Minutes of Board of Education Regular Meeting
Enid Public Schools
Independent School District #57, Garfield County, OK
Administrative Services Center Boardroom
500 S. Independence
Enid, OK 73701

Monday, July 21, 2025 - 6:00 PM

Invocation: Enid Ministerial Alliance

Attendance Taken at 6:00 PM.

Rev. Joe Blackwood:	Present
Mr. Matt Lohman:	Present
Mr. Randy Long:	Present
Mr. Chad Mantz:	Present
Mr. Matt Sampson:	Absent
Dr Kim Tinius:	Present
Mrs. Torry Turnbow:	Present

I. **Opening**
   A. Call to Order and Roll Call
      1. Flag Salute
   B. Recognitions:
      1. Recognize Tammy Duncan, Prairie View Library Media Specialist, for being named Air and Space Forces Association's Enid Chapter Teacher of the Year.

II. **Audience to Visitors**
None.

III. **Superintendent's Report:**
   A. Athletics Year-End Report
   B. Discussion then possible action to approve the Student/Parent Handbook Changes to the Enid High School, EPS Middle School, EPS Elementary School, and EPS Athletics Handbooks for the 2025-2026 school year.
   MOTION to approve the Student/Parent Handbook Changes to the Enid High School, EPS Middle School, EPS Elementary School, and EPS Athletics Handbooks for the 2025-2026 school year. This motion, made by Mr. Matt Lohman and seconded by Dr Kim Tinius, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea

Mrs. Torry Turnbow: Yea

C. Discussion then possible action to approve the updated intra-district transfers and capacity numbers for Enid Public Schools.
MOTION to approve the updated intra-district transfers and capacity numbers for Enid Public Schools. This motion, made by Mrs. Torry Turnbow and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood: Yea
Mr. Matt Lohman: Yea
Mr. Randy Long: Yea
Mr. Chad Mantz: Yea
Dr Kim Tinius: Yea
Mrs. Torry Turnbow: Yea

D. Back to School Dates and Information
E. EPS Personal Wireless Devices and Electronic Accounts Policy (FNG) Update
F. Discussion then possible action to approve the FY26 Personal Vacation Day Buy Back.
MOTION to approve the FY26 Personal Vacation Day Buy Back. This motion, made by Mr. Randy Long and seconded by Mr. Matt Lohman, Passed.

Rev. Joe Blackwood: Yea
Mr. Matt Lohman: Yea
Mr. Randy Long: Yea
Mr. Chad Mantz: Yea
Dr Kim Tinius: Yea
Mrs. Torry Turnbow: Yea

G. Discussion then possible action to approve the Enid Public Schools Board of Education Meeting Dates for 2026.
MOTION to approve the Enid Public Schools Board of Education Meeting Dates for 2026. This motion, made by Dr Kim Tinius and seconded by Mrs. Torry Turnbow, Passed.

Rev. Joe Blackwood: Yea
Mr. Matt Lohman: Yea
Mr. Randy Long: Yea
Mr. Chad Mantz: Yea
Dr Kim Tinius: Yea
Mrs. Torry Turnbow: Yea

H. Discussion then possible action to approve modifying and continuing the existing contract with Big Five for the use of Carver Elementary. Granting Randy Rader the authority to sign the updated contract prior to the August 18, 2025 board meeting.

MOTION to approve modifying and continuing the existing contract with Big Five for the use of Carver Elementary. Granting Randy Rader the authority to sign the updated contract prior to the August 18, 2025 board meeting. This motion, made by Mr. Matt Lohman and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

I. Eisenhower Update

J. Discussion and possible action to approve Enid Public Schools to participate in the Community Eligibility Provision, CEP, program through the United States Department of Agriculture, to provide free breakfast and lunch to all students enrolled in Enid Public Schools beginning August 2025 through May 2029 with the ability to reapply beyond 2029. This will end the need for families to complete the free and reduced lunch application immediately.
MOTION to approve Enid Public Schools to participate in the Community Eligibility Provision, CEP, program through the United States Department of Agriculture, to provide free breakfast and lunch to all students enrolled in Enid Public Schools beginning August 2025 through May 2029 with the ability to reapply beyond 2029. This will end the need for families to complete the free and reduced lunch application immediately. This motion, made by Mrs. Torry Turnbow and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

IV. **Regular Business**

A. Discussion then possible action to approve the following consent agenda items:
MOTION to approve the following consent agenda items:. This motion, made by Mrs. Torry Turnbow and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea

Dr Kim Tinius: Yea

Mrs. Torry Turnbow: Yea

1. Minutes of the Board of Education Special Meeting of June 30, 2025;
2. Fiscal Year 2025 Encumbrances:
   a. General Fund Encumbrances for FY 2025 $406,971.80 (P.O. #'s 2774 – 2787)
   b. General Fund Change Orders since 06/18/25 $(570,468.63) (P.O. #'s 1 - 2773)
   c. Building Fund Encumbrances for FY 2025 $39,359.00 (P.O. # 116)
   d. Building Fund Change Orders since 06/18/25 $(125.37) (P.O. #'s 1- 115)
   e. 2010 General Obligation Revenue Lease Payment Bond Fund Change Orders since 6/18/2025 $(159,823.34)
3. Fiscal Year 2026 Encumbrances:
   a. General Fund Encumbrances for FY 2026 $12,833,247.09 (P.O. #'s 1 – 851)
   b. Building Fund Encumbrances for FY 2026 $1,536,131.50 (P.O. #'s 1 - 11)
4. Declare various items as surplus property for sale or disposal;
5. Fund raising request and activity account budgets for Enid High School;
6. Ratification of the Memorandum of Understanding between Vance Air Force Base and Enid Public Schools for the annual transportation of students to Vance Airforce Base from two preselected campus outside of the Eisenhower, Emerson, and Enid High School existing transportation area;
7. Approve an addendum to extend the existing agreement with ESS, Education Management & Staffing Solution to coordinate substitute teachers for Enid Public Schools;
8. Cash Fund Appropriations for beginning of FY2024 balances in the following funds:
   a. Fund 25 – Municipal Tax Levy Fund
   b. Fund 31 – 2016 G.O. Building Bond Fund
   c. Fund 34 – Transportation Bond Fund
   d. Fund 35 – One to One & Security Bond Fund
   e. Fund 38 – 2010 Revenue-Lease Bond Payment Fund
   f. Fund 39 – 2016 Revenue-Lease Bond Payment Fund; and
   g. Fund 50 – Endowment Fund
9. Approval of new Administrative Regulation, DC-R3 Medical Examinations for Employees as recommended by OSSBA.

B. Discussion then possible action to approve the District Financial Report for June 2025.

MOTION to approve the District Financial Report for June 2025. This motion, made by Mr. Matt Lohman and seconded by Mrs. Torry Turnbow, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

C. Discussion and possible action to approve the installation of upgraded door entry card readers across the district ($114,444.66) and the purchase of wearable panic devices with 911 Cellular for all teachers ($146,045.00) using Fund 35 One to One & Security Bond Funds.
MOTION to approve the installation of upgraded door entry card readers across the district and the purchase of wearable panic devices with 911 Cellular for all teachers using Fund 35 One to One & Security Bond Funds. This motion, made by Mrs. Torry Turnbow and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

D. Discussion and possible action to approve Henson Construction as construction manager and consultant for current and future Enid Public Schools Construction projects. A fee schedule is set in the agreement.
MOTION to approve Henson Construction as construction manager and consultant for current and future Enid Public Schools Construction projects. A fee schedule is set in the agreement. This motion, made by Dr Kim Tinius and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

E. Discussion then possible action to approve eliminating all credit card user fees for credit card transactions with Enid Public Schools. Currently, fees are only charged for online transactions.
MOTION to approve eliminating all credit card user fees for credit card transactions with Enid Public Schools. Currently, fees are only charged for online transactions. This motion, made by Mrs. Torry Turnbow and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea

Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

V. **New Business: (Any business that has arisen that could not have been foreseen or known about at the time the regular agenda was posted.) 25 O.S. Section 311(A)(9).**
None.

VI. **Reports, Items of Information, Board Comments and/or Questions:**
A. Col. Jans's Comments:
This was Col. Jans first meeting as an Honorary Board Member. He thanked the board for having him and his wife at the board meeting.
B. Board Comments and/or Questions:
None.

VII. **Next Regular Meeting: August 18, 2025 at 6:00 p.m. in the Administrative Services Center boardroom, 500 S. Independence, Enid, OK.**

VIII. **Discussion then possible action to approve a proposed executive session to discuss the employment of those individuals and/or positions listed on the attached Exhibit "A" and Exhibit "B" [pursuant to 25 O.S. Section 307(B)(1)], negotiations concerning employees and/or representatives of employee groups [pursuant to 25 O.S. Section 307(B)(2)], and possible purchase or appraisal of real property [pursuant to 25 O.S. Section 307(B)(3)].**
Time left for Executive Session: 6:53 pm.
MOTION to approve a proposed executive session to discuss the employment of those individuals and/or positions listed on the attached Exhibit "A" and Exhibit "B" [pursuant to 25 O.S. Section 307(B)(1)], negotiations concerning employees and/or representatives of employee groups [pursuant to 25 O.S. Section 307(B)(2)], and possible purchase or appraisal of real property [pursuant to 25 O.S. Section 307(B)(3)]. This motion, made by Mr. Matt Lohman and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

IX. **Return from Executive Session**
Mr. Randy Long announced the return to open session at 7:13 pm. He stated all members were present in executive session except for Matt Sampson.

Also present in executive session were Dr. Dudley Darrow, Dr. Sam Robinson, Mr. Rader, Mrs. Jane Johnson and Mrs. Jennifer Patterson. The board discussed the employment of those individuals and/or positions listed on the attached Exhibit "A" and Exhibit "B" [pursuant to 25 O.S. Section 307(B)(1)], negotiations concerning employees and/or representatives of employee groups [pursuant to 25 O.S. Section 307(B)(2)], and possible purchase or appraisal of real property [pursuant to 25 O.S. Section 307(B)(3)].

X. **Discussion then possible action to approve those individuals and/or positions listed on the attached Exhibit "A" [pursuant to 25 O.S. Section 307(B)(1)].**

MOTION to approve those individuals and/or positions listed on the attached Exhibit "A" [pursuant to 25 O.S. Section 307(B)(1)]. This motion, made by Mr. Matt Lohman and seconded by Rev. Joe Blackwood, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

XI. **Discussion then possible action to approve adjunct instructor status, as allowed by the Oklahoma State Department of Education, for individuals listed on Exhibit "B" [pursuant to 25 O.S. Section 307(B)(1)].**

MOTION to approve adjunct instructor status, as allowed by the Oklahoma State Department of Education, for individuals listed on Exhibit "B" [pursuant to 25 O.S. Section 307(B)(1)]. This motion, made by Rev. Joe Blackwood and seconded by Mrs. Torry Turnbow, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

XII. **Notification of Reassignments, Retirements and/or Resignations as Approved by the Superintendent and listed on the attached Exhibit "A" [pursuant to 25 O.S. Section 307(B)(1).**

Notification only

XIII. **Discussion then possible action to approve the EPS Certified Negotiated Contract for 2025-2026.**

MOTION to approve the EPS Certified Negotiated Contract for 2025-2026. This motion, made by Dr Kim Tinius and seconded by Mr. Matt Lohman, Passed.

Rev. Joe Blackwood:	Yea

Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

XIV. **Discussion then possible action to approve the EPS Support Negotiated Contract for 2025-2026.**

MOTION to approve the EPS Support Negotiated Contract for 2025-2026. This motion, made by Rev. Joe Blackwood and seconded by Mrs. Torry Turnbow, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

XV. **Discussion then possible action to approve Certified Employee One-Time Supplemental Pay for FY26 of $350 for returning EPS Certified Employees who completed the FY25 school year to be paid in August or September and Support Employee One-Time Supplemental Pay for FY26 of $250 for returning EPS Support Employees who completed the FY25 school year to be paid in August or September. Certified and Support Employees must remain employed with EPS through May 16, 2026. Stipends will be prorated on hours worked. For example, a 4-hour employee is only eligible for one half of the stipend.**

MOTION to approve Certified Employee One-Time Supplemental Pay for FY26 of $350 for returning EPS Certified Employees who completed the FY25 school year to be paid in August or September and Support Employee One-Time Supplemental Pay for FY26 of $250 for returning EPS Support Employees who completed the FY25 school year to be paid in August or September. Certified and Support Employees must remain employed with EPS through May 16, 2026. Stipends will be prorated on hours worked. For example, a 4-hour employee is only eligible for one half of the stipend. This motion, made by Mr. Matt Lohman and seconded by Dr Kim Tinius, Passed.

Rev. Joe Blackwood:	Yea
Mr. Matt Lohman:	Yea
Mr. Randy Long:	Yea
Mr. Chad Mantz:	Yea
Dr Kim Tinius:	Yea
Mrs. Torry Turnbow:	Yea

XVI. **Adjournment**

President Mantz adjourned the meeting at 7:18 pm.

_____
Dr. Sam Robinson
Board Clerk

_____
Annie Blassingame
Assistant Minutes Clerk

_____
Chad Mantz
President, Board of Education

PLAINSMEN FOOTBALL

2025-2026 SCHEDULE

8/29 AT PONCA CITY	7:00p
9/5 VS LAWTON	7:00p
9/12 AT STILLWATER	7:00p
9/26 VS DEER CREEK	7:00p
10/3 AT MUSTANG (OK)	7:00p
10/10 VS NORMAN (OK)	7:00p
10/16 AT BIXBY	7:00p
10/24 AT EDMOND NORTH	7:00p
10/31 VS JENKS	7:00p
11/7 VS MOORE (OK)	7:00p

PACER AND PLAINSMEN CROSS COUNTRY

2025-2026 SCHEDULE

8-30	JV-V	ENID	8AM
9-5	JV-V	AT BETHANY	8:15 AM
9-20	V	AT HOLLAND HALL	TBA
9-20	JV	GREAT LAND RUN	6:30AM
9-26	V	AT OKLAHOMA STATE	9:30AM
9-27	JV	OBA (ENID)	TBA
10-2	JV-V	AT OBU	5:30PM
10-7	JV-V	TBD	TBA
10-14	JV-V	OK CONFERENCE CHAMPIONSHIP	TBA
10-23	JV	JV FALL FESTIVAL	6:30PM
10-25	V	OSSAA REGIONAL	9:00AM
11-1	V	OSSAA STATE	TBA

ENID PACER FAST PITCH SOFTBALL

2025-2026

7-31	NEWKIRK/HENNESSY	10:30/ 12:00/ 1:30
8-5-7	CHISHOLM TEAM CAMP	TBA
8-8	DEER CREEK FESTIVAL	TBA
8-11	EL RENO	JV 5:00 V 6:30
8-12	NORMAN NORTH*	JV 5:00 V6:30
8-14	DRUMMOND	V 5:00
8-15-16	HALL OF FAME FESTIVAL (4 GAMES)	TBA
8-18	PIEDMONT	JV6:00 V7:30
8-19	ALVA	V5:30 JV 7:00
8-21	PC NORTH* (NO JV)	V 5:00, 6:30
8-22-23	PONCA CITY FESTIVAL	TBA
8-25	EDMOND MEMORIAL*	JV5:30 V7:00
8-26	CRESCENT	JV5:00 V 6:30
8-28	EDMOND NORTH*	JV 5:30 V 7:00
9-2	WESTMOORE*	JV 5:30 V 7:00
9-4	CHOCTAW* - JV AT WESTMOORE FESTIVAL	V 6:30 JV TBA
9-5	JV AT WESTMOORE FESTIVAL DAY 2	TBA
9-9	EDMOND NORTH*	JV 5:30 V 7:00
9-11	NORMAN/ NOBLE FESTIVAL - JV DOVER FESTIVAL	TBA
9-12	JV AT DOVER FESTIVAL DAY 2	TBA
9-15	EDMOND MEMORIAL*	JV 5:30 V 7:00
9-16	LAWTON EISENHOWER*	V 5:00, 6:30
9-18	NORMAN NORTH*	JV 5:00 V 6:30
9-19	TONKAWA FESTIVAL	TBA
9-22	WESTMOORE*	JV 5:30 V 7:00
9-23	ALVA -PERRY	V 4:30, 6:00
9-25	PONCA CITY	JV 5:00 V 6:30
9-29	CHOCTAW	JV 5:00 V 6:30
9-30	EL RENO	JV 5:00 V 6:30
10-3	OK CHRISTIAN- ELGIN - STILLWATER	V 11:30, 1:00
TBA	REGIONAL TOURNAMENT	TBA
TBA	STATE TOURNAMENT	TBA

HOME AWAY

2025-2026

HIGH SCHOOL SCHEDULE

PACERS VOLLEYBALL

H A

PACERS

- ○ **Sand Springs Scrimmage (V)**
  7/19 @ TBD
- ● **Enid Scrimmage (9/JV/V)**
  7/23 @ 9:00 AM
- ● **Enid Area Scrimmage (9/JV/V)**
  7/31 @ 9:00 AM
- ● **Tri-Bville/SS (9/JV/V)**
  8/11 @ 10:00 AM
- ● **PC North (9/JV/V)**
  8/12 @ 4/5/6 PM
- ○ **Sand Springs Tourney**
  8/15 & 8/16 @ TBD
- ● **Piedmont (9/JV/V)**
  8/21 @ 4/5/6 PM
- ● **Enid Tourney (9)**
  8/25 @ 9:00 AM
- ○ **Chisholm (9/JV/V)**
  9/2 @ 4/5/6 PM
- ● **Putnam City Original (9/JV/V)**
  9/4 @ 4/5/6 PM
- ○ **Owasso Tourney (9)**
  9/8 @ TBD
- ○ **PC West 9/JV/V)**
  9/9 @ 4/5/6 PM
- ○ **Bishop Kelley Tournament (JV)**
  9/12 @ TBD
- ○ **Sand Springs Tournament (JV)**
  9/15 @ TBD
- ○ **Midwest City (9/JV/V)**
  9/16 @ 4/5/6 PM
- ○ **Stillwater Tourney (V)**
  9/19 & 9/20 @ TBD
- ● **OKC Storm (9/JV/V)**
  9/22 @ 4/5/6 PM
- ○ **Choctaw (9/JV/V)**
  9/23 @ 4/5/6 PM
- ● **Enid Tourney (V)**
  9/26 & 9/27 @ 9:00 AM
- ● **Ponca City (9/JV/V)**
  9/30 @ 4/5/6 PM
- ○ **Conference Tourney (V)**
  TBD
- ○ **Regionals (V)**
  TBD

2024-2025 Athletics and Activities Highlights

We are proud to recognize the outstanding achievements of our student-athletes and activity participants throughout the 2024-2025 academic year. Their dedication, hard work, and sportsmanship have led to numerous successes.

Fall Athletics

- **Cross Country:** Achieved **Championships** at the Enid Meet, Ponca Meet, and Conference. Six athletes qualified for **State**.
- **Fast Pitch Softball:** Honored with **Academic All-State** recognition and advanced to within one run of a State berth.
- **Volleyball:** Demonstrated an **increased winning percentage** with four players earning **All-Conference** honors.
- **Football:** Showed marked improvement in strength and conditioning, a testament to the coaching staff's diligent efforts.

Winter Athletics

- **Girls Wrestling:** Continued its tradition of excellence with a **State Qualifier**, marking one every year since the program's inception.
- **Boys Wrestling:** An Enid wrestler secured **3rd place** at the Mid-America Nationals.
- **Girls Basketball:** Completed a **10-win season** with three players named to the **All-District Team**.
- **Boys Basketball:** Achieved a **6-game winning streak**, including a notable victory against the #5 ranked team. One player earned **All-District** recognition.
- **Swimming:** Plainsmen Swimmers were **conference champions**. **13 State Qualifiers**

Spring Athletics

- **Girls Golf:** Secured **3rd place** at the Conference Tournament.
- **Boys Golf:** Finished **2nd place** at the Enid Tournament, with one athlete qualifying for **State**.
- **Girls Track:** All four relay teams qualified for **State**, and an Enid athlete earned **3rd place overall in High Jump**.
- **Boys Track:** Crowned **Champions** at the Putnam City Track Meet.
- **Girls Tennis:** Celebrated a **State Champion in 1 Singles**, an **All-State** honoree, two State Qualifiers, and a **Conference Championship**.

- **Boys Tennis:** Placed **4th at Conference** and received an **Academic Achievement Award**.
- **Baseball:** Concluded the season with a strong **25-15 record**, hosted a regional tournament, and saw two players earn **All-State** honors.
- **Slowpitch Softball:** Won the **Enid Tournament Championship** and secured **2nd place at Regionals**.
- **Girls Soccer:** Qualified for the **playoffs** and earned **2nd place** in the Enid Tournament.
- **Boys Soccer:** Successfully defeated Ponca City to retain the prestigious **Cherokee Strip Trophy**.

Spirit & Arts Programs

- **Cheer:** Contributed significantly to school spirit and events.
- **Pom:** Had two members achieve **All-State** recognition, placed **4th** in both Large Ensemble and Small Jazz categories, and celebrated eight **Academic All-State** honorees.
- **Vocal Music:** Received the **OSSAA State Sweepstakes Award** and the **OSSAA Academic Achievement Award**.
- **Band:** Demonstrated remarkable growth with an **enrollment increase of 40 students**.
- **Esports: State Champion**s in 2 events. 3rd place in the State in 2 others.

2025 - 2026 Proposal for Board Approval

Enid High School Handbook Changes

- Pg. 22 **Edgenuity Rules of Engagement** - Set standard operating procedures for Edgenuity enrollment. This includes wording on attendance and verification of work.

- Pg. 44 **Possession of Tobacco/Pouch like Paraphernalia** - Added wording that prohibits oral nicotine products or "look alike" products.

- Pg. 38 **May Fete** - Added already existing Rules and Regulation Governing May Fete Elections

- Pg. 11 **NOC Concurrent Enrollment** - Clarified NOC Concurrent Enrollment for Holistic Approach. Clarification on Associates Degree Pathway and expectations.

- Starting on Pg. 11 **AP Pathway** - Pathways were created for the AP Program. These pathways determine if the student is focused on academic gains or taking the test as a way for college credit. New weights added depending on the pathway chosen.

    - Students will be required to pay a $15 processing fee per AP exam
    - If financial assistance is needed, please see the building principal and arrangements will be made

- Pg. 29 **Update Truancy Wording** - Added language that truancy may lead to loss of privileges such as prom.

- **Course Descriptions**
  Updated Ag Course Descriptions.
  Added English 10: AP Seminar Course
  Updated available honors courses to Pre-AP courses.

- Pg. 31 **Updated Late Work Policy for Honor and AP Students** - All work will be handed in before their Common Summative Assessment.

- Pg. 79 **Personal Wireless Devices and Electronic Accounts** - Added cell phone policy

- Pg. 35 **Athletic Schedule** - Added policy regarding students dropping sport/ procedure for students to be assigned Edgenuity class replacement.

- Pg. 40 **Restroom Policy** - Added wording on proper restroom behavior. Additional wording added about one student per stall. If two or more students are found in the same stall, they will be escorted to the office. Disciplinary action may take place.

Combined the EHS Handbook and EHS Registration Guide into one document with Table of Contents.

2025 – 2026 Proposal for Board Approval

Middle School Student Handbook Changes:

- **Intro page** – Removed Dr. Angela Rhoades. Updated Waller & Emerson head and assistant principal names.
- **Opening letter from Dr. Darrow** – Updated header and date.
- **School Hours page** – Updated beginning and dismissal times (8:00am changed to 8:15am and 3:00pm changed to 3:15pm).
- **Pg. 15** – added PERSONAL WIRELESS DEVICES AND ELECTRONIC ACCOUNTS Policy (FNG)
- **Pg. 20** – updated dates for each Nine Weeks of school section
- **Pg. 39** – added Personal Wireless Devices and Electronic Accounts Policy (FNG)

Combined the Middle School Handbook and Middle School Registration Guide into one document with Table of Contents.

2025 - 2026 Proposal for Board Approval

Elementary Handbook Changes

- **Entire Document -** Where Policy was used, made sure it was actually the district policy. If it was not, changed the word policy to procedure.

- **Truancy -** Updated to what our current procedure was. Old version was more of a definition of truancy. New version states the compulsory attendance law and states offenders could be referred to the District Attorney's office.

- **Indian Education/Title VII -** Updated with current language

- **Interpreters -** Updated to what our current practice is. Took out the need to fill out a form in order to request an interpreter.

- **Parent's Bill of Rights -** Added this. Now matches HS handbook.

- **Parties -** Due to the fact that we no longer do a student directory, we stated that invitations to at home parties can be passed out at school as long as the entire class is invited.

- **Student Address Change -** Added the link to the address change form.

- **Volunteers -** Added the link to the volunteer form

- **Personal Wireless Devices and Electronic Accounts -** Added Board Policy

2025 – 2026 Proposal for Board Approval

Athletics Student/Parent Handbook Changes

- Added in 2024-25 SY approved changes
- Pg. 8 – Removal of Insurance Waiver
- Pg. 27 – Added Rank One Electronic Forms (Appendix 9)
- Pg. 29 – Updated Title IX/504/ADA Compliance Coordinator to Melissa Graddick
- Updated all forms

ENID HIGH	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
9th Grade	700	618	**82**	
10th Grade	650	560	**90**	
11th Grade	650	506	**144**	
12th Grade	650	511	**139**	

EMERSON MS	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
6th Grade	150	94	**44**	10
7th Grade	150	107	**33**	10
8th Grade	150	116	**24**	10

LONGFELLOW MS	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
6th Grade	200	210	**0**	0
7th Grade	200	184	**6**	10
8th Grade	200	166	**24**	10

WALLER MS	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
6th Grade	275	264	**0**	10
7th Grade	275	231	**34**	10
8th Grade	275	252	**13**	10

ADAMS	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Kindergarten	36	25	**7**	4
1st Grade	36	33	**0**	3
2nd Grade	36	36	**0**	0
3rd Grade	36	50	**0**	0
4th Grade	36	46	**0**	0
5th Grade	36	48	**0**	0

COOLIDGE	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	22	**0**	0
Kindergarten	54	51	**0**	3
1st Grade	54	48	**0**	6
2nd Grade	54	62	**0**	0
3rd Grade	54	67	**0**	0
4th Grade	54	70	**0**	0

5th Grade	54	62	**0**	0

EISENHOWER	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	11	**5**	2
Kindergarten	18	18	**0**	0
1st Grade	18	20	**0**	0
2nd Grade	18	12	**4**	2
3rd Grade	18	20	**0**	0
4th Grade	18	14	**2**	2
5th Grade	18	17	**0**	1

GARFIELD	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	36	19	**9**	8
Kindergarten	72	48	**16**	8
1st Grade	72	77	**0**	0
2nd Grade	72	96	**0**	0
3rd Grade	72	84	**0**	0
4th Grade	72	95	**0**	0
5th Grade	72	73	**0**	0

GLENWOOD	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	36	33	**0**	3
Kindergarten	54	60	**0**	0
1st Grade	54	59	**0**	0
2nd Grade	36	50	**0**	0
3rd Grade	54	48	**0**	6
4th Grade	54	48	**0**	6
5th Grade	54	59	**0**	0

HAYES	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	22	**0**	0
Kindergarten	36	34	**0**	2
1st Grade	36	44	**0**	0
2nd Grade	36	33	**0**	3
3rd Grade	36	32	**0**	4
4th Grade	36	50	**0**	0

5th Grade	36	37	**0**	0

HOOVER	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	22	**0**	0
Kindergarten	36	37	**0**	0
1st Grade	36	29	**3**	4
2nd Grade	36	32	**0**	4
3rd Grade	36	40	**0**	0
4th Grade	36	45	**0**	0
5th Grade	36	38	**0**	0

MCKINLEY	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	16	**0**	2
Kindergarten	18	21	**0**	0
1st Grade	18	23	**0**	0
2nd Grade	36	35	**0**	1
3rd Grade	36	35	**0**	1
4th Grade	36	30	**1**	4
5th Grade	36	38	**0**	0

MONROE	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	21	**0**	0
Kindergarten	36	28	**4**	4
1st Grade	36	34	**0**	2
2nd Grade	36	45	**0**	0
3rd Grade	36	45	**0**	0
4th Grade	36	34	**0**	2
5th Grade	36	49	**0**	0

PRAIRIE VIEW	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	54	51	**0**	3
Kindergarten	72	63	**3**	6
1st Grade	54	52	**0**	2
2nd Grade	54	63	**0**	0
3rd Grade	54	66	**0**	0
4th Grade	54	64	**0**	0

5th Grade	54	53	**0**	1

TAFT	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
Pre-K	18	22	**0**	0
Kindergarten	36	33	**0**	3
1st Grade	36	38	**0**	0
2nd Grade	36	45	**0**	0
3rd Grade	36	44	**0**	0
4th Grade	36	32	**0**	4
5th Grade	36	45	**0**	0

EARLY CHILDHOOD	CAPACITY	ENROLLMENT	AVAILABILITY-Out of District	AVAILABILITY In-District
CARVER ECC	0	0	**0**	0
FOWLER ECC	36	25	**7**	4
COMMONS CLASSROOM	0	0	**0**	0

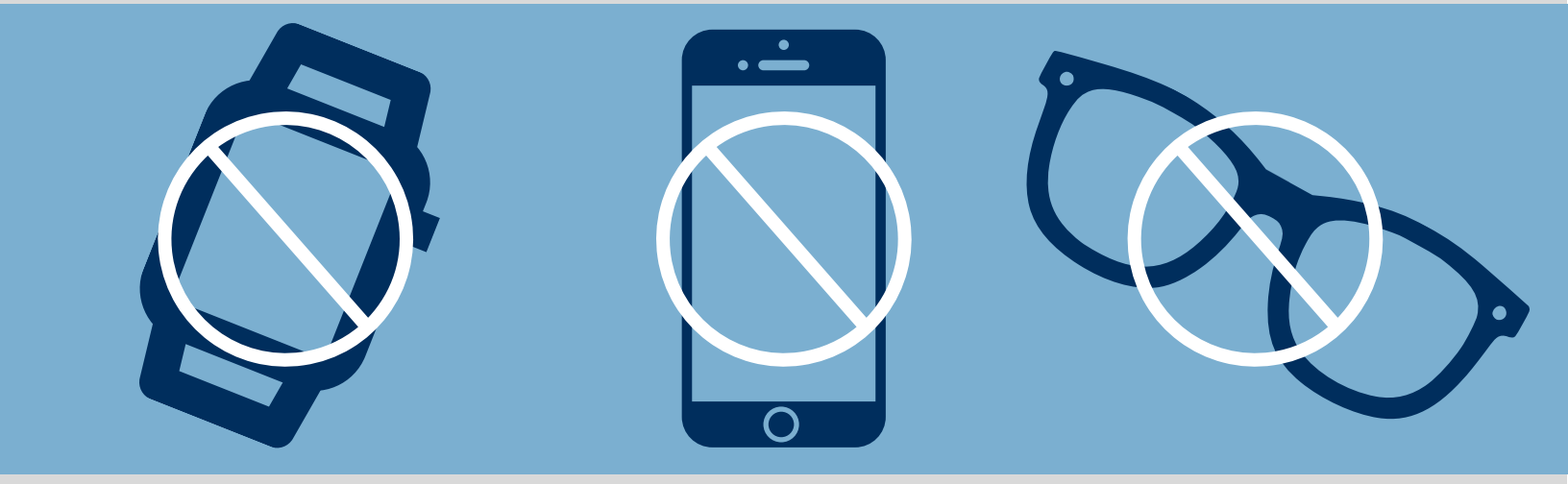
2025 - 2026 Back to School Dates and Information

- Monday, July 28th — Secretary Training
- July 30, 31, & Aug. 4th — New Teacher Orientation
- Tuesday, Aug. 5th — All full-time staff members report back
- Aug 5-12th — Days to allow for Site Professional Development led by building principals + 16 hours for teachers to work in classrooms
- Wednesday, Aug. 6th — 10th grade schedule pick up + new Chromebook check out 10:30am-2:30pm
- Thursday, Aug. 7th — 11th grade schedule pick up + new Chromebook check out 10:30am-2:30pm
- Thursday, Aug. 7th — 6th grade schedule pick up + new Chromebook check out 9:00-11:00am
7th/8th grade schedule pick up + new Chromebook check out 1:00-3:00pm
- Friday, Aug. 8th — AM – District Convocation at EHS, speaker is Coach Barry Hinson
PM – Professional Development at site level
- Monday, Aug. 11th — Meet the teacher (elementary 5:30pm-7pm and secondary 6:30pm-8:00pm)
- Monday, Aug. 11th — 9th grade freshman orientation, schedule pick up + new Chromebook check out
- Tuesday, Aug. 12th — 12th grade schedule pick up + new Chromebook check out 10:30am-2:30pm
- Tuesday, Aug. 12th — Final work day for staff members
- Wednesday, Aug. 13th — First day of school!

NOTICE

Per Oklahoma State Law 70 O.S. §1-126
for the 2025-2026 School Year

No phones, smart watches, smart glasses
(any device non-school issued)
will be accessed from First Bell to Last Bell.



ENID PUBLIC SCHOOLS

Board Adopted Policy can be found at
www.enidpublicschools.org/electronicspolicy

EPS Personal Day Buy Back FY2025

If an employee only takes one day of leave of any kind (sick or personal) during the semester then the district at the end of the first semester will "buy back" 2 personal days. If an employee only uses one day of any kind of leave (sick or personal) in the second semester at the end of the semester the district will "buy back" any remaining unused personal days not to exceed two. The buyback rate is $250 for certified employees and $150 for support employees.

The board also approved purchasing any unused vacation days (up to 4) for all Twelve month employees that only use two days of sick or personal leave during the entire school year (July 1, 2024 to June 30, 2025). This will be bought back at the employee's daily rate with a maximum rate of $250. This will be paid in June.

January Numbers

Certified Employees			Support Employees	
Total Eligible Employees	543		Total Eligible Employees	455
Certified Receiving Payment	111		Support Receiving Payment	59
Qualified and Opted Out	39		Qualified and Opted Out	33
Percent Qualified	28%		Percent Qualified	20%
Total Certified Cost	$55,000.00		Total Support Cost	$16,950.00

$71,950.00

May Numbers

Certified Employees			Support Employees	
Total Eligible Employees	543		Total Eligible Employees	455
Certified Receiving Payment	91		Support Receiving Payment	55
Qualified and Opted Out	35		Qualified and Opted Out	18
Percent Qualified	23%		Percent Qualified	16%
Total Certified Cost	$38,750.00		Total Support Cost	$14,925.00

$53,675.00

July Numbers

Certified Employees			Support Employees	
Total Eligible Employees	19		Total Eligible Employees	101
Certified Receiving Payment	6		Support Receiving Payment	9
Qualified and Opted Out	1		Qualified and Opted Out	5
Percent Qualified	37%		Percent Qualified	14%
Total Certified Cost	$6,000.00		Total Support Cost	$5,909.20

$11,909.20

$137,534.20

7-21-25
D.D.

Unused Personal Day Buy Back Program for 2025 - 2026 School Year

All **Non** 12 month EPS Employees are eligible to participate

Semester 1 Criteria for January or February Payment

No more than **one** Sick or Personal Leave day can be used from Contract Start Date to December 20, 2025

First day of employment on or before August 14, 2025 (late hires)

Buy Back Value January

Certified Base daily rate for a maximum of two days paid in Jan. or Feb. Max daily buyback $350 (Prorated Rate Based on Contract Hours)

Support Base daily rate for a maximum of two days paid in Jan. or Feb. Max daily buyback $150 (Prorated Rate Based on Contract Hours)

Semester 2 Criteria for May or June Payment

No more than **one** Sick or Personal Leave day can be used from January 6, 2026 to Contract End Date.

First day of employment on or before January 7, 2026

Buy Back Value May

Certified Base daily rate for a maximum of two days paid in May or June Max daily buyback $350 (Prorated Rate Based on Contract Hours)

Support Base daily rate for a maximum of two days paid in May or June Max daily buyback $150 (Prorated Rate Based on Contract Hours)

No exceptions will be granted for any reason. *This will be evaluated on a yearly basis with no guarantee of being available in subsequent years beyond 2025-2026 school year.*
Administrator daily rate will be calculated at the equivalent teacher certified daily rate.

Unused Vacation Day Buy Back Program for 2025 - 2026 School Year

All 12 month EPS Employees are eligible to participate

Criteria

1. No more than two Sick or Personal Leave days can be used in the contract year (2 Days in Fiscal Year)

2. Half days will count as whole days

3. 1 to 4 Days of Unused Vacation as of June 23, 2026 (Any additional Leave used after June 23 could result in forfeiture of Buy Back)

Buy Back Value for June

1 to 4 days at employees daily rate of pay not to exceed $350 per day for Certified and $150 per day for Support

No exceptions will be granted for any reason. *This will be evaluated on a yearly basis with no guarantee of being available in subsequent years beyond 2025-2026 school year.*
Administrator daily rate will be calculated at the equivalent teacher certified daily rate.

Sam Robinson, Ed.D.
CHIEF FINANCIAL OFFICER
500 S. Independence, Enid, OK 73701 I Phone 580.366.7000 I Fax 580.366.8900
www.enidpublicschools.org I sjrobinson@enidk12.org

Filing
July 22, 2025

Lorie Legere
County Clerk
Garfield County Courthouse
Enid, Oklahoma 73701

Dear Ms. Legere,

The Enid Board of Education set the following Schedule of meeting dates for the 2026 calendar year at their regular meeting on July 21, 2025.

All meetings will be in the Board Room of the Administrative Services Center located at 500 South Independence, Enid, Oklahoma 73701 and will begin at 6:00 p.m. unless otherwise noted. Please consider this letter to be our official notice to comply with provisions set forth in the Open Meeting Act of 1977, Title 25 § 311.

Schedule of Meetings 2026

1. 20 January 2026**
2. 16 February 2026
3. 9 March 2026*
4. 20 April 2026
5. 18 May 2026
6. 15 June 2026
7. 20 July 2026
8. 17 August 2026
9. 21 September 2026
10. 12 October 2026*
11. 16 November 2026
12. 14 December 2026*

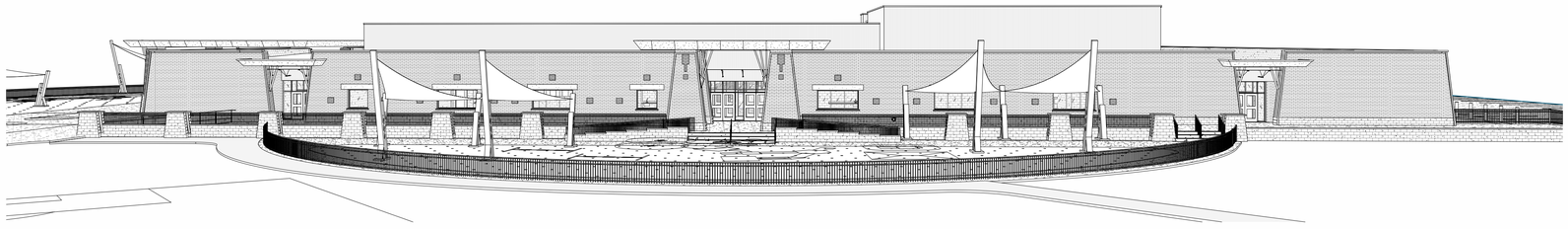
Should there be any changes in the above schedule of meetings I will provide written notification.

Sincerely,

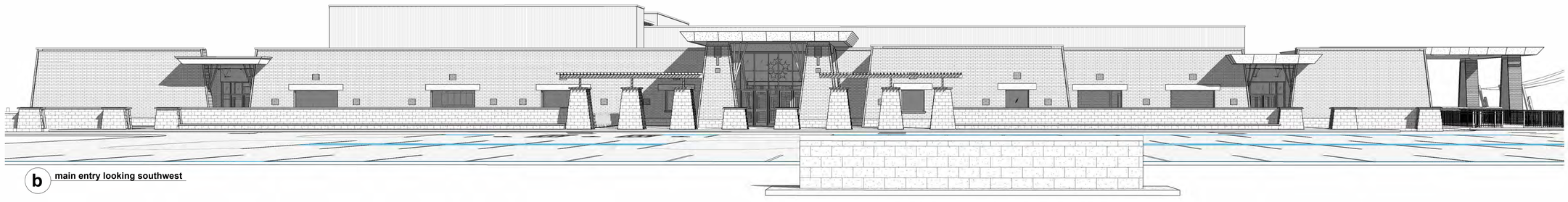
Sam Robinson, Ed.D.
CFO, Enid Public Schools
Clerk for the Board of Education

*Not a Third Monday
** Tuesday Meeting

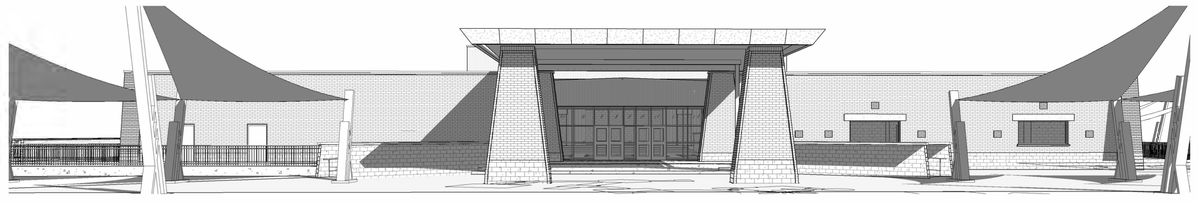
EISENHOWER ELEMENTARY



a playground looking northwest



b main entry looking southwest



c cafetorium looking northwest

Sheet Index	
Sheet Number	Sheet Name
cover sheet	
cs00	cover sheet
Life Safety	
ls1.0	code review
ls1.1	life safety plan
civil	
c1	Civil
Architectural	
asp1.0	architectural site phasing plan
asp1.1	architectural site plan - demo
asp1.2	architecturall site plan - new
a1.0	roof plan
a1.1	context floor plan
a1.2	enlarged floor plan area a
a1.3	enlarged floor plan area b
a1.4	enlarged floor plan area c
a2.0	context ceiling plan
a2.1	enlarged ceiling plan "a"
a2.2	enlarged ceiling plan "b"
a2.3	enlarged ceiling plan "c"
a2.6	ceiling details
a3.0	exterior elevations
a4.0	building sections
a4.1	building sections
a4.2	building sections
a4.3	building sections
a4.4	interior wall details
a5.0	exterior wall details
a5.1	plan details
a5.2	door & window schedule
a6.0	interior elevations
a6.1	interior elevations
a6.2	interior elevations
a6.3	classroom elevations
a6.4	enlarged restrooms
a6.5	enlarged restrooms
a7.0	media center millwork
a8.0	context finish plans
a8.1	enlarged finish plan north
a8.2	enlarged finish plan south
a8.3	window treatment schedule
a8.4	signage
a9.0	finish schedule
a9.1	floor finish plan
a9.2	enlarged floor finish plan "a"
a9.3	enlarged floor finish plan "b"
a9.4	enlarged floor finish plan "c"
a9.5	enlarged wall finish plan "a"
a9.6	enlarged wall finish plan "b"
a9.7	enlarged wall finish plan "c"

Sheet Index	
Sheet Number	Sheet Name
Playground	
a10.0	playground equipment plans
Kitchen	
k1.0	kitchen layout
structural	
s2.0	overall foundation plan
s2.0.1	foundation plan - area a
s2.0.2	foundation plan - area b
s2.0.3	foundation plan - area c
s2.1	overall roof framing plan (low)
s2.1.1	roof framing plan (low) - area a
s2.1.2	roof framing plan (low) - area b
s2.1.3	roof framing plan (low) - area c
s2.2	overall roof framing plan (mid)
s2.2.1	roof framing plan (high) - area a
s2.2.2	roof framing plan (high) - area b
s2.2.3	roof framing plan (high) - area c
mep	
mp0.1	mechanical/plumbing coversheet
mp1.1	mechanical/plumbing schedules
m1.1	hvac plan area 'a'
m1.2	hvac plan area 'b'
m1.3	hvac plan area 'c'
m2.1	mechaniical overall floorplan
p1.1	waste & vent plan area 'a'
p1.2	waste & vent plan area 'b'
p1.3	waste & vent plan area 'c'
p2.1	plumbing plan area 'a'
p2.2	plumbing plan area 'b'
p2.3	plumbing plan area 'c'
e1.1	electrical schedules
e1.2	electrical details
e2.0	electrical site plan
e2.1	floorplan - power area 'a'
e2.2	floorplan - power area 'b'
e2.3	floorplan - power area 'c'

date issued:	Issue Date				

EPS Eisenhower Expansion P.O. #2025-21-103

1301 w fox drive, enid, oklahoma 73703

CORBIN ◆ MERZ ◆ HANEY
ARCHITECTURE INTERIOR DESIGN
302 NORTH INDEPENDENCE ENID, OK 73701 WWW.CORBINMERZHANEY.COM PH:(580)233-2362

This document is preliminary in nature and is not a final, signed and sealed document

cs00

LIFE SAFETY AND FIRE PROTECTION CODE NARRATIVE
NEW BUILDING CONSTRUCTION

GENERAL PROJECT INFORMATION

Project Name	**Eisenhower Elementary School**
Project Location	**Enid, Oklahoma Vance Airforce Base**
Building Owner	**Enid Public Schools**
Estimated Project Cost	
Authority Having Jurisdiction	**City of Enid**

Project Description: The project consists of the new construction using masonry exterior walls, single ply roof, with steel structure and concrete slabs. This project has a poured in place concrete FEMA rated storm shelter.

APPLICABLE DESIGN CRITERIA (APPLICABLE CODES ARE CHECKED)

	Name	Edition
State Code Adoption		
X	International Building Code (IBC)	2018
X	International Existing Building Code (IEBC)	2018
X	International Fire Code (IFC)	2018
X	International Energy Conservation Code	2006
X	International Fuel Gas Code (IFGC)	2018
X	International Mechanical Code (IMC)	2018
X	International Plumbing Code (IPC)	2018
X	National Electric Code (NEC)	2023
Additional Codes		
X	NFPA 101 Life Safety Code Handbook	2023
X	2010 ADA Standards for Accessible Design	2010

Fire Marshal Directives

BUILDING OCCUPANCY, CONSTRUCTION AND SEPARATION

USE AND OCCUPANCY CLASSIFICATION (IBC CHAPTER 3)

Building Name	IBC Classification	NFPA 101 Classification
Eisenhower Elementary School	**E**	**Educational**

SPECIAL REQUIREMENTS BASED ON USE AND OCCUPANCY (IBC CHAPTER 4)

Section 410.3 Platform Construction
Section 423 Storm Shelters
Section 424 Children's Play Structures

GENERAL BUILDING HEIGHTS AND AREA (IBC CHAPTER 5)

ALLOWABLE BUILDING HEIGHTS			**AS DESIGNED BUILDING HEIGHTS**	
Height	**75 feet**		Height:	**31 feet**
Stories	**3 stories**		Stories:	**1 story**
ALLOWABLE BUILDING AREA			**AS DESIGNED BUILDING AREA**	
Aa=(At + (NS x If)) =		**58,000 sf**	Area:	**62,010 sf**
Frontage Increase:		**Yes**		
If = ((F/P) - .25) x W/30 =		**65,250**		

REQUIRED SEPARATION OF OCCUPANCIES (IBC SECTION 508)

No seperation is required, 303.1.3

TYPES OF CONSTRUCTION (IBC CHAPTER 6)

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (IBC, TABLE 601)

Building Element	Hourly Rating Required
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	see table below
Interior Non-Bearing Walls	0
Floor Construction and Secondary Members	0
Roof Construction and Secondary Members	0

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (IBC TABLE 602)

Construction Type:	**2B**	Sprinkler System:	**S**	Occupancy Group:	**E**

Fire Separation Distance = X (Feet)	Fire Resistance Rating
X < 5	1
5 <= X < 10	1
10 <= X < 30	0
X >= 30	0

FIRE AND SMOKE PROTECTION FEATURES (IBC CHAPTER 7)

MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION (IBC TABLE 705.8)

Fire Separation Distance (Feet)	Degree of Opening Protection	Allowable Area
0 to less than 3	**Unprotected, Not Sprinklered**	**not permitted**
3 to less than 5		**15%**
5 to less than 10		**25%**
10 to less than 15		**45%**
15 to less than 20		**75%**
20 to less than 25		**no limit**
25 to less than 30		**no limit**
30 or greater		**no limit**

FIRE WALL FIRE-RESISTANCE RATING (IBC TABLE 706.4)

Occupancy Group	Fire-Resistance Rating (Hours)	Construction Notes
E	**2**	**No fire walls required**

FIRE-RESISTANCE RATING REQUIREMENTS FOR FIRE BARRIER ASSEMBLES OR HORIZONTAL ASSEMBLIES BETWEEN FIRE AREAS (IBC TABLE 707.3.10)

Occupancy Group	Fire-Resistance Rating (Hours)	Construction Notes
E	**2**	**No fire barriers required**

SHAFT ENCLOSURES (IBC SECTION 713; NFPA 101 8.6.5)

Occupancy Group	Fire-Resistance Rating (Hours)	Construction Notes
E	**1**	**No shaft enclosures required**

OCCUPANCY LOAD, MEANS OF EGRESS, AND PASSIVE FIRE PROTECTION FEATURES

INTERIOR FINISHES (IBC CHAPTER 8)

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (IBC SECTION 803, TABLE 803.13)

Occupancy Group:	E	Sprinkler System:	S		
Exit stairways, ramps and exit passageways		Corridors and exit access enclosures		Rooms and enclosed spaces	
Class:	B	Class:	C	Class:	C

INTERIOR FLOOR FINISH REQUIREMENTS (IBC SECTION 804)

Interior Floor Finish and Floor Covering Requirements	**Classification**	**Testing Standard**
Minimum Critical Radiant Flux:	**II**	**NFPA 253**

DECORATIVE MATERIALS AND TRIM

Combustible Decorative Materials:	Max. percentage of wall/ceiling area: 10%	Percentage used: less than 5%

FIRE PROTECTION SYSTEMS (IBC CHAPTER 9)

AUTOMATIC SPRINKLER SYSTEMS (IBC SECTION 903)

Occupancy Group:	E	Fire Area (square feet):	62,010 sf	Occupant Load:	59
Status:	Required				
Basis:	Per IBC 903.2.3				

Remarks:

PORTABLE FIRE EXTINGUISHERS (IBC SECTION 906)

FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS (IBC SECTION 906, TABLE 906.3(1))

Fire Hazard Class:	A	Occupancy Hazard Class:	Light	Building Area:	62,010 sf
		Table 906.3 (1)		Extinguishers Provided:	17
Min. Rated Single Extinguisher		**2-A**			
Maximum Floor Area Per Unit of A		**3,000 sf**			
Maximum Floor Area for Extinguisher		**11,250 sf**			
Maximum Travel Distance to Extinguisher		**75 Feet**			

FIRE ALARM AND DETECTION SYSTEMS (IBC SECTION 907)

Occupancy Group:	E	Occupancy Load:	59	
Fire Alarm System		Manual		**Required**
Voice/Alarm Communications				**Required**
Smoke Detection System		Automatic		**Required**
Occupancy Notification System		Automatic		**Required**

MEANS OF EGRESS (IBC CHAPTER 10)

OCCUPANT LOAD CALCULATIONS (IBC TABLE 1004.1.1)

OCCUPANCY SCHEDULE

Name	no.	Function of Space	Occupancy Area	Table 1004.1.2 - Maximum Floor Allowances			
			Room Area (sf)	S.F. Per Occupant	Area Type	Net Room Area (sf)	Occupancy Load
reception	2	business	714	150	gross	714	4.76
work	3	business	146	150	gross	146	0.97
conference	4	business	228	150	gross	228	1.52
office	5	business	148	150	gross	148	0.99
office	6	business	151	150	gross	151	1.01
nurse	7	business	222	150	gross	222	1.48
principal	10	business	228	150	gross	228	1.52
closet	10a	storage	15	300	gross	15	0.05
5th grade	12	classroom	852	20	net	724	36.21
5th grade sped	13	classroom	670	20	net	570	28.48
mep/riser rm	15	storage	261	300	gross	261	0.87
Office	17	business	55	150	gross	55	0.37
pantry	19	storage	161	300	gross	161	0.54
kitchen	21	kitchen	639	200	gross	639	3.20
serving	22	kitchen	301	200	gross	301	1.51
cafetorium	24	Assembly (unconcentrated tables	3322	15	net	3322	221.47
flex	25	classroom	352	20	net	299	14.96
4th grade - sped	26	classroom	850	20	net	723	36.13
4th grade	27	classroom	850	20	net	723	36.13
4th grade	29	classroom	846	20	net	719	35.96
3rd grade - sped	30	classroom	847	20	net	720	36.00
3rd grade	31	classroom	847	20	net	720	36.00
3rd grade	32	classroom	854	20	net	726	36.30
pre-k	34	classroom	1005	20	net	854	42.71
pre-k	35	classroom	1007	20	net	856	42.80
pre-k sped	36	classroom	907	20	net	771	38.55
w/d	37	storage	83	300	gross	83	0.28
mep	41	storage	301	300	gross	301	1.00
kindergarten sped	43	classroom	1034	20	net	879	43.95
kindergarten	44	classroom	1036	20	net	881	44.03
kindergarten	45	classroom	1036	20	net	881	44.03
1st grade	46	classroom	871	20	net	740	37.02
1st grade	47	classroom	872	20	net	741	37.06
1st grade - sped	48	classroom	872	20	net	741	37.06
2nd grade - sped	49	classroom	870	20	net	740	36.98
flex room	51	classroom	480	20	net	408	20.40
2nd grade	56	classroom	856	20	net	728	36.38
2nd grade	57	classroom	857	20	net	728	36.42
5th grade - sped	58	classroom	865	20	net	735	36.76
gym (storm shelter)	59	Assembly (unconcentrated tables	6290	15	net	6290	419.33
office	63	business	54	150	gross	54	0.36
gym storage	64	storage	214	300	gross	214	0.71
office	65	business	54	150	gross	54	0.36
library stor.	66	storage	128	300	gross	128	0.43
media center	68	library	1762	100	gross	1762	17.62
STEAM lab	69	classroom	684	20	net	684	34.20
records	71	storage	175	300	gross	175	0.58
music stor.	72	storage	127	300	gross	127	0.42
music	73	classroom	1384	20	net	1176	58.82
mep/elect.	74	storage	374	300	gross	374	1.25
platform	81	platform	1255	15	net	1067	71.12
teachers work	82	business	360	150	gross	360	2.40
storage	84	storage	361	300	gross	361	1.20
						TOTAL BUILDING OCCUPANT LOAD	1681
						TOTAL STORM SHELTER OCCUPANT LOAD (classrooms & offices)	829

EGRESS WIDTH (IBC, SECTION 1005)

Occupancy Group:	E	Occupancy Load:	1681
Component		egress capacity factor	minimum total egress width (inches)
Stairs		.3 inches/ occupant	**504.2**
Other components		.2 inches /occupant	**336.1**
MINIMUM NUMBER OF EXITS (IBC, SECTION 1006)		4	

EXIT ACCESS TRAVEL DISTANCE

Component	**Maximum Distance**	**Source**	**Provided**
Common Path of Travel	75 feet	IBC 1006.2.1	**62'-4"**
Dead End Corridors	20 feet	IBC 1020.4	**none**
Travel to Exit Access	250 feet	IBC 1017.2	**115'-11"**

CORRIDORS (IBC, SECTION 1020)

Fire Resistance Rating:	**0**
Remarks	table 1020.1 type E with sprinkler system installed

ACCESSIBILITY FEATURES

ACCESSIBILITY (IBC CHAPTER 11)

ACCESSIBLE PARKING SPACES (IBC TABLE 1106.1)

Total Spaces Provided:	**110**	Minimum Accessible Spaces:	**5**	Total Accessible Provided:	**5**	

ROOF ASSEMBLY

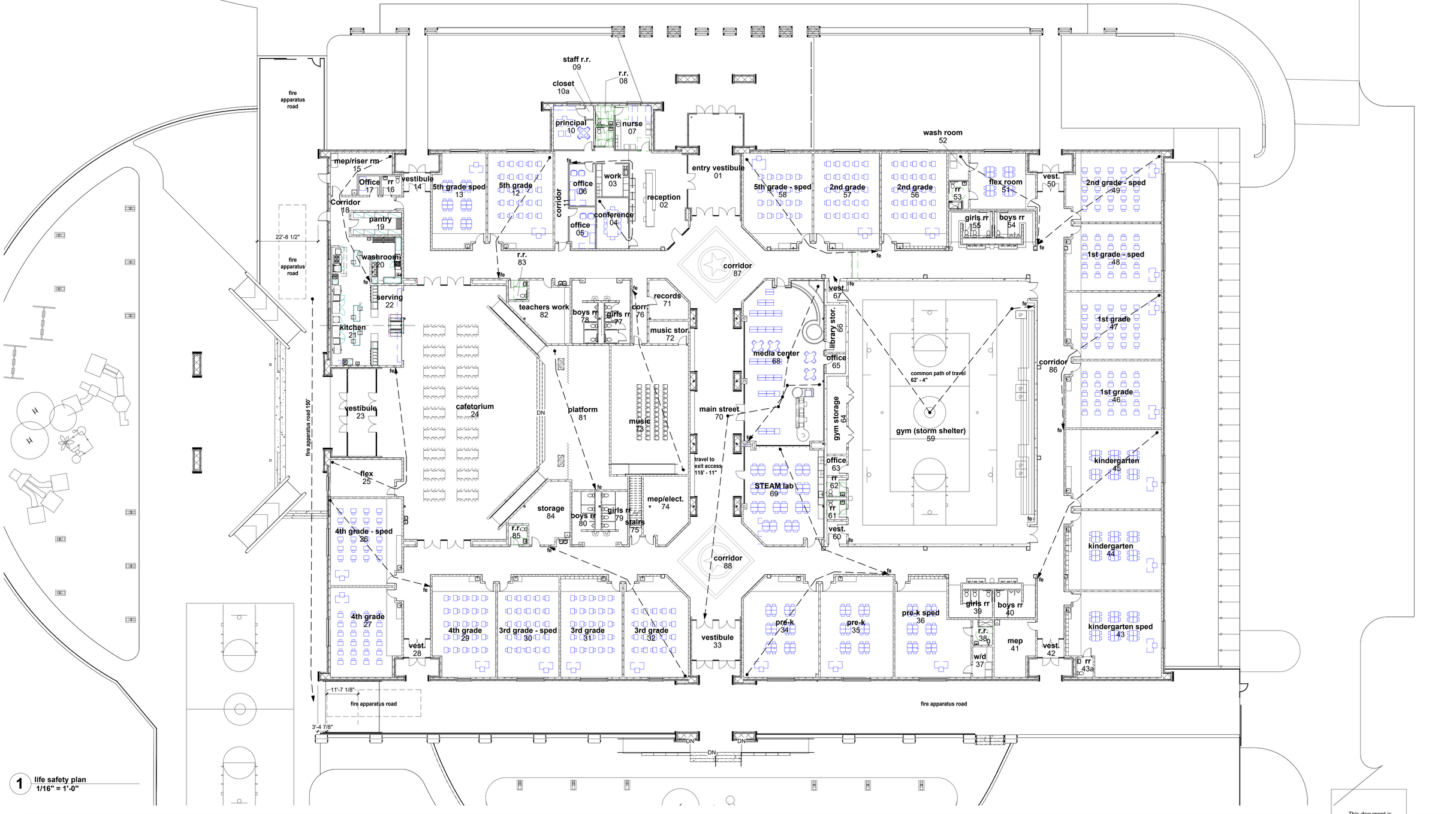
Description of Roof Assembly: 60 mil single ply PVC roof system over r-30 rated rigid insulation with hail resistant cover board on long span bar joists and standard bar joists with corrugated galvanized roof deck

PLUMBING SYSTEM FEATURES

PLUMBING SYSTEMS (IBC CHAPTER 29)

MINIMUM NUMBER OF PLUMBING FIXTURES

Occupancy Group:	E	Occupancy Load	59			
	Water Closets		Lavatories		Bathtubs or Showers	Drinking Fountains	Other
	Male	Female	Male	Female			
	1 per 50		1 per 50		-	1 per 1,000	1 service sink
Total Minimum	34		34		-	2.0	1 service sink
Total Provided	40		34		2	9	3 service sinks



1 life safety plan
1/16" = 1'-0"

date issued:	Issue Date				

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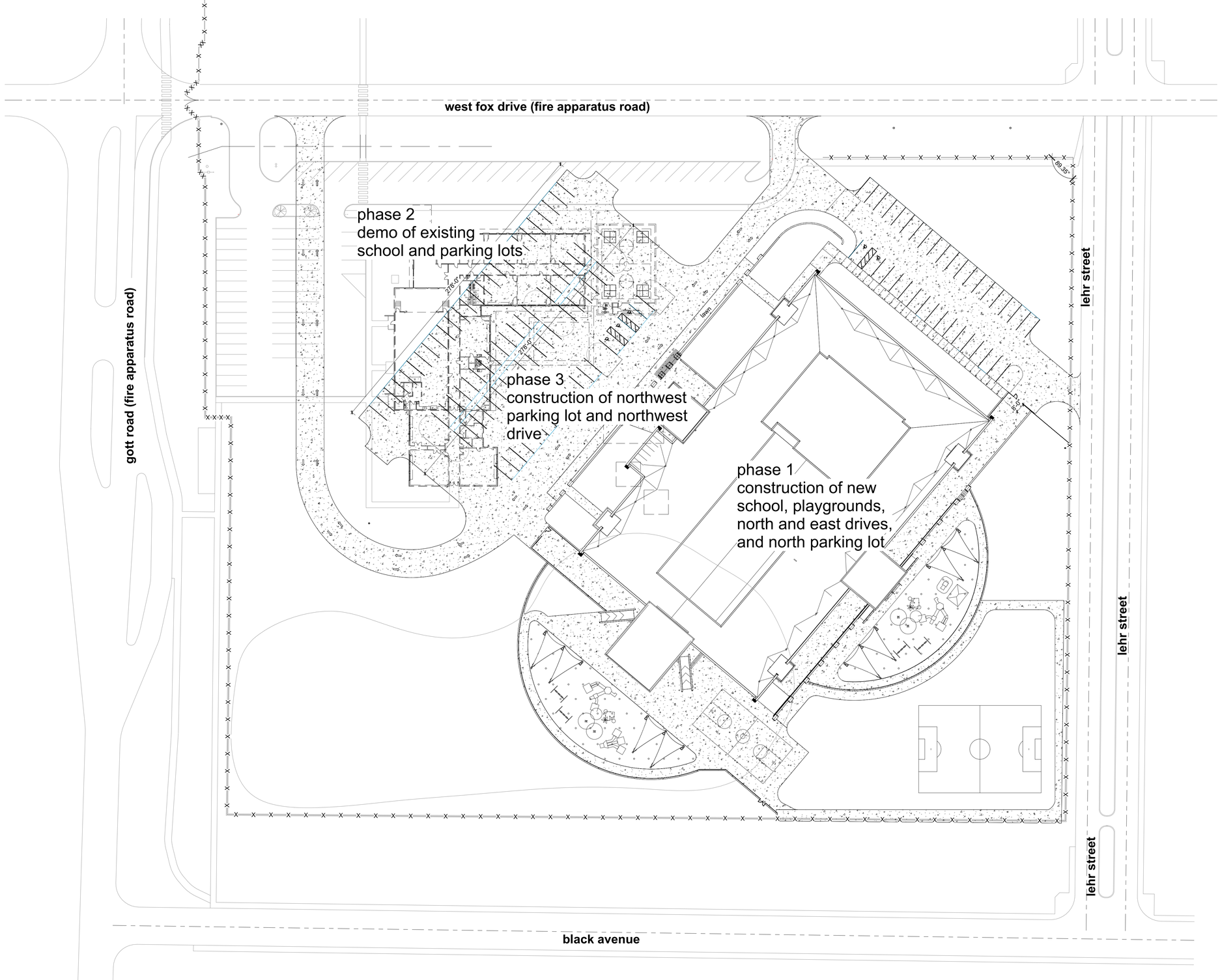
ls1.1



Site Plan Legend

- gas meter
- man hole
- power pole
- pole light
- sign
- fire hydrant
- wm — water meter
- wv — water valve
- fence line
- u/g gas line
- electrical line
- sanitary sewer
- telephone line
- television line
- overhead electrical line
- centerline of drain
- u/g waterline
- concrete slab
- cj — construction joint
- ej — expansion joint
- 00.0' — existing grade
- 00.0 — new grade
- 00.00' — spot elevation

Site Phasing

Phase 1: construction of new school, main drive and parking

Phase 2: demolition of existing school and parking

Phase 3: construction of new parking

a architectural site phasing plan
1" = 40'-0"

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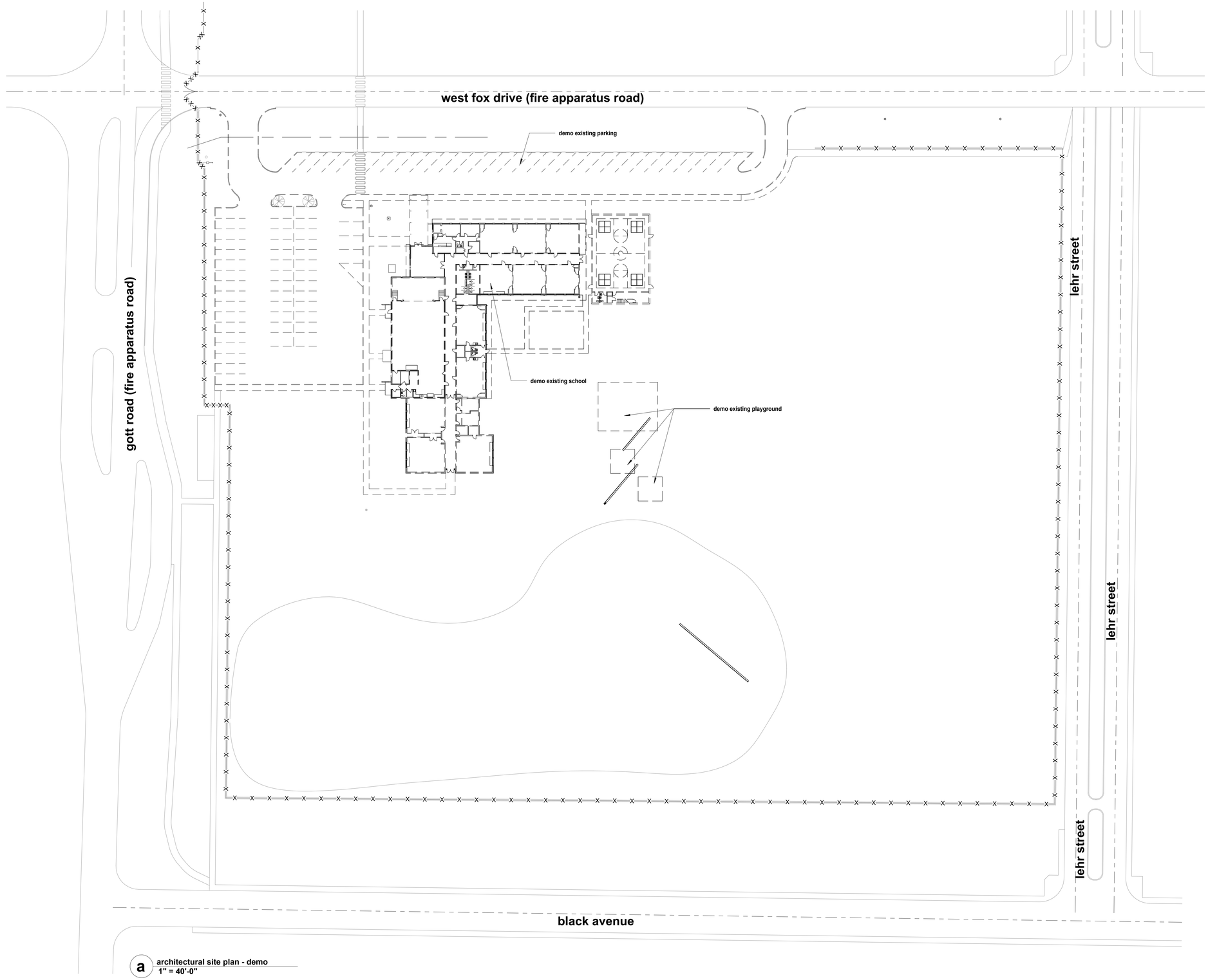

a architectural site plan - demo
1" = 40'-0"

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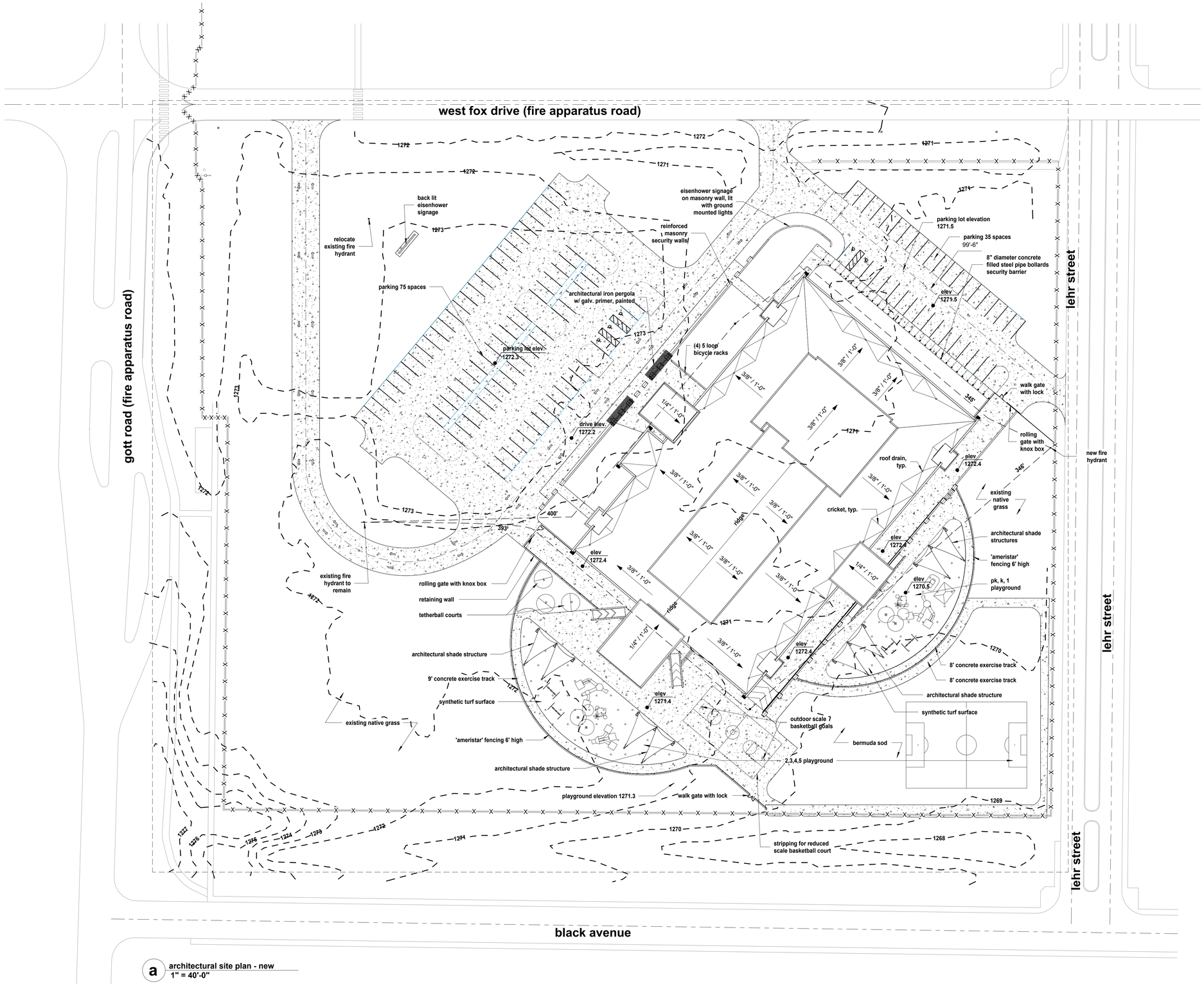

a **architectural site plan - new**
1" = 40'-0"

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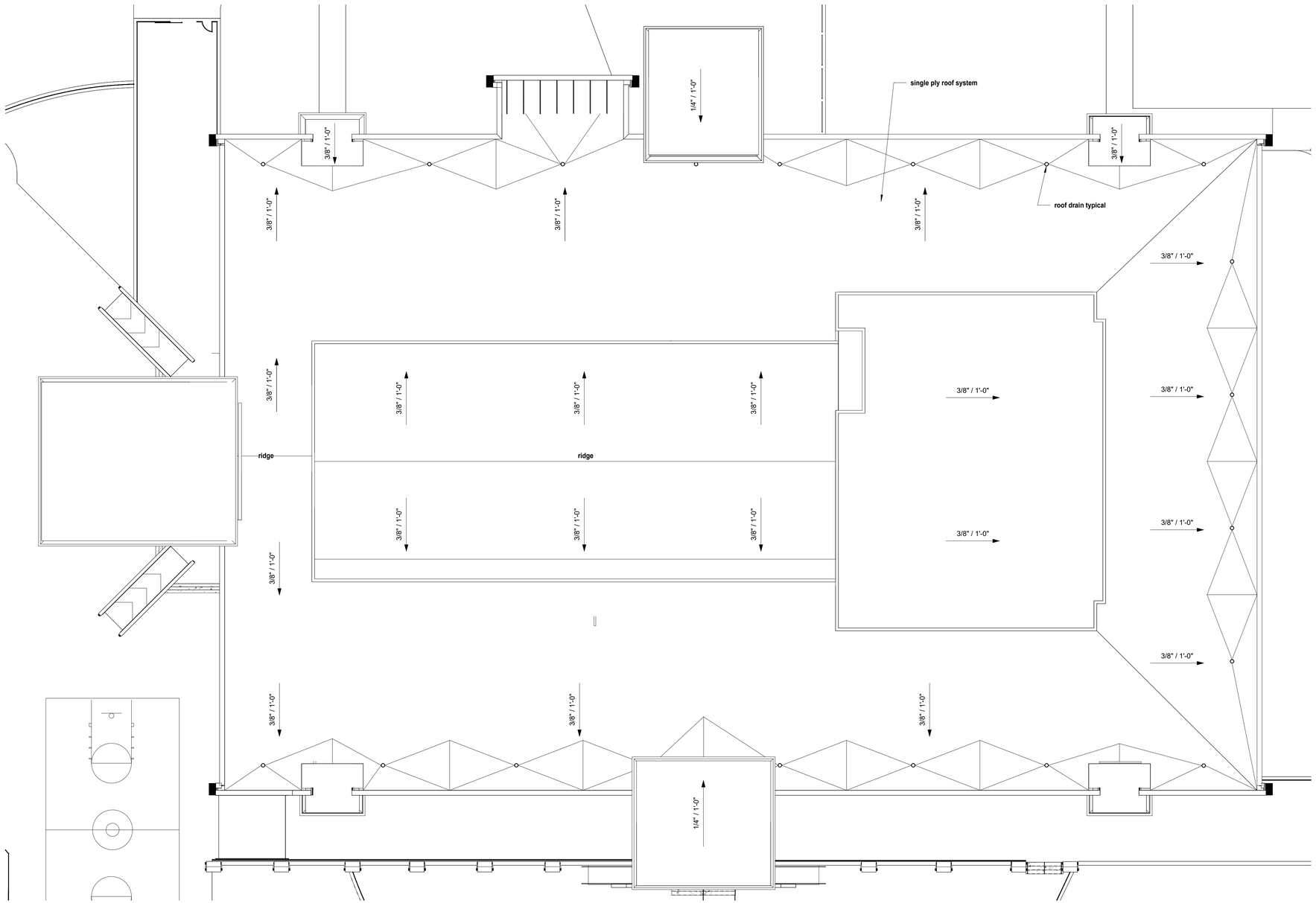
asp1.2



a roof plan
1/16" = 1'-0"

date issued:	Issue Date				

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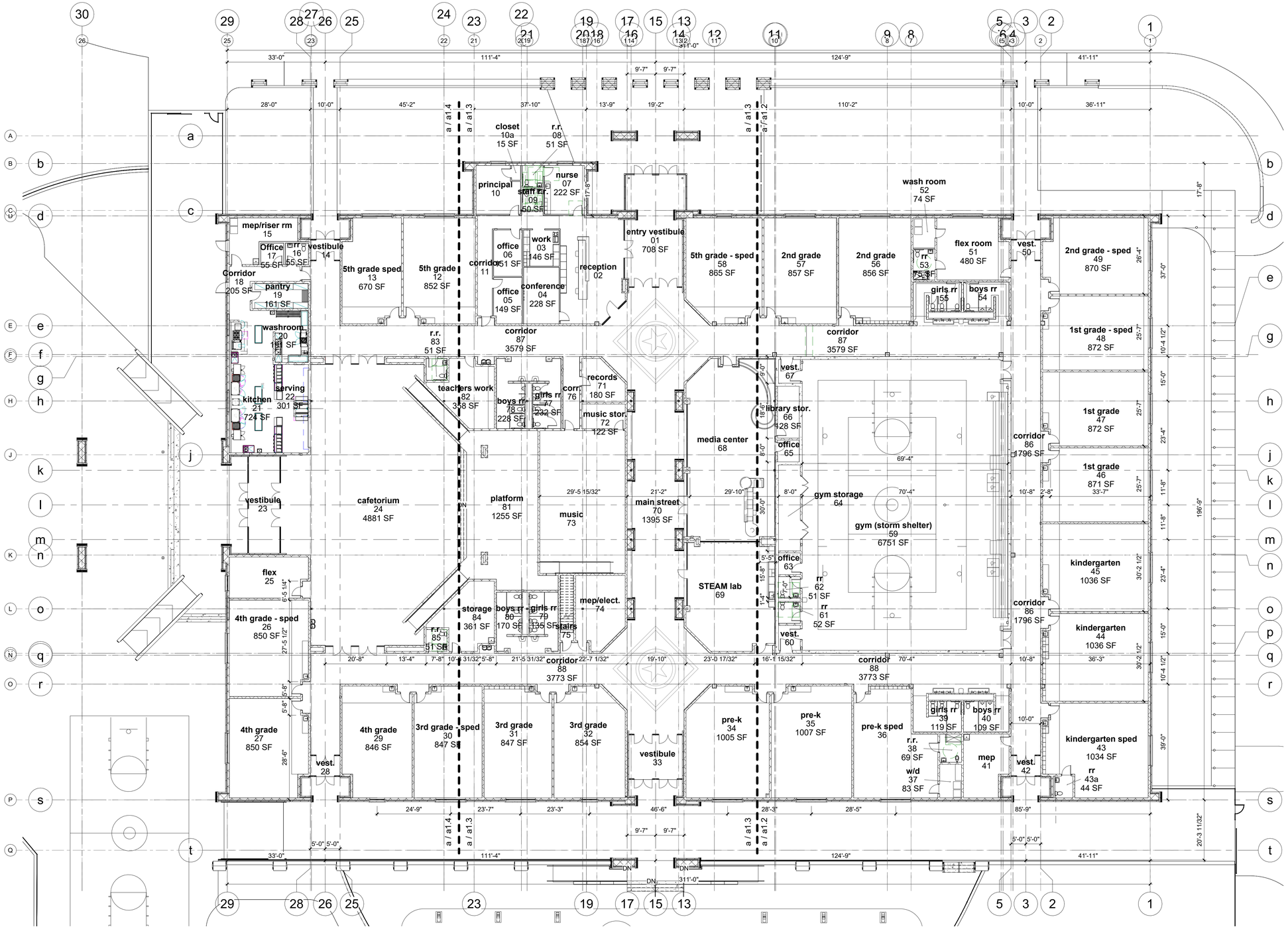

a level 1 context plan
1/16" = 1'-0"

Plan Legend

- existing to remain
- text — existing item
- existing to be removed
- drywall partition
- cmu wall
- brick wall
- FE — fire extinguisher
- ds — downspout
- x — wall type, see typical wall details
- xxx — door type, see door schedule
- x — window type, see door schedule

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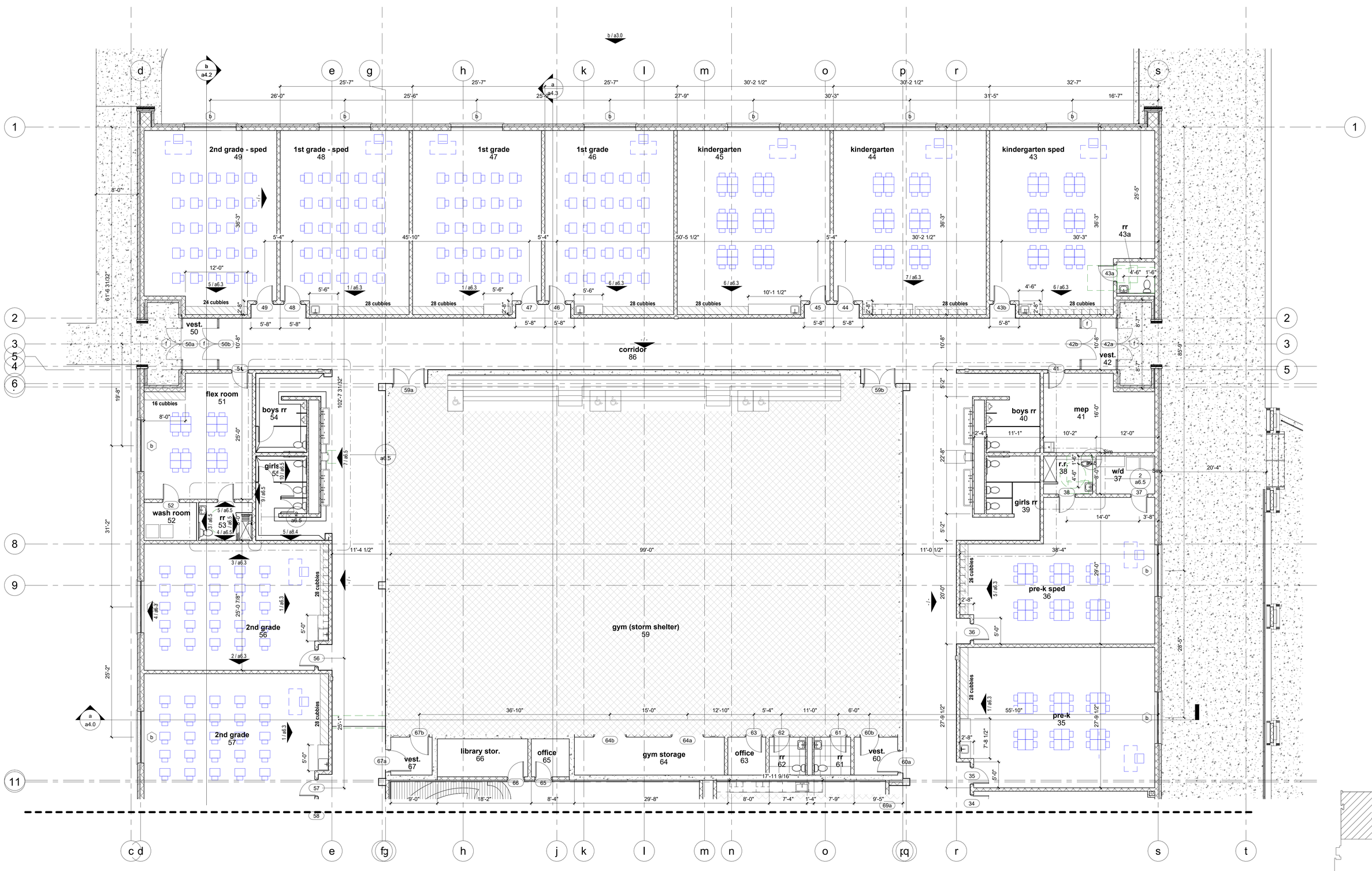

a enlarged floor plan "a"
1/8" = 1'-0"

A
KEY PLAN

date issued:	Issue Date				

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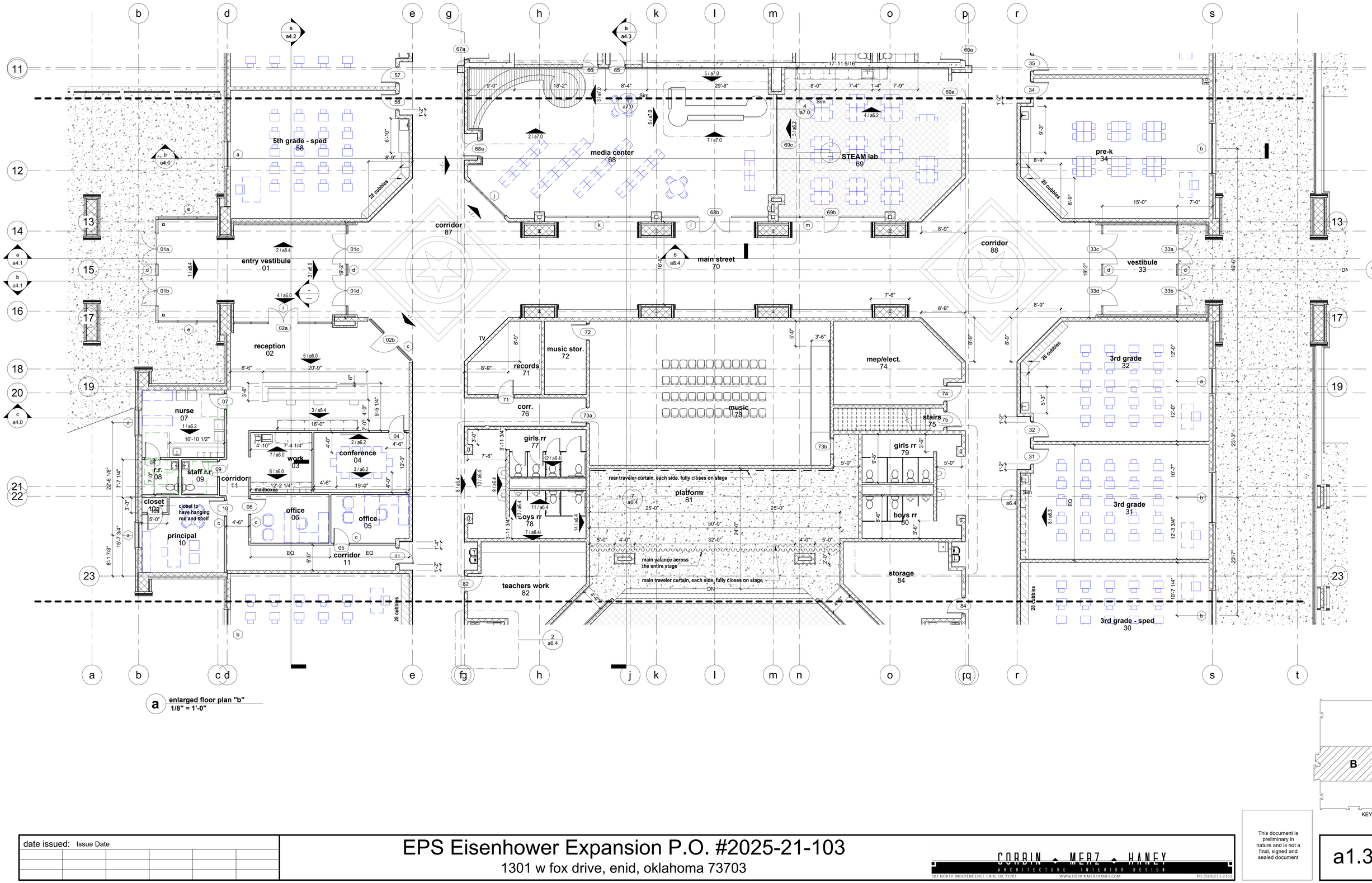
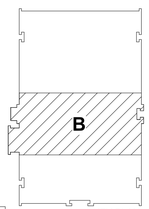
a1.2



a enlarged floor plan "b"
1/8" = 1'-0"



KEY PLAN

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a1.3

principal 10
office 05
corridor 11
5th grade 12
5th grade sped 13
vestibule 14
rr 16
Office 17
Corridor 18
pantry 19
washroom 20
kitchen 21
serving 22
vestibule 23
flex 25
4th grade - sped 26
4th grade 27
vest. 28
3rd grade - sped 30
4th grade 29
mep/riser rm 15
boys rr 78
teachers work 82
r.r. 83
cafetorium 24
216 students
storage 84
r.r. 85
boys rr 80
main valance across the entire stage
main traveler curtain, each side, fully closes on stage
DN
1/ a6.1
2 a6.4
overhead door
tray return
milk cool
ref.
freezer
dbl oven
proof cab.
28 cubbies
24 cubbies
8 eq cabinets
6" metal stud wall furr-out
lockers
washer/dryer
janitor sink
EQ
50'-0"
32'-0"
83'-2"
50'-6"
26'-0"
33'-0"
a enlarged floor plan "c"
1/8" = 1'-0"
KEY PLAN

date issued:	Issue Date

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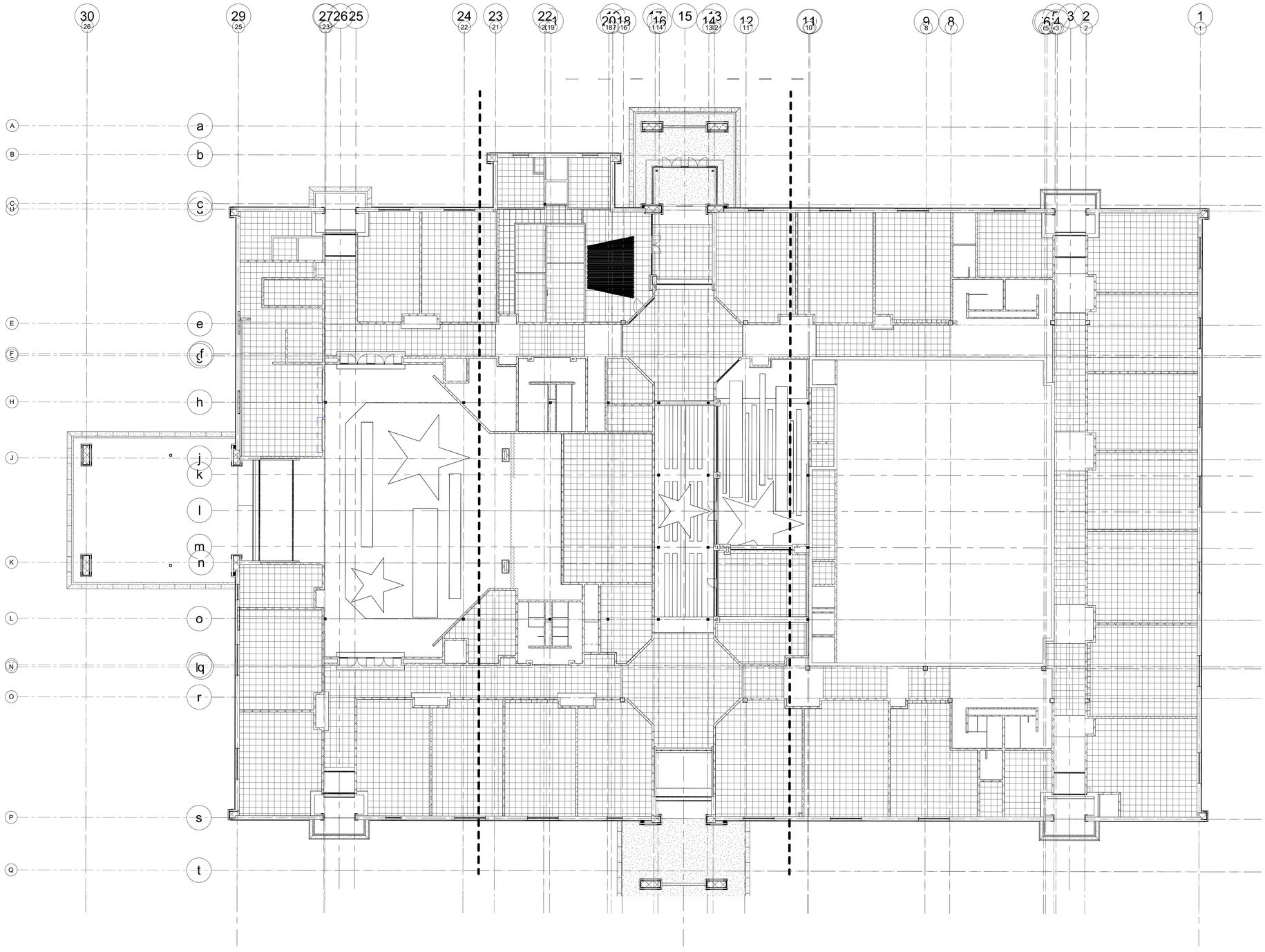
a1.4



1 rcp - context plan
1/16" = 1'-0"

date issued:	Issue Date				

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a2.0

1 rcp - floorplan "a"
1/8" = 1'-0"

KEY PLAN

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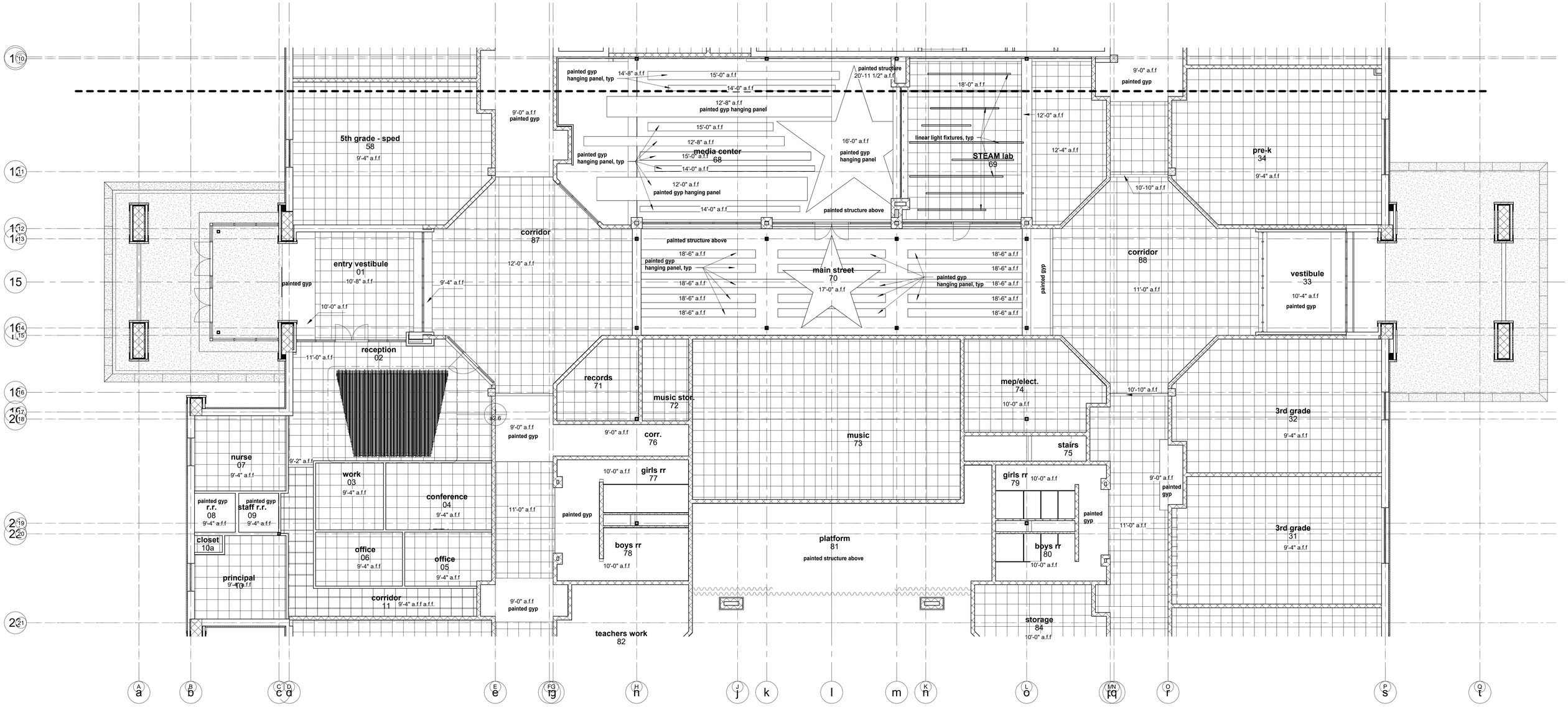
a2.1



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a2.2

1 rcp - floorplan "c"
1/8" = 1'-0"

KEY PLAN

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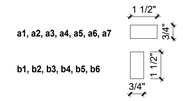
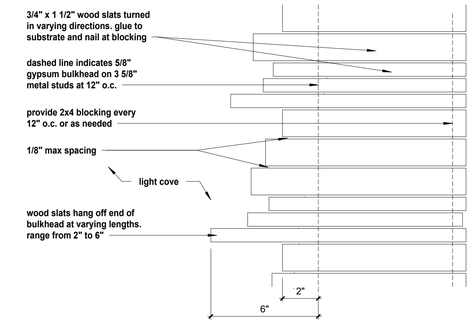
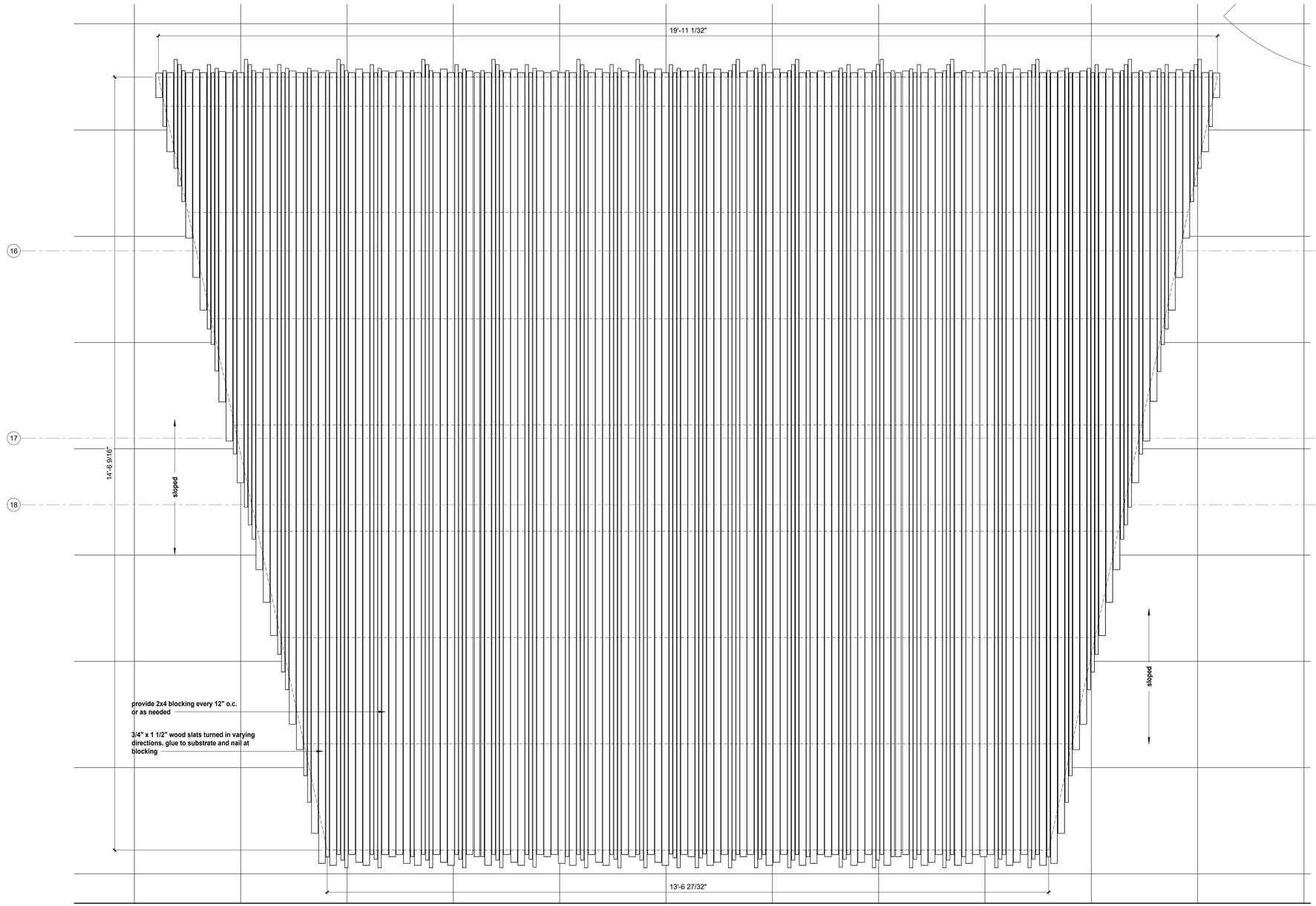
a2.3

Wood Slats Schedule				
Mark	width	depth	length	count (verify)

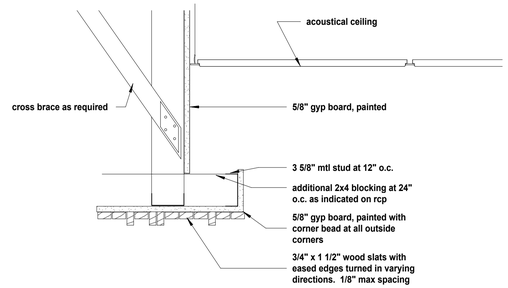




2 **wood slat edge**
3" = 1'-0"



1 **enlarged plan at wood ceiling**
1" = 1'-0"



3 **section at wood ceiling**
1 1/2" = 1'-0"

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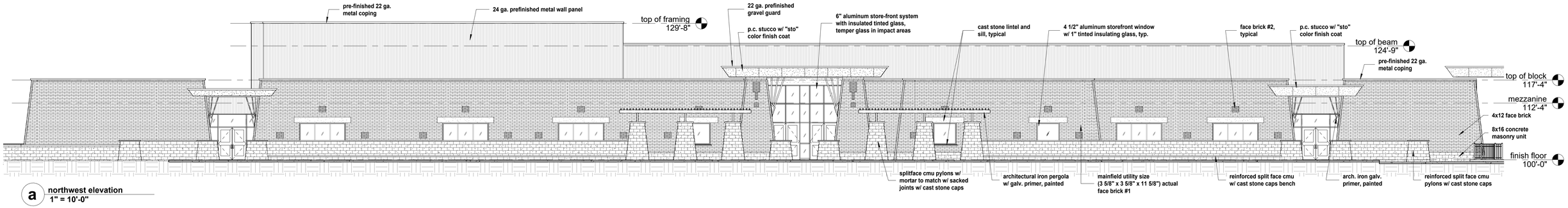
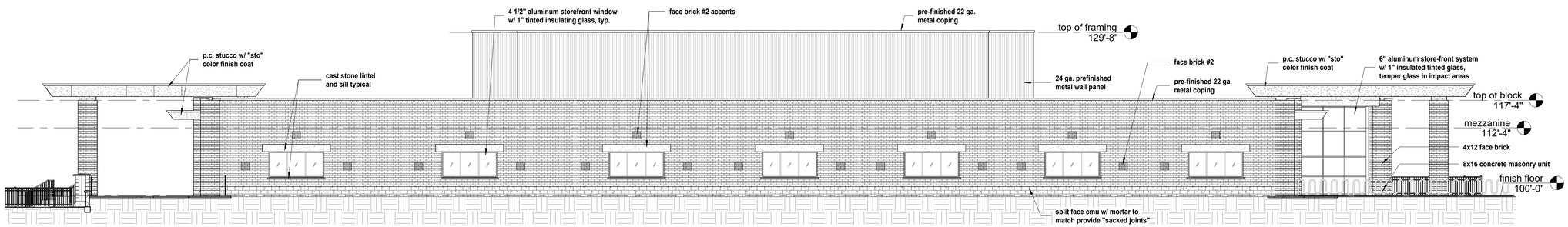
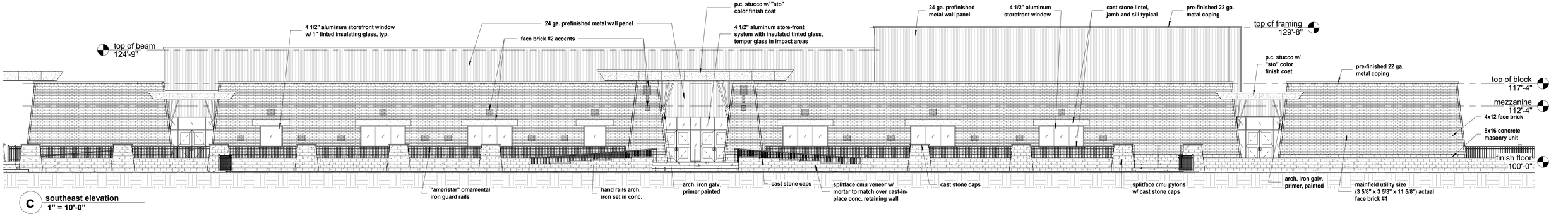
a2.6



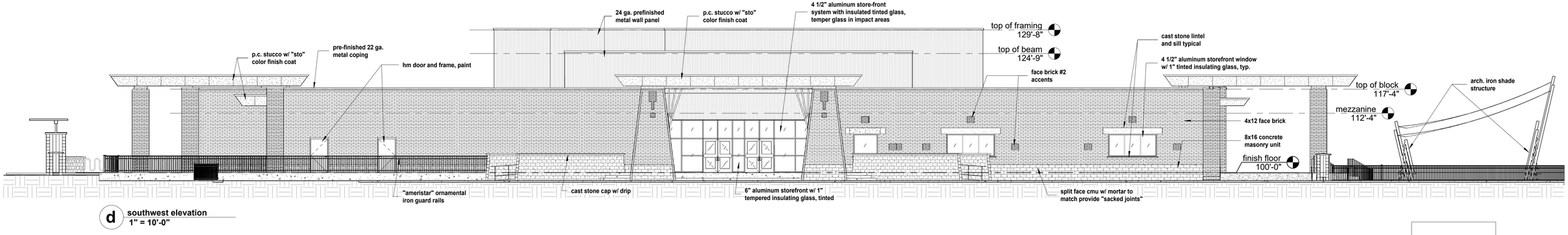
a **northwest elevation**
1" = 10'-0"



b **northeast elevation**
1" = 10'-0"



c **southeast elevation**
1" = 10'-0"



d **southwest elevation**
1" = 10'-0"

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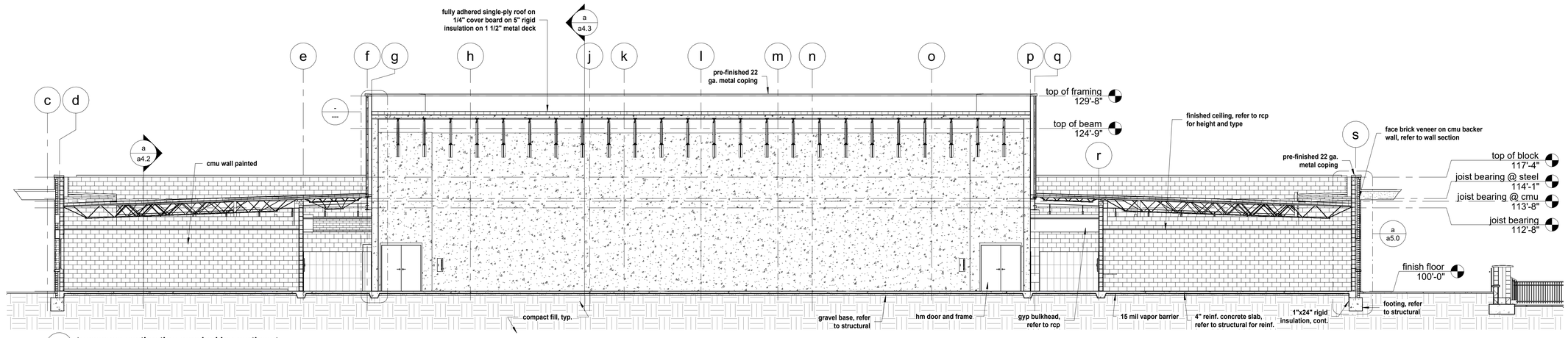
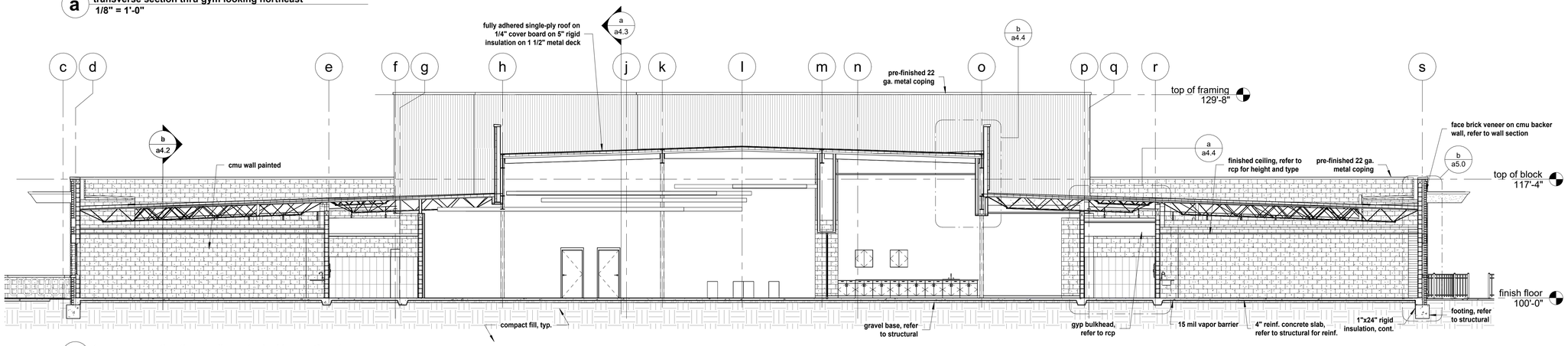
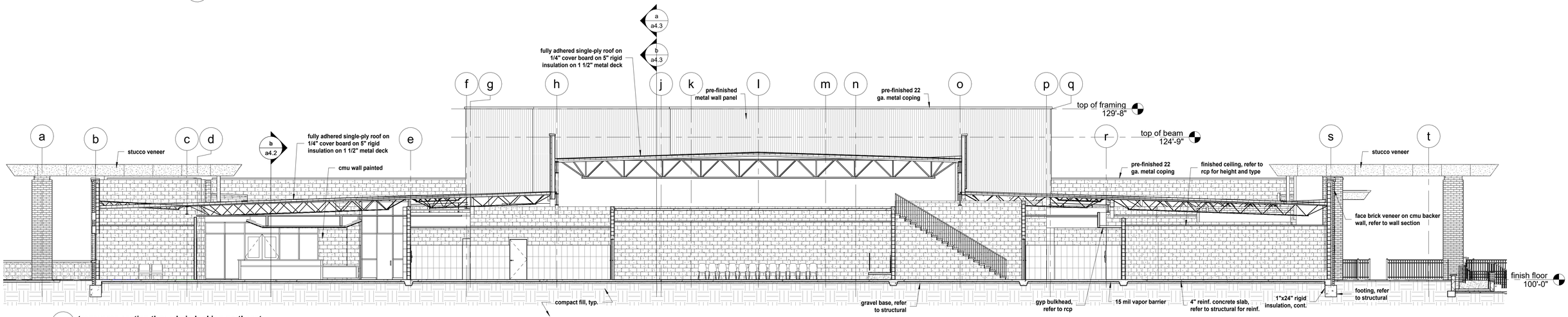


a transverse section thru gym looking northeast
1/8" = 1'-0"



b transverse section thru media center looking northeast
1/8" = 1'-0"



c transverse section thru admin looking northeast
1/8" = 1'-0"

date issued:	Issue Date				

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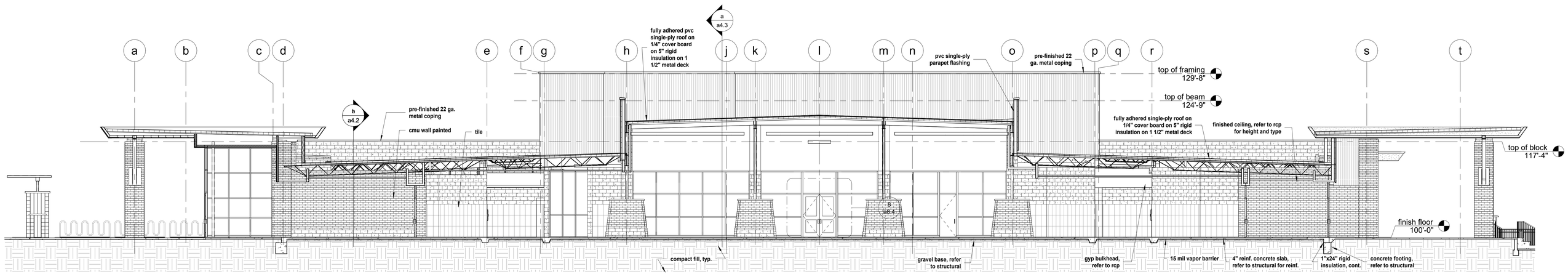
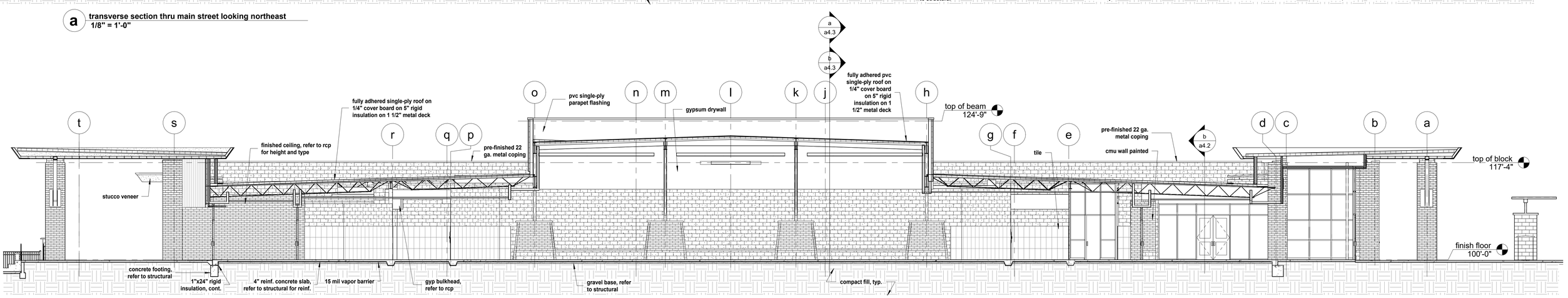
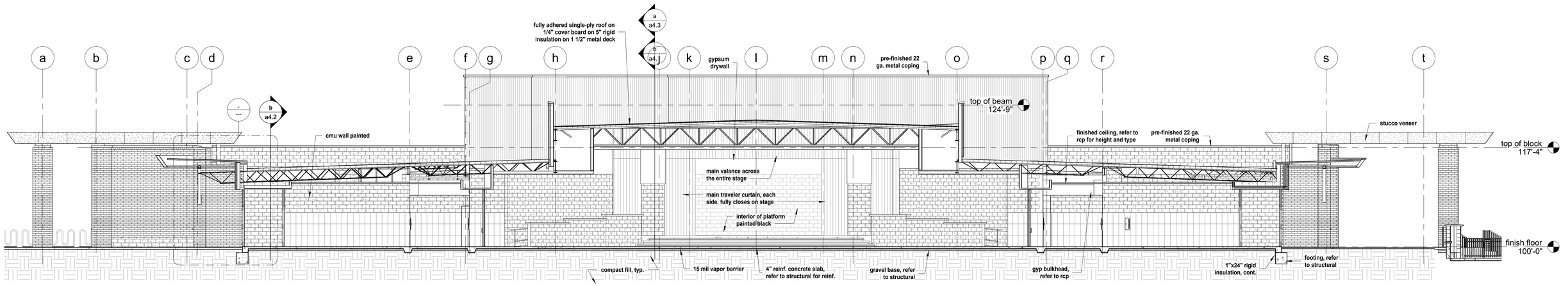
a4.0



a transverse section thru main street looking northeast
1/8" = 1'-0"



b transverse section thru main street looking southwest
1/8" = 1'-0"



c transverse section thru cafetorium looking northeast
1/8" = 1'-0"

date issued:	Issue Date				

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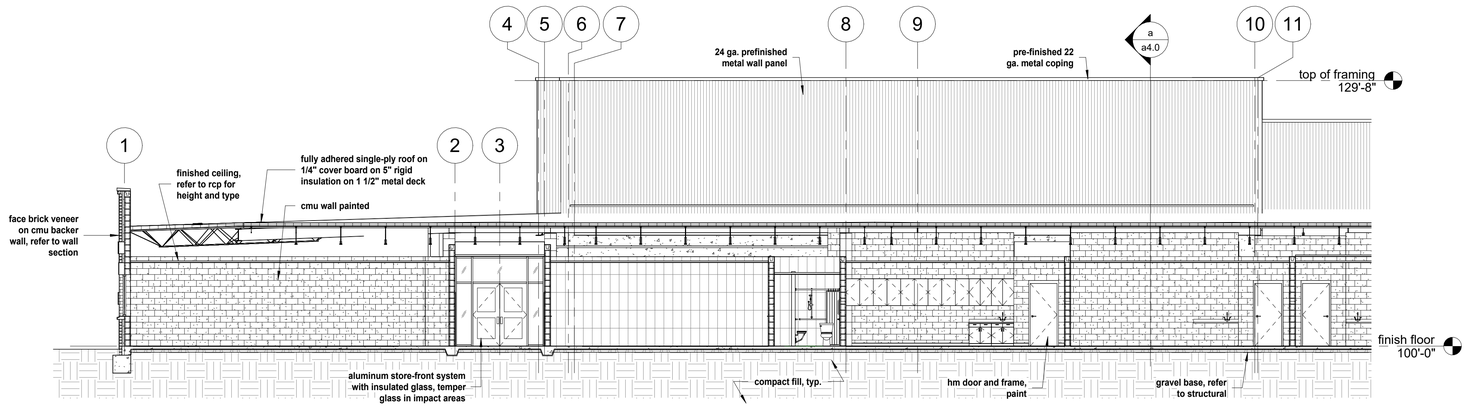
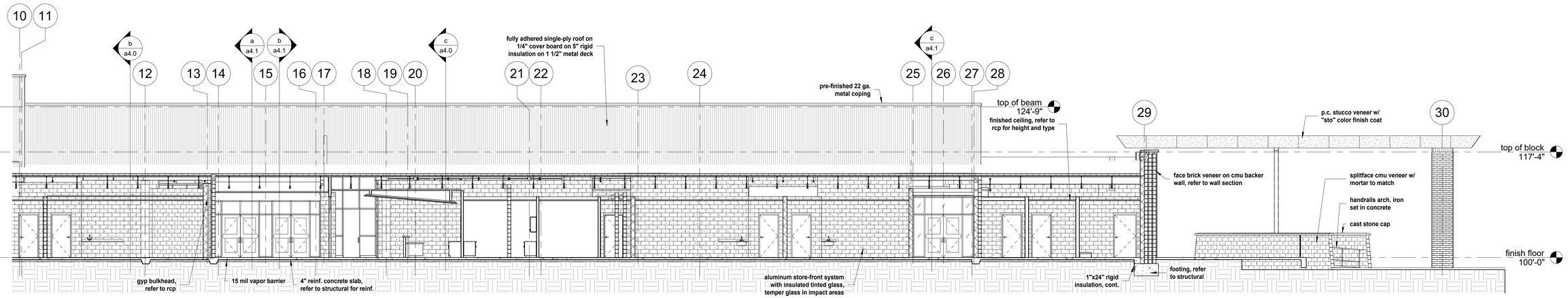
a4.1



a **longitudinal section thru classrooms looking southeast - north**
1/8" = 1'-0"



b **longitudinal section thru classrooms looking southeast - south**
1/8" = 1'-0"

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302 NORTH INDEPENDENCE ENID, OK 73701 WWW.CORBINMERZHANEY.COM PH:(580)233-2362

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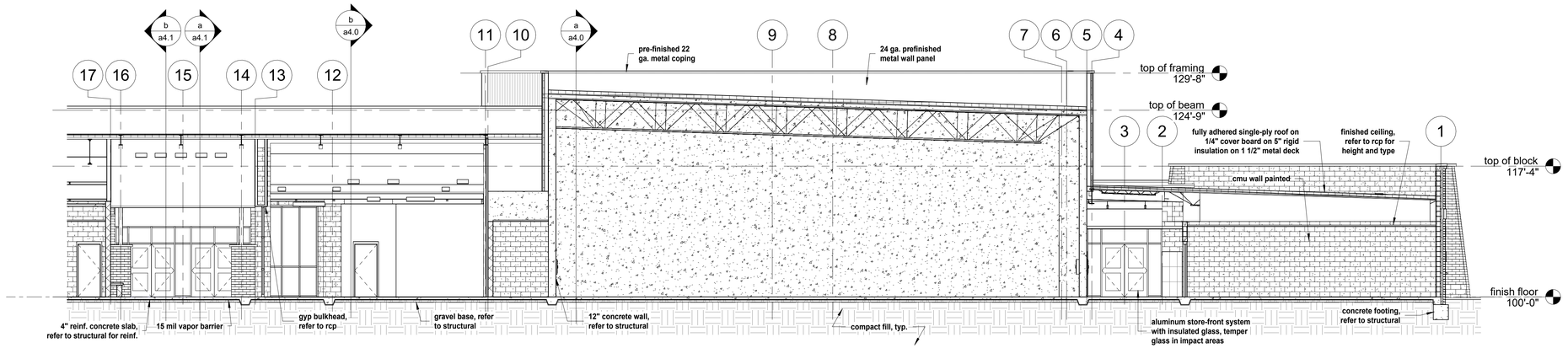
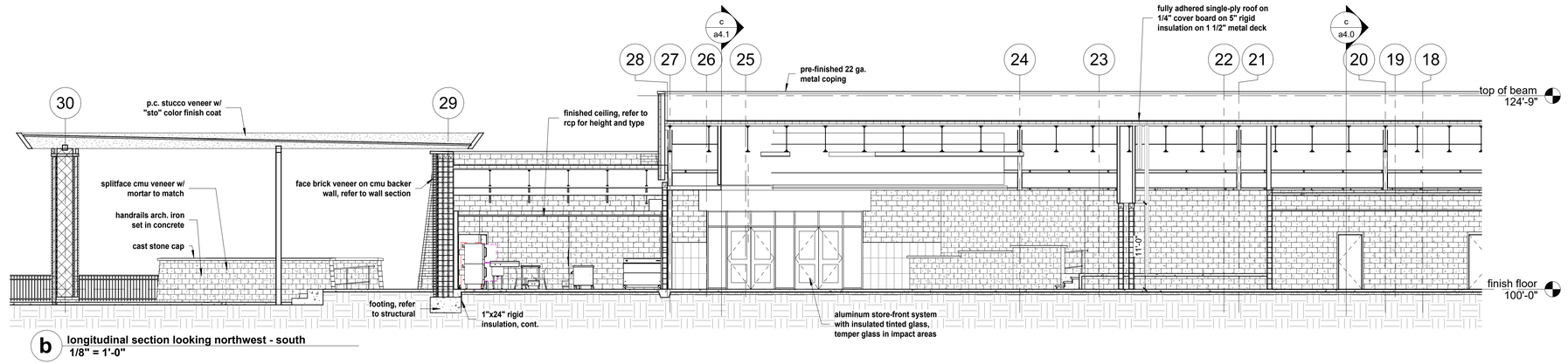
a4.2



a longitudinal section looking northwest - north
1/8" = 1'-0"



b longitudinal section looking northwest - south
1/8" = 1'-0"

date issued:	Issue Date				

EPS Eisenhower Expansion P.O. #2025-21-103

1301 w fox drive, enid, oklahoma 73703

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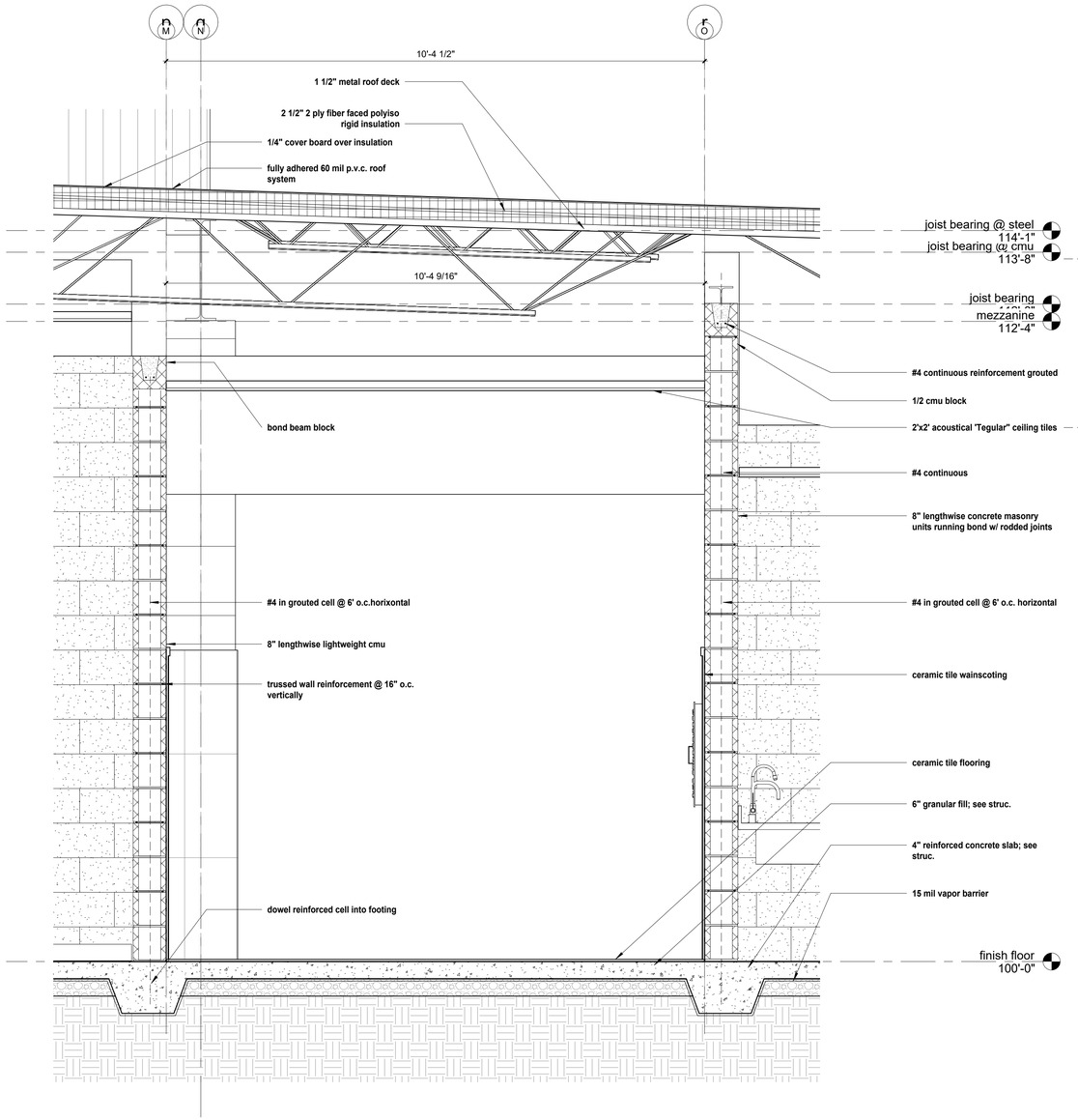
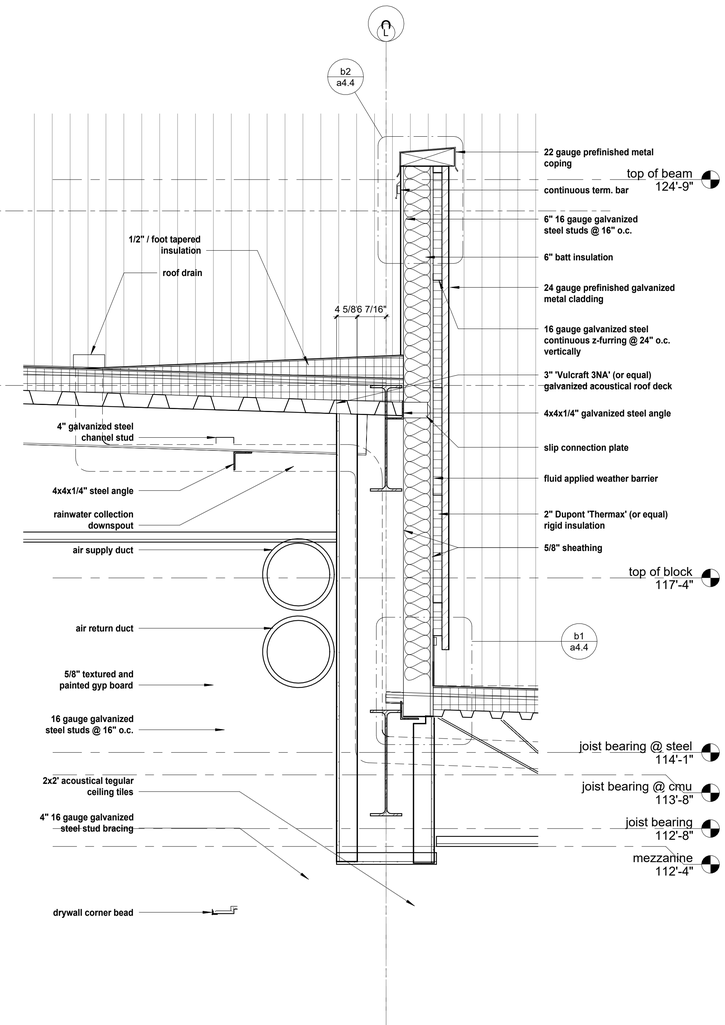
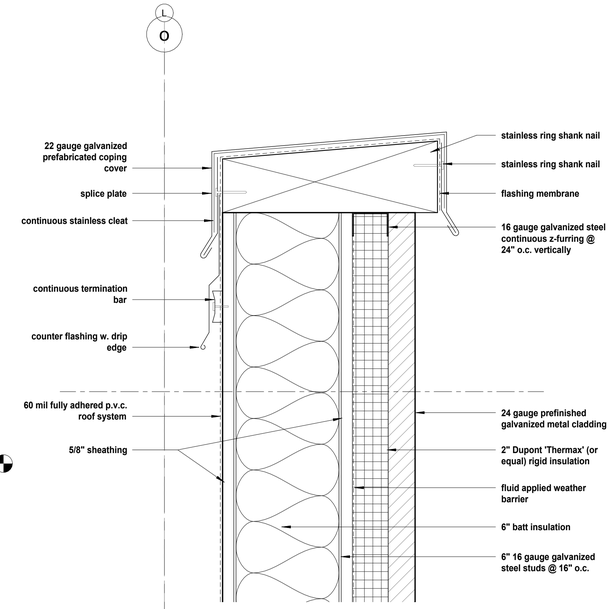
a4.3



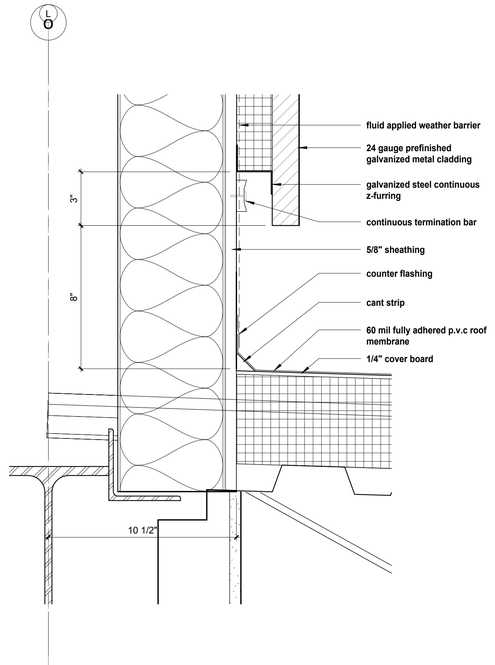
a transverse section detail at east hallway
3/4" = 1'-0"



b second level connections thru media center
3/4" = 1'-0"



b2 second level parapet cap detail
3" = 1'-0"



b1 second level exterior cladding and lower connection detail
3" = 1'-0"

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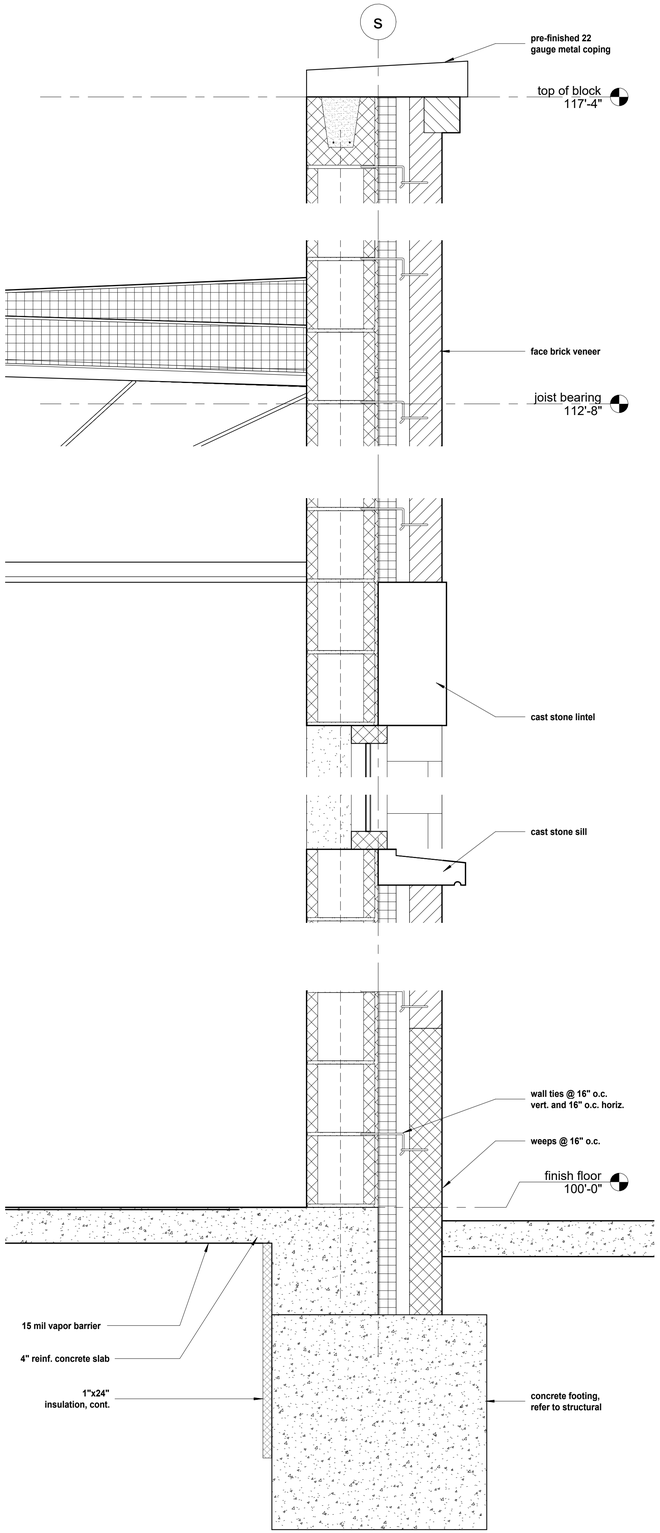
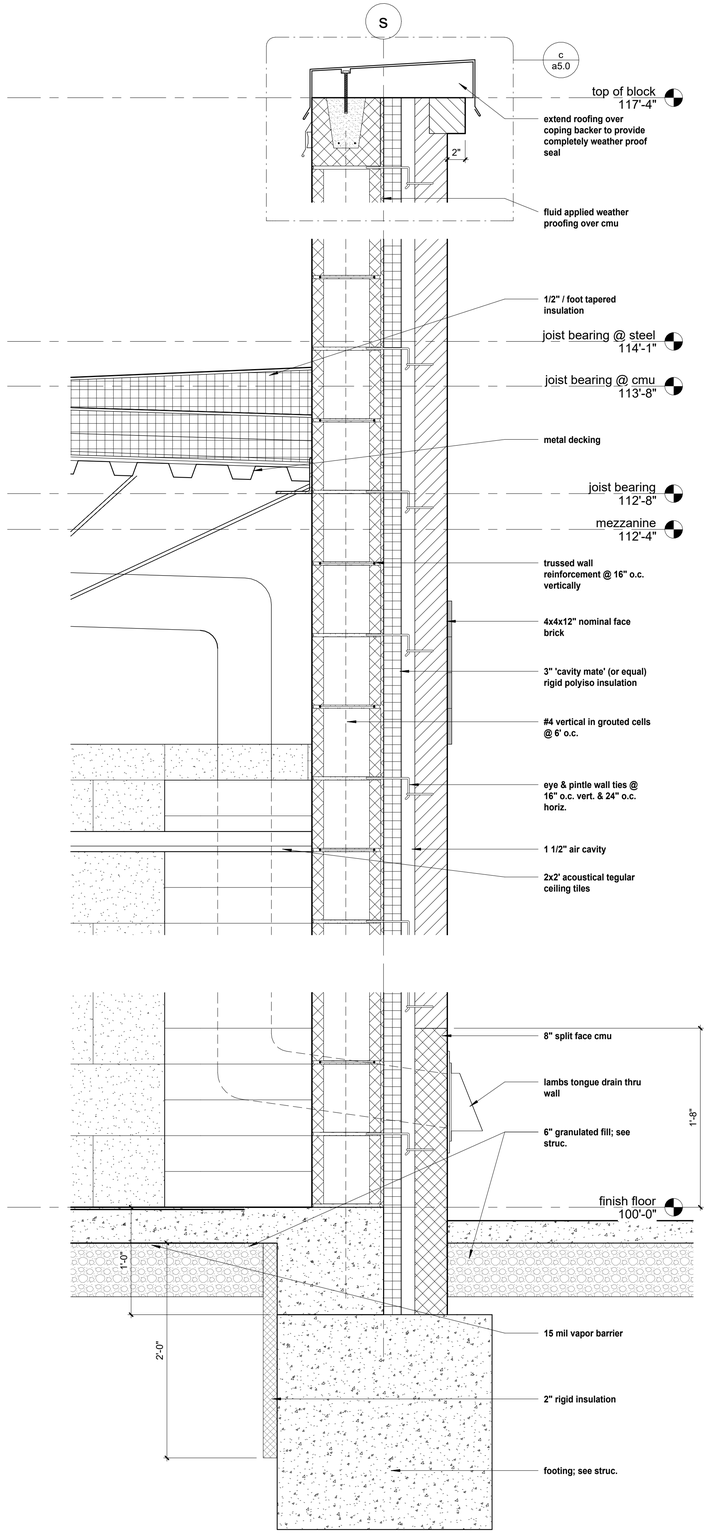
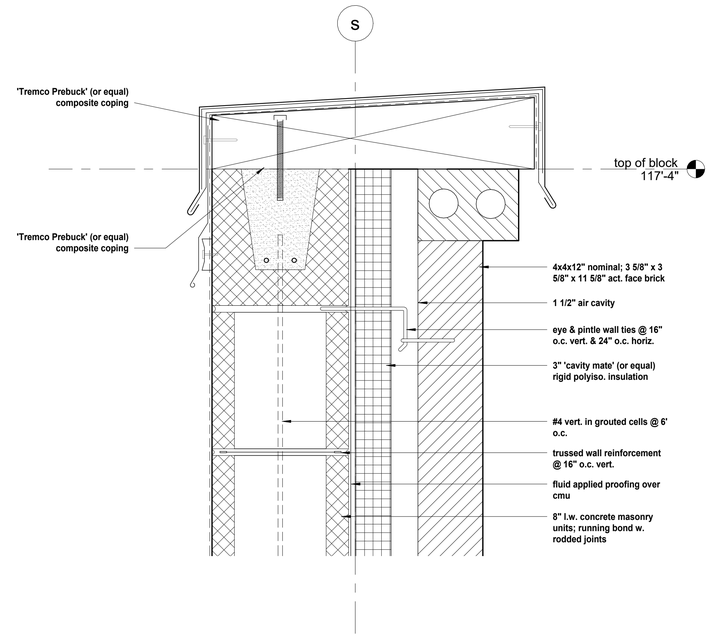
a4.4



a typ. wall section through window
1 1/2" = 1'-0"



b typ. exterior wall section
1 1/2" = 1'-0"



C typ. exterior wall parapet cap detail
3" = 1'-0"

date issued: Issue Date

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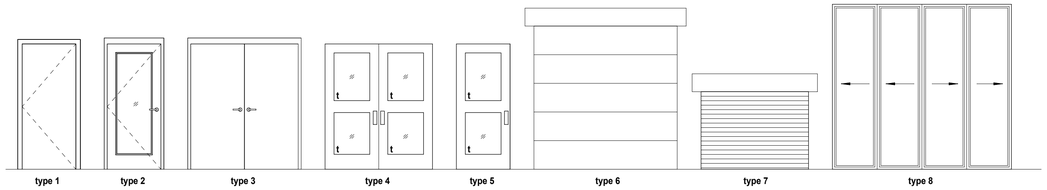
a5.0

Door Schedule						
Door Number	Frame Type	Size: Width x Height x Thickness	Fire Rating	Material	Finish	Notes
01a	4	6'-0" x 8'-0" x	nr	al	al	
01b	4	6'-0" x 8'-0" x	nr	al	al	
01c	4	6'-0" x 7'-0" x	nr	al	al	
01d	4	6'-0" x 7'-0" x	nr	al	al	
02a	4	5'-10" x 7'-11" x	nr	al	al	
02b	5	3'-8 1/2" x 7'-11" x	nr	al	al	
04	2	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
05	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
06	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
07	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
08	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
09	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
10	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
10a	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
11	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
12	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
13	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
14a	4	6'-0" x 7'-0" x	nr	al	al	
14b	4	6'-0" x 7'-0" x	nr	al	al	
15a	1	3'-6" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
15b	1	3'-6" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
16	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
17	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
18a	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
18b	1	3'-6" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
19	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
22a	6	10'-0" x 10'-0" x 0'-2"	nr	st	st	
22b	6	10'-0" x 10'-0" x 0'-2"	nr	st	st	
23a	4	6'-0" x 7'-0" x	nr	al	al	
23b	4	6'-0" x 7'-0" x	nr	al	al	
23c	4	6'-0" x 7'-0" x	nr	al	al	
23d	4	6'-0" x 7'-0" x	nr	al	al	
24a	4	6'-0" x 7'-11" x	nr	al	al	
24ab	4	6'-0" x 7'-11" x	nr	al	al	
24c	4	6'-0" x 7'-11" x	nr	al	al	
24d	4	6'-0" x 7'-11" x	nr	al	al	
25	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
26	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
27	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
28a	4	6'-0" x 7'-0" x	nr	al	al	
28b	4	6'-0" x 7'-0" x	nr	al	al	
29	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
30	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
31	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
32	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
33a	4	6'-0" x 7'-0" x	nr	al	al	
33b	4	6'-0" x 7'-0" x	nr	al	al	
33c	4	6'-0" x 7'-0" x	nr	al	al	
33d	4	6'-0" x 7'-0" x	nr	al	al	
34	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
35	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
36	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
37	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
38	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
41	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
42a	4	6'-0" x 7'-0" x	nr	al	al	
42b	4	6'-0" x 7'-0" x	nr	al	al	
43a	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
43b	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
44	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
45	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
46	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
47	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
48	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
49	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
50a	4	6'-0" x 7'-0" x	nr	al	al	
50b	4	6'-0" x 7'-0" x	nr	al	al	
51	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
52	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
53	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
56	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
57	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
58	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
59a	3	6'-0" x 7'-0" x 0'-1 3/4"	nr	st	st	
59b	3	6'-0" x 7'-0" x 0'-1 3/4"	nr	st	st	
60a	1	4'-0" x 7'-0" x 0'-1 3/4"	nr	st	st	
60b	1	3'-6" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
61	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
62	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
63	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
64a	3	6'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
64b	3	6'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
65	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
66	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
67a	1	4'-0" x 7'-0" x 0'-1 3/4"	nr	st	st	

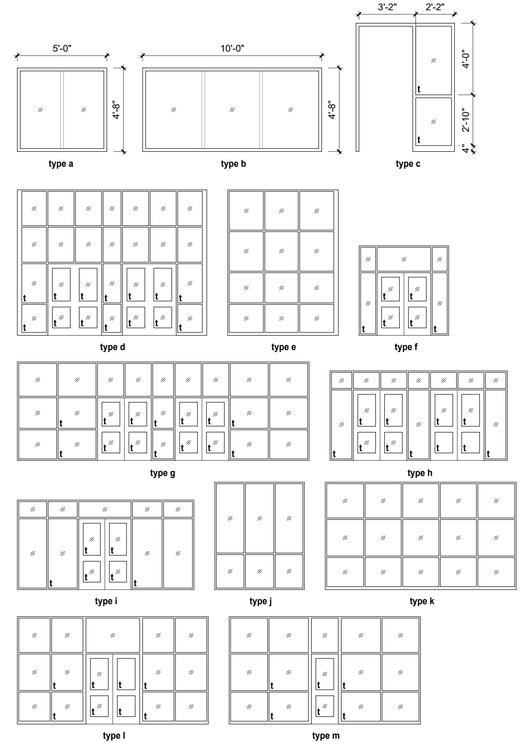
Door Schedule						
Door Number	Frame Type	Size: Width x Height x Thickness	Fire Rating	Material	Finish	Notes
67b	1	3'-6" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
68a	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
68b	4	6'-0" x 7'-10" x	nr	al	al	
69a	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
69b	5	3'-0" x 7'-10" x	nr	al	al	
69c	8	20'-0" x 10'-6" x 0'-2 5/8"	nr			
71	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
72	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
73a	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
73b	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
74	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
75	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	hm	hm	
82	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
83	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
84	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	
85	1	3'-0" x 7'-0" x 0'-1 3/4"	nr	wd	hm	



Legend
co - cased opening
nr - not rated
hm - hollow metal
wd - wood, factory finish
al - aluminum, prefinished
st - steel
fg - fiberglass

Notes:
1. xxxxxxxxxxxxx
2. xxxxxxxxxxxxx
3. xxxxxxxxxxxxx
4. xxxxxxxxxxxxx

Window Schedule					
Mark	Construction Type	Height	Width	Head Height	Room Number
a	fixed	4'-8"	5'-0"	8'-0"	
b	fixed	4'-8"	10'-0"	8'-0"	



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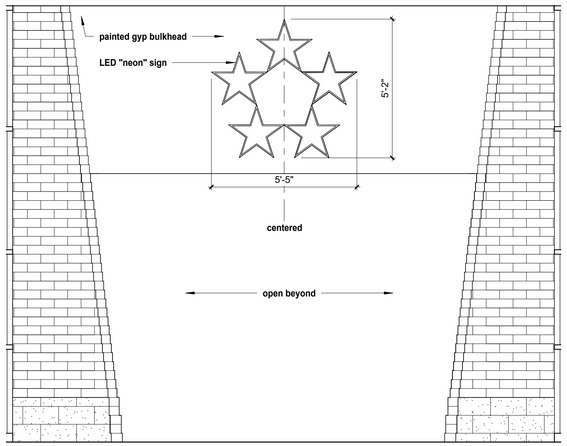
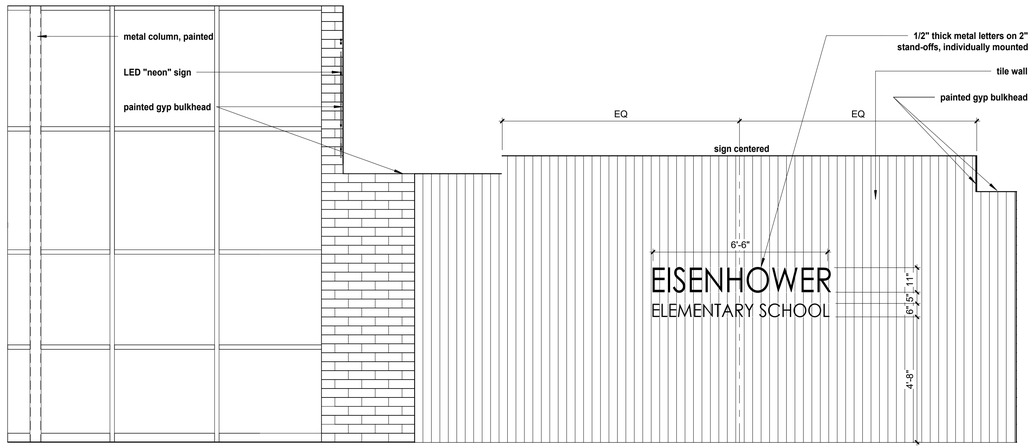
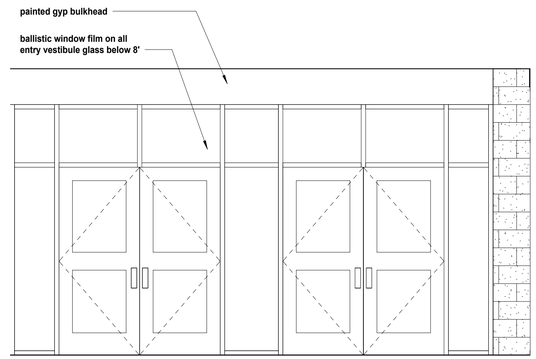


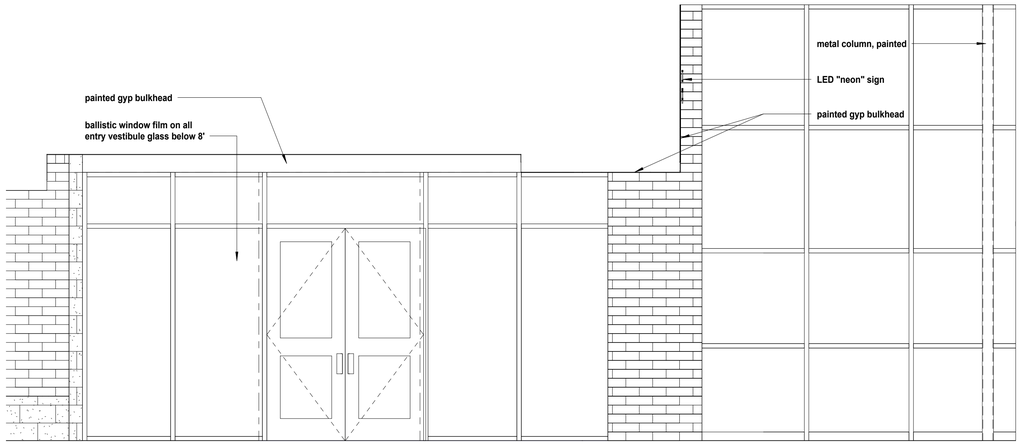
1 entry vestibule - neon sign
3/8" = 1'-0"



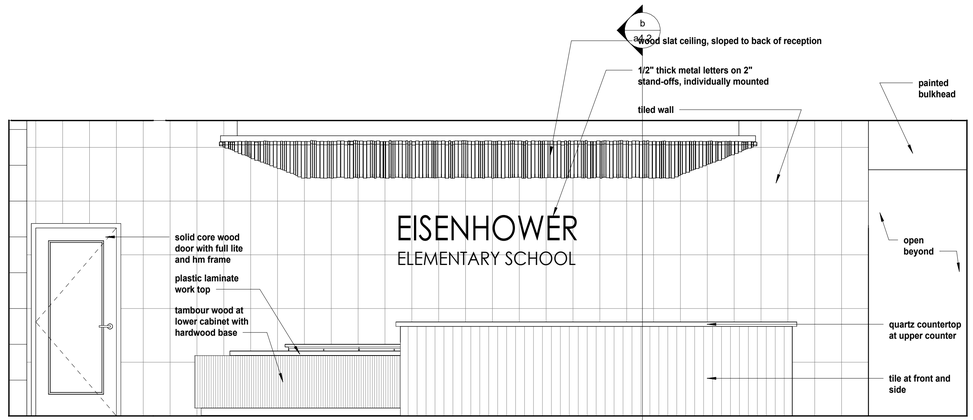
2 entry vestibule - north
3/8" = 1'-0"



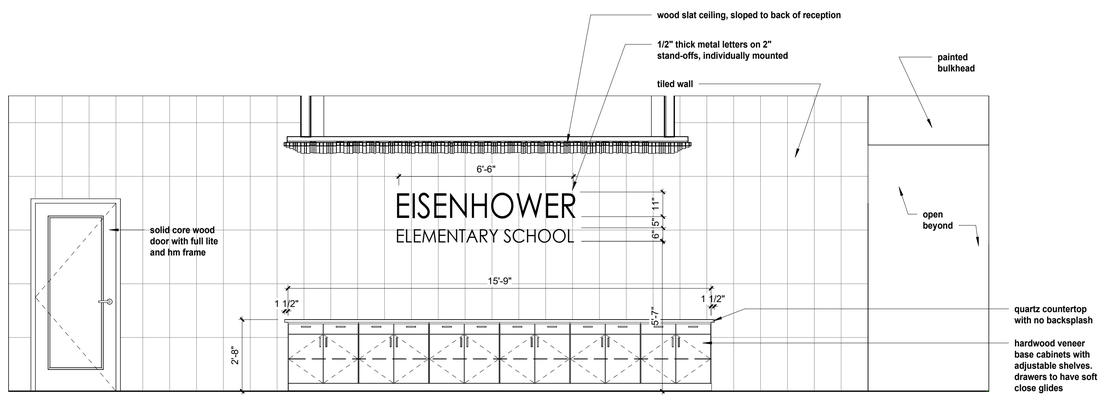
3 entry vestibule - east
3/8" = 1'-0"



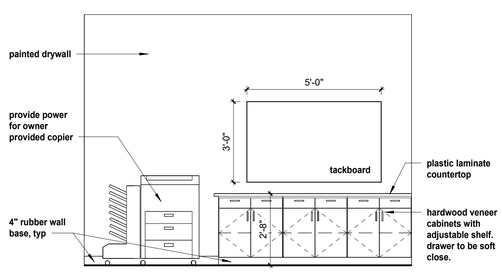
4 entry vestibule - reception doors
3/8" = 1'-0"



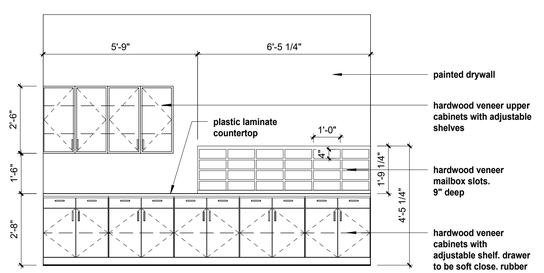
5 reception desk
3/8" = 1'-0"



6 reception cabinets
3/8" = 1'-0"



7 work room cabinets
3/8" = 1'-0"



8 work room mailboxes
3/8" = 1'-0"

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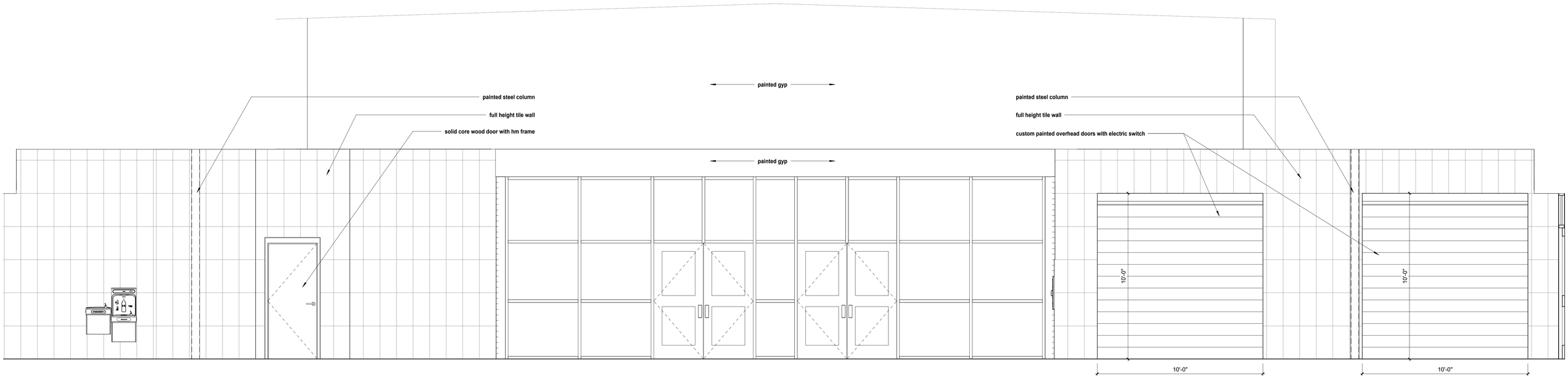
a6.0



1 **cafeteria serving lines**
3/8" = 1'-0"

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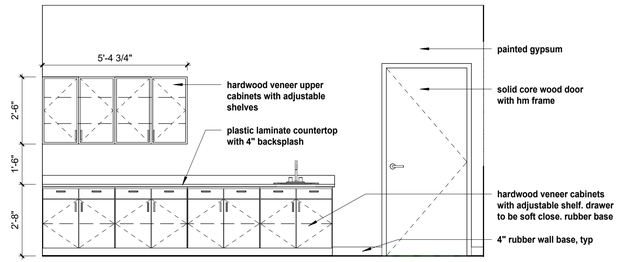
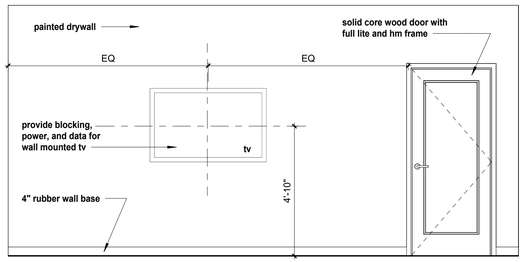
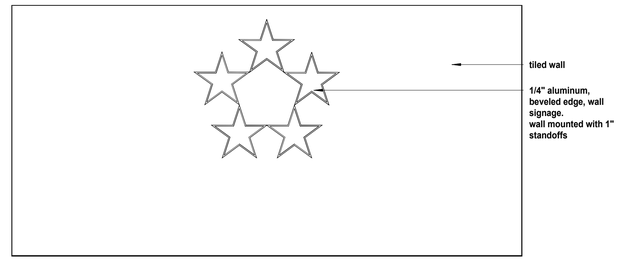
a6.1



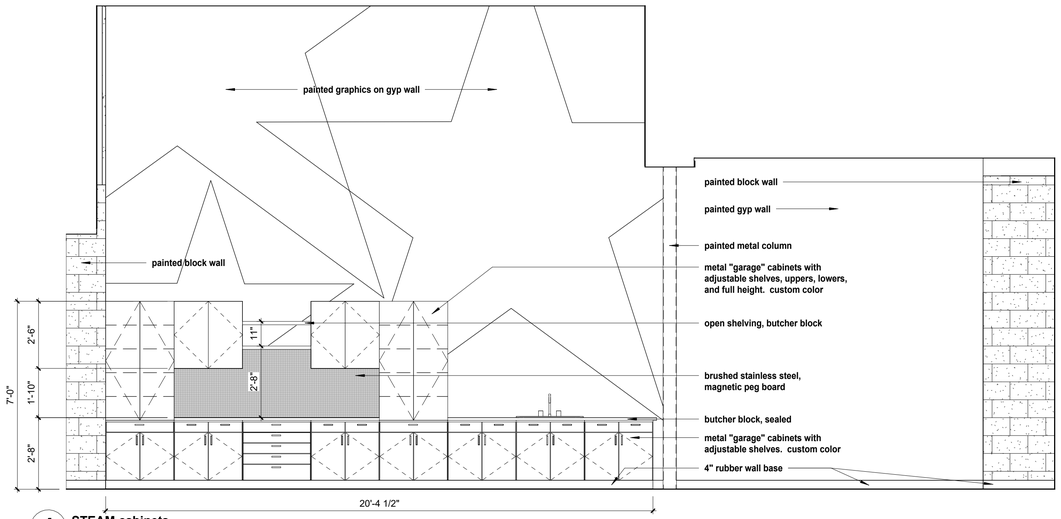
1 **nurse workstation**
3/8" = 1'-0"



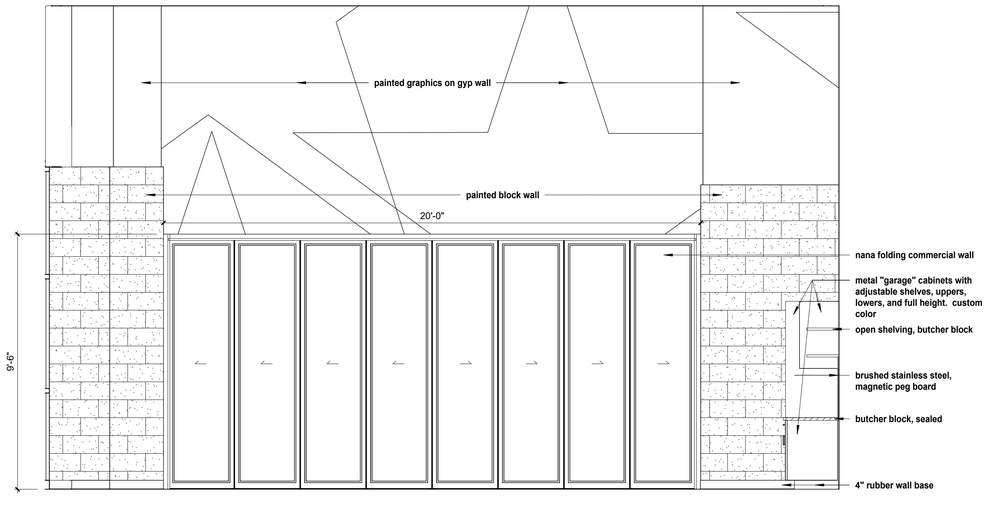
2 **conference room tv wall**
3/8" = 1'-0"



3 **conference room feature wall**
3/8" = 1'-0"



4 **STEAM cabinets**
3/8" = 1'-0"



5 **STEAM foldable wall**
3/8" = 1'-0"

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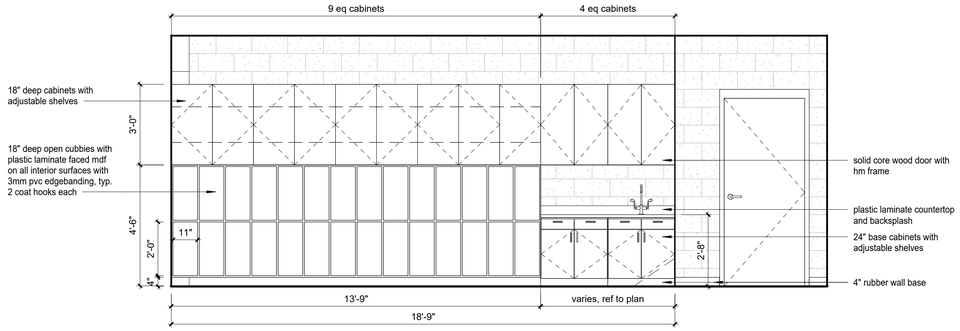
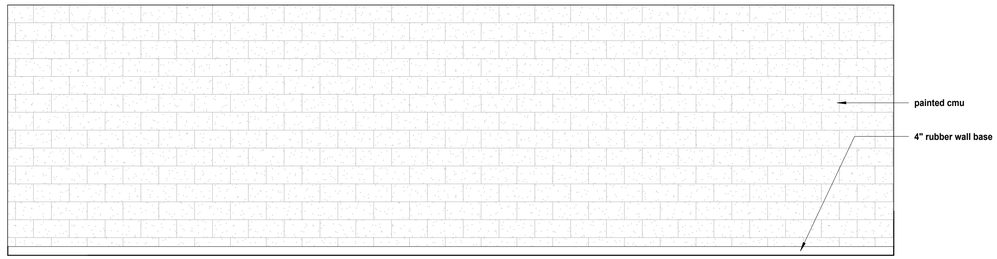
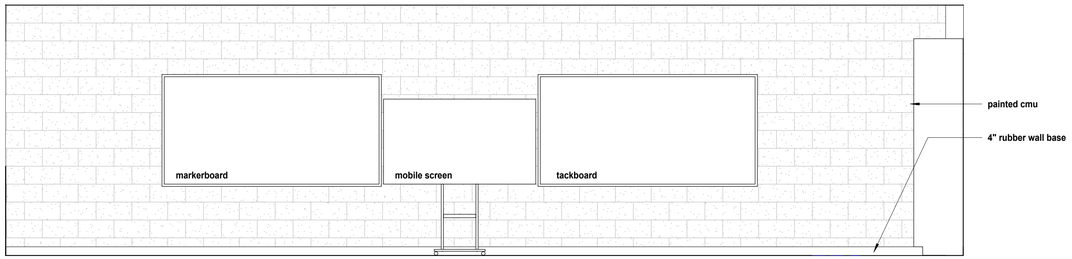


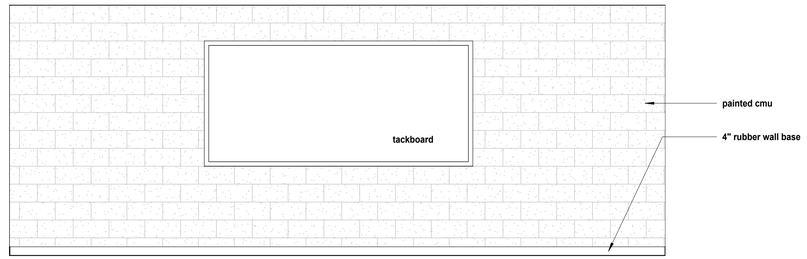
1 classroom millwork - typical
3/8" = 1'-0"



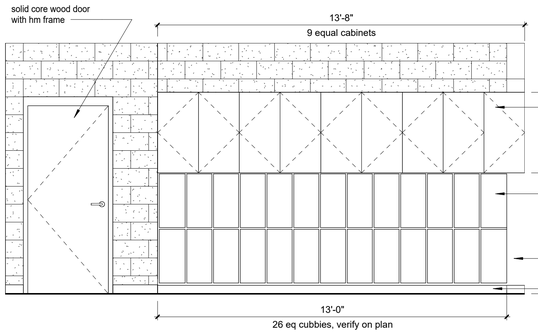
2 classroom back wall - typical
3/8" = 1'-0"



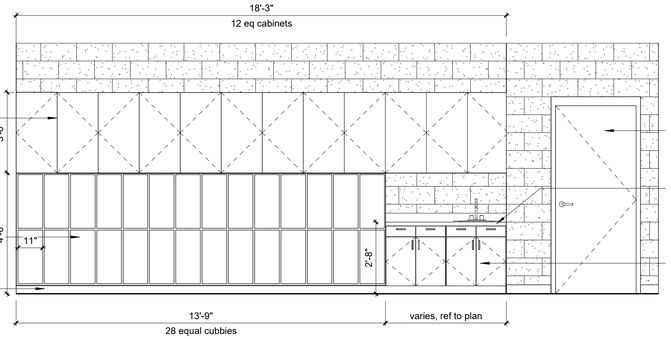
3 classroom teaching wall - typical
3/8" = 1'-0"



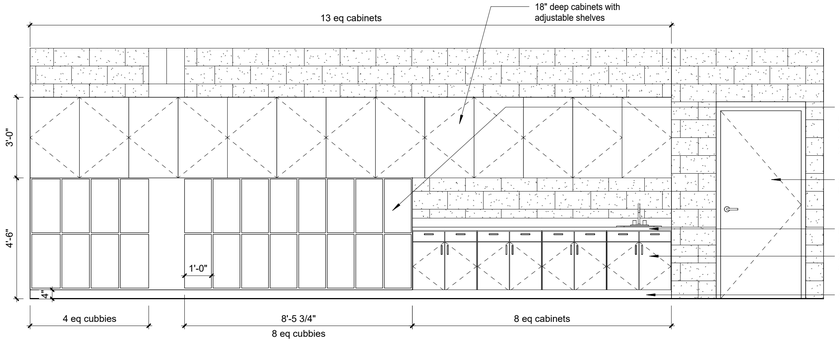
4 classroom windows - typical
3/8" = 1'-0"



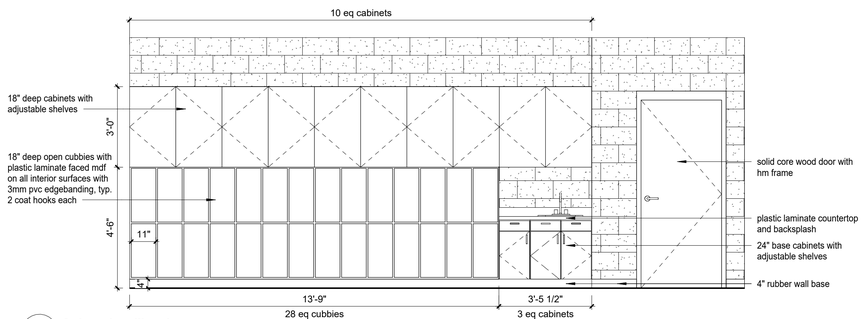
5 pre-k sped millwork
3/8" = 1'-0"



6 kindergarten sped millwork
3/8" = 1'-0"



7 kindergarten millwork
3/8" = 1'-0"



8 3rd grade millwork
3/8" = 1'-0"

date issued:	Issue Date				

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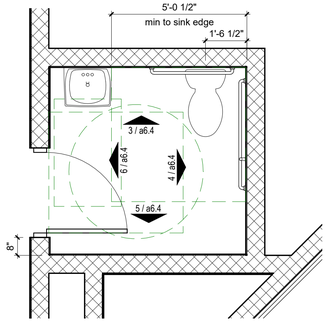
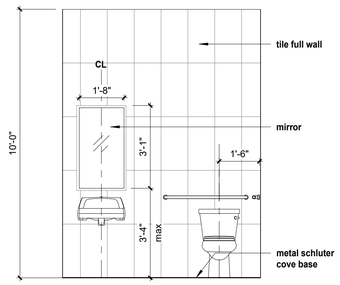
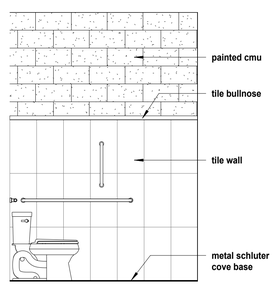
a6.3



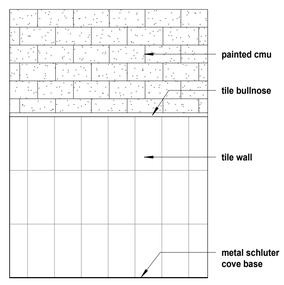
2 enlarged restroom
3/8" = 1'-0"



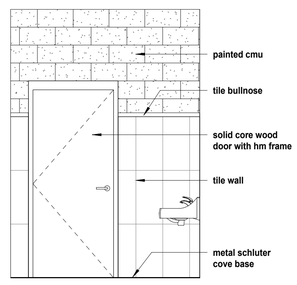
3 restroom wet wall
3/8" = 1'-0"



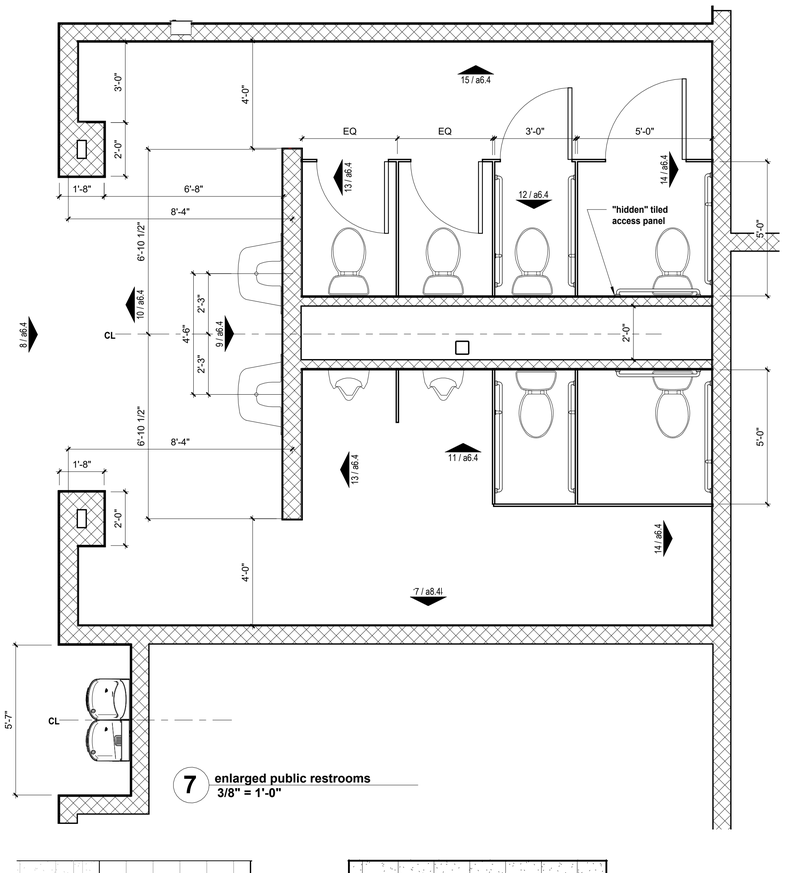
4 restroom side wall
3/8" = 1'-0"



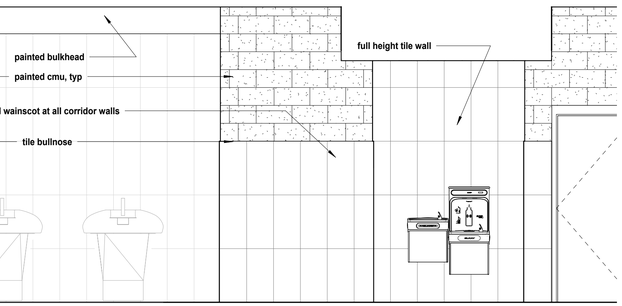
5 restroom back wall
3/8" = 1'-0"



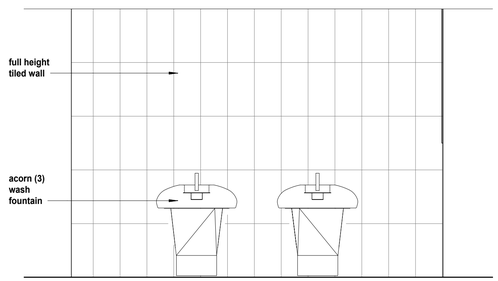
6 restroom entry wall
3/8" = 1'-0"



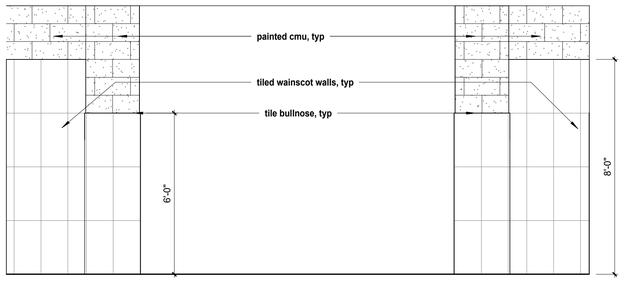
7 enlarged public restrooms
3/8" = 1'-0"



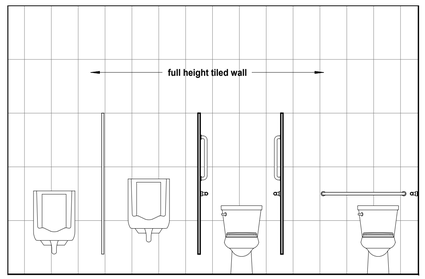
8 public restroom entry
3/8" = 1'-0"



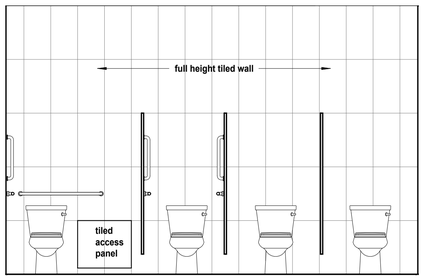
9 public restroom sinks
3/8" = 1'-0"



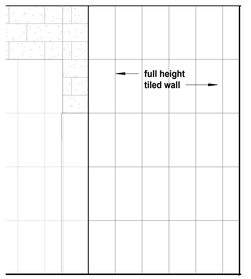
10 public restroom
3/8" = 1'-0"



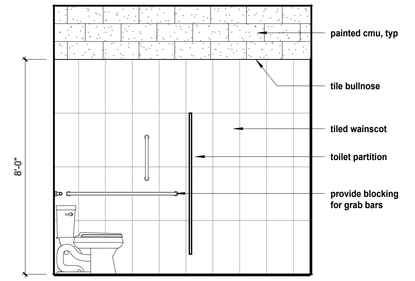
11 public restroom - men's
3/8" = 1'-0"



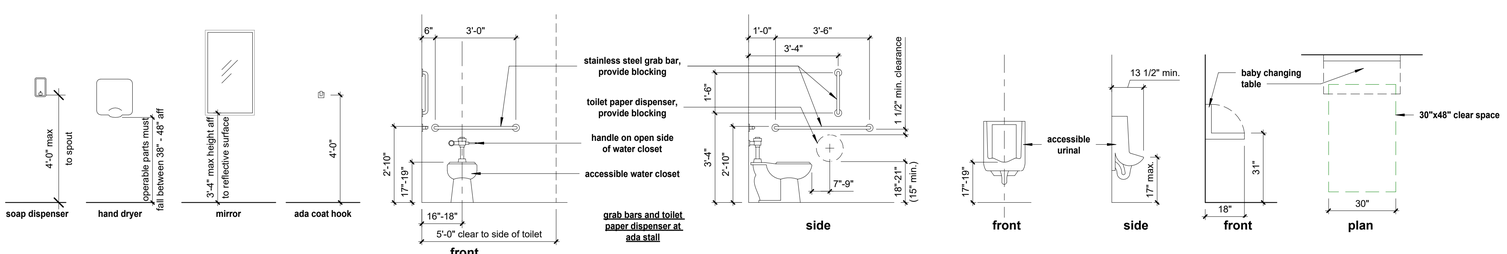
12 public restroom - women's
3/8" = 1'-0"



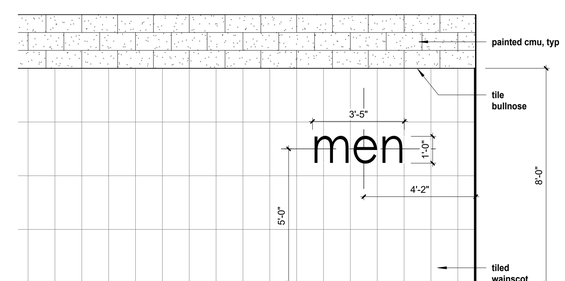
13 public restroom entry wall
3/8" = 1'-0"



14 public restroom back wall
3/8" = 1'-0"



1 restroom standards
3/8" = 1'-0"



15 public restroom wall
3/8" = 1'-0"

date issued:	Issue Date

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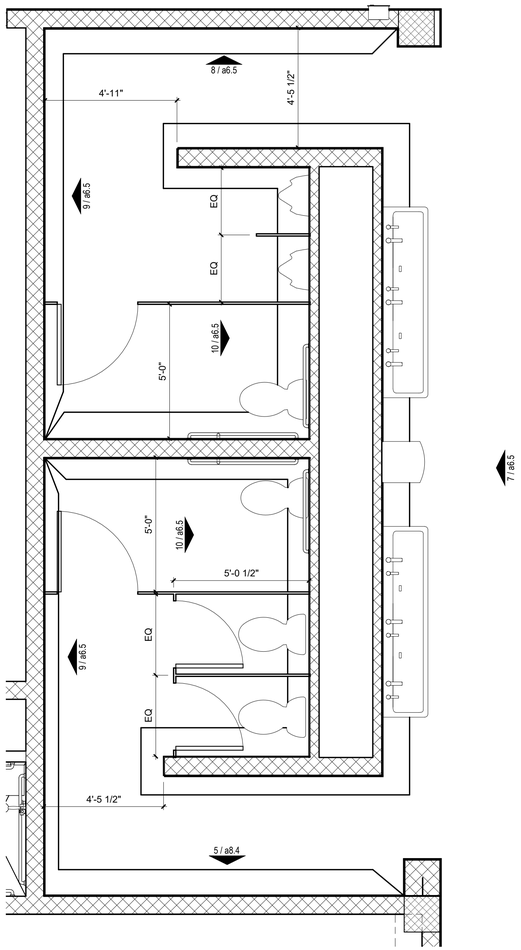
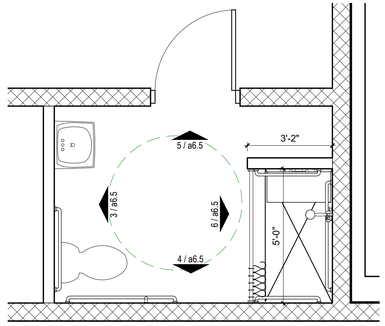
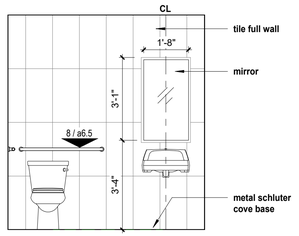


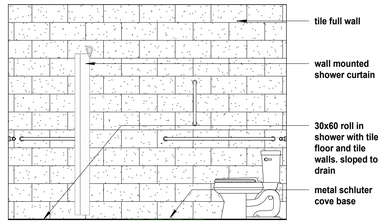
1 **enlarged public restroom**
3/8" = 1'-0"



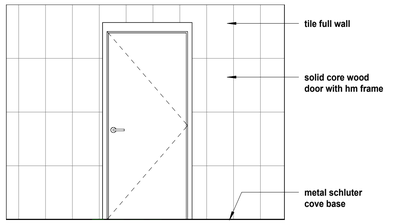
2 **enlarged shower room**
3/8" = 1'-0"



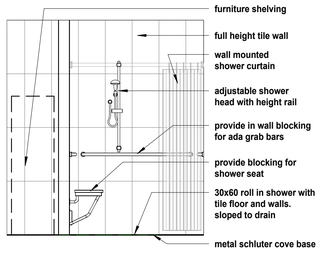
3 **shower room wet wall**
3/8" = 1'-0"



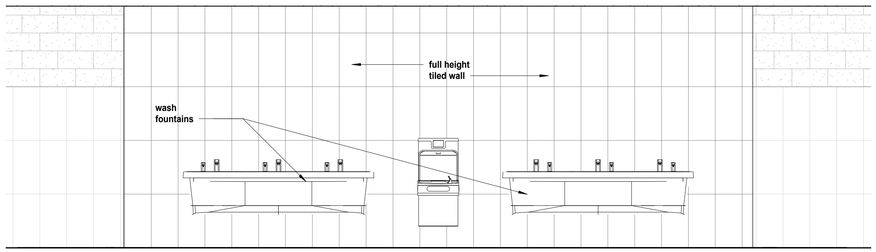
4 **shower room side wall**
3/8" = 1'-0"



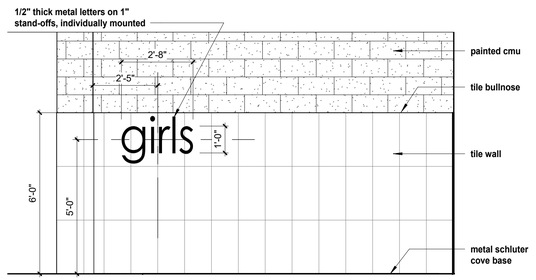
5 **shower room entry wall**
3/8" = 1'-0"



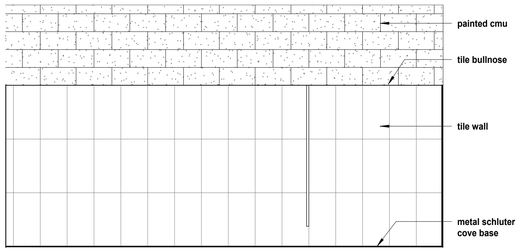
6 **shower**
3/8" = 1'-0"



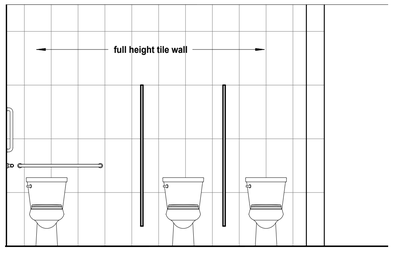
7 **restroom sink wall**
3/8" = 1'-0"



8 **side wall at restroom**
3/8" = 1'-0"



9 **side toilet wall**
3/8" = 1'-0"



10 **restroom toilet wall**
3/8" = 1'-0"

date issued:	Issue Date				

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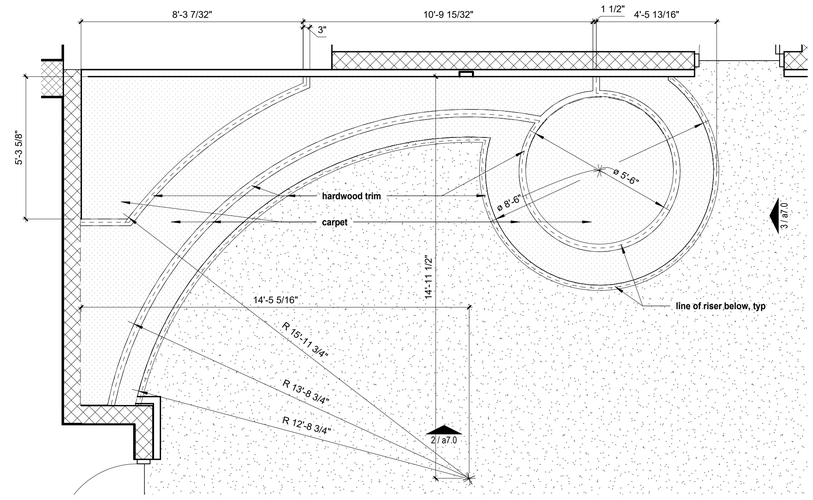
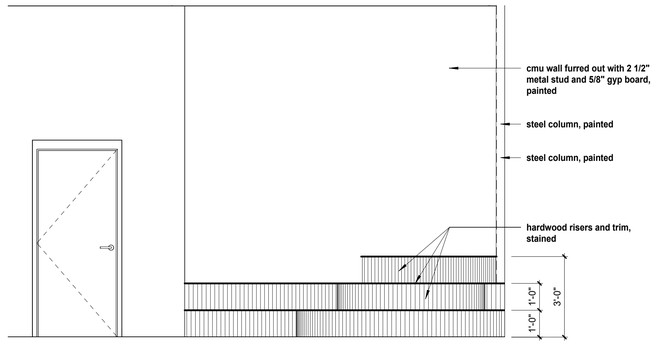
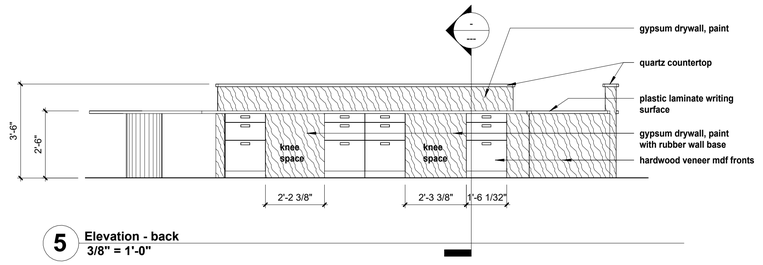


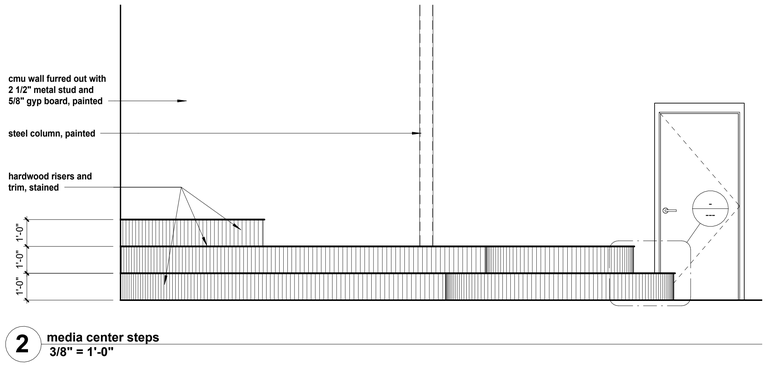
1 Level 1 - context plan (1/8") - Callout 1 - Callout 1
3/8" = 1'-0"



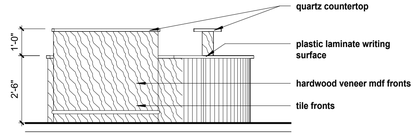
3 media center steps side
3/8" = 1'-0"



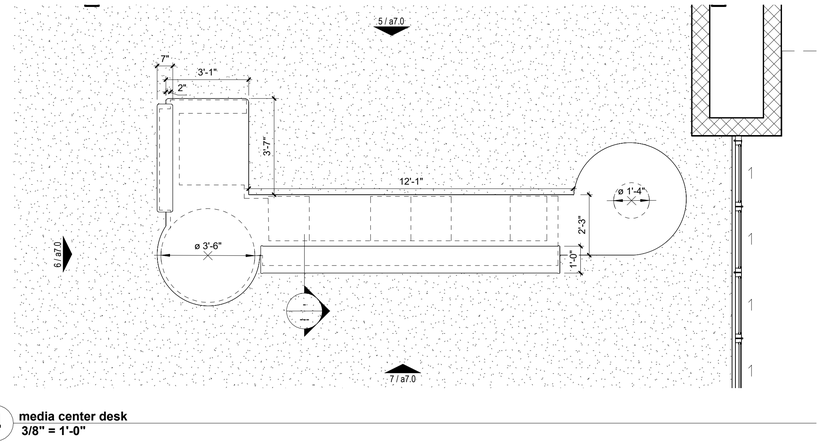
5 Elevation - back
3/8" = 1'-0"



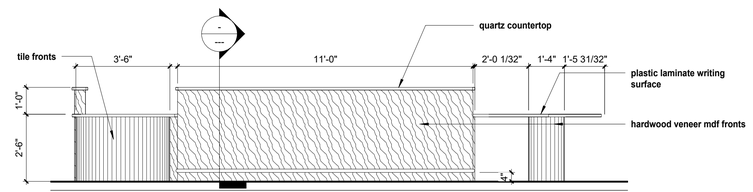
2 media center steps
3/8" = 1'-0"



6 media center reception desk side
3/8" = 1'-0"



4 media center desk
3/8" = 1'-0"



7 Elevation - front
3/8" = 1'-0"

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a7.0

Window Treatment Schedule

EPS Eisenhower Expansion P.O. #2025-21-103
Project Address

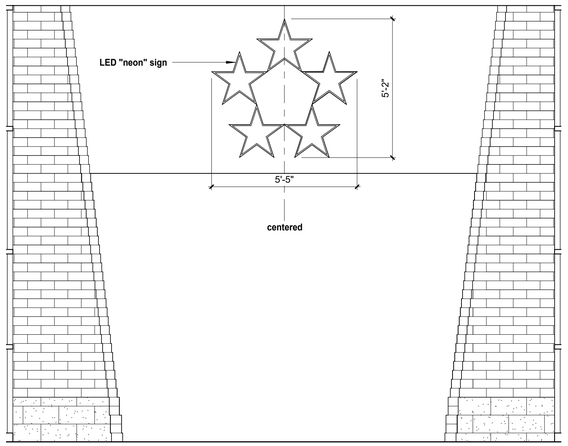
Room Names	Room Numbers	Window Size	Quantity	Type
Classrooms	12, 13, 26, 27, 29, 30, 31, 32, 34, 35, 36, 43, 44, 45, 46, 47, 48, 49, 51, 56, 57,	10'-0" w x 4'-8" h	21	A
Principal, Nurse, Classrooms	07, 10, 25, 58	5'-0" w x 4'-8" h	4	A
Media Center, Steam Lab	68, 69	varies, refer to plan	6 windows, 12 sections	B

Type A

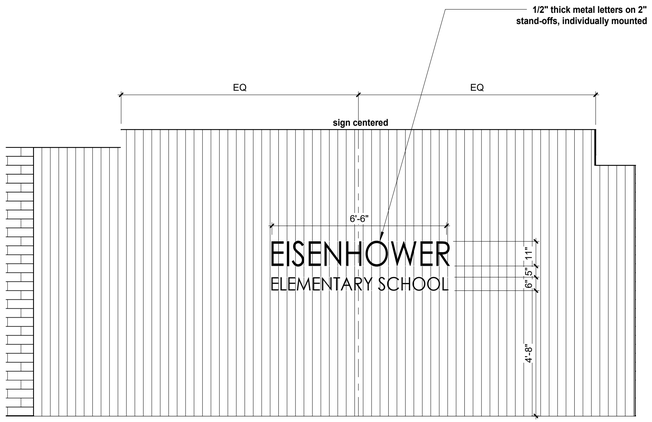
Base Spec: Hunter Douglas
RB500 Standard manual roller shade, standard bracket, inside top mount, stainless steel chain
3" bottom closer color to be chosen from manufacturer standard colors
M Screen 8503 - 3% openness - color: white/stone - sealed hembar

Type B

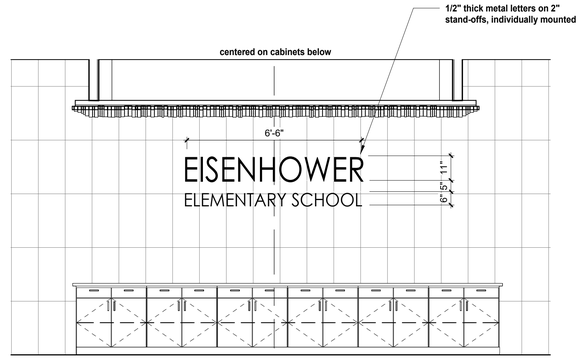
Base Spec: Hunter Douglas
RB500 Standard manual roller shade, standard bracket, inside top mount, stainless steel chain
3" bottom closer color to be chosen from manufacturer standard colors
M Screen 8503 - 3% openness - color: white/stone - sealed hembar



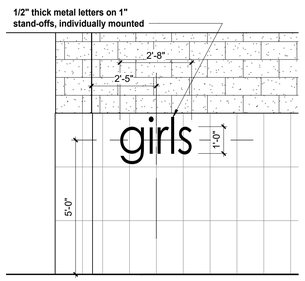
1 entry vestibule - neon signage
3/8" = 1'-0"



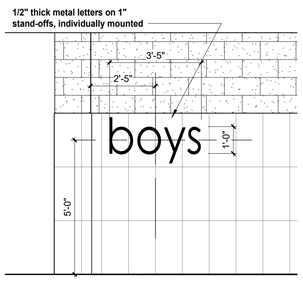
2 entry vestibule - north signage
3/8" = 1'-0"



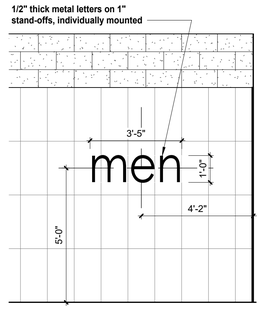
3 reception signage
3/8" = 1'-0"



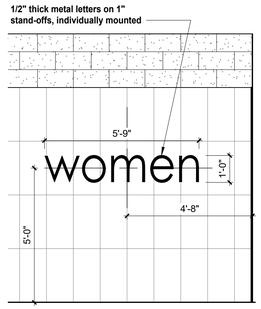
4 restroom signage - girls 39 & 55
3/8" = 1'-0"



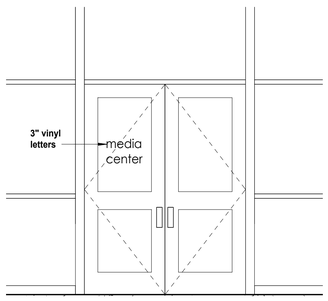
5 restroom signage - boys 40 & 54
3/8" = 1'-0"



6 restroom signage - men 78 & 80
3/8" = 1'-0"



7 restroom signage - women 77 & 79
3/8" = 1'-0"



8 media center signage
3/8" = 1'-0"

ADA Room Signage Schedule

EPS Eisenhower Expansion P.O. #2025-21-103
Project Address

Base Spec: Best Sign Systems

Style: Lucent
1/4" rectangle, matte clear acrylic with background color dark to match school color, white raised text and character color, applied with VFT tape

Location	Quantity
nurse, conference, mep/riser rooms, pantry, storage, mep/electrical, teacher's work room, records, music storage, library storage, gymnasium storage, mep, kitchen	1 each
private restrooms	8
public restrooms (boys, girls, men, women)	2 each
gymnasium/storm shelter	2
shower room	2
wash room	2

Style: Lucent with paper insert
1/4" rectangle, matte clear acrylic with background color dark to match school color, white raised text and character color, applied with VFT tape

Location	Quantity
principal	1 each
office	5
classroom	23
flex classrooms	2

Exterior Signage:

- Northwest Exterior Signage
  1. 20' x 4" masonry wall with metal exterior back lit letters "Eisenhower Elementary"
- North Curved Wall Exterior Signage
  1. 50' curved masonry wall with metal letters mounted directly to masonry lit by ground up lights "Eisenhower Elementary"

Finish Schedule

EPS Eisenhower Expansion P.O. #2025-21-103
Project Address

PAINT

reference no.	description	manufacturer	color name	color no	sheen @ walls	Sheen @ ceilings & bulkheads	Installation Instructions	general notes
pt-01	general paint color at walls and bulkheads	Benjamin Moore	Nature's Essentials	1521	eggshell	eggshell		
pt-02	accent paint color at open office and conference room	Sherwin Williams	-	-	eggshell	eggshell		
pt-03	metal door frame	Sherwin Williams	Iron Ore	7068	satin			

CEILING TILE

reference no.	description	manufacturer	type	style	size	color	suspension system	installation instructions
act-01	general acoustical ceiling tile	armstrong	ultima high NRC	15/16" tegular	24x24	white	prelude	refer to manufacturer's install instructions
act-02	acoustical ceiling tile at kitchen	armstrong						
act-03	acoustical ceiling tile at reception and steam	armstrong			linear			

CARPET TILE

reference no.	description	manufacturer	type	style	color	size	notes	install method
cpt-01	carpet tile at office and conference room	Patcraft	modular	patina	-	12x48		-
cpt-02	carpet tile at classrooms	Patcraft	modular	nocturne	-	12x48		-

TILE

reference no.	description	manufacturer	series	color	size	joint size	grout color	general notes
t-01	general tile at entry and corridors	wausau terrazzo tile	sesto polished	-	24x24	1/16" max	Mapei Flex Seal	
t-02	entry vestibule tile	wausau terrazzo tile - sanded finish	sesto brushed	-	24x24	1/16" max	Mapei Flex Seal	
t-03	tile at corridor wainscot	Metro Surfaces	songbird	-	5x5	1/16" max	Mapei Flex Seal	
t-04	tile at kitchen	Metro Surfaces	songbird		5x5	1/16" max	Mapei Flex Seal	
t-05	tile at serving wall	Tilebar	Wabi Sabi	crimson red	1.5x9	1/16" max	Mapei Flex Seal	
t-06	accent tile at restrooms	tilebar	curve	fluted red 3d	6x12	1/16" max	Mapei Flex Seal	
t-07	tile at restrooms - floor and walls	Metro Surfaces	Canal Street		24x48	1/16" max	Mapei Flex Seal	
t-08	tile at reception	Tilebar	Kai		4" stacked	-	Mapei Flex Seal	
t-09	tile at showers	daltile		1x1 mesh				

resinous matrix terrazzo flooring

reference no	description	color						
tz-01								
tz-02								
tz-03								

resilient flooring

reference no	description	manufacturer	series	color	size	installation method	**no floor finish transitions needed between new carpet and new lvt. **Finish transition needed only at new floor vs. old floor. use rubber transition to match wall base color. **Finish transition between LVT and tile to be Schluter Reno-U satin anod. alum.	
lvt-01	luxury vinyl tile at work rooms	Patcraft	Surface Tone	Cinder	18x36	ashlar		
lvt-02		Patcraft	Surface Tone	porcelain	18x36	ashlar		
rf-01	kitchen sheet flooring	altro	altro classic 25	midnight	sheet with welded seams	-		
mpf-01	multipurpose flooring at gymnasium	mondo usa	Advnace 8mm		roll			
mpf-02	multipurpose flooring at gymnasium - accent	mondo usa	Advnace 8mm		roll			

STONE

reference no.	description	distributer/manufacturer	type	color	size	thickness	finish	edge
st-01	Countertop at reception desk	Cambria USA	quartz	cambrian black	vif	3 cm	polished	straight edge with mitered corners
st-02	window sills	wilsonart	solid surface	hidden space 9227SS	vif	standard	polished	straight with eased edges

PLASTIC LAMINATE

reference no	description	manufacturer	color name/no	finish	edge trim/style
plam-01	typical countertops unless otherwise noted	Wilsonart	Blackbird 5024k-19	Leno Weave Finish	PVC edgebanding to match surface pattern

WALL BASE

reference no.	description	manufacturer	color name	type	material	size
wb-01	typical project wall base unless otherwise noted	roppe		traditional standard tow	rubber	4"

WOOD TYPES

wood type and stain to match designer's samples

ACOUSTICAL CLOUDS & WALL PANELS

reference no.	description	manufacturer	series	color	size	installation
a-01	acoustical clouds at break room and open office	3Form	Clairo Clouds	cashmere	48x48	suspension cables and anchors

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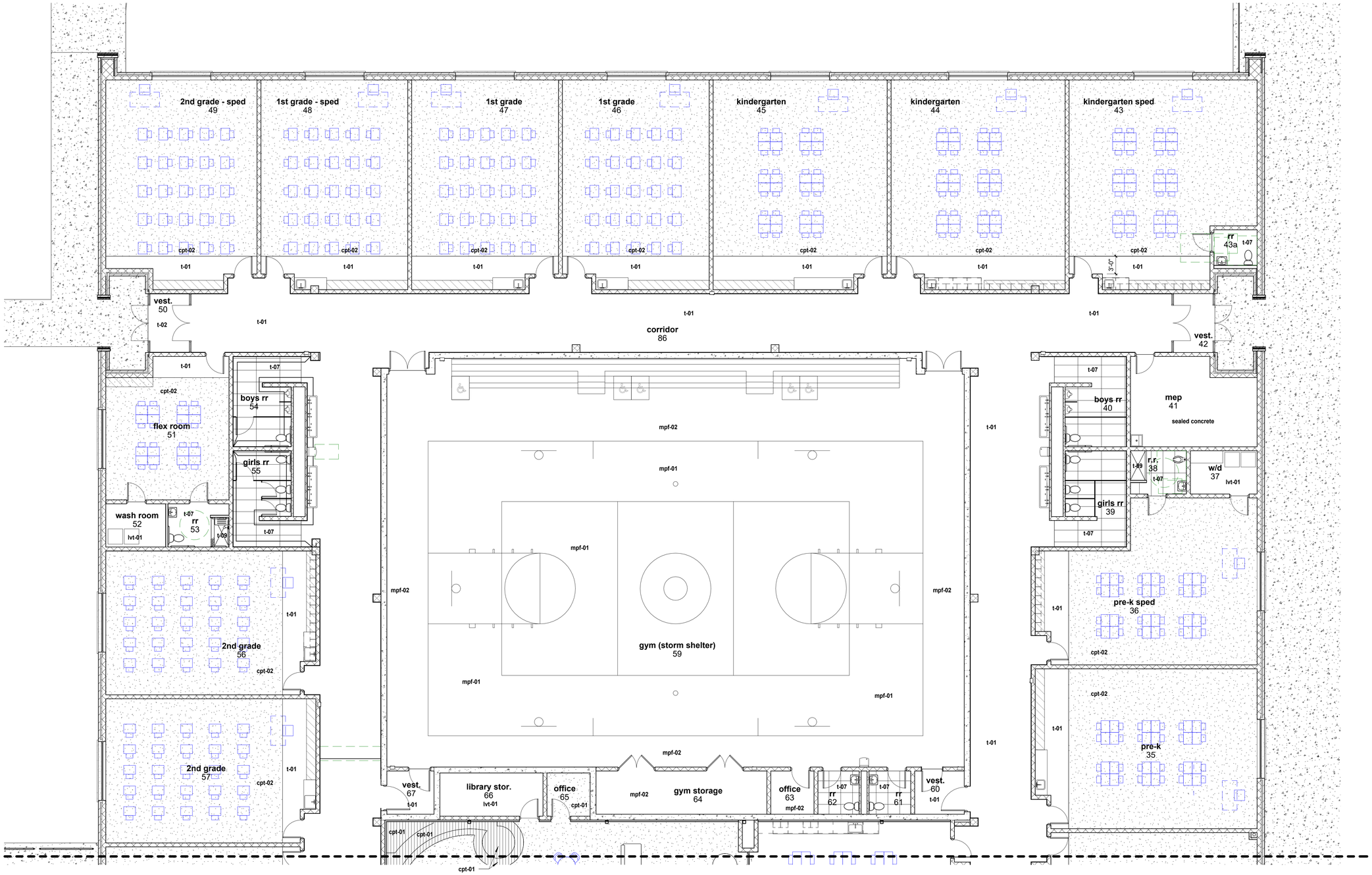
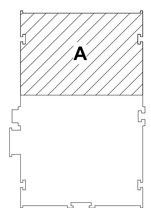


1 enlarged finish floor plan "a"
1/8" = 1'-0"



KEY PLAN

date issued:	Issue Date				

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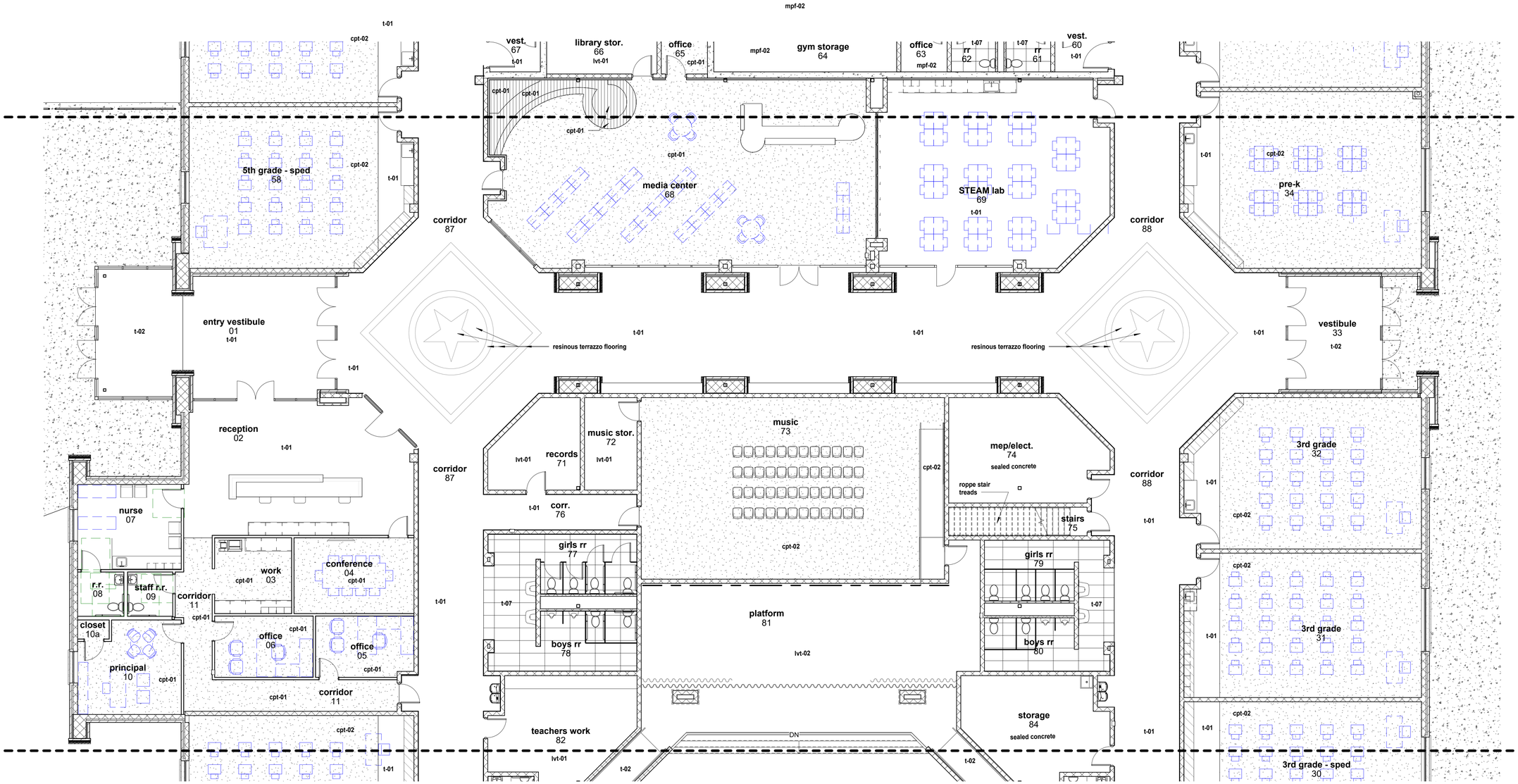
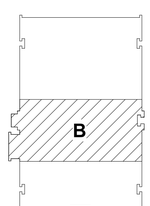


1 enlarged finish floor plan "b"
1/8" = 1'-0"



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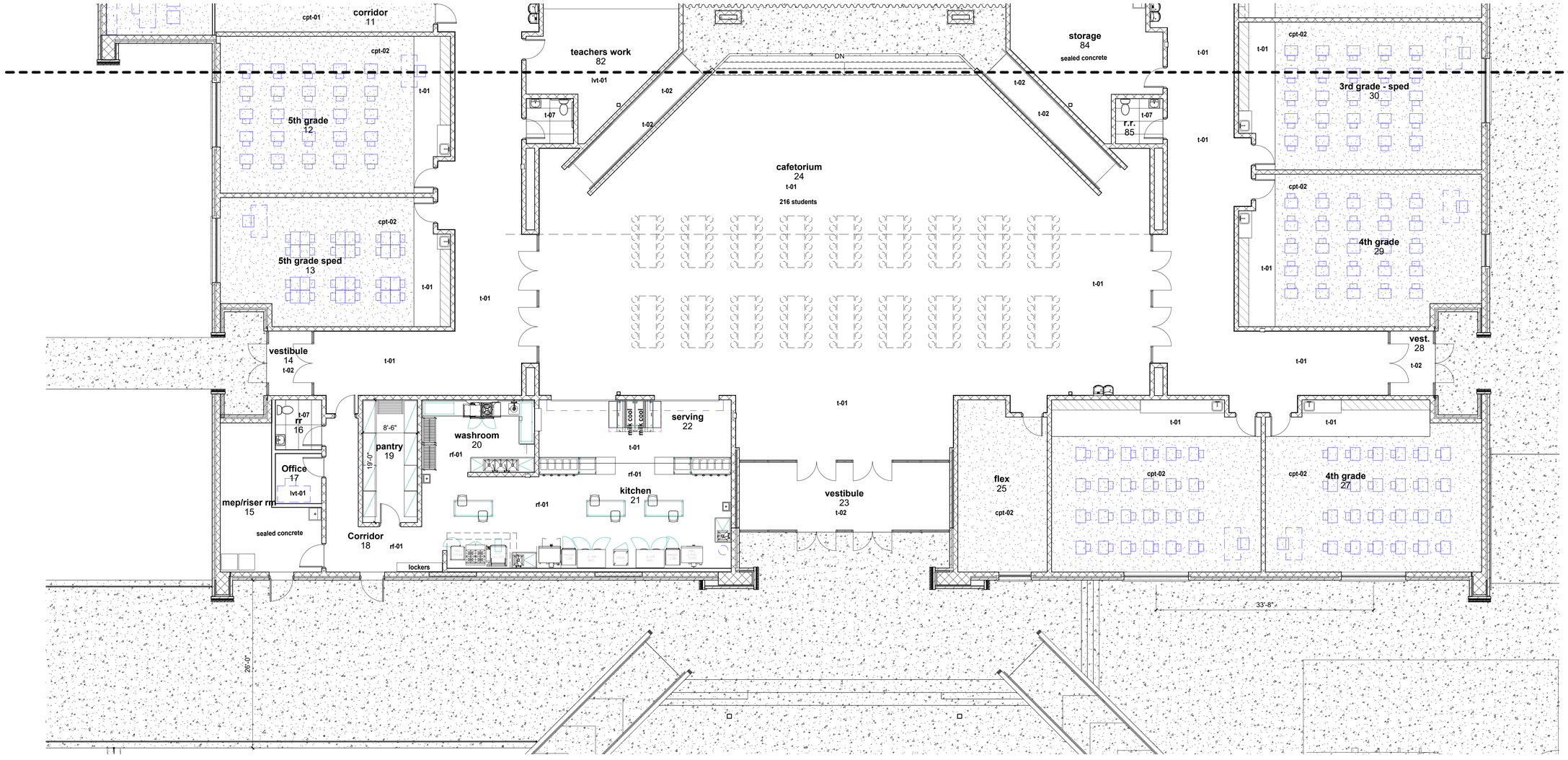
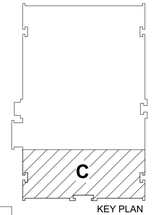


1 enlarged finish floor plan "c"
1/8" = 1'-0"



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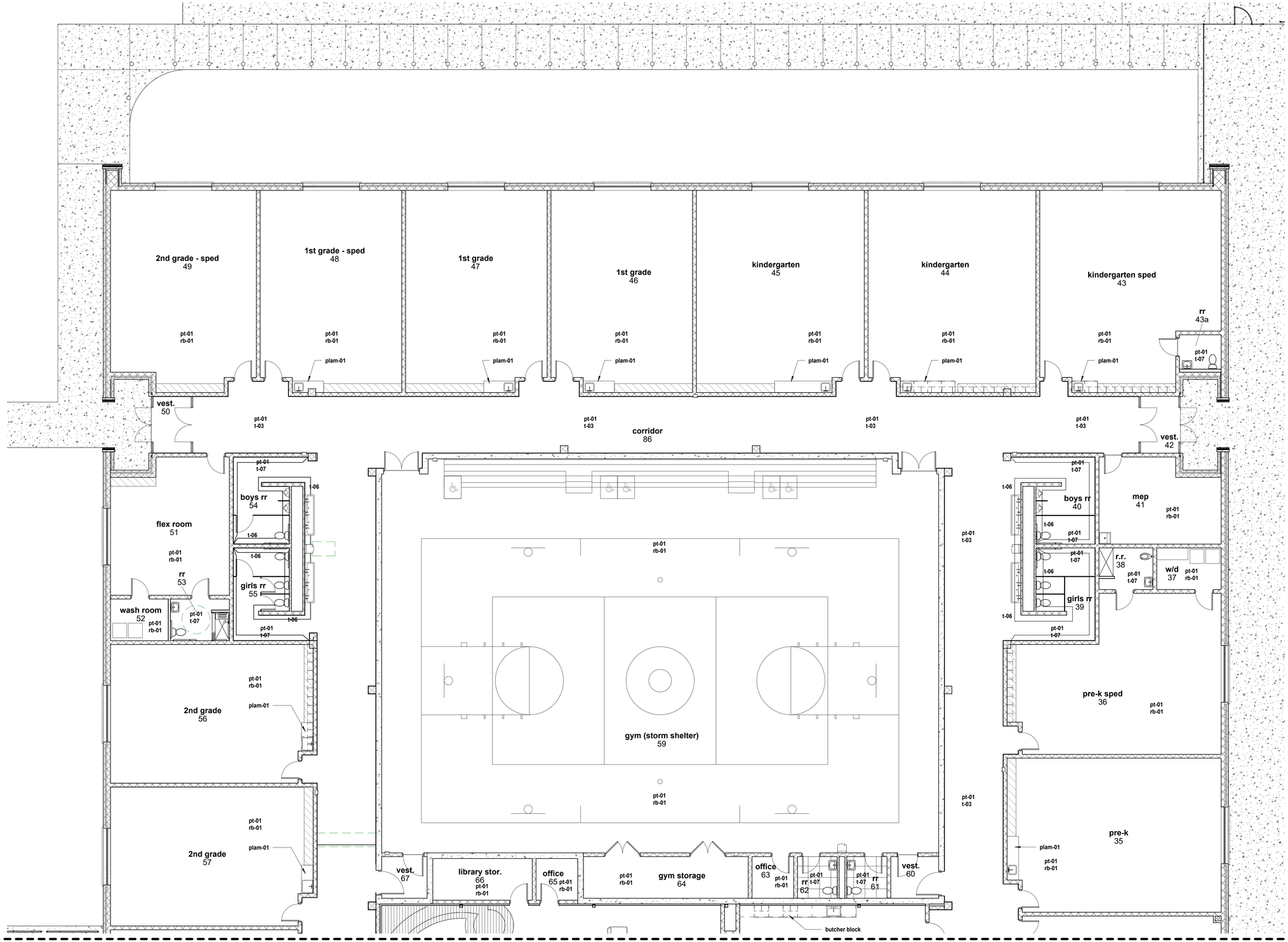
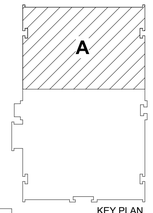


1 enlarged wall finish plan "a"
1/8" = 1'-0"



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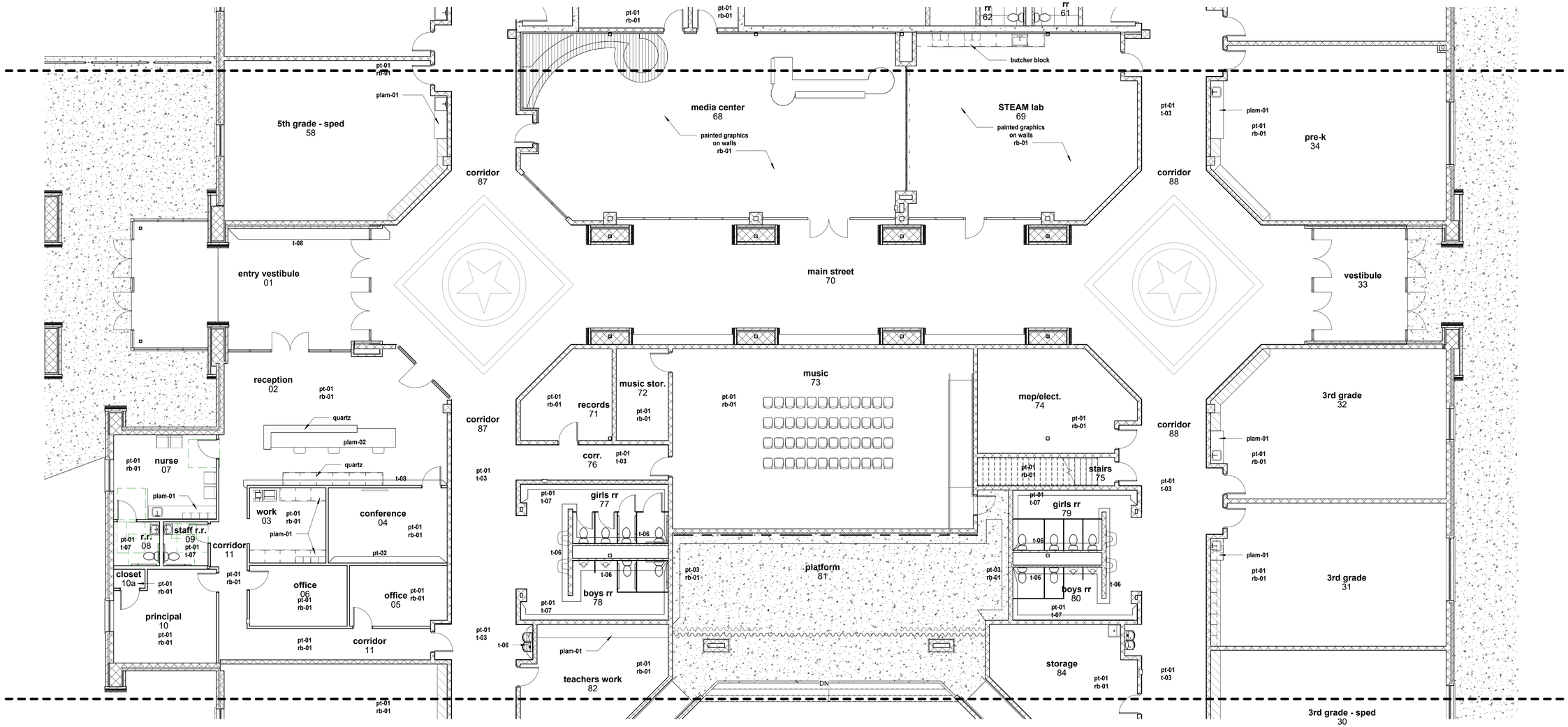
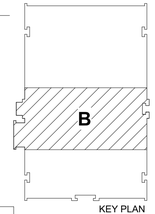


1 enlarged wall finish plan "b"
1/8" = 1'-0"



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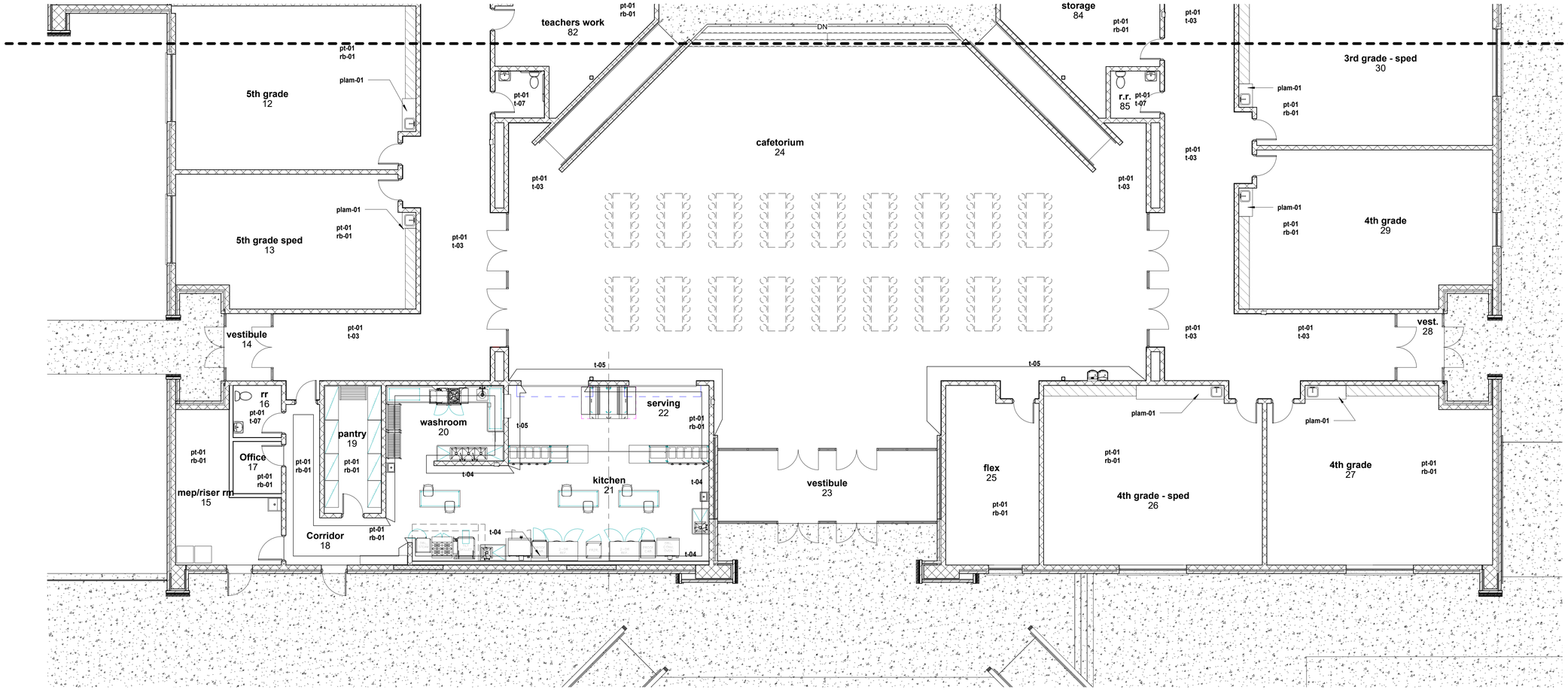
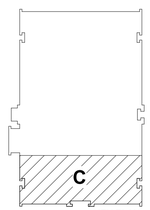


1 **enlarged wall finish plan "c"**
1/8" = 1'-0"



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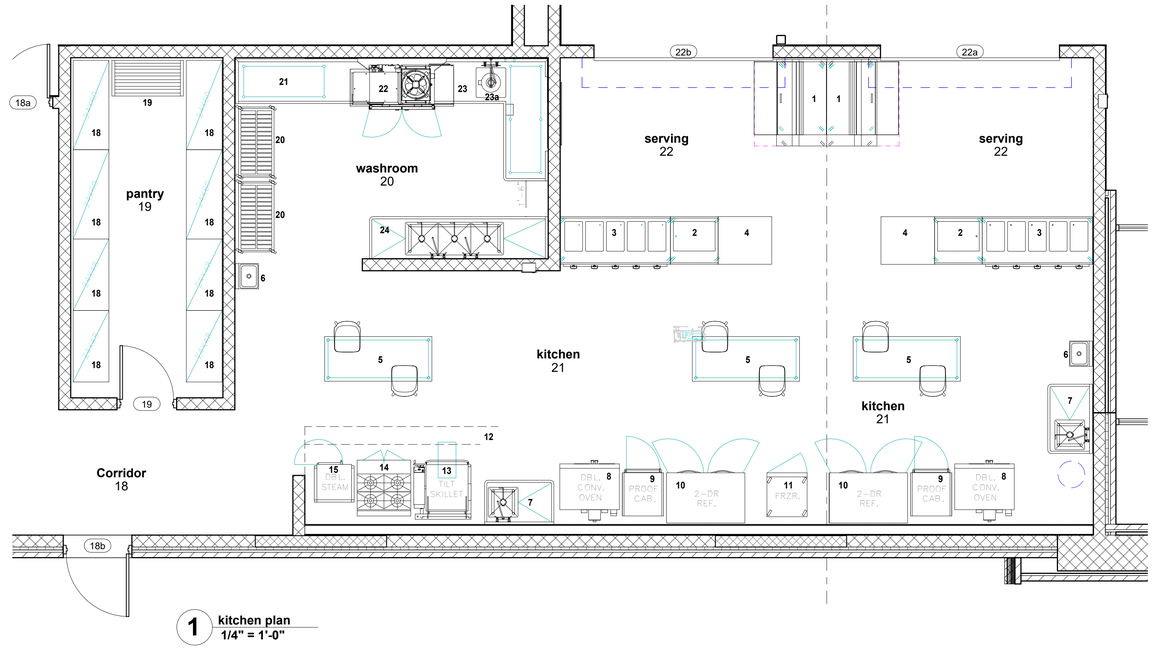
General Construction Notes:
NSF: all construction per NSF no 2 standards
COVE: all corners coved on a 3/4" radius
MEASUREMENTS: all must be verified at job site
SOUND DEADENING: between all metal surfaces

KITCHEN EQUIPMENT LIST

MANUF	MOD #	NO	QTY	ITEM	
BEVERAGE AIR	SMF58HC	1	2	MILK COOLER	
DUKE	TCM-32-N7	2	2	COLD FOOD COUNTER	
DUKE	TEHF-74	3	2	HOT FOOD COUNTER	
MRS FAB	CUSTOM	4	2	UTENSIL COUNTER	
MRS FAB	CUSTOM	5	4	30"X72" S.S. MOBILE WORK TABLE w/DRAWERS	
JOHN BOOS	PBHS-W-1410-P	6	2	HAND SINK	
MRS FAB	CUSTOM	7	2	1-COMPARTMENT SINK	
VULCAN	VC44ED	8	2	DBL CONVECTION OVEN	
METRO	C539-CFC-U	9	2	PROOFER/HOLDING CABINET	
TRUE	STA2R-2S-HC	10	2	2-DOOR REFRIGERATOR	
TRUE	T-23F-HC	11	1	SINGLE DOOR FREEZER	
CAPTIVEAIRE	CUSTOM	12	1	EXHAUST HOOD	
GROEN	BPM-30EC	13	1	TILT SKILLET	
SOUTHBEND	P36C-XX	14	1	4-BURNER RANGE	
ACCUTEMP	E6 DBL	15	1	DOUBLE STEAMER	
?	?	16	8	LOCKERS	
OLYMPIC	GREEN EPOXY	18	LOT	DRY STORAGE SHELVING	
CHANNEL	ADE2448	19	1	DUNNAGE RACK	
CAMBRO	VERIFY	20	2	48" DRYING RACK	
MRS FAB	CUSTOM	21	1	CLEAN DISHTABLE	
HOBART	CL44eN-VL	22	1	VENTLESS CONVEYOR DISHMACHINE	
MRS FAB	CUSTOM	23	1	SOILED 'L' SHAPED DISHTABLE w/PASS LEDGE	
INSINKERATOR	SS-300	23A	1	DIPOSER	
MRS FAB	CUSTOM	24	1	3-COMPARTMENT SINK	



1 kitchen plan
1/4" = 1'-0"

date issued: Issue Date

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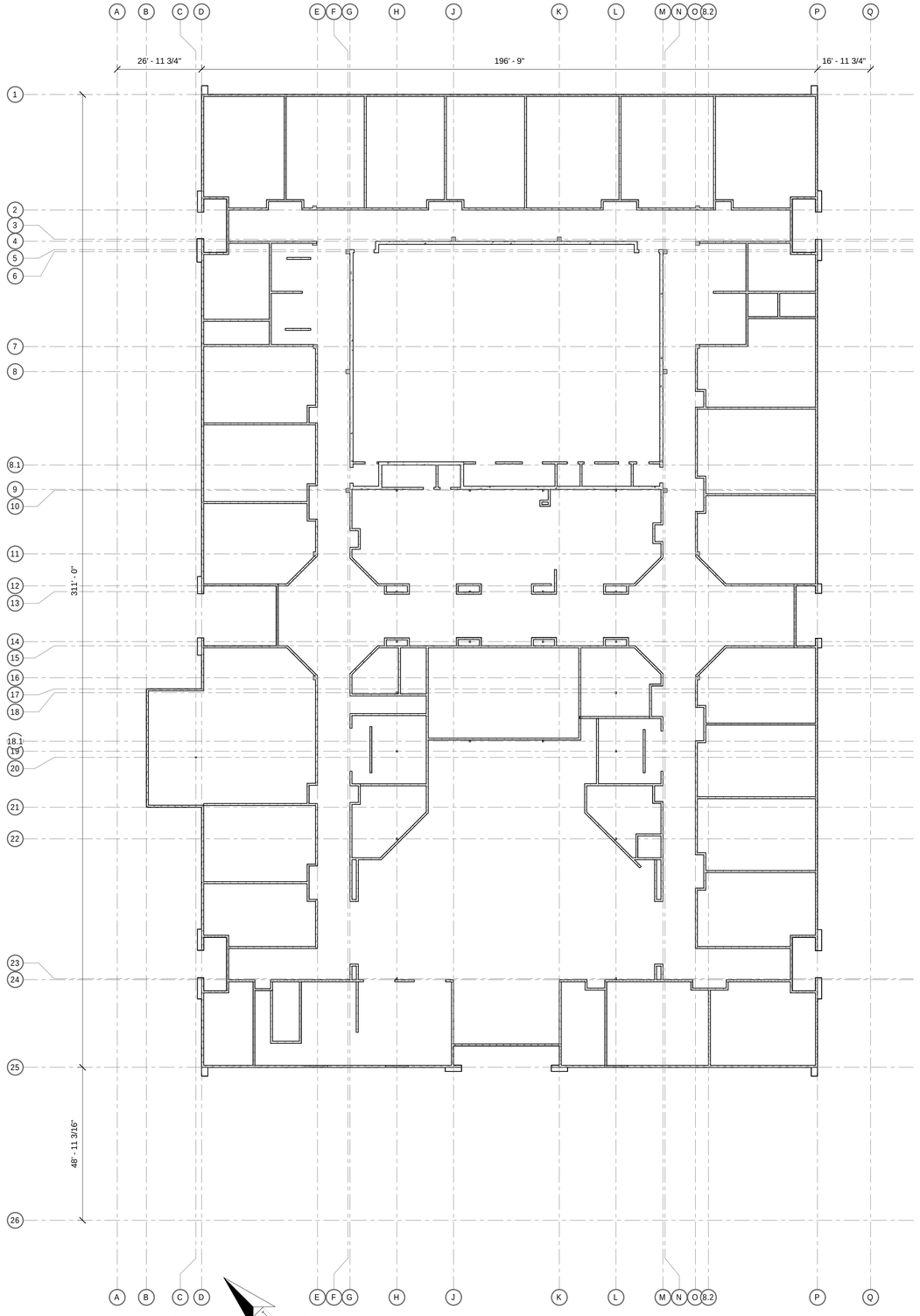
k1.0



1 OVERALL FOUNDATION PLAN
1" = 20'-0"

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date revised						

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HEG PROJECT NO.: 25.008

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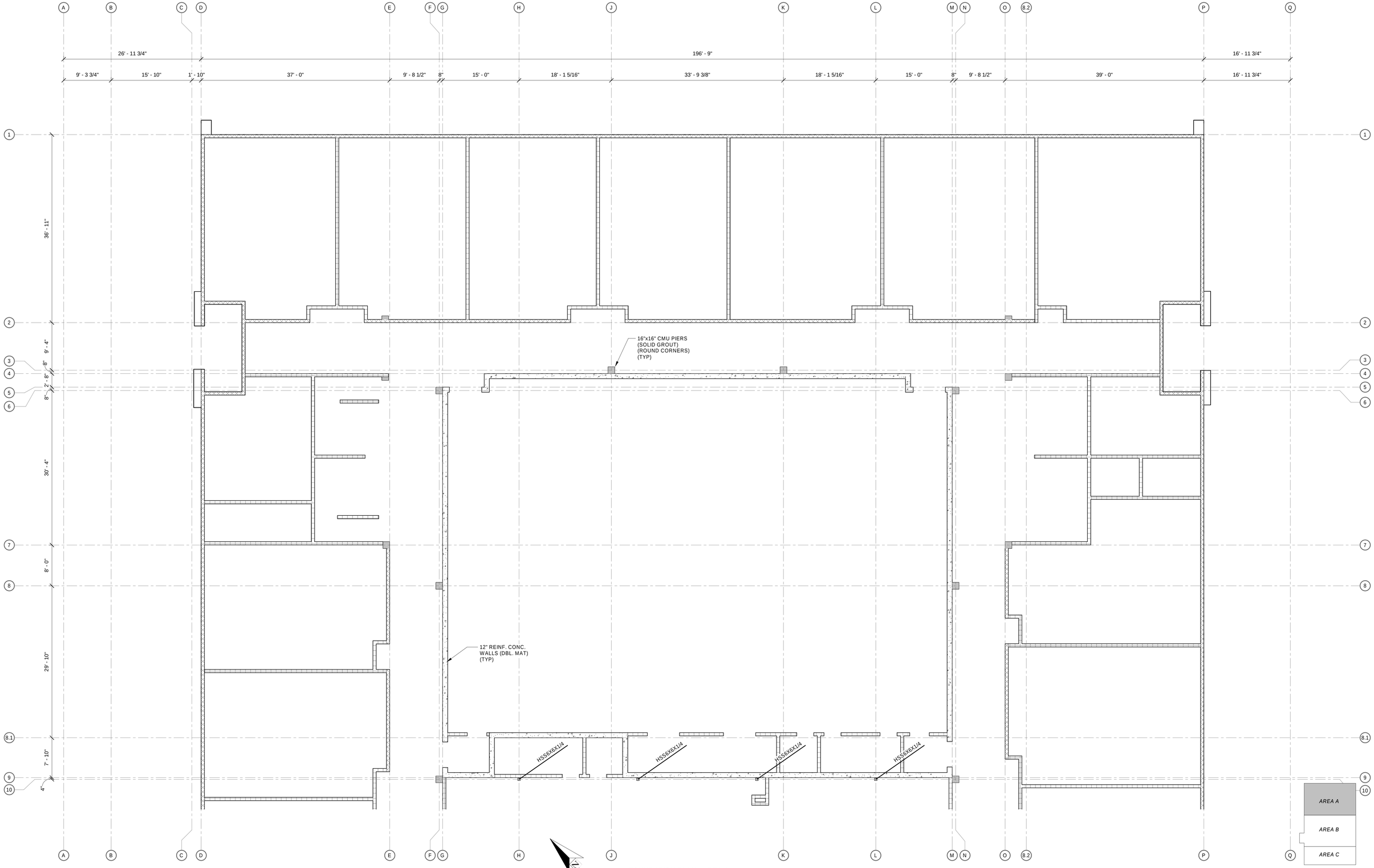
OVERALL FOUNDATION PLAN

S2.0

of XX sheet(s)

AREA A
AREA B
AREA C

KEYPLAN



1 FOUNDATION PLAN - AREA A
1/8" = 1'-0"

KEYPLAN

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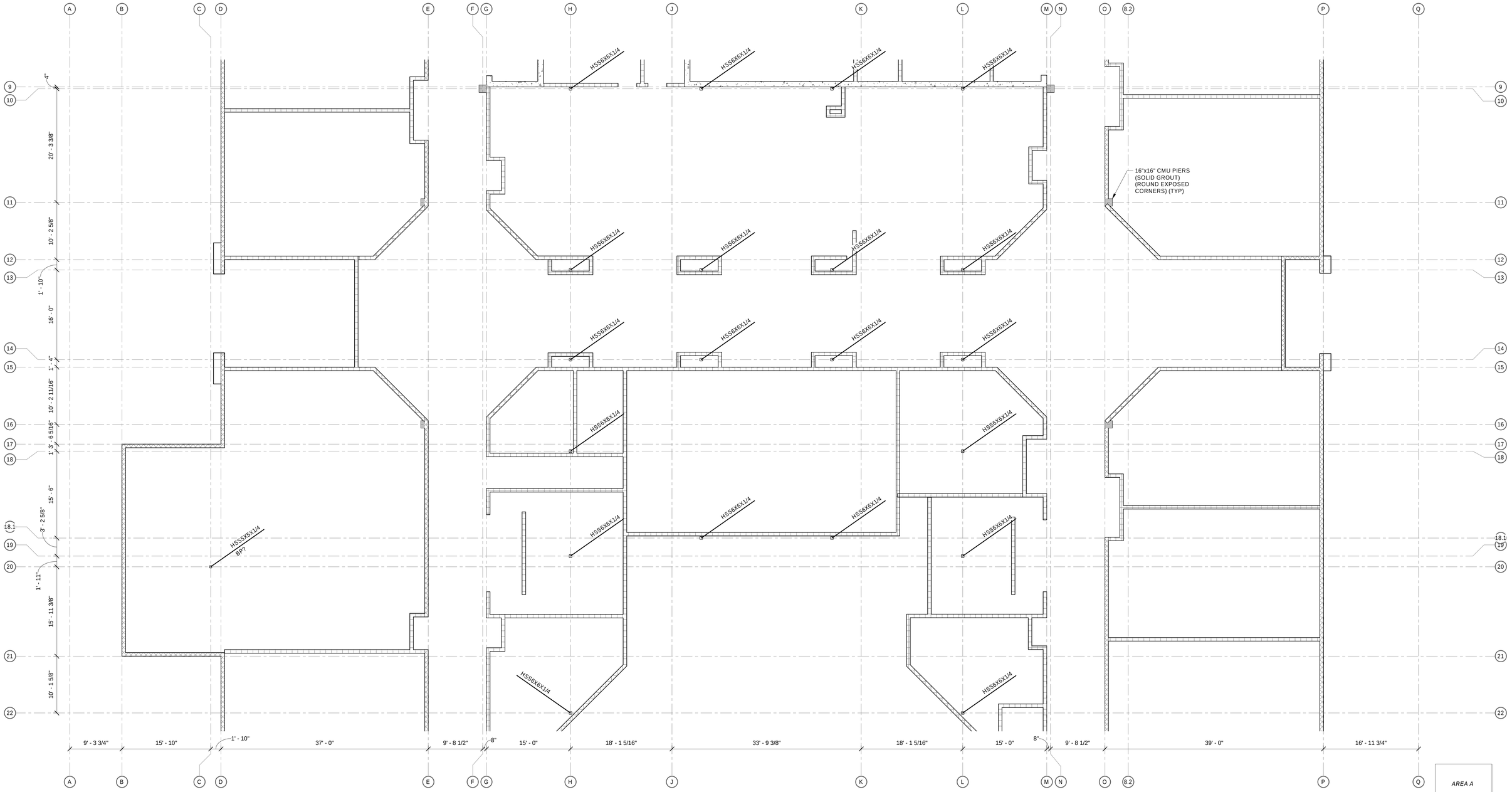
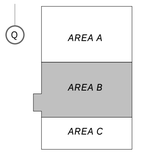
FOUNDATION PLAN - AREA A

S2.0.1

of XX sheet(s)



1 FOUNDATION PLAN - AREA B
1/8" = 1'-0"



KEYPLAN

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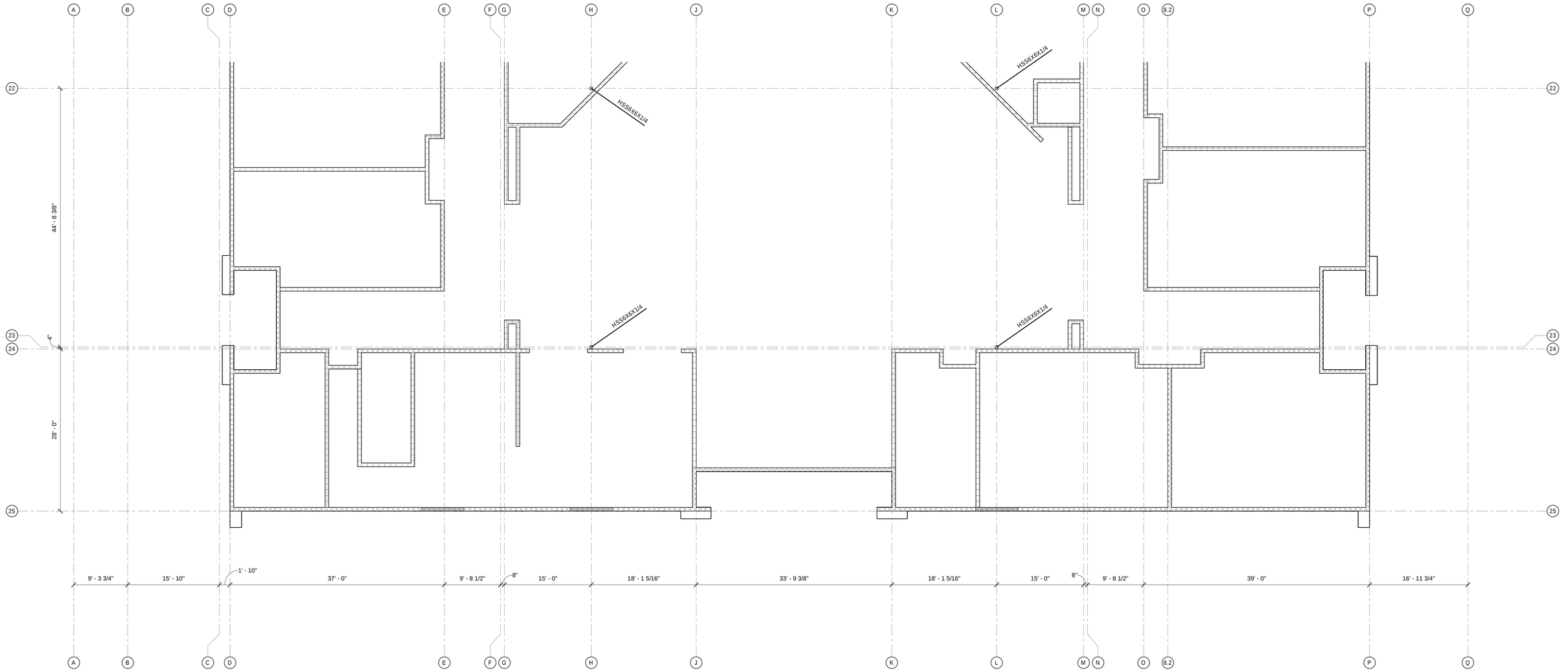
FOUNDATION PLAN - AREA B

S2.0.2

of XX sheet(s)



1 FOUNDATION PLAN - AREA C
1/8" = 1'-0"

AREA A
AREA B
AREA C

KEYPLAN

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date issued: 6/25/2025
date revised

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FOUNDATION PLAN - AREA C

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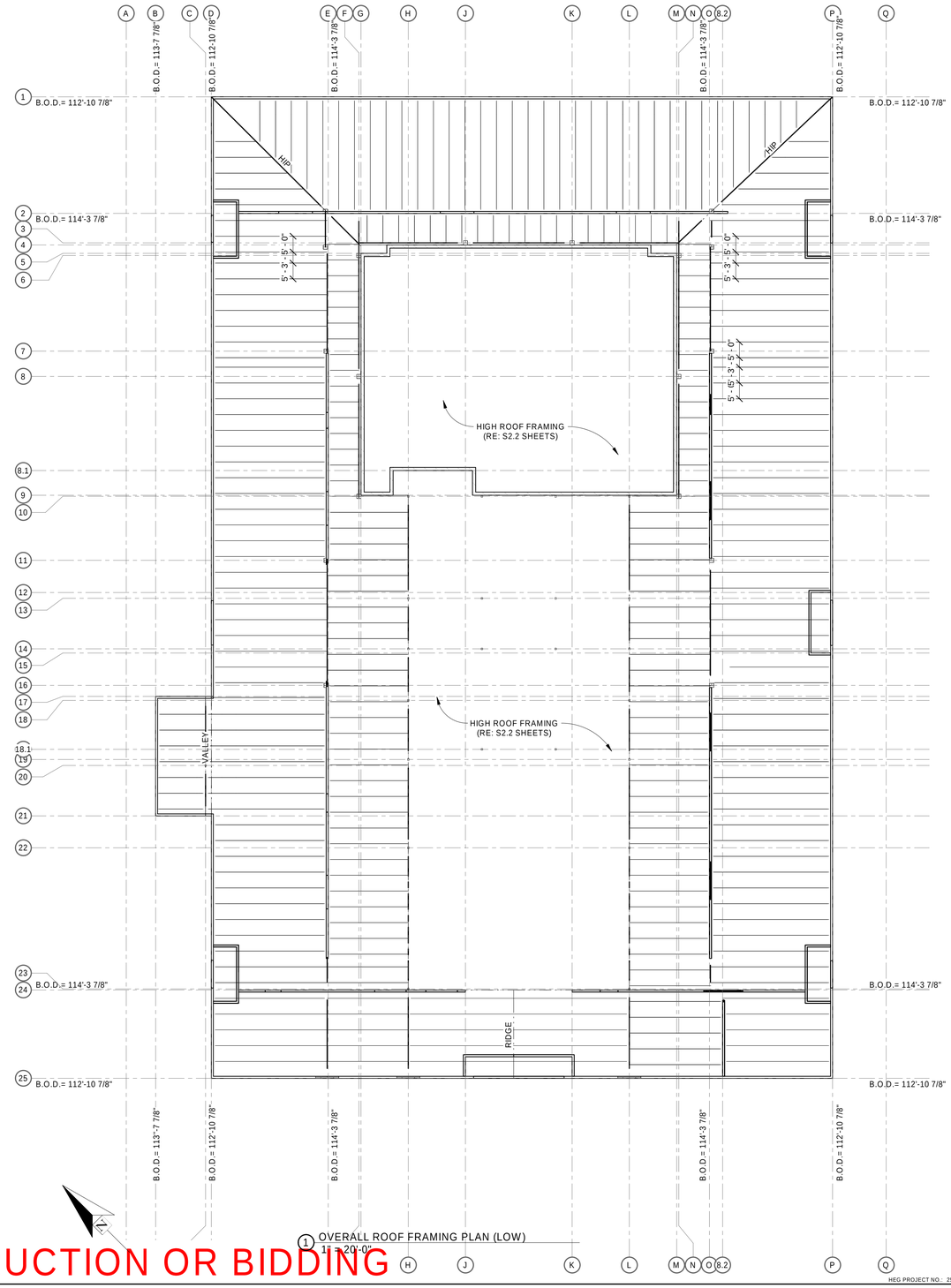

1 OVERALL ROOF FRAMING PLAN (LOW)
1/8" = 20'-0"

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

date issued: 6/25/2025						
date revised						

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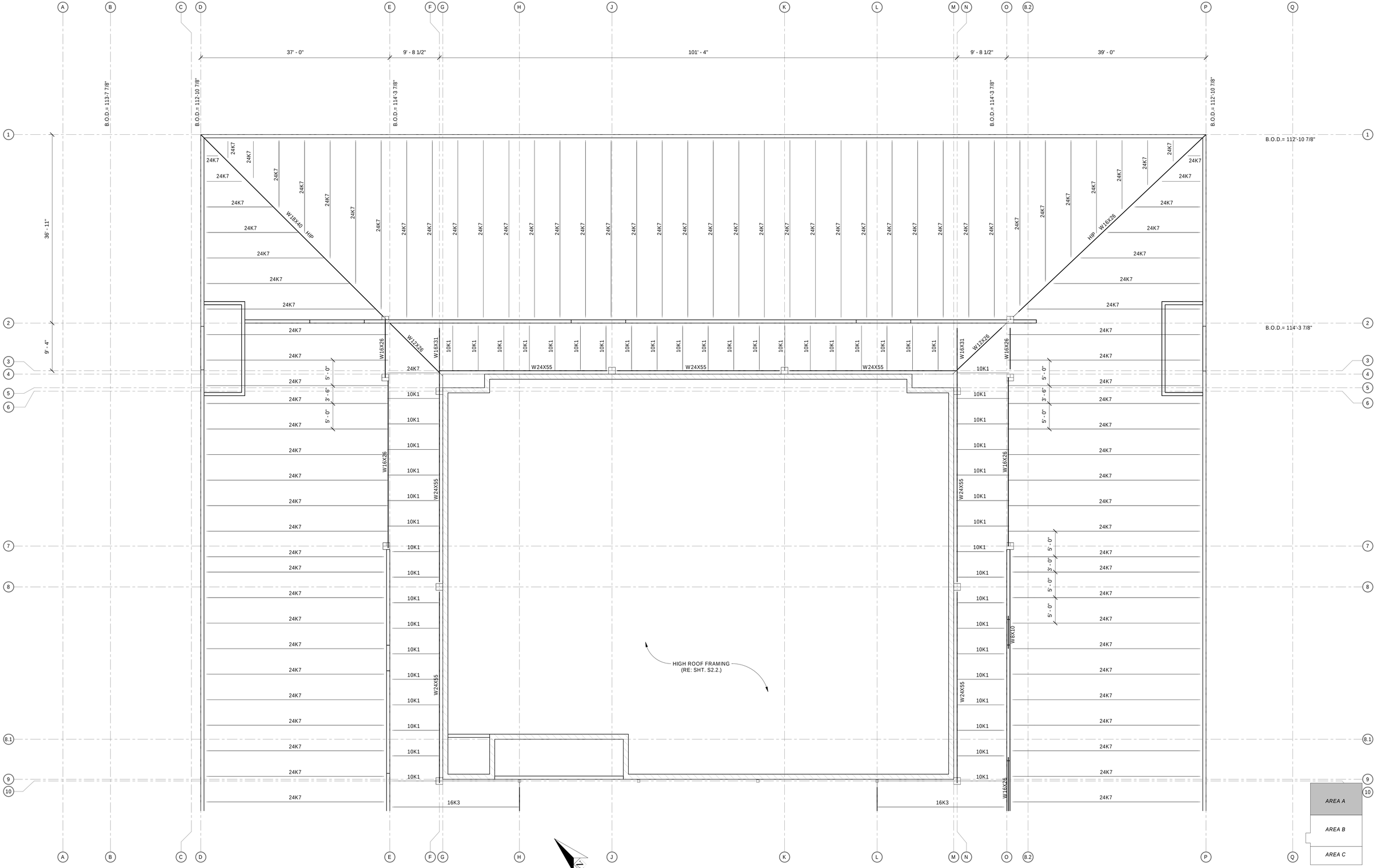
AREA A
AREA B
AREA C

KEYPLAN

OVERALL ROOF FRAMING PLAN (LOW)

S2.1

of XX sheet(s)



ROOF FRAMING PLAN (LOW) - AREA A
1/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

date issued:	6/25/2025
date revised	

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ARCHITECTURE INTERIOR DESIGN
302 NORTH INDEPENDENCE ENID, OK 73701 WWW.CORBINMERZHANEY.COM PH:(580)233-2160

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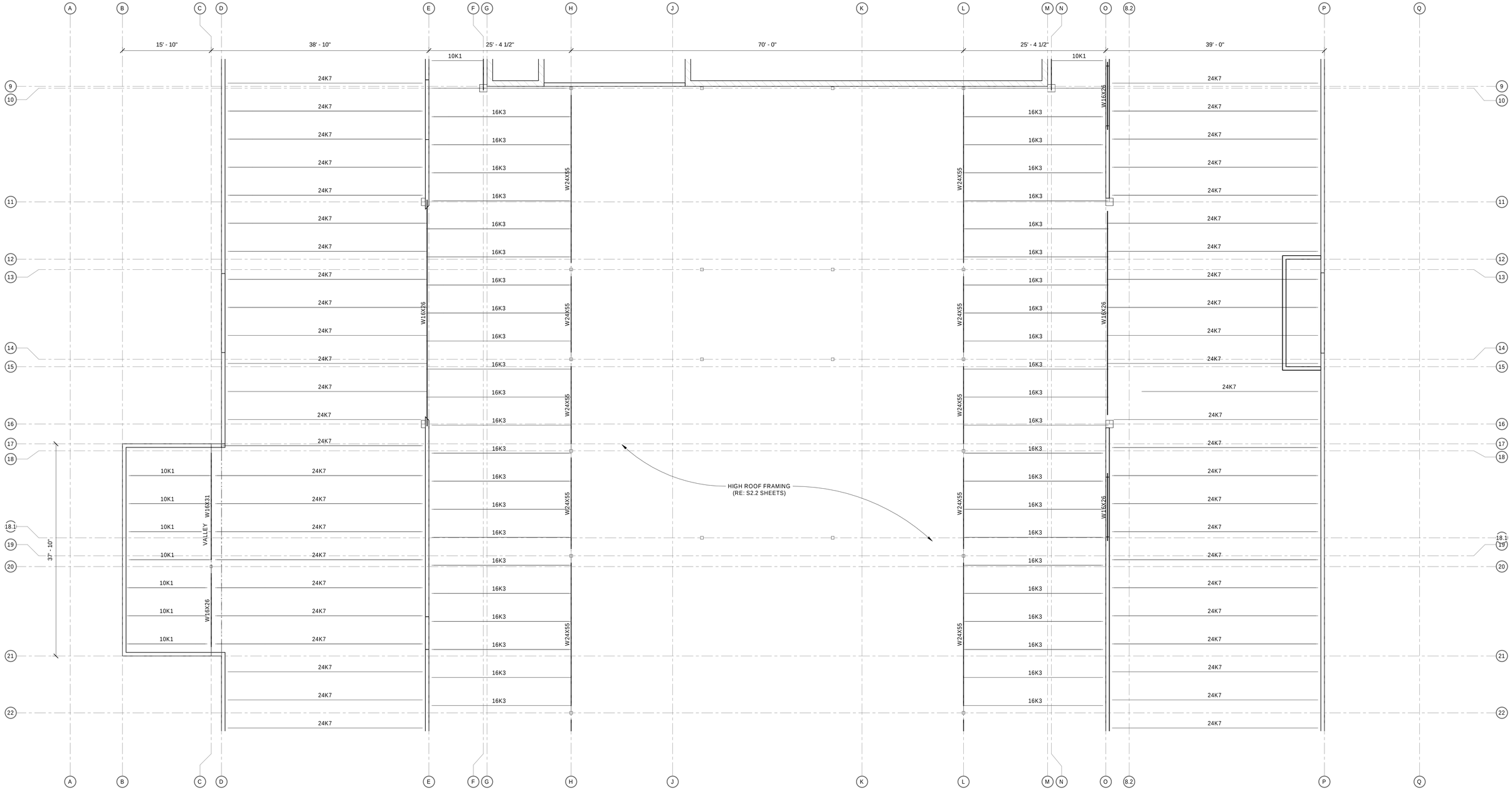
ROOF FRAMING PLAN (LOW) - AREA A

S2.1.1

of XX sheet(s)



1 ROOF FRAMING PLAN (LOW) - AREA B
1/8" = 1'-0"

AREA A
AREA B
AREA C

KEYPLAN
ROOF FRAMING PLAN (LOW) - AREA B

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

date issued: 6/25/2025						
date revised						

EPS Eisenhower Expansion P.O. #2025-21-103

1301 w fox drive, enid, oklahoma 73703

HOLTZEN ENGINEERING GROUP
C.A. #7050 EXP. 6/30/27
302 N. INDEPENDENCE ST. STE. 1100
ENID, OK 73701
P: 580.233.8533 F: 580.540.8906
www.HoltzenEngineering.com

HEG PROJECT NO.: 25.008

CORBIN ◆ MERZ ◆ HANEY
ARCHITECTURE INTERIOR DESIGN
302 NORTH INDEPENDENCE ENID, OK 73703 WWW.CORBINMERZHANEY.COM PH: (580)233-2702

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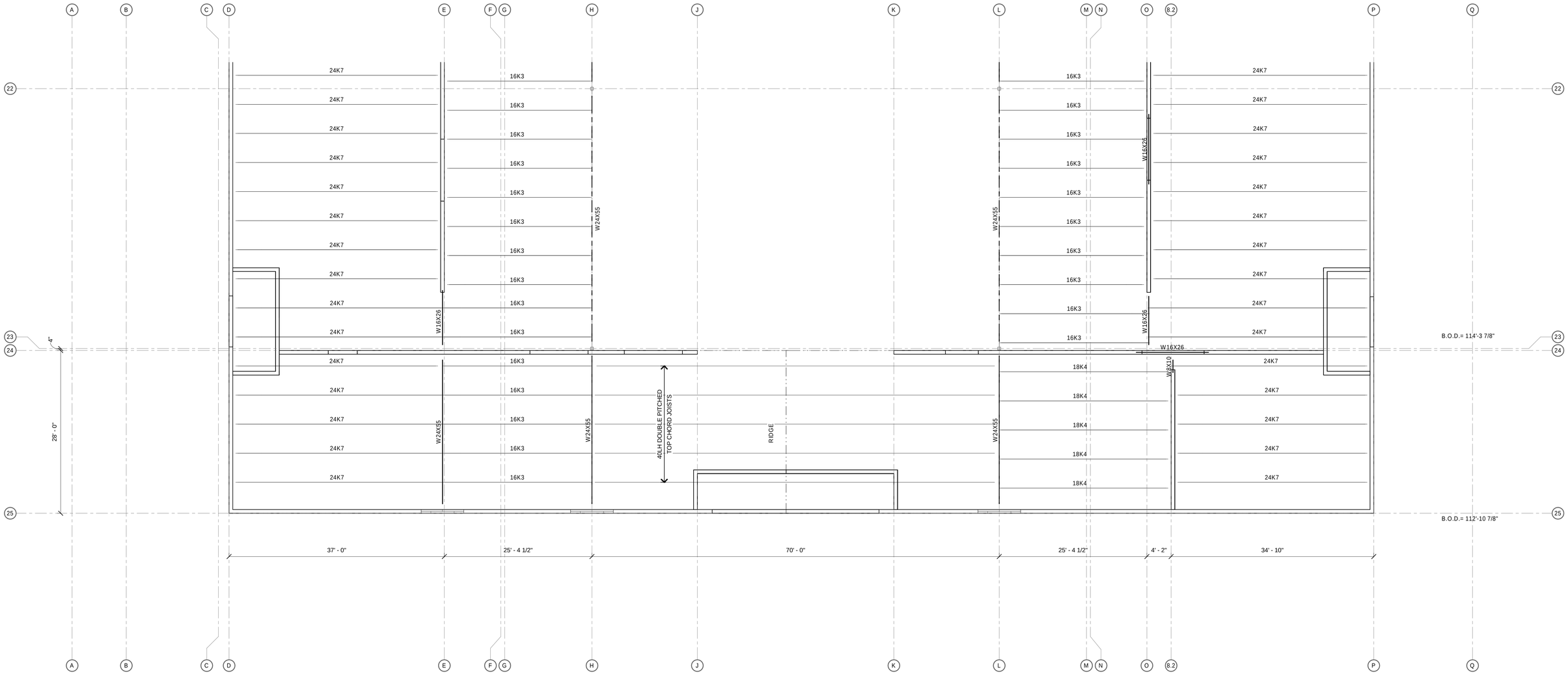

1 ROOF FRAMING PLAN (LOW) - AREA C
1/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

date issued: 6/25/2025
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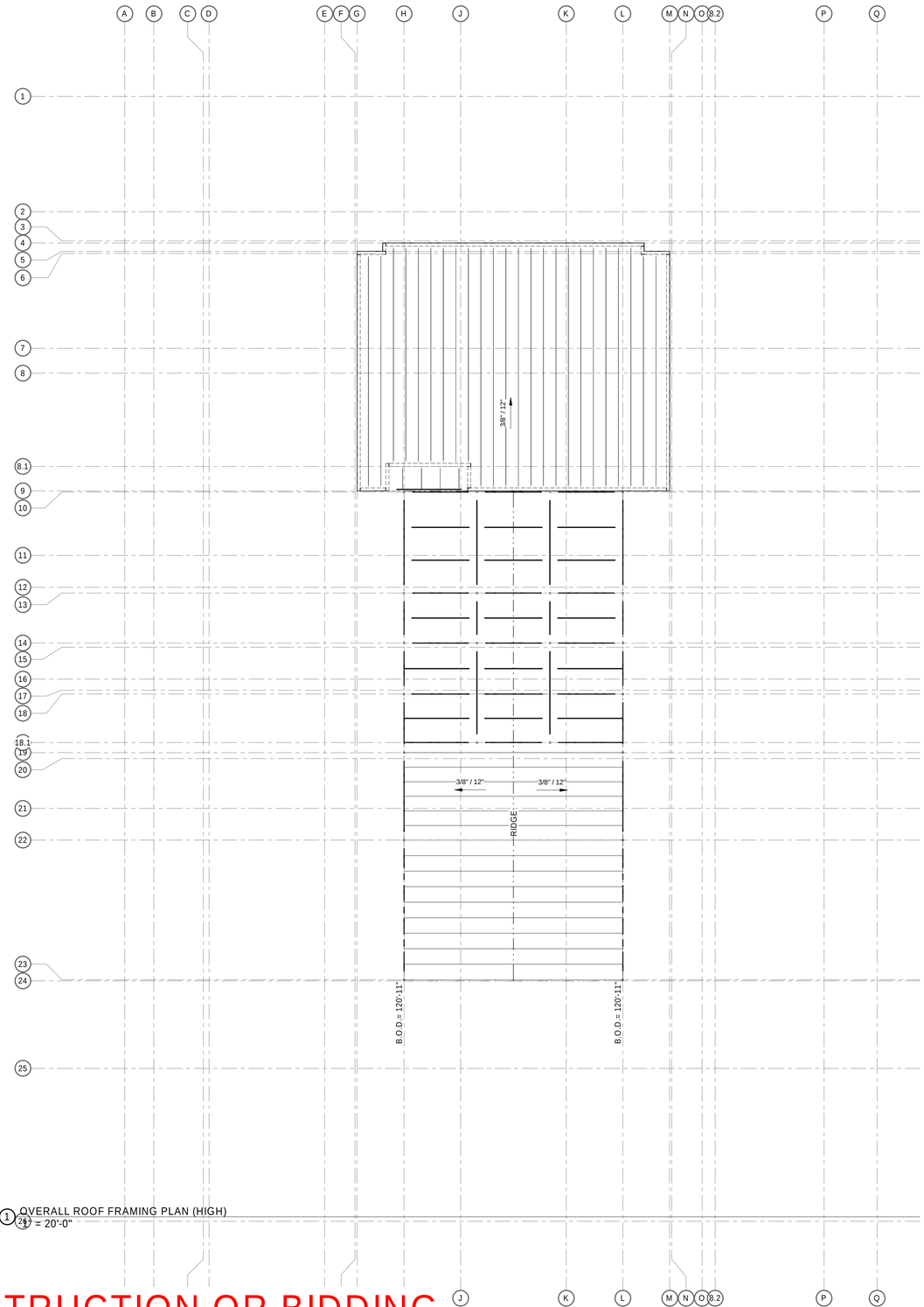
AREA A
AREA B
AREA C

KEYPLAN

ROOF FRAMING PLAN (LOW) - AREA C

S2.1.3

of XX sheet(s)



1 OVERALL ROOF FRAMING PLAN (HIGH)
1/8" = 20'-0"

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

AREA A
AREA B
AREA C

KEYPLAN

OVERALL ROOF FRAMING PLAN (MID)

date issued: 6/25/2025						
date revised						

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S2.2

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LOWER ROOF FRAMING
(RE: SHT. S2.1.1)

3' - 7" | 92' - 0" | 4' - 5"

(23)-EQ. SPACES

B.O.D.= 124'-2"

LOWER ROOF FRAMING
(RE: SHT. S2.1.1)

NO. OF 3/4"x4" H.S.A.
EQ. SPACED AT EA. JOIST

JOIST CAMBER

48LH18 JOISTS [40] (___")

3/8" / 12"

6" THICK (TOTAL) NORMAL WT.
CONC. SLAB W/ #4 AT 12" O.C.E.W.
ON 2"x22 GA. GALV. VLI COMP.
MTL. DECK (BY VULCRAFT OR EQ.)

10K1 | 10K1 | 10K1 | 10K1

W16X26 | W16X26 | W16X26 | W16X26

79' - 4"

LOWER ROOF FRAMING
(RE: SHT. S2.1.1)

AREA B (HIGH) ROOF
FRAMING
(RE: SHT. S2.2.2)

1 ROOF FRAMING PLAN (HIGH) - AREA A
1/8" = 1'-0"

AREA A
AREA B
AREA C

KEYPLAN

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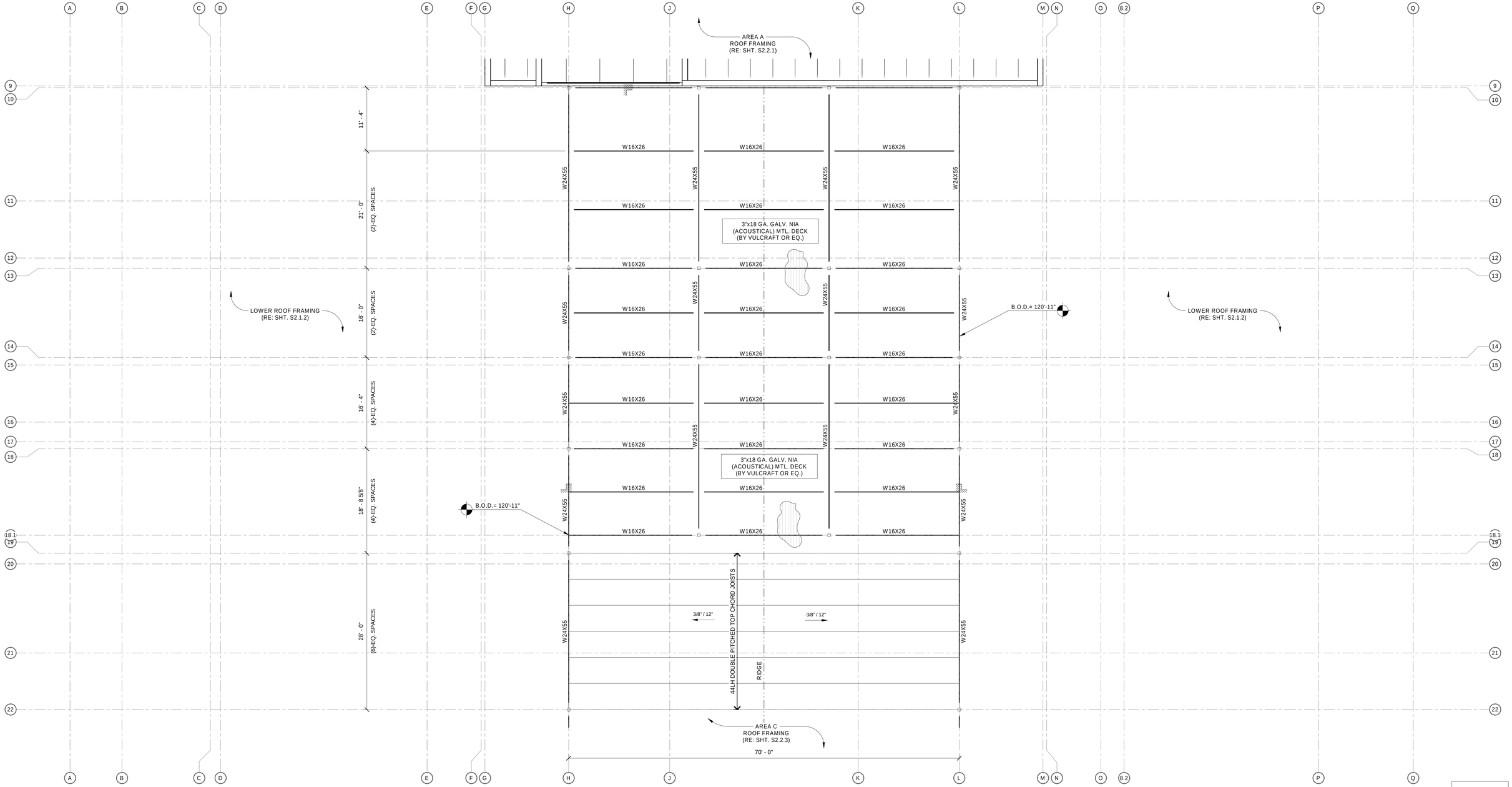
ROOF FRAMING PLAN (HIGH) - AREA A

S2.2.1

of XX sheet(s)



1 ROOF FRAMING PLAN (HIGH) - AREA B
1/8" = 1'-0"

AREA A
AREA B
AREA C

KEYPLAN

ROOF FRAMING PLAN (HIGH) - AREA B

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

date issued: 6/25/2025						
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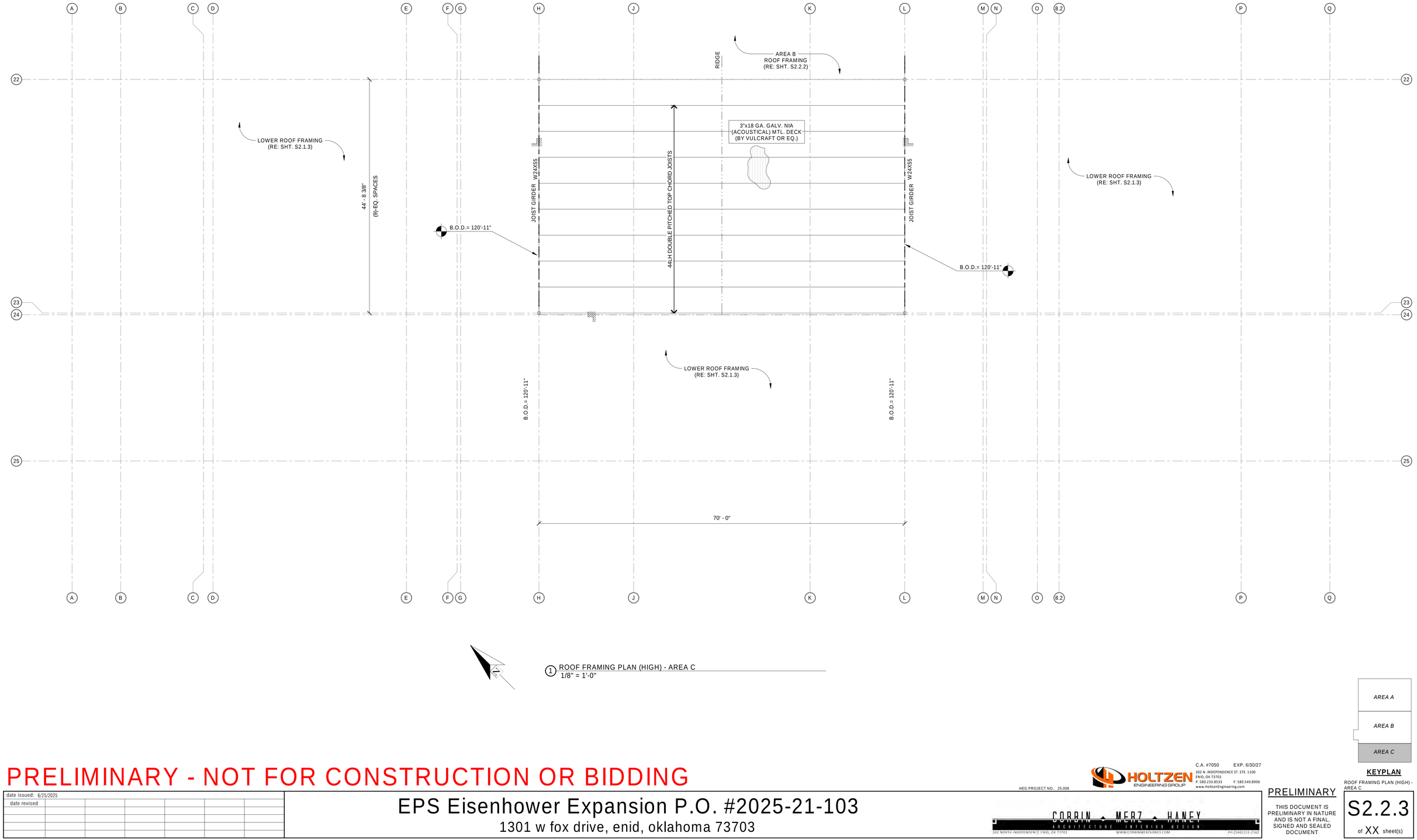

1 ROOF FRAMING PLAN (HIGH) - AREA C
1/8" = 1'-0"

PRELIMINARY - NOT FOR CONSTRUCTION OR BIDDING

date issued: 6/25/2025						
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AREA A
AREA B
AREA C

KEYPLAN

ROOF FRAMING PLAN (HIGH) - AREA C

S2.2.3

of XX sheet(s)

MECHANICAL GENERAL NOTES

1. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. PRIOR TO SUBMITTING BID CONTRACTOR SHALL VISIT JOB SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF PROJECT. NOTIFY ARCHITECT AND/OR ENGINEER OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. COORDINATE INSTALLATION OF MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE NEAT AND ORDERLY INSTALLATION.
3. FIELD MEASURE FINAL DUCTWORK LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED. MAINTAIN MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
4. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
5. ALL DIFFUSERS ARE 4-WAY BLOW UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
6. COORDINATE ACCESS TO EQUIPMENT, VALVES, AND DAMPERS INSTALLED ABOVE 'INACCESSIBLE' CEILINGS AND IN CHASES, ETC. WITH GENERAL CONTRACTOR. PROVIDE LOCKING ACCESS DOORS FOR INSTALLATION BY GENERAL CONTRACTOR AS REQUIRED TO SERVICE CONCEALED EQUIPMENT, VALVES, AND DAMPERS. CEILING ACCESS DOORS FOR FIRE DAMPERS, AND FIRE SMOKE DAMPERS FURNISHED BY THIS CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR.
7. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST/VENT TERMINATIONS.
8. A MAXIMUM LENGTH OF 5'-0" FLEX DUCT MAY BE USED AT EACH RUNOUT TO SUPPLY DIFFUSERS. FLEX DUCT SHALL NOT BE USED IN RETURN OR EXHAUST APPLICATIONS AND ONLY IN CONCEALED LOCATIONS.
9. RECTANGULAR & ROUND DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. SEE SPECIFICATIONS FOR DUCT LINER / INSULATION REQUIREMENTS.
10. DO NOT ROUTE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR ELECTRICAL GEAR. COORDINATE ROUTING WITH OTHER TRADES.
11. NEW HVAC EQUIPMENT SHALL NOT BE USED DURING CONSTRUCTION. CONTRACTOR SHALL FURNISH ALL NECESSARY TEMPORARY HEATING / COOLING EQUIPMENT AND CONTROLS AS REQUIRED.
12. INSTALL BALANCING DAMPERS (UNLESS PROVIDED WITH GRILLES / DIFFUSERS) IN EACH GRILLE / DIFFUSER DUCT RUNOUT. LOCATE DAMPERS ABOVE ACCESSIBLE CEILINGS OR IN ACCESSIBLE AREAS.
13. INSTALL TURNING VANES IN ALL RECTANGULAR DUCT ELBOWS.
14. PROVIDE FIRE DAMPERS AT ALL RATED WALLS OR CEILINGS WHETHER IT IS NOTED ON PLANS OR NOT.
15. ALL NEW THERMOSTATS SHALL BE PLACED AT 4'-0" MAXIMUM ABOVE FINISHED FLOOR PER ADA REQUIREMENTS. VERIFY HEIGHTS WITH OWNER PRIOR TO FINAL INSTALLATION.

PLUMBING GENERAL NOTES

1. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. PRIOR TO SUBMITTING BID CONTRACTOR SHALL VISIT JOB SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF PROJECT. NOTIFY ARCHITECT AND/OR ENGINEER OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. COORDINATE INSTALLATION OF PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE NEAT AND ORDERLY INSTALLATION.
3. FIELD MEASURE FINAL PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED. MAINTAIN MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
4. COORDINATE ROUTING OF PLUMBING AND FIRE PROTECTION PIPING WITH DUCTWORK, LIGHTS, ARCHITECTURAL CEILING AND STRUCTURAL ELEMENTS. PIPING SHALL RISE AND DROP, JOG OR OFFSET AS REQUIRED TO AVOID CONFLICTS. DUCTWORK SHALL TAKE PRECEDENCE OVER ALL PIPING, INCLUDING FIRE SPRINKLER PIPING EXCEPT WHERE GRADE MUST BE MAINTAINED FOR DRAINAGE. PROVIDE ADDITIONAL MANUAL AIR VENTS FOR PIPING WHERE REQUIRED FOR PIPING TO OFFSET. FIRE PROTECTION CONTRACTOR SHALL PROVIDE ADDITIONAL DRAINS AS REQUIRED TO DRAIN SYSTEM.
5. NO PIPING SHALL PENETRATE STRUCTURAL MEMBERS.
6. WALL CLEANOUT AND ACCESS DOORS SHALL MATCH ADJACENT SURFACES.
7. MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST/VENT TERMINATIONS.
8. DO NOT ROUTE PIPING OR DUCTWORK ABOVE ELECTRICAL PANELS OR ELECTRICAL GEAR. COORDINATE ROUTING WITH OTHER TRADES.
9. ALL WALL CAPS SHALL BE PAINTED TO MATCH WALL. ROOF CAPS AND VENTS SHALL BE PAINTED, COLOR SELECTED BY ARCHITECT.
10. PROVIDE WCO AT BASE OF ALL WASTE STACKS INCLUDING LAVATORIES AND SINKS.
11. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS FOR ROUTING AND CONNECTION OF SANITARY SEWER / WATER / GAS SERVICES. COORDINATE WITH LOCAL UTILITIES AND AUTHORITIES WHERE REQUIRED.
12. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPING RUNOUT SIZES TO INDIVIDUAL PLUMBING FIXTURES.
13. CONTRACTOR SHALL VERIFY ALL CONNECTION REQUIREMENTS TO EQUIPMENT PROVIDED BY OTHERS WITH ACTUAL EQUIPMENT PROVIDED ON SITE.

MECHANICAL LEGEND

(NOT ALL SYMBOLS LISTED BELOW ARE BEING USED IN THIS SET OF MECHANICAL DRAWINGS) ICE

SYMBOL	ABBR	DESCRIPTION
HVAC:		
		DIFFUSER
	RAG	RETURN AIR GRILLE
		ARROWS INDICATE FLOW DIRECTION
		NEW DUCTWORK
		EXISTING DUCTWORK
		EXISTING DUCTWORK TO BE REMOVED
		SUPPLY DUCT UP
		ROUND DUCT UP
		SUPPLY DUCT DOWN
		RETURN OR EXHAUST DUCT DOWN
		ROUND DUCT DOWN
		RECTANGULAR VANED ELBOW
		ROUND ELBOW
		MITERED ROUND ELBOW
		CONCENTRIC TRANSITION
		ECCENTRIC TRANSITION
		SQUARE TO ROUND TRANSITION
DN/UP		DUCT DROP/RISE IN DIRECTION OF ARROW
		45° TAKEOFF FITTING
		45° TAKEOFF FITTING WITH MANUAL VOLUME DAMPER
MVD		MANUAL VOLUME DAMPER WITH LOCKING QUADRANT
M	MD	MOTORIZED DAMPER
FD	FD	FIRE DAMPER
FS	FS	COMBINATION FIRE/SMOKE DAMPER

SYMBOL	ABBR	DESCRIPTION
PIPING:		
	CW	DOMESTIC COLD WATER
	HW	DOMESTIC HOT WATER
140°	140°	DOMESTIC 140° HOT WATER
	HWC	DOMESTIC HOT WATER CIRCULATING
	SAN	SANITARY WASTE ABOVE FLOOR
	SAN	SANITARY WASTE BELOW FLOOR
	V	SANITARY VENT
	RD	ROOF DRAIN
	RD	ROOF DRAIN BELOW FLOOR
	ORD	ROOF OVERFLOW
	FP	FIRE PROTECTION
	G	NATURAL GAS
	CWS	CHILLED WATER SUPPLY
	CWR	CHILLED WATER RETURN
	HWS	HEATING WATER SUPPLY
	HWR	HEATING WATER RETURN
	D	CONDENSATE DRAIN
	GW	GREASE WASTE
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
RHG	RHG	REFRIGERANT HOT GAS
	S	STEAM SUPPLY (10 PSI)
	CR	CONDENSATE RETURN
	A	COMPRESSED AIR
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		PIPE CAP OR PLUG

SYMBOL	ABBR	DESCRIPTION
PLUMBING EQUIP.		
		SHUT-OFF VALVE (GATE VALVE NOT ALLOWED)
		BALL VALVE
		BUTTERFLY VALVE
		BALANCING VALVE
		CHECK VALVE
		STRAINER
		GAS COCK
		PIPING UNION
		PIPE REDUCER
		VALVE IN RISER
	HB	HOSE BIBB
	WH	WALL HYDRANT
	FPWH	FREEZE PROOF WALL HYDRANT
	RD	ROOF DRAIN
	ORD	OVERFLOW ROOF DRAIN
	AD	AREA DRAIN
	BD	BOILER DRAIN
	FD	FLOOR DRAIN
	WCO	WALL CLEANOUT
	FCO	FLOOR CLEANOUT
	FS	FLOOR SINK
	VTR	VENT THRU ROOF
D / M3.1		ENLARGED PLAN CALLOUT

SYMBOL	ABBR	DESCRIPTION
SYMBOLS:	P1.1	PLUMBING FIXTURE NUMBER EQUIPMENT DESIGNATION
F-1	F-1	
1		SHEET NOTE
	POC	POINT OF CONN. (CONN. NEW TO EXISTING)
	DN	DOWN
	TOD	TOP OF DUCT (ABOVE FIN. FLOOR)
	BOP	BOTTOM OF PIPE
	NTS	NOT TO SCALE
	A.F.F.	ABOVE FINISHED FLOOR
	C.A.	COMBUSTION AIR
	O.A.	OUTSIDE AIR
	E.A.	EXHAUST AIR
	S.A.	SUPPLY AIR
	R.A.	RETURN AIR
	R.A.G.	RETURN AIR GRILLE
	T.A.G.	TRANSFER AIR GRILLE
	O.B.D.	OPPOSED BLADE DAMPER
	W.P.L.	WEATHER PROOF LOUVER
	G.C.	GENERAL CONTRACTOR
	M.C.	MECHANICAL CONTRACTOR
	P.C.	PLUMBING CONTRACTOR
	E.C.	ELECTRICAL CONTRACTOR
T		THERMOSTAT/SENSOR
H		HUMIDISTAT/SENSOR
	F.P.C.	FIRE PROTECTION CONTRACTOR
	T.C.C.	TEMPERATURE CONTROLS CONTRACTOR

PROJECT MECHANICAL DESIGN CRITERIA

ICE

PROJECT CITY: ENID, OKLAHOMA
PROJECT ELEVATION: 1,306 FT. ABOVE SEA LEVEL

GOVERNING CODES

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE
MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE
PLUMBING CODE: 2018 INTERNATIONAL PLUMBING CODE
ELECTRICAL CODE: 2023 NATIONAL ELECTRICAL CODE
ENERGY CODE: ASHRAE 90.1 - 2010
FIRE CODE: 2018 INTERNATIONAL FIRE CODE

COOLING WEATHER DESIGN DATA

DESIGN WEATHER STATION: VANCE AFB, OKLAHOMA
DESIGN WEATHER BASIS: ASHRAE 0.4%

DESIGN DRY BULB: 101.7° F
MEAN COINC. WET BULB: 73.4° F

DESIGN WET BULB: 78.3° F
MEAN COINC. DRY BULB: 90.3° F

HEATING WEATHER DESIGN DATA

DESIGN WEATHER BASIS: ASHRAE 99.6%
DESIGN DRY BULB: 10.9° F

ENERGY DATA

ASHRAE CLIMATE ZONE: 4A
COOLING DEGREE DAYS(65): 1,743
HEATING DEGREE DAYS(65): 4,444

SHEET INDEX

ICE

MP0.1	MECHANICAL / PLUMBING COVER SHEET
MP1.1	MECHANICAL / PLUMBING SCHEDULES
MP2.1	MECHANICAL / PLUMBING DETAILS
MP3.1	MECHANICAL / PLUMBING SHEET SPECIFICATIONS
M1.1	HVAC PLAN - AREA "A"
M1.2	HVAC PLAN - AREA "B"
M1.3	HVAC PLAN - AREA "C"
M2.1	MECHANICAL OVERALL ROOF PLAN
P1.1	WASTE & VENT PLAN - AREA "A"
P1.2	WASTE & VENT PLAN - AREA "B"
P1.3	WASTE & VENT PLAN - AREA "C"
P2.1	PLUMBING PLAN - AREA "A"
P2.2	PLUMBING PLAN - AREA "B"
P2.3	PLUMBING PLAN - AREA "C"

25171.00 - 622
OKLAHOMA REGISTRATION NUMBER: 5682
Integrated Consulting Engineers, Inc.
349 South Hydraulic • Wichita, KS 67211
316.264.3588 • 316.264.3948 • www.icsnengineers.net

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MP0.1

ROOFTOP UNIT SCHEDULE

ICE

MARK	CFM	MIN. O.A.	FAN			HEATING			COOLING								ELECTRICAL	
						MBH		E.A.T.	MBH (TOT.)	MBH (SENS.)	E.A.T.	COMP. (EA)		COND. (EA)				
			ESP	HP	FLA	INPUT	OUTPUT	D.B.			D.B. / W.B.	RLA	NO.	HP	FLA	NO.	VOLTAGE	MCA/MOCP
RTU-1	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-2	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-3	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-4	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-5	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-6	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-7	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-8	1,900	200	0.75	2	7.5	100.0	81.0	61.9	57.1	46.9	77.8 / 63.8	18.0	1	1/3	2.8	1	208/3ø	33/50
RTU-9	1,750	222	0.75	2	7.5	100.0	81.0	60.6	47.2	41.6	78.4 / 64.0	16.7	1	1/3	2.8	1	208/3ø	31/45
RTU-10	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-11	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-12	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-13	6,950	1,770	1.25	5	15.2	405.0	328.1	53.2	253.9	204.5	81.8 / 65.5	32.3	2	3/4	3.4	2	208/3ø	110/125
RTU-14	2,000	1,495	0.75	1	4.6	210.0	170.0	24.6	108.5	83.8	95.0 / 70.9	29.8	1	3/4	3.4	1	208/3ø	45/70
RTU-15	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-16	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-17	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-18	4,500	279	0.75	3	10.6	195.0	158.0	64.4	122.4	105.8	76.7 / 63.3	18.0	2	1/3	2.8	2	208/3ø	57/70
RTU-19	1,800	368	0.75	1	4.6	90.0	72.9	56.1	65.8	52.4	80.5 / 64.9	23.7	1	1/3	2.8	1	208/3ø	37/60
RTU-20	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-21	1,925	583	0.75	1	4.6	150.0	121.5	50.4	67.8	57.1	83.1 / 66.1	23.7	1	1/3	2.8	1	208/3ø	37/60
RTU-22	2,000	860	0.75	2	7.5	150.0	121.5	43.1	77.9	65.2	86.5 / 67.5	23.7	1	1/3	2.8	1	208/3ø	40/60
RTU-23	5,500	1,762	1.25	5	15.2	405.0	328.1	49.4	215.9	170.7	83.6 / 66.3	29.8	2	3/4	3.4	2	208/3ø	100/125
RTU-24	1,775	672	0.75	1	4.6	150.0	121.5	46.0	67.7	56.3	85.1 / 66.9	23.7	1	1/3	2.8	1	208/3ø	37/60
RTU-25	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-26	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-27	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-28	1,675	372	0.75	2	7.5	100.0	81.0	55.1	57.2	46.5	80.9 / 65.2	18.0	1	1/3	2.8	1	208/3ø	33/50
RTU-29	1,650	27	0.75	2	7.5	60.0	48.6	67.1	37.9	33.6	75.4 / 62.7	12.8	1	1/3	2.8	1	208/3ø	26/35
RTU-30	1,150	432	0.75	1	4.6	100.0	81.0	46.2	46.0	36.9	85.0 / 66.9	16.7	1	1/3	2.8	1	208/3ø	28/40
RTU-31	1,000	400	0.75	1	4.6	60.0	48.6	44.8	44.8	34.4	85.7 / 67.2	16.7	1	1/3	2.8	1	208/3ø	28/40

NOTES:
1. UNITS ARE BASED ON AAON MODELS RQ AND RN PACKAGED ROOFTOP UNITS.
2. SELECTIONS BASED ON ELEVATION = 1,306 FT.
3. SCHEDULED COOLING CAPACITIES ARE GROSS AND BASED ON 101.7° F AMBIENT TEMPERATURES.

	MODULATING HOT GAS REHEAT	SINGLE-ZONE VAV	POWER EXHAUST (100%)	POWER EXHAUST (30%)	BAROMETRIC RELIEF	ECONOMIZER (DRY BULB)	SINGLE STAGE HEATING	2-STAGE HEATING	MODULATING HEATING	MODULATING COOLING	2-STAGE COOLING	5-STAGE COOLING	CO2 SENSOR	HUMIDITY SENSOR	STAINLESS STEEL HEAT EXCH.	CRANKCASE HEATERS	LOW AMBIENT (0 DEG. F.)
RTU-1 TO RTU-7, RTU-10 TO RTU-12, RTU-15 TO RTU-17, RTU-20, RTU-25 TO RTU-27, RTU-31	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-8	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-9	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-13	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-14	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-18	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-19	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-21	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-22	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-23	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-24	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-28	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-29	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--
RTU-30	●	●	--	--	●	●	●	--	--	●	--	--	●	●	●	●	--

PLUMBING FIXTURE SCHEDULE

ICE

P-NO.	FIXTURE	MAN.	MODEL	SIZE	MATERIAL	MOUNTING	MOUNTING HEIGHTS	FLUSH VALVE/TANK	NO. OF FAUCET HOLE	ADA COMPLIANT	CARRIER	TRIM					ROUGH-IN SIZES					NOTES
												FAUCET/ VALVE MAN.	FAUCET/ VALVE MODEL	STRAINER	HOSE & SPRAY	SOAP DISP.	WASTE		VENT	WATER		
																	ABOVE GND.	BELOW GND.		HOT	COLD	
P1.1	WATER CLOSET	KOHLER	K-84325	N/A	VC	W	1	V	--	●	●	SLOAN ROYAL	111-1.6	--	--	--	4"	4"	2"	---	1-1/4"	1,2
P1.2	WATER CLOSET	KOHLER	K-84325	N/A	VC	W	2	V	--	--	●	SLOAN ROYAL	111-1.6	--	--	--	4"	4"	2"	---	1-1/4"	1,2
P2.1	URINAL	KOHLER	K-4991-ET	N/A	VC	W	3	V	--	●	●	SLOAN ROYAL	186-1.0	--	--	--	2"	2"	1-1/2"	---	3/4"	1
P2.2	URINAL	KOHLER	K-4991-ET	N/A	VC	W	4	V	--	--	●	SLOAN ROYAL	186-1.0	--	--	--	2"	2"	1-1/2"	---	3/4"	--
P3.1	LAVATORY	KOHLER	K-2005	21"x18"	VC	W	5	--	3	●	●	DELTA	22C531	1	--	--	1-1/2"	2"	1-1/2"	1/2"	1/2"	3,4
P3.2	LAVATORY SYSTEM	SLOAN	EWF-44000	46"x26"	S	F	--	--	--	●	--	---	---	--	--	--	1-1/2"	2"	1-1/2"	1/2"	1/2"	5
P4.1	SINGLE COMP. SINK	ELKAY	LRAD221965	22"x19"	SS	C	--	--	3	●	--	DELTA	27C2934-R7	1	--	--	1-1/2"	2"	1-1/2"	1/2"	1/2"	6
P5.1	MOP BASIN	FIAT	MSB-2424	24"x24"x10"	--	F	--	--	--	--	--	DELTA	28T9	--	--	--	---	3"	1-1/2"	3/4"	3/4"	7
P6.1	ELEC. WTR. COOLER	ELKAY	EZSTL8LC	N/A	SS	W	6	--	--	●	--	---	---	--	--	--	1-1/2"	2"	1-1/2"	---	1/2"	8
P7.1	WASHER BOX	GUY GRAY	T200	14"x9"	--	W	--	--	--	--	--	---	----	--	--	--	2"	2"	1-1/2"	3/4"	3/4"	---
P7.2	ICE BOX	GUY GRAY	MIB1	7"x7"	--	W	--	--	--	--	--	---	---	--	--	--	---	---	---	---	1/2"	---
P8.1	SHOWER	AQUATIC	1603BFSD	62"x36"	A	--	7	--	--	●	--	DELTA	T13H332	--	--	--	---	2"	1-1/2"	1/2"	1/2"	9,10

SCHEDULE LEGEND

MATERIAL
- VC VITREOUS CHINA
- SS STAINLESS STEEL
- S SOLID SURFACE

MOUNTING
- F FLOOR MOUNTED
- W WALL HUNG
- C COUNTER MOUNTED

MOUNTING HEIGHTS
1. RIM AT 17" A.F.F. (TOP OF SEAT AT 19" MAX.) - VALVE OPERATOR AT 48" A.F.F. MAX. (ADA)
2. RIM AT 15" A.F.F. - COORDINATE WITH ARCHITECT
3. LIP AT 17" A.F.F. - VALVE OPERATOR AT 48" A.F.F. MAX. (ADA)
4. LIP AT 24" A.F.F.
5. RIM AT 34" A.F.F. MAX. (ADA)
6. HIGH SPOUT OUTLET AT 38" MIN. A.F.F. AND 43" MAX. A.F.F. - LOW SPOUT OUTLET AT 36" A.F.F. (ADA)
7. SHOWER HEAD SLIDE BAR AND CONTROLS MOUNTED AT 48" A.F.F. MAX. (ADA)

STRAINER TYPE
1. GRID

NOTES:
1. PROVIDE WITH TRIP LEVER ON WIDE SIDE OF FIXTURE.
2. PROVIDE WITH WHITE OPEN-FRONT SEAT, LESS COVER.
3. PROVIDE AND INSTALL TRUEBRO MODEL 103 INSULATION, WITH ONE P-TRAP COVER, TWO ANGLE VALVE AND SUPPLY COVERS, AND ONE OFFSET TAILPIECE WHEELCHAIR COVER. FIXTURES EQUIPPED WITH ARCHITECTURAL KNEE / UNDER-COUNTER SHROUDS DO NOT REQUIRE INSULATION.
4. PROVIDE LEAD-FREE POWERS LFE480 MIXING VALVE (OR EQUAL) TO MAINTAIN LAVATORY TEMPERATURE AT 110°F.
5. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS. SET THERMOSTATIC MIXING VALVE AT 110°F.
6. SUPPLY FAUCET WITH RIGID SPOUT.
7. PROVIDE MOP HANGER, HOSE AND HOSE BRACKET, AND STAINLESS STEEL WALL GUARD.
8. PROVIDE OPTIONAL APRON INSTALLED BELOW UPPER UNIT TO COMPLY WITH ADA GUIDELINES.
9. PROVIDE WITH DELTA MODEL R10700-UNWS UNIVERSAL ROUGH-IN VALVE BODY.
10. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS. PROVIDE FIXTURE WITH STAINLESS STEEL GRAB BAR(S). PHENOLIC WHITE FOLD-UP SEAT, CURTAIN ROD AND SHOWER CURTAIN.

GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

ICE

MARK	USE	LOCATION	FINISH	MATERIAL	MOUNTING	NECK SIZE	FACE SIZE	MODEL NO.	ACCESSORIES	NOTES
A	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX
B										
C										
D										
E										
F										

NOTES:
1. MODEL NUMBERS ARE BASED ON TITUS.
2. CALLOUTS ON DRAWINGS INDICATE NECK SIZE, CFM, AND SCHEDULE MARK.
3. SLOT DIFFUSER CALLOUTS INDICATE LENGTH OF DIFFUSER, NUMBER OF SLOTS, CFM, AND THROW PATTERN.
4. M.C. SHALL FABRICATE NECESSARY RECTANGULAR TO ROUND ADAPTERS AT ALL GRILLE CONNECTIONS.
5. ALL SURFACES VISIBLE THROUGH FACE OF GRILLE/DIFFUSER SHALL BE PAINTED FLAT BLACK.

WATER HEATER SCHEDULE

ICE

MARK	TYPE	STOR. CAP. GALLONS	RECOVERY G.P.H. (G.P.M.)	DEG. RISE	GAS					ELECTRIC			EXP. TANK	MODEL
					INPUT MBH	VENT DIA.	INTAKE DIA.	BURNER		NO. OF ELEMENTS	ELEMENT KW	VOLTAGE		
								HP	AMPS					
GWH-1	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX	XXX

NOTES:
1. XXXX
2. XXXX

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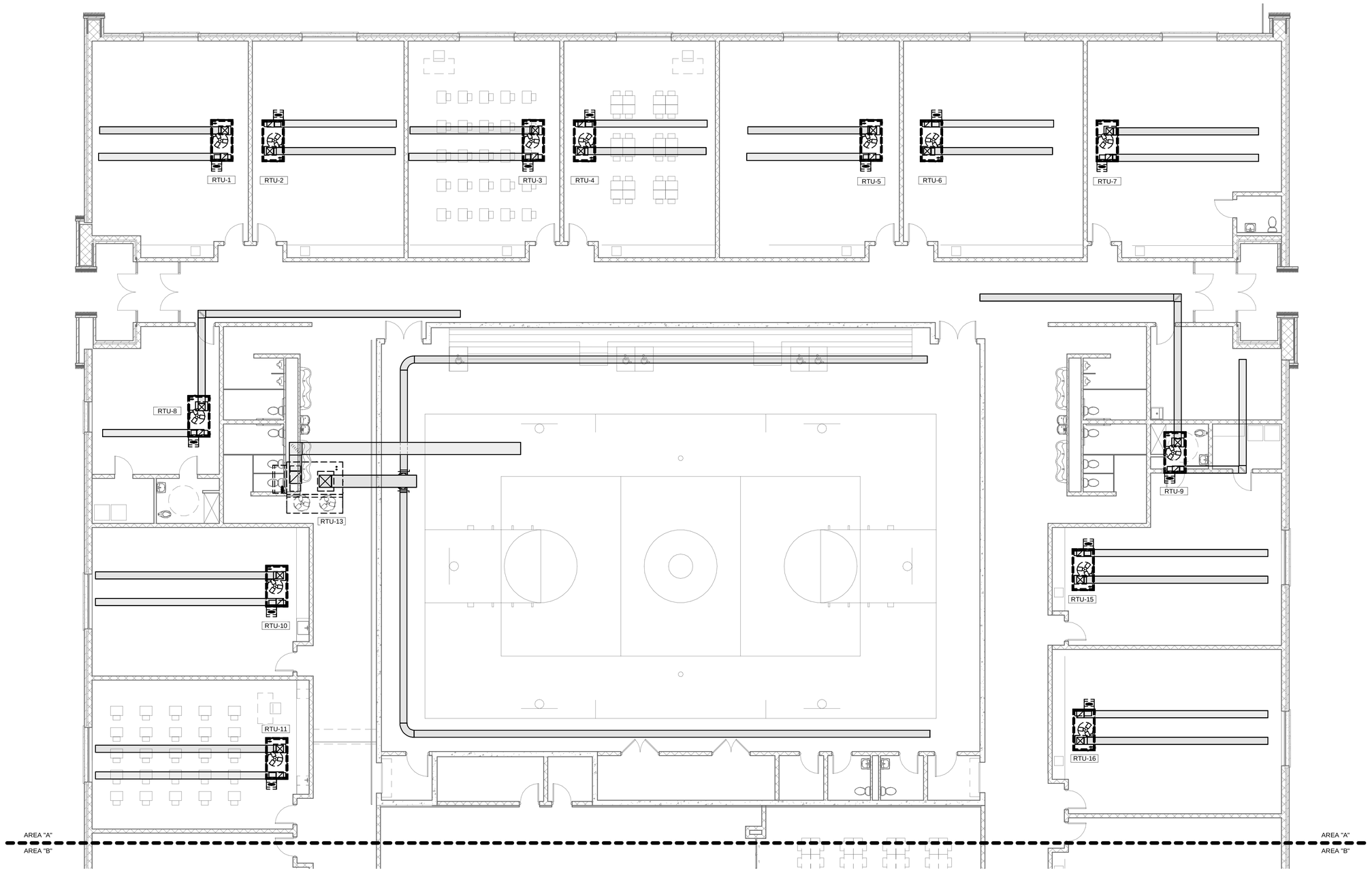
MP1.1

MECHANICAL PLAN NOTES



A HVAC PLAN - AREA "A"

0' 4' 8' 12' 1/8" = 1'-0"

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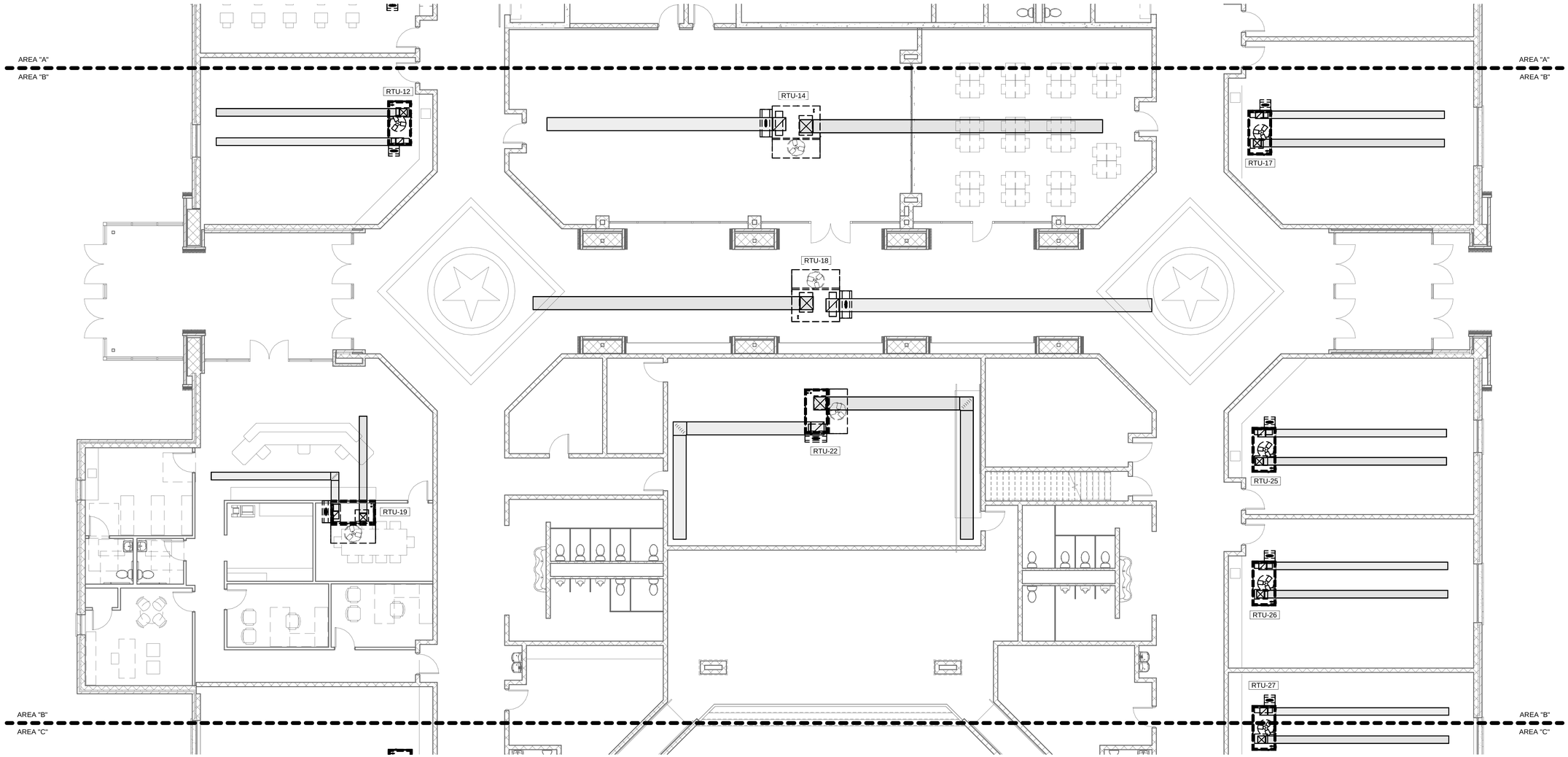
MECHANICAL PLAN NOTES



A HVAC PLAN - AREA "B"

0' 4' 8' 12' 1/8" = 1'-0"

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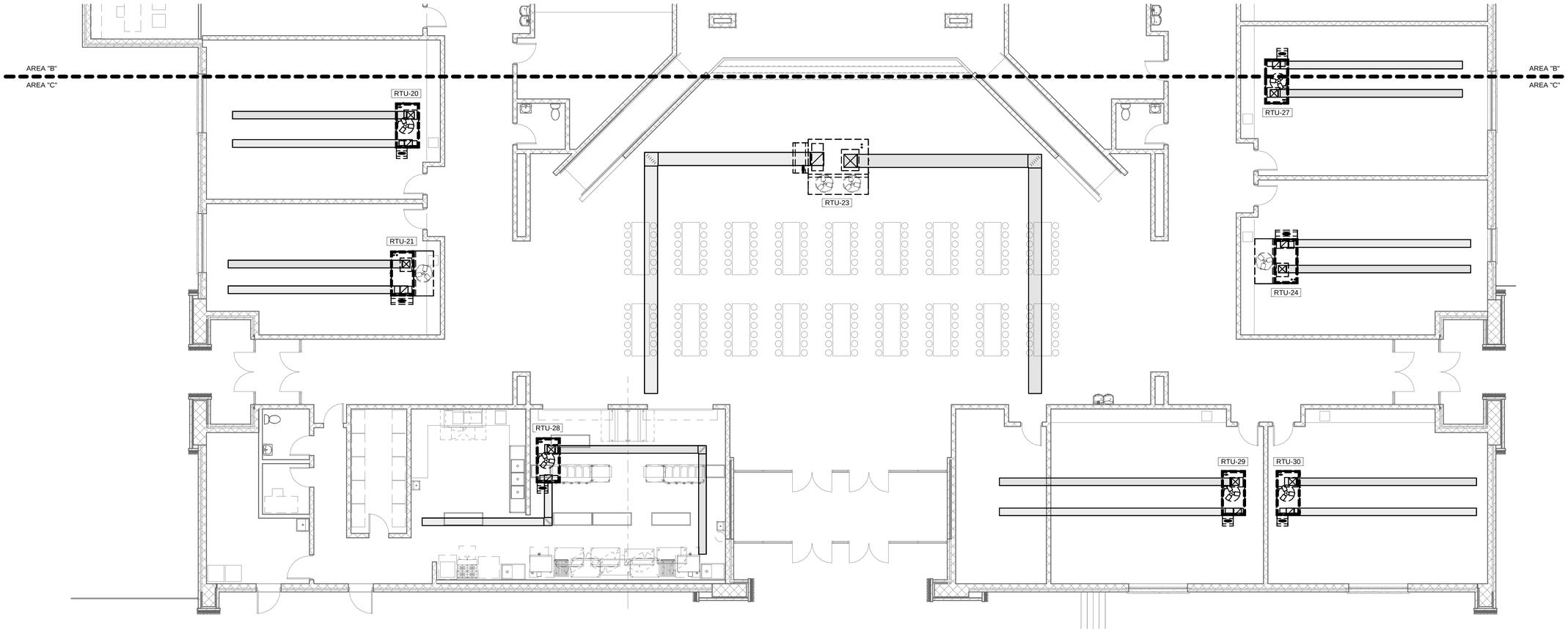
M1.2

MECHANICAL PLAN NOTES



A HVAC PLAN - AREA "C"

0' 4' 8' 12'

1/8" = 1'-0"

NORTH

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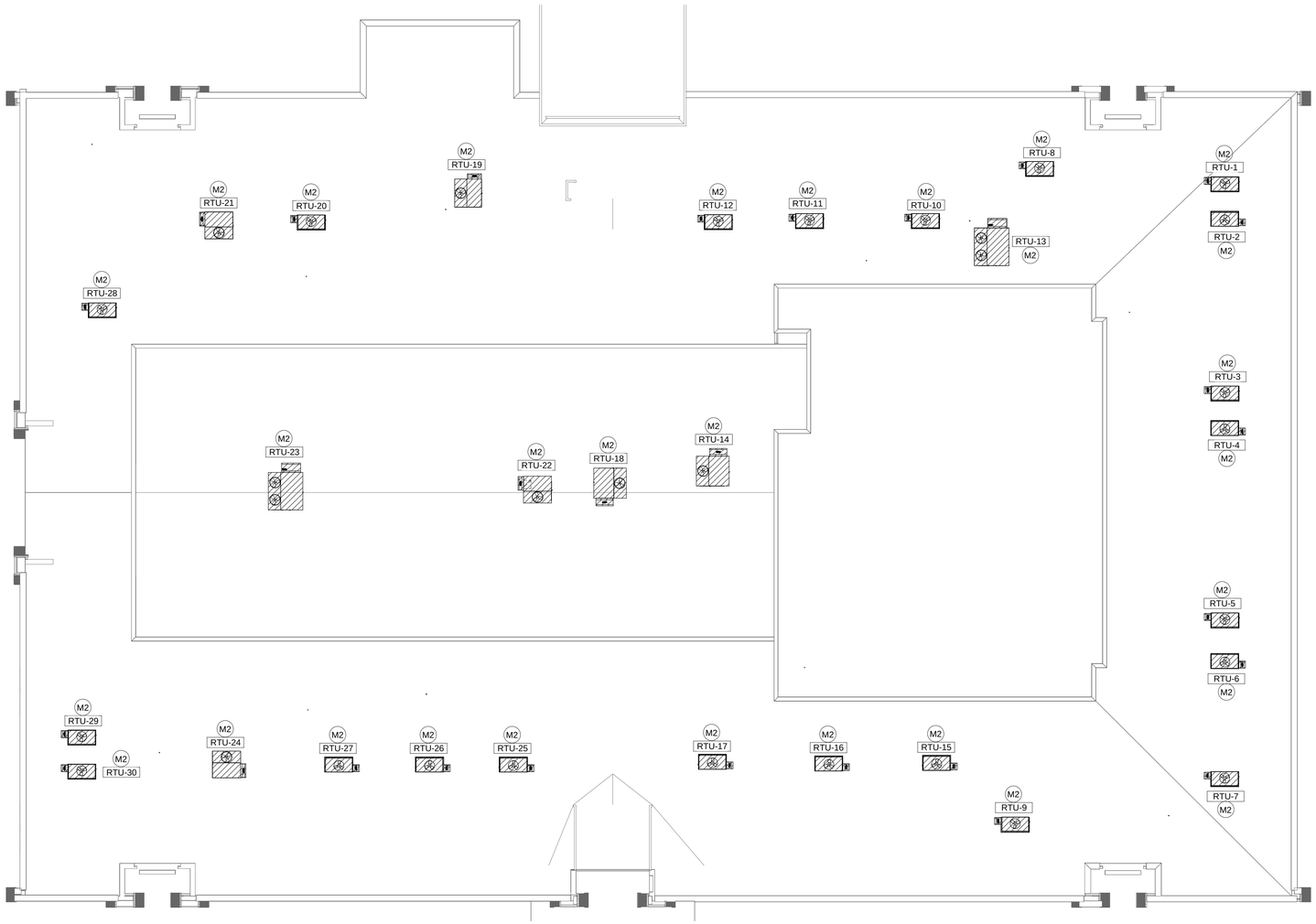
M1.3

MECHANICAL PLAN NOTES

M2 APPROXIMATE LOCATION OF ROOFTOP UNIT. VERIFY EXACT LOCATION WITH STRUCTURAL IN THE FIELD. REFER TO ROOFTOP UNIT SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



A MECHANICAL OVERALL ROOF PLAN

0" 4" 8" 12" 1/16" = 1'-0"

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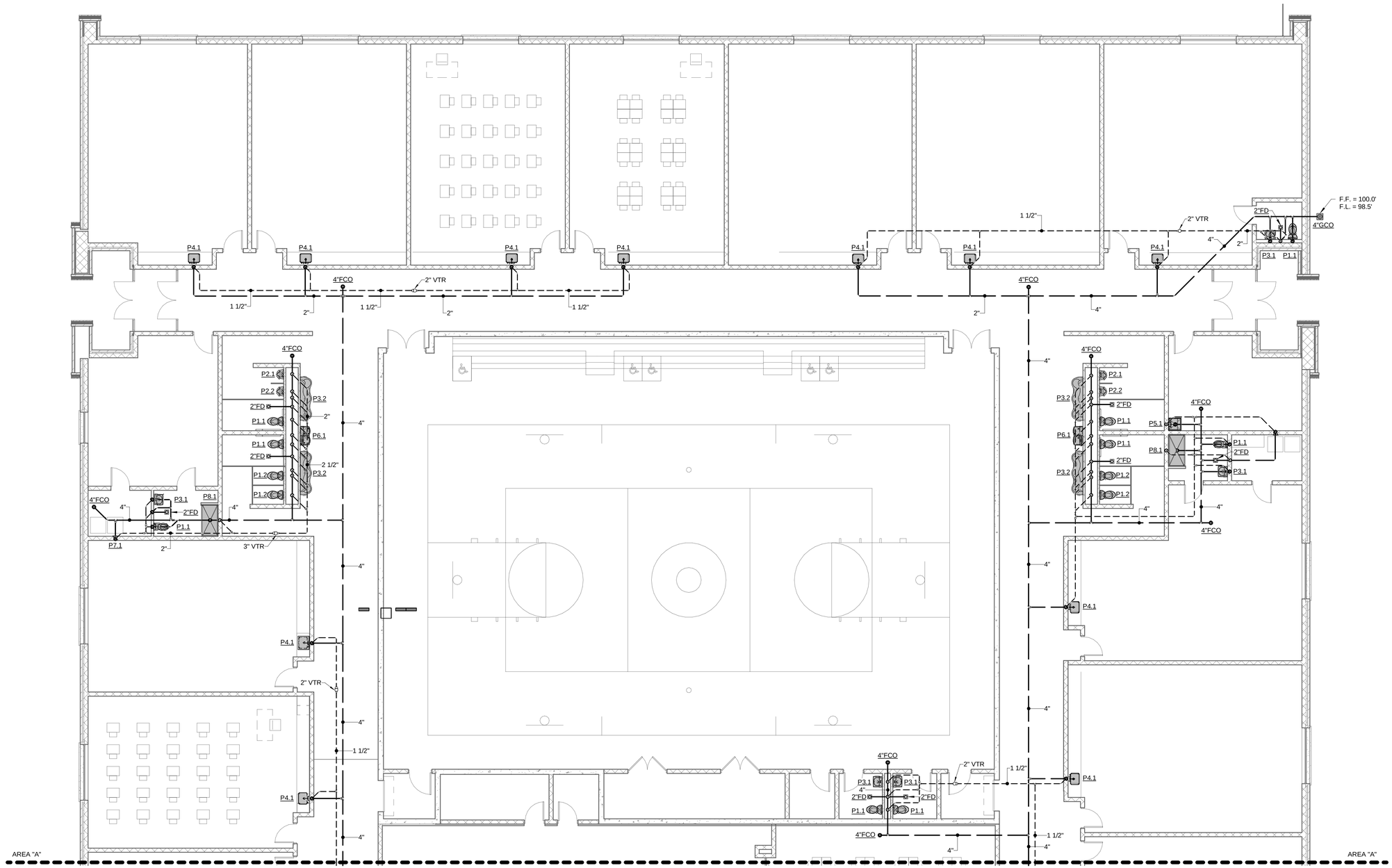
M2.1

PLUMBING PLAN NOTES



A WASTE & VENT PLAN - AREA "A"

1/8" = 1'-0"

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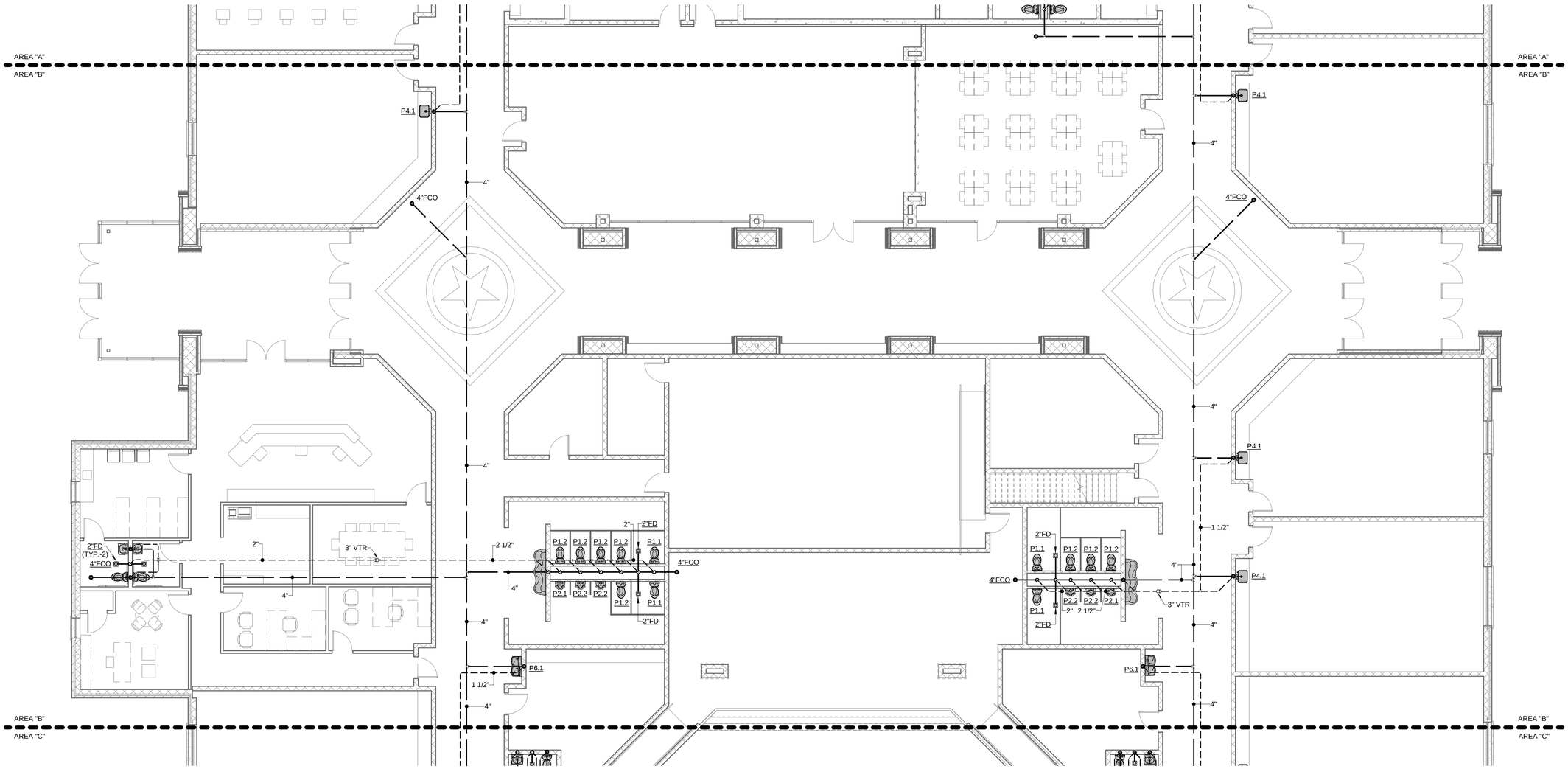
P1.1

PLUMBING PLAN NOTES



A WASTE & VENT PLAN - AREA "B"

0" 4" 8" 12" 1/8" = 1'-0"

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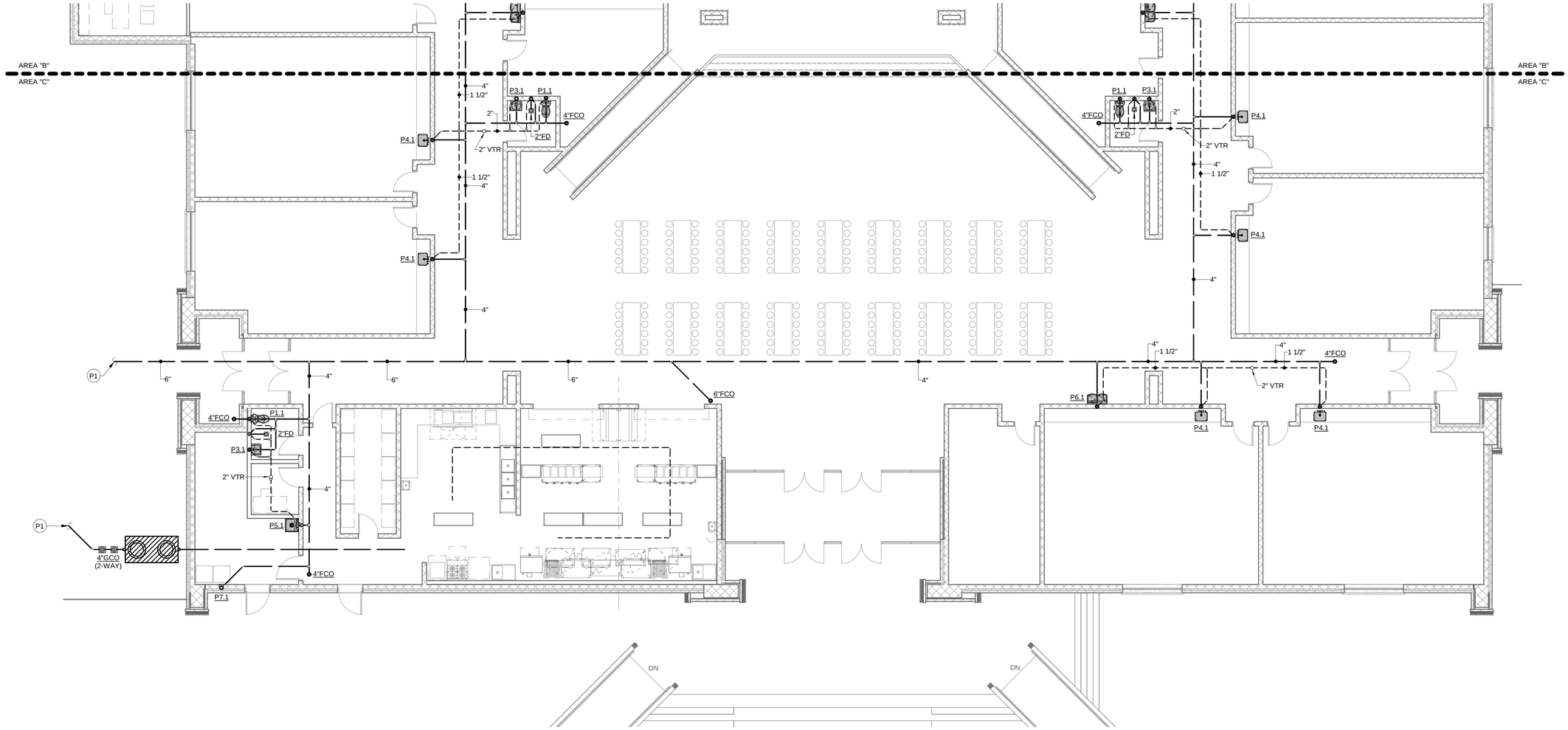
P1.2

PLUMBING PLAN NOTES

P1 REFER TO CIVIL SITE PLAN FOR CONTINUATION.



A WASTE & VENT PLAN - AREA "C"

0' 4' 8' 12' 1/8" = 1'-0"

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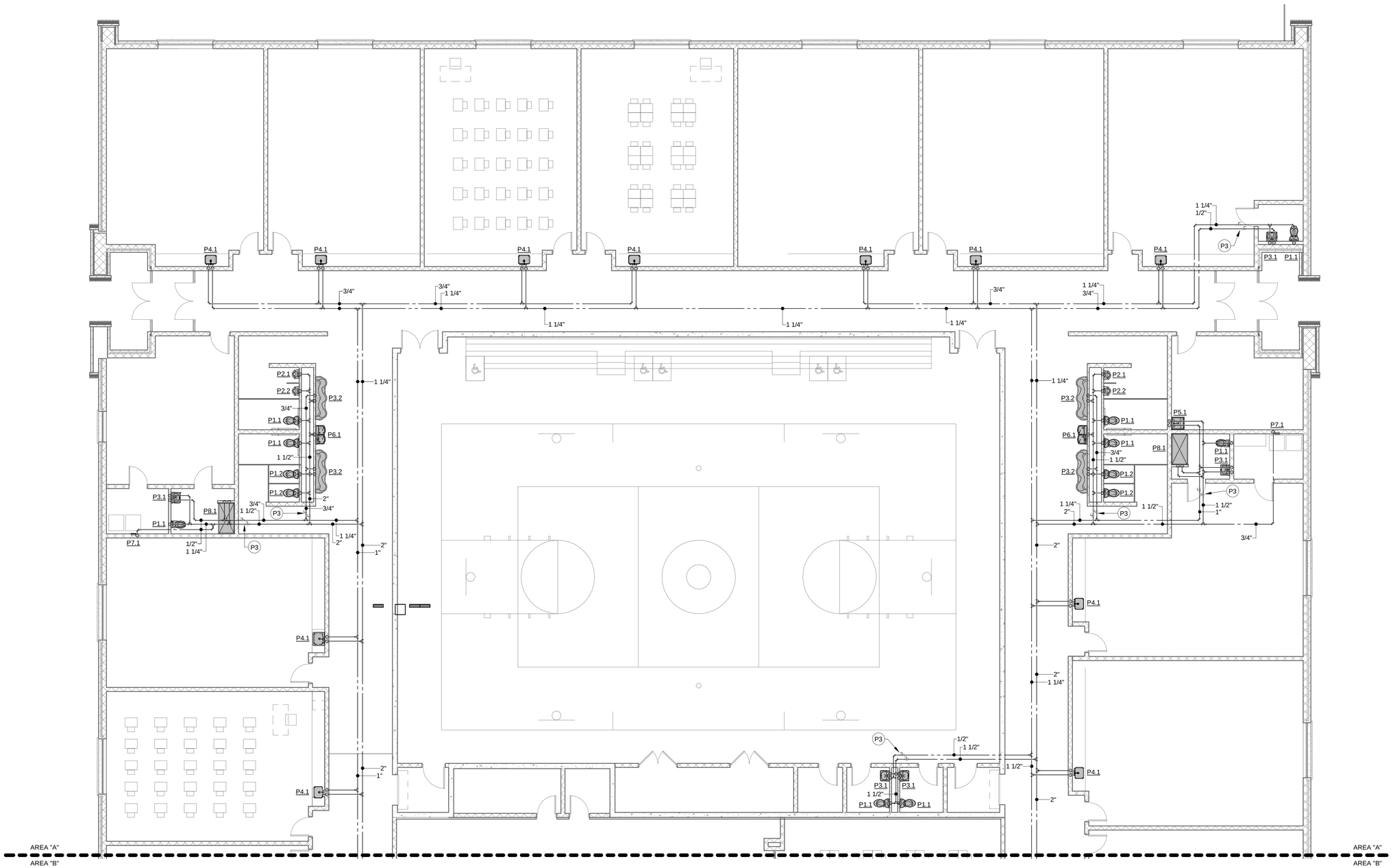
P1.3

PLUMBING PLAN NOTES

P3 PROVIDE BALL VALVE IN PIPING ABOVE CEILING IN ACCESSIBLE LOCATION (TYP.).



A PLUMBING PLAN - AREA "A"

1/8" = 1'-0"

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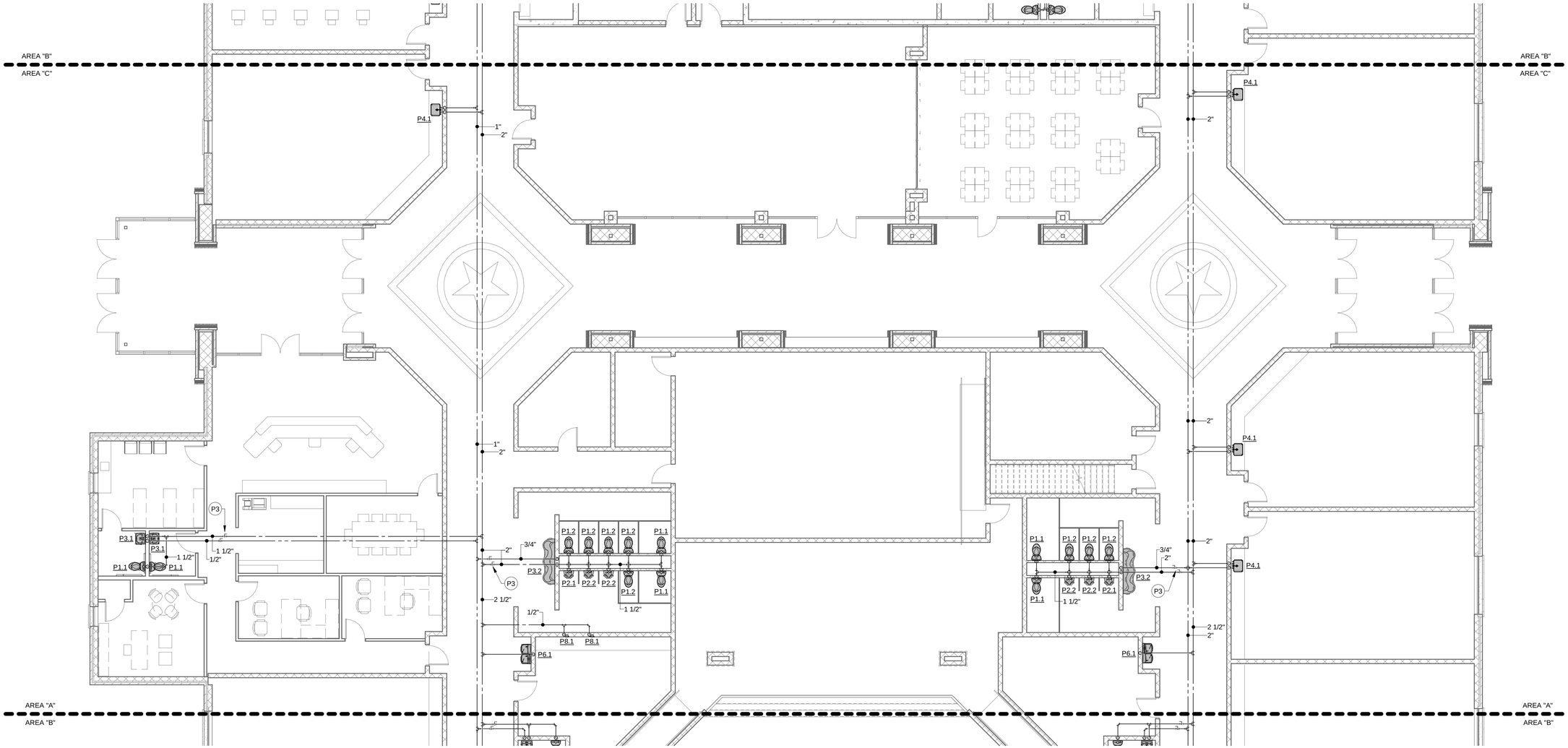
P2.1

PLUMBING PLAN NOTES

P3 PROVIDE BALL VALVE IN PIPING ABOVE CEILING IN ACCESSIBLE LOCATION (TYP.).



A PLUMBING PLAN - AREA "B"

0' 4' 8' 12' 1/8" = 1'-0"

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EPS Eisenhower Expansion P.O. #2025-21-103

1301 w fox drive, enid, oklahoma 73703

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P2.2

PLUMBING PLAN NOTES

P1 REFER TO CIVIL SITE PLAN FOR CONTINUATION.

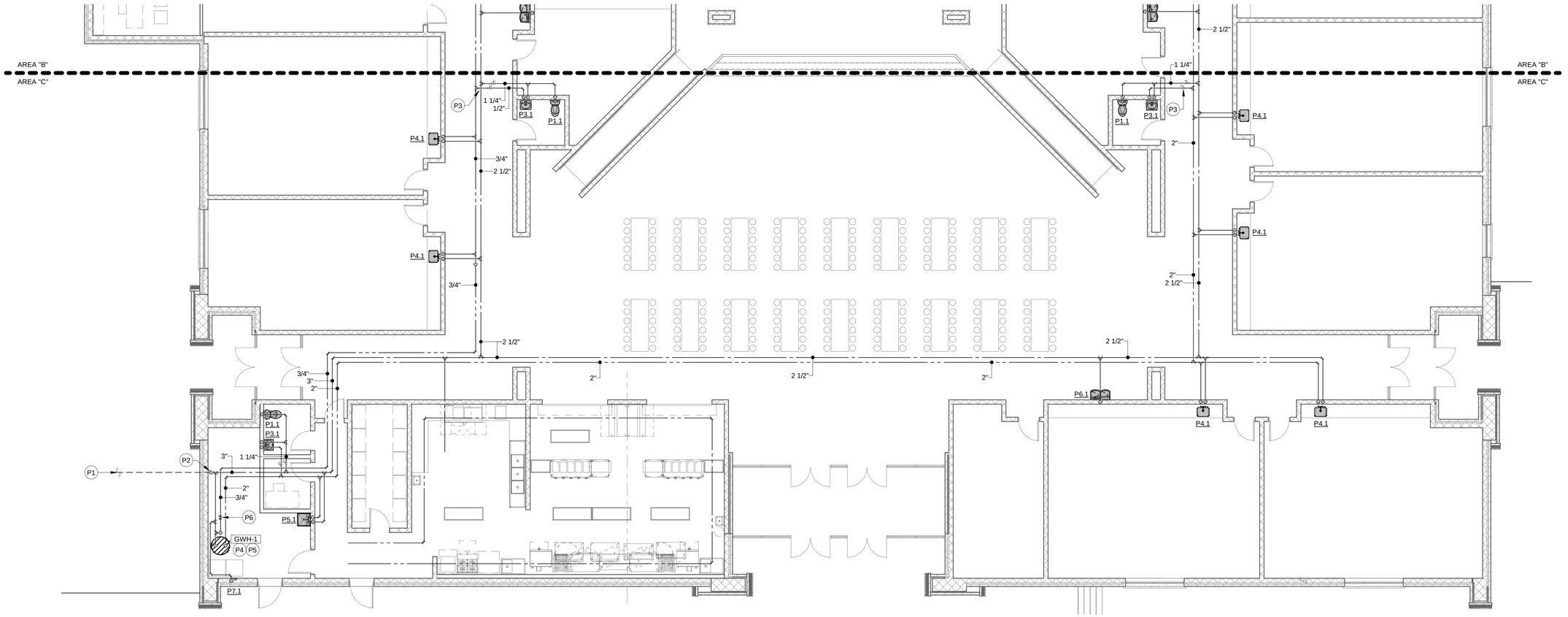
P2 PROVIDE BUILDING SHUT-OFF VALVE AND WATTS SERIES LF009 REDUCED PRESSURE ZONE ASSEMBLY IN CW RISER AT 48" A.F.F. IN THIS AREA. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. EXTEND DRAIN PIPING DOWN TO FLOOR RECEPTOR IN THIS AREA AND TERMINATE WITH 2" AIR GAP (MIN.).

P3 PROVIDE BALL VALVE IN PIPING ABOVE CEILING IN ACCESSIBLE LOCATION (TYP.).

P4 EXTEND CW, HW, AND HWC PIPING DOWN TO WATER HEATER AND CONNECT PER MANUFACTURER'S RECOMMENDATIONS. REFER TO WATER HEATER DETAIL AND SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

P5 INSTALL CIRCULATION PUMP PER MANUFACTURER'S RECOMMENDATIONS AND COORDINATE LOCATION WITH ELECTRICAL.

P6 PROVIDE CIRCUIT SETTER (BALANCE TO 1 GPM).



A PLUMBING PLAN - AREA "C"

1/8" = 1'-0"

NORTH

25171.00 - 622
OKLAHOMA REGISTRATION NUMBER: 5682
Integrated Consulting Engineers, Inc.
349 South Hydraulic • Wichita, KS 67211
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P2.3

EQUIPMENT CONNECTION SCHEDULE

ICE

SCH. CODE
SW=DISC. SW
CB=CIR.BKR.
T=TOGGLE SW.

UNIT DESIG.	120/60/1	208/60/1	208/60/3	LOAD H.P.	LOAD FLA	LOAD MCA	PANEL DEVICE RATING (AMPS/POLE) 20/1	30/1	30/2	30/3	40/1	40/2	40/3	50/1	50/2	50/3	DISCONNECTING DEVICE AT UNIT (AMPS/POLE) FUSTAT	30/1	30/2	30/3	60/1	60/2	60/3	SIZE FUSE	REMARK	STARTER (SIZE/POLE) 0/3	1/3	2/3	IN MCC	AT UNIT	NEMA3R	CIRCUIT NUMBER	FEEDER IDENT.
F1		●		X			●											SW							X	●							X-X	20.2

EQUIPMENT CONNECTION SCHEDULE NOTES

ICE

GENERAL NOTES:

a. ALL CONNECTIONS AND ELECTRICAL EQUIPMENT LISTED IN THIS SCHEDULE SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR

b. REFER TO THE MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTIONS OF INTERLOCKING, THERMOSTAT LOCATIONS, EXHAUST FAN CONTROL SWITCHES AND OTHER CONTROLS OF MECHANICAL EQUIPMENT.

SCHEDULE NOTES:

1. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

DATA SYMBOL KEY

1/1 — COMBINATION VOICE/DATA BOX
- INDICATE THE NUMBER OF CAT 6 RJ45 DATA DROPS.
- INDICATE THE NUMBER OF CAT 6 RJ45 DATA DROPS USED FOR THE VOIP PHONE.

1 — VOICE ONLY BOX
- INDICATE THE NUMBER OF CAT 6 RJ45 DATA DROPS USED FOR THE PHONE.

1 — DATA ONLY BOX
- INDICATE THE NUMBER OF CAT 6 RJ45 DATA DROPS.

SPECIAL OUTLET SCHEDULE

ICE

SYMBOL	DESCRIPTION
A	XXX

LIGHTING MANAGEMENT DEVICE SCHEDULE

ICE

SYMBOL	DESCRIPTION
A	XX

TRANSFORMER SCHEDULE

ICE

UNIT DESIG.	KVA	PRIMARY OCPD	PRIMARY PRIM. FEED	GROUNDING ELECTRODE	SECONDARY OCPD	SECONDARY SEC. FEED
T-LA	75	125	150.3	1#2 - 1/2"C	225	225.4
T-LB	75	125	150.3	1#2 - 1/2"C	225	225.4
T-LC	75	125	150.3	1#2 - 1/2"C	225	225.4
T-LK	75	125	150.3	1#2 - 1/2"C	225	225.4

LIGHT FIXTURE SCHEDULE

ICE

FIXT LTR	MANUFACTURER	CATALOG NUMBER	LAMPS WATTAGE	LAMPS TEMP	LAMPS LUMENS	FIXT VOLT	FINISH	MOUNTING	REMARKS

LIGHT FIXTURE SCHEDULE NOTES

ICE

GENERAL NOTES:

a. GENERAL CONTRACTOR SHALL PROVIDE FIREPROOFING AROUND RECESSED FIXTURES INSTALLED IN FIRE RATED CEILING PER U.L. REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL COORDINATE.

b. SEE SPECIFICATIONS FOR LAMP AND BALLAST TYPE. VERIFY LAMP COLOR WITH ARCHITECT PRIOR TO ORDERING.

c. PROVIDE ARROWS AND FACES AS INDICATED BY THE DRAWINGS.

d. MANUFACTURERS LISTED IN THIS SCHEDULE OR BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT. CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.

e. ALTERNATE LIGHT FIXTURE PACKAGES SHALL BE CONSIDERED FOR APPROVAL PENDING THE FOLLOWING INFORMATION IS PROVIDED TO THE ENGINEER OF RECORD SIX BUSINESS DAYS PRIOR TO THE PROJECT BIDDING:
·FIXTURE CUT SHEETS FOR ALL PROPOSED EQUAL FIXTURES. THE CUT SHEETS SHALL HAVE THE SPECIFIC MODEL NUMBER INDICATED ON EACH INDIVIDUAL CUT SHEET
·PROVIDE A COVER PAGE WITH ALL FIXTURE MODEL NUMBERS LISTED
·THE COVER PAGE AND ALL INDIVIDUAL FIXTURE CUT SHEETS SHALL BE COMBINED INTO A SINGLE PDF.

f. PACKAGES THAT ARE SUBMITTED THAT DO NOT MEET THE CRITERIA ABOVE WILL NOT BE REVIEWED FOR APPROVAL.

EC TO PROVIDE ALL LOW VOLTAGE WIRING FOR 0-10V DIMMABLE FIXTURES. PROVIDE PINK AND PURPLE PAIR OF WIRES TO CONNECT LUMINAIRES, DRIVERS AND DEVICES.

LIGHT FIXTURE SCHEDULE NOTES:

1. XXXXXXXX.

CU FEEDER SCHEDULE

ICE

FEEDER IDENT.	CONDUCTORS SETS	CONDUCTORS QUANT. PER SET	CONDUCTORS SIZE	GROUND SIZE PER SET	ISOLATED GRD. SIZE PER SET	CONDUIT SIZE PER SET
20.X	1	SEE NOTE 'b'	#12	#12	-----	1/2"
30.X	1	SEE NOTE 'b'	#10	#10	-----	1/2"
40.X	1	SEE NOTE 'b'	#8	#10	-----	3/4"
50.X	1	SEE NOTE 'b'	#6	#10	-----	1"
60.X	1	SEE NOTE 'b'	#4	#10	-----	1 1/4"
70.X	1	SEE NOTE 'b'	#4	#8	-----	1 1/4"
80.X	1	SEE NOTE 'b'	#3	#8	-----	1 1/4"
90.X	1	SEE NOTE 'b'	#2	#8	-----	1 1/4"
100.X	1	SEE NOTE 'b'	#1	#8	-----	1 1/2"
150.X	1	SEE NOTE 'b'	#1/0	#6	-----	2"
200.X	1	SEE NOTE 'b'	#3/0	#6	-----	2"
225.X	1	SEE NOTE 'b'	#4/0	#4	-----	2-1/2"
250.X	1	SEE NOTE 'b'	#250 KCMIL	#4	-----	2-1/2"
300.X	1	SEE NOTE 'b'	#350 KCMIL	#4	-----	3"
400.X	1	SEE NOTE 'b'	#600 KCMIL	#3	-----	4"
450.X	2	SEE NOTE 'b'	#4/0	#2	-----	2-1/2"
500.X	2	SEE NOTE 'b'	#250 KCMIL	#2	-----	2-1/2"
600.X	2	SEE NOTE 'b'	#350 KCMIL	#1	-----	3"
800.X	2	SEE NOTE 'b'	#600 KCMIL	#1/0	-----	4"
1200.X	4	SEE NOTE 'b'	#350 KCMIL	#3/0	-----	3"
1600.X	5	SEE NOTE 'b'	#400 KCMIL	#4/0	-----	3-1/2"
2000.X	6	SEE NOTE 'b'	#400 KCMIL	#250	-----	3"
2500.X	7	SEE NOTE 'b'	#500 KCMIL	#350	-----	4"

FEEDER SCHEDULE NOTES:

a. THIS PROJECT MAY NOT REQUIRE ALL FEEDER TYPES LISTED IN THIS SCHEDULE.

b. THE NUMBER OF CONDUCTORS WILL BE BASED ON THE FOLLOWING NOTATION AT THE END OF EACH FEEDER TAG:

EXAMPLE: XXXX.X
- AMPACITY
- XXXX.XS: INDICATES THE SERVICE FEEDER SIZE, AND NUMBER OF CONDUCTORS. NO GROUND SHALL BE REQUIRED FOR SERVICE FEEDERS.
- XXXX.2: INDICATES (2) HOT CONDUCTORS (OR 1 HOT + 1 NEUTRAL) FOR SINGLE PHASE CONNECTIONS
- XXXX.3: INDICATES (3) HOT CONDUCTORS FOR THREE PHASE CONNECTIONS,(OR 2 HOT +1 NEUTRAL) FOR SINGLE PHASE CONNECTIONS
- XXXX.4: INDICATES (3) HOT CONDUCTORS & (1) NEUTRAL CONDUCTOR. FOR THREE PHASE CONNECTIONS

GENERAL NOTES

ICE

1. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
2. REFER TO RELATED ARCHITECTURAL, MECHANICAL, AND STRUCTURAL DRAWINGS FOR RELATED INFORMATION.
3. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
4. COORDINATE OUTLET BOX LOCATIONS WITH MASONRY TO MINIMIZE CUTTING OF BRICK OR BLOCK.
5. WALL MOUNTING HEIGHTS TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
6. E.C. SHALL REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF MECHANICAL UNITS AND THERMOSTAT LOCATIONS.
7. CONDUIT RUN W/CONDUCTORS AS INDICATED, CONDUIT SIZE AS REQUIRED. CONDUIT RUN TO PANEL DEVICE SIZE AS INDICATED (AMP/POLE). CIRCUIT WITHOUT INDICATION IS ROUTED TO 20A.,1P. BREAKER. CONDUCTOR COUNT IS NOT SHOWN ON THE DRAWINGS FOR #12 SIZE CONDUCTORS. ELECTRICAL CONTRACTOR SHALL PROVIDE NUMBER OF CONDUCTORS AS REQUIRED FOR CIRCUITING, SWITCHING AND/OR CONTROL AS REQUIRED. ALL REQUIREMENTS OF THE CURRENT NATIONAL ELECTRICAL CODE SHALL BE FOLLOWED FOR CONDUIT FILL AND CONDUCTOR DE-RATING IF APPLICABLE.
8. EXIT LIGHTS AND EMERGENCY LIGHT FIXTURES WITH BATTERY BACKUP SHALL BE CIRCUITED WITH UNSWITCHED HOT CONDUCTOR FROM AREA LIGHTING CIRCUIT FOR POWER SENSING AND CHARGING. IN ADDITION, PROVIDE SWITCHED CIRCUITS TO ANY REQUIRED EMERGENCY LIGHT FIXTURES REQUIRING SAME FOR LOCAL AREA CONTROL.
9. "CT" INDICATED ADJACENT TO DEVICE INDICATES DEVICE IS MOUNTED ABOVE BACKSPLASH OF COUNTER TOP. VERIFY EXACT HEIGHT WITH ARCHITECTURAL PLANS AND ELEVATIONS.
10. A GROUND CONDUCTOR SIZED PER N. E. C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.
11. WHERE AREA SMOKE DETECTORS ARE SHOWN ON THE DRAWINGS ELECTRICAL CONTRACTOR SHALL NOT LOCATE SMOKE DETECTORS CLOSER THAN 4 FEET FROM ANY MECHANICAL AIR SUPPLY OR RETURN DIFFUSER, GRILLE, OR REGISTER PER NFPA. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR LOCATION OF DETECTOR.
12. AT EVERY SMOKE OR FIRE/SMOKE DAMPER ELECTRICAL CONTRACTOR SHALL INSTALL A DUCT SMOKE DETECTOR AND RELAY TO CLOSE DAMPER AND SHUT DOWN ASSOCIATED MECH UNIT ON ACTIVATION OF DETECTOR. REFER TO MECHANICAL PLANS AND SPECIFICATIONS AND/OR MECHANICAL CONTRACTOR FOR LOCATIONS AND CONTROL REQUIREMENTS. PROVIDE 120V. CONTROL POWER AT DAMPER IF REQUIRED. IF REQUIRED BY THE FIRE ALARM SYSTEM SUPPLIER, MECHANICAL CONTRACTOR SHALL MODIFY DUCTWORK WHERE FIRE/SMOKE DAMPERS ARE LOCATED AS REQUIRED TO INSTALL DUCT SMOKE DETECTORS IN THE DUCTWORK AT THE FIRE/SMOKE DAMPER LOCATIONS. NOT ALL SMOKE OR FIRE/SMOKE DAMPERS MAY BE SHOWN ON THE DRAWINGS, HOWEVER, ALL SMOKE OR FIRE/SMOKE DAMPERS SHALL BE PROVIDED WITH ABOVE REQUIREMENTS.
13. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MARKING ALL ELECTRICAL EQUIPMENT WITH THE AVAILABLE FAULT CURRENT PER NEC SECTION 480.6. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SYMBOL LIST

ICE

SYMBOL	DESCRIPTION	MOUNTING
A	LED FIXTURE & FIXTURE LETTER	CEILING
A	LED FIXTURE & FIXTURE LETTER	CEILING
A A	LED FIXTURE & FIXT. LETTER	SURF./RECESSED
A	LED FIXTURE & FIXT. LETTER	WALLBRACKET
	EXIT FIXT. - SHADING DENOTES FACE(S)	CEIL./WALL
E	EMERGENCY LIGHT	CEIL./WALL
	GFCI DUPLEX GROUNDED RECEPTACLE	1'-6" AFF
	DUPLEX GROUNDED RECEPTACLE	1'-6" AFF
	EXTERIOR GFCI RECEPT. WEATHERPROOF	1'-6" AFF
	DOUBLE DUPLEX RECEPTACLE	1'-6" AFF
	SPECIAL OUTLET, SEE SCHEDULE OR AS NOTED	
	OCCUPANCY SENSOR, SEE SCHEDULE OR AS NOTED	
	PHONE/DATA OUTLET	1'-6" AFF
	DATA OUTLET	1'-6" AFF
	CATV OUTLET	1'-6" AFF
	SWITCHED RECEPTACLE	1'-6" AFF
	TELEPHONE OUTLET (W= 44")	1'-6" AFF
$S S_3$ S_4$ S_D$ S_K$ S_P$	SWITCHES (1-POLE,3-WAY,DIMMER,KEY,PILOT)	4'-0" TO TOP
	PUSH BUTTON	
J	JUNCTION BOX	
A	BRANCH CIRCUIT PANEL & PANEL DESIG.	6'-6"TO TOP
30/3/240	H.D. SAFETY SWITCH (AMPS,POLE,VOLTAGE)	6'-6"TO TOP
0/3/240	STARTER (SIZE,POLE,VOLTAGE)	6'-6"TO TOP
X	PLAN NOTE	
	MOTOR	
	CONDUIT RUN W/ CONDUCTORS SEE NOTE #7	CEIL./WALL
	CONDUIT RUN 2 CIRCUIT, SEE NOTE #7	EARTH/FLOOR
	PARTIAL HOMERUN (MULTIPLE LOAD LOCATIONS)	
30.3 / 30/3	FEEDER 30.3 30A CIRCUIT SEE NOTE #7	
XXX.X	FEEDER IDENTIFICATION, SEE SCHEDULE	
EX	EXISTING	
CM	CEILING MOUNT	
CT	SEE NOTE #9	
WP	WEATHERPROOF	
EM	ITEM SUPPLIED FROM EMERGENCY SYSTEM	
a,b,c	INDICATES SWITCHING SCHEME	
TP	TAMPER PROOF	
FACP	FIRE ALARM CONTROL PANEL	
FAAP	FIRE ALARM ANNUNCIATOR PANEL	
NL	NIGHT LIGHT, WIRED FOR ALWAYS ON OPERATION	
	FIRE ALARM MANUAL STATION	4'-0" TO TOP
	COMB. F.A. HORN & VISUAL SIGNAL	WALL 80"AFF
	FIRE ALARM VISUAL SIGNAL	WALL 80"AFF
	AREA SMOKE DETECTOR, SEE GEN. NOTE #11	CEIL./WALL
	HEAT DETECTOR	CEIL./WALL
	DUCT DETECTOR	
	MAGNETIC DOOR HOLD OPEN	

FIRE ALARM SYMBOL LIST

ICE

SYMBOL	DESCRIPTION	MOUNTING
	FIRE ALARM MANUAL STATION	4'-0" TO TOP
	F.A. HORN/STROBE SIGNAL UNIT	WALL 80"AFF
	FIRE ALARM STROBE SIGNAL UNIT	WALL 80"AFF
	INDOOR WALL SPEAKER	WALL 80"AFF
	CEILING SPEAKER	CEILING
	CEILING SPEAKER STROBE DEVICE	CEILING
	WALL SPEAKER STROBE DEVICE	WALL 80"AFF
	AREA SMOKE DETECTOR, SEE GEN. NOTE #11	CEIL./WALL
C	CARBON MONOXIDE DETECTOR	CEIL./WALL
D	DUCT DETECTOR	
	HEAT DETECTOR	CEIL./WALL
	OUTDOOR WALL SPEAKER	
	DOOR HOLDER MAGNET	CEIL./WALL
FACP	FIRE ALARM CONTROL PANEL	
FAAP	FIRE ALARM ANNUNCIATOR PANEL	
WM	WALL MOUNTED	
CM	CEILING MOUNTED	

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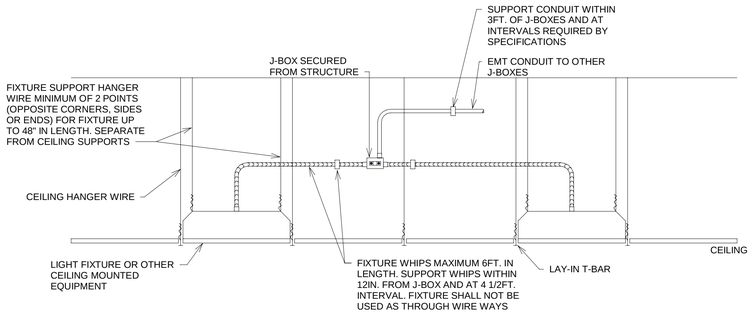
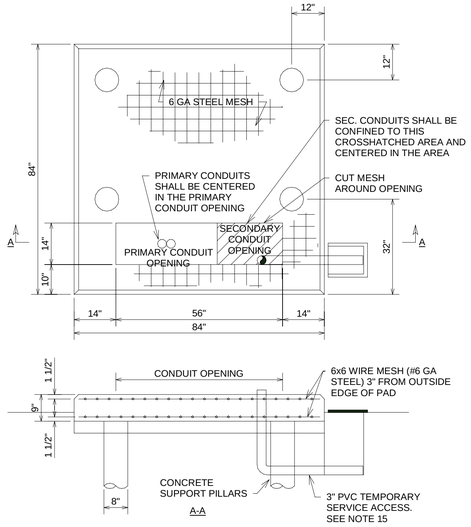
E1.1



D LIGHT FIXTURE MOUNTING DETAIL

SCALE: N.T.S.

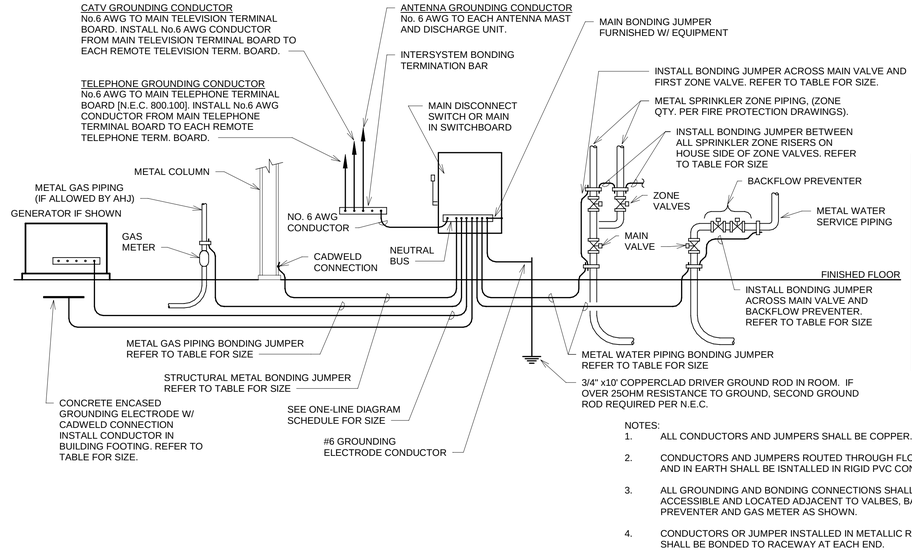


NOTES:

1. PAD LOCATION SHALL BE APPROVED BY LOCAL UTILITY COMPANY.
2. TRANSFORMER SHALL BE INSTALLED NEAR THE CUSTOMER'S SERVICE ENTRANCE.
3. IF TRANSFORMER PAD IS INSTALLED IN AN AREA SUBJECT TO VEHICULAR TRAFFIC, THE INSTALL SHALL BE PROTECTED WITH A PIPE-RAIL GUARD. (SEE SS-77.9)
4. FOR PROPER CLEARANCE AROUND THE TRANSFORMER, REFER TO SS-75.0.
5. CONTRACTOR SHALL EXTEND FORMS DOWN TO AT LEAST 3" BELOW AVERAGE GROUND LINE.
6. CONCRETE SHALL BE A MINIMUM OF 3,000 LB. MIX.
7. TOP OF TRANSFORMER PAD SHALL RECIEVE A SMOOTH TROWEL FINISH. CORNERS AND EDGES SHALL BE ROUNDED OR BEVELED.
8. CONDUIT OPENING SHALL BE FREE AND CLEAR OF CONCRETE.
9. TOPS OF THE CONDUIT SHALL BE FLUSH WITH THE TOP OF THE CONCRETE PAD.
10. NUMBER OF CONDUITS NECESSARY IS DEPENDENT ON THE MAXIMUM NUMBER OF SERVICE CONDUCTORS ALLOWED IN THE LOW-VOLTAGE COMPARTMENT OF THE TRANSFORMER. REFER TO SS-73.1 FOR MAXIMUM NUMBER. INSTALL 1-1/4" METERING CONDUIT FROM PAD TO METER ENCLOSURE WHEN TRANSFORMER RATED METERING IS SET ON ADJACENT BUILDING OR STAND & METERING TRANSFORMERS ARE IN PADMOUNT TRANSFORMER. (SEE SS-74.0)
11. PILLARS ARE FORMED BY AUGERING AND 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH. A SEPARATOR, SUCH AS TAR PAPER, SHOULD BE PLACED BETWEEN THE PULLAR AND THE PAD SO THAT THE PAD CAN BE LEVELED AT A LATER TIME IF NECESSARY.
12. LOCAL UTILITES RESERVES THE RIGHT NOT TO ACCEPT THE CONDITION OF THE CONCRETE PAD IF IT FAILS TO MEET THE REQUIREMENTS STATED IN THIS STANDARD.
13. THE 6" ABOVE GRAD CAN REDUCED TO 4" ABOVE FINISHED PAVEMENT.
14. CONDUIT OPENING DIMENSIONS PERTAIN TO ABB & GE (1991 & NEWER) TRANSFORMERS. CHECK WITH LOCAL UTILITY SERVICE CENTER TO BE SURE THAT THE OPENING IS THE CORRECT SIZE FOR THE TRANSFORMER DESIGNATED FOR THE JOB. CALL LOCAL SERVICE CENTER TO CONFIRM PAD DIMENSIONS BEFORE PAD IS POURED.
15. CONDUIT TO EXTEND 1' TO 2' BEYOND EDGE OF PAD. DO NOT BACKFILL. USE MIN. 3/4" PLYWOOD OR COMPARABLE COVER TO SECURE HOLD.

C TRANSFORMER PAD DETAIL

SCALE: N.T.S.



COPPER BONDING JUMPER SIZING CHART	
SERVICE SIZE	SIZE OF CONDUCTOR
≤90A	8
100-150A	6
200A	4
225A-300A	2
400A	1/0
425-500A	2/0
≥525A	3/0

NOTES:

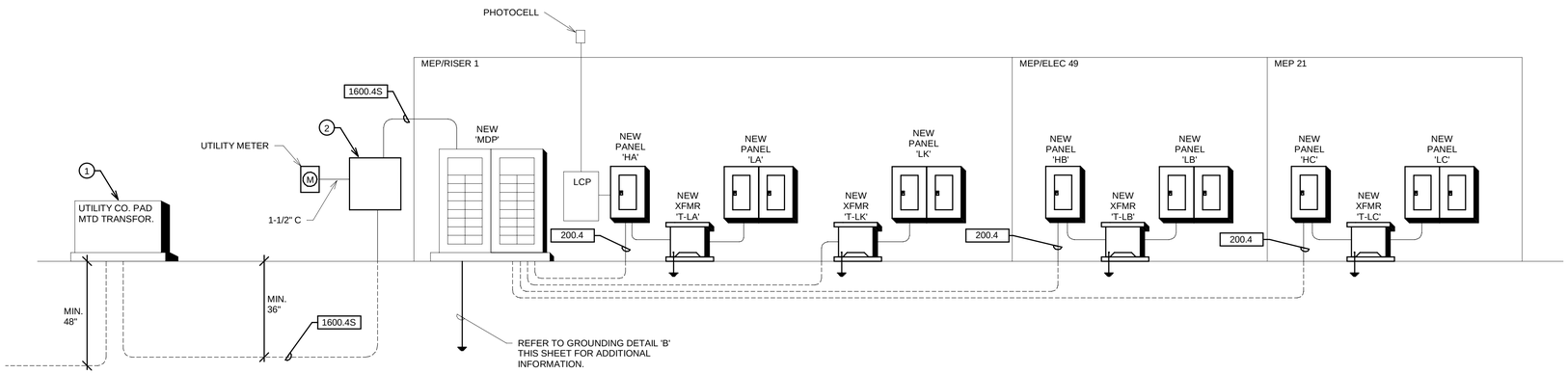
1. ALL CONDUCTORS AND JUMPERS SHALL BE COPPER.
2. CONDUCTORS AND JUMPERS ROUTED THROUGH FLOOR SLABS AND IN EARTH SHALL BE ISNTALLED IN RIGID PVC CONDUIT.
3. ALL GROUNDING AND BONDING CONNECTIONS SHALL BE ACCESSIBLE AND LOCATED ADJACENT TO VALBES, BACKFLOW PREVENTER AND GAS METER AS SHOWN.
4. CONDUCTORS OR JUMPER INSTALLED IN METALLIC RACEWAY SHALL BE BONDED TO RACEWAY AT EACH END.

B SYSTEM GROUNDING DETAIL

SCALE: N.T.S.

RISER NOTES:

1. NEW PAD MOUNTED UTILITY TRANSFORMER FOR 277/480V, 3 PHASE, 4 WIRE SERVICE TO NEW ELEMENTARY SCHOOL BUILDING. CONTRACTOR TO COORDINATE ALL CONSTRUCTION REQUIREMENTS WITH OGE ELECTRIC PRIOR TO BID. TRENCHING AND ALL UNDERGROUND CONDUITS SHALL BE PROVIDED BY CONTRACTOR.
2. CONTRACTOR TO PROVIDE AND INSTALL CT CABINET ASSOCIATED WITH ELECTRIC SERVICE. COORDINATE EXACT SIZE, LOCATION, AND ALL ELECTRICAL REQUIREMENTS WITH OGE ELECTRIC PRIOR TO INSTALL.



A RISER DIAGRAM

SCALE: N.T.S.
277/480V, 3Ø, 4W

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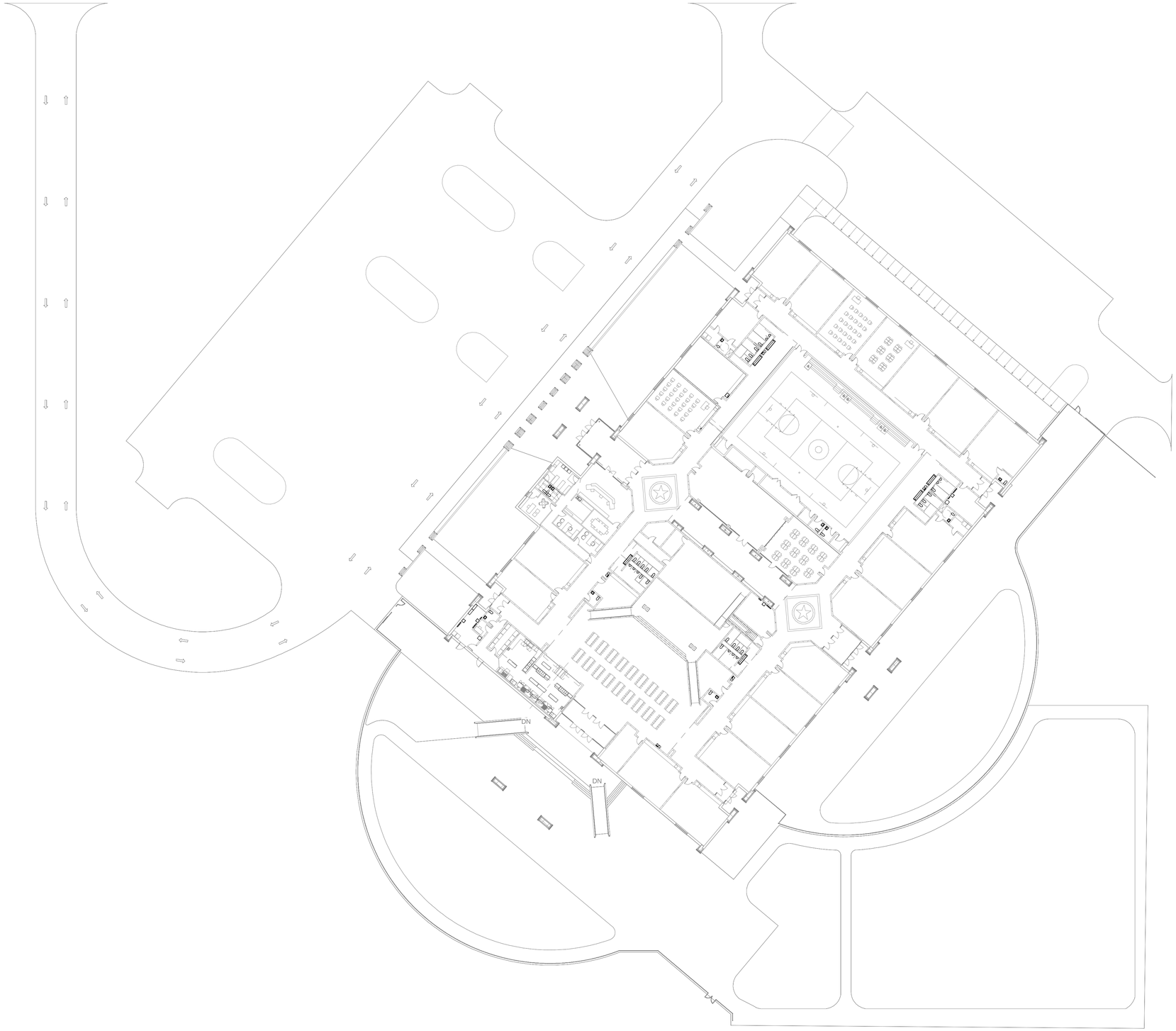
E1.2

GENERAL NOTES:

1. ALL CIRCUITS INDICATED ON DRAWINGS SHALL BE 20A, 120V CIRCUITS WITH (2)-#12'S AND (1)-#12 G. IN 0.5" CONDUIT U.O.N.
2. LABEL ALL SNAP SWITCH COVERPLATES WITH THE PANEL AND CIRCUIT NUMBER.
3. REFER TO RELATED ARCHITECTURAL DRAWINGS FOR RELATED INFORMATION
4. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
5. WALL MOUNTING HEIGHTS TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
6. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.

(#) E2.0 PLAN NOTES



A ELECTRICAL SITE PLAN

0' 10' 20' 30' 1" = 30'-0"

NORTH

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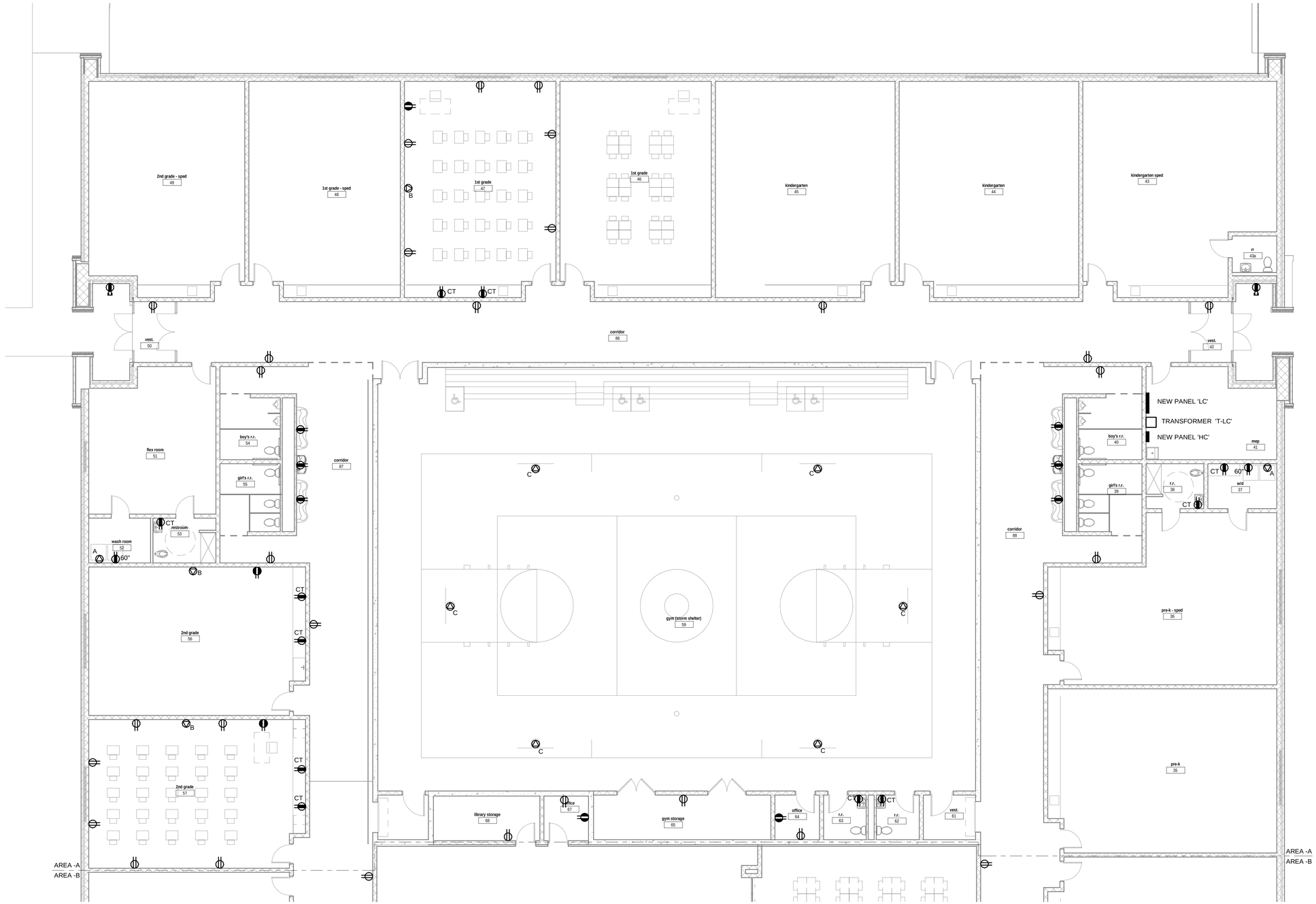
E2.0

GENERAL NOTES:

1. ALL CIRCUITS INDICATED ON DRAWINGS SHALL BE 20A, 120V CIRCUITS WITH (2)-#12'S AND (1)-#12 G. IN 0.5" CONDUIT U.O.N.
2. LABEL ALL SNAP SWITCH COVERPLATES WITH THE PANEL AND CIRCUIT NUMBER.
3. REFER TO RELATED ARCHITECTURAL DRAWINGS FOR RELATED INFORMATION.
4. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
5. WALL MOUNTING HEIGHTS TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
6. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.

(#) E2.1 PLAN NOTES



A FLOOR PLAN - POWER - AREA-A

1/8" = 1'-0"

NORTH

25171.00 - 622

OKLAHOMA REGISTRATION NUMBER: 5682
Integrated Consulting Engineers, Inc.
349 South Hydraulic • Wichita, KS 67211
316.264.3588 • 316.264.3948 • www.iconengineers.net

PROGRESS PRINT NOT FOR CONSTRUCTION

date issued:					
02-02-18					

EPS EISENHOWER EXPANSION P.O. #2025-21-103

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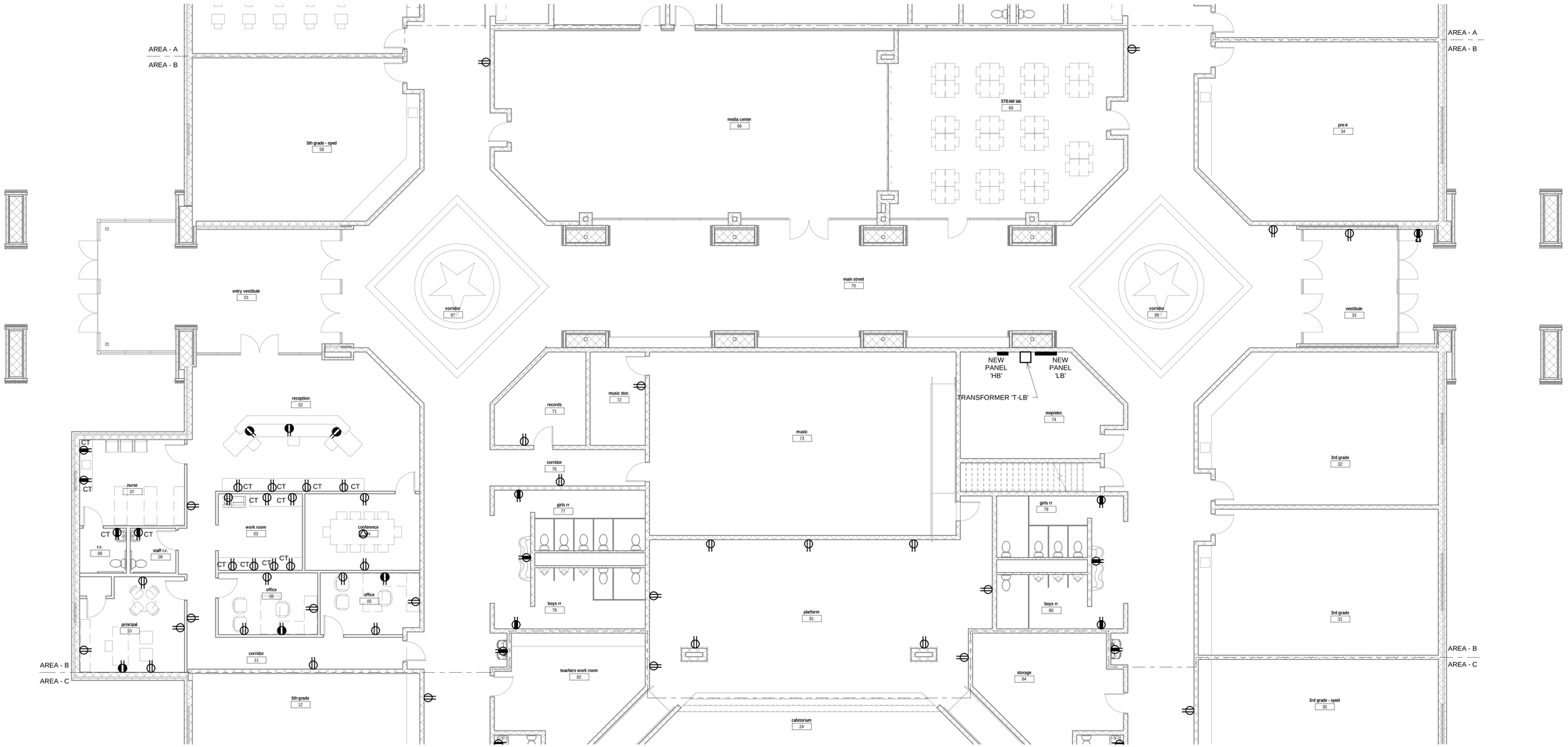
CORBIN MERZ HANEY
ARCHITECTURE INTERIOR DESIGN
302 NORTH INDEPENDENCE ENID, OK 73701 WWW.CORBINMERZHANEY.COM PH (580)233-2362

E2.1

GENERAL NOTES:

1. ALL CIRCUITS INDICATED ON DRAWINGS SHALL BE 20A, 120V CIRCUITS WITH (2)-#12'S AND (1)-#12 G. IN 0.5" CONDUIT U.O.N.
2. LABEL ALL SNAP SWITCH COVERPLATES WITH THE PANEL AND CIRCUIT NUMBER.
3. REFER TO RELATED ARCHITECTURAL DRAWINGS FOR RELATED INFORMATION.
4. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
5. WALL MOUNTING HEIGHTS TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
6. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.

(#) E2.2 PLAN NOTES



A FLOOR PLAN - POWER - AREA-B

0' 4' 8' 12' 1/8" = 1'-0"

NORTH

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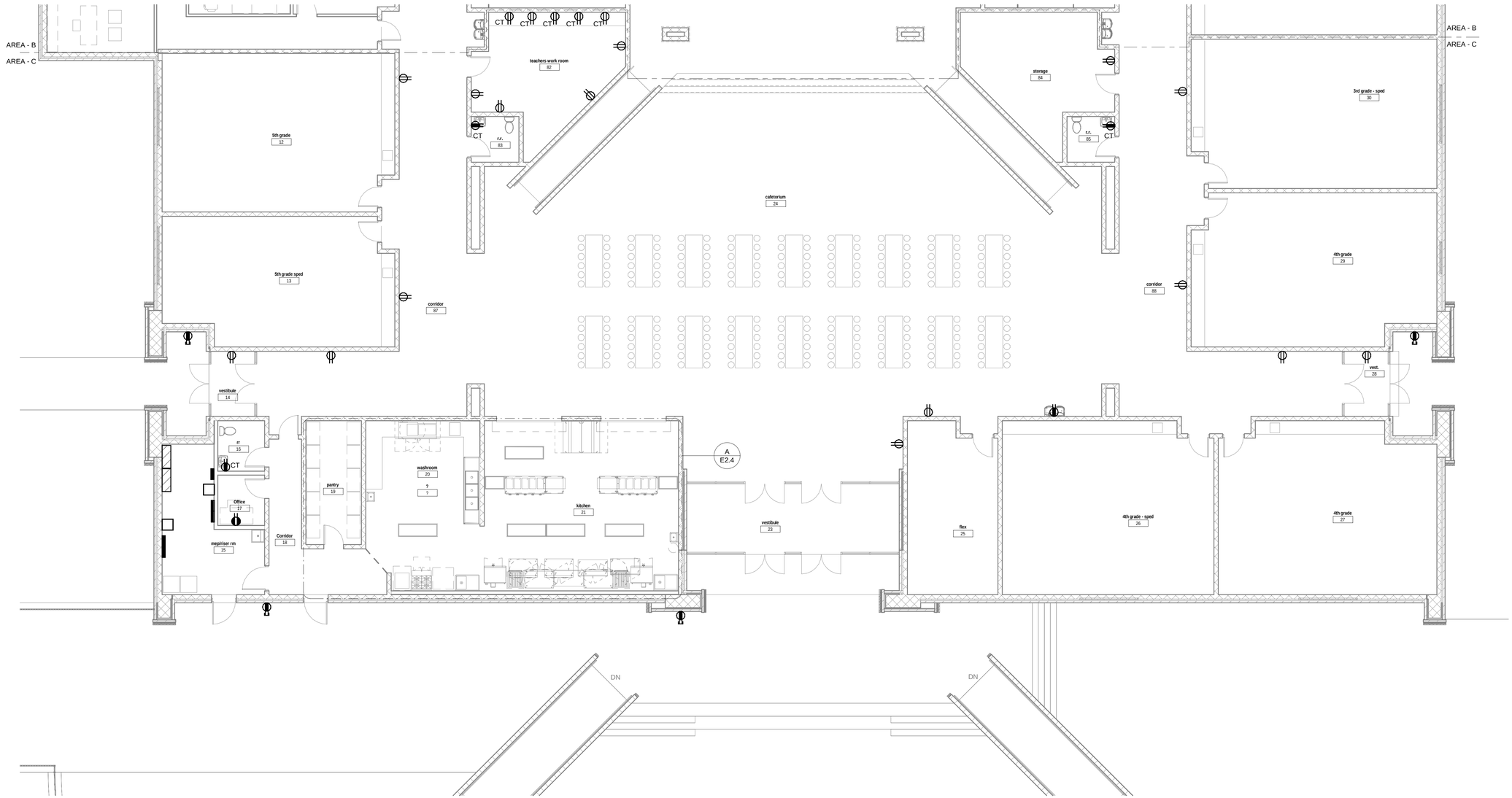
ARCHITECTURE INTERIOR DESIGN
502 NORTH INDEPENDENCE ENID, OK 73701 WWW.CORBINMERZHANEY.COM PH:(580)233-2362

E2.2

GENERAL NOTES:

1. ALL CIRCUITS INDICATED ON DRAWINGS SHALL BE 20A, 120V CIRCUITS WITH (2)-#12'S AND (1)-#12 G. IN 0.5" CONDUIT U.O.N.
2. LABEL ALL SNAP SWITCH COVERPLATES WITH THE PANEL AND CIRCUIT NUMBER.
3. REFER TO RELATED ARCHITECTURAL DRAWINGS FOR RELATED INFORMATION.
4. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
5. WALL MOUNTING HEIGHTS TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED.
6. A GROUND CONDUCTOR SIZED PER N.E.C. ARTICLE 250 IS REQUIRED IN ALL POWER, RECEPTACLE, AND LIGHTING CIRCUITS. GROUND CONDUCTORS ARE NOT SHOWN ON DRAWINGS.

#E2.3 PLAN NOTES



A FLOOR PLAN - POWER - AREA-C

0' 4' 8' 12' 1/8" = 1'-0"

NORTH

25171.00 - 622
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E2.3

date issued: 02-02-18

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Eisenhower Elementary School

Enid, Oklahoma

Design Development Outline Specification

1301 w fox drive, enid, oklahoma 73703

ENID, OKLAHOMA

DATE ISSUED:
JULY 01, 2025

CORBIN ◆ MERZ ◆ HANEY
ARCHITECTURE INTERIOR DESIGN

302 NORTH INDEPENDENCE, SUITE 206, ENID, OKLAHOMA 73701
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PRELIMINARY
NOT FOR CONSTRUCTION

SECTION 000110
TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS

2.01 DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

A. 000110 - Table of Contents

SPECIFICATIONS

3.01 DIVISION 01 -- GENERAL REQUIREMENTS

A. 012500 - Substitution Procedures

B. 014000 - Quality Requirements

C. 015000 - Temporary Facilities and Controls

D. 015100 - Temporary Utilities

E. 016000 - Product Requirements

F. 017000 - Execution and Closeout Requirements

G. 017800 - Closeout Submittals

3.02 DIVISION 02 -- EXISTING CONDITIONS

A. 024100 - Demolition

3.03 DIVISION 03 -- CONCRETE

A. 031000 - Concrete Forming and Accessories

B. 032000 - Concrete Reinforcing

C. 033000 - Cast-in-Place Concrete

D. 033511 - Concrete Floor Finishes

3.04 DIVISION 04 -- MASONRY

A. 042000 - Unit Masonry

B. 047200 - Cast Stone Masonry

3.05 DIVISION 05 -- METALS

A. 051200 - Structural Steel Framing

B. 052100 - Steel Joist Framing

C. 053100 - Steel Decking

D. 054000 - Cold-Formed Metal Framing

E. 055000 - Metal Fabrications

3.06 DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES

A. 061000 - Rough Carpentry

B. 062000 - Finish Carpentry

C. 064100 - Architectural Wood Casework

3.07 DIVISION 07 -- THERMAL AND MOISTURE PROTECTION

A. 071400 - Fluid-Applied Waterproofing

B. 072100 - Thermal Insulation

C. 072700 - Air Barriers

D. 074213 - Metal Wall Panels

E. 075400 - Thermoplastic Membrane Roofing

F. 076200 - Sheet Metal Flashing and Trim
G. 078400 - Firestopping
H. 079200 - Joint Sealants

3.08 DIVISION 08 -- OPENINGS

A. 081113 - Hollow Metal Doors and Frames
B. 081416 - Flush Wood Doors
C. 083100 - Access Doors and Panels
D. 083313 - Coiling Counter Doors
E. 083323 - Overhead Coiling Doors
F. 084313 - Aluminum-Framed Storefronts
G. 087100 - Door Hardware
H. 088000 - Glazing
I. 088300 - Mirrors

3.09 DIVISION 09 -- FINISHES

A. 092116 - Gypsum Board Assemblies
B. 092236 - Lath
C. 092400 - Cement Plastering
D. 093000 - Tiling
E. 095100 - Acoustical Ceilings
F. 096500 - Resilient Flooring
G. 096566 - Resilient Athletic Flooring
H. 096623 - Resinous Matrix Terrazzo Flooring
I. 096813 - Tile Carpeting
J. 09 8400 - Acoustic Room Components
K. 098430 - Sound-Absorbing Wall and Ceiling Units
L. 099113 - Exterior Painting
M. 099123 - Interior Painting
N. 099300 - Staining and Transparent Finishing

3.10 DIVISION 10 -- SPECIALTIES

A. 101100 - Visual Display Units
B. 101416 - Plaques
C. 101419 - Dimensional Letter Signage
D. 101423 - Panel Signage
E. 102800 - Toilet, Bath, and Laundry Accessories
F. 104400 - Fire Protection Specialties
G. 107500 - Flagpoles

3.11 DIVISION 11 -- EQUIPMENT

A. 114000 - Foodservice Equipment
B. 115213 - Projection Screens
C. 116143 - Stage Curtains
D. 116623 - Gymnasium Equipment

3.12 DIVISION 12 -- FURNISHINGS

A. 122400 - Window Shades
B. 123200 - Manufactured Wood Casework
C. 123600 - Countertops
D. 126613 - Telescoping Bleachers

3.13 DIVISION 15 -- MECHANICAL (REFER TO MECHANICAL DRAWINGS FOR SPECIFICATIONS)

3.14 DIVISION 16 -- ELECTRICAL (REFER TO ELECTRICAL DRAWINGS FOR SPECIFICATIONS)

3.15 DIVISION 31 -- EARTHWORK

A. 311000 - Site Clearing
B. 312200 - Grading
C. 312316 - Excavation
D. 312316.13 - Trenching
E. 312323 - Fill
F. 313116 - Termite Control

3.16 DIVISION 32 -- EXTERIOR IMPROVEMENTS

A. 321123 - Aggregate Base Courses
B. 321726 - Tactile Warning Surfacing
C. 321813 - Synthetic Grass Surfacing
D. 323113 - Chain Link Fences and Gates
E. 323119 - Decorative Metal Fences and Gates
F. 323300 - Site Furnishings
G. 323313 - Site Bicycle Racks
H. 329223 - Sodding
I. 329300 - Plants

END OF SECTION

SECTION 012500
SUBSTITUTION PROCEDURES

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 002113 - Instructions to Bidders: Restrictions on timing of substitution requests.

1.02 DEFINITIONS

A. Substitutions: Changes from Contract Documents requirements proposed by Contractor to materials, products, assemblies, and equipment.
   1. Substitutions for Cause: Proposed due to changed Project circumstances beyond Contractor's control.
      a. Unavailability.
      b. Regulatory changes.
   2. Substitutions for Convenience: Proposed due to possibility of offering substantial advantage to the Project.
      a. Substitution requests offering advantages solely to the Contractor will not be considered.

1.03 REFERENCE STANDARDS

A. CSI/CSC Form 1.5C - Substitution Request (During the Bidding/Negotiating Stage); Current Edition.

B. CSI/CSC Form 13.1A - Substitution Request (After the Bidding/Negotiating Phase); Current Edition.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 GENERAL REQUIREMENTS

A. A Substitution Request for products, assemblies, materials, and equipment constitutes a representation that the submitter:
   1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product, equipment, assembly, or system.
   2. Agrees to provide the same warranty for the substitution as for the specified product.
   3. Agrees to coordinate installation and make changes to other work that may be required for the work to be complete, with no additional cost to Owner.
   4. Waives claims for additional costs or time extension that may subsequently become apparent.

B. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents. Burden of proof is on proposer.

C. Content: Include information necessary for tracking the status of each Substitution Request, and information necessary to provide an actionable response.
   1. Forms indicated in the Project Manual are adequate for this purpose, and must be used.

D. Limit each request to a single proposed substitution item.

3.02 SUBSTITUTION PROCEDURES DURING PROCUREMENT

A. Submittal Time Restrictions:
   1. Section 002113 - Instructions to Bidders specifies time restrictions and the documents required for submitting substitution requests during the bidding period.

B. Submittal Form (before award of contract):
   1. Submit substitution requests by completing CSI/CSC Form 1.5C - Substitution Request. See this form for additional information and instructions. Use only this form; other forms of submission are unacceptable.

3.03 SUBSTITUTION PROCEDURES DURING CONSTRUCTION

A. Submittal Form (after award of contract):
   1. Submit substitution requests by completing CSI/CSC Form 13.1A - Substitution Request (After Bidding/Negotiating). See this form for additional information and instructions. Use only this form; other forms of submission are unacceptable.

B. Architect will consider requests for substitutions only within 15 days after date of Agreement.

3.04 RESOLUTION

A. Architect may request additional information and documentation prior to rendering a decision. Provide this data in an expeditious manner.

B. Architect will notify Contractor in writing of decision to accept or reject request.
   1. Architect's decision following review of proposed substitution will be noted on the submitted form.

3.05 ACCEPTANCE

A. Accepted substitutions change the work of the Project. They will be documented and incorporated into work of the project by Change Order, Construction Change Directive, Architectural Supplementary Instructions, or similar instruments provided for in the Conditions of the Contract.

3.06 CLOSEOUT ACTIVITIES

A. See Section 017800 - Closeout Submittals, for closeout submittals.

B. Include completed Substitution Request Forms as part of the Project record.

END OF SECTION

SECTION 014000
QUALITY REQUIREMENTS

PART 1 GENERAL

1.01 REFERENCE STANDARDS

1.02 TESTING AND INSPECTION AGENCIES AND SERVICES

PART 3 EXECUTION

2.01 CONTROL OF INSTALLATION

A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.

B. Comply with manufacturers' instructions, including each step in sequence.

C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before proceeding.

D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.

E. Have work performed by persons qualified to produce required and specified quality.

F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.

G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.

2.02 MOCK-UPS

A. Tests shall be performed under provisions identified in this section and identified in the respective product specification sections.

B. Assemble and erect specified items with specified attachment and anchorage devices, flashings, seals, and finishes.

C. Architect will use accepted mock-ups as a comparison standard for the remaining Work.

D. Where mock-up has been accepted by Architect and is specified in product specification sections to be removed, protect mock-up throughout construction, remove mock-up and clear area when directed to do so by Architect.

2.03 TOLERANCES

A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.

B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from Architect before proceeding.

C. Adjust products to appropriate dimensions; position before securing products in place.

2.04 TESTING AND INSPECTION

A. Testing Agency Duties:
   1. Provide qualified personnel at site. Cooperate with Architect and Contractor in performance of services.
   2. Perform specified sampling and testing of products in accordance with specified standards.
   3. Ascertain compliance of materials and mixes with requirements of Contract Documents.
   4. Promptly notify Architect and Contractor of observed irregularities or non-compliance of Work or products.
   5. Perform additional tests and inspections required by Architect.
   6. Submit reports of all tests/inspections specified.

B. Limits on Testing/Inspection Agency Authority:
   1. Agency may not release, revoke, alter, or enlarge on requirements of Contract Documents.
   2. Agency may not approve or accept any portion of the Work.
   3. Agency may not assume any duties of Contractor.
   4. Agency has no authority to stop the Work.

C. Contractor Responsibilities:
   1. Deliver to agency at designated location, adequate samples of materials proposed to be used that require testing, along with proposed mix designs.
   2. Cooperate with laboratory personnel, and provide access to the Work and to manufacturers' facilities.
   3. Provide incidental labor and facilities:
      a. To provide access to Work to be tested/inspected.
      b. To obtain and handle samples at the site or at source of Products to be tested/inspected.
      c. To facilitate tests/inspections.
      d. To provide storage and curing of test samples.
   4. Notify Architect and laboratory 24 hours prior to expected time for operations requiring testing/inspection services.
   5. Employ services of an independent qualified testing laboratory and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.
   6. Arrange with Owner's agency and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.

D. Re-testing required because of non-compliance with specified requirements shall be performed by the same agency on instructions by Architect.

E. Re-testing required because of non-compliance with specified requirements shall be paid for by Contractor.

2.05 DEFECT ASSESSMENT

A. Replace Work or portions of the Work not complying with specified requirements.

B. If, in the opinion of Architect, it is not practical to remove and replace the work, Architect will direct an appropriate remedy or adjust payment.

END OF SECTION

SECTION 015000
TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.01 RELATED REQUIREMENTS

A. Section 015100 - Temporary Utilities.

1.02 REFERENCE STANDARDS

A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2022.

B. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009 (Reapproved 2016).

1.03 TEMPORARY UTILITIES - SEE SECTION 015100

A. Use trigger-operated nozzles for water hoses, to avoid waste of water.

1.04 TELECOMMUNICATIONS SERVICES

A. Provide, maintain, and pay for telecommunications services to field office at time of project mobilization.

1.05 TEMPORARY SANITARY FACILITIES

A. Provide and maintain required facilities and enclosures. Provide at time of project mobilization.

B. Maintain daily in clean and sanitary condition.

1.06 BARRIERS

A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public and to protect existing facilities and adjacent properties from damage from construction operations and demolition.

B. Provide barricades and covered walkways required by governing authorities for public rights-of-way and for public access to existing building.

C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.

1.07 FENCING

A. Provide 6 foot high fence around construction site; equip with vehicular and pedestrian gates with locks.

1.08 EXTERIOR ENCLOSURES

A. Provide temporary insulated weather tight closure of exterior openings to accommodate acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification sections, and to prevent entry of unauthorized persons. Provide access doors with self-closing hardware and locks.

1.09 INTERIOR ENCLOSURES

A. Provide temporary partitions and ceilings as indicated to separate work areas from Owner-occupied areas, to prevent penetration of dust and moisture into Owner-occupied areas, and to prevent damage to existing materials and equipment.

B. Construction: Framing and gypsum board sheet materials with closed joints and sealed edges at intersections with existing surfaces:
   1. STC rating of 35 in accordance with ASTM E90.
   2. Maximum flame spread rating of 75 in accordance with ASTM E84.

1.10 VEHICULAR ACCESS AND PARKING

A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.

B. Coordinate access and haul routes with governing authorities and Owner.

C. Provide and maintain access to fire hydrants, free of obstructions.

D. Provide means of removing mud from vehicle wheels before entering streets.

E. Provide temporary parking areas to accommodate construction personnel. When site space is not adequate, provide additional off-site parking.

1.11 WASTE REMOVAL

A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.

B. Provide containers with lids. Remove trash from site periodically.

C. If materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.

D. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

1.12 FIELD OFFICES

A. Office: Weathertight, with lighting, electrical outlets, heating, cooling equipment, and equipped with sturdy furniture, drawing rack, and drawing display table.

B. Provide space for Project meetings, with table and chairs to accommodate 6 persons.

C. Locate offices a minimum distance of 30 feet from existing and new structures.

1.13 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. Remove temporary utilities, equipment, facilities, materials, prior to Date of Substantial Completion inspection.

B. Remove underground installations to a minimum depth of 2 feet. Grade site as indicated.

C. Clean and repair damage caused by installation or use of temporary work.

D. Restore existing facilities used during construction to original condition.

E. Restore new permanent facilities used during construction to specified condition.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 015100
TEMPORARY UTILITIES

PART 1 GENERAL

1.01 REFERENCE STANDARDS

A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

1.02 TEMPORARY ELECTRICITY

A. Cost: By Owner.

B. Provide power service required from utility source.

C. Provide temporary electric feeder from existing building electrical service at location as directed.

D. Provide power outlets for construction operations, with branch wiring and distribution boxes located as required. Provide flexible power cords as required.

E. Provide main service disconnect and over-current protection at convenient location and meter.

F. Permanent convenience receptacles may be utilized during construction.

G. Provide adequate distribution equipment, wiring, and outlets to provide single phase branch circuits for power and lighting.

1.03 TEMPORARY LIGHTING FOR CONSTRUCTION PURPOSES

A. Provide and maintain LED, compact fluorescent, or high-intensity discharge lighting as suitable for the application for construction operations in accordance with requirements of 29 CFR 1926 and authorities having jurisdiction.

B. Provide branch wiring from power source to distribution boxes with lighting conductors, pigtails, and lamps as required.

C. Maintain lighting and provide routine repairs.

1.04 TEMPORARY HEATING

A. Cost of Energy: By Owner.

B. Provide heating devices and heat as needed to maintain specified conditions for construction operations.

C. Maintain minimum ambient temperature of 50 degrees F in areas where construction is in progress, unless indicated otherwise in specifications.

1.05 TEMPORARY COOLING

A. Cost of Energy: By Owner.

B. Provide cooling devices and cooling as needed to maintain specified conditions for construction operations.

C. Maintain maximum ambient temperature of 80 degrees F in areas where construction is in progress, unless indicated otherwise in specifications.

1.06 TEMPORARY VENTILATION

A. Provide temporary ventilation as necessary for construciton operations and to comply with applicable safety regulations.

1.07 TEMPORARY WATER SERVICE

A. Cost of Water Used: By Owner.

B. Provide and maintain suitable quality water service for construction operations at time of project mobilization.

C. Exercise measures to conserve water.

D. Extend branch piping with outlets located so water is available by hoses with threaded connections. Provide temporary pipe insulation to prevent freezing.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 016000
PRODUCT REQUIREMENTS

PART 1 GENERAL

1.01 REFERENCE STANDARDS

A. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.02 SUBMITTALS

A. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.

B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility connection requirements, and location of utility outlets for service for functional equipment and appliances.

C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
   1. For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures, and patterns.

PART 2 PRODUCTS

2.01 EXISTING PRODUCTS

A. Do not use materials and equipment removed from existing premises unless specifically required or permitted by Contract Documents.

2.02 NEW PRODUCTS

A. Provide new products unless specifically required or permitted by Contract Documents.

B. Provide interchangeable components by the same manufacture for components being replaced.

C. Wiring Terminations: Provide terminal lugs to match branch circuit conductor quantities, sizes, and materials indicated. Size terminal lugs to NFPA 70, include lugs for terminal box.

D. Cord and Plug: Provide minimum 6 foot cord and plug including grounding connector for connection to electric wiring system. Cord of longer length is specified in individual specification sections.

2.03 PRODUCT OPTIONS

A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or description.

B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, no options or substitutions allowed.

C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.

2.04 MAINTENANCE MATERIALS

A. Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification sections.

B. Deliver to Project site; obtain receipt prior to final payment.

PART 3 EXECUTION

3.01 SUBSTITUTION LIMITATIONS

A. See Section 012500 - Substitution Procedures.

3.02 TRANSPORTATION AND HANDLING

A. Package products for shipment in manner to prevent damage; for equipment, package to avoid loss of factory calibration.

B. If special precautions are required, attach instructions prominently and legibly on outside of packaging.

C. Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential damage to stored materials.

D. Transport and handle products in accordance with manufacturer's instructions.

E. Transport materials in covered trucks to prevent contamination of product and littering of surrounding areas.

F. Promptly inspect shipments to ensure that products comply with requirements, quantities are correct, and products are undamaged.

G. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage, and to minimize handling.

H. Arrange for the return of packing materials, such as wood pallets, where economically feasible.

3.03 STORAGE AND PROTECTION

A. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication. See Section 017419.

B. Store and protect products in accordance with manufacturers' instructions.

C. Store with seals and labels intact and legible.

D. Store sensitive products in weathertight, climate-controlled enclosures in an environment favorable to product.

E. For exterior storage of fabricated products, place on sloped supports above ground.

F. Protect products from damage or deterioration due to construction operations, weather, precipitation, humidity, temperature, sunlight and ultraviolet light, dirt, dust, and other contaminants.

G. Comply with manufacturer's warranty conditions, if any.

H. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products.

I. Prevent contact with material that may cause corrosion, discoloration, or staining.

J. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.

K. Arrange storage of products to permit access for inspection. Periodically inspect to verify products are undamaged and are maintained in acceptable condition.

END OF SECTION

SECTION 017000
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 REFERENCE STANDARDS

A. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2022, with Errata (2021).

1.02 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Survey work: Submit name, address, and telephone number of Surveyor before starting survey work.
   1. On request, submit documentation verifying accuracy of survey work.
   2. Submit a copy of site drawing signed by the Land Surveyor, that the elevations and locations of the work are in compliance with Contract Documents.
   3. Submit surveys and survey logs for the project record.

C. Cutting and Patching: Submit written request in advance of cutting or alteration that affects:
   1. Structural integrity of any element of Project.
   2. Integrity of weather exposed or moisture resistant element.
   3. Efficiency, maintenance, or safety of any operational element.
   4. Visual qualities of sight exposed elements.
   5. Work of Owner or separate Contractor.

1.03 QUALIFICATIONS

A. For surveying work, employ a land surveyor registered in the State in which the Project is located and acceptable to Architect. Submit evidence of surveyor's Errors and Omissions insurance coverage in the form of an Insurance Certificate. Employ only individual(s) trained and experienced in collecting and recording accurate data relevant to ongoing construction activities,

B. For field engineering, employ a professional engineer of the discipline required for specific service on Project, licensed in the State in which the Project is located. Employ only individual(s) trained and experienced in establishing and maintaining horizontal and vertical control points necessary for laying out construction work on project of similar size, scope and/or complexity.

1.04 PROJECT CONDITIONS

A. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.

B. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.

C. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

D. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property.
   1. Provide dust-proof barriers between construction areas and areas continuing to be occupied by Owner.

E. Erosion and Sediment Control: Plan and execute work by methods to control surface drainage from cuts and fills, from borrow and waste disposal areas. Prevent erosion and sedimentation.

F. Noise Control: Provide methods, means, and facilities to minimize noise produced by construction operations.

G. Pollution Control: Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations. Comply with federal, state, and local regulations.

1.05 COORDINATION

A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.

B. Notify affected utility companies and comply with their requirements.

C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.

D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on drawings. Follow routing indicated for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.

E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.

F. Coordinate completion and clean-up of work of separate sections.

G. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

PART 2 PRODUCTS

2.01 PATCHING MATERIALS

A. New Materials: As specified in product sections; match existing products and work for patching and extending work.

B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.

C. Product Substitution: For any proposed change in materials, submit request for substitution described in Section 016000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.

B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.

C. Examine and verify specific conditions described in individual specification sections.

D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.

E. Verify that utility services are available, of the correct characteristics, and in the correct locations.

F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

A. Clean substrate surfaces prior to applying next material or substance.

B. Seal cracks or openings of substrate prior to applying next material or substance.

C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 LAYING OUT THE WORK

A. Verify locations of survey control points prior to starting work.

B. Promptly notify Architect of any discrepancies discovered.

C. Contractor shall locate and protect survey control and reference points.

D. Control datum for survey is that indicated on drawings.

E. Protect survey control points prior to starting site work; preserve permanent reference points during construction.

F. Promptly report to Architect the loss or destruction of any reference point or relocation required because of changes in grades or other reasons.

G. Replace dislocated survey control points based on original survey control. Make no changes without prior written notice to Architect.

H. Utilize recognized engineering survey practices.

I. Establish elevations, lines and levels. Locate and lay out by instrumentation and similar appropriate means:
   1. Site improvements including pavements; stakes for grading, fill and topsoil placement; utility locations, slopes, and invert elevations.
   2. Grid or axis for structures.
   3. Building foundation, column locations, ground floor elevations.

J. Periodically verify layouts by same means.

K. Maintain a complete and accurate log of control and survey work as it progresses.

3.04 GENERAL INSTALLATION REQUIREMENTS

A. In addition to compliance with regulatory requirements, conduct construction operations in compliance with NFPA 241, including applicable recommendations in Appendix A.

B. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.

C. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.

D. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.

E. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.

F. Make neat transitions between different surfaces, maintaining texture and appearance.

3.05 ALTERATIONS

A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
   1. Verify that construction and utility arrangements are as indicated.
   2. Report discrepancies to Architect before disturbing existing installation.
   3. Beginning of alterations work constitutes acceptance of existing conditions.

B. Keep areas in which alterations are being conducted separated from other areas that are still occupied.
   1. Provide, erect, and maintain temporary dustproof partitions of construction specified in Section 015000 in locations indicated on drawings.

C. Maintain weatherproof exterior building enclosure except for interruptions required for replacement or modifications; take care to prevent water and humidity damage.
   1. Where openings in exterior enclosure exist, provide construction to make exterior enclosure weatherproof.

2. Insulate existing ducts or pipes that are exposed to outdoor ambient temperatures by alterations work.

D. Remove existing work as indicated and as required to accomplish new work.
   1. Remove items indicated on drawings.
   2. Relocate items indicated on drawings.
   3. Where new surface finishes are to be applied to existing work, perform removals, patch, and prepare existing surfaces as required to receive new finish; remove existing finish if necessary for successful application of new finish.
   4. Where new surface finishes are not specified or indicated, patch holes and damaged surfaces to match adjacent finished surfaces as closely as possible.

E. Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications): Remove, relocate, and extend existing systems to accommodate new construction.
   1. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components; if necessary, modify installation to allow access or provide access panel.
   2. Where existing systems or equipment are not active and Contract Documents require reactivation, put back into operational condition; repair supply, distribution, and equipment as required.
   3. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
      a. Disable existing systems only to make switchovers and connections; minimize duration of outages.
      b. Provide temporary connections as required to maintain existing systems in service.
   4. Verify that abandoned services serve only abandoned facilities.
   5. Remove abandoned pipe, ducts, conduits, and equipment , including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification; patch holes left by removal using materials specified for new construction.

F. Protect existing work to remain.
   1. Prevent movement of structure; provide shoring and bracing if necessary.
   2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
   3. Repair adjacent construction and finishes damaged during removal work.

G. Adapt existing work to fit new work: Make as neat and smooth transition as possible.

H. Patching: Where the existing surface is not indicated to be refinished, patch to match the surface finish that existed prior to cutting. Where the surface is indicated to be refinished, patch so that the substrate is ready for the new finish.

I. Refinish existing surfaces as indicated:
   1. Where rooms or spaces are indicated to be refinished, refinish all visible existing surfaces to remain to the specified condition for each material, with a neat transition to adjacent finishes.
   2. If mechanical or electrical work is exposed accidentally during the work, re-cover and refinish to match.

J. Clean existing systems and equipment.

K. Remove demolition debris and abandoned items from alterations areas and dispose of off-site; do not burn or bury.

L. Do not begin new construction in alterations areas before demolition is complete.

M. Comply with all other applicable requirements of this section.

3.06 CUTTING AND PATCHING

A. Whenever possible, execute the work by methods that avoid cutting or patching.

B. See Alterations article above for additional requirements.

C. Perform whatever cutting and patching is necessary to:
   1. Complete the work.
   2. Fit products together to integrate with other work.
   3. Provide openings for penetration of mechanical, electrical, and other services.
   4. Match work that has been cut to adjacent work.
   5. Repair areas adjacent to cuts to required condition.
   6. Repair new work damaged by subsequent work.
   7. Remove samples of installed work for testing when requested.
   8. Remove and replace defective and non-complying work.

D. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.

E. Employ original installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.

F. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.

G. Restore work with new products in accordance with requirements of Contract Documents.

H. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.

I. At penetrations of fire rated walls, partitions, ceiling, or floor construction, completely seal voids with fire rated material in accordance with Section 078400, to full thickness of the penetrated element.

J. Patching:
   1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.
   2. Match color, texture, and appearance.
   3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.

3.07 PROGRESS CLEANING

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or bury.

3.08 PROTECTION OF INSTALLED WORK

A. Protect installed work from damage by construction operations.

B. Provide special protection where specified in individual specification sections.

C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.

D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.

E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.

F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.

G. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

3.09 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

3.10 FINAL CLEANING

A. Execute final cleaning prior to final project assessment.
   1. Clean areas to be occupied by Owner prior to final completion before Owner occupancy.

B. Use cleaning materials that are nonhazardous.

C. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.

D. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.

E. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.

F. Clean filters of operating equipment.

G. Clean debris from roofs, gutters, downspouts, scuppers, overflow drains, area drains, and drainage systems.

H. Clean site; sweep paved areas, rake clean landscaped surfaces.

I. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do not burn or bury.

3.11 CLOSEOUT PROCEDURES

A. Make submittals that are required by governing or other authorities.
   1. Provide copies to Owner.

B. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion.

C. Notify Architect when work is considered ready for Architect's Substantial Completion inspection.

D. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect's Substantial Completion inspection.

E. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect's and Contractor's comprehensive list of items identified to be completed or corrected and submit to Architect.

F. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied areas.

G. Notify Architect when work is considered finally complete and ready for Architect's Substantial Completion final inspection.

H. Complete items of work determined by Architect listed in executed Certificate of Substantial Completion.

3.12 MAINTENANCE

A. Provide service and maintenance of components indicated in specification sections.

B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than one year from the Date of Substantial Completion or the length of the specified warranty, whichever is longer.

C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, and lubricate as required.

D. Include systematic examination, adjustment, and lubrication of components. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original component.

E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the Owner.

END OF SECTION

SECTION 017800
CLOSEOUT SUBMITTALS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Project record documents.

B. Operation and maintenance data.

C. Warranties and bonds.

1.02 RELATED REQUIREMENTS

A. Section 013000 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.

B. Individual Product Sections: Specific requirements for operation and maintenance data.

C. Individual Product Sections: Warranties required for specific products or Work.

1.03 SUBMITTALS

A. Project Record Documents: Submit documents to Architect with claim for final Application for Payment.

B. Operation and Maintenance Data:
   1. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
   2. Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect comments. Revise content of all document sets as required prior to final submission.
   3. Submit two sets of revised final documents in final form within 10 days after final inspection.

C. Warranties and Bonds:
   1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.
   2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
   3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.

PART 3 EXECUTION

2.01 PROJECT RECORD DOCUMENTS

A. Maintain on site one set of the following record documents; record actual revisions to the Work:
   1. Drawings.
   2. Specifications.
   3. Addenda.
   4. Change Orders and other modifications to the Contract.
   5. Reviewed shop drawings, product data, and samples.
   6. Manufacturer's instruction for assembly, installation, and adjusting.

B. Ensure entries are complete and accurate, enabling future reference by Owner.

C. Store record documents separate from documents used for construction.

D. Record information concurrent with construction progress.

E. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
   1. Manufacturer's name and product model and number.
   2. Product substitutions or alternates utilized.

3. Changes made by Addenda and modifications.

F. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
   1. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
   2. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
   3. Field changes of dimension and detail.
   4. Details not on original Contract drawings.

2.02 OPERATION AND MAINTENANCE DATA

A. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.

B. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.

C. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

2.03 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES

A. For Each Product, Applied Material, and Finish:
   1. Information for re-ordering custom manufactured products.

B. Instructions for Care and Maintenance: Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental cleaning agents and methods, and recommended schedule for cleaning and maintenance.

C. Moisture protection and weather-exposed products: Include product data listing applicable reference standards, chemical composition, and details of installation. Provide recommendations for inspections, maintenance, and repair.

D. Additional information as specified in individual product specification sections.

E. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.

2.04 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS

A. For Each Item of Equipment and Each System:
   1. Description of unit or system, and component parts.
   2. Identify function, normal operating characteristics, and limiting conditions.
   3. Include performance curves, with engineering data and tests.
   4. Complete nomenclature and model number of replaceable parts.

B. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.

C. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.

D. Include color coded wiring diagrams as installed.

E. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.

F. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.

G. Provide servicing and lubrication schedule, and list of lubricants required.

H. Include manufacturer's printed operation and maintenance instructions.

I. Include sequence of operation by controls manufacturer.

J. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.

K. Provide control diagrams by controls manufacturer as installed.

L. Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.

M. Include test and balancing reports.

N. Additional Requirements: As specified in individual product specification sections.

2.05 ASSEMBLY OF OPERATION AND MAINTENANCE MANUALS

A. Assemble operation and maintenance data into durable manuals for Owner's personnel use, with data arranged in the same sequence as, and identified by, the specification sections.

B. Where systems involve more than one specification section, provide separate tabbed divider for each system.

C. Binders: Commercial quality, 8-1/2 by 11 inch three D side ring binders with durable plastic covers; 2 inch maximum ring size. When multiple binders are used, correlate data into related consistent groupings.

D. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; identify title of Project; identify subject matter of contents.

E. Project Directory: Title and address of Project; names, addresses, and telephone numbers of Architect, Consultants, Contractor and subcontractors, with names of responsible parties.

F. Tables of Contents: List every item separated by a divider, using the same identification as on the divider tab; where multiple volumes are required, include all volumes Tables of Contents in each volume, with the current volume clearly identified.

G. Dividers: Provide tabbed dividers for each separate product and system; identify the contents on the divider tab; immediately following the divider tab include a description of product and major component parts of equipment.

H. Text: Manufacturer's printed data, or typewritten data on 20 pound paper.

I. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.

2.06 WARRANTIES AND BONDS

A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial completion is determined.

B. Verify that documents are in proper form, contain full information, and are notarized.

C. Co-execute submittals when required.

D. Retain warranties and bonds until time specified for submittal.

END OF SECTION

SECTION 024100
DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Building demolition excluding removal of hazardous materials and toxic substances.

B. Selective demolition of building elements for alteration purposes.

1.02 DEFINITIONS

A. Demolition: Dismantle, raze, destroy or wreck any building or structure or any part thereof.

B. Remove: Detach or dismantle items from existing construction and dispose of them off site, unless items are indicated to be salvaged or reinstalled.

C. Remove and Salvage: Detach or dismantle items from existing construction in a manner to prevent damage. Clean, package, label and deliver salvaged items to Owner in ready-for-reuse condition.

D. Remove and Reinstall: Detach or dismantle items from existing construction in a manner to prevent damage. Clean and prepare for reuse and reinstall where indicated.

E. Existing to Remain: Designation for existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.

1.03 REFERENCE STANDARDS

PART 3 EXECUTION

2.01 DEMOLITION

A. Remove other items indicated, for salvage and relocation.

2.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
   1. Obtain required permits.
   2. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
   3. Provide, erect, and maintain temporary barriers and security devices.
   4. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
   5. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
   6. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
   7. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon, or limit access to their property.

B. Do not begin removal until receipt of notification to proceed from Owner.

C. Do not begin removal until built elements to be salvaged or relocated have been removed.

D. Protect existing structures and other elements to remain in place and not removed.
   1. Provide bracing and shoring.
   2. Prevent movement or settlement of adjacent structures.
   3. Stop work immediately if adjacent structures appear to be in danger.

E. Hazardous Materials:

1. If hazardous materials are discovered during removal operations, stop work and notify Architect and Owner; hazardous materials include regulated asbestos containing materials, lead, PCBs, and mercury.

2.03 SELECTIVE DEMOLITION FOR ALTERATIONS

A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
   1. Verify construction and utility arrangements are as indicated.
   2. Report discrepancies to Architect before disturbing existing installation.
   3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.

B. Separate areas in which demolition is being conducted from areas that remain occupied.
   1. Provide, erect, and maintain temporary dustproof partitions of construction specified in Section 015000 in locations indicated on drawings.

C. Maintain weatherproof exterior building enclosure, except for interruptions required for replacement or modifications; prevent water and humidity damage.

D. Remove existing work as indicated and required to accomplish new work.
   1. Remove items indicated on drawings.

E. Services including, but not limited to, HVAC, Plumbing, Fire Protection, and Electrical: Remove existing systems and equipment as indicated.
   1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
   2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
   3. Verify that abandoned services serve only abandoned facilities before removal.
   4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.

F. Protect existing work to remain.
   1. Prevent movement of structure. Provide shoring and bracing as required.
   2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
   3. Repair adjacent construction and finishes damaged during removal work.
   4. Patch to match new work.

2.04 DEBRIS AND WASTE REMOVAL

A. Remove debris, junk, and trash from site.

B. Leave site in clean condition, ready for subsequent work.

C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 031000
CONCRETE FORMING AND ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Formwork for cast-in-place concrete, with shoring, bracing and anchorage.

B. Openings for other work.

C. Form accessories.

D. Form stripping.

1.02 REFERENCE STANDARDS

A. ACI CODE-318 - Building Code Requirements for Structural Concrete and Commentary; 2019 (Reapproved 2022).

B. ACI PRC-347 - Guide to Formwork for Concrete; 2014 (Reapproved 2021).

C. ACI SPEC-117 - Specification for Tolerances for Concrete Construction and Materials; 2010 (Reapproved 2015).

D. ACI SPEC-301 - Specifications for Concrete Construction; 2020.

E. PS 1 - Structural Plywood; 2019.

1.03 MOCK-UPS

A. Construct a mock-up of formwork for exposed concrete walls and elevated floors, 8 feet long by 4 feet wide.

B. Locate mock-up where directed.

C. Mock-up may remain as part of the Work.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Store prefabricated forms off ground in ventilated and protected manner to prevent deterioration from moisture.

PART 2 PRODUCTS

2.01 FORMWORK - GENERAL

A. Provide concrete forms, accessories, shoring, and bracing as required to accomplish cast-in-place concrete work.

B. Design and construct concrete that complies with design with respect to shape, lines, and dimensions.

C. Chamfer outside corners of beams, joists, columns, and walls.

D. Comply with applicable state and local codes with respect to design, fabrication, erection, and removal of formwork.

E. Comply with relevant portions of ACI CODE-318, ACI PRC-347, and ACI SPEC-301.

2.02 WOOD FORM MATERIALS

A. Softwood Plywood: PS 1, B-B High Density Concrete Form Overlay, Class I.

B. Lumber: Douglas Fir or Southern Pine species; 2 grade; with grade stamp clearly visible.

C. Provide smooth finish form liner at vertical surfaces of cast in place concrete walls of gymnasium.

2.03 FORMWORK ACCESSORIES

A. Form Ties: Removable type, galvanized metal, fixed length, cone type, with waterproofing washer, 1 inch back break dimension, free of defects that could leave holes larger than 1 inch in concrete surface.

B. Form Release Agent: Capable of releasing forms from hardened concrete without staining or discoloring concrete or forming bugholes and other surface defects, compatible with concrete and form materials, and not requiring removal for satisfactory bonding of coatings to be applied.

C. Filler Strips for Chamfered Corners: Wood strip type; 3/4 x 3/4 inch size; maximum possible lengths.

D. Nails, Spikes, Lag Bolts, Through Bolts, Anchorages: Sized as required, of sufficient strength and character to maintain formwork in place while placing concrete.

E. Embedded Anchor Shapes, Plates, Angles and Bars: As specified in Section 051200.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify lines, levels and centers before proceeding with formwork. Ensure that dimensions agree with drawings.

3.02 EARTH FORMS

A. Hand trim sides and bottom of earth forms. Remove loose soil prior to placing concrete.

3.03 ERECTION - FORMWORK

A. Erect formwork, shoring and bracing to achieve design requirements, in accordance with requirements of ACI SPEC-301.

B. Provide bracing to ensure stability of formwork. Shore or strengthen formwork subject to overstressing by construction loads.

C. Arrange and assemble formwork to permit dismantling and stripping. Do not damage concrete during stripping. Permit removal of remaining principal shores.

D. Align joints and make watertight. Keep form joints to a minimum.

E. Obtain approval before framing openings in structural members that are not indicated on drawings.

3.04 APPLICATION - FORM RELEASE AGENT

A. Apply form release agent on formwork in accordance with manufacturer's recommendations.

B. Apply prior to placement of reinforcing steel, anchoring devices, and embedded items.

C. Do not apply form release agent where concrete surfaces will receive special finishes or applied coverings that are affected by agent. Soak inside surfaces of untreated forms with clean water. Keep surfaces coated prior to placement of concrete.

3.05 INSERTS, EMBEDDED PARTS, AND OPENINGS

A. Provide formed openings where required for items to be embedded in passing through concrete work.

B. Locate and set in place items that will be cast directly into concrete.

C. Coordinate with work of other sections in forming and placing openings, slots, reglets, recesses, sleeves, bolts, anchors, other inserts, and components of other work.

D. Install accessories in accordance with manufacturer's instructions, so they are straight, level, and plumb. Ensure items are not disturbed during concrete placement.

3.06 FORM CLEANING

A. Clean forms as erection proceeds, to remove foreign matter within forms.

B. Clean formed cavities of debris prior to placing concrete.

1. During cold weather, remove ice and snow from within forms. Do not use de-icing salts. Do not use water to clean out forms, unless formwork and concrete construction proceed within heated enclosure. Use compressed air or other means to remove foreign matter.

3.07 FORMWORK TOLERANCES

A. Construct formwork to maintain tolerances required by ACI SPEC-117, unless otherwise indicated.

3.08 FORM REMOVAL

A. Do not remove forms or bracing until concrete has gained sufficient strength to carry its own weight and imposed loads.

B. Loosen forms carefully. Do not wedge pry bars, hammers, or tools against finish concrete surfaces scheduled for exposure to view.

END OF SECTION

SECTION 032000
CONCRETE REINFORCING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Reinforcing steel for cast-in-place concrete.

B. Supports and accessories for steel reinforcement.

1.02 REFERENCE STANDARDS

A. ACI 301 - Specifications for Concrete Construction; 2020.

B. ACI SP-66 - ACI Detailing Manual; 2004.

C. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2022.

D. CRSI (DA4) - Manual of Standard Practice; 2009.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Comply with requirements of ACI SP-66. Include bar schedules, shapes of bent bars, spacing of bars, and location of splices.

1.04 QUALITY ASSURANCE

A. Perform work of this section in accordance with ACI 301.

PART 2 PRODUCTS

2.01 REINFORCEMENT

A. Refer to Structural Notes for additional requirements

B. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi).
   1. Plain billet-steel bars.
   2. Unfinished.

C. Reinforcement Accessories:
   1. Tie Wire: Annealed, minimum 16 gauge, 0.0508 inch.
   2. Chairs, Bolsters, Bar Supports, Spacers: Sized and shaped for adequate support of reinforcement during concrete placement.
      a. At flat slabs use prefabricated chairs sized and spaced to maintain specified clearances

2.02 FABRICATION

A. Fabricate concrete reinforcing in accordance with CRSI (DA4) - Manual of Standard Practice.

B. Welding of reinforcement is not permitted.

C. Locate reinforcing splices not indicated on drawings at point of minimum stress.
   1. Review locations of splices with Architect.

PART 3 EXECUTION

3.01 PLACEMENT

A. Place, support and secure reinforcement against displacement. Do not deviate from required position.

B. Do not displace or damage vapor barrier.

C. Accommodate placement of formed openings.

D. Maintain concrete cover around reinforcing as follows:
   1. Beams: 1 1/2 inch
   2. Supported Slabs and Joists: 3/4 inch.

3. Walls (exposed to weather or backfill): 2 inch.
4. Footings and Concrete Formed Against Earth: 3 inch.
5. Slabs on Fill: 1 1/2 inch.

E. Comply with applicable code for concrete cover over reinforcement.

F. Bond and ground all reinforcement to requirements of Section 260526.

END OF SECTION

SECTION 033000
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Elevated concrete slabs.

B. Floors and slabs on grade.

C. Concrete retaining walls.

D. Concrete foundations and anchor bolts for pre-engineered building.

E. Joint devices associated with concrete work.

F. Miscellaneous concrete elements, including equipment pads, light pole bases, and manholes.

G. Concrete curing.

1.02 REFERENCE STANDARDS

A. ACI 211.1 - Selecting Proportions for Normal-Density and High Density-Concrete - Guide; 2022.

B. ACI 301 - Specifications for Concrete Construction; 2020.

C. ACI 302.1R - Guide to Concrete Floor and Slab Construction; 2015.

D. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete; 2000 (Reapproved 2009).

E. ACI 305R - Guide to Hot Weather Concreting; 2020.

F. ACI 306R - Guide to Cold Weather Concreting; 2016.

G. ACI 308R - Guide to External Curing of Concrete; 2016.

H. ACI 318 - Building Code Requirements for Structural Concrete; 2019 (Reapproved 2022).

I. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2018.

J. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens; 2021.

K. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2022a.

L. ASTM C143/C143M - Standard Test Method for Slump of Hydraulic-Cement Concrete; 2020.

M. ASTM C171 - Standard Specification for Sheet Materials for Curing Concrete; 2020.

N. ASTM C173/C173M - Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method; 2016.

O. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a (Reapproved 2016).

P. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2019, with Editorial Revision (2022).

Q. ASTM C618 - Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete; 2022.

R. ASTM C1107/C1107M - Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink); 2020.

S. ASTM C1602/C1602M - Standard Specification for Mixing Water Used in the Production of Hydraulic Cement Concrete; 2018.

T. ASTM D1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types); 2018.

U. ASTM E1155 - Standard Test Method for Determining FF Floor Flatness and FL Floor Levelness Numbers; 2020.

V. ASTM E1155M - Standard Test Method for Determining FF Floor Flatness and FL Floor Levelness Numbers (Metric); 2014.

W. ASTM E1745 - Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs; 2017.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Mix Design: Submit proposed concrete mix design.
   1. Indicate proposed mix design complies with requirements of ACI 301, Section 4 - Concrete Mixtures.
   2. Indicate proposed mix design complies with requirements of ACI 318, Chapter 5 - Concrete Quality, Mixing and Placing.

C. Samples: Submit samples of underslab vapor retarder to be used.

D. Test Reports: Submit report for each test or series of tests specified.

1.04 QUALITY ASSURANCE

A. Perform work of this section in accordance with ACI 301 and ACI 318.

B. Follow recommendations of ACI 305R when concreting during hot weather.

C. Follow recommendations of ACI 306R when concreting during cold weather.

1.05 MOCK-UP

A. Construct and erect mock-up panel for architectural concrete surfaces indicated to receive special treatment or finish as result of formwork.
   1. Panel Size: 6 by 6 feet.
   2. Locate where directed.

B. Accepted mock-up panel is considered basis of quality for the finished work. Keep mock-up exposed to view for duration of concrete work.

C. Mock-up may remain as part of the Work.

PART 2 PRODUCTS

2.01 FORMWORK

A. Comply with requirements of Section 031000.

2.02 REINFORCEMENT MATERIALS

A. Comply with requirements of Section 032000.

2.03 CONCRETE MATERIALS

A. Cement: ASTM C150/C150M, Type I - Normal Portland type.

B. Fine and Coarse Aggregates: ASTM C33/C33M.

C. Fly Ash: ASTM C618, Class C or F.

D. Water: ASTM C1602/C1602M; clean, potable, and not detrimental to concrete.

2.04 ADMIXTURES

A. Do not use chemicals that will result in soluble chloride ions in excess of 0.1 percent by weight of cement.

B. Air Entrainment Admixture: ASTM C260/C260M.

C. High Range Water Reducing and Retarding Admixture: ASTM C494/C494M Type G.

D. Accelerating Admixture: ASTM C494/C494M Type C.

E. Water Reducing Admixture: ASTM C494/C494M Type A.

2.05 ACCESSORY MATERIALS

A. Underslab Vapor Retarder:

1. Sheet Material: ASTM E1745, Class A; stated by manufacturer as suitable for installation in contact with soil or granular fill under concrete slabs. Single-ply polyethylene is prohibited.
2. Accessory Products: Vapor retarder manufacturer's recommended tape, adhesive, mastic, prefabricated boots, etc., for sealing seams and penetrations.
3. Products:
    a. Henry Company; Moistop Ultra 15: www.henry.com
    b. Stego Industries, LLC; Stego Wrap Vapor Barrier (15-mils): www.stegoindustries.com
    c. W. R. Meadows, Inc; PERMINATOR Class A - 15 mils (0.38 mm): www.wrmeadows.com
    d. Substitutions: See Section 016000 - Product Requirements.

B. Non-Shrink Cementitious Grout: Premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents.
1. Grout: Comply with ASTM C1107/C1107M.

2.06 BONDING AND JOINTING PRODUCTS

A. Slab Isolation Joint Filler: 1/2 inch thick, height equal to slab thickness, with removable top section that will form 1/2 inch deep sealant pocket after removal.
1. Material: ASTM D1751, cellulose fiber.

B. Slab Construction Joint Devices: Combination keyed joint form and screed, galvanized steel, with rectangular or round knockout holes for conduit or rebar to pass through joint form at 6 inches on center; ribbed steel stakes for setting.

2.07 CURING MATERIALS

A. Curing Compound, Naturally Dissipating: Clear, water-based, liquid membrane-forming compound; complying with ASTM C309.
1. Application: Use at exterior slabs on grade.

B. Moisture-Retaining Sheet: ASTM C171.
1. Curing paper, regular.
2. Polyethylene film, white opaque, minimum nominal thickness of 4 mil, 0.004 inch.
3. White-burlap-polyethylene sheet, weighing not less than 3.8 ounces per square yard.

C. Water: Potable, not detrimental to concrete.

2.08 CONCRETE MIX DESIGN

A. Proportioning Normal Weight Concrete: Comply with ACI 211.1 recommendations.

B. Concrete Strength: Establish required average strength for each type of concrete on the basis of field experience or trial mixtures, as specified in ACI 301.
1. For trial mixtures method, employ independent testing agency acceptable to Architect for preparing and reporting proposed mix designs.

C. Admixtures: Add acceptable admixtures as recommended in ACI 211.1 and at rates recommended or required by manufacturer.

D. Normal Weight Concrete at Interior Slabs on Grade:
1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 3,500 pounds per square inch.
2. Fly Ash Content: Maximum 20 percent of cementitious materials by weight.
3. Cement Content: Minimum 520 pounds per cubic yard.
4. Water-Cement Ratio: Maximum 47.5 percent by weight.
5. Total Air Content: 3 percent, determined in accordance with ASTM C173/C173M.
6. Maximum Slump: 4 inches.
7. Maximum Aggregate Size: 1 inch.

E. Normal Weight Concrete at Exterior Slabs on Grade:

1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 3,500 pounds per square inch.
2. Fly Ash Content: Maximum 20 percent of cementitious materials by weight.
3. Cement Content: Minimum 470 pounds per cubic yard.
4. Water-Cement Ratio: Maximum 45 percent by weight.
5. Total Air Content: 5.5 percent, determined in accordance with ASTM C173/C173M.
6. Maximum Slump: 4 inches.
7. Maximum Aggregate Size: 1.5 inch.

F. Normal Weight Concrete at Footings:
1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 3,000 pounds per square inch.
2. Fly Ash Content: Maximum 20 percent of cementitious materials by weight.
3. Cement Content: Minimum 470 pounds per cubic yard.
4. Water-Cement Ratio: Maximum 50 percent by weight.
5. Total Air Content: 2.5 percent, determined in accordance with ASTM C173/C173M.
6. Maximum Slump: 4 inches.
7. Maximum Aggregate Size: 1.5 inch.

G. Normal Weight Concrete at Interior Elevated Slabs and Walls
1. Compressive Strength, when tested in accordance with ASTM C39/C39M at 28 days: 4,000 pounds per square inch.
2. Cement Content: Minimum 470 pounds per cubic yard.
3. Water-Cement Ratio: Maximum 47.5 percent by weight.
4. Total Air Content: 2.5 percent, determined in accordance with ASTM C173/C173M.
5. Maximum Slump: 4 inches.
6. Maximum Aggregate Size: 1 1/2 inch.

2.09 MIXING

A. Transit Mixers: Comply with ASTM C94/C94M.

B. Adding Water: If concrete arrives on-site with slump less than suitable for placement, do not add water that exceeds the maximum water-cement ratio or exceeds the maximum permissible slump.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify lines, levels, and dimensions before proceeding with work of this section.

3.02 PREPARATION

A. Verify that forms are clean and free of rust before applying release agent.

B. Coordinate placement of embedded items with erection of concrete formwork and placement of form accessories.

C. In locations where new concrete is doweled to existing work, drill holes in existing concrete, insert steel dowels and pack solid with non-shrink grout.

3.03 PLACING CONCRETE

A. Place concrete in accordance with ACI 304R.

B. Place concrete for floor slabs in accordance with ACI 302.1R.

C. Notify Architect not less than 24 hours prior to commencement of placement operations.

D. Maintain records of concrete placement. Record date, location, quantity, air temperature, and test samples taken.

E. Ensure reinforcement, inserts, embedded parts, and formed construction joint devices will not be disturbed during concrete placement.

F. Finish floors level and flat, unless otherwise indicated, within the tolerances specified below.

3.04 SLAB JOINTING

A. Locate joints as indicated on drawings.

B. Anchor joint fillers and devices to prevent movement during concrete placement.

C. Isolation Joints: Use preformed joint filler with removable top section for joint sealant, total height equal to thickness of slab, set flush with top of slab.

D. Saw Cut Contraction Joints: Saw cut joints before concrete begins to cool, within 4 to 12 hours after placing; use 3/16 inch thick blade and cut at least 1 inch deep but not less than one quarter (1/4) the depth of the slab.

3.05 FLOOR FLATNESS AND LEVELNESS TOLERANCES

A. Minimum F(F) Floor Flatness and F(L) Floor Levelness Values:
   1. Exposed to View and Foot Traffic: F(F) of 20; F(L) of 15, on-grade only.
   2. Under Thick-Bed Tile: F(F) of 20; F(L) of 15, on-grade only.
   3. Under Carpeting: F(F) of 25; F(L) of 20, on-grade only.
   4. Under Thin Resilient Flooring and Thinset Tile: F(F) of 35; F(L) of 25, on-grade only.

B. Measure F(F) Floor Flatness and F(L) Floor Levelness in accordance with ASTM E1155 (ASTM E1155M), within 48 hours after slab installation; report both composite overall values and local values for each measured section.

C. Correct the slab surface if composite overall value is less than specified and if local value is less than two-thirds of specified value or less than F(F) 13/F(L) 10.

D. Correct defects by grinding or by removal and replacement of the defective work. Areas requiring corrective work will be identified. Re-measure corrected areas by the same process.

3.06 CONCRETE FINISHING

A. Repair surface defects, immediately after removing formwork.

B. Unexposed Form Finish: Rub down or chip off fins or other raised areas 1/4 inch or more in height.

C. Exposed Form Finish: Rub down or chip off and smooth fins or other raised areas 1/4 inch or more in height. Provide finish as follows:
   1. Smooth Rubbed Finish: Wet concrete and rub with carborundum brick or other abrasive, not more than 24 hours after form removal.
   2. Cement slurry coat finish over surface is not allowed.

D. Concrete Slabs: Finish to requirements of ACI 302.1R, and as follows:
   1. Surfaces to Receive Thin Floor Coverings: "Steel trowel" as described in ACI 302.1R; thin floor coverings include carpeting, resilient flooring, seamless flooring, resinous matrix terrazzo, thin set quarry tile, and thin set ceramic tile.
   2. Other Surfaces to Be Left Exposed: Trowel as described in ACI 302.1R, minimizing burnish marks and other appearance defects.

E. Broom Finish: Apply a light broom finish to exterior concrete walks, steps, ramps, and drives.
   1. immediately after float finishing, slightly roughen trafficked surface by brooming with fiberbristle broom perpendicular to the main traffic route.
   2. Coordinate required final finish with Architect before application.

3.07 CURING AND PROTECTION

A. Comply with requirements of ACI 308R. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.

B. Maintain concrete with minimal moisture loss at relatively constant temperature for period necessary for hydration of cement and hardening of concrete.
   1. Normal concrete: Not less than seven days.

C. Formed Surfaces: Cure by moist curing with forms in place for full curing period.

D. Surfaces Not in Contact with Forms:

1. Slabs and Floors To Receive Adhesive-Applied Flooring: Curing compounds and other surface coatings are usually considered unacceptable by flooring and adhesive manufacturers. If such materials must be used, either obtain the approval of the flooring and adhesive manufacturers prior to use or remove the surface coating after curing to flooring manufacturer's satisfaction.
2. Initial Curing: Start as soon as free water has disappeared and before surface is dry. Keep continuously moist for not less than three days by water ponding, water-saturated sand, water-fog spray, or saturated burlap.
3. Final Curing: Begin after initial curing but before surface is dry.
    a. Moisture-Retaining Sheet: Lap strips not less than 3 inches and seal with waterproof tape or adhesive; secure at edges.

3.08 FIELD QUALITY CONTROL

A. An independent testing agency will perform field quality control tests, as specified in Section 014000 - Quality Requirements.

B. Provide free access to concrete operations at project site and cooperate with appointed firm.

C. Compressive Strength Tests: ASTM C39/C39M, for each test, mold and cure three concrete test cylinders. Obtain test samples for every 100 cubic yards or less of each class of concrete placed.

D. Take one additional test cylinder during cold weather concreting, cured on job site under same conditions as concrete it represents.

E. Perform one slump test for each set of test cylinders taken, following procedures of ASTM C143/C143M.

3.09 DEFECTIVE CONCRETE

A. Test Results: The testing agency shall report test results in writing to Architect and Contractor within 24 hours of test.

B. Defective Concrete: Concrete not complying with required lines, details, dimensions, tolerances or specified requirements.

C. Repair or replacement of defective concrete will be determined by the Architect. The cost of additional testing shall be borne by Contractor when defective concrete is identified.

D. Do not patch, fill, touch-up, repair, or replace exposed concrete except upon express direction of Architect for each individual area.

3.10 PROTECTION

A. Do not permit traffic over unprotected concrete floor surface until fully cured.

END OF SECTION

SECTION 033511
CONCRETE FLOOR FINISHES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface treatments for exposed interior concrete floors and slabs.

B. Liquid densifiers and hardeners.

C. Clear penetrating sealers.

1.02 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's published data on each finishing product, including information on compatibility of different products and limitations.

C. Product Data: Manufacturer's published data and installation instructions for concrete polishing system and finishing products, including manufacturer's installation instructions, information on compatibility of different products, and limitations.

1.03 MOCK-UP

A. For coatings, construct mock-up area under conditions similar to those that will exist during application, with coatings applied.

B. Mock-Up Size: 10 feet square.

C. Locate where directed.

D. Mock-up may remain as part of the work.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's sealed packaging, including application instructions.

1.05 FIELD CONDITIONS

A. Maintain light level equivalent to a minimum 200 W light source at 8 feet above the floor surface over each 20 foot square area of floor being finished.

B. Do not finish floors until interior heating system is operational.

C. Maintain ambient temperature of 50 degrees F minimum.

PART 2 PRODUCTS

2.01 CONCRETE FLOOR FINISH APPLICATIONS

A. Liquid Densifier and Hardener:
   1. Use at following locations: exposed interior concrete floors.

B. Penetrating Clear Sealer:
   1. Use at following locations: exposed interior concrete floors.

2.02 DENSIFIERS AND HARDENERS

A. Liquid Densifier and Hardener: Penetrating chemical compound that reacts with concrete, filling the pores, hardening, and dustproofing.
   1. Composition: Lithium silicate.
   2. Products:
      a. PROSOCO, Inc; Consolideck LS: www.prosoco.com/consolideck
      b. SpecChem, LLC; LithSeal SC: www.specchemllc.com
      c. W. R. Meadows, Inc; Liqui-Hard Ultra: www.wrmeadows.com
      d. Substitutions: See Section 016000 - Product Requirements.

2.03 COATINGS

A. Penetrating Sealer: Transparent, nonyellowing, solvent-based coating.

1. Composition: Siloxane.
    a. Products:
        1) PROSOCO, Inc.; Concrete Protector SB; www.prosoco.com .
        2) Substitutions: See Section 016000 - Product Requirements.

2.04 POLISHED CONCRETE SYSTEM

A. Polished Concrete System: Materials, equipment, and procedures designed and furnished by a single manufacturer to produce dense polished concrete of the specified sheen.
    1. Acceptable Systems:
        a. Ameripolish, Inc; Ameripolish Polished Concrete System: www.ameripolish.com.
        b. PROSOCO, Inc; Consolideck Polished Concrete System: www.prosoco.com/consolideck.
        c. W. R. Meadows, Inc; Induroshine: www.wrmeadows.com.
        d. Substitutions: See Section 016000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that floor surfaces are acceptable to receive the work of this section.

B. Verify that flaws in concrete have been patched and joints filled with methods and materials suitable for further finishes.

3.02 GENERAL

A. Apply materials in accordance with manufacturer's instructions.

3.03 COATING APPLICATION

A. Verify that surface is free of previous coatings, sealers, curing compounds, water repellents, laitance, efflorescence, fats, oils, grease, wax, soluble salts, residues from cleaning agents, and other impediments to adhesion.

B. Protect adjacent non-coated areas from drips, overflow, and overspray; immediately remove excess material.

C. Apply coatings in accordance with manufacturer's instructions, matching approved mock-ups for color, special effects, sealing and workmanship.

3.04 CONCRETE POLISHING

A. Execute using materials, equipment, and procedures specified by manufacturer, using manufacturer approved installer.
    1. Final Polished Sheen: Level 3: High Sheen, 800 grit; other sheens are included as comparison to illustrate required sheen; final sheen is before addition of any sealer or coating, regardless of whether that is also specified or not.

B. Machine grind floor surfaces to receive polished finishes level, uniform, and smooth.

C. Apply penetrating liquid floor treatment for polished concrete in polishing sequence and according to manufacturer's written instructions, allowing recommended drying time between successive coats.

D. Continue polishiing with progressively finer-grit diamond polishing pads to gloss level, to match approved mockup.

E. Control and dispose of waste products produced by grinding and polishing operations

F. Neutralize and clean polished floor surfaces.

G. Protect finished surface as required and as recommended by manufacturer of polishing system.

END OF SECTION

SECTION 042000
UNIT MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Concrete block.

B. Clay facing brick.

C. Mortar and grout.

D. Reinforcement and anchorage.

E. Flashings.

F. Accessories.

1.02 REFERENCE STANDARDS

A. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.

B. ASTM A951/A951M - Standard Specification for Steel Wire for Masonry Joint Reinforcement; 2022.

C. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2022.

D. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units; 2022.

E. ASTM C91/C91M - Standard Specification for Masonry Cement; 2023.

F. ASTM C129 - Standard Specification for Nonloadbearing Concrete Masonry Units; 2017.

G. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar; 2018.

H. ASTM C150/C150M - Standard Specification for Portland Cement; 2022.

I. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes; 2018.

J. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale); 2022.

K. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2019a, with Editorial Revision.

L. ASTM C404 - Standard Specification for Aggregates for Masonry Grout; 2018.

M. ASTM C476 - Standard Specification for Grout for Masonry; 2022.

N. ASTM C1714/C1714M - Standard Specification for Preblended Dry Mortar Mix for Unit Masonry; 2019a.

O. BIA Technical Notes No. 7 - Water Penetration Resistance – Design and Detailing; 2017.

P. BIA Technical Notes No. 13 - Ceramic Glazed Brick Exterior Walls; 2017.

Q. BIA Technical Notes No. 28B - Brick Veneer/Steel Stud Walls; 2005.

R. BIA Technical Notes No. 46 - Maintenance of Brick Masonry; 2017.

S. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2022.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, and masonry accessories.

1.04 MOCK-UPS

A. Construct a masonry wall as a mock-up panel sized 8 feet long by 6 feet high; include mortar, accessories, structural backup, and flashings (with lap joint, corner, and end dam) in mock-up.

B. Locate where directed.

C. Mock-up may remain as part of work.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.

PART 2 PRODUCTS

2.01 CONCRETE MASONRY UNITS

A. Concrete Block: Comply with referenced standards and as follows:
   1. Size: Standard units with nominal face dimensions of 16 by 8 inches and nominal depths as indicated on drawings for specific locations.
   2. Load-Bearing Units: ASTM C90, lightweight.
      a. Hollow block, as indicated.
      b. Exposed Faces: Manufacturer's standard color and texture where indicated.
      c. Manufacturers:
         1) Kansas Building Products
         2) Substitutions: See Section 016000 - Product Requirements.
   3. Nonloadbearing Units: ASTM C129.
      a. Hollow block, as indicated.
      b. Lightweight.
      c. Manufacturers:
         1) Kansas Building Products.
         2) Substitutions: See Section 016000 - Product Requirements.
   4. Split face veneer Units
      a. Colors and styles: As indicated on drawings.
      b. Manufacturers:
         1) Kansas Building Products.
         2) Substitutions: See Section 016000 - Product Requirements.

2.02 BRICK UNITS

A. Manufacturers:
   1. Hebron Brick Company; www.hebronbrick.com.
   2. Substitutions: See section 016000 - Product Requirements.

B. Facing Brick: ASTM C216, Type FBX, Grade SW.
   1. Color and texture:
      a. Brick #1: Toasted Gray, velour texture
      b. Brick #2: Onyx Ironspot, velour texture
   2. Actual size (3 5/8 inch x 3 5/8 inch x 11 5/8 inch) 3 inch thickness is not accepable
   3. Special shapes: Molded units as required by conditions indicated, unless standard units can be sawn to produce equivalent effect.

2.03 MORTAR AND GROUT MATERIALS

A. Masonry Cement: ASTM C91/C91M, Type N.

B. Portland Cement: ASTM C150/C150M, Type I.

C. Hydrated Lime: ASTM C207, Type S.

D. Mortar Aggregate: ASTM C144.

E. Grout Aggregate: ASTM C404.

F. Water: Clean and potable.

G. Packaged Dry Material for Mortar for Unit Masonry: Premixed masonry cement and mason's sand; complying with ASTM C1714/C1714M and capable of producing mortar of the specified strength in accordance with ASTM C270 with the addition of water only.

1. Type: Types as scheduled in this section.
2. Color: Standard gray.

H. Packaged Dry Material for Grout for Masonry: Premixed cementitious materials and dried aggregates; capable of producing grout of the specified strength in accordance with ASTM C476 with the addition of water only.

2.04 REINFORCEMENT AND ANCHORAGE

A. Manufacturers:
1. Hohmann & Barnard, Inc: www.h-b.com
2. TruFast Walls, a division of Altenloh, Brinck & Co. US, Inc: www.trufastwalls.com
3. WIRE-BONDwww.wirebond.com
4. Substitutions: See Section 016000 - Product Requirements.

B. Reinforcing Steel: Type specified in Section 032000; size as indicated on drawings; uncoated finish.

C. Single Wythe Joint Reinforcement: ASTM A951/A951M.
1. Type: Ladder.
2. Material: ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/A153M Class B.
3. Size: 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not less than 5/8 inch of mortar coverage on each exposure.

D. Adjustable Multiple Wythe Joint Reinforcement: ASTM A951/A951M.
1. Type: Ladder, with adjustable ties or tabs spaced at 16 in on center.
2. Material: ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/A153M Class B.
3. Size: 0.1483 inch side rods with 0.1483 inch cross rods and adjustable components of 0.1875 inchwire, width of components as required to provide not less than 5/8 inch of mortar coverage from each masonry face.
4. Vertical adjustment: Not more than 1 1/4 inches.
5. Type : Ladder type with extended double eye hooks which provide code compliant penetration into 8 inch concrete masonry backer wall faced with 2 inch rigid cavity insulation
6. Provide double pintle anchors which provide code compliant penetration in 3 5/8" brick veneer which is spaced 1.5 inches from cavity insulation.

E. Residential Wall Ties: Corrugated formed sheet metal, 7/8 inch wide by 0.05 inch thick, hot dip galvanized to ASTM A 153/A 153M, Class B, sized to extend at least 1-1/2 inches into the veneer with at least 5/8 inch of mortar coverage from masonry face.

F. Masonry Veneer Anchors: 2-piece anchors that permit differential movement between masonry veneer and structural backup, hot dip galvanized to ASTM A 153/A 153M, Class B.
1. Wire ties: Manufacturer's standard shape, 0.1875 inch thick.
2. Vertical adjustment: Not less than 2 inches.

2.05 FLASHINGS

A. Membrane Non-Asphaltic Flashing Materials:
1. Composite Polymer Flashings - Self-Adhering: Composite polyethylene; 40 mil thick with pressure-sensitive butyl adhesive and release paper.
a. Manufacturers:
1) Hohmann & Barnard, Inc; Textroflash: www.h-b.com
2) York Manufacturing, Inc; Wicked Good Flashing: www.yorkmfg.com
3) Substitutions: See Section 016000 - Product Requirements.

B. Termination Bars: aluminum; compatible with membrane and adhesives.

C. Lap Sealants and Tapes: As recommended by flashing manufacturer; compatible with membrane and adhesives.

2.06 ACCESSORIES

A. Joint Filler: Closed cell polyvinyl chloride; oversized 50 percent to joint width; self expanding; in maximum lengths available.

B. Cavity Mortar Control: Semi-rigid polyethylene or polyester mesh panels, sized to thickness of wall cavity, and designed to prevent mortar droppings from clogging weeps and cavity vents and allow proper cavity drainage.
   1. Mortar Diverter: Semi-rigid mesh designed for installation at flashing locations.
      a. Manufacturers:
         1) Advanced Building Products, Inc; Mortar Break DT: www.advancedbuildingproducts.com
         2) Mortar Net Solutions; MortarNet: www.mortarnet.com
         3) Substitutions: See Section 016000 - Product Requirements.

C. Weeps:
   1. Type: Polyester mesh.

D. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials.
   1. Manufacturers:
      a. Diedrich Technologies, Inc.; a Hohmann & Barnard Company
      b. PROSOCO, Inc.
      c. Substitutions: See Section 01600 - Product Requirements

2.07 MORTAR AND GROUT MIXING

A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.

B. Grout: ASTM C476; consistency required to fill completely volumes indicated for grouting; fine grout for spaces with smallest horizontal dimension of 2 inches or less; coarse grout for spaces with smallest horizontal dimension greater than 2 inches.

C. Mixing: Use mechanical batch mixer and comply with referenced standards.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive masonry.

B. Verify that related items provided under other sections are properly sized and located.

C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

3.02 PREPARATION

A. Direct and coordinate placement of metal anchors supplied for installation under other sections.

B. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

3.03 COLD AND HOT WEATHER REQUIREMENTS

A. Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.

3.04 COURSING

A. Establish lines, levels, and coursing indicated. Protect from displacement.

B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.

C. Concrete Masonry Units:
   1. Bond: Running.
   2. Coursing: One unit and one mortar joint to equal 8 inches.
   3. Mortar Joints: Concave.

D. Brick Units:

1. Bond: Running.
2. Coursing: Three units and three mortar joints to equal 12 inches.
3. Mortar Joints: Concave.

3.05 PLACING AND BONDING

A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.

B. Remove excess mortar and mortar smears as work progresses.

C. Interlock intersections and external corners, except for units laid in stack bond.

D. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.

E. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.

3.06 WEEPS/CAVITY VENTS

A. Install weeps in veneer and cavity walls at 32 inches on center horizontally on top of through-wall flashing above shelf angles and lintels and at bottom of walls.

3.07 CAVITY MORTAR CONTROL

A. Do not permit mortar to drop or accumulate into cavity air space or to plug weep/cavity vents.

B. Install cavity mortar diverter at base of cavity and at other flashing locations as recommended by manufacturer to prevent mortar droppings from blocking weep/cavity vents.

3.08 REINFORCEMENT AND ANCHORAGE - GENERAL, SINGLE WYTHE MASONRY, AND CAVITY WALL MASONRY

A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Embed longitudinal wires of joint reinforcement in mortar joint with at least 5/8 inch mortar cover on each side.

E. Lap joint reinforcement ends minimum 6 inches.

3.09 REINFORCEMENT AND ANCHORAGE - MASONRY VENEER

A. Masonry Back-Up: Embed anchors to bond veneer at maximum 16 inches on center vertically and 16 inches on center horizontally. Place additional anchors at perimeter of openings and ends of panels, so maximum spacing of anchors is 8 inches on center.

B. Stud Back-Up: Secure veneer anchors to stud framed back-up and embed into masonry veneer at maximum 16 inches on center vertically and 16 inches on center horizontally. Place additional anchors at perimeter of openings and ends of panels, so maximum spacing of anchors is 8 inches on center.

3.10 MASONRY FLASHINGS

A. Whether or not specifically indicated, install masonry flashing to divert water to exterior at all locations where downward flow of water will be interrupted.
   1. Extend flashings full width at such interruptions and at least 6 inches, minimum, into adjacent masonry or turn up flashing ends at least 1 inch, minimum, to form watertight pan at nonmasonry construction.
   2. Remove or cover protrusions or sharp edges that could puncture flashings.
   3. Seal lapped ends and penetrations of flashing before covering with mortar.

B. Terminate flashing up 8 inches minimum on vertical surface of backing:

1. Install vertical leg of flashing over fluid-applied or self-adhered air/vapor barriers over backing or per manufacturer’s directions.
2. Anchor vertical leg of flashing into backing with a termination bar and sealant.
3. Apply cap bead of sealant on top edge of self-adhered flashing.

C. Install flashing in accordance with manufacturer's instructions and BIA Technical Notes No. 7.

D. Support flexible flashings across gaps and openings.

E. Lap end joints of flashings at least 6 inches, minimum, and seal watertight with flashing sealant/adhesive.

3.11 LINTELS

A. Install loose steel lintels over openings.

3.12 GROUTED COMPONENTS

A. Lap splices minimum 24 bar diameters.

B. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.

C. Place and consolidate grout fill without displacing reinforcing.

3.13 CONTROL AND EXPANSION JOINTS

A. Do not continue horizontal joint reinforcement through control or expansion joints.

3.14 BUILT-IN WORK

A. As work progresses, install built-in metal door frames and glazed frames and other items to be built into the work and furnished under other sections.

B. Install built-in items plumb, level, and true to line.

3.15 TOLERANCES

A. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.

B. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft and 1/2 inch in 20 ft or more.

C. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.

D. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 10 ft; 1/2 inch in 30 ft.

E. Maximum Variation of Mortar Joint Thickness: Head joint, minus 1/4 inch, plus 3/8 inch.

3.16 CUTTING AND FITTING

A. Cut and fit for chases. Coordinate with other sections of work to provide correct size, shape, and location.

3.17 CLEANING

A. Remove excess mortar and mortar droppings.

B. Clean soiled surfaces with cleaning solution.

C. Use non-metallic tools in cleaning operations.

3.18 PROTECTION

A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.

END OF SECTION

SECTION 047200
CAST STONE MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Architectural cast stone.

1.02 REFERENCE STANDARDS

A. ACI 318 - Building Code Requirements for Structural Concrete; 2019 (Reapproved 2022).

B. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2022.

C. ASTM A767/A767M - Standard Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement; 2019.

D. ASTM A884/A884M - Standard Specification for Epoxy-Coated Steel Wire and Welded Wire Reinforcement; 2019, with Editorial Revision (2020).

E. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete; 2022.

F. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2018.

G. ASTM C150/C150M - Standard Specification for Portland Cement; 2022.

H. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2019a, with Editorial Revision.

I. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2019, with Editorial Revision (2022).

J. ASTM C1364 - Standard Specification for Architectural Cast Stone; 2019.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Include elevations, dimensions, layouts, profiles, cross sections, reinforcement, exposed faces, arrangement of joints, anchoring methods, anchors, and piece numbers.

C. Verification Samples: Pieces of actual cast stone components not less than 6 inches square, illustrating range of color and texture to be anticipated in components furnished for the project.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications:
   1. A firm with a minimum of 5 years experience producing cast stone of types required for project.
   2. Adequate plant capacity to furnish quality, sizes, and quantity of cast stone required without delaying progress of the work.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver cast stone components secured to shipping pallets and protected from damage and discoloration. Protect corners from damage.

B. Number each piece individually to match shop drawings and schedule.

C. Store cast stone components and installation materials in accordance with manufacturer's instructions.

D. Store cast stone components on pallets with nonstaining, waterproof covers. Ventilate under covers to prevent condensation. Prevent contact with dirt.

E. Protect cast stone components during handling and installation to prevent chipping, cracking, or other damage.

F. Store mortar materials where contamination can be avoided.

G. Schedule and coordinate production and delivery of cast stone components with unit masonry work to optimize on-site inventory and to avoid delaying the work.

PART 2 PRODUCTS

2.01 ARCHITECTURAL CAST STONE

A. Cast Stone: Architectural concrete product manufactured to simulate appearance of natural granite, complying with ASTM C1364.
   1. Compressive Strength: As specified in ASTM C1364; calculate strength of pieces to be field cut at 80 percent of uncut piece.
   2. Freeze-Thaw Resistance: Demonstrated by laboratory testing in accordance with ASTM C1364.
   3. Surface Texture: Fine grained texture, with no bugholes, air voids, or other surface blemishes visible from distance of 20 feet.
   4. Color: Selected by Architect from manufacturer's full range.
   5. Remove cement film from exposed surfaces before packaging for shipment.

B. Shapes: Provide shapes indicated on drawings.
   1. Variation from Any Dimension, Including Bow, Camber, and Twist: Maximum of plus/minus 1/8 inch or length divided by 360, whichever is greater, but not more than 1/4 inch.
   2. Unless otherwise indicated on drawings, provide:
      a. Wash or slope of 1:12 on exterior horizontal surfaces.
      b. Drips on projecting components, wherever possible.
      c. Raised fillets at back of sills and at ends to be built in.

C. Reinforcement: Provide reinforcement as required to withstand handling and structural stresses; comply with ACI 318.

2.02 MATERIALS

A. Portland Cement: ASTM C150/C150M.
   1. For Units: Type I, white or gray as required to match Architect 's sample.
   2. For Mortar: Type I or II, except Type III may be used in cold weather.

B. Coarse Aggregate: ASTM C33/C33M, except for gradation; granite, quartz, or limestone.

C. Fine Aggregate: ASTM C33/C33M, except for gradation; natural or manufactured sands.

D. Admixtures: ASTM C494/C494M.

E. Water: Potable.

F. Reinforcing Bars: ASTM A615/A615M, Grade 40 (40,000 psi), deformed bars, galvanized.
   1. Galvanized in accordance with ASTM A767/A767M, Class I.

G. Steel Welded Wire Reinforcement: ASTM A1064/A1064M, galvanized or ASTM A884/A884M, epoxy coated.

H. Embedded Anchors, Dowels, and Inserts: Type 304 stainless steel, of type and size as required for conditions.

I. Mortar: Portland cement-lime, as specified in Section 040511 ; do not use masonry cement.

J. Cleaner: General-purpose cleaner designed for removing mortar and grout stains, efflorescence, and other construction stains from new masonry surfaces without discoloring or damaging masonry surfaces; approved for intended use by cast stone manufacturer and by cleaner manufacturer for use on cast stone and adjacent masonry materials.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine construction to receive cast stone components. Notify Architect if construction is not acceptable.

B. Do not begin installation until unacceptable conditions have been corrected.

3.02 INSTALLATION

A. Install cast stone components in conjunction with masonry, complying with requirements of Section 042000.

B. Mechanically anchor cast stone units indicated; set remainder in mortar.

C. Setting:
   1. Drench cast stone components with clear, running water immediately before installation.
   2. Set units in a full bed of mortar unless otherwise indicated.
   3. Fill vertical joints with mortar.
   4. Fill dowel holes and anchor slots completely with mortar or non-shrink grout.

3.03 TOLERANCES

A. Joints: Make all joints 3/8 inch, except as otherwise detailed.
   1. Rake mortar joints 3/4 inch for pointing.
   2. Remove excess mortar from face of stone before pointing joints.
   3. Point joints with mortar in layers 3/8 inch thick and tool to a slight concave profile.
   4. Leave the following joints open for sealant:
      a. Head joints in top courses, including copings, parapets, cornices, sills, and steps.
      b. Joints in projecting units.
      c. Joints between rigidly anchored units, including soffits, panels, and column covers.
      d. Joints below lugged sills and stair treads.
      e. Joints below ledge and relieving angles.
      f. Joints labeled "expansion joint".

B. Installation Tolerances:
   1. Variation from Plumb: Not more than 1/8 inch in 10 feet or 1/4 inch in 20 feet or more.
   2. Variation from Level: Not more than 1/8 inch in 10 feet or 1/4 inch in 20 feet, or 3/8 inch maximum.
   3. Variation in Joint Width: Not more than 1/8 inch in 36 inches or 1/4 of nominal joint width, whichever is less.
   4. Variation in Plane Between Adjacent Surfaces (Lipping): Not more than 1/16 inch difference between planes of adjacent units or adjacent surfaces indicated to be flush with units.

3.04 REPAIR

A. Repair chips and other surface damage noticeable when viewed in direct daylight at 20 feet.

B. Repair with matching touch-up material provided by the manufacturer and in accordance with manufacturer's instructions.

C. Repair methods and results subject to Architect 's approval.

3.05 CLEANING

A. Clean completed exposed cast stone after mortar is thoroughly set and cured.
   1. Wet surfaces with water before applying cleaner.
   2. Apply cleaner to cast stone in accordance with manufacturer's instructions.
   3. Remove cleaner promptly by rinsing thoroughly with clear water.
   4. Do not use acidic cleaners.

3.06 PROTECTION

A. Protect completed work from damage.

B. Clean, repair, or restore damaged or mortar-splashed work to condition of new work.

END OF SECTION

SECTION 051200
STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Structural steel framing members.

B. Grouting under base plates.

1.02 REFERENCE STANDARDS

A. AISC (MAN) - Steel Construction Manual; 2017.

B. AISC 303 - Code of Standard Practice for Steel Buildings and Bridges; 2022.

C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

D. ASTM A108 - Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished; 2018.

E. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

F. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.

G. ASTM A242/A242M - Standard Specification for High-Strength Low-Alloy Structural Steel; 2024.

H. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.

I. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes; 2021a.

J. ASTM A501/A501M - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing; 2021.

K. ASTM A514/A514M - Standard Specification for High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding; 2022.

L. ASTM A529/A529M - Standard Specification for High-Strength Carbon-Manganese Steel of Structural Quality; 2019.

M. ASTM A563/A563M - Standard Specification for Carbon and Alloy Steel Nuts (Inch and Metric); 2021a.

N. ASTM A572/A572M - Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel; 2021, with Editorial Revision.

O. ASTM A992/A992M - Standard Specification for Structural Steel Shapes; 2022.

P. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable; 2021a.

Q. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2018a.

R. ASTM F436/F436M - Standard Specification for Hardened Steel Washers Inch and Metric Dimensions; 2019.

S. ASTM F959/F959M - Standard Specification for Compressible-Washer-Type Direct Tension Indicators for Use with Structural Fasteners, Inch and Metric Series; 2017a.

T. ASTM F1554 - Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength; 2020.

U. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi and 150 ksi

Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength; 2022.

V. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination; 2020.

W. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2022).

X. IAS AC172 - Accreditation Criteria for Fabricator Inspection Programs for Structural Steel AC172; 2019.

Y. RCSC (HSBOLT) - Specification for Structural Joints Using High-Strength Bolts; Research Council on Structural Connections; 2020.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Shop Drawings:
   1. Indicate profiles, sizes, spacing, locations of structural members, openings, attachments, and fasteners.
   2. Connections not detailed.
   3. Indicate cambers and loads.
   4. Indicate welded connections with AWS A2.4 welding symbols. Indicate net weld lengths.

C. Manufacturer's Mill Certificate: Certify that products meet or exceed specified requirements.

1.04 QUALITY ASSURANCE

A. Fabricate structural steel members in accordance with AISC (MAN) "Steel Construction Manual."

B. Fabricator: Company specializing in performing the work of this section with minimum five years of documented experience.

C. Welder Qualifications: Welding processes and welding operators qualified in accordance with AWS D1.1/D1.1M and no more than 12 months before start of scheduled welding work.

D. Fabricator Qualifications: A qualified steel fabricator that is accredited by the International Accreditation Service (IAS) Fabricator Inspection Program for Structural Steel in accordance with IAS AC172.

E. Erector: Company specializing in performing the work of this section with minimum five years of documented experience.

PART 2 PRODUCTS

2.01 MATERIALS

A. Refer to Structural Notes for Materials specifications and additional requirements

B. Steel Angles and Plates: ASTM A36/A36M.

C. Steel W Shapes and Tees: ASTM A992/A992M.

D. Rolled Steel Structural Shapes: ASTM A992/A992M.

E. Steel Shapes, Plates, and Bars: ASTM A242/A242M high-strength, corrosion-resistant structural steel.

F. Steel Shapes, Plates, and Bars: ASTM A529/A529M high-strength, carbon-manganese structural steel, Grade 50.

G. Steel Plates and Bars: ASTM A572/A572M, Grade 50 (345) high-strength, columbium-vanadium steel.

H. Cold-Formed Structural Tubing: ASTM A500/A500M, Grade B.

I. Hot-Formed Structural Tubing: ASTM A501/A501M, seamless or welded.

J. Steel Bars: ASTM A108 Grade _____.

K. Steel Plate: ASTM A514/A514M.

L. Steel Sheet: ASTM A1011/A1011M, Designation SS, Grade 30 hot-rolled, or ASTM A1008/A1008M, Designation SS, Grade 30 cold-rolled.

M. Shear Stud Connectors: Made from ASTM A108 Grade 1015 bars.

N. Sag Rods: ASTM A36/A36M.

O. Structural Bolts and Nuts: Carbon steel, ASTM A307, Grade A and galvanized in compliance with ASTM A153/A153M Class C.

P. High-Strength Structural Bolts, Nuts, and Washers: ASTM F3125/F3125M, Type 1, with matching compatible ASTM A563/A563M nuts and ASTM F436/F436M washers.

Q. Tension Control Bolts: Twist-off type; ASTM F3125/F3125M.

R. Unheaded Anchor Rods: ASTM F1554, Grade 36, plain, with matching ASTM A563/A563M nuts and ASTM F436/F436M Type 1 washers.

S. Headed Anchor Rods: ASTM F1554 Grade 36, plain.

T. Load Indicator Washers: Provide washers complying with ASTM F959/F959M at connections requiring high-strength bolts.

U. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

V. Sliding Bearing Plates: Teflon coated.

W. Grout: ASTM C1107/C1107M; Non-shrink; premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents.
   1. Minimum Compressive Strength at 48 Hours: 2,000 pounds per square inch.
   2. Minimum Compressive Strength at 28 Days: 7,000 pounds per square inch.

X. Shop and Touch-Up Primer: Fabricator's standard, complying with VOC limitations of authorities having jurisdiction.

Y. Touch-Up Primer for Galvanized Surfaces: Fabricator's standard, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

A. Shop fabricate to greatest extent possible.

B. Continuously seal joined members by continuous welds. Grind exposed welds smooth.

C. Fabricate connections for bolt, nut, and washer connectors.

2.03 FINISH

A. Prepare structural component surfaces in accordance with SSPC-SP 3.

B. Shop prime structural steel members. Do not prime surfaces that will be fireproofed, field welded, in contact with concrete, or high strength bolted.

C. Where indicated, galvanize structural steel members to comply with ASTM A123/A123M. Provide minimum 1.7 oz/sq ft galvanized coating.

2.04 SOURCE QUALITY CONTROL

A. High-Strength Bolts: Provide testing and verification of shop-bolted connections in accordance with RCSC (HSBOLT) "Specification for Structural Joints Using High-Strength Bolts," testing at least ____ percent of bolts at each connection.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that conditions are appropriate for erection of structural steel and that the work may properly proceed.

3.02 ERECTION

A. Erect structural steel in compliance with AISC 303.

B. Allow for erection loads and provide sufficient temporary bracing to maintain structure in safe condition, plumb, and in true alignment until completion of erection and installation of permanent bracing.

C. Do not field cut or alter structural members without approval of Architect.

D. After erection, prime welds, abrasions, and surfaces not shop primed, except surfaces to be in contact with concrete.

E. Grout solidly between column plates and bearing surfaces, complying with manufacturer's instructions for nonshrink grout. Trowel grouted surfaces smooth, splaying neatly to 45 degrees.

3.03 TOLERANCES

A. Maximum Offset From True Alignment: 1/4 inch.

3.04 FIELD QUALITY CONTROL

A. High-Strength Bolts: Provide testing and verification of field-bolted connections in accordance with RCSC (HSBOLT) "Specification for Structural Joints Using High-Strength Bolts," testing at least ____ percent of bolts at each connection.

B. Welded Connections: Visually inspect all field-welded connections and test at least ____ percent of welds using one of the following:

END OF SECTION

SECTION 052100
STEEL JOIST FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Open web steel joists and shear stud connectors, with bridging, attached seats and anchors.

B. Loose bearing members, such as plates or angles, and anchor bolts for site placement.

C. Supplementary framing for floor and roof openings greater than 18 inches.

1.02 RELATED REQUIREMENTS

A. Section 051200 - Structural Steel Framing: Grouting base plates and bearing plates. Superstructure framing.

B. Section 051200 - Structural Steel Framing: Superstructure framing.

C. Section 053100 - Steel Decking: Bearing plates and angles.

D. Section 053100 - Steel Decking: Support framing for openings less than 18 inches in decking.

E. Section 055000 - Metal Fabrications: Non-framing steel fabrications attached to joists.

1.03 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

B. ASTM A108 - Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished; 2018.

C. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

D. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.

E. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.

F. ASTM A563/A563M - Standard Specification for Carbon and Alloy Steel Nuts (Inch and Metric); 2021a.

G. ASTM F436/F436M - Standard Specification for Hardened Steel Washers Inch and Metric Dimensions; 2019.

H. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength; 2022.

I. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification; 2021.

J. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2022).

K. IAS AC172 - Accreditation Criteria for Fabricator Inspection Programs for Structural Steel AC172; 2019.

L. RCSC (HSBOLT) - Specification for Structural Joints Using High-Strength Bolts; Research Council on Structural Connections; 2020.

M. SJI 100 - Standard Specifications for K-Series, LH-Series, and DLH-Series Open Web Steel Joists, and for Joist Girders; 2020.

N. SJI Technical Digest No. 9 - Handling and Erection of Steel Joists and Joist Girders; 2008.

O. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 2004.

P. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic); 2019.

Q. SSPC-SP 2 - Hand Tool Cleaning; 2024.

R. UL (FRD) - Fire Resistance Directory; Current Edition.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate standard designations, joist coding, configurations, sizes, spacings, cambers, locations of joists, joist leg extensions, bridging, connections, and attachments.

C. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated no more than 12 months before start of scheduled welding work.

D. Designer's Qualification Statement.

E. Manufacturer's Qualification Statement.

F. Fabricator's Qualification Statement.

1.05 QUALITY ASSURANCE

A. Design connections not detailed on drawings under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State in which the Project is located.

B. Perform Work, including that for headers and other supplementary framing, in accordance with SJI 100 Standard Specifications Load Tables and SJI Technical Digest No. 9.

C. Design and Installation Requirements: Comply with UL (FRD) Assembly Design No. ____.

D. Manufacturer Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

E. Welder Qualifications: Welding processes and welding operators qualified in accordance with AWS D1.1/D1.1M and dated no more than 12 months before start of scheduled welding work.

F. Fabricator Qualifications: A qualified steel fabricator that is accredited by the International Accreditation Service (IAS) Fabricator Inspection Program for Structural Steel in accordance with IAS AC172.

G. Erector Qualifications: Company specializing in performing the work of this section with minimum five years documented experience.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Steel Joists:
   1. Canam Group Inc: www.canam-steeljoists.ws
   2. New Millennium Building Systems: www.newmill.com/#sle.
   3. Nucor-Vulcraft Group: www.vulcraft.com/#sle.
   4. Substitutions: See Section 016000 - Product Requirements.

2.02 MATERIALS

A. Open Web Joists: SJI Type K Joists:
   1. Provide bottom chord extensions as indicated.
   2. Minimum End Bearing on Steel Supports: Comply with referenced SJI standard.
   3. Minimum End Bearing on Concrete or Masonry Supports: Comply with referenced SJI standard.
   4. Finish: Shop primed.

B. Open Web Joists: SJI 100 Type LH Joists:
   1. Provide bottom chord extensions as indicated.
   2. Minimum End Bearing on Steel Supports: Comply with referenced SJI standards.
   3. Minimum End Bearing on Masonry or Concrete Supports: Comply with referenced SJI standards.
   4. Finish: Shop primed.

C. Open Web Joists: SJI 100 Type DLH Joists:
   1. Provide bottom chord extensions as indicated.

2. Minimum End Bearing on Steel Supports: Comply with referenced SJI standards.
3. Minimum End Bearing on Masonry or Concrete Supports: Comply with referenced SJI standards.
4. Finish: Shop primed.

D. Open Web Composite Joists: SJI 100 Type CJ Joists:
1. Provide bottom chord extensions as indicated.
2. Minimum End Bearing on Steel Supports: Comply with referenced SJI standards.
3. Minimum End Bearing on Masonry or Concrete Supports: Comply with referenced SJI standards.
4. Finish: Shop primed.

E. Open Web Joists: SJI 100 Joist Girders:
1. Provide bottom chord extensions as indicated.
2. Minimum End Bearing on Steel Supports: Comply with referenced SJI standards.
3. Minimum End Bearing on Masonry or Concrete Supports: Comply with referenced SJI standards.
4. Finish: Shop primed.

F. Anchor Bolts, Nuts and Washers: ASTM A307 hot-dip galvanized per ASTM A153/A153M Class C.

G. High-Strength Structural Bolts, Nuts, and Washers: ASTM F3125/F3125M, Type 1, with matching compatible ASTM A563/A563M nuts and ASTM F436/F436M washers.

H. Tension Control Bolts: Twist-off type; ASTM F3125/F3125M.

I. Shear Stud Connectors: Made from ASTM A108 Grade 1015 bars.

J. Structural Steel For Supplementary Framing and Joist Leg Extensions: ASTM A36/A36M.

K. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

L. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.

M. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20 Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.

2.03 FABRICATION

A. Frame special sized openings in joist web framing as detailed.

B. Space stud shear connectors on top of top chords at ____ inches on center.

2.04 FINISH

A. Galvanize joists as specified.
1. Do not prime surfaces that will be fireproofed.
2. Galvanize steel ledge angles.

B. Prepare surfaces to be finished in accordance with SSPC-SP 2.

C. Galvanizing: Provide minimum 1.7 oz/sq ft galvanized coating to ASTM A123/A123M requirements.

2.05 SOURCE QUALITY CONTROL

A. Provide shop testing of steel components as follows:

B. High-Strength Bolts: Provide testing and verification of shop-bolted connections in accordance with RCSC (HSBOLT) "Specification for Structural Joints Using High-Strength Bolts", testing at least ____ percent of bolts at each connection.

C. Welded Connections: Visually inspect all shop-welded connections and test at least ____ percent of welds using one of the following:

PART 3 EXECUTION

3.01 ERECTION

A. Erect joists with correct bearing on supports.

B. Allow for erection loads. Provide sufficient temporary bracing to maintain framing safe, plumb, and in true alignment.

C. Coordinate the placement of anchors for securing loose bearing members furnished as part of the work of this section.

D. After joist alignment and installation of framing, field weld joist seats to steel bearing surfaces.

E. Install supplementary framing for floor and roof openings greater than 18 inches.

F. Do not permit erection of decking until joists are braced, bridged, and secured or until completion of erection and installation of permanent bridging and bracing.

G. Do not field cut or alter structural members without approval of joist manufacturer.

3.02 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch.

B. Maximum Offset From True Alignment: 1/4 inch.

3.03 FIELD QUALITY CONTROL

A. An independent testing agency will perform field quality control tests, as specified in Section 014000 - Quality Requirements.

END OF SECTION

SECTION 053100
STEEL DECKING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Acoustical roof deck.

B. Roof deck.

C. Composite floor deck.

D. Metal form deck.

E. Supplementary framing for openings up to and including 18 inches.

F. Bearing plates and angles.

G. Stud shear connectors.

H. Acoustical insulation in roof deck flutes.

1.02 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

B. ASTM A108 - Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished; 2018.

C. ASTM A510/A510M - Standard Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, and Alloy Steel; 2020.

D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

E. ASTM B633 - Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel; 2023.

F. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2022).

G. AWS D1.3/D1.3M - Structural Welding Code - Sheet Steel; 2018, with Errata (2022).

H. ICC-ES AC43 - Acceptance Criteria for Steel Deck Roof and Floor Systems; 2022.

I. ICC-ES AC70 - Acceptance Criteria for Fasteners Power Driven into Concrete, Steel and Masonry Elements; 2016.

J. SDI (DM) - Publication No.30, Design Manual for Composite Decks, Form Decks, and Roof Decks; 2007.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittals procedures.

B. Product Data: Provide deck profile characteristics, dimensions, structural properties, and finishes.

C. Shop Drawings: Indicate deck plan, support locations, projections, openings, reinforcement, pertinent details, and accessories.

1.04 QUALITY ASSURANCE

A. Design deck layout, spans, fastening, and joints under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State in which the Project is located.

B. Welder Qualifications: Welding processes and welding operators qualified in accordance with AWS D1.1/D1.1M and AWS D1.3/D1.3M and dated no more than 12 months before start of scheduled welding work.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Cut plastic wrap to encourage ventilation.

B. Separate sheets and store deck on dry wood sleepers; slope for positive drainage.

PART 2 PRODUCTS

2.01 STEEL DECK

A. Refer to Structural Notes for Steel Deck and additional requirements

B. All Deck Types: Select and design metal deck in accordance with SDI Design Manual.
   1. Calculate to structural working stress design and structural properties specified.

C. Acoustical Roof Deck: Non-composite type, steel sheet with plain vertical flute faces perforated with 1/8 inch diameter holes staggered 3/8 inch on center:
   1. Galvanized Steel Sheet: ASTM A653/A653M, Structural Steel (SS) Grade 33/230, with G90/Z275 galvanized coating.

D. Roof Deck: Non-composite type, fluted steel sheet:
   1. Galvanized Steel Sheet: ASTM A653/A653M, Structural Steel (SS) Grade 33/230, with G90/Z275 galvanized coating.

E. Composite Floor Deck: Fluted steel sheet embossed to interlock with concrete:
   1. Galvanized Steel Sheet: ASTM A653/A653M, Structural Steel (SS) Grade 33/230, with G90/Z275 galvanized coating.

F. Metal Form Deck: Corrugated sheet steel, with provision for ventilation of concrete:
   1. Galvanized Steel Sheet: ASTM A653/A653M, Structural Steel (SS) Grade 33/230, with G90/Z275 galvanized coating.

2.02 ACCESSORY MATERIALS

A. Bearing Plates and Angles: ASTM A36/A36M steel, galvanized per ASTM A123/A123M.

B. Stud Shear Connectors: Made from ASTM A108 Grade 1015 bars.

C. Welding Materials: AWS D1.1/D1.1M.

D. Fasteners: Galvanized hardened steel, self tapping.

E. Powder Actuated Mechanical Fasteners: Steel; with knurled shank and forged ballistic point. Comply with applicable requirements of ICC-ES AC70.
   1. Design Requirements: Provide number and type of fasteners that comply with the applicable requirements of SDI (DM) design method for roof deck and floor deck applications and ICC-ES AC43.
   2. Material: Steel; ASTM A510/A510M.

F. Mechanical Fasteners: Steel; hex washer head, self-drilling, self-tapping.
   1. Design Requirements for Sidelap Connections: Provide number and type of fasteners that comply with the applicable requirements of SDI (DM) design method for roof deck and floor deck applications and ICC-ES AC43.
   2. Fasteners for Steel Roof Decks Protected with Waterproofing Membrane: ASTM B633, SC1, Type III zinc electroplate.

G. Flute Closures: Closed cell foam rubber, 1 inch thick; profiled to fit tight to the deck.

H. Acoustical Insulation: Glass fiber type, minimum 1.1 lb/cu ft density; profiled to suit deck.

2.03 FABRICATED DECK ACCESSORIES

A. Sheet Metal Deck Accessories: Metal closure strips, wet concrete stops, and cover plates, 22 gauge, 0.0299 inch thick sheet steel; of profile and size as indicated; finished same as deck.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions prior to beginning work.

3.02 INSTALLATION

A. Erect metal deck in accordance with SDI Design Manual and manufacturer's instructions. Align and level.

B. On steel supports provide minimum 1-1/2 inch bearing.

C. Fasten deck to steel support members at ends and intermediate supports at 12 inches on center maximum, parallel with the deck flute and at each transverse flute using methods specified.

D. Drive mechanical sidelap connectors completely through adjacent lapped sheets; positively engage adjacent sheets with minimum three-thread penetration.

E. Weld deck in accordance with AWS D1.3/D1.3M.

F. At deck openings from 6 inches to 18 inches in size, provide 2 by 2 by 1/4 inch steel angle reinforcement. Place angles perpendicular to flutes; extend minimum two flutes beyond each side of opening and fusion weld to deck at each flute.

G. At deck openings greater than 18 inches in size, provide steel angle reinforcement. as specified in Section 051200.

H. Close openings above walls and partitions perpendicular to deck flutes with single row of foam cell closures.

I. Weld stud shear connectors through steel deck to structural members below.

J. Immediately after welding deck and other metal components in position, coat welds, burned areas, and damaged surface coating, with touch-up primer.

END OF SECTION

SECTION 054000
COLD-FORMED METAL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Formed steel stud exterior wall framing.

1.02 REFERENCE STANDARDS

A. AISI S100 - North American Specification for the Design of Cold-Formed Steel Structural Members; 2016, with Supplement (2020).

B. AISI S240 - North American Standard for Cold-Formed Steel Structural Framing; 2015, with Errata (2020).

C. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

D. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.

E. ASTM A780/A780M - Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings; 2020.

F. ASTM A1003/A1003M - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members; 2015.

G. ASTM C1007 - Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories; 2020.

H. ICC (IBC) - International Building Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordinate with work of other sections that is to be installed in or adjacent to metal framing systems, including but not limited to structural anchors, cladding anchors, utilities, insulation, and firestopping.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data on cold-formed steel structural members; include material descriptions and base steel thickness.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, and with minimum three years of documented experience.

B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience and approved by manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Structural Framing:
   1. ClarkDietrich; _____: www.clarkdietrich.com.
   2. Jaimes Industries; ____: www.jaimesind.com.
   3. Steel Construction Systems; _____: www.steelconsystems.com.
   4. Substitutions: See Section 016000 - Product Requirements.

B. Connectors:
   1. Same manufacturer as metal framing.

2.02 PERFORMANCE REQUIREMENTS

A. Design Requirements: Design cold-formed framing systems, components and connectors to withstand specified design loads in compliance with ICC (IBC), ASCE 7, AISI S100, and AISI S240.

B. Design Criteria: In accordance with applicable codes.
   1. Live load deflection meeting the following, unless otherwise indicated:
      a. Exterior Walls: Maximum horizontal deflection under wind load of 1/240 of span.
   2. Able to tolerate movement of components without damage, failure of joint seals, undue stress on fasteners, or other detrimental effects when subject to seasonal or cyclic day/night temperature ranges.
   3. Able to accommodate construction tolerances, deflection of building structural members, and clearances of intended openings.

2.03 MATERIALS

A. Steel Sheet: ASTM A1003/A1003M, subject to the ductility limitations indicated in AISI S240.
   1. Structural Grade: As required to meet design criteria.
   2. Corrosion Protection Coating Designation: CP 90 in accordance with AISI S240.

2.04 STRUCTURAL FRAMING COMPONENTS

A. Refer to Structural Notes for Structural Framing Components and additional requirements

B. Wall Studs and Track Sections: AISI S240; c-shaped studs and u-shaped track sections in stud-matching nominal width and compatible height.
   1. Structural Grade: As required to meet design criteria.
   2. Corrosion Protection Coating Designation: CP 90 in accordance with AISI S240.
   3. Thickness and Depth: Depth as indicated on the drawings; thickness and structural grade as required to meet design criteria.
   4. Products:
      a. CEMCO; ProX Header: www.cemcosteel.com/#sle.
      b. MarinoWARE; StudRite: www.marinoware.com/#sle.
      c. MarinoWARE; Structural Framing: www.marinoware.com/#sle.
      d. MBA Building Supplies; Structural Studs & Track: www.mbastuds.com/#sle.
      e. Super Stud Building Products, Inc; SuperMAXX Studs: www.buysuperstud.com/#sle.
      f. Clark-Dietrich is used as reference standard.
      g. Substitutions: See Section 016000 - Product Requirements.

C. Jamb Studs: AISI S240; manufactured, engineered, c-shaped with wide flanges, designed to replace conventional double-stud framing at openings.
   1. Structural Grade: As required to meet design criteria.
   2. Corrosion Protection Coating Designation: CP 90 in accordance with AISI S240.
   3. Thickness and Depth: Depth as indicated on drawings; thickness and structural grade as required to meet specified design criteria.
   4. Products:
      a. Substitutions: See Section 016000 - Product Requirements.

D. Headers: AISI S240; manufactured, engineered one-member or two-member assemblies, with wide flanges, designed to replace conventional box or nested header framing at openings.
   1. Structural Grade: As required to meet design criteria.
   2. Corrosion Protection Coating Designation: CP 90 in accordance with AISI S240.
   3. Jamb Mounting Clips: Manufacturer's standard.
   4. Z and U furrring members and miscellaneous exterior framing items
      a. Structural Grade: As required to meet design criteria
      b. Corrosion Protection Coating Designation: CP 90 in accordance with AISI S240

2.05 CONNECTIONS

A. Performance Requirements: Provide connections in compliance with requirements of AISI S240.

B. Steel Sheet: ASTM A1003/A1003M, subject to the ductility limitations indicated in AISI S240.
   1. Structural Grade: As required to meet design criteria.
   2. Corrosion Protection Coating Designation: CP 90 in accordance with AISI S240.

C. Structural Performance: Maintain load and movement capacity required by applicable building code and specified design criteria.

D. Movement Connections: Provide mechanical anchorage devices that accommodate movement using slotted holes, shouldered screws or screws and anti-friction or stepped bushings, while maintaining structural performance of framing. Provide movement connections where indicated on drawings.

E. Fixed Connections: Provide nonmovement devices for tie-down to foundation, floor-to-floor tie-down, roof-to-wall tie-down, joist hangers, gusset plates, and stiffeners.

F. Bridging Connections: Provide mechanical load-transferring devices that accommodate wind load torsion and weak axis buckling induced by axial compression loads. Provide bridging connectors where indicated on the drawings.

2.06 MISCELLANEOUS CONNECTIONS

A. Self-Drilling, Self-Tapping Screws, Bolts, Nuts and Washers: Hot-dip galvanized per ASTM A153/A153M.

B. Anchorage Devices: Powder actuated.

C. Welding: Comply with AWS D1.1/D1.1M.

2.07 SHEATHING

A. Wall Sheathing: See Section 061000.

2.08 ACCESSORIES

A. Bracing, Furring, Bridging: Formed sheet steel, thickness determined for conditions encountered; finish to match framing components.

B. Galvanizing Repair: Touch up bare steel with zinc-rich paint in compliance with ASTM A780/A780M.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

B. Verify field measurements and adjust installation as required.

3.02 PREPARATION

A. Structural Wall Foundations: For gaps between wall bottom track and top of foundation 1/4 inch or greater, level substrate with loadbearing shims or grout between track and foundation.

3.03 INSTALLATION - GENERAL

A. Install structural members and connections in compliance with AISI S240.

3.04 INSTALLATION OF STUDS

A. Install wall studs plumb and level.

B. Construct corners using minimum of three studs. Install double studs at wall openings, door and window jambs.

C. Install load-bearing studs full length in one piece. Splicing of studs is not permitted.

D. Install load-bearing studs; brace, and reinforce to develop full strength and achieve design requirements.

E. Coordinate placement of insulation in multiple stud spaces made inaccessible after erection.

F. Install intermediate studs above and below openings to align with wall stud spacing.

G. Provide deflection allowance in stud track, directly below horizontal building framing at non-loadbearing framing.

H. Touch-up field welds and damaged corrosion-protected surfaces zinc-rich paint in compliance with ASTM A780/A780M.

3.05 INSTALLATION OF WALL SHEATHING

A. Install wall sheathing with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using self-tapping screws.

3.06 TOLERANCES

A. Studs - Vertical Alignment (Plumbness): 1/960 of span or 1/8 inch in 10 ft, in accordance with ASTM C1007.

B. Studs - Maximum Variation from True Position: 1/8 inch in accordance with ASTM C1007.

C. Stud Spacing: 1/8 inch from the designated spacing, provided that the cumulative error does not exceed the requirements of the finishing materials in accordance with ASTM C1007.

END OF SECTION

SECTION 055000
METAL FABRICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Shop fabricated steel items.

1.02 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

B. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2022.

C. ASTM A283/A283M - Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates; 2024.

D. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.

E. ASTM A501/A501M - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing; 2021.

F. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination; 2020.

G. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification; 2021.

H. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2022).

I. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 2004.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.
   1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.

C. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated no more than 12 months before start of scheduled welding work.

PART 2 PRODUCTS

2.01 MATERIALS - STEEL

A. Steel Sections: ASTM A36/A36M.

B. Steel Tubing: ASTM A501/A501M hot-formed structural tubing.

C. Plates: ASTM A283/A283M.

D. Pipe: ASTM A53/A53M, Grade B Schedule 40, black finish.

E. Bolts, Nuts, and Washers: ASTM A307, Grade A, plain.

F. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.

G. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.

2.02 FABRICATION

A. Fit and shop assemble items in largest practical sections, for delivery to site.

B. Fabricate items with joints tightly fitted and secured.

C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

D. Furnish components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.

2.03 FABRICATED ITEMS

A. Lintels: As detailed; prime paint finish.

2.04 FINISHES - STEEL

A. Prime paint steel items.

B. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.

C. Prime Painting: One coat.

2.05 FABRICATION TOLERANCES

A. Squareness: 1/8 inch maximum difference in diagonal measurements.

B. Maximum Offset Between Faces: 1/16 inch.

C. Maximum Misalignment of Adjacent Members: 1/16 inch.

D. Maximum Bow: 1/8 inch in 48 inches.

E. Maximum Deviation From Plane: 1/16 inch in 48 inches.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive work.

3.02 PREPARATION

A. Clean and strip primed steel items to bare metal where site welding is required.

3.03 INSTALLATION

A. Install items plumb and level, accurately fitted, free from distortion or defects.

B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.

C. Perform field welding in accordance with AWS D1.1/D1.1M.

D. Obtain approval prior to site cutting or making adjustments not scheduled.

E. After erection, prime welds, abrasions, and surfaces not shop primed , except surfaces to be in contact with concrete.

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch per story, non-cumulative.

B. Maximum Offset From True Alignment: 1/4 inch.

C. Maximum Out-of-Position: 1/4 inch.

END OF SECTION

SECTION 061000
ROUGH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Rough opening framing for doors, windows, and roof openings.

B. Sheathing.

C. Preservative treated wood materials.

D. Communications and electrical room mounting boards.

E. Concealed wood blocking, nailers, and supports.

F. Miscellaneous wood nailers, furring, and grounds.

1.02 REFERENCE STANDARDS

A. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.

B. ASTM C1177/C1177M - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2017.

C. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2021.

D. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2022.

E. AWPA U1 - Use Category System: User Specification for Treated Wood; 2022.

F. PS 1 - Structural Plywood; 2019.

G. PS 20 - American Softwood Lumber Standard; 2021.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide technical data on manufactured products.

C. Samples: For rough carpentry members that will be exposed to view, submit two samples, ____by____ inch in size illustrating wood grain, color, and general appearance.

1.04 DELIVERY, STORAGE, AND HANDLING

A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
   1. Species: Douglas Fir or Southern Pine, unless otherwise indicated.
   2. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.
   3. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.

2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

A. Sizes: Nominal sizes as indicated on drawings, S4S.

B. Moisture Content: S-dry or MC19.

C. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
   1. Lumber: S4S, No. 2 or Standard Grade.
   2. Boards: Standard or No. 3.

2.03 EXPOSED TIMBERS

A. Submit manufacturer's certificate that products meet or exceed specified requirements, in lieu of grade stamping.

B. Moisture Content: Kiln-dry (20 percent maximum).

C. Surfacing: S4S.

D. Species: Redwood.

E. Grade: Clear Heart Structural.

2.04 CONSTRUCTION PANELS

A. Wall Sheathing: Glass mat faced gypsum, ASTM C1177/C1177M, 5/8 inch Type X fire resistant.
   1. At Assemblies Indicated with Fire-Rating: Use type required by indicated tested assembly.
   2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
   3. Edges: Square.
   4. Products:
      a. CertainTeed Corporation; GlasRoc Brand: www.certainteed.com
      b. Georgia-Pacific Gypsum; DensGlass Sheathing: www.gpgypsum.com
      c. USG Corporation; Securock Brand Glass-Mat Sheathing Regular 1/2 in. (12.7 mm): www.usg.com
      d. Substitutions: See Section 016000 - Product Requirements.

B. Communications and Electrical Room Mounting Boards: PS 1 A-D plywood, or medium density fiberboard; 3/4 inch thick; flame spread index of 25 or less, smoke developed index of 450 or less, when tested in accordance with ASTM E84.

2.05 ACCESSORIES

A. Fasteners and Anchors:
   1. Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.

2.06 FACTORY WOOD TREATMENT

A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
   1. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPA standards.

B. Preservative Treatment:
   1. Preservative Pressure Treatment of Lumber Above Grade: AWPA U1, Use Category UC3B, Commodity Specification A using waterborne preservative.
      a. Kiln dry lumber after treatment to maximum moisture content of 19 percent.
      b. Treat lumber in contact with masonry or concrete.
      c. Treat lumber in other locations as indicated.
   2. Preservative Pressure Treatment of Plywood Above Grade: AWPA U1, Use Category UC2 and UC3B, Commodity Specification F using waterborne preservative.
      a. Kiln dry plywood after treatment to maximum moisture content of 19 percent.
      b. Treat plywood in contact with masonry or concrete.
      c. Treat plywood in other locations as indicated.

PART 3 EXECUTION

3.01 PREPARATION

A. Coordinate installation of rough carpentry members specified in other sections.

3.02 INSTALLATION - GENERAL

A. Select material sizes to minimize waste.

B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.

C. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

3.03 BLOCKING, NAILERS, AND SUPPORTS

A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.

B. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.

C. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.

D. Provide the following specific nonstructural framing and blocking:
   1. Cabinets and shelf supports.
   2. Wall brackets.
   3. Handrails.
   4. Grab bars.
   5. Towel and bath accessories.
   6. Wall-mounted door stops.
   7. Chalkboards and marker boards.
   8. Wall paneling and trim.
   9. Joints of rigid wall coverings that occur between studs.

3.04 INSTALLATION OF CONSTRUCTION PANELS

A. Wall Sheathing: Secure with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using screws.
   1. Install sheathing according to manufacturer's written instructions

B. Communications and Electrical Room Mounting Boards: Secure with screws to studs with edges over firm bearing; space fasteners at maximum 24 inches on center on all edges and into studs in field of board.
   1. At fire-rated walls, install board over wall board indicated as part of the fire-rated assembly.
   2. Where boards are indicated as full floor-to-ceiling height, install with long edge of board parallel to studs.
   3. Install adjacent boards without gaps.
   4. Size: 48 by 96 inches, installed horizontally at ceiling height.

END OF SECTION

SECTION 062000
FINISH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Finish carpentry items.

B. Hardware and attachment accessories.

1.02 REFERENCE STANDARDS

A. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications; 2022.

B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).

C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

D. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2024.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
   1. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

C. Samples: Submit two samples of wood trim 6 inch long.

1.04 QUALITY ASSURANCE

A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver factory-fabricated units to project site in original packages, containers or bundles bearing brand name and identification.

B. Store finish carpentry items under cover, elevated above grade, and in a dry, well-ventilated area not exposed to heat or sunlight.

C. Protect from moisture damage.

D. Handle materials and products to prevent damage to edges, ends, or surfaces.

PART 2 PRODUCTS

2.01 FINISH CARPENTRY ITEMS

A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

2.02 LUMBER MATERIALS

A. Hardwood Lumber: Red Oak species, quarter sawn, maximum moisture content of 6 percent with straight grain , F1F grade.

2.03 SHEET MATERIALS

A. Hardwood Plywood: Face species Red Oak, quarter cut, slip match, medium density fiberboard core; HPVA HP-1 Front Face Grade AA, Back Face Grade 1, glue type as recommended for application.

2.04 PANEL CORE MATERIALS

A. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
   1. Grade: 130; moisture resistance: MR10.

2.05 FASTENINGS

A. Adhesive for Purposes Other Than Laminate Installation: Suitable for the purpose; not containing formaldehyde or other volatile organic compounds.

B. Fasteners: Of size and type to suit application; zinc finish in concealed locations and stainless steel finish in exposed locations.

2.06 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Lumber for Shimming and Blocking: Softwood lumber of indicated species.

C. Wood Filler: Solvent base, tinted to match surface finish color.

2.07 SITE FINISHING MATERIALS

A. Field Finishing: See Section 099123.

2.08 FABRICATION

A. Shop assemble work for delivery to site, permitting passage through building openings.

B. When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify adequacy of backing and support framing.

B. Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.02 INSTALLATION

A. Install custom fabrications in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Set and secure materials and components in place, plumb and level.

C. Carefully scribe work abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim to conceal larger gaps.

3.03 PREPARATION FOR SITE FINISHING

A. Set exposed fasteners. Apply wood filler in exposed fastener indentations. Sand work smooth.

3.04 TOLERANCES

A. Maximum Variation from True Position: 1/16 inch.

B. Maximum Offset from True Alignment with Abutting Materials: 1/32 inch.

END OF SECTION

SECTION 064100
ARCHITECTURAL WOOD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Specially fabricated cabinet units.

B. Countertops.

C. Hardware.

1.02 RELATED REQUIREMENTS

A. Section 123600 - Countertops.

1.03 REFERENCE STANDARDS

A. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications; 2022.

B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).

C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

D. BHMA A156.9 - Cabinet Hardware; 2020.

E. HPVA HP-1 - American National Standard for Hardwood and Decorative Plywood; 2024.

F. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
   1. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).

C. Product Data: Provide data for hardware accessories.

D. Samples: Submit actual samples of the finished wood, minimum 12 inches square.

1.05 QUALITY ASSURANCE

A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
   1. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.

B. Quality Certification:
   1. Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
   2. Provide designated labels on shop drawings as required by certification program.
   3. Provide designated labels on installed products as required by certification program.
   4. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.
   5. Replace, repair, or rework all work for which certification is refused.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Protect units from moisture damage.

1.07 FIELD CONDITIONS

A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

PART 2 PRODUCTS

2.01 CABINETS

A. Quality Standard: Premium Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

B. Wood Veneer Faced Cabinet:
   1. Exposed Surfaces: HPVA HP-1 Grade A, Red Oak, quarter cut, slip-matched.
   2. Semi-Exposed Surfaces: Thermally fused, melamine-impregnated laminate, NEMA LD 3, Grade VGL
   3. Concealed Surfaces: Manufacturer's option.

C. Cabinets:
   1. Grained Face Layout for Cabinet and Door Fronts: Flush panel.
      a. Premium Grade:
         1) Provide vertical run and match for doors, drawer fronts and false fronts within each cabinet unit.
         2) Provide well-matched doors, drawer fronts and false fronts across multiple cabinet faces in one elevation.
   2. Cabinet Design Series: As indicated on drawings.
   3. Adjustable Shelf Loading: 40 psf.
      a. Deflection: L/144.
   4. Cabinet Style: Flush overlay.
   5. Cabinet Doors and Drawer Fronts: Flush style.

2.02 WOOD-BASED COMPONENTS

A. Hardwood Edgebanding: Use solid hardwood edgebanding matching species, color, grain, and grade for exposed portions of cabinetry.
   1. Thickness: 1/4"

2.03 PANEL CORE MATERIALS

A. Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
   1. Grade: 130; moisture resistance: MR10.

2.04 HARDWOOD PLYWOOD PANELS

A. Hardwood Plywood: Plywood manufactured for nonstructural decorative applications; consisting of faces and backs applied to a variety of core types; comply with HPVA HP-1.
   1. Woodwork Quality Standard: Panels complying with specified woodwork quality standard.
   2. Face: Red oak; quarter-cut; grade AA; slip match.
   3. Back: melamine
   4. Core, Medium Density Fiberboard: Comply with ANSI A208.2.
      a. Grade: 130; moisture resistance: MR10.

2.05 THERMALLY FUSED LAMINATE PANELS

A. Thermally Fused Laminate (TFL): Melamine- or polyester-resin-saturated decorative papers; for fusion to composite wood substrates under heat and pressure.
   1. Test in accordance with NEMA LD 3 Section 3.
   2. Panel Core Substrate: Medium Density Fiberboard (MDF).
   3. Color: White.

2.06 LAMINATE MATERIALS

A. Manufacturers:
   1. Refer to Finish Schedule

B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.

C. Provide specific types as follows:
   1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, colors as indicated, finish as indicated.

2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, colors as indicated, finish as indicated.

2.07 COUNTERTOPS

A. Countertops: See Section 123600.

2.08 ACCESSORIES

A. Adhesive: Type recommended by fabricator to suit application.

B. Plastic Edge Banding: Extruded PVC, flat shape with eased edges; of width to match component thickness.
   1. Color: to match laminate surface color and pattern
   2. Thickness: 3mm

C. Fasteners: Size and type to suit application.

D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.

E. Concealed Joint Fasteners: Threaded steel.

F. Grommets: Standard plastic grommets for cut-outs, in color to match adjacent surface.

2.09 HARDWARE

A. Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.

B. Exposed Hardware Finishes: provide finuish that complies with ANSI/BHMA A156.18 for finish number indicated
   1. Satin Chromium Plated: ANSI/BHMA 626 for brass or bronze base; ANSI/BHMA 652 for steel base

C. Concealed Hardware Finishes: provide manufacturer's standard finish that complies with product class requirements in ANSI/BHMA A156.9

D. Adjustable Shelf Supports: Standard side-mounted system using multiple holes for pin supports and coordinated self rests, satin chrome finish, for nominal 1 inch spacing adjustments.

E. Drawer and Door Pulls: "U" shaped wire pull, steel with chrome finish, 4 inch centers.
   1. 5/16 inch diameter

F. Keyed Cabinet Locks: Keyed cylinder, two keys per lock, steel with satin finish.
   1. Door Locks: ANSI/BHMA A156.11, E07121
   2. Drawer Locks: ANSI/BHMA A156.11, E07041

G. Drawer Slides:
   1. Type: Full extension.
   2. Static Load Capacity: Heavy Duty grade.
   3. Stops: Integral type.
   4. Features: Provide self closing/stay closed type.
   5. Manufacturers:
      a. Blum, Inc: www.blum.com
      b. Grass America Inc: www.grassusa.com
      c. Knape & Vogt Manufacturing Company: www.knapeandvogt.com
      d. Substitutions: See Section 016000 - Product Requirements.

H. Hinges: European style concealed self-closing type, ANSI/BHMA A 156.9, B01602 , steel with nickel-plated finish.
   1. Manufacturers:
      a. Blum, Inc: www.blum.com
      b. Grass America Inc: www.grassusa.com
      c. Substitutions: See Section 016000 - Product Requirements.

I. Grommets for Cable Passage: 1-1/4 inch OD, molded plastic grommets and matching plastic caps with slot for wire passage.

J. Door and Door Silencers: ANSI/BHMA A156.16, L03011; clear silicone, stick on type at all cabinet doors and drawers

2.10 SITE FINISHING MATERIALS

A. Stain, Shellac, Varnish, and Finishing Materials: In compliance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

2.11 FABRICATION

A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.

B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.

C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.

D. Matching Wood Grain: Comply with requirements of quality standard for specified Grade and as follows:
   1. Provide balance matched panels at each elevation.
   2. Provide sequence matching across each elevation.
   3. Carry figure of cabinet fronts to toe kicks.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify adequacy of backing and support framing.

3.02 INSTALLATION

A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.

B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.

C. Use concealed joint fasteners to align and secure adjoining cabinet units.

D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.

E. Secure cabinets to floor using appropriate angles and anchorages.

3.03 ADJUSTING

A. Adjust moving or operating parts to function smoothly and correctly.

3.04 CLEANING

A. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION

SECTION 071400
FLUID-APPLIED WATERPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Polyurethane waterproofing.

B. Cold-applied asphalt-extended polyurethane waterproofing.

1.02 ABBREVIATIONS

1.03 REFERENCE STANDARDS

A. ASTM C836/C836M - Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course; 2018 (Reapproved 2022).

B. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension; 2016 (Reapproved 2021).

C. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness; 2015 (Reapproved 2021).

D. ASTM D4541 - Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers; 2022.

E. NRCA (WM) - The NRCA Waterproofing Manual; 2021.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data for membrane, surface conditioner, flexible flashings, joint cover sheet, and joint and crack sealants.

1.05 FIELD CONDITIONS

A. Maintain ambient temperatures above 40 degrees F for 24 hours before and during application and until cured.

PART 2 PRODUCTS

2.01 FLUID-APPLIED WATERPROOFING MATERIALS

A. Polyurethane Waterproofing: Cold-applied, high solids content polyurethane waterproofing complying with ASTM C836/C836M.
   1. Cured Thickness: 90 mil, 0.090 inch, minimum.
   2. Suitable for installation over concrete substrates.
   3. Components: One or two.
   4. Tensile Strength: 400 psi, minimum, measured in accordance with ASTM D412.
   5. Ultimate Elongation: 168 percent, minimum, measured in accordance with ASTM D412.
   6. Durometer Hardness, Type A: 30, minimum, in accordance with ASTM D2240.
   7. Adhesion: 150 psi, minimum, measured in accordance with ASTM D4541.
   8. Products:
      a. Carlisle Coatings & Waterproofing, Inc; CCW 703 Liquiseal: www.carlisleccw.com/#sle.
      b. GCP Applied Technologies; Bituthene Liquid Membrane: www.gcpat.com/#sle.
      c. Tremco Commercial Sealants & Waterproofing; TREMproof 250GC: www.tremcosealants.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.

2.02 ACCESSORIES

A. Surface Conditioner: A type, compatible with membrane compound; as recommended by membrane manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify substrate surfaces are free of frozen matter, dampness, loose particles, cracks, pits, projections, penetrations, or foreign matter detrimental to adhesion or application of waterproofing system.

C. Verify that substrate surfaces are smooth, free of honeycomb or pitting, and not detrimental to full contact bond of waterproofing materials.

D. Verify that items penetrating surfaces to receive waterproofing are securely installed.

E. Where existing conditions are responsibility of another installer, notify Architect of unsatisfactory conditions.

F. Do not proceed with this work until unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Protect adjacent surfaces from damage not designated to receive waterproofing.

B. Clean and prepare surfaces to receive waterproofing in accordance with manufacturer's instructions; vacuum substrate clean.

C. Do not apply waterproofing to surfaces unacceptable to waterproofing manufacturer.

D. Fill non-moving joints and cracks with a filler compatible with waterproofing materials.

E. Seal moving cracks with sealant and non-rigid filler, using procedures recommended by sealant and waterproofing manufacturers.

3.03 INSTALLATION

A. Install waterproofing to specified minimum thickness in accordance with manufacturers instructions and NRCA (WM) applicable requirements.

B. Seal membrane and flashings to adjoining surfaces.

END OF SECTION

SECTION 072100
THERMAL INSULATION

PART 2 PRODUCTS

1.01 APPLICATIONS

A. Insulation at Perimeter of Foundation: Extruded polystyrene (XPS) board.

B. Insulation at masonry cavity wall: Extruded Polystyrene (XPS) board

C. Continuous Insulation Over Metal Stud Framed Walls, Continuous: polyisocyanurate with facers or mineral wool board with facers both sides.

D. Insulation in Metal Framed Walls: Batt insulation with integral vapor retarder.

E. Insulation at roof deck: Faced polyisocyanurate insulation

F. Insulation in flutes of 3" acoustical roof deck: unfaced batt insulation

G. Insulation in drywall sound partitions: Unfaced mineral fiber batts in sound partition assemblies complete with hangers if insulation does not friction fit

1.02 FOAM BOARD INSULATION MATERIALS

A. Extruded Polystyrene (XPS) Board Insulation at footings: Comply with ASTM C578 with either natural skin or cut cell surfaces.
   1. Type and Compressive Resistance: Type IV, 25 psi (173 kPa), minimum.
   2. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
   3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
   4. Type and Thermal Resistance, R-value: Type IV, 5.0 (0.88), minimum, per 1 inch thickness at 75 degrees F mean temperature.
   5. Board Edges: Square.
   6. Extruded polysyrene Board at footings:
   7. Board Thickness: 2 inches
   8. Board size: 24 inches x 96 inches
   9. Products:
      a. DuPont de Nemours, Inc: building.dupont.com.
      b. Kingspan Insulation LLC: www.kingspan.com.
      c. Owens Corning Corporation: www.ocbuildingspec.com.
      d. Substitutions: See Section 016000 - Product Requirements.

B. Extruded Polystyrene (XPS) Cavity Wall Insulation Board: Comply with ASTM C578, and manufactured using carbon black technology.
   1. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
   2. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
   3. Type and Thermal Resistance, R-value: Type IV, 5.6 (0.98), minimum, per 1 inch thickness at 75 degrees F mean temperature.
   4. Board Size: 15-3/4 inch by 96 inch.
   5. Board Thickness: 2-3/16 inch.(R-12)
   6. Board Edges: Square.
   7. Products:
      a. DuPont de Nemours, Inc; Styrofoam Brand Cavitymate Ultra: building.dupont.com/#sle.
      b. Substitutions: See Section 016000 - Product Requirements.

C. Polyisocyanurate (ISO) Board Insulation at roof: Rigid cellular foam, comply with ASTM C1289.
   1. Classifications:
      a. Type II: Faced with either cellulosic facers or glass fiber mat facers on both major surfaces of the core foam.
         1) Class 1 - Faced with glass fiber reinforced cellulosic facers on both major surfaces of core foam.

2) Compressive Strength: Classes 1-2-3, Grade 1 - 16 psi (110 kPa), minimum.
3) Thermal Resistance, 14.4: At 2.5 inch thick; Class 1, Grades 1-2-3 - 8.4 (1.48), minimum, at 75 degrees F.

2. Board Size: 48 inch by 96 inch.
3. Board Thickness: 2.5 inch.
4. Tapered Board: Slope as indicated; minimum thickness 1/2 inch; fabricate of fewest layers possible.
5. Board Edges: Square.
6. Products:
   a. Atlas Roofing Corporation; ACFoam-II Polyiso Roof Insulation: www.atlasroofing.com/#sle.
   b. DuPont de Nemours, Inc; Thermax (ci): building.dupont.com/#sle.
   c. Johns Manville; fiber glass faced: www.jm.com/#sle.

D. Rigid Cellular Polyisocyanurate (ISO) Thermal Insulation Board with Facers Both Sides continuous exterior wall insulation: Complying with ASTM C1289.
1. Classifications:
   a. Type I: Faced with aluminum foil on both major surfaces of core foam.
      1) Class 2 - Glass fiber reinforced or non-reinforced core foam.
      2) Compressive Strength: 16 psi, minimum.
      3) Thermal Resistance, R-value: At 2 inch thick; 13, minimum, at 75 degrees F.
2. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
4. Board Size: 24 inch by 96 inch.
5. Products:
   a. Dupont Thermax Sheathing is use as reference standard.
   b. Substitutions: See Section 016000 - Product Requirements.

1.03 MINERAL FIBER BOARD INSULATION MATERIALS

A. Mineral Wool Block, Board, or Blanket Thermal Insulation: Complying with ASTM C612 or ASTM C553.
1. Where indicated, provide foil facing on one side; with flame spread index of 25 or less, when tested in accordance with ASTM E84.
2. Smoke Developed Index: 450 or less, when tested in accordance with ASTM E84.
3. Board Size: 24 by 48 inches.
4. Board Thickness: 2 inches.
5. Thermal Resistance: R-value of 4.2 per inch at 75 degrees F, minimum, when tested in accordance with ASTM C518.
6. Products:
   a. Johns Manville; CladStone 45 Water & Fire Block Insulation: www.jm.com
   b. ROCKWOOL; CAVITYROCK: www.rockwool.com
   c. Thermafiber, Inc; RainBarrier 45: www.thermafiber.com
   d. Substitutions: See Section 016000 - Product Requirements.

1.04 MINERAL FIBER BLANKET INSULATION MATERIALS

A. Flexible Glass Fiber Blanket Thermal Insulation: Preformed insulation, complying with ASTM C665; friction fit. Exterior Walls
1. Classification: Type III, Class A, Category 1
2. Flame Spread Index: 25 or less, when tested in accordance with ASTM E84.
3. Smoke Developed Index: 450 or less, when tested in accordance with ASTM E84.
4. Combustibility: Non-combustible, when tested in accordance with ASTM E136.
5. Formaldehyde Content: Zero.
6. Facing: Aluminum foil, flame spread 25 rated; one side.where exposed
7. Products:
   a. CertainTeed Corporation: www.certainteed.com

b. Johns Manville: www.jm.com
c. Owens Corning Corporation: www.ocbuildingspec.com
d. Substitutions: See Section 016000 - Product Requirements.

B. Mineral Wool Blanket Thermal Insulation: Flexible or semi-rigid preformed insulation, complying with ASTM C665.
1. Smoke Developed Index: 450 or less, when tested in accordance with ASTM E84.

1.05 ACCESSORIES

A. Tape: Reinforced polyethylene film with acrylic pressure sensitive adhesive.
1. Application: Sealing of interior circular penetrations, such as pipes or cables.
2. Width: Are required for application.

B. Insulation Fasteners: Appropriate for purpose intended.

PART 3 EXECUTION

2.01 EXAMINATION

A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.

B. Verify substrate surfaces are flat, free of honeycomb, fins, irregularities, or materials or substances that may impede adhesive bond.

2.02 BOARD INSTALLATION AT FOUNDATION PERIMETER

A. Install boards horizontally on foundation perimeter.
1. Butt edges and ends tightly to adjacent boards and to protrusions.

B. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

2.03 BOARD INSTALLATION AT CAVITY WALLS

A. Install boards to fit snugly between wall ties.

B. Install boards horizontally on walls.
1. Install in running bond pattern.
2. Butt edges and ends tightly to adjacent boards and protrusions.

C. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

2.04 BATT INSTALLATION

A. Install insulation and vapor retarder in accordance with manufacturer's instructions.

B. Install in exterior wall spaces without gaps or voids. Do not compress insulation.

C. Trim insulation neatly to fit spaces. Insulate miscellaneous gaps and voids.

D. Fit insulation tightly in cavities and tightly to exterior side of mechanical and electrical services within the plane of the insulation.

E. Tape insulation batts in place.

F. Tape seal butt ends, lapped flanges, and tears or cuts in membrane.

G. At metal framing, place vapor retarder; lap and seal sheet retarder joints over face of member

H. Tape seal tears or cuts in vapor retarder.

I. Extend vapor retarder tightly to full perimeter of adjacent window and door frames and other items interrupting the plane of the membrane; tape seal in place.

2.05 PROTECTION

A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION

SECTION 072700
AIR BARRIERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Air barriers.

1.02 DEFINITIONS

A. Air Barrier: Airtight barrier made of material that is virtually air impermeable but water vapor permeable, both to amount as specified, with sealed seams and sealed joints to adjacent surfaces.

1.03 REFERENCE STANDARDS

A. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension; 2016 (Reapproved 2021).

B. ASTM D903 - Standard Test Method for Peel or Stripping Strength of Adhesive Bonds; 1998 (Reapproved 2017).

C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2022.

D. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials; 2022a.

E. ASTM E2178 - Standard Test Method for Determining Air Leakage Rate and Calculation of Air Permeance of Building Materials; 2021a.

F. NFPA 285 - Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components; 2023.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data on material characteristics, performance criteria, and limitations.

1.05 MOCK-UPS

A. Construct air barrier mock-up, 4 feet long by 8 feet wide, indicating coverage and joint detailing.

B. Locate where directed.

C. Mock-up may remain as part of work.

1.06 FIELD CONDITIONS

A. Maintain temperature and humidity recommended by materials manufacturers before, during, and after installation.

PART 2 PRODUCTS

2.01 AIR BARRIER MATERIALS (AIR IMPERMEABLE AND WATER VAPOR PERMEABLE)

A. Air Barrier, Fluid Applied: Vapor semi-permeable, elastomeric waterproofing.
   1. Air Barrier Coating:
      a. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
      b. Water Vapor Permeance: 11 perms, minimum, when tested in accordance with ASTM E96/E96M using Procedure B - Water Method, at 73.4 degrees F.
      c. Ultraviolet (UV) and Weathering Resistance: Approved by manufacturer for up to 90 days of weather exposure.
      d. Elongation: 300 percent, minimum, when tested in accordance with ASTM D412.
      e. Surface Burning Characteristics: Flame spread index of 25 or less, smoke developed index of 450 or less, Class A when tested in accordance with ASTM E84.
      f. Comply with NFPA 285 requirements for wall assembly.

g. Sealants, Tapes and Accessories: As recommended by coating manufacturer.
h. Products:
    1) Dow Chemical Company; DOWSIL DefendAir 200C: consumer.dow.com/en-us/industry/ind-building-construction.html
    2) Master Builders Solutions; MasterSeal AWB 660: www.master-builders-solutions/en-us
    3) Parex USA, Inc; Parex USA WeatherSeal Spray & Roll-on: www.parexusa.com
    4) Pecora Corporation; Pecora ProPerm VP - Vapor Permeable Air Barrier System with XL-Flash Liquid Flashing and Joint Filler, AVB Silicone Surface Transitions, and XL-Span Transition Membrane: www.pecora.com
    5) Sto Corp; Sto Gold Coat: www.stocorp.com
    6) W.R. Meadows, Inc; Air-Shield TMP: www.wrmeadows.com
    7) Substitutions: See Section 016000 - Product Requirements.

2.02 ACCESSORIES

A. Sealants, Tapes, and Accessories for Sealing Air Barrier and Adjacent Substrates: As indicated or in compliance with air barrier manufacturer's installation instructions.

B. Sealant for Cracks and Joints In Substrates: Resilient elastomeric joint sealant compatible with substrate and air barrier materials.
    1. Elongation: 1,300 percent, measured in accordance with ASTM D412.
    2. Peel Adhesion: 28 lb/inch, minimum, when tested in accordance with ASTM D903.
    3. Comply with NFPA 285 requirements for wall assembly.

C. Thinners and Cleaners: As recommended by material manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces and conditions are ready for work of this section.

B. Where existing conditions are responsibility of another installer, notify Architect of unsatisfactory conditions.

C. Do not proceed with this work until unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Remove projections, protruding fasteners, and loose or foreign matter that might interfere with proper installation.

B. Clean and prime substrate surfaces to receive adhesives and sealants in accordance with manufacturer's installation instructions.

3.03 INSTALLATION

A. Install materials in accordance with manufacturer's installation instructions.

B. Air Barriers: Install continuous airtight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.

C. Apply sealants and adhesives within recommended temperature range in accordance with manufacturer's installation instructions.

D. Fluid-Applied Coatings or Membranes:
    1. Prepare substrate in accordance with manufacturer's installation instructions; treat joints in substrate and between dissimilar materials as indicated.
    2. Seal joints between panels and around penetrations
    3. Where exterior masonry veneer is being installed, install masonry anchors before installing air barrier over masonry; provide airtight seal around anchors.
    4. Apply bead or trowel coat of mastic sealant with minimum thickness of 1/4 inch along coating seams, rough cuts, and as recommended by manufacturer.
    5. Use flashing to seal to adjacent construction and to bridge joints in coating substrate.

E. Openings and Penetrations in Exterior Air Barriers:
   1. Install flashing over sills, covering entire sill frame member, extending at least 5 inches onto air barrier and at least 6 inches up jambs; mechanically fasten stretched edges.
   2. At openings with frames having nailing flanges, seal head and jamb flanges using a continuous bead of sealant compressed by flange and cover flanges with sealing tape at least 4 inches wide; do not seal sill flange.
   3. At openings with nonflanged frames, seal air barrier to each side of framing at opening using flashing at least 9 inches wide, and covering entire depth of framing.
   4. At head of openings, install flashing under air barrier extending at least 2 inches beyond face of jambs; seal air barrier to flashing.
   5. At interior face of openings, seal gap between window/door frame and rough framing, using joint sealant over backer rod.
   6. Service and Other Penetrations: Form flashing around penetrating item and seal to air barrier surface.

3.04 PROTECTION

A. Do not leave materials exposed to weather longer than recommended by manufacturer.

END OF SECTION

SECTION 074213
METAL WALL PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Manufactured metal panels for exterior wall panels, with related flashings and accessory components.

1.02 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data - Wall System: Manufacturer's data sheets on each product to be used, including:
   1. Physical characteristics of components shown on shop drawings.
   2. Storage and handling requirements and recommendations.
   3. Installation instructions and recommendations.

C. Manufacturer's qualification statement.

D. Installer's qualification statement.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years of documented experience.

B. Installer Qualifications: Company specializing in installing products specified in this section with minimum five years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.

B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.

C. Prevent contact with materials that may cause discoloration or staining of products.

1.06 FIELD CONDITIONS

A. Do not install wall panels when air temperature or relative humidity are outside manufacturer's limits.

1.07 WARRANTY

A. See Section 017800 - Closeout Submittals for additional warranty requirements.

B. Finish Warranty: Provide 5-year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking. Complete forms in Owner's name and register with warrantor.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Metal Wall Panels - Exposed Fasteners:
   1. Berridge Manufacturing Company; BR-12: www.berridge.com is used as reference standard
   2. Fabral: www.fabral.com
   3. McElroy Metal: www.mcelroymetal.com
   4. Pac-Clad
   5. Substitutions: See Section 016000 - Product Requirements.

2.02 METAL WALL PANEL SYSTEM

A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.
   1. Provide exterior wall panels.
   2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
   3. Maximum Allowable Deflection of Panel: L/180 for length(L) of span.
   4. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
   5. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
   6. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
   7. Corners: Factory-fabricated in one continuous piece with minimum 2-inch returns.

B. Exterior Wall Panels:
   1. Profile: Vertical; style as indicated.
   2. Side Seams: lapped, sealed with continuous bead of sealant.
   3. Material: Precoated steel sheet, 24 gauge, 0.0239 inch minimum thickness.
   4. Panel Width: 12 inches.
   5. Color: Pre-weathered Galvalume (Kynar 500), Premium Metallic by Berridge.

C. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.

D. Trim: Same material, thickness and finish as exterior sheets; brake formed to required profiles.

E. Anchors: Galvanized steel.

2.03 MATERIALS

A. Precoated Steel Sheet: Hot-dipped galvanized steel sheet, ASTM A653/A653M, Structural Steel (SS) or Forming Steel (FS), with G90/Z275 coating; continuous coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.04 FINISHES

A. Exposed Surface Finish: Panel manufacturer's standard polyvinylidene fluoride (PVDF) coating, top coat over epoxy primer.

B. Panel Backside Finish: Panel manufacturer's standard siliconized polyester wash coat.

2.05 ACCESSORIES

A. Concealed Sealants: Non-curing butyl sealant or tape sealant, see Section 079200

B. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers, steel, hot dip galvanized. Fastener cap same color as exterior panel.
   1. Metal-to-Metal Fasteners: Self-drilling, self-tapping screws.

C. Field Touch-up Paint: As recommended by panel manufacturer.

D. Bituminous Paint: Asphalt base.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that building framing members are ready to receive panels.

B. Verify air barrier, see Section 072700, has been installed over wall panel substrate; see Section 054000.

3.02 INSTALLATION

A. Install panels on walls in accordance with manufacturer's instructions.

B. Fasten panels to structural supports; aligned, level, and plumb.

C. Lap panel ends 2 inches, minimum.

3.03 TOLERANCES

A. Offset From True Alignment Between Adjacent Members Abutting or In Line: 1/16 inch, maximum.

3.04 CLEANING

A. Remove site cuttings from finish surfaces.

B. Remove protective material from wall panel surfaces.

C. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.

3.05 PROTECTION

A. Protect metal wall panels until completion of project.

B. Touch-up, repair, or replace damaged wall panels or accessories before Date of Substantial Completion.

END OF SECTION

SECTION 075400
THERMOPLASTIC MEMBRANE ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Adhered system with thermoplastic roofing membrane.

B. Insulation, flat and tapered.

C. Cover boards.

D. Flashings.

E. Roofing cant strips, stack boots, and walkway pads.

1.02 REFERENCE STANDARDS

A. ASTM C1177/C1177M - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2017.

B. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2022a.

C. ASTM D4434/D4434M - Standard Specification for Poly(Vinyl Chloride) Sheet Roofing; 2021.

D. NRCA (RM) - The NRCA Roofing Manual; 2025.

E. NRCA (WM) - The NRCA Waterproofing Manual; 2021.

F. UL (FRD) - Fire Resistance Directory; Current Edition.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data indicating membrane materials, flashing materials, insulation, and fasteners.

C. Shop Drawings: Submit drawings that indicate joint or termination detail conditions, conditions of interface with other materials, setting plan for tapered insulation, and mechanical fastener layout.

D. Manufacturer's qualification statement.

E. Installer's qualification statement.

F. Warranty Documentation:
   1. Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
   2. Submit installer's written verification that installation complies with warranty conditions for waterproof membrane.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum ten years of documented experience.

B. Installer Qualifications: Company specializing in performing work of this section with at least five years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's original containers, dry and undamaged, with seals and labels intact, unless otherwise indicated.

B. Store materials in weather protected environment, clear of ground and moisture.

C. Ensure storage and staging of materials does not exceed static and dynamic load-bearing capacities of roof decking.

D. Protect foam insulation from direct exposure to sunlight.

1.06 FIELD CONDITIONS

A. Do not apply roofing membrane during unsuitable weather.

B. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.

C. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

D. Schedule applications so that no partially completed sections of roof are left exposed at end of workday.

1.07 WARRANTY

A. See Section 017800 - Closeout Submittals for additional warranty requirements.

B. The Contractor shall guarantee the materials and workmanship and shall provide the owner with the attached Roofing Contractor Materials and Workmanship Warranty (1 page) covering workmanship for a periord of **15 years** from completion date

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Thermoplastic Polyvinyl Chloride (PVC) Membrane Roofing Materials:
   1. Carlisle SynTec Systems; Sure-Flex PVC: www.carlisle-syntec.com
   2. Johns Manville; PVC SD Plus: www.jm.com
   3. Sika Corporation Roofing; Sarnafil PVC: usa.sika.com/sarnafil/
   4. Duro-last: www.duro-last.com.
   5. Substitutions: See Section 016000 - Product Requirements.

B. Insulation:
   1. Atlas EPS; Reference Product: ACFoam-II
   2. Carlisle SynTec Systems: www.carlisle-syntec.com
   3. GAF: www.gaf.com
   4. Hunter Panels: www.hunterpanels.com
   5. Substitutions: See Section 016000 - Product Requirements.

2.02 ROOFING

A. Thermoplastic Membrane Roofing: One ply membrane, fully adhered, over insulation.

B. Roofing Assembly Requirements:
   1. Material Compatibility: roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roof membrane manufacturer based on testing and field experience.
   2. Wind Uplift Resistance: Design roofing system to resist the following wind uplift pressures when tested according to FM Approvals 4474, UL 580, or UL 1897:
      a. Zone 1 (Roof Area Field): -17 lbs/sq. ft.
      b. Zone 2 (Roof Area Perimeter): -20 lbs/sq. ft.
      c. Zone 3 (Roof Area Corners: -24 lbf/sq. ft.
   3. Roof Covering External Fire Resistance Classification: UL (FRD) Class A.

2.03 MEMBRANE ROOFING AND ASSOCIATED MATERIALS

A. Membrane Roofing Materials:
   1. PVC: Polyvinyl chloride (PVC) complying with ASTM D4434/D4434M, Type III, sheet contains reinforcing fibers or reinforcing fabrics.
      a. Thickness: 60 mil, 0.060 inch, minimum.
   2. Sheet Width:
      a. Adhered Application: Limit width to 120 inches, maximum, when ambient temperatures are less than 40 degrees F for extended period of time during installation.
   3. Color: White.

B. Seaming Materials: As recommended by membrane manufacturer.

C. Membrane Fasteners: As recommended and approved by membrane manufacturer.

D. Flexible Flashing Material: Same material as membrane.

2.04 COVER BOARDS

A. Cover Boards: Glass-mat faced gypsum panels complying with ASTM C1177/C1177M.
   1. Board Size: 48 by 96 inches
   2. Thickness: 1/2 inch, fire-resistant.
   3. Products:
      a. Georgia-Pacific; DensDeck: www.densdeck.com
      b. Gold Bond Building Products, LLC provided by National Gypsum Company; DEXcell Glass Mat Roof Board: www.goldbondbuilding.com
      c. Substitutions: See Section 016000 - Product Requirements.

2.05 INSULATION

A. Polyisocyanurate (ISO) Board Insulation: Rigid cellular foam, complying with ASTM C1289.
   1. Classifications:
      a. Type II: Faced with either cellulosic facers or glass fiber mat facers on both major surfaces of the core foam.
         1) Class 2 - Faced with coated glass fiber mat facers on both major surfaces of the core foam.
         2) Compressive Strength: Classes 1-2-3, Grade 2, 20 psi (138 kPa), minimum.
         3) Thermal Resistance, R-value: At 1-1/2 inches thick; Class 2, 8.0 (1.41), minimum, at 75 degrees F.
   2. Board Size: 48 by 96 inches.
   3. Board Thickness:
      a. Minimum layer thickness is 2.5 inches unless noted otherwise.
   4. Tapered Board: Slope as indicated; minimum thickness 1/2 inch; fabricate of fewest layers possible.
   5. Board Edges: Square.
   6. Products:
      a. See Section 072110 Thermal Insulation.

2.06 ACCESSORIES

A. Stack Boots: Prefabricated flexible boot and collar for pipe stacks through membrane; same material as membrane.

B. Insulation Fasteners: Appropriate for purpose intended and approved by roofing manufacturer.
   1. Length as required for thickness of insulation material and penetration of deck substrate, with metal washers.

C. Membrane Adhesive: As recommended by membrane manufacturer.

D. Thinners and Cleaners: As recommended by adhesive manufacturer, compatible with membrane.

E. Sealants: As recommended by membrane manufacturer.

F. Walkway Pads: Suitable for maintenance traffic, contrasting color or otherwise visually distinctive from roof membrane.
   1. Composition: Roofing membrane manufacturer's standard.
   2. Surface Color: gray.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces and site conditions are ready to receive work.

B. Verify deck is supported and secure.

C. Verify deck is clean and smooth, flat, free of depressions, waves, or projections, properly sloped and suitable for installation of roof system.

D. Verify deck surfaces are dry and free of snow or ice.

E. Verify that roof openings, curbs, and penetrations through roof are solidly set, and cant strips are in place.

3.02 INSTALLATION, GENERAL

A. Perform work in accordance with manufacturer's instructions, NRCA (RM), and NRCA (WM) applicable requirements.

B. Do not apply roofing membrane during cold or wet weather conditions.

C. Do not apply roofing membrane when ambient temperature is outside the temperature range recommended by manufacturer.

D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.

E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.

3.03 INSTALLATION - INSULATION, UNDER MEMBRANE

A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at end of workday

B. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks

C. Make joints between adjacent insulation boards not more than 1/4 inch in width

D. Cut and fit insulation within 1/4 inch of nailers

E. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches from previous layer of insulation.
   1. Staggered end joints with each layer not less than 24 inches in adjacent rows.
   2. Install with long joints continuous and with end joints staggered not less than 12 inches in adjacent rows

F. Trim insulation so that water flow is unrestricted.

G. Attachment of Insulation:
   1. Mechanically fasten insulation to deck in accordance with roofing manufacturer's instructions.

H. Cover Boards: Adhere cover boards in accordance with roofing manufacturer's instructions.

I. Place tapered insulation to the required slope pattern in accordance with manufacturer's instructions.

J. On metal deck, place boards parallel to flutes with insulation board edges bearing on deck flutes.

K. Do not install more insulation than can be covered with membrane in same day.

3.04 INSTALLATION - COVER BOARD

A. Adhere cover boards in accordance with roofing manufacturer's instructions.

B. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joinits of insulation below a minimum of 6 iinches in each direction

C. Trim boards neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks

D. Trim cover boards so that water flow is unrestricted.

3.05 INSTALLATION - MEMBRANE

A. Roll out membrane, free from wrinkles or tears. Place sheet into place without stretching.

B. Shingle joints on sloped substrate in direction of drainage.

C. Fully Adhered Application: Apply adhesive to substrate at rate of ___ gallons per square foot. Fully embed membrane in adhesive except in areas directly over or within 3 inches of expansion joints. Fully adhere one roll before proceeding to adjacent rolls.

D. Overlap edges and ends and seal seams by heat welding, minimum 3 inches. Seal permanently waterproof. Apply uniform bead of sealant to joint edge.

E. Mechanical Attachment: Install membrane and mechanical attachment devices in accordance with manufacturer's instructions.

F. At intersections with vertical surfaces:
   1. Extend membrane over cant strips and up a minimum of 4 inches onto vertical surfaces.
   2. Fully adhere flexible flashing over membrane and up to nailing strips.

G. Around roof penetrations, seal flanges and flashings with flexible flashing.

H. Coordinate installation of roof drains and sumps and related flashings.

3.06 CLEANING

A. See Section 017000 - Execution and Closeout Requirements for additional requirements.

B. Remove bituminous markings from finished surfaces.

C. In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and comply with their documented instructions.

D. Repair or replace defaced or damaged finishes caused by work of this section.

3.07 PROTECTION

A. Protect installed roofing and flashings from construction operations.

B. Where traffic must continue over finished roof membrane, protect surfaces using durable materials.

END OF SECTION

SECTION 076200
SHEET METAL FLASHING AND TRIM

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fabricated sheet metal items, including flashings and counterflashings.

B. Sealants for joints within sheet metal fabrications.

1.02 REFERENCE STANDARDS

A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

C. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.

D. ASTM D4586/D4586M - Standard Specification for Asphalt Roof Cement, Asbestos-Free; 2007 (Reapproved 2018).

E. SMACNA (ASMM) - Architectural Sheet Metal Manual; 2012.

1.03 QUALITY ASSURANCE

A. Perform work in accordance with SMACNA (ASMM) requirements and standard details, except as otherwise indicated.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Stack material to prevent twisting, bending, and abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.

B. Prevent contact with materials that could cause discoloration or staining.

PART 2 PRODUCTS

2.01 SHEET MATERIALS

A. Galvanized Steel: ASTM A653/A653M, with G90/Z275 zinc coating; minimum 24-gauge, 0.0239-inch thick base metal.

B. Pre-Finished Galvanized Steel: ASTM A653/A653M, with G90/Z275 zinc coating; minimum 24-gauge, 0.0239-inch thick base metal, shop pre-coated with PVDF coating.
   1. Texture: smooth, flat
   2. Polyvinylidene Fluoride (PVDF) Coating: Superior performing organic powder coating, AAMA 2605; multiple coat, thermally cured fluoropolymer finish system.
   3. Color: As selected by Architect from manufacturer's standard colors.
   4. Concealed Finish: Pretreat with manufacturer's standard acrylic or polyester backer finish, consisting of prime coat and wash coat with minimum total dry film thickness of 0.5 mil.

2.02 FABRICATION

A. Form sections true to shape, accurate in size, square, and free from distortion or defects.

B. Form pieces in longest possible lengths.

C. Hem exposed edges on underside 1/2 inch; miter and seam corners.

D. Form material with flat lock seams, except where otherwise indicated; at moving joints, use sealed lapped, bayonet-type or interlocking hooked seams.

E. Fabricate corners from one piece with minimum 18-inch long legs; seam for rigidity, seal with sealant.

F. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.

1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with butyl sealant concealed within joints.
2. Use lapped expansion joints only where indicated on Drawings.

G. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal

2.03 ACCESSORIES

A. Fasteners: Wood screws, annular threaded nails, self-locking rivets, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal or manufacturerd item..
1. General: Blind fasteners or self-drilling, gasketed screws with hex-washer head
2. Exposed Fasteners: Heads matching color of sheet metal using factory-applied coating. Provide metal backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.
3. Blind Fasteners: High Strength aluminum or stainless steel rivets suitable for metal being fastened.

B. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick

C. Slip Sheet: Rosin-sized sheathing paper.

D. Primer Type: Zinc chromate.

E. Concealed Sealants: Non-curing butyl sealant.

F. Exposed Sealants: ASTM C920; elastomeric sealant, with minimum movement capability as recommended by manufacturer for substrates to be sealed; color to match adjacent material.

G. Asphalt Roof Cement: ASTM D4586/D4586M, Type I, asbestos-free.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify roof openings, curbs, pipes, sleeves, ducts, and vents through roof are solidly set, reglets in place, and nailing strips located.

B. Verify roofing termination and base flashings are in place, sealed, and secure.

3.02 PREPARATION

A. Install starter and edge strips, and cleats before starting installation.

B. Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil, 0.015 inch.

3.03 INSTALLATION

A. Secure flashings in place using concealed fasteners, and use exposed fasteners only where permitted..

B. Apply plastic cement compound between metal flashings and felt flashings.

C. Fit flashings tight in place; make corners square, surfaces true and straight in planes, and lines accurate to profiles.

D. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
1. Space movement joints at maximum of 10 feet with no joints within24 inches of corners or intersections
2. use lapped expansion joints only where indicated on drawings.

E. Seal metal joints watertight.

3.04 CLEANING

A. Clean off excessive sealants

3.05 PROTECTION

A. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.

B. Remove and replace sheet metal flashing and trim that have been damaged beyond successful repair by finish touch up or similar minor repair procedures, as determined by the Architect.

END OF SECTION

SECTION 078400
FIRESTOPPING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Firestopping systems.

B. Firestopping of joints and penetrations in fire-resistance-rated and smoke-resistant assemblies, and other openings indicated.

1.02 REFERENCE STANDARDS

A. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2022.

B. ASTM E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems; 2013a (Reapproved 2017).

C. ITS (DIR) - Directory of Listed Products; Current Edition.

D. FM (AG) - FM Approval Guide; current edition.

E. UL 1479 - Standard for Fire Tests of Penetration Firestops; Current Edition, Including All Revisions.

F. UL (DIR) - Online Certifications Directory; Current Edition.

G. UL (FRD) - Fire Resistance Directory; Current Edition.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Schedule of Firestopping: List each type of penetration, fire rating of the penetrated assembly, and firestopping test or design number.

C. Product Data: Provide data on product characteristics, performance ratings, and limitations.

1.04 QUALITY ASSURANCE

A. Fire Testing: Provide firestopping assemblies of designs that provide the scheduled fire ratings when tested in accordance with methods indicated.
   1. Listing in UL (FRD), FM (AG), or ITS (DIR) will be considered as constituting an acceptable test report.

1.05 FIELD CONDITIONS

A. Comply with firestopping manufacturer's recommendations for temperature and conditions during and after installation; maintain minimum temperature before, during, and for three days after installation of materials.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Firestopping Manufacturers:
   1. 3M Fire Protection Products: www.3m.com/firestop.com
   2. A/D Fire Protection Systems Inc: www.adfire.com
   3. Hilti, Inc: www.hilti.com
   4. Substitutions: See Section 016000 - Product Requirements.

2.02 MATERIALS

A. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Provide type of materials as required for tested firestopping assembly.

B. Fire Ratings: Refer to drawings for required systems and ratings.

2.03 FIRESTOPPING ASSEMBLY REQUIREMENTS

A. Through Penetration Firestopping: Use system that has been tested according to ASTM E814 to have fire resistance F Rating equal to required fire rating of penetrated assembly.
   1. Listing by FM (AG), ITS (DIR), UL (DIR), or UL (FRD) in their certification directories will be considered evidence of successful testing.

2.04 FIRESTOPPING SYSTEMS

A. Firestopping: Any material meeting requirements.
   1. Fire Ratings: Use system that is listed by FM (AG), ITS (DIR), or UL (FRD) and tested in accordance with ASTM E814, ASTM E119, or UL 1479 with F Rating equal to fire rating of penetrated assembly and minimum T Rating Equal to F Rating and in compliance with other specified requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify openings are ready to receive the work of this section.

3.02 PREPARATION

A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other materials that could adversely affect bond of firestopping material.

B. Remove incompatible materials that could adversely affect bond.

3.03 INSTALLATION

A. Install materials in manner described in fire test report and in accordance with manufacturer's instructions, completely closing openings.

3.04 CLEANING

A. Clean adjacent surfaces of firestopping materials.

3.05 PROTECTION

A. Protect adjacent surfaces from damage by material installation.

END OF SECTION

SECTION 079200
JOINT SEALANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Nonsag gunnable joint sealants.

B. Self-leveling pourable joint sealants.

C. Joint backings and accessories.

1.02 REFERENCE STANDARDS

A. ASTM C661 - Standard Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer; 2015 (Reapproved 2022).

B. ASTM C794 - Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants; 2018 (Reapproved 2022).

C. ASTM C834 - Standard Specification for Latex Sealants; 2017.

D. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.

E. ASTM C1087 - Standard Test Method for Determining Compatibility of Liquid-Applied Sealants with Accessories Used in Structural Glazing Systems; 2016.

F. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.

G. ASTM C1248 - Standard Test Method for Staining of Porous Substrate by Joint Sealants; 2022.

H. ASTM D2240 - Standard Test Method for Rubber Property--Durometer Hardness; 2015 (Reapproved 2021).

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Submit manufacturer's technical datasheets for each product to be used; include the following:
   1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
   2. List of backing materials approved for use with the specific product.
   3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
   4. Substrates the product should not be used on.
   5. Substrates for which use of primer is required.

C. Color Cards for Selection: Where sealant color is not specified, submit manufacturer's color cards showing standard colors available for selection.

D. Preconstruction Laboratory Test Reports: Submit at least four weeks prior to start of installation.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing the work of this section and with at least three years of documented experience.

B. Preconstruction Laboratory Testing: Arrange for sealant manufacturer(s) to test each combination of sealant, substrate, backing, and accessories.
   1. Adhesion Testing: In accordance with ASTM C794.
   2. Compatibility Testing: In accordance with ASTM C1087.
   3. Allow sufficient time for testing to avoid delaying the work.
   4. Deliver sufficient samples to manufacturer for testing.
   5. Report manufacturer's recommended corrective measures, if any, including primers or techniques not indicated in product data submittals.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Nonsag Sealants:
   1. Dow: www.dow.com
   2. Master Builders Solutions: www.master-builders-solutions.com/en-us
   3. Pecora Corporation: www.pecora.com
   4. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com
   5. Substitutions: See Section 016000 - Product Requirements.

B. Self-Leveling Sealants:
   1. Dow: www.dow.com
   2. Master Builders Solutions: www.master-builders-solutions.com/en-us
   3. Pecora Corporation: www.pecora.com
   4. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com
   5. Substitutions: See Section 016000 - Product Requirements.

2.02 JOINT SEALANT APPLICATIONS

A. Scope:
   1. Exterior Joints: Seal open joints, whether or not the joint is indicated on drawings, unless specifically indicated not to be sealed. Exterior joints to be sealed include, but are not limited to:
      a. Wall expansion and control joints.
      b. Joints between door, window, and other frames and adjacent construction.
      c. Joints between different exposed materials.
      d. Openings below ledge angles in masonry.
      e. Other joints indicated below.
   2. Interior Joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
      a. Joints between door, window, and other frames and adjacent construction.
      b. Other joints indicated below.

B. Type P1 - Exterior Joints: Use nonsag polyurethane sealant, unless otherwise indicated.
   1. Type B1 - Lap Joints in Sheet Metal Fabrications: Butyl rubber, noncuring.
   2. Type P2 - Control and Expansion Joints in Concrete Paving: Self-leveling polyurethane traffic-grade sealant.

C. Type A1 - Interior Joints: Use nonsag acrylic emulsion latex sealant, unless otherwise indicated.
   1. Type S1 - Joints between Tile in Wet Areas and Floors, Walls, and Ceilings: Mildew-resistant silicone sealant; white.
   2. Type S2 - Joints between fixtures and floor and wall surfaces: nonstaining silicone sealant
   3. Type P3 - Sawn joints in exposed concrete floor slabs

2.03 NONSAG JOINT SEALANTS

A. Type S1 - Nonstaining Silicone Sealant: ASTM C920, Grade NS, Uses M and A; not expected to withstand continuous water immersion or traffic.
   1. Movement Capability: Plus and minus 25 percent, minimum.
   2. Nonstaining to Porous Stone: Nonstaining to light-colored natural stone when tested in accordance with ASTM C1248.
   3. Hardness Range: 15 to 35, Shore A, when tested in accordance with ASTM C661.
   4. Color: To be selected by Architect from manufacturer's standard range.
   5. Products:
      a. Pecora Corporation; Pecora 864 NST (Non-Staining Technology):
      b. Tremco Commercial Sealants & Waterproofing; Tremsil 200
      c. Substitutions: See Section 016000 - Product Requirements.

B. Type S2 - Mildew-Resistant Silicone Sealant: ASTM C920, Grade NS, Uses M and A; single component, mildew resistant; not expected to withstand continuous water immersion or traffic.
   1. Color: White.
   2. Products:
      a. Pecora Corporation; Pecora 898 NST (Non-Staining Technology): www.pecora.com/#sle.
      b. Substitutions: See Section 016000 - Product Requirements.

C. Type P1 - Polyurethane Sealant: ASTM C920, Grade NS, Uses M and A; single or multi-component; not expected to withstand continuous water immersion or traffic.
   1. Movement Capability: Plus 100 percent, minus 50 percent, minimum.
   2. Hardness Range: 35 to 45, Shore A, when tested in accordance with ASTM C661.
   3. Color: To be selected by Architect from manufacturer's standard range.
   4. Products:
      a. Master Builders Solutions; MasterSeal NP1
      b. Pecora Corporation; DynaFlex
      c. Tremco Commercial Sealants & Waterproofing; Dymonic 100
      d. Substitutions: See Section 016000 - Product Requirements.

D. Type A1 - Acrylic Emulsion Latex: Water-based; ASTM C834, single component, nonstaining, nonbleeding, nonsagging; not intended for exterior use.
   1. Color: To be selected by Architect from manufacturer's standard range.
   2. Products:
      a. Master Builders Solutions; MasterSeal NP 520
      b. Pecora Corporation; AC-20 +Silicone
      c. Tremco Commercial Sealants & Waterproofing; Tremflex 834
      d. Substitutions: See Section 016000 - Product Requirements.

E. Type B1 - Noncuring Butyl Sealant: Solvent-based, single component, nonsag, nonskinning, nonhardening, nonbleeding; nonvapor permeable; intended for fully concealed applications.
   1. Products:
      a. Pecora Corporation; Pecora BA-98 Non-Skinning Butyl Sealant
      b. Tremco Commercial Sealants & Waterproofing; Acoustical/Curtainwall Sealant
      c. Substitutions: See Section 016000 - Product Requirements.

2.04 SELF-LEVELING JOINT SEALANTS

A. Type P2 - Self-Leveling Polyurethane Sealant for Horizontal Expansion Joints: ASTM C920, Grade P, Uses T, M, and O; multicomponent; explicitly approved by manufacturer for horizontal expansion joints.
   1. Movement Capability: Plus and minus 25 percent, minimum.
   2. Hardness Range: 30 to 35, Shore A, when tested in accordance with ASTM C661.
   3. Color: Limestone.
   4. Products:
      a. Pecora Corporation; DynaTrol II-SG (Slope Grade)
      b. Tremco Commercial Sealants & Waterproofing; THC-901
      c. Substitutions: See Section 016000 - Product Requirements.

B. Type P3 - Semi-Rigid Self-Leveling Polyurea Joint Filler: Two-component, 100 percent solids; intended for filling cracks and control joints not subject to significant movement; rigid enough to support concrete edges under traffic.
   1. Durometer Hardness, Type A: 75, minimum, after seven days when tested in accordance with ASTM D2240.
   2. Color: To be selected by Architect from manufacturer's standard colors.
   3. Joint Width, Minimum: 1/8 inch.
   4. Joint Width, Maximum: 1/2 inch.

5. Joint Depth: Provide product suitable for joints from 1/8 inch to 1 inch in depth excluding space for backer rod.
6. Products:
    a. ARDEX Engineered Cements; ARDEX ARDISEAL RAPID PLUS: www.ardexamericas.com.
    b. Euclid Chemical Company; EUCO QWIKjoint UVR: www.euclidchemical.com.
    c. Mapei; Mapeiflex Joint Sealant PO 95/100: www.mapei.com.
    d. SpecChem, LLC; Rapid Flex CJ: www.specchemllc.com.
    e. Substitutions: See Section 016000 - Product Requirements.

2.05 ACCESSORIES

A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.
    1. Closed Cell and Bi-Cellular: 25 to 33 percent larger in diameter than joint width.

B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.

C. Masking Tape: Self-adhesive, nonabsorbent, nonstaining, removable without adhesive residue, and compatible with surfaces adjacent to joints and sealants.

D. Joint Cleaner: Noncorrosive and nonstaining type, type recommended by sealant manufacturer; compatible with joint forming materials.

E. Primers: Type recommended by sealant manufacturer to suit application; nonstaining.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that joints are ready to receive work.

B. Verify that backing materials are compatible with sealants.

C. Verify that backer rods are of the correct size.

3.02 PREPARATION

A. Remove loose materials and foreign matter that could impair adhesion of sealant.

B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.

C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.

D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.

B. Provide joint sealant installations complying with ASTM C1193.

C. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer.

D. Install bond breaker backing tape where backer rod cannot be used.

E. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.

F. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.

G. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

H. Concrete Floor Joint Filler: After full cure, shave joint filler flush with top of concrete slab.

END OF SECTION

SECTION 081113
HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Non-fire-rated hollow metal doors and frames.

B. Hollow metal frames for wood doors.

C. Thermally insulated hollow metal doors with frames.

1.02 ABBREVIATIONS AND ACRONYMS

A. ANSI: American National Standards Institute.

B. HMMA: Hollow Metal Manufacturers Association.

C. NAAMM: National Association of Architectural Metal Manufacturers.

D. NFPA: National Fire Protection Association.

E. SDI: Steel Door Institute.

F. UL: Underwriters Laboratories.

1.03 REFERENCE STANDARDS

A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors; 2022.

C. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100); 2017.

D. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 2020.

E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

F. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable; 2021a.

G. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2018a.

H. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2022.

I. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014 (Reapproved 2021).

J. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames; 2016.

K. FEMA P-361 - Safe Rooms for Tornadoes and Hurricanes: Guidance for Community and Residential Safe Rooms; 2021.

L. ICC 500 - ICC/NSSA Standard for the Design and Construction of Storm Shelters; 2020.

M. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

N. NAAMM HMMA 830 - Hardware Selection for Hollow Metal Doors and Frames; 2002.

O. NAAMM HMMA 831 - Hardware Locations for Hollow Metal Doors and Frames; 2011.

P. NAAMM HMMA 840 - Guide Specifications For Receipt, Storage and Installation of Hollow Metal Doors and Frames; 2017.

Q. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames; 2014.

R. SDI 117 - Manufacturing Tolerances for Standard Steel Doors and Frames; 2019.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.

C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years documented experience.

B. Maintain at project site copies of reference standards relating to installation of products specified.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.

B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Hollow Metal Doors and Frames:
1. Ceco Door, an Assa Abloy Group company: www.assaabloydss.com
2. Curries, an Assa Abloy Group company: www.assaabloydss.com
3. Fleming Door Products, an Assa Abloy Group company: www.assaabloydss.com
4. Substitutions: See Section 016000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

A. Requirements for Hollow Metal Doors and Frames:
1. Steel Sheet: Comply with one or more of the following requirements; galvannealed steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
2. Accessibility: Comply with ICC A117.1 and ADA Standards.
3. Exterior Door Top Closures: Flush end closure channel, with top and door faces aligned.
4. Typical Door Face Sheets: Flush.
5. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Manufacturer's standard.
6. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
7. Zinc Coating for Typical Interior and/or Exterior Locations: Provide metal components zinc-coated (galvanized) and/or zinc-iron alloy-coated (galvannealed) by the hot-dip process in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness, unless noted otherwise for specific hollow metal doors and frames.
    a. Based on SDI Standards: Provide at least A40/ZF120 (galvannealed) when necessary, coating not required for typical interior door applications, and at least A60/ZF180 (galvannealed) for corrosive locations.

B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.03 HOLLOW METAL DOORS

A. Door Finish: Factory primed and field finished.

B. Exterior Doors: Thermally insulated.
   1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
      a. Level 2 - Heavy-duty.
      b. Physical Performance Level B, 500,000 cycles; in accordance with ANSI/SDI A250.4.
      c. Model 2 - Seamless.
      d. Door Face Metal Thickness: 18 gauge, 0.042 inch, minimum.
      e. Zinc Coating: A60/ZF180 galvannealed coating; ASTM A653/A653M.
   2. Door Core Material: Polyurethane, 1.8 lbs/cu ft minimum density.
      a. Foam Plastic Insulation: Manufacturer's standard board insulation with maximum flame spread index (FSI) of 75, and maximum smoke developed index (SDI) of 450 in accordance with ASTM E84, and completely enclosed within interior of door.
   3. Door Thermal Resistance: R-Value of 8.7, minimum, for installed thickness of polyurethane.
   4. Door Thickness: 1-3/4 inches, nominal.
   5. Weatherstripping: Refer to Section 087100.

C. Tornado-Resistant Doors:
   1. Design and size door and frame components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M.
      a. Design Wind Loads: Comply with requirements of authorities having jurisdiction.
      b. Wind-Borne Debris Resistance: Door and frame components shall have UL (DIR) approval for Large and Small Missile impact and pressure cycling at design wind loads.
   2. Tornado Shelter Application: Comply with ICC 500 standard.
      a. Commercial: Designed and tested to comply with FEMA P-361 community shelter door assembly guidelines.
   3. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
      a. Level 4 - Maximum-duty.
      b. Physical Performance Level A, 1,000,000 cycles; in accordance with ANSI/SDI A250.4.
      c. Model 1 - Full Flush.
      d. Door Face Metal Thickness: 14 gauge, 0.067 inch, minimum.
   4. Door Core Material: Manufacturers standard core material/construction and in compliance with requirements.
   5. Door Thickness: 1-3/4 inches, nominal.
   6. Fire Rating: As indicated on Door Schedule, tested in accordance with UL 10C and NFPA 252 ("positive pressure fire tests")
   7. Proivide units listed and labeled by UL (DIR) or ITS (DIR)
   8. Attach fire rating label to each fire rated unit.

2.04 HOLLOW METAL FRAMES

A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.

B. Frame Finish: Factory primed and field finished.

C. Exterior Door Frames: Full profile/continuously welded type.

1. Galvanizing: Components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with A40/ZF120 coating.
2. Frame Metal Thickness: 18 gauge, 0.042 inch, minimum.
3. Weatherstripping: Separate, see Section 087100.

D. Interior Door Frames, Non-Fire Rated: Full profile/continuously welded type.
1. Frame Metal Thickness: 18 gauge, 0.042 inch, minimum.

E. Tornado-Resistant Door Frames: With same tornado resistance as door; full profile/continuously welded construction, ground smooth, fully prepared and reinforced for hardware installation.
1. Frame Metal Thickness: 14 gauge, 0.067 inch, minimum.

F. Frames for Wood Doors: Comply with frame requirements in accordance with corresponding door.

G. Provide mortar guard boxes for hardware cut-outs in frames to be installed in masonry or to be grouted.

H. Frames Wider than 48 inches: Reinforce with steel channel fitted tightly into frame head, flush with top.

2.05 FINISHES

A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.

2.06 ACCESSORIES

A. Door Window Frames: Door window frames with glazing securely fastened within door opening.
1. Size: As indicated on drawings.
2. Frame Material: 18 gauge, 0.0478 inch, galvanized steel.

B. Glazing: As specified in Section 088000, factory installed.

C. Removable Stops: Formed sheet steel, shape as indicated on drawings, mitered or butted corners; prepared for countersink style tamper proof screws.

D. Mechanical Fasteners for Concealed Metal-to-Metal Connections: Self-drilling, self-tapping, steel with electroplated zinc finish.

E. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that opening sizes and tolerances are acceptable.

C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 INSTALLATION

A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.

B. Coordinate frame anchor placement with wall construction.

C. Install door hardware as specified in Section 087100.

D. Comply with glazing installation requirements of Section 088000.

E. Coordinate installation of electrical connections to electrical hardware items.

3.03 TOLERANCES

A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.

B. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

3.04 ADJUSTING

A. Adjust for smooth and balanced door movement.

3.05 SCHEDULE

A. Refer to Door and Frame Schedule on the drawings.

END OF SECTION

SECTION 081416
FLUSH WOOD DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Flush wood doors; flush and flush glazed configuration; fire-rated and non-rated.

1.02 RELATED REQUIREMENTS

A. Section 081113 - Hollow Metal Doors and Frames.

B. Section 087100 - Door Hardware.

C. Section 088000 - Glazing.

D. Section 099300 - Staining and Transparent Finishing: Field finishing of doors.

1.03 REFERENCE STANDARDS

A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.

B. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.

C. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).

D. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

E. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2022.

F. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.

C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.

D. Samples: Submit two samples of door veneer, 6 by 6 inches in size illustrating wood grain, stain color, and sheen.

1.05 QUALITY ASSURANCE

1.06 DELIVERY, STORAGE, AND HANDLING

A. Package, deliver and store doors in accordance with specified quality standard.

B. Accept doors on site in manufacturer's packaging, and inspect for damage.

C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges with tinted sealer if stored more than one week, and break seal on site to permit ventilation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Wood Veneer Faced Doors:
   1. Masonite Architectural: www.architectural.masonite.com
   2. VT Industries, Inc: www.vtindustries.com
   3. Substitutions: See Section 016000 - Product Requirements.

2.02 DOORS

A. Doors: See drawings for locations and additional requirements.

1. Quality Standard: Premium Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
2. Wood Veneer Faced Doors: 5-ply unless otherwise indicated.

B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
1. Provide solid core doors at each location.
2. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with UL 10C - Positive Pressure; Underwriters Laboratories Inc (UL) or Intertek/Warnock Hersey (WHI) labeled without any visible seals when door is open.
3. Wood veneer facing for field transparent finish.

2.03 DOOR AND PANEL CORES

A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.

B. Fire-Rated Doors: Mineral core type, with fire resistant composite core (FD), plies and faces as indicated above; with core blocking as required to provide adequate anchorage of hardware without through-bolting.

2.04 DOOR FACINGS

A. Veneer Facing for Transparent Finish: Red oak, veneer grade in accordance with quality standard indicated, quarter cut, with book match between leaves of veneer, running match of spliced veneer leaves assembled on door or panel face.
1. Vertical Edges: Same species as face veneer.
2. "Pair Match" each pair of doors; "Set Match" pairs of doors within 10 feet of each other when doors are closed.

B. Facing Adhesive: Type I - waterproof.

2.05 DOOR CONSTRUCTION

A. Fabricate doors in accordance with door quality standard specified.

B. Cores Constructed with stiles and rails:

C. Glazed Openings: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings.

D. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.

E. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.
1. Exception: Doors to be field finished.

F. Provide edge clearances in accordance with the quality standard specified.

2.06 FINISHES - WOOD VENEER DOORS - FACTORY APPLIED

A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
1. Transparent:
a. System - 1, Lacquer, Nitrocellulose.
b. Stain: As selected by Architect.
c. Sheen: Flat.

2.07 ACCESSORIES

A. Hollow Metal Door Frames: See Section 081113.

B. Glazed Openings:
1. Heat-Strengthened and Fully Tempered Glass: ASTM C1048.
2. Fire-Protection-Rated Glass: Safety Certification, 16 CFR 1201, Category II.

C. Door Window Frames: Door window frames with glazing securely fastened within door opening.

D. Glazing Stops: Rolled steel channel shape, butted corners; prepared for countersink style tamper proof screws.

E. Door Hardware: See Section 087100.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that opening sizes and tolerances are acceptable.

C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.02 INSTALLATION

A. Install doors in accordance with manufacturer's instructions and specified quality standard.
   1. Install fire-rated doors in accordance with NFPA 80 requirements.

B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.

C. Use machine tools to cut or drill for hardware.

D. Coordinate installation of doors with installation of frames and hardware.

E. Coordinate installation of glazing.

F. Install door louvers plumb and level.

3.03 TOLERANCES

A. Comply with specified quality standard for fit and clearance tolerances.

B. Comply with specified quality standard for telegraphing, warp, and squareness.

3.04 ADJUSTING

A. Adjust doors for smooth and balanced door movement.

B. Adjust closers for full closure.

3.05 SCHEDULE

A. See Door and Frame Schedule appended to Drawings.

END OF SECTION

SECTION 083100
ACCESS DOORS AND PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Wall-mounted access units.

1.02 REFERENCE STANDARDS

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.

PART 2 PRODUCTS

2.01 ACCESS DOORS AND PANELS ASSEMBLIES

A. Wall-Mounted Units:
   1. Location: As indicated on drawings.
   2. Panel Material: Steel.
   3. Size: As indicated
   4. Door/Panel: Hinged, standard duty, with tool-operated spring or cam lock and no handle.
   5. Wall Mounting Criteria: Provide surface-mounted face frame and door surface flush with frame surface.

2.02 WALL- AND CEILING-MOUNTED ACCESS UNITS

A. Manufacturers:
   1. Activar Construction Products Group, Inc. - JL Industries: www.activarcpg.com.
   2. ACUDOR Products Inc: www.acudor.com.
   3. Babcock-Davis: www.babcockdavis.com.
   4. Substitutions: See Section 016000 - Product Requirements.

B. Wall- and Ceiling-Mounted Units: Factory-fabricated door and frame, fully assembled units with corner joints welded, filled and ground flush; square and without rack or warp; coordinate requirements with type of installation assembly being used for each unit.
   1. Door Style: Single thickness with rolled or turned in edges.
   2. Frames: 16-gauge, 0.0598-inch minimum thickness.
   3. Single Steel Sheet Door Panels: 16-gauge, 0,0625-inch minimum thickness.
   4. Steel Finish: Primed.
   5. Hardware:
      a. Hinges for Non-Fire-Rated Units: Concealed, constant force closure spring type.
      b. Latch/Lock: Screw driver slot for quarter turn cam latch.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that rough openings are correctly sized and located.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to proceeding with this work.

B. Prepare surfaces using methods recommended by manufacturer for applicable substrates in accordance with project conditions.

3.03 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Install frames plumb and level in openings, and secure units rigidly in place.

C. Position units to provide convenient access to concealed equipment when necessary.

END OF SECTION

SECTION 083313
COILING COUNTER DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Non-fire-rated coiling counter doors and operating hardware.

1.02 RELATED REQUIREMENTS

A. Section 061000 - Rough Carpentry: Rough openings.

1.03 REFERENCE STANDARDS

A. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Submit manufacturer's standard literature showing materials and details of construction and finish. Include data on electrical operation.

C. Shop Drawings: Indicate rough and actual opening dimensions, anchorage methods, hardware locations, and installation details.

D. Samples: Two slats, 4 inches long, illustrating shape, color, and finish texture.

E. Manufacturer's Installation Instructions: Indicate installation sequence and installation, adjustment, and alignment procedures.

F. Manufacturer's qualification statement.

G. Operation and Maintenance Data: Indicate modes of operation, lubrication requirements and frequency, and periodic adjustments required.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum five years of documented experience.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Coiling Counter Doors:
   1. Cornell Iron is used as reference standard.
   2. Substitutions: See Section 016000 - Product Requirements.

2.02 COILING COUNTER DOORS

A. Coiling Counter Metal Doors, Non-Fire-Rated: Aluminum slat curtain.
   1. Mounting: Interior face mounted.
   2. Nominal Slat Size: 1-1/4 inches wide.
   3. Slat Profile: Flat.
   4. Finish, Aluminum: Anodized.
   5. Guides: Formed track; same material and finish unless otherwise indicated.

2.03 COMPONENTS

A. Metal Curtain Construction: Interlocking, single-thickness slats.
   1. Slat Ends: Alternate slats fitted with end locks to act as wearing surface in guides and to prevent lateral movement.
   2. Curtain Bottom: Fitted with angles to provide reinforcement and positive contact in closed position.
   3. Aluminum Slats: ASTM B221 (ASTM B221M), aluminum alloy Type 6063; minimum thickness 0.05 inch.

B. Guide Construction: Continuous, of profile to retain door in place, with mounting brackets of same metal.
   1. Aluminum Guides: Extruded aluminum channel, with wool pile runners along inside.

C. Lock Hardware:
   1. Latching Mechanism: Inside mounted, adjustable keeper, spring activated latch bar feature to keep in locked or retracted position.
   2. Latch Handle: Manufacturer's standard.

D. Roller Shaft Counterbalance: Steel pipe and torsion steel spring system, capable of producing torque sufficient to ensure smooth operation of curtain from any position and capable of holding position at mid-travel; with adjustable spring tension; requiring 25 lb nominal force to operate.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that adjacent construction is suitable for door installation.

B. Verify that door opening is plumb, header is level, and dimensions are correct.

C. Notify Architect of any unacceptable conditions or varying dimensions.

D. Commencement of installation indicates acceptance of substrate and door opening conditions.

3.02 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

3.03 TOLERANCES

A. Maintain dimensional tolerances and alignment with adjacent work.

B. Maximum Variation From Plumb: 1/16 inch.

C. Maximum Variation From Level: 1/16 inch.

D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 ft straight edge.

3.04 ADJUSTING

A. Adjust operating assemblies for smooth and noiseless operation.

3.05 CLEANING

A. Clean installed components.

B. Remove labels and visible markings.

END OF SECTION

SECTION 083323
OVERHEAD COILING DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Interior non-fire-rated coiling doors.

B. Electric operators and control stations.

C. Wiring from electric circuit disconnect to operators and control stations.

1.02 RELATED REQUIREMENTS

A. Section 087100 - Door Hardware: Cylinder cores and keys.

B. Section 260583 - Wiring Connections: Power to disconnect.

1.03 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

D. ITS (DIR) - Directory of Listed Products; Current Edition.

E. NEMA EN 10250 - Enclosures for Electrical Equipment (1000 Volts Maximum); 2024.

F. NEMA ICS 2 - Industrial Control and Systems Controllers, Contactors and Overload Relays Rated 600 Volts; 2008 (Reaffirmed 2020).

G. NEMA MG 00001 - Motors and Generators; 2024.

H. UL (DIR) - Online Certifications Directory; Current Edition.

I. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems; Current Edition, Including All Revisions.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide general construction, electrical equipment, component connections and details, and _____.

C. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.

D. Samples: Two slats, ___ by ___ inches in size illustrating shape, color and finish texture.

E. Manufacturer's qualification statement.

F. Maintenance Data: Indicate lubrication requirements and frequency, periodic adjustments required, and _____.

1.05 QUALITY ASSURANCE

A. Products Requiring Electrical Connection: Listed and classified by ITS (DIR), UL (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for purpose specified and indicated.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Overhead Coiling Metal Doors:
   1. Cornel/Cooksen Rolling doors is used as reference standard.

2.02 COILING DOORS

A. Interior Non-Fire-Rated Coiling Doors Type galvanized steel: Steel slat curtain.
   1. Single Thickness Slats: Manufacturer's standard.
   2. Nominal Slat Size: 2 inches wide by required length.
   3. Finish: Primed.
   4. Finish: Factory painted, Ultra powder coat finish with color selected from RAL color chart for garage doors color.
   5. Guides, Angles: Galvanized steel.
   6. Guides, Formed Sheet Metal: Galvanized steel.
   7. Hood Enclosure: finish to match slats; primed steel.
   8. Electric operation.
   9. Mounting: Within framed opening.
   10. Locking Devices: Lock and latch handle on outside.

2.03 MATERIALS

A. Metal Curtain Construction: Interlocking slats.
   1. Curtain Bottom for Slat Curtains: Fitted with angles to provide reinforcement and positive contact in closed position.
   2. Weatherstripping for Exterior Doors: Moisture and rot proof, resilient type, located at jamb edges, bottom of curtain, and where curtain enters hood enclosure of exterior doors.
   3. Steel Slats: Minimum thickness, 20 gauge, ___ inch; ASTM A653/A653M galvanized steel sheet.
      a. Galvanizing: Minimum G90 coating.

B. Guide Construction: Continuous, of profile to retain door in place with snap-on trim, mounting brackets of same metal.

C. Guides - Angle: ASTM A36/A36M metal angles, size as indicated.
   1. Hot-dip galvanized in compliance with ASTM A123/A123M.

D. Guides - Sheet Metal: Formed from sheet metal, ___ gauge, ___ inch thick; ___ inch wide.
   1. Hot-Dip Galvanizing: Minimum G90 coating, in compliance with ASTM A653/A653M.

E. Hood Enclosure and Trim: Internally reinforced to maintain rigidity and shape.
   1. Prime painted.

F. Lock Hardware:
   1. For motor operated units, additional lock or latching mechanisms are not required.
   2. Latch Handle: Manufacturer's standard.

2.04 ELECTRIC OPERATION

A. Operator, Controls, Actuators, and Safeties: Comply with UL 325; provide products listed by ITS (DIR), UL (DIR), or testing agency acceptable to authorities having jurisdiction.
   1. Provide interlock switches on motor operated units.

B. Electric Operators:
   1. Mounting: Side mounted.
   2. Motor Enclosure:
      a. Interior Coiling Doors: NEMA MG 00001, Type 1; open drip proof.
   3. Motor Rating: 1/3 HP; continuous duty.
   4. Motor Voltage: 120 volts, single phase, 60 Hz.
   5. Motor Controller: NEMA ICS 2, full voltage, reversing magnetic motor starter.
   6. Controller Enclosure: NEMA EN 10250, Type 4.
   7. Opening Speed: 12 inches per second.
   8. Brake: Manufacturer's standard type, activated by motor controller.
   9. Manual override in case of power failure.
   10. See Section 260583 for electrical connections.

C. Control Station: Provide standard three button, 'Open-Close-Stop' momentary-contact control device for each operator complying with UL 325.

1. 24 volt circuit.
2. Surface mounted, at interior door jamb.
3. Entrapment Protection Devices: Provide sensing devices and safety mechanisms complying with UL 325.
    a. Primary Device: Provide electric sensing edge, wireless sensing, NEMA 1 photo eye sensors, or NEMA 4X photo eye sensors as required with momentary-contact control device.

D. Safety Edge: Located at bottom of coiling door, full width, electro-mechanical sensitized type, wired to stop and reverse door direction upon striking object, hollow neoprene covered.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

E. Coordinate installation of electrical service with Section 260583.

F. Complete wiring from disconnect to unit components.

G. Install enclosure and perimeter trim.

3.02 TOLERANCES

A. Maintain dimensional tolerances and alignment with adjacent work.

B. Maximum Variation From Plumb: 1/16 inch.

C. Maximum Variation From Level: 1/16 inch.

D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 feet straight edge.

3.03 ADJUSTING

A. Adjust operating assemblies for smooth and noiseless operation.

3.04 CLEANING

A. Clean installed components.

B. Remove labels and visible markings.

END OF SECTION

SECTION 084313
ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Aluminum-framed storefront, with vision glass.

1.02 RELATED REQUIREMENTS

A. Section 088000 - Glazing: Glass and glazing accessories.

1.03 REFERENCE STANDARDS

A. AAMA CW-10 - Care and Handling of Architectural Aluminum from Shop to Site; 2015.

B. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2020.

C. AAMA 1503 - Voluntary Test Method for Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections; 2009.

D. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

E. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.

F. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

G. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.

H. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

I. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

J. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.

K. ASTM E330/E330M - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference; 2014 (Reapproved 2021).

L. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2016).

M. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic); 2019.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate with installation of other components that comprise the exterior enclosure.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, and internal drainage details.

C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.

D. Hardware Schedule: Complete itemization of each item of hardware to be provided for each door, cross-referenced to door identification numbers in Contract Documents.

1.06 QUALITY ASSURANCE

A. Designer Qualifications: Design structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State in which the Project is located.

B. Manufacturer Qualifications: Company specializing in performing work of type specified and with at least five years of documented experience.

C. Installer Qualifications: Company specializing in performing work of type specified and with at least five years of documented experience.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Handle products of this section in accordance with AAMA CW-10.

B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.08 FIELD CONDITIONS

A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Aluminum-Framed Storefronts:
1. Kawneer North America: www.kawneer.com
2. Manko Window Systems, Inc: www.mankowindows.com
3. Oldcastle BuildingEnvelope: www.oldcastlebe.com
4. YKK AP America, Inc: www.ykkap.com/commercial
5. Substitutions: See Section 016000 - Product Requirements.

2.02 BASIS OF DESIGN -- FRAMING FOR INSULATING GLAZING

A. Center-Set Style, Thermally-Broken:
1. Basis of Design: Kawneer;Systens 451T & 601T.
2. Vertical Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
3. Vertical Mullion Dimensions: 2 inches wide by 6 inches deep.

2.03 BASIS OF DESIGN -- FRAMING FOR MONOLITHIC GLAZING

A. Center-Set Style:
1. Basis of Design: Kawneer; Model 450.
2. Vertical Mullion Dimensions: 1-3/4 inches wide by 4-1/2 inches deep.

2.04 BASIS OF DESIGN -- SWINGING DOORS

A. Wide Stile, Monolithic Glazing:
1. Basis of Design: Kawneer Company, Inc.; 500 Wide Style Standard Entrance with a 10 inch bottom rail.
2. Thickness: 1-3/4 inches.

B. Wide Stile, Insulating Glazing, Not Thermally-Broken:
1. Basis of Design: Kawneer Company, Inc.; 500 Wide Style Standard Entrance with a 10 inch bottom rail.
2. Thickness: 1-3/4 inches.

2.05 ALUMINUM-FRAMED STOREFRONT

A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
1. Finish: Superior performing organic coatings.
a. Factory finish all surfaces that will be exposed in completed assemblies.
2. Finish Color: As selected by Architect from manufacturer's standard line.

3. Fabrication: Joints and corners flush, hairline, and weatherproof, accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
4. Construction: Eliminate noises caused by wind and thermal movement, prevent vibration harmonics, and prevent "stack effect" in internal spaces.
5. System Internal Drainage: Drain to the exterior by means of a weep drainage network any water entering joints, condensation occurring in glazing channel, and migrating moisture occurring within system.
6. Expansion/Contraction: Provide for expansion and contraction within system components caused by cycling temperature range of 170 degrees F over a 12 hour period without causing detrimental effect to system components, anchorages, and other building elements.
7. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
8. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.

B. Performance Requirements
1. Wind Loads: Design and size components to withstand the specified load requirements without damage or permanent set, when tested in accordance with ASTM E330/E330M, using loads 1.5 times the design wind loads and 10 second duration of maximum load.
   a. Design Wind Loads: Comply with requirements of ASCE 7.
   b. Member Deflection: Limit member deflection to flexure limit of glass in any direction, with full recovery of glazing materials.
2. Water Penetration Resistance on Manufactured Assembly: No uncontrolled water on interior face, when tested in accordance with ASTM E331 at pressure differential of 8 psf.
3. Air Leakage:0.06 cfm/sq ft maximum leakage of storefront wall area when tested in accordance with ASTM E283/E283M at 6.27 psf pressure difference.
4. Condensation Resistance Factor of Framing: 50, minimum, measured in accordance with AAMA 1503.
5. Overall U-value Including Glazing: 0.41 Btu/(hr sq ft deg F), maximum.

2.06 COMPONENTS

A. Aluminum Framing Members: Tubular aluminum sections, thermally broken with interior section insulated from exterior, drainage holes and internal weep drainage system.
1. Framing members for interior applications need not be thermally broken.
2. Glazing Stops: Flush.
3. Structurally Reinforced Members: Extruded aluminum with internal reinforcement of structural steel member.

B. Glazing: See Section 088000.

C. Swing Doors: Glazed aluminum.
1. Thickness: 1-3/4 inches.
2. Top Rail: 5 inches wide.
3. Vertical Stiles: 5 inches wide.
4. Bottom Rail: 10 inches wide.
5. Glazing Stops: Square.
6. Finish: Same as storefront.

2.07 MATERIALS

A. Extruded Aluminum: ASTM B221 (ASTM B221M).

B. Sheet Aluminum: ASTM B209/B209M.

C. Structural Steel Sections: ASTM A36/A36M; galvanized in accordance with requirements of ASTM A123/A123M.

D. Fasteners: Stainless steel.

E. Sill Flashing Sealant: Elastomeric, silicone or polyurethane, compatible with flashing material.

F. Sealant for Setting Thresholds: Non-curing butyl type.

G. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.

H. Touch-Up Primer for Galvanized Steel Surfaces: SSPC-Paint 20, zinc rich.

2.08 FINISHES

A. Class I Color Anodized Finish: AAMA 611 AA-M12C22A42 Integrally colored anodic coating not less than 0.7 mils thick.

2.09 HARDWARE

A. For each door, include weatherstripping, sill sweep strip, and threshold.

B. Weatherstripping: Wool pile, continuous and replaceable; provide on all doors.

C. Sill Sweep Strips: Resilient seal type, retracting, of neoprene; provide on all doors.

D. Threshold: Extruded aluminum, one piece per door opening, ribbed surface; provide on all doors.

E. Pivots: Offset type; top, intermediate, and bottom.

F. Push/Pull Set: Standard configuration push/pull handles.

G. Exit Devices: Panic type.

H. Door Closers: Exposed overhead.
   1. Provide on all doors.

I. Locks: See Section 087100 .

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify dimensions, tolerances, and method of attachment with other work.

B. Verify that storefront wall openings and adjoining water-resistive and/or air barrier seal materials are ready to receive work of this section.

3.02 INSTALLATION

A. Install wall system in accordance with manufacturer's instructions.

B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.

C. Provide alignment attachments and shims to permanently fasten system to building structure.

D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.

E. Provide thermal isolation where components penetrate or disrupt building insulation.

F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.

G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.

H. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.

I. Set thresholds in bed of sealant and secure.

J. Install hardware using templates provided.

K. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.03 TOLERANCES

A. Maximum Variation from Plumb: 0.06 inch per 3 feet non-cumulative or 0.06 inch per 10 feet, whichever is less.

B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

3.04 ADJUSTING

A. Adjust operating hardware and sash for smooth operation.

3.05 CLEANING

A. Remove protective material from pre-finished aluminum surfaces.

B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.

3.06 PROTECTION

A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

SECTION 087100
DOOR HARDWARE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Hardware for wood, aluminum, and hollow metal doors.

B. Hardware for fire-rated doors.

C. Lock cylinders for doors that hardware is specified in other sections.

D. Thresholds.

E. Weatherstripping and gasketing.

1.02 REFERENCE STANDARDS

A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

B. BHMA A156.28 - Standard for Recommended Practices for Mechanical Keying Systems; 2018.

C. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames; 2016.

D. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames; 2006.

E. DHI (KSN) - Keying Systems and Nomenclature; 2019.

F. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

G. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2022.

H. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

I. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; 2022.

J. UL (DIR) - Online Certifications Directory; Current Edition.

K. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.

B. Keying Requirements Meeting:
   1. Attendance Required:
   2. Agenda:
   3. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
   4. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.
   5. Deliver established keying requirements to manufacturers.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.

C. Keying Schedule:
   1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.

B. Provide individual items of single type, of same model, and by same manufacturer.

C. Provide door hardware products that comply with the following requirements:
   1. Applicable provisions of federal, state, and local codes.
   2. Accessibility: ADA Standards and ICC A117.1.
   3. Applicable provisions of NFPA 101.
   4. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
   5. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
   6. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
   7. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.

D. Fasteners:
   1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
      a. Aluminum fasteners are not permitted.
      b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
   2. Fire-Rated Applications: Comply with NFPA 80.
      a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
      b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

2.02 KEY CONTROL SYSTEMS

A. Key Control Systems: Comply with guidelines of BHMA A156.28.
   1. Provide keying information in compliance with DHI (KSN) standards.
   2. Keying: Grand master keyed.
   3. Supply keys in following quantities:
      a. 4 each Master keys.
      b. 1 each Grand Master keys.
      c. 15 each Construction keys.
      d. 2 each Extra Cylinder cores.
      e. 2 each Change keys for each keyed core.

2.03 FIRE DEPARTMENT LOCK BOX

A. Manufacturers:
   1. Knox Company; Knox-Box Rapid Entry System: www.knoxbox.com

B. Fire Department Lock Box:
   1. Heavy-duty, surface mounted, solid stainless-steel box with hinged door and interior gasket seal; single drill resistant lock with dust covers and tamper alarm.
   2. Capacity: Holds 10 keys.
   3. Finish: Manufacturer's standard dark bronze.

2.04 FINISHES

A. Finishes: Identified in Door Hardware Schedule.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.

B. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

A. Install hardware in accordance with manufacturer's instructions and applicable codes.

B. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.

C. Use templates provided by hardware item manufacturer.

D. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.

E. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

3.03 ADJUSTING

A. Adjust work under provisions of Section 017000 - Execution and Closeout Requirements.

B. Adjust hardware for smooth operation.

C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.04 CLEANING

A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.

B. Clean adjacent surfaces soiled by hardware installation.

3.05 PROTECTION

A. Protect finished Work under provisions of Section 017000 - Execution and Closeout Requirements.

B. Do not permit adjacent work to damage hardware or finish.

3.06 SCHEDULE

A. Refer to the attached Door Hardware Schedule

END OF SECTION

SECTION 088000
GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Insulating glass units.

B. Glazing units.

C. Glazing compounds.

1.02 RELATED REQUIREMENTS

A. Section 072700 - Air Barriers.

1.03 REFERENCE STANDARDS

A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; Current Edition.

B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015 (Reaffirmed 2020).

C. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.

D. ASTM C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers; 2005 (Reapproved 2019).

E. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.

F. ASTM C1036 - Standard Specification for Flat Glass; 2021.

G. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2018.

H. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass; 2019.

I. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.

J. ASTM C1376 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass; 2021a.

K. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2016.

L. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation; 2019.

M. GANA (GM) - GANA Glazing Manual; 2022.

N. GANA (SM) - GANA Sealant Manual; 2008.

O. GANA (LGRM) - Laminated Glazing Reference Manual; 2019.

P. IGMA TM-3000 - North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use; 1990 (Reaffirmed 2016).

Q. NFRC 100 - Procedure for Determining Fenestration Product U-factors; 2020.

R. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence; 2020.

S. NFRC 300 - Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems; 2023.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data on Insulating Glass Unit and Glazing Unit Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.

C. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.

D. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

A. Perform Work in accordance with GANA (GM), GANA (SM), GANA (LGRM), and IGMA TM-3000 for glazing installation methods.

B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

1.06 FIELD CONDITIONS

A. Do not install glazing when ambient temperature is less than 40 degrees F.

B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.07 WARRANTY

A. See Section 017800 - Closeout Submittals for additional warranty requirements.

B. Insulating Glass Units: Provide a five (5) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including providing products to replace failed units.

C. Laminated Glass: Provide a five (5) year manufacturer warranty to include coverage for delamination, including providing products to replace failed units.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Glass Fabricators:
   1. Trulite Glass & Aluminum Solutions, LLC: www.trulite.com
   2. Viracon, Inc: www.viracon.com
   3. Substitutions: See Section 016000 - Product Requirements.

B. Float Glass Manufacturers:
   1. Cardinal Glass Industries: www.cardinalcorp.com
   2. Guardian Glass, LLC: www.guardianglass.com
   3. Pilkington North America Inc: www.pilkington.com/na
   4. Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com
   5. Substitutions: See Section 016000 - Product Requirements.

C. Laminated Glass Manufacturers:
   1. Cardinal Glass Industries: www.cardinalcorp.com
   2. Viracon, Architectural Glass segment of Apogee Enterprises, Inc: www.viracon.com

2.02 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
   1. Design Pressure: Calculated in accordance with ASCE 7.
   2. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
   3. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
   4. Glass thicknesses listed are minimum.

B. Weather-Resistive Barrier Seals: Provide completed assemblies that maintain continuity of building enclosure water-resistive barrier, vapor retarder, and/or air barrier.

1. In conjunction with weather barrier related materials described in other sections, as follows:
    a. Air Barriers: See Section 072700.

C. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
3. Solar Optical Properties: Comply with NFRC 300 test method.

2.03 GLASS MATERIALS

A. Float Glass: Provide float glass based glazing unless otherwise indicated.
1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
2. Kind HS - Heat-Strengthened Type: Complies with ASTM C1048.
3. Kind FT - Fully Tempered Type: Complies with ASTM C1048.
4. Fully Tempered Safety Glass: Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
5. Tinted Type: ASTM C1036, Class 2 - Tinted, Quality - Q3, with color and performance characteristics as indicated.

B. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
1. Laminated Safety Glass: Complies with ANSI Z97.1 - Class B or 16 CFR 1201 - Category I impact test requirements.

2.04 INSULATING GLASS UNITS

A. Manufacturers:
1. Glass: Any of the manufacturers specified for float glass.

B. Insulating Glass Units: Types as indicated.
1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
2. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
3. Metal-Edge Spacers: Aluminum, bent and soldered corners.
4. Spacer Color: Black.
5. Edge Seal:
    a. Color: Black.
6. Purge interpane space with dry air, hermetically sealed.

C. Insulating Glass Units: Vision glass, double glazed.
1. Applications: Exterior glazing unless otherwise indicated.
2. Space between lites filled with air.
3. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
    a. Tint: Gray.
    b. Coating: Low-E (passive type), on #2 surface.
4. Metal edge spacer.
5. Inboard Lite: Annealed float glass, 1/4 inch thick, minimum.
    a. Tint: Clear.
6. Total Thickness: 1 inch.
7. Total Thickness at doors: 5/8 inch
8. Thermal Transmittance (U-Value): 0.29, nominal.
9. Visible Light Transmittance (VLT): 35 percent, nominal.
10. Solar Heat Gain Coefficient (SHGC): 0.25, nominal.
11. Glazing Method: Dry glazing method, gasket glazing.

D. Insulating Glass Units: Safety glazing.
   1. Applications:
      a. Glazed lites in exterior doors.
      b. Glazed sidelights and panels next to doors.
      c. Other locations required by applicable federal, state, and local codes and regulations.
      d. Other locations indicated on drawings.
      e. Storefront systems at entries .
   2. Space between lites filled with air.
   3. Glass Type: Same as other vision glazing except use fully tempered float glass for both outboard and inboard lites.

2.05 GLAZING UNITS

A. Monolithic Interior Vision Glazing:
   1. Applications: Interior glazing unless otherwise indicated.
   2. Glass Type: Annealed float glass.
   3. Tint: Clear.
   4. Thickness: 1/4 inch, nominal.

B. Monolithic Safety Glazing: Non-fire-rated.
   1. Applications:
      a. Glazed lites in doors, except fire doors.
      b. Glazed sidelights to doors, except in fire-rated walls and partitions.
      c. Other locations required by applicable federal, state, and local codes and regulations.
      d. Other locations indicated on drawings.
   2. Glass Type: Fully tempered safety glass as specified.
   3. Tint: Clear.
   4. Thickness: 1/4 inch, nominal.

2.06 LAMINATED GLASS INTERLAYERS

A. Polyvinyl Butyral (PVB) Interlayer for Laminated Glazing:
   1. Functionality: Post-breakage safety and security.
   2. Applications:
      a. Single pane, laminated glass unit.
   3. Color: Clear.
   4. Thickness: As required for indicated performance of laminated glass application.
   5. Manufacturers:
      a. Eastman Chemical Company; Saflex Clear PVB Interlayer: www.saflex.com/#sle.
      b. Sekisui S-LEC America, LLC; S-LEC Clear Film: www.s-lec.us/#sle.

2.07 GLAZING COMPOUNDS

A. Type GC-2 - Butyl Sealant: Single component; ASTM C920 Grade NS, Class 12-1/2, Uses M and A, Shore A hardness of 10 to 20; black color.

B. Type GC-5 - Silicone Sealant: Single component; neutral curing; capable of water immersion without loss of properties; nonbleeding, nonstaining; ASTM C920 Type S, Grade NS, Class 25, Uses M, A, and G; with cured Shore A hardness range of 15 to 25; color as selected.

C. Manufacturers:
   1. Bostik Inc: www.bostik-us.com
   2. Dow Corning Corporation: www.dowcorning.com/construction
   3. Master Builders Solutions: www.master-builders-solutions.com/en-us
   4. Momentive Performance Materials, Inc: www.momentive.com
   5. Pecora Corporation: www.pecora.com
   6. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com
   7. Substitutions: See Section 016000 - Product Requirements.

2.08 ACCESSORIES

A. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.

B. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness; ASTM C864 Option II. Continuous by one half the height of the glazing stop by thickness to suit application, self adhesive on one face.

C. Glazing Tape, Back Bedding Mastic Type: Preformed, butyl-based, 100 percent solids compound with integral resilient spacer rod applicable to application indicated; 5 to 30 cured Shore A durometer hardness; coiled on release paper; black color.

D. Glazing Gaskets: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.

E. Glazing Clips: Manufacturer's standard type.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.

B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

3.02 PREPARATION

A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.

B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.

C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

3.03 INSTALLATION, GENERAL

A. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.

B. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.

C. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

A. Application - Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.

B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.

C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.

D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.05 INSTALLATION - WET/DRY GLAZING METHOD (PREFORMED TAPE AND SEALANT)

A. Application - Exterior Glazed: Set glazing infills from the exterior of the building.

B. Cut glazing tape to length and set against permanent stops, 3/16 inch below sight line. Seal corners by butting tape and dabbing with butyl sealant.

C. Apply heel bead of butyl sealant along intersection of permanent stop with frame ensuring full perimeter seal between glass and frame to complete the continuity of the air and vapor seal.

D. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.

E. Rest glazing on setting blocks and push against tape and heel bead of sealant with sufficient pressure to attain full contact at perimeter of pane or glass unit.

F. Install removable stops, with spacer strips inserted between glazing and applied stops 1/4 inch below sight lines.
   1. Place glazing tape on glazing pane of unit with tape flush with sight line.

G. Fill gap between glazing and stop with exterior type sealant to depth equal to bite of frame on glazing, but not more than 3/8 inch below sight line.

H. Apply cap bead of exterior type sealant along void between the stop and the glazing, to uniform line, flush with sight line. Tool or wipe sealant surface smooth.

3.06 INSTALLATION - WET/DRY GLAZING METHOD (TAPE AND SEALANT)

A. Application - Interior Glazed: Set glazing infills from the interior of the building.

B. Cut glazing tape to length and install against permanent stops, projecting 1/16 inch above sight line.

C. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.

D. Rest glazing on setting blocks and push against tape to ensure full contact at perimeter of pane or unit.

E. Install removable stops, spacer shims inserted between glazing and applied stops at 24 inch intervals, 1/4 inch below sight line.

F. Fill gaps between pane and applied stop with compatable type sealant to depth equal to bite on glazing, to uniform and level line.

G. Carefully trim protruding tape with knife.

3.07 CLEANING

A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.

B. Remove nonpermanent labels immediately after glazing installation is complete.

C. Clean glass and adjacent surfaces after sealants are fully cured.

D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

3.08 PROTECTION

A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.

B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

END OF SECTION

SECTION 088300
MIRRORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Glass mirrors.
   1. Annealed float glass.

1.02 REFERENCE STANDARDS

A. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

B. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

C. ASTM C1036 - Standard Specification for Flat Glass; 2021.

D. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.

E. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror; 2018.

F. GANA (GM) - GANA Glazing Manual; 2022.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data on Mirror Types: Submit structural, physical and environmental characteristics, size limitations, special handling and installation requirements.

1.04 QUALITY ASSURANCE

A. Perform Work in accordance with GANA (GM) for glazing installation methods.

B. Fabricate, store, transport, receive, install, and clean mirrors in accordance with manufacturer's recommendations.

1.05 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Provide five year manufacturer warranty for reflective coating on mirrors and replacement of same.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Mirrors:
   1. Binswanger Mirror/ACI Distribution: www.binswangerglass.com
   2. Lenoir Mirror Co: www.lenoirmirror.com
   3. Trulite Glass and Aluminum Solutions: www.trulite.com
   4. Walker Glass Company Ltd: www.walkerglass.com
   5. Substitutions: See Section 016000 - Product Requirements.

2.02 MATERIALS

A. Mirror Design Criteria: Select materials and/or provide supports as required to limit mirror material deflection to 1/200, or to the flexure limit of glass, with full recovery of glazing materials, whichever is less.

B. Mirror Glass: ASTM C1036, Type 1 - Transparent Flat, Class 1 - Clear, Quality - Q2 (general use mirrors); silvering, protective coating, and quality requirements in compliance with ASTM C1503.
   1. Size: As indicated on drawings.

2.03 ACCESSORIES

A. Safety Glazing Products: For film backed mirrors, provide products that comply with 16CFR 1201, Category II.

B. J-Shape Frame: Aluminum extrusion, 1/2 inch by 1/2 inch by 3/8 inch deep.
   1. Material: Comply with ASTM B221 (ASTM B221M), 6005-T6 alloy and temper.
   2. Finish: Anodized, clear.
   3. Location: Continuous along top and bottom edges of mirror

2.04 FABRICATION

A. Film-Backed Safety Mirrors: Apply film backing with adhesive coating over mirror backing paint, as recommend in writing by film backing manufacturer.

PART 3 EXECUTION

3.01 PREPARATION

A. Clean contact surfaces with solvent and wipe dry.

B. Prepare installation in accordance with ASTM C1193 for solvent release sealants, and install sealant in accordance with manufacturer's instructions.

3.02 INSTALLATION

A. Install mirrors in accordance with manufacturer's recommendations.

B. Set mirrors plumb and level, and free of optical distortion.

C. Set mirrors with edge clearance free of surrounding construction including countertops or backsplashes.

D. Install mirrors with mirror hardware. Attach mirror hardware securely to mounting surfaces with mechanical fasteners installed with anchors or insert as applicable. Install fasterners so heads do not impose point loads on backs of mirrors.

3.03 CLEANING

A. Remove labels after work is complete.

B. Clean mirrors and adjacent surfaces.

END OF SECTION

SECTION 092116
GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Metal stud wall framing.

B. Metal channel ceiling framing.

C. Acoustic insulation.

D. Gypsum wallboard.

E. Joint treatment and accessories.

F. Textured finish system.

1.02 RELATED REQUIREMENTS

A. Section 061000 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

A. AISI S220 - North American Standard for Cold-Formed Steel Nonstructural Framing; 2020.

B. AISI S240 - North American Standard for Cold-Formed Steel Structural Framing; 2015, with Errata (2020).

C. ASTM A1003/A1003M - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members; 2015.

D. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2017 (Reapproved 2022).

E. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2017.

F. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2020.

G. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2020.

H. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2022.

I. ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base; 2019.

J. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2017.

K. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2021.

L. GA-216 - Application and Finishing of Gypsum Panel Products; 2021.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination: Coordinate the installation of gypsum board assemblies with size, location, and installation of service utilities.

B. Sequencing: Install service utilities in an orderly and expeditious manner.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data:

1.06 MOCK-UPS

A. Construct an interior wall panel sized 8 feet wide x 8 feet wide including a finished joint treatment and final wall texture.

B. Locate where directed.

C. Mock-up may remain as part of work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Store gypsum products and accessories indoors and keep above freezing. Elevate boards above floor, on nonwicking supports, in accordance with manufacturer's recommendations.

B. Store metal products to prevent corrosion.

PART 2 PRODUCTS

2.01 METAL FRAMING MATERIALS

A. Steel Sheet: ASTM A1003/A1003M, subject to the ductility limitations indicated in AISI S240.

B. Manufacturers - Metal Framing, Connectors, and Accessories:
   1. ClarkDietrich: www.clarkdietrich.com
   2. MarinoWARE: www.marinoware.com
   3. Phillips Manufacturing Co: www.phillipsmfg.com
   4. Substitutions: See Section 016000 - Product Requirements.

C. Nonstructural Framing System Components: AISI S220; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.
   1. Studs: C-shaped with knurled or embossed faces.
   2. Runners: U shaped, sized to match studs.
   3. Ceiling Channels: C-shaped.
   4. Furring Members: Hat-shaped sections, minimum depth of 7/8 inch.
   5. Furring Members: Zee-shaped sections, minimum depth of 2 inch.

D. Partition Head To Structure Connections: Provide track fastened to structure with legs of sufficient length to accommodate deflection, for friction fit of studs cut short and fastened as indicated on drawings.

E. Non-structural Framing Accessories:
   1. Ceiling Hangers: Type and size as specified in ASTM C754 for spacing required.

F. Grid Suspension Systems: Steel grid system of main tees and support bars connected to structure using hanging wire.

2.02 BOARD MATERIALS

A. Manufacturers - Gypsum-Based Board:
   1. American Gypsum Company: www.americangypsum.com
   2. CertainTeed Corporation: www.certainteed.com
   3. Georgia-Pacific Gypsum: www.gpgypsum.com
   4. Gold Bond Building Products, LLC provided by National Gypsum Company: www.goldbondbuilding.com
   5. USG Corporation: www.usg.com
   6. Substitutions: See Section 016000 - Product Requirements.

B. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
   1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
   2. At Assemblies Indicated with Fire-Resistance Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
   3. Thickness:
      a. Vertical Surfaces: 5/8 inch.
      b. Ceilings: 5/8 inch.

C. Backing Board For Non-Wet Areas: Water-resistant gypsum backing board as defined in ASTM C1396/C1396M; sizes to minimum joints in place; ends square cut.

1. Application: Vertical surfaces behind thinset tile, except in wet areas.
2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
3. At Assemblies Indicated with Fire-Resistance Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
4. Type: Regular and Type X, in locations indicated.
5. Type X Thickness: 5/8 inch.
6. Regular Board Thickness: 5/8 inch.
7. Edges: Tapered.

2.03 GYPSUM BOARD ACCESSORIES

A. Acoustic Insulation: ASTM C665; preformed mineral-fiber or fiberglass, friction fit type, unfaced; thickness as required for STC.

B. Acoustic Sealant: Acrylic emulsion latex or water-based elastomeric sealant; do not use solvent-based non-curing butyl sealant.

C. Finishing Accessories: ASTM C1047, extruded aluminum alloy (6063 T5) or galvanized steel sheet ASTM A924/A924M G90, unless noted otherwise.
1. Types: As detailed or required for finished appearance.
2. Special Shapes: In addition to conventional corner bead and control joints, provide U-bead at exposed panel edges.
3. Products:
   a. Same manufacturer as framing materials.

D. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
1. Paper Tape: 2 inch wide, creased paper tape for joints and corners.
2. Joint Compound: Drying type, vinyl-based, ready-mixed.

E. Textured Finish Materials: Latex-based compound; plain.

F. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion-resistant.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that project conditions are appropriate for work of this section to commence.

3.02 FRAMING INSTALLATION

A. Metal Framing: Install in accordance with AISI S220 and manufacturer's instructions.

B. Suspended Ceilings and Soffits: Space framing and furring members as indicated.
1. Level ceiling system to a tolerance of 1/1200.
2. Laterally brace entire suspension system.

C. Studs: Space studs at 16 inches on center.
1. Extend partition framing to structure where indicated and to ceiling in other locations.
2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
3. Partitions Terminating at Structure: Attach extended leg top runner to structure, maintain clearance between top of studs and structure, and brace both flanges of studs with continuous bridging.

D. Openings: Reinforce openings as required for weight of doors or operable panels, using not less than double studs at jambs.

E. Blocking: Install wood blocking for support of:
1. Wall-mounted cabinets.
2. Plumbing fixtures.
3. Toilet partitions.
4. Toilet accessories.

5. Wall-mounted door hardware.

3.03 ACOUSTIC ACCESSORIES INSTALLATION

A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.

B. Acoustic Sealant: Install in accordance with manufacturer's instructions.
   1. Place one bead continuously on substrate before installation of perimeter framing members.

3.04 BOARD INSTALLATION

A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.

B. Single-Layer Nonrated: Install gypsum board parallel to framing, with ends and edges occurring over firm bearing.

C. Fire-Resistance-Rated Construction: Install gypsum board in strict compliance with requirements of assembly listing.

D. Exposed Gypsum Board in Interior Wet Areas: Seal joints, cut edges, and holes with water-resistant sealant.

E. Installation on Metal Framing: Use screws for attachment of gypsum board.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
   1. Not more than 30 feet apart on walls and ceilings over 50 feet long.
   2. Wings of 'L', 'U' and 'T' shaped ceiling areas
   3. Door and window frame jambs
   4. Abutting dissimilar materials
   5. At changes in construction type within the plane of the partition or ceiling

B. Corner Beads: Install at external corners, using longest practical lengths.

C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

3.06 JOINT TREATMENT

A. Paper Faced Gypsum Board: Use paper joint tape, embed with drying type joint compound and finish with drying type joint compound.

B. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
   1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
   2. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.

C. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
   1. Feather coats of joint compound so that camber is maximum 1/32 inch.

3.07 TEXTURE FINISH

A. Apply finish texture coating by means of roller in accordance with manufacturer's instructions and to match approved sample.

3.08 TOLERANCES

A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

3.09 PROTECTION

A. Protect installed gypsum board assemblies from subsequent construction operations.

END OF SECTION

SECTION 092236
LATH

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Metal lath for cement and gypsum plaster.

B. Furring for metal lath.

C. Metal ceiling framing.

1.02 RELATED REQUIREMENTS

A. Section 092400 - Cement Plastering.

1.03 REFERENCE STANDARDS

A. ASTM A641/A641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire; 2019.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

C. ASTM C841 - Standard Specification for Installation of Interior Lathing and Furring; 2023.

D. ASTM C847 - Standard Specification for Metal Lath; 2018.

E. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2022.

F. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2022.

G. ASTM C1032 - Standard Specification for Woven Wire Plaster Base; 2018.

H. ASTM C1063 - Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster; 2023.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Metal Lath and Accessories:
   1. Alabama Metal Industries Corporation; Self-Furred Diamond Mesh Lath: www.amico-lath.com/#sle.
   2. CEMCO; ____: www.cemcosteel.com/#sle.
   3. MarinoWARE; _____: www.marinoware.com/#sle.
   4. Phillips Manufacturing Co; Paperback Lath: www.phillipsmfg.com/#sle.
   5. Semco Southeastern Metals; ____: www.semetals.com/#sle.
   6. Structa Wire, a ClarkDietrich Company; Structa Mega Lath: www.structawire.com/#sle.
   7. Substitutions: See Section 016000 - Product Requirements.

2.02 FRAMING AND LATH ASSEMBLIES

A. Provide completed assemblies with the following characteristics:
   1. Maximum Deflection of Vertical Assemblies: 1:360 under lateral point load of 100 lbs.
   2. Maximum Deflection of Horizontal Assemblies: 1:240 deflection under dead loads and wind uplift.

2.03 FRAMING MATERIALS

A. Galvanized 16 gauge 4 inch metal "C" channels covered with 5/8" gypsum sheathing at fascia.

B. Furring Channels: Formed steel, minimum 0.020 inch thick, 3/8 inch deep by 7/8 inch high, splicing permitted; galvanized.

C. Main Ceiling Channels: Formed steel, asphalt coated, minimum 0.05 inch thick, 3/4 inch deep by 1-1/2 inch high, single piece, no splicing; galvanized.

D. Resilient Channels: Formed steel, minimum 0.020 inch thick; serrated face, flattened Z profile, ____ inch wide, splicing permitted; galvanized.

E. Lateral Bracing: Formed steel, minimum 0.060 inch thick, size and length as required; galvanized.

2.04 LATH

A. Diamond Mesh Metal Lath: ASTM C847, galvanized; self-furring.
   1. Weight: To suit application and as specified in ASTM C841 or ASTM C1063 for framing spacing.
   2. Weight: 2.5 lb/sq yd.
   3. Backed with treated paper.

B. Ribbed Metal Lath: ASTM C847, galvanized; 3/8 inch thick.
   1. Weight: To suit application and as specified in ASTM C841 or ASTM C1063 for framing spacing.
   2. Weight: 3.4 lb/sq yd.
   3. Backed with treated paper.

C. Beads, Screeds, Joint Accessories, and Other Trim: Depth governed by plaster thickness, and maximum possible lengths.
   1. Material: Formed sheet steel with rust inhibitive primer, expanded metal flanges.
   2. Corner Beads: Radiused corners.
      a. Products:
         1) Phillips Manufacturing Co; #1 Expanded Corner Bead: www.phillipsmfg.com/#sle.
         2) Substitutions: See Section 016000 - Product Requirements.
   3. Expansion Joints: Accordion profile with factory-installed protective tape, 2 inch wide flanges.
      a. Products:
         1) Phillips Manufacturing Co; #15 Double V Expansion Joint: www.phillipsmfg.com/#sle.
   4. Base Screeds:
      a. Material: Galvanized steel, ASTM A653/A653M, with G90/Z275 zinc coating; minimum 26-gauge, 0.0179-inch thick base metal.
      b. Products:
   5. Control Joints: Accordion profile with factory-installed protective tape, 2 inch flanges.

2.05 ACCESSORIES

A. Anchorage: Tie wire, nails, and other metal supports, of type and size to suit application; to rigidly secure materials in place, galvanized.

B. Fasteners: Self-piercing tapping screws; ASTM C1002 or ASTM C954.

C. Tie Wire: Annealed galvanized steel.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that substrates are ready to receive work and conditions are suitable for application.

C. Do not begin until unacceptable conditions have been corrected.

D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 INSTALLATION - GENERAL

A. Install interior lath and furring for gypsum plaster in accordance with ASTM C841.

B. Install metal lath and furring for Portland cement plaster in accordance with ASTM C1063.

3.03 CEILING AND SOFFIT FRAMING INSTALLATION

A. Install furring after work above ceiling or soffit is complete. Coordinate the location of hangers with other work.

B. Install furring independent of walls, columns, and above-ceiling work.

C. Securely anchor hangers to structural members or embed in structural slab. Space hangers as required to limit deflection to criteria indicated. Use rigid hangers at exterior soffits.

D. Space main carrying channels at maximum 72 inch on center, and not more than 6 inches from wall surfaces. Lap splice securely.

E. Securely fix carrying channels to hangers to prevent turning or twisting and to transmit full load to hangers.

F. Install furring channels perpendicular to carrying channels, not more than 2 inches from perimeter walls, and rigidly secure. Lap splices securely.

G. Reinforce openings in suspension system that interrupt main carrying channels or furring channels with lateral channel bracing. Extend bracing minimum 24 inches past each opening.

H. Laterally brace suspension system.

3.04 CONTROL AND EXPANSION JOINT INSTALLATION

A. Locate joints as indicated on drawings and comply with ASTM C1063.
   1. Area of plaster panel not to exceed 144 sq ft for vertical surfaces.
   2. Area of plaster panel not to exceed 100 sq ft for horizontal, curved or angled surfaces.
   3. Spacing between control joints not to exceed 18 ft in each direction.

B. Install expansion joints where an expansion joint occurs in base exterior wall.

C. Install prefabricated joint accessories in accordance with ASTM C1063.

D. Construct expansion joints of back-to-back casing beads with a backer rod and sealant, set 1/4 inch apart.

3.05 LATH INSTALLATION

A. Apply lath taut, with long dimension perpendicular to supports.

B. Lap or nest ends of metal lath in accordance with ASTM C841.

C. Continuously reinforce internal angles with corner mesh, except where the metal lath returns 3 inches from corner to form the angle reinforcement; fasten at perimeter edges only.

D. Place corner bead at external wall corners; fasten at outer edges of lath only.

E. Place base screeds at termination of plaster areas; secure rigidly in place.

F. Place lath vertically above each top corner and each side of door frames to 6 inches above ceiling line.

G. Place casing beads at terminations of plaster finish. Butt and align ends. Secure rigidly in place.

H. Place additional strip mesh diagonally at corners of lathed openings. Secure rigidly in place.

3.06 TOLERANCES

A. Maximum Variation from True Lines and Levels: 1/8 inch in 10 feet.

B. Maximum Variation from True Position: 1/8 inch.

END OF SECTION

SECTION 092400
CEMENT PLASTERING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Cement plastering.

1.02 RELATED REQUIREMENTS

A. Section 054000 - Cold-Formed Metal Framing: Structural metal framing for plaster.

B. Section 061000 - Rough Carpentry: Wood stud framing for plaster.

C. Section 072500 - Weather Barriers: Water-resistive barrier.

D. Section 092236 - Lath: Lath, furring, beads, screeds, and joint accessories for plaster base.

1.03 REFERENCE STANDARDS

A. ASTM C926 - Standard Specification for Application of Portland Cement-Based Plaster; 2023a.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittals procedures.

B. Product Data: Provide data on plaster materials and trim accessories.

C. Samples:
   1. Submit two samples, 12 inch by 12 inch inch in size illustrating finish color and texture.

1.05 QUALITY ASSURANCE

1.06 MOCK-UPS

A. See Section 014000 - Quality Requirements for additional requirements.

B. Mock-Up Panel: Construct a 4 foot wide by 8 foot high sample panel of plaster work at the jobsite demonstrating installation procedures, finish texture, and color. Show each phase of installation including framing and reinforcement.

1.07 FIELD CONDITIONS

A. Exterior Plaster Work: Do not apply plaster when substrate or ambient air temperature is 40 degrees F or lower, or when temperature is expected to drop below 40 degrees F within 48 hours of application.

B. Interior Plaster Work: Maintain minimum ambient temperature of 50 degrees F during installation of plaster and until fully cured.

PART 2 PRODUCTS

2.01 CEMENT PLASTER APPLICATIONS

A. Lath Plaster Base: Metal lath.
   1. Plaster Type: Factory prepared plaster mix.
   2. Number of Coats: Three.
   3. First Coat: Apply to a nominal thickness of 3/8 inch.
   4. Second Coat: Apply to a nominal thickness of 3/8 inch.
   5. Leveling Coat: Apply to a nominal thickness of 1/32 to 1/16 inch.
   6. Finish Coat: Apply to a nominal thickness of 1/8 inch.
      a. Texture: sand finish.
   7. Finish: Acrylic.

2.02 FACTORY PREPARED CEMENT PLASTER

2.03 ACCESSORIES

A. Lath: See Section 092236.

B. Finishing Accessories: See Section 092236.

C. Water-Resistive Barrier: See Section 072500.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions are acceptable prior to starting this work.

B. Verify lath is flat, secured to substrate, and joint and surface perimeter accessories are properly in place.

3.02 PREPARATION

3.03 INSTALLATION - WATER-RESISTIVE BARRIER

A. Where cement plaster is installed as part of a barrier wall system, install two layers of water-resistive barrier in accordance with water-resistive barrier manufacturer's instructions.

B. Integrate water-resistive barrier with flashing accessories, and adjacent doors, windows, penetrations, and cladding transitions.

3.04 MIXING

A. Mix only as much plaster as can be used prior to initial set.

B. Mix materials dry, to uniform color and consistency, before adding water.

C. Protect mixtures from frost or freezing temperatures, contamination, and excessive evaporation.

3.05 APPLICATION

A. Apply plaster in accordance with manufacturer's written instructions and comply with ASTM C926.

B. Base Coats:
   1. Apply base coat(s) to fully embed lath and to specified thickness.
   2. Follow guidelines in ASTM C926 and manufacturer's written installation instructions for moist curing base coats and application of subsequent coats.

C. Leveling Coat:
   1. Apply leveling coat to specified thickness.

D. Finish Coats:
   1. Cement Plaster:
      a. Apply with sufficient material and pressure to ensure complete coverage of base to specified thickness.
      b. Apply desired surface texture while mix is still workable.
   2. Primer and Acrylic Coatings:
      a. Remove surface contaminants such as dust and dirt without damaging substrate.
      b. Apply primer in accordance with manufacturer's instructions.
      c. Apply finish coating in number of coats and to thickness recommended by manufacturer.

3.06 TOLERANCES

A. Maximum Variation from True Flatness: 1/4 inch in 10 feet.

END OF SECTION

SECTION 093000
TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Tile for floor applications.

B. Tile for wall applications.

C. Ceramic trim.

D. Non-ceramic trim.

1.02 REFERENCE STANDARDS

A. ANSI A108/A118/A136 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2024.

B. ANSI A108.1a - American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar; 2023.

C. ANSI A108.1b - Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.

D. ANSI A108.1c - Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set, Modified Dry-Set, or Improved Modified Dry-Set Cement Mortar; 2023.

E. ANSI A108.2 - American National Standard General Requirements: Materials, Environmental and Workmanship; 2019.

F. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive; 2023.

G. ANSI A108.5 - Setting of Ceramic Tile with Dry-Set Cement Mortar, Modified Dry-Set Cement Mortar, EGP (Exterior Glue Plywood) Modified Dry-Set Cement Mortar, or Improved Modified Dry-Set Cement Mortar; 2023.

H. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy; 2023.

I. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout; 1999 (Reaffirmed 2024).

J. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 2023.

K. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 2017 (Reaffirmed 2022).

L. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units; 2018.

M. ANSI A108.12 - Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Modified Dry-Set Mortar; 2023.

N. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2005 (Reaffirmed 2021).

O. ANSI A108.19 - American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar; 2020.

P. ANSI A108.20 - American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs; 2020.

Q. ANSI A118.4 - American National Standard Specifications for Modified Dry-Set Cement Mortar; 2023.

R. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation; 2019.

S. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation; 2014 (Reaffirmed 2024).

T. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2022.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.

1.04 QUALITY ASSURANCE

A. Maintain one copy of ANSI A108/A118/A136 and TCNA (HB) on site.

B. Installer Qualifications:
   1. Company specializing in performing tile installation, with minimum of five years of documented experience.

1.05 MOCK-UPS

A. See Section 014000 - Quality Requirements for general requirements for mock-up.

B. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location.
   1. Approved mock-up may remain as part of work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.07 FIELD CONDITIONS

A. Maintain ambient and substrate temperature above 50 degrees F and below 100 degrees F during installation and curing of setting materials.

PART 2 PRODUCTS

2.01 TILE

A. Manufacturers: Refer to Finish Schedule .

2.02 TRIM AND ACCESSORIES

A. Ceramic Trim: Matching bullnose, cove base, and cove ceramic shapes in sizes coordinated with field tile. Refer to Finish Schedule
   1. Manufacturers: Refer to Finish Schedule

B. Non-Ceramic Trim: Satin natural anodized extruded aluminum, style and dimensions to suit application, for setting using tile mortar or adhesive.
   1. Refer to Finish Schedule for types and finishes.
   2. Applications:
      a. Open edges of wall tile.
      b. Open edges of floor tile.
      c. Transition between floor finishes of different heights.
      d. Thresholds at door openings.
      e. Expansion and control joints, floor and wall.
      f. Floor to wall joints.
      g. Borders and other trim as indicated on drawings.
   3. Manufacturers:
      a. Schluter-Systems: www.schluter.com
      b. Substitutions: See Section 016000 - Product Requirements.

2.03 SETTING MATERIALS

A. Manufacturers:
   1. ARDEX Engineered Cements: www.ardexamericas.com
   2. Bostik Inc: www.bostik-us.com
   3. Custom Building Products: www.custombuildingproducts.com
   4. LATICRETE International, Inc: www.laticrete.com
   5. Merkrete, by Parex USA, Inc: www.merkrete.com
   6. Mapei Corporation: www.mapei.com..
   7. Substitutions: See Section 016000 - Product Requirements.

B. Latex-Portland Cement Mortar Bond Coat: ANSI A118.4.
   1. Applications: Use this type of bond coat where indicated, and where no other type of bond coat is indicated.
   2. Products:
      a. ARDEX Engineered Cements; ARDEX X 5: www.ardexamericas.com/#sle.
      b. Custom Building Products; ProLite Premium Rapid Setting Large Format Tile Mortar, with Multi-Surface Bonding Primer: www.custombuildingproducts.com/#sle.
      c. LATICRETE International, Inc; 257 TITANIUM: www.laticrete.com/#sle.
      d. Merkrete, by Parex USA, Inc; Merkrete 735 Premium Flex: www.merkrete.com/#sle.
      e. Mapei Corporation; Ultraflex LFT.
      f. Substitutions: See Section 016000 - Product Requirements.

2.04 GROUTS

A. Manufacturers:
   1. ARDEX Engineered Cements: www.ardexamericas.com
   2. Bostik Inc: www.bostik-us.com
   3. Custom Building Products: www.custombuildingproducts.com
   4. LATICRETE International, Inc: www.laticrete.com
   5. Merkrete, by Parex USA, Inc: www.merkrete.com
   6. Mapei Corporation: www.mapei.com.
   7. Substitutions: See Section 016000 - Product Requirements.

B. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
   1. Applications: Use this type of grout where indicated and where no other type of grout is indicated.
   2. Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide.
   3. Color(s): As indicated on drawings.
   4. Products:
      a. Mapei Corporation; Ultracolor Plus FA.
      b. Substitutions: See Section 016000 - Product Requirements.

2.05 MAINTENANCE MATERIALS

A. Tile Sealant: Gunnable, silicone, siliconized acrylic, or urethane sealant; moisture and mildew resistant type.

B. Refer to Section 079200 - JOINT SEALANTS
   1. Applications: Between tile and plumbing fixtures.
   2. Color(s): As selected by Architect from manufacturer's full line.

2.06 ACCESSORY MATERIALS

A. Concrete Floor Slab Crack Isolation Membrane: Material complying with ANSI A118.12; not intended as waterproofing.
   1. Crack Resistance: No failure at 1/8 inch gap, minimum.
   2. Fluid or Trowel Applied Type:
      a. Thickness: 20 mils, maximum.

b. Products:
    1) LATICRETE International, Inc; LATICRETE Blue 92 Anti-Fracture Membrane
    2) Merkrete, by Parex USA, Inc; Merkrete Fracture Guard:
    3) Mapei Corporation: Mapeilastic CI.
    4) Substitutions: See Section 016000 - Product Requirements.

B. Mesh Tape: 2 inch wide self-adhesive fiberglass mesh tape.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.

B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.

C. Verify that subfloor surfaces are dust free and free of substances that could impair bonding of setting materials to subfloor surfaces.

D. Cementitious Subfloor Surfaces: Verify that substrates are ready for tiling installation by testing for moisture and alkalinity (pH).
    1. Test in accordance with Section 090561.
    2. Obtain instructions if test results are not within limits recommended by tiling material manufacturer and setting material manufacturer.

3.02 PREPARATION

A. Protect surrounding work from damage.

B. Vacuum clean surfaces and damp clean.

C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

D. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a feather edge.

E. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.03 INSTALLATION - GENERAL

A. Install tile and thresholds and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.

B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.

C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.

D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.

E. Form internal angles square and external angles bullnosed.

F. Install non-ceramic trim in accordance with manufacturer's instructions.

G. Sound tile after setting. Replace hollow sounding units.

H. Keep control and expansion joints free of mortar, grout, and adhesive.

I. Prior to grouting, allow installation to completely cure; minimum of 48 hours.

J. Grout tile joints unless otherwise indicated.

K. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

A. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.
   1. Use uncoupling membrane under all tile unless other underlayment is indicated.

3.05 INSTALLATION - WALL TILE

A. Over gypsum wallboard on wood or metal studs install in accordance with TCNA (HB) Method W243, thin-set with dry-set or latex-Portland cement bond coat, unless otherwise indicated.

B. Over interior concrete and masonry install in accordance with TCNA (HB) Method W202, thin-set with dry-set or latex-Portland cement bond coat.

3.06 CLEANING

A. Clean tile and grout surfaces.

3.07 PROTECTION

A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

SECTION 095100
ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Suspended metal grid ceiling system.

B. Acoustical units.

1.02 REFERENCE STANDARDS

A. ASTM C635/C635M - Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 2022.

B. ASTM C636/C636M - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels; 2019.

C. ASTM E580/E580M - Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions; 2022.

D. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2022.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.

B. Do not install acoustical units until after interior wet work is dry.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data on suspension system components and acoustical units.

C. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 016000 - Product Requirements, for additional provisions.
   2. Extra Acoustical Units: 40 sq ft of each type and size.

1.05 FIELD CONDITIONS

A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acoustic Tiles/Panels:
   1. Armstrong World Industries, Inc: www.armstrongceilings.com
   2. CertainTeed Corporation: www.certainteed.com/ceilings-and-walls
   3. Hunter Douglas Contract: www.hunterdouglascontract.com
   4. USG Corporation: www.usg.com/ceilings
   5. Substitutions: See Section 016000 - Product Requirements.

B. Suspension Systems:
   1. Same as for acoustical units.
   2. Substitutions: See Section 016000 - Product Requirements.

2.02 ACOUSTICAL UNITS

A. Acoustical Units - General: ASTM E1264, Class A.

B. Acoustical Panels: Painted mineral fiber, with the following characteristics:
   1. Classification: ASTM E1264 Type III.
      a. Form: 2, water felted.
   2. Size: refer to finish schedule

3. Thickness: 5/8 inch.
4. Light Reflectance: 88 percent, determined in accordance with ASTM E1264.
5. NRC Range: 0.50 to 0.60, determined in accordance with ASTM E1264.
6. Ceiling Attenuation Class (CAC): 33, determined in accordance with ASTM E1264.
7. Panel Edge: tegular.
8. Color: As indicated on drawings.
9. Anti-Mold and Mildew - Resists the growth of mold and mildew
10. Sag Resistance
11. Suspension System: Exposed grid.
12. Products:
    a. Armstrong World Industries, IncUltima Tegula
    b. Refer to Finish Schedule
    c. Substitutions: See Section 016000 - Product Requirements.

C. Acoustical Panels: Mineral fiber with scrubbable finish, with the following characteristics:
1. Classification: ASTM E1264 Type IX.
2. Size: 24 by 24 inches.
3. Thickness: 3/4 inch.
4. Panel Edge: Square.
5. Suspension System Type _____: Exposed grid.

2.03 SUSPENSION SYSTEM(S)

A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, stabilizer bars, clips, and splices as required.

B. Exposed Suspension System: Hot-dipped galvanized steel grid with steel cap.
1. Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.
2. Profile: Tee; 9/16 inch face width.
3. Finish: Baked enamel.
4. Color: White.
5. Products:
    a. Armstrong World Industries: Prelude
    b. USG Corporation; Donn DX
    c. Substitutions: See Section 016000 - Product Requirements.

2.04 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.

B. Perimeter Moldings: Same metal and finish as grid.

C. Touch-up Paint: Type and color to match acoustical and grid units.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 PREPARATION

A. Install after major above-ceiling work is complete.

B. Coordinate the location of hangers with other work.

3.03 INSTALLATION - SUSPENSION SYSTEM

A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, and manufacturer's instructions and as supplemented in this section.

B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.

C. Locate system on room axis according to reflected plan.

D. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
   1. Use longest practical lengths.

E. Suspension System, Non-Seismic: Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.

F. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

G. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.

H. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.

I. Do not eccentrically load system or induce rotation of runners.

3.04 INSTALLATION - ACOUSTICAL UNITS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.

E. Cutting Acoustical Units:
   1. Cut to fit irregular grid and perimeter edge trim.
   2. Make field cut edges of same profile as factory edges.
   3. Double cut and field paint exposed reveal edges.

3.05 TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

3.06 CLEANING

A. Clean surfaces.

B. Replace damaged or abraded components.

END OF SECTION

SECTION 096500
RESILIENT FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Resilient tile flooring.

B. Resilient base.

C. Installation accessories.

1.02 REFERENCE STANDARDS

A. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2022.

B. ASTM F1861 - Standard Specification for Resilient Wall Base; 2021.

C. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.

D. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.

E. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2023.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.

C. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 016000 - Product Requirements, for additional provisions.
   2. Extra Flooring Material: 20 square feet of each type and color.
   3. Extra Wall Base: 10 linear feet of each type and color.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in installing specified flooring with minimum three years documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.

B. Store all materials off of the floor in an acclimatized, weather-tight space.

C. Maintain temperature in storage area between 55 degrees F and 90 degrees F.

D. Protect roll materials from damage by storing on end.

1.06 FIELD CONDITIONS

A. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

PART 2 PRODUCTS

2.01 TILE FLOORING

A. Refer to the Finish Schedule

2.02 RESILIENT BASE

A. Resilient Base: ASTM F1861, Type TS, rubber, vulcanized thermoset; style as scheduled.
   1. Manufacturers:

a. Johnsonite, a Tarkett Company: www.johnsonite.com
b. Mannington Commercial: www.manningtoncommercial.com
c. Roppe Corporation: www.roppe.com
d. Substitutions: See Section 016000 - Product Requirements.

2. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter, when tested in accordance with ASTM E648 or NFPA 253.
3. Height: 4 inches.
4. Thickness: 0.125 inch.
5. Finish: Satin.
6. Length: Roll.
7. Color: As indicated on drawings.

2.03 ACCESSORIES

A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.

B. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.

C. Moldings, Transition and Edge Strips: Same material as flooring.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.

B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.

C. Cementitious Subfloor Surfaces: Verify that substrates are ready for resilient flooring installation by testing for moisture and alkalinity (pH).

1. Test as Follows:
   a. Alkalinity (pH): ASTM F710.
   b. Internal Relative Humidity: ASTM F2170.
   c. Moisture Vapor Emission: ASTM F1869.
2. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.

B. Remove subfloor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with subfloor filler to achieve smooth, flat, hard surface.

C. Prohibit traffic until filler is fully cured.

D. Clean substrate.

E. Apply primer as required to prevent "bleed-through" or interference with adhesion by substances that cannot be removed.

3.03 INSTALLATION - GENERAL

A. Starting installation constitutes acceptance of subfloor conditions.

B. Install in accordance with manufacturer's written instructions.

C. Adhesive-Applied Installation:

1. Spread only enough adhesive to permit installation of materials before initial set.
2. Fit joints and butt seams tightly.
3. Set flooring in place, press with heavy roller to attain full adhesion.

D. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.

E. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated. Refer to plans.
   1. Metal Strips: Attach to substrate before installation of flooring using stainless steel screws.
   2. Resilient Strips: Attach to substrate using adhesive.

F. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.04 INSTALLATION - TILE FLOORING

A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.

B. Refer to the plans for install patterns.

3.05 INSTALLATION - RESILIENT BASE

A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.

B. Miter internal corners. At external corners, 'V' cut back of base strip to 2/3 of its thickness and fold. At exposed ends, use premolded units.

C. Install base on solid backing. Bond tightly to wall and floor surfaces.

3.06 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damage.

B. Clean in accordance with manufacturer's written instructions.

3.07 PROTECTION

A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION

SECTION 096566
RESILIENT ATHLETIC FLOORING

PART 2 PRODUCTS: REFER TO FINISH SCHEDULE

END OF SECTION

SECTION 096623
RESINOUS MATRIX TERRAZZO FLOORING

PART 2 PRODUCTS

1.01 EPOXY MATRIX TERRAZZO APPLICATIONS

A. Floors:
   1. Thickness: 3/8 inch, nominal.
   2. Aggregate Type: Marble chips.
   3. Aggregate Size: No. 2.

END OF SECTION

SECTION 096813
TILE CARPETING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Carpet tile, fully adhered.

1.02 REFERENCE STANDARDS

A. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2022.

B. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.

C. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 016000 - Product Requirements, for additional provisions.
   2. Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in installing carpet tile with minimum three years documented experience and approved by carpet tile manufacturer.

1.05 FIELD CONDITIONS

A. Store materials in area of installation for minimum period of 24 hours prior to installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS - REFER TO FINISH SCHEDULE

2.02 MATERIALS

A. Refer to Finish Schedule

2.03 ACCESSORIES

A. Subfloor Filler: White premix latex; type recommended by flooring material manufacturer.

B. Edge Strips: Embossed aluminum, color as selected by Architect.

C. Carpet Tile Adhesive: Recommended by carpet tile manufacturer; releasable type.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that subfloor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.

B. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to subfloor surfaces.

C. Cementitious Subfloor Surfaces: Verify that substrates are ready for flooring installation by testing for moisture and alkalinity (pH).
   1. Test as Follows:
      a. Alkalinity (pH): ASTM F710.
      b. Internal Relative Humidity: ASTM F2170.
      c. Moisture Vapor Emission: ASTM F1869.
   2. Obtain instructions if test results are not within limits recommended by flooring material manufacturer and adhesive materials manufacturer.

3.02 PREPARATION

A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.

B. Remove subfloor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler.

C. Apply, trowel, and float filler to achieve smooth, flat, hard surface. Prohibit traffic until filler is cured.

D. Vacuum clean substrate.

3.03 INSTALLATION

A. Starting installation constitutes acceptance of subfloor conditions.

B. Install carpet tile in accordance with manufacturer's instructions.

C. Blend carpet from different cartons to ensure minimal variation in color match.

D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.

E. Lay carpet tile in square pattern, with pile direction parallel to next unit, set parallel to building lines.

F. Pattern: Refer to finish schedule

G. Locate change of color or pattern between rooms under door centerline.

H. Fully adhere carpet tile to substrate.

I. Trim carpet tile neatly at walls and around interruptions.

J. Complete installation of edge strips, concealing exposed edges.

3.04 CLEANING

A. See Section 017000 - Execution and Closeout Requirements for additional requirements.

B. Remove excess adhesive without damage, from floor, base, and wall surfaces.

C. Clean and vacuum carpet surfaces.

END OF SECTION

SECTION 098430
SOUND-ABSORBING WALL AND CEILING UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Sound-absorbing panels.

B. Mounting accessories.

1.02 REFERENCE STANDARDS

A. ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2022.

B. ASTM C636/C636M - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels; 2019.

C. ASTM E580/E580M - Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions; 2022.

D. ASTM E795 - Standard Practices for Mounting Test Specimens During Sound Absorption Tests; 2023.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's printed data sheets for products specified.

C. Shop Drawings: Fabrication and installation details, panel layout, fabric orientation, and wood grain orientation.

D. Verification Samples: Fabricated samples of each type of panel specified; 12 by 12 inch, showing construction, edge details, and fabric covering.

1.04 QUALITY ASSURANCE

1.05 DELIVERY, STORAGE, AND HANDLING

A. Protect acoustical units from moisture during shipment, storage, and handling. Deliver in factory-wrapped bundles; do not open bundles until units are needed for installation.

B. Store units flat, in dry, well-ventilated space; do not stand on end.

C. Protect edges from damage.

PART 2 PRODUCTS

2.01 FABRIC-COVERED SOUND-ABSORBING UNITS

A. General:
   1. Prefinished, factory assembled fabric-covered panels.

B. Fabric-Covered Acoustical Panels for Walls:
   1. Panel Core: Manufacturer's standard rigid or semi-rigid fiberglass core.
   2. Sound Absorption: Noise Reduction Coefficient (NRC) or Sound Absorption Average (SAA) of _____ when tested in accordance with ASTM C423 for Type A mounting, per ASTM E795.
   3. Edges: Perimeter edges reinforced by a formulated resin hardener.
   4. Fabric: refer to finish schedule.
   5. Patterns: Where fabric with directional or repeating patterns or fabric with directional weave is used, mark for installation in same direction.
   6. Mounting Method: On furring strips.

2.02 FABRICATION

A. Tolerances: Fabricate to finished tolerance of plus or minus 1/8 inch for thickness, overall length and width, and squareness from corner to corner.

2.03 ACCESSORIES

A. Ceiling-Suspended Accessories: Manufacturer's standard accessories at locations as indicated on each acoustical unit, sized appropriately for weight of acoustical unit.
   1. Provide galvanized wire for suspension from ceiling at heights as indicated.

B. Furring Strips: Metal hat channel.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install acoustical units in locations as indicated, following manufacturer's installation instructions.

B. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, and manufacturer's instructions and as supplemented in this section.

C. Install mounting accessories and supports in accordance with shop drawings.

D. Suspend ceiling panels at locations and heights as indicated.

E. Install acoustical units to construction tolerances of plus or minus 1/8 inch for the following:
   1. Plumb and level.
   2. Flatness.

3.02 CLEANING

A. Clean sound-absorptive panels upon completion of installation from dust and other foreign materials, following manufacturer's instructions.

3.03 PROTECTION

A. Provide protection of installed acoustical panels until Date of Substantial Completion.

B. Replace panels that cannot be cleaned and repaired to satisfaction of the Architect.

END OF SECTION

SECTION 099113
EXTERIOR PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints.

C. Scope: Finish exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
   1. Exposed surfaces of steel lintels and ledge angles.

D. Do Not Paint or Finish the Following Items:
   1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
   5. Floors, unless specifically indicated.
   6. Glass.
   7. Concealed pipes, ducts, and conduits.

1.02 REFERENCE STANDARDS

A. ASTM D4258 - Standard Practice for Surface Cleaning Concrete for Coating; 2005 (Reapproved 2017).

B. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2020.

C. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition.

D. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).

E. SSPC-SP 2 - Hand Tool Cleaning; 2024.

F. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
   2. MPI product number (e.g. MPI #47).
   3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.

C. Samples: Submit two paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
   1. Where sheen is specified, submit samples in only that sheen.

1.04 QUALITY ASSURANCE

A. Applicator Qualifications: Company specializing in performing the type of work specified with minimum three years experience and approved by manufacturer.

1.05 MOCK-UPS

A. See Section 014000 - Quality Requirements, for general requirements for mock-up.

B. Provide panel, 4 feet long by 4 feet wide, illustrating paint color, texture, and finish.

C. Locate where directed by Architect.

D. Mock-up may remain as part of the work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the paint product manufacturer's temperature ranges.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Do not apply exterior paint and finishes during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

D. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide paints and finishes from the same manufacturer to the greatest extent possible.

B. Paints:
   1. Behr Process Corporation: www.behr.com
   2. PPG Paints: www.ppgpaints.com
   3. Sherwin-Williams Company: www.sherwin-williams.com
   4. Valspar Corporation: www.valsparpaint.com.

C. Primer Sealers: Same manufacturer as top coats.

D. Substitutions: See Section 016000 - Product Requirements.

2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready-mixed, unless required to be a field-catalyzed paint.
   1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
   3. Supply each paint material in quantity required to complete entire project's work from a single production run.
   4. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is described explicitly in manufacturer's product instructions.

2.03 PAINT SYSTEMS - EXTERIOR (SHERWIN WILLIAMS PRODUCTS ARE USED AS REFERENCE STANDARDS)

A. Ferrous Metals, Unprimed, Waterbourne Acrylic, 3 Coats:
   1. One coat of Pro Industrial Pro-Cryl Primer
   2. Matte: Two coats acrylic enamel: Pro Industrial Multi-Surfce Acrylic
      a. Dry mil thickness: 1.4 - 2.3

B. Ferrous Metals, Primed, Waterbourne Acrylic, 2 Coats:

1. Touch up with Pro Industrial Pro-Cryl Primer
2. Matte: Two coats of acrylic enamel: Pro Industrial Multi-Surfce Acrylic
    a. Dry mil thickness: 1.4 - 2.3

C. Galvanized Metals, Waterbourne Acrylic, 2 Coats:
1. Matte: Two coats of acrylic enamel: Pro Industrial Multi-Surfce Acrylic
    a. Dry mil thickness: 1.4 - 2.3

D. Pavement Marking Paint:
1. White: One coat.

2.04 PRIMERS

A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.

2.05 ACCESSORY MATERIALS

A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin application of paints and finishes until substrates have been properly prepared.

B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.

D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

E. Test shop-applied primer for compatibility with subsequent cover materials.

F. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
1. Exterior Plaster and Stucco: 12 percent.
2. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
3. Exterior Wood: 15 percent, measured in accordance with ASTM D4442.
4. Concrete Floors and Traffic Surfaces: 8 percent.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete:
1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
2. Clean surfaces with pressurized water. Use pressure range of 1,500 to 4,000 psi at 6 to 12 inches. Allow to dry.

3. Clean concrete according to ASTM D4258. Allow to dry.

G. Galvanized Surfaces:
   1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
   2. Prepare surface according to SSPC-SP 2.

H. Ferrous Metal:
   1. Solvent clean according to SSPC-SP 1.
   2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
   3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 Commercial Blast Cleaning. Protect from corrosion until coated.

I. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

D. Apply each coat to uniform appearance.

E. Sand wood and metal surfaces lightly between coats to achieve required finish.

F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

G. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finishes until completion of project.

B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION

SECTION 099123
INTERIOR PAINTING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints.

C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.

D. Do Not Paint or Finish the Following Items:
   1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
   5. Floors, unless specifically indicated.
   6. Glass.
   7. Concealed pipes, ducts, and conduits.

1.02 REFERENCE STANDARDS

A. SSPC-SP 1 - Solvent Cleaning; 2015, with Editorial Revision (2016).

B. SSPC-SP 2 - Hand Tool Cleaning; 2024.

C. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g., "alkyd enamel").
   2. Cross-reference to specified paint system products to be used in project; include description of each system.

C. Samples: Submit two paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
   1. Where sheen is specified, submit samples in only that sheen.

1.04 QUALITY ASSURANCE

A. Applicator Qualifications: Company specializing in performing the type of work specified with minimum 3 years experience and approved by manufacturer.

1.05 MOCK-UP

A. See Section 014000 - Quality Requirements, for general requirements for mock-up.

B. Provide panel, 4 feet long by 4 feet wide, illustrating paint color, texture, and finish.

C. Locate where directed by Architect.

D. Mock-up may remain as part of the work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Provide lighting level of 80 fc measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide paints and finishes from the same manufacturer to the greatest extent possible.
   1. If a single manufacturer cannot provide specified products; minor exceptions will be permitted provided approval by Architect is obtained using the specified procedures for substitutions.

B. Paints:
   1. Behr Process Corporation: www.behr.com
   2. PPG Paints: www.ppgpaints.com
   3. Sherwin-Williams Company: www.sherwin-williams.com
   4. Valspar Corporation - Architectural (Pro).

C. Primer Sealers: Same manufacturer as top coats.

D. Substitutions: See Section 016000 - Product Requirements.

2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
   1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. Provide materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
   3. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
   4. Supply each paint material in quantity required to complete entire project's work from a single production run.
   5. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

B. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

2.03 PAINT SYSTEMS - INTERIOR

A. Concrete/Masonry, Opaque, Latex, 3 Coat:
   1. One coat of block filler.
   2. Eggshell: Two coats of latex enamel; Promar 200
      a. Dry mil thickness: 1.7

B. Ferrous Metals, Unprimed, Water-Based Light Industrial Coating System, 3 Coat:
   1. One Coat Primer: Pro Industrial Pro-Cryl Primer
   2. Eggshell: Two coats of epoxy coating: Pro Industrial Pre-Catalyzed Epoxy
   3. Dry mil thickness: 1.4

C. Ferrous Metals, Primed, Water-Based Light Industrial Coating System, 2 Coat:
   1. Touch up with Pro Industrial Pro-Cryl Primer

2. Eggshell: Two coats of epoxy coating: Pro Industrial Pre-Catalyzed Epoxy
3. Dry mil thickness: 1.4

D. Galvanized Metals, Water-Based Light Industrial Coating System, 3 Coat:
1. One Coat Primer: Pro Industrial Pro-Cryl Primer
2. Eggshell: Two coats of epoxy coating: Pro Industrial Pre-Catalyzed Epoxy
3. Dry mil thickness: 1.4

E. Exposed Structure, Piping, Conduit, and Ductwork
1. Water-Based Dry-Fall System:
a. Prime Coat: Dry fall, water based, matching topcoat
1) Pro Industrial Pro-Cryl Primer
b. Intermediate Coat: Dryfall, matching topcoat
c. Topcoat: Dry fall, water based, flat.
1) Pro Industrial Waterborne Acrylic Dryfall.
2) Dry mil thickness: 1.5-2.3

F. Gypsum Board/Plaster, Latex, 3 Coat:
1. One coat of latex primer sealer.
2. Two coats of latex enamel; Promar 200.
a. Sheen: eggshell at walls and flat at ceilings and bulkheads
b. Dry mil thickness: 1.7

2.04 PRIMERS

A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin application of paints and finishes until substrates have been adequately prepared.

B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

D. Test shop-applied primer for compatibility with subsequent cover materials.

E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
1. Gypsum Wallboard: 12 percent.
2. Masonry, Concrete, and Concrete Masonry Units: 12 percent.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Masonry:
1. Remove efflorescence and chalk. Do not coat surfaces if moisture content, alkalinity of surfaces, or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
2. Prepare surface as recommended by top coat manufacturer.

F. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.

G. Galvanized Surfaces:

1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
2. Prepare surface according to SSPC-SP 2.

H. Ferrous Metal:
1. Solvent clean according to SSPC-SP 1.
2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 Commercial Blast Cleaning. Protect from corrosion until coated.

I. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

B. Apply products in accordance with manufacturer's written instructions.

C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

D. Apply each coat to uniform appearance in thicknesses specified by manufacturer.

E. Sand wood and metal surfaces lightly between coats to achieve required finish.

F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

G. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finishes until completion of project.

B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION

SECTION 099300
STAINING AND TRANSPARENT FINISHING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Field application of stains.

B. Field application of transparent finishes.

1.02 REFERENCE STANDARDS

A. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Based Materials; 2020.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and catalog number, and general product category.

C. Samples: Two samples on actual wood substrate to be finished, 12 by 12 inch in size, indicating selected colors and sheens for each system.

1.04 QUALITY ASSURANCE

A. Applicator Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of stain or transparent finish, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Stain and Transparent Finish Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.06 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by manufacturer of stains and transparent finishes.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Provide lighting level of 80 fc measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide finishes from the same manufacturer to the greatest extent possible.
   1. In the event that a single manufacturer cannot provide specified products, minor exceptions will be permitted provided approval by Architect is obtained using the specified procedures for substitutions.

B. Transparent Finishes:
   1. Behr Process Corporation: www.behr.com
   2. PPG Paints: www.ppgpaints.com
   3. Sherwin-Williams Company: www.sherwin-williams.com
   4. Substitutions: See Section 016000 - Product Requirements.

C. Stains:
   1. Behr Process Corporation: www.behr.com

2. PPG Paints: www.ppgpaints.com
3. Sherwin-Williams Company: www.sherwin-williams.com/
4. Substitutions: See Section 016000 - Product Requirements.

2.02 STAINS AND TRANSPARENT FINISHES - GENERAL

A. Finishes:
1. Provide finishes capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
2. Provide materials compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
3. Supply each finish material in quantity required to complete entire project's work from a single production run.
4. Do not reduce, thin, or dilute finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

B. Colors: To be selected from manufacturer's full range of available colors.
1. Selection to be made by Architect after award of contract.

2.03 INTERIOR STAIN AND TRANSPARENT FINISH SYSTEMS (SHERWIN WILLIAMS PRODUCTS ARE USED AS REFERENCE STANDARDS

A. Finish on Wood - Vertical Surfaces:
1. Filler Coat (for open grained wood only)
2. One-coat stain.
3. One-coat sealer.
4. One-coat lacquer.
5. Stain: Semi-transparent stain for wood, solvent based.
a. Products:
1) SW Oil Stain.
6. Sealer: Alkyd, sanding sealer, clear.
a. Products:
1) SW T6-F3.
7. Top Coat: Clear lacquer.
a. Products:
1) Sherwood Moisture Resistant Lacquer, T70 series.
8. Top Coat Sheen:
a. Satin: MPI gloss level 4; use this sheen at all locations.

2.04 ACCESSORY MATERIALS

A. Accessory Materials: Cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of finished surfaces.

B. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin application of stains and finishes until substrates have been properly prepared.

B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.

D. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
1. Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Wood Surfaces to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats. Prime concealed surfaces with gloss varnish reduced 25 percent with thinner.

3.03 APPLICATION

A. Apply products in accordance with manufacturer's written instructions.

B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

C. Apply each coat to uniform appearance in thicknesses specified by manufacturer.

D. Sand wood surfaces lightly between coats to achieve required finish.

E. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

F. Wood to Receive Transparent Finishes: Tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

G. Reinstall items removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finishes until completion of project.

B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION

SECTION 101100
VISUAL DISPLAY UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Porcelain enamel steel markerboards.

1.02 REFERENCE STANDARDS

A. ANSI A135.4 - Basic Hardboard; 2012 (Reaffirmed 2020).

B. ANSI A208.1 - American National Standard for Particleboard; 2022.

C. ASTM A424/A424M - Standard Specification for Steel, Sheet, for Porcelain Enameling; 2018.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's data on chalkboard, porcelain enamel steel markerboard, glass markerboard, tackboard, tackboard surface covering, trim, and accessories.

PART 2 PRODUCTS

2.01 VISUAL DISPLAY UNITS

A. Porcelain Enamel Steel Markerboards:
   1. Manufacturers:
      a. AJW Architectural Products; ____: www.ajw.com/#sle.
      b. Claridge Products and Equipment, Inc; ____: www.claridgeproducts.com/#sle.
      c. Nelson Adams NACO; ____: www.nelsonadamsnaco.com/#sle.
      d. Substitutions: See Section 016000 - Product Requirements.
   2. Color: White.
   3. Steel Face Sheet Thickness: 24 gauge, 0.0239 inch .
   4. Backing: Aluminum foil, laminated to core.
   5. Size: As indicated on drawings.
   6. Frame: Extruded aluminum , with concealed fasteners.
   7. Frame Finish: Anodized, natural.
   8. Accessories: Provide marker tray and map rail.
   9. Products:
      a. Reference Product: LCS 24W-118-F by Claridge.

2.02 MATERIALS

A. Porcelain Enameled Steel Sheet: ASTM A424/A424M, Type I, Commercial Steel, with fired-on vitreous finish.

B. Hardboard for Cores: ANSI A135.4, Class 1 - Tempered, S2S (smooth two sides).

C. Particleboard: ANSI A208.1; wood chips, set with waterproof resin binder, sanded faces.

D. Foil Backing: Aluminum foil sheet, 0.005 inch thick.

E. Adhesives: Type used by manufacturer.

2.03 ACCESSORIES

A. Map Rail: Extruded aluminum, manufacturer's standard profile, with cork insert and runners for accessories; 1 inch wide overall , full width of frame.

B. Marker Tray: Aluminum, manufacturer's standard profile, one piece full length of markerboard, molded ends, concealed fasteners, same finish as frame.

C. Mounting Brackets: Concealed.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that internal wall blocking is ready to receive work and positioning dimensions are as indicated on shop drawings.

3.02 INSTALLATION

A. Install boards in accordance with manufacturer's instructions.

B. Secure units level and plumb.

END OF SECTION

SECTION 101416
PLAQUES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Plaques.

1.02 REFERENCE STANDARDS

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's product literature for each type of plaque sign, indicating style, font, foreground and background colors, locations, and overall dimensions of each sign.

C. Shop Drawings: Indicate dimensions, locations, elevations, materials, text and graphic layout, and attachment details.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Package plaque signs as required to prevent damage before installation.

B. Store under cover and elevated above grade.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Plaques:
1. A.R.K. Ramos: www.arkramos.com.
2. Substitutions: See Section 016000 - Product Requirements.

2.02 PLAQUES

A. Metal Plaques:
1. Material: Aluminum casting.
2. Material Thickness: 1/8 inch, minimum.
3. Size: As indicated on drawings.
4. Image: Official Oklahoma State Seal
5. Surface Finish: Brushed, satin.
6. Background Color: Clear finished aluminum and painted accents per the Oklahoma State standard.
7. Painted Background Color: Light oxide stain.
8. Protective Coating: Manufacturer's standard clear coating.
9. Mounting: Blind studs.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

B. Notify Architect if conditions are not suitable for installation of signs; do not proceed until conditions are satisfactory.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

END OF SECTION

SECTION 101419
DIMENSIONAL LETTER SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Dimensional letter signage.

B. Dimensional logo signage

1.02 REFERENCE STANDARDS

A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.

B. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

C. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's product literature for each type of dimensional letter sign, indicating style, font, colors, locations, and overall dimensions of each sign.

C. Shop Drawings:
   1. Include dimensions, locations, elevations, materials, text and graphic layout, and attachment details.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Package dimensional letter signs as required to prevent damage before installation.

B. Store under cover and elevated above grade.

C. Store tape adhesive at a normal room temperature of 68 to 72 degrees F.

1.06 FIELD CONDITIONS

A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.

B. Maintain minimum ambient temperature during and after installation.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

A. Accessibility Requirements: Comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most restrictive requirements.

2.02 DIMENSIONAL LETTERS AND LOGO - REFER TO DRAWINGS

A. Metal Letters and Logo: Refer to Drawings
   1. Image: A digital file of the logo and lettering will be provided by the Architect

2.03 ACCESSORIES

A. Concealed Screws: Noncorroding metal; stainless steel or other.

B. Tape Adhesive: Double-sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install with horizontal edges level.

C. Locate dimensional letter signs and mount at heights indicated on drawings and in accordance with ADA Standards and ICC A117.1.

END OF SECTION

SECTION 101470
SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Panel signage.

B. Vinyl Graphics

1.02 REFERENCE STANDARDS

A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

B. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's product literature for each type of panel sign, indicating styles, font, foreground and background colors, locations, and overall dimensions of each sign.

C. Shop Drawings:
   1. Include dimensions, locations, elevations, materials, text and graphic layout, attachment details, and schedules.

D. Manufacturer's qualification statement.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Package signs as required to prevent damage before installation.

B. Store tape adhesive at normal room temperature.

1.06 FIELD CONDITIONS

A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.

B. Maintain minimum ambient temperature during and after installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

2.02 REGULATORY REQUIREMENTS

A. Accessibility Requirements: Comply with ADA Standards and ICC A117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most restrictive requirements.

2.03 PANEL SIGNAGE

A. Interior Panel Signage: Base Specification - Best Sign Systems, Style: Lucent
   1. Application: Room signs.
   2. Refer to Sign Schedule
   3. Total Thickness: ____ inch.
   4. Sign Edges: Squared.
   5. Letter Edges: Squared.
   6. Corners: Squared.
   7. Material: clear acrylic with background color, matte finish
   8. Braille: Grade II, ADA-compliant.
   9. Graphics: Provide International Symbols of accessible toilets
   10. Mounting: Tape adhesive

B. Interior Metal Panel Signage
   1. Application: Donor Recognition
   2. Refer to Sign Schedule
   3. Description:
      a. 1/4" aluminum plate in "pioneer red" on 2" standoffs mounted to galvanized metal panel wall.
      b. top face of stand-off to be 1"x1" diamond shape in galvanized metal
      c. 1/2" aluminum plate letters, galvanized color mounted to painted aluminum plate. font: roffe. final donor name to be provided by owner

C. Handicapped Parking Sign
   1. Material: Screen printed copy on engineer grade reflective vinyl sheeting on 0.8 inch aluminim backing
   2. Size: 12 inch by 18 inch
   3. Graphic: 'HANDICAPPED PARKING' with International symbol for accessibility
   4. Color: Manufacturer's standard
   5. Mounting: Attach to galvanized 'u' channel post with galvanized steel crariage bolts. Mount 60 inches above the paving to the bottom of th sign

2.04 VINYL LETTERING AND LOGO SIGNS

A. Letter Signs: Provide signs made of individual letters made of cut vinyl graphic film applied directly to mounting surface (glass).
   1. All lettering must be computer cut from professional quality artwork. No hand cut vinyl film shall be installed.
   2. Signs shall be cut from sufficiently large rolls of material to minimize seams or joining of material to create one sign.
   3. Signs shall be provided in the sizes & quantities indicated on the shop drawings.

B. Logo Signs: Provide sign made of as many large pieces as possible. Seam edges to look as though they are a uniform, single sheet
   1. All graphics must be computer cut from professional quality artwork. No hand cut vinyl film shall be installed.
   2. Signs shall be cut from sufficiently large rolls of material to minimize seams or joining of material to create one sign.
   3. Signs shall be provided in the sizes & quantities indicated on the shop drawings.

C. Material & Colors:
   1. Opaque: To be constructed of high performance cast vinyl graphic film products such as 3M Scotchcal or equal with a 5 year or greater warranty.
   2. Colors: Refer to plans

D. Installation Method:
   1. Signs shall be installed free of bubbles, wrinkles or other anomalies.
   2. Provide signs as either front applied (first surface) or reverse applied (second surface) as required.

2.05 EXTERIOR SIGNAGE

A. Steel Plate Letters
   1. Application: entrance sign
   2. Refer to Sign Schedule
   3. Description:
      a. 1/2" thick steel letters powder coated "pioneer red" and welded to 6"x3" steel tube.
      b. Font: Arial Black

B. Backlit Channel Letters
   1. Application: Donor Recognition
   2. Refer to Sign Schedule
   3. Description:

a. prefinished backlit individual aluminum letters painted "pioneer red"
b. projection mount to building on standoffs
c. provide power as required.

2.06 ACCESSORIES

A. Concealed Screws: Noncorroding metal; stainless steel, galvanized steel, chrome plated, or other.

B. Exposed Screws: Stainless steel.

C. Tape Adhesive: Double-sided tape, permanent adhesive.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

B. Notify Architect if conditions are not suitable for installation of signs; do not proceed until conditions are satisfactory.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install with horizontal edges level.

C. Locate panel signs and mount at heights indicated on drawings and in accordance with ADA Standards and ICC A117.1.

3.03 SCHEDULE

A. Refer to Drawings

END OF SECTION

SECTION 102116
TOILET COMPARTMENTS - SCRANTON PRODUCTS: HINY HIDERS HDPE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Solid plastic toilet compartments including the following: (Hiny Hiders)
   1. Floor mounted overhead-braced toilet compartments.
   2. Privacy screens.

RELATED SECTIONS

A. Section 06100 - Rough Carpentry: Anchorage/blocking for attachment of partitions.

REFERENCES

A. ASTM A 666 - Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.

B. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

C. National Fire Protection Association (NFPA) 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.

D. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings: Provide layout drawings and installation details with location and type of hardware required.

QUALITY ASSURANCE

A. Manufacturer Qualifications: A company regularly engaged in manufacture of products specified in this section, and whose products have been in satisfactory use under similar service conditions for not less than 5 years.

B. Installer Qualifications: A company regularly engaged in installation of products specified in this Section, with a minimum of 5 years experience.

C. Materials: Doors, panels and pilasters shall be constructed from High Density Polyethylene (HDPE) resins. Partitions shall be fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof, nonabsorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing instruments. All plastic components shall be covered with a protective plastic masking.

D. Performance Requirements:
   1. Fire Resistance: Partition materials shall comply with the following requirements, when tested in accordance with the ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials:
      a. Class A flame spread/smoke developed rating, tested to ASTM E84.
      b. Class B flame spread/smoke developed rating, tested to ASTM E84.
   2. Material Fire Ratings:
      a. National Fire Protection Association (NFPA) 286: Pass.
      b. International Code Council (ICC): Class B.

DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

WARRANTY

A. Manufacturer guarantees its plastic against breakage, corrosion, and delamination under normal conditions for 25 years from the date of receipt by the customer. If materials are found to be defective during that period for reasons listed above, the materials will be replaced free of charge. (Labor not included in warranty.)

PART 2 PRODUCTS

9.01 MANUFACTURERS

A. Acceptable Manufacturer: Scranton Products, which is located at: 801 E. Corey St. ; Scranton, PA 18507; Toll Free Tel: 800-445-5148; Email: request info (info@scrantonproducts.com); Web: www.scrantonproducts.com

MATERIAL

A. Plastic Panels: High density polyethylene (HDPE) suitable for exposed applications, waterproof, non-absorbent, and graffiti-resistant textured surface;

B. Zinc Aluminum Magnesium and Copper Alloy (Zamac): ASTM B 86.

C. Stainless Steel Castings: ASTM A167, Type 304.

D. Aluminum: ASTM 6463-T5 alloy.

SOLID PLASTIC TOILET COMPARTMENTS

A. Basis of Design: Hiny Hiders Toilet Partitions as manufactured by and supplied by Scranton Products.
   1. Style: Floor mounted overhead-braced toilet compartments.

B. Doors, panels, and pilasters shall be 1 inch (25 mm) thick with all edges rounded to a radius. Doors and dividing panels shall be mounted based on height of specified system.
   1. Door and Panel Height: 55 inches standard (1397 mm) (standard).

C. Panel Color: Traditional Series
   1. Midnight - Orange Peel

D. Pilaster shoes shall be 3 inches (76 mm) high stainless steel (type 304, 20 gauge) secured to the pilaster with a stainless steel tamper resistant Torx head sex bolt.

E. Wall Brackets:
   1. Stainless Steel Brackets: Wall brackets shall be made of stainless steel type 304.
      a. The brackets are fastened to the pilaster with stainless steel tamper resistant Torx head screws and fastened to the panels with stainless steel tamper resistant Torx head sex bolts.
   2. Bracket Type: Continuous 54 inches (1372 mm) stainless steel.

F. Door Hardware:
   1. Hinges: 54 inches (1372 mm) continuous stainless steel spring loaded.
   2. Door Hardware: 54" zero sight continuous strike
   3. Provide pencil slot
   4. Each door shall be supplied with one coat hook/bumper and door pull made of chrome plated Zamak.

SOLID PLASTIC PRIVACY SCREENS

A. Provide plastic privacy screens in urinal and entry toilet room applications as indicated or scheduled.

B. Panels, and pilasters, if required, shall be 1 inch (25 mm) thick with all edges rounded to a radius. Screens shall be mounted at 14 inches (356 mm) above the finished floor. Color to match toilet partitions

PART 3 GENERAL

13.01 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Examine areas to receive toilet partitions, screens, and shower compartments for correct height and spacing of anchorage/blocking and plumbing fixtures that affect installation of partitions. Report discrepancies to the architect.

INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install partitions rigid, straight, plumb, and level manor, with plastic laid out as shown on shop drawings.

C. Clearance at vertical edges of doors shall be uniform top to bottom and shall not exceed 3/8 inch (9.5 mm).

D. No evidence of cutting, drilling, and/or patching shall be visible on the finished work.

E. Finished surfaces shall be cleaned after installation and be left free of imperfections.

PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 102800
TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Commercial toilet accessories.

B. Diaper changing stations.

C. Utility room/Janitor closet accessories.

1.02 REFERENCE STANDARDS

A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

B. ASTM C1036 - Standard Specification for Flat Glass; 2021.

C. ASTM F2285 - Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use; 2022.

D. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Commercial Toilet, Shower, and Bath Accessories:
   1. AJW Architectural Products: www.ajw.com
   2. American Specialties, Inc: www.americanspecialties.com
   3. Bradley Corporation: www.bradleycorp.com
   4. Substitutions: Section 016000 - Product Requirements.

B. Diaper Changing Stations:
   1. American Specialties, Inc: www.americanspecialties.com
   2. Base Specs: Bradley Corporation: www.bradleycorp.com
   3. Koala Kare Products: www.koalabear.com
   4. Substitutions: 016000 - Product Requirements.

2.02 COMMERCIAL TOILET ACCESSORIES

A. Reference Standard: Bradley Corporation

B. Diaper Changing Station: Surface mounted, high density plastic, ADA compliant, integrated liner dispenser
   1. Color: Light Gray
   2. Products: Bradley 9631

C. Toilet Paper Dispenser: Double roll, surface mounted, for coreless type rolls.

D. Paper Towel Dispenser: Folded paper type, stainless steel, semi-recessed, with viewing slots on sides as refill indicator and tumbler lock.
   1. Capacity: 300 C-fold minimum.

E. Soap Dispenser: Liquid soap dispenser, wall-mounted, surface, with stainless steel cover and horizontal stainless steel tank and working parts; push type soap valve, check valve, and window gauge refill indicator, tumbler lock.

F. Mirrors: Stainless steel framed, 1/4 inch thick annealed float glass; ASTM C1036.

G. Grab Bars: Stainless steel, textured surface.
   1. Standard Duty Grab Bars:

a. Push/Pull Point Load: 250 pound-force, minimum.
b. Dimensions: 1-1/4 inch outside diameter, minimum 0.05 inch wall thickness, concealed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
c. Finish: Satin.
d. Length and Configuration: As indicated on drawings.
e. Products: Bradley 832-2

H. Coat Hook: Single-prong, surface mounted, concealed fasteners, polished chrome finish, heavy-duty
1. Products:
a. Bradley: 9119

2.03 COMMERCIAL SHOWER AND BATH ACCESSORIES

A. Shower Curtain Rod: Stainless steel tube, 1 inch outside diameter, 0.04 inch wall thickness, satin-finished, with 3 inch outside diameter, minimum 0.04 inch thick satin-finished stainless steel flanges, for installation with exposed fasteners.

B. Shower Curtain:

C. Folding Shower Seat: Wall-mounted surface; welded tubular seat frame, structural support members, swing-down legs, hinges, and mechanical fasteners of Type 304 stainless steel, L-shaped, right hand seat.

D. Robe Hook: Heavy-duty stainless steel, single-prong, rectangular-shaped bracket and backplate for concealed attachment, satin finish.

2.04 UTILITY ROOM ACCESSORIES

A. Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, hat-shaped channel.
1. Holders: Three spring-loaded rubber cam holders.
2. Length: 36 inches.
3. Products: Bradley 9984-00, stainless steel

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify exact location of accessories for installation.

3.02 INSTALLATION

A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.

B. Install plumb and level, securely and rigidly anchored to substrate.

C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.
1. Grab Bars: As indicated on drawings.
2. Other Accessories: As indicated on drawings.

3.03 PROTECTION

A. Protect installed accessories from damage due to subsequent construction operations.

3.04 SCHEDULE - REFER TO PLANS

END OF SECTION

SECTION 104400
FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fire extinguishers.

B. Fire extinguisher cabinets.

1.02 REFERENCE STANDARDS

A. ASTM E814 - Standard Test Method for Fire Tests of Penetration Firestop Systems; 2013a (Reapproved 2017).

B. FM (AG) - FM Approval Guide; current edition.

C. NFPA 10 - Standard for Portable Fire Extinguishers; 2022.

D. UL (DIR) - Online Certifications Directory; Current Edition.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide extinguisher operational features.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Fire Extinguishers:
   1. Activar Construction Products Group, Inc. - JL Industries: www.activarcpg.com
   2. Guardian Fire Equipment, Inc.: www.guardianfire.com
   3. Larsens Manufacturing Co: www.larsenmfg.com
   4. Potter-Roemer: www.potterroemer.com
   5. Substitutions: See Section 016000 - Product Requirements.

B. Fire Extinguisher Cabinets and Accessories:
   1. Same as Fire Extinguishers

2.02 FIRE EXTINGUISHERS

A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
   1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.

B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
   1. Class: A:B:C type.
   2. Size: 5 pound.
   3. Classification: 3A:40B:C
   4. Finish: Baked polyester powder coat, red color.

2.03 FIRE EXTINGUISHER CABINETS

A. Fire Rating: Listed and labeled in accordance with ASTM E814 requirements for fire resistance rating of walls where being installed.

B. Cabinet Construction: Non-fire rated.
   1. Formed primed steel sheet; 0.036 inch thick base metal.

C. Fire Rated Cabinet Construction: Maintain wall's specified fire rating.

D. Cabinet Configuration: Semi-recessed type.
   1. Size to accommodate accessories.
   2. Trim: Flat rolled edge, with 1 1/2 inch wide face.

E. Door: 0.036 inch metal thickness, reinforced for flatness and rigidity with nylon catch. Hinge doors for 180 degree opening with two butt hinges.

F. Door Glazing: Acrylic plastic, clear, 1/8 inch thick, flat shape and set in resilient channel glazing gasket.

G. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.

H. Finish of Cabinet Interior: White colored enamel.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install cabinets plumb and level in wall openings, 36 inches from finished floor to inside bottom of cabinet.

C. Secure rigidly in place.

D. Place extinguishers in cabinets.

END OF SECTION

SECTION 107500
FLAGPOLES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Aluminum Flagpoles.

1.02 REFERENCE STANDARDS

A. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.

B. ASTM B241/B241M - Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube; 2022.

C. NAAMM FP 1001 - Guide Specifications for Design Loads of Metal Flagpoles; 2007.

1.03 SUBMITTALS

A. Product Data: Provide data on pole, accessories, and configurations.

B. Shop Drawings: Indicate detailed dimensions, base details, anchor requirements, and imposed loads.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Spiral wrap flagpole with protective covering and pack in protective shipping tubes or containers.

B. Protect flagpole and accessories from damage or moisture.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Source Limitations: Obtain flagpoles as complete units, including fittings, accessories, bases, and anchorage devices from a single source and single manufacturer

B. Flagpoles:
   1. Concord American Flagpole: www.concordamericanflagpole.com
   2. Morgan-Francis Flagpoles & Accessories: www.morgan-francis.com
   3. Pole-Tech Co, Inc: www.poletech.com
   4. Substitutions: See Section 016000 - Product Requirements.

2.02 FLAGPOLES

A. Flagpoles: Designed in accordance with NAAMM FP 1001
   1. Material: Aluminum.
   2. Design: Cone tapered.
   3. Mounting: Ground mounted type.
   4. Nominal Height: 25; measured from nominal ground elevation.
   5. Halyard: Internal type, manual winch operation.

B. Performance Requirements:
   1. Structural Performance: Flagpole assemblies, including anchorages and supports shall withstand design loads indicated with ilimits and under conditions indicated
      a. Design Flag Size: 5 feet x 8 feet
   2. Wind Pressure Loading on Flagpole with Flag: Resistant without permanent deformation to 90 miles/hr wind speed, in accordance with NAAMM FP 1001; the factor of safety used is 2.5.

2.03 POLE MATERIALS

A. Aluminum: ASTM B241/B241M , 6063 alloy , T6 temper.

2.04 ACCESSORIES

A. Finial Ball: Aluminum, 6 inch diameter.

B. Internal Halyard, Cam Cleat System: 5/16 inch diameter, braided polypropylene halyard; cam cleat; and cast aluminum, concealed revolving truck assembly with sealed, stainless stelel bearings; and plastic coated counterweight and sling. Furnish flush access door secured with cylindrical lock. Finish truck assembly to matchc flagpole.
   1. Halyard Flag Snaps: Stainless steel swivel snap hooks with neoprene or vinyl covers. Funish two per halyard.

C. Spun Aluminum flash collar, sloped to drain

2.05 MOUNTING COMPONENTS

A. Foundation Tube Sleeve: Manufacturer's standard corrugated steel foundation tube, 0.060 inch wall thickness with 3/16 inch steel bottom plate and support plate; 3/4 inch diameter, steel ground spike; and steel centering wedges welded together. Galvanize foundation tube assembly. Furnish loose hardwood wedges at top of foundation tube for plumbing pole.

2.06 MISCELLANEOUS MATERIALS

A. Drainage Material: Crushed stone, or uncrushed gravel; coarse aggregate

B. Sand: ASTM C33, fine aggregate

C. Elastomeric Joint Sealant: Single component, nonsag urethane joint sealant

D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187

2.07 FINISHING

A. Metal Surfaces in Contact With Concrete: Asphaltic paint.

B. Concealed Steel Surfaces: Galvanized to ASTM A123/A123M requirements.

C. Aluminum: Natural Satin Finish: AA-M32, fine, directional, medium satin polish; buff complyinig with AA-M20; seal aluminum surfaces with clear, hard-coat wax..

D. Finial: Gold anodized finish.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that concrete foundation is ready to receive work and dimensions are as indicated on shop drawings.

3.02 PREPARATION

A. Coat metal sleeve surfaces below grade and surfaces in contact with dissimilar materials with asphaltic paint.

3.03 INSTALLATION

A. Install flagpole , base assembly, and fittings in accordance with manufacturer's instructions.

B. Prepare uncoated metal flagpoles that are set in foundation tubes by painting belowgrade portions with a heavy coat of bituminous paint

C. Foundation Excavation: Excavate to neat clean lines in undisturbed soil. Remove loose soil and fioreign matter from excavation and moisten earth before placing concrete Place and compact drainage material at excavation bottom

D. Foundation Tube: Place foundation tube, center, and brace to prevent displacement during concreting. Place concrete. Plumb and level foundation tube and allow concrete to cure.

E. Place concrete. Compact in place by using viprators. Moist cureexposed concrete for no fewer than seven days

F. Trowel exposed concrete surfaces to a smooth dense finish, free of trowel marks, and uniform in texture and appearance. Provide positive slope for water runoff to perimeter of concrete base.

G. Flagpole installation: Install flagpole according to Shop Drawings and manufacturer's written instructions.

H. Foundation Tube: Place flagpole in tube, seated on bottom plate between steel centering wedges, and install hardwood wedges to secure flagpole in space. Place and compact sand in foundation tube and remove hardwood wedges. Seal top of foundatin tube with a 2 inch layer of elastomeric joint sealant and cover with flashing collar.

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1 inch.

3.05 ADJUSTING

A. Adjust operating devices so that halyard functions smoothly.

END OF SECTION

SECTION 114000
FOODSERVICE EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Foodservice equipment.

B. Connections to utilities.

1.02 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

B. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.

C. FM (AG) - FM Approval Guide; current edition.

D. ITS (DIR) - Directory of Listed Products; Current Edition.

E. UL (DIR) - Online Certifications Directory; Current Edition.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on appliances; indicate configuration, sizes, materials, finishes, locations, and utility service connection locations, service characteristics, and wiring diagrams.

C. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention, and _____.

D. Certificates: Certify that products of this section meet or exceed specified requirements.

E. Operation Data: Provide operating data for the specified equipment and _____.

F. Maintenance Data: Provide lubrication and periodic maintenance requirement schedules and _____.

G. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacture of standard products of the type specified.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Store products clear of floor in a manner to prevent damage.

B. Coordinate size of access and route to place of installation.

1.06 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Provide five year manufacturer warranty for replacement or repair of scheduled equipment, refrigerant and compressors, including disconnection and removal of defective unit, and connection of replacement unit.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Foodservice Equipment:
   1. Refer to Foodservice Equipment Schedule
   2. Substitutions: See Section 016000 - Product Requirements.

2.02 REGULATORY REQUIREMENTS

A. Comply with applicable codes for utility requirements.

B. Products Requiring Electrical Connection: Listed and classified by FM (AG), ITS (DIR), UL (DIR), or testing agency acceptable to local authorities having jurisdiction as suitable for the purpose specified and indicated.

2.03 EQUIPMENT

A. Equipment Schedule: Refer to schedule.
   1. Comply with NSF.

B. Installation Accessories: Provide rough-in hardware, supports and connections, attachment devices, closure trim, and accessories as required for complete installation.

2.04 MATERIALS

A. Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.

B. Stainless Steel Sheet: ASTM A666 Type 304 commercial grade, No. 4 finish.

C. Finish Hardware: Manufacturer's standard.

2.05 FABRICATION

A. Install rubber button feet on bearing surface of any item positioned on a finished surface.

B. Isolate rotating or reciprocating machinery to prevent noise and vibration.

C. Provide indirect drain piping from equipment to terminate over nearest waste receptor.

D. Accommodate site installation of other services or equipment.

2.06 FINISHES

A. Components: Shop finish.

B. Stainless Steel: No. 4 finish.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify ventilation outlets, service connections, and supports are correct and in required location.

B. Verify that electric power is available and of the correct characteristics.

3.02 INSTALLATION

A. Install items in accordance with manufacturers' instructions.

B. Insulate to prevent electrolysis between dissimilar metals.

C. Weld and grind joints in steel work tight, without open seams, where necessary due to limitations of sheet sizes or installation requirements.

D. Sequence installation and erection to ensure correct mechanical and electrical utility connections are achieved.

E. Use anchoring devices appropriate for equipment and expected usage.

3.03 ADJUSTING

A. Adjust equipment and apparatus to ensure proper working order and conditions.

B. Remove and replace equipment creating excessive noise or vibration.

3.04 CLEANING

A. Remove masking or protective covering from stainless steel and other finished surfaces.

B. Wash and clean equipment.

C. Polish glass, plastic, hardware, accessories, fixtures, and fittings.

3.05 PROTECTION

A. Remove protective coverings from prefinished work.

B. Protect finished work from damage.

END OF SECTION

SECTION 115213
PROJECTION SCREENS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Front projection screen assemblies.

1.02 RELATED REQUIREMENTS

A. Section 260583 - Wiring Connections: Electrical supply, conduit, and wiring for electric motor operated projection screens.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's catalog cuts and descriptive information on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings: For custom installations, indicate dimensions, verified field measurements, mounting details, and interface with adjacent construction.

D. Manufacturer's Qualification Statement.

E. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver projection screens to project site in manufacturer's original unopened packaging, and inspect for damage and proper size before accepting delivery.

B. Store in a protected, clean, dry area with temperature maintained above 50 degrees F, and stack in accordance with manufacturer's recommendations.

C. Acclimate screens to building temperatures for 24 hours prior to installation, in accordance with manufacturer's recommendations.

1.06 FIELD CONDITIONS

A. Maintain interior of building between 60 degrees F and 75 degrees F during and after installation of projection screens.

1.07 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Provide 5 year manufacturer warranty for projection screen assembly.

PART 2 PRODUCTS

2.01 FRONT PROJECTION SCREENS

A. Manufacturers:
   1. Da-Lite Screen Company: www.da-lite.com/#sle.
   2. Draper, Inc (Motorized); Access Series: www.draperinc.com/#sle.
   3. Substitutions: See Section 016000 - Product Requirements.

B. Front Projection Screens: Factory assembled unless otherwise indicated.
   1. Size of Viewing Surface: 72 1/2 inches by 116 inches

C. Matte Light Diffusing Fabric: Light diffusing screen fabric; washable, flame retardant and mildew resistant.

D. Masking Borders: Black, on four sides.

E. Extra Drops: Black; 11 inch wide.

F. Concealed-in-Ceiling Screen Cases: Steel, with integral roller brackets.
   1. Door Slat: Self trim; self-closing and -opening.
   2. Case Finish: Baked enamel.
   3. Case Color: White.
   4. End Caps: Steel; finished to match case.

G. Electrically-Operated Screens:
   1. Roller: Steel, 2 inch in diameter, with locking device.
   2. Vertical Tensioning: Screen fabric weighted at bottom with steel bar and plastic end caps.
   3. Horizontal Tensioning: Tab-guided cable system.

H. Provide mounting hardware, brackets, supports, fasteners, and other mounting accessories required for a complete installation, in accordance with manufacturer's recommendations for specified substrates and mountings.

2.02 ELECTRICAL COMPONENTS

A. Electrical Components: Listed and classified by UL as suitable for the purpose specified and indicated.

B. Motors: Direct drive, 110 V, 60 Hz.
   1. Screen Motor: Mounted inside roller; three wire with ground; quick reverse type and lifetime lubricated; equipped with thermal overload cut-off, internal junction box, electric brake, and pre-set accessible limit switches.
      a. Electrical Characteristics: 1.2 amps.
      b. Motor mounted on sound absorber.

C. Controls: Three (3) position control switch with plate.
   1. Provide one control stations to screen, with internal override to prevent more than one signal reaching the screen.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate is finished and ready to accept screen installation.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

C. Verify that openings for recessed screens are correctly sized.

D. Verify type and location of electrical connections.

E. Do not install projection screens until climate control systems are in place and interior painting and other finishes are completed.

3.02 PREPARATION

A. Coordinate screen installation with installation of projection systems.

B. Coordinate installation with adjacent construction and fixtures, including ceilings, walls, lighting, fire suppression, and registers and grilles.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions, using manufacturer's recommended hardware for relevant substrates.

B. Do not field cut screens.

C. Install screens in mountings as specified and as indicated on drawings.

D. Install plumb and level.

E. Install electrically operated screens ready for connection to power and control systems by others.

F. Adjust projection screens and related hardware in accordance with manufacturer's instructions for proper placement and operation.

G. Test electrical screens for proper working condition. Adjust as needed.

3.04 PROTECTION

A. Protect installed products until completion of project.

B. Touch up, repair, or replace damaged products before Date of Substantial Completion.

END OF SECTION

SECTION 116143
STAGE CURTAINS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Stage curtain fabrics.

B. Stage curtain track support systems.

1.02 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

B. FM (AG) - FM Approval Guide; current edition.

C. ITS (DIR) - Directory of Listed Products; Current Edition.

D. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

E. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films; 2023, with Errata.

F. UL (DIR) - Online Certifications Directory; Current Edition.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide for each type of product as follows:
   1. Stage Curtains: Provide information on type of curtain, weight, location for use on project, and type of flame retardancy.

C. Shop Drawings: Indicate installation information for components not dimensioned or detailed in product data.

D. Selection Samples: Submit color chart for each type of stage curtain indicated that includes full range of colors, textures, and patterns available, along with 12-inch square fabric sample, in any color, of each fabric type and seam.

1.04 QUALITY ASSURANCE

A. Designer Qualifications: Perform design of track support system under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.

B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

C. Installer Qualifications: Company specializing in performing work of the type specified and with minimum five years of documented experience.

1.05 FIELD CONDITIONS

A. Ambient Conditions: Do not install stage curtains until spaces are fully enclosed and watertight, and the following:
   1. Wet work in adjacent areas is complete and surfaces are dry.
   2. Work at and above ceiling level has been completed.
   3. Ambient temperatures and humidity of adjacent areas are maintained at levels when occupied for intended use.

B. Field Measurements: Confirm supporting structural element locations and adjacent construction for stage curtains and rigging, and complete field measurements prior to fabrication and include these dimensions on shop drawings.

1.06 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Correct defective Work within a two year period after Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Stage Curtain Fabrics :
   1. Capitol Stage Equipment (405) 524-9552.
   2. Associated Theatrical Contractors (417) 862-4725\
   3. Omaha Sage Equipment (402) 345-4427
   4. Substitutions: See Section 016000 - Product Requirements.

B. Stage Curtain Track Systems:
   1. H & H Specialties Inc (800) 221-9995 is used as reference standard360.
   2. Substitutions: See Section 016000 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

A. Stage Curtain Systems Design: Engage qualified designer to develop design of stage curtain system, including comprehensive project specific analysis of necessary structural system attachments in compliance with performance requirements.

B. Structural Performance: Ensure attachment of stage curtain system to structure withstands material weight and operational loads applicable for this project and in compliance with local building codes and authorities having jurisdiction.
   1. Design Loads: Weight of stage curtains and track system.

C. Fire-Test Characteristics: Stage curtain fabrics in compliance with NFPA 701 flame propagation fire test requirements conducted by authorized testing agency, listed by UL (DIR), ITS (DIR), or FM (AG) and acceptable to authorities having jurisdiction.
   1. Permanently attach label to fabric of each curtain assembly indicating fabric treatment as follows:

D. Electrical Components: Devices that are listed and labeled in compliance with NFPA 70, by a qualified testing agency, and marked for designated application.

2.03 STAGE CURTAIN FABRICS

A. Provide curtains of matching fabric and color from single dye lot, and when size and quantity of curtains exceeds maximum dye lot size, provide curtain or adjacent pair of curtains from only one dye lot, and arrange curtain dye lots to minimize exposure of any differences.

B. Type F - Cotton Velour: Weighing at least 21 oz/linear yd, napped fabric of 100 percent cotton with minimum pile height of 75 mil, 0.075 inch and minimum width of 54 inches.
   1. Application: Main Traveler and Main Valance curtains.
   2. Color: As selected by Architect from manufacturer's full range.
   3. Texture: As selected by Architect from manufacturer's full range.
   4. Pattern: As selected by Architect from manufacturer's full range.

2.04 CURTAIN TRACK

A. Steel Track: Commercial quality, roll-formed, galvanized steel sheet, ASTM A653/A653M, with G60 coating designation; with continuous bottom slot and each half of track in single continuous piece; black paint finish; including support and operation accessories.
   1. Thickness: As recommended by manufacturer for curtain loads and operation.
      a. Heavy-Duty: 14-gauge, 0.0747-inch minimum thickness.
      b. Medium-Duty: 16-gauge, 0.0598-inch minimum thickness.
   2. Products:
      a. Fred Krieger & Company; 100 Straight Track, Heavy-Duty: www.fredkriegerfabrics.com/#sle.
      b. Substitutions: See Section 016000 - Product Requirements.

B. Curtain Rails: Provide single or double curtain capacity as indicated on drawings, and end stops.

C. Clamp and Bracket Hangers: Steel clamps and brackets of required strength to support loads for attaching track to overhead support.

D. Track-Lap Clamp: Clamp that matches track channel finish as necessary for attaching two tracks at center overlap.

E. Folding Guide: Carriers, as indicated on drawings, with rear-fold or backpack guide and rubber spacers to fold curtain from offstage end of curtain; size for use with operating line as required.

F. Operation:
   1. Manual Cord Operation: Curtain track with cord, pulleys, and floor pulley; must manually open and close the curtain.
      a. Operating Line: 3/8-inch diameter, stretch-resistant operating cord with braided synthetic-fiber cover over solid, synthetic-fiber, linear filaments.
      b. End Pulleys: One single dead-end and one double live-end pulley, with sheaves having shielded ball bearings housed in plated-steel covers that match track finish, and provide with bracket for securing off-stage end of curtain.
      c. Floor Pulleys: Sheave, adjustable type with 3-inch (76 mm) diameter wheels, and having shielded ball bearings housed in plated-steel covers, painted black.

G. Track System: Provide heavy-duty curtain track with components as recommended by manufacturer for loads and operation, including track end stops.
   1. Carriers: Standard plated-steel carriers with a pair of nylon tired ball-bearing wheels riveted parallel to body, and equip carriers with rubber or neoprene bumpers to reduce noise and plated-steel swivel eye and trim chain for attaching curtain snap or S-hook, and required number of curtain carriers for track length and curtain fabrication.
      a. Master Curtain Carriers: One plated-steel master carrier for each leading curtain edge, with two pairs of nylon tired ball-bearing wheels and with two line guides per carrier.
   2. Pulleys: One dead-end, single-wheel pulley; one live-end, double-wheel pulley; and one adjustable pulley to maintain proper tension on operating line; each with molded-nylon-tired ball-bearing sheaves enclosed in steel housings; pulleys with steel housing finished to match track and with bracket for securing off-stage end of curtain.

PART 3 EXECUTION

3.01 INSTALLATION, GENERAL

A. Install stage curtain assembly in accordance with curtain and track manufacturers written instructions.

3.02 INSTALLATION - CURTAIN

A. Track Hung: Secure curtains to track carriers with S-hooks.

3.03 INSTALLATION - TRACK

A. Mounting of Track Assembly:
   1. Ceiling Mounted: Provide ceiling supports for mounting track direct to ceiling structure and within intervals indicated in manufacturer's written instructions for on center spacing.
   2. Beam Mounted: Install track by suspending from beam clamps securely mounted to structural I-beam and within intervals indicated in manufacturer's written instructions for on center spacing.

B. Track Support Spacing: Comply with manufacturer's recommendations for applied loads, and not to exceed the following dimensions between track supports:
   1. Heavy-Duty Track: 6 feet, maximum.
   2. Medium-Duty Track: 4 feet, maximum.

C. Install track for center-parting curtains with at least 24-inch overlap of track sections at center-line, and supported with track lap clamps.

3.04 CLOSEOUT ACTIVITIES

3.05 PROTECTION

A. Protect installed stage curtain assembly from subsequent construction operations until Date of Substantial Completion.

END OF SECTION

SECTION 116623
GYMNASIUM EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Basketball backboards, goals, and support framing.

B. Floor sleeves for net and goal posts.

C. Wall mounted protection pads.

D. Volleyball nets and posts.

1.02 REFERENCE STANDARDS

A. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2022).

B. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's data showing configuration, sizes, materials, finishes, hardware, and accessories; include:
   1. Electrical characteristics and connection locations.
   2. Fire rating certifications.
   3. Manufacturer's installation instructions.

C. Shop Drawings: For custom fabricated equipment indicate, in large scale detail, construction methods; method of attachment or installation; type and gauge of metal, hardware, and fittings; plan front elevation; elevations and dimensions; minimum one cross section; utility requirements as to types, sizes, and locations.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to project site in manufacturer's original packaging with factory original labels attached.

B. Store products indoors and elevated above floor; prevent warping, twisting, or sagging.

C. Store products in accordance with manufacturer's instructions; protect from extremes of weather, temperature, moisture, and other damage.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Gymnasium Equipment:
   1. Draper, Inc; _____: www.draperinc.com/#sle.
   2. Performance Sports Systems; _____: www.perfsports.com/#sle.
   3. Porter Athletic Equipment Company; _____: www.porterathletic.com/#sle.
   4. Spalding Equipment .
   5. Substitutions: See Section 016000 - Product Requirements.

2.02 GENERAL REQUIREMENTS

A. See drawings for sizes and locations, unless noted otherwise.

B. Provide mounting plates, brackets, and anchors of sufficient size and strength to securely attach equipment to building structure; comply with requirements of Contract Documents.

C. Hardware: Heavy duty steel hardware, as recommended by manufacturer.

D. Electrical Wiring and Components: Comply with NFPA 70; provide UL-listed equipment.

E. Structural Steel Fabrications: Welded in accordance with AWS D1.1/D1.1M, using certified welders.

2.03 BASKETBALL

A. Basketball System: Backstop assembly, backboard, and goal.

B. Ceiling-Suspended, Adjustable height, Wall Braced Backstop Assemblies: Capable of mounting both rectangular and fan-shaped backboards.
   1. Framing: Center strut; stationary wall braced framing. (4 required)
   2. Framing Color: Manufacturer's standard.
   3. Manufacturers:
      a. Draper, Inc; _____: www.draperinc.com/#sle.
      b. IPI by Bison, Inc; IP1360FF Forward Fold, Front Braced: www.ipibybison.com/#sle.
      c. Porter 900 series, center strut, ceiling suspended, wall braced, adjustable height backstop is used as reference standard.
      d. Substitutions: See Section 016000 - Product Requirements.

C. Backboards: Tempered glass, rectangular shaped.
   1. Frame: Brushed aluminum edge, steel mounting.
   2. Markings: Painted.
   3. Color: Manufacturer's standard.

D. Goals: Steel rim, mounted to backboard, with attached nylon net; complete with mounting hardware.
   1. Net Attachment Device: Tube-tie.
   2. Finish: Powder coat orange.

2.04 FLOOR-MOUNTED EQUIPMENT

A. Volley Ball Nets and Posts: One court system of adjustable posts, net, and tensioning winch meeting requirements for FIVB, USA Volleyball, NCAA and NFHS competition requirements.
   1. Posts: 3-1/2 inch O.D. schedule 80 aluminum tube with 1 inch height adjustments between 42 and 96 inches. Provide pads for posts.
   2. Net: 4 inch square #36 nylon cord with vinyl coated polyester hem, double stitched around the perimeter.
   3. Tensioning Winch: Manual crank heavy duty, self-locking worm gear mechanism.
   4. Manufacturers:
      a. Draper, Inc; _____: www.draperinc.com/#sle.
      b. IPI by Bison, Inc; VB1000NS Centerline Aluminum: www.ipibybison.com/#sle.
      c. Porter system with hybrid end standards with pads used as reference standard
      d. Substitutions: See Section 016000 - Product Requirements.

B. Floor Sleeves for Posts: Metal sleeve, with latch cover, cast into concrete subfloor to hold poles for nets and goals; installed flush with finish floor surface.
   1. Latch Cover: Brass, round; tamper resistant lock with key.
   2. Sleeve: Aluminum.
   3. Depth of Sleeve: 9 inches from floor surface to bottom, including latch cover.

2.05 WALL PADDING

A. Wall Padding: Foam filling bonded to backing board, wrapped in covering; each panel fabricated in one piece.
   1. Covering: Vinyl-coated polyester fabric, mildew and rot resistant; stapled to back of board.
      a. Color: As selected from manufacturer's standard range.
      b. Texture: Embossed leather-look.
      c. Fabric Weight: 14 oz/sq yd, minimum.
   2. Foam: Soft, urethane or polyurethane, with 3.5 pcf nominal density.

3. Foam Thickness: 2 inches.
4. Backing Board: Plywood.
5. Panel Dimensions: __ inches wide by __ inches long, including nailing/fastening margins.
6. Fastening Margins: 1 inch wide, covered by fabric covering.
7. Mounting: Permanent; using screws.
8. Manufacturers:
    a. ADP Lemco, Inc; _____: www.adplemco.com/#sle.
    b. Draper, Inc; _____: www.draperinc.com/#sle.
    c. Grand Slam Safety, LLC; Wall Padding: www.grandslamsafety.com/#sle.
    d. IPI by Bison, Inc; Indoor Solid Color Vinyl Padding: www.ipibybison.com/#sle.
    e. Porter Gymnasium Equipment.
    f. Substitutions: See Section 016000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Take field measurements to ensure proper fitting of work. If taking field measurements before fabrication will delay work, allow for adjustments within recommended tolerances.

B. Inspect areas and conditions before installation, and notify Architect in writing of unsatisfactory or detrimental conditions.

C. Do not proceed with this work until conditions have been corrected; commencing installation constitutes acceptance of work site conditions.

3.02 INSTALLATION

A. Install in accordance with Contract Documents and manufacturer's instructions.

B. Coordinate installation of inserts and anchors that must be built in to flooring or subflooring.

C. Install equipment rigid, straight, plumb, and level.

D. Secure equipment with manufacturer's recommended anchoring devices.

E. Install wall padding securely, with edges tight to wall and without wrinkles in fabric covering.

F. Separate dissimilar metals to prevent electrolytic corrosion.

3.03 CLEANING

A. Remove masking or protective covering from finished surfaces.

B. Clean equipment in accordance with manufacturer's recommendations.

3.04 PROTECTION

A. Protect installed products until Date of Substantial Completion.

B. Replace damaged products before Date of Substantial Completion.

END OF SECTION

SECTION 122400
WINDOW SHADES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Interior manual roller shades.

1.02 REFERENCE STANDARDS

A. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2015, with Editorial Revision (2021).

B. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films; 2023, with Errata.

1.03 SUBMITTALS

A. Product Data: Provide manufacturer's standard catalog pages and data sheets, including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver shades in manufacturer's unopened packaging, labeled to identify each shade for each opening.

B. Handle and store shades in accordance with manufacturer's recommendations.

1.06 FIELD CONDITIONS

A. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Interior Manually Operated Roller Shades:
   1. Draper, Inc: www.draperinc.com.
   2. Hunter Douglas Architectural: www.hunterdouglasarchitectural.com.
   3. Levolor: www.commercial.levolor.com.
   4. Substitutions: See Section 016000 - Product Requirements.

B. Source Limitations: Furnish products produced by a single manufacturer and obtained from a single supplier.

2.02 ROLLER SHADES

A. General:
   1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets.
   2. Provide shade system that operates smoothly when shades are raised or lowered.

B. Roller Shades:
   1. Description - Interior Roller Shades: Single roller, manually operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
      a. Roll Direction: Roll down, closed position is at window sill.
      b. Mounting: Window jamb mounted - inside, between jambs.
   2. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
   3. Roller Tubes: As required for type of shade operation.

4. Hembars: Designed to maintain bottom of shade straight and flat.
    a. Style: Full wrap fabric covered bottom bar, flat profile with heat sealed closed ends.
5. Manual Operation for Interior Shades:
    a. Clutch Operator: Manufacturer's standard material and design, permanently lubricated.
    b. Drive Chain: Continuous loop beaded ball chain, 95 lb minimum breaking strength. Provide upper and lower limit stops.
6. Accessories:
    a. Fascia: Extruded aluminum, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; fabric wrapped finish to match shade.
    b. End Caps: Provide manufacturer's standard end caps to cover exposed ends of brackets.
    c. Fasteners: Noncorrosive, and as recommended by shade manufacturer.

2.03 SHADE FABRIC

A. Fabric: Nonflammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
    1. Material: Vinyl coated fiberglass.
    2. Performance Requirements:
        a. Flammability: Pass NFPA 701 large and small tests.
        b. Fungal Resistance: No growth when tested according to ASTM G21.
    3. Openness Factor: 3 percent.
    4. Weight: 13.3 ounces per square yard.
    5. Color: As selected by Architect from manufacturer’s full range of colors.

2.04 ROLLER SHADE FABRICATION

A. Field measure finished openings prior to ordering or fabrication.

B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
    1. Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.
    2. Horizontal Dimensions - Inside Mounting: Provide symmetrical light gaps on both sides of shade not to exceed 3/4 inch total.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine finished openings for deficiencies that may preclude satisfactory installation.

B. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.

B. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.

B. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

3.04 CLEANING

A. Clean soiled shades and exposed components as recommended by manufacturer.

B. Replace shades that cannot be cleaned to "like new" condition.

3.05 PROTECTION

A. Protect installed products from subsequent construction operations.

B. Touch-up, repair, or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 123600
COUNTERTOPS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Countertops for architectural cabinet work.

1.02 REFERENCE STANDARDS

A. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.

B. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).

C. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.

D. ISFA 3-01 - Classification and Standards for Quartz Surfacing Material; 2013.

E. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

F. NSI (DSDM) - Dimensional Stone Design Manual, Version VIII; 2016.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Specimen warranty.

C. Shop Drawings: Complete details of materials and installation ; combine with shop drawings of cabinets and casework specified in other sections.

D. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.

E. Test Reports: Chemical resistance testing, showing compliance with specified requirements.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

PART 2 PRODUCTS

2.01 COUNTERTOPS

A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

B. Stainless Steel Countertops: , Type 304, stainless steel sheet; 16 gauge, 0.0625 inch nominal sheet thickness.
   1. Finish: 4B satin brushed finish.

C. Natural Quartz and Resin Composite Countertops: Sheet or slab of natural quartz and plastic resin over continuous substrate.
   1. Flat Sheet Thickness: 1-1/4 inch, minimum.
   2. Natural Quartz and Resin Composite Sheets, Slabs and Castings: Complying with ISFA 3-01 and NEMA LD 3; orthophthalic polyester resin, mineral filler, and pigments;

homogenous, non-porous and capable of being worked and repaired using standard stone fabrication tools; no surface coating; color and pattern consistent throughout thickness.

a. Manufacturers:
   1) Refer to Finish Schedule
b. Factory fabricate components to the greatest extent practical in sizes and shapes indicated; comply with NSI (DSDM).
c. Finish on Exposed Surfaces: Polished.

3. Other Components Thickness: 3/4 inch, minimum.
4. Back and End Splashes: Same sheet material, square top; minimum 4 inches high.

2.02 MATERIALS

A. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.

2.03 ACCESSORIES

A. Fixed Top-Mounted Countertop Support Brackets:
   1. Material: Steel.

2.04 FABRICATION

A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
   1. Join lengths of tops using best method recommended by manufacturer.
   2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
   3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.

B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.
   1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.
   2. Height: 4 inches, unless otherwise indicated.

C. Stainless Steel: Fabricate tops up to 144 inches long in one piece including nosings and back and end splashes; accurately fitted mechanical field joints in lengths over that dimension are permitted.
   1. Weld joints; grind smooth and polish to match.
   2. Provide stainless steel hat channel stiffeners, welded or soldered to underside, where indicated on drawings.
   3. Provide wall clips for support of back/end splash turndowns.
   4. Sound Deadening: Apply water resistant, fire resistant sound deadening mastic to entire bottom surface.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.

B. Attach stainless steel countertops using stainless steel fasteners and clips.

C. Seal joint between back/end splashes and vertical surfaces.

3.04 TOLERANCES

A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.

B. Offset From Wall, Countertops: 1/8 inch maximum; 1/16 inch minimum.

C. Field Joints: 1/8 inch wide, maximum.

3.05 CLEANING

A. Clean countertops surfaces thoroughly.

3.06 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

SECTION 126613
TELESCOPING BLEACHERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Telescoping bleachers.

B. Electric motor operators, controls, and internal wiring.

1.02 RELATED REQUIREMENTS

A. Section 260583 - Wiring Connections: Connection of electric motors and controls.

1.03 REFERENCE STANDARDS

A. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2020, with Errata (2022).

B. AWS D1.3/D1.3M - Structural Welding Code - Sheet Steel; 2018, with Errata (2022).

C. NFPA 102 - Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures; 2021.

D. PS 1 - Structural Plywood; 2019.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage handling and requirements.
   3. Installation methods.

C. Shop Drawings: Complete layout with dimensions, seat heights, row spacing and rise, aisle widths and locations, points of connection to substrate, assembly dimensions, and material types and finishes.
   1. Provide drawings customized to this project.
   2. Include Professional Engineer certification.
   3. Wiring Diagrams: Show locations of motors, electrical wiring, and rough-in connections.

D. Selection Samples: For each material for which color selection is required, submit samples, 2 by 2 inches in size, illustrating colors and finishes available.

E. Operation and Maintenance Data: Manufacturer's operation and maintenance instructions, including annual inspection and maintenance and bi-annual inspection by a Professional Engineer or manufacturer factory service personnel.

F. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

B. Installer Qualifications: Approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Store, in original packaging, under cover and elevated above grade.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Telescoping Bleachers:
   1. Interkal LLC; _____: www.interkal.com/#sle.
   2. Hussey Seating Company; Hussey Maxam telecoping bleacher system is used as reference standard: www.husseyseating.com/#sle.

3. Substitutions: See Section 016000 - Product Requirements.

2.02 TELESCOPING BLEACHERS

A. Telescoping Bleachers: Factory assembled tiered benches that retract horizontally into depth approximately the same as a single row depth, with fixed seats mounted on leading edge of platforms.
   1. Design to comply with applicable requirements of NFPA 102 and requirements of code authorities having jurisdiction; where conflicts between requirements occur, comply with whichever is more stringent.
   2. Design with solid fascia (riser) or seat fronts that conceal interior mechanisms when fully retracted, fitting tightly enough to prevent climbing up face; at front row provide key locked, hinged fascia (skirt) to cover gap between seat riser/fascia and floor.
   3. Operation: Motor operated.

B. Design Loads: Design to withstand the following loading conditions:
   1. Live Load on Structural Supports: 100 psf, minimum, of gross horizontal projection.
   2. Live Load on Seats and Walking Surfaces: 120 pounds per linear foot.
   3. Lateral Sway Stress on Structural Supports: 24 pounds per linear foot of seat plank.
   4. Perpendicular Sway Stress on Structural Supports: 10 pounds per linear foot of seat plank.

C. Dimensions:
   1. Rows: 3.
   2. Rise Per Row: 11.5 inches.
   3. Row Depth: 26 inches.
   4. Seat Height Above Tread: 5.5 inches.
   5. Width: 88 feet.verify

D. Structural Supports: Steel or aluminum; manufacturer's standard wheeled carriages supporting each tier separately, with moving parts permanently lubricated and metal parts cushioned to prevent metal-to-metal contact during operation.
   1. Design so that each row carriage so that it will individually support the design loads and is self supporting when fully assembled without dependence on platform panels or boards, seats, or fascia.
   2. Welding: In accordance with AWS D1.1/D1.1M and AWS D1.3/D1.3M.
   3. Bolting: Use lock-washers or locknuts.
   4. Wheels: Minimum 5 inch diameter by 1-1/8 inch wide, with non-marring rubber tires; ball, roller, or oil-impregnated metal bearings; minimum of 2 wheels at each floor support.
   5. Finish: Manufacturer's standard enamel or powder coating.
   6. Row Locking: Automatically mechanically lock each carriage to adjacent carriages when fully extended.
   7. Unlocking: Automatically unlock all rows before engaging retraction mechanism.

E. Motor Operation: Manufacturer's standard drive mechanism, using motor adequately sized for the purpose.
   1. Provide UL listed electrical components and wiring.
   2. Controls: Start, Stop, Forward, and Reverse in a single control unit.
   3. Control Station: Removable plug-in low-voltage pendant station, with first-row plug-in location for each motor.
   4. Limit Switches: Automatically stop operation when unit has reached fully open or fully closed position.
   5. Provide all wiring internal to bleacher units, to junction box located where indicated; ensure that wiring is not energized except during operation.
   6. Electrical Characteristics: 120V, single phase, 60 Hz.
   7. Provide access to motor from front side of bleachers; a hinged front skirt or hinged section at least 30 inches wide is acceptable.

2.03 SEAT AND PLATFORM COMPONENTS

A. Seats and Fascia/Risers: Kiln dried solid lumber of southern yellow pine, grade B or Better; 3/4 inch nominal in thickness; up to 4 finger joints in 20 feet are permitted, no other repairs permitted.
   1. Finish: Two coats high gloss clear urethane finish on all sides and high humidity sealer coat.
   2. Shape: Seat sloped slightly to back; front edge and riser top edge radiused; other corners eased.
   3. Supports: Maximum spacing of 36 inches; countersunk throughbolts.

B. Seat/Fascia Assembly: Continuous, molded UV-stabilized high-density polyethylene plastic, seat minimum 1 inch thick, textured finish, homogeneous color throughout, color as selected from manufacturer's standard selection; approximately 18 inch long sections independently removable with tongue-and-groove or rabbeted interlock at end joints.
   1. Shape: Ergonomically contoured, with internal ribs spaced for natural flexibility; rear edge cantilevered to provide toe room of not less than 3 inches; no openings to trap debris.
   2. Provide end caps of same material and finish on each exposed end.
   3. Supports: Internal steel reinforcement of each seat segment bolted to platform nose member; minimum two bolts per segment.

C. Platform, Tread, and Step Structure: Plywood continuously supported on front and rear with side joints tongue-and-grooved.
   1. Plywood: PS 1, 5-ply southern pine or polyethylene-overlaid douglas fir or southern pine, Grade A-C.
   2. Plywood Thickness: 5/8 inch, minimum.
   3. Front (Nose), Rear, and Intermediate Supports: Steel channel or tube, hot-dipped galvanized.
   4. Provide end caps of same material and finish on each exposed end.

2.04 HANDRAILS AND RAILINGS

A. Provide the following railings:
   1. Height: 42 inches above adjacent platform or tread.

B. Design handrails and railings to withstand the following loads:

C. Railing Construction: Round steel or aluminum pipe or tube, with formed elbows at corners and caps at ends of straight runs.
   1. Aluminum: 1.66 inches minimum outside diameter; natural anodized finish.
   2. Steel: 1-1/2 inch minimum outside diameter, with 11 gauge, 0.12 inch minimum wall thickness; textured powder coat epoxy finish.

2.05 ACCESSORIES

A. Modular Handicap Cut-outs: Provide first tier handicap cut outs to be utilized by both persons in wheel chairs and able bodied persons. Each ADA cut out shall have an unlock lever for easy deployment if wheel chair access is needed and locks the bleacher seats into position when fully opened when wheelchair spaces are not required

B. Front aisle steps: Provide at each vertical aisle location a front aisle step. Fron steps shall engage with front row to prevent accidental separation or movement.Steps shall be fitted with four non-skid rubber feet 1/2" in diameter.

C. Non-slip Tread: Provide at front edge of each aisle location an adhesive backed abrasive non-slip tread surface.

D. Foot level Aisles: Provide deck level full width vertical aisles located as indicated.

E. Intermediate Aisle Steps: intermediate aisle steps shall be bpoxed enclosed type construction. Blow molded end caps shall have full radius on all four edges. Step shall have non-skid on surface.

F. Flex-row first tier, allowing Owner to choose between wheelchair spaces or courtside plastic seat modules for full facultied spectators as required by wheelchair attendance. Permanent wheelchair spaces not permitted.

G. Extended rear filler

H. Fasteners: Provide hardware and fasteners in accordance with manufacturer's recommendations

I. Anchorage: As indicated on drawings, provide hardware in accordance with manufacturo

J. Fasteners: Provide hardware and fasteners in accordance with manufacturer's recommendations.

K. Anchorage: As indicated on drawings; provide hardware in accordance with manufacturer's recommendations.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field measurements are consistent with those on the shop drawings.

B. Verify that electrical rough-ins have been installed and are accessible.

C. Do not begin installation until substrates have been properly prepared and area has been cleared of obstructions.

D. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Do not field cut or alter seats, fascia, or structural members without approval.

C. Provide manufacturer's field representative to inspect completed installation.

3.04 ADJUSTING

A. Lubricate, test, and adjust each moving assembly to ensure proper operation in compliance with manufacturer's recommendations.

3.05 CLEANING

A. Clean exposed and semi-exposed assembly surfaces.

B. Touch up finishes on damaged or soiled areas.

3.06 CLOSEOUT ACTIVITIES

A. Demonstration and Training: Provide manufacturer's field representative to demonstrate to and train Owner's operating personnel in proper operation of equipment.
   1. Location: On site using installed equipment.
   2. Time: As agreed between Owner and Contractor.

3.07 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair, or replace damaged products before Date of Substantial Completion.

END OF SECTION

SECTION 311000
SITE CLEARING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Clearing and protection of vegetation.

B. Removal of existing debris.

PART 2 PRODUCTS

2.01 MATERIALS

A. Fill Material: As specified in Section 312200 - Grading

PART 3 EXECUTION

3.01 SITE CLEARING

A. Comply with other requirements specified in Section 017000.

B. Minimize production of dust due to clearing operations; do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.

3.02 EXISTING UTILITIES AND BUILT ELEMENTS

A. Coordinate work with utility companies; notify before starting work and comply with their requirements; obtain required permits.

B. Protect existing utilities to remain from damage.

C. Do not disrupt public utilities without permit from authority having jurisdiction.

D. Protect existing structures and other elements that are not to be removed.

3.03 VEGETATION

A. Scope: Remove trees, shrubs, brush, and stumps in areas to be covered by building structure, paving, playing fields, lawns, and planting beds.

B. Do not begin clearing until vegetation to be relocated has been removed.

C. Do not remove or damage vegetation beyond the limits indicated on drawings.

D. Install substantial, highly visible fences at least 3 feet high to prevent inadvertent damage to vegetation to remain:
   1. At vegetation removal limits.

E. In areas where vegetation must be removed but no construction will occur other than pervious paving, remove vegetation with minimum disturbance of the subsoil.

F. Vegetation Removed: Do not burn, bury, landfill, or leave on site, except as indicated.
   1. Existing Stumps: Treat as specified for other vegetation removed; remove stumps and roots to depth of 18 inches.
   2. Fill holes left by removal of stumps and roots, using suitable fill material, with top surface neat in appearance and smooth enough not to constitute a hazard to pedestrians.

G. Dead Wood: Remove all dead trees (standing or down), limbs, and dry brush on entire site; treat as specified for vegetation removed.

H. Restoration: If vegetation outside removal limits or within specified protective fences is damaged or destroyed due to subsequent construction operations, replace at no cost to Owner.

3.04 DEBRIS

A. Remove debris, junk, and trash from site.

B. Leave site in clean condition, ready for subsequent work.

C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 312200
GRADING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Removal of topsoil.

B. Rough grading the site for site structures.

C. Finish grading.

PART 2 PRODUCTS

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that survey bench mark and intended elevations for the Work are as indicated.

B. Verify the absence of standing or ponding water.

3.02 PREPARATION

A. Identify required lines, levels, contours, and datum.

B. Stake and flag locations of known utilities.

C. Locate, identify, and protect from damage above- and below-grade utilities to remain.

D. Notify utility company to remove and relocate utilities.

E. Provide temporary means and methods to remove all standing or ponding water from areas prior to grading.

F. Protect site features to remain, including but not limited to bench marks, survey control points, existing structures, fences, sidewalks, paving, and curbs, from damage by grading equipment and vehicular traffic.

G. Protect trees to remain by providing substantial fencing around entire tree at the outer tips of its branches; no grading is to be performed inside this line.

H. Protect plants, lawns, and other features to remain as a portion of final landscaping.

3.03 ROUGH GRADING

A. Remove topsoil from areas to be further excavated, re-landscaped, or re-graded, without mixing with foreign materials.

B. Do not remove topsoil when wet.

C. Remove subsoil from areas to be further excavated, re-landscaped, or re-graded.

D. Do not remove wet subsoil , unless it is subsequently processed to obtain optimum moisture content.

E. When excavating through roots, perform work by hand and cut roots with sharp axe.

F. Stability: Replace damaged or displaced subsoil to same requirements as for specified fill.

G. Remove and replace soils deemed unsuitable by classification and which are excessively moist due to lack surface water control.

3.04 SOIL REMOVAL

A. Stockpile topsoil to be re-used on site; remove remainder from site.

B. Stockpile subsoil to be re-used on site; remove remainder from site.

C. Stockpiles: Use areas designated on site; pile depth not to exceed 8 feet; protect from erosion.

3.05 FINISH GRADING

A. Before Finish Grading:
   1. Verify building and trench backfilling have been inspected.

2. Verify subgrade has been contoured and compacted.

B. Remove debris, roots, branches, stones, in excess of 1/2 inch in size. Remove soil contaminated with petroleum products.

C. Where topsoil is to be placed, scarify surface to depth of 3 inches.

D. In areas where vehicles or equipment have compacted soil, scarify surface to depth of 3 inches.

E. Place topsoil to the following compacted thicknesses:
   1. Areas to be Sodded: 4 inches.
   2. Shrub Beds: 18 inches.

F. Place topsoil during dry weather.

G. Remove roots, weeds, rocks, and foreign material while spreading.

H. Near plants spread topsoil manually to prevent damage.

I. Fine grade topsoil to eliminate uneven areas and low spots. Maintain profiles and contour of subgrade.

J. Maintain stability of topsoil during inclement weather. Replace topsoil in areas where surface water has eroded thickness below specifications.

3.06 TOLERANCES

A. Top Surface of Subgrade: Plus or minus 0.10 foot (1-3/16 inches) from required elevation.

B. Top Surface of Finish Grade: Plus or minus 0.04 foot (1/2 inch).

3.07 REPAIR AND RESTORATION

A. Other Existing Vegetation to Remain: If damaged due to this work, replace with vegetation of equivalent species and size.

3.08 FIELD QUALITY CONTROL

A. See Section 312323 for compaction density testing.

3.09 CLEANING

A. Remove unused stockpiled topsoil and subsoil. Grade stockpile area to prevent standing water.

B. Leave site clean and raked, ready to receive landscaping.

END OF SECTION

SECTION 312316
EXCAVATION

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Excavating for building volume below grade, footings, slabs-on-grade, paving, site structures, and utilities within the building.

B. Trenching for utilities outside the building to utility main connections.

C. Temporary excavation support and protection systems.

1.02 RELATED REQUIREMENTS

A. Document _____-_____: Geotechnical report; bore hole locations and findings of subsurface materials.

B. Section 015713 - Temporary Erosion and Sediment Control: Slope protection and erosion control.

C. Section 017000 - Execution and Closeout Requirements: Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring. General requirements for dewatering of excavations and water control.

D. Section 210553 - Identification for Fire Suppression Piping and Equipment: Underground warning tapes at underground fire suppression lines.

E. Section 220553 - Identification for Plumbing Piping and Equipment: Underground warning tapes at underground plumbing lines.

F. Section 230553 - Identification for HVAC Piping and Equipment: Underground warning tapes at underground HVAC lines.

G. Section 260553 - Identification for Electrical Systems: Underground warning tapes at underground electrical lines.

H. Section 311000 - Site Clearing: Vegetation and existing debris removal.

I. Section 312200 - Grading: Soil removal from surface of site.

J. Section 312200 - Grading: Grading.

K. Section 312323 - Fill: Fill materials, backfilling, and compacting.

1.03 REFERENCE STANDARDS

A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

PART 2 PRODUCTS

2.01 MATERIALS

A. Bedding and Fill to Correct Over-Excavation:

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that survey bench mark and intended elevations for the work are as indicated.

3.02 PREPARATION

A. Identify required lines, levels, contours, and datum locations.

B. Locate, identify, and protect utilities that remain and protect from damage.

C. Grade top perimeter of excavation to prevent surface water from draining into excavation. Provide temporary means and methods, as required, to maintain surface water diversion until no longer needed, or as directed by Architect.

3.03 TEMPORARY EXCAVATION SUPPORT AND PROTECTION

A. Excavation Safety: Comply with OSHA's Excavation Standard, 29 CFR 1926, Subpart P.

3.04 EXCAVATING

A. Excavate to accommodate new structures and construction operations.
   1. Excavate to the length and width required to safely install, adjust, and remove any forms, bracing, or supports necessary for the installation of the work.
   2. Hand trim excavations. Remove loose matter.

B. Notify Architect of unexpected subsurface conditions and discontinue affected Work in area until notified to resume work.

C. Do not interfere with 45 degree bearing splay of foundations.

D. Provide temporary means and methods, as required, to remove all water from excavations until directed by Architect. Remove and replace soils deemed suitable by classification and which are excessively moist due to lack of dewatering or surface water control.

3.05 FILLING AND BACKFILLING

A. Do not fill or backfill until all debris, water, unsatisfactory soil materials, obstructions, and deleterious materials have been removed from excavation.

B. See Section 312323 for fill, backfill, and compaction requirements at general excavations.

3.06 CLEANING

A. Remove excavated material that is unsuitable for re-use from site.

B. Remove excess excavated material from site.

3.07 PROTECTION

A. Divert surface flow from rains or water discharges from the excavation.

B. Prevent displacement of banks and keep loose soil from falling into excavation; maintain soil stability.

C. Protect open excavations from rainfall, runoff, freezing groundwater, or excessive drying so as to maintain foundation subgrade in satisfactory, undisturbed condition.

D. Protect bottom of excavations and soil adjacent to and beneath foundation from freezing.

E. Keep excavations free of standing water and completely free of water during concrete placement.

END OF SECTION

SECTION 312316.13
TRENCHING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Backfilling and compacting for utilities outside the building to utility main connections.

1.02 RELATED REQUIREMENTS

A. Section 033000 - Cast-in-Place Concrete.

B. Section 312200 - Grading: Site grading.

C. Section 312316 - Excavation: Building and foundation excavating.

D. Section 312323 - Fill: Backfilling at building and foundations.

1.03 DEFINITIONS

A. Finish Grade Elevations: Indicated on drawings.

1.04 REFERENCE STANDARDS

1.05 DELIVERY, STORAGE, AND HANDLING

A. When necessary, store materials on site in advance of need.

B. When fill materials need to be stored on site, locate stockpiles where indicated.
   1. Separate differing materials with dividers or stockpile separately to prevent intermixing.
   2. Prevent contamination.
   3. Protect stockpiles from erosion and deterioration of materials.

PART 2 PRODUCTS

2.01 FILL MATERIALS

A. Refer to Section 312323 - Fill

B. General Fill: Complying with State of Oklahoma Highway Department standard.

C. Structural Fill: Complying with State of Oklahoma Highway Department standard.

D. Structural Fill - Fill Type Per Geotechnical Data: Subsoil excavated on-site.
   1. Graded.
   2. Free of lumps larger than 3 inches, rocks larger than 2 inches, and debris.

E. Granular Fill - Fill Type Type A or per Geotecnical Report and Data: Coarse aggregate, complying with State of Oklahoma Highway Department standard.

F. Topsoil: Complying with State of Oklahoma Highway Department standard.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that survey bench marks and intended elevations for the work are as indicated.

3.02 PREPARATION

A. Identify required lines, levels, contours, and datum locations.

B. Locate, identify, and protect utilities that remain and protect from damage.

C. Protect plants, lawns, and other features to remain.

D. Grade top perimeter of trenching area to prevent surface water from draining into trench. Provide temporary means and methods, as required, to maintain surface water diversion until no longer needed, or as directed by the Architect.

3.03 TRENCHING

A. Notify Architect of unexpected subsurface conditions and discontinue affected Work in area until notified to resume work.

B. Slope banks of excavations deeper than 4 feet to angle of repose or less until shored.

C. Do not interfere with 45 degree bearing splay of foundations.

D. Cut trenches wide enough to allow inspection of installed utilities.

E. Hand trim excavations. Remove loose matter.

F. Remove excavated material that is unsuitable for re-use from site.

G. Remove excess excavated material from site.

H. Provide temporary means and methods, as required, to remove all water from trenching until directed by the Architect. Remove and replace soils deemed unsuitable by classification and which are excessively moist due to lack of dewatering or surface water control.

I. Determine the prevailing groundwater level prior to trenching. If the proposed trench extends less than 1 foot into the prevailing groundwater, control groundwater intrusion with perimeter drains routed to sump pumps, or as directed by the Architect.

3.04 PREPARATION FOR UTILITY PLACEMENT

A. Cut out soft areas of subgrade not capable of compaction in place. Backfill with general fill.

B. Compact subgrade to density equal to or greater than requirements for subsequent fill material.

C. Until ready to backfill, maintain excavations and prevent loose soil from falling into excavation.

3.05 BACKFILLING

A. Backfill to contours and elevations indicated using unfrozen materials.

B. Employ a placement method that does not disturb or damage other work.

C. Systematically fill to allow maximum time for natural settlement. Do not fill over porous, wet, frozen or spongy subgrade surfaces.

D. Maintain optimum moisture content of fill materials to attain required compaction density.

E. Slope grade away from building minimum 2 inches in 10 feet, unless noted otherwise. Make gradual grade changes. Blend slope into level areas.

F. Correct areas that are over-excavated.
   1. Other areas: Use general fill, flush to required elevation, compacted to minimum 97 percent of maximum dry density.

G. Compaction Density Unless Otherwise Specified or Indicated:
   1. Refer to Section 312323 - Fill

H. Reshape and re-compact fills subjected to vehicular traffic.

3.06 BEDDING AND FILL AT SPECIFIC LOCATIONS

A. Utility Piping and Conduits:
   1. Bedding: Use general fill.
   2. Cover with general fill.
   3. Fill up to subgrade elevation.
   4. Compact in maximum 8 inch lifts to 95 percent of maximum dry density.

3.07 TOLERANCES

A. Top Surface of General Backfilling: Plus or minus 1 inch from required elevations.

B. Top Surface of Backfilling Under Paved Areas: Plus or minus 1 inch from required elevations.

3.08 CLEANING

A. Remove unused stockpiled materials, leave area in a clean and neat condition. Grade stockpile area to prevent standing surface water.

END OF SECTION

SECTION 312323
FILL

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Filling, backfilling, and compacting for building volume below grade, footings, slabs-on-grade, paving, and utilities within the building.

B. Backfilling and compacting for utilities outside the building to utility main connections.

C. Filling holes, pits, and excavations generated as a result of removal (demolition) operations.

1.02 REFERENCE STANDARDS

A. AASHTO T 180 - Standard Method of Test for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop; 2022, with Errata .

B. ASTM D698 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft3 (600 kN-m/m3)); 2012 (Reapproved 2021).

C. ASTM D1556/D1556M - Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method; 2015, with Editorial Revision (2016).

D. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3)); 2012 (Reapproved 2021).

E. ASTM D2167 - Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method; 2015.

F. ASTM D6938 - Standard Test Methods for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth); 2023.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data for Manufactured Fill.

C. Fill Composition Test Reports: Results of laboratory tests on proposed and actual materials used, including manufactured fill.

D. Compaction Density Test Reports.

1.04 DELIVERY, STORAGE, AND HANDLING

A. When necessary, store materials on site in advance of need.

PART 2 PRODUCTS

2.01 FILL MATERIALS

A. General Fill
   1. Amount finer than 2 inch sieve = 100 percent
   2. Amunt finier than No. 200 sieve = 12 percent minimum and if PI is greater than or equal to 7, 60 percent maximum
   3. Liquid Limit: 35 percent, maximum
   4. Plasticity Index (PI) range: 5-15

B. Granular Fill - Fill Type 'A': Coarse aggregate, complying with State of Oklahoma Highway Department standard.

C. Sand: Natural river or bank sand; free of silt, clay, loam, friable or soluble materials, and organic matter.

D. Topsoil: Topsoil excavated on-site.
   1. Select.
   2. Graded.
   3. Free of roots, rocks larger than 1/2 inch, subsoil, debris, large weeds and foreign matter.
   4. Acidity range (pH) of 5.5 to 7.5.

5. Containing a minimum of 4 percent and a maximum of 25 percent inorganic matter.

2.02 ACCESSORIES

A. Geotextile: Non-biodegradable, woven.

2.03 SOURCE QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for general requirements for testing and analysis of soil material.

B. Where fill materials are specified by reference to a specific standard, test and analyze samples for compliance before delivery to site.

C. If tests indicate materials do not meet specified requirements, change material and retest.

PART 3 EXECUTION

3.01 EXAMINATION

A. Identify required lines, levels, contours, and datum locations.

B. See Section 312200 for additional requirements.

C. Verify subdrainage, dampproofing, or waterproofing installation has been inspected.

D. Verify structural ability of unsupported walls to support imposed loads by the fill.

E. Verify areas to be filled are not compromised with surface or ground water.

3.02 PREPARATION

A. Scarify and proof roll subgrade surface to a depth of 6 inches to identify soft spots.

B. Proofroll with a tandem axle truck weighing at least 16,000 pounds per axle to locate any zones that are soft or unstable. Proofrolling should involve overlapping passes in perpendicular directions. Where pumping or rutting is encountered, the unstable soils should be overexcavated and replaced with cohesive low volumne change fill. Compact to required density.

C. Cut out soft areas of subgrade not capable of compaction in place.

D. Before placing fill, scarify and process subgrade at an optimum moisture content within the range of three (3) percentage points above as determined by the Standard Proctor test.

E. Backfill with genreral fill.

F. Compact subgrade to density equal to or greater than requirements for subsequent fill material.

G. Until ready to fill, maintain excavations and prevent loose soil from falling into excavation.

3.03 FILLING

A. Fill to contours and elevations indicated using unfrozen materials.

B. Employ a placement method that does not disturb or damage other work.

C. Systematically fill to allow maximum time for natural settlement. Do not fill over porous, wet, frozen or spongy subgrade surfaces.

D. Maintain optimum moisture content of fill materials to attain required compaction density.

E. Granular Fill: Place and compact materials in equal continuous layers not exceeding 6 inches compacted depth.

F. Soil Fill: Place and compact material in equal continuous layers not exceeding 8 inches compacted depth.

G. Slope grade away from building minimum 2 inches in 10 feet, unless noted otherwise. Make gradual grade changes. Blend slope into level areas.

H. Correct areas that are over-excavated.
   1. Load-bearing foundation surfaces: Use structural fill, flush to required elevation, compacted to 95 percent of maximum dry density.

2. Other areas: Use general fill, flush to required elevation, compacted to minimum 95 percent of maximum dry density.

I. Compaction Density Unless Otherwise Specified or Indicated:

J. Reshape and re-compact fills subjected to vehicular traffic.

K. Maintain temporary means and methods, as required, to remove all water while fill is being placed as required, or until directed by the Architect. Remove and replace soils deemed unsuitable by classification and which are excessively moist due to lack of dewatering or surface water control.

3.04 FILL AT SPECIFIC LOCATIONS

A. Use general fill unless otherwise specified or indicated.

B. Structural Fill at locations where natural bearing is disturbed or footings are above stripped natural grade:
   1. Use general fill.
   2. Fill up to subgrade elevations.
   3. Maximum depth per lift: 8 inches, compacted.
   4. Compact to minimum 95 percent of maximum dry density.

C. Under Interior Slabs-On-Grade:
   1. Use general fill.
   2. Compact to 98 percent of maximum dry density.
   3. Cover with granular fill.
      a. Depth: 6 inches.

D. At Foundation Walls and Footings:
   1. Use general fill.
   2. Fill up to subgrade elevation.
   3. Compact each lift to 98 percent of maximum dry density.
   4. Do not backfill against unsupported foundation walls.

E. Over Buried Utility Piping, Conduits, and Duct Bank in Trenches:
   1. Bedding: Use general fill.
   2. Cover with general fill.
   3. Fill up to subgrade elevation.
   4. Compact in maximum 8 inch lifts to 95 percent of maximum dry density.

F. At Lawn Areas:
   1. Use general fill.
   2. Fill up to subgrade elevations.
   3. Compact to 95 percent of maximum dry density.

G. At Planting Areas Other Than Lawns :
   1. Use general fill.
   2. Fill up to 12 inches below finish grade elevations.
   3. Compact to 95 percent of maximum dry density.

H. Under Monolithic Paving :
   1. Compact subsoil to 95 percent of its maximum dry density before placing fill.
   2. Use general fill.
   3. Fill up to subgrade elevation.
   4. Compact to 95 percent of maximum dry density.
   5. Cover with granular fill
      a. Depth: 6 inches

I. Under exterior sidewalks and patios:
   1. Use general fill.
   2. Fill up to subgrade elevation.

3. Maximum compacted depth of each lift: 8 inches.
4. Compact to 95 percent of maximum dry density.

3.05 TOLERANCES

A. Top Surface of General Filling: Plus or minus 1 inch from required elevations.

B. Top Surface of Filling Under Paved Areas: Plus or minus 1 inch from required elevations.

3.06 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for general requirements for field inspection and testing.

B. Soil Fill Materials:
1. Perform compaction density testing on compacted fill in accordance with ASTM D1556, ASTM D2167, or ASTM D6938.
2. Evaluate results in relation to compaction curve determined by testing uncompacted material in accordance with ASTM D698 ("standard Proctor"), ASTM D1557 ("modified Proctor"), or AASHTO T 180.
3. If tests indicate work does not meet specified requirements, remove work, replace and retest.
4. Frequency of Tests: Test the field density for each lift of fill at frequencies of every 1,000 square feet in areas under structures (minimum of two tests) and every 5,000 square feet in areas under pavement (minimum of two tests)..

3.07 CLEANING

A. See Section 017419 - Construction Waste Management and Disposal, for additional requirements.

B. Remove unused stockpiled materials, leave area in a clean and neat condition. Grade stockpile area to prevent standing surface water.

C. Leave borrow areas in a clean and neat condition. Grade to prevent standing surface water.

END OF SECTION

SECTION 313116
TERMITE CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Chemical soil treatment.

B. Site-applied termiticide for wood, steel, and concrete.

1.02 REFERENCE STANDARDS

A. Title 7, United States Code, 136 through 136y - Federal Insecticide, Fungicide and Rodenticide Act; 2019.

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Indicate toxicants to be used, composition by percentage, dilution schedule, intended application rate.

C. Product Data: Submit manufacturers' data on manufactured products showing compliance with specified requirements.

D. Manufacturer's Instructions: Indicate caution requirement.

E. Warranty: Submit warranty and ensure that forms have been completed in Owner's name.

1.04 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing this type of work and:
   1. Having minimum of three (3) years documented experience.
   2. Approved by manufacturer of treatment materials.
   3. Licensed in the State in which the Project is located.

1.05 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Provide five year installer's warranty against damage to building caused by termites.

PART 2 PRODUCTS

2.01 CHEMICAL SOIL TREATMENT

A. Toxicant Chemical: EPA Title 7, United States Code, 136 through 136y approved; synthetically color dyed to permit visual identification of treated soil.

B. Diluent: Recommended by toxicant manufacturer.

C. Manufacturers:
   1. Bayer Environmental Science Corp: www.backedbybayer.com/pest-management
   2. FMC Professional Solutions: www.fmcprosolutions.com
   3. Syngenta Professional Products: www.syngentaprofessionalproducts.com
   4. Substitutions: See Section 016000 - Product Requirements.

D. Mixes: Mix toxicant to manufacturer's instructions.

2.02 SITE-APPLIED TERMITICIDE

A. Site Applied Termiticide for Wood, Steel and Concrete: Borate mineral salt based, spray applied termiticide formulated for use on wood, steel, concrete and other building materials.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that soil surfaces are unfrozen, sufficiently dry to absorb toxicant, and ready to receive treatment.

B. Verify final grading is complete.

3.02 APPLICATION - CHEMICAL TREATMENT

A. Comply with requirements of U.S. EPA and applicable state and local codes.

B. Spray apply toxicant in accordance with manufacturer's instructions.

C. Apply toxicant at following locations:
   1. Under Slabs-on-Grade.
   2. At Both Sides of Foundation Surface.

D. Under slabs, apply toxicant immediately prior to installation of vapor barrier.

E. At foundation walls, apply toxicant immediately prior to finish grading work outside foundations.

F. Apply extra treatment to structure penetration surfaces such as pipe or ducts, and soil penetrations such as grounding rods or posts.

G. Re-treat disturbed treated soil with same toxicant as original treatment.

H. If inspection or testing identifies the presence of termites, re-treat soil and re-test.

3.03 INSTALLATION - SITE-APPLIED TERMITICIDE

A. Comply with manufacturer's written instructions.

3.04 PROTECTION

A. Do not permit soil grading over treated work.

B. Protect sheet materials from damage after completed installation. Repair damage with manufacturer's recommended products and according to the manufacturer's written instructions.

END OF SECTION

SECTION 321123
AGGREGATE BASE COURSES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Aggregate base course.

PART 2 PRODUCTS

2.01 MATERIALS

A. Coarse Aggregate Type Type A or as recommended by Geotechnical report and data: Coarse aggregate, complying with State of Oklahoma Highway Department standard.

B. Medium Aggregate: Natural stone; pea gravel, washed, free of clay, shale, organic matter.

2.02 SOURCE QUALITY CONTROL

A. See Section 014000 - Quality Requirements for general requirements for testing and analysis of aggregate materials.

B. Where aggregate materials are specified using ASTM D2487 classification, test and analyze samples for compliance before delivery to site.

PART 3 EXECUTION

3.01 EXAMINATION

3.02 PREPARATION

3.03 INSTALLATION

A. Spread aggregate over prepared substrate to a total compacted thickness of six inches.

3.04 TOLERANCES

A. Flatness: Maximum variation of 1/4 inch measured with 10 foot straight edge.

3.05 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements for general requirements for field inspection and testing.

B. Compaction density testing will be performed on compacted aggregate base course in accordance with ASTM D1556, ASTM D2167, or ASTM D6938.

C. Results will be evaluated in relation to compaction curve determined by testing uncompacted material in accordance with AASHTO T 180, ASTM D698 ("standard Proctor"), or ASTM D1557 ("modified Proctor").

3.06 CLEANING

END OF SECTION

SECTION 321726
TACTILE WARNING SURFACING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Cast iron tactile warning surfacing.

1.02 RELATED REQUIREMENTS

A. Section 321623 - Sidewalks.

B. Section 321723 - Pavement Markings.

1.03 REFERENCE STANDARDS

A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.

B. ASTM A48/A48M - Standard Specification for Gray Iron Castings; 2022.

C. ATBCB PROWAG - Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way; 2023.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Submit manufacturer's product data, standard details, details specific to this project, written installation, and maintenance instructions.

C. Samples: For each product specified, provide two samples, 8 inches square, minimum; show actual product, color, and patterns.

1.05 QUALITY ASSURANCE

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Cast Iron Tactile Warning Surfacing:
   1. ADA Solutions, a division of SureWerx USA; _____: www.adatile.com/#sle.
   2. EqualTile, a brand of Advanced Roadway Manufacturing, Inc; _____: www.equaltile.com/#sle.
   3. Substitutions: See Section 016000 - Product Requirements.

2.02 MATERIALS

A. Cast Iron Tactile Warning Surfacing:
   1. Material: Gray cast iron; ASTM A48/A48M, Class 30 A, minimum.
   2. Shape: Rectangular and radius.
   3. Square Dimensions: 24 by 36 inches.
   4. Pattern: Truncated cones complying with ADA Standards.
   5. Joint: Manufacturer standard, bolted connection.
   6. Color: As selected by Architect from manufacturer's standard range.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer's written instructions.
   1. Do not install damaged, warped, bowed, dented, abraded, or otherwise defective units.
   2. Do not install when ambient or substrate temperature has been below 40 degrees F during the preceding 8 daylight hours.

B. Field Adjustment:
   1. Locate relative to curb line in accordance with ATBCB PROWAG, Sections 304 and 305.
   2. Orient so dome pattern is aligned with the direction of ramp.

C. Install units fully seated to substrate, square to straight edges and flat to required slope.

3.02 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements for additional requirements.

B. Inspect for raised edges and misalignment.

C. Nonconforming Work: Remove and replace.

3.03 CLEANING

A. Remove protective plastic sheeting within 24 hours of installation.

B. Remove excess sealant or adhesive from joints and edges.

C. Clean four days prior to date of scheduled inspection.

3.04 PROTECTION

A. Protect installed units from traffic, subsequent construction operations or other imposed loads until concrete is fully cured.

B. Touch-up, repair or replace damaged products prior to Date of Substantial Completion.

END OF SECTION

SECTION 321813
SYNTHETIC GRASS SURFACING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Synthetic grass surfacing and infill.

B. Edge anchoring and borders.

C. Shock absorbing course.

D. Correction of grades and subgrade.

E. Drainage layer.

F. Field graphics.

1.02 RELATED REQUIREMENTS

A. Section 033000 - Cast-in-Place Concrete.

B. Section 312200 - Grading.

C. Section 312316 - Excavation.

D. Section 312316.13 - Trenching.

E. Section 312323 - Fill.

F. Section 320519 - Geosynthetics for Exterior Improvements.

G. Section 321120 - Subbase and Aggregate Base Courses.

H. Section 323113 - Chain Link Fences and Gates.

I. Section 334211 - Stormwater Gravity Piping.

1.03 REFERENCE STANDARDS

A. ASTM C136/C136M - Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates; 2019.

B. ASTM C476 - Standard Specification for Grout for Masonry; 2022.

C. ASTM D698 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft3 (600 kN-m/m3)); 2012 (Reapproved 2021).

D. ASTM D6662 - Standard Specification for Polyolefin-Based Plastic Lumber Decking Boards; 2022.

E. ASTM F1487 - Standard Consumer Safety Performance Specification for Playground Equipment for Public Use; 2021.

F. ASTM F1667 - Standard Specification for Driven Fasteners: Nails, Spikes, and Staples; 2021.

G. ASTM F1936 - Standard Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field; 2010 (Reapproved 2015).

H. ASTM F2765 - Standard Specification for Total Lead Content in Synthetic Turf Fibers; 2014 (Reapproved 2021).

I. ASTM F2898 - Standard Test Method for Permeability of Synthetic Turf Sports Field Base Stone and Surface System by Non-confined Area Flood Test Method; 2011 (Reapproved 2019).

J. ASTM STP322-1 - Field Testing of Soils, Chapter 1: Field Percolation Tests for Sanitary Engineering Application; 1962.

K. CPSC Pub. No. 325 - Public Playground Safety Handbook; 2015.

1.04 ADMINISTRATIVE REQUIREMENTS

A. See Section 013000 - Administrative Requirements - Administrative Requirements, for project meetings.

1.05 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: For all manufactured surfacing products, provide manufacturer's product data showing materials of construction, compliance with specified standards, installation procedures, and safety limitations.

C. Samples: For each product for which color must be selected provide color chart showing full range of colors.

D. Samples: Provide following prior to ordering material:
   1. Synthetic Grass carpet: Two 12 inch by 12 inch (305 mm by 305 mm) pieces.
   2. Infill material: Two 1-gallon bags for each type.
   3. Seamed synthetic grass carpet: Two 12 inch by 24 inch (305 mm by 610 mm) pieces seemed together for each seaming method indicated on drawings.

E. Percolation Test Report: Describing test method used and results.

F. Manufacturer's Qualification Statement.

G. Installer's Qualification Statement.

H. Maintenance Data:
   1. For manufactured surfacing products, provide manufacturer's recommended maintenance instructions and list of repair products, with address and phone number of source of supply.
   2. For loose fill surfacing products, provide detailed re-ordering information to enable Owner to match installed material exactly.

1.06 QUALITY ASSURANCE

A. See section 014000 - Quality Requirements, for procedures for testing, inspection, mock-ups, reports, certificates, use of reference standards.

B. Maintain one copy of latest edition of ASTM F1487 and CPSC Pub. No. 325 at project site.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Deliver, handle, and store synthetic grass surfacing to project site in accordance with manufacturer's recommendations.

B. Store materials in dry, covered area, elevated above grade.

1.08 FIELD CONDITIONS

A. Ambient Conditions: Cease work of this section when:
   1. Temperatures are below 55 degrees F.
   2. Humidity levels are above adhesive manufacturer's requirements.
   3. Rain is imminent or falling.
   4. Surfaces are wet or damp.

1.09 WARRANTY

A. See Section 017800 - Closeout Submittals - Closeout Submittals, for additional warranty requirements.

B. Provide 10 year minimum warranty from date of substantial completion for materials and installation covering:
   1. Excessive wear.
   2. Fiber tensile strength.
   3. Deterioration or fading from UV light.

PART 2 PRODUCTS

2.01 SYNTHETIC GRASS SURFACING

A. Synthetic Grass Carpet: Yarn fibers tufted through and adhered to porous fiber backing.
   1. Total Weight: 40 oz per sq yd, minimum.
   2. Permeability: 10 inches (254 mm) of water per hour, minimum.
   3. Lead Content: 100 ppm, maximum, in accordance with ASTM F2765.
   4. Roll: 10 feet (3 m) feet wide, minimum.
   5. Products:
      a. Substitutions: See Section 016000 - Product Requirements.

B. Synthetic Grass Infill: 2 pounds per square foot (10 ksm), minimum at 50 to 50 percent granule to synthetic sand.

2.02 MATERIALS

A. Edge Anchoring: Wood-polymer composite lumber complying with ASTM D6662; factory finished, free of sharp vertical edges, protruding elements, and trip hazards, capable of being secured to border.
   1. Minimum Edge Radius: 1/2 inch.

B. Border: Permanent element surrounding edge anchoring, consisting of exterior walls:
   1. Exterior Walls: As indicated on drawings.
   2. Sidewalks: As indicated on drawings.
   3. Concrete Curb: As indicated on drawings.
   4. Chain Link Fence: As indicated on drawings.

C. Drainage (Loose Surfacing) Course: Fractured, non-rounded gravel; washed; free of dust, clay, dirt, organic material, hazardous substances, or foreign objects; rounded particles, either naturally or mechanically; sieved in compliance with ASTM C136/C136M in specified gradation range.
   1. Percent Passing Sieve Size 1/2 inch: 100 percent.
   2. Percent Passing Sieve Size 3/8 inch: 75 to 85 percent.
   3. Percent Passing Sieve Size No. 4: 0 percent.

D. Drainage Pipes: Uniform material, free of defects:
   1. Material: Polyvinyl Chloride.
   2. Shape: Round.
   3. Shape: As indicated on drawings.
   4. Perforations: As indicated on drawings.
   5. Size: As indicated on drawings.

E. Geotextile: See Section 320519.

2.03 ACCESSORIES

A. Fasteners, Synthetic Grass to Edging: 1/2 inch (13 mm) stainless steel staples, in compliance with ASTM F1667.

B. Fasteners, Edging to Border: Self drilling, stainless steel screws, in compliance with ASTM F1667.

C. Fasteners, Seams:
   1. Nails: Galvanized steel, 4 inch (102 mm) long, in compliance with ASTM F1667.
   2. Staples: Galvanized steel, 3/4 inch (19 mm) wide, 4 inch (102 mm) long, in compliance with ASTM F1667.
   3. Sewing Thread: Polyester.
   4. Bonding:
      a. Adhesive: Two-part urethane-based glue.
      b. Backing: 12-inch (305 mm) wide woven polyester.

D. Rebar: Number 4 rod.

E. Cementitious Grout: Fine, in compliance with ASTM C476.

2.04 SOURCE QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

PART 3 EXECUTION

3.01 SUBGRADE

A. Excavate unsuitable soils, see Section 312316. Backfill with suitable material, see Section 312323.

B. Correct irregularities to ensure that required depth of drainage layer can be installed, and elevation is in accordance with manufacturer's requirements.

C. Remove all obstructions that extend into drainage layer within composite nailer boards.

D. Perform rough and finish grading, see Section 312200.

E. Shape to profile indicated on drawings and compact by proof rolling to minimum 95 percent, in compliance with ASTM D698.

F. Flatness Tolerance: 1/2 inch in 10 feet, maximum.

G. Perform percolation test at lowest elevation of subgrade, in compliance with ASTM STP322-1.
   1. Report results to Architect.
   2. If percolation is less than 1 inch in 3 hour period, do not proceed.

H. Verify that subgrades are at proper elevations and that smooth grading is complete.

3.02 TRENCHING AND BACKFILLING

A. Lay out trenching for entire drainage network prior to excavation, as indicated on drawings.

B. Excavate trenches in accordance with drawings.

C. Mirror base of trenches to finish grade.

D. Open trenches require presence of daily site activity.

E. Repair deviations from plans after drainage pipe installation and prior to installing geotextile.

F. See Section 312316.13 for trenching.

3.03 DRAINAGE PIPE

A. Install all piping and fittings as indicated on drawings.

B. Install collector lines prior to laterals with deepest excavations first.

C. Connect collector lines to discharge outlet prior to field use.

D. Completion of installation in accordance to design requires approval by Architect.

E. See Section 334211 for drainage pipe.

3.04 GEOTEXTILE

A. Verify that subgrade is free of ruts or protruding objects.

B. Install geotextile over subgrade in drainage trenches first, prior to field installation.

C. Lap minimum 36 inches width at seams. Adhere seams in accordance with manufacturer's recommendations.

D. Install smooth, and free of tensile stresses, folds, or wrinkles.

E. Protect from clogging, tears, or other damage during surfacing installation.

F. Repair or replace damaged geotextile in accordance with manufacturer's recommendations.

3.05 DRAINAGE AGGREGATE

A. Loose Fill Surfacing:
   1. Flatness Tolerance: 1/4 inch in 10 feet, maximum.
   2. Correct high and low areas in accordance with design drawings.
   3. Match top of layer with top of edge anchoring.

4. Prevent base stone from entering into loose fill surfacing layer. Prevent loose fill from entering into base stone layer.

B. Base Stone:
   1. Flatness Tolerance: 1/2 inch in 10 feet, maximum.
   2. Correct high and low areas in accordance with design drawings.
   3. Mirror base stone elevations to final elevations.
   4. Prevent disturbance to geotextile during installation.
   5. Approval of drainage piping by Architect required prior to commencement of installation. Prevent disturbance of drainage piping during installation.

3.06 SHOCK ABSORBING COURSE

3.07 EDGE ANCHORING

A. Layout composite nailer boards. Approval of locations by Architect required prior to installing.

B. Install along full perimeter of synthetic grass.

C. Fasten to border with case hardened screws at 24 inch on center, minimum.

D. Set top of edging flush or recessed 1/2 inch below top of border, maximum.

3.08 BORDER

A. Verify that site furnishings and composite nailer boards located within project area are complete.

B. Sidewalks: Match to top elevation or increase by 1/2 inch above edge anchoring, maximum. See Section 033000 for cast-in-place sidewalks.

C. Concrete Curb: Install concrete curb in new projects with perimeter fence separating synthetic grass from adjacent areas. Elevate curb 1-1/2 inch higher than outside soil surfaces. Slope top surface outward from synthetic grass. See Section 033000 for cast-in-place curb.

D. Chain Link Fence: Align centerlines of fence and curb. Apply grout to each curb hole installed with fence post, securing post in place. See Section 323113 for chain link fences and gates.

3.09 SYNTHETIC GRASS

A. Carpet Rolls:
   1. Unroll all carpet in same direction.
   2. Prevent seams from being located over impact mats.
   3. Allow carpet to rest for at least 4 hours after unrolling and prior to seaming.
   4. Smooth seams and edges, eliminate overlaps and gaps.

B. Seaming:
   1. Cut: Straight, with clean and smooth edge.
   2. Method:

C. Securing: Staple carpet to edging 1 inch (25 mm) on center.

3.10 INFILL

A. Apply during dry weather without signs of moisture on synthetic grass.

B. Thoroughly brush synthetic grass prior to infill installation.

C. Apply infill uniformly in multiple lifts, brush fibers between each application.

D. Measure depth to confirm accordance with plans.

3.11 CLEANING

A. Clean surrounding areas of excess construction materials, debris, and waste.

B. Remove excess and waste material and dispose of off-site in accordance with requirements of authorities having jurisdiction.

END OF SECTION

SECTION 323113
CHAIN LINK FENCES AND GATES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Posts, rails, and frames.

B. Wire fabric.

C. Concrete.

D. Manual gates with related hardware.

E. Accessories.

1.02 RELATED REQUIREMENTS

A. Section 033000 - Cast-in-Place Concrete: Concrete anchorage for posts.

1.03 REFERENCE STANDARDS

A. ASTM A392 - Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric; 2011a (Reapproved 2022).

B. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2018a.

C. ASTM F567 - Standard Practice for Installation of Chain-Link Fence; 2023.

D. ASTM F1043 - Standard Specification for Strength and Protective Coatings on Steel Industrial Fence Framework; 2018 (Reapproved 2022).

E. ASTM F1083 - Standard Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures; 2018 (Reapproved 2022).

F. BHMA A156.3 - Exit Devices; 2020.

G. CLFMI CLF-FIG0111 - Field Inspection Guide; 2014.

H. CLFMI CLF-PM0610 - Product Manual; 2017.

I. CLFMI CLF-SFR0111 - Security Fencing Recommendations; 2014.

J. CLFMI WLG 2445 - Wind Load Guide for the Selection of Line Post and Line Post Spacing; 2018.

K. FS RR-F-191/1D - Fencing, Wire and Post Metal (Chain-Link Fence Fabric); 1990.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on fabric, posts, accessories, fittings and hardware.

C. Design Calculations: For high wind load areas, provide calculations for fence fabric and accessory selection as well as line post spacing and foundation details. See CLFMI WLG 2445 for line post and spacing guidance.

D. Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, and schedule of components. See CLFMI CLF-SFR0111 for planning and design recommendations.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

B. Fence Installer: Company with demonstrated successful experience installing similar projects and products, with not less than five years of documented experience.

1.06 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

B. Correct defective Work within a five year period after Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Chain Link Fences and Gates:
   1. Master-Halco, Inc; spectra Bond (extruded bonded PVC): www.masterhalco.com.
   2. Merchants Metals: www.merchantsmetals.com.
   3. Substitutions: See Section 016000 - Product Requirements.

2.02 COMPONENTS

A. Chain link Fence assembly shall be 6'-0" in height

B. Line Posts: 2.38 inch diameter.

C. Corner and Terminal Posts: 2.88 inch diameter.

D. Gate Posts: 3-1/2 inch diameter.

E. Top and Brace Rail: 1.66 inch diameter, plain end, sleeve coupled.

F. Bottom Rail: 1.66 inch diameter, plain end, sleeve coupled.

G. Gate Frame: 1.66 inch diameter for welded fabrication.

H. Fabric: 2 inch diamond mesh interwoven wire, 9 gauge, 0.1483 inch thick, top selvage knuckle end closed, bottom selvage knuckle end closed.

I. Tie Wire: Aluminum alloy steel wire.

2.03 MATERIALS

A. Posts, Rails, and Frames:
   1. ASTM A1011/A1011M, Designation SS; hot-rolled steel strip, cold formed to pipe configuration, longitudinally welded construction, minimum yield strength of 50 ksi; zinc coating complying with ASTM F1043 and ASTM F1083.
   2. Line Posts: Type I round in accordance with FS RR-F-191/1D.
   3. Terminal, Corner, Rail, Brace, and Gate Posts: Type I round in accordance with FS RR-F-191/1D.

B. Wire Fabric:
   1. ASTM F668 polymer-coated steel chain link fabric.
   2. Comply with CLFMI CLF-PM0610.

C. Concrete:
   1. Type specified in Section 033000.

2.04 MANUAL GATES AND RELATED HARDWARE

A. Hardware for Single Swinging Gates: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; fork latch with gravity drop and padlock hasp; keeper to hold gate in fully open position.

B. Hardware for Double Swinging Gates: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; drop bolt on inactive leaf engaging socket stop set in concrete, active leaf latched to inactive leaf preventing raising of drop bolt, padlock hasp; keepers to hold gate in fully open position.

C. Hinges: Finished to match fence components.
   1. Brackets: Round.
   2. Mounting: Center.
   3. Closing: Manual.
   4. Products:
      a. D&D Technologies USA, Inc; SHUT IT, Model _____: www.ddtech.com/#sle.
      b. Substitutions: See Section 016000 - Product Requirements.

D. Latches: Finished to match fence components.
    1. Brackets: Round.
    2. Locking: Magnetic.
    3. Products:
        a. Substitutions: See Section 016000 - Product Requirements.

2.05 LIGHT-DUTY ARCHITECTURAL HARDWARE

A. Exit Devices: Aluminum, 36 inches (914 mm) wide.
    1. Performance Criteria: Comply with BHMA A156.3, Grade 1.
    2. Provide strike of type recommended by manufacturer for application indicated.
    3. Products:
        a. Substitutions: See Section 016000 - Product Requirements.

B. Mechanical Latches: Steel latch, with mounting bracket for a nominal 1-5/8 inches (41 mm) diameter pipe post frame.

C. Roller Assembly: Steel chassis assembly with permanently-lubricated and sealed roller bearings.
    1. Weight Rating: 1,000 pound (454 kg).
    2. Shaft: 1 inch diameter hardened steel shaft.
    3. Roller: Polymer casting, secured to shaft with nylon locknut.
    4. Protective Cover: Manufacturer's standard UV-inhibited molded polyethylene casting.
        a. Color: Black.
    5. Mounting to Round Fence Post: U-bolts.
    6. Finish: Galvanized.
    7. Products:
        a. DAC Industries, Inc; Stealth Cantilever Roller: www.dacindustries.com.
        b. Substitutions: See Section 016000 - Product Requirements.

2.06 ACCESSORIES

A. Caps: Cast steel galvanized; sized to post diameter, set screw retainer.

B. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings; steel.

2.07 FINISHES

A. Components and Fabric: Vinyl coated over coating of 1.8 ounces per square foot galvanizing.

B. Accessories: Same finish as framing.

C. Color(s): Black.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verification of Conditions: Verify that areas are clear of obstructions or debris.

3.02 PREPARATION

A. Removal: Obstructions or debris.

3.03 INSTALLATION

A. Install framework, fabric, accessories and gates in accordance with ASTM F567.

B. Place fabric on outside of posts and rails.

C. Set intermediate posts plumb , in concrete footings with top of footing 2 inches above finish grade. Slope top of concrete for water runoff.

D. Line Post Footing Depth Below Finish Grade: ASTM F567.

E. Corner, Gate and Terminal Post Footing Depth Below Finish Grade: ASTM F567.

F. Brace each gate and corner post to adjacent line post with horizontal center brace rail and diagonal truss rods. Install brace rail one bay from end and gate posts.

G. Provide top rail through line post tops and splice with 6 inch long rail sleeves.

H. Do not stretch fabric until concrete foundation has cured 28 days.

I. Stretch fabric between terminal posts or at intervals of 100 feet maximum, whichever is less.

J. Position bottom of fabric 2 inches above finished grade.

K. Fasten fabric to top rail, line posts, braces, and bottom tension wire with tie wire at maximum 15 inches on centers.

L. Attach fabric to end, corner, and gate posts with tension bars and tension bar clips.

M. Install hardware and gate with fabric to match fence.

N. Peen all bolts upon installation.

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch.

B. Maximum Offset From True Position: 1 inch.

3.05 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

B. Layout: Verify that fence installation markings are accurate to design, paying attention to gate locations, underground utilities, and property lines.

C. Gates: Inspect for level, plumb, and alignment.

D. Workmanship: Verify neat installation free of defects. See CLFMI CLF-FIG0111 for field inspection guidance.

3.06 CLEANING

A. Leave immediate work area neat at end of each work day.

B. Clean jobsite of excess materials; scatter excess material from post hole excavations uniformly away from posts. Remove excess material if required.

C. Clean fence with mild household detergent and clean water rinse well.

D. Remove mortar from exposed posts and other fencing material using a 10 percent solution of muriatic acid followed immediately by several rinses with clean water.

E. Touch up scratched surfaces using materials recommended by manufacturer. Match touched-up paint color to factory-applied finish.

END OF SECTION

SECTION 323119
DECORATIVE METAL FENCES AND GATES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Decorative steel fences.

1.02 REFERENCE STANDARDS

A. ASTM A276/A276M - Standard Specification for Stainless Steel Bars and Shapes; 2017.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2022.

C. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus; 2019.

D. ASTM D523 - Standard Test Method for Specular Gloss; 2014 (Reapproved 2018).

E. ASTM D714 - Standard Test Method for Evaluating Degree of Blistering of Paints; 2002 (Reapproved 2017).

F. ASTM D822/D822M - Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings; 2013 (Reapproved 2018).

G. ASTM D1654 - Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments; 2008, with Editorial Revision (2017).

H. ASTM D2244 - Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates; 2022.

I. ASTM D2794 - Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact); 1993 (Reapproved 2019).

J. ASTM D3359 - Standard Test Methods for Rating Adhesion by Tape Test; 2023.

K. ASTM F2408 - Standard Specification for Ornamental Fences Employing Galvanized Steel Tubular Pickets; 2016 (Reapproved 2023).

1.03 SUBMITTALS

A. See Section 013000 - Administrative Requirements, for submittal procedures.

B. Product Data: Submit manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings:
   1. Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, gates, and schedule of components.

D. Manufacturer's Warranty.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.

B. Installer Qualifications: Experienced with type of construction involved and materials and techniques specified and approved by fence manufacturer.

1.05 DELIVERY, STORAGE AND HANDLING

A. Store materials in a manner to ensure proper ventilation and drainage. Protect against damage, weather, vandalism and theft.

1.06 WARRANTY

A. Correct defective Work within a five year period after Date of Substantial Completion.

B. Provide five year manufacturer warranty for defects in material finish including cracking peeling chipping, blistering, or corroding.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Decorative Metal Fences and Gates:
   1. Ameristar Perimeter Security, USA; Montage Plus: www.ameristarperimeter.com.
   2. Substitutions: See Section 016000 - Product Requirements.

2.02 FENCES

A. Fences: Complete factory-fabricated system of posts and panels, accessories, fittings, and fasteners; finished with electrodeposition coating, and having the following performance characteristics:
   1. Decorative fence assemble shall be 6'-0" in height
   2. Capable of resisting vertical load, horizontal load and infill performance requirements for fence categories defined in ASTM F2408.

B. Electro-Deposition Coating: Multistage pretreatment/wash with zinc phosphate, followed by epoxy primer and acrylic topcoat.
   1. Total Coating Thickness: 2 mils, minimum.
   2. Color: As selected by Architect from manufacturer's standard range.
   3. Coating Performance: Comply with general requirements of ASTM F2408.
      a. Adhesion: ASTM D3359 (Method B); Class 3B with 90 percent or more of coating remaining in tested area.
      b. Corrosion Resistance: ASTM B117, ASTM D714 and ASTM D1654; 1/8 inch coating loss or medium No.8 blisters after 1,500 hours.
      c. Impact Resistance: ASTM D2794; 60 inch pounds.
      d. Weathering Resistance: ASTM D523, ASTM D822/D822M and ASTM D2244; less than 60 percent loss of gloss.

C. Steel: ASTM A653/A653M; tensile strength 45,000 psi, minimum.
   1. Hot-dip galvanized; ASTM A653/A653M, G60.
   2. 62 percent recycled steel, minimum.

D. Fasteners: ASTM A276/A276M, Type 302 stainless steel; finished to match fence components.
   1. Tamper-proof security bolts.
   2. Self-drilling hex-head screws.

E. Gates: Detailed and finished to match fence components

F. Hinges: Finished to match fence components.
   1. Closing: Manual.

G. Latches: Finished to match fence components.
   1. Locking: Mechanical.

2.03 WELDED STEEL FENCE

A. Provide fence meeting requirements for Industrial class as defined by ASTM F2408.

B. Fence Panels: Fusion welded; 3 1/2 feet high by 6 feet long.
   1. Panel Style: Three rail.
   2. Attach panels to posts with manufacturer's standard panel brackets.

C. Posts: Steel tube.
   1. Size: 2-1/2 inches square by 16 gauge, 0.064 inch, with manufacturer's standard cap.

D. Rails: Manufacturer's standard, double-wall steel channel 1 1/2 inch square by 14 gauge, 0.080 inch with prepunched picket holes.
   1. Picket Retaining Rods: 0.125 inch galvanized steel.
   2. Picket-to-Rail Intersection Seals: PVC grommets.

E. Pickets: Steel tube.
   1. Spacing: 3-3/4 inch clear.
   2. Size: 3/4 inch square by 18 gauge, 0.0478 inch.
   3. Style: Flush top rail.

F. Flexibility: Capable of following variable slope of up to 1:2.

G. Color: Black.

2.04 ACCESSORIES

A. Caps: Cast steel galvanized; sized to post diameter, set screw retainer.

B. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings; steel.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to installation.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Set fence posts in accordance with the manufacturer recommended spacing.

C. When cutting rails immediately seal the exposed surfaces by:
   1. Removing metal shavings from cut area.
   2. Apply zinc-rich primer to thoroughly cover cut edge and drilled hole; allow to dry.
   3. Apply two coats of custom finish spray paint matching fence color.
   4. Failure to seal exposed surfaces in accordance with manufacturer's instructions will negate manufacturer's warranty.

D. Space gate posts according to the manufacturers' drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected.
   1. Base type and quantity of gate hinges on the application, weight, height, and number of gate cycles.
   2. Identify the necessary hardware required for the application on the manufacturer's gate drawings.
   3. Provide gate hardware by the manufacturer of the gate and install in compliance with manufacturer's recommendations.

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch.

B. Maximum Offset From Indicated Position: 1 inch.

C. Minimum Distance from Property Line: 6 inches.

3.05 FIELD QUALITY CONTROL

A. See Section 014000 - Quality Requirements, for additional requirements.

B. Layout: Verify that fence installation markings are accurate to design, paying attention to gate locations, underground utilities, and property lines.

C. Gates: Inspect for level, plumb, and alignment.

D. Workmanship: Verify neat installation free of defects.

3.06 CLEANING

A. Leave immediate work area neat at end of work day.

B. Clean jobsite of excess materials; scatter excess material from post hole excavations uniformly away from posts. Remove excess material if required.

C. Clean fence with mild household detergent and clean water rinse well.

D. Remove mortar from exposed posts and other fencing material using a 10 percent solution of muriatic acid followed immediately by several rinses with clean water.

E. Touch up scratched surfaces using materials recommended by manufacturer. Match touched-up paint color to factory-applied finish.

3.07 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair, or replace damaged products before Date of Substantial Completion.

END OF SECTION

SECTION 323300
SITE FURNISHINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Tether ball sets

B. Outdoor basketball goals

C.

1.02 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least five years of documented experience.

1.03 WARRANTY

A. See Section 017800 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 MANUFACTURES

A. Tetherball sets
   1. "Gared" (3) required: is used as reference standard
      a. Substitutions: See Section 016000-Product requrements

B. Adjustable outdoor basketball goals (2 required): see Section 116623 Gymnasium Equipment
   1. "Porter" is used as reference standard
      a. Substitutions: See Section 016000-Product requrements

C. Soccer goals (2) required
   1. "Vallarta" regulation size is used as reference standard
      a. Substitutions: See Section 016000-Product requrements

D. Swing sets (6 required)
   1. "Playground Equipment" 8' high arch post swing is used as reference standard

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify proper installation of mounting surfaces, preinstalled anchor bolts, and other mounting devices; and ready to receive site furnishing items.

3.02 INSTALLATION

A. Install site furnishings in accordance with manufacturer's installation instructions.

END OF SECTION

SECTION 323313
SITE BICYCLE RACKS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Exterior bicycle racks.

1.02 REFERENCE STANDARDS

A. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2022.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Exterior Bicycle Racks:
   1. American Bicycle Security Company; _____: www.ameribike.com/#sle.
   2. Columbia Cascade Company; _____: www.timberform.com/#sle.
   3. Ground Control Systems; Varsity Bike Dock: www.groundcontrolsystems.com/#sle.
   4. Highland Products Group, LLC; _____: www.indoorbikeracks.net/#sle.
   5. Huntco Supply, LLC; _____: www.huntco.com/#sle.
   6. MADRAX, a brand of Graber Manufacturing, Inc; _____: www.madrax.com/#sle.
   7. Neenah Foundry, a division of Neenah Enterprises, Inc; _____: www.nfco.com/#sle.
   8. Saris Infrastructure; _____: www.sarisinfrastructure.com/#sle.
   9. SiteScapes, Inc; _____: www.sitescapesonline.com/#sle.
   10. Sportworks; Tofino No Scratch Bike Rack: www.sportworks.com/#sle.

2.02 BICYCLE RACKS

A. Exterior Bicycle Racks: Device allows user-provided lock to simultaneously secure one wheel and part of the frame on each bicycle parked or racked.
   1. Style: Serpentine rack formed from a continuous round pipe.
      a. 7-loop wave style bike rack
   2. Capacity: Seven bicycles.
   3. Mounting, Ground: In-ground anchor.
   4. Finish: Powder coat, maintenance-free and weather-resistant.
   5. Color: As selected by Architect from manufacturer's standard range.
   6. Accessories: In-ground grout cover.

B. Materials:

PART 3 EXECUTION

3.01 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install level, plumb, square, and correctly located as indicated on drawings.

C. In-Ground Anchor Installation:
   1. Prepare holes in size according to manufacturer’s instructions.
   2. Place anchoring bolts through the holes in pipe.
   3. Lower rack into holes, ensuring the bottom of lower bends are at least 1-1/2 inch from the ground.
   4. Place concrete.
   5. Level rack before concrete sets.
   6. Support until dry.

END OF SECTION

SECTION 329223
SODDING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Placing topsoil.

B. Sod installation.

1.02 RELATED REQUIREMENTS

A. Section 312200 - Grading: Preparation of subsoil and placement of topsoil in preparation for the work of this section.

1.03 DEFINITIONS

A. Weeds: Includes Dandelion, Jimsonweed, Quackgrass, Horsetail, Morning Glory, Rush Grass, Mustard, Lambsquarter, Chickweed, Cress, Crabgrass, Canadian Thistle, Nutgrass, Poison Oak, Blackberry, Tansy Ragwort, Bermuda Grass, Johnson Grass, Poison Ivy, Nut Sedge, Nimble Will, Bindweed, Bent Grass, Wild Garlic, Perennial Sorrel, and Brome Grass.

1.04 REFERENCE STANDARDS

A. TPI (SPEC) - Guideline Specifications to Turfgrass Sodding; 2006.

1.05 QUALITY ASSURANCE

A. Sod Producer: Company specializing in sod production and harvesting with minimum five years experience, and certified by the State of Oklahoma.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver sod on pallets. Protect exposed roots from dehydration.

B. Do not deliver more sod than can be laid within 24 hours.

PART 2 PRODUCTS

2.01 MATERIALS

A. Sod: TPI (SPEC), Certified Turfgrass Sod quality; cultivated grass sod; type indicated in plant schedule on Drawings; with strong fibrous root system, free of stones, burned or bare spots; containing no more than 5 weeds per 1000 sq ft. Minimum age of 18 months, with root development that will support its own weight without tearing, when suspended vertically by holding the upper two corners.

1. Type: Bermuda Grass Type: 100 percent.
2. Thickness: "Thin" sod, minimum 3/4 inch and maximum 1 inch topsoil base.
3. Cut sod in area not exceeding 1 sq yd.
4. Machine cut sod and load on pallets in accordance with TPI (SPEC) Guidelines.

B. Water: Clean, fresh and free of substances or matter that could inhibit vigorous growth of grass.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that prepared soil base is ready to receive the work of this section.

3.02 LAYING SOD

A. Moisten prepared surface immediately prior to laying sod.

B. Lay sod immediately after delivery to site to prevent deterioration.

C. Lay sod smooth and tight with no open joints visible, and no overlapping; stagger end joints 12 inches minimum. Do not stretch or overlap sod pieces.

D. Where new sod adjoins existing grass areas, align top surfaces.

E. Where sod is placed adjacent to hard surfaces, such as curbs, pavements, etc., place top elevation of sod 1/2 inch below top of hard surface.

F. On slopes 6 inches per foot and steeper, lay sod perpendicular to slope and secure every row with wooden pegs at maximum 2 feet on center. Drive pegs flush with soil portion of sod.

G. Water sodded areas immediately after installation. Saturate sod to 4 inches of soil.

H. After sod and soil have dried, roll sodded areas to ensure good bond between sod and soil and to remove minor depressions and irregularities.

3.03 MAINTENANCE

A. Maintain lawn areas and planters until Substantial Completion

B. Mow grass at regular intervals to maintain at a maximum height of 2-1/2 inches. Do not cut more than 1/3 of grass blade at any one mowing.

C. Immediately remove clippings after mowing and trimming.

D. Water to prevent grass and soil from drying out.

END OF SECTION

SECTION 329300
PLANTS

PART 1 GENERAL

1.01 REFERENCE STANDARDS

A. ANSI/AHIA Z60.2 - American Standard for Nursery Stock; 2025.

B. ANSI A300 Part 1 - American National Standard for Tree Care Operations - Tree, Shrub, and Other Woody Plant Management - Standard Practices (Pruning); 2017.

1.02 QUALITY ASSURANCE

A. Nursery Qualifications: Company specializing in growing and cultivating the plants with five years documented experience.

1.03 FIELD CONDITIONS

A. Do not install plant life when ambient temperatures may drop below 35 degrees F or rise above 90 degrees F.

B. Do not install plant life when wind velocity exceeds 30 mph.

1.04 WARRANTY

A. Provide one year warranty.

PART 2 PRODUCTS

2.01 PLANTS

A. Plants: Species and size identified in plant schedule, grown in climatic conditions similar to those in locality of the work.

B. Provide allownce for materials and labor for (25) 2.5" caliper shumard oak trees

2.02 MULCH MATERIALS

END OF SECTION

OKLAHOMA Education

OKLAHOMA DEPARTMENT OF EDUCATION
CHILD NUTRITION PROGRAMS
CEP BASE YEAR APPROVAL

School District/RCCI Name: Enid Public School

County/District Code: 24-I057 **School Year (Base Year)** 2025

Current CEP Percentages (In CARS, if applicable): Free:_____% Paid:_____% N/A ☑

Applying For: **Individual Site** ☐ **District-Wide** ☑ **Group of Sites** ☐

Site Name/Group of Sites:

105 Adams ES 120 Coolidge ES 125 Eisenhower ES 130 Garfield ES
132 Glenwood ES 137 Hayes ES 140 Hoover ES 160 McKinley ES
165 Monroe ES 170 Prairie View ES 175 Taft ES 505 Emerson ES
510 Longfellow MS 515 Dewitt Waller MS 705 Enid HS

Did the LEA submit supporting documentation to substantiate the number of enrolled students? Yes ☑ No ☐

Did the LEA submit supporting documentation for ***ALL*** children directly certified? Yes ☑ No ☐

Total Claiming Percentage of FREE meals for ALL SITES
(List all numbers after the decimal) 95.25 %

Total Claiming Percentage of PAID meals for ALL SITES:
(List all numbers after the decimal) 4.75 %

CEP APPROVAL: **YES** ☑ **NO** ☐

Comments/Notes:

CFO Enid Public Schools 6/30/25
District Signature & Title Date

6/25/25
Regional CN Program Specialist Signature Date

Consent Agenda

IV. A. 2. Claims / Encumbrances for FY 2025

Claims:

2. Fiscal Year 2025 Encumbrances
   a. General Fund Encumbrances for FY 2025 $406,971.80 (P.O. #'s 2774 – 2787)
   b. General Fund Change Orders since 06/18/25 $(570,468.63) (P.O. #'s 1 - 2773)
   c. Building Fund Encumbrances for FY 2025 $39,359.00 (P.O. # 116)
   d. Building Fund Change Orders since 06/18/25 $(125.37) (P.O. #'s 1- 115)
   e. 2010 General Obligation Revenue Lease Payment Bond Fund Change Orders since 6/18/2025 $(159,823.34)

Administrative Recommendation:

Your administration recommends approval of these routine items.

Board Action Required.

Enid Public Schools

Encumbrance Register

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, PO Range: 2774 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	2774	06/18/2025	16410	EAGLE HERITAGE ROOFING INC	ROOFING FOR EHS 325	18,500.00
11	2775	06/18/2025	16248	SLATER MECHANICAL LLC	install a new heat pump north tennis building	12,445.00
11	2776	06/18/2025	16248	SLATER MECHANICAL LLC	EHS a new fan motor for the girl's locker room	1,890.00
11	2777	06/20/2025	14672	WILSON LANGUAGE TRANING CORP	Consumable Materials for 25-26 (KJ)	73,813.95
11	2778	06/27/2025	16091	LANG WELL DRILLING INC	Hoover Courtyard Ground and Dirt Wok, and Gravel	54,204.00
11	2779	06/27/2025	16388	JOE STENGLE	Painting 5 Classrooms EHS	7,919.00
11	2780	06/27/2025	8065	STAN'S ASPHALT CONSTRUCTION INC	Asphalt for Glenwood Playground	17,839.80
11	2781	06/27/2025	2817	HENSON CONSTRUCTION CO.	Paint Gutters and Sod Red School House	45,000.00
11	2782	06/27/2025	6856	EAGLE CONCRETE DAN ELLIOTT	Replace concrete West parking Hayes	95,000.00
11	2783	06/27/2025	320	MERRIFIELD OFFICE PLUS	Waller Classroom Furniture	31,165.50
11	2784	06/27/2025	320	MERRIFIELD OFFICE PLUS	Longfellow Chairs and Soft Seating	13,980.00
11	2785	06/30/2025	4947	KLINE SIGN, LLC	EHS Marquee	350.00
11	2787	06/30/2025	14316	MARKHAM RESTAURANT SUPPLY CO INC	Longfellow New Ovens	34,864.55

Non-Payroll Total:	**$406,971.80**
Payroll Total:	**$0.00**
Balance Forward:	**$0.00**
Report Total:	**$406,971.80**

Enid Public Schools

Change Order Listing

Options: Fund(s): GENERAL FUND, Year: 2024-2025, ReferenceDate: PO Date, Date Range: 6/18/2025 - 6/30/2025, PO Range: 1 - 2773, Include Negative Changes: True

PO No	Date	Vendor No	Vendor	Description	Amount
4	07/01/2024	11186	INTEGRIS OCCUP MEDICINE ENID	PHYSICALS & EXAMS - EPS EMPLOYEES	-9,015.00
7	07/01/2024	70486	PATRICK W CARROLL	EST OF NEEDS, ETC	-283.96
13	07/01/2024	493	CITY OF ENID	SECURITY FOR HOME GAMES	-3,057.15
14	07/01/2024	17419	CONSTELLATION NEWENERGY INC	OPEN MARKET NAT GAS	-15,861.15
15	07/01/2024	170	ENID CHAMBER OF COMMERCE	MEMBERSHIP	-65.00
17	07/01/2024	74448	DUDLEY D DARROW	SUPERINTENDENT REIMBURSEMENT	-2,000.00
23	07/01/2024	5821	OKLAHOMA DEPARTMENT OF LABOR	ELEVATOR INSPECTIONS	-675.00
25	07/01/2024	354	OKLAHOMA NATURAL GAS	ESTIMATE NATURAL GAS	-9,362.35
26	07/01/2024	1075	OKASBO	CFO & STAFF MEMBERSHIPS	-725.00
33	07/01/2024	77788	SAM J ROBINSON	EXP ESTIMATE	-1,107.57
35	07/01/2024	1046	ST. MARY'S HOSPITAL	LAB WORK FY 2024	-1,000.00
37	07/01/2024	12516	UMB BANK N.A.	AGENT FEES	-1,100.00
38	07/01/2024	5199	UNITED SUBURBAN SCHOOLS ASSN	MEMBERSHIP FY 2025	-250.00
44	07/01/2024	16175	WESTERN SURETY CO	SURETY BOND OK BUILDING CONTRACTOR CITY OF ENID	-50.00
45	07/01/2024	16983	MUNI SERVICES LLC	ARBITRAGE	-500.00
46	07/01/2024	99050	CENTRAL KITCHEN-FOOD SERVICE	As needed food items for district meetings	-884.00
47	07/01/2024	6307	FEDEX GROUND, INC.	RETURNS	-500.00
48	07/01/2024	15837	INTERQUEST DETECTION CANINES OF OK	K-9 VISITS FOR ALL SECONDARY SITES	-1,800.00
51	07/01/2024	320	MERRIFIELD OFFICE PLUS	CALENDARS FOR YEAR 2025	-250.00
52	07/01/2024	4947	KLINE SIGN, LLC	PRAIRIE VIEW-FLAGS-OKLAHOMA & AMERICAN	-25.00
57	07/01/2024	320	MERRIFIELD OFFICE PLUS	RECEIVING OFFICE SUPPLIES	-2,000.00
58	07/01/2024	17901	SYLOGISTED INC	Warrants	-1,445.20
59	07/01/2024	320	MERRIFIELD OFFICE PLUS	MESH BACK TASK CHAIRS-FOR STOCK	-293.00
60	07/01/2024	6303	GLOBAL SPECTRUM LP	CATERING-ADMIN BREAKFAST	-1,720.00
62	07/01/2024	1054	SECURITY NATIONAL BANK	T BILL FEE	-750.00
63	07/01/2024	4947	KLINE SIGN, LLC	New Flags Selby and DA	-2,500.00
65	07/01/2024	5016	UNIVERSAL CLEANING	ASC, SSC, IT JANITORIAL	-5,586.38
71	07/01/2024	5016	UNIVERSAL CLEANING	PACER SOFTBALL FIELD-CUSTODIAL SERVICES	-527.38
74	07/01/2024	5016	UNIVERSAL CLEANING	SELBY STADIUM-CUSTODIAL SERVICES	-799.85
76	07/01/2024	5016	UNIVERSAL CLEANING	EHS-STRIP, SCRUB, WAX FLOORS	-16,351.40
83	07/01/2024	13208	ARVEST BANK	P-Card Travel 1-9466	-1,000.00
84	07/01/2024	13208	ARVEST BANK	P-Card Travel 2-9474	-1,000.00
85	07/01/2024	13208	ARVEST BANK	P-Card Travel 3-9482	-1,000.00
86	07/01/2024	13208	ARVEST BANK	P-Card 1-5393	-1,000.00
87	07/01/2024	13208	ARVEST BANK	P-Card 2-9508	-1,000.00
88	07/01/2024	13208	ARVEST BANK	P-Card 3-9516	-1,000.00
89	07/01/2024	13208	ARVEST BANK	P-Card Activity Elementary 1-9342	-1,000.00

Enid Public Schools

Change Order Listing

Options: Fund(s): GENERAL FUND, Year: 2024-2025, ReferenceDate: PO Date, Date Range: 6/18/2025 - 6/30/2025, PO Range: 1 - 2773, Include Negative Changes: True

PO No	Date	Vendor No	Vendor	Description	Amount
90	07/01/2024	13208	ARVEST BANK	P-Card Activity Elementary 2-5035	-1,000.00
91	07/01/2024	13208	ARVEST BANK	P-Card Activity Elementary 3-9367	-1,000.00
92	07/01/2024	13208	ARVEST BANK	P-Card Activity Secondary 1-9318	-1,000.00
93	07/01/2024	13208	ARVEST BANK	P-Card Activity Secondary 2-9326	-1,000.00
94	07/01/2024	13208	ARVEST BANK	P-Card Activity Secondary 3-9334	-1,000.00
95	07/01/2024	13208	ARVEST BANK	P-Card Activity Athletics 1-9375	-1,000.00
96	07/01/2024	13208	ARVEST BANK	P-Card Activity Athletics 2-9383	-1,000.00
97	07/01/2024	13208	ARVEST BANK	P-Card Technology-9433	-1,000.00
98	07/01/2024	13208	ARVEST BANK	P-Card Sam Robinson - 9391	-1,000.00
99	07/01/2024	13208	ARVEST BANK	P-Card Travel 4-3595	-1,000.00
100	07/01/2024	13208	ARVEST BANK	P-Card Travel 5-3603	-1,000.00
101	07/01/2024	13208	ARVEST BANK	P-Card Travel 6-3611	-1,000.00
102	07/01/2024	13208	ARVEST BANK	P-Card Travel 7-3629	-1,000.00
103	07/01/2024	13208	ARVEST BANK	P-Card Travel 8-3637	-1,000.00
104	07/01/2024	13208	ARVEST BANK	P-Card Travel 9-3645	-1,000.00
105	07/01/2024	13208	ARVEST BANK	P-Card Travel 10-3652	-1,000.00
106	07/01/2024	13208	ARVEST BANK	P-CARD RON GARRISON - 9409	-1,000.00
107	07/01/2024	13208	ARVEST BANK	P-CARD RON GARRISON - 9409	-1,000.00
108	07/01/2024	13208	ARVEST BANK	P-CARD RICK MOULTON - 9417	-1,000.00
109	07/01/2024	13208	ARVEST BANK	P-CARD TECHNOLOGY - 9433	-1,000.00
110	07/01/2024	13208	ARVEST BANK	P-CARD DUDLEY DARROW - 9425	-1,000.00
111	07/01/2024	13208	ARVEST BANK	P-CARD SAM ROBINSON - 9391	-1,000.00
112	07/01/2024	13208	ARVEST BANK	P-CARD ACTIVITY ATHLETICS 2-9383	-1,000.00
113	07/01/2024	13208	ARVEST BANK	P-CARD ACTIVITY ATHLETICS 1-9375	-1,000.00
114	07/01/2024	13208	ARVEST BANK	P-CARD ACTIVITY SECONDARY 3-9334	-1,000.00
115	07/01/2024	13208	ARVEST BANK	P-CARD ACTIVITY SECONDARY 2-9326	-1,000.00
116	07/01/2024	13208	ARVEST BANK	P-CARD ACTIVITY SECONDARY 1-9318	-1,000.00
117	07/01/2024	13208	ARVEST BANK	P-CARD ACTIVITY ELEMENTARY 1-9342	-1,000.00
118	07/01/2024	13208	ARVEST BANK	P-CARD ADAMS TRAVEL 2187	-1,000.00
119	07/01/2024	13208	ARVEST BANK	P-CARD CARVER ECC TRAVEL 2195	-1,000.00
120	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 10-3652	-1,000.00
121	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 9-3645	-1,000.00
122	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 8-3637	-1,000.00
123	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 7-3629	-1,000.00
124	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 6-3611	-1,000.00
125	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 5-3603	-1,000.00
126	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 4-3595	-1,000.00
127	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 3-9482	-1,000.00
128	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 2-9474	-1,000.00
129	07/01/2024	13208	ARVEST BANK	P-CARD TRAVEL 1-9466	-1,000.00

Change Order Listing

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PO No	Date	Vendor No	Vendor	Description	Amount
130	07/01/2024	13208	ARVEST BANK	P-CARD 3-9516	-1,000.00
131	07/01/2024	13208	ARVEST BANK	P-CARD 2-9508	-1,000.00
132	07/01/2024	13208	ARVEST BANK	P-CARD COOLIDGE TRAVEL 2203	-1,000.00
133	07/01/2024	13208	ARVEST BANK	P-CARD INDENTOGO-0069	-1,000.00
134	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 4541	-500.00
135	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 4558	-500.00
136	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 4566	-500.00
137	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 2421	-500.00
138	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4582	-500.00
139	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4590	-500.00
140	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4608	-500.00
141	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4616	-500.00
142	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 6410	-500.00
143	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 6428	-500.00
144	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6402	-500.00
145	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6394	-500.00
146	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6386	-500.00
147	07/01/2024	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6378	-500.00
148	07/01/2024	13208	ARVEST BANK	P-CARD EISENHOWER TRAVEL 2211	-1,000.00
149	07/01/2024	13208	ARVEST BANK	P-CARD GARFIELD TRAVEL 2229	-1,000.00
150	07/01/2024	13208	ARVEST BANK	P-CARD GLENWOOD TRAVEL 2237	-1,000.00
151	07/01/2024	13208	ARVEST BANK	P-CARD HAYES TRAVEL 2245	-1,000.00
152	07/01/2024	13208	ARVEST BANK	P-CARD HOOVER TRAVEL 2252	-1,000.00
153	07/01/2024	13208	ARVEST BANK	P-CARD MCKINLEY TRAVEL 2260	-1,000.00
154	07/01/2024	13208	ARVEST BANK	P-CARD MONROE TRAVEL 2278	-1,000.00
155	07/01/2024	13208	ARVEST BANK	P-CARD PRAIRIE VIEW TRAVEL 2286	-1,000.00
156	07/01/2024	13208	ARVEST BANK	P-CARD TAFT TRAVEL 2294	-1,000.00
157	07/01/2024	13208	ARVEST BANK	P-CARD EMERSON TRAVEL 2302	-1,000.00
158	07/01/2024	13208	ARVEST BANK	P-CARD LONGFELLOW TRAVEL 2310	-1,000.00
159	07/01/2024	13208	ARVEST BANK	P-CARD WALLER TRAVEL 2328	-905.00
160	07/01/2024	15536	ENTERO SERVICES LLC	STUDENT DRUG TESTING FY 2025	-128.00

Change Order Listing

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PO No	Date	Vendor No	Vendor	Description	Amount
162	07/01/2024	369	PDQ PRINTING	TIME SHEETS-PINK-GREEN-YELLOW	-720.00
164	07/01/2024	16190	C AND C DRY CLEANING AND IRONING	DRY CLEANING TABLE CLOTHS	-934.00
165	07/01/2024	9876	LEADERSHIP GREATER ENID	CLASS TUITION	-600.00
166	07/01/2024	1075	OKASBO	CONFERENCE REGISTRATIONS	-450.00
167	07/01/2024	493	CITY OF ENID	EHS-APPLICATION FEE FOR REZONING PROPERTY	-600.00
168	07/01/2024	17565	CLARK MCKEEVER LAW	DISTRICT TITLE WORK	-8,000.00
210	07/01/2024	79466	HARRY MICHAEL CONRAD JR	REIMB TEACHER TESTING FEES	-40.00
211	07/01/2024	79326	PIPER LAUREN TUCKER	REIMB TEACHER TESTING FEES	-25.00
218	07/01/2024	78366	PAUL JOSEPH RAUPE	REIMB ADJUNCT CERTIFICATION	-27.00
222	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
223	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
224	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
225	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
226	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
227	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
228	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
229	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
230	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
231	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
232	07/01/2024	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	-27.00
238	07/01/2024	190	CENTRAL OKLAHOMA WATER SERVICES INC	ASC PALET OF WATER FOR MEETINGS	-2,000.00
239	07/01/2024	10375	ENID SYMPHONY CENTER	Tickets for Orchestra Students	-800.00
241	07/01/2024	17102	BRAUMS	DRINKS-ADMINISTRATOR MEETINGS	-339.38
242	07/01/2024	320	MERRIFIELD OFFICE PLUS	ASC-COFFEE SERVICE	-1,000.00
244	07/01/2024	702	GARFIELD COUNTY CLERK	FILING FEES	-500.00
245	07/01/2024	815	SOONER BINDERY INC	BINDING BOARD BOOKS	-250.00
246	07/01/2024	369	PDQ PRINTING	OPTION PERIOD ENROLLMENT BROCHURES	-1,000.00
247	07/01/2024	15027	ENID ROTARY CLUB	MEMBERSHIP	-315.00
249	07/01/2024	16719	eFMLA INC	eFMLA ANNUAL SUBSCRIPTION	-1,495.00
251	07/01/2024	493	CITY OF ENID	EHS-APPLICATION FEE FOR REZONING PROPERTY	-1,500.00
254	07/01/2024	17101	CHICK FIL A	CATERING-ADMIN BREAKFAST	-1,841.00
255	07/01/2024	8403	ENID POLICE DEPT.	DISPATCH SERVICE & GEO LOG	-1,950.00
262	07/01/2024	16935	NORTHWEST FIRE & SAFETY	Fire protection service & equipment	-9,433.26
312	07/01/2024	14333	KRETCHMAR DISTRIBUTING, INC.	Mower Parts	-379.86
325	07/01/2024	15303	NOVALCO INC	Repair of Handicapped Doors	-5,806.95
333	07/01/2024	14745	OTIS ELEVATOR COMPANY	SERVICE	-9,554.68
340	07/01/2024	70145	RONALD L GARRISON	TRAVEL, SUPPLIES, MISC	-500.00
342	07/01/2024	14639	SCHINDLER ELEVATOR CORPORATION	SERVICE FOR EMERSON & WALLER	-9,160.52
353	07/01/2024	12680	TITAN FENCE CO	SERVICES	-1,500.00

Change Order Listing

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PO No	Date	Vendor No	Vendor	Description	Amount
367	07/01/2024	16070	MID AMERICAN RESEARCH CHEMICAL CORP	WEED KILLER FOR BOYD FOR CAMPUS SPRAYING	-285.05
373	07/01/2024	11843	J & P SUPPLY, INC.	CAMPUS SUPPLY OVERAGES	-5,000.00
408	07/01/2024	11798	ABC COMPANIES	PARTS & REPAIRS	-1,000.00
413	07/01/2024	6753	ENID TAG AGENCY	TAGS	-79.71
414	07/01/2024	286	JANZEN OLDS	PARTS/REPAIRS	-2,110.01
419	07/01/2024	71306	RICKY L MOULTON	REIMBURSEMENT FOR TRAVEL BUS DRIVER	-1,419.99
421	07/01/2024	429	STANLEYS WRECKER LLC	TOWING	-2,410.00
428	07/01/2024	16507	TEMSA NORTH AMERICA INC	BUS PARTS	-2,031.80
433	07/01/2024	16819	FEDERAL MOTOR CARRIER SAFETY ADM	Driver checks with Federal Government	-437.50
436	07/01/2024	9908	WHEAT CAPITAL COMMUNICATIONS	2-way radios for transportaiton	-87.00
446	07/01/2024	16676	247SECURITY INC	Video Cameras	-3,000.00
447	07/01/2024	15831	AMAZON CAPITAL SERVICES INC	Bus Parts & Supplies	-210.00
449	07/01/2024	530	A & B RADIATOR SHOP	Bus repair and parts	-490.00
450	07/01/2024	17771	GFL ENVIRONMENTAL SERVICES USA INC	Discarding of used oil	-437.56
452	07/01/2024	5267	TOPS & STRIPES, INC.	Truck Accessories	-3,551.23
455	07/01/2024	15690	D & D TRUCK SALES INC	TOWING	-1,175.00
456	07/01/2024	17577	CITY PAINT WORKS LLC	paint/wrap for new bus	-4,343.50
479	07/01/2024	15825	CENTRAL STATES THERMO	VEH REPAIRS	-1,000.00
486	07/01/2024	12847	ENID OVERHEAD DOOR INC	REPAIRS	-350.00
487	07/01/2024	6770	FARHA WHOLESALE	PAPER GOODS	-1,067.82
494	07/01/2024	72855	KELLY R CRAIG	SUPPLIES	-165.48
496	07/01/2024	6996	LOWE'S HOME IMPROVEMENT WHSE.	SUPPLIES	-1,196.57
504	07/01/2024	320	MERRIFIELD OFFICE PLUS	OFFICE SUPPLIES	-20.16
507	07/01/2024	14270	SNA	RENEWAL CERTIFICATES	-1,545.00
511	07/01/2024	3427	RUSH TRUCK CENTERS OF OKLAHOMA	TRUCK REPAIRS	-4,083.50
512	07/01/2024	413	SHERWIN-WILLIAMS	PAINT AND SUPPLIES	-500.00
513	07/01/2024	346	NORTHCUTT CHEVROLET BUICK LLC	REPAIRS	-750.00
515	07/01/2024	16935	NORTHWEST FIRE & SAFETY	HOOD VENT CLEANING	-1,055.00
531	07/01/2024	320	MERRIFIELD OFFICE PLUS	SSC Office Supply Expenses FY25	-427.59
535	07/01/2024	70013	DAVID E ASTLEY	Class Activities/Teachers Pay Teachers FY25	-222.28
551	07/01/2024	10635	ACE HARDWARE	TOOLS, BLUE TOWELS, VELCRO, GLOVES	-5.50
552	07/01/2024	74259	ADINA M WHITE	OFFICE REIMBURSEMENT	-594.55
557	07/01/2024	14155	AT&T	District Cell and Pot Lines	-182.20
563	07/01/2024	15085	BRIGHTMARKET LLC	Software Licenses	-395.00
565	07/01/2024	11131	CDW-G	Technology parts and accessories	-16,605.06
566	07/01/2024	11131	CDW-G	Annual software maintenance	-2,500.00
571	07/01/2024	803	CHICKASAW TELECOM	APC Installation, Configuration and Training	-15,000.00
572	07/01/2024	803	CHICKASAW TELECOM	Hardware Equipment Erate 2019	-8,000.00
574	07/01/2024	17086	CHISHOLM BROADBAND LLC	Internet	-4,355.04

Change Order Listing

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PO No	Date	Vendor No	Vendor	Description	Amount
576	07/01/2024	15338	CONSORTIUM FOR SCHOOL NETWORKING	Yearly Membership & Conference Fee	-286.80
581	07/01/2024	15171	DIGI SECURITY SYSTEMS LLC	Access control support, parts and labor	-110.24
583	07/01/2024	16769	DIGICERT INC	Website Certification	-398.00
584	07/01/2024	15632	DOVESTONES SOFTWARE LTD	AD Software	-500.00
591	07/01/2024	14005	HELP DESK TECHNOLOGY CORPORATION	Annual Service Assurance Plan	-1,760.98
593	07/01/2024	14706	IMAGENET CONSULTING LLC	Document scanning and software	-2,750.60
595	07/01/2024	16889	INSIGNIA SIGNS INC	LED Screen repair	-500.00
597	07/01/2024	16457	INTERMEDIA NET INC	SIP Phone services	-2,793.89
600	07/01/2024	75238	JEFFERY A HERBEL	Travel, lodge and purchase reimbursement	-2,500.00
606	07/01/2024	15049	MEGATRAX PRODUCTION MUSIC, INC	Licensing for audio sound tracks	-329.08
608	07/01/2024	15212	MONOPRICE INC	Technology accessories and parts	-2,500.00
609	07/01/2024	15752	MOYER SERVICES LLC	IT ELECTRICAL WORK	-911.00
610	07/01/2024	3325	MUNGER & KROUT INC	Work shirts for IT staff	-89.00
613	07/01/2024	5950	OK SOCIETY FOR TECH IN EDUC INC	District Membership fee, conference registration	-3,325.00
614	07/01/2024	1075	OKASBO	Registration and Fees	-300.00
615	07/01/2024	352	OKLAHOMA GLASS & WALLPAPER INC	Door Repairs	-785.00
622	07/01/2024	17703	RAS TECHNOLOGY CONSULTANTS INC	Custom reports for PS integration	-700.00
626	07/01/2024	15558	SCORECASTS INC	Scorehub Subscription	-2,500.00
633	07/01/2024	17883	CRAWFORD ELECTRIC SUPPLY CO INC	Parts and Supplies	-2,441.74
646	07/01/2024	16491	TELCO SUPPLY CO	Softball Complex Data Install	-6,623.75
650	07/01/2024	11929	WALMART	Replacement TV's	-8,633.54
652	07/01/2024	122	ATWOODS DISTRIBUTION	Screws, bolts and install hardware	-215.55
654	07/01/2024	803	CHICKASAW TELECOM	Cisco Phone System Yearly	-67.20
656	07/01/2024	10109	ACCUFAX DIVISION SOUTHWEST INC	Blanket PO for background checks	-1,601.75
657	07/01/2024	3450	DAILY OKLAHOMAN	Blanket PO for personnel advertising FY 2025	-1,050.00
658	07/01/2024	8852	EAGLE MARKETING	Blanket PO for advertising FY 2025	-1,900.00
661	07/01/2024	292	P & J LLC JUMBO	Blanket PO for supplies for parties, board room	-652.60
662	07/01/2024	14309	MORPHO USA INC dba IDENTOGO	Satellite Fingerprint scan-HR	-7,275.00
663	07/01/2024	2439	NW TROPHY AND AWARDS LLC	Blanket PO for plaques and awards	-31.50
667	07/01/2024	13404	OKSPRA	Membership, Conference Fees	-300.00
668	07/01/2024	7638	OSU CAREER SERVICES/PLACEMENT	Registration fee for Education Career Fair	-340.00
672	07/01/2024	3841	TULSA WORLD	Blanket PO for personnel advertising	-495.00
673	07/01/2024	4307	UCO CAREER SERVICES	Registration fee for Education Career Fair	-200.00
675	07/01/2024	12844	HOUSTON PROMOTIONS	ADVERTISING MISC	-152.60
677	07/01/2024	71457	JANE M JOHNSON	Travel Expenses - Blanket PO FY 2025	-300.00
678	07/01/2024	71457	JANE M JOHNSON	Expenses - Blanket PO for FY 2025	-229.66

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PO No	Date	Vendor No	Vendor	Description	Amount
681	07/01/2024	14250	CURTIS D TUCKER	Advertising through Enid Buzz	-300.00
686	07/01/2024	18022	CALENDLY LLC	Scheduler for Welcome Center	-120.00
690	07/01/2024	13525	ARCHWAY SCM LLC	District Adopted Math Curriculum	-1,830.01
691	07/01/2024	13208	ARVEST BANK	P-CARD 6-4672	-1,000.00
692	07/01/2024	13208	ARVEST BANK	P-CARD 5-4664	-1,000.00
693	07/01/2024	13208	ARVEST BANK	P-CARD 4-4656	-1,000.00
696	07/01/2024	124	AUTRY TECHNOLOGY CENTER	NURSES-CPR CARDS, CLASS REGISTRATION & SUPPLIES	-442.00
697	07/01/2024	12021	NATIONAL ASSOC OF SCHOOL NURSES	NURSES-7 VSP CERTITICATES	-420.00
725	07/02/2024	15831	AMAZON CAPITAL SERVICES INC	Elementary Math Manipulatives	-245.07
729	07/02/2024	4179	DIDAX INC	Elementary Math Manipulatives	-783.28
769	07/02/2024	13208	ARVEST BANK	Out of Town Meals for Boys Soccer	-1,129.89
770	07/02/2024	13208	ARVEST BANK	Out of Town Meals for Girls Soccer	-1,074.26
805	07/08/2024	73032	DAVID SCOTT PENDLETON	DAVID ALLEN-REIMBURSEMENTS OF EXPENSES	-167.01
816	07/08/2024	292	P & J LLC JUMBO	Refreshments & Supplies for Work Study	-303.92
817	07/08/2024	292	P & J LLC JUMBO	Supplies for Work Study	-507.99
822	07/08/2024	292	P & J LLC JUMBO	Snacks for Testing	-307.83
878	07/15/2024	50282	EPS CHILD NUTRITION	snacks for students	-60.00
882	07/15/2024	5432	JOHNSTON SEED CO	WEED CHEMICALS	-288.00
891	07/17/2024	17476	HARBOR FREIGHT TOOLS USA INC	Classroom Supplies for Ag FY25	-154.46
912	07/17/2024	15116	HERCULES ACHIEVEMENT INC	Graduation Items FY25	-1,167.64
914	07/18/2024	18120	NUVEI TECHNOLOGIES INC	FY25 CREDIT CARD FEES	-140.36
947	07/23/2024	11843	J & P SUPPLY, INC.	Campus Kleenex	-1,149.68
955	07/24/2024	190	CENTRAL OKLAHOMA WATER SERVICES INC	Service, unit rental, and salt	-800.00
996	07/29/2024	190	CENTRAL OKLAHOMA WATER SERVICES INC	Salt and Supplies for Prairie View	-200.00
1071	08/06/2024	729	REMEDIA PUBLICATIONS INC	supplemental materials for HS ELD Classrooms	-500.00
1072	08/06/2024	17335	REALLY GREAT READING CO	supplemental materials for HS ELD classes	-266.80
1114	08/13/2024	292	P & J LLC JUMBO	Supplies for FCCLA FY25	-198.63
1129	08/13/2024	15752	MOYER SERVICES LLC	Tennis Courts Cat 6 and conduit	-4,305.70
1176	08/16/2024	15831	AMAZON CAPITAL SERVICES INC	Supplies for Art Fablab	-100.00
1184	08/19/2024	10992	ENID NOON AMBUCS	A. Rhoades - Enid Noon Ambucs membership dues	-151.30
1256	08/27/2024	320	MERRIFIELD OFFICE PLUS	Science Materials for Elementary Instruction	-368.11
1325	09/05/2024	14066	OKLAHOMA AUTISM NETWORK	Autism Workshop FY25	-825.00
1356	09/09/2024	13621	CMS COMMUNICATIONS INC	Phones and Network replacements for district	-244.46
1582	10/11/2024	9751	TRADE-MARK SIGNS INC	SIGNS	-9.00
1615	10/16/2024	77021	BRENDA GARCIA	EL resources and expenses	-340.81
1616	10/16/2024	73284	JENNIFER LOEFFLER FIELDS	EL resources and expenses	-379.11
1740	11/08/2024	16091	LANG WELL DRILLING INC	BROOMING TURF AT ELEM SITES	-1,350.00

Enid Public Schools

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PO No	Date	Vendor No	Vendor	Description	Amount
1767	11/12/2024	76706	RANDALL L RADER	FY25 REIMBURSEMENTS	-500.00
1867	11/20/2024	78857	AMARA NICOLE DETRICK	Reimbursement	-241.03
1869	11/20/2024	2633	DOUBLETREE/DOWNTOWN TULSA	hotel rooms for PLC conference	-74.74
1875	11/20/2024	72469	KATRINA TRACI SMITH	Reimbursement	-164.41
1890	11/22/2024	320	MERRIFIELD OFFICE PLUS	Supplies for Library FY25	-229.48
1898	12/02/2024	77213	PAMELA JO SEIGEL	Reimbursement	-98.09
1899	12/02/2024	75251	JENNIFER KATHRYN EDWARDS	Reimbursement	-182.45
1928	12/04/2024	320	MERRIFIELD OFFICE PLUS	Office Supplies	-1,376.74
1947	12/06/2024	2304	OKLAHOMA STATE DEPT OF HEALTH	CLIA Certification FY25	-248.00
1954	12/06/2024	373	PERMA-BOUND	Library books	-31.86
1981	12/11/2024	293	BEN E. KEITH-OKLAHOMA	Kitchen Food / Supplies	-69,724.16
2047	01/07/2025	15830	HERC RENTALS INC	Lift rental and other needs for technology install	-1,401.27
2061	01/08/2025	7010	ACT	2-day Onsite Professional Development	-34,650.00
2073	01/09/2025	72855	KELLY R CRAIG	Reimbursement	-3,187.27
2081	01/13/2025	14706	IMAGENET CONSULTING LLC	Replacement Part for the Video Transmitter	-68.15
2090	01/15/2025	2109	MIDWEST BAND	Marimba for Band	-3,595.00
2101	01/16/2025	17015	ENID AM AMBUCS	ANNUAL DUES	-540.00
2167	01/24/2025	78322	KAYLA ELAINE WALDROP	Waldrop - Meals Apr. 13-15, 2025 - PS Conf. Kansas	-100.00
2191	01/30/2025	17486	BADGEPASS INC	Hardware and Software Yearly Support	-1,500.00
2194	01/30/2025	348	OKLAHOMA GAS & ELECTRIC CO.	New service to aviation building	-500.00
2195	01/30/2025	15752	MOYER SERVICES LLC	Electrical Work in Side Office & BBall	-1,350.00
2201	01/31/2025	2931	TRI-STATE MUSIC FESTIVAL	Waller Band Entry Fee	-100.00
2206	02/03/2025	7353	SCHOOL MATE	Student Planners for 4th & 5th Grade Students	-500.00
2207	02/03/2025	6996	LOWE'S HOME IMPROVEMENT WHSE.	DECK SUPPLIES DAMB	-1,800.00
2240	02/07/2025	320	MERRIFIELD OFFICE PLUS	Miscellanous Office and School Supplies	-271.15
2249	02/07/2025	15831	AMAZON CAPITAL SERVICES INC	curriculum supplies	-800.00
2294	02/17/2025	10318	TOMMIE EUGENE SEEDORF	SNOW REMOVAL	-5,000.00
2317	02/24/2025	17900	HAMPTON INN & SUITES ATLANTA	Room for Ron Clark	-297.14
2325	02/25/2025	11929	WALMART	PCard at Walmart for 75" TV for Rhoades' office	-500.00
2327	02/25/2025	13683	BLASIER PRO LLC	Sound System Upgrade at Garfield	-1,214.99
2336	02/25/2025	2233	BLICK ART MATERIALS	Wit and Wisdom Art Instruction	-510.36
2355	02/26/2025	15831	AMAZON CAPITAL SERVICES INC	Games for Family Game Night	-293.43
2361	02/27/2025	18271	HEALTHY SMILES	DENTAL CARE FOR STUDENTS	-1,788.86
2367	02/27/2025	13208	ARVEST BANK	Student Meals	-187.91
2376	02/27/2025	17053	HRT SERVICE CO LLC	Lawn Mowing Services	-30,000.00
2381	02/28/2025	373	PERMA-BOUND	2026 Sequoyah Books	-307.34
2397	03/03/2025	2395	UNIQUE DESIGN STUDIO AND MORE	Marathon t-shirts and 5K t-shirts for running club	-651.00

Enid Public Schools

Change Order Listing

Options: Fund(s): GENERAL FUND, Year: 2024-2025, ReferenceDate: PO Date, Date Range: 6/18/2025 - 6/30/2025, PO Range: 1 - 2773, Include Negative Changes: True

PO No	Date	Vendor No	Vendor	Description	Amount
2398	03/03/2025	12302	LOVING GUIDANCE LLC	Conference Registration for Garfield Staff	-1,957.20
2400	03/03/2025	77789	SHANNON M ROBINSON	Snacks for students during state testing	-545.39
2401	03/03/2025	18276	CAMBRIDGE TRS INC	Admin Hotel - Conscious Discipline	-156.70
2414	03/05/2025	2543	FUTURE HORIZONS	Registration Fees	-259.80
2420	03/06/2025	18241	ANDREA MILLER	REIMBURSEMENT FOR PD TRIP	-150.00
2447	03/13/2025	15171	DIGI SECURITY SYSTEMS LLC	Tennis Wireless Bridge	-90.17
2452	03/13/2025	18288	LINDSAY ASH	REIMBURSEMENT FOR PD	-51.56
2454	03/13/2025	18289	BRANDI EHARDT	REIMBURSEMENT FOR PD	-113.65
2455	03/13/2025	18291	EMILY HOLLAND	REIMBURSEMENT FOR PD	-148.05
2456	03/13/2025	18290	KADEN KENNEDY	REIMBURSEMENT FOR PD	-622.29
2457	03/13/2025	16238	LEIGH M SANDWICK	REIMBURSEMENT FOR PD	-94.28
2459	03/13/2025	79112	ANGELA LEE RHOADES	FY25-Held reimbursement - expenses by A Rhoades	-665.00
2463	03/13/2025	77156	KRISTEN A JONES	Art materials for Kennedy program	-1,816.34
2469	03/13/2025	77789	SHANNON M ROBINSON	TEACHER MORALE MONEY	-163.31
2488	03/26/2025	2180	CCOSA	STUDENT HANDBOOK SESSION REGISTRATION	-100.00
2498	03/27/2025	5199	UNITED SUBURBAN SCHOOLS ASSN	DD Registration 2025 USSA Spring Conference	-50.00
2504	03/27/2025	10432	INSECT LORE	Caterpillars and Butterflies: Multiple Sites	-7.96
2506	03/31/2025	78856	MARY KIM WITHEY	Miscellanous Office and School Supplies	-242.94
2522	04/02/2025	197	DENNIS PLUMBING COMPANY INC	Plumbing Repairs	-4,376.51
2554	04/09/2025	292	P & J LLC JUMBO	P-Card: Purple Up Breakfast students & family/4-17	-250.00
2556	04/09/2025	637	SADDLEBACK EDUCATIONAL, INC.	ELL Tween Literacy sets for ELL students	-619.95
2558	04/09/2025	18000	NB EDUCATION EVENTS LLC	Nuts and Bolts Symposium Registration - 7 teachers	-225.00
2562	04/14/2025	13208	ARVEST BANK	Out of Town Meals for Ag	-120.43
2591	04/17/2025	10303	RENAISSANCE LEARNING, INC.	Renaissance - 4 Remote PD Sessions for 25/26	-1,650.00
2606	04/22/2025	17102	BRAUMS	Breakfast for Head Coaches Meeting	-150.00
2607	04/24/2025	15831	AMAZON CAPITAL SERVICES INC	Supplies for Waller Band	-420.08
2616	04/28/2025	76628	SARAH E OWENS	TEACHER MORALE MONEY	-252.85
2618	04/28/2025	18304	DESIGNS BY KING INC	Spinning Rifles	-74.00
2620	04/28/2025	17953	EPS CONCESSIONS	TEACHER MORALE MONEY	-102.28
2626	04/28/2025	16884	TPI STAFFING SERVICE INC	Staffing services	-519.05
2628	04/28/2025	17445	ALOFT HOTEL	2 NIGHTS FOR RANDY RADER	-243.83
2655	05/02/2025	13208	ARVEST BANK	Potential Items for PD Day	-576.35
2658	05/02/2025	2931	TRI-STATE MUSIC FESTIVAL	Entry Fee for Orchestra	-300.00
2666	05/06/2025	6613	PRECOLLEGIATE PROGRAMS	Pre-APSI Conference	-350.00
2667	05/06/2025	6770	FARHA WHOLESALE	paper goods & cleaning supplies	-473.86

Enid Public Schools

Change Order Listing

Options: Fund(s): GENERAL FUND, Year: 2024-2025, ReferenceDate: PO Date, Date Range: 6/18/2025 - 6/30/2025, PO Range: 1 - 2773, Include Negative Changes: True

PO No	Date	Vendor No	Vendor	Description	Amount
2672	05/07/2025	4281	MLCV OKLAHOMA LLC	Lodging for Tennis State	-1,484.00
2678	05/12/2025	13435	SJS HOSPITALITY LLC	Lodging for AP Conference	-30.59
2680	05/13/2025	78141	LINDSEY J SMALL	Meal Reimbursement for AP Conference	-118.37
2691	05/13/2025	77416	LORI KAY FLYNN	meal reimbursement	-122.04
2692	05/13/2025	12250	LA QUINTA INN & SUITES	Hotel stay during class	-35.95
2701	05/13/2025	17099	MCALISTERS DELI	STRATEGIC PLANNING	-641.21
2717	05/21/2025	16692	SPORTS WAREHOUSE INC	Replacement Girls Tennis Uniform	-59.80
2722	05/21/2025	78860	HANNA MARIE PRICE	Meal Reimbursement	-115.97
2728	05/22/2025	16493	SWADLEY'S SMOKED MEATS INC	SOLUTION TREE TRAINING	-1,137.20
2732	05/27/2025	12010	TEACHER DIRECT	summer school games	-3,500.00
2735	05/27/2025	369	PDQ PRINTING	Flyers/Brochures for family communcation	-100.00
2736	05/28/2025	17101	CHICK FIL A	SOLUTION TREE TRAINING	-0.95
2737	05/30/2025	17101	CHICK FIL A	SOLUTION TREE TRAINING	-4.00
2738	05/30/2025	6515	DAYLIGHT DONUTS	SOLUTION TREE TRAINING	-0.50
2741	06/03/2025	18335	SLOOH LLC	Astronomy Educator Subscription Fee	-750.00
2748	06/04/2025	12680	TITAN FENCE CO	Fencing Patches at Fowler and Taft	-300.00
2749	06/04/2025	18342	CHEAPPINS LLC	LETRS PINS	-994.00
2751	06/04/2025	77137	APRIL LYNN STANLEY	Reimbursement for Conscious Discipline: A Stanley	-35.49
2752	06/04/2025	77789	SHANNON M ROBINSON	Reimbursement Conscious Discipline: S. Robinson	-110.57
2753	06/04/2025	75064	JAMIE LYN AGUILAR	Reimbursement for Conscious Discipline: J. Aguilar	-20.14
2757	06/04/2025	75980	TONI WYNETTE WEBB	Reimbursement for Conscious Discipline: T. Webb	-6.69
2761	06/11/2025	18345	AVID HOTELS HAYS	LODGING FOR BUS DRIVERS	-8.56
2762	06/11/2025	78698	ROBERT E KEISER	MEAL EXP FOOTBALL TO CAMP	-164.00

Non-Payroll Total:	**($570,468.63)**
Payroll Total:	**$0.00**
Report Total:	**($570,468.63)**

Enid Public Schools

Encumbrance Register

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, PO Range: 116 - 4999, Fund(s): BUILDING FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
21	116	06/27/2025	2390	EASLEY ASSOCIATES INC	Architectural Services for EHS VoAg Building	39,359.00

Non-Payroll Total:	**$39,359.00**
Payroll Total:	**$0.00**
Balance Forward:	**$0.00**
Report Total:	**$39,359.00**

Enid Public Schools

Change Order Listing

Options: Fund(s): BUILDING FUND, Year: 2024-2025, ReferenceDate: PO Date, Date Range: 6/18/2025 - 6/30/2025, PO Range: 1 - 115, Include Negative Changes: True

PO No	Date	Vendor No	Vendor	Description	Amount
85	03/19/2025	18081	DUNCAN LANDSCAPING LLC	Juniper Tree Wind Block Tennis	-125.37

Non-Payroll Total:	**($125.37)**
Payroll Total:	**$0.00**
Report Total:	**($125.37)**

Enid Public Schools

Change Order Listing

Options: Fund(s): 2010 G.O. Rev-Lease Pmt Bond F, Year: 2024-2025, ReferenceDate: PO Date, Date Range: 6/18/2025 - 6/30/2025, PO Range: 1 - 3, Include Negative Changes: True

PO No	Date	Vendor No	Vendor	Description	Amount
2	05/09/2025	17055	NORTHWEST TITLE OF ENID, LLC	Property Closings	-9,823.34
3	05/12/2025	3578	GUARANTEE ABSTRACT COMPANY	Property Closings	-150,000.00
				Non-Payroll Total:	**($159,823.34)**
				Payroll Total:	**$0.00**
				Report Total:	**($159,823.34)**

Consent Agenda

IV. A. 3. Claims / Encumbrances for FY 2026

Claims:

3. Fiscal Year 2026 Encumbrances
   a. General Fund Encumbrances for FY 2026 $12,833,247.09 (P.O. #'s 1 – 851)
   b. Building Fund Encumbrances for FY 2026 $1,536,131.50 (P.O. #'s 1 - 11)

Administrative Recommendation:

Your administration recommends approval of these routine items.

Board Action Required.

Consent Agenda

IV. A. 3. Claims / Encumbrances for FY 2026

Claims:

3. Fiscal Year 2026 Encumbrances
   a. General Fund Encumbrances for FY 2026 $12,833,247.09 (P.O. #'s 1 – 851)
   b. Building Fund Encumbrances for FY 2026 $1,536,131.50 (P.O. #'s 1 - 11)

Administrative Recommendation:

Your administration recommends approval of these routine items.

Board Action Required.

Enid Public Schools

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	1	07/01/2025	17901	SYLOGISTED INC	ACCOUNTING SOFTWARE LEASE AND SERVICES	42,644.67
11	2	07/01/2025	11642	OKLAHOMA SCHOOLS INSURANCE GROUP	PROPERTY, CASUALTY INS	765,897.00
11	3	07/01/2025	12887	OKLAHOMA SCHOOL ASSURANCE GROUP	WORKERS COMP COVERAGE	453,483.00
11	4	07/01/2025	11186	INTEGRIS OCCUP MEDICINE ENID	PHYSICALS & EXAMS - EPS EMPLOYEES	15,000.00
11	5	07/01/2025	16074	INTEGRATED REGISTER SYSTEMS INC	FINANCIAL RECEIPTING SYSTEM SERVICES	15,000.00
11	6	07/01/2025	321	MESSER-BOWERS COMPANY	SURETY BONDS FY 2026	7,000.00
11	7	07/01/2025	70486	PATRICK W CARROLL	EST OF NEEDS, ETC	16,000.00
11	8	07/01/2025	13669	METCALF LAND AND LAWN LLC	FERTILIZER & WEED CONTROL PER CONTRACT	70,000.00
11	9	07/01/2025	388	BARLOW EDUCATION MANAGEMENT	RETAINER FY 2026	3,000.00
11	10	07/01/2025	2180	CCOSA	DISTRICT MEMBERSHIPS & REGISTRATION	12,000.00
11	11	07/01/2025	493	CITY OF ENID	WATER AND SEWER	270,000.00
11	12	07/01/2025	493	CITY OF ENID	SECURITY FOR HOME GAMES	12,000.00
11	13	07/01/2025	17419	CONSTELLATION NEWENERGY INC	OPEN MARKET NAT GAS	120,000.00
11	14	07/01/2025	170	ENID CHAMBER OF COMMERCE	MEMBERSHIP	3,000.00
11	15	07/01/2025	226	ENID PUBLISHING CO.	LEGAL & BID NOTICE, PUBLISHING	5,000.00
11	16	07/01/2025	74448	DUDLEY D DARROW	SUPERINTENDENT REIMBURSEMENT	2,000.00
11	17	07/01/2025	996	GARFIELD COUNTY ELECTION BOARD	ESTIMATED ELECTION EXPENSE	10,000.00
11	18	07/01/2025	706	GARFIELD COUNTY TREASURER	REVALUATION	150,000.00
11	19	07/01/2025	14892	HAMMOCK ENTERPRISES, INC	CONFIDENTIAL SHREDDING	5,000.00
11	20	07/01/2025	6566	MAIL RUN LLC	PRESORT MAIL SERVICE	20,000.00
11	21	07/01/2025	5821	OKLAHOMA DEPARTMENT OF LABOR	ELEVATOR INSPECTIONS	900.00
11	22	07/01/2025	348	OKLAHOMA GAS & ELECTRIC CO.	UTILITIES	780,000.00
11	23	07/01/2025	354	OKLAHOMA NATURAL GAS	ESTIMATE NATURAL GAS	150,000.00
11	24	07/01/2025	1075	OKASBO	CFO & STAFF MEMBERSHIPS	2,000.00
11	25	07/01/2025	351	OKLAHOMA EMPLOYMENT SEC COMM	UNEMPLOYMENT	10,000.00
11	26	07/01/2025	13845	OKLAHOMA STATE ATTORNEY GENERAL	BOND TRANSCRIPT EXAM FEE	2,779.00
11	27	07/01/2025	359	OKLA STATE SCHOOL BOARDS ASSN	POLICY, ASSEMBLE, DUES	12,326.00
11	28	07/01/2025	359	OKLA STATE SCHOOL BOARDS ASSN	OPSUCA UNEMPLOYMENT ADMIN COSTS	11,500.00
11	29	07/01/2025	369	PDQ PRINTING	PUBLIC INFORMATION	10,000.00
11	30	07/01/2025	3638	PSAT/NMSQT	PSAT TESTS	5,000.00
11	31	07/01/2025	77788	SAM J ROBINSON	EXP ESTIMATE	1,200.00
11	32	07/01/2025	3288	ROSENSTEIN FIST AND RINGOLD	LEGAL SERVICES	44,000.00
11	33	07/01/2025	1046	ST. MARY'S HOSPITAL	LAB WORK FY 2026	1,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	34	07/01/2025	15483	STANDARD & POOR'S FINANCE SERV LLC	ANALYTICAL BOND RATING FY 2026	24,000.00
11	35	07/01/2025	12516	UMB BANK N.A.	AGENT FEES	2,000.00
11	36	07/01/2025	5199	UNITED SUBURBAN SCHOOLS ASSN	MEMBERSHIP FY 2026	1,900.00
11	37	07/01/2025	320	MERRIFIELD OFFICE PLUS	ASC OFFICE EXPENSES FY 2026	10,000.00
11	38	07/01/2025	190	CENTRAL OKLAHOMA WATER SERVICES INC	RENTAL, SVC & SALT -ASC	1,500.00
11	39	07/01/2025	226	ENID PUBLISHING CO.	NEWS PAPER SUBSCRIPTION	1,000.00
11	40	07/01/2025	359	OKLA STATE SCHOOL BOARDS ASSN	WORKSHOPS, REGISTRATIONS FOR ASC & BOARD MEMBERS	10,000.00
11	41	07/01/2025	16175	WESTERN SURETY CO	SURETY BOND OK BUILDING CONTRACTOR CITY OF ENID	50.00
11	42	07/01/2025	16983	MUNI SERVICES LLC	ARBITRAGE	500.00
11	43	07/01/2025	99050	CENTRAL KITCHEN-FOOD SERVICE	As needed food items for district meetings	1,000.00
11	44	07/01/2025	6307	FEDEX GROUND, INC.	RETURNS	500.00
11	45	07/01/2025	15837	INTERQUEST DETECTION CANINES OF OK	K-9 VISITS FOR ALL SECONDARY SITES	7,500.00
11	46	07/01/2025	16483	NATL ASSOC OF FEDERALLY IMP SCHOOLS	MEMBER DUES	350.00
11	47	07/01/2025	16884	TPI STAFFING SERVICE INC	CHILD NUTRITION	12,000.00
11	48	07/01/2025	320	MERRIFIELD OFFICE PLUS	CALENDARS FOR YEAR 2026	247.10
11	49	07/01/2025	4947	KLINE SIGN, LLC	PRAIRIE VIEW-FLAGS-OKLAHOMA & AMERICAN	1,000.00
11	50	07/01/2025	15686	AEL INC	ELEVATOR LIFT PARTS AND SERVICE	2,353.00
11	51	07/01/2025	15527	FLOYD & DRIVER, PLLC	ACQ OF GCEFFA FACILITY IMP	5,697.50
11	52	07/01/2025	8699	STEPHEN H MCDONALD AND ASSOC	PROFFESSIONAL BOND SERVICES FOR BOND ISSUANCE	58,000.00
11	53	07/01/2025	149	RK BLACK INC	Copier Cost For Copies	225,000.00
11	54	07/01/2025	320	MERRIFIELD OFFICE PLUS	RECEIVING OFFICE SUPPLIES	2,000.00
11	55	07/01/2025	17901	SYLOGISTED INC	Warrants	3,000.00
11	56	07/01/2025	320	MERRIFIELD OFFICE PLUS	MESH BACK TASK CHAIRS-FOR STOCK	1,089.00
11	57	07/01/2025	6303	GLOBAL SPECTRUM LP	CATERING-ADMIN BREAKFAST	2,500.00
11	58	07/01/2025	2488	OK NW AND PANHANDLE ADMIN ASSOC	Member Dues for Oklahoma NW Admin Assoc	500.00
11	59	07/01/2025	1054	SECURITY NATIONAL BANK	T BILL FEE	1,500.00
11	60	07/01/2025	4947	KLINE SIGN, LLC	New Flags Selby and DA	2,500.00
11	61	07/01/2025	17321	ESS SOUTH CENTRAL LLC	SUBSTITUTE COST FY 26	475,000.00
11	62	07/01/2025	5016	UNIVERSAL CLEANING	ASC, SSC, IT JANITORIAL	60,000.00
11	63	07/01/2025	5016	UNIVERSAL CLEANING	EHS CUSTODIAL SVC	250,000.00
11	64	07/01/2025	5016	UNIVERSAL CLEANING	FOWLER EARLY CHILDHOOD CENTER-MONTHLY CLEANING	33,000.00
11	65	07/01/2025	5016	UNIVERSAL CLEANING	HAYES - CUSTODIAL SERVICE	37,400.00
11	66	07/01/2025	5016	UNIVERSAL CLEANING	COOLIDGE ELEMENTARY - JANITORIAL SERVICES	61,600.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	67	07/01/2025	5016	UNIVERSAL CLEANING	DAVID ALLEN-CUSTODIAL SERVICES	10,000.00
11	68	07/01/2025	5016	UNIVERSAL CLEANING	PACER SOFTBALL FIELD-CUSTODIAL SERVICES	4,000.00
11	69	07/01/2025	5016	UNIVERSAL CLEANING	EPS RELATED SERVICES CENTER	1,500.00
11	70	07/01/2025	5016	UNIVERSAL CLEANING	QUARTERLY GYM FLOOR CLEANING MONDO FLOORS	15,000.00
11	71	07/01/2025	5016	UNIVERSAL CLEANING	SELBY STADIUM-CUSTODIAL SERVICES	12,000.00
11	72	07/01/2025	5016	UNIVERSAL CLEANING	WAXING/BUFFING FLOORS-HALLS & CLASS ROOMS	28,000.00
11	73	07/01/2025	5016	UNIVERSAL CLEANING	EHS-STRIP, SCRUB, WAX FLOORS	58,000.00
11	74	07/01/2025	5016	UNIVERSAL CLEANING	GARFIELD JANITORAL SERVICES	75,000.00
11	75	07/01/2025	5016	UNIVERSAL CLEANING	WALLER JANITORIAL SERVICES	80,000.00
11	76	07/01/2025	5016	UNIVERSAL CLEANING	SUBSTITUTE CUSTODIAL CLEANING	10,000.00
11	77	07/01/2025	5016	UNIVERSAL CLEANING	TRANSPORTATION BLDG	3,000.00
11	78	07/01/2025	5016	UNIVERSAL CLEANING	FLOOR REFINISHED-EMS, WMS, LMS, EHS, GLENWOOD	34,000.00
11	79	07/01/2025	5016	UNIVERSAL CLEANING	WASH ALL WINDOWS EXTERIOR ONLY	4,000.00
11	80	07/01/2025	13208	ARVEST BANK	P-Card Travel 1-9466	1,000.00
11	81	07/01/2025	13208	ARVEST BANK	P-Card Travel 2-9474	1,000.00
11	82	07/01/2025	13208	ARVEST BANK	P-Card Travel 3-9482	1,000.00
11	83	07/01/2025	13208	ARVEST BANK	P-Card 1-5393	1,000.00
11	84	07/01/2025	13208	ARVEST BANK	P-Card 2-9508	1,000.00
11	85	07/01/2025	13208	ARVEST BANK	P-Card 3-9516	1,000.00
11	86	07/01/2025	13208	ARVEST BANK	P-Card Activity Elementary 1-9342	1,000.00
11	87	07/01/2025	13208	ARVEST BANK	P-Card Activity Elementary 2-5035	1,000.00
11	88	07/01/2025	13208	ARVEST BANK	P-Card Activity Elementary 3-9367	1,000.00
11	89	07/01/2025	13208	ARVEST BANK	P-Card Activity Secondary 1-9318	1,000.00
11	90	07/01/2025	13208	ARVEST BANK	P-Card Activity Secondary 2-9326	1,000.00
11	91	07/01/2025	13208	ARVEST BANK	P-Card Activity Secondary 3-9334	1,000.00
11	92	07/01/2025	13208	ARVEST BANK	P-Card Activity Athletics 1-9375	1,000.00
11	93	07/01/2025	13208	ARVEST BANK	P-Card Activity Athletics 2-9383	1,000.00
11	94	07/01/2025	13208	ARVEST BANK	P-Card Technology-9433	1,000.00
11	95	07/01/2025	13208	ARVEST BANK	P-Card Sam Robinson - 9391	1,000.00
11	96	07/01/2025	13208	ARVEST BANK	P-Card Travel 4-3595	1,000.00
11	97	07/01/2025	13208	ARVEST BANK	P-Card Travel 5-3603	1,000.00
11	98	07/01/2025	13208	ARVEST BANK	P-Card Travel 6-3611	1,000.00
11	99	07/01/2025	13208	ARVEST BANK	P-Card Travel 7-3629	1,000.00
11	100	07/01/2025	13208	ARVEST BANK	P-Card Travel 8-3637	1,000.00
11	101	07/01/2025	13208	ARVEST BANK	P-Card Travel 9-3645	1,000.00
11	102	07/01/2025	13208	ARVEST BANK	P-Card Travel 10-3652	1,000.00
11	103	07/01/2025	13208	ARVEST BANK	P-CARD RON GARRISON - 9409	1,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	104	07/01/2025	13208	ARVEST BANK	P-CARD RON GARRISON - 9409	1,000.00
11	105	07/01/2025	13208	ARVEST BANK	P-CARD RICK MOULTON - 9417	1,000.00
11	106	07/01/2025	13208	ARVEST BANK	P-CARD TECHNOLOGY - 9433	1,000.00
11	107	07/01/2025	13208	ARVEST BANK	P-CARD DUDLEY DARROW - 9425	1,000.00
11	108	07/01/2025	13208	ARVEST BANK	P-CARD SAM ROBINSON - 9391	1,000.00
11	109	07/01/2025	13208	ARVEST BANK	P-CARD ACTIVITY ATHLETICS 2-9383	1,000.00
11	110	07/01/2025	13208	ARVEST BANK	P-CARD ACTIVITY ATHLETICS 1-9375	1,000.00
11	111	07/01/2025	13208	ARVEST BANK	P-CARD ACTIVITY SECONDARY 3-9334	1,000.00
11	112	07/01/2025	13208	ARVEST BANK	P-CARD ACTIVITY SECONDARY 2-9326	1,000.00
11	113	07/01/2025	13208	ARVEST BANK	P-CARD ACTIVITY SECONDARY 1-9318	1,000.00
11	114	07/01/2025	13208	ARVEST BANK	P-CARD ACTIVITY ELEMENTARY 1 -9342	1,000.00
11	115	07/01/2025	13208	ARVEST BANK	P-CARD ADAMS TRAVEL 2187	1,000.00
11	116	07/01/2025	13208	ARVEST BANK	P-CARD CARVER ECC TRAVEL 2195	1,000.00
11	117	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 10-3652	1,000.00
11	118	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 9-3645	1,000.00
11	119	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 8-3637	1,000.00
11	120	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 7-3629	1,000.00
11	121	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 6-3611	1,000.00
11	122	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 5-3603	1,000.00
11	123	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 4-3595	1,000.00
11	124	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 3-9482	1,000.00
11	125	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 2-9474	1,000.00
11	126	07/01/2025	13208	ARVEST BANK	P-CARD TRAVEL 1-9466	1,000.00
11	127	07/01/2025	13208	ARVEST BANK	P-CARD 3-9516	1,000.00
11	128	07/01/2025	13208	ARVEST BANK	P-CARD 2-9508	1,000.00
11	129	07/01/2025	13208	ARVEST BANK	P-CARD COOLIDGE TRAVEL 2203	1,000.00
11	130	07/01/2025	13208	ARVEST BANK	P-CARD INDENTOGO-0069	1,000.00
11	131	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 4541	500.00
11	132	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 4558	500.00
11	133	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 4566	500.00
11	134	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 2421	500.00
11	135	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4582	500.00
11	136	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4590	500.00
11	137	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4608	500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	138	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 4616	500.00
11	139	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 6410	500.00
11	140	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS GENERAL 6428	500.00
11	141	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6402	500.00
11	142	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6394	500.00
11	143	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6386	500.00
11	144	07/01/2025	13208	ARVEST BANK	P-CARD STUDENT MEALS ACTIVITY 6378	500.00
11	145	07/01/2025	13208	ARVEST BANK	P-CARD EISENHOWER TRAVEL 2211	1,000.00
11	146	07/01/2025	13208	ARVEST BANK	P-CARD GARFIELD TRAVEL 2229	1,000.00
11	147	07/01/2025	13208	ARVEST BANK	P-CARD GLENWOOD TRAVEL 2237	1,000.00
11	148	07/01/2025	13208	ARVEST BANK	P-CARD HAYES TRAVEL 2245	1,000.00
11	149	07/01/2025	13208	ARVEST BANK	P-CARD HOOVER TRAVEL 2252	1,000.00
11	150	07/01/2025	13208	ARVEST BANK	P-CARD MCKINLEY TRAVEL 2260	1,000.00
11	151	07/01/2025	13208	ARVEST BANK	P-CARD MONROE TRAVEL 2278	1,000.00
11	152	07/01/2025	13208	ARVEST BANK	P-CARD PRAIRIE VIEW TRAVEL 2286	1,000.00
11	153	07/01/2025	13208	ARVEST BANK	P-CARD TAFT TRAVEL 2294	1,000.00
11	154	07/01/2025	13208	ARVEST BANK	P-CARD EMERSON TRAVEL 2302	1,000.00
11	155	07/01/2025	13208	ARVEST BANK	P-CARD LONGFELLOW TRAVEL 2310	1,000.00
11	156	07/01/2025	13208	ARVEST BANK	P-CARD WALLER TRAVEL 2328	1,000.00
11	157	07/01/2025	15536	ENTERO SERVICES LLC	STUDENT DRUG TESTING FY 2026	5,000.00
11	158	07/01/2025	8899	STUMP & ASSOCIATES	EST LEGAL FEES WORK VISAS FY26	10,000.00
11	159	07/01/2025	369	PDQ PRINTING	TIME SHEETS-PINK-GREEN-YELLOW	720.00
11	160	07/01/2025	14786	UNITED RENTALS (NORTH AMERICA), INC	BAND-SCISSOR LIFT RENTAL	4,000.00
11	161	07/01/2025	16190	C AND C DRY CLEANING AND IRONING	DRY CLEANING TABLE CLOTHS	1,000.00
11	162	07/01/2025	9876	LEADERSHIP GREATER ENID	CLASS TUITION	600.00
11	163	07/01/2025	1075	OKASBO	CONFERENCE REGISTRATIONS	1,200.00
11	164	07/01/2025	493	CITY OF ENID	EHS-APPLICATION FEE FOR REZONING PROPERTY	600.00
11	165	07/01/2025	17565	CLARK MCKEEVER LAW	DISTRICT TITLE WORK	8,000.00
11	166	07/01/2025	17748	S & B CPA ASSOCIATES PLLC	FY26 AUDIT	20,000.00
11	167	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	168	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	169	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	170	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	171	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	172	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	173	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	174	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	175	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	176	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	177	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	178	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	179	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	180	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	181	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	182	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	183	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	184	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	185	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	186	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	187	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	188	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	189	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	190	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	191	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	192	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	193	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	194	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	195	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	196	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	197	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	198	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	199	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	200	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	201	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	202	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	203	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	204	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERTIFICATION FEE	12.00
11	205	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMBURSE FOR PARA CERT FEE	12.00
11	206	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMBURSE FOR PARA CERT FEE	12.00
11	207	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB TEACHER TESTING FEES	52.00
11	208	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB TEACHER TESTING FEES	52.00
11	209	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	210	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	211	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	212	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	213	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	214	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	215	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	54.00
11	216	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	217	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	218	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB PARA CERT FEE	12.00
11	219	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	220	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	221	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	222	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	223	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	224	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	225	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	226	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	227	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	228	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	229	07/01/2025	99999	ENID BOARD OF EDUCATION	REIMB ADJUNCT CERTIFICATION	27.00
11	231	07/01/2025	1054	SECURITY NATIONAL BANK	BUS PAYMENT	220,000.00
11	233	07/01/2025	321	MESSER-BOWERS COMPANY	PROPERTY WIND/HAIL INSURANCE-BUY BACK	75,384.25
11	234	07/01/2025	320	MERRIFIELD OFFICE PLUS	RECEIVING-COPY PAPER-HARD WOUND PAPER TOWELS	25,000.00
11	235	07/01/2025	190	CENTRAL OKLAHOMA WATER SERVICES INC	ASC PALET OF WATER FOR MEETINGS	2,000.00
11	236	07/01/2025	10375	ENID SYMPHONY CENTER	Tickets for Orchestra Students	2,000.00
11	237	07/01/2025	17053	HRT SERVICE CO LLC	District Mowing	30,000.00
11	238	07/01/2025	17102	BRAUMS	DRINKS-ADMINISTRATOR MEETINGS	250.00
11	239	07/01/2025	320	MERRIFIELD OFFICE PLUS	ASC-COFFEE SERVICE	1,000.00
11	240	07/01/2025	17323	ENID SPORTS ASSOCIATION	PAINTING PRACTICE FIELDS	10,000.00
11	241	07/01/2025	702	GARFIELD COUNTY CLERK	FILING FEES	500.00
11	242	07/01/2025	815	SOONER BINDERY INC	BINDING BOARD BOOKS	250.00
11	243	07/01/2025	369	PDQ PRINTING	OPTION PERIOD ENROLLMENT BROCHURES	1,000.00
11	244	07/01/2025	15027	ENID ROTARY CLUB	MEMBERSHIP	1,400.00
11	245	07/01/2025	16104	GUARANTEE PROPERTY MAINT LLC	PURCHASED PROPERTY MOVING EXPENSES	5,000.00
11	246	07/01/2025	16719	eFMLA INC	eFMLA ANNUAL SUBSCRIPTION	1,495.00
11	247	07/01/2025	14976	GRAND NATIONAL QUAIL CLUB	MEMBER FEE	400.00
11	248	07/01/2025	493	CITY OF ENID	EHS-APPLICATION FEE FOR REZONING PROPERTY	1,500.00
11	249	07/01/2025	3578	GUARANTEE ABSTRACT COMPANY	300 FT LIST FOR REZONING PROPERTY	3,000.00
11	250	07/01/2025	18023	HEYDY'S PLACE	CATERING FOR ADMIN BREAKFAST	1,500.00
11	251	07/01/2025	17101	CHICK FIL A	CATERING-ADMIN BREAKFAST	2,400.00
11	252	07/01/2025	13208	ARVEST BANK	P-CARD 6-4672	1,000.00
11	253	07/01/2025	13208	ARVEST BANK	P-CARD 5-4664	1,000.00
11	254	07/01/2025	13208	ARVEST BANK	P-CARD 4-4656	1,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	255	07/01/2025	17732	FISERV INC	FY26 CC FEES	2,500.00
11	256	07/01/2025	18120	NUVEI TECHNOLOGIES INC	FY26 CREDIT CARD FEES	9,000.00
11	257	07/01/2025	11843	J & P SUPPLY, INC.	Campus Kleenex	5,000.00
11	258	07/01/2025	11642	OKLAHOMA SCHOOLS INSURANCE GROUP	DEDUCTABLES FOR VEHICLS & BUSSES	10,000.00
11	259	07/01/2025	15270	BSN SPORTS	REPLACEMENT BASKETBALL NET ACROSS THE DISTRICT	1,000.00
11	260	07/01/2025	16091	LANG WELL DRILLING INC	ALL SITES-SPRINKLER REPAIRS	15,000.00
11	261	07/01/2025	16091	LANG WELL DRILLING INC	ALL CAMPUSES SPRINKLER MANAGEMENT	30,000.00
11	262	07/01/2025	16091	LANG WELL DRILLING INC	BROOMING TURF AT ELEM SITES	2,100.00
11	263	07/01/2025	5016	UNIVERSAL CLEANING	CLEAN CARPET ASC BUILDING	1,200.00
11	264	07/01/2025	5016	UNIVERSAL CLEANING	EMERGENCY WATER CLEANUP	10,000.00
11	265	07/01/2025	5016	UNIVERSAL CLEANING	ADAMS-CUSTODIAL SERVICES	45,000.00
11	266	07/01/2025	158	A. W. BRUEGGEMANN CO INC	Maintenance supplies and machine parts	1,000.00
11	267	07/01/2025	10635	ACE HARDWARE	Maintenance Supplies	5,000.00
11	268	07/01/2025	15686	AEL INC	SERVICE/REPAIRS	5,000.00
11	269	07/01/2025	9759	ALBRIGHT STEEL & WIRE	Maintenance Supplies Steel and Wire	1,000.00
11	270	07/01/2025	122	ATWOODS DISTRIBUTION	Maintenance ad supplies parts	4,000.00
11	271	07/01/2025	2314	A-Z CARPET CENTER, INC.	Maintenance service and material flooring	1,000.00
11	272	07/01/2025	3275	B & J APPLIANCE AND TV, INC.	Equipment & Appliances	500.00
11	273	07/01/2025	16218	BB MACHINE SHOP INC	INDUSTRIAL SUPPLIES/PARTS	3,000.00
11	274	07/01/2025	3852	B'S QUALITY DOOR INC	Equipment & Repairs on over head doors	1,000.00
11	275	07/01/2025	3263	CINTAS CORPORATION	Rental Uniforms	18,000.00
11	276	07/01/2025	493	CITY OF ENID	Permits	1,000.00
11	277	07/01/2025	2644	CONNEY SAFETY PRODUCTS	Safety Supplies	300.00
11	278	07/01/2025	111	CONSOLIDATED ELECTRICAL DIST INC	Equipment and Supplies	10,000.00
11	279	07/01/2025	17883	CRAWFORD ELECTRIC SUPPLY CO INC	ELECTRIC SUPPLIES	20,000.00
11	280	07/01/2025	14608	DAL SECURITY LLC	Calling Service for Fire Alarm	33,000.00
11	281	07/01/2025	14608	DAL SECURITY LLC	MONTHLY MONITOR BALLPARK	750.00
11	282	07/01/2025	197	DENNIS PLUMBING COMPANY INC	PLUMBING	60,000.00
11	283	07/01/2025	199	DOLESE BROS CO	Concrete	1,000.00
11	284	07/01/2025	16410	EAGLE HERITAGE ROOFING INC	ROOF REPAIRS	10,000.00
11	285	07/01/2025	1059	ENERGY CAP LLC	ANNUAL SOFTWARE LICENSE AND MAINTENANCE AGREEMENT	6,045.60
11	286	07/01/2025	233	ENID WINNELSON CO.	PARTS	25,000.00
11	287	07/01/2025	16950	ERIC L RENKEN	Locks and Supplies	2,000.00
11	288	07/01/2025	8237	FASTENAL COMPANY	PARTS	500.00
11	289	07/01/2025	14697	FEW LAND & TREE	LAWN SERVICES	61,000.00
11	290	07/01/2025	14697	FEW LAND & TREE	ADDITIONAL CAMPUS CLEAN UP	32,100.00
11	291	07/01/2025	246	FLAMING INC	PARTS	500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	292	07/01/2025	2059	GRAINGER	Maintenance Supplies	2,000.00
11	293	07/01/2025	716	INDUSTRIAL MATERIALS CORPORATION	PARTS	25,000.00
11	294	07/01/2025	11641	INTERSTATE ALL BATTERY TCO LLC	PARTS	700.00
11	295	07/01/2025	11843	J & P SUPPLY, INC.	SUMMER SUPPLIES	20,000.00
11	296	07/01/2025	11843	J & P SUPPLY, INC.	FLOOR MATS FOR ALL SCHOOLS	20,000.00
11	297	07/01/2025	11843	J & P SUPPLY, INC.	CAMPUS SUPPLY OVERAGES	15,000.00
11	298	07/01/2025	11843	J & P SUPPLY, INC.	ENID HIGH SCHOOL SUPPLIES	47,000.00
11	299	07/01/2025	11843	J & P SUPPLY, INC.	MONROE ELEM	11,000.00
11	300	07/01/2025	11843	J & P SUPPLY, INC.	COOLIDGE SUPPLIES	11,000.00
11	301	07/01/2025	11843	J & P SUPPLY, INC.	MCKINLEY SUPPLIES	9,000.00
11	302	07/01/2025	11843	J & P SUPPLY, INC.	LONGFELLOW SUPPLIES	13,000.00
11	303	07/01/2025	11843	J & P SUPPLY, INC.	GARFIELD SUPPLIES	14,500.00
11	304	07/01/2025	11843	J & P SUPPLY, INC.	WALLER SUPPLIES	14,500.00
11	305	07/01/2025	11843	J & P SUPPLY, INC.	PRAIRIE VIEW SUPPLIES	14,500.00
11	306	07/01/2025	11843	J & P SUPPLY, INC.	ADAMS SUPPLIES	8,000.00
11	307	07/01/2025	11843	J & P SUPPLY, INC.	TAFT SUPPLIES	9,000.00
11	308	07/01/2025	11843	J & P SUPPLY, INC.	GLENWOOD SUPPLIES	14,000.00
11	309	07/01/2025	11843	J & P SUPPLY, INC.	EMERSON SUPPLIES	11,000.00
11	310	07/01/2025	11843	J & P SUPPLY, INC.	HAYES SUPPLIES	9,000.00
11	311	07/01/2025	11843	J & P SUPPLY, INC.	EISENHOWER SUPPLIES	7,000.00
11	312	07/01/2025	11843	J & P SUPPLY, INC.	HOOVER SUPPLIES	9,000.00
11	313	07/01/2025	11843	J & P SUPPLY, INC.	ASC SUPPLIES	4,500.00
11	314	07/01/2025	11843	J & P SUPPLY, INC.	CARVER ECC SUPPLIES	4,000.00
11	315	07/01/2025	11843	J & P SUPPLY, INC.	LINCOLN SUPPLIES	2,000.00
11	316	07/01/2025	11843	J & P SUPPLY, INC.	BUS/MAINT. SUPPLIES	2,200.00
11	317	07/01/2025	11843	J & P SUPPLY, INC.	FOWLER SUPPLIES	2,000.00
11	318	07/01/2025	11843	J & P SUPPLY, INC.	ATHLETICS SUPPLIES	6,500.00
11	319	07/01/2025	11843	J & P SUPPLY, INC.	EQUIPMENT AND EQUIPMENT REPAIRS	40,000.00
11	320	07/01/2025	11843	J & P SUPPLY, INC.	SUPPLIES FOR EHS SPECIAL EDUCATION	500.00
11	321	07/01/2025	6628	JACKS OUTDOOR POWER EQUIPMENT	EQUIPMENT PARTS	5,000.00
11	322	07/01/2025	79685	JASON L GRAGG	PLUMBING APPRENTICE LICENSE	25.00
11	323	07/01/2025	79648	JERROD WESLEY DETWILER	PLUMBING APPRENTICE LICENSE	25.00
11	324	07/01/2025	5432	JOHNSTON SEED CO	WEED CHEMICALS	2,000.00
11	325	07/01/2025	7108	JOHNSTONE SUPPLY OF OKLA CITY	EQUIPMENT REPAIR	1,000.00
11	326	07/01/2025	15306	KINNUNEN SALES AND RENTALS INC	Rental & Sales of Equipment	2,000.00
11	327	07/01/2025	15737	KLEMME CONSTRUCTION INC	REPAIRS	5,000.00
11	328	07/01/2025	329	KONE INC	ELEV ASC, LMS, EHS GYM	20,000.00
11	329	07/01/2025	14333	KRETCHMAR DISTRIBUTING, INC.	Mower Parts	1,500.00
11	330	07/01/2025	16091	LANG WELL DRILLING INC	ALL SITES-SPRINKLER REPAIRS	10,000.00
11	331	07/01/2025	302	LAVICKY SAND COMPANY INC	Grounds Supplies	3,000.00
11	332	07/01/2025	302	LAVICKY SAND COMPANY INC	SNOW REMOVAL	5,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	333	07/01/2025	7472	LOCKE SUPPLY	Plumbing Supplies	25,000.00
11	334	07/01/2025	6996	LOWE'S HOME IMPROVEMENT WHSE.	Maintenance Supplies	30,000.00
11	335	07/01/2025	3754	LUCKY'S FIXTURE CO.	SUPPLIES/REPAIR PARTS	1,000.00
11	336	07/01/2025	16981	MEDLEY MATERIAL HANDLING CO	Forklift Repairs	5,000.00
11	337	07/01/2025	320	MERRIFIELD OFFICE PLUS	Maintenance Supplies	2,000.00
11	338	07/01/2025	13669	METCALF LAND AND LAWN LLC	SNOW REMOVAL	4,000.00
11	339	07/01/2025	16070	MID AMERICAN RESEARCH CHEMICAL CORP	WEED KILLER FOR BOYD FOR CAMPUS SPRAYING	5,000.00
11	340	07/01/2025	15752	MOYER SERVICES LLC	Electrical Service	40,000.00
11	341	07/01/2025	16935	NORTHWEST FIRE & SAFETY	Fire protection service & equipment	25,000.00
11	342	07/01/2025	15303	NOVALCO INC	Repair of Handicapped Doors	10,000.00
11	343	07/01/2025	5821	OKLAHOMA DEPARTMENT OF LABOR	BOILER INSPECTIONS	1,000.00
11	344	07/01/2025	5821	OKLAHOMA DEPARTMENT OF LABOR	ELEVATOR INSPECTIONS	1,200.00
11	345	07/01/2025	352	OKLAHOMA GLASS & WALLPAPER INC	WINDOW REPAIR	20,000.00
11	346	07/01/2025	123	O'REILLY AUTOMOTIVE, INC.	MAINTENANCE SUPPLIES	5,000.00
11	347	07/01/2025	6550	OSPMA	REGISTRATION	720.00
11	348	07/01/2025	14745	OTIS ELEVATOR COMPANY	SERVICE	10,000.00
11	349	07/01/2025	14745	OTIS ELEVATOR COMPANY	VOICE & DATA SERVICE FOR 2 YEARS- UC AT EHS	10,000.00
11	350	07/01/2025	292	P & J LLC JUMBO	SUMMER NUTRITIONAL DRINKS	2,000.00
11	351	07/01/2025	7515	P & K EQUIPMENT INC	MOWER PARTS	2,000.00
11	352	07/01/2025	17079	PAUL B RUSSELL	MOWING SERVICES	66,495.00
11	353	07/01/2025	6768	PROFESSIONAL TREE CARE	MAINTAINING, TRIMMING OF TREES	2,000.00
11	354	07/01/2025	17934	RANSOME HOLDINGS NO 4 CAR WASH LLC	CAR WASH TOKENS	1,000.00
11	355	07/01/2025	73027	RAYMOND J BARWICK	LICENSE FEE REIMB	300.00
11	356	07/01/2025	13604	RENTOKIL NORTH AMERICA INC	PEST CONTROL	8,000.00
11	357	07/01/2025	71327	ROBERT B FUGATE	LIC FEE RENEWAL	100.00
11	358	07/01/2025	70145	RONALD L GARRISON	TRAVEL, SUPPLIES, MISC	500.00
11	359	07/01/2025	14639	SCHINDLER ELEVATOR CORPORATION	SERVICE FOR EMERSON & WALLER	20,000.00
11	360	07/01/2025	413	SHERWIN-WILLIAMS	BUILDING SUPPLIES	3,000.00
11	361	07/01/2025	16248	SLATER MECHANICAL LLC	MECHANICAL PARTS	10,000.00
11	362	07/01/2025	16927	STANDARD SUPPLY & DIST INC	Equipment Parts	25,000.00
11	363	07/01/2025	15243	STARR LUMBER CO	SUPPLIES	8,000.00
11	364	07/01/2025	4677	THE TRANE COMPANY	AC PARTS	4,000.00
11	365	07/01/2025	2867	THE VACUUM CENTER	REPAIR PARTS FOR VACUUMS	4,000.00
11	366	07/01/2025	14347	THYSSENKRUPP ELEVATOR	SERVICE ELEV	11,000.00
11	367	07/01/2025	12680	TITAN FENCE CO	SERVICES	3,000.00
11	368	07/01/2025	10318	TOMMIE EUGENE SEEDORF	SNOW REMOVAL	5,000.00
11	369	07/01/2025	9751	TRADE-MARK SIGNS INC	SIGNS	3,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	370	07/01/2025	2395	UNIQUE DESIGN STUDIO AND MORE	UNIFORMS FOR MAINT	2,000.00
11	371	07/01/2025	522	UNITED ENGINES	GENERATOR MAINTENANCE AGREEMENT	18,000.00
11	372	07/01/2025	17059	WARREN POWER & MACHINERY INC	REPAIR SKID LOADER	1,500.00
11	373	07/01/2025	70520	WILBUR G FLYNN	LIC REN FEE REIMB	100.00
11	374	07/01/2025	15423	YELLOWHOUSE MACHINERY CO OF OK	EQUIPMENT REPAIRS	1,000.00
11	375	07/01/2025	158	A. W. BRUEGGEMANN CO INC	PARTS	200.00
11	376	07/01/2025	11798	ABC COMPANIES	PARTS & REPAIRS	18,000.00
11	377	07/01/2025	15723	ALKOTA OF KANSAS LLC	SERVICE	200.00
11	378	07/01/2025	11906	CUMMINS SOUTHERN PLAINS, LLC	BUS REPAIRS	1,000.00
11	379	07/01/2025	199	DOLESE BROS CO	ROCK FOR PARKING LOT	2,000.00
11	380	07/01/2025	393	ENID GLASSWORKS, INC.	PARTS/REPAIRS	1,000.00
11	381	07/01/2025	286	JANZEN OLDS	PARTS/REPAIRS	6,000.00
11	382	07/01/2025	8695	MIDWEST BUS SALES INC	PARTS/REPAIRS	7,500.00
11	383	07/01/2025	6120	PIKEPASS CUSTOMER SERVICE CNTR	TURNPIKE FEES	2,500.00
11	384	07/01/2025	2388	POTTER OIL CO.	FUEL	250,000.00
11	385	07/01/2025	71306	RICKY L MOULTON	REIMBURSEMENT FOR TRAVEL BUS DRIVER	1,000.00
11	386	07/01/2025	13316	SOUTHERN TIRE MART LLC	PARTS	1,000.00
11	387	07/01/2025	429	STANLEYS WRECKER LLC	TOWING	2,500.00
11	388	07/01/2025	3598	STEVENS FORD	PARTS/REPAIRS	500.00
11	389	07/01/2025	17303	HOLT TRUCK CENTERS OF OK LLC	BUS REPAIRS	30,000.00
11	390	07/01/2025	6205	TRUCKPRO	PARTS	500.00
11	391	07/01/2025	522	UNITED ENGINES	PARTS/SERVICES	5,000.00
11	392	07/01/2025	13208	ARVEST BANK	P CARD FOR FUEL	10,000.00
11	393	07/01/2025	16507	TEMSA NORTH AMERICA INC	BUS PARTS	4,000.00
11	394	07/01/2025	16220	INDEPENDENT DIESEL SERVICE INC	BUS REPAIRS	50,000.00
11	395	07/01/2025	16480	CONTINENTAL BATTERY CO	Batteries	10,000.00
11	396	07/01/2025	133	BAKER'S ALTERNATOR SHOP INC	Alternator Repair	500.00
11	397	07/01/2025	16819	FEDERAL MOTOR CARRIER SAFETY ADM	Driver checks with Federal Government	300.00
11	398	07/01/2025	16822	EARNHEART CRESCENT LLC	oil	17,500.00
11	399	07/01/2025	10557	RAMCO	Parts	750.00
11	400	07/01/2025	9908	WHEAT CAPITAL COMMUNICATIONS	2-way radios for transportaiton	2,500.00
11	401	07/01/2025	15014	FOUR J'S TIRE SERVICE	tires	15,000.00
11	402	07/01/2025	539	STUART NISSAN OF ENID	PARTS	1,000.00
11	403	07/01/2025	9751	TRADE-MARK SIGNS INC	SIGNS	500.00
11	404	07/01/2025	17059	WARREN POWER & MACHINERY INC	Parts and Service	500.00
11	405	07/01/2025	12847	ENID OVERHEAD DOOR INC	Overhead door repair	500.00
11	406	07/01/2025	11342	NEWBY-VANCE MOBILITY	Parts for Wheel Chair Bus Lift	500.00
11	407	07/01/2025	17442	JANTZ OVERHEAD DOOR CO	Garage door repairs	500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	408	07/01/2025	17476	HARBOR FREIGHT TOOLS USA INC	Tools	500.00
11	409	07/01/2025	3203	SERVICE OKLAHOMA	Tags for vehicles	750.00
11	410	07/01/2025	16676	247SECURITY INC	Video Cameras	1,500.00
11	411	07/01/2025	15831	AMAZON CAPITAL SERVICES INC	Bus Parts & Supplies	1,500.00
11	412	07/01/2025	190	CENTRAL OKLAHOMA WATER SERVICES INC	Water softener	200.00
11	413	07/01/2025	530	A & B RADIATOR SHOP	Bus repair and parts	750.00
11	414	07/01/2025	17771	GFL ENVIRONMENTAL SERVICES USA INC	Discarding of used oil	300.00
11	415	07/01/2025	16183	BRUCKNER TRUCK SALES INC	Parts	500.00
11	416	07/01/2025	5267	TOPS & STRIPES, INC.	Truck Accessories	10,000.00
11	417	07/01/2025	9711	DETCO INDUSTRIES INC	Cleaning supplies for buses	750.00
11	418	07/01/2025	17648	KRIS WILSON WESTFALL	Car detailing	2,000.00
11	419	07/01/2025	15690	D & D TRUCK SALES INC	TOWING	1,500.00
11	420	07/01/2025	17577	CITY PAINT WORKS LLC	paint/wrap for new bus	6,000.00
11	421	07/01/2025	346	NORTHCUTT CHEVROLET BUICK LLC	PART/REPAIRS ON VEHICLES	5,000.00
11	422	07/01/2025	17882	EXECUTIVE COACH BUILDERS INC	bus parts	3,000.00
11	423	07/01/2025	13876	JACKSONS OF ENID	Auto Parts	1,000.00
11	424	07/01/2025	11865	NCH CORPORATION	Oil and Lubricant	800.00
11	425	07/01/2025	17794	GARFIELD GLASS LLC	Windshield for Activity bus	500.00
11	426	07/01/2025	17960	TRUCKERS CLINIC OF ENID	Physicals and Drug testing for Transportation	6,000.00
11	427	07/01/2025	10635	ACE HARDWARE	SUPPLIES	2,500.00
11	428	07/01/2025	541	T & W TIRE CO.	Tires	25,000.00
11	429	07/01/2025	246	FLAMING INC	auto parts	23,000.00
11	430	07/01/2025	11642	OKLAHOMA SCHOOLS INSURANCE GROUP	DEDUCTABLE ON BUS ACCIDENT	1,000.00
11	431	07/01/2025	18121	SILVER ARC WELDING INC	Cleaning pits in wash bay	1,000.00
11	432	07/01/2025	18123	TRANSARCTIC OF OKLAHOMA INC	Repair Air Conditioning on buses	1,000.00
11	433	07/01/2025	11865	NCH CORPORATION	oil & lubricants	500.00
11	434	07/01/2025	17922	NOREGON SYSTEMS LLC	Computer update for garage	2,500.00
11	435	07/01/2025	18199	IMPERIAL SUPPLIES HOLDING INC	Supplies	300.00
11	436	07/01/2025	10557	RAMCO	REPAIR TO VEHICLES AND BUSES	500.00
11	437	07/01/2025	123	O'REILLY AUTOMOTIVE, INC.	parts for vehicles	20,000.00
11	438	07/01/2025	17715	OUT ON A LIMB MFG LLC	Materials and aluminum welding for a ramp	500.00
11	439	07/01/2025	10303	RENAISSANCE LEARNING, INC.	VIRTUAL TRAINING	46,631.60
11	440	07/01/2025	10635	ACE HARDWARE	PARTS/SUPPLIES	500.00
11	441	07/01/2025	3275	B & J APPLIANCE AND TV, INC.	APPLIANCES/PARTS	1,500.00
11	442	07/01/2025	293	BEN E. KEITH-OKLAHOMA	KITCHEN FOOD/SUPPLIES	890,000.00
11	443	07/01/2025	12295	ICE MAKER SALES SERVICE INC	REPAIRS/SUPPLIES	1,000.00
11	444	07/01/2025	190	CENTRAL OKLAHOMA WATER SERVICES INC	RENTAL, SALT-CHILD NUTRITION	3,000.00
11	445	07/01/2025	197	DENNIS PLUMBING COMPANY INC	REPAIRS	20,000.00
11	446	07/01/2025	3325	MUNGER & KROUT INC	UNIFORMS	3,000.00
11	447	07/01/2025	7421	THE EARTHGRAIN BAKING CO.	FOOD SUPPLY	30,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	448	07/01/2025	99706	ENID HIGH SCHOOL LUNCH FUND	BEGIN CASH 2026	1,500.00
11	449	07/01/2025	12847	ENID OVERHEAD DOOR INC	REPAIRS	500.00
11	450	07/01/2025	6770	FARHA WHOLESALE	PAPER GOODS	20,000.00
11	451	07/01/2025	9850	HAGAR RESTAURANT EQUIP SERVICE INC	EQUIP/REPAIRS/SUPPLIES	1,000.00
11	452	07/01/2025	13473	HARRIS COMPUTER SYSTEMS INC	MAINT RENEWAL AND SOFTWARE	30,000.00
11	453	07/01/2025	14569	HEARTLAND PAYMENT SYSTEMS, INC.	RENEWAL	570.00
11	454	07/01/2025	14998	RONNOCO COFFEE LLC	COFFEE AND SUPPLIES	12,000.00
11	455	07/01/2025	7423	HILAND DAIRY	FOOD SUPPLY (MILK)	450,000.00
11	456	07/01/2025	9340	JOHNDROW'S PEST CONTROL INC	PEST CONTROL	15,000.00
11	457	07/01/2025	72855	KELLY R CRAIG	SUPPLIES	5,000.00
11	458	07/01/2025	99616	LONGFELLOW LUNCH FUND	BEGIN CASH 2026	100.00
11	459	07/01/2025	6996	LOWE'S HOME IMPROVEMENT WHSE.	SUPPLIES	2,500.00
11	460	07/01/2025	309	LUCKINBILL INC	REPAIRS	5,000.00
11	461	07/01/2025	14316	MARKHAM RESTAURANT SUPPLY CO INC	EQUIPMENT	25,000.00
11	462	07/01/2025	15523	PETERSON FARMS FRESH INC	FOOD SUPPLIES	18,000.00
11	463	07/01/2025	99621	WALLER LUNCH FUND	BEGIN CASH FY26	100.00
11	464	07/01/2025	142	BERNARD FOOD INDUSTRIES INC	FOOD SUPPLIES	12,000.00
11	465	07/01/2025	369	PDQ PRINTING	PRINTING	3,000.00
11	466	07/01/2025	320	MERRIFIELD OFFICE PLUS	OFFICE SUPPLIES	3,000.00
11	467	07/01/2025	2304	OKLAHOMA STATE DEPT OF HEALTH	LICENSE RENEWAL FEE	2,500.00
11	468	07/01/2025	13198	TERREBONNE LIMITED	SUPPLIES	1,500.00
11	469	07/01/2025	14270	SNA	RENEWAL CERTIFICATES	2,000.00
11	470	07/01/2025	12051	OK DHS	ANNUAL ASSESSMENT	13,000.00
11	471	07/01/2025	16753	UNITED REFRIGERATION INC	EQUIPMENT	22,000.00
11	472	07/01/2025	3427	RUSH TRUCK CENTERS OF OKLAHOMA	TRUCK REPAIRS	4,500.00
11	473	07/01/2025	413	SHERWIN-WILLIAMS	PAINT AND SUPPLIES	500.00
11	474	07/01/2025	346	NORTHCUTT CHEVROLET BUICK LLC	REPAIRS	750.00
11	475	07/01/2025	16892	PARTS TOWN LLC	EQUIP PARTS	5,000.00
11	476	07/01/2025	16935	NORTHWEST FIRE & SAFETY	HOOD VENT CLEANING	2,500.00
11	477	07/01/2025	16936	EKON O PAC	PACKING SYSTEMS	4,000.00
11	478	07/01/2025	99611	EMERSON LUNCH FUND	BEGIN CASH FY26	50.00
11	479	07/01/2025	17409	OUT OF THE SHELL LLC	FOOD SUPPLIES	30,000.00
11	480	07/01/2025	8084	HOT SHOT POWER WASHING INC	Hood Vent Cleaning	4,176.00
11	481	07/01/2025	17754	ALPHA FOODS CO	Pizza and boxes	50,000.00
11	482	07/01/2025	15752	MOYER SERVICES LLC	electrical work	10,000.00
11	483	07/01/2025	16248	SLATER MECHANICAL LLC	Equipment repairs	10,000.00
11	485	07/01/2025	17814	WEBSTAURANT STORE LLC	Equipment and parts (Paid with P card)	20,000.00
11	486	07/01/2025	17852	ALL GROUP NORTH AMERICA CORP	Equipment and repairs	3,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	487	07/01/2025	14269	SCHOOL NUTR ASSOC OF OKLA	SNA Oklahoma Leadership Conference	525.00
11	488	07/01/2025	13473	HARRIS COMPUTER SYSTEMS INC	License Renewal	28,560.22
11	489	07/01/2025	17770	JOHNSON CONTROLS INC	Freezer monitoring equipment	6,721.00
11	490	07/01/2025	18127	FRONTIER PRODUCE INC	Produce	30,000.00
11	491	07/01/2025	18151	CANTEEN FOWLER VENDING	Beverages E.H	20,000.00
11	492	07/01/2025	15831	AMAZON CAPITAL SERVICES INC	equipment, parts	10,000.00
11	493	07/01/2025	17514	WENDY A FRAZEE	Awards, Gifts	1,000.00
11	494	07/01/2025	18227	FOOD HANDLER SOLUTIONS	Computer Program	2,625.00
11	495	07/01/2025	15737	KLEMME CONSTRUCTION INC	Construction services	58,000.00
11	496	07/01/2025	15825	CENTRAL STATES THERMO	VEH REPAIRS	1,000.00
11	497	07/01/2025	14332	FRONTLINE TECHNOLOGIES GROUP, LLC	Veritime Annual Subscription	60,492.55
11	498	07/01/2025	18281	APPLICANT INSIGHT INC	Blanket PO for background checks	6,000.00
11	499	07/01/2025	3450	DAILY OKLAHOMAN	Blanket PO for personnel advertising FY 2026	1,500.00
11	500	07/01/2025	8852	EAGLE MARKETING	Blanket PO for advertising FY 2026	1,900.00
11	501	07/01/2025	12701	ENID POLICE DEPARTMENT	Blanket PO for volunteer background checks FY 2026	1,000.00
11	502	07/01/2025	226	ENID PUBLISHING CO.	Blanket PO for school advertising	3,154.00
11	503	07/01/2025	292	P & J LLC JUMBO	Blanket PO for supplies for parties, board room	1,000.00
11	504	07/01/2025	14309	MORPHO USA INC dba IDENTOGO	Satellite Fingerprint scan-HR	20,000.00
11	505	07/01/2025	2439	NW TROPHY AND AWARDS LLC	Blanket PO for plaques and awards	375.00
11	506	07/01/2025	1022	NATIONAL SCHOOL PUBLIC	Blanket PO for membership and materials FY 2026	500.00
11	507	07/01/2025	13404	OKSPRA	Membership, Conference Fees	500.00
11	508	07/01/2025	7638	OSU CAREER SERVICES/PLACEMENT	Registration fee for Education Career Fair	500.00
11	509	07/01/2025	10288	UNIVERSITY OF OKLAHOMA	Registration fee for Education Career Fair	150.00
11	510	07/01/2025	369	PDQ PRINTING	Blanket PO for promotional items	2,500.00
11	511	07/01/2025	3669	SOUTHWESTERN OKLA STATE UNIVERSITY	Registration fee for Education Career Fair	100.00
11	512	07/01/2025	3841	TULSA WORLD	Blanket PO for personnel advertising	1,500.00
11	513	07/01/2025	4307	UCO CAREER SERVICES	Registration fee for Education Career Fair	250.00
11	514	07/01/2025	12844	HOUSTON PROMOTIONS	ADVERTISING MISC	2,500.00
11	515	07/01/2025	15734	AMERICAN ASSOC OF SCHOOL PERS ADMIN	REGISTRATION	275.00
11	516	07/01/2025	71457	JANE M JOHNSON	Travel Expenses - Blanket PO FY 2026	300.00
11	517	07/01/2025	71457	JANE M JOHNSON	Expenses - Blanket PO for FY 2026	300.00
11	518	07/01/2025	17015	ENID AM AMBUCS	Jane Johnson membership	400.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	519	07/01/2025	14250	CURTIS D TUCKER	Advertising through Enid Buzz	300.00
11	520	07/01/2025	12682	SURVEYMONKEY.COM LLC	P card for renewing subscription	468.00
11	521	07/01/2025	17297	DEVINE WATER LLC	EPS Water Bottles	1,322.40
11	522	07/01/2025	2439	NW TROPHY AND AWARDS LLC	Paperweights for employees of the month	360.00
11	523	07/01/2025	18022	CALENDLY LLC	Scheduler for Welcome Center	240.00
11	524	07/01/2025	16186	CONSTANT CONTACT INC	Annual subscription renewal	2,000.00
11	525	07/01/2025	17844	34ED LLC	Yearly Maintenance, Supplies	7,000.00
11	526	07/01/2025	18301	ACCESSIBE INC	Accessible software for website-ADA compliant	16,000.00
11	527	07/01/2025	10635	ACE HARDWARE	TOOLS, BLUE TOWELS, VELCRO, GLOVES	500.00
11	528	07/01/2025	74259	ADINA M WHITE	OFFICE REIMBURSEMENT	750.00
11	529	07/01/2025	14247	AJG INC	SmartBoard projector parts, cables and support	2,500.00
11	530	07/01/2025	15831	AMAZON CAPITAL SERVICES INC	Technology parts and office needs	30,000.00
11	531	07/01/2025	12319	APPLE	Replacement parts for all/any system	2,500.00
11	532	07/01/2025	17269	APPTEGY INC	District Wide App and web design	35,000.00
11	533	07/01/2025	14155	AT&T	District Cell and Pot Lines	7,500.00
11	534	07/01/2025	16887	AVI SYSTEMS INC	Live Streaming	9,000.00
11	535	07/01/2025	7396	B & H PHOTO-VIDEO	Video needs for EPS TV and poster printer supplies	15,000.00
11	536	07/01/2025	17486	BADGEPASS INC	Supplies for district ID's	750.00
11	537	07/01/2025	17486	BADGEPASS INC	Hardware and Software Support Agreement	2,300.00
11	538	07/01/2025	17572	BLUEBEAM INC	AECO collaboration solution	1,000.00
11	539	07/01/2025	15727	BORDERLAN INC	Hornetsecurity VM Backup for Vmware	3,000.00
11	540	07/01/2025	15829	BRG PRECISION PRODUCTS INC	To replace clock failures	7,500.00
11	541	07/01/2025	11131	CDW-G	Mimecast Renewal and Phishing Training	68,000.00
11	542	07/01/2025	11131	CDW-G	Technology parts and accessories	20,000.00
11	543	07/01/2025	11131	CDW-G	Annual software maintenance	10,000.00
11	544	07/01/2025	11131	CDW-G	HOTSPOTS-KAJEET	5,520.00
11	545	07/01/2025	803	CHICKASAW TELECOM	Duo	17,500.00
11	546	07/01/2025	803	CHICKASAW TELECOM	APC Installation, Configuration and Training	15,000.00
11	547	07/01/2025	803	CHICKASAW TELECOM	Cisco SmartNet Maintenance Renewal	5,000.00
11	548	07/01/2025	803	CHICKASAW TELECOM	Cisco Phone System Yearly	39,060.00
11	549	07/01/2025	17086	CHISHOLM BROADBAND LLC	Internet	3,000.00
11	550	07/01/2025	13621	CMS COMMUNICATIONS INC	Replacement phones for broken or new rooms	25,000.00
11	551	07/01/2025	15338	CONSORTIUM FOR SCHOOL NETWORKING	Yearly Membership & Conference Fee	2,500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	552	07/01/2025	13439	DEEPINVENT SOFTWARE GMBH	Mailstore server update and support	3,750.00
11	553	07/01/2025	8858	DELL COMPUTER CORP	Carbon Black End Point Security	25,000.00
11	554	07/01/2025	8858	DELL COMPUTER CORP	Microsoft/Google software purchases	35,000.00
11	555	07/01/2025	8858	DELL COMPUTER CORP	Computer equipment and parts	40,000.00
11	556	07/01/2025	15171	DIGI SECURITY SYSTEMS LLC	Access control support, parts and labor	15,000.00
11	557	07/01/2025	15171	DIGI SECURITY SYSTEMS LLC	SiteOwl	25,000.00
11	558	07/01/2025	15171	DIGI SECURITY SYSTEMS LLC	AtlasIED-Informacast	18,000.00
11	559	07/01/2025	15171	DIGI SECURITY SYSTEMS LLC	Camera Replacements	7,500.00
11	560	07/01/2025	15171	DIGI SECURITY SYSTEMS LLC	Network and Camera needs	5,000.00
11	561	07/01/2025	16769	DIGICERT INC	Website Certification	1,500.00
11	562	07/01/2025	14911	FIBER PLATFORM LLC	Wide Area Network	10,000.00
11	563	07/01/2025	14913	FOLLETT SCHOOL SOLUTIONS LLC	Yearly support of Follett software	46,000.00
11	564	07/01/2025	17575	FORTRA LLC	Intermapper software maintenance	1,900.00
11	565	07/01/2025	15830	HERC RENTALS INC	Lift rental and other needs for technology install	2,500.00
11	566	07/01/2025	14706	IMAGENET CONSULTING LLC	Document scanning and software	10,000.00
11	567	07/01/2025	15852	IMAGINATION STATION INC	6th and 7th graders at all Middle Schools	150,000.00
11	568	07/01/2025	14617	IMAGINE LEARNING	EHS/Lincoln Site License & PD	49,850.00
11	569	07/01/2025	17839	INFINITE DISTINCTIONS	Window Tint for IT	1,000.00
11	570	07/01/2025	16889	INSIGNIA SIGNS INC	LED Screen repair	500.00
11	571	07/01/2025	17028	INTELLICHOICE INC	Campus Police Software	7,500.00
11	572	07/01/2025	16457	INTERMEDIA NET INC	SIP Phone services	20,000.00
11	573	07/01/2025	14558	INTERNATIONAL SOCIETY FOR	ISTE Conference Registration	2,500.00
11	574	07/01/2025	11641	INTERSTATE ALL BATTERY TCO LLC	Disposable and replacement batteries for UPS	5,000.00
11	575	07/01/2025	75238	JEFFERY A HERBEL	Travel, lodge and purchase reimbursement	2,000.00
11	576	07/01/2025	4947	KLINE SIGN, LLC	SIGN WORK FOR IT	500.00
11	577	07/01/2025	17420	LIGHTSPEED SOLUTIONS LLC	Software Tool	30,000.00
11	578	07/01/2025	13000	LIGHTSPEED TECHNOLOGIES INC	Redcat audio systems and parts	50,000.00
11	579	07/01/2025	16727	MASTERLIBRARY.COM LLC	Master Library Subscription	6,000.00
11	580	07/01/2025	15049	MEGATRAX PRODUCTION MUSIC, INC	Licensing for audio sound tracks	2,000.00
11	581	07/01/2025	15752	MOYER SERVICES LLC	IT ELECTRICAL WORK	10,000.00
11	582	07/01/2025	3325	MUNGER & KROUT INC	Work shirts for IT staff	1,000.00
11	583	07/01/2025	9593	NETWORK SOLUTIONS, INC.	Domain Fee	1,500.00
11	584	07/01/2025	5950	OK SOCIETY FOR TECH IN EDUC INC	District Membership fee, conference registration	5,000.00
11	585	07/01/2025	1075	OKASBO	Registration and Fees	300.00
11	586	07/01/2025	352	OKLAHOMA GLASS & WALLPAPER INC	Door Repairs	1,000.00
11	587	07/01/2025	10460	ONENET	Internet access	10,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	588	07/01/2025	12832	OPTIMUM BUSINESS	Cable services	3,000.00
11	589	07/01/2025	18198	PC LANDING ZONE INC	Repair iPad screens	3,000.00
11	590	07/01/2025	369	PDQ PRINTING	Printing services for IT	500.00
11	591	07/01/2025	50183	PIONEER CELLULAR	Security at Budhouse	500.00
11	592	07/01/2025	14891	PIRAINO CONSULTING INC	Projectors and technology items	25,000.00
11	593	07/01/2025	15347	POWERSCHOOL/SEVERIN INT. HOLD. LLC	Annual maintenance	179,978.13
11	594	07/01/2025	15347	POWERSCHOOL/SEVERIN INT. HOLD. LLC	UI-STUDENT ANALYTICS	48,415.40
11	595	07/01/2025	15347	POWERSCHOOL/SEVERIN INT. HOLD. LLC	Engage Suite-PowerHub	21,833.35
11	596	07/01/2025	12198	PSNI LLC	Yearly subscription fee	7,997.40
11	597	07/01/2025	17703	RAS TECHNOLOGY CONSULTANTS INC	Custom reports for PS integration	700.00
11	598	07/01/2025	149	RK BLACK INC	Stapler supplies	5,000.00
11	599	07/01/2025	10303	RENAISSANCE LEARNING, INC.	EHS Star Licenses	27,000.00
11	600	07/01/2025	14367	SAFARI MONTAGE	Safari Montage and Smart Technologies	40,000.00
11	601	07/01/2025	15558	SCORECASTS INC	Scorehub Subscription	2,500.00
11	602	07/01/2025	17023	SCOREVISION LLC	Yearly License	12,500.00
11	603	07/01/2025	17185	SIGMA TECH FUND LLC	ERate Consulting	15,000.00
11	604	07/01/2025	17898	SOFTCHOICE CORPORATION	Microsoft Renewal	50,000.00
11	605	07/01/2025	17981	STUDENT PROVISIONING SVC LLC	Consortium Active Directory Google	11,100.00
11	606	07/01/2025	17899	TERMIUS CORPORATION	Yearly Contract	480.00
11	607	07/01/2025	16762	TIGHTROPE MEDIA SYSTEMS INC	Digital Signage	7,500.00
11	608	07/01/2025	15500	TRAFERA HOLDINGS LLC	Chromebook Upgrade Lease	76,000.00
11	609	07/01/2025	15500	TRAFERA HOLDINGS LLC	DESKTOP LEASE	272,000.00
11	610	07/01/2025	15500	TRAFERA HOLDINGS LLC	Go Guardian	63,750.00
11	611	07/01/2025	15500	TRAFERA HOLDINGS LLC	Computer equipment and parts	10,000.00
11	612	07/01/2025	14021	TRANSFINDER CORPORATION	Routefinder, Infofinder	15,000.00
11	613	07/01/2025	8557	UNITED POSTAL SERVICE	IT Shipping Needs	750.00
11	614	07/01/2025	16894	US BANK EQUIPMENT FINANCE	Lease Program	165,747.60
11	615	07/01/2025	11929	WALMART	Replacement TV's	10,000.00
11	616	07/01/2025	15553	WEVIDEO INC	1000 Wevideo user licenses	6,000.00
11	617	07/01/2025	16028	ZOHO CORPORATION	ManageEngine ADAudit Annual Fee	5,000.00
11	618	07/01/2025	14582	PROTURF MANAGEMENT LLC	DISTRICT MOWING SERVICES	50,000.00
11	619	07/01/2025	17730	ASCENT ACCESS SOLUTIONS LLC	Contracted Deaf/Hard of Hearing Services FY26	55,000.00
11	620	07/01/2025	124	AUTRY TECHNOLOGY CENTER	Tuition for Paraprofessional Certification FY26	2,000.00
11	621	07/01/2025	2180	CCOSA	Registration Fees for Conferences FY26	500.00
11	622	07/01/2025	99050	CENTRAL KITCHEN-FOOD SERVICE	SSC Staff PD Catering FY26	500.00
11	623	07/01/2025	18114	SHANAN E CONDER	Contracted School Psyh Services FY26	15,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	624	07/01/2025	16351	E3 DIAGNOSTICS INC	Audiometer Calibration/Repair FY26	2,191.60
11	625	07/01/2025	17283	EDMOND SPEECH THERAPY LLC	Contracted Speech Services FY26	320,000.00
11	626	07/01/2025	3164	ENID COUNSELING CENTER INC	Psychological Testing/Associated Services FY26	2,000.00
11	627	07/01/2025	75245	MELISSA DAWN GRADDICK	Expense Estimate - Supplies FY26	2,500.00
11	628	07/01/2025	75245	MELISSA DAWN GRADDICK	Expense Estimate - Meals, Hotels, Mileage FY26	2,000.00
11	629	07/01/2025	2628	HEDGES REGIONAL SPEECH &	Contracted Speech Pathology Services FY26	73,800.00
11	630	07/01/2025	16778	JOSE L HERNANDEZ	Psychological Testing FY26	2,500.00
11	631	07/01/2025	13506	PAIGE KEITHLY	Contracted Speech Services FY26	61,500.00
11	632	07/01/2025	11367	LARRY'S HOME OXYGEN, INC.	Supplies & DME FY26	500.00
11	633	07/01/2025	18343	GRACE M LOVELACE	Contracted VI Services FY26	36,000.00
11	634	07/01/2025	320	MERRIFIELD OFFICE PLUS	SSC Office Supply Expenses FY26	4,000.00
11	635	07/01/2025	17858	OKLAHOMA HEARING SOLUTIONS LLC	HH/HI Adaptive Supplies FY26	2,500.00
11	636	07/01/2025	17544	OKLAHOMA THERAPY CONSULTANTS INC	Contracted COTA Services FY26	40,000.00
11	637	07/01/2025	11262	OU HEALTH SCIENCE CENTER	Evaluations/Registrations FY26	2,000.00
11	638	07/01/2025	12199	PESI HEALTH CARE WORKSHOPS	Conference/Workshop Registrations FY26	2,500.00
11	639	07/01/2025	18116	REGAN J STADERMAN	Contracted School Psyh Services FY26	10,000.00
11	640	07/01/2025	16601	VOCOVISION INC	Contracted HH/SL Interpreter Services FY26	135,000.00
11	641	07/01/2025	7389	MHS	Assessment Kits (AM) FY26	3,775.00
11	642	07/01/2025	465	WESTERN PSYCHOLOGICAL SERVICES	WPS Record Forms (AM) FY26	248.60
11	643	07/01/2025	12587	PEARSON ASSESSMENTS	Assessment Kits/Forms (AM) FY26	1,322.19
11	644	07/01/2025	11335	LAKESHORE	Adaptive Supplies (CT/OT) FY26	689.21
11	645	07/01/2025	320	MERRIFIELD OFFICE PLUS	Adaptive Supplies (OT) FY26	85.57
11	646	07/01/2025	9597	SCHOOL SPECIALTY LLC	Adaptive Supplies (OT) FY26	1,605.29
11	647	07/01/2025	12403	THERAPY SHOPPE, INC.	Adaptive Supplies (OT) FY26	2,296.62
11	648	07/01/2025	17663	OATECA INC	Annual Educator License for Data Input FY26	825.00
11	649	07/01/2025	16087	COUNCIL OF ADM OF SPECIAL EDUCATION	CASE Conference (MG) 2025 FY26	470.00
11	650	07/01/2025	369	PDQ PRINTING	Envelopes and Notepads	5,000.00
11	651	07/01/2025	18344	ALBRECO INC	EPS bags for career fairs and giveaways	675.00
11	652	07/01/2025	16493	SWADLEY'S SMOKED MEATS INC	Lunch new teachers on July 30	2,730.92
11	653	07/01/2025	15833	SAXTON GROUP	Lunch for Secretary Meeting	475.00
11	654	07/01/2025	17147	TEXAS ROADHOUSE	Lunch for new teachers on August 4	1,500.00
11	655	07/01/2025	15833	SAXTON GROUP	Lunch new teachers on July 31	950.00
11	656	07/01/2025	16689	INTL ASSOC FOR PROP & EVIDENCE INC	CAMPUS POLICE-MEMBERSHIP RENEWAL	65.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	657	07/01/2025	10303	RENAISSANCE LEARNING, INC.	Renaissance Products & Services for Secodary	44,981.60
11	658	07/01/2025	17015	ENID AM AMBUCS	Dr. Darrow Annual Membership Dues and Meals	540.00
11	659	07/01/2025	11782	AMERICAN CHORAL DIRECTORS ASSOC	Membership Fee for Choir FY26	310.00
11	660	07/01/2025	16120	OKLAHOMA CHORAL DIRECTORS ASSN	Regisrtation Fee for Summer Conference	160.00
11	661	07/01/2025	11786	NATIONAL ASSOC FOR MUSIC EDUCATION	Membership Fee for Choir FY26	320.00
11	662	07/01/2025	16120	OKLAHOMA CHORAL DIRECTORS ASSN	All State Tracks for Choir FY26	235.00
11	663	07/01/2025	371	PENDERS MUSIC COMPANY	Sheet Music for Choir FY26	3,500.00
11	664	07/01/2025	18109	SUPREME TRAILER SALES	Trailer for Ag	30,800.00
11	665	07/01/2025	11807	MIDWEST SPORTING GOODS	Uniforms for Softball	1,263.00
11	666	07/01/2025	7290	SWANK MOTION PICTURES INC	Annual Public Performance License	727.00
11	667	07/01/2025	13208	ARVEST BANK	Out of Town Meals for Choir FY26	1,000.00
11	668	07/01/2025	11696	MARRIOTT COURTYARD	Lodging for OKMEA Choir Conference FY26	692.00
11	669	07/01/2025	74638	MATTHEW RYAN JOHNSON	Meal Reimbursment for OKMEA Conference	150.00
11	670	07/01/2025	79550	RILEY GRACE FAULKNER	Meal Reimbursment for OKMEA Conference	150.00
11	671	07/01/2025	13624	THE COLLEGE BOARD	Yearly Membership for College Board FY26	400.00
11	672	07/01/2025	9908	WHEAT CAPITAL COMMUNICATIONS	Repair and/or Replacement Walkie	700.00
11	673	07/01/2025	12744	CHAUTAUQUA COUNCIL OF ENID, INC.	Chauatauqua in the School Program	400.00
11	674	07/01/2025	369	PDQ PRINTING	Misc. Printing for EHS FY26	1,500.00
11	675	07/01/2025	369	PDQ PRINTING	Principal's Walk Through Forms FY26	500.00
11	676	07/01/2025	292	P & J LLC JUMBO	Refreshments & Supplies for Work Study (Epps)	3,000.00
11	677	07/01/2025	292	P & J LLC JUMBO	Supplies for Work Study (Johnson)	2,500.00
11	678	07/01/2025	4840	CHICK-FIL-A	Refreshments for Work Study Class (Epps)	1,000.00
11	679	07/01/2025	18050	FJ'S PIZZA LLC	Refreshments for Work Study Class (Epps)	500.00
11	680	07/01/2025	18095	ARBITERSPORTS LLC	Subscription Fee	1,815.00
11	681	07/01/2025	16808	REMIND101 INC	DIST WIDE COMM APP	21,011.20
11	682	07/01/2025	2557	CONOCO FLEET, INC.	FUEL	1,500.00
11	683	07/01/2025	73032	DAVID SCOTT PENDLETON	DAVID ALLEN-REIMBURSEMENT OF EXPENSES	250.00
11	684	07/01/2025	16013	BROWER INC	DAVID ALLEN-PORT-A-POTTY ERVICES	2,500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	685	07/01/2025	12575	SHANE D DAVIDSON	DAVID ALLEN-SERVICE ON MOWERS	500.00
11	686	07/01/2025	320	MERRIFIELD OFFICE PLUS	Chairs for front reception	2,784.00
11	687	07/01/2025	440	THOMPSON SCHOOL BOOK DEPOSITORY INC	Quaver Music for Elementary	105,105.00
11	688	07/01/2025	15243	STARR LUMBER CO	CEILING TILES FOR SELBY STADIUM LOCKER ROOM	4,000.00
11	689	07/01/2025	11843	J & P SUPPLY, INC.	CROSS COUNTRY LOCKERROOM SUPPLIES	1,000.00
11	690	07/01/2025	13208	ARVEST BANK	Softball Fast Pitch Out of Town Meals FY26	2,000.00
11	691	07/01/2025	13208	ARVEST BANK	Football Out of Town Meals FY26	3,500.00
11	692	07/01/2025	2180	CCOSA	40 TLE Recertification in person training $75/pp	3,000.00
11	693	07/01/2025	13208	ARVEST BANK	Volleyball Out of Town Meals FY26	2,300.00
11	694	07/01/2025	13208	ARVEST BANK	Boys Cross Country Out of Town Meals FY26	600.00
11	695	07/01/2025	13208	ARVEST BANK	Girls Cross Country Out of Town Meals FY26	600.00
11	696	07/01/2025	13208	ARVEST BANK	Softball Slow Pitch Out of Town Meals FY26	2,000.00
11	697	07/01/2025	13208	ARVEST BANK	Swim Out of Town Meals FY26	3,000.00
11	698	07/01/2025	13208	ARVEST BANK	Wrestling Out of Town Meals FY26	3,500.00
11	699	07/01/2025	13208	ARVEST BANK	Boys Basketball Out of Town Meals FY26	2,300.00
11	700	07/01/2025	13208	ARVEST BANK	Girls Basketball Out of Town Meals FY26	2,300.00
11	701	07/01/2025	13208	ARVEST BANK	Boys Soccer Out of Town Meals FY26	2,700.00
11	702	07/01/2025	13208	ARVEST BANK	Girls Soccer Out of Town Meals FY26	2,700.00
11	703	07/01/2025	13208	ARVEST BANK	Baseball Out of Town Meals FY26	2,000.00
11	704	07/01/2025	13208	ARVEST BANK	Boys Tennis Out of Town Meals FY26	1,500.00
11	705	07/01/2025	13208	ARVEST BANK	Girls Tennis Out of Town Meals FY26	1,500.00
11	706	07/01/2025	13208	ARVEST BANK	Boys Track Out of Town Meals FY26	1,750.00
11	707	07/01/2025	13208	ARVEST BANK	Girls Track Out of Town Meals FY26	1,750.00
11	708	07/01/2025	13208	ARVEST BANK	Boys Golf Out of Town Meals FY26	1,000.00
11	709	07/01/2025	13208	ARVEST BANK	Girls Golf Out of Town Meals FY26	1,000.00
11	711	07/01/2025	13208	ARVEST BANK	P-CARD FUEL VAN 1-4911	500.00
11	712	07/01/2025	13208	ARVEST BANK	P-CARD FUEL VAN 2-9634	500.00
11	713	07/01/2025	13208	ARVEST BANK	P-CARD FUEL VAN 3-5627	500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	714	07/01/2025	13208	ARVEST BANK	P-CARD FUEL VAN 4-7706	500.00
11	715	07/01/2025	13208	ARVEST BANK	P-CARD FUEL VAN 5-2442	500.00
11	716	07/01/2025	13208	ARVEST BANK	P-CARD FUEL SUBURBAN 1-4608	500.00
11	717	07/01/2025	13208	ARVEST BANK	P-CARD FUEL SUBURBAN 2-1512	500.00
11	718	07/01/2025	13208	ARVEST BANK	P-CARD FUEL SUBURBAN 3-7455	500.00
11	719	07/01/2025	13208	ARVEST BANK	P-CARD FUELYUKON 4-0771	500.00
11	720	07/01/2025	13208	ARVEST BANK	P-CARD FUEL YUKON 6-7534	500.00
11	721	07/01/2025	13208	ARVEST BANK	P-CARD FUEL TRAVERSE 7-9547	500.00
11	722	07/01/2025	13208	ARVEST BANK	P-CARD FUEL TRAVERSE 8-8802	500.00
11	723	07/01/2025	13208	ARVEST BANK	P-CARD FUEL ARMADA 6-7043	500.00
11	724	07/01/2025	13208	ARVEST BANK	P-CARD FUEL ARMADA 7-2936	500.00
11	725	07/01/2025	13208	ARVEST BANK	P-CARD FUEL DR. ED CAR 7-9233	500.00
11	726	07/01/2025	13208	ARVEST BANK	P-CARD FUEL DR. ED CAR 8-0695	500.00
11	727	07/01/2025	13208	ARVEST BANK	P-CARD FUEL DR. ED CAR 9-9700	500.00
11	728	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 1-4466	500.00
11	729	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 2-5693	500.00
11	730	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 3-6906	500.00
11	731	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 4-1296	500.00
11	732	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 5-6983	500.00
11	733	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 6-5688	500.00
11	734	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 7-5151	500.00
11	735	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 8-8765	500.00
11	736	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 9-3483	500.00
11	737	07/01/2025	13208	ARVEST BANK	P-CARD FUEL BUS 10-7265	500.00
11	738	07/01/2025	320	MERRIFIELD OFFICE PLUS	FAMILY RESOURCES-OFFICE FURNITURE	7,440.00
11	739	07/01/2025	122	ATWOODS DISTRIBUTION	CAMPUS POLICE-BUSHMASTER M4 RIFLE	1,549.54
11	740	07/01/2025	17035	CREATIVE PRODUCT SOURCING INC	SCHOOL YEAR D.A.R.E. SUPPLIES	3,795.90
11	741	07/01/2025	13769	COPS PRODUCTS LLC	BODY ARMOR AND UNIFORMS	2,000.00
11	742	07/01/2025	6996	LOWE'S HOME IMPROVEMENT WHSE.	Lumber for cubbies for PK Classroom	500.00
11	743	07/01/2025	15354	DREW EICHELBERGER	CLASSROOM MANAGEMENT	4,000.00
11	744	07/01/2025	17460	INSTRUCTIONAL EMPOWERMENT INC	ANNUAL LICENSE RENEWAL	18,540.00
11	745	07/01/2025	17659	INSTRUCTURE INC	MASTERY CONNECT SUBSCRIPTION	83,009.00
11	746	07/01/2025	17099	MCALISTERS DELI	Lunch for children	7,500.00
11	747	07/09/2025	13208	ARVEST BANK	Pom Out of Town Meals FY26	2,000.00
11	748	07/09/2025	13208	ARVEST BANK	Cheer Out of Town Meals FY26	2,000.00
11	749	07/09/2025	11807	MIDWEST SPORTING GOODS	Softball Uniforms	3,360.00
11	750	07/09/2025	18355	BAND TODAY LLC	Frames for Band	2,570.00
11	751	07/09/2025	371	PENDERS MUSIC COMPANY	Music and Scores for Band for Waller	800.00
11	752	07/09/2025	74045	JAMIE B JARNAGIN	Reimbursement to Jarnagin for student needs	400.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	753	07/09/2025	320	MERRIFIELD OFFICE PLUS	General supplies for staff and students	500.00
11	754	07/09/2025	9597	SCHOOL SPECIALTY LLC	Classroom supplies for students/staff	800.00
11	755	07/09/2025	369	PDQ PRINTING	Reading Folders	205.00
11	756	07/09/2025	12580	ROCHESTER 100 INC	Communication Folders	600.00
11	757	07/09/2025	320	MERRIFIELD OFFICE PLUS	Instructional Supplies	1,170.00
11	758	07/09/2025	369	PDQ PRINTING	Student Discipline Forms	100.00
11	759	07/09/2025	320	MERRIFIELD OFFICE PLUS	Classroom Supplies	500.00
11	760	07/09/2025	320	MERRIFIELD OFFICE PLUS	Classroom Supplies for Band FY26	500.00
11	761	07/09/2025	122	ATWOODS DISTRIBUTION	Supplies for Ag	86.34
11	762	07/09/2025	12302	LOVING GUIDANCE LLC	PD for Garfield	31,265.85
11	763	07/09/2025	16809	SEESAW LEARNING INC	Seesaw Licensing for the 25-26 school year	26,812.00
11	764	07/09/2025	14963	SOUTHWEST PROMOTIONAL SOLUTIONS	25-26 COINS	1,100.00
11	765	07/09/2025	7010	ACT	ACT AIM 2 day Onsite training	27,720.00
11	766	07/09/2025	15561	EDUSKILLS LLC	EL Software for Data	31,900.00
11	767	07/09/2025	78420	COURTNEY RENEE REUSS	Reimbursement for daycare supplies	1,000.00
11	768	07/09/2025	17214	DOLLAR TREE - OK	Daycare supplies	1,750.00
11	769	07/09/2025	4550	LITTLE CAESAR'S PIZZA	Pizza for children	1,200.00
11	770	07/09/2025	9340	JOHNDROW'S PEST CONTROL INC	Pest Control	1,500.00
11	771	07/09/2025	11929	WALMART	Daycare supplies	15,000.00
11	772	07/09/2025	16908	HOBBY LOBBY	Daycare supplies	3,500.00
11	773	07/09/2025	99050	CENTRAL KITCHEN-FOOD SERVICE	Meals for children	90,000.00
11	774	07/09/2025	99050	CENTRAL KITCHEN-FOOD SERVICE	Snacks for children	12,000.00
11	775	07/09/2025	5016	UNIVERSAL CLEANING	Carpet cleaning	8,000.00
11	776	07/09/2025	17099	MCALISTERS DELI	Lunch for children	7,500.00
11	777	07/09/2025	292	P & J LLC JUMBO	Milk and snacks for children	4,500.00
11	778	07/09/2025	17038	PROCARE SOFTWARE HOLDING LLC	Attendance software	8,000.00
11	779	07/09/2025	16906	CARE COURSES SCHOOL INC	Online training	1,050.00
11	780	07/09/2025	16513	THERMACUBE LLC	Online training	900.00
11	781	07/09/2025	18237	COUNCIL FOR PROF RECOGNITION	Credential certification	3,000.00
11	782	07/09/2025	18192	TEACHSTONE INC	Online training	3,000.00
11	783	07/09/2025	18188	STRAIGHTERLINE INC	Online training	1,750.00
11	784	07/09/2025	320	MERRIFIELD OFFICE PLUS	Office supplies	5,500.00
11	785	07/09/2025	11843	J & P SUPPLY, INC.	Cleaning supplies	12,500.00
11	786	07/09/2025	6591	ENID ARTS & SCIENCE FOUNDATION	Field trip	1,000.00
11	787	07/09/2025	6526	SKATETOWN	Field trip	1,000.00
11	788	07/09/2025	16133	4RKIDS	Field trip	1,000.00
11	789	07/09/2025	17746	TOWN OF HENNESSEY	Field trip	1,000.00
11	790	07/09/2025	2562	COMMUNITY DEVELOPMENT SUPPORT	CPR/First aid training	1,300.00
11	791	07/09/2025	320	MERRIFIELD OFFICE PLUS	Name tags	500.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	792	07/09/2025	14847	TEACHER SYNERGY LLC	Classroom resources	600.00
11	793	07/09/2025	17721	SAMS CLUB WAREHOUSE	Snacks for children	2,500.00
11	794	07/09/2025	5016	UNIVERSAL CLEANING	Tile waxing service	1,500.00
11	795	07/09/2025	6413	OAKWOOD BOWL	Field trip	1,000.00
11	796	07/09/2025	13203	OKLAHOMA ACTE	G. Julian - OkACTE Summit Registration Aug 4-5	300.00
11	797	07/09/2025	13203	OKLAHOMA ACTE	B. Polwort - OkACTE Summit Registration Aug 4-5	300.00
11	798	07/09/2025	13203	OKLAHOMA ACTE	W. Dorsey- OkACTE Summit Registration Aug 4-5	300.00
11	799	07/09/2025	16413	HOLIDAY INN	PCard-Holiday Inn Sand Springs-Polwort-OkACTE 8/4	175.00
11	800	07/09/2025	16413	HOLIDAY INN	PCard-Holiday Inn Sand Springs - Julian-OkACTE 8/4	175.00
11	801	07/09/2025	16413	HOLIDAY INN	PCard-Holiday Inn Sand Springs - Dorsey-OkACTE 8/4	175.00
11	802	07/09/2025	73485	GLEN W JULIAN	Meals - G. Julian OkACTE Summit Aug 4-5 Tulsa, OK	100.00
11	803	07/09/2025	77776	BRENT A POLWORT	Meals-B. Polwort OkACTE Summit Aug 4-5 Tulsa, OK	100.00
11	804	07/09/2025	79537	WILLIAM JERAY DORSEY	Meals - W. Dorsey OkACTE Summit Aug 4-5 Tulsa, OK	100.00
11	805	07/09/2025	18359	JOAN PARKER	CAFETERIA REFUND	45.00
11	806	07/11/2025	16804	NAPOLIS OF ENID LLC	PRINCIPAL WORKING LUNCH	400.00
11	807	07/11/2025	18358	EAGLE WIRELESS COMM LLC	Purchase tracking devices	2,000.00
11	808	07/11/2025	18323	APEX ELECTRIC SOLUTIONS LLC	ELECTRICAL WORK/REPAIRS	3,000.00
11	809	07/11/2025	9340	JOHNDROW'S PEST CONTROL INC	PEST CONTROL	2,500.00
11	810	07/11/2025	13385	LENNOX INDUSTRIES	35 HEAT EXCHANGERS	31,673.50
11	811	07/11/2025	17627	JF FILTRATION INC	FILTERS FOR DISTRICT	16,949.32
11	812	07/11/2025	15270	BSN SPORTS	Girls Basketball Practice Uniforms & Loops	1,401.30
11	813	07/11/2025	15864	AIRBORNE ATHLETICS INC	Launch Arm Replachment Part for Basketball	72.72
11	814	07/11/2025	18246	EWELL EDUCATION SVCS INC	Entry Fee for Ag	60.00
11	815	07/11/2025	2736	FLINN SCIENTIFIC	Classroom Supplies for Science FY26	2,996.22
11	817	07/11/2025	8510	VERNIER SOFTWARE	Supplies for Science FY26	50.40
11	818	07/11/2025	164	CAROLINA BIOLOGICAL SUPPLY CO	Classroom Supplies for Science FY26	427.79
11	819	07/11/2025	15831	AMAZON CAPITAL SERVICES INC	Classroom Supplies for Science FY26	511.74
11	820	07/11/2025	2736	FLINN SCIENTIFIC	Classroom Supplies for Science FY26	2,734.66
11	821	07/11/2025	15831	AMAZON CAPITAL SERVICES INC	Classroom Supplies for Science FY26	595.28
11	822	07/11/2025	15440	ALLPLAYERS NETWORK INC	Yearly Subscription for All Sports	1,500.00
11	823	07/11/2025	17791	BOX OUT DESIGNS LLC	Graphs & Printing for All Sports	1,500.00
11	824	07/11/2025	13642	CJO INC	PEST CONTROL FOR WALLER	2,000.00

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): GENERAL FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
11	825	07/11/2025	15717	TEAMBUILDR LLC	Athletic Renewal Membership Fee	1,500.00
11	826	07/11/2025	15272	LIFE EMERGENCY MEDICAL SERVICE INC	Ambulance Services for Football	1,500.00
11	827	07/11/2025	17376	SAMUEL E HILL	Media Day Photos for All Sports	4,000.00
11	828	07/11/2025	18066	PERRY WEATHER INC	Weather Software for All Sports	4,000.00
11	829	07/11/2025	9256	GARFIELD COUNTY TRUST AUTHORITY	Chisholm Trail Rental for Graduation FY26	3,500.00
11	830	07/11/2025	13037	OK STATE REGENTS FOR HIGHER ED	REFUND INSPIRED TO TEACH OVERPAYMENT	4,000.00
11	831	07/11/2025	18360	NEATO DESIGN LLC	INDOOR BATTING - MURAL	8,700.00
11	832	07/11/2025	2180	CCOSA	Chad Miller TLE New Admin Training	150.00
11	833	07/11/2025	320	MERRIFIELD OFFICE PLUS	CROSS COUNTRY LOCKER ROOM FURNITURE	3,900.00
11	834	07/14/2025	50282	EPS CHILD NUTRITION	snacks for students	1,500.00
11	835	07/14/2025	11929	WALMART	Instructional cooking classes with students	1,700.00
11	836	07/14/2025	320	MERRIFIELD OFFICE PLUS	School supplies & teacher supplies	1,500.00
11	837	07/14/2025	11929	WALMART	Food and snacks for students	2,000.00
11	838	07/14/2025	13795	OKLAHOMA LITERACY COALITION	Adult Ed. Conference Registration Fees for Staff	450.00
11	839	07/14/2025	11929	WALMART	Sewing machines for Life Skills Class	300.00
11	840	07/14/2025	14316	MARKHAM RESTAURANT SUPPLY CO INC	Longfellow New Equipment	41,336.73
11	841	07/14/2025	15171	DIGI SECURITY SYSTEMS LLC	Campus Police Cameras	2,284.30
11	842	07/14/2025	15171	DIGI SECURITY SYSTEMS LLC	Emerson Door Addition	14,484.57
11	843	07/14/2025	15171	DIGI SECURITY SYSTEMS LLC	Waller Door Addition	9,784.36
11	844	07/14/2025	320	MERRIFIELD OFFICE PLUS	Office Supplies	1,500.00
11	845	07/14/2025	190	CENTRAL OKLAHOMA WATER SERVICES INC	Water System	200.00
11	846	07/14/2025	359	OKLA STATE SCHOOL BOARDS ASSN	OSSBA Admin Training July 21, 2025	1,300.00
11	847	07/14/2025	18362	RESPONSIVE LEARNING LP	April Stanley TLE Re-Certification Training	100.00
11	848	07/14/2025	15225	UTAH STATE UNIVERSITY	Director's Dinner FY26	25.00
11	849	07/14/2025	320	MERRIFIELD OFFICE PLUS	ASC-6 ARMLESS TASK CHAIRS	1,170.00
11	850	07/14/2025	320	MERRIFIELD OFFICE PLUS	Student and Teacher Supplies	2,500.00
11	851	07/14/2025	15831	AMAZON CAPITAL SERVICES INC	Student and Teacher Supplies	5,000.00

Non-Payroll Total:	**$12,833,247.09**
Payroll Total:	**$0.00**
Balance Forward:	**$0.00**
Report Total:	**$12,833,247.09**

Enid Public Schools

Encumbrance Register

Options: Year: 2025-2026, Date Range: 7/1/2025 - 6/30/2026, PO Range: 1 - 4999, Fund(s): BUILDING FUND

Fund	PO No	Date	Vendor No	Vendor	Description	Amount
21	1	07/01/2025	2817	HENSON CONSTRUCTION CO.	New Vo Ag Shop at EHS	705,727.00
21	2	07/01/2025	17770	JOHNSON CONTROLS INC	Sensors for IT Network Closets	10,879.00
21	3	07/01/2025	12680	TITAN FENCE CO	PACER FIELD DUGOUTS	17,365.00
21	4	07/01/2025	2820	CORBIN & MERZ ARCHITECTS INC	NOC-BALLPARK RENOVATION	108,400.00
21	5	07/01/2025	14176	LANG WELL DRILLING INC	HOOVER-ARTIFICIAL TURF	65,915.50
21	6	07/01/2025	16091	LANG WELL DRILLING INC	GLENWOOD-TREE REMOVAL, DIRT WORK, SOD, CONCRETE	99,995.00
21	7	07/01/2025	8065	STAN'S ASPHALT CONSTRUCTION INC	ASPHALT - LONGFELLOW	31,210.00
21	8	07/01/2025	15737	KLEMME CONSTRUCTION INC	EPS SELBY STADIUM LOCKER ROOM	7,150.00
21	9	07/01/2025	15737	KLEMME CONSTRUCTION INC	ELEMENTARY WINDOW SHADES	40,950.00
21	10	07/01/2025	2820	CORBIN & MERZ ARCHITECTS INC	Eisenhower OLDCC Design	400,000.00
21	11	07/14/2025	16091	LANG WELL DRILLING INC	Concrete and Sod for Adams	48,540.00

Non-Payroll Total:	**$1,536,131.50**
Payroll Total:	**$0.00**
Balance Forward:	**$0.00**
Report Total:	**$1,536,131.50**

SURPLUS PROPERTY

I am requesting that the following item(s) be declared surplus property. Upon approval, the item(s) will be removed from my building. Please use one from per room/teacher.

Email to: ragoodwin@enidk12.org
No need for pink paper

BUILDING LOCATION Longfellow DATE: 6/19/25

Room Number Storage Teacher Storage closet across from custodians room

Building Administrator: Jon Mitchell
Signature

Please Complete This Form in Black Ink.

EPS Tag Number (Car Code)	***Description (Make, Model, Etc.)***	***Serial Number***
	1 Ceramic Kiln	

(To be completed by the CFO)

The above listed item(s) were declared "surplus" by the Board of Education

Date

Chief Financial Officer

SURPLUS PROPERTY

I am requesting that the following item(s) be declared surplus property. Upon approval, the item(s) will be removed from my building. Please use one from per room/teacher.

Email to: ragoodwin@enidk12.org
No need for pink paper

BUILDING LOCATION SSC DATE: 7/10/2025

Room Number 12&4 Teacher _____

Building Administrator: Melissa Graddick
Signature

Please Complete This Form in Black Ink.

EPS Tag Number (Car Code)	***Description (Make, Model, Etc.)***	***Serial Number***
	Room 12	
	1 - Black Desk w/Woodtone top	
	Room 4	
	1 - Light Brown L Desk	
	1 - Redish L Desk	
	They are all marked "Surplus" and are empty	

(To be completed by the CFO)

The above listed item(s) were declared "surplus" by the Board of Education

_____ _____

Date Chief Financial Officer

SURPLUS PROPERTY

I am requesting that the following item(s) be declared surplus property. Upon approval, the item(s) will be removed from my building. Please use one from per room/teacher.

Email to: ragoodwin@enidk12.org
No need for pink paper

BUILDING LOCATION ASC DATE: /14/2025

Room Number 224 Teacher Assistant Superintendent Secondary

Building Administrator: Sam Robinson
Signature

Please Complete This Form in Black Ink.

EPS Tag Number (Car Code)	***Description (Make, Model, Etc.)***	***Serial Number***
	DEST AND CRENENZA	

(To be completed by the CFO)

The above listed item(s) were declared "surplus" by the Board of Education

Date

Chief Financial Officer

DHA-E

ENID PUBLIC SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Submit this form to the CFO's Office once signed.

Organization: EHS Volleyball Sponsor: Francisco Site: EHS Date: 6/26/25

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☒

FUNDRAISER NAME: EHS Volleyball Scrimmage

FUNDRAISER DESCRIPTION: Charge entry for spectators (Enid parents will get in free with a donation of snacks, H_2O, Gatorade)

PURPOSE FOR FUNDRAISER (Be Specific): Raise money for equiptment/ tshirts, etc. & snacks/ drinks for tournaments.

LOCATION OF FUNDRAISER: EHS Competition Gym

PROPOSED DATES: July 23, 2025 Time: from 9:00A to 3:00P

Anticipated Amount for this Fundraiser: $ 500.00

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

Principal Initial

Signed by Teacher — Date: 6/26/25

Approved by Athletic Director (if applicable) — Date: 6/26/25

Approved by Building Principal — Date: 6/26/25

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID PUBLIC SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Submit this form to the CFO's Office once signed.

Organization: FFA Sponsor: Mark Hager Site: High School Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Peach sales

FUNDRAISER DESCRIPTION: We will sale fresh peaches on weekend at the Atwoods parking lot

PURPOSE FOR FUNDRAISER (Be Specific): Raise money for the FFA

LOCATION OF FUNDRAISER: Atwoods parking lot

PROPOSED DATES: August 30 to Sept 1 Time: from 8:00 am to 5:00 pm

Anticipated Amount for this Fundraiser: $2500

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Mark H — 07/01/2025

Signed by Teacher — Date

Approved by Athletic Director (if applicable) — Date

[signature] — 7/8/25

Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID PUBLIC SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Submit this form to the CFO's Office once signed.

Organization: FFA Sponsor: Mark Hager Site: High School Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

FUNDRAISER NAME: t shirt sales

Re-Submitted Fundraiser: Yes ☑ No ☐

FUNDRAISER DESCRIPTION: Sale FFA T-shirts

PURPOSE FOR FUNDRAISER (Be Specific): Raise money for the FFA

LOCATION OF FUNDRAISER: FFA Room

PROPOSED DATES: August 15 to Sept 1 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $1000

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

___ Principal Initial

Mark Hager — 07/01/2025

Signed by Teacher — Date

Approved by Athletic Director (if applicable) — Date

Cris Le — 7/8/25

Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID PUBLIC SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Submit this form to the CFO's Office once signed.

Organization: FFA Sponsor: Mark Hager Site: High School Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

FUNDRAISER NAME: My FFA Digital Discount Card Fundraiser Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER DESCRIPTION: digital fundraiser for digital discount card

PURPOSE FOR FUNDRAISER (Be Specific): Raise money for the FFA

LOCATION OF FUNDRAISER: FFA Room

PROPOSED DATES: August 18 to Oct 1 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $4000

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

Principal Initial

Signed by Teacher — Date: 07/01/2025

Approved by Athletic Director (if applicable) — Date

Approved by Building Principal — Date: 7/8/25

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Donation Calendars

FUNDRAISER DESCRIPTION: students solicit donations to fill up a "calendar"

PURPOSE FOR FUNDRAISER (Be Specific): raise money for Military Ball

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: Sep 2025 - Oct 2025 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $ 3000

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher — 7/1/2025 — Date

Approved by Athletic Director (if applicable) — Date

CL — 7/8/25

Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Cimarron Valley hunting dogs

FUNDRAISER DESCRIPTION: help with hunting dog certifications

PURPOSE FOR FUNDRAISER (Be Specific): raise money for Military Ball

LOCATION OF FUNDRAISER:

PROPOSED DATES: March 2026 Time: from ____ to ____

Anticipated Amount for this Fundraiser: $ 1600

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher — 7/1/2025 — Date

Approved by Athletic Director (if applicable) — Date

7/8/25 — Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Adrenaline

FUNDRAISER DESCRIPTION: sell cookies, popcorn and beef sticks

PURPOSE FOR FUNDRAISER (Be Specific): raise money for field trips

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: Feb 2026 - Apr 2026 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $ 8000

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher — 7/1/2025 — Date

Approved by Athletic Director (if applicable) — Date

7/3/25 — Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Military Ball Guest tickets

FUNDRAISER DESCRIPTION: tickets for guests (non-cadets) to attend the Military Ball

PURPOSE FOR FUNDRAISER (Be Specific): pay for Military Ball food, DJ, etc

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: Feb - March 2026 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $500

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray 7/1/2025

Signed by Teacher Date

CS LE 7/8/25

Approved by Building Principal Date

Approved by Athletic Director (if applicable) Date

Received by CFO Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Bataan March and Picnic

FUNDRAISER DESCRIPTION: commemorative t-shirts and food for our annual Bataan March and Picnic

PURPOSE FOR FUNDRAISER (Be Specific): raise money for Military Ball

LOCATION OF FUNDRAISER: Crosslin Park

PROPOSED DATES: Aug 21 - Sept 30 2025 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $500

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher

7/1/2025 — Date

Approved by Athletic Director (if applicable) — Date

CL

7/8/25

Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Snack Bar

FUNDRAISER DESCRIPTION: sell snacks and drinks at EHS Drama and Choir performances and other school events

PURPOSE FOR FUNDRAISER (Be Specific): raise money for Military Ball

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: Aug 2025 - May 2026 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $2000

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher — 7/1/2025 — Date

Approved by Athletic Director (if applicable) — Date

7/8/25 — Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: AFJROTC hoodies, sweatshirts and t-shirts

FUNDRAISER DESCRIPTION: sell clothing with AFJROTC logo

PURPOSE FOR FUNDRAISER (Be Specific): raise money for Military Ball

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: Aug 2025 - Dec 2025 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $500

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher — 7/1/2025 — Date

CM — Approved by Building Principal — 7/8/25 — Date

Approved by Athletic Director (if applicable) — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Summer Leadership Camp

FUNDRAISER DESCRIPTION: Collect money from students attending a summer leadership camp

PURPOSE FOR FUNDRAISER (Be Specific): pay for camp expenses

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: March - May 2026 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $ 350

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher — 7/1/2025 — Date

Approved by Athletic Director (if applicable) — Date

7/8/25 — Approved by Building Principal — Date

Received by CFO — Date

Date Approved by Board of Education

Revised: 11/01/2018

DHA-E

ENID SCHOOLS

ONE FUNDRAISER PER FORM

Fundraiser Request Form

ALL FUNDRAISERS MUST BE APPROVED BY THE BOARD OF EDUCATION

Organization: ROTC Sponsor: Murray Site: EHS Date: 7/1/2025

FUNDRAISER INFORMATION

PLEASE NOTE: IF CHANGES ARE MADE TO AN APPROVED FUNDRAISER IT MUST BE RE-SUBMITTED FOR BOARD APPROVAL

Re-Submitted Fundraiser: Yes ☐ No ☑

FUNDRAISER NAME: Donations

FUNDRAISER DESCRIPTION: Donations from various community organizations

PURPOSE FOR FUNDRAISER (Be Specific): raise money for new sabers

LOCATION OF FUNDRAISER: EHS

PROPOSED DATES: Aug 2025 - May 2026 Time: from _____ to _____

Anticipated Amount for this Fundraiser: $3000

Acknowledgement: I affirm, by submission of and signature of this form, that I will ensure food/snack fundraisers conducted under my supervision on school premises from midnight to thirty (30) minutes after school dismissal will meet the criteria and follow the guidelines set forth in the federal Healthy Hunger Free Kids Act of 2010.

____ Principal Initial

Lance Murray — Signed by Teacher

7/1/2025 — Date

7/8/25 — Date

Approved by Athletic Director (if applicable) — Date

Received by CFO — Date

Approved by Building Principal — **Date**

Date Approved by Board of Education

Revised: 11/01/2018

MEMORANDUM OF UNDERSTANDING
BETWEEN
71ST FLYING TRAINING WING VANCE AFB, OKLAHOMA
AND
ENID PUBLIC SCHOOLS, ENID OKLAHOMA
FOR
INDEPENDENT SCHOOL DISTRICT 57 STUDENT TRANSPORTATION
AGREEMENT NUMBER: 71FTW-MOU-R-060

This is a Memorandum of Understanding (MOU) between the 71st Flying Training Wing Vance AFB, Oklahoma and the Enid Public Schools, 500 S. Independence Enid, Oklahoma. When referred to collectively, the 71st Flying Training Wing Vance AFB, Oklahoma and the Enid Public Schools, Enid Oklahoma are referred to as the "Parties".

1. BACKGROUND: The Vance AFB Community Partnership Program is part of the Air Force's Public-Private initiative started in 2012. This Partnership provides an ongoing framework to identify requirements and needs among partners, and to develop collaboration opportunities to increase the Air Force Base's ability to contribute to the Department of Defense's future mission capabilities and support the economic vitality and quality of life of the region. These partnerships offer a means to leverage the capabilities and resources of military installations, local governments or commercial entities to enhance mission effectiveness or create efficiencies or economies of scale, including reducing costs while enhancing the quality of life for our respective communities. It has been deemed a necessity by both VAFB and EPS that students attending a maximum of two EPS campuses outside of Eisenhower Elementary, Emerson Middle School, and Enid High School require transportation services provided by EPS to and from VAFB and the maximum of two assigned campuses.

2. AUTHORITIES: This MOU is developed in accordance with DAFPD 90-22, *Air Force Community Partnership Program* and the 71 FTW Support Agreement Program.

3. PURPOSE: The purpose of this non-binding MOU is to allow Enid Public Schools administration to annually collaborate with Vance Air Force Base administration to provide an agreed upon plan for student transportation before and after school for no more than two additional EPS campuses outside of Eisenhower Elementary, Emerson Middle School, and Enid High School. Those sites will be collaboratively identified between EPS and VAFB administration in order to aid in an efficient means of military readiness and preparedness to eliminate some of the pressures of student transition between the two identified school sites and VAFB.

4. UNDERSTANDINGS OF THE PARTIES:

4.1. The 71st Flying Training Wing intends to:

4.1.1. Collaborate annually with EPS for an agreed upon plan on before and after school transportation between identified school sites.

4.1.2. Limit transportation requirements to two (2) additional campuses outside of Eisenhower Elementary, Emerson Middle School, and Enid High School.

4.2. The Enid Oklahoma Public School District intends to:

4.2.1. Collaborate annually with VAFB for an agreed upon plan on before and after school transportation for student between identified school sites.

4.2.2. Limit transportation to two (2) additional EPS campuses outside of Eisenhower Elementary School, Emerson Middle School, and Enid High School for VAFB students.

5. PERSONNEL: Each party is responsible for all costs of its personnel, including pay and benefits, support, and travel. Each party is responsible for supervision and management of its personnel.

6. GENERAL PROVISIONS:

6.1. POINTS OF CONTACT (POCs): The following POCs will be used by the Parties to communicate matters concerning this MOU. Each Party may change its POC upon reasonable notice to the other Party.

6.1.1. For the 71st Flying Training Wing:

6.1.1.1. Primary:	Nicole Painter, (580) 213-6285, School Liaison Email: nicole.painter.1@us.af.mil
6.1.1.2. Alternate:	Shirley Wendt, (580) 213-7049 Email: shirley.wendt@us.af.mil

6.1.2. For the Enid Public Schools:

6.1.1.1. Primary:	Dudley D. Darrow, Ed.D. (580) 366-7000, Superintendent Email: dddarrow@enidk12.org
6.1.1.2. Alternate:	N/A Email: N/A

6.1.3. For the 71st Flying Training Wing Support Agreement Manager(s):

6.1.3.1. Primary:	Mr. David W. Henry, (580) 213-7387 Email: david.henry.21@us.af.mil
6.1.3.2. Alternate:	TSgt Devvin C. Cruz, (580) 213-5744 Email: devvin.cruz@us.af.mil

6.2. CORRESPONDENCE: All correspondence to be sent and notices to be given pursuant to this MOU will utilize official email systems.

6.3. FUNDS AND MANPOWER: This MOU does not document nor provide for the exchange of funds or manpower between the Parties nor does it make any commitment of funds or resources. No provision in this MOU will be interpreted to require obligation or payment of funds.

6.4. MODIFICATION OF MOU: This MOU may only be modified by the written agreement of the Parties, duly signed by their authorized representatives. This MOU will be reviewed no less often than at the mid-point of its term and around the anniversary of its effective date in its entirety.

6.5. DISPUTES: Any disputes relating to this MOU will, subject to any applicable law, Executive Order, Directive, or Instruction, be resolved by consultation between the Parties.

6.6. TERMINATION OF UNDERSTANDING: This MOU may be terminated in writing at will by either Party.

6.7. TRANSFERABILITY: This MOU is not transferable except with the written consent of the Parties.

6.8. ENTIRE UNDERSTANDING: It is expressly understood and agreed that this MOU embodies the entire understanding between the Parties regarding the MOU's subject matter, thereby superseding all prior understandings of the Parties with respect to such subject matter.

6.9. EFFECTIVE DATE: This MOU takes effect beginning on the day after the last Party signs.

6.10. EXPIRATION DATE: This MOU expires five (5) years from the effective date. Expiration date is: 26 SEP 29.

6.11 CANCELLATION OF PREVIOUS MOU: This MOU cancels and supersedes the previously signed MOU between the same parties with the Independent School District 57 Student Transportation, 71FTW-CP015 and effective date of 19 Sep 21.

6.12. NO THIRD PART BENEFICIARIES: Nothing in this MOU, express or implied, is intended to give to, or will be construed to confer upon, any person not a party any remedy or claim under or by reason of this MOU and this MOU will be for the sole and exclusive benefit of the Parties.

7. LIST OF ATTACHMENTS:

7.1. Attachment 1: VANCE AIR FORCE BASE INSTALLATION ENTRY ACCESS PROCEDURES

APPROVED:

FOR THE 71ST FLYING TRAINING WING

CHARLES D. THROCKMORTON IV, Col, USAF
Commander, 71st Flying Training Wing

26 Sep 24
(Date)

FOR THE ENID PUBLIC SCHOOLS

DUDLEY D. DARROW (Ed.D.)
Superintendent, Enid Public Schools

6/19/24
(Date)

Mid-Point Review Due Date: 26 MAR 27

Mid-Point Review completed by: _____
Signature and Name of Receiver

ADDENDUM TO EXTEND AGREEMENT

This is an Addendum to an Agreement between **ESS South Central, LLC**, a Delaware limited liability company (the "Company") and the **Enid Public Schools** (hereinafter referred to as "LEA" for Local Education Agency).

Whereas, the LEA and the Company entered into an Agreement whereby Company is to provide substitute staffing to fill positions at the request of the District for a period ending June 30, 2025;

Whereas, LEA and Company are desirous of extending the term of the Agreement through June 30, 2026 with the provisions set forth below;

Now, Therefore, be it agreed between the parties, as follows:

1. The Term of the Agreement, as reflected in Paragraph 7, is hereby extended from July 1, 2025 through June 30, 2026;
2. Effective July 1, 2025, Addendum "A" to the Agreement, Pricing, is amended as per the attached revised Addendum "A";
3. This Agreement will automatically renew for additional one (1) year periods unless either party provides written notice of termination at least ninety days prior to the end of the fiscal school year.
4. Except as specifically and explicitly set forth herein, all other terms of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first set forth below.

Enid Public Schools

By _____
Signature

_____
Name and Title

Date_____

ESS South Central, LLC

By _____
Steve Gritzuk, Chief Operating Officer

EXHIBIT A
Pricing Plan

Position	Pay Rate	Company Bill Rate
Substitute - Full Day - Non-Certified	$85.00	$114.33
Substitute - Full Day - Certified	$100.00	$134.50
Substitute - Half Day - Non-Certified	$42.50	$57.16
Substitute - Half Day - Certified	$50.00	$67.25
Substitute - Long Term Certified - Days 21-35 in same assignment	$100.00	$134.50
Substitute - Long Term Certified - Days 36+ in same assignment *	$204.00	$274.38
Hourly Positions		
Child Nutrition	$9.50	$12.78

*This level pays "teacher of record" rate

Chas. W. Carroll, P.A.

1710 W. Willow
Suite 18
Enid, Oklahoma 73703

Phone 580-234-5468
Fax 580-234-5425

CASH FUND ESTIMATE OF NEEDS AND REQUEST FOR APPROPRIATION

MAKE 4 CLEAN COPIES

Have approved and signed by your board as soon as possible and take to the County Clerk for approval at the Excise Board's next meeting. **NOTE: You are now required to submit a copy of each supplemental to the State Department of Education.**

Copies for:

County Clerk	(1)
School File	(1)
Carroll File	(1)
State Department of Education	(1)

CHAS. W. CARROLL, P.A.

S.A.I. No. 308(2000)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE MUNICIPAL TAX FUND #25 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the Municipal Tax #25 cash fund of ISD#I-57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Fund Balance Forward from FY 24-25	The Sum of $	1,822,569.84
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
TOTAL unappropriated available for purposes of said fund - - - - -		$	1,822,569.84

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____,2025 _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 Okla.St. Ann. § 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the Municipal Tax Levy cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-25	Capital Outlay.	1,866,329	84		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid Oklahoma, this _____ day of _____,2025

ATTEST:

_____ President

_____ Member

_____ Member

_____ Member

_____ Member

_____ Member

_____ Member

Clerk or Secretary to Governing Board

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield, State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid, Oklahoma, this _____ day _____, ,2025

ATTEST:

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

_____ Chairman

_____ Member

_____ Member

Secretary of County Excise Board

S.A.I. No. 308(1985)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE GENERAL PURPOSE BOND #31 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the Gen Purp Bond #31 cash fund of I.S.D. #57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Fund Balance Forward from FY 24-25	The Sum of $	57,603.47
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	

TOTAL unappropriated available for purposes of said fund..... $ 57,603.47

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____,2025 , _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 O.S. 1981,§ 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the Gen Purp Bond #31 cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-31	Current Expense	57,603	47		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid Oklahoma, this _____ day of _____,2025

President

ATTEST:

Member

Member

Member

Clerk or Secretary to Governing Board

Member

Member

Member

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield , State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid , Oklahoma, this _____ day _____ , _____,2025

ATTEST:

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

Chairman

Member

Member

S.A.I. No. 308(1985)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE TRANSPORTATION BOND #34 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the Transp. Bond #34 cash fund of I.S.D. #57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Fund Balance Forward from FY 24-25	The Sum of $	90,213.66
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	

TOTAL unappropriated available for purposes of said fund..... $ 90,213.66

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____, 2025, _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 O.S. 1981,§ 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the Transp. Bond #34 cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-34	Current Expense	90,213	66		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid Oklahoma, this _____ day of _____, 2025

President

ATTEST:

Member

Member

Member

Clerk or Secretary to Governing Board

Member

Member

Member

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield, State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid, Oklahoma, this _____ day _____, ,2025

ATTEST:

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

Chairman

Member

Member

S.A.I. No. 308(1985)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE GENERAL PURPOSE BOND #35 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the Gen Purp Bond #35 cash fund of I.S.D. #57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Fund Balance Forward from FY 24-25	The Sum of $	925,636.72
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	

TOTAL unappropriated available for purposes of said fund..... $ 925,636.72

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____, 2025, _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 O.S. 1981,§ 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the Gen Purp Bond #35 cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-35	Current Expense	925,636	72		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid Oklahoma, this _____ day of _____, 2025

President

ATTEST:

Member

Member

Member

Member

Member

Member

Clerk or Secretary to Governing Board

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield, State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid, Oklahoma, this _____ day _____, ,2025

ATTEST:

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

Chairman

Member

Member

S.A.I. No. 308(1985)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE GENERAL PURPOSE BOND #38 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the Gen Purp Bond #38 cash fund of I.S.D. #57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Fund Balance Forward from FY 24-25	The Sum of $	534,082.46
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	

TOTAL unappropriated available for purposes of said fund..... $ 534,082.46

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____, 2025, _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 O.S. 1981,§ 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the Gen Purp Bond #38 cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-38	Current Expense	534,082	46		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid Oklahoma, this _____ day of _____, 2025

President

ATTEST:

Member

Member

Member

Clerk or Secretary to Governing Board

Member

Member

Member

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield, State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid, Oklahoma, this _____ day _____, ,2025

ATTEST:

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

Chairman

Member

Member

S.A.I. No. 308(1985)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE G O REV/LEASE BOND #39 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the G.O. Bonds #39 cash fund of I.S.D. #57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Fund Balance Forward from FY 24-25	The Sum of $	10,567,945.33
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	

TOTAL unappropriated available for purposes of said fund..... $ 10,567,945.33

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____, 2025, _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 O.S. 1981,§ 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the G.O. Bonds #39 cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-39	Current Expense	10,567,945	33		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid Oklahoma, this _____ day of _____, 2025

President

ATTEST:

Member

Member

Member

Member

Member

Member

Clerk or Secretary to Governing Board

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield, State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid, Oklahoma, this _____ day _____, 2025.

ATTEST:

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

Chairman

Member

Member

S.A.I. No. 308(2000)

Cash Fund Estimate of Needs and Request for Appropriation

FOR THE ENDOWMENT #50 CASH FUND

OF ENID ISD #I-57 MUNICIPALITY

County, City or Town

Certificate of County Treasurer

I, hereby certify that I have received and now hold, in actual cash actually on hand available for and subject to appropriation to the Endowment #50 cash fund of ISD #I-57 of Garfield County, Oklahoma, derived from the following designated sources and restricted by statute to expenditure for the purposes for which such fund was created as follows, to-wit:

From	Donations	The Sum of $	433,053.50
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	
From		The Sum of $	

TOTAL unappropriated available for purposes of said fund - - - - - $ 433,053.50

Said sums include no part of any revenues heretofore reported and appropriated for the purposes of said cash fund and are being held subject to action by the County Excise Board.

Certified to this _____ day of _____ ,2025 _____ Treasurer

By _____ Deputy

To the Excise Board of Garfield County, Oklahoma

This is to certify that, pursuant to the 5th proviso of 62 Okla.St. Ann. § 331 there has accrued in the Treasury and is hereinbefore certified to as available for appropriation and use in the Endowment #50 cash fund of the aforesaid municipality, an amount of money equal to or greater than the total estimated needs hereinafter set out, that the Itemized purposes hereinafter named are lawful purposes to which said fund may be put, and we hereby respectfully request approval and appropriation therefore as follows, to-wit:

ACCT.NO.	PURPOSE	AMOUNT REQUESTED		APPROVED BY EXCISE BOARD	
26-50	Current Expense	433,056	50		

Done by order of the Governing Board of said Municipality and recorded in the minutes of the Clerk at Enid

Oklahoma, this _____ day of _____ , 2025

ATTEST:

_____
Clerk or Secretary to Governing Board

_____ President
_____ Member
_____ Member
_____ Member
_____ Member
_____ Member
_____ Member

CERTIFICATE OF THE COUNTY EXCISE BOARD

County of Garfield , State of Oklahoma, ss:

We, the undersigned duly qualified and acting members of the Excise Board in aforesaid County and State, having considered the estimate of needs submitted by the Governing Board of said Municipality and, to the extent that the same was within the amount of cash available for such purpose, we have approved the several items of appropriation ascertained to be for purpose authorized by law and have indicated the items and amounts for approval in the last column.

Done at Enid , Oklahoma, this _____ day _____ , ,2025

ATTEST:

_____
Secretary of County Excise Board

COUNTY EXCISE BOARD OF THE AFORESAID COUNTY AND STATE

_____ Chairman
_____ Member
_____ Member

MEDICAL EXAMINATIONS FOR EMPLOYEES

Every employee of the school district must be physically capable of performing the duties for which the employee is hired and/or assigned. To verify physical fitness and capability of continuing to perform one's duties, medical examinations may be required of any employee at the discretion of the board of education or its designated officer, on an individual basis. Such examinations shall be at the district's expense. An employee could choose to use their personal physician to provide such documentation at their own expense.

A drug screening test may be a part of the physical examination for all applicants who are required to take a pre-employment physical examination. All applicants will be notified of this requirement. Any applicant who refuses to take the drug screening test or whose test is positive for the presence of illegal chemical substances will not be considered for employment.

All drivers of commercial motor vehicles who are required to hold a commercial driver's license (CDL) are subject to Department of Transportation regulations for alcohol and controlled substances testing for persons in safety-sensitive positions and will be tested accordingly.

Sam Robinson, Ed.D.
CHIEF FINANCIAL OFFICER
500 S. Independence, Enid, OK 73701 I Phone 580.366.7000 I Fax 580.366.8900
www.enidpublicschools.org I sjrobinson@enidk12.org

July 10, 2025

TO: Board Members

FROM: Sam Robinson, CFO

RE: District Financial Report

The attached is a series of reports reflecting both receipts and expenditures for the current fiscal year through **30 June 2025.** You will find a single spreadsheet condensing both revenue and expenditures for all appropriated funds onto one at-a-glance report with single lines of entries for each fund. Also included in the District Financial Report is the Activity Fund report reflecting financial transactions for the various activity funds this fiscal year through the month of **June.** These reports are summaries of balances, receipts and expenditures by authorized sub-account.

TABLE OF CONTENTS

Appropriated Fund Summaries	Page 2
General Fund (11) Revenue	Pages 3-10
General Fund (11) Expenditures	Pages 11-14
Building Fund (21) Revenue	Page 15-16
Building Fund (21) Expenditures	Page 17
Municipal Tax Levy Fund (25) Revenue	Page 18
Municipal Tax Levy Fund (25) Expenditures	Page 19
2016 Combined Purpose Building Bond Fund (31) Revenue	Page 20
2016 Combined Purpose Building Bond Fund (31) Expenditures	Page 21
Transportation Bond Fund (34) Revenue	Page 22
Transportation Bond Fund (34) Expenditures	Page 23
One to One & Security Bond Fund (35) Revenue	Page 24
One to One & Security Bond Fund (35) Expenditures	Page 25
2010 G.O. Revenue-Lease Payment Bond Fund (38) Revenue	Page 26
2010 G.O. Revenue-Lease Payment Bond Fund (38) Expenditures	Page 27
2016 G.O. Revenue-Lease Payment Bond Fund (39) Revenue	Page 28
2016 G.O. Revenue-Lease Payment Bond Fund (39) Expenditures	Page 29
Sinking Fund (41) Revenue	Page 30
Sinking Fund (41) Expenditures (Treas. Cks. Issued-wire transfers)	Page 31
Endowment Fund (50) Revenue	Page 32
Endowment Fund (50) Expenditures	Page 33
Garfield County Educational Facilities Authority Total Collections and Earnings	**Page 34**
Garfield County Educational Facilities Authority 2016 Rev Bond Fund Expense	**Page 35-38**
Investment Listing by Fund	Page 39-40
EPS Activity Fund (60)	Page 41-47
EPS Activity Fund (67) Gifts and Donations	Page 48

Code	Fund Name	Appropriated / Estimated	Collected	Collections Over/Under	Obligations/ Encumbrances	Payments/ Warrants	Unencumbered Balance	Cash Balance
11	General	$ 98,026,186.13	$ 103,135,858.49	$ 5,109,672.36	$ 77,908,376.79	$ 75,818,869.32	$ 20,117,809.34	$ 27,316,989.17
21	Building	$ 6,549,366.04	$ 8,615,023.08	$ 2,065,657.04	$ 4,949,129.93	$ 4,491,454.25	$ 1,600,236.11	$ 4,123,568.83
	Operating Funds	**$ 104,575,552.17**	**$ 111,750,881.57**	**$ 7,175,329.40**	**$ 82,857,506.72**	**$ 80,310,323.57**	**$ 21,718,045.45**	**$ 31,440,558.00**
25	Municipal Tax Levy	$ 1,785,191.29	$ 1,866,329.71	$ 81,138.42	$ 43,759.87	$ 43,759.87	$ 1,741,431.42	$ 1,822,569.84
31	2016 Combined Purp. Bond	$ 56,461.49	$ 57,603.47	$ 1,141.98	$ -	$ -	$ 56,461.49	$ 57,603.47
34	Transportation Bond	$ 601,639.50	$ 603,213.66	$ 1,574.16	$ 513,000.00	$ 300,000.00	$ 88,639.50	$ 303,213.66
35	One to One and Security Bond	$ 900,000.00	$ 1,825,636.72	$ 925,636.72	$ 900,000.00	$ 900,000.00	$ -	$ 925,636.72
38	2010 G.O. Rev Lease Pmt BF	$ 8,593,579.51	$ 8,699,163.33	$ 105,583.82	$ 8,165,080.87	$ 8,165,080.87	$ 428,498.64	$ 534,082.46
39	2016 G.O. Rev Lease Pmt BF	$ 2,109,754.60	$ 12,337,362.33	$ 10,227,607.73	$ 1,769,471.00	$ 1,769,417.00	$ 340,283.60	$ 10,567,945.33
	Capital Projects Funds	**$ 14,046,626.39**	**$ 25,389,309.22**	**$ 11,342,682.83**	**$ 11,391,311.74**	**$ 11,178,257.74**	**$ 2,655,314.65**	**$ 14,211,051.48**
41	**Sinking (debt retirement)**	$ 10,749,770.62	$ 11,011,134.97	$ 261,364.35	$ 10,701,142.50	$ 10,701,142.50	$ 48,628.12	$ 309,992.47
50	**Endowment (trust)**	$ 445,922.96	$ 446,553.50	$ 630.54	$ 13,500.00	$ 13,500.00	$ 432,422.96	$ 433,053.50
	DISTRICT TOTALS	**$ 129,817,872.14**	**$ 148,597,879.26**	**$ 18,780,007.12**	**$ 104,963,460.96**	**$ 102,203,223.81**	**$ 24,854,411.18**	**$ 46,394,655.45**
72	**Gar Co Edu Fac Auth 2016**	**$ 60,151,202.09**	**$ 62,915,688.75**	**$ 2,764,486.66**	**$ 60,151,202.09**	**$ 60,151,202.09**	**$ -**	**$ 2,764,486.66**
	GRAND TOTAL AVAILABLE	**$ 189,969,074.23**	**$ 211,513,568.01**	**$ 21,544,493.78**	**$ 165,114,663.05**	**$ 162,354,425.90**	**$ 24,854,411.18**	**$ 49,159,142.11**

Notes and definitions:

Collections over/under are the differences, by fund, between estimates and actual collections. Positive numbers indicate overcollections.

Obligations/encumbrances include all recognized contracts, orders or debts to be made against the current year's appropriation (spending limit).

Payments/warrants include all payments, for goods or services received, made as of the report date.

Unencumbered balance is the remainder of the unobligated appropriation. What we have left to spend. (Appropriation - Encumbrances = Unencumbered Balance)

Cash balance is total temporary surplus cash available to register warrants or payments. (Collections - Payments = Cash Balance)

All Garfield County Educational Facilities Authority funds are maintained in a Trustee account in Bank of Oklahoma, Tulsa

Prepared by:
Sam Robinson

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 11 GENERAL FUND						
Series - 0000 RECEIVABLE/REVENUE						
Source - 0000 RECEIVABLE/REVENUE						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
511 PART A. BASIC PROGRAM	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
572 T-III PART A, ENG LANG ACQ	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 0000 RECEIVABLE/REVENUE Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 0000 RECEIVABLE/REVENUE Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 1000						
Source - 1110 AD VALOREM TAX LEVY (CURRENT)						
000 NON-CATEGORICAL EXP	$12,054,882.15	$13,225,172.10	$0.00	$1,170,289.95	109.71%	$150,426.26
Source - 1110 AD VALOREM TAX LEVY (CURRENT) Total	**$12,054,882.15**	**$13,225,172.10**	**$0.00**	**$1,170,289.95**	**109.71%**	**$150,426.26**
Source - 1120 AD VALOREM TAX LEVY (PR.YRS)						
000 NON-CATEGORICAL EXP	$0.00	$466,920.41	$0.00	$466,920.41	N/A	$24,893.02
Source - 1120 AD VALOREM TAX LEVY (PR.YRS) Total	**$0.00**	**$466,920.41**	**$0.00**	**$466,920.41**	**N/A**	**$24,893.02**
Source - 1130 REVENUE IN LIEU OF TAXES						
000 NON-CATEGORICAL EXP	$0.00	$30,559.51	$0.00	$30,559.51	N/A	$0.00
Source - 1130 REVENUE IN LIEU OF TAXES Total	**$0.00**	**$30,559.51**	**$0.00**	**$30,559.51**	**N/A**	**$0.00**
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$1,176,290.33	$915,648.70	$260,641.63	$0.00	77.84%	$291,818.78
Source - 1310 INTEREST EARNINGS Total	**$1,176,290.33**	**$915,648.70**	**$260,641.63**	**$0.00**	**77.84%**	**$291,818.78**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$308,328.44	$0.00	$308,328.44	N/A	$40,224.93
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$308,328.44**	**$0.00**	**$308,328.44**	**N/A**	**$40,224.93**
Source - 1350 INTEREST ON TAXES						
000 NON-CATEGORICAL EXP	$0.00	$12,128.32	$0.00	$12,128.32	N/A	$3,054.54
Source - 1350 INTEREST ON TAXES Total	**$0.00**	**$12,128.32**	**$0.00**	**$12,128.32**	**N/A**	**$3,054.54**
Source - 1420 RENTAL NOT SCHOOL FACILITIES						
000 NON-CATEGORICAL EXP	$0.00	$72,931.76	$0.00	$72,931.76	N/A	$5,445.28
020 HISET (GED) Testing	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 1420 RENTAL NOT SCHOOL FACILITIES Total	**$0.00**	**$72,931.76**	**$0.00**	**$72,931.76**	**N/A**	**$5,445.28**
Source - 1440 SALES OF EQUIP,SERV,& MATERIAL						
000 NON-CATEGORICAL EXP	$0.00	$3,514.75	$0.00	$3,514.75	N/A	$209.00
Source - 1440 SALES OF EQUIP,SERV,& MATERIAL Total	**$0.00**	**$3,514.75**	**$0.00**	**$3,514.75**	**N/A**	**$209.00**
Source - 1460 COMMISSIONS						
000 NON-CATEGORICAL EXP	$0.00	$7,790.00	$0.00	$7,790.00	N/A	$779.00
020 HISET (GED) Testing	$0.00	$1,057.50	$0.00	$1,057.50	N/A	$345.00
102 Coca Cola Contract	$0.00	$73.95	$0.00	$73.95	N/A	$0.00
Source - 1460 COMMISSIONS Total	**$0.00**	**$8,921.45**	**$0.00**	**$8,921.45**	**N/A**	**$1,124.00**
Source - 1510 INSURANCE LOSS RECOVERIES						
017 Insurance Loss Recovery	$0.00	$33,839.67	$0.00	$33,839.67	N/A	$0.00
Source - 1510 INSURANCE LOSS RECOVERIES Total	**$0.00**	**$33,839.67**	**$0.00**	**$33,839.67**	**N/A**	**$0.00**
Source - 1530 DAMAGES TO SCHOOL PROPERTY						
000 NON-CATEGORICAL EXP	$0.00	$2,615.00	$0.00	$2,615.00	N/A	$210.00
Source - 1530 DAMAGES TO SCHOOL PROPERTY Total	**$0.00**	**$2,615.00**	**$0.00**	**$2,615.00**	**N/A**	**$210.00**
Source - 1610 CONTRIBUTIONS/DONATIONS-PRIV.						
000 NON-CATEGORICAL EXP	$0.00	$46,413.39	$0.00	$46,413.39	N/A	$40,949.74

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
028 Ag Education	$0.00	$2,100.00	$0.00	$2,100.00	N/A	$0.00
045 Teacher Cadet	$0.00	$600.00	$0.00	$600.00	N/A	$0.00
057 STEM/STEAM/FAB Donations	$0.00	$713.00	$0.00	$713.00	N/A	$0.00
070 CNP Local Funding/Catering	$0.00	$5,871.35	$0.00	$5,871.35	N/A	$146.00
094 Great Land Run Ed Foundation	$0.00	$32,286.30	$0.00	$32,286.30	N/A	$0.00
097 State Arts Council Local Share	$0.00	$10,000.00	$0.00	$10,000.00	N/A	$0.00
135 Lincoln Allocation	$0.00	$2,320.37	$0.00	$2,320.37	N/A	$0.00
160 McKinley Allocation	$0.00	$846.00	$0.00	$846.00	N/A	$846.00
165 Monroe Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
180 Emerson Allocation	$0.00	$250.00	$0.00	$250.00	N/A	$250.00
181 Longfellow Allocation	$0.00	$1,520.00	$0.00	$1,520.00	N/A	$0.00
183 Sec Schl Instrument Allocation	$0.00	$94.00	$0.00	$94.00	N/A	$0.00
189 Enid Arts and Humanities Don.	$0.00	$4,376.00	$0.00	$4,376.00	N/A	$2,876.00
337 STATE ARTS COUNCIL GRANT	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 1610 CONTRIBUTIONS/DONATIONS-PRIV. Total	**$0.00**	**$107,390.41**	**$0.00**	**$107,390.41**	**N/A**	**$45,067.74**
Source - 1620 COMMUNITY SERVICES						
000 NON-CATEGORICAL EXP	$0.00	$339.52	$0.00	$339.52	N/A	$0.00
014 EPS C.A.R.E.S.	$0.00	$378,212.26	$0.00	$378,212.26	N/A	$30,542.71
Source - 1620 COMMUNITY SERVICES Total	**$0.00**	**$378,551.78**	**$0.00**	**$378,551.78**	**N/A**	**$30,542.71**
Source - 1650 DISTRICT CONTRACTS						
000 NON-CATEGORICAL EXP	$0.00	$15,925.00	$0.00	$15,925.00	N/A	$0.00
Source - 1650 DISTRICT CONTRACTS Total	**$0.00**	**$15,925.00**	**$0.00**	**$15,925.00**	**N/A**	**$0.00**
Source - 1660 MINERAL ROYALTIES/LEASE REV.						
000 NON-CATEGORICAL EXP	$0.00	$1,102.42	$0.00	$1,102.42	N/A	$116.97
Source - 1660 MINERAL ROYALTIES/LEASE REV. Total	**$0.00**	**$1,102.42**	**$0.00**	**$1,102.42**	**N/A**	**$116.97**
Source - 1680 REFUND PRIOR YR EXPENDITURES						
000 NON-CATEGORICAL EXP	$0.00	$61,905.39	$0.00	$61,905.39	N/A	$0.00
040 Curriculum Dept	$0.00	$6,884.55	$0.00	$6,884.55	N/A	$0.00
070 CNP Local Funding/Catering	$0.00	$8,328.25	$0.00	$8,328.25	N/A	$0.00
185 Enid High Alloction	$0.00	$360.00	$0.00	$360.00	N/A	$0.00
Source - 1680 REFUND PRIOR YR EXPENDITURES Total	**$0.00**	**$77,478.19**	**$0.00**	**$77,478.19**	**N/A**	**$0.00**
Source - 1690 MISC. REV. FROM DIST.SOURCE						
000 NON-CATEGORICAL EXP	$0.00	$66,167.20	$0.00	$66,167.20	N/A	$33,670.01
056 LEGAL SETTLEMENTS	$0.00	$17,077.23	$0.00	$17,077.23	N/A	$0.00
070 CNP Local Funding/Catering	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
080 AFJROTC - Local Share	$0.00	$1,970.25	$0.00	$1,970.25	N/A	$1,970.25
180 Emerson Allocation	$0.00	$423.00	$0.00	$423.00	N/A	$0.00
181 Longfellow Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
182 Waller Allocation	$0.00	$496.00	$0.00	$496.00	N/A	$0.00
Source - 1690 MISC. REV. FROM DIST.SOURCE Total	**$0.00**	**$86,133.68**	**$0.00**	**$86,133.68**	**N/A**	**$35,640.26**
Source - 1710 STUDENTS' LUNCHES						
070 CNP Local Funding/Catering	$0.00	$12,396.89	$0.00	$12,396.89	N/A	$24.65
956 Child Nutrition Receipts	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 1710 STUDENTS' LUNCHES Total	**$0.00**	**$12,396.89**	**$0.00**	**$12,396.89**	**N/A**	**$24.65**
Source - 1730 ADULT LUNCHES/BREAKFASTS						
070 CNP Local Funding/Catering	$0.00	$2,590.15	$0.00	$2,590.15	N/A	$135.70
Source - 1730 ADULT LUNCHES/BREAKFASTS Total	**$0.00**	**$2,590.15**	**$0.00**	**$2,590.15**	**N/A**	**$135.70**
Source - 1790 OTHER DIST.REVENUE (CHILD NUT)						
070 CNP Local Funding/Catering	$0.00	$177,302.88	$0.00	$177,302.88	N/A	$12,645.84

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Source - 1790 OTHER DIST.REVENUE (CHILD NUT) Total	**$0.00**	**$177,302.88**	**$0.00**	**$177,302.88**	**N/A**	**$12,645.84**
Source - 1830 CONCESSIONS						
000 NON-CATEGORICAL EXP	$0.00	$60.00	$0.00	$60.00	N/A	$0.00
077 Elementary Asst. Super. Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 1830 CONCESSIONS Total	**$0.00**	**$60.00**	**$0.00**	**$60.00**	**N/A**	**$0.00**
Source - 1970 STUDENT CLUBS & ORGANIZATIONS						
070 CNP Local Funding/Catering	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 1970 STUDENT CLUBS & ORGANIZATIONS Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 1000 Total	**$13,231,172.48**	**$15,939,511.51**	**$260,641.63**	**$2,968,980.66**	**120.47%**	**$641,579.68**
Series - 2000						
Source - 2100 COUNTY 4 MILL AD VALOREM TAX						
000 NON-CATEGORICAL EXP	$2,047,325.41	$2,193,486.41	$0.00	$146,161.00	107.14%	$17,452.94
Source - 2100 COUNTY 4 MILL AD VALOREM TAX Total	**$2,047,325.41**	**$2,193,486.41**	**$0.00**	**$146,161.00**	**107.14%**	**$17,452.94**
Source - 2200 COUNTY APPORT.(MORTGAGE TAX)						
000 NON-CATEGORICAL EXP	$166,294.04	$260,178.91	$0.00	$93,884.87	156.46%	$31,643.24
Source - 2200 COUNTY APPORT. (MORTGAGE TAX) Total	**$166,294.04**	**$260,178.91**	**$0.00**	**$93,884.87**	**156.46%**	**$31,643.24**
Series - 2000 Total	**$2,213,619.45**	**$2,453,665.32**	**$0.00**	**$240,045.87**	**110.84%**	**$49,096.18**
Series - 3000						
Source - 3110 GROSS PRODUCTION TAX						
000 NON-CATEGORICAL EXP	$441,833.09	$404,194.24	$37,638.85	$0.00	91.48%	$37,996.99
Source - 3110 GROSS PRODUCTION TAX Total	**$441,833.09**	**$404,194.24**	**$37,638.85**	**$0.00**	**91.48%**	**$37,996.99**
Source - 3120 MOTOR VEHICLE COLLECTIONS						
000 NON-CATEGORICAL EXP	$2,940,869.77	$3,145,850.03	$0.00	$204,980.26	106.97%	$284,845.89
Source - 3120 MOTOR VEHICLE COLLECTIONS Total	**$2,940,869.77**	**$3,145,850.03**	**$0.00**	**$204,980.26**	**106.97%**	**$284,845.89**
Source - 3130 RURAL ELECTRIC COOP.TAX						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 3130 RURAL ELECTRIC COOP.TAX Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Source - 3140 STATE SCHOOL LAND EARNINGS						
000 NON-CATEGORICAL EXP	$1,164,897.35	$1,359,856.46	$0.00	$194,959.11	116.74%	$118,451.49
Source - 3140 STATE SCHOOL LAND EARNINGS Total	**$1,164,897.35**	**$1,359,856.46**	**$0.00**	**$194,959.11**	**116.74%**	**$118,451.49**
Source - 3150 VEHICLE TAX STAMPS						
000 NON-CATEGORICAL EXP	$0.00	$6,448.75	$0.00	$6,448.75	N/A	$381.16
Source - 3150 VEHICLE TAX STAMPS Total	**$0.00**	**$6,448.75**	**$0.00**	**$6,448.75**	**N/A**	**$381.16**
Source - 3210 FOUNDATION AND SALARY INCEN.						
000 NON-CATEGORICAL EXP	$35,345,662.61	$35,618,433.90	$0.00	$272,771.29	100.77%	$3,207,266.17
Source - 3210 FOUNDATION AND SALARY INCEN. Total	**$35,345,662.61**	**$35,618,433.90**	**$0.00**	**$272,771.29**	**100.77%**	**$3,207,266.17**
Source - 3250 EDUCATION FLEX.BENEFIT ALLOW.						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
331 EDFBA-CERT-IN LIEU	$61,902.48	$66,851.89	$0.00	$4,949.41	108.00%	$7,841.73
332 EDFBA-SUPPORT-IN LIEU	$244,745.62	$275,809.26	$0.00	$31,063.64	112.69%	$39,882.02
334 EFBA-CERTIFIED	$3,808,590.48	$3,865,601.90	$0.00	$57,011.42	101.50%	$453,435.11
335 EFBA-SUPPORT	$2,685,423.28	$2,925,915.68	$0.00	$240,492.40	108.96%	$423,087.42
Source - 3250 EDUCATION FLEX.BENEFIT ALLOW. Total	**$6,800,661.86**	**$7,134,178.73**	**$0.00**	**$333,516.87**	**104.90%**	**$924,246.28**
Source - 3310 ALTERNATIVE AND HIGH CHALLENGE						
388 ALTERNATIVE EDUCATION GRANTS	$0.00	$150,609.53	$0.00	$150,609.53	N/A	$0.00
Source - 3310 ALTERNATIVE AND HIGH CHALLENGE Total	**$0.00**	**$150,609.53**	**$0.00**	**$150,609.53**	**N/A**	**$0.00**
Source - 3412 NAT'L BD CERTIFIED TEACHER PM						

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
312 Nat'l Bd Certified Teacher Pm	$0.00	$40,000.00	$0.00	$40,000.00	N/A	$0.00
Source - 3412 NAT'L BD CERTIFIED TEACHER PM Total	**$0.00**	**$40,000.00**	**$0.00**	**$40,000.00**	**N/A**	**$0.00**
Source - 3413 INSPIRED TO TEACH INCENTIVE PMT						
305 Inspired 2 Teach	$0.00	$8,000.00	$0.00	$8,000.00	N/A	$0.00
Source - 3413 INSPIRED TO TEACH INCENTIVE PMT Total	**$0.00**	**$8,000.00**	**$0.00**	**$8,000.00**	**N/A**	**$0.00**
Source - 3414 Ok Paid Student Teacher Stipends						
311 Oklahoma Paid Student Teacher Stipends	$0.00	$10,494.00	$0.00	$10,494.00	N/A	$0.00
Source - 3414 Ok Paid Student Teacher Stipends Total	**$0.00**	**$10,494.00**	**$0.00**	**$10,494.00**	**N/A**	**$0.00**
Source - 3415 READING SUFFICIENCE ACT						
367 STRONG READERS	$0.00	$237,062.94	$0.00	$237,062.94	N/A	$0.00
Source - 3415 READING SUFFICIENCE ACT Total	**$0.00**	**$237,062.94**	**$0.00**	**$237,062.94**	**N/A**	**$0.00**
Source - 3420 STATE TEXTBOOK						
333 STATE TEXTBOOKS	$490,732.66	$490,732.66	$0.00	$0.00	100.00%	$0.00
Source - 3420 STATE TEXTBOOK Total	**$490,732.66**	**$490,732.66**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Source - 3430 ADULT EDUCATION MATCHING						
319 ADULT ED MATCHING	$17,868.78	$17,312.18	$556.60	$0.00	96.89%	$0.00
Source - 3430 ADULT EDUCATION MATCHING Total	**$17,868.78**	**$17,312.18**	**$556.60**	**$0.00**	**96.89%**	**$0.00**
Source - 3435 Redbud School Funding Act						
318 REDBUD SCHOOL FUNDING ACT	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 3435 Redbud School Funding Act Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Source - 3436 SCHOOL RESOURCE OFFICER PROGRAM						
376 School Resource Officer Program	$92,000.00	$99,600.05	$0.00	$7,600.05	108.26%	$0.00
377 Maternity Leave	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 3436 SCHOOL RESOURCE OFFICER PROGRAM Total	**$92,000.00**	**$99,600.05**	**$0.00**	**$7,600.05**	**108.26%**	**$0.00**
Source - 3437 MATERNITY						
377 Maternity Leave	$0.00	$132,867.05	$0.00	$132,867.05	N/A	$41,674.69
Source - 3437 MATERNITY Total	**$0.00**	**$132,867.05**	**$0.00**	**$132,867.05**	**N/A**	**$41,674.69**
Source - 3440 DRIVER EDUCATION						
317 DRIVER ED	$0.00	$5,032.50	$0.00	$5,032.50	N/A	$0.00
Source - 3440 DRIVER EDUCATION Total	**$0.00**	**$5,032.50**	**$0.00**	**$5,032.50**	**N/A**	**$0.00**
Source - 3620 STATE LAND REIMBURSEMENT						
000 NON-CATEGORICAL EXP	$0.00	$19.46	$0.00	$19.46	N/A	$0.00
Source - 3620 STATE LAND REIMBURSEMENT Total	**$0.00**	**$19.46**	**$0.00**	**$19.46**	**N/A**	**$0.00**
Source - 3630 DEPART. OF HUMAN SERVICES						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
014 EPS C.A.R.E.S.	$0.00	$316,738.60	$0.00	$316,738.60	N/A	$15,414.30
021 DHS Social Services	$0.00	$10,331.75	$0.00	$10,331.75	N/A	$0.00
Source - 3630 DEPART. OF HUMAN SERVICES Total	**$0.00**	**$327,070.35**	**$0.00**	**$327,070.35**	**N/A**	**$15,414.30**
Source - 3690 MISC. SOURCES OF STATE REVENUE						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
066 *	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
180 Emerson Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
181 Longfellow Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
182 Waller Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
337 STATE ARTS COUNCIL GRANT	$0.00	$474.93	$0.00	$474.93	N/A	$0.00
361 ACE TECHNOLOGY	$0.00	$32,048.21	$0.00	$32,048.21	N/A	$0.00

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Source - 3690 MISC. SOURCES OF STATE REVENUE Total	**$0.00**	**$32,523.14**	**$0.00**	**$32,523.14**	**N/A**	**$0.00**
Source - 3720 STATE MATCHING						
385 CNP STATE MATCH FUNDS	$40,133.32	$44,008.16	$0.00	$3,874.84	109.65%	$0.00
Source - 3720 STATE MATCHING Total	**$40,133.32**	**$44,008.16**	**$0.00**	**$3,874.84**	**109.65%**	**$0.00**
Source - 3811 COMP. HS VOC. SALARY REIM.						
411 COMPREHENSIVE SECONDARY PROG.	$23,720.00	$25,920.00	$0.00	$2,200.00	109.27%	$0.00
Source - 3811 COMP. HS VOC. SALARY REIM. Total	**$23,720.00**	**$25,920.00**	**$0.00**	**$2,200.00**	**109.27%**	**$0.00**
Source - 3812 VOC PROG ASSISTANCE GRANTS						
412 VOC.PROG.INCENTIVE ASST.GRANTS	$68,500.00	$78,000.00	$0.00	$9,500.00	113.87%	$0.00
Source - 3812 VOC PROG ASSISTANCE GRANTS Total	**$68,500.00**	**$78,000.00**	**$0.00**	**$9,500.00**	**113.87%**	**$0.00**
Series - 3000 Total	**$47,426,879.44**	**$49,368,214.13**	**$38,195.45**	**$1,979,530.14**	**104.09%**	**$4,630,276.97**
Series - 4000						
Source - 4140 TITLE VI-INDIAN ED.						
561 T-VI PART A, INDIAN EDUC	$0.00	$29,272.61	$0.00	$29,272.61	N/A	$12,243.26
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$13,541.61	$0.00	$13,541.61	N/A	$0.00
Source - 4140 TITLE VI-INDIAN ED. Total	**$0.00**	**$42,814.22**	**$0.00**	**$42,814.22**	**N/A**	**$12,243.26**
Source - 4150 ROTC						
779 AFJROTC-Activities	$0.00	$84,934.34	$0.00	$84,934.34	N/A	$7,483.97
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 4150 ROTC Total	**$0.00**	**$84,934.34**	**$0.00**	**$84,934.34**	**N/A**	**$7,483.97**
Source - 4210 TITLE 1-PART A, IMP BASIC PROG						
511 PART A. BASIC PROGRAM	$2,603,134.82	$1,785,874.97	$817,259.85	$0.00	68.60%	$874,865.13
515 SCHOOL SUPPORT	$55,225.94	$133,471.78	$0.00	$78,245.84	241.68%	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$363,288.31	$0.00	$363,288.31	N/A	$0.00
Source - 4210 TITLE 1-PART A, IMP BASIC PROG Total	**$2,658,360.76**	**$2,282,635.06**	**$817,259.85**	**$441,534.15**	**85.87%**	**$874,865.13**
Source - 4230 EDUCATION OF MIGRATORY CHILDREN						
532 PART D,SUBPART2, LOCAL DELIN	$18,399.11	$0.00	$18,399.11	$0.00	0.00%	$0.00
Source - 4230 EDUCATION OF MIGRATORY CHILDREN Total	**$18,399.11**	**$0.00**	**$18,399.11**	**$0.00**	**0.00%**	**$0.00**
Source - 4240 PART D, NEGLECTED & DELINQUENT						
532 PART D,SUBPART2, LOCAL DELIN	$0.00	$18,399.11	$0.00	$18,399.11	N/A	$0.00
Source - 4240 PART D, NEGLECTED & DELINQUENT Total	**$0.00**	**$18,399.11**	**$0.00**	**$18,399.11**	**N/A**	**$0.00**
Source - 4271 PART 1, TEACHER-PRINC TNG REC						
541 SUPPORTING EFFECTIVE INSTRUCTION	$461,246.67	$252,124.33	$209,122.34	$0.00	54.66%	$34,328.78
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$40,621.54	$0.00	$40,621.54	N/A	$0.00
Source - 4271 PART 1, TEACHER-PRINC TNG REC Total	**$461,246.67**	**$292,745.87**	**$209,122.34**	**$40,621.54**	**63.47%**	**$34,328.78**
Source - 4281 PART A, ENG LANG ACQ,ENH&ACH						
541 SUPPORTING EFFECTIVE INSTRUCTION	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
571 T-III PART A, IMMIGRANT ED	$13,226.76	$6,927.25	$6,299.51	$0.00	52.37%	$0.00
572 T-III PART A, ENG LANG ACQ	$181,373.59	$160,434.67	$20,938.92	$0.00	88.46%	$35,602.66
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$8,438.62	$0.00	$8,438.62	N/A	$0.00
Source - 4281 PART A, ENG LANG ACQ,ENH&ACH Total	**$194,600.35**	**$175,800.54**	**$27,238.43**	**$8,438.62**	**90.34%**	**$35,602.66**
Source - 4310 INDIV.WITH DISABIL.IDEA--B						

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
615 Engage/Develop Monitoring Mini Grant	$5,226.00	$5,776.00	$0.00	$550.00	110.52%	$0.00
618 Secondary Transition Services	$11,023.39	$355.49	$10,667.90	$0.00	3.22%	$123.92
621 FLOW THRU PL105-17 IDEA-PT.B	$1,791,474.60	$1,628,294.34	$163,180.26	$0.00	90.89%	$395,723.30
625 FLOW THRU IDEA-PT.B PRIVATE	$0.00	$13,738.90	$0.00	$13,738.90	N/A	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$159,518.07	$0.00	$159,518.07	N/A	$0.00
Source - 4310 INDIV.WITH DISABIL.IDEA--B Total	**$1,807,723.99**	**$1,807,682.80**	**$173,848.16**	**$173,806.97**	**100.00%**	**$395,847.22**
Source - 4340 PRESCHOOL AGES 3-5 IDEA-B						
641 PRESCHOOL,AGES 3-5 IDEA-PART B	$43,599.85	$46,634.13	$0.00	$3,034.28	106.96%	$0.00
642 FLOW THRU,AGES 3-5 PRIVATE	$0.00	$331.17	$0.00	$331.17	N/A	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$3,303.37	$0.00	$3,303.37	N/A	$0.00
Source - 4340 PRESCHOOL AGES 3-5 IDEA-B Total	**$43,599.85**	**$50,268.67**	**$0.00**	**$6,668.82**	**115.30%**	**$0.00**
Source - 4442 TITLE IV, STUDENT SUP/ACADEMIC						
552 Part A Student Support & Academic Formula Grant	$233,152.32	$113,257.77	$119,894.55	$0.00	48.58%	$19,804.14
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$10,893.85	$0.00	$10,893.85	N/A	$0.00
Source - 4442 TITLE IV, STUDENT SUP/ACADEMIC Total	**$233,152.32**	**$124,151.62**	**$119,894.55**	**$10,893.85**	**53.25%**	**$19,804.14**
Source - 4460 TITLE V-PROM PARENTAL CHOICE						
587 SUBPART 2, RURAL & LOW INCO	$262,069.19	$0.00	$262,069.19	$0.00	0.00%	$0.00
Source - 4460 TITLE V-PROM PARENTAL CHOICE Total	**$262,069.19**	**$0.00**	**$262,069.19**	**$0.00**	**0.00%**	**$0.00**
Source - 4470 TITLE VI-SUPART 2						
587 SUBPART 2, RURAL & LOW INCO	$0.00	$94,098.22	$0.00	$94,098.22	N/A	$6,869.94
Source - 4470 TITLE VI-SUPART 2 Total	**$0.00**	**$94,098.22**	**$0.00**	**$94,098.22**	**N/A**	**$6,869.94**
Source - 4611 TITLE II, P.L. 105-220						
731 ADULT ED & LITERACY	$109,638.22	$88,283.48	$21,354.74	$0.00	80.52%	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$5,322.49	$0.00	$5,322.49	N/A	$0.00
Source - 4611 TITLE II, P.L. 105-220 Total	**$109,638.22**	**$93,605.97**	**$21,354.74**	**$5,322.49**	**85.38%**	**$0.00**
Source - 4617 .						
456 JOB TRAINING-OJT	$0.00	$25,372.97	$0.00	$25,372.97	N/A	$8,964.64
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$2,610.00	$0.00	$2,610.00	N/A	$0.00
Source - 4617 . Total	**$0.00**	**$27,982.97**	**$0.00**	**$27,982.97**	**N/A**	**$8,964.64**
Source - 4689 OTHER MISC. SOURCES OF FED.REV						
714 OK Course Access, ARTech Grant	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
717 ESSER HIGH DOSAGE LITERACY TUTORING	$0.00	$5,092.59	$0.00	$5,092.59	N/A	$5,092.59
722 AMERICAN RESCUE PLAN - COUNSELOR GRANT	$0.00	$51,000.00	$0.00	$51,000.00	N/A	$0.00
725 ARP - OK Paid Student Teacher	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
726 ARP ESSER III	$0.00	$1,292.00	$0.00	$1,292.00	N/A	$0.00
795 AMERICAN RESCUE PLAN	$93,374.15	$93,374.15	$0.00	$0.00	100.00%	$0.00
797 AMERICAN RESCUE PLAN - HOMELESS II	$0.00	$10,030.08	$0.00	$10,030.08	N/A	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$135,218.68	$0.00	$135,218.68	N/A	$0.00
Source - 4689 OTHER MISC. SOURCES OF FED.REV Total	**$93,374.15**	**$296,007.50**	**$0.00**	**$202,633.35**	**317.01%**	**$5,092.59**
Source - 4710 LUNCHES						
763 Lunches-CFDA 10.555	$0.00	$3,144,622.68	$0.00	$3,144,622.68	N/A	$208,962.65
Source - 4710 LUNCHES Total	**$0.00**	**$3,144,622.68**	**$0.00**	**$3,144,622.68**	**N/A**	**$208,962.65**
Source - 4720 BREAKFASTS						

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
763 Lunches-CFDA 10.555	$2,992,874.86	$0.00	$2,992,874.86	$0.00	0.00%	$0.00
764 Breakfasts-CFDA 10.553	$706,540.57	$861,764.07	$0.00	$155,223.50	121.97%	$55,551.34
Source - 4720 BREAKFASTS Total	**$3,699,415.43**	**$861,764.07**	**$2,992,874.86**	**$155,223.50**	**23.29%**	**$55,551.34**
Source - 4740 SUMMER FOOD SERV.PROG.						
766 SUMMER FOOD SERV.PROG.	$0.00	$36,202.71	$0.00	$36,202.71	N/A	$0.00
Source - 4740 SUMMER FOOD SERV.PROG. Total	**$0.00**	**$36,202.71**	**$0.00**	**$36,202.71**	**N/A**	**$0.00**
Source - 4780 NATL SCHL LUNCH PROG EQUIP						
791 NATL SCHL LUNCH EQUIP ASST	$0.00	$12,826.50	$0.00	$12,826.50	N/A	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 4780 NATL SCHL LUNCH PROG EQUIP Total	**$0.00**	**$12,826.50**	**$0.00**	**$12,826.50**	**N/A**	**$0.00**
Source - 4817 ARP ESSER III						
797 AMERICAN RESCUE PLAN - HOMELESS II	$36,765.22	$0.00	$36,765.22	$0.00	0.00%	$0.00
Source - 4817 ARP ESSER III Total	**$36,765.22**	**$0.00**	**$36,765.22**	**$0.00**	**0.00%**	**$0.00**
Source - 4821 EQUALIZATION (CARL PERKINS)						
421 CARL PERKINS SECONDARY	$0.00	$86,114.21	$0.00	$86,114.21	N/A	$0.00
424 CARL PERKINS SUPPLEMENT	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
799 PRIOR YEARS' REIMBURSEMENT (Don't use 4710-4790)	$0.00	$61,671.59	$0.00	$61,671.59	N/A	$0.00
Source - 4821 EQUALIZATION (CARL PERKINS) Total	**$0.00**	**$147,785.80**	**$0.00**	**$147,785.80**	**N/A**	**$0.00**
Series - 4000 Total	**$9,618,345.26**	**$9,594,328.65**	**$4,678,826.45**	**$4,654,809.84**	**99.75%**	**$1,665,616.32**
Series - 5000						
Source - 5150 CHILD NUTRITION PROGRAM						
000 NON-CATEGORICAL EXP	$488,288.74	$0.00	$488,288.74	$0.00	0.00%	$0.00
070 CNP Local Funding/Catering	$0.00	$453,571.20	$0.00	$453,571.20	N/A	$227,283.79
700 Series-other SDE or Tech	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 5150 CHILD NUTRITION PROGRAM Total	**$488,288.74**	**$453,571.20**	**$488,288.74**	**$453,571.20**	**92.89%**	**$227,283.79**
Source - 5160 ACTIVITY FUND REIMBURSEMENT						
000 NON-CATEGORICAL EXP	$0.00	$78,299.46	$0.00	$78,299.46	N/A	$32,081.87
014 EPS C.A.R.E.S.	$0.00	$104,249.05	$0.00	$104,249.05	N/A	$49,831.05
032 Transportation Dept	$0.00	$24,514.00	$0.00	$24,514.00	N/A	$1,289.00
072 Activity Fund Reimbursement	$0.00	$6,793.81	$0.00	$6,793.81	N/A	$6,381.24
120 Coolidge Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
196 David Allen Summer Camps-Reimb	$0.00	$23,206.00	$0.00	$23,206.00	N/A	$23,206.00
Source - 5160 ACTIVITY FUND REIMBURSEMENT Total	**$0.00**	**$237,062.32**	**$0.00**	**$237,062.32**	**N/A**	**$112,789.16**
Source - 5600 CORRECTING ENTRY						
000 NON-CATEGORICAL EXP	$0.00	$40,414.03	$0.00	$40,414.03	N/A	$7,425.50
032 Transportation Dept	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
070 CNP Local Funding/Catering	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
120 Coolidge Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
165 Monroe Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
181 Longfellow Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
183 Sec Schl Instrument Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
190 EPS Athletic Allocation	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 5600 CORRECTING ENTRY Total	**$0.00**	**$40,414.03**	**$0.00**	**$40,414.03**	**N/A**	**$7,425.50**
Series - 5000 Total	**$488,288.74**	**$731,047.55**	**$488,288.74**	**$731,047.55**	**149.72%**	**$347,498.45**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$25,047,880.76	$23,531,129.40	$1,516,751.36	$0.00	93.94%	$0.00
001 Federal Programs OT	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
070 CNP Local Funding/Catering	$0.00	$591,314.36	$0.00	$591,314.36	N/A	$0.00

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
319 ADULT ED MATCHING	$0.00	($250.00)	$250.00	$0.00	N/A	$0.00
367 STRONG READERS	$0.00	$103,929.97	$0.00	$103,929.97	N/A	$0.00
376 School Resource Officer Program	$0.00	($7,770.43)	$7,770.43	$0.00	N/A	$0.00
377 Maternity Leave	$0.00	($65,179.95)	$65,179.95	$0.00	N/A	$0.00
412 VOC.PROG.INCENTIVE ASST.GRANTS	$0.00	$3,107.10	$0.00	$3,107.10	N/A	$0.00
763 Lunches-CFDA 10.555	$0.00	$900,827.81	$0.00	$900,827.81	N/A	$0.00
791 NATL SCHL LUNCH EQUIP ASST	$0.00	($9,227.50)	$9,227.50	$0.00	N/A	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$25,047,880.76**	**$25,047,880.76**	**$1,599,179.24**	**$1,599,179.24**	**100.00%**	**$0.00**
Source - 6140 ESTOPPED WARRANTS BY STATUTES						
000 NON-CATEGORICAL EXP	$0.00	$1,210.57	$0.00	$1,210.57	N/A	$1,210.57
Source - 6140 ESTOPPED WARRANTS BY STATUTES Total	**$0.00**	**$1,210.57**	**$0.00**	**$1,210.57**	**N/A**	**$1,210.57**
Series - 6000 Total	**$25,047,880.76**	**$25,049,091.33**	**$1,599,179.24**	**$1,600,389.81**	**100.00%**	**$1,210.57**
Fund - 11 GENERAL FUND Total	**$98,026,186.13**	**$103,135,858.49**	**$7,065,131.51**	**$12,174,803.87**	**105.21%**	**$7,335,278.17**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 11 GENERAL FUND						
Function - 1000 INSTRUCTION						
100 Personnel Services-Salaries	53,046,817.98	25,746,215.69	25,746,215.69	0.00	27,300,602.29	48.53%
200 Personnel Serv.-Employee Benef.	6,594,495.44	10,292,959.18	10,292,959.18	0.00	-3,698,463.74	156.08%
300 Purchased Profess.& Tech.Serv.	691,250.00	521,865.37	521,865.37	0.00	169,384.63	75.50%
400 Purchased Property Services	22,500.00	34,075.99	24,883.40	9,192.59	-11,575.99	151.45%
500 Other Purchased Services	0.00	131,332.44	131,170.00	162.44	-131,332.44	100.00%
600 Supplies & Materials	4,228,498.04	3,584,737.21	3,176,228.18	408,509.03	643,760.83	84.78%
700 Property	312,041.00	64,294.83	64,294.83	0.00	247,746.17	20.60%
800 Other Objects	2,240.00	36,657.48	36,657.48	0.00	-34,417.48	1,636.49%
Total Function - 1000 INSTRUCTION	**$64,897,842.46**	**$40,412,138.19**	**$39,994,274.13**	**$417,864.06**	**$24,485,704.27**	**62.27 %**
Function - 2100 Supp Svcs-Students						
100 Personnel Services-Salaries	4,112,886.53	4,069,211.61	4,069,211.61	0.00	43,674.92	98.94%
200 Personnel Serv.-Employee Benef.	1,043,201.23	1,486,222.57	1,486,222.57	0.00	-443,021.34	142.47%
300 Purchased Profess.& Tech.Serv.	736,596.70	697,239.34	697,239.34	0.00	39,357.36	94.66%
400 Purchased Property Services	17,000.00	17,574.88	17,574.88	0.00	-574.88	103.38%
500 Other Purchased Services	4,449.86	13,273.67	13,023.67	250.00	-8,823.81	298.29%
600 Supplies & Materials	692,874.87	124,190.65	124,027.22	163.43	568,684.22	17.92%
800 Other Objects	12,000.00	12,140.00	12,139.37	0.63	-140.00	101.17%
Total Function - 2100 Supp Svcs-Students	**$6,619,009.19**	**$6,419,852.72**	**$6,419,438.66**	**$414.06**	**$199,156.47**	**96.99 %**
Function - 2200 Supp Svc-Instr Stf						
100 Personnel Services-Salaries	2,424,617.11	2,496,713.89	2,496,713.89	0.00	-72,096.78	102.97%
200 Personnel Serv.-Employee Benef.	626,804.96	927,733.65	927,733.65	0.00	-300,928.69	148.01%
300 Purchased Profess.& Tech.Serv.	336,040.00	219,347.67	219,126.44	221.23	116,692.33	65.27%
400 Purchased Property Services	20,000.00	2,345.85	2,345.85	0.00	17,654.15	11.73%
500 Other Purchased Services	217,477.40	253,166.52	223,576.76	29,589.76	-35,689.12	116.41%
600 Supplies & Materials	1,838,051.54	779,820.20	624,280.74	155,539.46	1,058,231.34	42.43%
700 Property	0.00	10,721.58	10,721.58	0.00	-10,721.58	100.00%
800 Other Objects	113,642.70	115,604.09	61,486.15	54,117.94	-1,961.39	101.73%
Total Function - 2200 Supp Svc-Instr Stf	**$5,576,633.71**	**$4,805,453.45**	**$4,565,985.06**	**$239,468.39**	**$771,180.26**	**86.17 %**
Function - 2300 Support Serv.-General Adm.						
100 Personnel Services-Salaries	372,896.79	361,619.36	361,619.36	0.00	11,277.43	96.98%
200 Personnel Serv.-Employee Benef.	96,783.21	120,577.77	120,577.77	0.00	-23,794.56	124.59%
300 Purchased Profess.& Tech.Serv.	131,000.00	117,939.54	92,519.58	25,419.96	13,060.46	90.03%
400 Purchased Property Services	1,000.00	66.00	66.00	0.00	934.00	6.60%
500 Other Purchased Services	9,025.00	7,472.19	3,951.18	3,521.01	1,552.81	82.79%
600 Supplies & Materials	29,295.00	2,534.17	2,534.17	0.00	26,760.83	8.65%
800 Other Objects	31,000.00	8,043.70	8,043.70	0.00	22,956.30	25.95%
Total Function - 2300 Support Serv.-General Adm.	**$671,000.00**	**$618,252.73**	**$589,311.76**	**$28,940.97**	**$52,747.27**	**92.14 %**
Function - 2400 Support Serv.-School Admin.						
100 Personnel Services-Salaries	3,082,250.00	3,104,654.58	3,104,654.58	0.00	-22,404.58	100.73%
200 Personnel Serv.-Employee Benef.	692,200.00	1,045,407.45	1,045,407.45	0.00	-353,207.45	151.03%

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 11 GENERAL FUND						
Function - 2400 Support Serv.-School Admin.						
400 Purchased Property Services	1,550.00	0.00	0.00	0.00	1,550.00	0.00%
500 Other Purchased Services	0.00	6,908.00	6,908.00	0.00	-6,908.00	100.00%
600 Supplies & Materials	349,000.00	22,440.09	20,934.09	1,506.00	326,559.91	6.43%
800 Other Objects	0.00	250.00	250.00	0.00	-250.00	100.00%
Total Function - 2400 Support Serv.-School Admin.	**$4,125,000.00**	**$4,179,660.12**	**$4,178,154.12**	**$1,506.00**	**($54,660.12)**	**101.33 %**
Function - 2500 Support Services--Business						
100 Personnel Services-Salaries	768,987.56	951,135.01	951,135.01	0.00	-182,147.45	123.69%
200 Personnel Serv.-Employee Benef.	193,123.00	357,272.42	357,272.42	0.00	-164,149.42	185.00%
300 Purchased Profess.& Tech.Serv.	64,700.00	71,636.87	65,828.52	5,808.35	-6,936.87	110.72%
400 Purchased Property Services	155,000.00	155,129.23	137,265.53	17,863.70	-129.23	100.08%
500 Other Purchased Services	193,949.46	160,500.84	136,212.80	24,288.04	33,448.62	82.75%
600 Supplies & Materials	610,203.99	359,440.22	318,239.02	41,201.20	250,763.77	58.90%
700 Property	39,000.00	55,972.80	55,972.80	0.00	-16,972.80	143.52%
800 Other Objects	328,647.30	279,999.85	263,996.95	16,002.90	48,647.45	85.20%
Total Function - 2500 Support Services--Business	**$2,353,611.31**	**$2,391,087.24**	**$2,285,923.05**	**$105,164.19**	**($37,475.93)**	**101.59 %**
Function - 2600 Operation & Mainten.of Plant						
100 Personnel Services-Salaries	2,392,744.66	2,443,735.31	2,443,735.31	0.00	-50,990.65	102.13%
200 Personnel Serv.-Employee Benef.	492,714.13	1,117,553.28	1,111,997.01	5,556.27	-624,839.15	226.82%
300 Purchased Profess.& Tech.Serv.	50,500.00	55,133.20	51,053.61	4,079.59	-4,633.20	109.17%
400 Purchased Property Services	1,939,591.34	2,573,384.92	1,929,877.97	643,506.95	-633,793.58	132.68%
500 Other Purchased Services	913,750.00	891,516.06	891,433.60	82.46	22,233.94	97.57%
600 Supplies & Materials	3,163,199.87	1,852,079.31	1,662,905.64	189,173.67	1,311,120.56	58.55%
700 Property	13,000.00	203,403.59	92,510.59	110,893.00	-190,403.59	1,564.64%
800 Other Objects	4,500.00	7,316.34	6,814.90	501.44	-2,816.34	162.59%
Total Function - 2600 Operation & Mainten.of Plant	**$8,970,000.00**	**$9,144,122.01**	**$8,190,328.63**	**$953,793.38**	**($174,122.01)**	**101.94 %**
Function - 2700 Student Transportation Serv.						
100 Personnel Services-Salaries	1,126,175.00	1,176,430.11	1,176,430.11	0.00	-50,255.11	104.46%
200 Personnel Serv.-Employee Benef.	219,725.00	590,423.52	590,423.52	0.00	-370,698.52	268.71%
400 Purchased Property Services	83,500.00	70,630.37	65,201.47	5,428.90	12,869.63	84.59%
500 Other Purchased Services	59,269.63	61,142.14	60,088.55	1,053.59	-1,872.51	103.16%
600 Supplies & Materials	1,207,789.37	391,255.57	316,089.68	75,165.89	816,533.80	32.39%
700 Property	19,035.00	36,420.00	36,420.00	0.00	-17,385.00	191.33%
800 Other Objects	4,500.00	3,750.29	2,734.38	1,015.91	749.71	83.34%
Total Function - 2700 Student Transportation Serv.	**$2,719,994.00**	**$2,330,052.00**	**$2,247,387.71**	**$82,664.29**	**$389,942.00**	**85.66 %**
Function - 3100 Child Nutrition Programs Oper.						
100 Personnel Services-Salaries	0.00	2,016,188.91	2,016,188.91	0.00	-2,016,188.91	100.00%
200 Personnel Serv.-Employee Benef.	0.00	983,563.47	983,563.47	0.00	-983,563.47	100.00%
300 Purchased Profess.& Tech.Serv.	0.00	1,800.00	1,800.00	0.00	-1,800.00	100.00%

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 11 GENERAL FUND						
Function - 3100 Child Nutrition Programs Oper.						
400 Purchased Property Services	0.00	278,088.25	166,427.33	111,660.92	-278,088.25	100.00%
500 Other Purchased Services	44,008.16	60,912.04	60,912.04	0.00	-16,903.88	138.41%
600 Supplies & Materials	0.00	2,679,947.90	2,655,768.89	24,179.01	-2,679,947.90	100.00%
700 Property	0.00	87,081.50	45,010.78	42,070.72	-87,081.50	100.00%
800 Other Objects	0.00	15,588.51	15,588.51	0.00	-15,588.51	100.00%
Total Function - 3100 Child Nutrition Programs Oper.	**$44,008.16**	**$6,123,170.58**	**$5,945,259.93**	**$177,910.65**	**($6,079,162.42)**	**13,913.72 %**
Function - 3300 COMMUNITY SERVICES OPER						
100 Personnel Services-Salaries	1,347,059.46	741,077.23	741,077.23	0.00	605,982.23	55.01%
200 Personnel Serv.-Employee Benef.	0.00	294,791.78	294,791.78	0.00	-294,791.78	100.00%
300 Purchased Profess.& Tech.Serv.	0.00	3,576.00	3,576.00	0.00	-3,576.00	100.00%
400 Purchased Property Services	0.00	6,627.05	5,517.05	1,110.00	-6,627.05	100.00%
600 Supplies & Materials	0.00	202,795.03	194,647.48	8,147.55	-202,795.03	100.00%
800 Other Objects	0.00	7,278.50	3,646.51	3,631.99	-7,278.50	100.00%
Total Function - 3300 COMMUNITY SERVICES OPER	**$1,347,059.46**	**$1,256,145.59**	**$1,243,256.05**	**$12,889.54**	**$90,913.87**	**93.25 %**
Function - 4300 SITE IMPROVEMENT SERVICES						
400 Purchased Property Services	3,000.00	0.00	0.00	0.00	3,000.00	0.00%
800 Other Objects	1,500.00	0.00	0.00	0.00	1,500.00	0.00%
Total Function - 4300 SITE IMPROVEMENT SERVICES	**$4,500.00**	**$0.00**	**$0.00**	**$0.00**	**$4,500.00**	**0.00 %**
Function - 4400 ARCHITECTURE & ENGINEER.SERV.						
400 Purchased Property Services	1,400.00	1,400.00	1,400.00	0.00	0.00	100.00%
Total Function - 4400 ARCHITECTURE & ENGINEER.SERV.	**$1,400.00**	**$1,400.00**	**$1,400.00**	**$0.00**	**$0.00**	**100.00 %**
Function - 4700 BUILDING IMPROVEMENTS SERV.						
400 Purchased Property Services	0.00	55,774.00	0.00	55,774.00	-55,774.00	100.00%
700 Property	58,600.00	57,250.00	57,250.00	0.00	1,350.00	97.70%
Total Function - 4700 BUILDING IMPROVEMENTS SERV.	**$58,600.00**	**$113,024.00**	**$57,250.00**	**$55,774.00**	**($54,424.00)**	**192.87 %**
Function - 5200 FUND TRANSFERS/REIMBURSEMENTS						
900 Other Uses of Funds	0.00	10,567.73	10,567.73	0.00	-10,567.73	100.00%
Total Function - 5200 FUND TRANSFERS/REIMBURSEMENTS	**$0.00**	**$10,567.73**	**$10,567.73**	**$0.00**	**($10,567.73)**	**100.00 %**
Function - 5300 CLEARING ACCOUNT						
200 Personnel Serv.-Employee Benef.	419,659.00	0.00	0.00	0.00	419,659.00	0.00%
Total Function - 5300 CLEARING ACCOUNT	**$419,659.00**	**$0.00**	**$0.00**	**$0.00**	**$419,659.00**	**0.00 %**
Function - 5400 INDIR.COST ENTITL.(FED.& CNP)						
100 Personnel Services-Salaries	28,089.37	0.00	0.00	0.00	28,089.37	0.00%
900 Other Uses of Funds	106,119.52	0.00	0.00	0.00	106,119.52	0.00%
Total Function - 5400 INDIR.COST ENTITL.(FED.& CNP)	**$134,208.89**	**$0.00**	**$0.00**	**$0.00**	**$134,208.89**	**0.00 %**
Function - 5500 PRIVATE, NONPROFIT SCHOOLS						

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 11 GENERAL FUND						
Function - 5500 PRIVATE, NONPROFIT SCHOOLS						
100 Personnel Services-Salaries	10,393.96	10,393.96	10,393.96	0.00	0.00	100.00%
200 Personnel Serv.-Employee Benef.	3,020.31	3,061.55	3,061.55	0.00	-41.24	101.37%
300 Purchased Profess.& Tech.Serv.	323.35	4,208.35	323.35	3,885.00	-3,885.00	1,301.48%
500 Other Purchased Services	23,500.00	7,160.05	1,649.11	5,510.94	16,339.95	30.47%
600 Supplies & Materials	35,478.43	20,286.60	20,253.60	33.00	15,191.83	57.18%
800 Other Objects	9,648.06	11,821.20	8,132.20	3,689.00	-2,173.14	122.52%
Total Function - 5500 PRIVATE, NONPROFIT SCHOOLS	**$82,364.11**	**$56,931.71**	**$43,813.77**	**$13,117.94**	**$25,432.40**	**69.12 %**
Function - 5600 CORRECTING ENTRY						
900 Other Uses of Funds	0.00	45,222.88	45,222.88	0.00	-45,222.88	100.00%
Total Function - 5600 CORRECTING ENTRY	**$0.00**	**$45,222.88**	**$45,222.88**	**$0.00**	**($45,222.88)**	**100.00 %**
Function - 8100 RESTRICTED FUNDS						
800 Other Objects	1,295.84	1,295.84	1,295.84	0.00	0.00	100.00%
Total Function - 8100 RESTRICTED FUNDS	**$1,295.84**	**$1,295.84**	**$1,295.84**	**$0.00**	**$0.00**	**100.00 %**
Total Fund - 11 GENERAL FUND	**$98,026,186.13**	**$77,908,376.79**	**$75,818,869.32**	**$2,089,507.47**	**$20,117,809.34**	**79.48 %**
Total 2024-2025	**$98,026,186.13**	**$77,908,376.79**	**$75,818,869.32**	**$2,089,507.47**	**$20,117,809.34**	**79.48 %**
Report Total	**$98,026,186.13**	**$77,908,376.79**	**$75,818,869.32**	**$2,089,507.47**	**$20,117,809.34**	**79.48 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 21 BUILDING FUND						
Series - 1000						
Source - 1110 AD VALOREM TAX LEVY (CURRENT)						
000 NON-CATEGORICAL EXP	$1,723,527.65	$1,833,573.02	$0.00	$110,045.37	106.38%	$21,506.97
Source - 1110 AD VALOREM TAX LEVY (CURRENT) Total	**$1,723,527.65**	**$1,833,573.02**	**$0.00**	**$110,045.37**	**106.38%**	**$21,506.97**
Source - 1120 AD VALOREM TAX LEVY (PR.YRS)						
000 NON-CATEGORICAL EXP	$0.00	$56,284.77	$0.00	$56,284.77	N/A	$3,559.05
Source - 1120 AD VALOREM TAX LEVY (PR.YRS) Total	**$0.00**	**$56,284.77**	**$0.00**	**$56,284.77**	**N/A**	**$3,559.05**
Source - 1130 REVENUE IN LIEU OF TAXES						
000 NON-CATEGORICAL EXP	$0.00	$4,369.20	$0.00	$4,369.20	N/A	$0.00
Source - 1130 REVENUE IN LIEU OF TAXES Total	**$0.00**	**$4,369.20**	**$0.00**	**$4,369.20**	**N/A**	**$0.00**
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$0.00	$4,280.51	$0.00	$4,280.51	N/A	$0.00
Source - 1310 INTEREST EARNINGS Total	**$0.00**	**$4,280.51**	**$0.00**	**$4,280.51**	**N/A**	**$0.00**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$86,361.74	$0.00	$86,361.74	N/A	$8,582.42
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$86,361.74**	**$0.00**	**$86,361.74**	**N/A**	**$8,582.42**
Source - 1610 CONTRIBUTIONS/DONATIONS-PRIV.						
000 NON-CATEGORICAL EXP	$0.00	$195,801.00	$0.00	$195,801.00	N/A	$0.00
Source - 1610 CONTRIBUTIONS/DONATIONS-PRIV. Total	**$0.00**	**$195,801.00**	**$0.00**	**$195,801.00**	**N/A**	**$0.00**
Source - 1690 MISC. REV. FROM DIST.SOURCE						
000 NON-CATEGORICAL EXP	$0.00	$109,090.14	$0.00	$109,090.14	N/A	$0.00
275 Eisenhower Elementary Okla Dept of Commerce	$0.00	$250,000.00	$0.00	$250,000.00	N/A	$250,000.00
Source - 1690 MISC. REV. FROM DIST.SOURCE Total	**$0.00**	**$359,090.14**	**$0.00**	**$359,090.14**	**N/A**	**$250,000.00**
Series - 1000 Total	**$1,723,527.65**	**$2,539,760.38**	**$0.00**	**$816,232.73**	**147.36%**	**$283,648.44**
Series - 3000						
Source - 3435 Redbud School Funding Act						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
318 REDBUD SCHOOL FUNDING ACT	$0.00	$1,957,743.92	$0.00	$1,957,743.92	N/A	$822,252.44
Source - 3435 Redbud School Funding Act Total	**$0.00**	**$1,957,743.92**	**$0.00**	**$1,957,743.92**	**N/A**	**$822,252.44**
Source - 3620 STATE LAND REIMBURSEMENT						
000 NON-CATEGORICAL EXP	$0.00	$2.78	$0.00	$2.78	N/A	$0.00
Source - 3620 STATE LAND REIMBURSEMENT Total	**$0.00**	**$2.78**	**$0.00**	**$2.78**	**N/A**	**$0.00**
Source - 3690 MISC. SOURCES OF STATE REVENUE						
275 Eisenhower Elementary Okla Dept of Commerce	$0.00	$500,000.00	$0.00	$500,000.00	N/A	$0.00
Source - 3690 MISC. SOURCES OF STATE REVENUE Total	**$0.00**	**$500,000.00**	**$0.00**	**$500,000.00**	**N/A**	**$0.00**
Series - 3000 Total	**$0.00**	**$2,457,746.70**	**$0.00**	**$2,457,746.70**	**N/A**	**$822,252.44**
Series - 4000						
Source - 4689 OTHER MISC. SOURCES OF FED.REV						
275 Eisenhower Elementary Okla Dept of Commerce	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
771 Reserved	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
772 Reserved	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
775 Eisenhower Elementary US Dept. of Defense	$0.00	$551,200.00	$0.00	$551,200.00	N/A	$0.00

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Source - 4689 OTHER MISC. SOURCES OF FED.REV Total	**$0.00**	**$551,200.00**	**$0.00**	**$551,200.00**	**N/A**	**$0.00**
Series - 4000 Total	**$0.00**	**$551,200.00**	**$0.00**	**$551,200.00**	**N/A**	**$0.00**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$3,066,316.00	$3,066,316.00	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$3,066,316.00**	**$3,066,316.00**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$3,066,316.00**	**$3,066,316.00**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 21 BUILDING FUND Total	**$4,789,843.65**	**$8,615,023.08**	**$0.00**	**$3,825,179.43**	**179.86%**	**$1,105,900.88**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 21 BUILDING FUND						
Function - 2200 Supp Svc-Instr Stf						
600 Supplies & Materials	0.00	24,168.47	24,168.47	0.00	-24,168.47	100.00%
Total Function - 2200 Supp Svc-Instr Stf	**$0.00**	**$24,168.47**	**$24,168.47**	**$0.00**	**($24,168.47)**	**100.00 %**
Function - 2500 Support Services--Business						
800 Other Objects	0.00	851.00	851.00	0.00	-851.00	100.00%
Total Function - 2500 Support Services--Business	**$0.00**	**$851.00**	**$851.00**	**$0.00**	**($851.00)**	**100.00 %**
Function - 2600 Operation & Mainten.of Plant						
400 Purchased Property Services	0.00	2,514,124.79	2,102,072.14	412,052.65	-2,514,124.79	100.00%
600 Supplies & Materials	3,290,422.12	133,387.79	127,123.76	6,264.03	3,157,034.33	4.05%
700 Property	0.00	77,150.00	77,150.00	0.00	-77,150.00	100.00%
Total Function - 2600 Operation & Mainten.of Plant	**$3,290,422.12**	**$2,724,662.58**	**$2,306,345.90**	**$418,316.68**	**$565,759.54**	**82.81 %**
Function - 4200 SITE ACQUISITION SERVICES						
700 Property	0.00	98,622.10	98,622.10	0.00	-98,622.10	100.00%
Total Function - 4200 SITE ACQUISITION SERVICES	**$0.00**	**$98,622.10**	**$98,622.10**	**$0.00**	**($98,622.10)**	**100.00 %**
Function - 4300 SITE IMPROVEMENT SERVICES						
700 Property	0.00	34,729.00	34,729.00	0.00	-34,729.00	100.00%
Total Function - 4300 SITE IMPROVEMENT SERVICES	**$0.00**	**$34,729.00**	**$34,729.00**	**$0.00**	**($34,729.00)**	**100.00 %**
Function - 4400 ARCHITECTURE & ENGINEER.SERV.						
300 Purchased Profess.& Tech.Serv.	1,301,200.00	674,359.00	635,000.00	39,359.00	626,841.00	51.83%
Total Function - 4400 ARCHITECTURE & ENGINEER.SERV.	**$1,301,200.00**	**$674,359.00**	**$635,000.00**	**$39,359.00**	**$626,841.00**	**51.83 %**
Function - 4600 BUILDING ACQUIS.& CONSTR.SERV.						
400 Purchased Property Services	0.00	14,766.78	14,766.78	0.00	-14,766.78	100.00%
700 Property	1,957,743.92	1,376,971.00	1,376,971.00	0.00	580,772.92	70.33%
Total Function - 4600 BUILDING ACQUIS.& CONSTR.SERV.	**$1,957,743.92**	**$1,391,737.78**	**$1,391,737.78**	**$0.00**	**$566,006.14**	**71.09 %**
Total Fund - 21 BUILDING FUND	**$6,549,366.04**	**$4,949,129.93**	**$4,491,454.25**	**$457,675.68**	**$1,600,236.11**	**75.57 %**
Total 2024-2025	**$6,549,366.04**	**$4,949,129.93**	**$4,491,454.25**	**$457,675.68**	**$1,600,236.11**	**75.57 %**
Report Total	**$6,549,366.04**	**$4,949,129.93**	**$4,491,454.25**	**$457,675.68**	**$1,600,236.11**	**75.57 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 25 MUN TAX LEVY FUND						
Series - 1000						
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$0.00	$68,243.11	$0.00	$68,243.11	N/A	$29,358.08
Source - 1310 INTEREST EARNINGS Total	**$0.00**	**$68,243.11**	**$0.00**	**$68,243.11**	**N/A**	**$29,358.08**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$12,895.31	$0.00	$12,895.31	N/A	$704.24
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$12,895.31**	**$0.00**	**$12,895.31**	**N/A**	**$704.24**
Series - 1000 Total	**$0.00**	**$81,138.42**	**$0.00**	**$81,138.42**	**N/A**	**$30,062.32**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$1,785,191.29	$1,785,191.29	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$1,785,191.29**	**$1,785,191.29**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$1,785,191.29**	**$1,785,191.29**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 25 MUN TAX LEVY FUND Total	**$1,785,191.29**	**$1,866,329.71**	**$0.00**	**$81,138.42**	**104.55%**	**$30,062.32**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 25 MUN TAX LEVY FUND						
Function - 2600 Operation & Mainten.of Plant						
400 Purchased Property Services	0.00	43,759.87	43,759.87	0.00	-43,759.87	100.00%
Total Function - 2600 Operation & Mainten.of Plant	**$0.00**	**$43,759.87**	**$43,759.87**	**$0.00**	**($43,759.87)**	**100.00 %**
Function - 4700 BUILDING IMPROVEMENTS SERV.						
400 Purchased Property Services	1,785,191.29	0.00	0.00	0.00	1,785,191.29	0.00%
Total Function - 4700 BUILDING IMPROVEMENTS SERV.	**$1,785,191.29**	**$0.00**	**$0.00**	**$0.00**	**$1,785,191.29**	**0.00 %**
Total Fund - 25 MUN TAX LEVY FUND	**$1,785,191.29**	**$43,759.87**	**$43,759.87**	**$0.00**	**$1,741,431.42**	**2.45 %**
Total 2024-2025	**$1,785,191.29**	**$43,759.87**	**$43,759.87**	**$0.00**	**$1,741,431.42**	**2.45 %**
Report Total	**$1,785,191.29**	**$43,759.87**	**$43,759.87**	**$0.00**	**$1,741,431.42**	**2.45 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 31 2016 Combined Purpose-Bldg						
Series - 1000						
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$0.00	$984.31	$0.00	$984.31	N/A	$0.00
Source - 1310 INTEREST EARNINGS Total	**$0.00**	**$984.31**	**$0.00**	**$984.31**	**N/A**	**$0.00**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$157.67	$0.00	$157.67	N/A	$0.50
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$157.67**	**$0.00**	**$157.67**	**N/A**	**$0.50**
Series - 1000 Total	**$0.00**	**$1,141.98**	**$0.00**	**$1,141.98**	**N/A**	**$0.50**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$56,461.49	$56,461.49	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$56,461.49**	**$56,461.49**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$56,461.49**	**$56,461.49**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 31 2016 Combined Purpose-Bldg Total	**$56,461.49**	**$57,603.47**	**$0.00**	**$1,141.98**	**102.02%**	**$0.50**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 31 2016 Combined Purpose-Bldg						
Function - 4700 BUILDING IMPROVEMENTS SERV.						
400 Purchased Property Services	56,461.49	0.00	0.00	0.00	56,461.49	0.00%
Total Function - 4700 BUILDING IMPROVEMENTS SERV.	**$56,461.49**	**$0.00**	**$0.00**	**$0.00**	**$56,461.49**	**0.00 %**
Total Fund - 31 2016 Combined Purpose -Bldg	**$56,461.49**	**$0.00**	**$0.00**	**$0.00**	**$56,461.49**	**0.00 %**
Total 2024-2025	**$56,461.49**	**$0.00**	**$0.00**	**$0.00**	**$56,461.49**	**0.00 %**
Report Total	**$56,461.49**	**$0.00**	**$0.00**	**$0.00**	**$56,461.49**	**0.00 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 34 TRANSPORTATION BOND FUND						
Series - 1000						
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$3,213.66	$0.00	$3,213.66	N/A	$590.53
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$3,213.66**	**$0.00**	**$3,213.66**	**N/A**	**$590.53**
Series - 1000 Total	**$0.00**	**$3,213.66**	**$0.00**	**$3,213.66**	**N/A**	**$590.53**
Series - 5000						
Source - 5112 BOND PROCEEDS						
000 NON-CATEGORICAL EXP	$0.00	$300,000.00	$0.00	$300,000.00	N/A	$0.00
Source - 5112 BOND PROCEEDS Total	**$0.00**	**$300,000.00**	**$0.00**	**$300,000.00**	**N/A**	**$0.00**
Series - 5000 Total	**$0.00**	**$300,000.00**	**$0.00**	**$300,000.00**	**N/A**	**$0.00**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$300,000.00	$300,000.00	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$300,000.00**	**$300,000.00**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$300,000.00**	**$300,000.00**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 34 TRANSPORTATION BOND FUND Total	**$300,000.00**	**$603,213.66**	**$0.00**	**$303,213.66**	**201.07%**	**$590.53**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 34 TRANSPORTATION BOND FUND						
Function - 2700 Student Transportation Serv.						
700 Property	601,639.50	513,000.00	300,000.00	213,000.00	88,639.50	85.27%
Total Function - 2700 Student Transportation Serv.	**$601,639.50**	**$513,000.00**	**$300,000.00**	**$213,000.00**	**$88,639.50**	**85.27 %**
Total Fund - 34 TRANSPORTATION BOND FUND	**$601,639.50**	**$513,000.00**	**$300,000.00**	**$213,000.00**	**$88,639.50**	**85.27 %**
Total 2024-2025	**$601,639.50**	**$513,000.00**	**$300,000.00**	**$213,000.00**	**$88,639.50**	**85.27 %**
Report Total	**$601,639.50**	**$513,000.00**	**$300,000.00**	**$213,000.00**	**$88,639.50**	**85.27 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 35 2024 ONE to ONE & SECURITY BOND FUND						
Series - 1000						
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$25,636.72	$0.00	$25,636.72	N/A	$0.00
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$25,636.72**	**$0.00**	**$25,636.72**	**N/A**	**$0.00**
Series - 1000 Total	**$0.00**	**$25,636.72**	**$0.00**	**$25,636.72**	**N/A**	**$0.00**
Series - 5000						
Source - 5112 BOND PROCEEDS						
000 NON-CATEGORICAL EXP	$0.00	$900,000.00	$0.00	$900,000.00	N/A	$0.00
Source - 5112 BOND PROCEEDS Total	**$0.00**	**$900,000.00**	**$0.00**	**$900,000.00**	**N/A**	**$0.00**
Series - 5000 Total	**$0.00**	**$900,000.00**	**$0.00**	**$900,000.00**	**N/A**	**$0.00**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$900,000.00	$900,000.00	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$900,000.00**	**$900,000.00**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$900,000.00**	**$900,000.00**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 35 2024 ONE to ONE & SECURITY BOND FUND Total	**$900,000.00**	**$1,825,636.72**	**$0.00**	**$925,636.72**	**202.85%**	**$0.00**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 35 2024 ONE to ONE & SECURITY BOND FUND						
Function - 1000 INSTRUCTION						
600 Supplies & Materials	700,000.00	700,000.00	700,000.00	0.00	0.00	100.00%
Total Function - 1000 INSTRUCTION	**$700,000.00**	**$700,000.00**	**$700,000.00**	**$0.00**	**$0.00**	**100.00 %**
Function - 2600 Operation & Mainten.of Plant						
400 Purchased Property Services	200,000.00	200,000.00	200,000.00	0.00	0.00	100.00%
Total Function - 2600 Operation & Mainten.of Plant	**$200,000.00**	**$200,000.00**	**$200,000.00**	**$0.00**	**$0.00**	**100.00 %**
Total Fund - 35 2024 ONE to ONE & SECURITY BOND FUND	**$900,000.00**	**$900,000.00**	**$900,000.00**	**$0.00**	**$0.00**	**100.00 %**
Total 2024-2025	**$900,000.00**	**$900,000.00**	**$900,000.00**	**$0.00**	**$0.00**	**100.00 %**
Report Total	**$900,000.00**	**$900,000.00**	**$900,000.00**	**$0.00**	**$0.00**	**100.00 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 38 2010 G.O. Rev-Lease Pmt Bond F						
Series - 1000						
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$0.00	$102,157.96	$0.00	$102,157.96	N/A	$9,614.16
Source - 1310 INTEREST EARNINGS Total	**$0.00**	**$102,157.96**	**$0.00**	**$102,157.96**	**N/A**	**$9,614.16**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$3,425.86	$0.00	$3,425.86	N/A	$1,674.55
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$3,425.86**	**$0.00**	**$3,425.86**	**N/A**	**$1,674.55**
Series - 1000 Total	**$0.00**	**$105,583.82**	**$0.00**	**$105,583.82**	**N/A**	**$11,288.71**
Series - 5000						
Source - 5112 BOND PROCEEDS						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 5112 BOND PROCEEDS Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 5000 Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$8,593,579.51	$8,593,579.51	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$8,593,579.51**	**$8,593,579.51**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$8,593,579.51**	**$8,593,579.51**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 38 2010 G.O. Rev-Lease Pmt Bond F Total	**$8,593,579.51**	**$8,699,163.33**	**$0.00**	**$105,583.82**	**101.23%**	**$11,288.71**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 38 2010 G.O. Rev-Lease Pmt Bond F						
Function - 4200 SITE ACQUISITION SERVICES						
700 Property	0.00	140,176.66	140,176.66	0.00	-140,176.66	100.00%
Total Function - 4200 SITE ACQUISITION SERVICES	**$0.00**	**$140,176.66**	**$140,176.66**	**$0.00**	**($140,176.66)**	**100.00 %**
Function - 4700 BUILDING IMPROVEMENTS SERV.						
700 Property	8,593,579.51	8,024,904.21	8,024,904.21	0.00	568,675.30	93.38%
Total Function - 4700 BUILDING IMPROVEMENTS SERV.	**$8,593,579.51**	**$8,024,904.21**	**$8,024,904.21**	**$0.00**	**$568,675.30**	**93.38 %**
Total Fund - 38 2010 G.O. Rev-Lease Pmt Bond F	**$8,593,579.51**	**$8,165,080.87**	**$8,165,080.87**	**$0.00**	**$428,498.64**	**95.01 %**
Total 2024-2025	**$8,593,579.51**	**$8,165,080.87**	**$8,165,080.87**	**$0.00**	**$428,498.64**	**95.01 %**
Report Total	**$8,593,579.51**	**$8,165,080.87**	**$8,165,080.87**	**$0.00**	**$428,498.64**	**95.01 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 39 2016 G.O. Rev-Lease Pmt Bond F						
Series - 1000						
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$0.00	$32,262.28	$0.00	$32,262.28	N/A	$6,961.97
Source - 1310 INTEREST EARNINGS Total	**$0.00**	**$32,262.28**	**$0.00**	**$32,262.28**	**N/A**	**$6,961.97**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$345.45	$0.00	$345.45	N/A	$0.00
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$345.45**	**$0.00**	**$345.45**	**N/A**	**$0.00**
Series - 1000 Total	**$0.00**	**$32,607.73**	**$0.00**	**$32,607.73**	**N/A**	**$6,961.97**
Series - 5000						
Source - 5112 BOND PROCEEDS						
000 NON-CATEGORICAL EXP	$0.00	$10,195,000.00	$0.00	$10,195,000.00	N/A	$0.00
Source - 5112 BOND PROCEEDS Total	**$0.00**	**$10,195,000.00**	**$0.00**	**$10,195,000.00**	**N/A**	**$0.00**
Series - 5000 Total	**$0.00**	**$10,195,000.00**	**$0.00**	**$10,195,000.00**	**N/A**	**$0.00**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$2,109,754.60	$2,109,754.60	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$2,109,754.60**	**$2,109,754.60**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$2,109,754.60**	**$2,109,754.60**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 39 2016 G.O. Rev-Lease Pmt Bond F Total	**$2,109,754.60**	**$12,337,362.33**	**$0.00**	**$10,227,607.73**	**584.78%**	**$6,961.97**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 39 2016 G.O. Rev-Lease Pmt Bond F						
Function - 4700 BUILDING IMPROVEMENTS SERV.						
700 Property	2,109,754.60	1,769,417.00	1,769,417.00	0.00	340,337.60	83.87%
Total Function - 4700 BUILDING IMPROVEMENTS SERV.	**$2,109,754.60**	**$1,769,417.00**	**$1,769,417.00**	**$0.00**	**$340,337.60**	**83.87 %**
Total Fund - 39 2016 G.O. Rev-Lease Pmt Bond F	**$2,109,754.60**	**$1,769,417.00**	**$1,769,417.00**	**$0.00**	**$340,337.60**	**83.87 %**
Total 2024-2025	**$2,109,754.60**	**$1,769,417.00**	**$1,769,417.00**	**$0.00**	**$340,337.60**	**83.87 %**
Report Total	**$2,109,754.60**	**$1,769,417.00**	**$1,769,417.00**	**$0.00**	**$340,337.60**	**83.87 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 41 SINKING FUND						
Series - 1000						
Source - 1110 AD VALOREM TAX LEVY (CURRENT)						
000 NON-CATEGORICAL EXP	$9,615,827.32	$9,365,699.94	$250,127.38	$0.00	97.40%	$114,554.13
Source - 1110 AD VALOREM TAX LEVY (CURRENT) Total	**$9,615,827.32**	**$9,365,699.94**	**$250,127.38**	**$0.00**	**97.40%**	**$114,554.13**
Source - 1120 AD VALOREM TAX LEVY (PR.YRS)						
000 NON-CATEGORICAL EXP	$0.00	$297,448.48	$0.00	$297,448.48	N/A	$19,287.50
Source - 1120 AD VALOREM TAX LEVY (PR.YRS) Total	**$0.00**	**$297,448.48**	**$0.00**	**$297,448.48**	**N/A**	**$19,287.50**
Source - 1130 REVENUE IN LIEU OF TAXES						
000 NON-CATEGORICAL EXP	$0.00	$24,921.83	$0.00	$24,921.83	N/A	$0.00
Source - 1130 REVENUE IN LIEU OF TAXES Total	**$0.00**	**$24,921.83**	**$0.00**	**$24,921.83**	**N/A**	**$0.00**
Source - 1310 INTEREST EARNINGS						
000 NON-CATEGORICAL EXP	$0.00	$114,802.20	$0.00	$114,802.20	N/A	$0.00
Source - 1310 INTEREST EARNINGS Total	**$0.00**	**$114,802.20**	**$0.00**	**$114,802.20**	**N/A**	**$0.00**
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$62,119.66	$0.00	$62,119.66	N/A	$378.15
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$62,119.66**	**$0.00**	**$62,119.66**	**N/A**	**$378.15**
Source - 1340 ACCRUED INTEREST ON BOND SALES						
000 NON-CATEGORICAL EXP	$0.00	$12,184.74	$0.00	$12,184.74	N/A	$0.00
Source - 1340 ACCRUED INTEREST ON BOND SALES Total	**$0.00**	**$12,184.74**	**$0.00**	**$12,184.74**	**N/A**	**$0.00**
Series - 1000 Total	**$9,615,827.32**	**$9,877,176.85**	**$250,127.38**	**$511,476.91**	**102.72%**	**$134,219.78**
Series - 3000						
Source - 3620 STATE LAND REIMBURSEMENT						
000 NON-CATEGORICAL EXP	$0.00	$14.82	$0.00	$14.82	N/A	$0.00
Source - 3620 STATE LAND REIMBURSEMENT Total	**$0.00**	**$14.82**	**$0.00**	**$14.82**	**N/A**	**$0.00**
Series - 3000 Total	**$0.00**	**$14.82**	**$0.00**	**$14.82**	**N/A**	**$0.00**
Series - 5000						
Source - 5112 BOND PROCEEDS						
000 NON-CATEGORICAL EXP	$0.00	$0.00	$0.00	$0.00	N/A	$0.00
Source - 5112 BOND PROCEEDS Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 5000 Total	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**N/A**	**$0.00**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$1,133,943.30	$1,133,943.30	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$1,133,943.30**	**$1,133,943.30**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$1,133,943.30**	**$1,133,943.30**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 41 SINKING FUND Total	**$10,749,770.62**	**$11,011,134.97**	**$250,127.38**	**$511,491.73**	**102.43%**	**$134,219.78**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 41 SINKING FUND						
Function - 5100 DEBT SERVICE						
800 Other Objects	10,701,142.50	10,701,142.50	10,701,142.50	0.00	0.00	100.00%
Total Function - 5100 DEBT SERVICE	**$10,701,142.50**	**$10,701,142.50**	**$10,701,142.50**	**$0.00**	**$0.00**	**100.00 %**
Total Fund - 41 SINKING FUND	**$10,701,142.50**	**$10,701,142.50**	**$10,701,142.50**	**$0.00**	**$0.00**	**100.00 %**
Total 2024-2025	**$10,701,142.50**	**$10,701,142.50**	**$10,701,142.50**	**$0.00**	**$0.00**	**100.00 %**
Report Total	**$10,701,142.50**	**$10,701,142.50**	**$10,701,142.50**	**$0.00**	**$0.00**	**100.00 %**

Enid Public Schools

Revenue Analysis

Options: Type of Revenue: Estimated, As Of Date: 6/30/2025

	Estimated Revenue	Revenue Collected	Revenue Receivable	Unappropriated Receipts	% Rev Collected	Current Month
Fund - 50 ENDOWMENT FUNDS						
Series - 1000						
Source - 1311 MONTHLY INTEREST						
000 NON-CATEGORICAL EXP	$0.00	$630.54	$0.00	$630.54	N/A	$18.99
Source - 1311 MONTHLY INTEREST Total	**$0.00**	**$630.54**	**$0.00**	**$630.54**	**N/A**	**$18.99**
Series - 1000 Total	**$0.00**	**$630.54**	**$0.00**	**$630.54**	**N/A**	**$18.99**
Series - 6000						
Source - 6110 CASH FORWARD-SURPLUS CASH FWD.						
000 NON-CATEGORICAL EXP	$445,922.96	$445,922.96	$0.00	$0.00	100.00%	$0.00
Source - 6110 CASH FORWARD-SURPLUS CASH FWD. Total	**$445,922.96**	**$445,922.96**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Series - 6000 Total	**$445,922.96**	**$445,922.96**	**$0.00**	**$0.00**	**100.00%**	**$0.00**
Fund - 50 ENDOWMENT FUNDS Total	**$445,922.96**	**$446,553.50**	**$0.00**	**$630.54**	**100.14%**	**$18.99**

Enid Public Schools

Budget Analysis

Options: Year: 2024-2025, Date Range: 7/1/2024 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2024-2025						
Fund - 50 ENDOWMENT FUNDS						
Function - 2100 Supp Svcs-Students						
800 Other Objects	445,922.96	13,500.00	13,500.00	0.00	432,422.96	3.03%
Total Function - 2100 Supp Svcs-Students	**$445,922.96**	**$13,500.00**	**$13,500.00**	**$0.00**	**$432,422.96**	**3.03 %**
Total Fund - 50 ENDOWMENT FUNDS	**$445,922.96**	**$13,500.00**	**$13,500.00**	**$0.00**	**$432,422.96**	**3.03 %**
Total 2024-2025	**$445,922.96**	**$13,500.00**	**$13,500.00**	**$0.00**	**$432,422.96**	**3.03 %**
Report Total	**$445,922.96**	**$13,500.00**	**$13,500.00**	**$0.00**	**$432,422.96**	**3.03 %**

Appropriated Funds
FY 2024 at-a-Glance
Enid ISD # 57

06-12-2025

Month	Begin Balance	Income	Contributions	Withdrawals	Ending Balance
July 2016	$60,151,202.09	$3,081.73	$829.95	$0.00	$60,155,113.77
July 2017	$54,735,697.14	$26,969.29	$6,913.07	$546,762.26	$54,222,817.24
July 2018	$44,564,036.44	$58,106.41	$14,749.24	$2,425,615.59	$42,211,276.50
July 2019	$24,593,446.13	$44,757.92	$16,045.25	$190,893.19	$24,463,356.11
July 2020	$5,863,705.05	$263.06	$308.19	$350,764.06	$5,513,512.24
July 2021	$3,647,514.61	$54.51	$92.57	$355,225.61	$3,292,436.08
July 2022	$2,778,400.21	$1,655.76	$2,449.18	$0.00	$2,782,505.15
July 2023	$2,861,271.77	$11,312.47	$10,858.94	$0.00	$2,883,443.18
July 2024	$2,915,812.64	$12,054.50	$5,606.92	$0.00	$2,933,474.06
Aug 2024	$2,933,474.06	$12,520.19	$5,808.33	$0.00	$2,951,802.58
Sept 2024	$2,951,802.58	$12,578.22	$5,795.38	$81,131.66	$2,889,044.52
Oct 2024	$2,889,044.52	$11,900.76	$6,317.64	$124,407.25	$2,782,855.67
Nov 2024	$2,782,855.67	$11,017.26	$5,995.21	$0.00	$2,799,868.14
Dec 2024	$2,799,868.14	$10,236.64	$5,412.36	$0.00	$2,815,517.14
Jan 2025	$2,815,517.14	$10,287.55	$5,587.92	$0.00	$2,831,392.61
Feb 2025	$2,831,392.61	$9,925.35	$5,361.16	$0.00	$2,846,679.12
March 2025	$2,846,679.12	$8,955.68	$4,812.72	$84,012.01	$2,776,435.51
April 2025	$2,776,435.51	$9,845.93	$348.48	$30,340.87	$2,756,289.05
May 2025	$2,756,289.05	$9,317.06	$4.88	$0.00	$2,765,610.99
June 2025	$2,765,610.99	$9,525.76	$0.00	$0.00	$2,775,136.75
	YTD Earnings	$1,972,417.52	$792,069.14		

$2,764,486.66 TD Earnings + $60,151,202.09 Begin Balance = **$62,915,688.75 Total Collections** through June 2025

Prepared by:
Sam Robinson, CFO

File: FY25 Board Budget Analysis-June-25

Folder: FY25 Board Meetings

Enid Public Schools

Budget Analysis

Options: Year: 2023-2024, 2021-2022, 2022-2023, 2020-2021, 2024-2025, 2017-2018, 2018-2019, 2016-2017, 2019-2020, Date Range: 7/1/2016 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2016-2017						
Fund - 72 GCEFA Revenue Bond Fund 2016						
000 NON-CATEGORICAL EXP	128,501.77	2,492.50	2,492.50	0.00	126,009.27	1.94%
251 EHS Ren-Additions	1,384,641.77	1,384,641.77	1,384,641.77	0.00	0.00	100.00%
253 Technology Upgrades	4,031,030.30	4,031,030.30	4,031,030.30	0.00	0.00	100.00%
254 Emerson Middle School	47,064.99	47,064.99	47,064.99	0.00	0.00	100.00%
256 Coolidge Elem. School	146,740.45	173,933.33	173,933.33	0.00	-27,192.88	118.53%
257 Hayes Elem. School	33,424.99	33,424.99	33,424.99	0.00	0.00	100.00%
258 McKinley Elem. School	104,320.50	104,320.50	104,320.50	0.00	0.00	100.00%
259 Monroe Elem. School	130,155.82	138,965.82	138,965.82	0.00	-8,810.00	106.77%
263 Glenwood Elem. School	203,839.35	203,839.35	203,839.35	0.00	0.00	100.00%
265 Taft Elem. School	1,245,169.89	1,245,169.89	1,245,169.89	0.00	0.00	100.00%
266 Hoover Elem. School	202,055.57	202,055.57	202,055.57	0.00	0.00	100.00%
267 Lincoln Academy	4,765.00	4,765.00	4,765.00	0.00	0.00	100.00%
269 Longfellow Middle School	193,542.25	193,542.25	193,542.25	0.00	0.00	100.00%
270 Adams Elem. School	36,942.20	36,942.20	36,942.20	0.00	0.00	100.00%
271 Garfield Elem. School	1,917,513.40	1,917,513.40	1,917,513.40	0.00	0.00	100.00%
273 Prairie View Elem. School	196,724.49	196,724.49	196,724.49	0.00	0.00	100.00%
275 Eisenhower Elem. School	156,750.00	246,756.39	246,756.39	0.00	-90,006.39	157.42%
276 Waller Middle School	37,275.36	37,275.36	37,275.36	0.00	0.00	100.00%
287 Property Acquisition	149,573.00	149,573.00	149,573.00	0.00	0.00	100.00%
298 NWOSU-EPS ECC	5,142.50	5,142.50	5,142.50	0.00	0.00	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$10,355,173.60**	**$10,355,173.60**	**$10,355,173.60**	**$0.00**	**$0.00**	**100.00 %**
Total 2016-2017	**$10,355,173.60**	**$10,355,173.60**	**$10,355,173.60**	**$0.00**	**$0.00**	**100.00 %**
2017-2018						
Fund - 72 GCEFA Revenue Bond Fund 2016						
000 NON-CATEGORICAL EXP	1,004,822.35	1,920.00	1,920.00	0.00	1,002,902.35	0.19%
251 EHS Ren-Additions	24,303,600.46	24,303,600.46	24,303,600.46	0.00	0.00	100.00%
253 Technology Upgrades	544,212.33	544,212.33	544,212.33	0.00	0.00	100.00%
254 Emerson Middle School	12,070.00	12,070.00	12,070.00	0.00	0.00	100.00%
255 Gen. Maint 2010 - FF&E 2016	54,859.00	54,859.00	54,859.00	0.00	0.00	100.00%
256 Coolidge Elem. School	394,062.45	394,062.45	394,062.45	0.00	0.00	100.00%
257 Hayes Elem. School	167,339.88	167,339.88	167,339.88	0.00	0.00	100.00%
258 McKinley Elem. School	9,003.22	9,003.22	9,003.22	0.00	0.00	100.00%
259 Monroe Elem. School	77,804.87	77,804.87	77,804.87	0.00	0.00	100.00%
263 Glenwood Elem. School	31,431.19	31,431.19	31,431.19	0.00	0.00	100.00%
264 Carver Early Childhood Center	21,291.00	22,141.00	22,141.00	0.00	-850.00	103.99%
265 Taft Elem. School	126,063.54	126,063.54	126,063.54	0.00	0.00	100.00%
266 Hoover Elem. School	54,200.00	54,200.00	54,200.00	0.00	0.00	100.00%
269 Longfellow Middle School	2,935,457.75	3,936,616.00	3,936,616.00	0.00	-1,001,158.25	134.11%
270 Adams Elem. School	34,361.85	34,361.85	34,361.85	0.00	0.00	100.00%
271 Garfield Elem. School	60,225.65	60,225.65	60,225.65	0.00	0.00	100.00%

Budget Analysis

Options: Year: 2023-2024, 2021-2022, 2022-2023, 2020-2021, 2024-2025, 2017-2018, 2018-2019, 2016-2017, 2019-2020, Date Range: 7/1/2016 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2017-2018						
Fund - 72 GCEFA Revenue Bond Fund 2016						
273 Prairie View Elem. School	4,947.91	4,947.91	4,947.91	0.00	0.00	100.00%
275 Eisenhower Elem. School	0.00	722.10	722.10	0.00	-722.10	100.00%
276 Waller Middle School	2,865,368.35	2,865,368.35	2,865,368.35	0.00	0.00	100.00%
280 Constr. Prog. Mgt.	0.00	121.00	121.00	0.00	-121.00	100.00%
287 Property Acquisition	385,835.86	385,835.86	385,835.86	0.00	0.00	100.00%
288 EHS Baseball / Softball Facility	0.00	51.00	51.00	0.00	-51.00	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$33,086,957.66**	**$33,086,957.66**	**$33,086,957.66**	**$0.00**	**$0.00**	**100.00 %**
Total 2017-2018	**$33,086,957.66**	**$33,086,957.66**	**$33,086,957.66**	**$0.00**	**$0.00**	**100.00 %**
2018-2019						
Fund - 72 GCEFA Revenue Bond Fund 2016						
000 NON-CATEGORICAL EXP	2,621,550.97	110,998.57	110,998.57	0.00	2,510,552.40	4.23%
251 EHS Ren-Additions	286,079.68	286,079.68	286,079.68	0.00	0.00	100.00%
253 Technology Upgrades	839,860.35	839,860.35	839,860.35	0.00	0.00	100.00%
254 Emerson Middle School	15,535.42	15,535.42	15,535.42	0.00	0.00	100.00%
256 Coolidge Elem. School	80,311.79	80,311.79	80,311.79	0.00	0.00	100.00%
257 Hayes Elem. School	7,116.33	7,116.33	7,116.33	0.00	0.00	100.00%
258 McKinley Elem. School	43,953.17	43,953.17	43,953.17	0.00	0.00	100.00%
259 Monroe Elem. School	30,474.97	30,474.97	30,474.97	0.00	0.00	100.00%
263 Glenwood Elem. School	5,352.74	5,352.74	5,352.74	0.00	0.00	100.00%
264 Carver Early Childhood Center	13,388.00	13,388.00	13,388.00	0.00	0.00	100.00%
265 Taft Elem. School	35,077.26	35,077.26	35,077.26	0.00	0.00	100.00%
267 Lincoln Academy	9,348.06	9,348.06	9,348.06	0.00	0.00	100.00%
269 Longfellow Middle School	0.00	602,527.08	602,527.08	0.00	-602,527.08	100.00%
270 Adams Elem. School	4,043,900.53	4,619,707.97	4,619,707.97	0.00	-575,807.44	114.24%
271 Garfield Elem. School	26,132.42	26,132.42	26,132.42	0.00	0.00	100.00%
273 Prairie View Elem. School	8,586.47	8,586.47	8,586.47	0.00	0.00	100.00%
275 Eisenhower Elem. School	0.00	150.00	150.00	0.00	-150.00	100.00%
276 Waller Middle School	126,270.29	335,106.80	335,106.80	0.00	-208,836.51	265.39%
287 Property Acquisition	617,715.57	617,715.57	617,715.57	0.00	0.00	100.00%
298 NWOSU-EPS ECC	1,071,818.14	2,195,049.51	2,195,049.51	0.00	-1,123,231.37	204.80%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$9,882,472.16**	**$9,882,472.16**	**$9,882,472.16**	**$0.00**	**$0.00**	**100.00 %**
Total 2018-2019	**$9,882,472.16**	**$9,882,472.16**	**$9,882,472.16**	**$0.00**	**$0.00**	**100.00 %**
2019-2020						
Fund - 72 GCEFA Revenue Bond Fund 2016						
000 NON-CATEGORICAL EXP	316,753.19	0.00	0.00	0.00	316,753.19	0.00%
251 EHS Ren-Additions	774,856.43	2,570,818.74	2,570,818.74	0.00	-1,795,962.31	331.78%
253 Technology Upgrades	534,507.45	534,507.45	534,507.45	0.00	0.00	100.00%
254 Emerson Middle School	363,029.60	526,758.60	526,758.60	0.00	-163,729.00	145.10%
255 Gen. Maint 2010 - FF&E 2016	250,304.94	0.00	0.00	0.00	250,304.94	0.00%
256 Coolidge Elem. School	594,220.67	1,330.00	1,330.00	0.00	592,890.67	0.22%

Budget Analysis

Options: Year: 2023-2024, 2021-2022, 2022-2023, 2020-2021, 2024-2025, 2017-2018, 2018-2019, 2016-2017, 2019-2020, Date Range: 7/1/2016 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2019-2020						
Fund - 72 GCEFA Revenue Bond Fund 2016						
257 Hayes Elem. School	137,718.80	15,545.50	15,545.50	0.00	122,173.30	11.29%
258 McKinley Elem. School	146,106.96	281,762.11	281,762.11	0.00	-135,655.15	192.85%
259 Monroe Elem. School	43,564.34	24,976.05	24,976.05	0.00	18,588.29	57.33%
263 Glenwood Elem. School	46,776.72	23,886.55	23,886.55	0.00	22,890.17	51.07%
264 Carver Early Childhood Center	91,321.00	5,483.25	5,483.25	0.00	85,837.75	6.00%
265 Taft Elem. School	25,314.31	0.00	0.00	0.00	25,314.31	0.00%
266 Hoover Elem. School	118,744.43	18,100.68	18,100.68	0.00	100,643.75	15.24%
267 Lincoln Academy	182,686.94	206,996.34	206,996.34	0.00	-24,309.40	113.31%
269 Longfellow Middle School	0.00	56,576.00	56,576.00	0.00	-56,576.00	100.00%
270 Adams Elem. School	0.00	201,184.14	201,184.14	0.00	-201,184.14	100.00%
271 Garfield Elem. School	985,328.53	20,132.48	20,132.48	0.00	965,196.05	2.04%
273 Prairie View Elem. School	53,741.13	20,132.96	20,132.96	0.00	33,608.17	37.46%
275 Eisenhower Elem. School	0.00	21,484.28	21,484.28	0.00	-21,484.28	100.00%
276 Waller Middle School	0.00	24,327.45	24,327.45	0.00	-24,327.45	100.00%
287 Property Acquisition	271,040.02	271,040.02	271,040.02	0.00	0.00	100.00%
298 NWOSU-EPS ECC	0.00	110,972.86	110,972.86	0.00	-110,972.86	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$4,936,015.46**	**$4,936,015.46**	**$4,936,015.46**	**$0.00**	**$0.00**	**100.00 %**
Total 2019-2020	**$4,936,015.46**	**$4,936,015.46**	**$4,936,015.46**	**$0.00**	**$0.00**	**100.00 %**
2020-2021						
Fund - 72 GCEFA Revenue Bond Fund 2016						
251 EHS Ren-Additions	69,008.43	189,685.28	189,685.28	0.00	-120,676.85	274.87%
253 Technology Upgrades	50,389.57	64,456.68	64,456.68	0.00	-14,067.11	127.92%
254 Emerson Middle School	0.00	85,519.00	85,519.00	0.00	-85,519.00	100.00%
255 Gen. Maint 2010 - FF&E 2016	444,836.06	0.00	0.00	0.00	444,836.06	0.00%
257 Hayes Elem. School	0.00	50,834.34	50,834.34	0.00	-50,834.34	100.00%
258 McKinley Elem. School	0.00	8,757.64	8,757.64	0.00	-8,757.64	100.00%
259 Monroe Elem. School	0.00	54,662.00	54,662.00	0.00	-54,662.00	100.00%
266 Hoover Elem. School	0.00	55,570.56	55,570.56	0.00	-55,570.56	100.00%
269 Longfellow Middle School	0.00	27,740.68	27,740.68	0.00	-27,740.68	100.00%
270 Adams Elem. School	0.00	45,744.24	45,744.24	0.00	-45,744.24	100.00%
275 Eisenhower Elem. School	0.00	239.50	239.50	0.00	-239.50	100.00%
276 Waller Middle School	0.00	323.56	323.56	0.00	-323.56	100.00%
287 Property Acquisition	139,947.87	120,648.45	120,648.45	0.00	19,299.42	86.21%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$704,181.93**	**$704,181.93**	**$704,181.93**	**$0.00**	**$0.00**	**100.00 %**
Total 2020-2021	**$704,181.93**	**$704,181.93**	**$704,181.93**	**$0.00**	**$0.00**	**100.00 %**
2021-2022						
Fund - 72 GCEFA Revenue Bond Fund 2016						
287 Property Acquisition	530,513.88	530,513.88	530,513.88	0.00	0.00	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$530,513.88**	**$530,513.88**	**$530,513.88**	**$0.00**	**$0.00**	**100.00 %**

Enid Public Schools

Budget Analysis

Options: Year: 2023-2024, 2021-2022, 2022-2023, 2020-2021, 2024-2025, 2017-2018, 2018-2019, 2016-2017, 2019-2020, Date Range: 7/1/2016 - 6/30/2025, Classification Bolding: D, Print Detail: False

Classification	Appropriation	Encumbered	Paid	Encumbered Balance	Unencumbered Balance	% Enc Budget
2021-2022						
Total 2021-2022	**$530,513.88**	**$530,513.88**	**$530,513.88**	**$0.00**	**$0.00**	**100.00 %**
2022-2023						
Fund - 72 GCEFA Revenue Bond Fund 2016						
287 Property Acquisition	120,824.87	120,824.87	120,824.87	0.00	0.00	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$120,824.87**	**$120,824.87**	**$120,824.87**	**$0.00**	**$0.00**	**100.00 %**
Total 2022-2023	**$120,824.87**	**$120,824.87**	**$120,824.87**	**$0.00**	**$0.00**	**100.00 %**
2023-2024						
Fund - 72 GCEFA Revenue Bond Fund 2016						
287 Property Acquisition	215,170.74	215,170.74	215,170.74	0.00	0.00	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$215,170.74**	**$215,170.74**	**$215,170.74**	**$0.00**	**$0.00**	**100.00 %**
Total 2023-2024	**$215,170.74**	**$215,170.74**	**$215,170.74**	**$0.00**	**$0.00**	**100.00 %**
2024-2025						
Fund - 72 GCEFA Revenue Bond Fund 2016						
287 Property Acquisition	319,891.79	319,891.79	319,891.79	0.00	0.00	100.00%
Total Fund - 72 GCEFA Revenue Bond Fund 2016	**$319,891.79**	**$319,891.79**	**$319,891.79**	**$0.00**	**$0.00**	**100.00 %**
Total 2024-2025	**$319,891.79**	**$319,891.79**	**$319,891.79**	**$0.00**	**$0.00**	**100.00 %**
Report Total	**$60,151,202.09**	**$60,151,202.09**	**$60,151,202.09**	**$0.00**	**$0.00**	**100.00 %**

Enid Public Schools

Investment Ledger

Options: Funds: , Account Nos: , Investment Nos: , Date Range: 7/1/2024 - 6/30/2025, Exclude Investments Matured in Date Range: False, Exclude Investments Liquidated in Date Range: True

Fund: 11

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F116MO$8MCDMAT122025	F116MO$8MCDMAT122025	6/20/2025	12/19/2025		$8,000,000.00	4.180	$8,000,000.00
					Total F116MO$8MCDMAT122025		**$8,000,000.00**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$8,000,000.00**
					Total Fund 11		**$8,000,000.00**

Fund: 21

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F216MO$1MCDMAT122025	F216MO$1MCDMAT122025	6/20/2025	12/19/2025		$1,000,000.00	4.180	$1,000,000.00
					Total F216MO$1MCDMAT122025		**$1,000,000.00**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$1,000,000.00**
					Total Fund 21		**$1,000,000.00**

Fund: 25

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F256M$1.5CDMAT12202	F256MO$1.5MCDMAT122025	6/20/2025	12/19/2025		$1,500,000.00	4.180	$1,500,000.00
					Total F256M$1.5CDMAT122025		**$1,500,000.00**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$1,500,000.00**
					Total Fund 25		**$1,500,000.00**

Fund: 35

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F38/393MOCDMAT08202	F38/F39 PUR 3MO CD MAT082025	5/9/2025	8/20/2025		$935,410.77	4.260	$935,410.77
					Total F38/393MOCDMAT082025		**$935,410.77**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$935,410.77**
					Total Fund 35		**$935,410.77**

Fund: 39

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F38/393MOCDMAT08202	F38/F39 PUR 3MO CD MAT082025	5/9/2025	8/20/2025		$10,208,766.89	4.260	$10,208,766.89
					Total F38/393MOCDMAT082025		**$10,208,766.89**
F396MCDMAT121925	F396MCD$359178.44MAT121925	6/23/2025	12/19/2025		$359,178.44	4.180	$359,178.44
					Total F396MCDMAT121925		**$359,178.44**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$10,567,945.33**
					Total Fund 39		**$10,567,945.33**

Fund: 41

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F416MOCDMAT112025	F41 PUR 6MO CD MAT112025	5/9/2025	11/20/2025		$1,253,852.96	4.140	$1,253,852.96
					Total F416MOCDMAT112025		**$1,253,852.96**

Enid Public Schools

Investment Ledger

Options: Funds: , Account Nos: , Investment Nos: , Date Range: 7/1/2024 - 6/30/2025, Exclude Investments Matured in Date Range: False, Exclude Investments Liquidated in Date Range: True

Total AI 0101 SECURITY NATIONAL BANK CD'S	**$1,253,852.96**
Total Fund 41	**$1,253,852.96**

Fund: 50

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F5012MOCD MAT050126	F50 PUR 12MO CD MAT050126	5/9/2025	5/1/2026		$436,018.47	4.000	$436,018.47
					Total F5012MOCDMAT050126		**$436,018.47**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$436,018.47**
					Total Fund 50		**$436,018.47**

Fund: 67

Account: AI 0101 SECURITY NATIONAL BANK CD'S

Inv No	Description	Purchased	Maturity	Liquidated	Purchase Amount	Rate	Balance
F6712MOCD MAT050126	F67 12MOCD $90,233.22 MAT5126	5/9/2025	5/1/2026		$90,233.22	4.000	$90,233.22
					Total F6712MOCDMAT050126		**$90,233.22**
					Total AI 0101 SECURITY NATIONAL BANK CD'S		**$90,233.22**
					Total Fund 67		**$90,233.22**
					Total All Funds		**$23,783,460.75**

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 039 ADMINISTRATION SVR CTR							
000 NON-CATEGORICAL EXP	$28.63	$0.00	$0.00	$0.00	$28.63	$0.00	$28.63
807 Chromebook Maintenance-60	$10.00	$0.00	$0.00	$10.00	$0.00	$0.00	$0.00
841 Interest	$106,331.74	$3,859.17	$0.00	$573.34	$109,617.57	$0.00	$109,617.57
888 Central Office Staff Account	$264.59	$0.00	$0.00	$0.00	$264.59	$0.00	$264.59
899 Convenience Fees	$7,394.31	$0.85	$0.00	$7,395.16	$0.00	$0.00	$0.00
905 Teacher Resource Center	$219.35	$0.00	$0.00	$0.00	$219.35	$0.00	$219.35
920 Legislative Breakfast	$556.25	$0.00	$0.00	$0.00	$556.25	$0.00	$556.25
934 CO Social Fund	$130.84	$0.00	$0.00	$0.00	$130.84	$0.00	$130.84
935 EL Resources	$500.00	$0.00	$0.00	$0.00	$500.00	$0.00	$500.00
937 Board Bereavement Account	$100.00	$0.00	$0.00	$0.00	$100.00	$0.00	$100.00
956 Child Nutrition Receipts	$2,556.20	$0.00	$0.00	$2,556.20	$0.00	$0.00	$0.00
Total Unit - 039 ADMINISTRATION SVR CTR	**$118,091.91**	**$3,860.02**	**$0.00**	**$10,534.70**	**$111,417.23**	**$0.00**	**$111,417.23**
Unit - 044 LINCOLN ACADEMY ALT ED							
887 Lincoln Adult Programs	$176.97	$0.00	$0.00	$0.00	$176.97	$0.00	$176.97
890 Student Fundraiser/Paid Activities	$250.00	$0.00	$0.00	$0.00	$250.00	$0.00	$250.00
913 EPS CARES FIELD TRIP	$50.00	$0.00	$0.00	$0.00	$50.00	$0.00	$50.00
919 Alternative School - Lincoln	$5,117.99	$0.00	$0.00	$77.82	$5,040.17	$0.00	$5,040.17
948 GED Financial Aid	$300.00	$0.00	$0.00	$0.00	$300.00	$0.00	$300.00
Total Unit - 044 LINCOLN ACADEMY ALT ED	**$5,894.96**	**$0.00**	**$0.00**	**$77.82**	**$5,817.14**	**$0.00**	**$5,817.14**
Unit - 050 Child Nutrition Programs							
956 Child Nutrition Receipts	$365.00	$0.00	$0.00	$365.00	$0.00	$0.00	$0.00
Total Unit - 050 Child Nutrition Programs	**$365.00**	**$0.00**	**$0.00**	**$365.00**	**$0.00**	**$0.00**	**$0.00**
Unit - 105 ADAMS ELEM SCHOOL							
819 Faculty Fund	$346.90	$0.00	$0.00	$0.00	$346.90	$0.00	$346.90
820 Concession Stand	$143.00	$0.00	$0.00	$0.00	$143.00	$0.00	$143.00
835 Library	$1,605.98	$0.00	$0.00	$0.00	$1,605.98	$0.00	$1,605.98
842 Vending	$53.31	$0.00	$0.00	$0.00	$53.31	$0.00	$53.31
861 Vocal Music	$4,336.81	$0.00	$0.00	$0.00	$4,336.81	$0.00	$4,336.81
868 SpEd: Special Olympics	$416.94	$0.00	$0.00	$0.00	$416.94	$0.00	$416.94
875 PTO	$3,077.42	$0.00	$0.00	$231.86	$2,845.56	$0.00	$2,845.56
879 Yearbook	$1,613.02	$0.00	$0.00	$0.00	$1,613.02	$0.00	$1,613.02
890 Student Fundraiser/Paid Activities	$6,593.25	$0.00	$0.00	$675.77	$5,917.48	$0.00	$5,917.48
936 Picture Commissions	$876.86	$0.00	$0.00	$0.00	$876.86	$0.00	$876.86
956 Child Nutrition Receipts	$2,303.10	$0.00	$0.00	$2,303.10	$0.00	$0.00	$0.00
Total Unit - 105 ADAMS ELEM SCHOOL	**$21,366.59**	**$0.00**	**$0.00**	**$3,210.73**	**$18,155.86**	**$0.00**	**$18,155.86**
Unit - 115 CARVER EARLY CHILDHOOD CTR							
835 Library	$2,956.89	$0.00	$0.00	$0.00	$2,956.89	$0.00	$2,956.89
842 Vending	$493.70	$0.00	$0.00	$0.00	$493.70	$0.00	$493.70
890 Student Fundraiser/Paid Activities	$8,131.85	$0.00	$0.00	$0.00	$8,131.85	$0.00	$8,131.85
936 Picture Commissions	$553.25	$0.00	$0.00	$0.00	$553.25	$0.00	$553.25
951 Commons 4 Yr Old Prog	$228.70	$0.00	$0.00	$0.00	$228.70	$0.00	$228.70
Total Unit - 115 CARVER EARLY CHILDHOOD CTR	**$12,364.39**	**$0.00**	**$0.00**	**$0.00**	**$12,364.39**	**$0.00**	**$12,364.39**
Unit - 120 COOLIDGE ELEM SCHOOL							
819 Faculty Fund	$462.40	$0.00	$0.00	$0.00	$462.40	$0.00	$462.40
822 Teacher Awarded	$1,237.62	$0.00	$0.00	$0.00	$1,237.62	$0.00	$1,237.62
835 Library	$6,863.66	$0.00	$0.00	$0.00	$6,863.66	$0.00	$6,863.66
842 Vending	$33.30	$0.00	$0.00	$0.00	$33.30	$0.00	$33.30
868 SpEd: Special Olympics	$2,466.75	$0.00	$0.00	$0.00	$2,466.75	$0.00	$2,466.75
875 PTO	$10,903.90	$0.00	$0.00	$0.00	$10,903.90	$0.00	$10,903.90
879 Yearbook	$699.50	$0.00	$0.00	$0.00	$699.50	$0.00	$699.50
890 Student Fundraiser/Paid Activities	$3,245.96	$0.00	$0.00	$13.29	$3,232.67	$0.00	$3,232.67
956 Child Nutrition Receipts	$1,138.95	$0.00	$0.00	$1,138.95	$0.00	$0.00	$0.00
Total Unit - 120 COOLIDGE ELEM SCHOOL	**$27,052.04**	**$0.00**	**$0.00**	**$1,152.24**	**$25,899.80**	**$0.00**	**$25,899.80**
Unit - 125 EISENHOWER ELEM SCHOOL							
819 Faculty Fund	$418.13	$0.00	$0.00	$0.00	$418.13	$0.00	$418.13
835 Library	$967.58	$0.00	$0.00	$0.00	$967.58	$0.00	$967.58

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 125 EISENHOWER ELEM SCHOOL							
842 Vending	$25.72	$0.00	$0.00	$0.00	$25.72	$0.00	$25.72
847 Physical Education	$730.00	$0.00	$0.00	$0.00	$730.00	$0.00	$730.00
861 Vocal Music	$394.49	$0.00	$0.00	$0.00	$394.49	$0.00	$394.49
875 PTO	$3,967.89	$0.00	$0.00	$1,079.96	$2,887.93	$0.00	$2,887.93
879 Yearbook	$232.00	$0.00	$0.00	$0.00	$232.00	$0.00	$232.00
890 Student Fundraiser/Paid Activities	$1,448.75	$0.00	$0.00	$0.00	$1,448.75	$0.00	$1,448.75
936 Picture Commissions	$2,249.19	$0.00	$0.00	$0.00	$2,249.19	$0.00	$2,249.19
956 Child Nutrition Receipts	$6,864.10	$0.00	$0.00	$6,864.10	$0.00	$0.00	$0.00
Total Unit - 125 EISENHOWER ELEM SCHOOL	**$17,297.85**	**$0.00**	**$0.00**	**$7,944.06**	**$9,353.79**	**$0.00**	**$9,353.79**
Unit - 130 GARFIELD ELEM SCHOOL							
807 Chromebook Maintenance-60	$10.00	$0.00	$0.00	$10.00	$0.00	$0.00	$0.00
819 Faculty Fund	$209.52	$0.00	$0.00	$0.00	$209.52	$0.00	$209.52
820 Concession Stand	$134.78	$0.00	$0.00	$0.00	$134.78	$0.00	$134.78
822 Teacher Awarded	$256.62	$0.00	$0.00	$0.00	$256.62	$0.00	$256.62
835 Library	$2,144.14	$0.00	$0.00	$0.00	$2,144.14	$0.00	$2,144.14
842 Vending	$1,447.73	$0.00	$0.00	$0.00	$1,447.73	$0.00	$1,447.73
861 Vocal Music	$911.99	$0.00	$0.00	$0.00	$911.99	$0.00	$911.99
864 Fundraiser	$45.00	$0.00	$0.00	$0.00	$45.00	$0.00	$45.00
875 PTO	$2,406.10	$0.00	$0.00	$256.27	$2,149.83	$0.00	$2,149.83
879 Yearbook	$389.00	$0.00	$0.00	$0.00	$389.00	$0.00	$389.00
890 Student Fundraiser/Paid Activities	$471.12	$0.00	$0.00	$0.00	$471.12	$0.00	$471.12
913 EPS CARES FIELD TRIP	$531.00	$150.00	$0.00	$0.00	$681.00	$0.00	$681.00
914 EPS Cares	$7,075.00	$5,234.00	$0.00	$12,309.00	$0.00	$0.00	$0.00
936 Picture Commissions	$4,306.44	$0.00	$0.00	$0.00	$4,306.44	$0.00	$4,306.44
956 Child Nutrition Receipts	$2,804.15	$0.00	$0.00	$2,804.15	$0.00	$0.00	$0.00
Total Unit - 130 GARFIELD ELEM SCHOOL	**$23,142.59**	**$5,384.00**	**$0.00**	**$15,379.42**	**$13,147.17**	**$0.00**	**$13,147.17**
Unit - 132 GLENWOOD ELEM SCHOOL							
807 Chromebook Maintenance-60	$20.00	$0.00	$0.00	$20.00	$0.00	$0.00	$0.00
819 Faculty Fund	$907.79	$0.00	$0.00	$0.00	$907.79	$0.00	$907.79
820 Concession Stand	$53.46	$0.00	$0.00	$0.00	$53.46	$0.00	$53.46
835 Library	$5,584.05	$0.00	$0.00	$0.00	$5,584.05	$0.00	$5,584.05
861 Vocal Music	$208.31	$0.00	$0.00	$0.00	$208.31	$0.00	$208.31
867 5TH GRADE FUNDRAISERS	$1,413.68	$0.00	$0.00	$0.00	$1,413.68	$0.00	$1,413.68
875 PTO	$1,041.34	$0.00	$0.00	$205.92	$835.42	$0.00	$835.42
890 Student Fundraiser/Paid Activities	$5,400.32	$0.00	$0.00	$248.41	$5,151.91	$0.00	$5,151.91
913 EPS CARES FIELD TRIP	$480.00	$155.00	$0.00	$0.00	$635.00	$0.00	$635.00
914 EPS Cares	$14,073.05	$10,485.00	$0.00	$24,558.05	$0.00	$0.00	$0.00
915 Campus After Care	$556.74	$0.00	$0.00	$0.00	$556.74	$0.00	$556.74
936 Picture Commissions	$637.16	$0.00	$0.00	$0.00	$637.16	$0.00	$637.16
956 Child Nutrition Receipts	$9,460.83	$15.00	$0.00	$9,475.83	$0.00	$0.00	$0.00
961 Archery Club	$15.00	$0.00	$0.00	$0.00	$15.00	$0.00	$15.00
Total Unit - 132 GLENWOOD ELEM SCHOOL	**$39,851.73**	**$10,655.00**	**$0.00**	**$34,508.21**	**$15,998.52**	**$0.00**	**$15,998.52**
Unit - 134 FOWLER ECC							
819 Faculty Fund	$90.00	$0.00	$0.00	$0.00	$90.00	$0.00	$90.00
835 Library	$2,956.91	$0.00	$0.00	$0.00	$2,956.91	$0.00	$2,956.91
879 Yearbook	$182.00	$0.00	$0.00	$0.00	$182.00	$0.00	$182.00
890 Student Fundraiser/Paid Activities	$10,276.28	$0.00	$0.00	$112.90	$10,163.38	$0.00	$10,163.38
936 Picture Commissions	$643.95	$0.00	$0.00	$0.00	$643.95	$0.00	$643.95
Total Unit - 134 FOWLER ECC	**$14,149.14**	**$0.00**	**$0.00**	**$112.90**	**$14,036.24**	**$0.00**	**$14,036.24**
Unit - 137 HAYES ELEM SCHOOL							
804 Art Department	$14.74	$0.00	$0.00	$0.00	$14.74	$0.00	$14.74
807 Chromebook Maintenance-60	$20.00	$0.00	$0.00	$20.00	$0.00	$0.00	$0.00
819 Faculty Fund	$267.13	$0.00	$0.00	$0.00	$267.13	$0.00	$267.13
835 Library	$3,421.80	$0.00	$0.00	$0.00	$3,421.80	$0.00	$3,421.80
861 Vocal Music	$633.42	$0.00	$0.00	$0.00	$633.42	$0.00	$633.42
875 PTO	$6,116.00	$0.00	$0.00	$99.50	$6,016.50	$0.00	$6,016.50

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 137 HAYES ELEM SCHOOL							
879 Yearbook	$780.00	$0.00	$0.00	$0.00	$780.00	$0.00	$780.00
890 Student Fundraiser/Paid Activities	$2,574.99	$0.00	$0.00	$0.00	$2,574.99	$0.00	$2,574.99
956 Child Nutrition Receipts	$8,075.55	$0.00	$0.00	$8,075.55	$0.00	$0.00	$0.00
Total Unit - 137 HAYES ELEM SCHOOL	**$21,903.63**	**$0.00**	**$0.00**	**$8,195.05**	**$13,708.58**	**$0.00**	**$13,708.58**
Unit - 140 HOOVER ELEM SCHOOL							
807 Chromebook Maintenance-60	$474.00	$0.00	$0.00	$474.00	$0.00	$0.00	$0.00
819 Faculty Fund	$1,180.24	$0.00	$0.00	$0.00	$1,180.24	$0.00	$1,180.24
820 Concession Stand	$19.00	$42.28	$0.00	$0.00	$61.28	$0.00	$61.28
822 Teacher Awarded	$1,269.05	$0.00	$0.00	$0.00	$1,269.05	$0.00	$1,269.05
835 Library	$1,279.33	$0.00	$0.00	$0.00	$1,279.33	$0.00	$1,279.33
842 Vending	$167.08	$0.00	$0.00	$0.00	$167.08	$0.00	$167.08
875 PTO	$9,912.26	$0.00	$0.00	$0.00	$9,912.26	$0.00	$9,912.26
879 Yearbook	$1,153.99	$0.00	$0.00	$0.00	$1,153.99	$0.00	$1,153.99
890 Student Fundraiser/Paid Activities	$4,521.12	$0.00	$0.00	$0.00	$4,521.12	$0.00	$4,521.12
936 Picture Commissions	$2,325.15	$0.00	$0.00	$0.00	$2,325.15	$0.00	$2,325.15
956 Child Nutrition Receipts	$9,817.30	$0.00	$0.00	$9,817.30	$0.00	$0.00	$0.00
Total Unit - 140 HOOVER ELEM SCHOOL	**$32,118.52**	**$42.28**	**$0.00**	**$10,291.30**	**$21,869.50**	**$0.00**	**$21,869.50**
Unit - 160 MCKINLEY ELEM SCHOOL							
807 Chromebook Maintenance-60	$210.00	$0.00	$0.00	$210.00	$0.00	$0.00	$0.00
819 Faculty Fund	$448.25	$0.00	$0.00	$0.00	$448.25	$0.00	$448.25
825 General Student	$2,391.65	$0.00	$0.00	$0.00	$2,391.65	$0.00	$2,391.65
835 Library	$2,599.41	$0.00	$0.00	$0.00	$2,599.41	$0.00	$2,599.41
842 Vending	$51.79	$0.00	$0.00	$0.00	$51.79	$0.00	$51.79
867 5TH GRADE FUNDRAISERS	$386.69	$0.00	$0.00	$207.78	$178.91	$0.00	$178.91
875 PTO	$5,025.69	$0.00	$0.00	$0.00	$5,025.69	$0.00	$5,025.69
890 Student Fundraiser/Paid Activities	$2,233.44	$0.00	$0.00	$62.19	$2,171.25	$0.00	$2,171.25
936 Picture Commissions	$2,101.12	$0.00	$0.00	$0.00	$2,101.12	$0.00	$2,101.12
956 Child Nutrition Receipts	$3,360.48	$0.00	$0.00	$3,360.48	$0.00	$0.00	$0.00
Total Unit - 160 MCKINLEY ELEM SCHOOL	**$18,808.52**	**$0.00**	**$0.00**	**$3,840.45**	**$14,968.07**	**$0.00**	**$14,968.07**
Unit - 165 MONROE ELEM SCHOOL							
807 Chromebook Maintenance-60	$80.00	$0.00	$0.00	$80.00	$0.00	$0.00	$0.00
819 Faculty Fund	$3.22	$0.00	$0.00	$0.00	$3.22	$0.00	$3.22
833 Outdoor Ed	$4,866.11	$0.00	$0.00	$1,504.41	$3,361.70	$0.00	$3,361.70
835 Library	$9,429.13	$0.00	$0.00	$3,736.72	$5,692.41	$0.00	$5,692.41
842 Vending	$19.26	$0.00	$0.00	$0.00	$19.26	$0.00	$19.26
847 Physical Education	$2,508.69	$0.00	$0.00	$0.00	$2,508.69	$0.00	$2,508.69
861 Vocal Music	$481.96	$0.00	$0.00	$0.00	$481.96	$0.00	$481.96
868 SpEd: Special Olympics	$1,166.31	$0.00	$0.00	$0.00	$1,166.31	$0.00	$1,166.31
875 PTO	$3,347.61	$0.00	$0.00	$410.16	$2,937.45	$0.00	$2,937.45
879 Yearbook	$594.70	$0.00	$0.00	$0.00	$594.70	$0.00	$594.70
890 Student Fundraiser/Paid Activities	$3,844.37	$0.00	$0.00	$2,230.55	$1,613.82	$0.00	$1,613.82
914 EPS Cares	$683.00	$0.00	$0.00	$683.00	$0.00	$0.00	$0.00
936 Picture Commissions	$312.74	$0.00	$0.00	$0.00	$312.74	$0.00	$312.74
956 Child Nutrition Receipts	$1,268.90	$0.00	$0.00	$1,268.90	$0.00	$0.00	$0.00
Total Unit - 165 MONROE ELEM SCHOOL	**$28,606.00**	**$0.00**	**$0.00**	**$9,913.74**	**$18,692.26**	**$0.00**	**$18,692.26**
Unit - 170 PRAIRIE VIEW ELEM							
804 Art Department	$17.36	$0.00	$0.00	$0.00	$17.36	$0.00	$17.36
807 Chromebook Maintenance-60	$40.00	$0.00	$0.00	$40.00	$0.00	$0.00	$0.00
819 Faculty Fund	$2,196.19	$0.00	$0.00	$0.00	$2,196.19	$0.00	$2,196.19
822 Teacher Awarded	$730.94	$0.00	$0.00	$0.00	$730.94	$0.00	$730.94
835 Library	$5,721.18	$0.00	$0.00	$0.00	$5,721.18	$0.00	$5,721.18
861 Vocal Music	$1,390.00	$0.00	$0.00	$0.00	$1,390.00	$0.00	$1,390.00
875 PTO	$26,792.99	$0.00	$0.00	$627.31	$26,165.68	$0.00	$26,165.68
886 ACTION Program	$367.53	$0.00	$0.00	$0.00	$367.53	$0.00	$367.53
890 Student Fundraiser/Paid Activities	$2,058.36	$0.00	$0.00	$0.00	$2,058.36	$0.00	$2,058.36
913 EPS CARES FIELD TRIP	$255.00	$0.00	$0.00	$0.00	$255.00	$0.00	$255.00

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 170 PRAIRIE VIEW ELEM							
914 EPS Cares	$13,361.00	$0.00	$0.00	$13,361.00	$0.00	$0.00	$0.00
936 Picture Commissions	$1,971.04	$0.00	$0.00	$0.00	$1,971.04	$0.00	$1,971.04
944 Elementary Boys Choir	$25.00	$0.00	$0.00	$0.00	$25.00	$0.00	$25.00
956 Child Nutrition Receipts	$25,399.28	$0.00	$0.00	$25,399.28	$0.00	$0.00	$0.00
Total Unit - 170 PRAIRIE VIEW ELEM	**$80,325.87**	**$0.00**	**$0.00**	**$39,427.59**	**$40,898.28**	**$0.00**	**$40,898.28**
Unit - 175 TAFT ELEM SCHOOL							
804 Art Department	$525.01	$0.00	$0.00	$0.00	$525.01	$0.00	$525.01
807 Chromebook Maintenance-60	$35.00	$0.00	$0.00	$35.00	$0.00	$0.00	$0.00
819 Faculty Fund	$906.18	$0.00	$0.00	$0.00	$906.18	$0.00	$906.18
822 Teacher Awarded	$9,500.00	$0.00	$0.00	$0.00	$9,500.00	$0.00	$9,500.00
835 Library	$4,272.74	$0.00	$0.00	$0.00	$4,272.74	$0.00	$4,272.74
847 Physical Education	$3,810.45	$0.00	$0.00	$450.00	$3,360.45	$0.00	$3,360.45
861 Vocal Music	$390.00	$0.00	$0.00	$0.00	$390.00	$0.00	$390.00
875 PTO	$7,697.65	$0.00	$0.00	$494.82	$7,202.83	$0.00	$7,202.83
879 Yearbook	$2,300.00	$0.00	$0.00	$0.00	$2,300.00	$0.00	$2,300.00
890 Student Fundraiser/Paid Activities	$9,760.34	$0.00	$0.00	$3,120.88	$6,639.46	$0.00	$6,639.46
936 Picture Commissions	$317.70	$0.00	$0.00	$0.00	$317.70	$0.00	$317.70
956 Child Nutrition Receipts	$4,002.49	$0.00	$0.00	$4,002.49	$0.00	$0.00	$0.00
Total Unit - 175 TAFT ELEM SCHOOL	**$43,517.56**	**$0.00**	**$0.00**	**$8,103.19**	**$35,414.37**	**$0.00**	**$35,414.37**
Unit - 505 EMERSON MIDDLE SCHOOL							
806 Band	$8,464.74	$0.00	$0.00	$3,900.00	$4,564.74	$0.00	$4,564.74
807 Chromebook Maintenance-60	$940.00	$0.00	$0.00	$940.00	$0.00	$0.00	$0.00
819 Faculty Fund	$12,221.21	$0.00	$0.00	$0.00	$12,221.21	$0.00	$12,221.21
822 Teacher Awarded	$770.10	$0.00	$0.00	$0.00	$770.10	$0.00	$770.10
835 Library	$4,608.58	$0.00	$0.00	$0.00	$4,608.58	$0.00	$4,608.58
839 Honor Society (NJHS)	$1,304.40	$0.00	$0.00	$0.00	$1,304.40	$0.00	$1,304.40
842 Vending	$719.41	$0.00	$0.00	$0.00	$719.41	$0.00	$719.41
844 Orchestra	$1,821.44	$0.00	$0.00	$0.00	$1,821.44	$0.00	$1,821.44
856 Science Department	$176.35	$0.00	$0.00	$0.00	$176.35	$0.00	$176.35
859 Student Council - Leadership	$3,496.93	$0.00	$0.00	$0.00	$3,496.93	$0.00	$3,496.93
861 Vocal Music	$1,893.27	$0.00	$0.00	$0.00	$1,893.27	$0.00	$1,893.27
868 SpEd: Special Olympics	$8,650.11	$0.00	$0.00	$0.00	$8,650.11	$0.00	$8,650.11
879 Yearbook	$3,982.91	$0.00	$0.00	$0.00	$3,982.91	$0.00	$3,982.91
890 Student Fundraiser/Paid Activities	$5,105.03	$0.00	$0.00	$0.00	$5,105.03	$0.00	$5,105.03
906 STEM	$105.53	$0.00	$0.00	$0.00	$105.53	$0.00	$105.53
933 FCA	$240.54	$0.00	$0.00	$0.00	$240.54	$0.00	$240.54
938 Capital Improvements	$28.17	$0.00	$0.00	$0.00	$28.17	$0.00	$28.17
953 Guitar	$1,627.72	$0.00	$0.00	$0.00	$1,627.72	$0.00	$1,627.72
956 Child Nutrition Receipts	$3,814.80	$0.00	$0.00	$3,814.80	$0.00	$0.00	$0.00
962 Accelerated Reader	$3,415.95	$0.00	$0.00	$0.00	$3,415.95	$0.00	$3,415.95
Total Unit - 505 EMERSON MIDDLE SCHOOL	**$63,387.19**	**$0.00**	**$0.00**	**$8,654.80**	**$54,732.39**	**$0.00**	**$54,732.39**
Unit - 510 LONGFELLOW MIDDLE SCHOOL							
804 Art Department	$8,895.91	$0.00	$0.00	$0.00	$8,895.91	$0.00	$8,895.91
805 Athletics	$45,730.41	$0.00	$0.00	$0.00	$45,730.41	$0.00	$45,730.41
806 Band	$9,965.71	$0.00	$0.00	$0.00	$9,965.71	$0.00	$9,965.71
807 Chromebook Maintenance-60	$1,290.00	$20.00	$0.00	$1,310.00	$0.00	$0.00	$0.00
815 Debate/Speech	$52.97	$0.00	$0.00	$0.00	$52.97	$0.00	$52.97
819 Faculty Fund	$1,071.57	$0.00	$0.00	$0.00	$1,071.57	$0.00	$1,071.57
822 Teacher Awarded	$2,912.70	$0.00	$0.00	$0.00	$2,912.70	$0.00	$2,912.70
828 Live School Acct - LMS Only	$8,927.05	$0.00	$0.00	$186.36	$8,740.69	$0.00	$8,740.69
833 Outdoor Ed	$2,642.45	$0.00	$0.00	$0.00	$2,642.45	$0.00	$2,642.45
835 Library	$578.08	$0.00	$0.00	$0.00	$578.08	$0.00	$578.08
839 Honor Society (NJHS)	$651.51	$0.00	$0.00	$0.00	$651.51	$0.00	$651.51
842 Vending	$328.73	$0.00	$0.00	$0.00	$328.73	$0.00	$328.73
844 Orchestra	$480.42	$0.00	$0.00	$0.00	$480.42	$0.00	$480.42
848 Class Trips	$996.55	$0.00	$0.00	$369.26	$627.29	$0.00	$627.29

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 510 LONGFELLOW MIDDLE SCHOOL							
856 Science Department	$28.58	$0.00	$0.00	$0.00	$28.58	$0.00	$28.58
858 Food Pantry & Clothes Closet	$3,416.94	$0.00	$0.00	$0.00	$3,416.94	$0.00	$3,416.94
859 Student Council - Leadership	$1,121.67	$0.00	$0.00	$0.00	$1,121.67	$0.00	$1,121.67
861 Vocal Music	$2,041.45	$0.00	$0.00	$0.00	$2,041.45	$0.00	$2,041.45
871 PLTW--Media Club	$575.79	$0.00	$0.00	$0.00	$575.79	$0.00	$575.79
875 PTO	$12,665.82	$0.00	$0.00	$0.00	$12,665.82	$0.00	$12,665.82
879 Yearbook	$844.00	$0.00	$0.00	$0.00	$844.00	$0.00	$844.00
881 SpEd: Projects	$862.18	$0.00	$0.00	$0.00	$862.18	$0.00	$862.18
890 Student Fundraiser/Paid Activities	$419.29	$0.00	$0.00	$126.00	$293.29	$0.00	$293.29
936 Picture Commissions	$237.73	$0.00	$0.00	$0.00	$237.73	$0.00	$237.73
953 Guitar	$937.97	$0.00	$0.00	$0.00	$937.97	$0.00	$937.97
956 Child Nutrition Receipts	$4,440.60	$0.00	$0.00	$4,440.60	$0.00	$0.00	$0.00
Total Unit - 510 LONGFELLOW MIDDLE SCHOOL	**$112,116.08**	**$20.00**	**$0.00**	**$6,432.22**	**$105,703.86**	**$0.00**	**$105,703.86**
Unit - 515 WALLER MIDDLE SCHOOL							
804 Art Department	$16.45	$0.00	$0.00	$0.00	$16.45	$0.00	$16.45
805 Athletics	$47,633.23	$0.00	$0.00	$0.00	$47,633.23	$0.00	$47,633.23
806 Band	$22,076.23	$0.00	$0.00	$0.00	$22,076.23	$0.00	$22,076.23
807 Chromebook Maintenance-60	$1,130.00	$0.00	$0.00	$1,130.00	$0.00	$0.00	$0.00
814 Academic Team	$2.83	$0.00	$0.00	$0.00	$2.83	$0.00	$2.83
815 Debate/Speech	$4,030.95	$0.00	$0.00	$0.00	$4,030.95	$0.00	$4,030.95
816 Delta Theta/Mathematics	$627.98	$0.00	$0.00	$0.00	$627.98	$0.00	$627.98
819 Faculty Fund	$1,618.77	$0.00	$0.00	$0.00	$1,618.77	$0.00	$1,618.77
822 Teacher Awarded	$11,255.64	$0.00	$0.00	$543.66	$10,711.98	$0.00	$10,711.98
825 General Student	$3,253.92	$0.00	$0.00	$0.00	$3,253.92	$0.00	$3,253.92
826 FBLA (Future Bus. Leaders)	$1,351.35	$0.00	$0.00	$0.00	$1,351.35	$0.00	$1,351.35
835 Library	$3,657.30	$0.00	$0.00	$0.00	$3,657.30	$0.00	$3,657.30
839 Honor Society (NJHS)	$1,887.42	$0.00	$0.00	$68.69	$1,818.73	$0.00	$1,818.73
842 Vending	$2,100.97	$0.00	$0.00	$0.00	$2,100.97	$0.00	$2,100.97
844 Orchestra	$1,578.55	$0.00	$0.00	$0.00	$1,578.55	$0.00	$1,578.55
848 Class Trips	$47.59	$0.00	$0.00	$0.00	$47.59	$0.00	$47.59
849 Parent Booster Clubs	$1,396.88	$0.00	$0.00	$0.00	$1,396.88	$0.00	$1,396.88
856 Science Department	$246.23	$0.00	$0.00	$0.00	$246.23	$0.00	$246.23
858 Food Pantry & Clothes Closet	$1,810.43	$0.00	$0.00	$0.00	$1,810.43	$0.00	$1,810.43
859 Student Council - Leadership	$2,295.75	$0.00	$0.00	$0.00	$2,295.75	$0.00	$2,295.75
861 Vocal Music	$4,925.25	$0.00	$0.00	$0.00	$4,925.25	$0.00	$4,925.25
871 PLTW--Media Club	$729.37	$0.00	$0.00	$0.00	$729.37	$0.00	$729.37
879 Yearbook	$3,788.81	$0.00	$0.00	$0.00	$3,788.81	$0.00	$3,788.81
881 SpEd: Projects	$1,989.38	$0.00	$0.00	$0.00	$1,989.38	$0.00	$1,989.38
890 Student Fundraiser/Paid Activities	$1,324.27	$0.00	$0.00	$0.00	$1,324.27	$0.00	$1,324.27
916 eSports	$1,022.02	$0.00	$0.00	$0.00	$1,022.02	$0.00	$1,022.02
921 Computer Lab	$2,606.22	$0.00	$0.00	$0.00	$2,606.22	$0.00	$2,606.22
933 FCA	$40.99	$0.00	$0.00	$0.00	$40.99	$0.00	$40.99
936 Picture Commissions	$975.69	$0.00	$0.00	$0.00	$975.69	$0.00	$975.69
953 Guitar	$2,967.12	$0.00	$0.00	$0.00	$2,967.12	$0.00	$2,967.12
956 Child Nutrition Receipts	$36,949.20	$0.00	$0.00	$36,949.20	$0.00	$0.00	$0.00
961 Archery Club	$1,100.38	$0.00	$0.00	$0.00	$1,100.38	$0.00	$1,100.38
963 IT Club	$4,999.99	$0.00	$0.00	$0.00	$4,999.99	$0.00	$4,999.99
Total Unit - 515 WALLER MIDDLE SCHOOL	**$171,437.16**	**$0.00**	**$0.00**	**$38,691.55**	**$132,745.61**	**$0.00**	**$132,745.61**
Unit - 705 ENID HIGH SCHOOL							
801 Academic Recognition	$365.00	$0.00	$0.00	$0.00	$365.00	$0.00	$365.00
804 Art Department	$165.47	$0.00	$0.00	$0.00	$165.47	$0.00	$165.47
805 Athletics	($93,627.02)	$2,450.01	$0.00	$1,002.17	($92,179.18)	$0.00	($92,179.18)
806 Band	$30,329.61	$0.00	$0.00	$5,382.50	$24,947.11	$0.00	$24,947.11
807 Chromebook Maintenance-60	$1,689.69	$150.00	$0.00	$1,839.69	$0.00	$0.00	$0.00
808 Black Heritage Union	$1,962.27	$0.00	$0.00	$0.00	$1,962.27	$0.00	$1,962.27
811 Junior Class	$3,599.40	$0.00	$0.00	$1,023.39	$2,576.01	$0.00	$2,576.01

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 705 ENID HIGH SCHOOL							
812 Senior Class	$1,323.79	$0.00	$0.00	$0.00	$1,323.79	$0.00	$1,323.79
813 Clearing	$233.00	$52.00	$0.00	$285.00	$0.00	$0.00	$0.00
814 Academic Team	$83.75	$0.00	$0.00	$0.00	$83.75	$0.00	$83.75
815 Debate/Speech	$4,212.33	$0.00	$0.00	$0.00	$4,212.33	$0.00	$4,212.33
817 HISPANIC/LATINO CLUB	$285.00	$0.00	$0.00	$0.00	$285.00	$0.00	$285.00
819 Faculty Fund	$2,396.92	$0.00	$0.00	$181.18	$2,215.74	$0.00	$2,215.74
820 Concession Stand	$85,225.65	$2,700.00	$0.00	$6,621.27	$81,304.38	$0.00	$81,304.38
822 Teacher Awarded	$617.96	$0.00	$0.00	$0.00	$617.96	$0.00	$617.96
823 SpEd: Crafts	$4,103.22	$0.00	$0.00	$0.00	$4,103.22	$0.00	$4,103.22
824 Youth Entrepreneurs	$114.88	$0.00	$0.00	$0.00	$114.88	$0.00	$114.88
825 General Student	$8,362.74	$720.00	$0.00	$1,483.11	$7,599.63	$0.00	$7,599.63
827 Islander Club	$823.37	$0.00	$0.00	$0.00	$823.37	$0.00	$823.37
831 Musicals	$15,442.99	$0.00	$0.00	$365.14	$15,077.85	$0.00	$15,077.85
835 Library	$6,712.10	$136.54	$0.00	$171.54	$6,677.10	$0.00	$6,677.10
839 Honor Society (NJHS)	$1,633.73	$0.00	$0.00	$744.99	$888.74	$0.00	$888.74
840 NON EPS School	$43.53	$0.00	$0.00	$0.00	$43.53	$0.00	$43.53
841 Interest	($3,033.00)	$0.00	$0.00	$0.00	($3,033.00)	$0.00	($3,033.00)
842 Vending	$2,580.31	$30.78	$0.00	$0.00	$2,611.09	$0.00	$2,611.09
843 Student ID's	$2,277.74	$5.00	$0.00	$0.00	$2,282.74	$0.00	$2,282.74
844 Orchestra	$1,531.03	$0.00	$0.00	$0.00	$1,531.03	$0.00	$1,531.03
845 ROTC	$15,576.72	$0.00	$0.00	$350.70	$15,226.02	$0.00	$15,226.02
847 Physical Education	$81.22	$0.00	$0.00	$0.00	$81.22	$0.00	$81.22
848 Class Trips	$0.00	$0.00	$0.00	$250.00	($250.00)	$0.00	($250.00)
849 Parent Booster Clubs	$318,240.13	$51,712.00	$0.00	$110,367.82	$259,584.31	$0.00	$259,584.31
850 EHS Works	$319.28	$0.00	$0.00	$0.00	$319.28	$0.00	$319.28
856 Science Department	$280.46	$0.00	$0.00	$0.00	$280.46	$0.00	$280.46
859 Student Council - Leadership	$1,196.40	$0.00	$0.00	$0.00	$1,196.40	$0.00	$1,196.40
861 Vocal Music	$6,868.29	$1,821.00	$0.00	$1,698.82	$6,990.47	$0.00	$6,990.47
862 F.C.C.L.A.	$421.11	$350.00	$0.00	$0.00	$771.11	$0.00	$771.11
868 SpEd: Special Olympics	$987.55	$0.00	$0.00	$0.00	$987.55	$0.00	$987.55
872 Guidance	$1,510.31	$3,000.00	$0.00	$575.81	$3,934.50	$0.00	$3,934.50
875 PTO	$0.00	$0.00	$0.00	$217.43	($217.43)	$0.00	($217.43)
877 EPS Vision	$344.68	$0.00	$0.00	$0.00	$344.68	$0.00	$344.68
879 Yearbook	$4,334.45	$0.00	$0.00	$234.67	$4,099.78	$0.00	$4,099.78
880 SpEd: Lifeskills Planting	$555.00	$0.00	$0.00	$100.41	$454.59	$0.00	$454.59
881 SpEd: Projects	$1,698.25	$0.00	$0.00	$0.00	$1,698.25	$0.00	$1,698.25
882 Vision Seeker	$1,123.78	$0.00	$0.00	$0.00	$1,123.78	$0.00	$1,123.78
909 Agricultural Class	$5,119.10	$250.00	$0.00	$926.75	$4,442.35	$0.00	$4,442.35
916 eSports	$298.87	$0.00	$0.00	$0.00	$298.87	$0.00	$298.87
922 Aviation Club	$887.64	$0.00	$0.00	$0.00	$887.64	$0.00	$887.64
931 Teacher Cadet Club	$46.39	$0.00	$0.00	$0.00	$46.39	$0.00	$46.39
944 Elementary Boys Choir	$625.95	$0.00	$0.00	$0.00	$625.95	$0.00	$625.95
953 Guitar	$1,387.71	$0.00	$0.00	$0.00	$1,387.71	$0.00	$1,387.71
956 Child Nutrition Receipts	$87,827.41	$7.50	$0.00	$87,834.91	$0.00	$0.00	$0.00
986 DRIVERS EDUCATION TUITION	$10,000.00	$0.00	$0.00	$10,000.00	$0.00	$0.00	$0.00
Total Unit - 705 ENID HIGH SCHOOL	**$539,186.16**	**$63,384.83**	**$0.00**	**$231,657.30**	**$370,913.69**	**$0.00**	**$370,913.69**
Unit - 706 EHS GYM							
820 Concession Stand	$60,121.00	$0.00	$0.00	$0.00	$60,121.00	$0.00	$60,121.00
Total Unit - 706 EHS GYM	**$60,121.00**	**$0.00**	**$0.00**	**$0.00**	**$60,121.00**	**$0.00**	**$60,121.00**
Unit - 707 ADVANCE SOCCER COMPLEX							
805 Athletics	$4,240.00	$0.00	$0.00	$0.00	$4,240.00	$0.00	$4,240.00
Total Unit - 707 ADVANCE SOCCER COMPLEX	**$4,240.00**	**$0.00**	**$0.00**	**$0.00**	**$4,240.00**	**$0.00**	**$4,240.00**
Unit - 708 D. BRUCE SELBY STADIUM							
805 Athletics	$241,434.25	$0.00	$0.00	$7,492.80	$233,941.45	$0.00	$233,941.45
820 Concession Stand	$2,500.00	$0.00	$0.00	$7,925.00	($5,425.00)	$0.00	($5,425.00)
Total Unit - 708 D. BRUCE SELBY STADIUM	**$243,934.25**	**$0.00**	**$0.00**	**$15,417.80**	**$228,516.45**	**$0.00**	**$228,516.45**

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 60, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
Unit - 709 PACER SOFTBALL FIELD-MEADOWLAKE PARK							
805 Athletics	$20,967.00	$0.00	$0.00	$2,392.00	$18,575.00	$0.00	$18,575.00
820 Concession Stand	($90.26)	$0.00	$0.00	$0.00	($90.26)	$0.00	($90.26)
Total Unit - 709 PACER SOFTBALL FIELD-MEADOWLAKE PARK	**$20,876.74**	**$0.00**	**$0.00**	**$2,392.00**	**$18,484.74**	**$0.00**	**$18,484.74**
Unit - 711 DAVID ALLEN MEMORIAL BALLPARK							
805 Athletics	$44,521.00	$0.00	$0.00	$0.00	$44,521.00	$0.00	$44,521.00
820 Concession Stand	$50,775.75	$8,878.00	$0.00	$1,200.00	$58,453.75	$0.00	$58,453.75
840 NON EPS School	$7,937.00	$0.00	$0.00	$0.00	$7,937.00	$0.00	$7,937.00
Total Unit - 711 DAVID ALLEN MEMORIAL BALLPARK	**$103,233.75**	**$8,878.00**	**$0.00**	**$1,200.00**	**$110,911.75**	**$0.00**	**$110,911.75**
Unit - 712 STUDENT STORE HS							
960 Student Store	$9,928.68	$0.00	$0.00	$0.00	$9,928.68	$0.00	$9,928.68
Total Unit - 712 STUDENT STORE HS	**$9,928.68**	**$0.00**	**$0.00**	**$0.00**	**$9,928.68**	**$0.00**	**$9,928.68**
Unit - 771 NOC REGIONALS - DAVID ALLEN							
805 Athletics	$9,654.00	$0.00	$0.00	$0.00	$9,654.00	$0.00	$9,654.00
Total Unit - 771 NOC REGIONALS - DAVID ALLEN	**$9,654.00**	**$0.00**	**$0.00**	**$0.00**	**$9,654.00**	**$0.00**	**$9,654.00**
Unit - 772 OSSAA PLAYOFFS							
840 NON EPS School	$1,302.00	$0.00	$0.00	$0.00	$1,302.00	$0.00	$1,302.00
Total Unit - 772 OSSAA PLAYOFFS	**$1,302.00**	**$0.00**	**$0.00**	**$0.00**	**$1,302.00**	**$0.00**	**$1,302.00**
Unit - 773 GREAT AMERICAN CONFERENCE							
840 NON EPS School	$8,212.00	$0.00	$0.00	$6,106.56	$2,105.44	$0.00	$2,105.44
Total Unit - 773 GREAT AMERICAN CONFERENCE	**$8,212.00**	**$0.00**	**$0.00**	**$6,106.56**	**$2,105.44**	**$0.00**	**$2,105.44**
Unit - 774 NOC DAVID ALLEN							
805 Athletics	$399.00	$0.00	$0.00	$0.00	$399.00	$0.00	$399.00
840 NON EPS School	$18,520.34	$0.00	$0.00	$6,785.07	$11,735.27	$0.00	$11,735.27
Total Unit - 774 NOC DAVID ALLEN	**$18,919.34**	**$0.00**	**$0.00**	**$6,785.07**	**$12,134.27**	**$0.00**	**$12,134.27**
Unit - 775 MERRIFIELD TOURNAMENT							
805 Athletics	$4,195.00	$0.00	$0.00	$0.00	$4,195.00	$0.00	$4,195.00
840 NON EPS School	$14.00	$0.00	$0.00	$3,392.54	($3,378.54)	$0.00	($3,378.54)
Total Unit - 775 MERRIFIELD TOURNAMENT	**$4,209.00**	**$0.00**	**$0.00**	**$3,392.54**	**$816.46**	**$0.00**	**$816.46**
Unit - 777 GLADYS WINTERS							
805 Athletics	$5,577.00	$0.00	$0.00	$0.00	$5,577.00	$0.00	$5,577.00
Total Unit - 777 GLADYS WINTERS	**$5,577.00**	**$0.00**	**$0.00**	**$0.00**	**$5,577.00**	**$0.00**	**$5,577.00**
Unit - 798 JUNIOR COLLEGE WORLD SERIES (NJCAA) - DAVID ALLEN							
805 Athletics	$1,745.00	$0.00	$0.00	$0.00	$1,745.00	$0.00	$1,745.00
840 NON EPS School	$70,638.14	$12,510.00	$0.00	$51,566.53	$31,581.61	$0.00	$31,581.61
Total Unit - 798 JUNIOR COLLEGE WORLD SERIES (NJCAA) - DAVID ALLEN	**$72,383.14**	**$12,510.00**	**$0.00**	**$51,566.53**	**$33,326.61**	**$0.00**	**$33,326.61**
Total	**$1,953,573.79**	**$104,734.13**	**$0.00**	**$525,352.77**	**$1,532,955.15**	**$0.00**	**$1,532,955.15**

Enid Public Schools

Revenue/Expenditure Summary

Options: Fund: 67, Date Range: 6/1/2025 - 6/30/2025

	Begin Balance	Receipts	Adjusting Entries	Payments	Cash End Balance	Unpaid POs	End Balance
000 NON-CATEGORICAL EXP	$919.56	$0.00	$0.00	$0.00	$919.56	$0.00	$919.56
011 County Juvenile	$3,000.00	$0.00	$0.00	$0.00	$3,000.00	$0.00	$3,000.00
202 Nellie R. Johnson Scholarship	$12,983.55	$0.00	$0.00	$0.00	$12,983.55	$0.00	$12,983.55
205 Life's Example Award	$450.00	$0.00	$0.00	$0.00	$450.00	$0.00	$450.00
206 Charles Mehew Pioneer Spirit	$50.00	$0.00	$0.00	$0.00	$50.00	$0.00	$50.00
207 Lucyle Spicklemier Award	$919.68	$0.00	$0.00	$0.00	$919.68	$0.00	$919.68
208 Class of 1942 Scholarship	$7,981.73	$0.00	$0.00	$0.00	$7,981.73	$0.00	$7,981.73
210 DeKock Family Schorlarship	$6,500.63	$0.00	$0.00	$0.00	$6,500.63	$0.00	$6,500.63
211 EPS Foundation Library Grant	$112.32	$0.00	$0.00	$0.00	$112.32	$0.00	$112.32
212 Jackson Equity Education Trust	$1,226.23	$0.00	$0.00	$0.00	$1,226.23	$0.00	$1,226.23
213 Merrifield Scholarship	$500.00	$0.00	$0.00	$0.00	$500.00	$0.00	$500.00
214 Mustang Risin'	$35.25	$0.00	$0.00	$0.00	$35.25	$0.00	$35.25
217 Lori Michelle Boland Memorial	$5,550.25	$0.00	$0.00	$0.00	$5,550.25	$0.00	$5,550.25
218 OETT-OK Ed Tech Trust Grt	$4,552.47	$0.00	$0.00	$0.00	$4,552.47	$0.00	$4,552.47
221 Donations Supt Search	$197.00	$0.00	$0.00	$0.00	$197.00	$0.00	$197.00
222 Adams Art Donations-G.Davis	$84.58	$0.00	$0.00	$0.00	$84.58	$0.00	$84.58
223 Leta Corr Prof. Educator Sr Scholarship	$1,052.30	$0.00	$0.00	$0.00	$1,052.30	$0.00	$1,052.30
224 John A & Myrtle I Dickey Award	$500.00	$0.00	$0.00	$0.00	$500.00	$0.00	$500.00
225 Chisholm Trail Coalition	$1,381.43	$0.00	$0.00	$0.00	$1,381.43	$0.00	$1,381.43
226 PT / OT Donations	$227.04	$0.00	$0.00	$0.00	$227.04	$0.00	$227.04
227 Bob Costello Memorial Scholars	$1,000.00	$0.00	$0.00	$0.00	$1,000.00	$0.00	$1,000.00
228 Rotary Club-Grant/Scholarship	$3,463.24	$0.00	$0.00	$0.00	$3,463.24	$0.00	$3,463.24
229 Dan & Karen Randall Teacher Awards	$1,705.34	$0.00	$0.00	$0.00	$1,705.34	$0.00	$1,705.34
230 Paul & Thelma Baker Mem. Sch.	$58.02	$0.00	$0.00	$0.00	$58.02	$0.00	$58.02
232 Vision Seeker Scholarship	$8,911.21	$0.00	$0.00	$0.00	$8,911.21	$0.00	$8,911.21
234 Marie Pond Memorial Scholar.	$8,315.11	$0.00	$0.00	$0.00	$8,315.11	$0.00	$8,315.11
239 Waller PTSA Grant	$2,388.29	$0.00	$0.00	$0.00	$2,388.29	$0.00	$2,388.29
244 Coca Cola Scholarship	$51,823.74	$0.00	$0.00	$115.27	$51,708.47	$0.00	$51,708.47
247 Olive Maphet Traylor Endowment	$6,177.13	$0.00	$0.00	$0.00	$6,177.13	$0.00	$6,177.13
249 Dorice Allen Memorial	$5.97	$0.00	$0.00	$0.00	$5.97	$0.00	$5.97
282 Barnes-EHS Band Front Ensemble	$1,532.31	$0.00	$0.00	$0.00	$1,532.31	$0.00	$1,532.31
841 Interest	$2,163.08	$1.93	$0.00	$0.00	$2,165.01	$0.00	$2,165.01
Total	**$135,767.46**	**$1.93**	**$0.00**	**$115.27**	**$135,654.12**	**$0.00**	**$135,654.12**

We have prepared a quote for you

Enid Public Schools - 911Cellular Safety Platform

Quote # 018216
Version 1

Prepared for:

Enid Public Schools

Jeffery A. Herbel
jaherbel@enidk12.org

4325 SW 21st Street
Oklahoma City, OK 73108
www.digiss.com
405-5310073

Monday, July 07, 2025

Enid Public Schools
Jeffery A. Herbel
500 S Independence
Enid, OK 73701
jaherbel@enidk12.org

Dear Jeffery A.,

Enid Public Schools - 911 Cellular Platform

*****Quotation Covers 24 Sites******

Installation and support of the 911 Cellular Platform includes turnkey delivery of:

- Provide 600 BadgeR wearable duress buttons
- On-site training for first responders and site admins
- Digi project management and SOC training and Integration Services and Local Support of Programming and Vendor Management
- Provide licensing for 3 years for 600 wearables- Annual fee that supports portal, SMS and email alerting after activation.

We've provided optional pricing for (1) wall mounted duress button and associated subscription fee. This is not included in total price.

Matt Jones
Enterprise Account Manager
Oklahoma City

4325 SW 21st Street
Oklahoma City, OK 73108
www.digiss.com
405-5310073

DIGI SECURITY SYSTEMS

Wearable Duress Buttons, One Time Installation and Setup Fees

Description		Price	Qty	Ext. Price
BadgeR+ Wearable Duress Button-Hardware		$39.00	600	$23,400.00
Project-Management-Service	**Digi Project Management Services - SOC Integration Services/Enhanced Training**	$1,785.00	2	$3,570.00
System Configuration	**-Configure instance of Public Safety Cloud -Add initial portal user(s)**	$1,950.00	1	$1,950.00

Subtotal: **$28,920.00**

911 Cellular - Safety Platform - 3 Years

Description		Recurring	Price	Qty	Ext. Recurring	Ext. Price
Hardware Button Alert Subscription Fee	**Year 1 Annual fee that supports portal, SMS and email alerting after activation.**	$65.00	$65.00	600	$39,000.00	$39,000.00
Hardware Button Alert Subscription Fee	**Year 2 Annual fee that supports portal, SMS and email alerting after activation.**	$65.00	$65.00	600	$39,000.00	$39,000.00
Hardware Button Alert Subscription Fee	**Year 3 Annual fee that supports portal, SMS and email alerting after activation.**	$65.00	$65.00	600	$39,000.00	$39,000.00

Recurring Subtotal: **$117,000.00**

Subtotal: **$117,000.00**

Optional Wall Mounted Duress Button & Subcription Fee

* Optional

Description		Recurring	Price	Qty	Ext. Recurring	Ext. Price
Wall Mounted Duress Button Hardware	**-Blue enclosure (signifying life safety) -Completely wireless -Up to 1 year of battery between charges -USB-C chargeable -Low battery alerts**	$0.00	$234.65	1	$0.00	$234.65

4325 SW 21st Street
Oklahoma City, OK 73108
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405-5310073

DIGI SECURITY SYSTEMS

Optional Wall Mounted Duress Button & Subcription Fee

* Optional

Description		Recurring	Price	Qty	Ext. Recurring	Ext. Price
Hardware Button Alert Subscription Fee	**Annual fee that supports portal, SMS and email alerting after activation.**	$62.40	$62.40	1	$62.40	$62.40

* Optional Subtotal:	**$62.40**
* Optional Subtotal:	**$297.05**

4325 SW 21st Street
Oklahoma City, OK 73108
www.digiss.com
405-5310073

Enid Public Schools - 911Cellular Safety Platform

Prepared by:

Oklahoma City
Matt Jones
918-824-0296
Mattj@digiss.com

Prepared for:

Enid Public Schools
500 S Independence
Enid, OK 73701
Jeffery A. Herbel
(580) 366-7071
jaherbel@enidk12.org

Quote Information:

Quote #: 018216
Version: 1
Delivery Date: 07/07/2025
Expiration Date: 08/07/2025

Quote Summary

Description	Amount
Wearable Duress Buttons, One Time Installation and Setup Fees	$28,920.00
911 Cellular - Safety Platform - 3 Years	$117,000.00

Subtotal: **$145,920.00**
Shipping: **$125.00**
Total: **$146,045.00**

Recurring Expenses Summary

Description	Amount
911 Cellular - Safety Platform - 3 Years	$117,000.00

Recurring Total: **$117,000.00**

This quotation does not include applicable taxes unless specifically listed above. Acceptance of this quote or any purchase order generated as a result of this quote indicates acceptance of the Digi standard terms and conditions. The Digi standard terms and conditions can be found at www.digiss.com or a copy may be requested from your Digi representative. This proposal is valid for 30 days. Conduit, back boxes and hangers are excluded from this proposal unless specifically listed above. All 120v work is excluded from this proposal unless specifically listed. Any and all painting and patching is excluded. Asbestos work of any kind is excluded from this proposal. No cost for any required abatement is included in this proposal. Any cancellation or returns may be subject to a restocking fee and other charges, for which the Purchaser shall be responsible.

Oklahoma City

Signature: _____
Name: Matt Jones
Title: Enterprise Account Manager
Date: 07/07/2025

Enid Public Schools

Signature: _____
Name: Jeffery A. Herbel
Date: _____

911CELLULAR ADDENDUM

1. Integration. This 911Cellular Addendum ("**911C Addendum**") attached to that certain Master Services Agreement between the Digi Security Systems ("Company") and Enid Public Schools ("Customer") (the "**MSA**") constitutes a binding agreement between Company and Customer in accordance with the terms and conditions thereof. In the event any of the provisions of this 911C Addendum are in conflict with any of the provisions of the MSA, the terms and provisions of this 911C Addendum shall control.'

2. Definitions. The defined terms for this 911C Addendum and its attachments are set forth at: https://docs.google.com/document/d/1DNQ_Zr2S0bZU8eytOr1z6jxLohwjRa0lNpHmpzPm5hU/edit?usp=sharing

3. 911Cellular End User License Agreement.

3.1 Customer agrees to the following End User License Agreement ("EUL Agreement") between 911Cellular/Company ("Provider") and the person or entity ("User") that uses the 911Cellular emergency response device and/or software.

3.2 IF USER IS AN ENTITY ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON (I.E., EMPLOYEE, INDEPENDENT CONTRACTOR OR ENTITY REPRESENTATIVE, ETC.), COMPANY, OR OTHER LEGAL ENTITY, USER REPRESENTS AND WARRANTS THAT IT HAS FULL AUTHORITY TO BIND THAT PERSON, COMPANY OR LEGAL ENTITY TO THESE TERMS. IF USER DOES NOT HAVE AUTHORITY TO BIND SAID PERSON, COMPANY OR LEGAL ENTITY, DO NOT USE THE DEVICE, AND/OR SOFTWARE OR CLICK THE "I AGREE" BUTTON.

3.3 Use of the 911C Devices and Software.

(a) "911C Devices" include the Wall Mounted Panic Button, BadgeR+ Wifi Panic Button and Bluetooth Panic Button.

(b) "911C Software" is a mobile safety application and a cloud-based website service for public safety officials and app users. The 911C Service enables app users to signal for help, take photos and videos of crime tips and report them, set a safety timer and more.

(c) 911C Devices and 911C Software are hereafter collectively referred to as "911C Service".

(d) Provider grants User a personal, non-exclusive, non-commercial, non-transferable license to download, install and use the 911C Service on any mobile device that User owns or has rights to use with such download and use only in accordance with this EUL Agreement, which may be modified at any time at the sole discretion of Provider without any obligation to provide User with notice.

(e) THE 911C SERVICE IS NOT A REPLACEMENT FOR 911 EMERGENCY SERVICES AND SHOULD NOT BE USED AS SUCH. EVEN IF USER'S MOBILE DEVICE HAS CELLULAR SERVICE, THERE ARE MANY VARIABLES THAT PROVIDER HAS NO CONTROL OVER AND PROVIDER DOES NOT AND CANNOT GUARANTEE THAT DATA WILL BE TRANSMITTED PROMPTLY. IF YOU ARE IN IMMEDIATE DANGER OR ARE THE VICTIM OF A CRIME, YOU SHOULD CALL 911 OR THE APPROPRIATE LAW ENFORCEMENT PERSONNEL AND NOT RELY ON PROVIDERS 911C SERVICES. IF USER, THROUGH USER'S ORGANIZATION, HAS ACCESS TO A DEVICE IN CONJUNCTION WITH THE 911C SERVICES, USER ACKNOWLEDGES THAT (I) THE DEVICE DOES NOT WORK USING CELLULAR SERVICE AND (II) WILL ONLY WORK AS SPECIFIED WHEN CONNECTED TO ORGANIZATION'S WIFI NETWORK AT THE LICENSED SITE (AS DEFINED IN ORGANIZATION'S AGREEMENT).

3.4 Ownership.

(a) Except for User's personal information, the 911C Service and all materials therein, including, without limitation, software, text photos, graphics, logos, intellectual property, audio and video are the exclusive property of Provider and its licensors (if any). User agrees not to sell, license, rent, modify, distribute, copy, reproduce, transmit, publicly display, adapt, publish, edit or create derivative works from any Provider Content. Use of the Platform for any purpose not expressly permitted by this EUL Agreement is strictly prohibited.

(b) User may choose, or Provider may periodically ask User, to submit ideas and comments about the 911C Service, including, without limitation, how to improve the 911C Service. By submitting any idea or feedback, User agrees that User's disclosure is without restriction, gratuitous and will not place Provider under any obligation.

(c) If User provides Provider with any ideas or feedback whether orally, in writing, or in any other way, User grants Provider a non-exclusive, worldwide, royalty-free, sub-licensable and non-revocable license to develop, make, have made, reproduce, modify, make derivative works of, sell, and offer to sell ideas as part of Provider's 911C Services. Provider is free to use User's ideas or feedback without any additional compensation to User, and/or to disclose the ideas or feedback on a non-confidential basis to any third party.

(d) User acknowledges that, by acceptance of User's submission Provider does not waive any rights to use similar or related ideas previously known to Provider, or developed by its employees, or obtained from sources other than User.

3.5 Restrictions.

(a) User may not use the Platform for any purpose other than as set forth in this EUL Agreement. User may not copy, use, transfer or modify the Platform to any third party, in whole or in part, except as expressly provided in this EUL Agreement. User may not disassemble, translate, or reverse engineer the Platform or any code of the Platform, or otherwise attempt to access the Platform source code, or authorize any third-party to do any of the foregoing.

(b) The license granted hereunder is personal to the User, and any attempt by the User to transfer any of the rights, duties or obligations hereunder shall terminate this EUL Agreement and be void. The User may not loan, rent, lease or resell the Platform in any part, in any way. rent, lease, loan, resell, or distribute the Platform or any part thereof in any way.

3.6 Eligibility.

(a) The 911C Service is available only to individuals who are at least 18 years old and have otherwise achieved the age of adulthood in the applicable jurisdiction so as to be able to legally enter into this EUL Agreement. User represents and warrants that if User is an individual, User is of legal age to form a binding contract, and that all registration and other information User submits or provides to Provider is accurate and truthful.

(b) Provider may, at its sole discretion, refuse to offer the 911C Service to any person or entity. This provision is void where prohibited by law and the right to access the 911C Service is revoked in such jurisdictions. Provider may change its eligibility criteria at any time.

3.7 Privacy. Provider understands that private information is very important to its users. Provider takes its users' privacy very seriously. By visiting or using Provider's 911C Services, or by agreeing to the terms of this EUL Agreement, User agrees to the terms and conditions of the Provider's Privacy Policy. By using the 911C Service, User explicitly consents to Provider and its affiliate organizations use of any personally identifiable information about User collected by Provider that User provides.

3.8 Third-Party Links.

(a) The 911C Service may contain links to third-party websites, advertisers, services, special offers, or other events or activities that are not owned or controlled by Provider. Provider does not endorse or assume any responsibility for such third-party sites, materials, products or services.

(b) If User accesses a third party website from the 911C Service, User does so at User's own risk, and User understands that this EUL Agreement and Provider's Privacy Policy do not apply to User's use of such sites. User expressly relieves Provider from any and all liability arising from User's use of any third-party website, service, or content.

3.9 DISCLAIMER OF WARRANTIES; EXCLUSION OF WARRANTY. THE 911C SERVICE IS PROVIDED ON AN "AS IS" AND "AS AVAILABLE" BASIS. USE OF THE 911C SERVICE IS AT USER'S OWN RISK. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE 911C SERVICE IS PROVIDED WITHOUT WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. USER ACKNOWLEDGES AND AGREES THAT USE OF THE 911C SERVICE IS AT USER'S SOLE RISK AND THAT THE ENTIRE RISK AS TO SATISFACTORY QUALITY, ACCURACY AND PERFORMANCE, IS WITH USER. USER ACKNOWLEDGES THAT USE OF THE 911C SERVICE IS NOT A SUBSTITUTE FOR USER'S GOOD JUDGMENT AND THAT USER ASSUMES ANY AND ALL RISK ARISING FROM OR RELATED TO ANY SITUATION, EVENTS OR LOCATIONS IN WHICH USER PLACES HIMSELF/HERSELF WHEN USING OR ACCESSING THE 911C SERVICE. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, PROVIDER HEREBY DISCLAIMS ALL WARRANTIES AND CONDITIONS WITH RESPECT TO TECHNOLOGY AND 911C SERVICES, WHETHER EXPRESS, IMPLIED OR STATUTORY WARRANTIES OR REPRESENTATIONS OF ANY KIND. USER UNDERSTANDS AND AGREES THAT THERE IS NO GUARANTEE THAT THE 911C SERVICE WILL FUNCTION AS INTENDED, THAT ALL THE FUNCTIONALITY OR ANY FUNCTIONALITY WILL BE OPERATIONAL AT ALL TIMES. PROVIDER MAKES NO REPRESENTATIONS OR WARRANTIES THAT THE 911C SERVICE WILL ALWAYS OR EVER BE OPERATIONALLY AVAILABLE, AND USER ACKNOWLEDGES AS SUCH. USER RECOGNIZES THAT THERE ARE NUMEROUS FACTORS OUTSIDE OF PROVIDER'S CONTROL, INCLUDING BUT NOT LIMITED TO GPS ACCURACY, CELLULAR SIGNAL STRENGTH, CONDITION OF A WIRELESS DEVICE, MOBILE PROVIDER, DEVICE OPERATING SYSTEM AND POWER OUTAGES. PROVIDER MAKES NO REPRESENTATIONS OR WARRANTIES AS TO (i) THE ACCURACY OR VALIDITY OF ANY 911C SERVICES, OR (ii) WHETHER THE 911C SERVICES WILL BE FREE FROM INTERRUPTIONS, ERRORS OR BUGS, OR HARMFUL OR DANGEROUS CODE. PROVIDER MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER AND DISCLAIMS ALL SUCH WARRANTIES, INCLUDING EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR NON-INFRINGEMENT OF INTELLECTUAL PROPERTY RIGHTS RELATING TO THE 911C SERVICE.

3.10 LIMITATION OF LIABILITY. PROVIDER ACCEPTS NO LIABILITY OF ANY KIND FOR THE CONSEQUENCES OF USING THE 911C SERVICE OR THE FAILURE OF THE 911C SERVICE TO PRODUCE ANY INTENDED BENEFIT.EXCEPT AS SPECIFICALLY PROVIDED HEREIN AND TO EXTENT ALLOWABLE UNDER THE LAW, USER AGREES TO WAIVE AND NEITHER PROVIDER NOR PROVIDER'S AFFILIATES, AGENTS OR RESELLERS AND USER'S ORGANIZATION SHALL BE LIABLE FOR ANY CLAIM, DEMAND, ACTION, COSTS, EXPENSE OR DAMAGES ARISING FROM OR RELATING TO USER'S USE OF OR ACCESS TO THE 911C SERVICE AND ANY PERSONAL INJURY OR PROPERTY DAMAGE SUFFERED BY USER WHILE USING THE 911C SERVICE. PROVIDER ACCEPTS NO LIABILITY OF ANY KIND FOR THE CONSEQUENCES OF USING THE TECHNOLOGY OR THE FAILURE OF THE 911C SERVICE TO PRODUCE ANY INTENDED BENEFIT. PROVIDER'S TOTAL LIABILITY TO USER UNDER THIS EUL AGREEMENT SHALL BE LIMITED TO $100.

3.11 Indemnification. User agrees to indemnify and hold Provider, its officers, directors, employees, affiliates, subsidiaries, successors, assigns, directors, officers, agents, service providers, suppliers, employees, and representatives harmless from any and all claims, losses, demands, fines penalties, costs, and expenses including reasonable attorney fees and court costs, made by any third party due to or arising out of (i) User's violation of this EUL Agreement, (ii) User's violation of any applicable laws, (iii) User's unauthorized use of the 911C Service or (iv) User's violation of any intellectual property rights of a third party in connection with or arising out of User's download, access, and/or use of the Platform, including any content or services provided therein.

3.12 Termination. This EUL Agreement may be terminated immediately if User breaches any term of this EUL Agreement. Provider may terminate this EUL Agreement at any time or restrict or prevent User from accessing or using the 911C Service at any time, for any reason or no reason at all, without providing any notice whatsoever to User. Provider may also terminate this EUL Agreement in the event that the Organization's EUL Agreement is terminated. User may terminate this EUL Agreement at any time by notifying Provider in writing. Upon termination of this EUL Agreement, the license granted herein to User shall immediately terminate and User's access to the Platform shall immediately cease and User shall immediately cease all use of the Platform and remove all copies of the Platform and any related code from all electronic devices.

3.13 Compliance with Laws and Terms of Use. When using the 911C Service, User shall comply with all laws, rules, regulations and policies applicable to User, Provider and/or the 911C Service.

3.14 Governing Law. User agrees that the 911C Service shall be deemed solely based in Ohio; and the 911C Service shall be deemed a passive one that does not give rise to personal jurisdiction over Provider, either specific or general, in jurisdictions other than Ohio. This EUL Agreement shall be governed by the internal substantive laws of the State of Ohio, without respect to its conflict of laws principles. User agrees to submit to the personal jurisdiction of the federal and state courts located in Ohio for any actions for which Provider retains the right to seek injunctive or other equitable relief in a court of competent jurisdiction to prevent the actual or threatened infringement, misappropriation or violation of our copyrights, trademarks, trade secrets, patents, or other intellectual property or proprietary rights, as set forth in the Arbitration provision below.

3.15 Arbitration.

(a) For any dispute with Provider for 911C Services, User agrees to first contact Provider via email and attempt to resolve the dispute informally. In the event that the parties are not able to resolve a dispute, both parties agree to resolve any claim, controversy or dispute (not including Provider's claims for injunctive relief) in connection to this EUL Agreement using binding arbitration by the American Arbitration Association ("AAA") under the Commercial Arbitration Rules and Supplementary Procedures for Consumer Related Disputes then in effect for the AAA, except as provided herein. The arbitration will be conducted in Cleveland, Ohio unless User and Provider agree in writing otherwise. Each party will be responsible for paying any AAA filing, administrative and arbitrator fees in accordance with AAA rules. The award rendered by the arbitrator shall include costs of arbitration, reasonable attorneys' fees and reasonable costs for expert and other witnesses, and any judgment on the award rendered by the arbitrator may be entered in any court of competent jurisdiction. Nothing in this provision shall prevent either party from seeking injunctive or other equitable relief from the courts as necessary to prevent the actual or threatened infringement, misappropriation, or violation of that party's data, intellectual property rights, or other proprietary rights.

(b) ALL CLAIMS MUST BE BROUGHT IN THE PARTIES' INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY PURPORTED CLASS OR REPRESENTATIVE PROCEEDING. FURTHERMORE, THE ARBITRATOR MAY NOT CONSOLIDATE MORE THAN ONE PERSON'S CLAIMS. USER AGREES THAT, BY ENTERING INTO THIS EUL AGREEMENT, USER IS WAIVING THE RIGHT TO A TRIAL BY JURY AND TO PARTICIPATE IN A CLASS ACTION.

3.16 Severability. In the event that any one or more of the provisions of this EUL Agreement are held to be invalid or otherwise unenforceable, the enforceability of the remaining provisions shall be unimpaired and enforced to the full extent permitted by law.

3.17 Waiver. User agrees that no failure or delay of 911C in exercising any right, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise thereof preclude any other or further exercise thereof or the exercise of any other right, power, or privilege hereunder.

3.18 Order of Precedence. The terms of this Addendum shall apply to all Purchase Orders, Statement of Work(s) and other documents issued by Company and Customer in connection with 911C Software and 911C Devices. In the event of a conflict between this 911C Addendum and any subsequent Purchase Orders or Statement of Work(s) entered into by Customer and Company, the order of precedence and control shall be (1) this Addendum followed by any Purchase Order(s) and/or Statement of Work(s).

Acknowledged and Agreed by Customer:

Signature: _____

Name: _____

Title: _____

Date: _____

We have prepared a quote for you

Enid Public Schools - Card Reader Replacement Project-SiteOwl Services Removed

Quote # 015295
Version 1

Prepared for:

Enid Public Schools

Colton Summerall
chsummerall@enidk12.org

4325 SW 21st Street
Oklahoma City, OK 73108
www.digiss.com
405-5310073

Monday, July 07, 2025

Enid Public Schools
Colton Summerall
500 S Independence
Enid, OK 73701
chsummerall@enidk12.org

Dear Colton,

Enid Public Schools - Card Reader Replacement Project

Scope: Replace 145 Card Readers across multiple sites, Digi will replace existing mullion style readers with new mullion Signo Readers.
Digi will replace existing standard sized readers with new standard size Signo Readers. All existing Signo readers will be left in place and reused.

Digi will enable Open Supervised Device Protocol (OSDP) on all card readers for interoperability and improved security.

Digi has provided contingency for 10 card readers with installation labor in case any readers were missed in the discovery phase. This will only be invoiced if used during the project.

Digi will provide and replace Readers at the following Sites:

ASC Main Entry	Signo 40
ASC North East Door	Signo 40 terminal
ASC North West Door	Signo 40 terminal
Adams 03 Exterior Vestibule Doors	Signo 20
Adams 03 Interior Vestibule Doors	Signo 20
Adams 03 Office Door	Signo 20
Adams 07 Cafeteria Door	Signo 40 terminal
Adams 10 Playground Door	Signo 40 terminal
Adams 12 Addition East Door	Signo 40
Adams 14 Addition West Door	Signo 40
Adams elementary east vest.	Existing Signo 20
Adams elementary north playground door	Existing Signo 20
Carver 01 Front Door	Signo 40 terminal
Carver 03 Back Door	Signo 40 terminal
Central Kitchen 01 West Door	Signo 20
Central Kitchen Back Door	Signo 20
Cleveland Bus Door	Signo 40 terminal

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Oklahoma City, OK 73108
www.digiss.com
405-5310073

DIGI SECURITY SYSTEMS

Conrady - South Entry	Existing Signo 20
Coolidge - Door 14	Signo 20
Coolidge - East Courtyard	Existing Signo 20
Coolidge 06 NW Door	Signo 20
Coolidge 07 Cafeteria Door	Signo 20
Coolidge 17 East Door	Signo 40
Coolidge Door #5	Signo 20
Coolidge Door #7	Duplicate?
Coolidge Interior Vestibule Doors	Signo 20
Coolidge Office 1 Door	Signo 20
Coolidge Office 2 Door	Signo 20
Coolidge Office 3 Door	Signo 20
EHS 03 West Welcome Center Door	Signo 40 terminal
EHS 03 West Welcome Center Vestibule Door	Signo 20
EHS 07 Door	Signo 20
EHS 15 PAC South Band Room	Signo 40
EHS 16 PAC South Stairwell Entrance	Signo 40
EHS 20 PAC SE Front Entrance	Signo 40
EHS 21 PAC NE Front Entrance	Signo 40
EHS 24 UC Door Left	Signo 40 terminal
EHS 24 UC Vestibule Door	Signo 20
EHS 27 East Wing Door	Signo 20
EHS 28 Cafeteria Door	Signo 20
EHS 30 Annex North Door	Signo 20
EHS 31 Annex West Door	Signo 20
EHS 33 Annex Weight Room Door	Signo 40
EHS 455A Evidence Room Door Read In	Signo 40
EHS 455A Evidence Room Door Read Out	Signo 40
EHS Annex Door 32	Signo 20
EHS Elevator 1 0 Basement	Signo 20
EHS Elevator 1 1st Floor	Signo 20
EHS Elevator 1 2nd Floor	Signo 20
EHS Elevator 1 3rd Floor	Signo 20
EHS Elevator PAC 1	Signo 20
EHS Elevator PAC 2	Signo 20
EHS Elevator UC 1	Signo 20

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DIGI SECURITY SYSTEMS

EHS Elevator UC 2	Signo 20
EHS MDF Door Read in	Signo 40
EHS MDF Door Read Out	Signo 40
EHS UC NORTH ENTRY EXT DOOR	Signo 20
EHS UC SOUTH MAIN ENTRY EXT DOOR	Signo 40 terminal
EHS UC SOUTH MAIN ENTRY INT DOOR	Signo 20
Eisenhower 01 Front Door	Signo 40 terminal
Eisenhower Gym Door	Unknown
Eisenhower Kindergarten Door	Unknown
Eisenhower Office In	Signo 20
Eisenhower Office Out	Signo 20
Eisenhower Playground Door	Unknown
Emerson 03 Gym Door	Signo 20
Emerson 13 Cafeteria Door	Signo 40 terminal
Emerson 14 Annex North Double Doors Entry	Signo 20
Emerson 16 Front West Door	Signo 20
Emerson Elevator 1	Signo 20
Emerson Elevator 2	Signo 20
Emerson Elevator 3	Signo 20
Fowler 01 Door	Signo 20
Fowler 01 Vestibule Door	Signo 20
Fowler 04 Door	Signo 20
Garfield 05 Pod 4 Door	Signo 20
Garfield 10 Rear Door	Signo 20
Garfield 119 MDF Door Read in	Signo 20
Garfield 119 MDF Door Read out	Signo 20
Garfield 12 Pod 2 Door	Signo 20
Garfield 13 Daycare Door	Signo 20
Garfield- Secure Entry Into School	Signo 20
Glenwood 07 North Playground Door	Signo 20
Glenwood 09 West Playground Door	Signo 20
Glenwood 13 South Playground Door	Signo 20
Glenwood 17 Door #	Signo 20
Glenwood 18 Back Door	Signo 40 terminal
Glenwood Door #15	Signo 20

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Oklahoma City, OK 73108
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DIGI SECURITY SYSTEMS

Glenwood main int vest mag door	Signo 20
Hayes - East Front Entry	Signo 20
Hayes - East Playground	Signo 20
Hayes 05 Playground West Door	Signo 20
Hayes Cafeteria Door	Signo 40 terminal
Hayes Interior Vestibule Doors	Signo 20
Hayes PlayGround Door #7	Signo 20
Hoover 06 Cafeteria Door	Signo 40 terminal
Hoover 09 Playground Door	Signo 40 terminal
Hoover 11 Door	Signo 20
Hoover Courtyard Door	Signo 20
Hoover Vestibule Door	Signo 20
IT S1 Front Door	Signo 40 terminal
IT Server Door	Signo 40 terminal
IT W1 Back Door	Signo 40 terminal
Jans West Entry	Existing Signo 20
Lincoln Door	Signo 40 terminal
Longfellow 13 Rear Door	Signo 20
Longfellow 18 Gym Door	Signo 40
Longfellow Elevator 1	Signo 20
Longfellow Elevator 2	Signo 20
Longfellow Elevator 3	Signo 20
Longfellow Interior Vestibule Doors	Signo 20
Longfellow Main Entry Vestibule into building	Signo 20
McKinley 02 West Door	Signo 20
McKinley 03 Gym Door	Signo 20
McKinley Annex North (south) Door	Signo 20
McKinley Annex West Door	Signo 20
McKinley NE Visitor Entrance	Signo 40 Terminal
McKinley South Door #9(11)	Signo 40
McKinley- Main Int. Vestibule Doors	Signo 20
Monroe - 1# West Entry	Signo 20
Monroe 07 Playground NW Door	Signo 20
Monroe Cafeteria Door 3	Signo 20
Monroe Playground NE Door Door 5	Signo 20
Monroe- Door #13	Signo 20
Monroe- Door #9	Signo 20

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Prairie View 02 East Door	Signo 20
Prairie View 08 Rear Door	Signo 40 Terminal
Prairie View 09 Playground Door	Signo 20
Prairie View 10 West Door Main Hall	Signo 20
Prarie View Interior Door	Signo 20
S&R South East Door	Signo 40
S&R South West Door	Signo 40
SSC Back Door	Signo 40 Terminal
SSC Main Entry	Signo 40
SSC South Door	Signo 40 Terminal
Taft - Office to School	Signo 20
Taft - SE Entry	Signo 40
aft - Vest to Office	Signo 20
Taft - West Door	Signo 20
Taft 09 North Gym Door	Signo 20
Taft 12 South Gym Door	Signo 20
Waller 01 Vestibule Door	Signo 20
Waller 03 Faculty Parking Door	Signo 40
Waller 04 East Door	Signo 20
Waller 10 North Door	Signo 20
Waller 15 West Door	Signo 40
Waller Door Ext door # 2	Signo 20
Waller Door Vestibule to school (one)	Signo 20
Waller Elevator 1	Signo 20
Waller Elevator 2	Signo 20
Waller vestibule to school (door two)	Signo 20

Partner shall provide:

- Partner will need to provide necessary power for all devices associated to this project.
- Partner will need to provide access to all areas necessary for completion of this project.
- Partner will need to provide necessary space for installation of devices for this system.

Please contact me with any questions or concerns.
Thank you,

Matt Jones
Enterprise Account Manager
Oklahoma City

4325 SW 21st Street
Oklahoma City, OK 73108
www.digiss.com
405-5310073

DIGI SECURITY SYSTEMS

Card Readers

Description		Qty
SIGNO-20NKS-00-000000	**Signo20; Mullion; 13.56mHz &125kHz; OSDP/Wiegand; Pigtail; Mobile Ready; BLE**	97
SIGNO-40NKS-00-000000	**Signo40; Wall mount; 13.56mHz &125kHz; OSDP/Wiegand; Pigtail; Mobile Ready; BLE**	21
SIGNO-40TKS-00-000000	**Signo40; Wall mount; 13.56mHz &125kHz; OSDP/Wiegand; Terminal; Mobile Ready; BLE**	27

Subtotal: **$47,746.59**

Card Reader Contingency With Labor

Description		Qty
SIGNO-40TKS-00-000000	**Signo40; Wall mount; 13.56mHz &125kHz; OSDP/Wiegand; Terminal; Mobile Ready; BLE**	10
SENIOR TECH (FIRE & SECURITY)	**SENIOR TECH (FIRE & SECURITY)**	30
PERDIEM-TECH-DAY1	**Digi Travel Per-Diem/Hotel Charges - Per Tech Workday**	4
DSS-PRO-MAT	**Digi Professional Installation Materials - Reader Replacement Hardware**	10

Subtotal: **$7,158.90**

Cabling and Support Equipment

Product Details
Cabling - 22/6 - Plenum with J-Hooks Etc.

Subtotal: **$1,225.00**

Professional Installation Materials

Product Details	
DSS-PRO-MAT	**Digi Professional Installation Materials - Reader Replacement Hardware**

Subtotal: **$3,552.50**

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DIGI SECURITY SYSTEMS

Project Services

Product Details
SENIOR TECH (FIRE & SECURITY)
TECH (FIRE & SECURITY)
Digi Travel Per-Diem/Hotel Charges - Per Tech Workday

Subtotal: **$53,970.00**

4325 SW 21st Street
Oklahoma City, OK 73108
www.digiss.com
405-5310073

Enid Public Schools - Card Reader Replacement Project-SiteOwl Services Removed

Prepared by:

Oklahoma City
Matt Jones
918-824-0296
Mattj@digiss.com

Prepared for:

Enid Public Schools
500 S Independence
Enid, OK 73701
Colton Summerall
(903) 802-2974
chsummerall@enidk12.org

Quote Information:

Quote #: 015295
Version: 1
Delivery Date: 07/07/2025
Expiration Date: 08/07/2025

Quote Summary

Description	Amount
Card Readers	$47,746.59
Card Reader Contingency With Labor	$7,158.90
Cabling and Support Equipment	$1,225.00
Professional Installation Materials	$3,552.50
Project Services	$53,970.00

Subtotal:	**$113,652.99**
Shipping:	**$791.67**
Total:	**$114,444.66**

This quotation does not include applicable taxes unless specifically listed above. Acceptance of this quote or any purchase order generated as a result of this quote indicates acceptance of the Digi standard terms and conditions. The Digi standard terms and conditions can be found at www.digiss.com or a copy may be requested from your Digi representative. This proposal is valid for 30 days. Conduit, back boxes and hangers are excluded from this proposal unless specifically listed above. All 120v work is excluded from this proposal unless specifically listed. Any and all painting and patching is excluded. Asbestos work of any kind is excluded from this proposal. No cost for any required abatement is included in this proposal. Any cancellation or returns may be subject to a restocking fee and other charges, for which the Purchaser shall be responsible.

Oklahoma City

Signature: _____

Name: Matt Jones

Title: Enterprise Account Manager

Date: 07/07/2025

Enid Public Schools

Signature: _____

Name: Colton Summerall

Date: _____

AIA® Document A133® – 2019

Standard Form of Agreement Between Owner and Construction Manager as ***Constructor*** *where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price*

AGREEMENT made as of the First day of July in the year Two Thousand Twenty-Five
(In words, indicate day, month, and year.)

BETWEEN the Owner:
(Name, legal status, address, and other information)

The Independent School District 57 of Garfield County, Oklahoma
500 S. Independence
Enid, OK 73701

and the Construction Manager:
(Name, legal status, address, and other information)

Henson Construction Company
P.O. Box 3715
Enid, OK 73702

for the following Project:
(Name, location, and detailed description)

As amended in the Supplemental Schedule

The Architect:
(Name, legal status, address, and other information)

As amended in the Supplemental Schedule

The Owner and Construction Manager agree as follows.

ADDITIONS AND DELETIONS:
The author of this document may have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

AIA Document A201™–2017, General Conditions of the Contract for Construction, is adopted in this document by reference. Do not use with other general conditions unless this document is modified.

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TABLE OF ARTICLES

1 INITIAL INFORMATION

2 GENERAL PROVISIONS

3 CONSTRUCTION MANAGER'S RESPONSIBILITIES

4 OWNER'S RESPONSIBILITIES

5 COMPENSATION AND PAYMENTS FOR PRECONSTRUCTION PHASE SERVICES

6 COMPENSATION FOR CONSTRUCTION PHASE SERVICES

7 COST OF THE WORK FOR CONSTRUCTION PHASE

8 DISCOUNTS, REBATES, AND REFUNDS

9 SUBCONTRACTS AND OTHER AGREEMENTS

10 ACCOUNTING RECORDS

11 PAYMENTS FOR CONSTRUCTION PHASE SERVICES

12 DISPUTE RESOLUTION

13 TERMINATION OR SUSPENSION

14 MISCELLANEOUS PROVISIONS

15 SCOPE OF THE AGREEMENT

EXHIBIT A GUARANTEED MAXIMUM PRICE AMENDMENT
EXHIBIT B INSURANCE AND BONDS

ARTICLE 1 INITIAL INFORMATION

§ 1.1 This Agreement is based on the Initial Information set forth in this Section 1.1.
(For each item in this section, insert the information or a statement such as "not applicable" or "unknown at time of execution.")

§ 1.1.1 The Owner's program for the Project, as described in Section 4.1.1:
(Insert the Owner's program, identify documentation that establishes the Owner's program, or state the manner in which the program will be developed.)

§ 1.1.2 The Project's physical characteristics:
(Identify or describe pertinent information about the Project's physical characteristics, such as size; location; dimensions; geotechnical reports; site boundaries; topographic surveys; traffic and utility studies; availability of public and private utilities and services; legal description of the site, etc.)

§ 1.1.3 The Owner's budget for the Guaranteed Maximum Price, as defined in Article 6:
(Provide total and, if known, a line item breakdown.)

§ 1.1.4 The Owner's anticipated design and construction milestone dates:

.1 Design phase milestone dates, if any:

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.2 Construction commencement date:

.3 Substantial Completion date or dates:

.4 Other milestone dates:

§ 1.1.5 The Owner's requirements for accelerated or fast-track scheduling, or phased construction, are set forth below:
(Identify any requirements for fast-track scheduling or phased construction.)

§ 1.1.6 The Owner's anticipated Sustainable Objective for the Project:
(Identify and describe the Owner's Sustainable Objective for the Project, if any.)

§ 1.1.6.1 If the Owner identifies a Sustainable Objective, the Owner and Construction Manager shall complete and incorporate AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, into this Agreement to define the terms, conditions and services related to the Owner's Sustainable Objective. If E234–2019 is incorporated into this agreement, the Owner and Construction Manager shall incorporate the completed E234–2019 into the agreements with the consultants and contractors performing services or Work in any way associated with the Sustainable Objective.

§ 1.1.7 Other Project information:
(Identify special characteristics or needs of the Project not provided elsewhere.)

§ 1.1.8 The Owner identifies the following representative in accordance with Section 4.2:
(List name, address, and other contact information.)

Sam Robinson
500 S. Independence
Enid, OK 73701
(580) 366-7000
sjrobinson@enidK12.org

§ 1.1.9 The persons or entities, in addition to the Owner's representative, who are required to review the Construction Manager's submittals to the Owner are as follows:
(List name, address and other contact information.)

§ 1.1.10 The Owner shall retain the following consultants and contractors:
(List name, legal status, address, and other contact information.)

.1 Geotechnical Engineer:

.2 Civil Engineer:

.3 Other, if any:
(List any other consultants retained by the Owner, such as a Project or Program Manager.)

§ 1.1.11 The Architect's representative:
(List name, address, and other contact information.)

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§ 1.1.12 The Construction Manager identifies the following representative in accordance with Article 3:
(List name, address, and other contact information.)

Brian H. Henson
P.O. Box 3715
Enid, OK 73702
(580) 234-7229
brian@hensonconstruction.com

§ 1.1.13 The Owner's requirements for the Construction Manager's staffing plan for Preconstruction Services, as required under Section 3.1.9:
(List any Owner-specific requirements to be included in the staffing plan.)

§ 1.1.14 The Owner's requirements for subcontractor procurement for the performance of the Work:
(List any Owner-specific requirements for subcontractor procurement.)

§ 1.1.15 Other Initial Information on which this Agreement is based:

§ 1.2 The Owner and Construction Manager may rely on the Initial Information. Both parties, however, recognize that such information may materially change and, in that event, the Owner and the Construction Manager shall appropriately adjust the Project schedule, the Construction Manager's services, and the Construction Manager's compensation. The Owner shall adjust the Owner's budget for the Guaranteed Maximum Price and the Owner's anticipated design and construction milestones, as necessary, to accommodate material changes in the Initial Information.

§ 1.3 Neither the Owner's nor the Construction Manager's representative shall be changed without ten days' prior notice to the other party.

ARTICLE 2 GENERAL PROVISIONS

§ 2.1 The Contract Documents

The Contract Documents consist of this Agreement, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, Addenda issued prior to execution of this Agreement, other documents listed in this Agreement, and Modifications issued after execution of this Agreement, all of which form the Contract and are as fully a part of the Contract as if attached to this Agreement or repeated herein. Upon the Owner's acceptance of the Construction Manager's Guaranteed Maximum Price proposal, the Contract Documents will also include the documents described in Section 3.2.3 and identified in the Guaranteed Maximum Price Amendment and revisions prepared by the Architect and furnished by the Owner as described in Section 3.2.8. The Contract represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. If anything in the other Contract Documents, other than a Modification, is inconsistent with this Agreement, this Agreement shall govern. An enumeration of the Contract Documents, other than a Modification, appears in Article 15.

§ 2.2 Relationship of the Parties

The Construction Manager accepts the relationship of trust and confidence established by this Agreement and covenants with the Owner to cooperate with the Architect and exercise the Construction Manager's skill and judgment in furthering the interests of the Owner to furnish efficient construction administration, management services, and supervision; to furnish at all times an adequate supply of workers and materials; and to perform the Work in an expeditious and economical manner consistent with the Owner's interests. The Owner agrees to furnish or approve, in a timely manner, information required by the Construction Manager and to make payments to the Construction Manager in accordance with the requirements of the Contract Documents.

§ 2.3 General Conditions

§ 2.3.1 For the Preconstruction Phase, AIA Document A201™–2017, General Conditions of the Contract for Construction, shall apply as follows: Section 1.5, Ownership and Use of Documents; Section 1.7, Digital Data Use and Transmission; Section 1.8, Building Information Model Use and Reliance; Section 2.2.4, Confidential Information; Section 3.12.10, Professional Services; Section 10.3, Hazardous Materials; Section 13.1, Governing Law. The term "Contractor" as used in A201–2017 shall mean the Construction Manager.

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User Notes: (68599f66f941f7046099cab1)

§ 2.3.2 For the Construction Phase, the general conditions of the contract shall be as set forth in A201–2017, which document is incorporated herein by reference. The term "Contractor" as used in A201–2017 shall mean the Construction Manager.

ARTICLE 3 CONSTRUCTION MANAGER'S RESPONSIBILITIES

The Construction Manager's Preconstruction Phase responsibilities are set forth in Sections 3.1 and 3.2, and in the applicable provisions of A201-2017 referenced in Section 2.3.1. The Construction Manager's Construction Phase responsibilities are set forth in Section 3.3. The Owner and Construction Manager may agree, in consultation with the Architect, for the Construction Phase to commence prior to completion of the Preconstruction Phase, in which case, both phases will proceed concurrently. The Construction Manager shall identify a representative authorized to act on behalf of the Construction Manager with respect to the Project.

§ 3.1 Preconstruction Phase

§ 3.1.1 Extent of Responsibility

The Construction Manager shall exercise reasonable care in performing its Preconstruction Services. The Owner and Architect shall be entitled to rely on, and shall not be responsible for, the accuracy, completeness, and timeliness of services and information furnished by the Construction Manager. The Construction Manager, however, does not warrant or guarantee estimates and schedules except as may be included as part of the Guaranteed Maximum Price. The Construction Manager is not required to ascertain that the Drawings and Specifications are in accordance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, but the Construction Manager shall promptly report to the Architect and Owner any nonconformity discovered by or made known to the Construction Manager as a request for information in such form as the Architect may require.

§ 3.1.2 The Construction Manager shall provide a preliminary evaluation of the Owner's program, schedule and construction budget requirements, each in terms of the other.

§ 3.1.3 Consultation

§ 3.1.3.1 The Construction Manager shall schedule and conduct meetings with the Architect and Owner to discuss such matters as procedures, progress, coordination, and scheduling of the Work.

§ 3.1.3.2 The Construction Manager shall advise the Owner and Architect on proposed site use and improvements, selection of materials, building systems, and equipment. The Construction Manager shall also provide recommendations to the Owner and Architect, consistent with the Project requirements, on constructability; availability of materials and labor; time requirements for procurement, installation and construction; prefabrication; and factors related to construction cost including, but not limited to, costs of alternative designs or materials, preliminary budgets, life-cycle data, and possible cost reductions. The Construction Manager shall consult with the Architect regarding professional services to be provided by the Construction Manager during the Construction Phase.

§ 3.1.3.3 The Construction Manager shall assist the Owner and Architect in establishing written protocols for the development, use, transmission, reliance, and exchange of digital data, including building information models for the Project.

§ 3.1.4 Project Schedule

When Project requirements in Section 4.1.1 have been sufficiently identified, the Construction Manager shall prepare and periodically update a Project schedule for the Architect's review and the Owner's acceptance. The Construction Manager shall obtain the Architect's approval for the portion of the Project schedule relating to the performance of the Architect's services. The Project schedule shall coordinate and integrate the Construction Manager's services, the Architect's services, other Owner consultants' services, and the Owner's responsibilities; and identify items that affect the Project's timely completion. The updated Project schedule shall include the following: submission of the Guaranteed Maximum Price proposal; components of the Work; times of commencement and completion required of each Subcontractor; ordering and delivery of products, including those that must be ordered in advance of construction; and the occupancy requirements of the Owner.

§ 3.1.5 Phased Construction

The Construction Manager, in consultation with the Architect, shall provide recommendations with regard to accelerated or fast-track scheduling, procurement, and sequencing for phased construction. The Construction Manager shall take into consideration cost reductions, cost information, constructability, provisions for temporary facilities, and procurement and construction scheduling issues.

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§ 3.1.6 Cost Estimates

§ 3.1.6.1 Based on the preliminary design and other design criteria prepared by the Architect, the Construction Manager shall prepare, for the Architect's review and the Owner's approval, preliminary estimates of the Cost of the Work or the cost of program requirements using area, volume, or similar conceptual estimating techniques. If the Architect or Construction Manager suggests alternative materials and systems, the Construction Manager shall provide cost evaluations of those alternative materials and systems.

§ 3.1.6.2 As the Architect progresses with the preparation of the Schematic Design, Design Development and Construction Documents, the Construction Manager shall prepare and update, at appropriate intervals agreed to by the Owner, Construction Manager and Architect, an estimate of the Cost of the Work with increasing detail and refinement. The Construction Manager shall include in the estimate those costs to allow for the further development of the design, price escalation, and market conditions, until such time as the Owner and Construction Manager agree on a Guaranteed Maximum Price for the Work. The estimate shall be provided for the Architect's review and the Owner's approval. The Construction Manager shall inform the Owner and Architect in the event that the estimate of the Cost of the Work exceeds the latest approved Project budget, and make recommendations for corrective action.

§ 3.1.6.3 If the Architect is providing cost estimating services as a Supplemental Service, and a discrepancy exists between the Construction Manager's cost estimates and the Architect's cost estimates, the Construction Manager and the Architect shall work together to reconcile the cost estimates.

§ 3.1.7 As the Architect progresses with the preparation of the Schematic Design, Design Development and Construction Documents, the Construction Manager shall consult with the Owner and Architect and make recommendations regarding constructability and schedules, for the Architect's review and the Owner's approval.

§ 3.1.8 The Construction Manager shall provide recommendations and information to the Owner and Architect regarding equipment, materials, services, and temporary Project facilities.

§ 3.1.9 The Construction Manager shall provide a staffing plan for Preconstruction Phase services for the Owner's review and approval.

§ 3.1.10 If the Owner identified a Sustainable Objective in Article 1, the Construction Manager shall fulfill its Preconstruction Phase responsibilities as required in AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, attached to this Agreement.

§ 3.1.11 Subcontractors and Suppliers

§ 3.1.11.1 If the Owner has provided requirements for subcontractor procurement in section 1.1.14, the Construction Manager shall provide a subcontracting plan, addressing the Owner's requirements, for the Owner's review and approval.

§ 3.1.11.2 The Construction Manager shall develop bidders' interest in the Project.

§ 3.1.11.3 The processes described in Article 9 shall apply if bid packages will be issued during the Preconstruction Phase.

§ 3.1.12 Procurement

The Construction Manager shall prepare, for the Architect's review and the Owner's acceptance, a procurement schedule for items that must be ordered in advance of construction. The Construction Manager shall expedite and coordinate the ordering and delivery of materials that must be ordered in advance of construction. If the Owner agrees to procure any items prior to the establishment of the Guaranteed Maximum Price, the Owner shall procure the items on terms and conditions acceptable to the Construction Manager. Upon the establishment of the Guaranteed Maximum Price, the Owner shall assign all contracts for these items to the Construction Manager and the Construction Manager shall thereafter accept responsibility for them.

§ 3.1.13 Compliance with Laws

The Construction Manager shall comply with applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to its performance under this Contract, and with equal employment opportunity programs, and other programs as may be required by governmental and quasi-governmental authorities.

§ 3.1.14 Other Preconstruction Services

Insert a description of any other Preconstruction Phase services to be provided by the Construction Manager, or reference

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an exhibit attached to this document
(Describe any other Preconstruction Phase services, such as providing cash flow projections, development of a project information management system, early selection or procurement of subcontractors, etc.)

§ 3.2 Guaranteed Maximum Price Proposal

§ 3.2.1 At a time to be mutually agreed upon by the Owner and the Construction Manager, the Construction Manager shall prepare a Guaranteed Maximum Price proposal for the Owner's and Architect's review, and the Owner's acceptance. The Guaranteed Maximum Price in the proposal shall be the sum of the Construction Manager's estimate of the Cost of the Work, the Construction Manager's contingency described in Section 3.2.4, and the Construction Manager's Fee described in Section 6.1.2.

§ 3.2.2 To the extent that the Contract Documents are anticipated to require further development, the Guaranteed Maximum Price includes the costs attributable to such further development consistent with the Contract Documents and reasonably inferable therefrom. Such further development does not include changes in scope, systems, kinds and quality of materials, finishes, or equipment, all of which, if required, shall be incorporated by Change Order.

§ 3.2.3 The Construction Manager shall include with the Guaranteed Maximum Price proposal a written statement of its basis, which shall include the following:

.1 A list of the Drawings and Specifications, including all Addenda thereto, and the Conditions of the Contract;

.2 A list of the clarifications and assumptions made by the Construction Manager in the preparation of the Guaranteed Maximum Price proposal, including assumptions under Section 3.2.2;

.3 A statement of the proposed Guaranteed Maximum Price, including a statement of the estimated Cost of the Work organized by trade categories or systems, including allowances; the Construction Manager's contingency set forth in Section 3.2.4; and the Construction Manager's Fee;

.4 The anticipated date of Substantial Completion upon which the proposed Guaranteed Maximum Price is based; and

.5 A date by which the Owner must accept the Guaranteed Maximum Price.

§ 3.2.4 In preparing the Construction Manager's Guaranteed Maximum Price proposal, the Construction Manager shall include a contingency for the Construction Manager's exclusive use to cover those costs that are included in the Guaranteed Maximum Price but not otherwise allocated to another line item or included in a Change Order.

§ 3.2.5 The Construction Manager shall meet with the Owner and Architect to review the Guaranteed Maximum Price proposal. In the event that the Owner or Architect discover any inconsistencies or inaccuracies in the information presented, they shall promptly notify the Construction Manager, who shall make appropriate adjustments to the Guaranteed Maximum Price proposal, its basis, or both.

§ 3.2.6 If the Owner notifies the Construction Manager that the Owner has accepted the Guaranteed Maximum Price proposal in writing before the date specified in the Guaranteed Maximum Price proposal, the Guaranteed Maximum Price proposal shall be deemed effective without further acceptance from the Construction Manager. Following acceptance of a Guaranteed Maximum Price, the Owner and Construction Manager shall execute the Guaranteed Maximum Price Amendment amending this Agreement, a copy of which the Owner shall provide to the Architect. The Guaranteed Maximum Price Amendment shall set forth the agreed upon Guaranteed Maximum Price with the information and assumptions upon which it is based.

§ 3.2.7 The Construction Manager shall not incur any cost to be reimbursed as part of the Cost of the Work prior to the execution of the Guaranteed Maximum Price Amendment, unless the Owner provides prior written authorization for such costs.

§ 3.2.8 The Owner shall authorize preparation of revisions to the Contract Documents that incorporate the agreed-upon assumptions and clarifications contained in the Guaranteed Maximum Price Amendment. The Owner shall promptly furnish such revised Contract Documents to the Construction Manager. The Construction Manager shall notify the Owner and Architect of any inconsistencies between the agreed-upon assumptions and clarifications contained in the Guaranteed Maximum Price Amendment and the revised Contract Documents.

§ 3.2.9 The Construction Manager shall include in the Guaranteed Maximum Price all sales, consumer, use and similar taxes for the Work provided by the Construction Manager that are legally enacted, whether or not yet effective, at the time

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the Guaranteed Maximum Price Amendment is executed.

§ 3.3 Construction Phase

§ 3.3.1 General

§ 3.3.1.1 For purposes of Section 8.1.2 of A201–2017, the date of commencement of the Work shall mean the date of commencement of the Construction Phase.

§ 3.3.1.2 The Construction Phase shall commence upon the Owner's execution of the Guaranteed Maximum Price Amendment or, prior to acceptance of the Guaranteed Maximum Price proposal, by written agreement of the parties. The written agreement shall set forth a description of the Work to be performed by the Construction Manager, and any insurance and bond requirements for Work performed prior to execution of the Guaranteed Maximum Price Amendment.

§ 3.3.2 Administration

§ 3.3.2.1 The Construction Manager shall schedule and conduct meetings to discuss such matters as procedures, progress, coordination, scheduling, and status of the Work. The Construction Manager shall prepare and promptly distribute minutes of the meetings to the Owner and Architect.

§ 3.3.2.2 Upon the execution of the Guaranteed Maximum Price Amendment, the Construction Manager shall prepare and submit to the Owner and Architect a construction schedule for the Work and a submittal schedule in accordance with Section 3.10 of A201–2017.

§ 3.3.2.3 Monthly Report

The Construction Manager shall record the progress of the Project. On a monthly basis, or otherwise as agreed to by the Owner, the Construction Manager shall submit written progress reports to the Owner and Architect, showing percentages of completion and other information required by the Owner.

§ 3.3.2.4 Daily Logs

The Construction Manager shall keep, and make available to the Owner and Architect, a daily log containing a record for each day of weather, portions of the Work in progress, number of workers on site, identification of equipment on site, problems that might affect progress of the work, accidents, injuries, and other information required by the Owner.

§ 3.3.2.5 Cost Control

The Construction Manager shall develop a system of cost control for the Work, including regular monitoring of actual costs for activities in progress and estimates for uncompleted tasks and proposed changes. The Construction Manager shall identify variances between actual and estimated costs and report the variances to the Owner and Architect, and shall provide this information in its monthly reports to the Owner and Architect, in accordance with Section 3.3.2.3 above.

ARTICLE 4 OWNER'S RESPONSIBILITIES

§ 4.1 Information and Services Required of the Owner

§ 4.1.1 The Owner shall provide information with reasonable promptness, regarding requirements for and limitations on the Project, including a written program which shall set forth the Owner's objectives, constraints, and criteria, including schedule, space requirements and relationships, flexibility and expandability, special equipment, systems, sustainability and site requirements.

§ 4.1.2 Prior to the execution of the Guaranteed Maximum Price Amendment, the Construction Manager may request in writing that the Owner provide reasonable evidence that the Owner has made financial arrangements to fulfill the Owner's obligations under the Contract. After execution of the Guaranteed Maximum Price Amendment, the Construction Manager may request such information as set forth in A201-2017 Section 2.2.

§ 4.1.3 The Owner shall establish and periodically update the Owner's budget for the Project, including (1) the budget for the Cost of the Work as defined in Article 7, (2) the Owner's other costs, and (3) reasonable contingencies related to all of these costs. If the Owner significantly increases or decreases the Owner's budget for the Cost of the Work, the Owner shall notify the Construction Manager and Architect. The Owner and the Architect, in consultation with the Construction Manager, shall thereafter agree to a corresponding change in the Project's scope and quality.

§ 4.1.4 Structural and Environmental Tests, Surveys and Reports. During the Preconstruction Phase, the Owner shall furnish the following information or services with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Construction Manager's performance of the Work with reasonable promptness after receiving the Construction Manager's written request for such information or services.

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The Construction Manager shall be entitled to rely on the accuracy of information and services furnished by the Owner but shall exercise proper precautions relating to the safe performance of the Work.

§ 4.1.4.1 The Owner shall furnish tests, inspections, and reports, required by law and as otherwise agreed to by the parties, such as structural, mechanical, and chemical tests, tests for air and water pollution, and tests for hazardous materials.

§ 4.1.4.2 The Owner shall furnish surveys describing physical characteristics, legal limitations and utility locations for the site of the Project, and a written legal description of the site. The surveys and legal information shall include, as applicable, grades and lines of streets, alleys, pavements and adjoining property and structures; designated wetlands; adjacent drainage; rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries and contours of the site; locations, dimensions and other necessary data with respect to existing buildings, other improvements and trees; and information concerning available utility services and lines, both public and private, above and below grade, including inverts and depths. All the information on the survey shall be referenced to a Project benchmark.

§ 4.1.4.3 The Owner, when such services are requested, shall furnish services of geotechnical engineers, which may include test borings, test pits, determinations of soil bearing values, percolation tests, evaluations of hazardous materials, seismic evaluation, ground corrosion tests and resistivity tests, including necessary operations for anticipating subsoil conditions, with written reports and appropriate recommendations.

§ 4.1.5 During the Construction Phase, the Owner shall furnish information or services required of the Owner by the Contract Documents with reasonable promptness. The Owner shall also furnish any other information or services under the Owner's control and relevant to the Construction Manager's performance of the Work with reasonable promptness after receiving the Construction Manager's written request for such information or services.

§ 4.1.6 If the Owner identified a Sustainable Objective in Article 1, the Owner shall fulfill its responsibilities as required in AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, attached to this Agreement.

§ 4.2 Owner's Designated Representative

The Owner shall identify a representative authorized to act on behalf of the Owner with respect to the Project. The Owner's representative shall render decisions promptly and furnish information expeditiously, so as to avoid unreasonable delay in the services or Work of the Construction Manager. Except as otherwise provided in Section 4.2.1 of A201–2017, the Architect does not have such authority. The term "Owner" means the Owner or the Owner's authorized representative.

§ 4.2.1 Legal Requirements. The Owner shall furnish all legal, insurance and accounting services, including auditing services, that may be reasonably necessary at any time for the Project to meet the Owner's needs and interests.

§ 4.3 Architect

The Owner shall retain an Architect to provide services, duties and responsibilities as described in AIA Document B133™–2019, Standard Form of Agreement Between Owner and Architect, Construction Manager as Constructor Edition, including any additional services requested by the Construction Manager that are necessary for the Preconstruction and Construction Phase services under this Agreement. The Owner shall provide the Construction Manager with a copy of the scope of services in the executed agreement between the Owner and the Architect, and any further modifications to the Architect's scope of services in the agreement.

ARTICLE 5 COMPENSATION AND PAYMENTS FOR PRECONSTRUCTION PHASE SERVICES

§ 5.1 Compensation

§ 5.1.1 For the Construction Manager's Preconstruction Phase services described in Sections 3.1 and 3.2, the Owner shall compensate the Construction Manager as follows:

(Insert amount of, or basis for, compensation and include a list of reimbursable cost items, as applicable.)

See Exhibit B

§ 5.1.2 The hourly billing rates for Preconstruction Phase services of the Construction Manager and the Construction Manager's Consultants and Subcontractors, if any, are set forth below.

(If applicable, attach an exhibit of hourly billing rates or insert them below.)

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Individual or Position	Rate

§ 5.1.2.1 Hourly billing rates for Preconstruction Phase services include all costs to be paid or incurred by the Construction Manager, as required by law or collective bargaining agreements, for taxes, insurance, contributions, assessments and benefits and, for personnel not covered by collective bargaining agreements, customary benefits such as sick leave, medical and health benefits, holidays, vacations and pensions, and shall remain unchanged unless the parties execute a Modification.

§ 5.1.3 If the Preconstruction Phase services covered by this Agreement have not been completed within ( ) months of the date of this Agreement, through no fault of the Construction Manager, the Construction Manager's compensation for Preconstruction Phase services shall be equitably adjusted.

§ 5.2 Payments

§ 5.2.1 Unless otherwise agreed, payments for services shall be made monthly in proportion to services performed.

§ 5.2.2 Payments are due and payable upon presentation of the Construction Manager's invoice. Amounts unpaid Thirty (30) days after the invoice date shall bear interest at the rate entered below, or in the absence thereof at the legal rate prevailing from time to time at the principal place of business of the Construction Manager.
(Insert rate of monthly or annual interest agreed upon.)

7.00 % per annum

ARTICLE 6 COMPENSATION FOR CONSTRUCTION PHASE SERVICES

§ 6.1 Contract Sum

§ 6.1.1 The Owner shall pay the Construction Manager the Contract Sum in current funds for the Construction Manager's performance of the Contract after execution of the Guaranteed Maximum Price Amendment. The Contract Sum is the Cost of the Work as defined in Article 7 plus the Construction Manager's Fee.

§ 6.1.2 The Construction Manager's Fee:
(State a lump sum, percentage of Cost of the Work or other provision for determining the Construction Manager's Fee.)

See Exhibit B

§ 6.1.3 The method of adjustment of the Construction Manager's Fee for changes in the Work:

§ 6.1.4 Limitations, if any, on a Subcontractor's overhead and profit for increases in the cost of its portion of the Work:

§ 6.1.5 Rental rates for Construction Manager-owned equipment shall not exceed percent (%) of the standard rental rate paid at the place of the Project.

§ 6.1.6 Liquidated damages, if any:
(Insert terms and conditions for liquidated damages, if any.)

§ 6.1.7 Other:
(Insert provisions for bonus, cost savings or other incentives, if any, that might result in a change to the Contract Sum.)

§ 6.2 Guaranteed Maximum Price

The Construction Manager guarantees that the Contract Sum shall not exceed the Guaranteed Maximum Price set forth in the Guaranteed Maximum Price Amendment, subject to additions and deductions by Change Order as provided in the Contract Documents. Costs which would cause the Guaranteed Maximum Price to be exceeded shall be paid by the Construction Manager without reimbursement by the Owner.

§ 6.3 Changes in the Work

§ 6.3.1 The Owner may, without invalidating the Contract, order changes in the Work within the general scope of the

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Contract consisting of additions, deletions or other revisions. The Owner shall issue such changes in writing. The Construction Manager may be entitled to an equitable adjustment in the Contract Time as a result of changes in the Work.

§ 6.3.1.1 The Architect may order minor changes in the Work as provided in Article 7 of AIA Document A201–2017, General Conditions of the Contract for Construction.

§ 6.3.2 Adjustments to the Guaranteed Maximum Price on account of changes in the Work subsequent to the execution of the Guaranteed Maximum Price Amendment may be determined by any of the methods listed in Article 7 of AIA Document A201–2017, General Conditions of the Contract for Construction.

§ 6.3.3 Adjustments to subcontracts awarded on the basis of a stipulated sum shall be determined in accordance with Article 7 of A201–2017, as they refer to "cost" and "fee," and not by Articles 6 and 7 of this Agreement. Adjustments to subcontracts awarded with the Owner's prior written consent on the basis of cost plus a fee shall be calculated in accordance with the terms of those subcontracts.

§ 6.3.4 In calculating adjustments to the Guaranteed Maximum Price, the terms "cost" and "costs" as used in Article 7 of AIA Document A201–2017 shall mean the Cost of the Work as defined in Article 7 of this Agreement and the term "fee" shall mean the Construction Manager's Fee as defined in Section 6.1.2 of this Agreement.

§ 6.3.5 If no specific provision is made in Section 6.1.3 for adjustment of the Construction Manager's Fee in the case of changes in the Work, or if the extent of such changes is such, in the aggregate, that application of the adjustment provisions of Section 6.1.3 will cause substantial inequity to the Owner or Construction Manager, the Construction Manager's Fee shall be equitably adjusted on the same basis that was used to establish the Fee for the original Work, and the Guaranteed Maximum Price shall be adjusted accordingly.

ARTICLE 7 COST OF THE WORK FOR CONSTRUCTION PHASE

§ 7.1 Costs to Be Reimbursed

§ 7.1.1 The term Cost of the Work shall mean costs necessarily incurred by the Construction Manager in the proper performance of the Work. The Cost of the Work shall include only the items set forth in Sections 7.1 through 7.7.

§ 7.1.2 Where, pursuant to the Contract Documents, any cost is subject to the Owner's prior approval, the Construction Manager shall obtain such approval in writing prior to incurring the cost.

§ 7.1.3 Costs shall be at rates not higher than the standard rates paid at the place of the Project, except with prior approval of the Owner.

§ 7.2 Labor Costs

§ 7.2.1 Wages or salaries of construction workers directly employed by the Construction Manager to perform the construction of the Work at the site or, with the Owner's prior approval, at off-site workshops.

§ 7.2.2 Wages or salaries of the Construction Manager's supervisory and administrative personnel when stationed at the site and performing Work, with the Owner's prior approval.

§ 7.2.2.1 Wages or salaries of the Construction Manager's supervisory and administrative personnel when performing Work and stationed at a location other than the site, but only for that portion of time required for the Work, and limited to the personnel and activities listed below:
(Identify the personnel, type of activity and, if applicable, any agreed upon percentage of time to be devoted to the Work.)

See Exhibit B

§ 7.2.3 Wages and salaries of the Construction Manager's supervisory or administrative personnel engaged at factories, workshops or while traveling, in expediting the production or transportation of materials or equipment required for the Work, but only for that portion of their time required for the Work.

§ 7.2.4 Costs paid or incurred by the Construction Manager, as required by law or collective bargaining agreements, for taxes, insurance, contributions, assessments and benefits and, for personnel not covered by collective bargaining agreements, customary benefits such as sick leave, medical and health benefits, holidays, vacations and pensions, provided such costs are based on wages and salaries included in the Cost of the Work under Sections 7.2.1 through 7.2.3.

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§ 7.2.5 If agreed rates for labor costs, in lieu of actual costs, are provided in this Agreement, the rates shall remain unchanged throughout the duration of this Agreement, unless the parties execute a Modification.

§ 7.3 Subcontract Costs

Payments made by the Construction Manager to Subcontractors in accordance with the requirements of the subcontracts and this Agreement.

§ 7.4 Costs of Materials and Equipment Incorporated in the Completed Construction

§ 7.4.1 Costs, including transportation and storage at the site, of materials and equipment incorporated, or to be incorporated, in the completed construction.

§ 7.4.2 Costs of materials described in the preceding Section 7.4.1 in excess of those actually installed to allow for reasonable waste and spoilage. Unused excess materials, if any, shall become the Owner's property at the completion of the Work or, at the Owner's option, shall be sold by the Construction Manager. Any amounts realized from such sales shall be credited to the Owner as a deduction from the Cost of the Work.

§ 7.5 Costs of Other Materials and Equipment, Temporary Facilities and Related Items

§ 7.5.1 Costs of transportation, storage, installation, dismantling, maintenance, and removal of materials, supplies, temporary facilities, machinery, equipment and hand tools not customarily owned by construction workers that are provided by the Construction Manager at the site and fully consumed in the performance of the Work. Costs of materials, supplies, temporary facilities, machinery, equipment, and tools, that are not fully consumed, shall be based on the cost or value of the item at the time it is first used on the Project site less the value of the item when it is no longer used at the Project site. Costs for items not fully consumed by the Construction Manager shall mean fair market value.

§ 7.5.2 Rental charges for temporary facilities, machinery, equipment, and hand tools not customarily owned by construction workers that are provided by the Construction Manager at the site, and the costs of transportation, installation, dismantling, minor repairs, and removal of such temporary facilities, machinery, equipment, and hand tools. Rates and quantities of equipment owned by the Construction Manager, or a related party as defined in Section 7.8, shall be subject to the Owner's prior approval. The total rental cost of any such equipment may not exceed the purchase price of any comparable item.

§ 7.5.3 Costs of removal of debris from the site of the Work and its proper and legal disposal.

§ 7.5.4 Costs of the Construction Manager's site office, including general office equipment and supplies.

§ 7.5.5 Costs of materials and equipment suitably stored off the site at a mutually acceptable location, subject to the Owner's prior approval.

§ 7.6 Miscellaneous Costs

§ 7.6.1 Premiums for that portion of insurance and bonds required by the Contract Documents that can be directly attributed to this Contract.

§ 7.6.1.1 Costs for self-insurance, for either full or partial amounts of the coverages required by the Contract Documents, with the Owner's prior approval.

§ 7.6.1.2 Costs for insurance through a captive insurer owned or controlled by the Construction Manager, with the Owner's prior approval.

§ 7.6.2 Sales, use, or similar taxes, imposed by a governmental authority, that are related to the Work and for which the Construction Manager is liable.

§ 7.6.3 Fees and assessments for the building permit, and for other permits, licenses, and inspections, for which the Construction Manager is required by the Contract Documents to pay.

§ 7.6.4 Fees of laboratories for tests required by the Contract Documents; except those related to defective or nonconforming Work for which reimbursement is excluded under Article 13 of AIA Document A201–2017 or by other provisions of the Contract Documents, and which do not fall within the scope of Section 7.7.3.

§ 7.6.5 Royalties and license fees paid for the use of a particular design, process, or product, required by the Contract

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Documents.

§ 7.6.5.1 The cost of defending suits or claims for infringement of patent rights arising from requirements of the Contract Documents, payments made in accordance with legal judgments against the Construction Manager resulting from such suits or claims, and payments of settlements made with the Owner's consent, unless the Construction Manager had reason to believe that the required design, process, or product was an infringement of a copyright or a patent, and the Construction Manager failed to promptly furnish such information to the Architect as required by Article 3 of AIA Document A201–2017. The costs of legal defenses, judgments, and settlements shall not be included in the Cost of the Work used to calculate the Construction Manager's Fee or subject to the Guaranteed Maximum Price.

§ 7.6.6 Costs for communications services, electronic equipment, and software, directly related to the Work and located at the site, with the Owner's prior approval.

§ 7.6.7 Costs of document reproductions and delivery charges.

§ 7.6.8 Deposits lost for causes other than the Construction Manager's negligence or failure to fulfill a specific responsibility in the Contract Documents.

§ 7.6.9 Legal, mediation and arbitration costs, including attorneys' fees, other than those arising from disputes between the Owner and Construction Manager, reasonably incurred by the Construction Manager after the execution of this Agreement in the performance of the Work and with the Owner's prior approval, which shall not be unreasonably withheld.

§ 7.6.10 Expenses incurred in accordance with the Construction Manager's standard written personnel policy for relocation and temporary living allowances of the Construction Manager's personnel required for the Work, with the Owner's prior approval.

§ 7.6.11 That portion of the reasonable expenses of the Construction Manager's supervisory or administrative personnel incurred while traveling in discharge of duties connected with the Work.

§ 7.7 Other Costs and Emergencies

§ 7.7.1 Other costs incurred in the performance of the Work, with the Owner's prior approval.

§ 7.7.2 Costs incurred in taking action to prevent threatened damage, injury, or loss, in case of an emergency affecting the safety of persons and property, as provided in Article 10 of AIA Document A201–2017.

§ 7.7.3 Costs of repairing or correcting damaged or nonconforming Work executed by the Construction Manager, Subcontractors, or suppliers, provided that such damaged or nonconforming Work was not caused by the negligence of, or failure to fulfill a specific responsibility by, the Construction Manager, and only to the extent that the cost of repair or correction is not recovered by the Construction Manager from insurance, sureties, Subcontractors, suppliers, or others.

§ 7.7.4 The costs described in Sections 7.1 through 7.7 shall be included in the Cost of the Work, notwithstanding any provision of AIA Document A201–2017 or other Conditions of the Contract which may require the Construction Manager to pay such costs, unless such costs are excluded by the provisions of Section 7.9.

§ 7.8 Related Party Transactions

§ 7.8.1 For purposes of this Section 7.8, the term "related party" shall mean (1) a parent, subsidiary, affiliate, or other entity having common ownership of, or sharing common management with, the Construction Manager; (2) any entity in which any stockholder in, or management employee of, the Construction Manager holds an equity interest in excess of ten percent in the aggregate; (3) any entity which has the right to control the business or affairs of the Construction Manager; or (4) any person, or any member of the immediate family of any person, who has the right to control the business or affairs of the Construction Manager.

§ 7.8.2 If any of the costs to be reimbursed arise from a transaction between the Construction Manager and a related party, the Construction Manager shall notify the Owner of the specific nature of the contemplated transaction, including the identity of the related party and the anticipated cost to be incurred, before any such transaction is consummated or cost incurred. If the Owner, after such notification, authorizes the proposed transaction in writing, then the cost incurred shall be included as a cost to be reimbursed, and the Construction Manager shall procure the Work, equipment, goods, or service, from the related party, as a Subcontractor, according to the terms of Article 9. If the Owner fails to authorize the transaction in writing, the Construction Manager shall procure the Work, equipment, goods, or service from some person

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or entity other than a related party according to the terms of Article 9.

§ 7.9 Costs Not To Be Reimbursed

§ 7.9.1 The Cost of the Work shall not include the items listed below:

.1 Salaries and other compensation of the Construction Manager's personnel stationed at the Construction Manager's principal office or offices other than the site office, except as specifically provided in Section 7.2, or as may be provided in Article 14;

.2 Bonuses, profit sharing, incentive compensation, and any other discretionary payments, paid to anyone hired by the Construction Manager or paid to any Subcontractor or vendor, unless the Owner has provided prior approval;

.3 Expenses of the Construction Manager's principal office and offices other than the site office;

.4 Overhead and general expenses, except as may be expressly included in Sections 7.1 to 7.7;

.5 The Construction Manager's capital expenses, including interest on the Construction Manager's capital employed for the Work;

.6 Except as provided in Section 7.7.3 of this Agreement, costs due to the negligence of, or failure to fulfill a specific responsibility of the Contract by, the Construction Manager, Subcontractors, and suppliers, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable;

.7 Any cost not specifically and expressly described in Sections 7.1 to 7.7;

.8 Costs, other than costs included in Change Orders approved by the Owner, that would cause the Guaranteed Maximum Price to be exceeded; and

.9 Costs for services incurred during the Preconstruction Phase.

ARTICLE 8 DISCOUNTS, REBATES, AND REFUNDS

§ 8.1 Cash discounts obtained on payments made by the Construction Manager shall accrue to the Owner if (1) before making the payment, the Construction Manager included the amount to be paid, less such discount, in an Application for Payment and received payment from the Owner, or (2) the Owner has deposited funds with the Construction Manager with which to make payments; otherwise, cash discounts shall accrue to the Construction Manager. Trade discounts, rebates, refunds, and amounts received from sales of surplus materials and equipment shall accrue to the Owner, and the Construction Manager shall make provisions so that they can be obtained.

§ 8.2 Amounts that accrue to the Owner in accordance with the provisions of Section 8.1 shall be credited to the Owner as a deduction from the Cost of the Work.

ARTICLE 9 SUBCONTRACTS AND OTHER AGREEMENTS

§ 9.1 Those portions of the Work that the Construction Manager does not customarily perform with the Construction Manager's own personnel shall be performed under subcontracts or other appropriate agreements with the Construction Manager. The Owner may designate specific persons from whom, or entities from which, the Construction Manager shall obtain bids. The Construction Manager shall obtain bids from Subcontractors, and from suppliers of materials or equipment fabricated especially for the Work, who are qualified to perform that portion of the Work in accordance with the requirements of the Contract Documents. The Construction Manager shall deliver such bids to the Architect and Owner with an indication as to which bids the Construction Manager intends to accept. The Owner then has the right to review the Construction Manager's list of proposed subcontractors and suppliers in consultation with the Architect and, subject to Section 9.1.1, to object to any subcontractor or supplier. Any advice of the Architect, or approval or objection by the Owner, shall not relieve the Construction Manager of its responsibility to perform the Work in accordance with the Contract Documents. The Construction Manager shall not be required to contract with anyone to whom the Construction Manager has reasonable objection.

§ 9.1.1 When a specific subcontractor or supplier (1) is recommended to the Owner by the Construction Manager; (2) is qualified to perform that portion of the Work; and (3) has submitted a bid that conforms to the requirements of the Contract Documents without reservations or exceptions, but the Owner requires that another bid be accepted, then the Construction Manager may require that a Change Order be issued to adjust the Guaranteed Maximum Price by the difference between the bid of the person or entity recommended to the Owner by the Construction Manager and the amount of the subcontract or other agreement actually signed with the person or entity designated by the Owner.

§ 9.2 Subcontracts or other agreements shall conform to the applicable payment provisions of this Agreement, and shall not be awarded on the basis of cost plus a fee without the Owner's prior written approval. If a subcontract is awarded on the basis of cost plus a fee, the Construction Manager shall provide in the subcontract for the Owner to receive the same audit rights with regard to the Subcontractor as the Owner receives with regard to the Construction Manager in Article 10.

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ARTICLE 10 ACCOUNTING RECORDS

The Construction Manager shall keep full and detailed records and accounts related to the Cost of the Work, and exercise such controls, as may be necessary for proper financial management under this Contract and to substantiate all costs incurred. The accounting and control systems shall be satisfactory to the Owner. The Owner and the Owner's auditors shall, during regular business hours and upon reasonable notice, be afforded access to, and shall be permitted to audit and copy, the Construction Manager's records and accounts, including complete documentation supporting accounting entries, books, job cost reports, correspondence, instructions, drawings, receipts, subcontracts, Subcontractor's proposals, Subcontractor's invoices, purchase orders, vouchers, memoranda, and other data relating to this Contract. The Construction Manager shall preserve these records for a period of three years after final payment, or for such longer period as may be required by law.

ARTICLE 11 PAYMENTS FOR CONSTRUCTION PHASE SERVICES

§ 11.1 Progress Payments

§ 11.1.1 Based upon Applications for Payment submitted to the Architect by the Construction Manager, and Certificates for Payment issued by the Architect, the Owner shall make progress payments on account of the Contract Sum, to the Construction Manager, as provided below and elsewhere in the Contract Documents.

§ 11.1.2 The period covered by each Application for Payment shall be one calendar month ending on the last day of the month, or as follows:

§ 11.1.3 Provided that an Application for Payment is received by the Architect not later than the LAST day of a month, the Owner shall make payment of the amount certified to the Construction Manager not later than the 23rd day of the following month. If an Application for Payment is received by the Architect after the application date fixed above, payment of the amount certified shall be made by the Owner not later than Three (3) days after the Architect receives the Application for Payment.
(Federal, state or local laws may require payment within a certain period of time.)

§ 11.1.4 With each Application for Payment, the Construction Manager shall submit payrolls, petty cash accounts, receipted invoices or invoices with check vouchers attached, and any other evidence required by the Owner or Architect to demonstrate that payments already made by the Construction Manager on account of the Cost of the Work equal or exceed progress payments already received by the Construction Manager, plus payrolls for the period covered by the present Application for Payment, less that portion of the progress payments attributable to the Construction Manager's Fee.

§ 11.1.5 Each Application for Payment shall be based on the most recent schedule of values submitted by the Construction Manager in accordance with the Contract Documents. The schedule of values shall allocate the entire Guaranteed Maximum Price among: (1) the various portions of the Work; (2) any contingency for costs that are included in the Guaranteed Maximum Price but not otherwise allocated to another line item or included in a Change Order; and (3) the Construction Manager's Fee.

§ 11.1.5.1 The schedule of values shall be prepared in such form and supported by such data to substantiate its accuracy as the Architect may require. The schedule of values shall be used as a basis for reviewing the Construction Manager's Applications for Payment.

§ 11.1.5.2 The allocation of the Guaranteed Maximum Price under this Section 11.1.5 shall not constitute a separate guaranteed maximum price for the Cost of the Work of each individual line item in the schedule of values.

§ 11.1.5.3 When the Construction Manager allocates costs from a contingency to another line item in the schedule of values, the Construction Manager shall submit supporting documentation to the Architect.

§ 11.1.6 Applications for Payment shall show the percentage of completion of each portion of the Work as of the end of the period covered by the Application for Payment. The percentage of completion shall be the lesser of (1) the percentage of that portion of the Work which has actually been completed, or (2) the percentage obtained by dividing (a) the expense that has actually been incurred by the Construction Manager on account of that portion of the Work and for which the Construction Manager has made payment or intends to make payment prior to the next Application for Payment, by (b) the share of the Guaranteed Maximum Price allocated to that portion of the Work in the schedule of values.

§ 11.1.7 In accordance with AIA Document A201–2017 and subject to other provisions of the Contract Documents, the amount of each progress payment shall be computed as follows:

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§ 11.1.7.1 The amount of each progress payment shall first include:

.1 That portion of the Guaranteed Maximum Price properly allocable to completed Work as determined by multiplying the percentage of completion of each portion of the Work by the share of the Guaranteed Maximum Price allocated to that portion of the Work in the most recent schedule of values;

.2 That portion of the Guaranteed Maximum Price properly allocable to materials and equipment delivered and suitably stored at the site for subsequent incorporation in the completed construction or, if approved in writing in advance by the Owner, suitably stored off the site at a location agreed upon in writing;

.3 That portion of Construction Change Directives that the Architect determines, in the Architect's professional judgment, to be reasonably justified; and

.4 The Construction Manager's Fee, computed upon the Cost of the Work described in the preceding Sections 11.1.7.1.1 and 11.1.7.1.2 at the rate stated in Section 6.1.2 or, if the Construction Manager's Fee is stated as a fixed sum in that Section, an amount that bears the same ratio to that fixed-sum fee as the Cost of the Work included in Sections 11.1.7.1.1 and 11.1.7.1.2 bears to a reasonable estimate of the probable Cost of the Work upon its completion.

§ 11.1.7.2 The amount of each progress payment shall then be reduced by:

.1 The aggregate of any amounts previously paid by the Owner;

.2 The amount, if any, for Work that remains uncorrected and for which the Architect has previously withheld a Certificate for Payment as provided in Article 9 of AIA Document A201–2017;

.3 Any amount for which the Construction Manager does not intend to pay a Subcontractor or material supplier, unless the Work has been performed by others the Construction Manager intends to pay;

.4 For Work performed or defects discovered since the last payment application, any amount for which the Architect may withhold payment, or nullify a Certificate of Payment in whole or in part, as provided in Article 9 of AIA Document A201–2017;

.5 The shortfall, if any, indicated by the Construction Manager in the documentation required by Section 11.1.4 to substantiate prior Applications for Payment, or resulting from errors subsequently discovered by the Owner's auditors in such documentation; and

.6 Retainage withheld pursuant to Section 11.1.8.

§ 11.1.8 Retainage

§ 11.1.8.1 For each progress payment made prior to Substantial Completion of the Work, the Owner may withhold the following amount, as retainage, from the payment otherwise due:
(Insert a percentage or amount to be withheld as retainage from each Application for Payment. The amount of retainage may be limited by governing law.)

5.00 %

§ 11.1.8.1.1 The following items are not subject to retainage:
(Insert any items not subject to the withholding of retainage, such as general conditions, insurance, etc.)

§ 11.1.8.2 Reduction or limitation of retainage, if any, shall be as follows:
(If the retainage established in Section 11.1.8.1 is to be modified prior to Substantial Completion of the entire Work, insert provisions for such modification.)

§ 11.1.8.3 Except as set forth in this Section 11.1.8.3, upon Substantial Completion of the Work, the Construction Manager may submit an Application for Payment that includes the retainage withheld from prior Applications for Payment pursuant to this Section 11.1.8. The Application for Payment submitted at Substantial Completion shall not include retainage as follows:
(Insert any other conditions for release of retainage, such as upon completion of the Owner's audit and reconciliation, upon Substantial Completion.)

§ 11.1.9 If final completion of the Work is materially delayed through no fault of the Construction Manager, the Owner shall pay the Construction Manager any additional amounts in accordance with Article 9 of AIA Document A201–2017.

§ 11.1.10 Except with the Owner's prior written approval, the Construction Manager shall not make advance payments to

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suppliers for materials or equipment which have not been delivered and suitably stored at the site.

§ 11.1.11 The Owner and the Construction Manager shall agree upon a mutually acceptable procedure for review and approval of payments to Subcontractors, and the percentage of retainage held on Subcontracts, and the Construction Manager shall execute subcontracts in accordance with those agreements.

§ 11.1.12 In taking action on the Construction Manager's Applications for Payment the Architect shall be entitled to rely on the accuracy and completeness of the information furnished by the Construction Manager, and such action shall not be deemed to be a representation that (1) the Architect has made a detailed examination, audit, or arithmetic verification, of the documentation submitted in accordance with Section 11.1.4 or other supporting data; (2) that the Architect has made exhaustive or continuous on-site inspections; or (3) that the Architect has made examinations to ascertain how or for what purposes the Construction Manager has used amounts previously paid on account of the Contract. Such examinations, audits, and verifications, if required by the Owner, will be performed by the Owner's auditors acting in the sole interest of the Owner.

§ 11.2 Final Payment

§ 11.2.1 Final payment, constituting the entire unpaid balance of the Contract Sum, shall be made by the Owner to the Construction Manager when

.1 the Construction Manager has fully performed the Contract, except for the Construction Manager's responsibility to correct Work as provided in Article 12 of AIA Document A201–2017, and to satisfy other requirements, if any, which extend beyond final payment;

.2 the Construction Manager has submitted a final accounting for the Cost of the Work and a final Application for Payment; and

.3 a final Certificate for Payment has been issued by the Architect in accordance with Section 11.2.2.2.

§ 11.2.2 Within 30 days of the Owner's receipt of the Construction Manager's final accounting for the Cost of the Work, the Owner shall conduct an audit of the Cost of the Work or notify the Architect that it will not conduct an audit.

§ 11.2.2.1 If the Owner conducts an audit of the Cost of the Work, the Owner shall, within 10 days after completion of the audit, submit a written report based upon the auditors' findings to the Architect.

§ 11.2.2.2 Within seven days after receipt of the written report described in Section 11.2.2.1, or receipt of notice that the Owner will not conduct an audit, and provided that the other conditions of Section 11.2.1 have been met, the Architect will either issue to the Owner a final Certificate for Payment with a copy to the Construction Manager, or notify the Construction Manager and Owner in writing of the Architect's reasons for withholding a certificate as provided in Article 9 of AIA Document A201–2017. The time periods stated in this Section 11.2.2 supersede those stated in Article 9 of AIA Document A201–2017. The Architect is not responsible for verifying the accuracy of the Construction Manager's final accounting.

§ 11.2.2.3 If the Owner's auditors' report concludes that the Cost of the Work, as substantiated by the Construction Manager's final accounting, is less than claimed by the Construction Manager, the Construction Manager shall be entitled to request mediation of the disputed amount without seeking an initial decision pursuant to Article 15 of AIA Document A201–2017. A request for mediation shall be made by the Construction Manager within 30 days after the Construction Manager's receipt of a copy of the Architect's final Certificate for Payment. Failure to request mediation within this 30-day period shall result in the substantiated amount reported by the Owner's auditors becoming binding on the Construction Manager. Pending a final resolution of the disputed amount, the Owner shall pay the Construction Manager the amount certified in the Architect's final Certificate for Payment.

§ 11.2.3 The Owner's final payment to the Construction Manager shall be made no later than 30 days after the issuance of the Architect's final Certificate for Payment, or as follows:

§ 11.2.4 If, subsequent to final payment, and at the Owner's request, the Construction Manager incurs costs, described in Sections 7.1 through 7.7, and not excluded by Section 7.9, to correct defective or nonconforming Work, the Owner shall reimburse the Construction Manager for such costs, and the Construction Manager's Fee applicable thereto, on the same basis as if such costs had been incurred prior to final payment, but not in excess of the Guaranteed Maximum Price. If adjustments to the Contract Sum are provided for in Section 6.1.7, the amount of those adjustments shall be recalculated, taking into account any reimbursements made pursuant to this Section 11.2.4 in determining the net amount to be paid by the Owner to the Construction Manager.

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§ 11.3 Interest

Payments due and unpaid under the Contract shall bear interest from the date payment is due at the rate stated below, or in the absence thereof, at the legal rate prevailing from time to time at the place where the Project is located.
(Insert rate of interest agreed upon, if any.)

7.00 % per annum

ARTICLE 12 DISPUTE RESOLUTION

§ 12.1 Initial Decision Maker

§ 12.1.1 Any Claim between the Owner and Construction Manager shall be resolved in accordance with the provisions set forth in this Article 12 and Article 15 of A201–2017. However, for Claims arising from or relating to the Construction Manager's Preconstruction Phase services, no decision by the Initial Decision Maker shall be required as a condition precedent to mediation or binding dispute resolution, and Section 12.1.2 of this Agreement shall not apply.

§ 12.1.2 The Architect will serve as the Initial Decision Maker pursuant to Article 15 of AIA Document A201–2017 for Claims arising from or relating to the Construction Manager's Construction Phase services, unless the parties appoint below another individual, not a party to the Agreement, to serve as the Initial Decision Maker.
(If the parties mutually agree, insert the name, address and other contact information of the Initial Decision Maker, if other than the Architect.)

§ 12.2 Binding Dispute Resolution

For any Claim subject to, but not resolved by mediation pursuant to Article 15 of AIA Document A201–2017, the method of binding dispute resolution shall be as follows:
(Check the appropriate box.)

[ ] Arbitration pursuant to Article 15 of AIA Document A201–2017

[X] Litigation in a court of competent jurisdiction

[ ] Other: *(Specify)*

If the Owner and Construction Manager do not select a method of binding dispute resolution, or do not subsequently agree in writing to a binding dispute resolution method other than litigation, Claims will be resolved by litigation in a court of competent jurisdiction.

ARTICLE 13 TERMINATION OR SUSPENSION

§ 13.1 Termination Prior to Execution of the Guaranteed Maximum Price Amendment

§ 13.1.1 If the Owner and the Construction Manager do not reach an agreement on the Guaranteed Maximum Price, the Owner may terminate this Agreement upon not less than seven days' written notice to the Construction Manager, and the Construction Manager may terminate this Agreement, upon not less than seven days' written notice to the Owner.

§ 13.1.2 In the event of termination of this Agreement pursuant to Section 13.1.1, the Construction Manager shall be compensated for Preconstruction Phase services and Work performed prior to receipt of a notice of termination, in accordance with the terms of this Agreement. In no event shall the Construction Manager's compensation under this Section exceed the compensation set forth in Section 5.1.

§ 13.1.3 Prior to the execution of the Guaranteed Maximum Price Amendment, the Owner may terminate this Agreement upon not less than seven days' written notice to the Construction Manager for the Owner's convenience and without cause, and the Construction Manager may terminate this Agreement, upon not less than seven days' written notice to the Owner, for the reasons set forth in Article 14 of A201–2017.

§ 13.1.4 In the event of termination of this Agreement pursuant to Section 13.1.3, the Construction Manager shall be equitably compensated for Preconstruction Phase services and Work performed prior to receipt of a notice of termination. In no event shall the Construction Manager's compensation under this Section exceed the compensation set forth in Section 5.1.

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§ 13.1.5 If the Owner terminates the Contract pursuant to Section 13.1.3 after the commencement of the Construction Phase but prior to the execution of the Guaranteed Maximum Price Amendment, the Owner shall pay to the Construction Manager an amount calculated as follows, which amount shall be in addition to any compensation paid to the Construction Manager under Section 13.1.4:

.1 Take the Cost of the Work incurred by the Construction Manager to the date of termination;

.2 Add the Construction Manager's Fee computed upon the Cost of the Work to the date of termination at the rate stated in Section 6.1 or, if the Construction Manager's Fee is stated as a fixed sum in that Section, an amount that bears the same ratio to that fixed-sum Fee as the Cost of the Work at the time of termination bears to a reasonable estimate of the probable Cost of the Work upon its completion; and

.3 Subtract the aggregate of previous payments made by the Owner for Construction Phase services.

§ 13.1.6 The Owner shall also pay the Construction Manager fair compensation, either by purchase or rental at the election of the Owner, for any equipment owned by the Construction Manager that the Owner elects to retain and that is not otherwise included in the Cost of the Work under Section 13.1.5.1. To the extent that the Owner elects to take legal assignment of subcontracts and purchase orders (including rental agreements), the Construction Manager shall, as a condition of receiving the payments referred to in this Article 13, execute and deliver all such papers and take all such steps, including the legal assignment of such subcontracts and other contractual rights of the Construction Manager, as the Owner may require for the purpose of fully vesting in the Owner the rights and benefits of the Construction Manager under such subcontracts or purchase orders. All Subcontracts, purchase orders and rental agreements entered into by the Construction Manager will contain provisions allowing for assignment to the Owner as described above.

§ 13.1.6.1 If the Owner accepts assignment of subcontracts, purchase orders or rental agreements as described above, the Owner will reimburse or indemnify the Construction Manager for all costs arising under the subcontract, purchase order or rental agreement, if those costs would have been reimbursable as Cost of the Work if the contract had not been terminated. If the Owner chooses not to accept assignment of any subcontract, purchase order or rental agreement that would have constituted a Cost of the Work had this agreement not been terminated, the Construction Manager will terminate the subcontract, purchase order or rental agreement and the Owner will pay the Construction Manager the costs necessarily incurred by the Construction Manager because of such termination.

§ 13.2 Termination or Suspension Following Execution of the Guaranteed Maximum Price Amendment

§ 13.2.1 Termination

The Contract may be terminated by the Owner or the Construction Manager as provided in Article 14 of AIA Document A201–2017.

§ 13.2.2 Termination by the Owner for Cause

§ 13.2.2.1 If the Owner terminates the Contract for cause as provided in Article 14 of AIA Document A201–2017, the amount, if any, to be paid to the Construction Manager under Article 14 of AIA Document A201–2017 shall not cause the Guaranteed Maximum Price to be exceeded, nor shall it exceed an amount calculated as follows:

.1 Take the Cost of the Work incurred by the Construction Manager to the date of termination;

.2 Add the Construction Manager's Fee, computed upon the Cost of the Work to the date of termination at the rate stated in Section 6.1 or, if the Construction Manager' Fee is stated as a fixed sum in that Section, an amount that bears the same ratio to that fixed-sum Fee as the Cost of the Work at the time of termination bears to a reasonable estimate of the probable Cost of the Work upon its completion;

.3 Subtract the aggregate of previous payments made by the Owner; and

.4 Subtract the costs and damages incurred, or to be incurred, by the Owner under Article 14 of AIA Document A201–2017.

§ 13.2.2.2 The Owner shall also pay the Construction Manager fair compensation, either by purchase or rental at the election of the Owner, for any equipment owned by the Construction Manager that the Owner elects to retain and that is not otherwise included in the Cost of the Work under Section 13.2.2.1.1. To the extent that the Owner elects to take legal assignment of subcontracts and purchase orders (including rental agreements), the Construction Manager shall, as a condition of receiving the payments referred to in this Article 13, execute and deliver all such papers and take all such steps, including the legal assignment of such subcontracts and other contractual rights of the Construction Manager, as the Owner may require for the purpose of fully vesting in the Owner the rights and benefits of the Construction Manager under such subcontracts or purchase orders.

§ 13.2.3 Termination by the Owner for Convenience

If the Owner terminates the Contract for convenience in accordance with Article 14 of AIA Document A201–2017, then the Owner shall pay the Construction Manager a termination fee as follows:

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(Insert the amount of or method for determining the fee, if any, payable to the Construction Manager following a termination for the Owner's convenience.)

§ 13.3 Suspension

The Work may be suspended by the Owner as provided in Article 14 of AIA Document A201–2017; in such case, the Guaranteed Maximum Price and Contract Time shall be increased as provided in Article 14 of AIA Document A201–2017, except that the term "profit" shall be understood to mean the Construction Manager's Fee as described in Sections 6.1 and 6.3.5 of this Agreement.

ARTICLE 14 MISCELLANEOUS PROVISIONS

§ 14.1 Terms in this Agreement shall have the same meaning as those in A201–2017. Where reference is made in this Agreement to a provision of AIA Document A201–2017 or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

§ 14.2 Successors and Assigns

§ 14.2.1 The Owner and Construction Manager, respectively, bind themselves, their partners, successors, assigns and legal representatives to covenants, agreements, and obligations contained in the Contract Documents. Except as provided in Section 14.2.2 of this Agreement, and in Section 13.2.2 of A201–2017, neither party to the Contract shall assign the Contract as a whole without written consent of the other. If either party attempts to make an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

§ 14.2.2 The Owner may, without consent of the Construction Manager, assign the Contract to a lender providing construction financing for the Project, if the lender assumes the Owner's rights and obligations under the Contract Documents. The Construction Manager shall execute all consents reasonably required to facilitate the assignment.

§ 14.3 Insurance and Bonds

§ 14.3.1 Preconstruction Phase

The Construction Manager shall maintain the following insurance for the duration of the Preconstruction Services performed under this Agreement. If any of the requirements set forth below exceed the types and limits the Construction Manager normally maintains, the Owner shall reimburse the Construction Manager for any additional cost.

§ 14.3.1.1 Commercial General Liability with policy limits of not less than One Million Dollars and Zero Cents ($ 1,000,000.00) for each occurrence and 2,000,000.00 ($ Two Million Dollars and Zero Cents) in the aggregate for bodily injury and property damage.

§ 14.3.1.2 Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Construction Manager with policy limits of not less than One Million Dollars and Zero Cents ($ 1,000,000.00) per accident for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles, along with any other statutorily required automobile coverage.

§ 14.3.1.3 The Construction Manager may achieve the required limits and coverage for Commercial General Liability and Automobile Liability through a combination of primary and excess or umbrella liability insurance, provided that such primary and excess or umbrella liability insurance policies result in the same or greater coverage as the coverages required under Sections 14.3.1.1 and 14.3.1.2, and in no event shall any excess or umbrella liability insurance provide narrower coverage than the primary policy. The excess policy shall not require the exhaustion of the underlying limits only through the actual payment by the underlying insurers.

§ 14.3.1.4 Workers' Compensation at statutory limits and Employers Liability with policy limits not less than One Million Dollars and Zero Cents ($ 1,000,000.00) each accident, One Million Dollars and Zero Cents ($ 1,000,000.00) each employee, and One Million Dollars and Zero Cents ($ 1,000,000.00) policy limit.

§ 14.3.1.5 Professional Liability covering negligent acts, errors and omissions in the performance of professional services, with policy limits of not less than ($) per claim and ($) in the aggregate.

§ 14.3.1.6 Other Insurance

(List below any other insurance coverage to be provided by the Construction Manager and any applicable limits.)

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Coverage	Limits
General Liability	$1,000,000 each occurence; $2,000,000 aggregate
Automobile Liability	$1,000,000 combined single limit
Umbrella Insurance	$1,000,000 each occurence, $1,000,000 aggregate
Workers Compensation	Statutory Limits

§ 14.3.1.7 Additional Insured Obligations. To the fullest extent permitted by law, the Construction Manager shall cause the primary and excess or umbrella policies for Commercial General Liability and Automobile Liability to include the Owner as an additional insured for claims caused in whole or in part by the Construction Manager's negligent acts or omissions. The additional insured coverage shall be primary and non-contributory to any of the Owner's insurance policies and shall apply to both ongoing and completed operations.

§ 14.3.1.8 The Construction Manager shall provide certificates of insurance to the Owner that evidence compliance with the requirements in this Section 14.3.1.

§ 14.3.2 Construction Phase
After execution of the Guaranteed Maximum Price Amendment, the Owner and the Construction Manager shall purchase and maintain insurance as set forth in AIA Document A133™–2019, Standard Form of Agreement Between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price, Exhibit B, Insurance and Bonds, and elsewhere in the Contract Documents.

§ 14.3.2.1 The Construction Manager shall provide bonds as set forth in AIA Document A133™–2019 Exhibit B, and elsewhere in the Contract Documents.

§ 14.4 Notice in electronic format, pursuant to Article 1 of AIA Document A201–2017, may be given in accordance with a building information modeling exhibit, if completed, or as otherwise set forth below:
(If other than in accordance with a building information modeling exhibit, insert requirements for delivering notice in electronic format such as name, title, and email address of the recipient and whether and how the system will be required to generate a read receipt for the transmission.)

§ 14.5 Other provisions:

ARTICLE 15 SCOPE OF THE AGREEMENT

§ 15.1 This Agreement represents the entire and integrated agreement between the Owner and the Construction Manager and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by written instrument signed by both Owner and Construction Manager.

§ 15.2 The following documents comprise the Agreement:

.1 AIA Document A133™–2019, Standard Form of Agreement Between Owner and Construction Manager as Constructor where the basis of payment is the Cost of the Work Plus a Fee with a Guaranteed Maximum Price

.2 AIA Document A201™–2017, General Conditions of the Contract for Construction

.6 Other Exhibits:
(Check all boxes that apply.)

[ ] AIA Document E234™–2019, Sustainable Projects Exhibit, Construction Manager as Constructor Edition, dated as indicated below:
(Insert the date of the E234-2019 incorporated into this Agreement.)

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User Notes: (68599f66f941f7046099cab1)

[ ] Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages

.7 Other documents, if any, listed below:
(List here any additional documents that are intended to form part of the Contract Documents. AIA Document A201–2017 provides that the advertisement or invitation to bid, Instructions to Bidders, sample forms, the Construction Manager's bid or proposal, portions of Addenda relating to bidding or proposal requirements, and other information furnished by the Owner in anticipation of receiving bids or proposals, are not part of the Contract Documents unless enumerated in this Agreement. Any such documents should be listed here only if intended to be part of the Contract Documents.)

This Agreement is entered into as of the day and year first written above.

OWNER *(Signature)*	**CONSTRUCTION MANAGER** *(Signature)*
	BY: Brian H. Henson, President
(Printed name and title)	*(Printed name and title)*

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EXHIBIT "B"

HENSON
CONSTRUCTION

Henson Construction Co.
Schedule of Rates
Construction Management at Risk
July 11, 2025

Fee Structure

Project Amount	Fee
$0 to $1,000,000.00	Cost of Work Plus 9.5%
$1,000,000 to $3,000,000	Cost of Work Plus 6.5%
$3,000,000 to $10,000,000	Cost of Work Plus 5.0%
$10,000,000 and Over	Cost of Work Plus 5.0%

Pre-Construction

Preliminary Estimate Project Size	
$0 to $1,000,000	$4,000.00
$1,000,000 to $3,000,000	$9,500.00
$3,000,000 to $10,000,000	$13,500.00
$10,000,000 to $15,000,000	$17,500.00
$15,000,000 to $35,000,000	$30,000.00

These preconstruction services include one preliminary estimate per project. Additional estimates will be calculated using the wage rate for estimator on the wage schedule. The amount will be agreed upon before the additional estimate is prepared.

Wage Rates

Project Manager	$90.00 / hour
Estimator	$90.00 / hour
Superintendent	$85.00 / hour
Assistant Superintendent	$70.00 / hour
Carpenter	$55.00 / hour
Laborer	$45.00 / hour

HENSON
CONSTRUCTION
COMPANY

2300 W. Oklahoma
P.O. Box 3715
Enid, OK 73702
580-234-7229
FAX: 580-237-7969
www.hensonconstruction.com

HENSON
CONSTRUCTION

EXHIBIT "B"

General Condition Rates

Office Trailer	$900.00 / month
Storage Trailer	$400.00 / month
Office Trailer (Move In / Move Out)	$800.00 / month
Site Vehicle	$750.00 / month
Fuel / Maintenance	$700.00 / month
Cell Phone	$175.00 / month
Temporary Restroom	$190.00 / month
Safety Review	$425.00 / month
Safety & First Aid Supplies	$200.00 / month

HENSON
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2300 W. Oklahoma
P.O. Box 3715
Enid, OK 73702
580-234-7229
FAX: 580-237-7969
www.hensonconstruction.com

Exhibit "A"

Approve hiring the following administrators for the 2025-2026 School Year:

Mary Laura Meyer, Intern Assistant Principal-Enid High School
Shannon Robinson, Intern Assistant Principal -Waller Middle School

Approve hiring the following personnel:

A. Recommend Approval to Hire-Certified Temporary Contract (1st Year Temporary) (2025-2026 School Year):

Jayson Jenkins, English
Angela Krieger, Vocal Music
Angela Wedel, Early Childhood
Carla Wishon, Special Education

B. Recommend Approval to Hire-Certified Temporary Pending Certification Contract (1st Year Temporary) (2025-2026 School Year):

Iesha Albrecht, Elementary
Rebekah Barnum, Early Childhood
Sarah Cook, English
Joshua Dodson, English
Marciano Espinoza, Aviation
Christopher Honigsberg, Mathematics
Katelin Macaluso, Digital Media Arts
Elizabeth Maddux, Early Childhood
Travis Reust, Strength and Conditioning
Alex Roberts, Elementary
Shaela Wade, Elementary
Rochelle Wright, Geography

C. Recommend Approval to Hire-Certified Temporary Pending Certification Contract (2nd Year Temporary) (2025-2026 School Year):

Tammy Sandifer, Science

D. Recommend Approval to Hire – Support Contract:

Maureen Aderholt, Secretary II
Ashley Aguilar, ISP Proctor
Anthony Clardy, Bus Driver
Kasey Congdon, Secretary II

Reba Diveley, Bus Driver
Amy Dutcher, HR Specialist-Support
Darla Hager, Library Media Assistant
Keely Helms, Teacher Assistant, Sped
Adan Lopez, CK Truck Driver
Kelsie Monterville, Childcare Teacher
Dylan Moser, Childcare Teacher
Madison Ramey, Childcare Teacher
Alexandra Ramsey, Childcare Teacher
Kaylee Skaggs, Childcare Teacher
Adina Welch, Paraprofessional

Notification of Reassignments, Retirements and/or Resignations as Approved by the Superintendent:

A. Reassignments - Certified:

Jennifer Patterson, Principal-Waller Middle School

B. Resignations – Certified:

Ellyn Alberson, Title 1
Laura Zappala-Campbell, Elementary
Edward Cumpston, Science
Deborah Gilmore, Spanish
Russell Gilmore, Virtual and Head Boys' Basketball Coach
Sadie Sandifer, Physical Education
Penelope Stover, Elementary

C. Resignations – Support:

Addielera Albertson, Childcare Teacher
Wilbur Flynn, Maintenance
Lori King, Bus Driver
Trenton Legran-Schanbacher, Childcare Teacher
Mackenzie Gallagher, HR Specialist – Support
Ashley Reid, Childcare Teacher
Garland Taylor, Bus Driver

Exhibit "B"

Discussion then possible action to approve adjunct instructor status, as allowed by the Oklahoma State Department of Education, for Andrew Wagner, Waller Middle School Intermediate Math.

Exhibit "A"

Approve hiring the following administrators for the 2025-2026 School Year:

Mary Laura Meyer, Intern Assistant Principal-Enid High School
Shannon Robinson, Intern Assistant Principal -Waller Middle School

Approve hiring the following personnel:

A. Recommend Approval to Hire-Certified Temporary Contract (1st Year Temporary) (2025-2026 School Year):

Jayson Jenkins, English
Angela Krieger, Vocal Music
Angela Wedel, Early Childhood
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B. Recommend Approval to Hire-Certified Temporary Pending Certification Contract (1st Year Temporary) (2025-2026 School Year):

Iesha Albrecht, Elementary
Rebekah Barnum, Early Childhood
Sarah Cook, English
Joshua Dodson, English
Marciano Espinoza, Aviation
Christopher Honigsberg, Mathematics
Katelin Macaluso, Digital Media Arts
Elizabeth Maddux, Early Childhood
Travis Reust, Strength and Conditioning
Alex Roberts, Elementary
Shaela Wade, Elementary
Rochelle Wright, Geography

C. Recommend Approval to Hire-Certified Temporary Pending Certification Contract (2nd Year Temporary) (2025-2026 School Year):

Tammy Sandifer, Science

D. Recommend Approval to Hire – Support Contract:

Maureen Aderholt, Secretary II
Ashley Aguilar, ISP Proctor
Anthony Clardy, Bus Driver
Kasey Congdon, Secretary II

Reba Diveley, Bus Driver
Amy Dutcher, HR Specialist-Support
Darla Hager, Library Media Assistant
Keely Helms, Teacher Assistant, Sped
Adan Lopez, CK Truck Driver
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Madison Ramey, Childcare Teacher
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Deborah Gilmore, Spanish
Russell Gilmore, Virtual and Head Boys' Basketball Coach
Sadie Sandifer, Physical Education
Penelope Stover, Elementary

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Lori King, Bus Driver
Trenton Legran-Schanbacher, Childcare Teacher
Mackenzie Gallagher, HR Specialist – Support
Ashley Reid, Childcare Teacher
Garland Taylor, Bus Driver

Exhibit "B"

Discussion then possible action to approve adjunct instructor status, as allowed by the Oklahoma State Department of Education, for Andrew Wagner, Waller Middle School Intermediate Math.

Exhibit "A"

Approve hiring the following administrators for the 2025-2026 School Year:

Mary Laura Meyer, Intern Assistant Principal-Enid High School
Shannon Robinson, Intern Assistant Principal -Waller Middle School

Approve hiring the following personnel:

A. Recommend Approval to Hire-Certified Temporary Contract (1st Year Temporary) (2025-2026 School Year):

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Angela Wedel, Early Childhood
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Sarah Cook, English
Joshua Dodson, English
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Katelin Macaluso, Digital Media Arts
Elizabeth Maddux, Early Childhood
Travis Reust, Strength and Conditioning
Alex Roberts, Elementary
Shaela Wade, Elementary
Rochelle Wright, Geography

C. Recommend Approval to Hire-Certified Temporary Pending Certification Contract (2nd Year Temporary) (2025-2026 School Year):

Tammy Sandifer, Science

D. Recommend Approval to Hire – Support Contract:

Maureen Aderholt, Secretary II
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