

GREENEVILLE CITY BOARD OF EDUCATION

AGENDA

Date of Meeting: January 25, 2024

Time: 7:15 PM

Location: Greene Technology Center

{{Name: Agenda Item Name}} {{AnticipatedTime: Agenda Item Time}}

- I. **Call to Order**
- II. **Recognition of Visitors**
- III. **Special Recognition**
 - **GHS Civic Seal and Letter Grade of A**
 - **EV Letter Grade of A**
- IV. (5 minutes)
- V. **Public Comment Period** (20 Minutes)
- VI. **ACT Report** (10 minutes)
- VII. **Approval of Agenda**
- VIII. **Consent Agenda** (5 minutes)
 - A. Consideration of Approving Minutes of December 2023 Board Meeting
 - B. Consideration of Accepting Personnel Report
 - C. Consideration of Approving Board Policy Revisions (2nd Reading)
 - D. Consideration of Approving Board Policy Revisions - No Changes (1st Reading)
 - E. Consideration of Approving School Trip Request
 - F. Consideration of Approving Disposal of Surplus Under \$500.00
- IX. **Action Items**
 - A. Consideration of Accepting December 2023 Financial Statements (5 minutes)

- B. Consideration of Approving Board Policy Revisions - 1st Reading (5 minutes)
- C. Consideration of Approving Avigilon Camera Upgrades and Additions (5 Minutes)
- D. Consideration of Approving Cellphone Replacement Project (5 Minutes)
- E. Consideration of Approving Resolution Authorizing Participation in the Public Entity Partners "Driver's Safety" Matching Grant Program (5 Minutes)
- F. Consideration of Approving Resolution Authorizing Participation in the Public Entity Partners Cyber Security Matching Grant Program (5 Minutes)
- G. Consideration of Approving Equipment Purchase for Highland HVAC Renovation Project (5 Minutes)
- H. Consideration of Approving Highland Roof Replacement Project (5 Minutes)
- I. Consideration of Approving Greeneville Middle School Office Renovation & School Safety Project (5 Minutes)
- J. Consideration of Approving Sunday Intervention Materials (5 Minutes)
- K. Consideration of Approving Witsby Professional Learning System (5 Minutes)
- L. Consideration of Approving Dale Alexander Baseball Field (Home of Greene Devils Baseball Team) Lighting Project (5 Minutes)
- X. **Director's Report** (5 minutes)
- XI. **Adjournment**

OFFICIAL MINUTES OF THE GREENVILLE CITY BOARD OF EDUCATION

Tuesday, December 5, 2023

The Greenville City Board of Education met in Regular session on Tuesday, December 5, 2023, at the Professional Development Center at the Kathryn W. Leonard Administrative Office, 129 W Depot St, Greenville, TN 37743. Board Members **Present:** Pam Botta (Board Member), Crystal Hirschy (Board Member), Cindy Luttrell (Chair), Josh Quillen (Treasurer), Dr. Craig Shepherd (Vice-Chair). Others in attendance included Steve Starnes, Director of Schools, several administrative personnel, school personnel, community members, and media representatives. The Chair called the meeting to order and welcomed all in attendance. Board student representative Hank Hope led in the pledge of allegiance to the American Flag.

BUSINESS TRANSACTED

- I. **Call to Order**
- II. **Pledge to the Flag**
- III. **Recognition of Visitors**
- IV. **Special Recognitions**

- GSIA Recognition
- JROTC Cadet of the Year - Jackson Lampe
- Tennessee 9-12 Science Teacher of the Year - Cynthia Propst

Greenville Schools In Action (GSIA) was recognized for their commitment to Greenville City Schools. They are actively involved in various initiatives across different schools in the district, raising a total of \$89,000 during the 22-23 school year. Notable events include the 2023 Daddy Daughter Dance, co-hosted with Greenville City Schools Education Foundation (GCSEF), which generated proceeds enabling GSIA to award four \$1,000 scholarships to graduating seniors. The GHS GSIA implemented new strategies like a unique ornament design for fundraisers and introduced tailgating

events at sports games. GMS GSIA organized fun days, funded the 8th-grade dance, and supported Field Day. Throughout the year, GSIA conducted staff appreciation events.

Each school's GSIA had specific accomplishments:

- EastView GSIA hosted a family literacy night, Frosty Festival, and acquired new stage curtains and chorus shirts.
- Hal Henard GSIA organized a Santa Shop and Silent Auction, providing field trip t-shirts for all students.
- Highland GSIA distributed birthday and valentine treat bags and coordinated a family STEM night.
- Tusculum View GSIA facilitated a Veteran's Day breakfast and Art Gala, invested in an outdoor storage building for the school.

Jackson Lampe, a Greenville High School Student, was recognized for being named the JROTC Cadet of the Year. The United States aims to develop character and leadership skills in students. Each year, outstanding cadets are recognized for their achievements and leadership qualities by being named the JROTC Cadet of the Year. This honor is awarded based on a combination of academic performance, community service, leadership in JROTC activities, and overall character. The selection process involves interviews, assessments, and recommendations from JROTC instructors and school officials. The JROTC Cadet of the Year is expected to exemplify the core values of the program, which typically include leadership, discipline, and service to the community.

Cynthia Propst, a teacher at Greenville High School was recognized for being selected as the Tennessee 9-12 Science Teacher of the Year. Propst has been an educator for 16 years.

V. Public Comment Period

There were no requests made to speak on any agenda items.

VI. State and Federal Accountability Comparison Report

Brandy Shelton provided the board with a comprehensive overview of the Tennessee Department of Education, delving into the historical context of letter grades in the state. She highlighted the pivotal moment in 2016 when a law was enacted to align with the federal No Child Left Behind policy. Shelton explained the three main parts of the new system: achievement, growth, and proficiency. She pointed out that there are two ways to measure how well schools are doing – one for the federal and one specific to Tennessee (state). The federal system uses a scale from 0 to 4, while the state system uses a scale from 1 to 5. In the federal system, they look at English and Math, focusing on high school Algebra 1 and English 2. In the state system, they look at all subjects. A new addition in the state system is the Tennessee Value-Added Assessment System (TVAAS) growth score, and they also measure if students are ready for college and careers. Shelton clarified that the federal system looks at whether schools are participating, while the state system looks at how well they perform. In closing, Shelton assured the board of their commitment to doing what is right for the students, prioritizing their well-being.

VII. Approval of Agenda

It was recommended to approve the Agenda as presented. Board approval was unanimous on a motion from Dr. Shepherd (Vice-Chair) and a second from Quillen (Treasurer).

VIII. Consent Agenda

It was recommended to approve the Consent Agenda as presented. Board approval was unanimous on a motion from Dr. Shepherd (Vice-Chair) and a second from Quillen (Treasurer).

A. Consideration of Approving Minutes of October 26, 2023, Board Meeting

Minutes of the October 26, 2023, meeting, were unanimously approved as presented. A copy is on file in the Director of Schools' office.

B. Consideration of Accepting Personnel Report

Board approval was unanimous for acceptance of the changes in personnel since the October report. A copy of the report is attached to the minutes.

C. Consideration of Approving Board Policy Revisions (2nd Reading)

Copies of these policies are attached to the minutes. Board approval was unanimous on 2nd reading for the following policies:

- 1.2021 Boardmanship Code of Conduct
- 1.300 Board Committees
 - 1.301 Executive Committee
 - 1.302 School Attorney
 - 1.303 Consultants
- 1.401 Public Hearings
- 1.403 Agendas
- 1.405 Rules of Order
- 1.406 Minutes
- 1.407 School District Records
- 2.800 Expenditures of Funds
 - 2.801 Petty Cash Accounts
 - 2.804 Expenses and Reimbursements
 - 2.805 Purchasing
 - 2.808 Purchase Orders and Contracts
 - 2.809 Vendor Relations
 - 2.810 Payment Procedures
- 3.400 Student Transportation Management
 - 3.401 Scheduling and Routing
- 4.205 Enrollment in Advanced Courses
- 4.206 Homebound Instruction
- 4.302 Field Trips and Excursions
- 4.502 Parent and Family Engagement
- 4.606 Graduation Activities
- 4.700 Testing Programs
- 4.804 Religious Content of Courses
- 5.114 Personnel Records
 - 5.1141 Teacher Effect Data
 - 5.115 Assignment & Transfer

- 5.1151 Telework During Emergencies
- 5.116 Staff Positions
- 6.305 Student Concerns
- 6.306 Interference/Disruption of School Activities
- 6.307 Drug-Free Schools
- 6.308 Bus Safety and Conduct
- 6.310 Dress Code

D. Consideration of Approving Disposal of Vehicle and Nutrition Equipment Surplus

GCS Board Policy 2.403 gives the Greeneville Board of Education the authority to declare district property that is no longer useful nor necessary as surplus and to authorize the disposal of such equipment, books, or materials. The Board unanimously approved the disposal of the surplus.

E. Consideration of Approving Board Policy Revisions - No Changes (1st Reading)

Board approval was unanimous on 1st reading for the following policies:

- 1.105 School Board Legislative Involvement
- 1.500 Board-Community Relations
- 1.501 Visitors to the Schools
- 1.502 Board - Media Relations
- 1.600 Policy Development and Adoption
- 1.601 Administrative Procedures
- 1.602 Administrative Committees
- 1.603 Administrative Reports
- 3.100 Business Management Goals
- 3.601 Student Insurance Program
- 3.602 Workers' Compensation
- 4.201 Class Size Ratios
- 4.209 Alternative Credit Options
- 4.211 Work-Based Learning Program

- 4.213 Family Life Education
- 5.117 Procedure for Granting Tenure
- 5.118 Transitional Duty
- 5.119 Background Investigations
- 5.200 Separation Practices for Tenured Teachers
- 5.201 Separation Practices for Non-Tenured Teachers
- 5.202 Separation Practices for Non-Certified Employees
- 6.314 Corporal Punishment
- 6.316 Suspension

F. Consideration of Approving Participation in the EPA 2023 Clean School Bus Rebates Program

Transportation Supervisor Kristen Rollins requested the Board's approval for participation in the EPA 2023 Clean School Bus Rebates Program.

The EPA Clean School Bus Rebates Program aims to replace or retrofit old, high-emission school buses with newer, cleaner models or technology. By doing so, the program seeks to reduce harmful pollutants emitted by school buses, improving air quality, and promoting the health of students and residents.

The Board unanimously approved participation in the EPA 2023 Clean School Bus Rebates Program.

G. Consideration of Approving School Trip Requests

Board Policy 4.302 specifies that the Board must approve field trips that are both overnight and out-of-state. Additionally, approval is required when students must leave school early for participation in athletic events.

- Greeneville High School Wrestling Team requested approval to travel to Maryville, TN to participate in a Wrestling Tournament from 12/01/2023 - 12/02/2023. Executive Approval was granted on 11/10/2023.
- Greeneville High School Wrestling Team requested approval to travel to Pikeville, KY to participate in a Wrestling Tournament from 12/28/2023 - 12/29/2023.

- Greeneville High School Wrestling Team requested approval to travel to Orlando, FL to participate in a Wrestling Tournament from 12/20/2023 - 12/21/2023.

H. Consideration of Approving Fiscal Year 2024 Federal Projects Budget

Amendment #3

Budget Amendments are made periodically throughout the year to more accurately reflect anticipated revenues, expenditures, timing of expenditures, and grant award allocations. This amendment allows for budgeting of the approved Math Implementation Grant. The Board unanimously approved the fiscal year 2024 federal projects budget amendment #3.

I. Consideration of Approving Fiscal Year 2024 General Purpose Budget

Amendment #2

Budget Amendments are made periodically throughout the year to more accurately reflect anticipated revenues, expenditures, timing of expenditures, and grant award allocations. Attached to the minutes is the second General Purpose Budget Amendment to be approved in the 2023-2024 Fiscal Year. The Board unanimously approved the fiscal year 2024 general purpose budget amendment #2.

J. Consideration of Approving Disposal of Surplus

GCS Board Policy 2.403 gives the Greeneville Board of Education the authority to declare district property that is no longer useful nor necessary as surplus and to authorize the disposal of such equipment, books, or materials. The Board unanimously approved the disposal of the surplus.

IX. Action Items

A. Consideration of Accepting October 2023 Financial Statements

Steve Starnes, Director of Greeneville City Schools, presented the October financial statements to the Board for acceptance. Starnes stated that local revenue collected year-to-date through October 2023 is \$2,188,340, which is 24.0% of the total budgeted projection. The amount collected year-to-date is \$14,503 more than during the same time period last year. This reflects an actual

percentage change of 0.67% compared to last year. The district has 588 tuition students as of Nov. 27, 2023. The Federal Projects Financial Report showed that encumbrances comprise \$1,632,741.98 year-to-date. Copies of the financial statements are on file in the Chief Financial Officer's office.

It was recommended to approve the October 2023 financial statements. Board approval was unanimous on a motion from Botta (Board Member) and a second from Dr. Shepherd (Vice-Chair).

B. Consideration of Approving Board Policy Revisions - 1st Reading

Revisions are recommended to the following policies on 1st reading:

1.701 School District Planning

4.402 Reconsideration of Textbooks and Instructional Materials

6.311 Care of School Property

6.315 Detention

6.317 Student Disciplinary Hearing Authority

6.318 Admission of Suspended or Expelled Students

It was recommended to approve the revisions to the policies as presented on 1st reading. Board approval was unanimous on a motion from Dr. Shepherd (Vice-Chair) and a second from Hirschy (Board Member).

C. Consideration of Approving School Bus Purchase

The Greeneville City School District maintains its own fleet of school buses and must comply with many federal, state, and local laws. To ensure compliance and, most importantly, to ensure the safety of drivers and students, the district has a long-established replacement schedule for its bus fleet. The Town of Greeneville has made a commitment to the district and signed a resolution in 2013 that makes provisions for a revenue stream from the town to be directed toward the procurement of buses when necessary. In accordance with Greeneville City School District's procurement requirements, Mrs. Kristen Rollins released a request for proposals (RFP) for the purchase of a new 78 passenger school bus with seatbelts and air conditioning that will replace bus G-2. Bus G-17 will be removed from the

road. Three (3) vendors responded to the request. Supporting documentation is attached to the minutes. The responding vendors are as follows:

- Cumberland International Bus Sale \$138,868.00
- Mid-South Bus Center \$157,643.00
- Central State Bus Sales \$153,186.00

The recommendation is to purchase the bus from Cumberland International Bus Sales for \$138,868.00. Funds are included in the 2023-2024 bus replacement account. A grant from the Department of Education in the amount of \$15,000 will cover the cost of the seatbelts.

It was recommended to approve the purchase of a school bus. Board approval was unanimous on a motion from Quillen (Treasurer) and a second from Hirschy (Board Member).

D. Consideration of Approving Resolution Opposing Vouchers

The Greeneville City Schools Board of Education is responsible for providing a local system of public education. More than 50 years have passed since private school vouchers were first proposed, and during that time proponents have spent millions of dollars attempting to convince the public and lawmakers of the concept's efficacy, and yet, five decades later, vouchers remain controversial, unproven, and unpopular.

The Constitution of the State of Tennessee requires that the Tennessee General Assembly "provide for the maintenance, support and eligibility standards of a system of free public schools," with no mention of the maintenance or support of private schools.

The State of Tennessee, through work of the Tennessee General Assembly, the Tennessee Department of Education, the State Board of Education, and local school boards, has established nationally recognized standards and measures for accountability in public education.

- Vouchers eliminate public accountability by channeling tax dollars into private schools that do not face state-approved academic standards, do not

make budgets public, do not adhere to open meetings and records laws, do not publicly report on student achievement, and do not face the public accountability requirements contained in major federal laws, including special education.

- Vouchers have not been effective at improving student achievement or closing the achievement gap, with the most credible research finding little or no difference in voucher and public-school students' performance.
- Vouchers leave many students behind, including those with the greatest needs, because vouchers channel tax dollars into private schools that are not required to accept all students nor offer the special services they may need.
- Vouchers give choices to private schools, not students and parents, since private schools decide if they want to accept vouchers, how many and which students they want to admit, and the potentially arbitrary reasons for which they might later dismiss a student.
- Voucher programs divert critical dollars and commitment from public schools to pay private school tuition for a few students, including many who already attend private schools.
- Vouchers are an inefficient and ineffective use of taxpayer money because they compel taxpayers to support two school systems: one public and one private, the latter of which is not accountable for the taxpayer funds which they would receive.

Per the resolution, the Greeneville City Schools Board of Education unanimously opposes the Education Freedom Scholarship Act or any legislation or other similar effort to create a universal voucher program in Tennessee that would allow public tax dollars to be diverted to private schools or organizations through vouchers. Board approval was unanimous on a motion from Dr. Shepherd (Vice-Chair) and a second from Botta (Board Member)

X. Director's Report

Starnes thanked and congratulated:

1. Greeneville Schools In Action for their generous support of our schools! Starnes expressed his appreciation of all that they do in support of Greeneville City Schools.
2. Jackson Lampe on being recognized as one of seven JROTC Cadets for the State of TN after competing against 2300 eligible cadets. Greeneville City Schools applauds this achievement, and the standard Jackson has set for other GHS JROTC cadets to follow.
3. Cynthia Propst on being named the 2023 TN Science Teachers Association (TSTA) Teacher of the Year for grades 9-12. TSTA is the largest representation of science educators in the state of Tennessee. Greeneville City Schools celebrates Mrs. Propst's commitment to excellence in the teaching of science.
4. Greeneville City Schools' District Teachers of the Year (TOY). Erin Thomas, 1st Grade Teacher at Highland Elementary, PK through grade 5 TOY, Marsha Hybarger, English as a Second Language (ESL), grades 5-8 TOY, and Robert Zimmerman, History Teacher at GHS, grades 9-12 TOY. Congratulations to all the other school level TOY winners, Cathy Dickey, 1st grade teacher at EV, Trisha Wilhoit, Art teacher at HH, Robin Jones, TOPS grade K and 1st grade teacher, Laura Lenker, 7th grade Science teacher at GMS, and Rob Robbins, Automotive teacher at GTC.
5. Beverly, Chuck, Larry, and the IT Team on their successful completion of the 2023 Nationwide Cybersecurity Review (NCSR). The NCSR is designed to measure gaps and capabilities of State, Local, Territorial, and Tribal (SLTT) governments' cybersecurity programs and is based on the National Institute of Standards and Technology Cybersecurity Framework (NIST CSF). Completion of the NCSR affords your organization several benefits such as a baseline understanding of your cybersecurity maturity, eligibility for grant funding through Homeland Security and the Cybersecurity and Infrastructure Security Agency (CISA), and a Plan of Actions & Milestones document in support of remediation activities based on an organization's cybersecurity maturity.
6. Ellen Lipe on receiving the TN Association of School Business Officials (TASBO) James D. McCullough Distinguished Service Award. This award is for outstanding

service in financial affairs for the State of TN in the field of public education and for the support of the goals and objectives of TASBO.

7. GHS on receiving the TN Excellence in Civics Education School designation. GHS is one of 59 schools recognized for 2023 out of 1700 plus schools in the state. For more information on this award, please visit the following link.

https://www.tn.gov/content/dam/tn/education/governor%27scivicsseal/GovCivicsSeal_InfoSheet1.pdf

8. Congratulations to the Greene Devil Football Team on making it to the TSSAA 4A State Semifinals and to Coach Eddie Spradlen for being named the Region 1 Coach of the Year, Carson Quillen being named the Region 1 Player of the Year, Amanuel Dickson as Region 1 Co-Defensive Player of the Year, Quinton Brandon as Region 1 Specialist of the Year, along with a host of other Greene Devils who made the All-Region team.

XI. Adjournment

It was recommended to adjourn at approximately 6:15 p.m. Board approval was unanimous on a motion from Botta (Board Member) and a second from Dr. Shepherd (Vice-Chair).

Respectfully submitted,

Cindy Luttrell, Chair

Steve Starnes, Director of Schools



**FIELD TRIP & EXCURSION REQUEST
FORM Out-of-State or Overnight**

Name of the school: GHS

Person Requesting: Maj Stabiler

Purpose of the Field Trip: Emerald High School (SC) Physical Training Competition

Destination of Field Trip: Emerald High School Greenwood SC

Grade(s) of students attending: 9-12

Dates requested: 3-4 Feb 2024 Departure Time: 6:00 AM Return Time: 7:00 pm

Approximate # of students to attend: 30

Number, names and affiliation of chaperones attending:

1 female List names and affiliation: Cathleen Hopson

2 male List names and affiliation: Maj Stabiler, MSgt Talmage

("There must be at least one female and one male chaperone if the trip is for a mixed group. A chaperone of the same sex will accompany students on overnight trips")

All Greeneville City Schools guidelines for out-of-state and overnight field trips shall be followed in planning and conducting this field trip per BOE policy 4.302, and approval of my principal, the Director of Schools, and Board of Education is required. For an Overnight or Out-of-State Field Trip Request to be considered for approval, it must be received in the director of school's office 10 days prior to the scheduled date of the Board meeting at which it will be considered for approval.

[Signature], Principal

date approved 12-6-23

_____, Director of Schools

date approved _____

_____, Chairman, BOE

date approved _____

Cultivate the Mind and Impact the Heart through Excellence and Equity

This sheet has been updated as of January 17, 2024, with information through December 2023

**GREENEVILLE CITY SCHOOLS
2023 - 2024
ACTUAL LOCAL REVENUE COLLECTIONS**

	Property Tax		Property Tax - Prior Year		Clerk & Master		Interest & Penalty		Pick-up Taxes		In Lieu of - Local Utility		In Lieu of - Other	
	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024
July	\$ -	\$ -	\$ 9,188.59	\$ 10,188.94	\$ 2,701.20	\$ 2,979.58	\$ 2,087.99	\$ 2,414.16	\$ -	\$ -	\$ 12,443.75	\$ 11,499.77	\$ 259.49	\$ 203.70
August	\$ -	\$ -	\$ (8,670.69)	\$ 4,842.06	\$ 1,562.92	\$ 3,048.70	\$ 1,167.29	\$ 2,206.12	\$ -	\$ -	\$ 1,866.77	\$ 11,499.77	\$ -	\$ -
September	\$ -	\$ -	\$ 8,843.53	\$ 13,393.57	\$ 2,448.00	\$ 3,492.41	\$ 2,314.04	\$ 3,545.99	\$ -	\$ -	\$ 12,443.75	\$ -	\$ -	\$ -
October	\$ 310,678.20	\$ 300,200.18	\$ 24,699.44	\$ 13,256.39	\$ 4,361.74	\$ 2,550.59	\$ 5,053.22	\$ 3,113.41	\$ -	\$ -	\$ 23,922.74	\$ 25,443.45	\$ -	\$ -
November	\$ 254,859.08	\$ 236,404.18	\$ 5,023.07	\$ 7,881.24	\$ 2,940.19	\$ 2,117.35	\$ 2,216.44	\$ 2,275.60	\$ -	\$ -	\$ 11,478.99	\$ 13,943.67	\$ -	\$ 1,620.30
December	\$ 727,728.65	\$ 750,450.12	\$ 4,516.08	\$ 5,806.35	\$ 1,537.24	\$ 2,851.38	\$ 1,719.37	\$ 2,598.77	\$ -	\$ -	\$ 11,478.99	\$ 13,943.67	\$ 2,169.51	\$ -
January														
February														
March														
April														
May														
ADA Adj.														
June														
Totals	\$ 1,293,265.93	\$ 1,287,054.48	\$ 43,600.02	\$ 55,368.55	\$ 15,551.29	\$ 17,040.01	\$ 14,558.35	\$ 16,154.05	\$ -	\$ -	\$ 73,634.99	\$ 76,330.33	\$ 2,429.00	\$ 1,824.00
Commission	\$ 25,865.32	\$ 25,741.09	\$ 872.00	\$ 1,107.37	\$ 155.51	\$ 170.40	\$ 291.17	\$ 323.08	\$ -	\$ -	\$ 736.35	\$ 763.30	\$ 24.29	\$ 18.24
Total Net	\$ 1,267,400.61	\$ 1,261,313.39	\$ 42,728.02	\$ 54,261.18	\$ 15,395.78	\$ 16,869.61	\$ 14,267.18	\$ 15,830.97	\$ -	\$ -	\$ 72,898.64	\$ 75,567.03	\$ 2,404.71	\$ 1,805.76
Difference		\$ (6,211.45)		\$ 11,768.53		\$ 1,488.72		\$ 1,595.70		\$ -		\$ 2,695.34		\$ (605.00)

	Sales Tax		Bank Excise Tax		Mixed Drink Tax		Statutory Local Tax		Marriage Licenses		Subtotal		2022-23% of Actual	2023-24 % of Budget
	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024	2022-2023	2023-2024		
July	\$ 421,100.29	\$ 454,782.19	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 114.49	\$ 102.50	\$ 447,895.80	\$ 482,170.84	11.1%	11.8%
August	\$ 432,580.24	\$ 462,239.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90.13	\$ 65.89	\$ 428,596.66	\$ 483,901.64	10.6%	11.8%
September	\$ 496,616.02	\$ 437,371.98	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82.83	\$ 90.29	\$ 522,748.17	\$ 457,894.24	13.0%	11.2%
October	\$ 392,440.02	\$ 419,680.05	\$ -	\$ -	\$ 13,304.80	\$ -	\$ -	\$ -	\$ 136.42	\$ 129.34	\$ 774,596.58	\$ 764,373.41	19.2%	18.6%
November	\$ 420,689.99	\$ 419,812.07	\$ -	\$ -	\$ -	\$ 12,593.93	\$ -	\$ 35.00	\$ 121.80	\$ 134.22	\$ 697,329.56	\$ 696,817.56	17.3%	17.0%
December	\$ 415,739.51	\$ 426,635.17	\$ -	\$ -	\$ -	\$ 11,478.11	\$ 97.40	\$ 35.00	\$ 87.70	\$ 61.01	\$ 1,165,074.45	\$ 1,213,859.58	28.9%	29.6%
January											\$ -	\$ -	0.0%	0.0%
February											\$ -	\$ -	0.0%	0.0%
March											\$ -	\$ -	0.0%	0.0%
April											\$ -	\$ -	0.0%	0.0%
May											\$ -	\$ -	0.0%	0.0%
ADA Adj.											\$ -	\$ -	0.0%	0.0%
June											\$ -	\$ -	0.0%	0.0%
Totals	\$ 2,579,166.07	\$ 2,620,520.56	\$ -	\$ -	\$ 13,304.80	\$ 24,072.04	\$ 97.40	\$ 70.00	\$ 633.37	\$ 583.25	\$ 4,036,241.22	\$ 4,099,017.27		
Commission	\$ 25,791.66	\$ 26,205.21	\$ -	\$ -	\$ 133.05	\$ 240.72	\$ 0.97	\$ 0.70	\$ 6.33	\$ 5.83	\$ 53,876.66	\$ 54,575.94		
Total Net	\$ 2,553,374.41	\$ 2,594,315.35	\$ -	\$ -	\$ 13,171.75	\$ 23,831.32	\$ 96.43	\$ 69.30	\$ 627.04	\$ 577.42	\$ 3,982,364.56	\$ 4,044,441.33		
Difference		\$ 41,354.49		\$ -		\$ 10,767.24		\$ (27.40)		\$ (50.12)		\$ 62,776.05		

Total budgeted projection for 2023 - 2024 is **\$ 9,111,645** The year-to-date collection of **\$ 4,099,017** is **45.0%** of the total budgeted projection.
The amount collected year-to-date is **\$ 62,776** more than this time last year. (This amount does not reflect commission fees.)

Greeneville City Schools Comparative Summary of Revenue Collections For the Month Ended December 31, 2023

<u>LOCAL REVENUE</u>	2022-2023	2023-2024	Variance	Actual % Change
Property Tax	\$ 1,293,265.93	\$ 1,287,054.48	\$ (6,211.45)	-0.48%
Property Tax - Prior Year	43,600.02	55,368.55	\$ 11,768.53	26.99%
Clerk & Master	15,551.29	17,040.01	\$ 1,488.72	9.57%
Interest & Penalty	14,558.35	16,154.05	\$ 1,595.70	10.96%
Pick-Up Taxes	-	-	\$ -	0.00%
In Lieu Of - Local Utility	73,634.99	76,330.33	\$ 2,695.34	3.66%
In Lieu Of - Other	2,429.00	1,824.00	\$ (605.00)	-24.91%
Sales Tax	2,579,166.07	2,620,520.56	\$ 41,354.49	1.60%
Bank Excise Tax	-	-	\$ -	0.00%
Mixed Drink Tax	13,304.80	24,072.04	\$ 10,767.24	80.93%
Statutory Local Taxes	97.40	70.00	\$ (27.40)	-28.13%
Marriage Licenses	633.37	583.25	\$ (50.12)	-7.91%
Totals	\$ 4,036,241.22	\$ 4,099,017.27	\$ 62,776.05	1.56%

Note: Amounts reflected do not take into consideration commission fees. Property tax, Interest & Penalty and Pick-Up Tax commission fees are calculated at 2% of total collections, while all other categories are calculated at 1% of total collections.

** Total budgeted amount of local revenue attributable to the GTC is \$684,206*

<u>BEP/TISA REVENUE</u>	2022-2023	2023-2024	Variance
July	\$ 400,115.00	\$ 416,759.00	\$ 16,644.00
August	1,694,900.00	1,995,544.43	\$ 300,644.43
September	1,694,900.00	1,995,544.43	\$ 300,644.43
October	1,694,900.00	1,995,544.42	\$ 300,644.42
November	1,694,900.00	1,995,544.43	\$ 300,644.43
December	1,694,900.00	1,995,544.43	\$ 300,644.43
January			\$ -
February			\$ -
March			\$ -
April			\$ -
May			\$ -
June			\$ -
Totals	\$ 8,874,615.00	\$ 10,394,481.14	\$ 1,519,866.14

Greeneville City Schools

General Purpose Financial Report

For the Month of December 2023

Account #	Description	Month-to-Date	Year-to-Date	Total Budget	YTD % of Total Budget
<u>REVENUE</u>					
34555	Restricted for Education	\$ -	\$ -	107,655.00	0.0%
34765	Assigned for Support Services	\$ -	\$ -	6,519.00	0.0%
34785	Assigned for Capital Projects	\$ -	\$ -	42,413.00	0.0%
34790	Assigned for Other Purposes	\$ -	\$ -	200,981.00	0.0%
40000	Local Taxes	\$ 628,271.44	\$ 2,542,575.95	8,426,429.00	30.2%
41000	Marriage Licenses	\$ 125.52	\$ 478.74	1,010.00	47.4%
43511	Tuition	\$ 55,886.95	\$ 471,263.10	726,775.00	64.8% (1)
43570	Receipts from Individual Schools	\$ 11,015.90	\$ 54,477.80	157,369.00	34.6%
44000	Other Local Revenue	\$ 10,938.13	\$ 121,734.32	166,142.00	73.3%
46000	State Education Funds	\$ 2,877,016.94	\$ 10,826,106.47	21,388,912.00	50.6%
47100	Federal Through State Grants	\$ -	\$ -	50,000.00	0.0%
47600	Direct Federal Funds (ROTC)	\$ 5,763.01	\$ 23,244.79	54,185.00	42.9%
49000	Operating Transfers & Insurance Recovery	\$ 1,767,799.35	\$ 2,354,896.75	6,287,349.00	37.5%
Total Revenues		\$ 5,356,817.24	\$ 16,394,777.92	\$ 37,615,739.00	43.6%
<u>EXPENDITURES</u>					
		MTD	YTD		
71100	Regular Instruction	\$ 1,412,484.56	\$ 7,617,905.04	\$ 17,655,153.00	43.1%
71150	Alternative Instruction	12,686.82	60,136.86	135,284.00	44.5%
71200	Special Education	204,480.57	1,026,008.80	2,625,233.00	39.1%
71300	Vocational Education	28,418.03	583,218.48	954,925.00	61.1% (4)
71400	Student Body	-	120.00	1,500.00	8.0%
72110	Attendance	7,476.12	89,833.41	113,895.00	78.9% (4)
72120	Health Services	36,101.68	206,744.66	434,320.00	47.6%
72130	Other Student Support	103,555.39	592,471.77	1,446,780.00	41.0%
72210	Regular Instruction Support	112,527.58	650,077.81	1,481,739.00	43.9%
72220	Special Education Support	39,957.63	182,395.20	365,852.00	49.9%
72230	Vocational Education Support	-	3,833.77	28,099.00	13.6% (4)
72250	Technology	101,117.27	481,660.81	1,217,435.00	39.6%
72310	Board of Education	34,787.68	577,311.19	898,667.00	64.2% (2)
72320	Office of Director	34,079.55	241,107.42	443,131.00	54.4%
72410	Office of Principal	160,322.29	1,029,705.12	2,024,573.00	50.9%
72510	Fiscal Services	41,023.84	188,690.27	361,526.00	52.2%
72520	Human Resources	25,009.52	172,365.49	354,667.00	48.6%
72610	Operation of Plant	163,905.40	1,149,921.48	2,460,525.00	46.7% (3)
72620	Maintenance of Plant	159,742.27	699,489.13	1,125,394.00	62.2% (3)
72710	Transportation	214,966.19	575,594.22	1,369,699.00	42.0%
73300	Community Services	1,653.05	10,909.94	35,091.00	31.1% (3)
73400	Early Childhood Education	60,747.90	289,801.95	595,255.00	48.7%
76100	Capital Outlay	29,715.78	211,974.00	724,213.00	29.3%
81300	Education Debt Service	-	-	326,200.00	0.0%
99100	Operating Transfers	24,061.20	120,306.00	436,583.00	27.6%
Total Expenditures		\$ 3,008,820.32	\$ 16,761,582.82	\$ 37,615,739.00	44.6%
Net Revenue (Expense)		\$ 2,347,996.92	\$ (366,804.90)		

Explanation of Footnotes

(1) Tuition Count as of 12/31/2023 is 590 Students

(2) 2023-2024 Liability and Workers' Compensation Insurance Payments Reflected

(3) Reflects Open Purchase Orders for Routine Maintenance & Operations Expenditures and Open POs for Family Resource Center Purchases

(4) Reflects Expenditures for Innovative Schools Model Grant and Attendance Software.

(5) Encumbrances Total \$1,212,149.83

Greeneville City Schools

Federal Projects Financial Report

For the Month of December 2023

<u>REVENUE</u>	<u>Month-to-Date</u>	<u>Year-to-Date</u>	<u>Total Budget</u>	<u>YTD % of Total Budget</u>
Consolidated Administration	\$ 6,482.19	\$ 45,928.45	\$ 108,227.00	42.4%
Title I-A	\$ 38,550.03	\$ 165,469.87	536,528.00	30.8%
Title I-A Neglected	\$ -	\$ 23,644.68	70,934.00	33.3%
Title II-A	\$ 9,747.92	\$ 38,922.39	91,911.00	42.3%
Title III	\$ 5,174.15	\$ 5,174.15	11,156.00	46.4%
Title IV	\$ 3,596.61	\$ 15,024.04	58,091.00	25.9%
21st Century Learning	\$ -	\$ 40,623.47	313,950.00	0.0%
Title V	\$ 5,135.96	\$ 38,691.73	91,411.00	42.3%
IDEA Part B	\$ 64,409.94	\$ 259,339.15	662,168.00	39.2%
IDEA Pre-School	\$ 3,095.82	\$ 9,504.31	13,343.00	71.2%
ESSER 3.0**	\$ 165,210.36	\$ 465,609.60	1,814,620.00	N/A
Fiscal Pre-Monitoring Supports Grant**	\$ -	\$ -	-	N/A
Resilient School Communities Grant**	\$ 9,463.02	\$ 84,123.38	317,659.00	N/A
Literacy Training Stipend Grant**	\$ -	\$ -	-	0.0%
Math Implementation Suppor Grant**	\$ 13,000.00	\$ 13,000.00	73,250.00	0.0%
ARP IDEA**	\$ -	\$ 15,027.50	15,028.00	100.0%
ARP Homeless	\$ -	\$ -	12,289.00	0.0%
Total Revenues	\$ 323,866.00	\$ 1,220,082.72	\$ 4,190,565.00	29.1%
	<u>MTD</u>	<u>YTD</u>		
Consolidated Administration	\$ 9,704.19	\$ 55,632.64	\$ 108,227.00	51.4%
Title I-A	43,474.13	210,383.42	536,528.00	39.2%
Title I-A Neglected	5,911.17	29,555.85	70,934.00	41.7%
Title II-A	6,603.36	45,525.75	91,911.00	49.5%
Title III	1,395.96	8,840.34	11,156.00	79.2%
Title IV	3,596.61	18,620.65	58,091.00	32.1%
21st Century Grant	29,843.29	104,096.47	313,950.00	33.2%
Title V	21,819.36	60,511.09	91,411.00	66.2%
IDEA Part B	66,972.80	326,696.99	662,168.00	49.3%
IDEA Pre-School	3,164.45	12,668.76	13,343.00	94.9%
ESSER 3.0 **	95,568.23	483,846.03	1,814,620.00	26.7%
Fiscal Pre-Monitoring Supports Grant**	-	-	-	N/A
Resilient School Communities Grant**	24,165.52	108,288.90	317,659.00	34.1%
Literacy Training Stipend Grant**	-	2,311.10	-	N/A
Math Implementation Suppor Grant**	-	13,000.00	73,250.00	17.7%
ARP IDEA **	-	15,027.50	15,028.00	100.0%
ARP Homeless**	12,288.91	12,288.91	12,289.00	100.0%
Total Expenditures	\$ 324,507.98	\$ 1,507,294.40	\$ 4,190,565.00	36.0%
Net Revenue (Expense)	\$ (641.98)	\$ (287,211.68)	\$ -	

*Encumbrances Total \$ 262,079.08

** Reflects CARES Act Funding Grants



CENTRAL
Technologies, Inc.

We have prepared a quote for you

GHS Avigilon Camera Installs

Quote # 018731
Version 1

Prepared for:

Greeneville City Schools

Chuck Broyles
broylesc@gcschools.net

Products

Description	Price	Qty	Ext. Price
24C-H5A-3MH 3X8MP; WDR; 270 degree max field of view; Lightcatcher; 3.3-5.7MM; Camera Only	\$2,067.78	4	\$8,271.12
H5AMH-AD-PEND1 Outdoor pendant mount adapter. For use with the Avigilon H5A Multisensor	\$155.44	4	\$621.76
H5AMH-DO-COVR1 Dome bubble and cover; for outdoor surface mount or pendant mount; clear. For use with the Avigilon H5A Multisensor	\$155.44	4	\$621.76
WLMT-1001 Wall Mount for large pendant camera	\$94.63	4	\$378.52
ACC7-ENT ACC 7 Enterprise camera channel	\$246.88	4	\$987.52
CAMERA INSTALL CAMERA INSTALL - OUTDOOR - INCLUDING DATA DROP - OUTDOOR - INCLUDING DATA DROP	\$525.00	4	\$2,100.00
12.0W-H5A-FE-DO1 12.0 MP; Fisheye Dome Camera; Day/Night; WDR; 1.6mm f/2.0; Next-Generation Analytics	\$992.60	1	\$992.60
ACC7-ENT ACC 7 Enterprise camera channel	\$246.88	1	\$246.88
CAMERA INSTALL CAMERA INSTALL - INDOOR - INCLUDING DATA DROP - INDOOR - INCLUDING DATA DROP	\$350.00	1	\$350.00

Subtotal: **\$14,570.16**

 Statement of Work

total of 4 (270 3way) Avigilon cameras to external of GHS Fieldhouse (2 on fieldhouse - 2 on GHS main building) for outdoor parking lot coverage.

also 1 internal fisheye camera for hall coverage inside building
 Including installation and license for each.



Purchasing Vehicle

Description	Qty
TIPS-USA TIPS-USA CONTRACT - 230105 - Technology Solutions CONTRACT - 230105	1

GHS Avigilon Camera Installs



Prepared by:

Knoxville HQ

Monica Farner
800-315-4132
monica@centralinc.com

Prepared for:

Greeneville City Schools

129 W Depot St
Greeneville, TN 37743
Chuck Broyles
(423) 787-8000
broylesc@gcschools.net

Quote Information:

Quote #: 018731

Version: 1
Delivery Date: 01/05/2024
Expiration Date: 02/29/2024

Quote Summary

Description	Amount
Products	\$14,570.16
Total: \$14,570.16	

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Knoxville HQ

Signature: Monica Farner
Name: Monica Farner
Title: VP Client Services
Date: 01/05/2024

Greeneville City Schools

Signature: _____
Name: Chuck Broyles
Date: _____



We have prepared a quote for you

GCOC

Quote # 018175
Version 1

Prepared for:

Greeneville City Schools

Chuck Broyles
broylesc@gcschools.net

Products

Description	Price	Qty	Ext. Price
AVIGILON ACC SERVER INSTALLATION	\$1,250.00	1	\$1,250.00
NVR5-STD-32TB-S19-NA NVR5 STD 32TB 2U Rack Mnt; WS19 NA	\$16,924.60	1	\$16,924.60
ACC7-ENT ACC 7 Enterprise camera channel	\$246.88	5	\$1,234.40
12.0W-H5A-FE-DO1 12.0 MP; Fisheye Dome Camera; Day/Night; WDR; 1.6mm f/2.0; Next-Generation Analytics	\$992.60	3	\$2,977.80
24C-H5A-3MH 3X8MP; WDR; 270 degree max field of view; Lightcatcher; 3.3-5.7MM; Camera Only	\$2,067.78	2	\$4,135.56
H5AMH-AD-PEND1 Outdoor pendant mount adapter. For use with the Avigilon H5A Multisensor	\$155.44	2	\$310.88
H5AMH-DO-COVR1 Dome bubble and cover; for outdoor surface mount or pendant mount; clear. For use with the Avigilon H5A Multisensor	\$155.44	2	\$310.88
H4AMH-AD-IRIL1 Optional IR illuminator ring; up to 30m (100ft); for use with H4AMH-DO-COVR1.	\$303.73	2	\$607.46
WLMT-1001 Wall Mount for large pendant camera	\$94.63	2	\$189.26
CRNMT-1001 Corner Mount Adapter	\$85.95	2	\$171.90
CAMERA INSTALL - INDOOR - INCLUDING DATA DROP	\$350.00	3	\$1,050.00
CAMERA INSTALL - OUTDOOR - INCLUDING DATA DROP	\$525.00	2	\$1,050.00
ACC-ENT-SMART-1YR ACC Enterprise Smart Plan; 1 year	\$25.04	9	\$225.36

Subtotal: \$30,438.10

GCOC



Prepared by:

Knoxville HQ

Monica Farner
800-315-4132
monica@centralinc.com

Prepared for:

Greeneville City Schools

129 W Depot St
Greeneville, TN 37743
Chuck Broyles
(423) 787-8000
broylesc@gcschools.net

Quote Information:

Quote #: 018175

Version: 1
Delivery Date: 01/16/2024
Expiration Date: 02/29/2024

Quote Summary

Description	Amount
Products	\$30,438.10
Total: \$30,438.10	

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Knoxville HQ

Signature: Monica Farner
Name: Monica Farner
Title: VP Client Services
Date: 01/16/2024

Greeneville City Schools

Signature: _____
Name: Chuck Broyles
Date: _____



We have prepared a quote for you

GMS ACC Server and Upgrade Licenses

Quote # 009884
Version 1

Prepared for:

Greeneville City Schools

Chuck Broyles
broylesc@gcschools.net

Avigilon Server And Software Upgrade

Description	Price	Qty	Ext. Price
BUYBOARD BUYBOARD CONTRACT - 604-20 - Radio Communications CONTRACT - 604-20	\$0.00	1	\$0.00
NVR5-PRM-160TB-S19-NA NVR5 PRM 160TB 2U Rack Mnt; WS19 NA	\$52,638.22	1	\$52,638.22
NVR5-PSU-1100W-A1-NA PSU; 1100W; NVR5 PRM 96-160TB; NA	\$668.47	1	\$668.47
ACC-ENT-SMART-1YR ACC Enterprise Smart Plan; 1 year	\$25.04	56	\$1,402.24
2.0C-H5SL-D1 2.0 MP, WDR, LightCatcher, Day/Night, Indoor Dome,	\$303.40	5	\$1,517.00
H4SL-MT-DCIL1 In-Ceiling Adapter for H5SL/H4SL Dome Cameras	\$35.39	5	\$176.95
ACC7-ENT ACC 7 Enterprise camera channel	\$246.88	5	\$1,234.40
CAMERA INSTALL CAMERA INSTALL - INDOOR - INCLUDING DATA DROP - INDOOR - INCLUDING DATA DROP	\$350.00	5	\$1,750.00

Subtotal: **\$59,387.28**

Installation And configuration

Description	Price	Qty	Ext. Price
ENGINEER Installation and Configuration	\$2,500.00	1	\$2,500.00

Subtotal: **\$2,500.00**

GMS ACC Server and Upgrade Licenses



Prepared by:

Knoxville HQ

Monica Farner
800-315-4132
monica@centralinc.com

Prepared for:

Greeneville City Schools

129 W Depot St
Greeneville, TN 37743
Chuck Broyles
(423) 787-8000
broylesc@gcschools.net

Quote Information:

Quote #: 009884

Version: 1
Delivery Date: 01/16/2024
Expiration Date: 02/29/2024

Quote Summary

Description	Amount
Avigilon Server And Software Upgrade	\$59,387.28
Installation And configuration	\$2,500.00
Total:	\$61,887.28

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Knoxville HQ

Signature: Monica Farner
Name: Monica Farner
Title: VP Client Services
Date: 01/16/2024

Greeneville City Schools

Signature: _____
Name: Chuck Broyles
Date: _____



We have prepared a quote for you

All Sites To ACC7

Quote # 020109
Version 1

Prepared for:

Greeneville City Schools

Beverly Miller
millerb@gcschools.net



Eastview

Description	Price	Qty	Ext. Price
ACC-ENT-SMART- ACC Enterprise Smart Plan; 1 year 1YR	\$25.04	17	\$425.68

Subtotal: **\$425.68**

Hal Henard

Description	Price	Qty	Ext. Price
ACC-ENT-SMART- ACC Enterprise Smart Plan; 1 year 1YR	\$25.04	32	\$801.28

Subtotal: **\$801.28**

Highland

Description	Price	Qty	Ext. Price
ACC-ENT-SMART- ACC Enterprise Smart Plan; 1 year 1YR	\$25.04	17	\$425.68

Subtotal: **\$425.68**

Tusculum

Description	Price	Qty	Ext. Price
ACC-ENT-SMART- ACC Enterprise Smart Plan; 1 year 1YR	\$25.04	18	\$450.72

Subtotal: **\$450.72**

Greeneville Middle

Description	Qty
Upgrade Taken Care Of in Server upgrade quote	

George Clem

Description	Qty
Upgrade Taken Care Of in Server upgrade quote	



Greeneville High

Description	Qty
High School is already on ACC7	

Unity 8 Option

Description	Price	Qty	Ext. Price
If you want to take all the sites to Unity 8 after they are on ACC7 It will be \$2378.80 for an additional 95 licenses, High School, and additional cameras at GMS and GCOC. Upgrade licensing on this quote can be used to upgrade to Unity 8 within one calendar year			
UNITY-ENT-SMART-1YR Unity Enterprise Smart Plan; 1 year	\$25.04	95	\$2,378.80

Subtotal: **\$2,378.80**

Optional Services

Description	Price	Qty	Ext. Price
ENGINEER Engineering Time to take all sites to ACC7	\$2,500.00	1	\$2,500.00
ENGINEER Engineering Time to take all sites to ACC8	\$2,500.00	1	\$2,500.00

Subtotal: **\$5,000.00**



All Sites To ACC7

Prepared by:

Knoxville HQ

Mark Smith
615-445-9057
mark@centralinc.com

Prepared for:

Greeneville City Schools

129 W Depot St
Greeneville, TN 37743
Beverly Miller
(423) 787-8000
millerb@gcschools.net

Quote Information:

Quote #: 020109

Version: 1
Delivery Date: 01/16/2024
Expiration Date: 04/15/2024

Quote Summary

Description	Amount
Eastview	\$425.68
Hal Henard	\$801.28
Highland	\$425.68
Tusculum	\$450.72
Unity 8 Option	\$2,378.80
Optional Services	\$5,000.00

Total: \$9,482.16

Knoxville HQ

Signature: _____
Name: Mark Smith
Title: Strategic Account Manager
Date: 01/16/2024

Greeneville City Schools

Signature: _____
Name: Beverly Miller
Date: _____



Quote

Bridgewater, NJ 08807
Phone: 908-458-1874
Email: j.weber@revaluetech.com

Quote:
Date: January 3, 2024
Valid Thru: March 5, 2024

To: Greenville City Schools

Rep:
Carrier:
RVT Associate: Jonathan Weber

Make	Model	Carrier	Quantity	Price	Total
Apple	iPhone 11 64GB	Verizon	1	\$ 125.00	\$ 125.00
Apple	iPhone 12 64GB	Verizon	12	\$ 155.00	\$ 1,860.00
Apple	iPhone 13 128GB	Verizon	49	\$ 265.00	\$ 12,985.00
Apple	iPhone 13 256GB	Verizon	3	\$ 290.00	\$ 870.00
Apple	IPHONE 14 PRO 128 DEEP PURPLE	Verizon	1	\$ 470.00	\$ 470.00
Apple	iPhone XR 64GB	Verizon	2	\$ 80.00	\$ 160.00
Total					\$ 16,470.00

Thank you for your business!

GENERAL TERMS and REQUIREMENTS

1. Grading:

1. Tier 1 – The device must meet the following Fully Functional criteria: Power On, No Housing or LCD damage including cracks in housing or LCD, LCD distortion, Broken Glass, missing parts, MDM locks, custom software, FRP, ABM, and iCloud. (Full Value).
2. Tier 2 – The device will power on and be free of MDM locks, custom software, FRP, ABM, and iCloud, but the digitizer (screen) or housing does not meet the criteria of Tier 1, Cracks or Broken. The device has Digitizer or LCD damage. (30% of Quoted Value).
3. Tier 3 – The device will not power on, locked to MDM, custom software, FRP, ABM, iCloud, or other security features. (Recycle)

2. Preparation and Processing:

1. To prevent processing delays, Revalue Tech, LLC recommends the customer perform a factory reset and remove all SIM/ Memory cards from each device prior to releasing the shipment.
2. Customers are required to deactivate each device from the wireless account and disable any Anti-Theft, MDM, ABM, FMIP, Knox, FRP Device Protection, and/or Security Locks that would prohibit the resale of the device.
3. For any buybacks that require advanced processing measures to conform to (Preparation and Processing 2.2) there will be a delay in process times and or the product may not meet the terms of the initial quote. Devices with any activation or user locks are not eligible for trade-in. Devices with outstanding financial obligations are not eligible for trade-in.
4. Revalue Tech, LLC will make one attempt to recover any device that has company locks or custom software; however, we cannot guarantee a successful outcome. Revalue Tech, LLC will notify customers of any handsets that are unable to be data cleared. The customer will have thirty days from the time of notification to rectify any issues. If the customer does not respond or fails to meet the obligations of the quote on their equipment Revalue Tech reserves the right to change or classify the equipment per Section 1. Grading above. Any shipments received and confirmed by our warehouse cannot and will not be returned.



Greeneville City Schools

Quote ID: 0037-022073

Devices must be received by February 29, 2024.

Manufacturer	Device Name/Model	Carrier/Network	Quantity	Price	Total Buyback Value
Apple	Apple iPhone 11 - 64GB - Verizon	Verizon	1	\$125	\$125
Apple	Apple iPhone 12 - 64GB - Verizon	Verizon	12	\$190	\$2,280
Apple	Apple iPhone 13 - 128GB - Verizon	Verizon	49	\$280	\$13,720
Apple	Apple iPhone 13 - 256GB - Verizon	Verizon	35	\$300	\$1,500
Apple	Apple iPhone 14 Pro - 128GB - Verizon	Verizon	1	\$455	\$455
Apple	Apple iPhone Xr - 64GB - Verizon	Verizon	2	\$80	\$160
Program: e-Cycle Defective 25% Quote		Total Quantity:			70
Date Prepared: 01/08/2024		Total Payment (based on conditions below)			\$18,240
Prepared By: michael.rose@e-cycle.com					

900
68
17,640

e-Cycle Terms and Conditions:

All wireless devices that are not on the price list will receive a flat rate of \$1.00 each.

Wireless devices received in any of the conditions defined below will receive up to 25% of the buyback price value:

- (1) Cracked glass
- (2) Damaged housing

Wireless devices received in any of the conditions defined below will receive a flat rate of \$1.00 each:

- (1) No power
- (2) Defective Display (e.g. Bleeding LCD)
- (3) Missing keys or non-functioning keypad
- (4) Software programming issues
- (5) Water exposure
- (6) Lost or Stolen

Please deactivate all wireless services, delete all personal and corporate information, and remove the SIM or memory card before sending the wireless device to e-Cycle. If e-Cycle finds any SIM or memory cards, they will be removed and shredded for data security purposes free of charge.

IMPORTANT NOTE: Failure to deactivate your wireless device, the Apple "Find My iPhone/iPad," or Samsung "Find My Mobile" security feature prior to sending the device to e-Cycle will result in a considerable delay in processing and a significant reduction or forfeiture of payment. iOS devices must be disowned from DEP prior to shipment to e-Cycle. These devices will not be returned. Any locked devices received will be temporarily held and the client will be notified that deactivation/unlocking needs to take place for these devices. Any device that is identified as Lost or Stolen will not be returned and will result in the device being recycled. e-Cycle's full Terms and Conditions can be found at <https://www.e-cycle.com/terms-conditions/>

Due to price fluctuations in the market for used wireless devices, devices must be received inactive, unlocked, and in good working condition based on the information above by February 29, 2024 to receive the above quoted pricing. This quote expires on February 29, 2024.

This document contains information that is confidential and privileged. You may not use, copy, or disclose the information contained in this document.

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Debbie Collins
 Greeneville
 Used Cell Phone/Tablet Quote
 January 8, 2024

QUANTITY	PHONE	MODEL	GB	NOTES	PRICE	TOTAL
49	Apple	iPhone 13	128GB	fully functional, non-damaged	\$310.00	\$15,190.00
12	Apple	iPhone 12	64GB	fully functional, non-damaged	\$150.00	\$1,800.00
3	Apple	iPhone 13	256GB	fully functional, non-damaged	\$310.00	\$930.00
2	Apple	iPhone XR	64GB	fully functional, non-damaged	\$90.00	\$180.00
1	Apple	iPhone 14 Pro	128GB	fully functional, non-damaged	\$500.00	\$500.00
1	Apple	iPhone 11	64GB	fully functional, non-damaged	\$120.00	\$120.00
68						\$18,720.00

QUANTITY	PHONE	MODEL	GB	NOTES	PRICE	TOTAL
49	Apple	iPhone 13	128GB	damaged	\$150.00	\$7,350.00
12	Apple	iPhone 12	64GB	damaged	\$90.00	\$1,080.00
3	Apple	iPhone 13	256GB	damaged	\$150.00	\$450.00
2	Apple	iPhone XR	64GB	damaged	\$20.00	\$40.00
1	Apple	iPhone 14 Pro	128GB	damaged	\$200.00	\$200.00
1	Apple	iPhone 11	64GB	damaged	\$90.00	\$90.00
68						\$9,210.00

Cassandra Welch
 PaceButler Corporation
 Account Representative
 (405)755-3131 ext. 345
 cwelch@pacebutler.com

***Quoted prices are based on current price lists as of the date of the quote and up to 10 days thereafter. Prices are contingent on functionality and condition of the devices as received by PaceButler. All quoted prices are for devices that are free from all DEP, MDM, iCloud, Carrier, and SIM locks.**

Phone prices listed above apply to these carriers: AT&T, T-Mobile, Verizon, Sprint, and US Cellular (other carriers may have reduced pricing). Cell Phones must be fully functional with intact screens and housing. Cell phones that do not meet our requirements for purchase will not be returned. Deactivate service to cell phones before shipping.

iPhone Recycling Quotes 2024

iPhone Recycling Quotes 2024									
Company	(49) iPhone 13 (128GB)	(3) iPhone 13 (256GB)	(12) iPhone 12 (64GB)	(1) iPhone 14 Pro (128GB)	(2) iPhone XR (64GB)	(1) iPhone 11 (64GB)	Total	Quote Expires	Notes
RevalueTech	\$265.00	\$290.00	\$155.00	\$470.00	\$80.00	\$125.00	\$16,470.00	3/5/2024	Have worked with this company in the past with no problems.
e-Cycle	\$265.00	\$290.00	\$155.00	\$470.00	\$80.00	\$125.00	\$17,640.00	2/29/2024	Have worked with this company in the past with no problems.
BuyBackTronics	\$280.00	\$305.00	\$187.00	\$490.00	\$80.00	\$125.00	\$17,654.00	1/18/2024	Attached, we've included the quote with the projected pricing for that time. Please keep in mind that the date being so far out we will be unable to tell what the exact price would be. This is an idea of what the prices may be at that date but they fluctuate up and down. We are unsure if the prices may exponentially drop and if that is the case we will be obligated to offer bulk market pricing for that time. Same will apply if prices are higher. Please let us know if you have any more questions. BuyBackTronics Support Team
Pace Butler	\$310.00	\$310.00	\$150.00	\$500.00	\$90.00	\$120.00	\$18,720.00	2/29/2024	Have never worked with this company





Authorized Dealer of

AutomatedLogic

Proposal

Proposal# 21-0002

January 10, 2023

Greeneville City Schools

Attn: Phillip Graham

Quote# 21-0002 Highland Elementary – Controls Change-out
HSC Building Automation & Controls TIPS# 10059

Dear Mr. Graham,

HSC is providing this proposal for the consideration of changing out the existing Andover Controls System at the referenced location and replace it with an Automated Logic Web CTRL System. The following scope of work shall be provided should proposal be accepted.

-A total of twenty-five (25) Ethernet based ALC unitary controllers shall be provided/installed for the Heat Pump Units that shall be housed in a Nema 1 type enclosure. It is understood that (13) of the existing Vertical HP's shall be replaced with new units with an outside air damper. Each unit will have a digital space temp sensor provided for each controller as well as a discharge air temp sensor and current transformer to monitor fan status. New controllers shall operate both the heating and cooling functions as needed. New control wiring shall be provided for the space temp sensors only. Existing control wiring shall be reused for the remaining sensors and terminations to the new controller. Additional wire shall be supplied if needed or existing is too short to make the proper terminations. Unit count includes controls for two new RTU's that will be replaced. Control points to be monitored and or controlled shall be as follows:

*Space Temp

*Discharge Air Temp

*Fan Status

HSC Building Automation & Controls

www.hsbcac.com

Knoxville Office:
3511 Papermill Dr. NW
Knoxville TN, 37909

Chattanooga Office:
6441 Bonny Oaks Drive, Suite E
Chattanooga TN, 37416



Authorized Dealer of

AutomatedLogic

- *Fan Enable/Disable
- *Compressor
- *Rev. Valve
- *Water Valve
- *OA Damper - only for (13) new vertical wshp's

-An additional ALC Ethernet controller shall be furnished for the [Loop Pump Control Panel](#). As the existing Andover Water Temp sensors are not compatible with ALC controllers, HSC shall furnish a total of four (4) strap-on sensors that shall monitor the LWST, LWRT, Boiler S. Temp and Tower S. Temp. Additionally, a new Outside Air Temp sensor shall also be furnished along with five (5) current transformers which shall monitor the Boiler Pump Status, Spray Pump Status, Tower Fan Status, and both Loop Pump Statuses. The existing Boiler Control Valve and Loop Pump VFD shall remain which shall operate off the ALC controller. Control points to be monitored and or controlled shall be as follows:

- *Loop Water Supply Temp
- *Loop Water Return Temp
- *Outside Air Temp
- *Tower Supply Temp
- *Boiler Supply Temp
- *Boiler Pump Status
- *Tower Fan Status
- *Spray Pump Status
- *Loop P-1 Status
- *Loop P-2 Status
- *Boiler Alarm

- *Loop P-1 Enable/Disable
- *Loop P-2 Enable/Disable
- *Boiler Enable/Disable
- *Tower Damper
- *Tower Spray Pump
- *Tower Fan
- *Loop P-1 VFD
- *Boiler Valve

HSC Building Automation & Controls

www.hscbac.com

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6441 Bonny Oaks Drive, Suite E
Chattanooga TN, 37416



Authorized Dealer of

AutomatedLogic

-One (1) controller shall be provided to control/monitor the two (2) exhaust fans for the Boys/Girls EF's on the Lower level and the same shall be provided for the Boys/Girls EF's on the Upper level. Controller shall enable/disable fans as well as monitor their status.

-All above mentioned shall be Networked via Cat5e cable for communication thru a series of Ethernet Switches and back to a Router. Owner shall be responsible for providing the required amount of IP addresses for the new ALC controllers to allow for remote access back to the main existing ALC workstation.

-HSC shall provide all programming, graphics, and system commissioning on the ALC system for this location.

-Owner training is provided free of charge in Knoxville if needed.

-All installation shall be provided during normal business hours and shall be coordinated with owner. Pricing does not include working overtime, weekends, or holidays.

-Regular Labor Rates applied. Davis Bacon Rates not included.

-Any Life Safety Controls, Devices, and or installation is excluded.

-Existing Andover controllers that will be replaced shall be turned over to owner.

-Materials and labor shall have 1-year warranty.

Controls/Installation: \$95,410.00

Sincerely,

Troy Storm

HSC Building Automation & Controls
Knoxville, TN 37909

Cc: John Hughes

HSC Building Automation & Controls

www.hscbac.com

Knoxville Office:
3511 Papermill Dr. NW
Knoxville TN, 37909

Chattanooga Office:
6441 Bonny Oaks Drive, Suite E
Chattanooga TN, 37416



Axiom Rooftop Water Source Heat Pump (GERW)

Unit Overview

WSHP Model	GWSC060
Unit Configuration	Rooftop
Compressor Stages	1-stage
Nominal Capacity	5 Ton
Refrigerant Type	R-410a
Refrigerant Circuit	Heating & Cooling
Heat Exchanger	Copper
Airflow Configuration	Downflow
Airflow Application	Convertible



Airflow and Fluid Information

Airflow Properties		Fluid Properties	
Design Airflow	2000 cfm	Freeze Protection	30 F (For Water loop)
Hinged Service Access / Filters	Hinged pnl/2 in pltd filters MERV 8	Fluid Type	Water
Fresh Air Selection	Econ, com enth 0-100% w/ baro rel	Fluid Freeze Point	32.00 F
		Fluid Flow Rate	15.0 gpm
		Fluid PD	10.0 ft H2O

Electrical, Motor, and Fan Information

Electrical Information		Efficiency Information @ AHRI	
Unit Voltage	208-230/60/3	Cooling Efficiency Ratio	14.80 EER
External Static Pressure (ESP)	0.50 in H2O	Cooling Power	4.13 kW
Total External TSP	0.57 in H2O	Heating Efficiency Ratio	4.86 COP (kW/kW)
Total FLA - 208V	25.10 A	Heating Power	4.44 kW
Total FLA - 230V	25.10 A		
Min Circuit Ampacity (MCA - 208V)	30.00 A		
Min Circuit Ampacity (MCA - 230V)	30.00 A		
Max Overload Protection (MOP - 208V)	45.00 A		
Max Overload Protection (MOP - 230V)	45.00 A		
Unit Mounted Disconnect	Non-fused disconnect		
Through the Base Provisions	Through the base electrical		
Convenience Option	Powered conv. outlet		
Motor & Fan			
Supply Fan/Drive/Type Motor	Standard drive motor		
Supply Motor HP	1.00 hp		
Drive Type	Direct		
Indoor RPM	853 rpm		

Coil Performance

	Main Cooling	Main Heating
Gross Capacity	64.1 MBh	73.7 MBh
Gross Sensible Capacity	54.4 MBh	
Net Capacity	62.4 MBh	75.4 MBh
Net Sensible Capacity	52.7 MBh	
Heat of Rejection/Absorption	76.5 MBh	60.3 MBh
Entering Fluid Temperature	86.0 F	68.0 F
Leaving Fluid Temperature	96.2 F	60.0 F
Entering Dry Bulb (EDB)	80.6 F	68.0 F
Leaving Dry Bulb (LDB)	56.6 F	102.4 F
Entering Wet Bulb (EWB)	66.2 F	
Leaving Wet Bulb (LWB)	56.1 F	



Controls

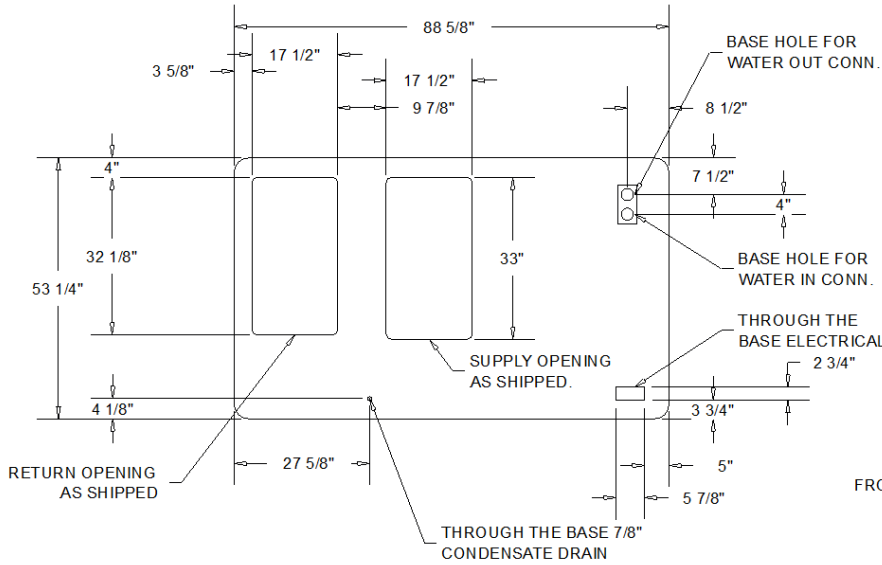
Control Type	Microprocessor controls
Communication Option	BACnet Communications Interface
Zone Sensor	Programmable zone sensor
System Monitoring Controls - 1	Discharge air sensing tube

Acoustical Performance

Sound Power Level (Lw)	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
Ducted Discharge	80 dB	84 dB	71 dB	69 dB	65 dB	63 dB	63 dB	56 dB
Ducted Inlet	75 dB	73 dB	63 dB	59 dB	58 dB	53 dB	52 dB	45 dB
Outdoor Noise	90 dB	90 dB	85 dB	85 dB	83 dB	79 dB	74 dB	68 dB

Information for LEED Projects

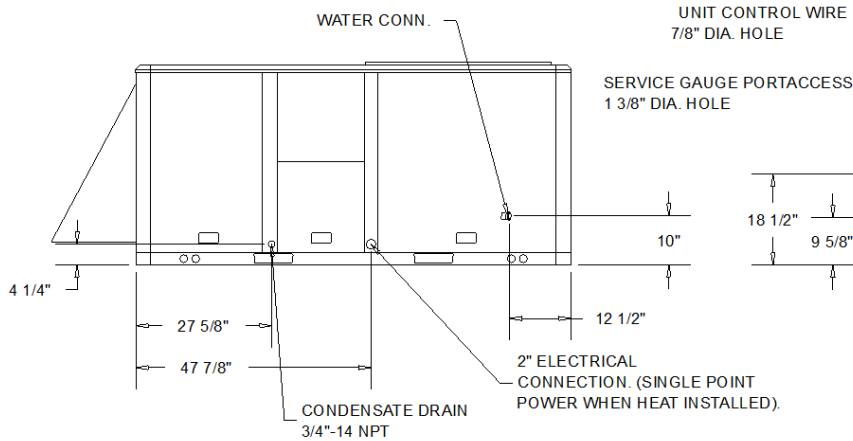
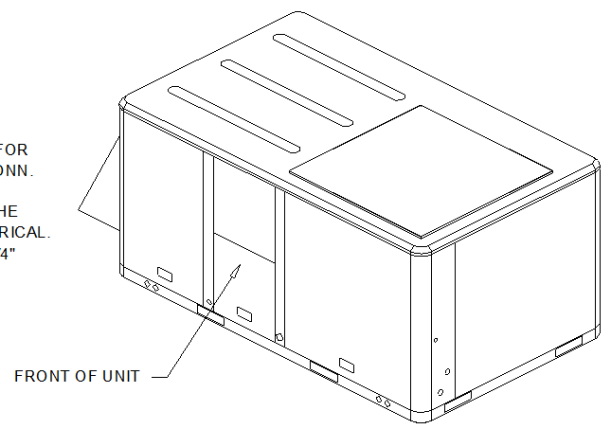
ASHRAE 90.1/CSA compliance	Yes
Refrigerant Charge ckt 1	7.6 lb
Rated Gross Cooling Capacity (AHRI)	69.6 MBh
Cooling Efficiency Ratio @ AHRI	14.80 EER
Heating Efficiency Ratio @ AHRI	4.86 COP (kW/kW)
Compressor Power	3.62 kW
Actual Motor Power	0.55 bhp



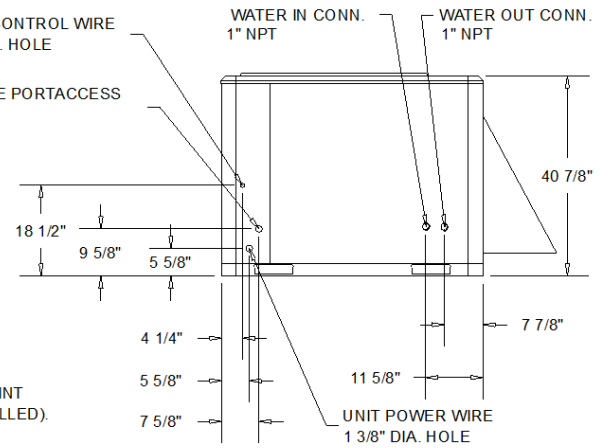
PLAN VIEW

FILTER SIZE	QTY
16" x 25" x 2"	4

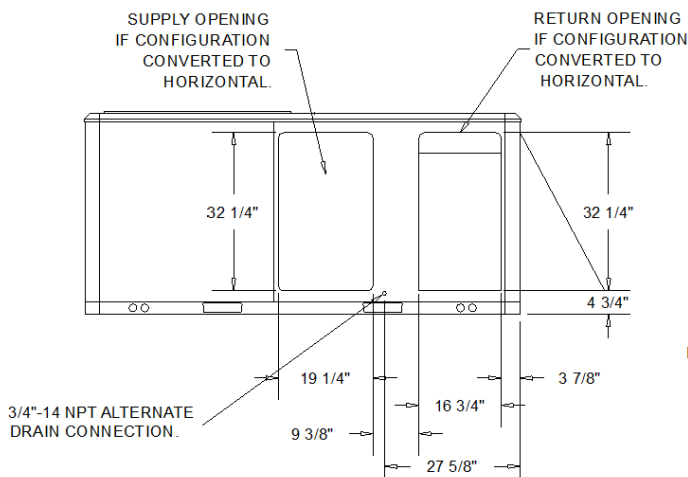
NOTE: WATER IN/OUT FITTING CONN. ARE INSIDE THE UNIT.



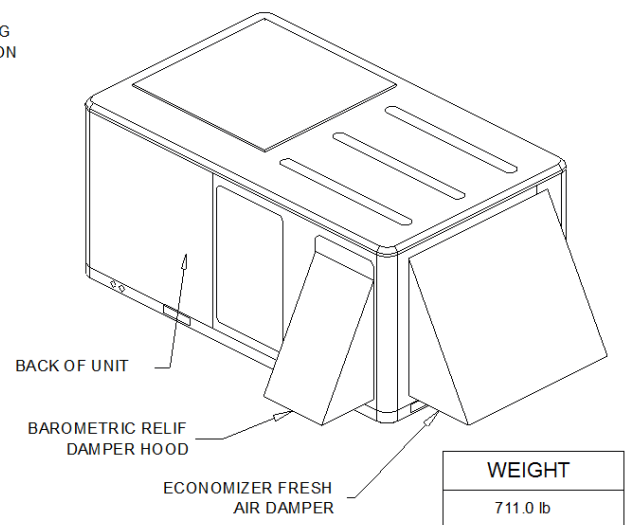
FRONT VIEW



SIDE VIEW



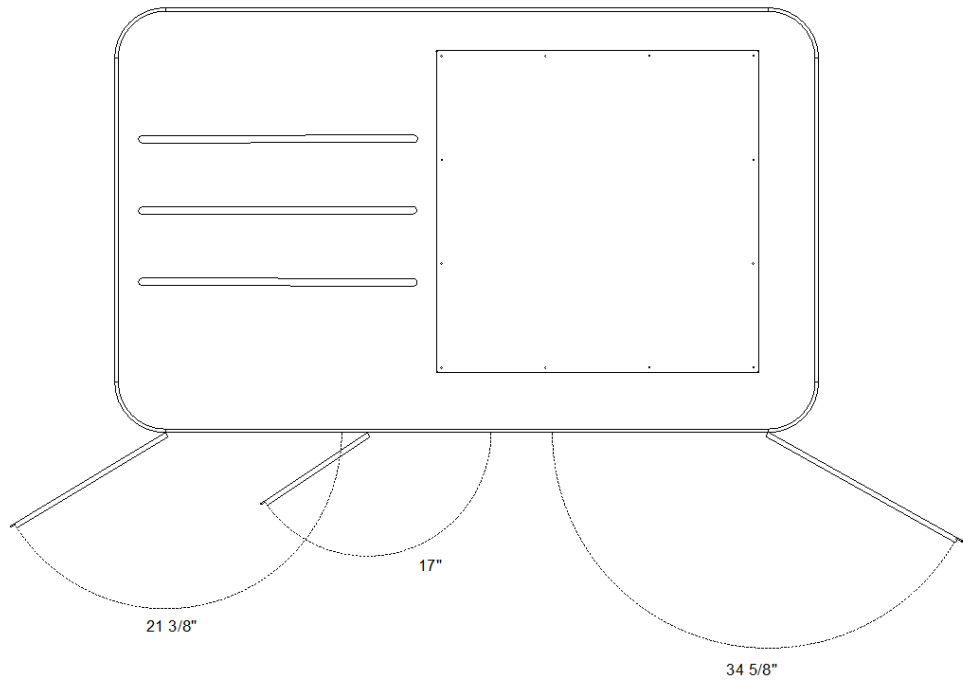
BACK VIEW



WEIGHT
711.0 lb

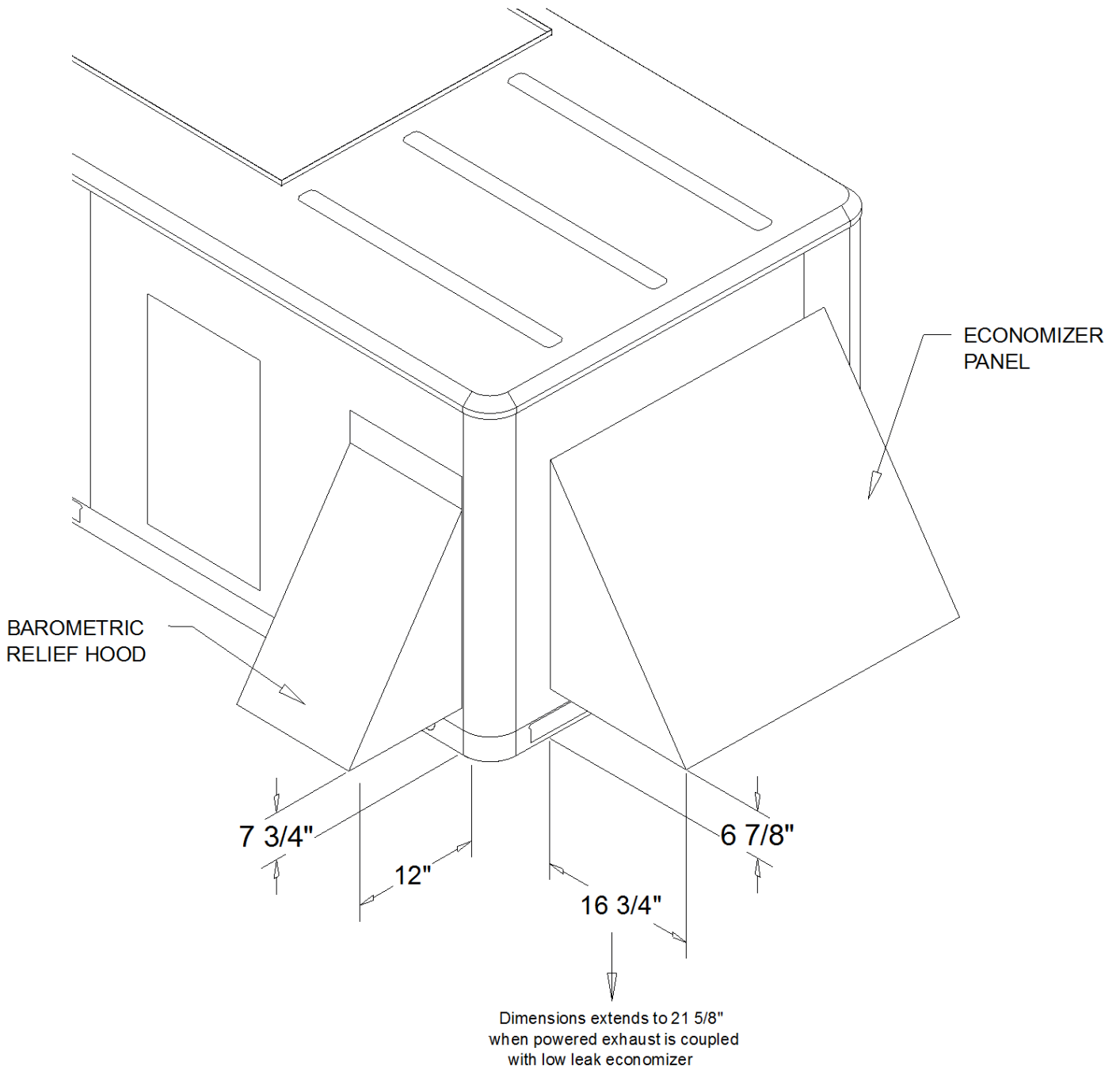


Job Name: MWR Highland ES WSHP
Prepared For:
Unit Tag: RTU-01, RTU-02
Quantity: 2

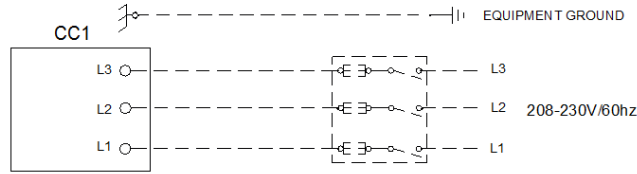


SWING DIAMETER
FOR HINGED DOORS OPTION

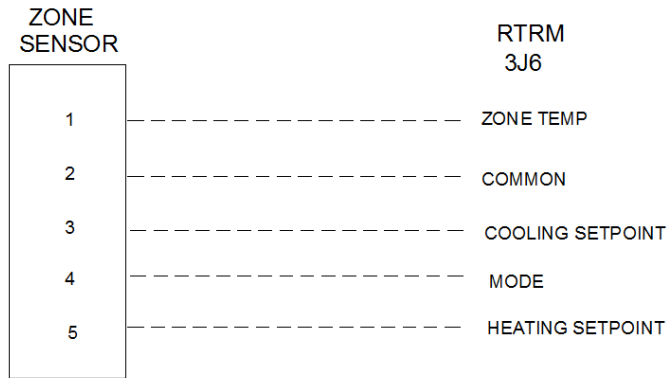
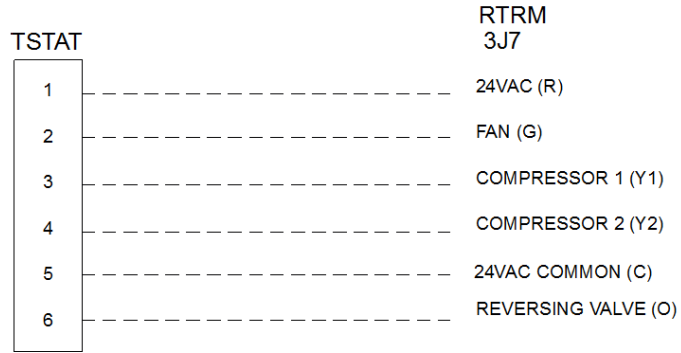
UNIT SHOWN WITH ECONOMIZER & BAROMETRIC RELIEF HOOD



UNIT POWER WIRING 3 PHASE POWER SUPPLY



FIELD WIRING BELOW IS FOR SENSOR CONNECTIONS



NOTES:

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
2. LOW VOLTAGE CONTROL WIRING MUST NOT BE RUN IN CONDUIT WITH POWER WIRING.

<p style="text-align: center;">⚠ WARNING</p> <p style="text-align: center;">HAZARDOUS VOLTAGE!</p> <p style="font-size: 0.8em;">DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE. FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.</p>	<p style="text-align: center;">⚠ AVERTISSEMENT</p> <p style="text-align: center;">TENSION DANGEREUSE!</p> <p style="font-size: 0.8em;">COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE. PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS. NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.</p>	<p style="text-align: center;">⚠ ADVERTENCIA</p> <p style="text-align: center;">¡VOLTAJE PELIGROSO!</p> <p style="font-size: 0.8em;">DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CERRAJE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR. EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.</p>
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Casing

Unit casing shall be constructed of zinc coated, heavy gauge, galvanized steel. Exterior surfaces shall be cleaned, phosphatized, and finished with a weather-resistant baked enamel finish. Unit's surface shall be tested 672 hours in a salt spray test in compliance with ASTM B117. Cabinet construction shall allow for all maintenance on one side of the unit.

All exposed vertical panels and top covers in the indoor air section shall be insulated with a 1/2", 1.0 lb pound density foil-faced, fire-resistant, permanent, odorless, glass fiber material. The base of the downflow unit shall be insulated with 1/2", 1.0 lb pound density foil-faced, closed-cell material. The downflow unit's base pan shall have no penetrations within the perimeter of the curb other than the raised 1 1/8" high supply/return openings to provide an added water integrity precaution, if the condensate drain backs up. The base of the unit shall have provisions for forklift and crane lifting.

General - Rooftop 3-10 ton

The units shall be convertible airflow. The entering fluid operating range shall be between 25 degrees F and 120 degrees F as standard from the factory for all units. Cooling performance shall be rated in accordance with ANSI/AHRI/ASHRAE/ISO Standard 13256-1 testing procedures. All units shall be factory assembled, internally wired, fully charged with R-410A and 100 percent run tested to check cooling operation, fan and blower rotation, and control sequence before leaving the factory. Wiring internal to the unit shall be colored and numbered for simplified identification. Units shall be ETL listed and labeled, classified in accordance to UL 1995/CSA C22.2 236-2011 4th Edition. Canadian units shall be Canadian ETL Certified.

Economizer - 3 to 10 Ton

This accessory shall be available with or without barometric relief. The assembly includes fully modulating 0-100 percent motor and dampers, minimum position setting, preset linkage, wiring harness with plug, spring return actuator and fixed dry bulb control. The barometric relief shall provide a pressure operated damper that shall be gravity closing and shall prohibit entrance of outside air during the equipment off cycle. Optional solid state or differential enthalpy control shall be available for either factory or field installation. The economizer arrives in the shipping position and shall be moved to the operating position by the installing contractor.

Thermostatic expansion valve

The equipment is provided with a bi-directional thermal expansion valve. This device allows operation of the equipment in the range of 25 to 120 degrees F entering fluid temperatures and 40 to 95 degrees F entering air temperatures. The equipment operates with one variable (entering water temperature, entering air temperature, cfm or gpm) at an extreme condition. All other variables must be within the nominal range of operation.

ReliaTel standalone controls

Units shall be completely factory wired with necessary controls and contactor pressure lugs or terminal block for power wiring. Units shall provide an external location for mounting fused disconnect device. Micro-processor controls shall be provided for all 24 volt control functions. The resident control algorithms shall make all heating, cooling and/or ventilating decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from set point and provides better building comfort. A centralized Micro-processor shall provide anti-short cycle timing and time delay between compressors to provide a higher level of machine protection.

Rooftop refrigerant circuits - Heat pump

Each refrigerant circuit will have bidirectional thermostatic expansion valve, service pressure ports and refrigerant line filter driers factory installed. An area will be provided for replacement suction line driers.



Water-to-refrigerant system - Copper heat exchanger

Heat Exchanger - The water-to-refrigerant heat exchanger is of a high quality coaxial coil for maximum heat transfer. The copper coil is deeply fluted to enhance heat transfer and minimize fouling and scaling. The coil has a working pressure of 650 psig on refrigerant side and 400 psig for the water side. The factory shall provide rubber isolation to the heat exchanging device to enhance sound attenuation.

Reversing Valve - The reversing valve is a pilot operating sliding piston type with replaceable encapsulated magnetic coil. This valve is energized in cooling.

Tubing - The refrigerant tubing shall be of 99% pure copper. This system shall be free from contaminants and conditions such as drilling fragments, dirt and oil. All refrigerant & water lines shall be insulated with elastomeric insulation that has a 3/8-inch thick wall in the air-side section of the unit.

Air-to-refrigerant coil

Internally finned, 5/16" copper tubes mechanically bonded to a configured aluminum plate fin shall be standard. Coils shall be leak tested at the factory to ensure the pressure integrity. All coils are pressure and leak tested at minimum of 450 psig. The completely assembled refrigerant system is leak tested at a minimum of 240 psig with a refrigerant and nitrogen mixture. All dual compressor units shall have intermingled evaporator coils. Sloped condensate drain pans are standard.

Two-Inch Pleated Filters (MERV8 & 13)

Two inch pleated media filters shall be available on all models.

2" Filter

Two inch standard filters shall be factory supplied on all units.

Compressor(s)

All units shall have direct-drive hermetic, scroll type compressors, with centrifugal oil pump providing positive lubrication to moving parts. Motor shall be suction gas-cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate voltage. Crankcase heater, internal temperature and current-sensitive motor overloads shall be included for maximum protection. Compressors shall have internal spring isolation and sound muffling to minimize vibration transmission and noise. External high pressure and low pressure switches shall be standard.

Reference or Comparative Enthalpy

Reference Enthalpy is used to measure and communicate outdoor humidity. The unit receives and uses this information to provide improved comfort cooling while using the economizer. Comparative Enthalpy measures and communicates humidity for both outdoor and return air conditions, and return air temperature. The unit receives and uses this information to maximize use of economizer cooling, and to provide maximum occupant comfort control. Reference or Comparative Enthalpy option shall be available when a factory or field installed Downflow Economizer is ordered. This option is available on all downflow models.

Through the base electrical with disconnect switch

Factory installed 3-pole, molded case disconnect switch with provisions for through the base electrical connections are available. The disconnect switch will be installed in the unit in a water tight enclosure with access through a swinging door. Factory wiring will be provided from the switch to the unit high voltage terminal block. The switch will be UL/CSA agency recognized. Note: The disconnect switch will be sized per NEC and UL guidelines but will not be used in place of unit overcurrent protection.

30 degree Freezestat

For applications that do not utilize anti-freeze, freeze protection is provided on units as standard by the use of a 30 freezestat device. Entering water temperature should be greater than or equal to 40 degrees. During startup it is recommended that the entering water temperature be greater than or equal to 45 degrees to avoid nuisance tripping.



Discharge Line Thermostat

A bi-metal element discharge line thermostat is installed as a standard option on the discharge line of each system. This standard option provides extra protection to the compressors against high discharge temperatures in case of loss of charge, extremely high ambient and other conditions which could drive the discharge temperature higher. Discharge line thermostat is wired in series with high pressure control. When the discharge temperature rises above the protection limit, the bi-metal disc in the thermostat switches to the off position, opening the 24 VAC circuit. When the temperature on the discharge line cools down, the bi-metal disc closes the contactor circuit, providing power to the compressor. When the thermostat opens the fourth time, the ReliaTel control must be manually reset to resume operation on that stage.

FIOPS - Hinged Access Doors

Sheet metal hinges are available on the Filter/Evaporator Access Door and the Compressor/Control Access Door.

Discharge Air Sensing Kit

This kit provides true discharge air sensing in heating models. This sensor is a status indicator readable through Tracer or Tracker. The kit is functional only with the ReliaTel Options Module.

Phase monitor

Phase monitor shall provide 100% protection for motors and compressors against problems caused by phase loss, phase imbalance, and phase reversal. Phase monitor is equipped with an LED that provides an ON or FAULT indicator. There are no field adjustments. The module will automatically reset from a fault condition.

Unit Top

The top cover shall be one piece construction or, where seams exist, it shall be double-hemmed and gasket-sealed. The ribbed top adds extra strength and enhances water removal from unit top.

BACnet Communications

The BACnet communications interface allows the unit to communicate directly with a generic open protocol BACnet MS/TP Network Building Automation System Controls.

Powered or Unpowered Convenience Outlet

This is a GFCI, 120v/15amp, 2 plug, convenience outlet, either powered or unpowered. When the convenience outlet is powered, a service receptacle disconnect will be available. The convenience outlet is powered from the line side of the disconnect or circuit breaker, and therefore will not be affected by the position of the disconnect or circuit breaker. This option can only be ordered when the Through the Base Electrical with either the Disconnect Switch or Circuit Breaker option is ordered.

Stainless Steel Drain Pan

This option provides excellent corrosion and oxidation resistance. Drain pan shall be reversible and Constructed of 304 stainless steel.

Indoor fan

All 3 to 5 ton units shall be direct drive, FC centrifugal fans.

All motors shall be thermally protected. All indoor fan motors meet the U.S. Energy Policy Act of 1992 (EPACT).



Axiom Standard Efficiency Water Source Heat Pump

Unit Overview

WSHP Model	GEVG042B
Unit Configuration	Std eff vertical R-410A
Nominal Capacity	3 1/2 ton
Refrigerant Type	R-410a
Refrigerant Circuit	Heating & cooling
Return-Air Arrangement	Left
Supply-Air Arrangement	Top
Weights and Dimensions	
Approximate unit weight	252.0 lb
Approximate shipping weight	312.0 lb
Unit width	21.500 in
Unit depth	26.000 in
Unit height	38.000 in



Airflow and Fluid Information

Airflow Properties		Fluid Properties	
Design Airflow	1330 cfm	Fluid Type	Water
Filter Type	2" MERV 8	Fluid Freeze Point	32.00 F
Water In/Out Diameter	0.750 in	Fluid Flow Rate	10.50 gpm
		Fluid PD	27.34 ft H2O

Electrical, Motor, and Fan Information

Electrical Information		Efficiency Information @ AHRI	
Unit Voltage	208-230/60/3	Cooling Efficiency Ratio	14.9 EER
External Static Pressure (ESP)	0.500 in H2O	Heating Efficiency Ratio	4.70 COP (kW/kW)
Total External SP	0.681 in H2O	Efficiency Information @ Design	
Total FLA	16.80 A	Cooling Power	3.02 kW
Min Circuit Ampacity (MCA)	21.00 A	Heating Power	3.69 kW
Max Overload Protection (MOP)	30.00 A		
Motor & Fan			
Motor Type	Variable ECM - Constant Torque		
Supply Motor HP	0.750 hp		

Coil Performance

	Main Cooling	Main Heating
Gross Capacity	42.90 MBh	54.00 MBh
Gross Sensible Capacity	32.90 MBh	
Net Capacity	41.34 MBh	55.56 MBh
Net Sensible Capacity	31.34 MBh	
Heat of Rejection/Absorption	51.63 MBh	42.97 MBh
Entering Fluid Temperature	86.00 F	68.00 F
Leaving Fluid Temperature	95.83 F	59.81 F
Entering Dry Bulb (EDB)	80.60 F	68.00 F
Leaving Dry Bulb (LDB)	59.08 F	106.15 F
Entering Wet Bulb (EWB)	66.20 F	
Leaving Wet Bulb (LWB)	56.11 F	

Heating Section

Function	Std eff vertical R-410A	Heating EAT	68.00 F
Heat Type & Capacity	0.00 kW	Heating LAT	106.15 F
Input Heating Capacity	55.56 MBh		



Job Name: MWR Highland ES WSHP
Prepared For:
Unit Tag: WSHP-03
Quantity: 1

Hose Kit

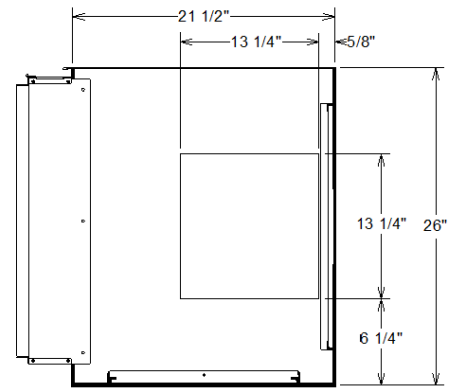
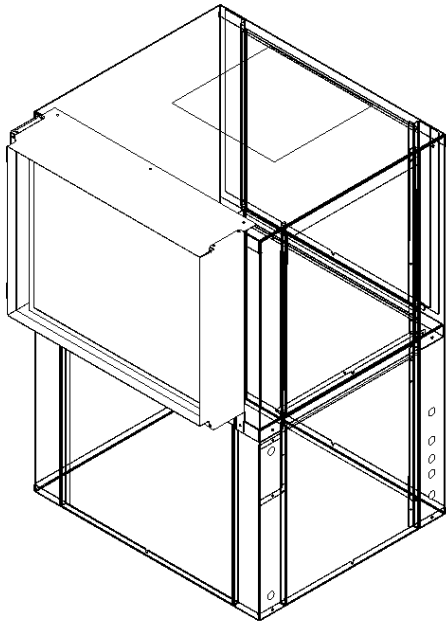
Hose Kit Diameter	0.750 in
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Controls

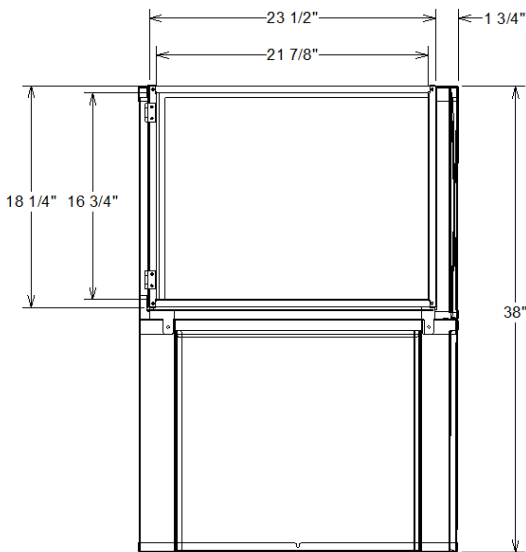
Control Types	Deluxe 24v controls
Fault Sensors	Condensate overflow sensor

Information for LEED Projects

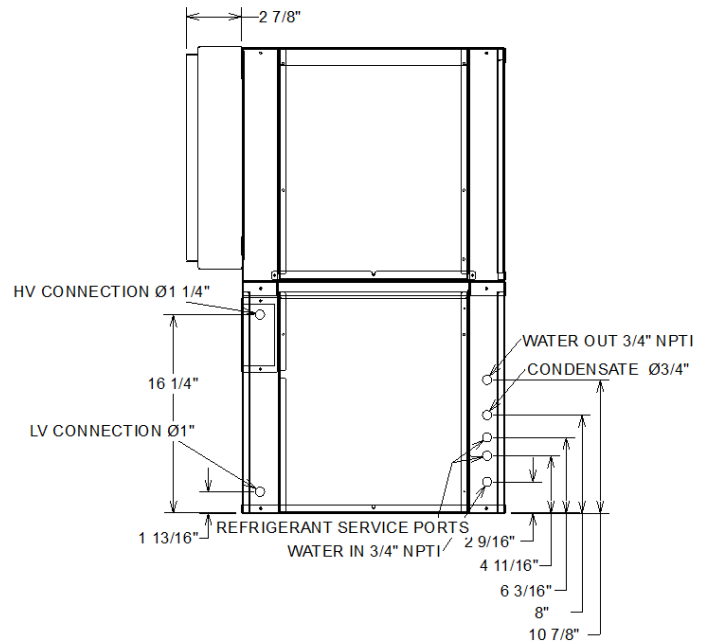
ASHRAE 90.1/CSA compliance	Yes
Refrigerant Charge	3.9 lb
Actual Motor Power kW	0.46 kW



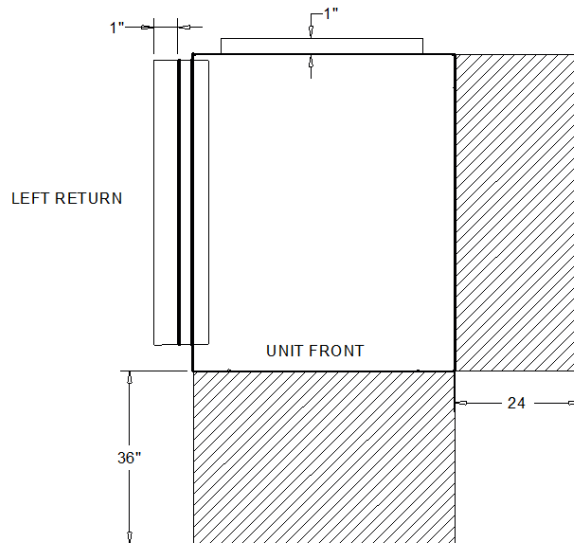
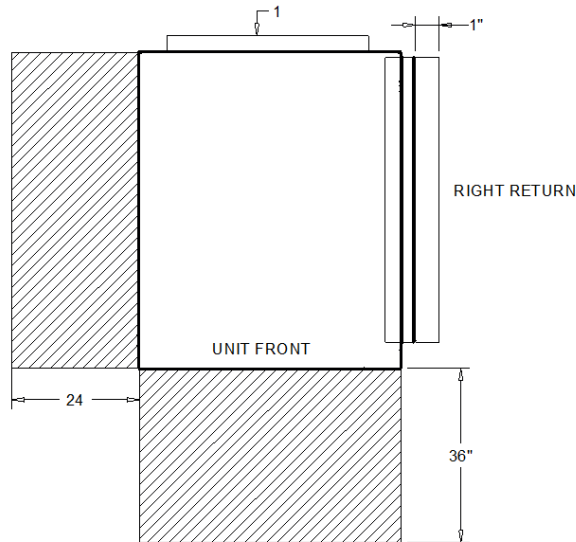
TOP VIEW



LEFT VIEW



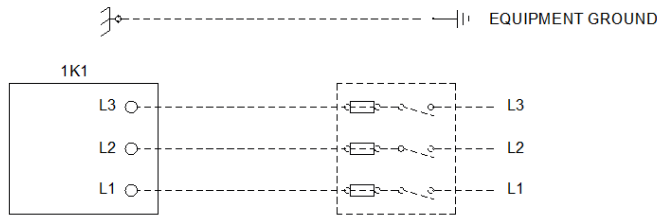
FRONT VIEW



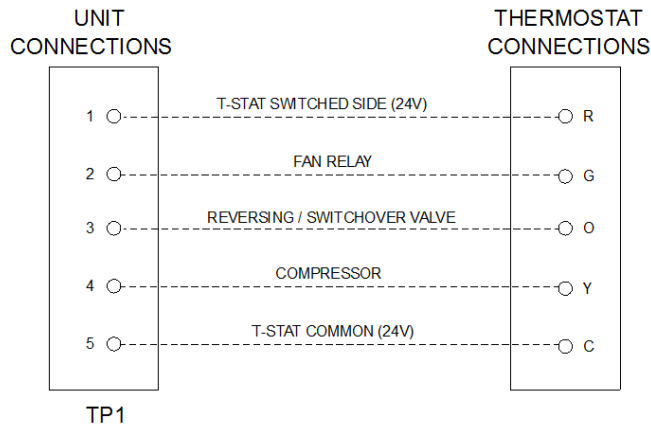
CLEARANCE - TOP VIEW

NOTE: THE 24" SIDE CLEARANCE IS FOR OPTIMAL ACCESS ONLY. SIDE CLEARANCE IS NOT A REQUIREMENT AS MOST COMPONENTS CAN BE ACCESSED FROM THE FRONT OF THE UNIT.

UNIT POWER WIRING 3 PHASE POWER SUPPLY



FIELD WIRING BELOW IS FOR THERMOSTAT CONNECTIONS



NOTES:

1. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY OTHERS. SOLID LINES INDICATE WIRING BY THE TRANE CO.
2. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE, AND LOCAL REQUIREMENTS.

<p style="text-align: center;">⚠ WARNING</p> <p style="text-align: center;">HAZARDOUS VOLTAGE!</p> <p style="font-size: 8px;">DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE. FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.</p>	<p style="text-align: center;">⚠ AVERTISSEMENT</p> <p style="text-align: center;">TENSION DANGEREUSE!</p> <p style="font-size: 8px;">COUPER TOUTES LES TENSIONS ET OUVRIER LES SECTIONNEUR SA DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS. NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.</p>	<p style="text-align: center;">⚠ ADVERTENCIA</p> <p style="text-align: center;">¡VOLTAJE PELIGROSO!</p> <p style="font-size: 8px;">DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCION DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR. EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.</p>
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General

Equipment shall be completely assembled, piped, internally wired, fully charged with R-410A and test operated at the factory. Filters, thermostat field interface Terminal Plug (TP1), and all safety controls are furnished and factory installed. The system water inlet and outlet connections shall be female NPT composed of either copper or a bronze option. The equipment shall contain ETL-US-C, and AHRI-ISO 13256-1 listings and labels prior to leaving the factory. Service and caution area labels shall also be placed on the unit in their appropriate locations..

Unit casing

Panels shall be insulated with either 1/2-inch thick dual density bonded glass fiber, 1/2-inch thick foil faced glass fiber, or closed cell elastomeric foam. Foil faced insulation edges are encapsulated to prevent glass fibers from entering the airstream. The elastomeric foam is UL listed with a flammability rating of 5V. The glass fiber insulations have a flame spread of 25 or less and a smoke developed classification of 50 or less per ASTM E-84 and UL 723. The dual density insulation has a minimum rated service air velocity of 3600 feet per minute (FPM) and meets the erosion requirements of UL 181. Access for inspection and cleaning of the unit drain pan, coils and fan section shall be provided. The unit shall be installed for proper access. Procedures for proper access inspection and cleaning of the unit shall be included in the maintenance manual.

Sound attenuation package

Sound attenuation will be applied as a standard feature in the product design. The sound reduction package (1/2 through 5-ton equipment) will include vibration isolation to the compressor and water-to-refrigerant coil, unit base stiffeners, and a second stage of vibration isolation to the compressor and water-to-refrigerant base pan.

The unit shall be tested and rated in accordance with AHRI 260.

Compressor - 5 Ton and under

The unit shall contain a high efficiency rotary or scroll compressor. External vibration isolation shall be provided by rubber mounting devices located underneath the mounting base of the compressor. A second isolation of the refrigeration assembly shall be supported under the compressor mounting base. Internal thermal overload protection shall be provided. Protection against excessive discharge pressure shall be provided by means of a high pressure switch. Protection against a loss of charge shall be provided by a low pressure safety.

Air-to-refrigerant coil

The air-to-refrigerant coil shall consist of copper tubes mechanically bonded into evenly spaced aluminum fins. All coils shall be leak tested to 450 psig and pressure tested to 650 psig at the factory to ensure the pressure integrity. The tubes are to be completely evacuated of air and correctly charged with proper volume of refrigerant prior to shipment.

The refrigerant coil distributor assembly shall be of orifice style with round copper distributor tubes. The tubes shall be sized consistently with the capacity of the coil. Suction headers shall be fabricated from rounded copper pipe.

A thermostatic expansion valve shall be factory selected and installed for a wide range of control.



Water-to-refrigerant system - Copper heat exchanger

Heat Exchanger - The water-to-refrigerant heat exchanger is of a high quality coaxial coil for maximum heat transfer. The copper coil is deeply fluted to enhance heat transfer and minimize fouling and scaling. The coil has a working pressure of 400 psig on the water side and 650 psig on the refrigerant side. The factory shall provide rubber isolation to the heat exchanging device to enhance sound attenuation.

Reversing Valve - The reversing valve is a pilot operating sliding piston type with replaceable encapsulated magnetic coil. This valve is energized in cooling.

Tubing - The refrigerant tubing shall be of 99% pure copper. The system shall be free from contaminants and conditions such as drilling fragments, dirt and oil. All water lines that are located in the indoor air stream shall be insulated with 3/8 inch thick elastomeric insulation. The refrigerant lines that are located in the indoor air stream that are not directly over the drain pan area shall be insulated with 3/8 inch thick elastomeric insulation.

Electrical

The unit control box shall contain all necessary devices to allow heating and cooling operation to occur from a remote wall thermostat. These devices shall be as follows:

- 24 VAC energy limiting class II 75 VA (minimum) transformer

- 24 VAC blower motor relay

- 24 VAC compressor contactor for compressor control

- Field thermostat connections shall be provided for ease of hook-up to a Terminal Plug (TP1) located in the unit's control box

- Lockout circuit which controls cycling of the compressor shall be provided to protect the compressor during adverse operating conditions. The device may be reset by momentarily interrupting power to the 24 VAC control circuit. For units with the UC400B, if there is a fan/system switch on the sensor module, placing it in the ?OFF? position will reset the latched diagnostics.

Deluxe controller

The deluxe control package provides a 75 VA transformer. The controller includes a lockout relay, anti-short cycle compressor protection, random start delay, brown-out protection, time delay, general alarm, compressor delay on start and an open relay for pump request. Optional wiring from the factory for condensate overflow, hot gas reheat, electric heat and compressor enable is provided. Three LED (light emitting diodes) are included for diagnostics of the equipment.

Stainless Steel Drain Pan (Drain Pan or Digit 40 = B)

The stainless steel drain pan and the drain stubout shall be constructed of heavy gauge type 304 stainless steel. The bottom of the drain pan shall be sloped on two planes which pitches the condensate to the drain connection. The stainless steel material shall meet the requirements of ASTM A480/A480M and comply with the chemical composition requirements of ASTM A240. The drain pan shall be insulated to prevent moisture accumulation on the drain pan material. The drain pan insulation material shall be suitable to be used in the airflow and consists of closed cell elastomeric insulation, complying with flammability requirements of UL94-5V.

Motor/Fan

The motor shall be an ECM variable speed motor with thermal overload protection. The ECM motor is programmed to provide soft starting and a constant torque over a range of static pressures and airflows. For the Deluxe Basic control options, an ECM control board is provided that allows easy field adjustment to manually set the fan speed to meet the specific application. For the UC400b, Tracer TU must be used to set the fan speed.

The fans shall be placed in a draw-through configuration and shall be a centrifugal, direct drive type. They are constructed of corrosion resistant galvanized material. Removal of the motor and fan wheel shall be made possible utilizing the factory provided orifice ring.

Merv 8 filter



A 2" MERV 8 filter(s) shall be provided with the unit. A MERV 8 shall be rated per ASHRAE 52.2. The filters shall be classified per UL Standard 900 for flammability. The filter shall have an initial resistance of 0.21" W.G. or less at 500 FPM. The filter shall have a final resistance of 1.0" W.G.

Thermostatic expansion valve

The equipment is provided with a bidirectional thermal expansion valve. This device allows operation of the equipment in the range of 25 to 110 degrees F entering fluid temperatures and 55 to 85 degrees F entering air temperatures. The equipment operates with one variable (entering water temperature, entering air temperature, cfm or gpm) at an extreme condition. All other variables must be within the nominal range of operation.

Matte Insulation - Vertical 0.5 - 5 ton

Panels shall be insulated with ½-inch thick dual density bonded glass fiber. Corner posts are insulated with closed cell elastomeric foam. The exposed side of the dual density fiberglass is a high density erosion proof material suitable for use in air streams up to 3600 feet per minute (FPM) and meets the erosion requirements of UL 181. It has a flame spread of less than 25 and a smoke developed classification of less than 50 per ASTM E-84 and UL 723. The elastomeric foam is UL listed with a flammability rating of UL 94-5V.

Stainless Steel Drain Pan

The unit drain pan and the drain stubout shall be constructed of heavy gauge type 304 stainless steel. The stainless steel material shall meet the requirements of ASTM A480/A480M and comply with the chemical composition requirements of ASTM A240. The drain pan shall be insulated to prevent moisture accumulation on the drain pan material. The drain pan insulation material shall be suitable to be used in the airflow and consists of closed cell elastomeric insulation, complying with flammability requirements of UL 94-5V.

Standard sound attenuation package

Sound attenuation will be applied as a standard feature in the product design. The sound reduction package will include vibration isolation to the compressor and water-to-refrigerant coil, unit base stiffeners, and a second stage of vibration isolation to the compressor and water-to-refrigerant base pan.

The unit shall be tested and rated in accordance with AHRI 260.

Single point power connection

Single point power connection allows a convenient location to bring in the power supply to the unit. The one single power source will power the entire unit including the controls, compressor, blower motor and all installed options.

Ducted filter rack

The ducted filter rack shall be factory mounted for the use of 1 or 2 inch filters and shall provide easy access to the filters from the side of the filter rack through a door that does not require a tool. Duct collars will be built into the filter rack to provide an easy means to connect the duct work to the unit.



Proposal

Proposal is valid for 15 days.

Customer must obtain credit approval and release order to production within 60 days of proposal date.

PROPRIETARY AND CONFIDENTIAL PROPERTY OF Trane U.S. Inc.
DISTRIBUTION TO OTHER THAN THE NAMED RECIPIENT IS PROHIBITED

Prepared For: Greeneville City Schools

Date: January 09, 2024

Job Name:
MWR Highland ES WSHP

Proposal Number: J3-32717-1176-1

Delivery Terms:
Freight Allowed and Prepaid - F.O.B. Jobsite

COOP or Federal Contract ID:
OMNIA Racine #3341

Payment Terms: Net 30 Days

Trane U.S. Inc. is pleased to provide the following proposal for your review and approval.

Tag Data - Water-Source Comfort Systems (Qty: 13)

Item	Tag(s)	Qty	Description	Model Number
B1	WSHP-03	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B2	WSHP-04	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B3	WSHP-09	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B4	WSHP-10	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B5	WSHP-11	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B6	WSHP-12	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B7	WSHP-15	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B8	WSHP-16	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B9	WSHP-19	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B10	WSHP-20	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B11	WSHP-24	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B12	WSHP-28	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B
B13	WSHP-29	1	Standard Efficiency WSHP (GEX)	GEVG042B1*0KA0TLD010102310000000 000A01B

Product Data - Water-Source Comfort Systems**All Units**

Standard efficiency vertical
Development - R-410A
3 1/2 ton nominal size
208-230/60/3
Copper
Heating and cooling refrigerant circuit
Variable ECM - Constant Torque
20 deg freeze protection
Top supply air arrangement *Please confirm configuration before ordering
Left return air arrangement *Please confirm configuration before ordering
Deluxe 24v controls
Condensate overflow sensor
Matte Faced Insulation
2" MERV 13
Standard piping configuration
Ducted Filter Rack (Side access-L/R) ***Please confirm left or right access before ordering**
Single Point Power
Stainless steel drain pan
5 year parts and labor warranty
Factory startup

Hose kit included:

3/4" diameter hose or 1" for high efficiency units (Field Installed)
36" stainless steel hose (Field Installed)
Strainer with blow down valve and hose connector (Field Installed)
Supply ball valve with pressure/temperature ports (Field Installed)
Return ball valve with pressure/temperature port (Field Installed)
Manual Balancing Valve Flow Control (Field Installed)
Memory Stop (manual balancing valve)
Zone valve (Field Installed)
Ball Valve or Manual Hose Kit with Zone Valve (Field Installed)
3/4" condensate hose with molded p-trap (Field Installed)

Items Not Included - Water-Source Comfort Systems

- power or control wiring, dampers, actuators, economizers, external vibration isolation, hydronic piping or specialties, spare filters, smoke detectors, owner training.

Tag Data - Rooftop WSHP GWS (GERW) (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
A1	RTU-01, RTU-02	2	Rooftop WSHP GWS (GERW)	GWSC060H3R0A**H0C0A1B60203010B000B000** ****0

Product Data - Rooftop WSHP GWS (GERW)**Item: A1 Qty: 2 Tag(s): RTU-01, RTU-02**

WSHP Rooftop
 Heat pump
 Standard efficiency
 Convertible
 5 Ton
 208-230/60/3
 Copper Water Coil
 30 F (For Water loop)
 Microprocessor controls
 Econ, com enth 0-100% w/ baro rel
 Standard drive motor
 Hinged panels/2 inch pleated filters
 Through the base electrical
 Non-fused disconnect
 Powered convenience outlet
 Discharge air sensing tube
 Stainless steel drain pan
 Programmable zone sensor (Field Installed)
 Factory startup
 5 year parts and labor warranty

Items Not Included - Water-Source Comfort Systems

- power or control wiring, external vibration isolation, hydronic piping or specialties, spare filters, smoke detectors, owner training.

Total Net Price **13 standard efficiency indoor WSHPs** (Excluding Sales Tax) \$ 81,262.00

Total Net Price **2 rooftop WSHPs** (Excluding Sales Tax) \$ 42,413.00

Tax Status: Taxable <input type="checkbox"/> Exempt <input type="checkbox"/>	IF EXEMPT PLEASE SUBMIT COMPLETED TAX EXEMPTION CERTIFICATE WITH YOUR SIGNED PROPOSAL OR WITH YOUR PURCHASING DOCUMENTS, KEEP YOUR ORIGINAL ON FILE IN THE OFFICE. YOU WILL BE CHARGED TAX IF A VALID EXEMPTION CERTIFICATE IS NOT ON FILE BEFORE EQUIPMENT, PARTS OR SERVICES ARE PROVIDED. SEE WWW.TAXSITES.COM/STATE-LINKS.HTML FOR TAX FORMS.
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Sincerely,

Amelia Goodyear
Trane U.S. Inc.
 10384 Wallace Alley Street
 Kingsport, TN 37663
 Office Phone: (423) 224-1150

This proposal is subject to your acceptance of the attached Trane terms and conditions.

TERMS AND CONDITIONS - COMMERCIAL EQUIPMENT

"Company" shall mean Trane U.S. Inc. for sales in the United States and Trane Canada ULC for sales in Canada.

1. Acceptance. These terms and conditions are an integral part of Company's offer and form the basis of any agreement (the "Agreement") resulting from Company's proposal (the "Proposal") for the sale of the described commercial equipment and any ancillary services (the "Equipment"). **COMPANY'S TERMS AND CONDITIONS AND EQUIPMENT PRICES ARE SUBJECT TO PERIODIC CHANGE OR AMENDMENT.** The Proposal is subject to acceptance in writing by the party to whom this offer is made or an authorized agent ("Customer") delivered to Company within 15 days from the date of the Proposal. Prices in the Proposal are subject to change at any time upon notice to Customer. If Customer accepts the Proposal by placing an order, without the addition of any other terms and conditions of sale or any other modification, Customer's order shall be deemed acceptance of the Proposal subject to Company's terms and conditions. If Customer's order is expressly conditioned upon Company's acceptance or assent to terms and/or conditions other than those expressed herein, return of such order by Company with Company's terms and conditions attached or referenced serves as Company's notice of objection to Customer's terms and as Company's counteroffer to provide Equipment in accordance with the Proposal and the Company's terms and conditions. If Customer does not reject or object in writing to Company within 10 days, Company's counteroffer will be deemed accepted. Notwithstanding anything to the contrary herein, Customer's acceptance of the Equipment will in any event constitute an acceptance by Customer of Company's terms and conditions. This Agreement is subject to credit approval by Company. Upon disapproval of credit, Company may delay or suspend performance or, at its option, renegotiate prices and/or terms and conditions with Customer. If Company and Customer are unable to agree on such revisions, this Agreement shall be cancelled without any liability.

2. Connected Services. In addition to these terms and conditions, the Connected Services Terms of Service ("Connected Services Terms"), available at <https://www.trane.com/TraneConnectedServicesTerms>, as updated from time to time, are incorporated herein by reference and shall apply to the extent that Company provides Customer with Connected Services, as defined in the Connected Services Terms.

3. Title and Risk of Loss. All Equipment sales with destinations to Canada or the U.S. shall be made as follows: FOB Company's U.S. manufacturing facility or warehouse (full freight allowed). Title and risk of loss or damage to Equipment will pass to Customer upon tender of delivery of such to carrier at Company's U.S. manufacturing facility or warehouse.

4. Pricing and Taxes. Within forty-five (45) days following Customer acceptance of the Proposal without addition of any other terms and conditions of sale or any modification, Customer shall provide notification of release for immediate production at Company's factory. Prices for Equipment are subject to change at any time prior to shipment to reflect any cost increases related to the manufacture, supply, and shipping of Equipment. This includes, but is not limited to, cost increases in raw materials, supplier components, labor, utilities, freight, logistics, wages and benefits, regulatory compliance, or any other event beyond Company's control. If shipment is delayed due to Customer's actions, Company may also charge Customer with storage fees. If a release is not received within 6 months following order acceptance, Company reserves the right to cancel any order. Company shall be entitled to equitable adjustments in the contract price to reflect any cost increases as set forth above and will provide notice to Customer prior to the date for which the increased price is to be in effect for the applicable customer contract. In no event will prices be decreased. The price of Equipment does not include any present or future foreign, federal, state, or local property, license, privilege, sales, use, excise, value added, gross receipts or other like taxes or assessments. Such amounts will be itemized separately to Customer, who will make prompt payment to Company. Company will accept valid exemption documentation for such taxes and assessments from Customer, if applicable. All prices include packaging in accordance with Company's standard procedures. Charges for special packaging, crating or packing are the responsibility of Customer.

5. Delivery and Delays. Delivery dates are approximate and not guaranteed. Company will use commercially reasonable efforts to deliver the Equipment on or before the estimated delivery date, will notify Customer if the estimated delivery dates cannot be honored, and will deliver the Equipment and services as soon as practicable thereafter. In no event will Company be liable for any damages or expenses caused by delays in delivery.

6. Performance. Company shall be obligated to furnish only the Equipment described in the Proposal and in submittal data (if such data is issued in connection with the order). Company may rely on the acceptance of the Proposal and submittal data as acceptance of the suitability of the Equipment for the particular project or location. Unless specifically stated in the Proposal, compliance with any local building codes or other laws or regulations relating to specifications or the location, use or operation of the Equipment is the sole responsibility of Customer. If Equipment is tendered that does not fully comply with the provisions of this Agreement and Equipment is rejected by Customer, Company will have the right to cure within a reasonable time after notice thereof by substituting a conforming tender whether or not the time for performance has passed.

7. Force Majeure. Company's duty to perform under this Agreement and the Equipment prices are contingent upon the non-occurrence of an Event of Force Majeure. If the Company shall be unable to carry out any material obligation under this Agreement due to an Event of Force Majeure, this Agreement shall at Company's election (i) remain in effect but Company's obligations shall be suspended until the uncontrollable event terminates or (ii) be terminated upon 10 days' notice to Customer, in which event Customer shall pay Company for all parts of the Work furnished to the date of termination. An "Event of Force Majeure" shall mean any cause or event beyond the control of Company. Without limiting the foregoing, "Event of Force Majeure" includes: acts of God; acts of terrorism, war or the public enemy; flood; earthquake; tornado; storm; fire; civil disobedience; pandemic insurrections; riots; labor/labour disputes; labor/labour or material shortages; sabotage; restraint by court order or public authority (whether valid or invalid); and action or non-action by or inability to obtain or keep in force the necessary governmental authorizations, permits, licenses, certificates or approvals if not caused by Company; and the requirements of any applicable government in any manner that diverts either the material or the finished product to the direct or indirect benefit of the government.

8. Limited Warranty. Company warrants the Equipment manufactured by Company for a period of the lesser of 12 months from initial start-up or 18 months from date of shipment, whichever is less, against failure due to defects in material and manufacture and that it has the capacities and ratings set forth in Company's catalogs and bulletins ("Warranty"). **Equipment manufactured by Company that includes required start-up and sold in North America will not be warranted by Company unless Company performs the Equipment startup.** Exclusions from this Warranty include damage or failure arising from: wear and tear; corrosion, erosion, deterioration; modifications made by others to the Equipment; repairs or alterations by a party other than Company that adversely affects the stability or reliability of the Equipment; vandalism; neglect; accident; adverse weather or environmental conditions; abuse or improper use; improper installation; commissioning by a party other than Company; unusual physical or electrical or mechanical stress; operation with any accessory, equipment or part not specifically approved by Company; refrigerant not supplied by Company; and/or lack of proper maintenance as recommended by Company. Company shall not be obligated to pay for the cost of lost refrigerant or lost product. Company's obligations and liabilities under this Warranty are limited to furnishing replacement equipment or parts, at its option, FCA (Incoterms 2000) factory or warehouse (f.o.b. factory or warehouse for US domestic purposes) at Company-designated shipping point, freight-allowed to Company's warranty agent's stock location, for all non-conforming Company-manufactured Equipment (which have been returned by Customer to Company). Returns must have prior written approval by Company and are subject to restocking charge where applicable. Equipment, material and/or parts that are not manufactured by Company ("Third-Party Product(s)") are not warranted by Company and have such warranties as may be extended by the respective manufacturer. **CUSTOMER UNDERSTANDS THAT COMPANY IS NOT THE MANUFACTURER OF ANY THIRD-PARTY PRODUCT(S) AND ANY WARRANTIES, CLAIMS, STATEMENTS, REPRESENTATIONS, OR SPECIFICATIONS ARE THOSE OF THE THIRD-PARTY MANUFACTURER, NOT COMPANY AND CUSTOMER IS NOT RELYING ON ANY WARRANTIES, CLAIMS, STATEMENTS, REPRESENTATIONS, OR SPECIFICATIONS REGARDING THE THIRD-PARTY PRODUCT THAT MAY BE PROVIDED BY COMPANY OR ITS AFFILIATES, WHETHER ORAL OR WRITTEN. COMPANY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND, INCLUDING WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ADDITIONALLY, COMPANY MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND REGARDING PREVENTING, ELIMINATING, REDUCING OR INHIBITING ANY MOLD, FUNGUS, BACTERIA, VIRUS, MICROBIAL GROWTH, OR ANY OTHER CONTAMINANTS (INCLUDING COVID-19 OR ANY SIMILAR VIRUS) (COLLECTIVELY, "CONTAMINANTS"), WHETHER INVOLVING OR IN CONNECTION WITH EQUIPMENT, ANY COMPONENT THEREOF, SERVICES OR OTHERWISE. IN NO EVENT SHALL COMPANY HAVE ANY LIABILITY FOR THE PREVENTION, ELIMINATION, REDUCTION OR INHIBITION OF THE GROWTH OR SPREAD OF SUCH CONTAMINANTS INVOLVING OR IN CONNECTION WITH ANY EQUIPMENT, THIRD-PARTY PRODUCT, OR ANY COMPONENT THEREOF, SERVICES OR OTHERWISE AND CUSTOMER HEREBY SPECIFICALLY ACKNOWLEDGES AND AGREES THERETO.** No warranty liability whatsoever shall attach to Company until Customer's complete order has been paid for in full and Company's liability under this Warranty shall be limited to the purchase price of the Equipment shown to be defective. Additional warranty protection is available on an extra-cost basis and must be in writing and agreed to by an authorized signatory of the Company. **EXCEPT FOR COMPANY'S WARRANTY EXPRESSLY SET FORTH HEREIN, COMPANY DOES NOT MAKE, AND HEREBY EXPRESSLY DISCLAIMS, ANY WARRANTIES, EXPRESS OR IMPLIED CONCERNING ITS PRODUCTS, EQUIPMENT OR SERVICES, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF DESIGN, MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR OTHERS THAT ARE ALLEGED TO ARISE FROM COURSE OF DEALING OR TRADE.**

9. Indemnity. To the fullest extent permitted by law, Company and Customer shall indemnify, defend and hold harmless each other from any and all claims, actions, costs, expenses, damages and liabilities, including reasonable attorneys' fees, resulting from death or bodily injury or damage to real or personal property, to the extent caused by the negligence or misconduct of their respective employees or other authorized agents in connection with their activities within the scope of this Agreement. Neither party shall indemnify the other against claims, damages, expenses or liabilities to the extent attributable to the acts or omissions of the other party. If the parties are both at fault, the obligation to indemnify shall be proportional to their relative fault. The duty to indemnify will continue in full force and effect, notwithstanding the expiration or early termination hereof, with respect to any claims based on facts or conditions that occurred prior to expiration or termination.

10. Insurance. Upon request, Company will furnish evidence of its standard insurance coverage. If Customer has requested to be named as an additional insured under Company's insurance policy, Company will do so but only subject to Company's manuscript additional insured endorsement under its primary Commercial General Liability policies. In no event does Company waive any rights of subrogation.

11. Customer Breach. Each of the following events or conditions shall constitute a breach by Customer and shall give Company the right, without an election of remedies, to terminate this Agreement, require payment prior to shipping, or suspend performance by delivery of written notice: (1) Any failure by Customer to pay amounts when due; (2) any general assignment by Customer for the benefit of its creditors, or if Customer becomes bankrupt or insolvent or takes the benefit of any statute for bankrupt or insolvent debtors, or makes or proposes to make any proposal or arrangement with creditors, or if any steps are taken for the winding up or other termination of Customer or the liquidation of its assets, or if a trustee, receiver, or similar person is appointed over any of the assets or interests of Customer; (3) Any representation or warranty furnished by Customer in connection with this Agreement is false or misleading in any material respect when made; or (4) Any failure by Customer to perform or comply with any material provision of this Agreement. Customer shall be liable to the Company for all Equipment furnished and all damages sustained by Company (including lost profit and overhead).

12. Limitation of Liability. NOTWITHSTANDING ANYTHING TO THE CONTRARY, IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT CONSEQUENTIAL, PUNITIVE, EXEMPLARY DAMAGES (INCLUDING WITHOUT LIMITATION REFRIGERANT LOSS, BUSINESS INTERRUPTION, LOST DATA, LOST REVENUE, LOST PROFITS), OR CONTAMINANTS LIABILITIES, EVEN IF A PARTY HAS BEEN ADVISED OF SUCH POSSIBLE DAMAGES OR IF SAME WERE REASONABLY FORESEEABLE AND REGARDLESS OF WHETHER THE CAUSE OF ACTION IS FRAMED IN CONTRACT, NEGLIGENCE, ANY OTHER TORT, WARRANTY, STRICT LIABILITY, OR PRODUCT LIABILITY. In no event will Company's liability in connection with the provision of products or services or otherwise under this Agreement exceed the entire amount paid to Company by Customer under this Agreement.

13. CONTAMINANTS LIABILITY

The transmission of COVID-19 may occur in a variety of ways and circumstances, many of the aspects of which are currently not known. HVAC systems, products, services and other offerings have not been tested for their effectiveness in reducing the spread of COVID-19, including through the air in closed environments. **IN NO EVENT WILL COMPANY BE LIABLE UNDER THIS AGREEMENT OR OTHERWISE FOR ANY INDEMNIFICATION, ACTION, OR CLAIM, WHETHER BASED ON WARRANTY, CONTRACT, TORT OR OTHERWISE, FOR ANY BODILY INJURY (INCLUDING DEATH), DAMAGE TO PROPERTY, OR ANY OTHER LIABILITIES, DAMAGES OR COSTS RELATED TO CONTAMINANTS (INCLUDING THE SPREAD, TRANSMISSION, MITIGATION, ELIMINATION, OR CONTAMINATION THEREOF) (COLLECTIVELY, "CONTAMINANTS LIABILITIES") AND CUSTOMER HEREBY EXPRESSLY RELEASES COMPANY FROM ANY SUCH CONTAMINANTS LIABILITIES.**

14. Nuclear Liability. In the event that the Equipment sold hereunder is to be used in a nuclear facility, Customer will, prior to such use, arrange for insurance or governmental indemnity protecting Company against all liability and hereby releases and agrees to indemnify Company and its suppliers for any nuclear damage, including loss of use, in any manner arising out of a nuclear incident, whether alleged to be due, in whole or in part to the negligence or otherwise of Company or its suppliers.

15. Intellectual Property; Patent Indemnity. Company retains all ownership, license and other rights to all patents, trademarks, copyrights, trade secrets and other intellectual property rights related to the Equipment, and, except for the right to use the Equipment sold, Customer obtains no rights to use any such intellectual property. Company agrees to defend any suit or proceeding brought against Customer so far as such suit or proceeding is solely based upon a claim that the use of the Equipment provided by Company constitutes infringement of any patent of the United States of America, provided Company is promptly notified in writing and given authority, information and assistance for defense of same. Company will, at its option, procure for Customer the right to continue to use said Equipment, or modify it so that it becomes non-infringing, or replace same with non-infringing Equipment, or to remove said Equipment and to refund the purchase price. The foregoing will not be construed to include any Agreement by Company to accept any liability whatsoever in respect to patents for inventions including more than the Equipment furnished hereunder, or in respect of patents for methods and processes to be carried out with the aid of said Equipment. The provision of Equipment by Company does not convey any license, by implication, estoppel, or otherwise, under patent claims covering combinations of said Equipment with other devices or elements. The foregoing states the entire liability of Company with regard to patent infringement. Notwithstanding the provisions of this paragraph, Customer will hold Company harmless against any expense or loss resulting from infringement of patents or trademarks arising from compliance with Customer's designs or specifications or instructions.

16. Cancellation. Equipment is specially manufactured in response to orders. An order placed with and accepted by Company cannot be delayed, canceled, suspended, or extended except with Company's written consent and upon written terms accepted by Company that will reimburse Company for and indemnify Company against loss and provide Company with a reasonable profit for its materials, time, labor, services, use of facilities and otherwise. Customer will be obligated to accept any Equipment shipped, tendered for delivery or delivered by Company pursuant to the order prior to any agreed delay, cancellation, suspension or extension of the order. Any attempt by Customer to unilaterally revoke, delay or suspend acceptance for any reason whatever after it has agreed to delivery of or accepted any shipment shall constitute a breach of this Agreement. For purposes of this paragraph, acceptance occurs by any waiver of inspection, use or possession of Equipment, payment of the invoice, or any indication of exclusive control exercised by Customer.

17. Invoicing and Payment. Unless otherwise agreed to in writing by Company, equipment shall be invoiced to Customer upon tender of delivery thereof to the carrier. Customer shall pay Company's invoices within net 30 days of shipment date. Company reserves the right to add to any account outstanding for more than 30 days a service charge equal to the lesser of the maximum allowable legal interest rate or 1.5% of the principal amount due at the end of each month. Customer shall pay all costs (including attorneys' fees) incurred by Company in attempting to collect amounts due and otherwise enforcing these terms and conditions. If requested, Company will provide appropriate lien waivers upon receipt of payment. Company may at any time decline to ship, make delivery or perform work except upon receipt of cash payment, letter of credit, or security, or upon other terms and conditions satisfactory to Company. Customer agrees that, unless Customer makes payment in advance, Company will have a purchase money security interest in all Equipment to secure payment in full of all amounts due Company and its order for the Equipment, together with these terms and conditions, form a security agreement (as defined by the UCC in the United States and as defined in the Personal Property Security Act in Canada). Customer shall keep the Equipment free of all taxes and encumbrances, shall not remove the Equipment from its original installation point and shall not assign or transfer any interest in the Equipment until all payments due Company have been made. The purchase money security interest granted herein attaches upon Company's acceptance of Customer's order and on receipt of the Equipment described in the accepted Proposal but prior to its installation. The parties have no agreement to postpone the time for attachment unless specifically noted in writing on the accepted order. Customer will have no rights of set off against any amounts, which become payable to Company under this Agreement or otherwise.

18. Claims. Company will consider claims for concealed shortages in shipments or rejections due to failure to conform to an order only if such claims or rejections are made in writing within 15 days of delivery and are accompanied by the packing list and, if applicable, the reasons in detail why the Equipment does not conform to Customer's order. Upon receiving authorization and shipping instructions from authorized personnel of Company, Customer may return rejected Equipment, transportation charges prepaid, for replacement. Company may charge Customer any costs resulting from the testing, handling, and disposition of any Equipment returned by Customer which are not found by Company to be nonconforming. All Equipment damaged during shipment and all claims relating thereto must be made with the freight carrier in accordance with such carrier's policies and procedures. Claims for Equipment damaged during shipment are not covered under the warranty provision stated herein.

19. Export Laws. The obligation of Company to supply Equipment under this Agreement is subject to the ability of Company to supply such items consistent with applicable laws and regulations of the United States and other governments. Company reserves the right to refuse to enter into or perform any order, and to cancel any order, under this Agreement if Company in its sole discretion determines that performance of the transaction to which such order relates would violate any such applicable law or regulation. Customer will pay all handling and other similar costs from Company's factories including the costs of freight, insurance, export clearances, import duties and taxes. Customer will be "exporter of record" with respect to any export from the United States of America and will perform all compliance and logistics functions in connection therewith and will also comply with all applicable laws, rules and regulations. Customer understands that Company and/or the Equipment are subject to laws and regulations of the United States of America which may require licensing or authorization for and/or prohibit export, re-export or diversion of Company's Equipment to certain countries, and agrees it will not knowingly assist or participate in any such diversion or other violation of applicable United States of America laws and regulations. Customer agrees to hold harmless and indemnify Company for any damages resulting to Customer or Company from a breach of this paragraph by Customer.

20. General. Except as provided below, to the maximum extent provided by law, this Agreement is made and shall be interpreted and enforced in accordance with the laws of the state of New York for Equipment shipped to a U.S. location and the laws of the province to which Equipment is shipped within Canada, without regard to its conflict of law principles that might otherwise call for the application of a different state's or province's law, and not including the United Nations Convention on Contracts for the International Sale of Goods. Any action or suit arising out of or related to this Agreement must be commenced within one year after the cause of action has accrued. To the extent the Equipment is being used at a site owned and/or operated by any agency of the Federal Government, determination of any substantive issue of law shall be according to the Federal common law of Government contracts as enunciated and applied by Federal judicial bodies and boards of contract appeals of the Federal Government. This Agreement contains all of the agreements, representations and understandings of the parties and supersedes all previous understandings, commitments or agreements, oral or written, related to the subject matter hereof. This Agreement may not be amended, modified or terminated except by a writing signed by the parties hereto. No documents shall be incorporated herein by reference except to the extent Company is a signatory thereon. If any term or condition of this Agreement is invalid, illegal or incapable of being enforced by any rule of law, all other terms and conditions of this Agreement will nevertheless remain in full force and effect as long as the economic or legal substance of the transaction contemplated hereby is not affected in a manner adverse to any party hereto. Customer may not assign, transfer, or convey this Agreement, or any part hereof, or its right, title or interest herein, without the written consent of the Company. Subject to the foregoing, this Agreement shall be binding upon and inure to the benefit of Customer's permitted successors and assigns. This Agreement may be executed in several counterparts, each of which when executed shall be deemed to be an original, but all together shall constitute but one and the same Agreement. A fully executed facsimile copy hereof or the several counterparts shall suffice as an original.

21. Equal Employment Opportunity/Affirmative Action Clause. Company is a federal contractor that complies fully with Executive Order 11246, as amended, and the applicable regulations contained in 41 C.F.R. Parts 60-1 through 60-60, 29 U.S.C. Section 793 and the applicable regulations contained in 41 C.F.R. Part 60-741; and 38

U.S.C. Section 4212 and the applicable regulations contained in 41 C.F.R. Part 60-250 Executive Order 13496 and Section 29 CFR 471, appendix A to subpart A, regarding the notice of employee rights in the United States and with Canadian Charter of Rights and Freedoms Schedule B to the Canada Act 1982 (U.K.) 1982, c. 11 and applicable Provincial Human Rights Codes and employment law in Canada.

22. U.S. Government Work.

The following provision applies only to direct sales by Company to the US Government. The Parties acknowledge that Equipment ordered and delivered under this Agreement are Commercial Items as defined under Part 12 of the Federal Acquisition Regulation (FAR). In particular, Company agrees to be bound only by those Federal contracting clauses that apply to "commercial" suppliers and that are contained in FAR 52.212-5(e)(1).

The following provision applies only to indirect sales by Company to the US Government. As a Commercial Item Subcontractor, Company accepts only the following mandatory flow down provisions: 52.219-8; 52.222-26; 52.222-35; 52.222-36; 52.222-39; 52.247-64. If the sale of the Equipment is in connection with a U.S. Government contract, Customer certifies that it has provided and will provide current, accurate, and complete information, representations and certifications to all government officials, including but not limited to the contracting officer and officials of the Small Business Administration, on all matters related to the prime contract, including but not limited to all aspects of its ownership, eligibility, and performance. Anything herein notwithstanding, Company will have no obligations to Customer unless and until Customer provides Company with a true, correct and complete executed copy of the prime contract. Upon request, Customer will provide copies to Company of all requested written communications with any government official related to the prime contract prior to or concurrent with the execution thereof, including but not limited to any communications related to Customer's ownership, eligibility or performance of the prime contract. Customer will obtain written authorization and approval from Company prior to providing any government official any information about Company's performance of the work that is the subject of the Proposal or this Agreement, other than the Proposal or this Agreement.

23. Limited Waiver of Sovereign Immunity. If Customer is an Indian tribe (in the U.S.) or a First Nation or Band Council (in Canada), Customer, whether acting in its capacity as a government, governmental entity, a duly organized corporate entity or otherwise, for itself and for its agents, successors, and assigns: (1) hereby provides this limited waiver of its sovereign immunity as to any damages, claims, lawsuit, or cause of action (herein "Action") brought against Customer by Company and arising or alleged to arise out of the furnishing by Company of any product or service under this Agreement, whether such Action is based in contract, tort, strict liability, civil liability or any other legal theory; (2) agrees that jurisdiction and venue for any such Action shall be proper and valid (a) if Customer is in the U.S., in any state or United States court located in the state in which Company is performing this Agreement or (b) if Customer is in Canada, in the superior court of the province or territory in which the work was performed; (3) expressly consents to such Action, and waives any objection to jurisdiction or venue; (4) waives any requirement of exhaustion of tribal court or administrative remedies for any Action arising out of or related to this Agreement; and (5) expressly acknowledges and agrees that Company is not subject to the jurisdiction of Customer's tribal court or any similar tribal forum, that Customer will not bring any action against Company in tribal court, and that Customer will not avail itself of any ruling or direction of the tribal court permitting or directing it to suspend its payment or other obligations under this Agreement. The individual signing on behalf of Customer warrants and represents that such individual is duly authorized to provide this waiver and enter into this Agreement and that this Agreement constitutes the valid and legally binding obligation of Customer, enforceable in accordance with its terms.

1-26.130-4 (0622)
Supersedes 1-26.130-4(1221b)

SECURITY ADDENDUM

This Addendum shall be applicable to the sale, installation and use of Trane equipment and the sale and provision of Trane services. "Trane" shall mean Trane U.S. Inc. for sales and services in the United States, or Trane Canada ULC for sales and services in Canada.

1. **Definitions.** All terms used in this Addendum shall have the meaning specified in the Agreement unless otherwise defined herein. For the purposes of this Addendum, the following terms are defined as follows:

"Customer Data" means Customer account information as related to the Services only and does not include HVAC Machine Data or personal data. Trane does not require, nor shall Customer provide personal data to Trane under the Agreement. Such data is not required for Trane to provide its Equipment and/or Services to the Customer.

"Equipment" shall have the meaning set forth in the Agreement.

"HVAC Machine Data" means data generated and collected from the product or furnished service without manual entry. HVAC Machine Data is data relating to the physical measurements and operating conditions of a HVAC system, such as but not limited to, temperatures, humidity, pressure, HVAC equipment status. HVAC Machine Data does not include Personal Data and, for the purposes of this agreement, the names of users of Trane's controls products or hosted applications shall not be Personal Data, if any such user chooses to use his/her name(s) in the created accounts within the controls product (e.g., firstname.lastname@address.com). HVAC Machine Data may be used by Trane: (a) to provide better support services and/or products to users of its products and services; (b) to assess compliance with Trane terms and conditions; (c) for statistical or other analysis of the collective characteristics and behaviors of product and services users; (d) to backup user and other data or information and/or provide remote support and/or restoration; (e) to provide or undertake: engineering analysis; failure analysis; warranty analysis; energy analysis; predictive analysis; service analysis; product usage analysis; and/or other desirable analysis, including, but not limited to, histories or trends of any of the foregoing; and (f) to otherwise understand and respond to the needs of users of the product or furnished service. "Personal Data" means data and/or information that is owned or controlled by Customer, and that names or identifies, or is about a natural person, such as: (i) data that is explicitly defined as a regulated category of data under any data privacy laws applicable to Customer; (ii) non-public personal information ("NPI") or personal information ("PI"), such as national identification number, passport number, social security number, social insurance number, or driver's license number; (iii) health or medical information, such as insurance information, medical prognosis, diagnosis information, or genetic information; (iv) financial information, such as a policy number, credit card number, and/or bank account number; (v) personally identifying technical information (whether transmitted or stored in cookies, devices, or otherwise), such as IP address, MAC address, device identifier, International Mobile Equipment Identifier ("IMEI"), or advertising identifier; (vi) biometric information; and/or (vii) sensitive personal data, such as, race, religion, marital status, disability, gender, sexual orientation, geolocation, or mother's maiden name.

"Security Incident" shall refer to (i) a compromise of any network, system, application or data in which Customer Data has been accessed or acquired by an unauthorized third party; (ii) any situation where Trane reasonably suspects that such compromise may have occurred; or (iii) any actual or reasonably suspected unauthorized or illegal Processing, loss, use, disclosure or acquisition of or access to any Customer Data.

"Services" shall have the meaning set forth in the Agreement.

2. **HVAC Machine Data; Access to Customer Extranet and Third Party Systems.** If Customer grants Trane access to HVAC Machine Data via web portals or other non-public websites or extranet services on Customer's or a third party's website or system (each, an "Extranet"), Trane will comply with the following:
 - a. **Accounts.** Trane will ensure that Trane's personnel use only the Extranet account(s) designated by Customer and will require Trane personnel to keep their access credentials confidential.
 - b. **Systems.** Trane will access the Extranet only through computing or processing systems or applications running operating systems managed by Trane that include: (i) system network firewalls; (ii) centralized patch management; (iii) operating system appropriate anti-malware software; and (iv) for portable devices, full disk encryption.
 - c. **Restrictions.** Unless otherwise approved by Customer in writing, Trane will not download, mirror or permanently store any HVAC Machine Data from any Extranet on any medium, including any machines, devices or servers.
 - d. **Account Termination.** Trane will terminate the account of each of Trane's personnel in accordance with Trane's standard practices after any specific Trane personnel who has been authorized to access any Extranet (1) no longer needs access to HVAC Machine Data or (2) no longer qualifies as Trane personnel (e.g., the individual leaves Trane's employment).
 - e. **Third Party Systems.** Trane will provide Customer prior notice before it uses any third party system that stores or may otherwise have access to HVAC Machine Data, unless (1) the data is encrypted and (2) the third party system will not have access to the decryption key or unencrypted "plain text" versions of the HVAC Machine Data.
3. **Customer Data; Confidentiality.** Trane shall keep confidential, and shall not access or use any Customer Data and information that is marked confidential or by its nature is considered confidential ("Customer Confidential Information") other than for the purpose of providing the Equipment and Services, and will disclose Customer Confidential Information only: (i) to Trane's employees and agents who have a need to know to perform the Services, (ii) as expressly permitted or instructed by Customer,

or (iii) to the minimum extent required to comply with applicable law, provided that Trane (1) provides Customer with prompt written notice prior to any such disclosure, and (2) reasonably cooperate with Customer to limit or prevent such disclosure.

4. Customer Data; Compliance with Laws. Trane agrees to comply with laws, regulations governmental requirements and industry standards and practices relating to Trane's processing of Customer Confidential Information (collectively, "**Laws**").
5. Customer Data; Information Security Management. Trane agrees to establish and maintain an information security and privacy program, consistent with applicable HVAC equipment industry practices that complies with this Addendum and applicable Laws ("**Information Security Program**"). The Information Security Program shall include appropriate physical, technical and administrative safeguards, including any safeguards and controls agreed by the Parties in writing, sufficient to protect Customer systems, and Customer's Confidential Information from unauthorized access, destruction, use, modification or disclosure. The Information Security Program shall include appropriate, ongoing training and awareness programs designed to ensure that Trane's employees and agents, and others acting on Trane's, behalf are aware of and comply with the Information Security Program's policies, procedures, and protocols.
6. Monitoring. Trane shall monitor and, at regular intervals consistent with HVAC equipment industry practices, test and evaluate the effectiveness of its Information Security Program. Trane shall evaluate and promptly adjust its Information Security Program in light of the results of the testing and monitoring, any material changes to its operations or business arrangements, or any other facts or circumstances that Trane knows or reasonably should know may have a material impact on the security of Customer Confidential Information, Customer systems and Customer property.
7. Audits. Customer acknowledges and agrees that the Trane SOC2 audit report will be used to satisfy any and all audit/inspection requests/requirements by or on behalf of Customer. Trane will make its SOC2 audit report available to Customer upon request and with a signed nondisclosure agreement.
8. Information Security Contact. Trane's information security contact is Local Sales Office.
9. Security Incident Management. Trane shall notify Customer after the confirmation of a Security Incident that affects Customer Confidential Information, Customer systems and Customer property. The written notice shall summarize the nature and scope of the Security Incident and the corrective action already taken or planned.
10. Threat and Vulnerability Management. Trane regularly performs vulnerability scans and addresses detected vulnerabilities on a risk basis. Periodically, Trane engages third-parties to perform network vulnerability assessments and penetration testing. Vulnerabilities will be reported in accordance with Trane's cybersecurity vulnerability reported process. Trane periodically provides security updates and software upgrades.
11. Security Training and Awareness. New employees are required to complete security training as part of the new hire process and receive annual and targeted training (as needed and appropriate to their role) thereafter to help maintain compliance with Security Policies, as well as other corporate policies, such as the Trane Code of Conduct. This includes requiring Trane employees to annually re-acknowledge the Code of Conduct and other Trane policies as appropriate. Trane conducts periodic security awareness campaigns to educate personnel about their responsibilities and provide guidance to create and maintain a secure workplace.
12. Secure Disposal Policies. Policies, processes, and procedures regarding the disposal of tangible and intangible property containing Customer Confidential Information so that wherever possible, Customer Confidential Information cannot be practicably read or reconstructed.
13. Logical Access Controls. Trane employs internal monitoring and logging technology to help detect and prevent unauthorized access attempts to Trane's corporate networks and production systems. Trane's monitoring includes a review of changes affecting systems' handling authentication, authorization, and auditing, and privileged access to Trane production systems. Trane uses the principle of "least privilege" (meaning access denied unless specifically granted) for access to customer data.
14. Contingency Planning/Disaster Recovery. Trane will implement policies and procedures required to respond to an emergency or other occurrence (i.e. fire, vandalism, system failure, natural disaster) that could damage Customer Data or any system that contains Customer Data. Procedures include the following
 - (i) data backups; and
 - (ii) formal disaster recovery plan. Such disaster recovery plan is tested at least annually.
15. Return of Customer Data. If Trane is responsible for storing or receiving Customer Data, Trane shall, at Customer's sole discretion, deliver Customer Data to Customer in its preferred format within a commercially reasonable period of time following the expiration or earlier termination of the Agreement or, such earlier time as Customer requests, securely destroy or render unreadable or undecipherable each and every original and copy in every media of all Customer's Data in Trane's possession, custody or control no later than [90 days] after receipt of Customer's written instructions directing Trane to delete the Customer Data.

16. Background checks Trane shall take reasonable steps to ensure the reliability of its employees or other personnel having access to the Customer Data, including the conducting of appropriate background and/or verification checks in accordance with Trane policies.
17. DISCLAIMER OF WARRANTIES. EXCEPT FOR ANY APPLICABLE WARRANTIES IN THE AGREEMENT, THE SERVICES ARE PROVIDED "AS IS", WITH ALL FAULTS, AND THE ENTIRE RISK AS TO SATISFACTORY QUALITY, PERFORMANCE, ACCURACY AND EFFORT AS TO SUCH SERVICES SHALL BE WITH CUSTOMER. TRANE DISCLAIMS ANY AND ALL OTHER EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES WITH RESPECT TO THE SERVICES AND THE SERVICES PROVIDED HEREUNDER, INCLUDING ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THAT THE SERVICES WILL OPERATE ERROR-FREE OR UNINTERRUPTED OR RETURN/RESPONSE TO INQUIRIES WITHIN ANY SPECIFIC PERIOD OF TIME.

November 2023



Morristown Roofing Company, Inc.

January 2, 2024

Greeneville City Schools
Attn: Mr. Phillip Graham
312 Floral Street
Greeneville TN 37743

**RE: Proposal for Partial Re-Roofing
Highland Elementary School – Greeneville, TN**

Greetings,

We propose to furnish labor, materials, equipment, insurance, and supervision necessary to perform the following scope of work at the above referenced project.

Scope of Work

- Remove and properly dispose of the existing asphalt built-up roof, any insulation, flashings, and sheetmetal down to the gypsum deck.
- Inspect the deck for deterioration and damage. If any repairs or replacement is necessary, it will be at an additional cost and deducted from the project allowance.
- Install new pressure treated wood nailers to match the new insulation thickness.
- Prime gypsum deck to receive low-rise foam insulation adhesive.
- Adhere a tapered polyiso insulation system consisting of 1/8" per foot slope and 1/2" minimum thickness using low-rise foam adhesive.
- Overlay the tapered insulation with one layer of 2.0" polyiso and one layer of 1/4" Dens-Deck Prime cover board using low-rise foam adhesive for each layer.
- Fully adhere a Carlisle, 80 mil, PVC membrane to the coverboard. Color to be white, gray or tan.
- Flash all existing roof penetrations in accordance with manufacturer's applicable details and specifications.
- Install 24 ga PVC coated drip edge at the gutter edges.
- Install termination bar and surface mounted counterflashing at brick walls.
- Provide manufacturer's 30 year Total System Warranty.
- Fabricate and install new 24 ga Knar prefinished steel gutters and downspouts.

Qualifications

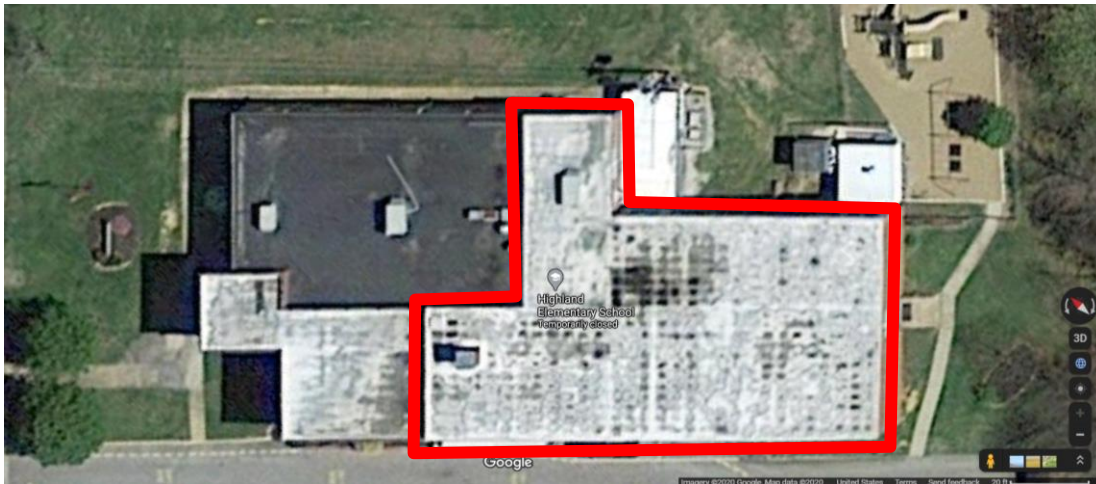
- Based on one roof area of approx. 7,000 sf. See outlined roof area on page 2.
- Removal and disposal of asbestos containing materials, if any, must be done by others and are not included.
- All work to be done during regular work hours Monday – Friday, 7 AM – 5 PM.
- We include 100% performance and payment bonds.
- An allowance of \$10,000.00 is included in the quote below for any repair of the decking.
- Morristown Roofing offers this quote as an assignee of The Apex Group LLC's TIPS-USA Contract # 23010402-8765

Our Quote: \$198,520.00

If you have any questions, please give us a call.

Best Regards,
Morristown Roofing Company, Inc.

Paul Fitzgerald
Estimator



Renovations to Greeneville Middle School

Greeneville, Tennessee

Project Data

owner
Greeneville City Schools
129 West Depot Street
Greeneville, TN 37743
phone: 423-787-8000

project
Renovations to Greeneville Middle School
433 East Vann Road
Greeneville, TN 37743

project square footage
Area of Renovation - 988 sq. ft.

occupancy classification
Education Group E

construction type
type II - unprotected; unsprinklered
1 story

IECC Climate Zone
4C

Codes and Ordinances
2018 International Existing Building Code
2018 International Mechanical Code
2018 International Plumbing Code
2018 International Fuel Gas Code
2017 National Electric Code, NFPA 70
2018 International Fire Prevention Code
2010 International Energy Conservation Code with
amendments
ICC A117.1-2009 (Standard for Accessible & Usable
Building & Facilities)

fire department
Greeneville Fire Department Station 2
945 Carson Street
Greeneville, TN

fire chief
Alan Shipley

building official
Bert Seay
200 North College Street
Greeneville, TN 37745
Office: 423-798-1724

Drawing Index

DS1.1 Drawing Standards

Architectural

A1.1 Demolition Plan
A1.2 Floor Plan & Room Finish Schedule
A2.1 Door Schedule, Elevations, & Details
A3.1 Reflected Ceiling Plan

Mechanical

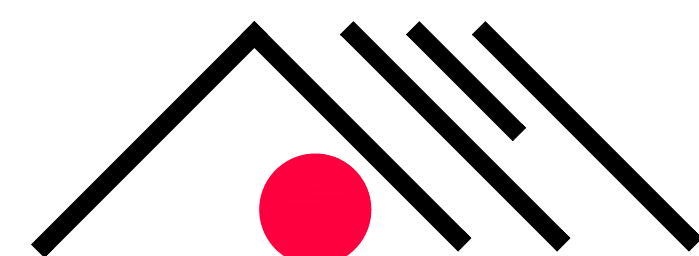
M1.1 HVAC Floor Plan
M1.2 HVAC Notes, Schedule, & Details

Electrical

E1.1 Demolition Plan
E2.1 Lighting Plan
E3.1 Power Plan
E4.1 Legend & Light Fixture Schedule
E4.2 Electrical Specifications

Notes

1. Include \$8,000.00 contingency allowance in bid submittal.



a. dave wright
architect

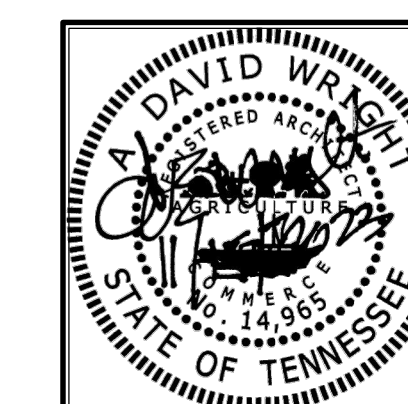
110 S. Main Street
Greeneville, TN. 37743
Office: (423) 525-5093
Cell: (423) 329-2876
Fax: (423) 525-5095

MECHANICAL ENGINEERS
Maynard W. Robertson
CONSULTING ENGINEER

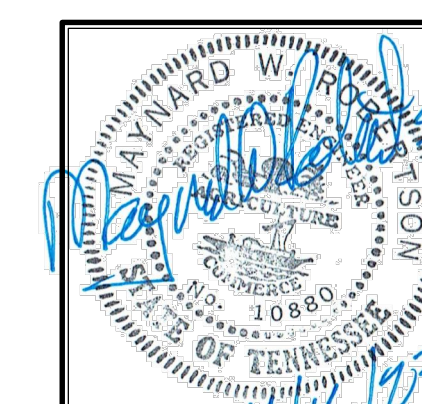
Greeneville, Tennessee

ELECTRICAL ENGINEERS
Blaser Engineering

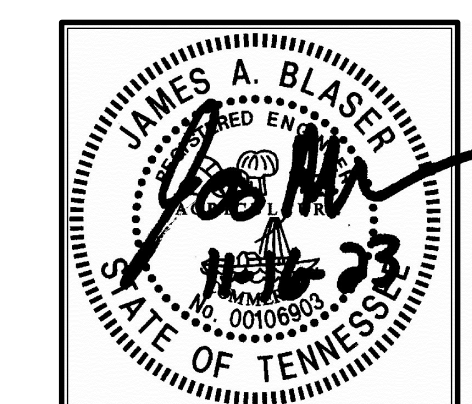
Bristol, Virginia



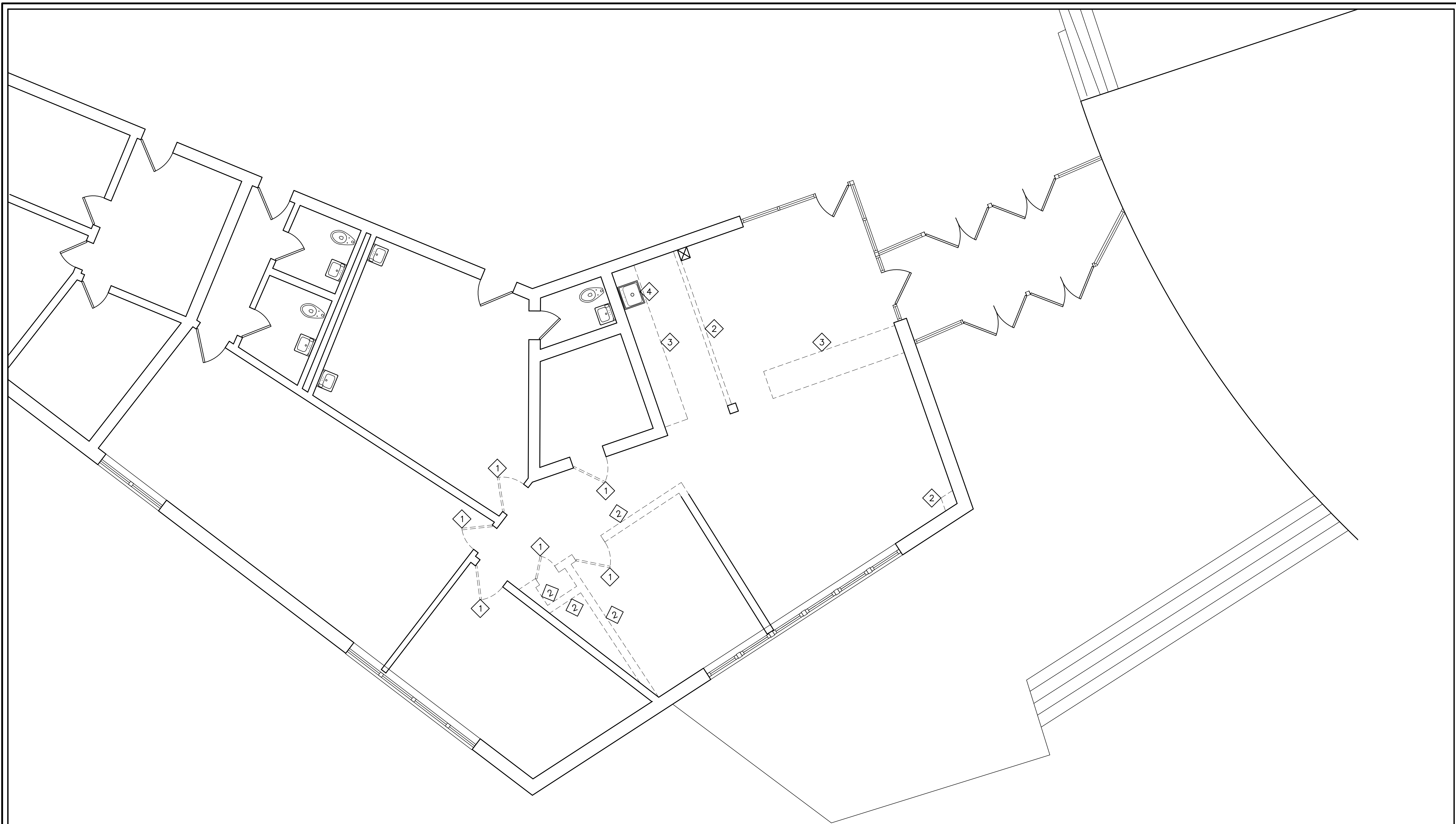
Architect



Mechanical Engineer

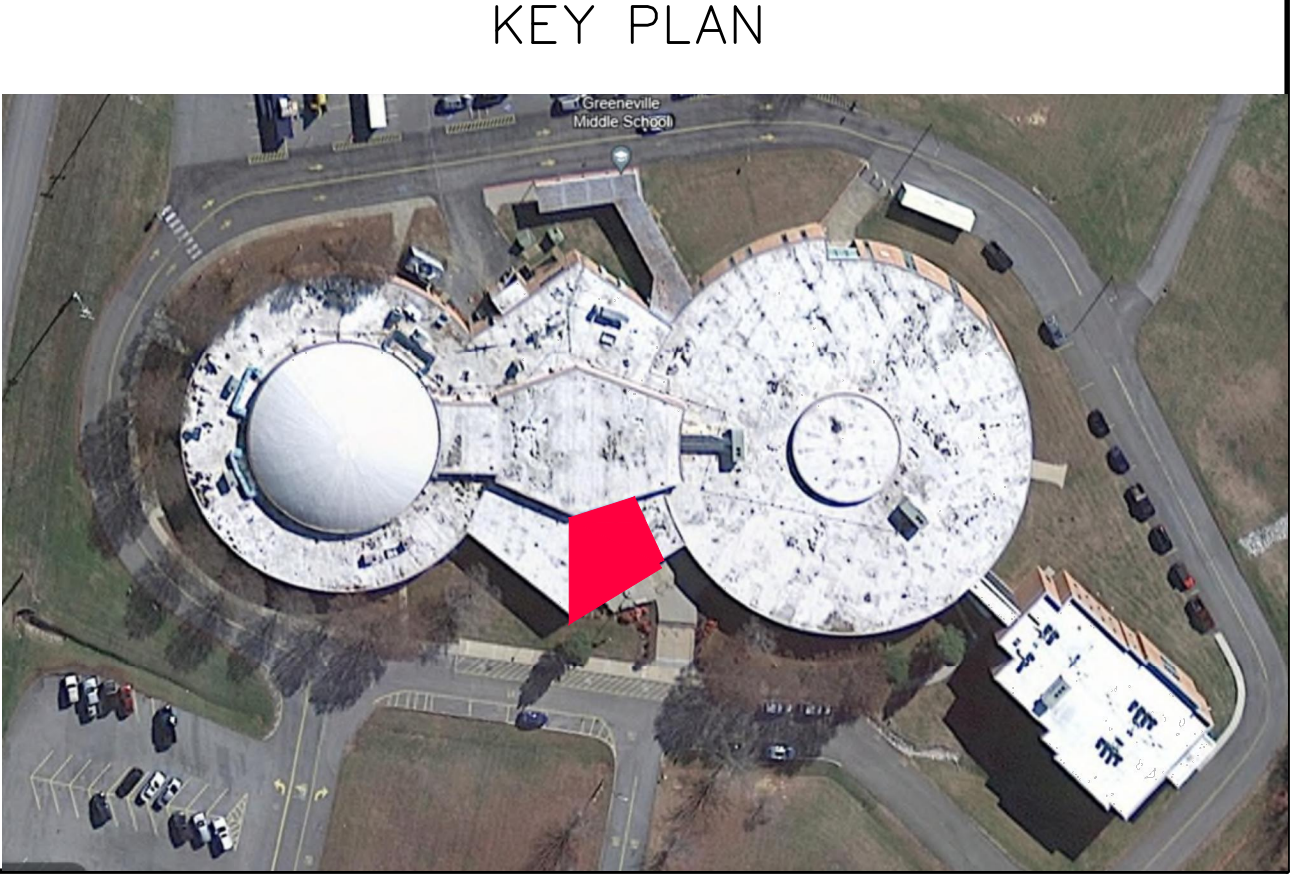


Electrical Engineer

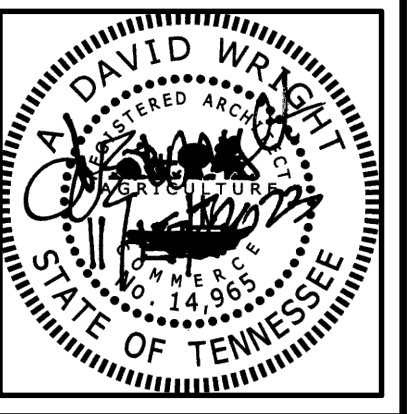


1 Demolition Plan
A1.1 Scale: 1/14"=1'-0"

- Demolition Notes**
- 1 Remove existing door and frame.
 - 2 Remove existing wall.
 - 3 Remove existing casework.
 - 4 Remove plumbing fixture.
- Demolition



No.	Date	Description



Renovations to
Greeneville Middle School
Greeneville, Tennessee

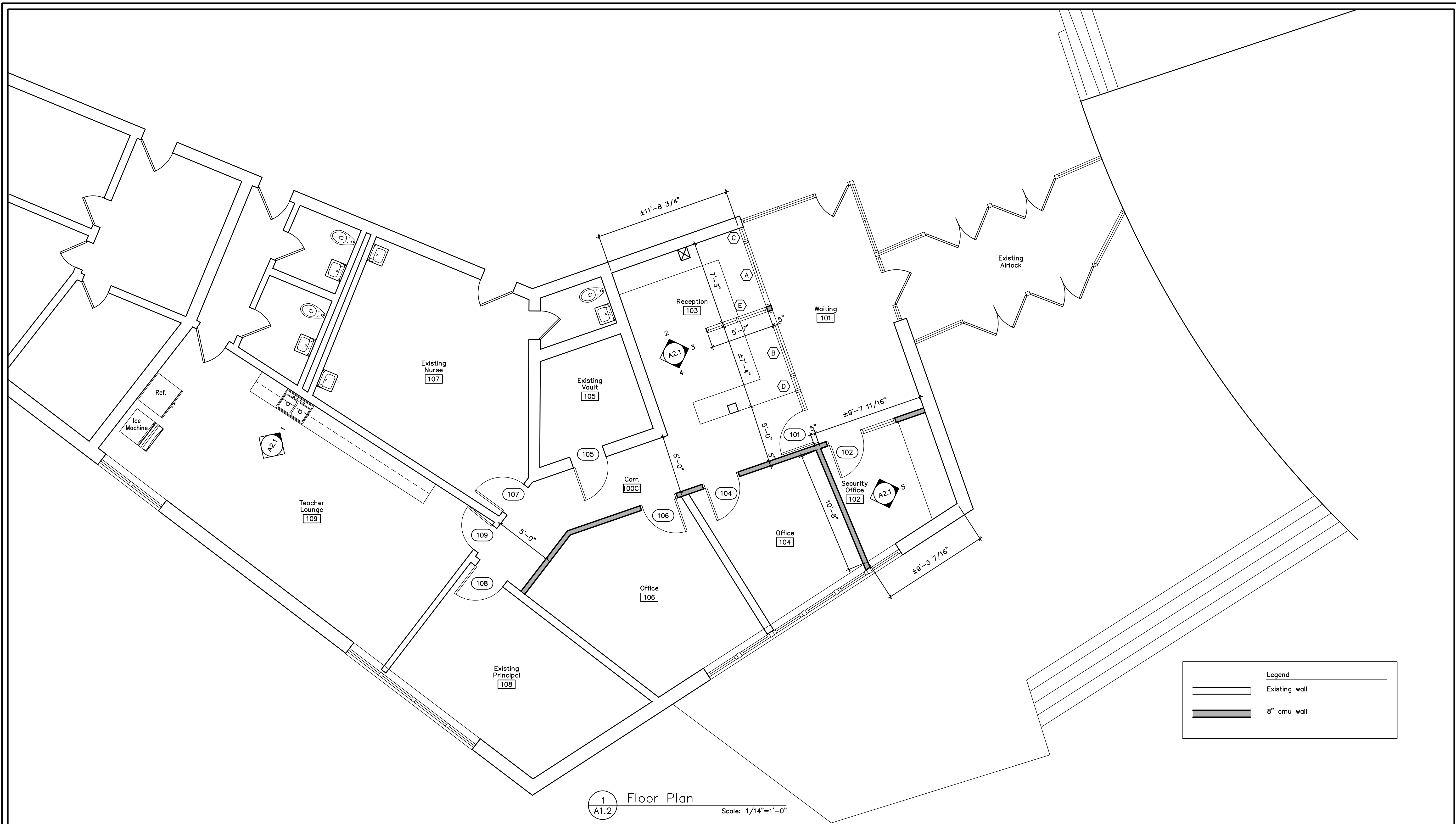
**a. dave wright
architect**

110 S. Main Street
Greeneville, TN. 37743

Phone: (423) 525-5093
Fax: (423) 525-5095
Cell: (423) 329-2876

Drawn: g.k.Stacy
Checked: a.d.Wright
Job No: 23-118
Scale: as noted
Date: 11-15-23
File Name: a-base-plan
Drawing Title: Demolition Plan

Sheet No.
A1.1



1 Floor Plan
A1.2 Scale: 1/14"=1'-0"

Legend	
	Existing wall
	8" cmu wall

Room Finish Schedule										
no	room	floor	base	walls				ceilings		remarks
				north	south	east	west	mat	height	
100C1	Corridor	CPT	RB	PT	PT	PT	PT	ACT	-	1,2,3
101	Waiting	CPT	RB	PT	PT	PT	PT	ACT	-	1,2,3
102	Security Office	CPT	RB	PT	PT	PT	PT	ACT	-	1,2,3
103	Reception	CPT	RB	PT	-	PT	PT	ACT	-	1,2,3
104	Office	CPT	RB	PT	PT	PT	PT	ACT	-	1,2,3
105	Existing Vault	-	-	-	-	-	-	-	-	3,4
106	Office	CPT	RB	PT	PT	PT	PT	ACT	-	1,2,3
107	Existing Nurse Station	-	-	-	-	-	-	-	-	3,4
108	Existing Principal	CPT	RB	PT	PT	PT	PT	ACT	-	1,2,3
109	Existing Teacher Lounge	-	-	-	-	-	-	-	-	3,4

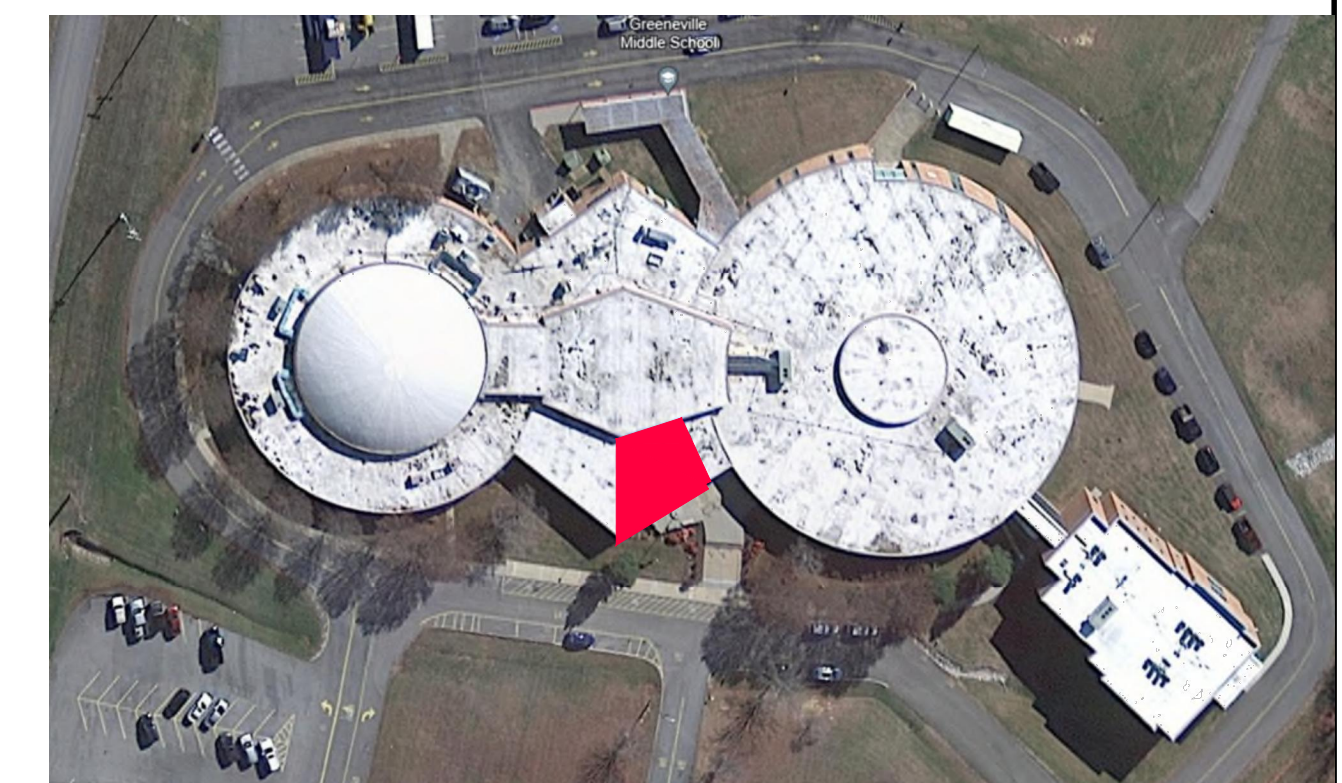
Finish Notes

1. Match existing ceiling tile.
2. Match existing ceiling height.
3. Match existing door stain.
4. No new finishes.

Finish Legend

- PT Paint
- RB Rubber base
- ACT Suspended acoustic tile
- CPT Carpet - Interface, Driftwood Style # 138940AK00 Color - 104861 Elm

KEY PLAN



No.	Date	Description



Renovations to
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Greenville, Tennessee

110 S. Main Street
Greenville, TN. 37743
Phone: (423) 525-5093
Fax: (423) 525-5095
Cell: (423) 329-2876

Drawn: g.k.Stacy
Checked: a.d.Wright
Job No: 23-118
Scale: as noted
Date: 11-15-23
File Name: a-base-plan
Drawing Title: Floor Plan & Room Finish Schedule

Sheet No.
A1.2

D o o r S c h e d u l e

door					frame					hardware					
mark	from	to	type	mat	"w"	"h"	"l"	label	type	mat	head	jamb	sill	set	remarks
101	Waiting 101	Corridor 100C1	B	AL	3'-0"	7'-0"	1 3/4"	-	3	AL	-	-	-	-	1,2,3,4,5
102	Waiting 101	Security Office 102	A	WD	3'-0"	7'-0"	1 3/4"	-	2	HM	-	-	-	-	1,2,3,4,5
104	Corridor 100C1	Office 104	A	WD	3'-0"	7'-0"	1 3/4"	-	1	HM	-	-	-	-	1,2,3,4,5
105	Corridor 100C1	Existing Vault 105	A	WD	3'-0"	7'-0"	1 3/4"	-	Exist. to Remain	-	-	-	-	-	1,2,3,4,5,6
106	Corridor 100C1	Office 106	A	WD	3'-0"	7'-0"	1 3/4"	-	1	HM	-	-	-	-	1,2,3,4,5
107	Corridor 100C1	Exist. Nurse 107	A	WD	3'-0"	7'-0"	1 3/4"	-	Exist. to Remain	-	-	-	-	-	1,2,3,4,5,6
108	Corridor 100C1	Exist. Principal 108	A	WD	3'-0"	7'-0"	1 3/4"	-	Exist. to Remain	-	-	-	-	-	1,2,3,4,5,6
109	Corridor 100C1	Teacher Lounge 109	A	WD	3'-0"	7'-0"	1 3/4"	-	Exist. to Remain	-	-	-	-	-	1,2,3,4,5,6

Door & Frame Legend

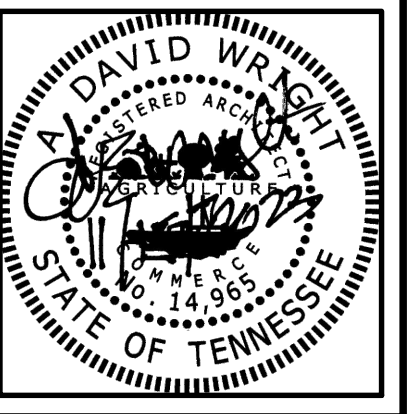
- HM Hollow Metal
- (T) Tempered
- WD Wood

Door and Frame Notes

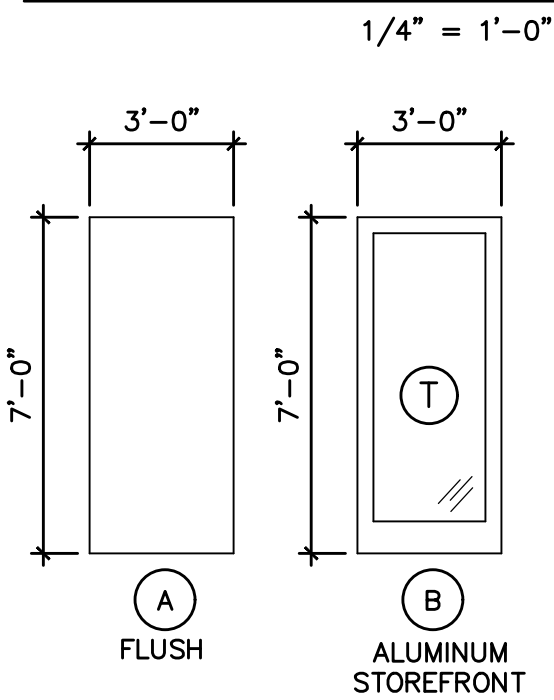
- Hardware allowance - \$600.00 per door. Labor not included.
- Door hardware - exterior and interior passage doors with latching hardware must be equipped with operating hardware devices that comply with accessibility requirements (e.g. lever handle, push/pull latch, etc.)
- Doors shall match existing.
- Keying: coordinate with Users requirements.
- User is to select hardware finish.
- Verify existing door dimensions.

GENERAL NOTES:

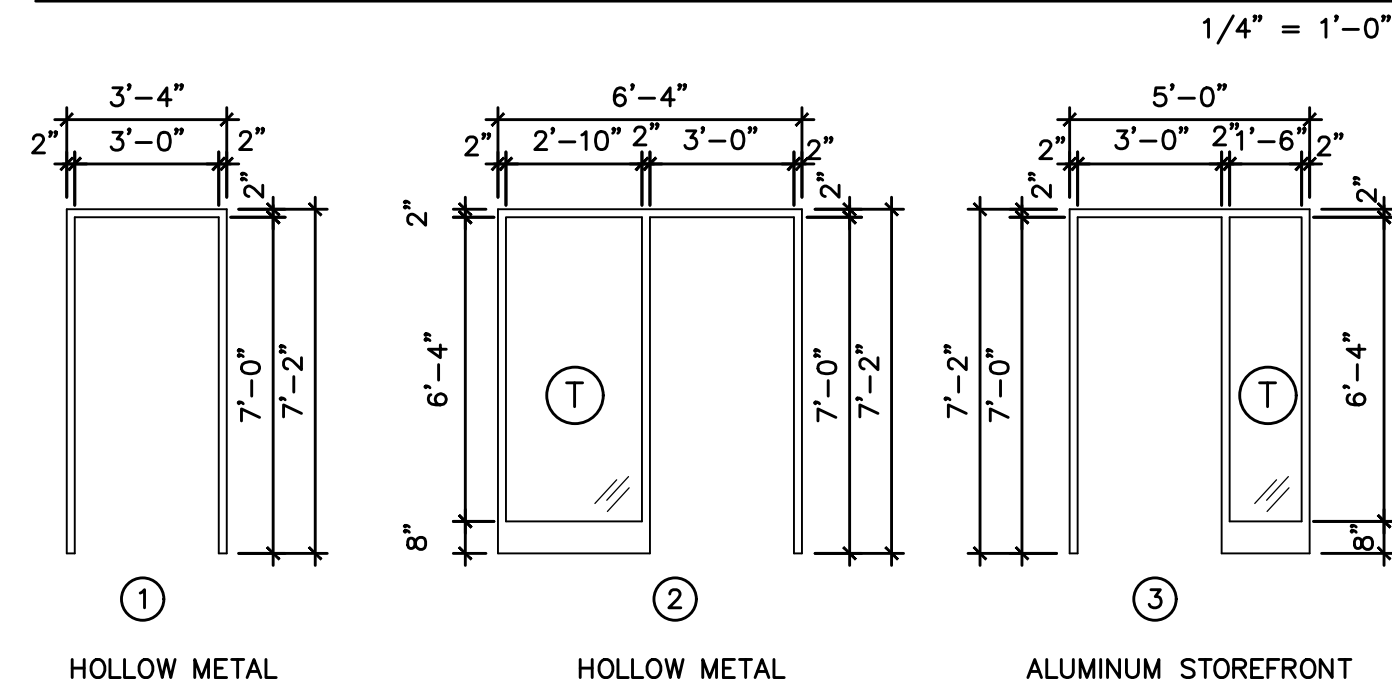
- All millwork shall be plant assembled. Where design, delivery or site conditions require, millwork may be assembled in component units with provisions made for field connection. Shop drawings must indicate unitizing of millwork construction so as to be subject to review by the Architect.
- Grammets for wire management to be provided by millwork contractor. Locations to be coordinated during shop drawing phase.
- General Contractor is responsible for provision and installation of adequate wall blocking for attachment of millwork units.
- General Contractor is responsible for coordination of utilities or services required at millwork units. (Telephone, Electrical, Computer Service, etc.)
- General Contractor may substitute 3/4" particle board for the 3/4" plywood.



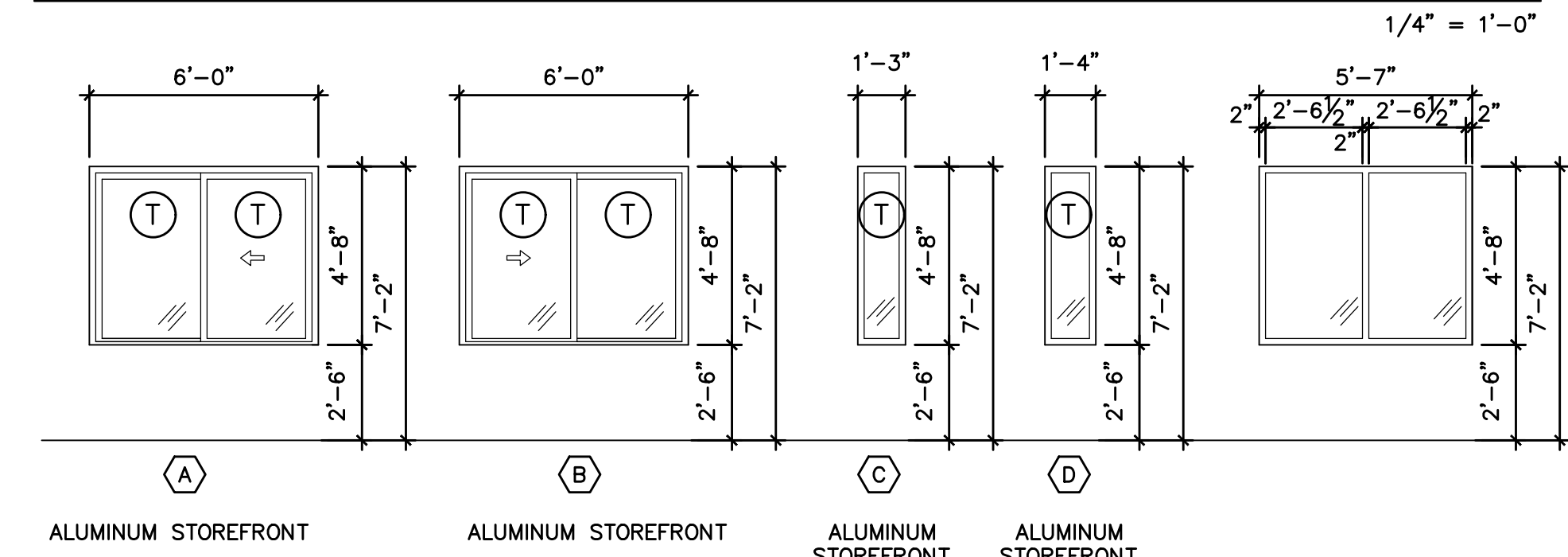
DOOR TYPES



DOOR FRAME TYPES

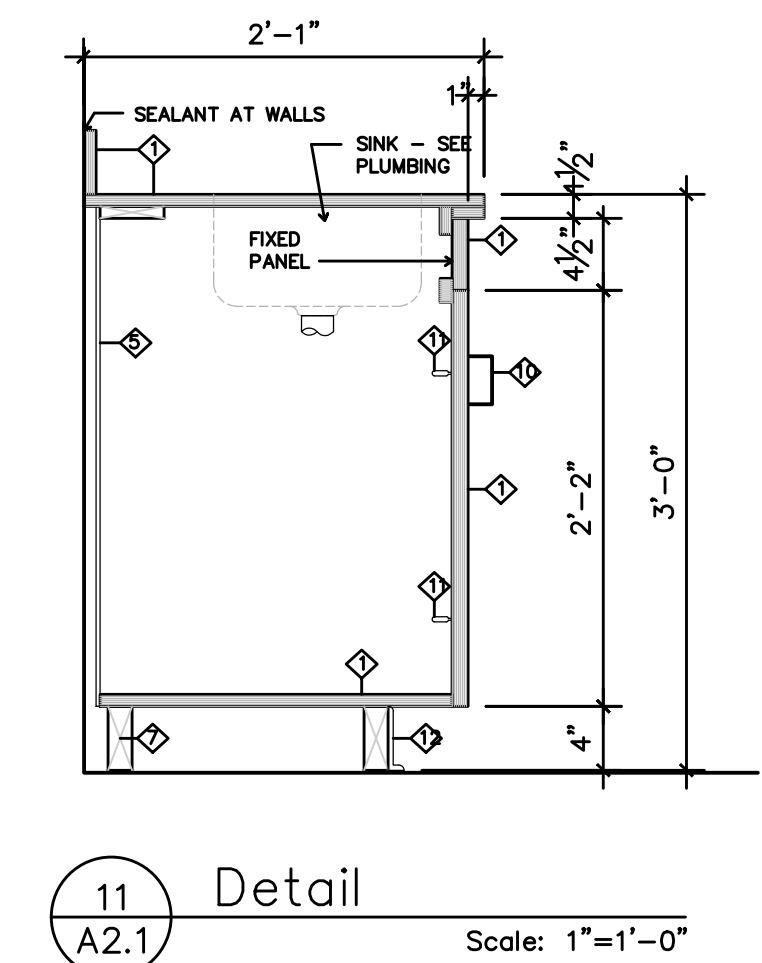
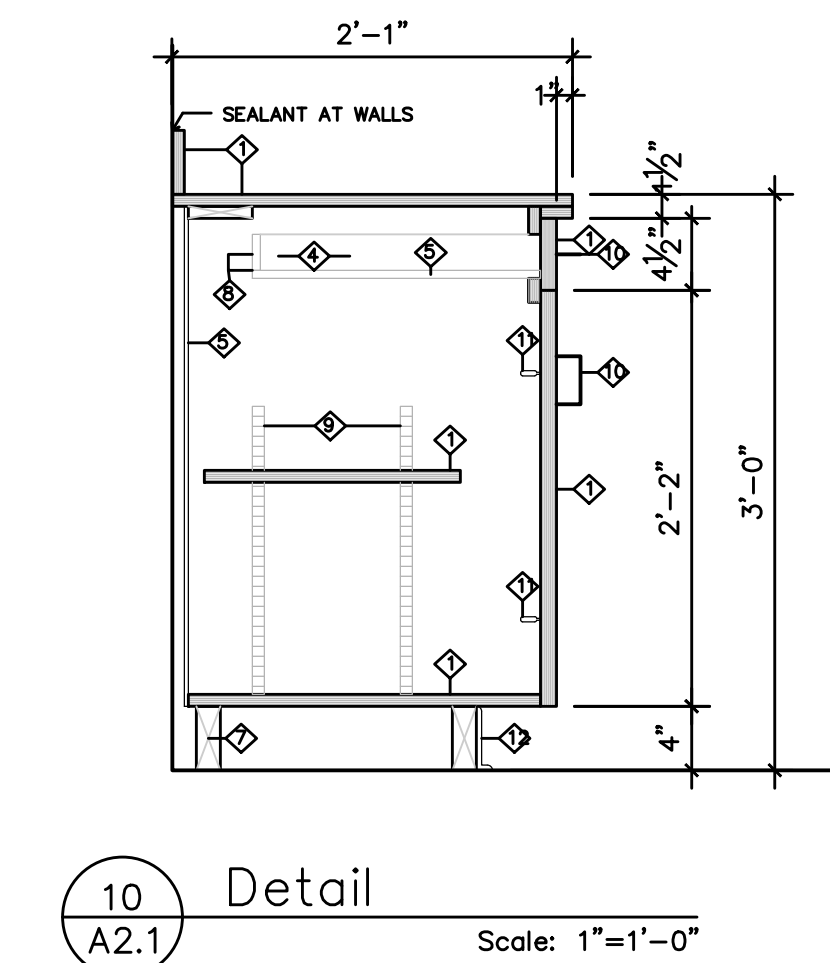
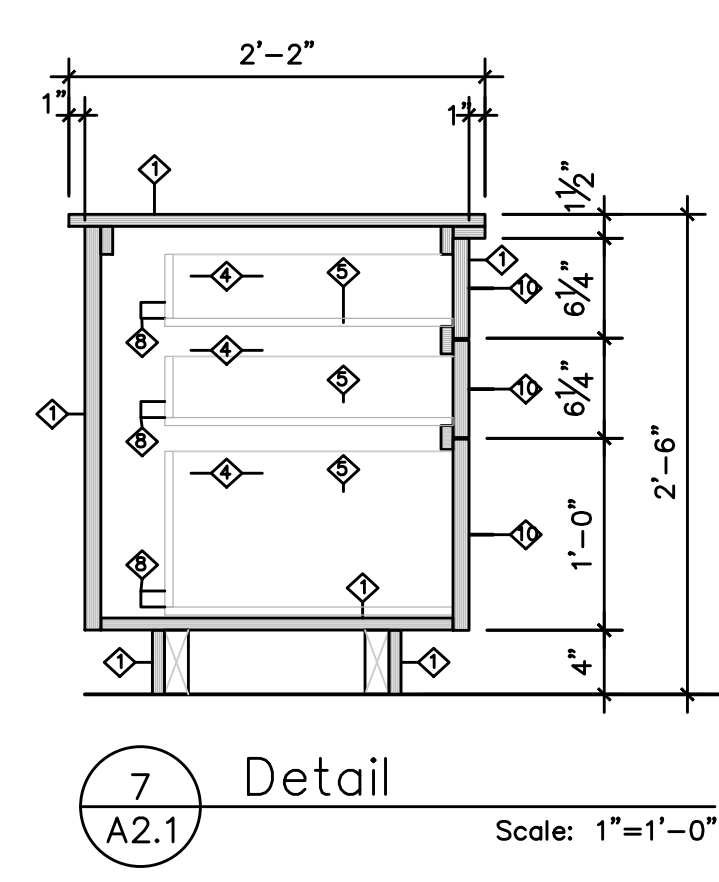
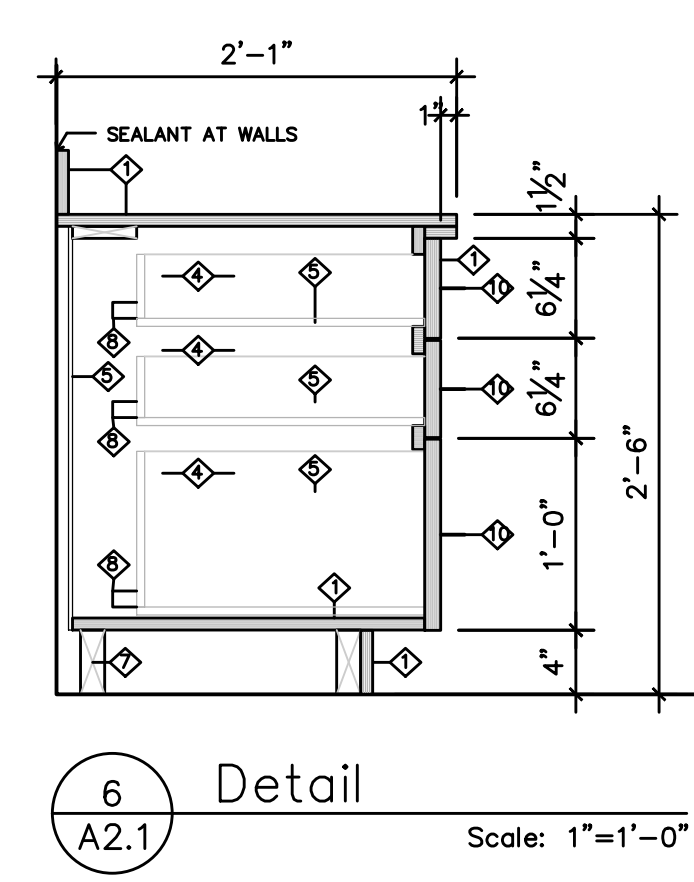
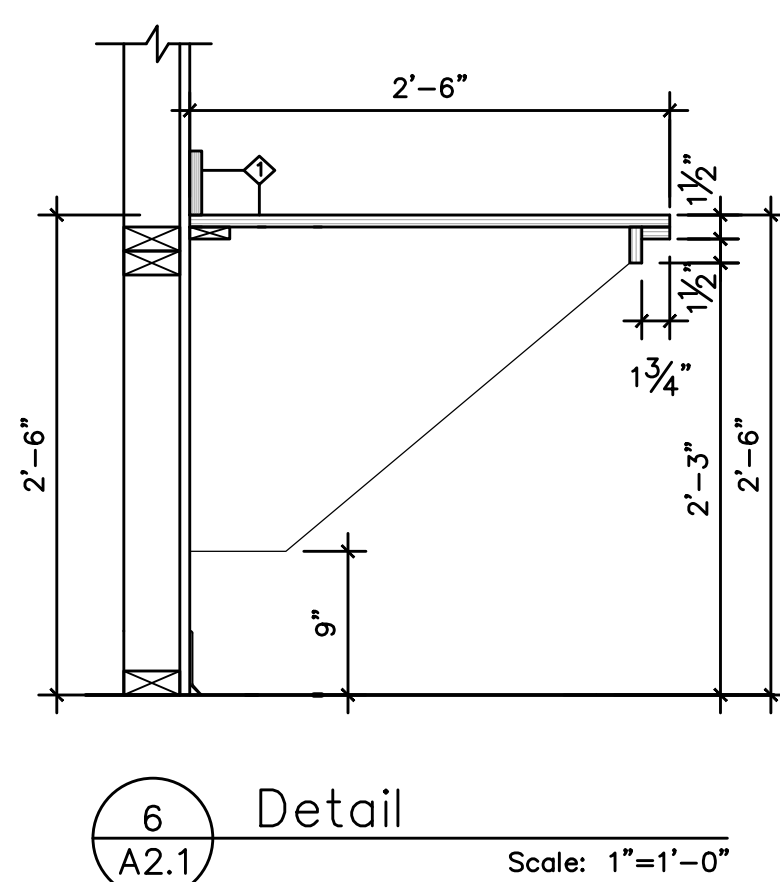
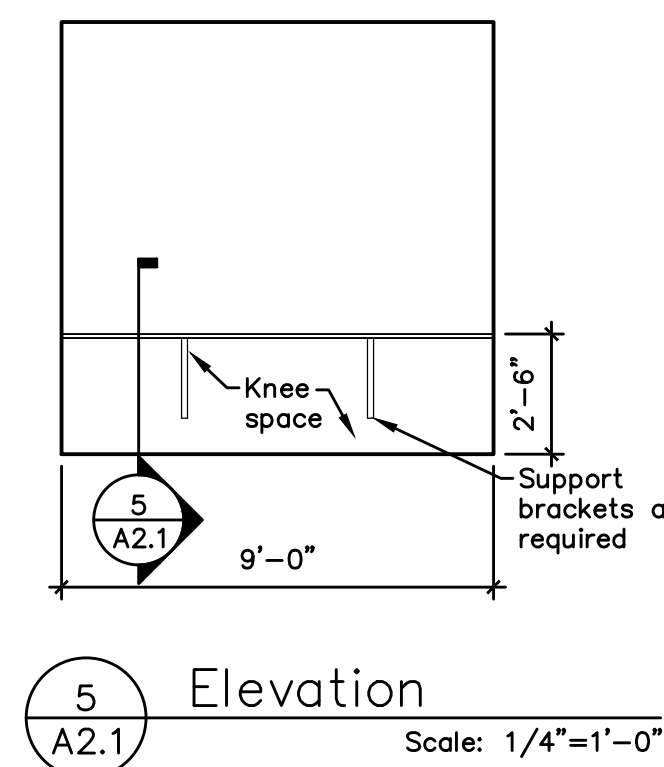
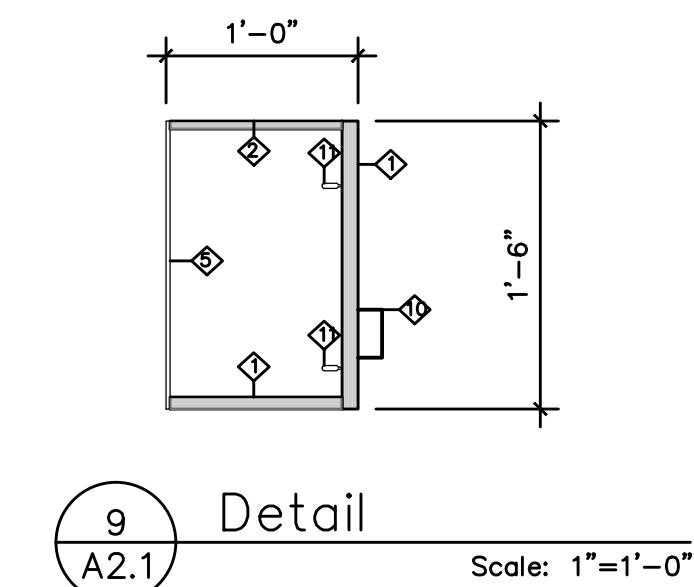
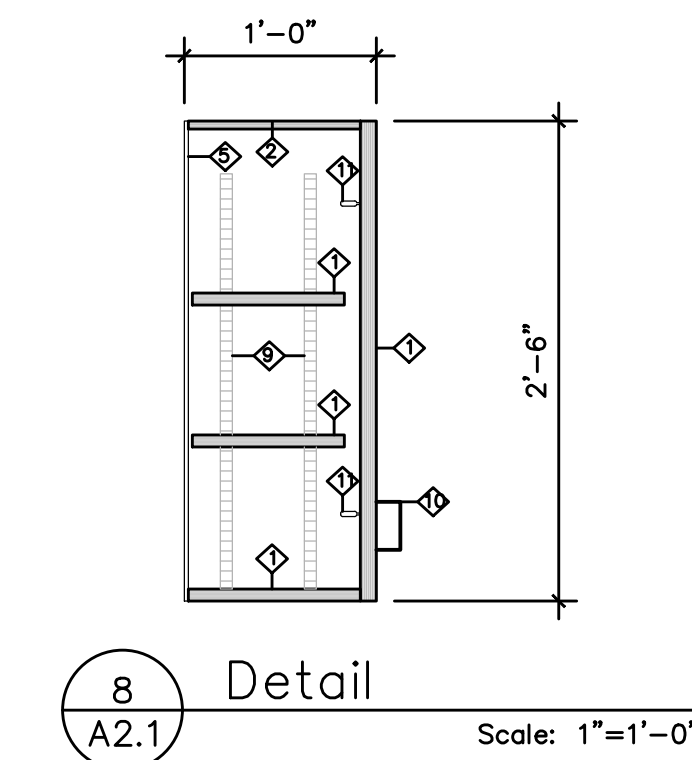
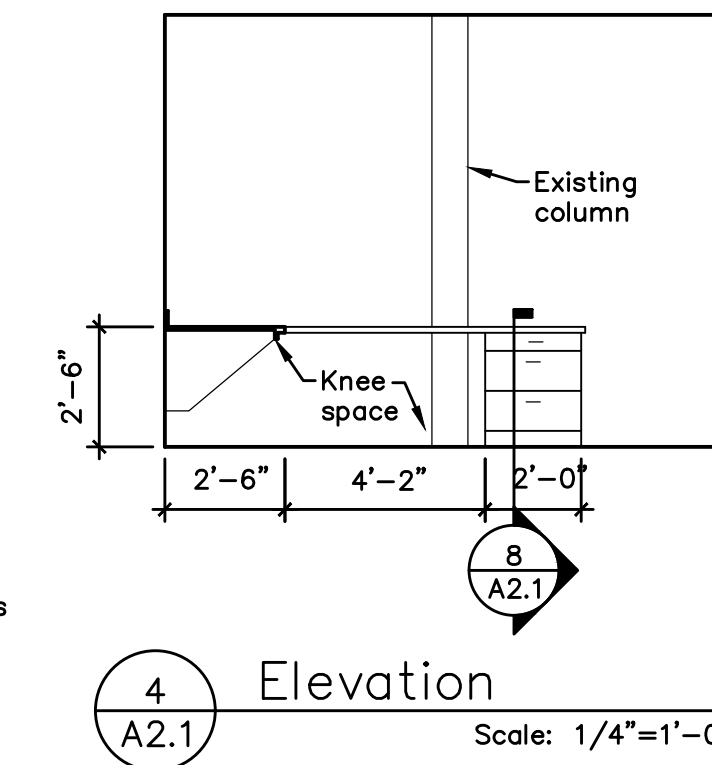
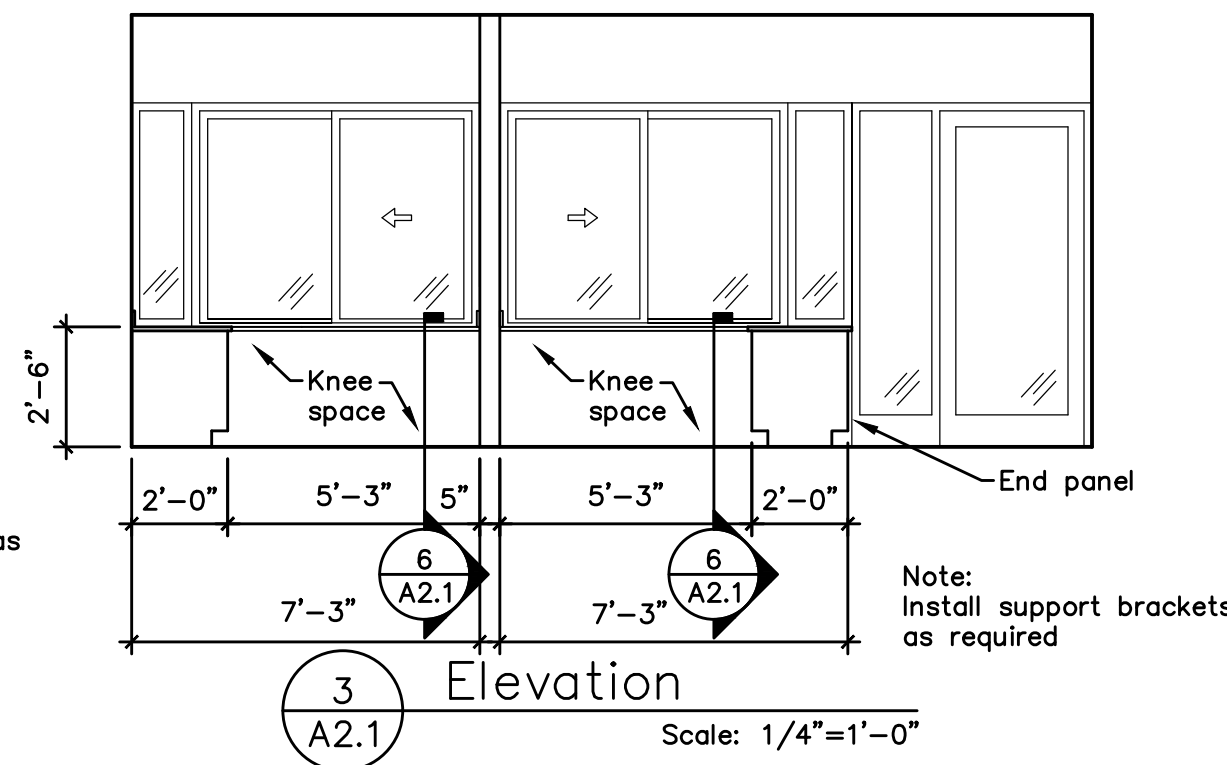
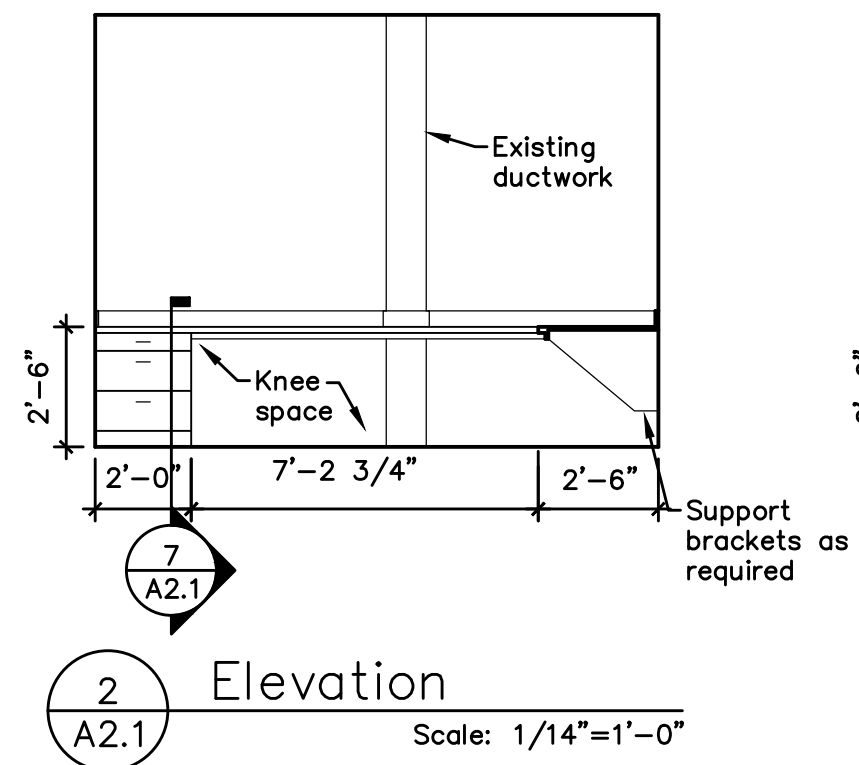
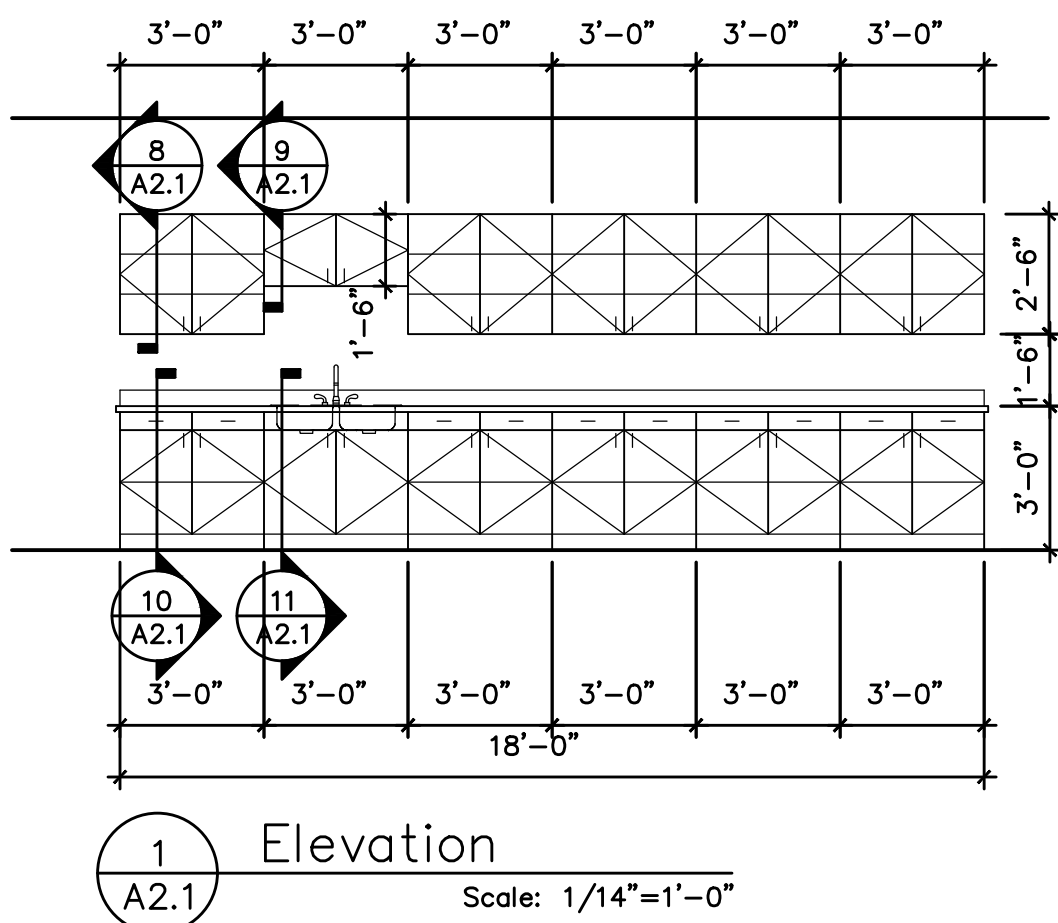


WINDOW TYPES



CABINETRY LEGEND

- ◆ Plastic laminate on 3/4" plywood; Wilsonart or equal.
- ◆ Plastic laminate on 1/2" plywood; Wilsonart or equal.
- ◆ Wood veneer on 3/4" plywood
- ◆ Wood veneer on 1/2" plywood
- ◆ 1/4" plywood exposed surface laminate
- ◆ 3/4" hardwood
- ◆ 1 1/2" base with horizontal bracing 24" o.c.
- ◆ Side mounted drawer slides - each side; full extension, Heavy Duty grade
- ◆ Metal shelf standards - recessed
- ◆ 4" aluminum wire pull - clear anodized (ADA compliant)
- ◆ European style hinge - (3) dimensional adjustment
- ◆ Base - as scheduled
- ◆ Hardwood blocking as required
- ◆ Solid surfacing - Flat sheet thickness 3/4" minimum. Corian or equal.






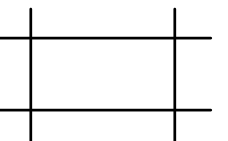


Renovations to
Greenville Middle School
 Greeneville, Tennessee



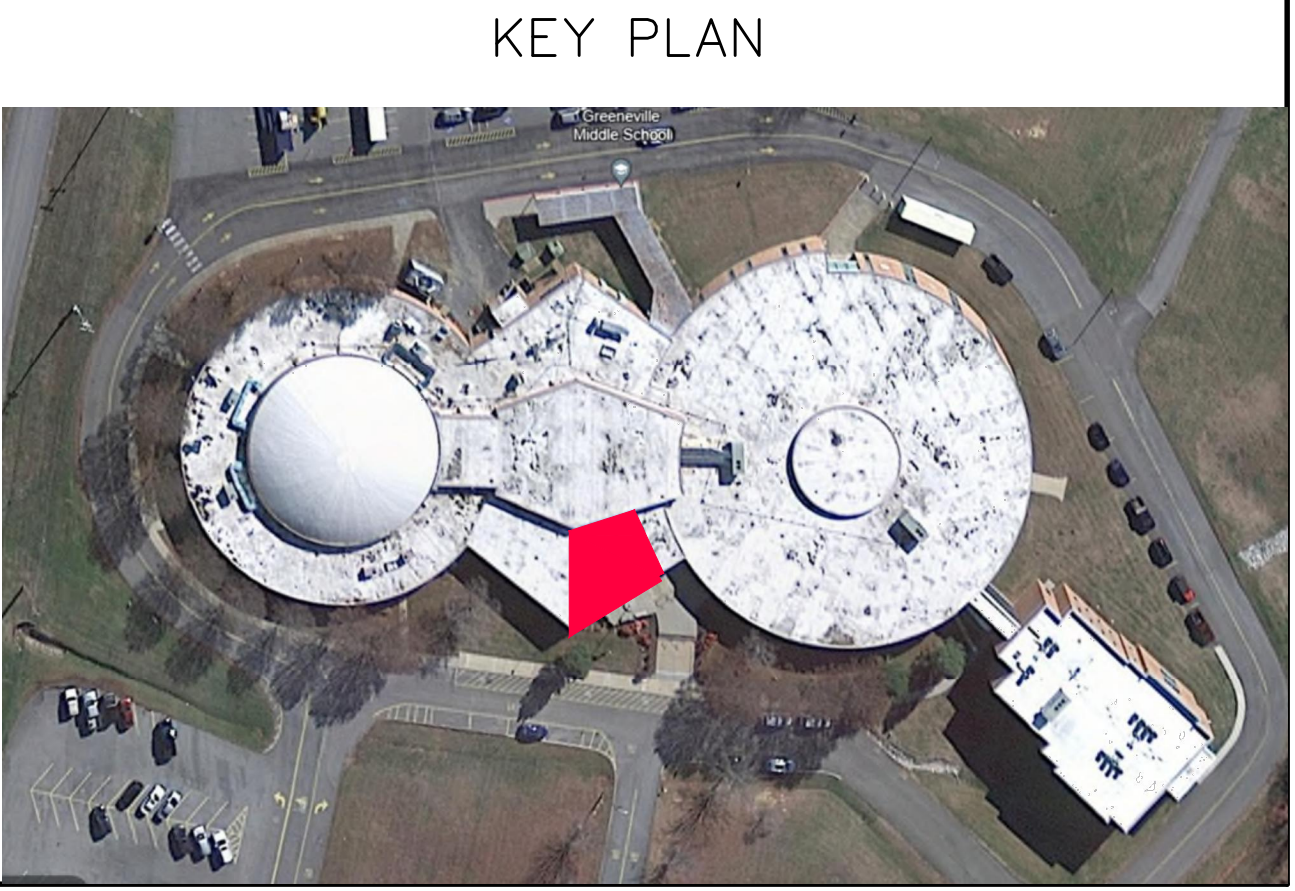
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 Checked: a.d.Wright
 Job No: 23-118
 Scale: as noted
 Date: 11-15-23
 File Name: a-base-plan
 Drawing Title:
 Door Schedule,
 Elevations, &
 Details
 Sheet No.
A2.1



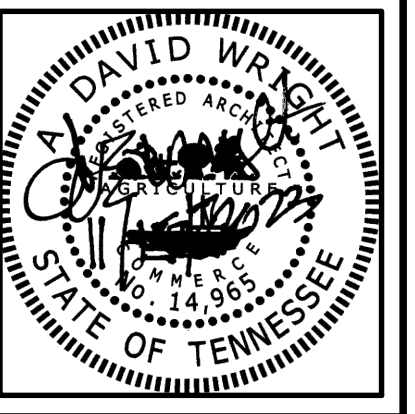
Reflected Ceiling Legend

	2' x 4' recessed LED light, see Electrical		Mini split ceiling cassette, see Mechanical
	2' x 2' recessed LED light, see Electrical		Suspended acoustic tile ceiling, 2'-0"x4'-0"
	Exit light, see Electrical		
	wall mounted emergency egress remote fixture, see Electrical		

1 Reflected Ceiling Plan
A3.1 Scale: 1/14"=1'-0"



No.	Date	Description



Renovations to
Greeneville Middle School
Greeneville, Tennessee



**a. d. wright
architect**

110 S. Main Street
Greeneville, TN. 37743

Phone: (423) 525-5093
Fax: (423) 525-5095
Cell: (423) 329-2876

Drawn: g.k.Stacy
Checked: a.d.Wright
Job No: 23-118
Scale: as noted
Date: 11-15-23
File Name: a-base-ceiling
Drawing Title: Reflected Ceiling Plan
Sheet No. A3.1

Abbreviations

ab	anchor bolt	kit	kitchen
act	acoustical tile	ko	knockout
adh	adhesive	kd	knockdown
adj	adjustable		
aff	above finish floor	lam	laminated
alt	alternative, alternate	lav	lavatory
alum	aluminum	lf	linear feet
anod	anodized	lkr	locker
arch	architect, architectural	lt	light
asph	asphalt		
au	ash urn	mas	masonry
		mat	material
bd	board (architectural)	mbh	map & broom holder
bg	bumper guard	mech	mechanical
bitum	bituminous	mir	mirror
bidg	building	m/s	mirror with shelf
blkg	blocking	mo	masonry opening
bm	beam	mr	map rack
brk	brick	mtg	mounting
brz	bronze	mtl	metal
bur	built-up roofing	mul	mullion
bwk	brick work		
		n/a	non applicable
cab	cabinet	nic	not in contract
cct	cubicle curtain track	nom	nominal
cg	corner guard	nrc	noise reduction coefficient
c.i.p.	cast-in-place	nts	not to scale
cj	control joint		
cl	center line	oa	overall (dimension)
clg	ceiling	oc	on center
clo	closet	od	outside diameter
clr	clear	opng	opening
cmu	concrete masonry unit	opp	opposite
col	column		
conc	concrete	pc	precast
cont	continuous	plas	plaster
corr	corridor	p lam	plastic laminate
cpt	carpet (architectural)	pnl	panel
cr	curtain rod (shower)	proj	projection, project
ct	ceramic tile (architectural)	ptd	paper towel dispenser
		pwd	plywood
demo	demolish, demolition	pt	paint
det	detail	ps	purse shelf
df	drinking fountain	qt	quarry tile
dio	diameter		
dim	dimension	r.o.w.	right of way
dn	down	rd	roof drain
dr	door	ref	refrigerator
dr	downspout	ref	refrigerator, reinforcement
dti	detail	reqd	required
dw	dumbwaiter	rh	robe hook
dwg	drawing	ro	rough opening
dwr	drawer		
ea	each	sched	schedule
edf	elect. drink. fountain	sd	soap dish
ej	expansion joint	sdp	soap dispenser
el	elevation	sect	section
elec	electric(al)	sf	square foot (feet)
elev	elevator	sgt	structural glazed tile
epx	epoxy	sht	sheet
eq	equal	shth	sheathing
equip	equipment	sim	similar
ew	each way	snd	sanitary napkin disposal
exp	exposed	snv	sanitary napkin vendor
ext	exterior	specs	specifications
		ss	stainless steel
fac	fire apparatus cabinet	stc	sound transmission coefficient
fd	floor drain	std	standard
fe	fire extinguisher	stor	storage
fec	fire extinguisher cabinet	stl	steel
ffe	finish floor elevation	struc	structure or structural
fhc	fire hose cabinet	susp	suspended
fin	finish	sv	sheet vinyl
flr	floor(ing)		
fluo	fluorescent	t	tempered
f.o.f.	face of finish	t/conc	top of concrete
furr	furring	t/s	top of steel/slab
		t/w	top of wall
ga	gauge	t&g	tounge and groove
galv	galvanized	tb	towel bar
gb	grab bar	tel	telephone
gc	general contractor	thk	thick(ness)
gwb	gypsum wallboard	tit	toilet
		tpd	toilet paper dispenser
hc	handicapped	typ	typical
hdw	hardware		
hdwd	hardwood	uc	undercut
hm	hollow metal	ul	underwriters laboratory
hor	horizontal	ur	urinal
hr	handrail	usu	utility shelf unit
ht	height		
ht	heating/ventilating/air cond.	vct	vinyl composition tile
hv	homogenous vinyl	vert	vertical
		vest	vestibule
		vvc	vinyl wall covering
i.d.	inside diameter		
in	inches	wd	wood
ins	insulation	wg	wire glass
int	interior	wt	weight
jan	janitor	wr	waste receptacles
jt	joint		

Materials and Symbols

	earth		blocking		column center line
	gravel		plywood		room name and number
	concrete		glass block		door number
	cast stone		batt insulation		equipment number
	cmu		rigid insulation		partition type
	brick		foam insulation		revision
	struct. clay tile		acoustical tile		window type
	stone		ceramic tile		exterior elevation
	marble		terazzo		building section
	steel		carpet		wall section
	structural steel		project north		detail section
	wood finish		match line		detail section
	wood rough framing		level line		interior elevation

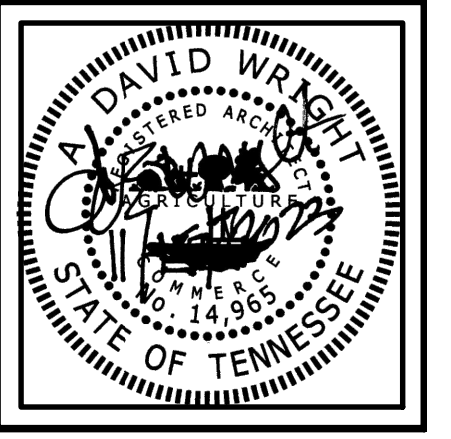
Grab Bar Requirements @ Bathrooms

- 1 1/4" to 1 1/2" outside diameter.
- 1 1/2" clear handspace between the inner face of the grab bar & the finished wall.
- Must support a 250 pound load.
- Must be located not less than 33" or more than 36" above the finished floor.

General Notes

- Do not scale drawings - use dimensions only. For dimensions not shown or in question, contractor shall request clarification from architect before proceeding.
- Unless otherwise noted, interior partition dimensions are given face to face of finished stud wall/CMU and to column centerline. Millwork detail dimensions are from face of finish surfaces. (GWB, plaster, etc.)
- Elevations and levels are shown to top of finished hard surfaces (concrete floor slab), exclusive of applied finishes (carpet, VCT, other thinsit finish materials).
- Contractor shall verify all existing dimensions, conditions, and equipment locations in the field. Discrepancies shall be brought to the attention of the Architect.
- Electric panels, alarm boxes, fire equipment cabinets and other recessed boxes greater than 16 square inches that are located in rated walls shall be backed by gypsum wall board layers sufficient to maintain the designated rating.
- All vertical piping exposed in rooms shall be furred and finished to match adjacent wall. Exceptions are mechanical and elevator equipment rooms, electric and telephone closets.
- Ceiling and access panels shall be provided in non-accessible ceilings below the following mechanical and plumbing devices:
 - valves
 - flow measuring devices
 - mixing boxes
 - power operated dampers
 - access panels in ductwork
 - volume and balancing devices
 - water flow switches
 - sprinkler system drains and test connections
 - pressure switches
- All existing work, furnishings, equipment or material to remain that are damaged by Contractor's operation under this contract shall be rectified or repaired at no additional cost to owner.

No.	Date	Description



Renovations to
Greenville Middle School
 Greeneville, Tennessee

a. dave wright architect

 110 S. Main Street

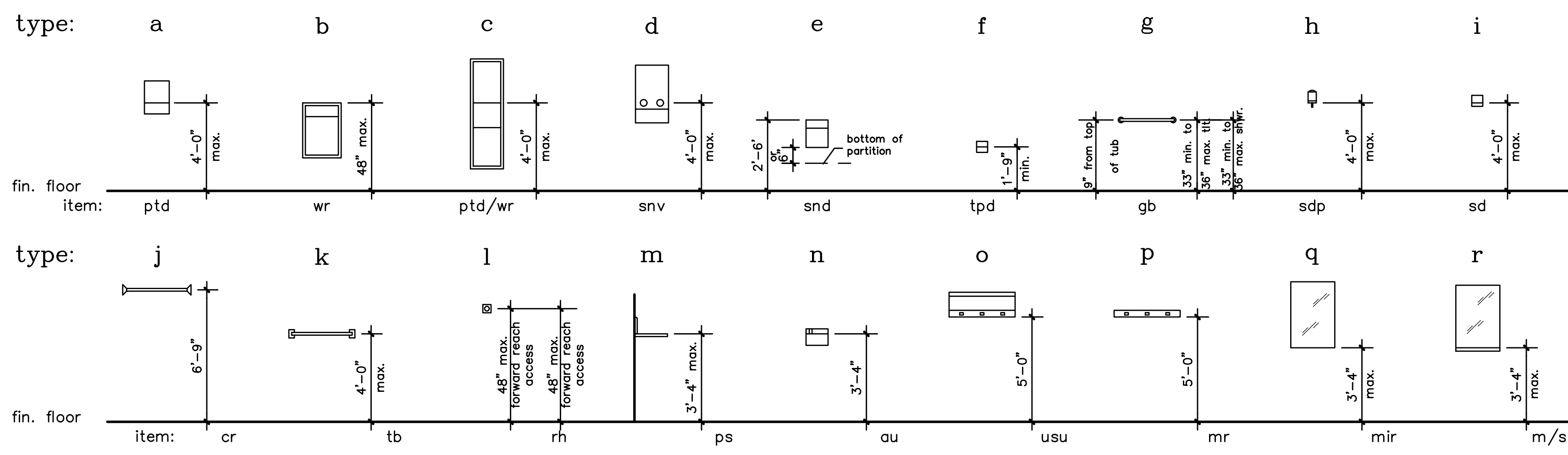
 Greeneville, TN, 37743

 Phone: (423) 525-5095

 Fax: (423) 525-5095

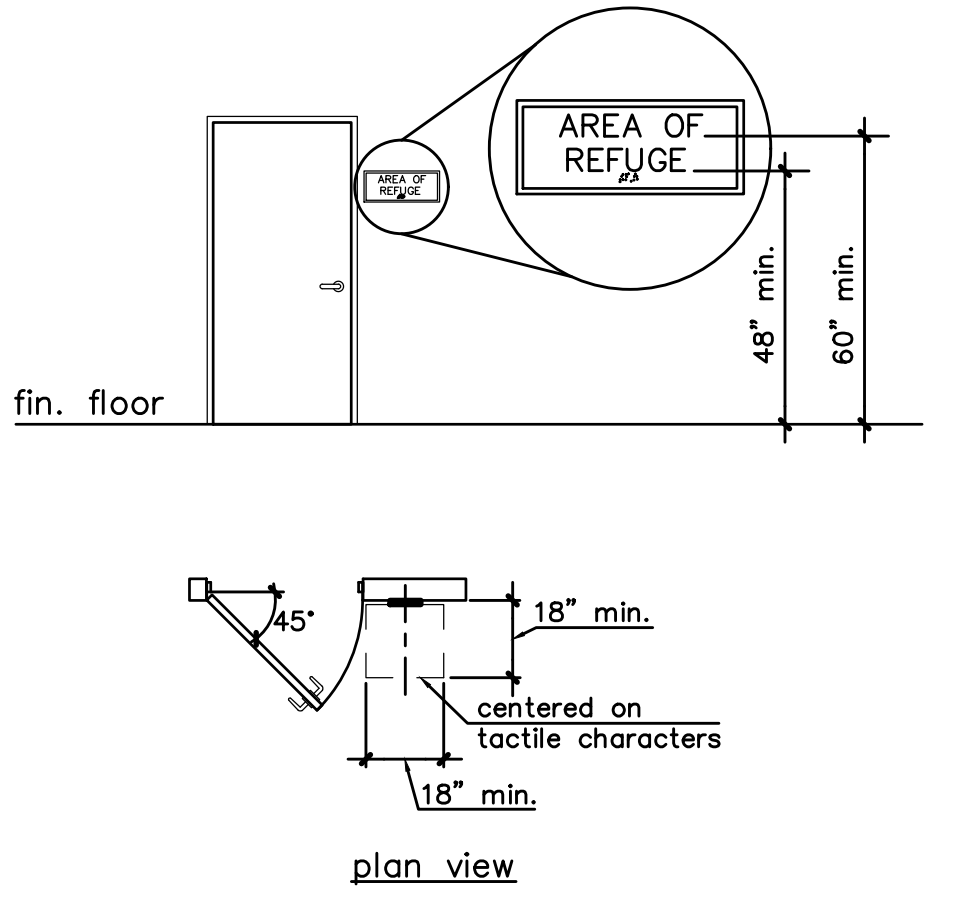
 Cell: (423) 329-2876

Accessories

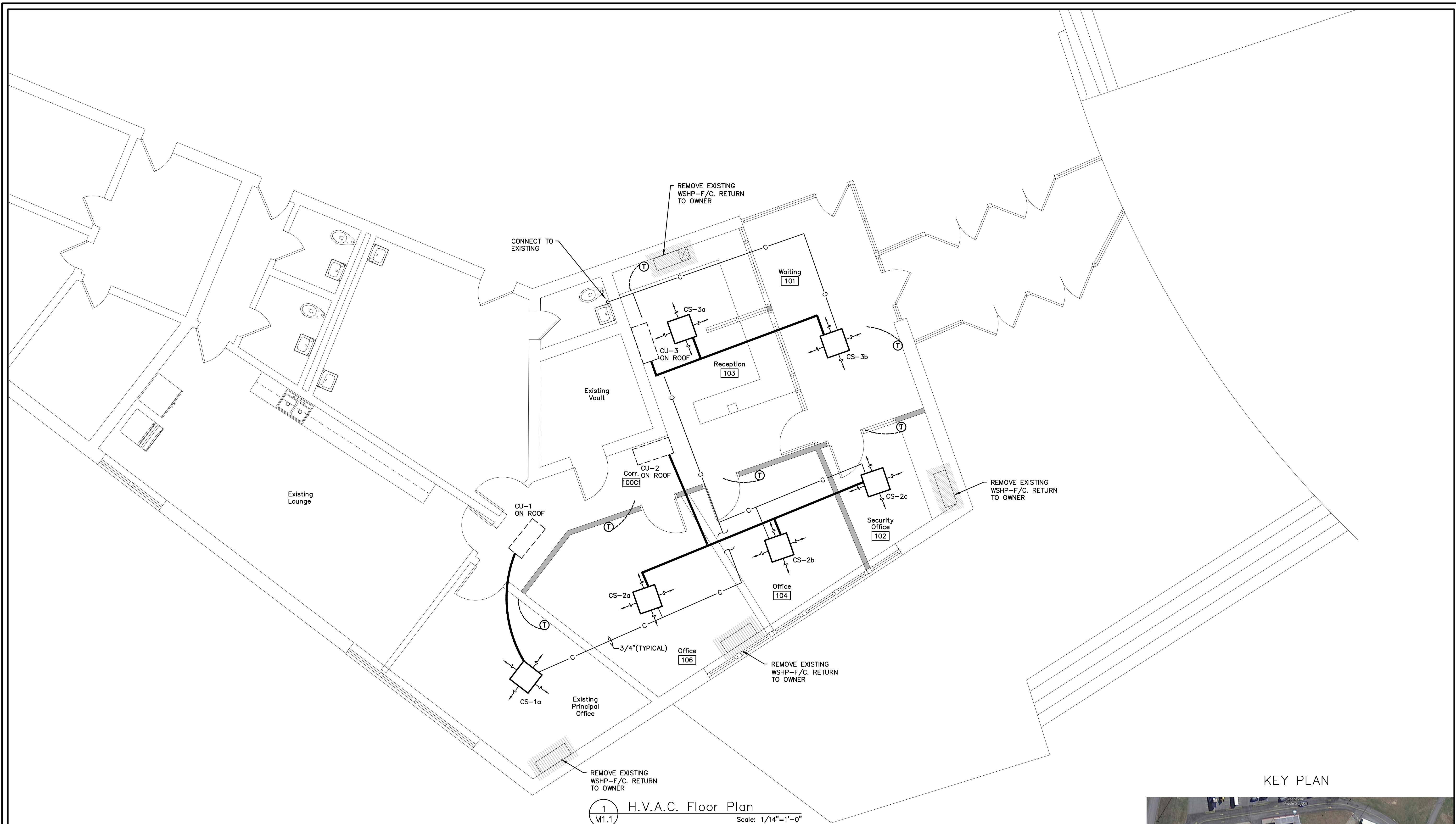


Note: Refer to manufacturer's installation guidelines for further ADA clarification.

Signage

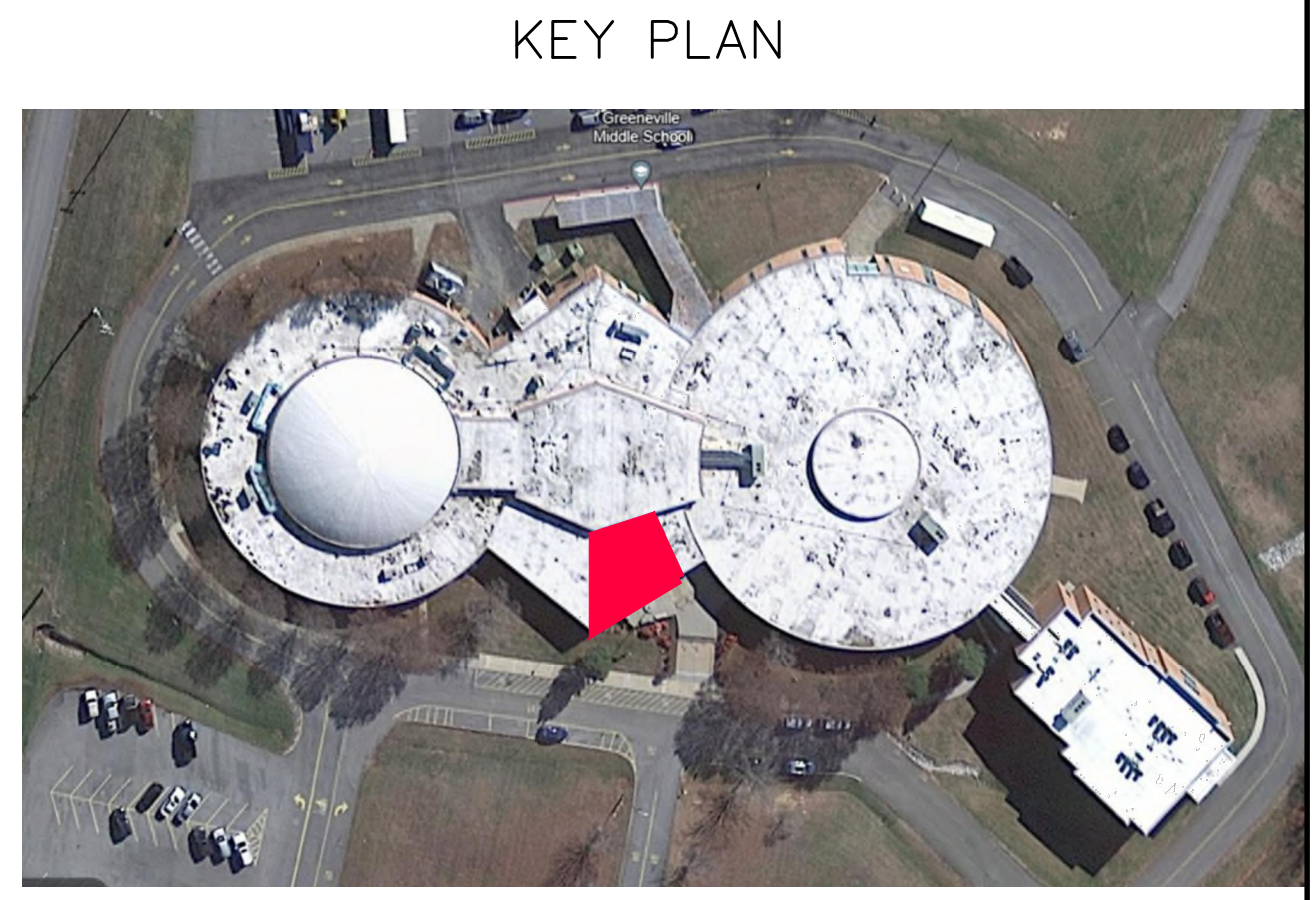


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Scale:	as noted
Date:	11-15-23
File Name:	
Drawing Title:	Drawing Standards
Sheet No.	DS1.1



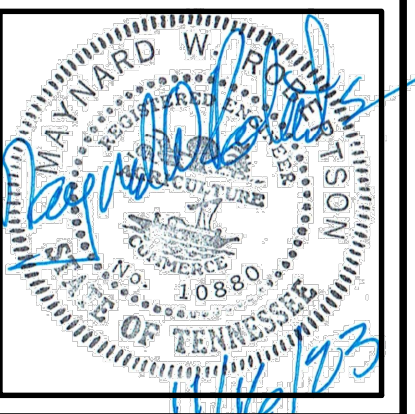
1 H.V.A.C. Floor Plan Scale: 1/14"=1'-0"

HVAC LEGEND			
SYMBOL	DEFINITION	SYMBOL	DEFINITION
	MINI SPLIT CEILING CASSETTE (4-WAY THROW)	AFF	AT FINISHED FLOOR
	THERMOSTAT AND CONTROL WIRING	CFM	CUBIC FEET PER MINUTE (AIR FLOW)
	PIPE TURNING DOWN	CS	MINI SPLIT CASSETTE (4-WAY THROW)
	PIPE TURNING UP	CU	CONDENSING UNIT
	CONDENSATE PIPING	WSHP	WATER SOURCE HEAT PUMP



Maynard W. Robertson
Consulting Engineer
 423-470-3302
 mwreng@comcast.net

No.	Date	Description



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Greenville Middle School
 Greenville, Tennessee

110 S. Main Street
 Greenville, TN. 37743
 Phone: (423) 525-5093
 Fax: (423) 525-5095
 Cell: (423) 329-2876

Drawn: **g.k.Stacy**
 Checked: **m.w.Robertson**
 Job No: 23-118
 Scale: as noted
 Date: 11-16-23
 File Name: **m-base-plan**
 Drawing Title:
 H.V.A.C Floor Plan

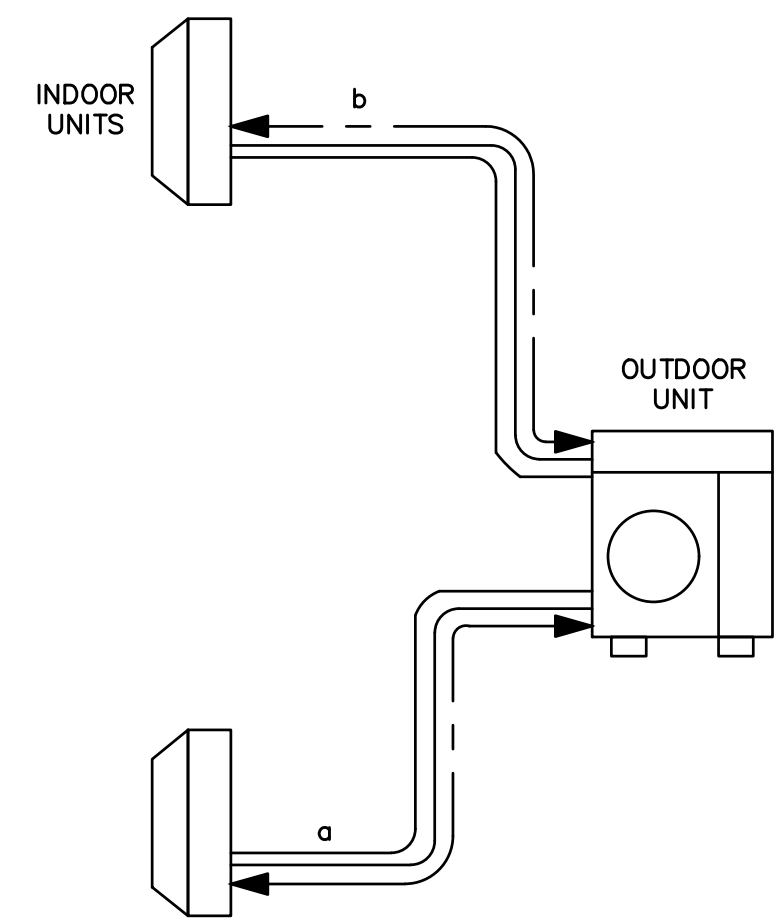
Sheet No.
M1.1

MECHANICAL/HVAC NOTES

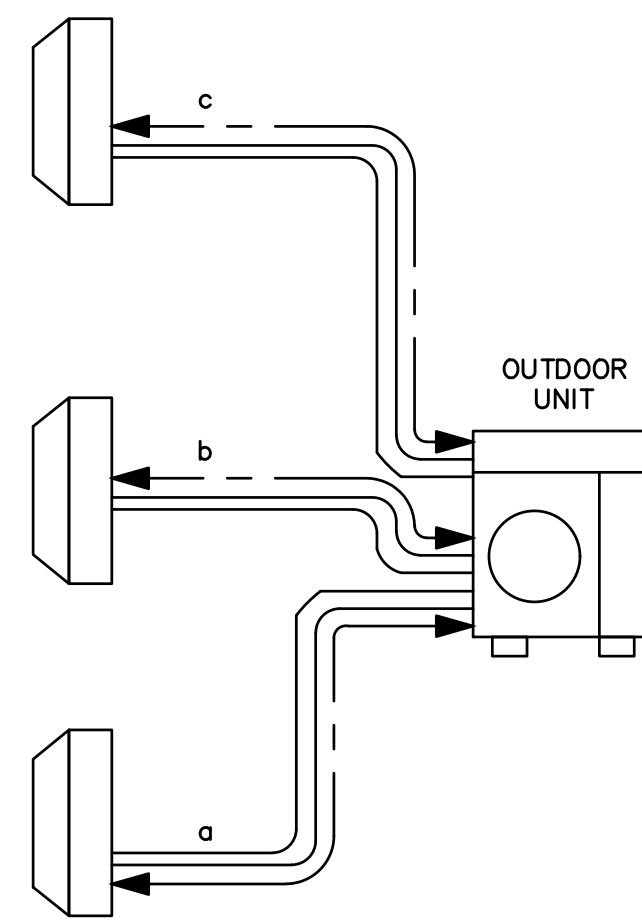
- FURNISH ALL LABOR, INSTALL ALL MATERIALS & EQUIP. INCLUDE ALL SERVICES AND INCIDENTALS PROPER TO THE INSTALLATION OF WORK INVOLVED FOR A COMPLETE AND OPERATING FACILITY.
- SURVEY JOB SITE TO OBTAIN A FULL UNDERSTANDING OF THE WORK INVOLVED IN CONNECTION WITH ANY EXISTING CONDITIONS. ADDITIONAL FEES WILL NOT BE PAID FOR MISSED OR OVERLOOKED CONDITIONS REQUIRING ADDITIONAL WORK IF DETERMINED BY THE DESIGN ENGINEER THAT SAID CONDITIONS COULD HAVE BEEN REASONABLY DETECTED DURING THE JOB SITE SURVEY.
- GUARANTEE WORK TO BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE OR AS REQUIRED BY SPECIFICATIONS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AND PAY FOR ALL REQUIRED PERMITS, FEES AND INSPECTIONS FOR THE PROJECT.
- ALL EQUIPMENT SHALL BE NEW AND BEAR ACCEPTANCE LABEL FROM CERTIFIED TESTING LABORATORY (UL OR OTHER).
- CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES, SPECS AND DRAWINGS AND OWNER'S DIRECTIONS. COORDINATE LOCATION OF DUCTWORK, PIPING, AND DIFFUSERS WITH ALL OTHER TRADES.
THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF MASONRY RETURN AIR OPENINGS AND RECESSED EQUIPMENT.
PROVIDE RETURN AIR OPENINGS THRU WALLS AS REQUIRED TO MAINTAIN RETURN AIR PATH. OPENINGS SHALL BE SIZED FOR REQUIRED CFM AT A VELOCITY NOT TO EXCEED 800 FEET PER MINUTE. PROVIDE LINTELS AS REQUIRED.
CONTRACTOR SHALL COORDINATE ALL OPENINGS REQUIRING LINTELS.
ALL SUPPLY, RETURN AND EXHAUST GRILLES AND REGISTERS LOCATED IN WALL SHALL BE MOUNTED ONE BLOCK COURSE BELOW CEILING, UNLESS NOTED OTHERWISE.
LOCATE ALL CEILING DIFFUSERS, REGISTERS, GRILLES, ETC. TO CONFORM WITH REFLECTED CEILING PLAN.
ALL PIPING AND DUCTWORK IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR ABOVE SUSPENDED CEILINGS.
ALL DUCTWORK AND PIPING IN AREAS WITHOUT CEILINGS SHALL BE INSTALLED AS HIGH AS POSSIBLE. RUN THRU OR BETWEEN JOISTS AS REQUIRED.
FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.
ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE IN INCHES EXCEPT AS NOTED OTHERWISE.
ACCESS PANELS IN GYPSUM BOARD CEILINGS ARE REQUIRED FOR ALL EQUIPMENT, VALVES, TRAPS, DAMPERS, CLEANOUTS, ETC.
CEILING DIFFUSER SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES. ALL DIFFUSERS ARE 4-WAY UNLESS OTHERWISE NOTED.
- EQUIPMENT SELECTION AS SHOWN ON THE DRAWINGS IS FOR DESIGN PURPOSES ONLY. ACTUAL INSTALLED EQUIPMENT MAY DIFFER FROM THAT SHOWN. EQUIPMENT PERFORMANCE CHARACTERISTICS AND TYPE SHALL BE GOVERNING FACTORS IN SUBSTITUTING "OR EQUAL". COORDINATE EQUIPMENT ELECTRICAL REQUIREMENTS WITH ELECTRICAL DRAWINGS.

- THE MECHANICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC AND SHOW THE RELATIONSHIP BETWEEN EQUIPMENT AND CONNECTIONS. DO NOT SCALE THE DRAWINGS FOR EXACT SIZE OR LOCATIONS. DETAILS AND ASSEMBLY DRAWINGS SHOWN ARE SPECIFIC AND SHOULD BE CLOSELY FOLLOWED. DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT OF NEW EQUIPMENT. DRAWINGS ARE NOT TO BE SCALED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL LOCATIONS, CONDITIONS AND DIMENSIONS.
- THE MECHANICAL SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, THE STANDARD BUILDING CODE, THE STANDARD MECH. CODE, STANDARD GAS CODE AND NFPA 90A ETC.
- DUCTS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". RECTANGULAR DUCT SHALL HAVE PITTSBURGH LOCK LONGITUDINAL SEAMS AND DRIVE AND SLIP TRANSVERSE JOINTS. ROUND DUCT SHALL HAVE SNAP-LOCK LONGITUDINAL SEAMS WITH CRIMPED TRANSVERSE JOINTS SECURED WITH SHEET METAL SCREWS. TAPE AND SEAL JOINTS AS REQUIRED. DUCTMATE SYSTEM MAY BE USED WHERE SPACE PERMITS.
- ALL SHEET METAL DUCTWORK SHALL BE FABRICATED FROM MIN. 26 GAUGE GALVANIZED SHEET STEEL, ASTM A-527.
- DUCT HANGERS SHALL BE IN ACCORDANCE WITH SMACNA RECOMMENDATIONS. MAXIMUM SPACING SHALL BE 8 FEET. PROVIDE SUPPORT WITHIN 2 FEET OF EACH TAKE OFF.
- ALL SUPPLY & RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED WHEN GREATER THAN 12 FEET AWAY FROM AN AIR HANDLING UNIT UNLESS OTHERWISE NOTED. INSULATE DUCT SYSTEMS WITH 1-1/2" THICK 0.75 POUND DENSITY FOIL FACED FIBERGLASS BLANKET TYPE INSULATION WITH VAPOR BARRIER ON THE OUTSIDE. INSTALL IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS FOR DUCT INSULATION APPLICATION. ALL DUCT DIMENSIONS ARE NET INSIDE DIMENSIONS. INSULATE ALL OUTSIDE AIR INTAKE DUCTWORK. GENERAL EXHAUST DUCTWORK SHALL NOT BE INSULATED. DUCTWORK IN MECHANICAL ROOM(S) SHALL BE EXTERNALLY INSULATED USING 1 INCH THICK, RIGID FIBERGLASS DUCTBOARD WITH FOIL FACING ON OUTSIDE. ALL DUCTWORK WITHIN 15 FEET OF UNIT SHALL BE INTERNALLY LINED WITH 1" DUCT LINER.
- ALL FLEXIBLE DUCTWORK SHALL BE INSULATED TYPE FOR LOW PRESSURE APPLICATIONS. FLEXIBLE DUCTWORK SHALL BE UL LISTED FOR UL181 CLASS 1 AIR DUCT MATERIAL AND SHALL COMPLY WITH NFPA STANDARDS 90A AND 90B. MAXIMUM LENGTH OF RUN SHALL BE 5'-0" AND SHALL BE INSTALLED FREE OF KINKS AND ABRUPT TURNS.
- FLEXIBLE DUCTWORK SHALL BE ATTACHED TO RECTANGULAR DUCTS USING CONICAL SPIN-IN FITTINGS OR BELL-MOUTH FITTINGS WITH ADHESIVE GASKETS. BOTH WITH DAMPERS.
- ALL ROUND DUCTWORK ELBOWS SHALL BE RADIUS TYPE WITH CENTERLINE RADIUS EQUAL TO 1.5 X W. RECTANGULAR DUCT ELBOWS SHALL BE RADIUS TYPE WHERE INSTALLATION PERMITS. SQUARE THROATED ELBOWS WITH TURNING VANES SHALL BE USED WHERE RECT. RADIUS ELBOWS CAN NOT BE INSTALLED.
- WHERE ROUND DUCTWORK IS SUBSTITUTED FOR RECTANGULAR, THE SAME CROSS-SECTIONAL AREA SHALL BE MAINTAINED.
- BRANCH CONNECTIONS OFF OF ROUND DUCT MAINS SHALL BE MADE USING A DIVERGING FLOW, CONICAL TEE OR A DIVERGING FLOW, COMBINATION TEE W/ 45° BOOT. STRAIGHT TEES WILL NOT BE ALLOWED.
- INSTALL BALANCING DAMPERS AT ALL BRANCH DUCT TAKE-OFFS AND AT DUCT RUNOUTS ON END OF RUNS.

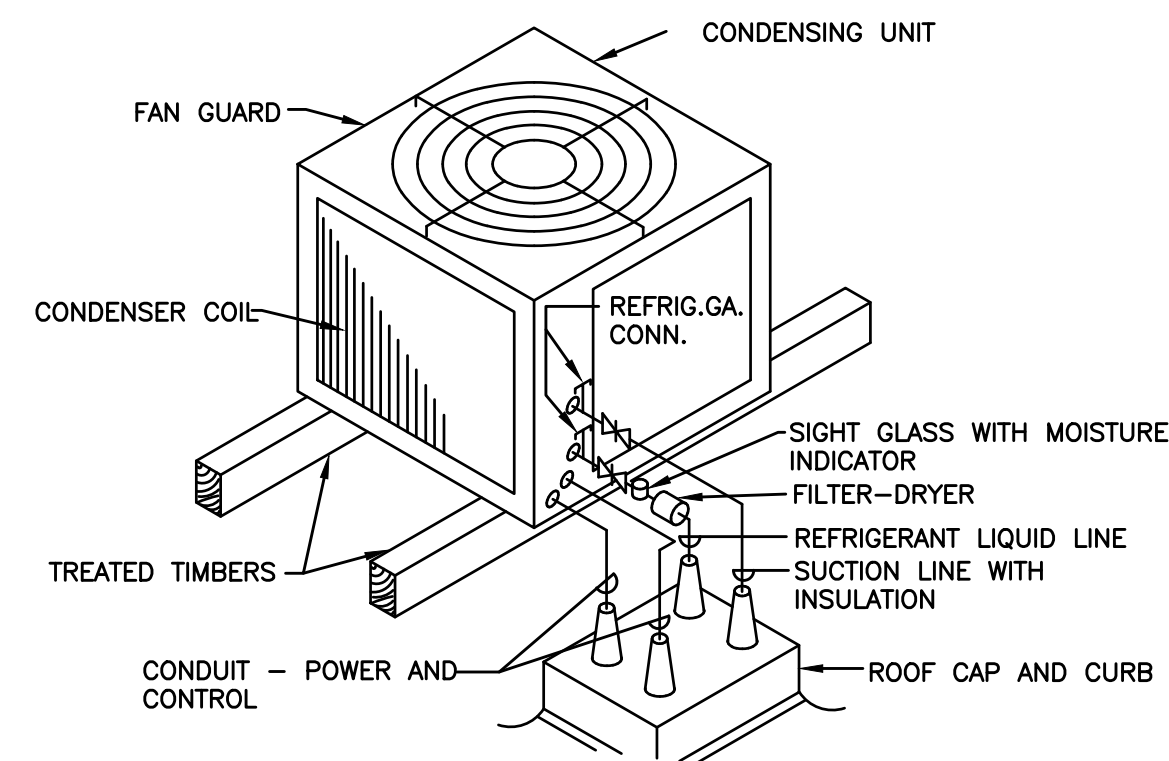
- SLEEVES SHALL BE INSTALLED WHERE DUCTS OR PIPING PENETRATE FOUNDATION WALLS, PARTITIONS, FLOORS OR ROOF. PACK AROUND SLEEVE AND SEAL WEATHER TIGHT. INSTALL FLASHING AS REQUIRED. SLEEVES SHALL BE MINIMUM 16 GA. GALV. STEEL.
- ALL CONDENSATE DRAIN LINES SHALL BE 3/4" SCHEDULE 40 PVC PIPE, TRAP AND VENT AT EQUIPMENT. ROUTE TO NEAREST FLOOR DRAIN OR ELSEWHERE AS DIRECTED. MAINTAIN A MIN. 2" AIR GAP.
- UNLESS OTHERWISE NOTED, ALL THERMOSTATS SHALL BE REMOTE TYPE AND SHALL BE WALL MOUNTED AT 4'-6" AFF FOR HANDICAP ACCESSIBILITY. (INSTALL AT 5'-4" AFF WHERE DIRECTED FOR NON-HANDICAP USE). UNLESS OTHERWISE NOTED ALL WALL THERMOSTATS SHALL BE SET AT 72°F FOR COOLING AND 75°F FOR HEATING. PROVIDE CLEAR LEXAN LOCKING COVERS WHERE INDICATED.
- CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SUGGESTIONS AND RECOMMENDATIONS. CONTROL WIRING AND CONTROL WIRING CONNECTIONS TO HVAC EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- ALL STARTERS AND DISCONNECTS FOR HVAC EQUIPMENT SHALL BE SUPPLIED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. STARTERS AND DISCONNECTS SHALL BE OF A TYPE SUITABLE FOR THE INTENDED APPLICATION. MECHANICAL CONTRACTOR TO COORDINATE WITH THE ELECTRICAL CONTRACTOR.
- THE FINAL LOCATION OF GRILLES AND DIFFUSERS SHALL BE ADJUSTED AS NECESSARY TO CLEAR THE BUILDING STRUCTURAL SYSTEM. COORDINATE LOCATION OF CEILING AIR DISTRIBUTION DEVICES WITH ARCHITECTURAL REFLECTED CEILING AND THE INSTALLED GRID SYSTEM.
- COORDINATE THE LOCATIONS OF EQUIPMENT TO PROVIDE ALL NECESSARY CLEARANCES FOR MAXIMUM PERFORMANCE AND MAINTENANCE.
- PERMANENTLY IDENTIFY ALL EQUIPMENT AND SERVICES USING STENCILS, PLASTIC MARKERS OR TAGS. IN ADDITION, ALL MAJOR PIECES OF EQUIPMENT SHALL HAVE A PERMANENTLY AFFIXED NAMEPLATE ENGRAVED OR STAMPED WITH THE FOLLOWING MINIMUM INFORMATION (AS APPLICABLE): MANUFACTURER, MODEL NO., SIZE, SERIAL NO., HEATING/COOLING CAPACITIES (BTUH), FAN CAPACITY (CFM), GAS INPUT (BTUH), VOLTAGE, AMPS AND SERVICE FACTOR. NAMEPLATE SHALL BE LOCATED IN AN EASILY ACCESSIBLE AREA ON THE EQUIPMENT AND SHALL NOT BE COVERED OR OBTURED. MANUFACTURER'S NAMEPLATE SHALL BE ACCEPTABLE PROVIDING THE ABOVE CRITERIA IS ADHERED TO.
- REFRIGERANT LIQUID AND SUCTION LINES SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH DX EQUIPMENT MANUFACTURER'S RECOMMENDATIONS, WITH ASHRAE STANDARDS AND WITH APPLICABLE DETAILS AND SPECIFICATIONS. WHERE CONDITIONS WARRANT, LENGTH OF RUN AND CHANGE IN ELEVATION SHALL BE CONSIDERATIONS IN SIZING REFRIGERANT LINES. REFRIGERANT LINES SHALL BE INSULATED USING 3/4" THICK, CLOSED CELL, ELASTOMERIC PIPE INSULATION.
- ALL RECIRCULATING AIR HANDLING SYSTEMS OF 2,000 CFM AND HIGHER SHALL HAVE A FIRESTAY AND AN APPROVED SMOKE DETECTOR INSTALLED IN RETURN AIR STREAMS PRIOR TO ANY EXHAUSTING OR MIXING WITH FRESH AIR MAKEUP. THE SENSING DEVICES SHALL AUTOMATICALLY SHUTDOWN THE SYSTEM FAN(S) IF SMOKE OR A TEMP. OF 136°F OR GREATER IS DETECTED. COORDINATE WITH ELECTRICAL SUBCONTRACTOR AND/OR FIRE ALARM EQUIP. SUPPLIER AND INSTALLER (AS APPLICABLE). FURNISHED, CONNECTED AND INSTALLED BY MECHANICAL CONTRACTOR. INSTALL PER CONTROL SUPPLIER'S RECOMMENDATIONS.
- INSTALL CONDENSATE PUMPS AND PIPING ABOVE CEILING.



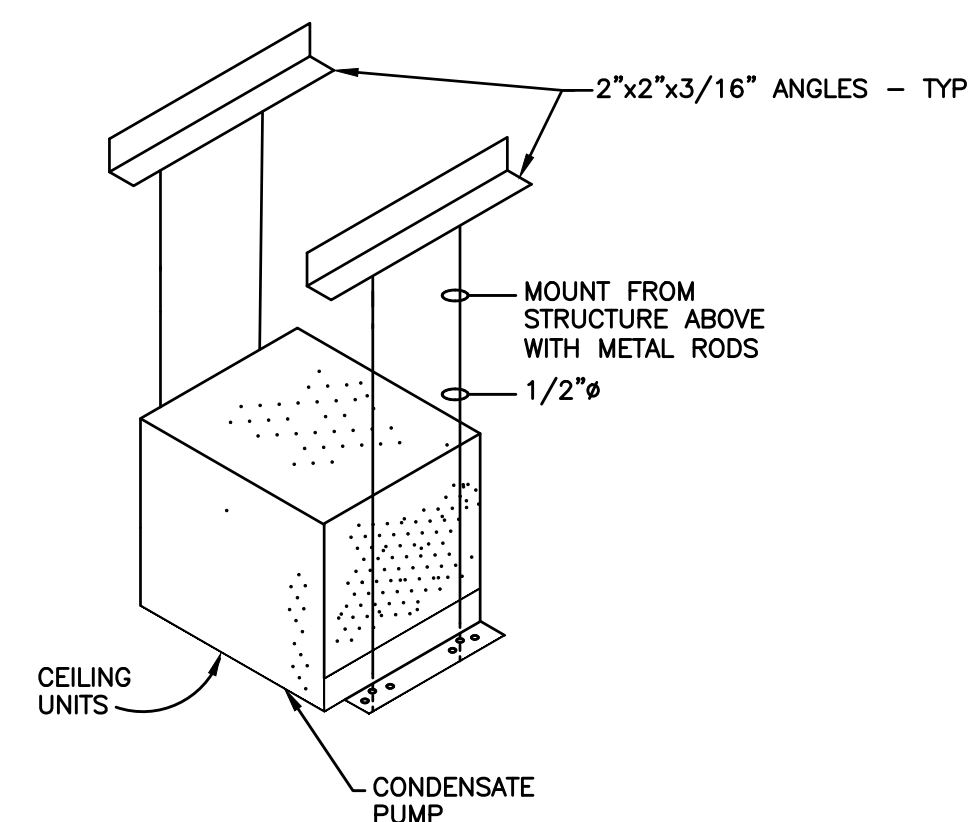
SPLIT SYSTEM HEAT PUMP SCHEMATIC - 2 UNITS
N.T.S.



SPLIT SYSTEM HEAT PUMP SCHEMATIC - 3 UNITS
N.T.S.



CONDENSING UNIT MOUNTED ON LOW SLOPE ROOF
N.T.S.



CEILING UNIT SUPPORT DETAIL
NOT TO SCALE

SPLIT/SYSTEM DUCTLESS HEAT PUMP SCHEDULE

SYMBOL	LOCATION	TOTAL CFM	O.A. CFM	EXT SP	SUPPLY FAN DATA				COOLING COIL DATA				HEATING COIL DATA	ELEC CHAR V-PH-HZ	MOCP	MCA	INDOOR MODEL	OUTDOOR COND. UNIT	REMARKS
					CFM	FAN TYPE	DRIVE	HP	TOTAL MBH	TONS	EAT °F	LAT °F	KW						
CU-1	ROOFTOP	400	50	-	-	-	-	-	-	1.0	-	-	0	208/1/60	15	-	-	M: PSUZ-A12NKA7	#1, #4, #5, #6, #8
CU-2	ROOFTOP	1200	100	-	-	-	-	-	-	2.5	-	-	0	208/1/60	50	-	-	M: MXZ-3C30NAHZ3-U1	#1, #4, #5, #6, #8
CU-3	ROOFTOP	800	75	-	-	-	-	-	-	1.5	-	-	0	208/1/60	40	-	-	M: MXZ-3C18NAHZ3-U1	#1, #4, #5, #6, #8
CS-1	PRINCIPAL OFFICE	-	-	-	-	-	-	-	-	-	-	-	0	208/1/60	0	-	M: PVA-A12AA7	-	#3, #5, #7, #8
CS-2a	OFFICE 106	-	-	-	-	-	-	-	-	-	-	-	0	208/1/60	0	-	M: SLZ-KF-9	-	#3, #5, #7, #8
CS-2b	OFFICE 104	-	-	-	-	-	-	-	-	-	-	-	0	208/1/60	0	-	M: SLZ-KF-9	-	#3, #5, #7, #8
CS-2c	OFFICE 102	-	-	-	-	-	-	-	-	-	-	-	0	208/1/60	0	-	M: SLZ-KF-9	-	#3, #5, #7, #8
CS-3a	RECEPTION 103	-	-	-	-	-	-	-	-	-	-	-	0	208/1/60	0	-	M: SLZ-KF-9	-	#3, #5, #7, #8
CS-3b	WAITING 101	-	-	-	-	-	-	-	-	-	-	-	0	208/1/60	0	-	M: SLZ-KF-12	-	#3, #5, #7, #8

- NOTES: 1. MANUAL DISCONNECT
2. PROGRAMMABLE THERMOSTAT WITH LOCKING COVER - HONEYWELL - 8000 SERIES OR EQUAL
3. SMOKE DETECTOR INTERLOCK WITH UNITS (SUPPLY AND RETURN)
4. OR APPROVED EQUAL (TRANE, McQUAY, MIT)
5. UNIT MOUNTED RETURN GRILLE.
6. EXTENDED RANGE 20' F TO 120' F.
7. THERMOSTAT : PAR-40MAU (WALL MOUNTED)
8. BACNET INTERFACE : PAC-UKPRC001-CN-1

- C - CARRIER
GE - GENERAL ELECTRIC
M - MITSUBISHI
F - FUJITSU
S - SANYO
SB - SEABREEZE

No.	Date	Description



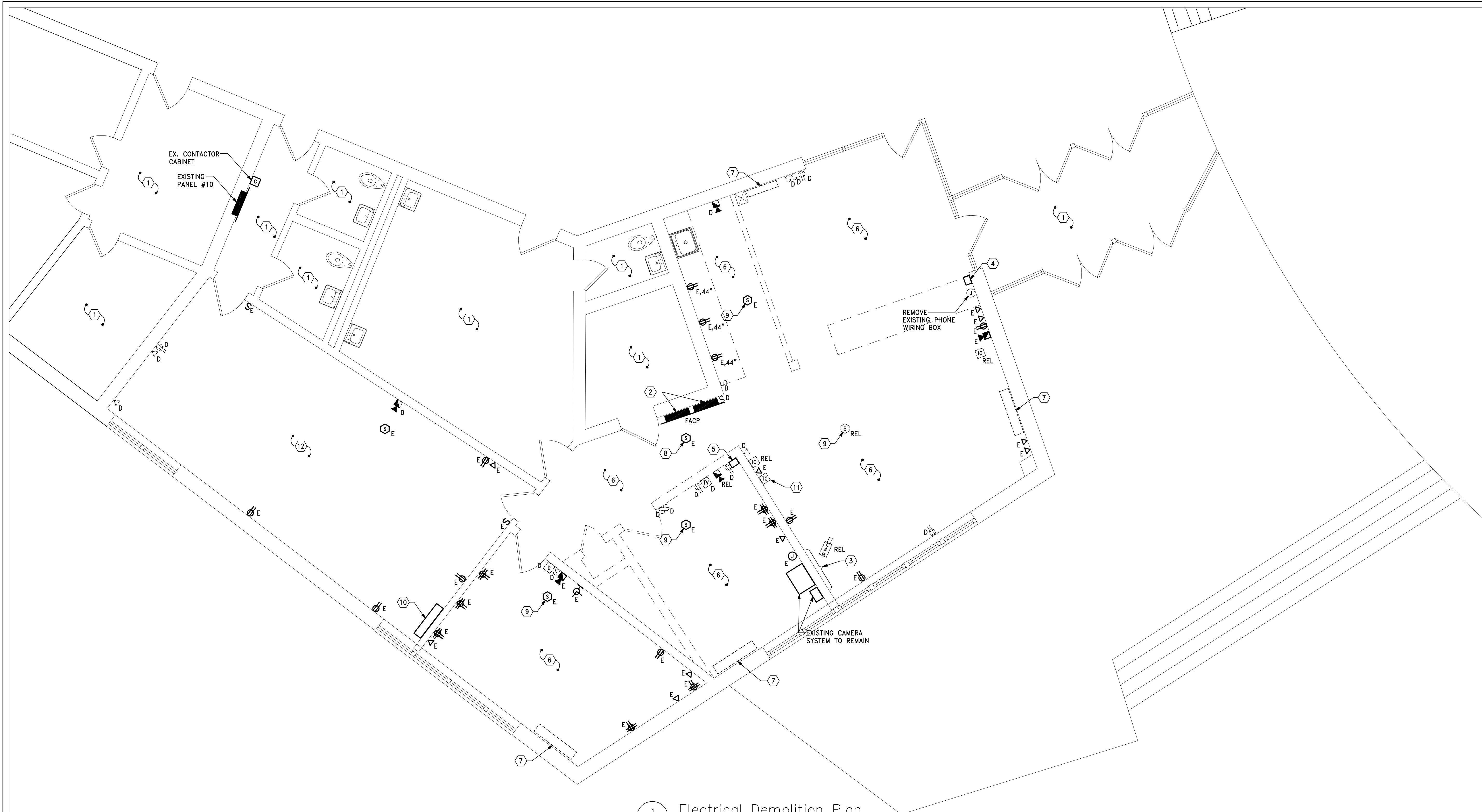
Renovations to
Greeneville Middle School
 Greeneville, Tennessee

110 S. Main Street
Greeneville, TN. 37743
Phone: (423) 525-5093
Fax: (423) 525-5095
Cell: (423) 529-2816

Drawn: g.k.Stacy
Checked: m.w.Robertson
Job No: 23-118
Scale: as noted
Date: 11-16-23
File Name: m-base-plan
Drawing Title: H.V.A.C. Notes, Schedule, & Details

Maynard W. Robertson
 Consulting Engineer
 423-470-3302
 mwreng@comcast.net

Sheet No.
M2.1



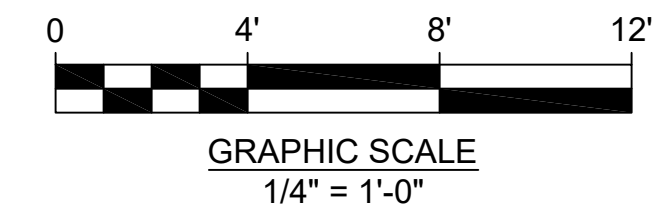
1 Electrical Demolition Plan
E1.1 Scale: 1/4"=1'-0"

GENERAL NOTES

- CONTRACTOR SHALL REMOVE ALL WIRING FROM CIRCUITS TO BE DEMOLISHED AND REMOVE ALL UNUSED EXPOSED CONDUITS.
- CONTRACTOR SHALL REMOVE ALL DEVICES SCHEDULED FOR DEMOLITION. REFEED ANY DOWN STREAM DEVICES TO REMAIN. SEE ARCHITECTURAL PLANS FOR EXTENT OF DEMOLITION.
- ALL DEVICES SHOWN ON THE DEMOLITION PLAN SHOWN DASHED OR WITH SUBSCRIPT (D) ARE SCHEDULED FOR REMOVAL AND POSSIBLE REUSE. OTHER DEVICES NOTED AS EXISTING TO REMAIN (E) SHALL REMAIN IN PLACE. DEVICES NOTED AS RELOCATED (R) ARE TO BE CAREFULLY REMOVED, STORED AND REINSTALLED WHERE SHOWN.
- CONTRACTOR SHALL TRACE ALL DEMOLISHED CIRCUITS BACK TO THE ELECTRICAL PANELS. CIRCUITS WITH ALL DEVICES DEMOLISHED SHALL BE LABELED AS SPARES, OR REUSED FOR NEW WORK.
- ANY REMOVED EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE OFFERED TO THE OWNER AS SALVAGE. IF THE OWNER DOES NOT WANT EQUIPMENT, THE CONTRACTOR SHALL RECYCLE OR DISPOSE OF IT PROPERLY.
- EXISTING CONDITIONS WERE TAKEN FROM A SITE VISIT AND MAY NOT REFLECT "AS-BUILT" CONDITIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.
- ALL ABANDONED ANALOG PHONE LINES AND ASSOCIATED EQUIPMENT SHALL BE REMOVED FROM THE AREA OF WORK.

CODED NOTES

- NO WORK IN THIS AREA.
- EXISTING FIRE LITE MS-9600UDLS FIRE ALARM CONTROL PANEL AND ACC-25/50 AUDIO COMMAND CENTER TO REMAIN.
- EXISTING BELL SYSTEM, PAGING AMPLIFIERS, CLOCK SYSTEM, ETC TO BE RELOCATED. COORDINATE NEW LOCATION WITH THE OWNER.
- EXISTING DOOR SECURITY POWER SUPPLY TO REMAIN.
- EXISTING SECURITY SYSTEM POWER SUPPLY TO BE RELOCATED.
- REMOVE EXISTING LIGHTING FROM THIS AREA AND TURN THE FIXTURES OVER TO THE OWNER.
- EXISTING HVAC UNIT AND WIRING TO BE REMOVED.
- EXISTING SMOKE DETECTOR LOCATED ABOVE THE CEILING SHALL BE RELOCATED TO THE NEW CEILING.
- EXISTING SMOKE DETECTOR TO BE RELOCATED TO THE NEW CEILING. SHIFT AS REQUIRED INTO NEW ROOM.
- EXISTING LOW VOLTAGE WIRING CABINET TO REMAIN.
- REMOVE TIMECLOCK FROM ABANDONED ENERGY MANAGEMENT SYSTEM. COORDINATE ANY REWIRING REQUIRED TO KEEP CONTACTOR CLOSED. COORDINATE WITH OWNERS REP.
- EXISTING LIGHTING TO REMAIN IN THIS AREA.

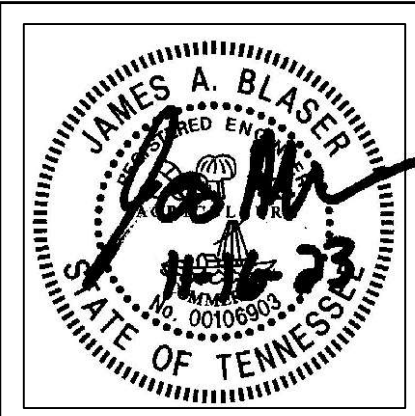


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Blaser Engineering
398 Moore Street
Bristol, VA 24201
Phone: (423) 349-8380

BLASER ENG JOB# 23-140

No.	Date	Description



Renovations to
Greenville Middle School
Greenville, Tennessee



Drawn:	J. Blaser
Checked:	J. Blaser
Job No:	23-118
Scale:	as noted
Date:	11-16-23
File Name:	23140 electrical
Drawing Title:	Demolition Plan
Sheet No.	E1.1

plotdate:11/16/2023 12:12:14 PM file:23140 ELECTRICAL.DWG



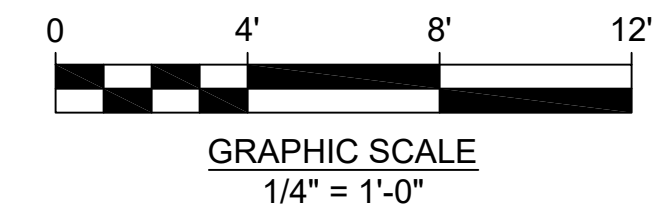
1 Lighting Plan
E2.1 Scale: 1/4"=1'-0"

GENERAL NOTES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES.
- LIGHTING CONTROL SYSTEM SHALL MATCH THE EXISTING ACUIITY BRANDS LIGHTING CONTROL SYSTEM IN THE REMAINDER OF THE BUILDING.
- PROVIDE DIMMING STATIONS AND 4 BUTTON ENTRY STATIONS WHERE SHOWN TO CONTROL THE LIGHTING CONTROL SYSTEM IN EACH AREA/ROOM.
- THE LIGHTING CONTROL SYSTEM SHALL HAVE ALL COMPONENTS NECESSARY TO MAKE THE SYSTEM OPERATIONAL. THIS INCLUDES THE OCCUPANCY SENSORS, POWER SUPPLIES, SWITCH AND DIMMING PACKS, ALL CATS CONTROL WIRING, ETC.
- ALL UNIT EQUIPMENT (EMERGENCY LIGHTING UNITS, EXIT SIGNS, AND COMBO EXIT SIGNS) SHALL HAVE THE UNSWITCHED POWER TO THE EMERGENCY BATTERY COME FROM THE SAME CIRCUIT SERVING THE NORMAL LIGHTING IN THE AREA FIXTURE PER NEC 700.12(F)(2)(3).
- ALL FIXTURES WITH EMERGENCY BATTERY BALLASTS SHALL HAVE THE UNSWITCHED POWER TO THE EMERGENCY BATTERY COME FROM THE SAME CIRCUIT AS THE SWITCHED CIRCUIT CONTROLLING THE FIXTURE.
- INTERIOR LIGHTING DENSITY CALCULATED AT 0.68 W/SQ.FT.
- PROVIDE LOW VOLTAGE WIRING BETWEEN OCCUPANCY SENSORS. CIRCUITRY FOR THE SENSORS SHALL FOLLOW THE SAME SWITCHING ZONES AS THE LIGHTING CIRCUITRY.

CODED NOTES

- NO WORK IN THIS AREA.
- PROVIDE POWER FROM EXISTING UNSWITCHED LIGHTING CIRCUIT SERVING THIS AREA/ROOM.

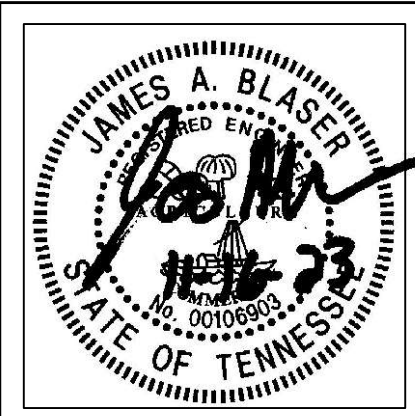


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Bristol, VA 24201
Phone: (423) 349-8380

BLASER ENG JOB# 23-140

No.	Date	Description



Renovations to
Greeneville Middle School
Greeneville, Tennessee



Drawn:	J. Blaser
Checked:	J. Blaser
Job No:	23-118
Scale:	as noted
Date:	11-16-23
File Name:	23140 electrical
Drawing Title:	Lighting Plan
Sheet No.	E2.1

plotdate:11/16/2023 12:12:15 PM file:23140 ELECTRICAL.DWG



1 Power Plan
E3.1 Scale: 1/4" = 1'-0"

GENERAL NOTES

- EMERGENCY RESPONDER RADIO COVERAGE: INCLUDE FEE FOR TESTING THE BUILDING AS PART OF THE ELECTRICAL BID AND WORST CASE SCENARIO (FULL COVERAGE) PRICING AS A SEPARATE LINE ITEM. THE PRICING WILL BE ADJUSTED AFTER THE TEST RESULTS DETERMINE THE REQUIRED EQUIPMENT.
- COORDINATE CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- ALL DEVICES SHALL BE TAMPER RESISTANT PER 406.12.
- ALL FIRE ALARM SYSTEM DEVICES SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE LITE MS-9600UDLS FIRE ALARM CONTROL PANEL AND ACC-25/50 AUDIO COMMAND CENTER.
- PROVIDE 2 - 1" CONDUIT SLEEVES ABOVE ALL DOORS TO ROOMS SHOWN WITH PHONE, DATA, TELEVISION, OR OTHER LOW VOLTAGE COMMUNICATIONS SYSTEMS.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL STRING.
- PER NEC 210.8, ALL GROUND FAULT RECEPTACLES ARE TO BE IN A READILY ACCESSIBLE LOCATION. IF NOT, PROVIDE A GROUND FAULT CIRCUIT BREAKER IN THE PANEL, OR A DEAD FRONT GROUND FAULT DEVICE IN AN ACCESSIBLE LOCATION SERVING THE INACCESSIBLE DEVICE.
- COORDINATE ACTUAL MOUNTING LOCATIONS AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH CONTRACTOR PROVIDING THE EQUIPMENT. VERIFY REQUIRED CIRCUIT SIZE WITH EQUIPMENT NAMEPLATE INFORMATION.

CODED NOTES

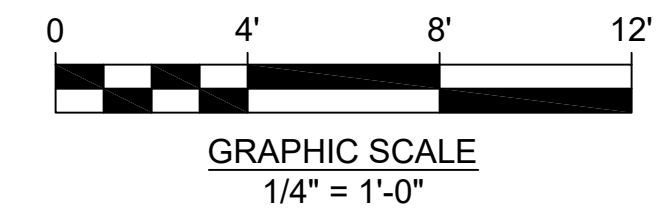
- NO WORK IN THIS AREA.
- EXISTING FIRE LITE MS-9600UDLS FIRE ALARM CONTROL PANEL AND ACC-25/50 AUDIO COMMAND CENTER TO REMAIN.
- EXISTING BELL SYSTEM, PAGING, CLOCKS, ETC TO REMAIN.
- EXISTING SMOKE DETECTOR TO BE RELOCATED TO THE NEW CEILING. SHIFT AS REQUIRED INTO NEW ROOM.
- RELOCATE EXISTING PAGING SYSTEM AMPLIFIERS INTO CABINET. COORDINATE LOCATION WITH THE OWNER. EXTEND ALL EXISTING POWER, CONTROL, AND SPEAKER CIRCUITS AS NECESSARY.
- PROVIDE POWER FROM NEAREST 120/208 VOLT PANEL WITH AVAILABLE SPACE. PROVIDE 20/1 CIRCUIT BREAKER AND BRANCH CIRCUIT CONSISTING OF 2 - #12 WITH #12 GROUND IN 3/4" CONDUIT.
- RELOCATE EXISTING CLOCK SYSTEM AND BELL CONTROLS TO THE CORRIDOR. EXTEND ALL EXISTING POWER AND CONTROL CIRCUITS AS NECESSARY.
- EXISTING DOOR SECURITY POWER SUPPLY.
- PROVIDE AVIGILON CARD ACCESS READER AND ELECTRIC STRIKE. PROVIDE POWER CONNECTION TO DOOR SECURITY POWER SUPPLY. POWER SUPPLY SHALL INTERFACE WITH THE FIRE ALARM SYSTEM TO RELEASE THE DOOR UPON A FIRE ALARM. PROVIDE 3/4" CONDUIT AND WIRING FROM POWER SUPPLY THE CARD READER AND DOOR STRIKE.
- EXTEND 120V POWER FROM EXISTING DOOR POWER SUPPLY TO NEW DOOR POWER SUPPLIES.
- RELOCATE EXISTING SECURITY SYSTEM POWER SUPPLY TO ABOVE THE LAY-IN CEILING. EXTEND ALL WIRING AS NECESSARY.

GENERAL NOTES

- PROVIDE FINAL CONNECTIONS TO ALL EQUIPMENT SUPPLIED BY OTHERS.
- PROVIDE NEMA 3R RATED SAFETY SWITCHES WHERE LOCATED OUTDOORS.
- PROVIDE MATCHING PLUG, PIGTAIL, AND CONNECTIONS TO EQUIPMENT FOR ALL SPECIAL PURPOSE RECEPTACLES.
- COORDINATE RECEPTACLE PLACEMENT WITH ARCHITECTURAL SECTIONS AND ELEVATIONS.
- PROVIDE CIRCUIT BREAKERS AS REQUIRED IN EXISTING ELECTRICAL PANELS FOR NEW WORK.
- CONTRACTOR SHALL VERIFY THAT NO MODIFIED CIRCUIT CARRIES MORE THAN 80% OF THE CIRCUIT BREAKER NAMEPLATE RATING.
- COORDINATE ELECTRICAL WORK IN EXISTING PANEL #10 WITH THE OWNERS REPRESENTATIVE. SOME OF THE EXISTING CIRCUITS THAT APPEAR TO BE IN USE ARE SPARES.

CODED NOTES

- RELOCATED EXISTING WALL MOUNTED INTERCOM. EXTEND WIRING AS NECESSARY.
- RELOCATED EXISTING DESK MOUNTED INTERCOM. EXTEND WIRING AS NECESSARY.
- PROVIDE 2 DOOR RELEASE PUSHBUTTONS AT EACH RECEPTION DESK CONNECTED TO THE DOOR/ELECTRIC STRIKE. WIRE INTO DOOR SECURITY SYSTEM.
- INDOOR UNIT IS POWERED FROM THE OUTDOOR UNIT. PROVIDE LOCAL DISCONNECTING MEANS AT THE INDOOR UNIT, AND INTERCONNECTING WIRING TO THE OUTDOOR UNIT. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER.
- PROVIDE POWER NEAREST 120/208 VOLT PANEL WITH AVAILABLE SPACE. PROVIDE 50/2 CIRCUIT BREAKER AND BRANCH CIRCUIT CONSISTING OF 2 - #6 WITH #10 GROUND IN 3/4" CONDUIT.
- PROVIDE POWER NEAREST 120/208 VOLT PANEL WITH AVAILABLE SPACE. PROVIDE 50/2 CIRCUIT BREAKER AND BRANCH CIRCUIT CONSISTING OF 2 - #6 WITH #10 GROUND IN 3/4" CONDUIT.
- PROVIDE POWER FROM EXISTING REFRIGERATOR AND ICE MACHINE CIRCUITS. EXISTING RECEPTACLE LOCATIONS SHALL BE RECIRCUITED TO A GENERAL RECEPTACLE CIRCUIT.
- PROVIDE POWER NEAREST 120/208 VOLT PANEL WITH AVAILABLE SPACE. PROVIDE 40/2 CIRCUIT BREAKER AND BRANCH CIRCUIT CONSISTING OF 2 - #8 WITH #10 GROUND IN 3/4" CONDUIT.

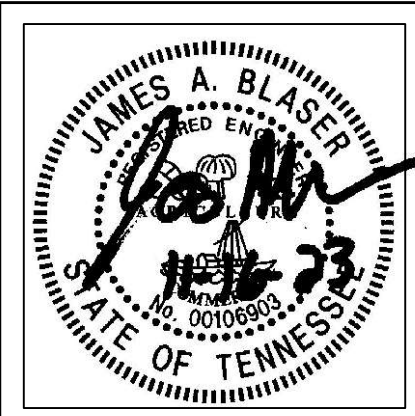


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Blaser Engineering
398 Moore Street
Bristol, VA 24201
Phone: (423) 349-8380

BLASER ENG JOB# 23-140

No.	Date	Description



Renovations to
Greenville Middle School
Greenville, Tennessee

a.dave.wright
architect
110 S. Main Street
Greenville, TN 37743
Phone: (423) 525-5093
Fax: (423) 525-5095
Cell: (423) 329-2876

Drawn:	J. Blaser
Checked:	J. Blaser
Job No:	23-118
Scale:	as noted
Date:	11-16-23
File Name:	23140 electrical
Drawing Title:	Power Plan
Sheet No.	E3.1

plotdate:11/16/2023 12:12:15 PM file:23140 ELECTRICAL.DWG

SYMBOLS LIST FOR PLANS

- SOME SYMBOLS MAY NOT BE USED.
- MOUNTING HEIGHTS ARE TO TOP.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT UNLESS NOTED OTHERWISE
	LIGHTING FIXTURE: TYPE "R1"; SEE LIGHTING FIXTURE SCHEDULE	----
	EMERGENCY LIGHTING UNIT; TYPE "W2" SEE LIGHTING FIXTURE SCHEDULE	84"
	EXIT SIGN/EMERGENCY LIGHT COMBINATION UNIT; TYPE "X3" SEE LIGHTING FIXTURE SCHEDULE	96"
	SINGLE POLE SWITCH	48"
	DIMMING-ON/OFF ENTRY STATION, LOW VOLTAGE CONTROL, AND COMPATIBLE WITH CEILING OCCUPANCY SENSOR	48"
	OCCUPANCY SENSOR WITH DIMMING, WALL MOUNTED	48"
	OCCUPANCY SENSOR, WALL MOUNTED WHERE SHOWN ON WALL ADJACENT TO DOOR, OTHERWISE CEILING MOUNTED	48"
	SWITCH PACK COMPATIBLE WITH CEILING OCCUPANCY SENSORS	----
	DIMMING MODULE COMPATIBLE WITH CEILING OCCUPANCY SENSORS	----
	DUPLEX RECEPTACLE	20"
	QUADPLEX (DOUBLE DUPLEX) RECEPTACLE	20"
	"WR" RATED DUPLEX RECEPTACLE, WEATHERPROOF IN USE COVER AND GROUND FAULT INTERRUPTER	20"
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER	20"
	DUPLEX RECEPTACLE, EXISTING TO REMAIN	----
	DUPLEX RECEPTACLE, TO BE RELOCATED AS NOTED EXTEND EXISTING CIRCUIT TO NEW DEVICE LOCATION	20"
	VOICE/DATA OUTLET ROUGH-IN, WALL MOUNTED; RECESSED IN FLOOR WITH FLUSH MOUNTED BRASS COVER	20"
	JUNCTION BOX, CEILING OR WALL MOUNTED; RECESSED FLOOR MOUNTED	SEE DRAWINGS
	JUNCTION BOX AND TOGGLE TYPE SAFETY SWITCH	----
	SAFETY SWITCH (SWITCH SIZE, FUSE SIZE, NO. OF POLES -AS NOTED) "NF" DENOTES NONFUSED. PROVIDE 3R ENCLOSURES WHERE LOCATED OUTDOORS. PROVIDE FINAL CONNECTIONS TO EQUIPMENT.	60"
	PANELBOARD: SURFACE MOUNTED, FLUSH MOUNTED PANEL DESIGNATION AS SHOWN	72"
	CONDUIT, RISER UP	----
	CONDUIT, RISER DOWN	----
	LOW VOLTAGE WIRING IN CONDUIT	----
	CONDUIT ROUTED UNDER FLOORSPACE OR UNDERGROUND	----
	HOME RUN TO PANELBOARD AS NOTED; CIRCUITS MAY SHARE CONDUITS BACK TO PANELBOARD WHERE ALLOWED BY THE NEC. ALL CIRCUITS SHALL HAVE DEDICATED NEUTRALS. CROSS LINES INDICATE THE NUMBER OF CONDUCTORS WHERE MORE THAN 2 PLUS THE GROUND.	----
	FLEXIBLE METAL CONDUIT OR LIQUID-TIGHT FLEXIBLE METAL CONDUIT	----
	FIRE ALARM CONTROL PANEL: SURFACE MOUNTED, FLUSH MOUNTED	72"
	FIRE ALARM DUAL ACTION MANUAL PULL STATION, PUSH IN THEN PULL DOWN	48"
	FIRE ALARM VISUAL DEVICE	84"
	COMBINATION FIRE ALARM AUDIBLE AND VISUAL DEVICE	84"
	CEILING MOUNTED FIRE ALARM SMOKE DETECTOR; HEAT DETECTOR	----
	TELEVISION VIDEO OUTLET	20"
	INTERCOM STATION ROUGH IN	48"
	SECURITY SYSTEM CAMERA ROUGH IN	----
	CARD READER / KEY FOB SCANNER; PROVIDE WITH ALL ACCESSORIES AS REQUIRED.	48"

SYMBOLS LIST NOTES:
1. STRAIGHT LINES BETWEEN DEVICES INDICATE SWITCHED CIRCUIT.

LIGHTING FIXTURE SCHEDULE

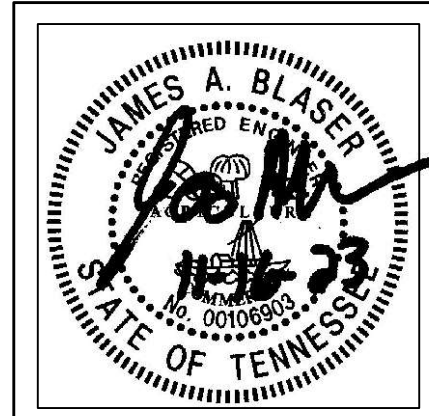
NOTES: FIXTURE NUMBER, LETTER PREFIX INDICATES TYPE OF MOUNTING AS FOLLOWS:
C-CEILING MOUNTED; S-SUSPENDED; W-WALL MOUNTED; R-CEILING RECESSED; WR-WALL RECESSED; CV-COVE MOUNTED;
U-UNDERCABINET; P-POST; G-GROUND MOUNTED; X-UNIVERSAL MOUNTED; T-TRACK.

ALL FIXTURES SHALL BE 80 CRI MINIMUM, UNLESS NOTED OTHERWISE
PARTIAL MODEL NUMBERS MAY BE SHOWN AND ARE INTENDED TO INDICATE ACCEPTABLE MANUFACTURER'S PRODUCT LINE.
EXACT MODEL NUMBERS MEETING THE FIXTURE DESCRIPTION SHALL BE OBTAINED FROM MANUFACTURER'S AGENT.
ALL FIXTURES MAY NOT BE USED. REFER TO PLANS FOR FIXTURE QUANTITIES.
FIXTURE DIMENSIONS MAY VARY BETWEEN MANUFACTURERS.
REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

BE-JOB # 23-140

FIXTURE NUMBER	FIXTURE DESCRIPTION	FIXTURE VOLTAGE	LAMP TYPE	APPROVED MANUFACTURERS
R1	2X4 LOW PROFILE LED FLAT PANEL, ALUMINUM FRAME, SATIN WHITE LENS, GRID CLIPS, SWITCHABLE LUMEN OUTPUT SET AT 6050 LUMENS(HIGH), 3500K, 80 CRI LED SOURCE, L70/60,000 HOUR LUMEN MAINTENANCE FACTOR, 10% DIMMING WITH 0-10V CONTROLS, 5 YEAR WARRANTY, UL LISTING. FIXTURE: 51 WATTS, 6050 LUMENS	MVOLT	LED W/FIXTURE	LITHONIA CPX-2X4-AL08-SWW7-M2 SERIES COLUMBIA CBT24 SERIES OR EQUAL
R2	2X4 LOW PROFILE LED FLAT PANEL, ALUMINUM FRAME, SATIN WHITE LENS, GRID CLIPS, SWITCHABLE LUMEN OUTPUT SET AT 4679 LUMENS(MEDIUM), 3500K, 80 CRI LED SOURCE, L70/60,000 HOUR LUMEN MAINTENANCE FACTOR, 10% DIMMING WITH 0-10V CONTROLS, 5 YEAR WARRANTY, UL LISTING. FIXTURE: 37 WATTS, 4679 LUMENS	MVOLT	LED W/FIXTURE	LITHONIA CPX-2X4-AL08-SWW7-M2 SERIES COLUMBIA CBT24 SERIES OR EQUAL
R3	2X4 LOW PROFILE LED FLAT PANEL, ALUMINUM FRAME, SATIN WHITE LENS, GRID CLIPS, SWITCHABLE LUMEN OUTPUT SET AT 3813 LUMENS(LOW), 3500K, 80 CRI LED SOURCE, L70/60,000 HOUR LUMEN MAINTENANCE FACTOR, 10% DIMMING WITH 0-10V CONTROLS, 5 YEAR WARRANTY, UL LISTING. FIXTURE: 29 WATTS, 3813 LUMENS	MVOLT	LED W/FIXTURE	LITHONIA CPX-2X4-AL08-SWW7-M2 SERIES COLUMBIA CBT24 SERIES OR EQUAL
R4	2X2 LOW PROFILE LED FLAT PANEL, ALUMINUM FRAME, SATIN WHITE LENS, GRID CLIPS, SWITCHABLE LUMEN OUTPUT SET AT 4131 LUMENS(HIGH), 3500K, 80 CRI LED SOURCE, L70/60,000 HOUR LUMEN MAINTENANCE FACTOR, 10% DIMMING WITH 0-10V CONTROLS, 5 YEAR WARRANTY, UL LISTING. FIXTURE: 37 WATTS, 4131 LUMENS	MVOLT	LED W/FIXTURE	LITHONIA CPX-2X2-AL07-SWW7-M4 SERIES COLUMBIA CBT22 SERIES OR EQUAL
X5	19" x 8" x 2", UNIVERSAL MOUNTED EXIT SIGN / EMERGENCY EGRESS COMBO UNIT, SINGLE FACE L.E.D. EXIT SIGN, WHITE THERMOPLASTIC HOUSING, RED LETTERS, DIRECTIONAL ARROWS, 2-1.5 WATT LED HEADS, DUAL VOLTAGE, 90 MIN SEALED UNIT POWER SUPPLY FIXTURE: 4.3 WATTS	MVOLT	W/FIXTURE	LITHONIA LHQM-LED-R OR EQUAL
W6	5" x 3" x 8", 2 HEAD, WALL MOUNTED EMERGENCY EGRESS FIXTURE, TWO ADJUSTABLE 0.75 WATT/75 LUMEN LED HEADS, THERMOPLASTIC HOUSING, TEST SWITCH LED, DUAL VOLTAGE, 90 MINUTE SEALED UNIT POWER SUPPLY FIXTURE: 0.33 WATTS	MVOLT	W/FIXTURE	LITHONIA EU2L COMPASS CU2 OR EQUAL

Revisions	Description	Date	No.



Renovations to
Greenville Middle School
Greenville, Tennessee

a. dave wright
architect

110 S. Main Street
Greenville, TN. 37743

Phone: (423) 525-5093
Fax: (423) 525-5095
Cell: (423) 329-2876

Drawn:	J. Blaser
Checked:	J. Blaser
Job No:	23-118
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Blaser Engineering
398 Moore Street
Bristol, VA 24201
Phone: (423) 349-8380

BLASER ENG JOB# 23-140

DIVISION 26 - ELECTRICAL

SECTION 26 00 05 ELECTRICAL GENERAL PROVISIONS

1. REFERENCE
 - A. REFER TO INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SPECIAL CONDITIONS, DIVISION 1 - GENERAL REQUIREMENTS, FOR SPECIFIC REQUIREMENTS, RESPONSIBILITIES AND METHODS RELATING TO ELECTRICAL WORK.
2. DESCRIPTION
 - A. FURNISH ALL MATERIALS, LABOR, TOOLS AND EQUIPMENT TO COMPLETE AND LEAVE READY FOR OPERATION ALL ELECTRICAL SYSTEMS AS CALLED FOR IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS AND ANY AND ALL DETAILS ESSENTIAL TO COMPLETE THE WORK.
3. QUALITY
 - A. CONTRACTOR SHALL PROVIDE WORK OF HIGHEST QUALITY, CONFORMING TO THE ACCEPTED PRACTICES AND STANDARDS OF THE TRADES INVOLVED. FURTHER DEFINITION OF QUALITY IS GIVEN BY VARIOUS LAWS, CODES, STANDARDS AND REGULATIONS.
4. CODES
 - A. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
 - B. ALL EQUIPMENT SHALL BE PROPERLY RATED FOR THE SEISMIC ACTIVITY ZONE FOR WHICH IT IS INSTALLED.
5. CONTRACT DRAWINGS
 - A. DRAWINGS ARE SCHEMATIC AND SHOW APPROXIMATE LOCATIONS AND EXTENT OF WORK. EXACT LOCATIONS MUST BE COORDINATED WITH OTHER TRADES AND VERIFIED IN THE FIELD. THE RIGHT IS RESERVED TO RELOCATE ANY ELEMENT UP TO TEN (10) FEET AT NO INCREASE IN COST PROVIDED THE CONTRACTOR IS NOTIFIED BEFORE COMMENCEMENT OF WORK.
6. PERMITS, FEES AND NOTICES
 - A. UNLESS OTHERWISE EXCLUDED IN THE CONTRACT DOCUMENTS, EACH CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF HIS WORK.
7. GUARANTEE
 - A. CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
8. EXAMINATION OF SITE
 - A. CONTRACTOR SHOULD VISIT THE SITE OF THE PROPOSED PROJECT. CERTAIN EXISTING CONDITIONS MAY AFFECT THE MANNER OR SEQUENCE OF THE PERFORMANCE OF THE WORK.
9. RECORD DRAWINGS
 - A. CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, ONE COPY OF THE DRAWINGS WHICH SHALL BE USED EXCLUSIVELY FOR RECORDING ANY INSTALLATION DEVIATION FROM THE CONTRACT DRAWINGS. SUBMIT DRAWINGS TO ARCHITECT UPON COMPLETION OF PROJECT.
10. CUTTING AND PATCHING
 - A. EACH CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING REQUIRED FOR HIS OWN WORK. WORK MUST BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER, ACCEPTABLE TO THE ARCHITECT. PATCH TO MATCH ADJACENT SURFACE CONSTRUCTION.
11. TESTS
 - A. THE CONTRACTOR SHALL BEAR ALL COSTS OF SUCH INSPECTIONS, TESTS OR APPROVALS, AS REQUIRED BY LOCAL AUTHORITIES.
12. SUBMITTALS
 - A. MATERIALS AND EQUIPMENT INSTALLED IN THIS WORK SHALL MEET ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND NO MATERIALS OR EQUIPMENT SHALL BE ORDERED UNTIL SUBMITTALS ARE REVIEWED AND APPROVED BY THE ARCHITECT OR ENGINEER.
 - B. REQUIRED SUBMITTALS INCLUDE:
 - 1) WIRING DEVICES AND PLATES
 - 2) LIGHTING FIXTURES
 - 3) LIGHTING CONTROLS & OCCUPANCY SENSORS
 - 4) SAFETY SWITCHES
 - 5) SURGE SUPPRESSION DEVICE (SPD)
 - 6) FIRE ALARM SYSTEM DEVICES

SECTION 26 05 19 CONDUCTORS AND CONNECTORS

1. FURNISH AND INSTALL ALL ELECTRICAL CONDUCTORS FOR FEEDERS, BRANCH CIRCUIT WIRING, AND SYSTEM WIRING.
2. ALL WIRE SHALL BE UL LISTED COPPER, 600 VOLT RATED.
3. ALL WIRE SHALL BE STRANDED IN SIZES #8 AND LARGER.
4. WIRE SHALL BE TYPE THHN/THWN.
5. MINIMUM WIRE SIZE SHALL BE NO. 12 AWG.
6. ALL 120 VOLT CIRCUITS OVER 75 FEET IN LENGTH SHALL HAVE ALL OF THE CONDUCTORS UPSIZED ONE WIRE SIZE. (I.E. ALL #12 AWG WILL BECOME #10 AWG)
7. ALL CONDUCTORS ARE TO BE IDENTIFIED, BRANCH CIRCUITS AND FEEDERS BY COLOR CODING AS FOLLOWS:

120/208V
PHASE A - BLACK
PHASE B - RED
PHASE C - BLUE
NEUTRAL - WHITE
GROUND - GREEN
8. THE COLOR CODING ON #6 AND SMALLER CONDUCTORS SHALL BE CONTINUOUS IN LENGTH. NO TAPING, PAINTING OR OTHER MEANS OF CODING WILL BE ACCEPTABLE. THE COLOR CODING ON #4 AND LARGER CONDUCTORS SHALL BE IN THE FORM OF COLORED TAPE VISIBLE AT EACH POINT OF ACCESS OR VIEW. COLOR CODING SHALL CONFORM TO THE REQUIREMENTS OF NEC ARTICLE 200.6.
9. FOR #10 AND SMALLER BRANCH CIRCUIT AND FIXTURE CONDUCTOR SPLICES, USE "LIVE SPRING", PRESSURE CABLE CONNECTORS LISTED FOR 600 VOLT (1000 VOLT WHEN ENCLOSED IN FIXTURE OR SIGN).
10. FOR TERMINAL CONNECTIONS ON COPPER, NO. 8 OR LARGER, OR WHERE MULTIPLE CONNECTIONS ARE MADE TO ONE TERMINAL, USE SOLDERLESS LUGS, MECHANICAL TYPE AS NECESSARY.
11. FOR SPLICES ON CONDUCTORS LARGER THAN #10, COMPRESSION TYPE BARREL SPLICES SHALL BE USED.

SECTION 26 05 26 GROUNDING

1. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
2. METAL ENCLOSURES, CABLE TRAYS, OR RACEWAYS FOR CONDUCTORS OR EQUIPMENT SHALL BE GROUNDED.
3. EXPOSED NONCURRENT-CARRYING METAL PARTS OF FIXED EQUIPMENT LIKELY TO BECOME ENERGIZED SHALL BE GROUNDED.
4. BONDING SHALL BE PROVIDED AND CONFORM TO ALL REQUIREMENTS OF NEC ARTICLE 250 PART V.
5. ALL RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR.

SECTION 26 05 33 PANELBOARDS, WIRING DEVICES, AND PLATES

1. THE FOLLOWING ARE THE ONLY APPROVED MANUFACTURERS FOR SAFETY SWITCHES:
 - A. SQUARE D
 - B. SIEMENS
 - C. EATON
 - D. ABB/GENERAL ELECTRIC
2. PANELBOARDS:
 - A. PROVIDE UPDATED PANEL DIRECTORY CARDS REFLECTING THE CHANGES MADE IN THESE DOCUMENTS.
 - B. PROVIDE FILLER PLATES ON ALL UNUSED CIRCUIT BREAKER SPACES WITH EXPOSED BUSS IN THE PANEL IN THE ARE OF WORK.
3. WIRING DEVICE:
 - A. DEVICES SHALL BE "SPECIFICATION" GRADE AND TAMPER RESISTANT.
 - B. RECEPTACLES SHALL BE 20 AMP; HAVE GROUNDING TERMINAL AND SHALL BE "SELF-GROUNDING".
 - C. DEVICES AND PLATE COLOR SHALL MATCH EXISTING DEVICES, OR AS SELECTED BY THE ARCHITECT.
 - D. DEVICES ON OPPOSITE SIDES OF A RATED PARTITION SHALL BE SEPARATED BY A MINIMUM OF 24".
 - E. PROVIDE FIRE RATED MOLDBLE PUTTY PADS ON THE ELECTRICAL BOXES LOCATED IN A RATED PARTITION.
 - F. ALL UNUSED OUTLET BOXES SHALL HAVE BLANK COVER PLATES INSTALLED.
4. SAFETY SWITCHES:
 - A. SHALL BE OF FUSIBLE AND OF HEAVY DUTY CONSTRUCTION.
 - B. PROVIDE NEMA 3R RATED SWITCHES OUTDOORS.
 - C. PROVIDE FUSING AS SHOWN ON THE EQUIPMENT NAMEPLATE.
5. SURFACE RACEWAY:
 - A. PROVIDE SURFACE METAL RACEWAY WHERE CONCEALED CONDUIT INSTALLATION IS NOT POSSIBLE IN FINISHED SPACES. ALL LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
 - B. USE JUNCTION BOX AT CONDUIT CONNECTION WITH SUITABLE COVERS, ELBOWS, SPECIAL FITTINGS, ETC. AS REQUIRED OR SHOWN.
 - C. RACEWAYS SHALL BE SURFACE-MOUNTED, COLD ROLLED, GALVANIZED STEEL WITH A BASE THICKNESS OF 0.05" AND A COVER THICKNESS OF 0.05". OUTSIDE SURFACES OF BASE AND COVER SHALL MATCH WALL COLOR.
 - D. PROVIDE ALL NECESSARY FITTINGS AS REQUIRED FOR A COMPLETE INSTALLATION.

SECTION 26 05 33.13 RACEWAYS, FITTINGS, AND SUPPORTS

1. ALL CONDUCTORS SHALL BE ENCLOSED IN A CONTINUOUS GROUNDED RACEWAY SYSTEM.
2. ALL CONDUITS SHALL BE RUN WITH-IN THE WALL CAVITY. AREAS WHERE CONCEALED CONDUITS ARE NOT POSSIBLE SHALL BE APPROVED BY THE ARCHITECT PRIOR TO ANY WORK PROCEEDING.
3. ALL CONDUITS SHALL BE RIGID HEAVY WALL GALVANIZED STEEL, UNLESS NOTED BELOW, MINIMUM 3/4 INCH TRADE SIZE.
4. EMT MAY BE USED AS FOLLOWS:
 - A. IN INTERIOR PARTITIONS INSIDE BUILDING
 - B. ABOVE SUSPENDED CEILINGS INSIDE BUILDING
 - C. EXPOSED ABOVE 9 FOOT A.F.F. INSIDE BUILDING (EXCEPT HAZARDOUS LOCATIONS) IN UNFINISHED AREAS.
5. INTERMEDIATE GALVANIZED STEEL CONDUIT MAY BE USED IN LIEU OF RIGID STEEL CONDUIT WITHIN THE BUILDING INTERIOR.
6. MC CABLE MAY BE USED AS FOLLOWS:
 - A. TYPE "MC" CABLE MAY BE USED FOR CONCEALED BRANCH CIRCUIT WIRING IN DRY LOCATIONS (IN WALLS OR ABOVE CEILINGS) BETWEEN LIGHTING FIXTURES, OR POWER OUTLETS. HOMERUNS, MULTI-WIRE BRANCH CIRCUITS, AND CIRCUIT RUNS WITH - MULTIPLE CIRCUITS SHALL OCCUR IN CONDUIT. CONVERSION FROM "MC" CABLE TO CONDUIT SHALL OCCUR WITHIN 10 FEET OF FIRST UTILIZATION DEVICE CONNECTION TO CIRCUIT.
 - B. THREE CONDUCTOR, THHN/THWN INSULATED, ALUMINUM OR GALVANIZED STEEL INTERLOCKED ARMOR TYPE MC POWER CABLE FOR USE IN CIRCUITS NOT EXCEEDING 600 VOLTS PHASE TO PHASE AT CONDUCTOR TEMPERATURES OF 90°C IN DRY LOCATIONS FOR NORMAL OPERATION.
 - C. CABLE ASSEMBLY SHALL INCLUDE FULL-SIZE GROUNDING CONDUCTOR, AND FULL-SIZE ISOLATED GROUNDING CONDUCTOR (IF APPLICABLE), WITH SUITABLE FILLERS AND BINDER TAPE WITH ANTI-SHORT BUSHINGS.
 - D. TYPE "MC" CABLE SHALL BE OF THE SINGLE CIRCUIT TYPE ONLY.
7. FLEXIBLE STEEL CONDUIT (UP TO THREE FEET IN LENGTH) SHALL BE USED FOR CONNECTIONS TO MOTORS, VIBRATING EQUIPMENT, AND CONNECTIONS FOR WHICH RIGID, IMC, OR EMT CONDUIT IS NOT APPLICABLE. FLEXIBLE STEEL CONDUIT UP TO SIX FEET IN LENGTH SHALL BE USED FOR CONNECTIONS TO LIGHTING FIXTURES. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED IN EACH FLEXIBLE CONDUIT. ALL RUNS SHALL BE TERMINATED IN INSULATED FLEXIBLE CONDUIT FITTINGS. MINIMUM SIZE TO BE 1/2 INCH.
8. LIQUID TIGHT FLEXIBLE STEEL CONDUIT (UP TO THREE FEET IN LENGTH) AND APPROPRIATE FITTINGS SHALL BE USED FOR CONNECTIONS TO MOTORS AND VIBRATING EQUIPMENT IN AREAS EXPOSED TO THE WEATHER OR LIKELY TO BECOME DAMP.
9. PVC CONDUIT MAY ONLY BE USED UNDERGROUND OUTSIDE THE BUILDING OR UNDER CONCRETE SLABS ON GRADE WITHIN THE BUILDING. CONDUITS AND ELBOWS TURNING UP INTO THE BUILDING SPACE SHALL BE RIGID STEEL.

10. FLEXIBLE CONDUIT OR TYPE MC CABLE MAY BE USED TO CONNECT OUTLETS INSTALLED WITHIN BUILT UP CASEWORK.
11. CONDUITS LARGER THAN ONE INCH SHALL HAVE GROUNDING TYPE BUSHINGS.
12. ALL CONDUIT AND EMT FITTINGS SHALL BE DIE CAST ZINC OR GALVANIZED STEEL. CONNECTORS AND COUPLINGS SHALL BE THREADED, COMPRESSION OR SETSCREW TYPE. CONDUIT BODIES SHALL BE MALLEABLE IRON, THREADED FOR HEAVYWALL CONDUIT AND COMPRESSION OR SETSCREW TYPE FOR EMT, WITH CADMIUM FINISH AND CADMIUM PLATED SHEET STEEL COVERS. PROVIDE NEOPRENE COVER GASKETS FOR CONDUIT BODY COVERS EXPOSED TO THE WEATHER.
13. OUTLETS, JUNCTION, PULL BOXES, ETC. WHEN OVERHEAD SHALL BE INDEPENDENTLY SUPPORTED AND SHALL NOT DEPEND UPON CONDUIT FOR SUPPORT. WHERE RUN IS NOT SUPPORTED BY SLABS, WALLS, ETC., USE GALVANIZED PIPE STRAPS, TRAPEZE HANGERS, BEAM CLAMPS, CHANNEL AND FITTINGS, ETC. SUPPORT WITHIN 3' OF EACH OUTLET BOX, JUNCTION BOX, CABINET OR FITTING. SUPPORT AT LEAST EVERY 10 FEET.

SECTION 26 09 43 LIGHTING CONTROLS

1. THE LIGHTING CONTROL SYSTEM SHALL HAVE ALL COMPONENTS NECESSARY TO MAKE THE SYSTEM OPERATIONAL. THIS INCLUDES THE CONTROLLER, OCCUPANCY SENSORS, RELAY/DIMMING CONTROL PACK, DIMMING/ENTRY STATIONS, POWER SUPPLIES, ALL CONTROL WIRING, ETC.
2. PART NUMBERS:
 - 2.1. POWER/RELAY PACK WITH 0-10V DIMMING CONTROL, nLIGHT nPP16 SERIES OR EQUAL.
 - 2.2. POWER/RELAY PACK WITH 120 VOLT LINE/PHASE DIMMING CONTROL, nLIGHT nPP-PCD SERIES OR EQUAL.
 - 2.3. OCCUPANCY SENSOR, nCM PDT SERIES OR EQUAL. PROVIDE SENSOR SUITABLE FOR THE APPLICATION.
 - 2.4. DIMMING/ENTRY STATION, nPODMA SERIES OR EQUAL.
 - 2.5. 4 BUTTON DIMMING SCENE CONTROLLER, nPODMA-4S SERIES OR EQUAL.
2. OPERATIONS:
 - 2.8. COORDINATE INTENDED OPERATION OF THE LIGHTING AND BUSINESS HOURS WITH THE OWNER PRIOR TO PROGRAMMING.

SECTION 26 30 00 TELEPHONE/DATA SERVICE

1. UNLESS SPECIFICALLY NOTED, MINIMUM CONDUIT SIZE SHALL BE 3/4". CONDUIT SERVING 2 OR MORE PHONES SHALL BE 1" OR LARGER, AS NOTED.
2. ALL UNUSED DATA/TELEPHONE BOXES SHALL HAVE BLANK COVER PLATES INSTALLED.

SECTION 26 50 00 LIGHTING FIXTURES

1. FURNISH LIGHTING FIXTURES, LAMPS AND DRIVERS/BALLAST AS INDICATED ON THE DRAWINGS OR APPROVED EQUALS TO SPECIFIED FIXTURES.
2. FURNISH ALL REQUIRED INSTALLATION ACCESSORIES FOR THE FIXTURES AS REQUIRED FOR THE SPECIFIC LOCATION WHETHER OR NOT INCLUDED IN THE MANUFACTURER'S CATALOG NUMBER. SUCH ACCESSORIES INCLUDE PLASTER FRAMES, RINGS, FLANGES, CANOPIES, STEM HANGERS, AND SUSPENSION STRAPS.
3. INSTALL LAMPS IN ALL FIXTURES INSTALLED UNDER THIS CONTRACT IN ACCORDANCE WITH THE FIXTURE SCHEDULE ON THE DRAWINGS.
4. ALL LIGHT FIXTURES SHALL BE UL LISTED.
5. FIXTURES SHALL BE SECURELY MOUNTED TO ELEMENTS OF THE BUILDING OR TO SUSPENDED CEILING SYSTEMS. WIRE SUPPORTED FROM THE STRUCTURE SHALL BE PROVIDED FOR FIXTURES INSTALLED IN LAY-IN CEILINGS. PROVIDE MEANS OF SUPPORT AS REQUIRED IN NEC ARTICLE 410.16.
6. FLUSH FIXTURES WITH LIGHT SPILLING BETWEEN FRAME AND CEILING TO HAVE FELT GASKETS INSTALLED BETWEEN TRIM AND CEILING.
7. ALL BALLASTED FIXTURES SHALL HAVE A DISCONNECTING MEANS AT THE FIXTURE PER THE REQUIREMENTS OF NEC 410.130.

SECTION 28 31 00 FIRE ALARM SYSTEM

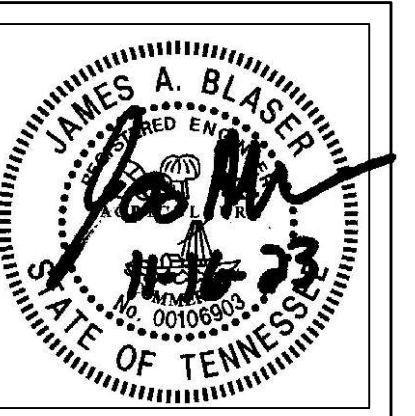
1. PROVIDE ALL EQUIPMENT AND ACCESSORIES REQUIRED FOR A COMPLETE LOCAL, MANUAL AND AUTOMATICALLY ACTUATED, ELECTRICALLY OPERATED, ADDRESSABLE ANNUNCIATED FIRE ALARM SYSTEM WITH BATTERY BACKUP.
2. THE FIRE ALARM SYSTEM DEVICES SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS AS REQUIRED TO MAKE THE SYSTEM OPERATE AS ONE SYSTEM.
3. FIRE ALARM INSTALLATION SHALL BE U.L LISTED AND CONFORM TO THE REQUIREMENTS OF NFPA 72, NFPA 101, LOCAL BUILDING CODES, AND THE NEC.
4. ACTUATION DEVICES SHALL INCLUDE DUAL ACTION MANUAL PULL STATIONS, SMOKE DETECTORS, DUCT SMOKE DETECTORS, AND WATER FLOW AND TAMPER SWITCHES.
5. ALARM AND ALERTING DEVICES SHALL MATCH EXISTING DEVICES WITH VISUAL DISPLAY.
6. ALL FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED.
7. CONTROL FUNCTIONS SHALL INCLUDE AIR HANDLING UNIT SHUTDOWN, RELEASE SECURITY DOORS, & AUTOMATIC NOTIFICATION OF EMERGENCY CENTER.
8. PROVIDE AN ADDITIONAL POWER SUPPLY TO POWER NEW DEVICES, OR IF THE EXISTING POWER SUPPLY IS LARGE ENOUGH, PROVIDE UPDATED BATTERY CALCULATIONS SHOWING THE EXISTING POWER SUPPLY AND BATTERIES ARE SIZED TO ACCOMMODATE THE EXISTING AND NEW DEVICE LOAD.
9. CONTRACTOR SHALL PROVIDE FOR SYNCHRONIZATION OF THE FIRE ALARM STROBES AND HORN/STROBES. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT, COMPONENTS, AND SYSTEM UPGRADES AS NECESSARY TO SYNCHRONIZE THE FIRE ALARM NOTIFICATION APPLIANCES WITH-IN THE WORK AREA.
10. CONTRACTOR SHALL PROVIDE FIRE ALARM SHOP DRAWINGS FOR THE BUILDING DEPARTMENT REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF THE FIRE ALARM SYSTEM.
11. ALL DEVICES EXISTING AND NEW SHALL BE TESTED UPON COMPLETION OF THE INSTALLATION PRIOR TO THE FIRE MARSHAL/BUILDING OFFICIAL WALK-THRU. ALL NON-WORKING DEVICES SHALL BE REPAIRED OR REPLACED.

SECTION 28 31 10 EMERGENCY RESPONDER RADIO COVERAGE

1. BUILDING SHALL BE TESTED FOR EMERGENCY RESPONDER RADIO COVERAGE.
2. TESTS SHALL BE PERFORMED AFTER THE INTERIOR AND EXTERIOR WALLS, DOORS, AND WINDOWS HAVE BEEN CONSTRUCTED.
3. IF THE INTERIOR AND/OR EXTERIOR COVERAGE DOES NOT MEET THE MINIMUM REQUIREMENTS OF THE INTERNATIONAL FIRE CODE SECTION 510, THEN PROVIDE A DISTRIBUTED ANTENNA SYSTEM COMPATIBLE WITH LOCAL EMERGENCY RESPONDER REQUIREMENTS TO BOOST THE SIGNAL TO CODE REQUIRED LEVELS.
4. SYSTEM DESIGN, DESIGN APPROVAL, INSTALLATION, AND FINAL ACCEPTANCE BY THE AUTHORITIES HAVING JURISDICTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. FINAL DEVICE TYPES, QUANTITIES, AND LOCATIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED ROUGH-INS, POWER CONNECTIONS, FIRE ALARM SYSTEM MONITORING, BACKUP BATTERIES, AND WIRING PER THE APPROVED PLANS.
6. COORDINATE REQUIREMENTS AND DEVICE LOCATIONS WITH OTHER TRADES AND THE GENERAL CONTRACTOR.
7. INCLUDE FEE FOR TESTING THE BUILDING AS PART OF THE ELECTRICAL BID AND WORST CASE SCENARIO (FULL COVERAGE) PRICING AS A SEPARATE LINE ITEM. THE PRICING WILL BE ADJUSTED AFTER THE TEST RESULTS DETERMINE THE REQUIRED EQUIPMENT.

END OF SPECIFICATIONS

Revisions	Description	Date
No.		



Renovations to
Greenville Middle School
Greenville, Tennessee



Drawn:	J. Blaser
Checked:	J. Blaser
Job No:	23-118
Scale:	as noted
Date:	11-16-23
File Name:	23140 electrical
Drawing Title:	Electrical Specifications
Sheet No.	E4.2

This document and the designs incorporated herein, as an instrument of professional service, is the property of Blaser Engineering and is not to be used in whole or in part for any other project, or by any person, or firms without the written authorization of Blaser Engineering.

Blaser Engineering

398 Moore Street
Bristol, VA 24201
Phone: (423) 349-8380

BLASER ENG JOB# 23-140

BID ENVELOPE

PROJECT: **Renovations to Greene Middle School and
Interior Modifications for New Administrative Office
Greeneville, Tennessee**

Recd by / Time / Date
RC / 10:52 am / 12-14-2023

BIDDERS NAME and ADDRESS

Skilled Services
2800 Hoitt Ave, Knoxville, TN 37917

LICENSE NUMBER 34266
CLASSIFICATION BL; CE, CMC Unlimited
EXPIRATION DATE 11/30/2024

SUBCONTRACTOR INFORMATION

MASONRY none required
License Number _____ Classification _____
Expiration _____

PLUMBING Skilled Services
License Number 34266 Classification CMC
Expiration 11/30/24

HVAC Skilled Services
License Number 34266 Classification CMC
Expiration 11/30/24

ELECTRICAL Skilled Services
License Number 34266 Classification CE
Expiration 11/30/24

GEOHERMAL none required
License Number _____ Classification _____
Expiration _____

Contractors submitting bids less than \$25,000 are not required to fill in the License Number or Classification.

CHECK-IN TIME _____

SECTION 00300

BID FORM

PROJECTS

Renovations to Greeneville Middle School
433 East Vann Road
Greeneville, Tennessee
and

Interior Modifications for New Administrative Office – Greeneville High School
210 Tusculum Boulevard
Greeneville, Tennessee

The Contractor acknowledges in submitting this Bid that:

1. The Contractor has received, read, and understands the documents and that this bid is made in accordance therewith.
2. The Contractor has visited the site and is familiar with conditions and constraints within which the Scope of Work is to be performed; and has correlated all observations with the requirements of the Contract Documents.
3. The required Bid Security, in the amount of five percent (5%) of the total amount of bid, is attached hereto.
4. Failure to complete the Bid Form, provide required attachments, or comply otherwise with the Instructions to Bidders, may be cause for rejection of the Bid.
5. The Contractor has received the following addenda:
Addendum No. 1 dated 12/11
Addendum No. 2 dated 12/13
Addendum No. _____ dated _____
Addendum No. _____ dated _____
6. The person who signs this Bid on behalf of the Contractor is required to be legally empowered to bind the Contractor to a contract.

The Bidder agrees to:

1. Honor this Bid for a period of forty-five (45) days following the date of scheduled opening of Bid.
2. Enter into and execute a Contract, if presented on the basis of this Bid, and furnish all bonds required and any certificates of insurance required.
3. Accomplish the Work in accordance with the Contract Documents.

QUOTATION:

BASE BID – RENOVATIONS TO GREENEVILLE MIDDLE SCHOOL:

two hundred eleven thousand, four hundred and zero /100ths dollars
\$ 211,400⁰⁰

Number of Calendar Days to complete Scope of Work: 120 days

BASE BID – INTERIOR MODIFICATIONS FOR NEW ADMINISTRATIVE OFFICE GREENEVILLE HIGH SCHOOL:

sixty one thousand, two hundred fifty and zero /100ths dollars
\$ 61,250⁰⁰

Number of Calendar Days to complete Scope of Work: 90 days

Submitted by: Skilled Services

Authorized signature:  date 12/14/23

Type or print Name and title: Rob Smith, President

On behalf of: Name of Bidder Skilled Services

Bidders address: 2800 Hoitt Ave
Knoxville, TN 37917

Bidders telephone number: 865.637.7687

Bidders e-mail address: rob.smith@skservicesllc.com

License Number: 34266

END OF SECTION 00300

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Skilled Services Quality Construction, LLC
2800 Hoitt Ave.
Knoxville, TN 37917

OWNER:

(Name, legal status and address)

Greeneville City Schools
129 W. Depot St. #4
Greeneville, TN 37743

SURETY:

(Name, legal status and principal place of business)

Westfield Insurance Company
P.O. Box 5001
Westfield Center, OH 44251-5001
Mailing Address for Notices
P.O. Box 5001
Westfield Center, OH 44251-5001

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: 5% Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

RENOVATIONS TO GMS & INTERIOR MODIFICATIONS FOR NEW ADMIN OFFICE GHS

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 14th day of December, 2023.



(Witness)



(Witness) Sue J Hill

Skilled Services Quality Construction, LLC

(Principal) (Seal)

By: 

(Title)

Westfield Insurance Company

(Surety) (Seal)

By: 

(Title) Kendra Adams, Attorney-in-Fact

General
Power
of Attorney

CERTIFIED COPY

POWER NO. 4111931 05

**Westfield Insurance Co.
Westfield National Insurance Co.
Ohio Farmers Insurance Co.**
Westfield Center, Ohio

Know All Men by These Presents, That WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, corporations, hereinafter referred to individually as a "Company" and collectively as "Companies," duly organized and existing under the laws of the State of Ohio, and having its principal office in Westfield Center, Medina County, Ohio, do by these presents make, constitute and appoint
ALEXANDER C. SHAFER, JASON E. TALLENT, AARON JENSEN, CHRISTINA ADDINGTON, CHRISTIE SWINNEY, SUE HILL, KENDRA ADAMS, JOINTLY OR SEVERALLY

of KNOXVILLE and State of TN its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, undertakings, and recognizances; provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed FIFTEEN MILLION DOLLARS AND NO CENTS (\$15,000,000)---

LIMITATION: THIS POWER OF ATTORNEY CANNOT BE USED TO EXECUTE NOTE GUARANTEE, MORTGAGE DEFICIENCY, MORTGAGE GUARANTEE, OR BANK DEPOSITORY BONDS.

and to bind any of the Companies thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the applicable Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolution adopted by the Board of Directors of each of the WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY:

"Be It Resolved, that the President, any Senior Executive, any Secretary or any Fidelity & Surety Operations Executive or other Executive shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

The Attorney-in-Fact, may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary."


"Be it Further Resolved, that the signature of any such designated person and the seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signatures or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached." (Each adopted at a meeting held on February 8, 2000).

In Witness Whereof, WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY have caused these presents to be signed by their **National Surety Leader** and **Senior Executive** and their corporate seals to be hereto affixed this **14th** day of **JULY** A.D., **2023**.

Corporate
Seals
Affixed



WESTFIELD INSURANCE COMPANY
WESTFIELD NATIONAL INSURANCE COMPANY
OHIO FARMERS INSURANCE COMPANY


By: 
Gary W. Stumper, National Surety Leader and Senior Executive

State of Ohio
County of Medina ss.:

On this **14th** day of **JULY** A.D., **2023**, before me personally came **Gary W. Stumper** to me known, who, being by me duly sworn, did depose and say, that he resides in **Medina, OH**; that he is **National Surety Leader and Senior Executive** of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, the companies described in and which executed the above instrument; that he knows the seals of said Companies; that the seals affixed to said instrument are such corporate seals; that they were so affixed by order of the Boards of Directors of said Companies; and that he signed his name thereto by like order.

Notarial
Seal
Affixed




David A. Kotnik, Attorney at Law, Notary Public
My Commission Does Not Expire (Sec. 147.03 Ohio Revised Code)

State of Ohio
County of Medina ss.:

I, **Frank A. Carrino**, Secretary of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; and furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Westfield Center, Ohio, this **14th** day of **December** A.D., **2023**.




Frank A. Carrino, Secretary

<u>BID TAB</u>						
<u>PROJECT</u>						
	Renovations to Greeneville Middle School & Interior Modifications for New Administrative Office - GHS					
	Greeneville, Tennessee					
<u>BID DATE</u>	Thursday, December 14, 2023 @ 2:00 p.m.					
Bidder of Record	Addendum	Security	Base Bid - Greeneville Middle School	Calendar Days	Base Bid - Greeneville High School	Calendar Days
Gunter Construction, Inc.						
License No.						
Safe Construction LLC						
License No.						
Skilled Services 2800 Hoitt Avenue Knoxville, Tennessee 37917 License No. 34266	1,2	X	\$211,400.00	120	\$61,250.00	90

BID ENVELOPE

PROJECT: Renovations to Greene Middle School and Interior Modifications for New Administrative Office
Greeneville, Tennessee

BIDDERS NAME and ADDRESS

Ready Time Date
RC 10:32 am 12-14-2023

Skilled Services

2800 Hoitt Ave, Knoxville, TN 37917

LICENSE NUMBER 34266
CLASSIFICATION BC, LE, CMC Unlimited
EXPIRATION DATE 11/30/2024

SUBCONTRACTOR INFORMATION

MASONRY none required
License Number _____ Classification _____
Expiration _____

PLUMBING Skilled Services
License Number 34266 Classification CMC
Expiration 11/30/24

HVAC Skilled Services
License Number 34266 Classification CMC
Expiration 11/30/24

ELECTRICAL Skilled Services
License Number 34266 Classification CE
Expiration 11/30/24

GEOHERMAL none required
License Number _____ Classification _____
Expiration _____

Contractors submitting bids less than \$25,000 are not required to fill in the License Number or Classification.

CHECK-IN TIME _____

SECTION 00300

BID FORM

PROJECTS

Renovations to Greeneville Middle School
433 East Vann Road
Greeneville, Tennessee
and

Interior Modifications for New Administrative Office – Greeneville High School
210 Tusculum Boulevard
Greeneville, Tennessee

The Contractor acknowledges in submitting this Bid that:

1. The Contractor has received, read, and understands the documents and that this bid is made in accordance therewith.
2. The Contractor has visited the site and is familiar with conditions and constraints within which the Scope of Work is to be performed; and has correlated all observations with the requirements of the Contract Documents.
3. The required Bid Security, in the amount of five percent (5%) of the total amount of bid, is attached hereto.
4. Failure to complete the Bid Form, provide required attachments, or comply otherwise with the Instructions to Bidders, may be cause for rejection of the Bid.

5. The Contractor has received the following addenda:

Addendum No. 1 dated 12/11
Addendum No. 2 dated 12/13
Addendum No. _____ dated _____
Addendum No. _____ dated _____

6. The person who signs this Bid on behalf of the Contractor is required to be legally empowered to bind the Contractor to a contract.

The Bidder agrees to:

1. Honor this Bid for a period of forty-five (45) days following the date of scheduled opening of Bid.
2. Enter into and execute a Contract, if presented on the basis of this Bid, and furnish all bonds required and any certificates of insurance required.
3. Accomplish the Work in accordance with the Contract Documents.

QUOTATION:

BASE BID - RENOVATIONS TO GREENEVILLE MIDDLE SCHOOL:

two hundred eleven thousand, four hundred and zero /100ths dollars
\$ 211,400⁰⁰


Number of Calendar Days to complete Scope of Work: 120 days

BASE BID - INTERIOR MODIFICATIONS FOR NEW ADMINISTRATIVE OFFICE GREENEVILLE HIGH SCHOOL:

sixty one thousand, two hundred fifty and zero /100ths dollars
\$ 61,250⁰⁰

Number of Calendar Days to complete Scope of Work: 90 days

Submitted by: Skilled Services

Authorized signature:  date 12/14/23

Type or print Name and title: Rob Smith, President

On behalf of: Name of Bidder Skilled Services

Bidders address: 2800 Hoitt Ave
Knockville, TN 37917

Bidders telephone number: 865.637.7687

Bidders e-mail address: rob.smith@sk.servicesllc.com

License Number: 34266

END OF SECTION 00300

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Skilled Services Quality Construction, LLC
2800 Hoitt Ave.
Knoxville, TN 37917

OWNER:

(Name, legal status and address)

Greeneville City Schools
129 W. Depot St. #4
Greeneville, TN 37743

SURETY:

(Name, legal status and principal place of business)

Westfield Insurance Company
P.O. Box 5001
Westfield Center, OH 44251-5001
Mailing Address for Notices
P.O. Box 5001
Westfield Center, OH 44251-5001

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: 5% Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)


RENOVATIONS TO GMS & INTERIOR MODIFICATIONS FOR NEW ADMIN OFFICE GHS

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 14th day of December, 2023.



(Witness)



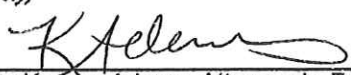
(Witness) Sue J Hill

Skilled Services Quality Construction, LLC
(Principal) (Seal)

By: 

(Title)

Westfield Insurance Company
(Surety) (Seal)

By: 

(Title) Kendra Adams, Attorney-in-Fact

General
Power
of Attorney

CERTIFIED COPY

POWER NO. 4111931 05

Westfield Insurance Co.
Westfield National Insurance Co.
Ohio Farmers Insurance Co.
Westfield Center, Ohio

Know All Men by These Presents, That WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, corporations, hereinafter referred to individually as a "Company" and collectively as "Companies," duly organized and existing under the laws of the State of Ohio, and having its principal office in Westfield Center, Medina County, Ohio, do by these presents make, constitute and appoint **ALEXANDER C. SHAFER, JASON E. TALLENT, AARON JENSEN, CHRISTINA ADDINGTON, CHRISTIE SWINNEY, SUE HILL, KENDRA ADAMS, JOINTLY OR SEVERALLY**

of KNOXVILLE and State of TN its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, undertakings, and recognizances; provided, however, that the penal sum of any one such instrument executed hereunder shall not exceed FIFTEEN MILLION DOLLARS AND NO CENTS (\$15,000,000)----

LIMITATION: THIS POWER OF ATTORNEY CANNOT BE USED TO EXECUTE NOTE GUARANTEE, MORTGAGE DEFICIENCY, MORTGAGE GUARANTEE, OR BANK DEPOSITORY BONDS.

and to bind any of the Companies thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the applicable Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolution adopted by the Board of Directors of each of the WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY:

"Be It Resolved, that the President, any Senior Executive, any Secretary or any Fidelity & Surety Operations Executive or other Executive shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

The Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary."

"Be It Further Resolved, that the signature of any such designated person and the seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signatures or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached." (Each adopted at a meeting held on February 8, 2000).

In Witness Whereof, WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY have caused these presents to be signed by their National Surety Leader and Senior Executive and their corporate seals to be hereto affixed this 14th day of JULY A.D., 2023 .

Corporate
Seals
Affixed



WESTFIELD INSURANCE COMPANY
WESTFIELD NATIONAL INSURANCE COMPANY
OHIO FARMERS INSURANCE COMPANY

By:
Gary W. Stumper, National Surety Leader and Senior Executive

State of Ohio
County of Medina ss.:

On this 14th day of JULY A.D., 2023, before me personally came Gary W. Stumper to me known, who, being by me duly sworn, did depose and say, that he resides in Medina, OH; that he is National Surety Leader and Senior Executive of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, the companies described in and which executed the above instrument; that he knows the seals of said Companies; that the seals affixed to said instrument are such corporate seals; that they were so affixed by order of the Boards of Directors of said Companies; and that he signed his name thereto by like order.

Notarial
Seal
Affixed



David A. Kotnik, Attorney at Law, Notary Public
My Commission Does Not Expire (Sec. 147.03 Ohio Revised Code)

State of Ohio
County of Medina ss.:

I, Frank A. Carrino, Secretary of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; and furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Westfield Center, Ohio, this 14th day of December A.D., 2023 .



Frank A. Carrino, Secretary



Price Quote

Winsor Learning, LLC
 3001 Metro Drive, STE #480
 Bloomington, MN, 55425
 Email : orders@winsorlearning.com
 Phone : 800-321-7585
 Fax : (651) 222-3969

Date: 1/8/2024
Quote No: Q-00642
Acct.No:
Total: \$8,222.50
Pricing Expires: 3/30/2024

Greeneville City Schools - TN
 129 West Depot Street
 Greeneville, TN, 37743
 United States

Payment Term	Contract Start	Contract End
Net 30		

Let's Play Learn

Item #	Item Description	QTY	Unit Price	Shipping Cost	Comments	End date	Total Amount
110-1600	Let's Play Learn Classroom Set	1	\$1,495.00	\$149.50			\$1,644.50
Let's Play Learn TOTAL:							\$1,644.50

Sonday System 1

Item #	Item Description	QTY	Unit Price	Shipping Cost	Comments	End date	Total Amount
210-1500	Sonday System 1 Intervention Set - Classroom Only	4	\$1,495.00	\$598.00			\$6,578.00
Sonday System 1 TOTAL:							\$6,578.00

Total : \$8,222.50



Price Quote

Winsor Learning, LLC
3001 Metro Drive, STE #480
Bloomington, MN, 55425
Email : orders@winsorlearning.com
Phone : 800-321-7585
Fax : (651) 222-3969

Date: 1/8/2024
Quote No: Q-00642
Acct.No:
Total: \$8,222.50
Pricing Expires: 3/30/2024

Please send copy of Tax Exempt Certificate along with Purchase Order. State Sales Tax may apply on digital, products, service, and/or shipping/handling without a Tax Exempt form on file.

Terms and Conditions :

The following terms and conditions apply to materials and professional services provided by Winsor Learning, Inc. ("Winsor") to your school/district (your "School"):

1. The details and scope of Winsor's services and materials provided will be as specified in the attached Proposal.
2. FULL DAY TRAINING (On-site or Virtual)
 - a. Each participant in any Sondag System® training must have their own Sondag System® kit to use for the training.
 - b. Maximum number of participants for a training day is thirty (30).
 - c. Payment by means of purchase order, credit card, or check must be received a minimum of thirty (30) days prior to the date of scheduled training.
 - d. Payment is due within thirty (30) days of receipt of invoice.
 - e. Payment in full must be made for any training day cancelled less than thirty (30) days prior to the scheduled date.
3. OPEN ENROLLMENT TRAINING (Virtual)
 - a. Each participant in any Sondag System® training must have their own Sondag System® kit to use for the training.
 - b. A purchase order or a credit card payment must be received to confirm an attendee in an Open Enrollment training.
 - c. Payment for open enrollment training cancelled less than fourteen (14) days prior to the scheduled date is non-refundable.
4. Fees paid to Winsor Learning, Inc. include all related training preparation, travel costs, administrative costs and insurance.
5. This Agreement, along with the Proposal attached hereto, constitutes the entire agreement of the parties, superseding any prior oral or written agreements regarding this matter.

Acknowledgement and Agreement: I have read and agree to this Proposal and the attached terms and conditions. I understand that training dates are secured ONLY with the return of this signed proposal.

Signature

Print Name, Title and District/School

Not valid unless accompanied by a purchase order. Please specify a shipping address if applicable. Please e-mail this quote, the purchase order and order documentation to orders@winsorlearning.com or fax to (651) 222-3969.



SOLE SOURCE LETTER


December 12, 2023

3001 Metro Drive, Suite
480 Bloomington, MN
55425 Tel: (800) 321-7585
www.winsorlearning.com

The following information describes the conditions under which Winsor Learning, LLC (“Winsor Learning”), markets the Sunday System Reading Intervention Program and its materials.

1. Winsor Learning is the sole and unique supplier for the proprietary materials which it publishes, produces and manufactures.
2. Winsor Learning materials are copyrighted.
3. You will pay the same price for Winsor Learning materials as would any other commercial or governmental agency.
4. Winsor Learning prices are uniform to all purchasers with only shipping costs and/or sales tax being added as appropriate.
5. Product will be shipped upon receipt of Purchase Order or payment.
6. Winsor Learning provides certified Sunday System trainers who are approved to train all levels of the Sunday System.

Sincerely,

DocuSigned by:

D9C6D6301F9746B...

Adam Klaber
Vice Chairman and
Chief Operating Officer



Company Address

2800 Shirlington Rd, Unit 1001 Arlington, VA 22206
United States

Prepared By Beth Sims
Email beth.sims@ascd.org

Quote Number 00006060
Created Date 8/25/2023

Bill To Name Greenville City School District
Bill To 129 W Depot St Ste 4
 Greenville, Tennessee 37743-1103
 United States

Ship To Name Greenville City School District
Ship To 129 W Depot St Ste 4
 Greenville, Tennessee 37743-1103
 United States

Product	List Price	Sales Price	Quantity	Total Price
WitsbyB - Annual Institution Multi-Seat Witsby License	\$200.00	\$58.65	363.00	\$21,289.95
WitsbyB - Annual Institution Multi-Seat Witsby License	\$200.00	\$58.65	363.00	\$21,289.95

Subtotal \$42,579.90
Discount 0.00%
Total Price \$42,579.90
Grand Total \$42,579.90



2800 Shirlington Road, Suite 1001
Arlington, VA 22206

January 10, 2023

Greeneville City School District
129 W Depot St, Ste 4
Greeneville, TN 37743

Re: Sole Source

We would like to thank you for considering ASCD for your professional learning needs. We are the sole source of "ASCD Professional Learning Platform - Witsby." and ASCD Publications. It is our hope that the following provides clarification on the proposed services:

Description of Services:

ASCD will partner with Greeneville City School District to provide flexible, accessible, professional learning via our Witsby™ platform. Witsby™ is a personalized professional learning platform that lets you combine your own PD with evidence-based content from ASCD. Specific functions of the platform include:

- *Content Library – On Demand*
- *Assessments – Prebuilt and Custom*
- *Search Function – Historical ASCD content at your fingertips*
- *Authoring Tools*
- *Learning Lists*
- *Admin Dashboard*
- *Assignments*
- *Portfolio and hour tracking*

ASCD values your interest in our products and services. If you have any additional questions, please feel free to contact me directly if you require additional information or have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Beth Sims", written over a light blue horizontal line.

Beth Sims, Regional Partnerships Manager

*All costs are inclusive. There is no cost to the district for travel expenses of any kind, including airfare, hotel, meals and ground transportation. Pricing for ASCD Author/Faculty members ranges from \$7,500.00 – \$20,000.00 per day onsite depending on the ASCD Author/Faculty Member. Exact cost will be determined as an appropriate match is made for your district



SCOPE: Inspection was conducted to determine the condition of 8 poles in service at Dale Alexander Ball Park, Greenville, TN. The area of inspection occurred from the groundline up to 8'. Drill samples were taken into the groundline at approximately 45 degrees to review the condition of the wood fiber below ground. In addition, sounding, pick tests, and core samples were taken above the ground line to test the condition of each poles "cross section".

COMMENTS: Each of the 8 poles was visually inspected for defects on their exterior. Poles were evaluated with the sound, visual and bore method for density and possible decay. Core samples were taken from ground line and approximately four feet above. Each pole is assigned a number with white lumber crayon. Pictures of core samples are included with this report. The poles evaluated were Class 2-70 Southern Yellow Pine, produced in 1976 by Huxford Pole in Huxford, Alabama. The core samples, extracted from the subject poles, showed conforming penetration of creosote. These cores were shown to Mr. Phillip Graham, client. We also discussed other aspects of the poles, with emphasis on the pole tops and their condition. **It appeared that some poles had been repaired in the past with metal crossarms and bracing.**

While on site, a line crew from Greenville Power and Light was available. They had a bucket truck and were able to go up and take pictures of the top of all poles. These pictures were given to me for my review. These pictures along with others I took of the lower area of the poles are made a part of this report.

The lower portions of the subject poles appear to be in reasonably good shape for their age. However, after review of the photos taken by Greenville Power & Light, the pole tops and related wood crossarms show a different story. Given the age of the poles, their continued exposure to swelling and shrinkage, damage from woodpeckers (such as Pole 5 for example), missing or damaged pole top caps and general wood degradation, it is my opinion pole replacement should be considered. It may be possible to undertake general pole top repair, under engineering supervision. Consideration toward cutting pole tops back to sound wood, replacement of crossarms and bracing may provide continued service life.

Pole Identifier	Visual Findings:	Sounding:	Core Extraction:	Comments:
Pole #1	Good	No void detected	No decay found	
Pole #2	Good	No void detected	No decay found	
Pole #3	Woodpecker Damage	No void detected	No decay found	Recommend pole be replaced at earliest convenience.
Pole #4	Good	No void detected	No decay found	
Pole #5	Woodpecker Damage	No void detected	No decay found	Recommend pole be replaced at earliest convenience.
Pole #6	Decay	No void detected	No decay found	Recommend pole be replaced at earliest convenience.
Pole #7	Decay	No void detected	No decay found	Recommend pole be replaced at earliest convenience.
Pole #8	Good	No void detected	No decay found	

Disclaimer for all recipients intending to use this data:

While TP makes every effort to provide accurate information regarding the quality of each pole; outside factors such as wind, snow load, excessive moisture, coupled with the inability to see inside of structure, make it impossible to determine a pole(s) continued service performance. As such, Timber Products Inspection, Inc., cannot be held liable in the event of a pole failure or perceived lack of performance.

Pole # 1



Pole # 1



Pole # 1



Pole # 2



Pole # 3



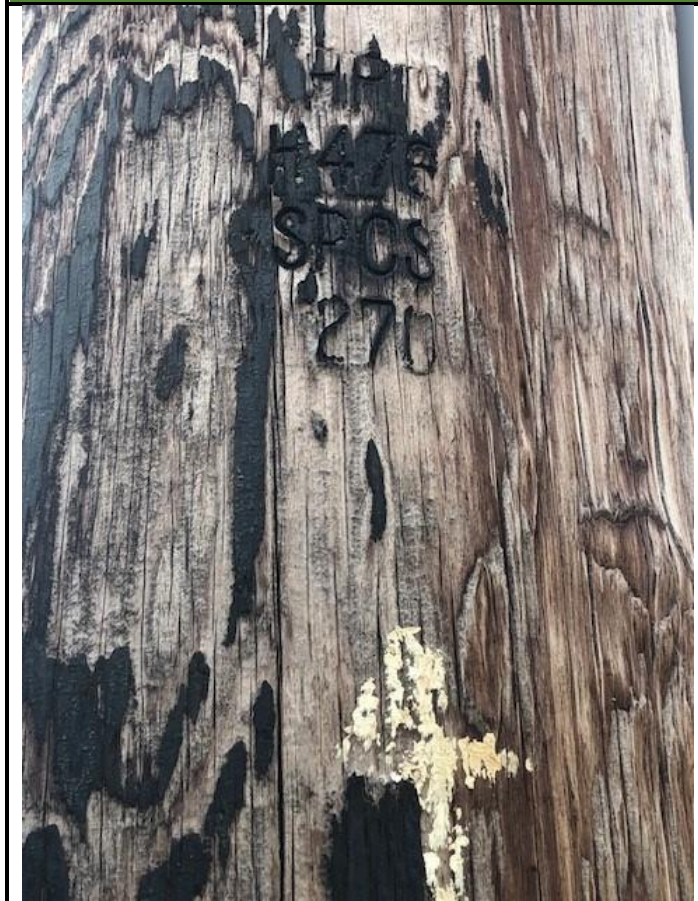
Pole # 3



Pole # 3



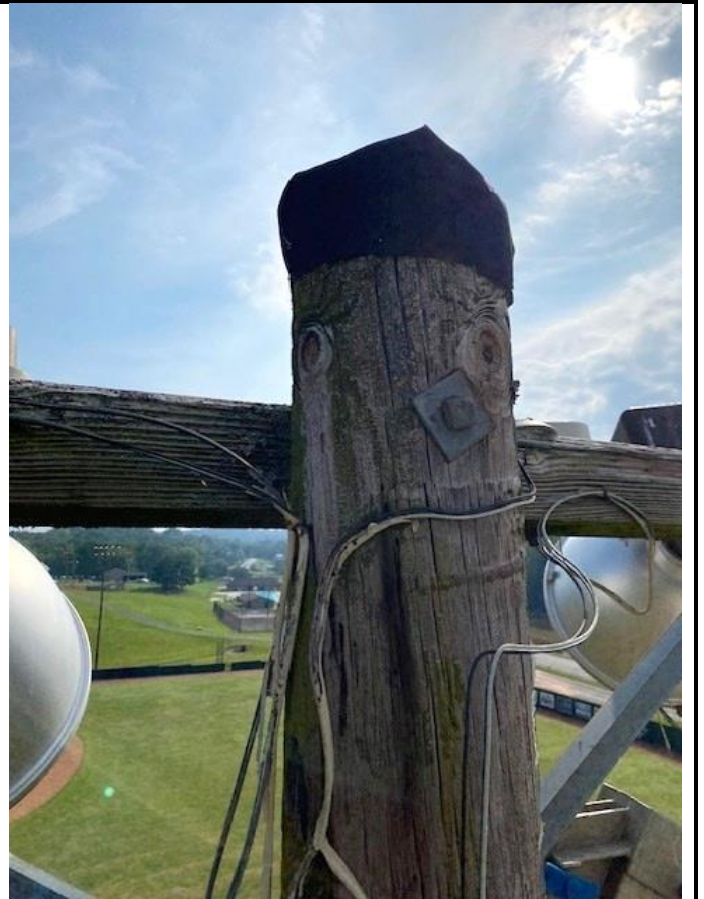
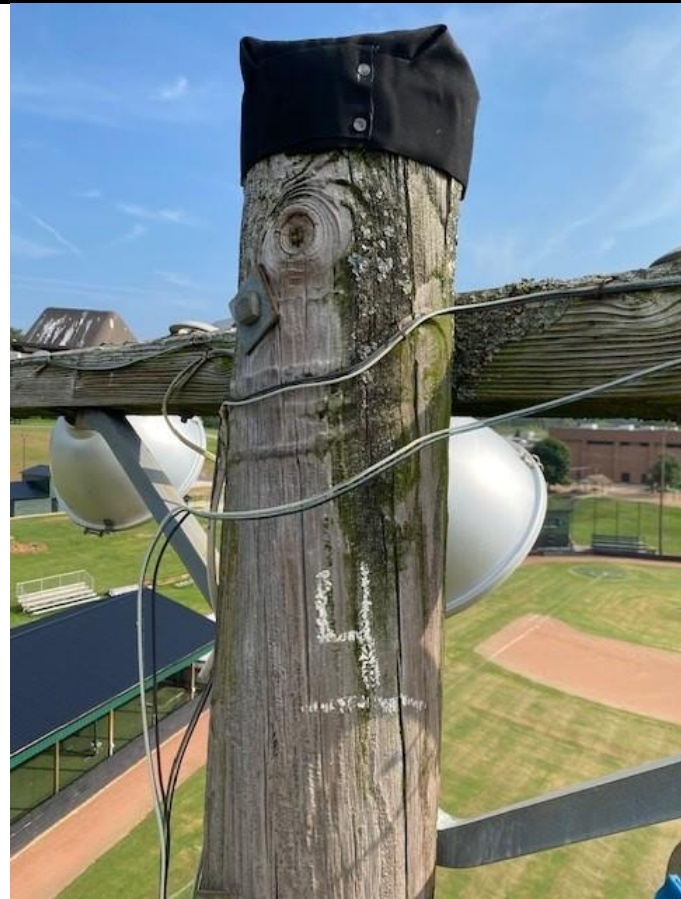
Pole # 4



Pole 4



Pole # 4



Pole # 5



Pole # 5



Pole # 5



Pole # 6



Pole # 6



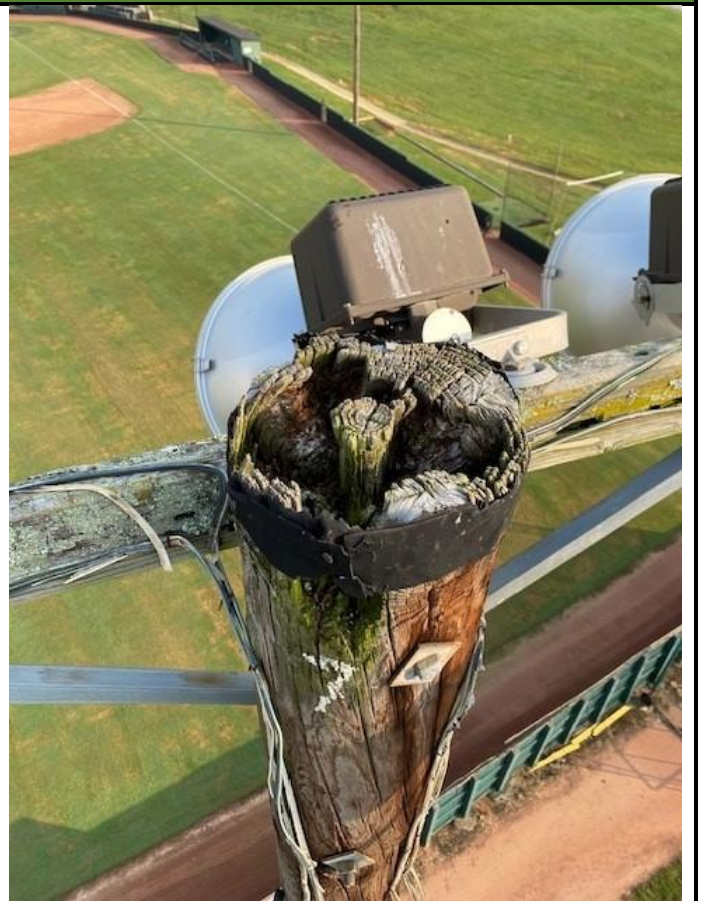
Pole # 6



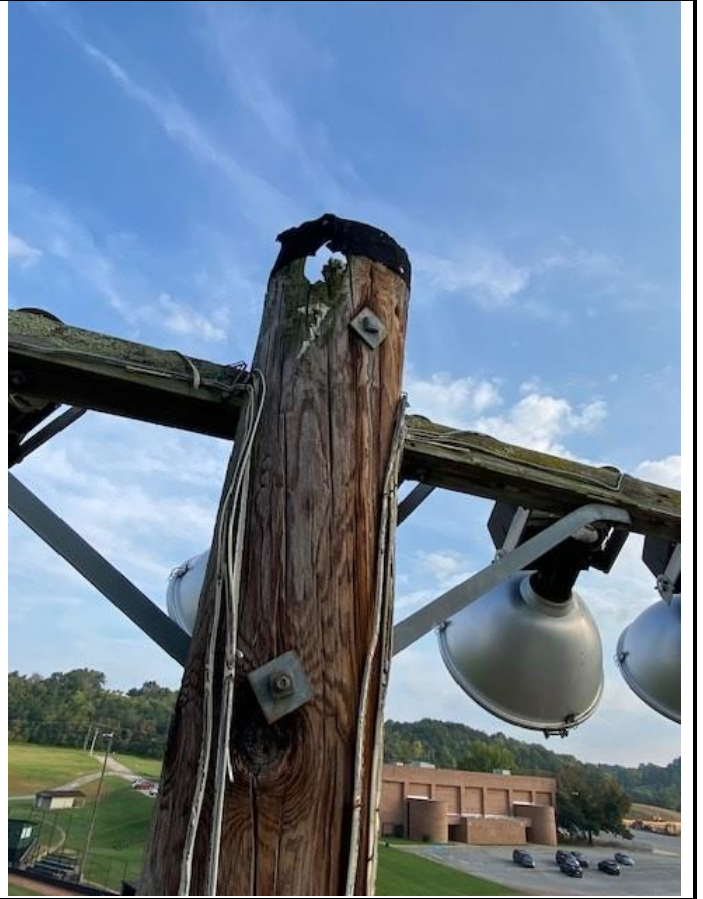
Pole # 7



Pole # 7



Pole # 7



Pole # 8



Pole # 8



Pole # 8



Pole # 8



Pole 1 - 8 Cores



Greeneville High School Baseball
Greeneville, TN
January 10, 2024
Sourcewell

Master Project: 199030, Contract Number: 041123-MSL, Expiration: 06/16/2027
Category: Sports lighting with related supplies and services

All purchase orders should note the following:
Sourcewell purchase – contract number: 071619-MSL

Quote Price – Materials and installation

Baseball Field – 313’x247’x272’	\$295,000.00
ADDER – ShowLight & RGB’s (color lighting)	\$39,000.00
ADDER – Bonding	\$1,622.50

*Meets or Exceeds Tennessee Secondary Schools Athletic Association Lighting Standards
Pricing furnished is effective for 30 days unless otherwise noted and is confidential.*

Light-Structure System™ with Total Light Control – TLC for LED™ technology

****Quote based on standard soil conditions – rock, bottomless, wet, or unsuitable soil may require additional engineering, special installation methods and additional cost.****

Guaranteed Lighting Performance

- Guaranteed light levels of 50 footcandles Infield and 30 footcandles Outfield
- BallTracker® technology – targeted light, optimizing visibility of the ball in play with no glare in the players typical line-of-sight

System Description

- 6 Pre-cast concrete bases with integrated lightning grounding
- 6 Galvanized steel poles
- Factory wired and tested remote electrical component enclosures
- Pole length, factory assembled wire harnesses
- Factory wired poletop luminaire assemblies
- Factory aimed and assembled luminaires, including BallTracker® luminaires
- UL Listed assemblies

Control Systems and Services

- Control-Link® control and monitoring system to provide remote on/off and dimming (high/medium/low) control and performance monitoring with 24/7 customer support
- Control-Link® control and monitoring system with Show-Light® entertainment package to provide 6 pre-programmed theatrical shows, onsite dimming, and custom color accent lighting control. *****ADDER*****

Operation and Warranty Services

- Product assurance and warranty program that covers materials and onsite labor, eliminating 100% of your maintenance costs for 25 years
- Support from Musco’s Lighting Services Team – over 170 Team members dedicated to operating and maintaining your lighting system – plus a network of 1800+ contractors



Payment Terms

Musco's Credit Department will provide payment terms.

Email or fax a copy of the Purchase Order to Musco Sports Lighting, LLC:

Musco Sports Lighting, LLC
Attn: Amanda Hudnut
Fax: 800-374-6402
Email: musco.contracts@musco.com

**All purchase orders should note the following:
Sourcewell purchase – contract number: 071619-MSL**

Delivery Timing

10 - 12 weeks for delivery of materials to the job site from the time of order, submittal approval, and confirmation of order details including voltage, phase, and pole locations.

Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges.

Notes

Quote is based on:

- Shipment of entire project together to one location.
- Voltage and phase system requirements to be confirmed.
- Structural code and wind speed = 2012 IBC, 115 mi/h, and exposure: C, Importance Factor 1.
- Owner is responsible for getting electrical power to the site, coordination with the utility, and any power company fees
- Includes supply and installation of Musco system including underground wiring and conduit, service entrance panel board, and controls by a licensed contractor.
- Standard soil conditions – rock, bottomless, wet, or unsuitable soil may require additional engineering, special installation methods and additional cost.
- Confirmation of pole or luminaire locations prior to production.

Thank you for considering our Team for your sports lighting needs. Please contact me with any questions.

Greg Gilley
Sales Representative
Musco Sports Lighting, LLC
Phone: 641-660-2362
E-mail: greg.gilley@musco.com



Directors Update to the Board

Tuesday, December 5, 2023

1. I want to wish the GCS Board of Education an incredibly Happy School Board Appreciation Week and say thank you for your dedicated service. We are so appreciative of the commitment, support, and leadership you provide to the students, employees, and families of Greeneville City Schools. I am honored to serve alongside you.
2. It is my pleasure to present to you the 2023 Greeneville City Schools Annual Report. The theme this year comes from our Portrait of a Graduate and focuses on Personally Responsible Citizen and Effective Communicator, two of the six traits identified that all GCS Graduates should possess when they graduate. I want to recognize Mrs. Jamie Galyon for the excellent job she has done compiling, organizing, and designing our report. I think she has done an outstanding job, especially this being her first report. Thank you, Jamie! This report allows us to highlight the many outstanding achievements of GCS students and employees.
3. The State of Tennessee recently notified GCS School Nutrition that we have been awarded a NSLP-Supply Chain Assistance grant (federal funds) from the United States Department of Agriculture (USDA) in the amount of \$ \$74,622.46. This grant funding is in response to the unprecedented challenges in purchasing and receiving food that operators of the National School Lunch Program (NSLP) and School Breakfast Program (SBP) **experienced** in School Year (SY) 2022-23. Kudos to Karen Wilhoit and her staff for always staying on top of and applying for these opportunities.
4. District Administration Magazine's National Awards Program honors outstanding K12 school districts and visionary leaders across the nation. This prestigious program aims to recognize and celebrate innovative initiatives that have delivered measurable results, revolutionizing education within school districts. Leaders of Distinction provides an exceptional platform to recognize individual leaders who have demonstrated exceptional vision, executed innovative strategies, and achieved remarkable results. I want to congratulate Beverly Miller who was recognized as a District Administration Leader of Distinction on Wednesday, December 13, 2023. Additionally, Greeneville City Schools was recognized during the banquet as one of three finalists for Districts of Distinction in Technology. Please join me in recognizing and celebrating Beverly and our outstanding IT Team (including our school level tech leaders) on receiving this national recognition.
5. A-F School Letter Grades were released by the TN Department of Education on Thursday, December 21, 2023, for the first time since the law was passed in 2016. I want

to recognize and celebrate the students and staff of Eastview Elementary School and Greeneville High School for receiving an A school letter grade. The complete report card for schools and the district is scheduled to be released mid to late February, prior to this year it was released in November.

6. I received notification from the Frantz Law Group in December regarding the initial payment from the JUUL litigation. The settlement reflects the amount of the first payment as \$17,804.65, which represents approximately 54% of the total settlement with subsequent payments to be received in December 2024, December 2025, and December 2026. A plan will be developed in conjunction with school administrators to determine how these settlement funds can best be used to combat youth vaping, especially in our schools.
7. I want to provide an update on the progress of the study we are participating in with Woolpert (Cooperative Strategies). The Town and GCS have been providing data and information to Woolpert and they have been busy compiling and analyzing this information, working to create growth projections for our system along facility recommendations. A School Facilities Planning Committee has been formed consisting of thirty-four members. The committee is comprised of four C-Team representatives, a Board representative, five school administrators, three teachers, a para-professional, three parents, two students, three higher education representatives, three Town of Greeneville Representatives, the Mayor, one representative from the Greene County Partnership, two representatives from the GCS Education Foundation, and five business and industry representatives. The committee will have its first meeting on Wednesday, January 31, 2024, with additional meetings scheduled in February, March, and April. A community meeting will be held between the February and March meeting open to all interested parties.

Respectfully submitted by Steve Starnes