

(Pending-Awaiting Approval)

Minutes of **Joint Work Session with Ogden City Council/Work Session**

Board of Education
Ogden City School District
1950 Monroe Boulevard, Ogden Utah

A Joint Work Session with Ogden City Council/Work Session of the Board of Education of Ogden City School District was held Thursday, February 3, 2022 beginning at 5:30 PM in the Henry Barker Board Room. The following were present when the meeting convened:

Members:

Jennifer Zundel, President
Joyce Wilson, Vice President
Amber Allred
Arlene Anderson
Douglas B. Barker
Nancy Blair
Susan Richards

Staff:

Luke D. Rasmussen, Superintendent
Zane K. Woolstenhulme, Business Administrator
Nelida Gil, Executive Assistant

Joint Work Session-Ogden City Council **3**
Via Zoom Meeting
February 3, 2022

1. The purpose of the joint work session is to gather information, build relationships, and discuss topics of mutual interest.
 - Pathway High School/Ogden School District and Ogden-Weber technical College Partnership;
 - Land Use Committee;
 - Construction Projects;
 - Demographic Study;
 - Community Renewable Energy Program Survey; and
 - Other items of general interest

Ogden School District Superintendent, Business Administrator, Executive Directors

Work Session

The February 3, 2022 Board of Education Work Session will be ENTIRELY VIRTUAL. The meeting will be accessible for public viewing (not participation) via YouTube link:

<https://www.youtube.com/channel/UCpaMTCFfn0ZW5SPVkhyOAiw>

1. BDK Project Management Report 5
Chris Kartchner, Program Director, LEED AP
2. **Board Committee Reports**
 - a. Budget, Finance and Facilities Committee
Chair Douglas B. Barker
 - b. Student Achievement Committee
Chair Jennifer Zundel
 - c. Policy and Law Committee
Chair Joyce Wilson
3. Child Nutrition Facility 15
Ken Crawford
4. Swimming Pool Proposal Discussion 88
Zane Woolstenhulme
5. NICE Health Discussion 93
Zane Woolstenhulme

Closed Session (if needed)

Note: A copy of related materials and an audio recording of the meeting can be found at www.ogdensd.org

President Zundel adjourned the meeting at

President

Business Administrator



City Council

Agenda

February 3, 2022

Electronic Via Zoom Meeting

2549 Washington Boulevard, Ogden, Utah 84401

5:30 p.m. Joint Work Session with Ogden School District

Via Zoom Meeting

February 3, 2022

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- Pathway High School/Ogden School District and Ogden-Weber Technical College Partnership;
- Land Use Committee;
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- Community Renewable Energy Program Survey; and
- Other items of general interest.

Public meetings will be electronically via Zoom in accordance with Utah Code Ann. §52-4-202 et. seq., Open and Public Meetings Act, due to the potentially dangerous nature of COVID-19.

The public may monitor and/or listen to open portions of the meeting electronically by following the instructions below.

Zoom Meeting

<https://us02web.zoom.us/j/85906491209>

Meeting ID: 859 0649 1209

Connect via Telephone

1 669 900 6833

Meeting ID: 859 0649 1209

In compliance with the Americans with Disabilities Act, persons needing auxiliary communicative aids and services for this meeting should contact the Management Services Department at 629-8701 (TTY/TDD: 711 or 888-735-5906) or by email: accessibility@ogdencity.com at least 48 hours in advance of the meeting.

CERTIFICATE OF POSTING

The undersigned, duly appointed City Recorder, does hereby certify that the above notice was posted in accordance with Utah State Code on this 1st day of February, 2022.

Tracy Hansen, MMC/CRA
City Recorder

Visit the City Council Meetings page at: ogdencity.com/councilmeetings
Ogden City Council Agenda Information Line – 801-629-8159

**Joint Work Session
Ogden City Council
Ogden School Board
Zoom**

Thursday, February 3, 2022
5:30 pm

Ogden City		Ogden City Schools	
Council Chair	Ben Nadolski	Board President	Jennifer Zundel
Vice Chair	Luis Lopez	Vice President	Joyce Wilson
Council Members		Board Members	
	Bart Blair		Amber Allred
	Angela Choberka		Arlene Anderson
	Richard Hyer		Douglas Barker
	Ken Richey		Nancy Blair
	Marcia White		Susan Richards

Ogden City Council Staff:

Executive Director

Janene Eller-Smith

Deputy Director

Glenn Symes

Policy Analyst

Ross Watkins

Communications and Public Engagement Coor.

Brandon Garside

Communications Specialist

Eric Davenport

Ogden City Administration:

Mayor

Mike Caldwell

Chief Administrative Officer

Mark Johnson

City Attorney

Gary Williams

Management Services Director

Mara Brown

Community and Economic Development Director

Tom Christopoulos

Public Services Director

Jay Lowder

Recreation Manager

Edd Bridge

Chief Deputy Recorder

Lee Ann Peterson

Ogden School District Staff:

Superintendent

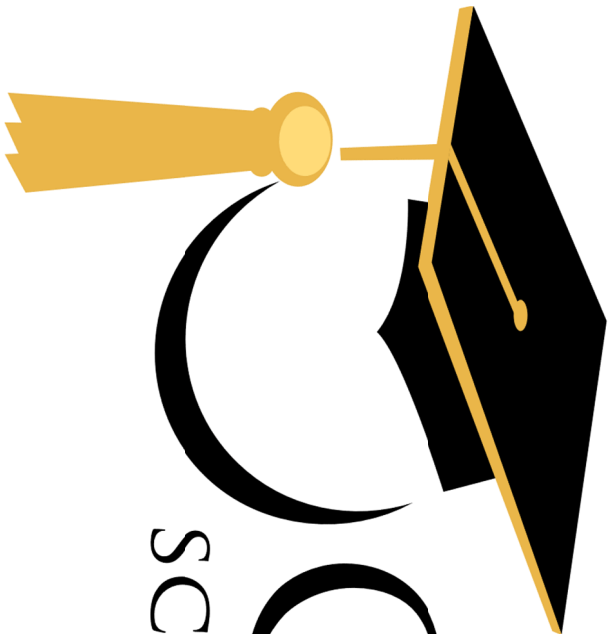
Luke Rasmussen

Business Administrator

Zane Woolstenhulme

Executive Assistant

Nelida Gil



GDDEN

SCHOOL DISTRICT

BOND PROGRAM MONTHLY

REPORT

January

2022



BIG-D | KITCHELL
A JOINT VENTURE

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1. Program Overview and Summary

Ogden City School District Bond program plans for creating 21st century learning environments for the improvement of student education. BDK is serving as the Ogden City School District Program Manager for the Bond. The bond program consists of 4 major projects. They are as follows:

- Wasatch Elementary school received a new classroom building to replace the existing campus portables, secure office entryway, new fire alarm and smoke upgrades, along with new kitchen equipment, new plumbing, and the electrical service upgrade. The board also approved the design alternates with improvements to the Kindergarten, Media Center, Administration areas, new carpet and paint in the existing building, and parking with parent drop off areas. The Project construction has achieved final completion. The new addition and improvements are currently operating and are completing the first year of school in the new addition and with the new improvements.
- Eastridge, formerly Horace Mann, Elementary School. The plan was for the existing school to be demolished and replaced. The new building is now operating for school. The playground areas are now completed, and the playfield is prepped for grass installation in the spring.
- Polk Elementary school will retain the existing 1926-27 original building shell, but will be made safe structurally and be brought up to modern standards. The remainder of the campus, except the 1993 addition, will be demolished and rebuilt into a 21st century learning environment. Construction is progressing. The new school is currently slated for opening in Fall 2022.
- Liberty, formerly T.O. Smith, Elementary School. The plan is for the existing school to be demolished and replaced. The new school is being built on the existing campus location, necessitating the closure, and demolition of the existing campus. Construction is progressing. New School is slated for a Fall 2022 opening.



2. **Wasatch Elementary**



- A. **Status:** Final complete. 1 year warranty items completed.
- B. **Public Activities:** None, school is operational.
- C. **Issues and Resolutions:** None
- D. **Schedule Status:**
 - a. **Construction Progress Existing Building:**
 - i. Complete
 - b. **Construction progress New Building/Site**
 - i. complete
- E. **Finance and Cost Status:** Final total project cost is \$112,246,418.55
- F. **Risk Assessment:** None. Items for correction during warranty walk noted.



3. East Ridge Elementary

- A. **Status:** East Ridge Elementary school building is complete and operating, minor corrective work is being completed, the grass will be installed in the spring.
- B. **Public Activities:** None.
- C. **Issues and Resolutions:** none current.
- D. **Schedule Status:** Complete except playground grass which will be installed in the spring.
 - a. **Activities Progress this month:**
 - i. Furniture warranty work
 - ii. Building warranty work
 - b. **Scheduled Items planned**
 - i. Grass in Spring
- E. **Finance and Cost Status:** Current Construction cost including desired alternates is \$25,258,000 including an owner controlled contingency amount of \$750,000. Current Total Project Cost is \$29,161,654, including increased FF&E.
- F. **Risk Assessment:** none



4. Polk Elementary

- A. **Status:** Polk Elementary School construction is progressing and preparing for Winter.
- B. **Public Activities:** New School Staff Tour
- C. **Issues and Resolutions:** Supply Chain issues and crew Covid-19 impacts, Quality control corrections continue
- D. **Schedule Status:** on schedule although project float is diminished
 - a. **Activities Progress this month:**
 - i. Paint continuing
 - ii. Glass continuing
 - iii. Electrical and Special systems continuing
 - iv. Tile installation
 - v. Doors and hardware installation
 - vi. Ceiling grid installing
 - vii. Tectum panels installing
 - b. **Scheduled Items planned**
 - i. Addition of table storage area
 - ii. Sitework East side
 - iii. Prep for finishes
- E. **Finance and Cost Status:** Polk Elementary total project budget is \$30 million dollars (\$30,000,000). Current Construction Cost Estimate is \$26,123,000 and Total Project Cost is \$31,197,390.
- F. **Risk Assessment:** Supply chain multiple trades, quality control





5. Liberty Elementary

- A. **Status:** The existing school is gone and the new one is rapidly progressing.
- B. **Public Activities:** Tour by School Staff
- C. **Schedule Status:** on schedule
 - a. **Activities Progress:**
 - i. Glass installation ongoing
 - ii. mechanical ongoing
 - iii. electrical ongoing
 - iv. tile bathrooms near complete
 - v. paint ongoing
 - vi. Kitchen started
 - vii. Drainage underground nearing complete
 - viii. Learning stair concrete
 - b. **Scheduled Items planned**
 - i. Site work and concrete
 - ii. Finishes
 - iii. Ceiling grid
 - iv.
- D. **Finance and Cost Status:** T.O Smith Elementary total project budget is \$25 million dollars (\$25,000,000). Construction Bid including approved alternates is \$22,336,000. construction cost. Overall Budget cost is estimated at \$26,102,915 including solar and soft costs.
- E. **Risk Assessment:** material shortages supply chain issues, crew shortages



6. Program Wide Planned Activities for Next Period

- Materials verification with supply chain all trades at all sites
- Schedule check with covid-19 crew impacts
- Prep for spring site work

7. Visual Aids

Polk Construction Photos



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Liberty Construction Photos



Monthly Report January 2022

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Board of Education Synopsis

Topic: Child Nutrition and Student Resource Center Facility

Date of Board Meeting: February 3, 2022

Requested by: Ken Crawford

Requested Board Action (check one):

<input type="checkbox"/> Approval	<input checked="" type="checkbox"/> Information Item	<input type="checkbox"/> 1 st Reading	<input type="checkbox"/> 2 nd Reading
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Purpose/Objective: Ogden City School District has not been immune to the supply chain issues that have plagued this country over the past two years. One of the things that would help deal with potential supply chain disruptions is a Child Nutrition storage facility where we can receive and store our own food supply for long periods of time. Two recent news articles both within the last couple of months talk about the concerns and issues:

<https://www.ksl.com/article/50275215/schools-struggle-to-keep-up-with-meals-amid-supply-labor-problems>

<https://www.ksl.com/article/50256864/utah-school-districts-adapting-lunches-amid-labor-supply-chain-shortages>

Currently, Ogden School District rents warehouse space from Western Gateway at 130 West 28th Street in Ogden, UT. We use this space for directly shipped USDA Food products such as canned and frozen fruit and vegetables and some dry goods used throughout the year in the child nutrition program.

The Covid 19 pandemic has illuminated the fragile nature of the supply chain in America. OSD Child Nutrition found itself in a position of needing more warehouse space to bring in items that we could not get from our regular suppliers, but Western Gateway could not accommodate us as their facility was full with various client's products. An OSD owned warehouse space would allow OSD Child Nutrition to bring in products directly for use in our schools that we can't get through our regular channels allowing a smooth and uninterrupted flow of food for school lunch. An onsite facility also reduces costs associated with deliveries. Over the past Two years, we have spent more than \$40,000 to store products at the Western Gateway warehouse. We anticipate spending even more this year than in previous years.

Being able to bring in and store our own food and supplies so that we have it on hand and readily available, as opposed to relying on distributors and manufacturers to send it when they get around to it, is huge because of the supply chain issues, transportation issues, labor shortages all along the way, etc. With the storage capacity of 64 pallets for frozen goods and 60 pallets for dry goods, this would allow us to store several months' worth of supplies to help deal with finding substitutions when we have disruptions with the supply chain

Designed with backup generators, the proposed facility would provide a place to safely store food even during power outages, natural disasters, or as a backup when school refrigeration units fail. My team, particularly Sheri and Megan, have been working tirelessly to deal with shortages of products, finding alternatives, reaching out to other vendors with whom we don't have long-term contracts, changing menus (sometimes daily), etc. just to make sure all of our kids are getting adequate meals each and every day.

In addition, this facility would be tied to and enhance two other programs: the Marketstar Student Resource Center, and our Post High/ Bridges Special Education program. By adding a second floor to the proposed design (see attachment), we would double the amount of space to around 3,000 sq. ft. of the current Student resource center. This would also allow us to jointly use the loading dock and add fresh fruits and vegetables to the items available at the resource center. Furthermore, the test kitchen and training room would be an ideal location to train our post-high school and Bridges program students from special ed on how to use equipment in a commercial grade kitchen, thus providing better real-world training for our kids..

We propose to build a Child Nutrition Facility on the district campus that would be located on the north west corner of the campus where the metal sheds used to sit just west of the sports complex and parking lot.

Timeline: We have begun the schematic design process but would need to continue that so we could incorporate the Resource center into the plans. Architectural drawing would take about another 4 or 5 months and then probably 12 to 14 months for construction after the project has bid out. We would target fall of 2023 to open the facility.

Budget: The estimated budget based on the current schematic drawing is around \$6 million and to add the additional floor would be around an additional million to the project leaving the estimate to be around \$7 million for this new facility. We propose that the project be funded by the district capital outlay budget.

Recommendation: We are asking to move forward with construction documents, forming our design/construction team, and then bidding the project out. Once it has bid and we have actual numbers, we would bring the final construction budget back to the board for final approval to proceed with construction of the project.

OGDEN SCHOOL DISTRICT CHILD NUTRITION FACILITY
SCHEMATIC DESIGN SUBMITTAL
June 1, 2021



OGDEN SCHOOL DISTRICT CHILD NUTRITION FACILITY SCHEMATIC DESIGN NARRATIVE

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Mechanical System Basis of Design Narrative

Electrical System Basis of Design Narrative

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- Exterior Elevations
- Food Service Equipment Plan
- Civil Site Diagrams
- Electrical Systems Diagrams

DESIGN TEAM

Architecture

GSBS Architects

Food Service Design

Jedrzejewski Designs

Civil Engineering

Great Basin Engineering

Structural Engineering

ARW Engineers

Mechanical Engineering

VBFA Engineers

Electrical Engineering

Envision Engineering

OGDEN SCHOOL DISTRICT CHILD NUTRITION FACILITY SCHEMATIC DESIGN NARRATIVE

ARCHITECTURAL DESIGN NARRATIVE

Ogden School District (OCSD) currently does not have any food storage facility and is using space at Western Gateway to meet its frozen and dry storage needs. This potential project would address this need by creating a storage resource on the main district campus that also includes a training facility, test kitchen and office space to serve the Child Nutrition Department.

Architectural Context

The building is planned to be located on the North portion of the campus west of the Spence Eccles Ogden Community Sports Complex. The main maintenance building is located directly south and at least 30 feet from the new building. Currently there is a metal storage shed in this location that will be removed in its entirety, by the district, in preparation for this new facility.

The design and exterior materials of neighboring buildings is varied and OCSD has requested that this new building fit into the overall campus character. This variety allows for the use of numerous exterior materials for this project including brick, CMU, metal panel and concrete. The nature, use and location of this building are appropriate in this location which is less prominent on the site but visible from Monroe Street and multiple other buildings on the campus due to the building's required height.

There is an existing drive aisle located to the west of the existing metal storage building. It was determined that the drive aisle does not need to be maintained in the new project.

Orientation and Site

The front of this building will be oriented to the East opening onto the existing parking lot to remain. Other entries and exits will be distributed in convenient locations for access and exiting requirements as shown in the plan provided. The door to the West will be an exit only door. OCSD does not require substantial landscape design for this building and most adjacent surface will consist of concrete and asphalt paving. Currently, the site design includes the following features/adjustments to the current conditions:

To the South

The space in between the new building and the Central Utility Building to the South will be used to store vehicles. OCSD has requested a shade structure be constructed as part of the project for this use. This structure will be a metal deck on metal beam/columns and will be located adjacent to the Central Utility Building with a minimum of 10' of open drive aisle between this structure and the new building. This shade structure will be approximately 16 feet by 90 feet'. This south yard area will also be secured with rolling sliding gates at both ends of the space. These gates will be configured so as not to impede access to the doorway on the south elevation and bollards and fencing will be used to separate the sidewalk access to this doorway from the vehicular access in this area.

To the West

The area to the West of the building will be less wide than the current drive aisle and no longer accessible to vehicles. This area will require a sidewalk path from the West doorway to connect to convenient circulation on the site.

To the North

The area to the North of the building be regraded to allow for the extension of the paved area further North. This additional paving area will be used for the yard area for the condensers, generator and transformer as well as fire access via a hammerhead configuration. This area will

also be the access location for the food storage component of the building which includes a dock area with a ramp that falls below floor level approximately 4' allowing semi-trailers direct and level access to the staging area. There will also be stair access to the ramp surface from the staging area and direct access to the yard area from the same doorway. The ramp will incorporate a painted steel guardrail that separates the ramp from the higher elevation grade of the north yard and hammerhead access.

To the East

The area to the East of the building will be the main entry to the building. This will have direct access to the existing parking and will have limited, if any, planted areas. Three EV charging stations will be equally spaced across this front elevation to allow for support and charging of electrical vehicles and as power sources to the parking lot area that can be used for other functions such as food truck connections. Additionally, two hose bibs will be provided on this façade for similar purposes.

Specific Space Requirements and Finishes

The new building is a combination of several needs for the Child Nutrition Department; food storage, test kitchen/training and office space. These needs are served by the following space types.

Food Storage

This area includes the Freezer, Dry Storage and Staging Areas. This area is accessed through the staging area via an overhead door or man door. Access to the exterior uses a similar door configuration. Access to the Freezer will be through a sliding insulated door or man door.

Freezer (650 NSF)

This space will need to be insulated in such a way that it is entirely isolated from the rest of the building and can maintain a minus 10-degree temperature. To accomplish this the CMU structural walls will have 6" IMP panels attached to them and the demising wall between Dry Storage and the Freezer will be entirely constructed of these panels. The roof structure will be separated by a 6" IMP panel ceiling hung from the structure above using Unistrut. The floor will be a finished concrete and also be insulated and separated from all other construction. Any and all required components within the space such as lights will need to be supported in a way that maintains this insulation without creating thermal breaks. The products stored in this space will be organized onto pallet racks which are designed to be four pallets high and two pallets deep along two walls to create an aisle to access all locations with a total space for 64 pallets. This requires the space to have a clear height of approximately 25'.

Dry Storage (878 NSF)

Dry storage is similar to the Freezer in most conditions except it does not require the same type/level of insulation. Rather than insulated metal panels this space will have the code required continuous insulation and overall R-value required for exterior walls and interior walls can be CMU with no other finish. The floor will be a finished concrete and the space will be open to the roof structure and deck. The products stored in this space will be organized onto pallet racks which are designed to be four pallets high and two pallets deep along two walls to create an aisle to access all locations with a total space for 60 pallets. This requires this space to have a clear height of approximately 25'.

Staging (496 NSF)

The Staging area is similar to the Dry Storage in every way except required height. It does not require any pallet racks and would have an area for a desk and storage of the fork lift.

Training

This area includes the Training Room and the Test Kitchen. This entire space can be open and used as one training area or it can be divided into three spaces - the Test Kitchen and two smaller general training areas. This division is accomplished using operable partitions.

Training Room (2,074 NSF)

The Training Room has 4 doors with sidelights for access and required exiting of a possible 150 occupants (75 per individual divided space). The operable partition within this area needs to contribute to sound absorption and reduce sound transfer between the spaces. All exterior and interior walls will be CMU with furring and painted gyp board finishes with carpeted floor. The

ceiling will be approximately 12' above finished floor and consist of an acoustical panel in a grid structure.

Test Kitchen (845 NSF)

The Test Kitchen is similar to an elementary school kitchen but slightly smaller. It is meant to allow for training and testing of menu items. It is required to have washable surfaces and will consist of tile flooring, gyp board walls and a hard lid of washable ceiling panel ceiling. The operable partition separating this space from the Training Room will also need to be a washable surface like stainless steel or glass.

Office Space (2,044 SF)

This area includes private Offices, Open Office Space, Waiting/Reception and a Break/Workout Room. While there are several discrete spaces in this area they are all similar in finish. These spaces will have painted gyp. board metal stud walls and carpeted floor with acoustical tile ceilings in grid structure. In the open office, there will be two cubicles and a small conference space as well as a built-in counter area for touch down work stations.

The Waiting/Reception area has a special feature near the entry – a micro farm housed in a glass display cabinet. This is owner provided but will need to be connected and coordinated depending on plumbing and power requirements.

Support Space

All buildings require support space which includes Restrooms, Storage and Utility Spaces.

Electrical Room and Fire Riser Room (238 SF)

These spaces are co-located with the staging area and utilize similar construction and materials.

Storage/Custodial/Data (667 SF)

The Storage/Custodial Area has a CMU exterior wall with metal stud interior walls with painted gyp board finish. The floor is finished concrete and tile will be provided on the walls around the floor sink. This room houses the water heater and shelving provided by owner and has a hard lid ceiling.

Restrooms (516 SF)

There are three restrooms, two multi occupant and one single occupant. These will all have tile floors and wall finishes with hard lid ceilings. Multi occupant spaces will not have urinals and will have toilet partitions with one ADA accessible stall. Sinks will be undermount in a wall mounted counter (see code information for # of fixtures). The Single occupancy restroom will have a toilet and urinal, shower and sink in a wall mounted countertop.

Acoustics

Privacy in the office area and sound control in the training area is important. Interior walls should typically have sound insulation in the stud space and extend to deck.

Exterior Materials and Building Envelope Design

The overall intent of the new building enclosure is as follows:

Single story slab on grade building with vertical insulation at foundation perimeter

Three exterior wall construction types:

- Insulated metal panel or composite metal panel rain screen over continuous insulation on sheathing with continuous air barrier product applied to surface on metal stud framing with spray foam insulation and gyp. board on interior face. (office area)
- CMU with 6" IMP panels on interior side (freezer)
- CMU with continuous air barrier product applied to interior surface and metal stud furring with space for continuous insulation and remaining insulation located between studs with gyp. board on interior face. (remaining components)

Single ply roofing with rigid insulation on top and sheathing with vapor barrier on metal deck. Unit skylights and/or tubular skylights, such as Solatube, are anticipated at the Dry Storage Room, Staging area, Training Room, and Test Kitchen

Current design includes the following exterior products:

- Insulated metal panel or composite metal panel
- Honed CMU, integrally colored
- Gray concrete, polished
- Thermally broken aluminum storefront/curtainwall
- Tinted high performance glass

Some additional features of the exterior include:

- PV array on the roof
- Large format signage covering some part of the Freezer wall surface facing Monroe
- Large format signage covering some part of the Dry Storage wall surface facing the parking lot
- Continuous metal band/overhang across east façade

Building Code Summary

Applicable Codes, Standards and Regulations

2018 International Building Code (IBC)
 2018 International Fire Code (IFC)
 2018 International Plumbing Code (IPC)
 2018 International Mechanical Code (IMC)
 2018 National Electrical Code (NEC)
 2018 International Energy Conservation Code (IECC)
 ASHRAE Standard 62.1 - 2016
 Boiler and Pressure Vessel Compliance Manual (State of Utah) ASHRAE Standard 55 - 2017
 2018 International Fuel Gas Code (IFGC)
 NFPA 101 (2012 edition with State of Utah Amendments)
 Laws, Rules and Regulations of the Utah State Fire Marshall

Building Occupancy

The primary occupancy for the building is Business Group B. There are also portions of the building that will be classified as S2. The training room may be considered an assembly group E or A-3 depending on how the AHJ defines this group.

Building Type

IIB

Sprinklers

The building will be fully sprinkled.

Allowable Height and Area

Per table 503 of the IBC, the tabular allowable height and area for B, S,A-3 and E buildings are as follows:

Occupancies B, S - 75 feet above grade plane (A is same)
 Occupancies B, S - 4 stories (A-3 is 3 stories)

Type IIB, SM	Occupancy B = 69,000 SF per floor
	Occupancy S-2 = 78,000 SF per floor
	Occupancy A-3 = 28,500 SF per floor
	Occupancy E = 43,500 SF per floor

Actual Area of the proposed building is 10,250 sf
 Actual Height of the proposed building is currently 30'-0"

Mixed Use and Occupancy

Per section 508 of the IBC

Mixed Occupancy - B, S-2 and possibly A3 or E

Separated Occupancies - One-hour rating required between B and S-2 and B and A-3/E

Occupant Loads

Business	150 GSF/occupants	Office - 2,338 SF	16 occupants
Educational	20 NSF/occupant	Training - 2,050 SF	103 occupants
Kitchen	200 GSF/occupant	Kitchen - 845 SF	5 occupants
Warehouse	500 GSF/occupant	Storage - 2,875 SF	6 occupants

130 total
65 Men + 65 Women

Plumbing Fixtures

Required plumbing fixtures counts are based on the occupant load and Table 2902.1 of the IBC. Although a portion of the building will have an S and possibly A or E occupancy, it is assumed that a B occupancy can represent the entire building due to its more stringent requirements. This seems appropriate given the use characteristics of the project. See Table below:

Gender	Toilets/ Urinals	Lavs	Drinking Fountains	Service Sinks
Male	3	3	2	1
Female	3	3		

A single family / assisted use toilet room is not required in the building. However, OCSD requested that this type of room be included.

CIVIL DESIGN NARRATIVE

The proposed design concept for the Child Nutrition Facility for Ogden City School District located at approximately 1950 South Monroe Boulevard in Ogden, Utah, will be based primarily on the existing site conditions and the layout of the proposed building as determined by the architect. The civil design will begin with a thorough review of the final copy of the existing topographical survey when it becomes available and site plan drawings and evolve from critical requirements taken from that review.

Demolition Plan

The proposed OCSD Child Nutrition Facility will be replacing existing maintenance sheds. The new facility is to be constructed on the west side, near the north west corner of the Ogden City School District Offices located at 20th Street and Monroe Boulevard, which is currently occupied by a series of maintenance buildings and asphalt paving. The maintenance buildings will be removed and the asphalt paving surrounding these buildings will also be removed. Protection of utilities and capping of disconnected utilities is also a part of the work detailed in the demolition plans.

Site Plan

The new Child Nutrition Facility will be constructed on the Westerly side of the site, north of the Central Utilities Buildings. The site will be expanded slightly to the north and some paving will need to be removed and replaced on the east side of the building to accommodate drainage and utilities. The site plan will detail pavement thicknesses and dimensions to the property line from the building as well as delineate areas of concrete pavement, asphalt pavement, landscaping and building areas.

Grading & Drainage Plan

The finished floor elevations of the new buildings will be largely established based upon their relationships with adjacent building and surface improvements (currently Finished Floor is anticipated to be at Elevation 4399.15).

Grading design will allow for minimum positive grade away from the building consistent with current State of Utah Standards for construction of public Schools and will ensure that the adjacent streets, parking area and/or drive aisles provide positive drainage away from the new building. Adequate protection for the building from flooding is a top priority and grading will be undertaken with that in mind. The slopes in the parking areas will be designed to meet or exceed 1.5% at all times and not to exceed 4% where possible. Drive aisles may need to exceed 4% to allow for sufficient grade transition on a site with appreciably natural slope. Spillover points will be incorporated into the grading plan to ensure that the maximum depth of 1' is not exceeded even in the event that the design storm is surpassed. The surface grading plan will direct water to an underground system of pipes which will carry storm water away. There is an existing detention pond on the north side of the proposed building and almost all of the existing improvements are hard surfaces, so we don't anticipate any change in volume of storm water runoff.

Utility Plan

Utility plans will cover sewer, water and storm drain and provide coordination of electrical, gas and telephone from the respective design engineers. Utility connections are broken out by the following.

Sanitary Sewer

The sanitary sewer for the facility will be designed to meet local jurisdictional criteria and industry standards. The nearest sanitary sewer line, with adequate depth to serve the new Child Nutrition Facility is near the southwest corner of the boiler building, it is 13-feet deep and approximately 315-feet from the southeast corner of the proposed building. Sewer lateral will be a 6-inch line at a minimum slope of 1.0%, sloped to maintain a 2 foot per second scour velocity to minimize clogging. All sewer manholes will be H-20 rated and comply with ASTM C-478. It is currently anticipated that a gravity flow will serve this site.

Water Distribution

A new 4-inch water line will connect to the existing water line just south of the restroom facility for the soccer field, approximately 200-feet east of the site, and will provide culinary water to the proposed facility. Mains will be constructed to meet city standards and will be constructed at the proper depth and of quality materials. A 2 1/2" fire hydrant will be installed near the northeast

corner of the facility adjacent to the proposed fire lane and hammerhead turn-around. An 8-inch fire line will extend east and southeast from the Facility and connect to an existing looped 6-inch fire line approximately 380 feet to the southeast. This system will need to meet the satisfaction of the local Fire Marshall. Hydrants will conform to the requirements of NFPA 24 and be of dry barrel type. All plastic waterlines will have tracer wire & warning tape.

Fire Suppression

Fire suppression will be provided through fire risers routed to the building to locations determined by the Mechanical Engineer. This fire riser will be taken off of the fire line to the proposed new Fire Hydrant. One riser per building is anticipated at this time.

Storm Drain

The Storm drain system will work in conjunction with the existing storm drain system for the existing Ogden City School District Offices, and will be designed to pick up surface water on all sides of the proposed facility, through precast inlet boxes and pipes. All inlet grates will be H-20 rated heavy duty cast iron. Detention will be based on the Ogden City standard storm and return period and a discharge equal to or less than that of the current condition. Detention will take place in the existing detention Pond just north of the facility. Storm water generated from roof tops will be connected to downspouts and piped underground into inlet boxes. All storm drain pipes will be sloped such that they meet 2.0 foot per second scour velocities. Storm drain will be either PVC - ASTM D3034, Type PSM, SDR 35 or concrete pipe. All pipe 12" in diameter and larger will be concrete pipe unless perforations are required. Storm drain piping sizes, types, and slopes will be shown on utility sheets.

STRUCTURAL DESIGN NARRATIVE

General Design Criteria:

Risk Category-	II
Roof Dead Loads-	As required, including consideration for solar panels
Flat Roof Snow Load-	Pg: 38 psf, Pf: 27 psf, with special consideration for drifting and sliding snow.
Seismic-	Site Class: D (default assumed at this time) Mapped Spectral Response Accelerations: S _s = 1.366, S ₁ = 0.501 Design Spectral Acceleration Parameters: SDS: 1.093 Seismic Design Category: Unknown at this time Lateral Force Resisting System: Special Reinforced Masonry Shear Walls. Seismic Importance Factor: 1.0
Wind-	Nominal Basic Wind Speed (3-sec gust): 105 MPH Nominal 81.3 MPH ASD Exposure: C Component and Cladding: ASCE 7-16
Rain-	Intensity: 1.5 in/hr.
Geotechnical-	The report has not been completed at this time.

Basic Structural Design Description

It is expected that the primary structural system will consist of a combination of reinforced masonry bearing/shear walls and steel columns.

In addition to a teaching lab and administrative offices, the building will include a minus 10-degree(F) freezer and a dry storage area. It is expected that the freezer portion of the building will be contained within the taller, masonry portion of the building through the use of insulated panels that are placed inside the masonry walls. It is expected that these insulated panels will also be used to create the lid of the freezer(ceiling) to isolate the freezer from the building structure. The floor slab of the freezer will be separated from the adjacent slabs and will be insulated as required.

Gravity Load Support System

It is expected that the primary structural system will consist of structural steel wide flange beams or pre-manufactured steel joists, or a combination of the two. The owner may wish to install a solar panel array on the roof. The panels may be ballasted or unballasted, to be determined during design. The building structure shall be designed to accommodate a solar panel array on the roof.

All beams, joists, and girders shall be supported by HSS columns or reinforced masonry walls.

Lateral Load Support System

It is expected that the lateral force resisting system of the building will consist of Special Reinforced Masonry Shear Walls (R=5). The roof diaphragm will be designed as a flexible metal deck diaphragm.

Foundation System

Although a geotechnical report has not been completed yet, it is anticipated that one will be provided prior to commencement of building design. Based on our current knowledge of soils in the area and typical, local foundation systems, it is expected that the building will be supported upon conventional shallow footings. This will be verified when a geotechnical evaluation becomes available.

MECHANICAL DESIGN NARRATIVE

Project Information

Project Name: Child Nutrition Facility
 Project Location: Ogden, Utah
 Project Elevation: 4400 Feet Above Sea Level

Outdoor Design Conditions:
 Summer: 97 F Dry Bulb, 63 F Wet Bulb
 Winter: 0 F

Building Use Summary:
 Seasonal Use: Year-Round use
 Hours: 6:00 A.M. – 6:00 P.M. Mon – Fri
 Scheduled weekend and evening use

Project Design Criteria

Codes and Design Standards:
 International Building Code 2018
 International Mechanical Code 2018
 International Plumbing Code 2018
 International Energy Conservation Code 2018
 ASHRAE Standard 62.1 - 2016
 Boiler and Pressure Vessel Compliance Manual (State of Utah)
 ASHRAE Standard 55 - 2017

Project System Description

Energy Source

The facility utilizes electricity for cooling and natural gas for heating.

HVAC System

Air Distribution

- Low pressure supply and return duct from packaged rooftop units
- Low pressure exhaust duct for toilet rooms
- Grease duct for Type 1 Kitchen Hood

Heating and Cooling

- Gas fired packaged Rooftop units will be utilized to heat and cool the building, (7) total units are needed for adequate thermostatic zoning ranging in size from 2 ton to 6 ton. Rooftop units shall be electro-mechanical controls to allow Stuxureware building controls to control heat stages, cooling stages and outdoor air economizer
- Gas fired make-up air unit with evaporative cooling will be utilized to temper the make-up air of the kitchen hood exhaust air.
- Gas fired infra-red heater will be utilized for supplemental heat at Receiving area.

Ventilation Air

- Ventilation air will be provided by the Packaged Rooftop Units, each shall have 100% modulating outside air economizer and 100% power relief.

- CO2 Demand Control Ventilation will be utilized for the training room RTU's to minimize over ventilating these spaces with widely varying occupancies.

Exhaust Air

- UL listed upblast exhaust fan with hinged base for Type 1 kitchen hood
- Dome roof exhaust fan for toilet room

Data Closet AC

- Ductless Split system

Building Automatic Temperature Controls

- The building shall have Schneider Struxeware DDC controls as an extension of the district wide control system
- Rooftop units shall be electro-mechanical controls to allow Struxeware application specific controllers to control heat stages, cooling stages and outside air economizer
- DDC temperature sensors shall be adjustable and have temperature and setpoint readouts

Domestic Water Systems

- Domestic water heating will be a high efficiency gas fired water heater
- Lavatories will be touchless faucets
- Lavatories will be provided with thermostatic mixing valves to limit the maximum hot water temperature to 110 deg F
- Water Header and water heater will be located in the storage room
- Plumbing fixtures will be meet Ogden School District standards
- A grease interceptor will be required for the Kitchen waste and is to be located on the west side of the building
- (2) non freeze wall hydrants at the front of the building
- Water supply rough-in for indoor micro farm feature in reception/waiting area

Energy Conservation Measures

The following are Energy Conservation Measures over and beyond energy code requirements:

- Solar PV to offset electrical energy use
- High Efficiency Rooftop Units
- All duct is low pressure
- Outside air economizer on each rooftop unit for free cooling
- Demand Controlled Ventilation for the training rooms to allow reducing outside air during low occupancies
- High Efficiency Condensing Water Heaters

Fire Suppression Systems

The system will be a fully automatic, quick response, wet system, wherein specified heat levels will burst the sprinklers' frangible bulb. Water pressure causes water to spray from the single activated sprinkler, while simultaneously activating the fire alarm. The building will be considered as fully sprinkled throughout according to NFPA 13 standards.

ELECTRICAL DESIGN NARRATIVE

Codes and Standards

Codes, Standards, and Guidelines, which are applicable to the design of the electrical systems, are listed below. Comply with the currently adopted editions of the following publications as mandated by the authority having jurisdiction:

International Building Code (IBC)
 International Fire Code (IFC)
 NFPA, National Fire Protection Association (applicable sections including but not limited to):
 NFPA 70, National Electrical Code
 NFPA 72, National Fire Code
 NFPA 101, Life Safety Code
 ANSI/ASHRAE/IES Standard 90.1
 Underwriters Laboratories (UL)
 International Energy Conservation Code (IECC)
 Institute of Electrical and Electronic Engineers (IEEE)
 Illuminating Engineering Society of North America (IESNA) Handbook
 Electronics Industrial Association / Telecommunications Industry Association 568/569 (EIA/TIA)
 ADA Accessibility Guidelines
 Utah OSHA Regulations
 Ogden City Codes and Ordinances
 Laws, Rules, and Regulations of the Utah State Fire Marshal
 Electronics Industrial Association / Telecommunications Industry Association 568/569 - EIA/TIA
 ANSI/TIA/EIA 606-A - Administration Standards for Telecommunications Infrastructures.
 ANSI/TIA/EIA Joint Standard - 607-A - Commercial Building Grounding and Bonding requirements for Telecommunications.
 Building Industry Consulting Services International (BICSI) Distribution Methods Manual (TDMM).
 Building Industry Consulting Services International (BICSI) Customer Owned Outside Design Manual.
 National Electrical Manufacturers Association (NEMA).
 Underwriters Laboratories (UL) Cable Certification and Follow-up Program
 American Society for Testing Materials (ASTM)
 American National Standards Institute (ANSI)
 Utah State Construction and Fire Code Act
 Utah State Labor Commission Requirements
 Utah State Department of Health
 Utah State Department of Environmental Quality

Please note that conflicting requirements may exist among the codes and standards. Where a conflict exists, the most stringent requirement shall govern, unless specific clarification is noted here.

Electrical Service and Distribution

Power to the building shall be provided by Rocky Mountain Power (RMP). A new 4" underground conduit shall be installed from the nearby overhead power pole located at Monroe Boulevard to the transformer pad in the utility yard. As needed, RMP will furnish and install a ground sleeve between the overhead pole and the transformer pad. A new medium voltage pad mount, oil filled transformer (12470:208/120V) will be provided by RMP.

A new electrical service entrance for the building will consist of a pad mounted CT, meter, and a main service disconnect section 'MSD'. The preliminary service size is between 600 and 800 amps, 208/120V, 3-phase, 4-wire. The main service disconnect will feed a 208/120V main switchboard 'MSB' located in the electrical room. Circuit breakers in the distribution section shall supply feeders to branch panelboards, HVAC equipment, automatic transfer switches, etc. To ensure selective coordination of the emergency and standby branches, electronic LSI circuit breakers shall be provided for automatic transfer switches.

The main switchboard shall be provided with a digital meter that will be connected to the building automation system (BAS). 'MSB' shall have 25% spare capacity and breaker space to accommodate future loads.

A fault current, selective coordination, and arc flash study will be required for the new electrical service for this building. The available fault current shall be obtained from RMP. All equipment shall be rated adequately to withstand the current that may be available during any fault or overload condition. The selective coordination study shall extend to all distribution panels rated at 100A and above. Settings for all adjustable trip breakers as well as arc flash labels shall be provided to the Contractor prior to the electrical system startup.

Feeders and Distribution Equipment

Interior and exterior lighting loads will be served at 120V, 1-phase; large motors and equipment at 208V, 3-phase; and power outlets and small equipment at 120V, 1-phase. Distribution feeders shall be sized to limit voltage drop to 2% at full capacity.

Aluminum bussing shall be allowed for all distribution panels and appliance branch panelboards. Distribution panels and appliance panelboards shall be provided with bus hardware installed on the bus for future over-current devices. All lighting and appliance branch panelboards shall be provided with door-in-door construction.

Aluminum conductors shall be allowed for all feeders rated 100A and above. All grounding electrode conductors and equipment grounding conductors shall be copper only.

Branch Circuit Wiring

All branch circuit wiring shall be copper with a minimum of #12 AWG. Aluminum branch circuit wiring and MC cables are not acceptable. Generally, branch circuits shall be loaded to no more than 80% of that allowed by the NEC. Wiring for outlets that feed specific equipment shall be sized based on the actual nameplate rating of the equipment. In no case, shall more than six (6) convenience outlets be circuited to a branch circuit. Each branch circuit homerun should have no more than three (3) circuits. Each circuit shall be provided with a dedicated neutral conductor. All branch circuits shall include a code sized equipment grounding conductor. The maximum allowable voltage drop from the branch panelboard to the farthest load shall be 3%. The total allowable voltage drop from the service entrance switchboard to the farthest load in the building shall not exceed 5%. When calculating voltage drop, the load shall be assumed to be 80% of the ampacity of the branch circuit. Branch circuit wiring shall run overhead to allow for ease and flexibility for future changes and modifications.

Emergency and Standby Electrical System

An emergency/standby power diesel generator shall be provided as a backup for the entire building. The generator shall be a critical grade diesel unit with a steel skid mounted fuel tank with a minimum fuel capacity to provide 24 hours of operation at full load. The generator shall meet the latest EPA Tier Standard. The generator shall be located outside the building envelope on a concrete pad at ground level adjacent to the building. A Quick-Connect Distribution Panel 'QCDP' shall be provided for the emergency branch to allow connection to the temporary/portable generator and load bank as required by NEC 700.3 (F).

Three pole automatic transfer switches (ATS) shall be provided. The emergency ATS will feed an emergency panelboard that will serve the emergency egress lighting and exit signs. The standby ATS will feed 'MSB'. The preliminary size of the generator is 200KW/250KVA. The final generator size will be determined once all requirements and actual loads are determined.

The generator and automatic transfer switch shall be connected to the BAS.

Raceways

All raceways that are designed should be a minimum of ¾" except communications and security systems raceways shall be 1" minimum. All site branch circuit raceway shall be 1" minimum. Raceways and boxes shall be provided for telecommunication cabling as well as all electronic safety and security systems (fire alarm, access control, and video surveillance cameras). A 200lb. nylon pull string shall be provided in all empty conduits. Provide rigid metal conduit or intermediate metal conduit in areas where conduit is subject to damage or moisture. Schedule 40 PVC conduit shall be used in location below grade or under slabs on grade. All below grade or under slab elbows shall be rigid galvanized conduits.

Grounding

A main Intersystem Bonding Termination (IBT) ground bus shall be provided in the main electrical room and shall be bonded to all grounding electrodes. As a minimum, the grounding electrodes shall consist of building steel, the building cold water pipe, a concrete-encased electrode, and a minimum of two ground rods located outside the building.

Lightning Protection

A lightning protection system shall not be required.

Surge Suppression

Surge protective devices (SPD's) shall be installed at 'MSD', 'MSB' and emergency panelboard. The SPD devices shall be sized for the level of exposure that is encountered.

Short Circuit, Selective Coordination and Arc Flash Studies

Short circuit, selective coordination, and arc flash studies shall be specified as part of the electrical construction package. The purpose of the studies are as follows: 1) To confirm that the specified AIC and withstand ratings of the electrical equipment indicated in the contract documents are sufficient to safely clear and withstand the maximum fault current values; 2) To determine the settings of overcurrent protection devices required to achieve the required selective coordination level while maintaining system protection; 3) To provide arc flash labels on all electrical equipment as specified in NFPA 70E so that electricians who maintain the equipment will be aware of the associated arc flash hazard danger at each respective location and be advised as the appropriate personal protective equipment (PPE) to wear. The studies will be reviewed by the Electrical Engineer as part of the shop drawing review. All emergency and standby branches shall be selectively coordinated to 0.1 second.

Electrical Room

The main electrical room will host 'MSB', automatic transfer switches, and lighting and appliance panelboards. This room should be dedicated to electrical distribution and should not be used for communication/data equipment, storage, or any other purpose. Additional panelboards shall be provided in the storage room near the office area and in the Test Kitchen area as necessary to limit the distance to any electrical device or equipment to a maximum of 150 feet.

Receptacles/Special Purpose Outlets

Receptacles shall utilize standard NEMA configurations, and the minimum rating shall be 20 amps. Outlets for equipment such as electric water coolers and all outlets in Test Kitchen are required to be GFCI-protected. GFCI breakers will be utilized in lighting and appliance panel boards in lieu of GFCI receptacles where GFCI receptacles are not readily accessible. All exterior outlets shall be GFCI and shall be provided with while-in-use weatherproof covers.

Offices

Each office shall be provided with a duplex receptacle outlet on each wall. Additional outlets shall be provided for the displays where required.

Waiting and Reception

A minimum of one duplex receptacle shall be provided in the waiting area. At least two duplex outlets shall be provided in the receptionist desk area. A minimum of one duplex receptacle shall be provided for the micro-farm cabinet in the waiting area.

Training

Two duplex receptacle outlets shall be provided on each of the three walls. Additional outlets shall be provided for the displays.

Test Kitchen

Duplex receptacle outlets and special NEMA outlets shall be provided for all appliances. Additional outlets shall be provided every 4' along countertops, at the teacher station, and on the walls where the space is available. No more than two to three outlets shall be on each branch circuit. Dedicated

outlets shall be provided for each refrigerator, microwave, vending machine, disposal, and other kitchen equipment requiring a dedicated circuit.

Break/Workout

A duplex receptacle outlet shall be provided on each wall. Additional dedicated outlets shall be provided for the exercising equipment as required.

Electrical Room and Fire Riser Room

A minimum of one general purpose duplex receptacle shall be provided in the electrical and fire riser rooms.

Unloading/Staging

A duplex receptacle outlet shall be provided on each wall.

Utility Yard

A minimum of one duplex receptacle shall be provided in the Utility Yard.

Dock Ramp

A minimum of one duplex receptacle shall be provided at the Dock Ramp.

IT Room

A minimum of one general purpose duplex receptacle shall be provided in the IT room. Quadplex receptacle outlets each with a dedicated 20-amp branch circuits shall be mounted on every wall in equipment rooms. Once quadplex receptacle shall be provided for each data rack.

Corridors/Vestibules

A duplex receptacle outlet shall be provided every 25' on centers, on alternating sides of the corridor or vestibule.

Storage, Custodial, Restrooms

A minimum of one duplex receptacle outlet shall be provided. For custodial and restrooms the outlets shall be GFCI protected.

Building Exterior

One GFCI outlet shall be provided near each entrance/exit.

Lighting Systems

Interior Lighting Systems

Interior lighting design shall provide for the use of standard lighting fixtures that are highly efficient, high quality, and will meet the needs of each type of space within each facility. Light fixtures selected should complement the architecture of the space. Fixtures used shall be placed within spaces to allow for ease of maintenance. The lighting design shall comply with the illumination levels and uniformity criteria of IESNA and its recommended best practices. The values listed below are average maintained illuminance levels using a maintenance factor of 70%. Consideration should be given for lighting pollution reduction.

Illuminance Levels

<i>Function / Space</i>	<i>Illuminance (Avg. Foot-candles)</i>
Offices	35 FC
Waiting	20 FC
Reception	35 FC
Training	35 FC
Test Kitchen	50 FC
Break/Workout	30 FC
Electrical Room	30 FC
Fire Riser Room	15 FC
Unloading/Staging	30 FC
IT Room	50 FC
Corridors/Vestibules	10 FC

Storage Rooms	10 FC
Custodial	20 FC
Restrooms	20 FC

Exterior Lighting

The exterior lighting fixtures should be selected to harmonize with the architectural style of the building. In general, all outdoor lighting shall have low BUG ratings as defined by the IESNA. Wall mounted decorative fixtures may be used to draw attention to main entry or circulation areas. All fixtures shall be LED and have a minimum of 50,000-hour life at 70% lumen maintenance and be tested in accordance with IES LM70. All exterior light fixtures should be robust and suitable for the harsh exterior environment. Preference should be given to fixtures that have design features such as hinging reflectors and removable driver trays that reduce the cost of lamp replacement and fixture repairs.

Lighting levels should be in accordance with the Recommended Illuminance Categories and Illuminance Values for Lighting Design, IES Lighting Handbook. The lighting levels listed below in footcandles should be used for design purposes. The values listed are average maintained illuminance levels using a maintenance factor of 70%.

<u>Function / Space</u>	<u>Illuminance (Avg. Foot-candles)</u>
Building Perimeter - Entrances	5 FC

Emergency Lighting

Emergency lighting shall be provided for all of the paths of egress both interiorly and exteriorly. Additionally, emergency lighting shall be provided for the following areas:

- Utility Yard
- Electrical Room
- IT Room
- Any other specific location where emergency lighting is deemed necessary

Light Fixture Criteria

All lighting shall meet or exceed the current energy code for lighting power density, control requirements, and other requirements. All lighting shall utilize the most efficient fixtures available to meet the project requirement and budget. We propose that LED light fixtures shall be used exclusively throughout the building to meet the illumination requirements, to maintain high efficiency and require minimal maintenance. All fixtures shall have a minimum of 50,000-hour life at 70% lumen maintenance and be tested in accordance with IESNA LM70. Daylight harvesting with variable dimming shall be employed in spaces that receive natural daylight where practical and as may be required to meet the applicable energy code. The Kelvin temperature of LED's for interior fixtures shall be 4,000 degrees. LED shall also be employed for exterior site lighting fixtures. LED's for exterior fixtures shall be specified to have a Kelvin Temperature of 4,000 degrees.

Lenses shall be specified that will not yellow due to exposure to sunlight or to the light sources in the fixture. Where acrylic diffusers are specified, 100% virgin acrylic lenses shall be provided. All equipment grounding conductors shall be connected to fixture housings. 10% spare replacements LED circuit boards and drivers shall be provided. All LED light fixtures utilized on this project shall have a minimum 5-year warranty.

Lighting Control

General

The lighting control system will be designed to provide a high level of control by individual occupants or groups in multi-occupant spaces and promote their productivity, comfort and well-being. Lighting control system shall be low-voltage digital systems from one of the following manufacturers: nLight, Wattstopper, or Lutron. Lighting control systems shall have the ability to be networked together and controlled via the building automation system if so required by the owner.

Offices, Break/Workout

Lighting controls in these spaces will consist of wall box type occupancy sensors with manual on/off control. The wall box occupancy sensor will be provided at the door and programmed as a vacancy switch (lights will not be switched on automatically via the occupancy sensor). Occupancy sensors will be set to switch all lights completely off if movement is not detected within 5 minutes. All dimming will be continuous via LED driver in each light fixture.

Waiting and Reception

Lighting controls will consist of ceiling-mounted occupancy sensors with the wall on/off control located near the reception desk. Occupancy sensors will be set to switch all lights on when motion is detected and to switch all lights completely off if movement is not detected within 15 minutes. Emergency lighting will be required in these spaces.

Training and Test Kitchen

Lighting controls in these spaces will consist of wall box type occupancy sensors with manual on/off control. The wall box occupancy sensor will be provided at the door and programmed as a vacancy switch (lights will not be switched on automatically via the occupancy sensor). Occupancy sensors will be set to switch all lights completely off if movement is not detected within 15 minutes. All dimming will be continuous via LED driver in each light fixture. Lighting control zones and daylight harvesting with variable dimming shall be employed in these two spaces. Emergency lighting will be required in these spaces.

Electrical, Fire Riser, and IT Rooms

Lighting controls in these rooms will consist of single-pole switch. This space will not have automatic shut-off as this would endanger the occupants. Digital timer switches could be utilized and will be evaluated as design progresses.

Unloading/Staging

Lighting controls in these spaces will consist of ceiling-mounted occupancy sensors with the wall on/off control. Occupancy sensors will be set to switch all lights on when motion is detected and to switch all lights completely off if movement is not detected within 15 minutes. Emergency lighting will be required in these spaces.

Corridors/Vestibules

Lighting controls in will consist of ceiling-mounted occupancy sensors. Occupancy sensors will be set to switch all lights on when motion is detected and to switch all lights completely off if movement is not detected within 5 minutes. Emergency lighting will be required in these spaces.

Storage Rooms and Custodial

Lighting controls in these spaces will consist of wall box type occupancy sensors with manual on/off control or ceiling-mounted occupancy sensors with the wall on/off control. Occupancy sensors will be set to switch all lights on when motion is detected and to switch all lights completely off if movement is not detected within 5 minutes.

Restrooms

Lighting controls in will consist of ceiling-mounted occupancy sensors. Occupancy sensors will be set to switch all lights on when motion is detected and to switch all lights completely off if movement is not detected within 15 minutes. Emergency lighting will be required in these spaces.

Exterior-Mounted Building Lights

All exterior lighting circuits shall be run through a low voltage relay panel or provided with integral photo sensors.

Fire Alarm System

The fire alarm system shall be digital, addressable system (Fire Control Instruments or other system as approved by the Owner) and shall comply with all NFPA requirements. The fire alarm panel shall be connected to the campus fiber Class A loop (if campus wide Fire Alarm Fiber is present at the location). Annunciator panel shall be required.

Strobes in combination with horns shall be installed in corridors, restrooms, training room, open office area, electrical room, IT room, and outside, next to the sprinkler riser location. Notification

appliance circuit panels shall be installed to provide power to the horn-strobe devices associated with that area or wing. It is anticipated that the building will be sprinkled; therefore, pull stations are not required by the IBC; however, we recommend that pull stations be installed at the sprinkler riser location. Duct smoke detector and fan shut down shall be provided where required by the NFPA and the IMC. Smoke detectors shall be provided in all corridors. Carbon monoxide detection and annunciation shall be provided per Fire Marshal requirements.

The fire alarm wiring shall be installed in a Class A loop configuration in metal conduit, minimum size of 3/4". Generally, minimum wire size shall be 16-gauge for audible alarm circuits, and 18-gauge for signal initiation circuits. Strobes shall be wired separately from audible devices.

A fire alarm matrix shall be developed and coordinated with the user and Fire Marshall.

Communications System

Communication/Data Rooms

There shall be one main communication room (MDF). This room shall house the main computer, phone and security equipment that serves the building. One 4" with (3) 1-1/4" inner ducts shall be installed from the MDF room to the Annex Building IT room.

MDF room shall have two-post racks. Number of racks to be coordinated with the Snow College IT Department). Plywood terminal boards should be installed on all walls. Cable tray should be installed around the perimeter of the room for cable management. Provide dedicated power outlets on UPS power for all communication/data equipment located in the room.

Wire Management

Generally, the cable tray shall be routed in corridors/hallways and coordinated with ducts, piping, lighting, and electrical conduits to ensure easy access in and out of the tray when construction is complete. It is anticipated that a 12" wide by 4" deep minimum wire basket style tray should be sufficient. The tray shall be trapeze-hung and seismically braced; center-hung trays are not allowed.

Mechanical fire stop systems should be utilized where the cable tray passes through fire-rated partitions so as to allow for moving, additions, and changes in a flexible and easy manner. Coordination with structural, mechanical, lighting and basket trays shall be done to minimize basket tray offsets. This tray may be used for the communication/data cabling. Video Surveillance System cables shall be permitted to be run in the cable tray. All cables that use the cable tray shall be properly labeled and identified. Where communication/data cabling is run through plenum rated space, the cabling shall be plenum rated. Basket tray shall be maintained continuous as it passes over hard lid ceilings between accessible locations.

An 18" ladder rack style cable tray shall be provided in the MDF room above all telecom racks and shall extend from telecom racks to all four walls.

Communication/Data Raceway Requirements

Each communication/data outlet shall utilize a 4-11/16" X 4-11/16" X 2-1/8" deep junction box with a single-gang mud-ring. A minimum of (1) 1" conduit with a nylon pull rope shall be run from each junction box up the wall, to the nearest cable tray. The conduit system that is provided, shall allow for flexibility and change. These conduit pathways will include appropriately spaced pull boxes located no more than 100 feet apart or at any point where the pathway contains two 90-degree bends (or a total of 180-degrees of bend).

In office locations, provide a minimum of two (2) comm/data outlet locations on opposite walls. In other spaces, provide the required number of locations based on what is needed by the Owner. Exact locations and quantity shall be coordinated with the Owner during the design effort.

Provide telephone outlets for fire alarm panel, building automation system, security system, and other required equipment. Provide junction boxes and raceways for wireless network points. These locations should be in corridors, office area, and training room. A maximum of 50 users per WAP. Some additional locations may be required for exterior wireless capability.

Backbone Fiber Optic Cable

A 12-ST Single Mode fiber optic cable shall be provided from Annex Building IT room to the new MDF room.

Structured Cabling System

The structured cabling system will be provided as indicated in the Communication Cabling Schedule included.

Communications Grounding System

A telecommunications grounding system will be designed to augment the electrical grounding system for communications equipment. This system will minimize electrical surge effects and will lower system ground reference potentials. This will reduce “noise” within communications systems. To achieve these results, a Telecommunications Main Grounding Busbar (TMGB) will be installed in the MDF room that is tied to the IBT in the main electrical room.

Identification of Cabling Systems

All installed cabling and associated structured cabling system components will be labeled in accordance with the Owner’s requirements.

Communications Responsibility Matrix and Communications Cabling Schedule

COMMUNICAITONS RSPONSIBILITY MATRIX				
Item	Furnished by		Installed By	
	Owner	Contractor	Owner	Contractor
Fiber Optic Cable		X		X
Wireless Access Points	X			X
Servers, Switches, and Active Equipment	X		X	
Rack Mounted UPS	X		X	
Rack Power Distribution Units (PDFs)		X		X
Telecom Racks		X		X
Cable Management		X		X
Patch Cords	X		X	
Faceplates, Jacks, Cabling, etc.		X		X
Fiber and Copper Patch Panels		X		X
Horizontal Cabling		X		X
Building Entrance Protectors		X		X
Labeling		X		X
Inner Ducts		X		X
Cable Trays		X		X
Conduits, Boxes, Conduit Support, etc.		X		X
Grounding and Bonding		X		X
Plywood Telephone Board		X		X

COMMUNICATIONS CABLING SCHEDULE						
Data Devices	Category	# of Cables	Jacket Color	Jack Color	Cable Type	Cable Rating
Data Outlets	Cat 6A	2	Blue	Black	U/UTP	Plenum
Wireless Access Points	Cat 6A	2	White	White	U/UTP	Plenum
CCTV Cameras	Cat 6A	2	Green	Green	U/UTP	Plenum

Video Surveillance System

The building will have video surveillance on the exterior and in designated portions of the interior. Refer to the attached riser diagram for additional information.

Access Controls and Intrusion Detection Systems

A facility wide Access Control (ACC) and Intrusion Detection (ID) systems will be provided to control access in and out of the facility as well as spaces within the facility. The ACC shall be RHB system while the ID system shall be DSC MAXSYS system. A 2" conduit with 4-wire 18-gauge ID cable shall be extended from the new MDF room to the existing Maintenance Building ID system headend. ACC and ID cabling and wiring shall be installed in conduits from

Both systems shall be fully furnished and installed by the project contractor. Refer to the attached riser diagram for additional information.

Audio and Video Systems

Test Kitchen and Training rooms: These rooms will have an Audio Enhancement sound system. This system includes ceiling speakers that projects audio from a wireless microphone system as well as a computer input (located at teacher's island). The sound systems in these rooms may be able to combine or separate as needed. The video system includes four displays that will be mounted up high. These displays can project a feed from a ceiling mounted camera, located above the teacher's island, as well as a feed from the teacher's computer. These rooms will each have a control station to control their AV systems.

Signage: Four displays will be installed to project a signage program. These monitors will be installed in the break/workout room (2 displays), the small break room (1 display), and the reception desk (1 display).

Office: A touch screen monitor will be installed in an office.

All the displays will be supplied by the owner and installed by the contractor.

Sustainable Systems

Photovoltaic System

The electrical service will be prepared for future Photovoltaic system. A spare 4" conduit shall be run from main switchboard 'MSB' to the roof area. 'MSB' bus shall be upsized as needed to accommodate the future solar system.

Electric Vehicle Charging Stations

Three Electric Vehicle Charging Stations (EVCS) shall be provided on the parking spots near the front door. In addition to the special charging station plugs, standard power plugs shall be provided for flexible use.

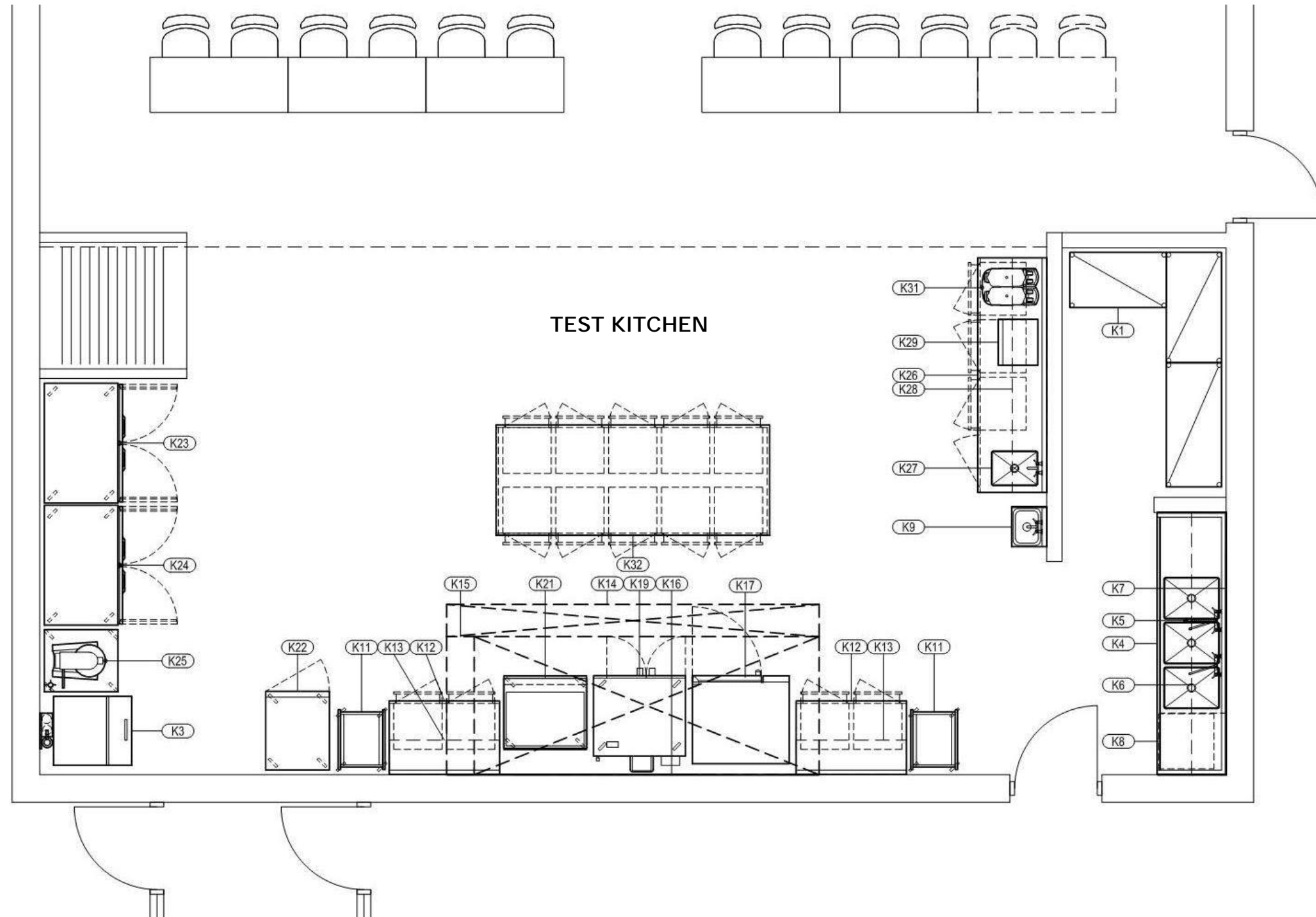
Micro Farm Feature

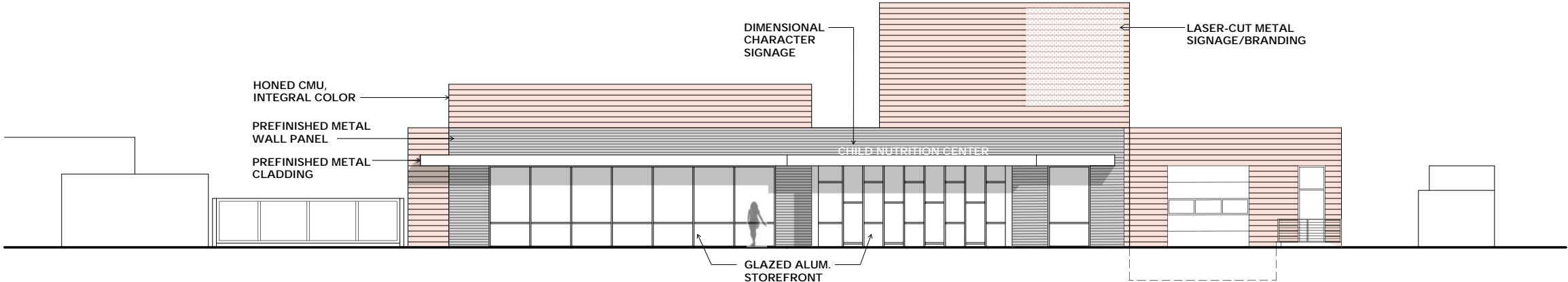
Power shall be provided to the micro farm feature located next to the main vestibule.



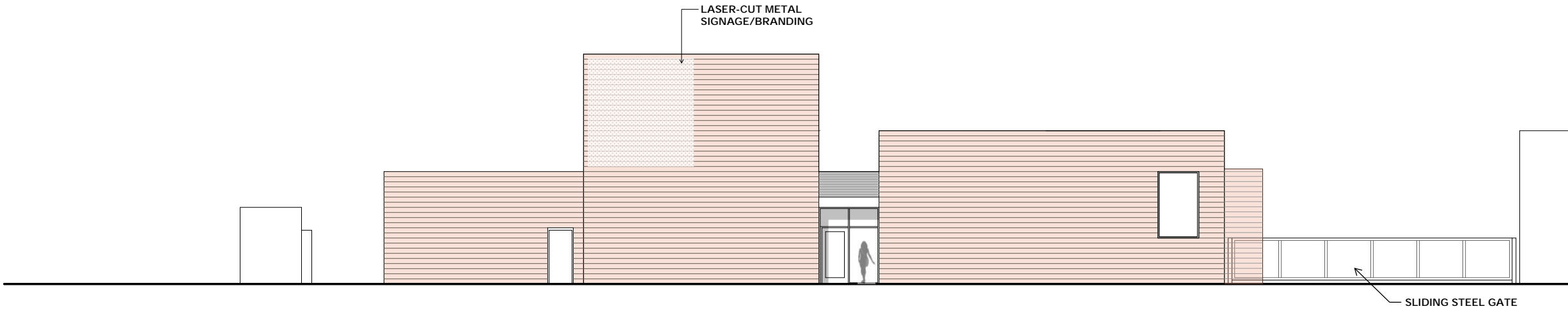
SCHEDULE: FOOD SERVICE EQUIPMENT

ITEM	QTY	UNIT	DESCRIPTION
#K-1	1	LOT	DRY STORAGE SHELVING
#K-2	1	LOT	KITCHEN SHELVING
#K-3	1	EACH	ICE MAKER AND ICE AND BIN
#K-4	1	LOT	STAINLESS STEEL WORK COUNTER/THREE COMPARTMENT SINK
#K-5	1	EACH	LOW PROFILE PRE-RINSE/FAUCET
#K-6	1	LOT	STAINLESS STEEL WALL CABINETS
#K-7	1	LOT	STAINLESS STEEL WALL FLASHING
#K-8	1	EACH	UNDERCOUNTER DISHWASHER
#K-9	1	EACH	WALL MOUNT STAINLESS STEEL HAND SINK
#K-10	-	-	SPARE NUMBER
#K-11	2	EACH	SPEED RACK; MOBILE
#K-12	2	EACH	STAINLESS STEEL WORK COUNTER
#K-13	2	LOT	STAINLESS STEEL WALL CABINETS
#K-14	1	EACH	STAINLESS STEEL EXHAUST HOOD: TYPE I. WITH UTILITY CABINET
#K-15	1	SYS	FIRE PROTECTION SYSTEM
#K-16	1	LOT	STAINLESS STEEL WALL FLASHING
#K-17	1	EACH	COMBI-OVEN; GAS
#K-18	-	-	SPARE NUMBER
#K-19	1	EACH	CONVECTION OVEN; GAS, WITH STAND
#K-20	-	-	SPARE NUMBER
#K-21	1	EACH	SIX BURNER INDUCTION RANGE
#K-22	1	EACH	FOOD WARMING CABINET
#K-23	1	EACH	REACH-IN FREEZER; DOUBLE SECTION
#K-24	1	EACH	REACH-IN REFRIGERATOR; DOUBLE SECTION
#K-25	1	EACH	20 QUART MIXER WITH STAND
#K-26	1	EACH	STAINLESS STEEL WORK COUNTER
#K-27	1	EACH	STAINLESS STEEL UTILITY SINK
#K-28	1	LOT	STAINLESS STEEL WALL CABINETS
#K-29	1	EACH	MICROWAVE OVEN
#K-30	-	-	SPARE NUMBER
#K-31	1	EACH	SMOOTHIE MACHINE
#K-32	1	EACH	STAINLESS STEEL DEMONSTRATION COUNTER

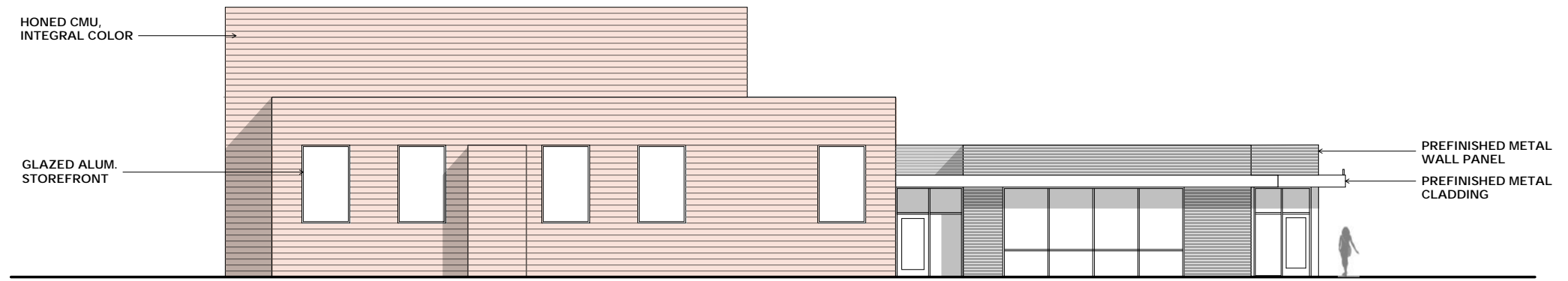




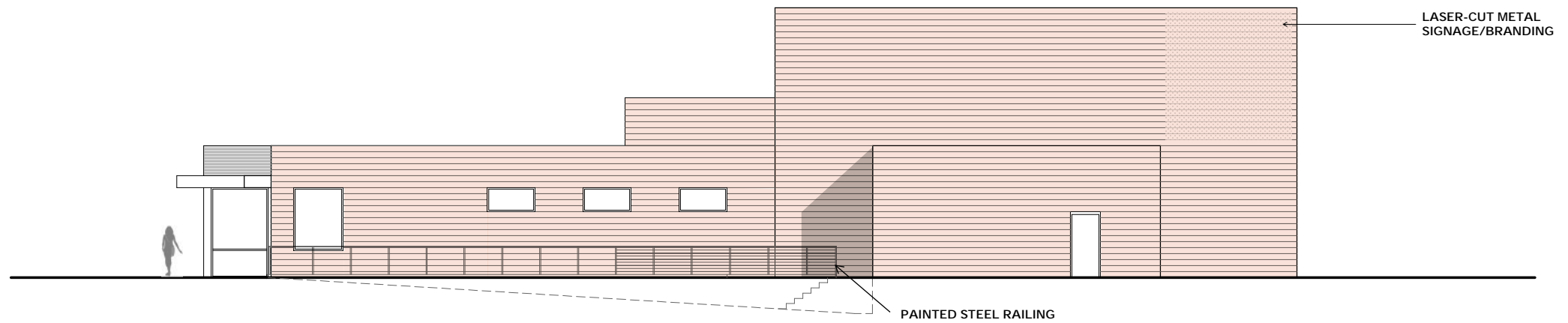
EAST ELEVATION - ENTRY



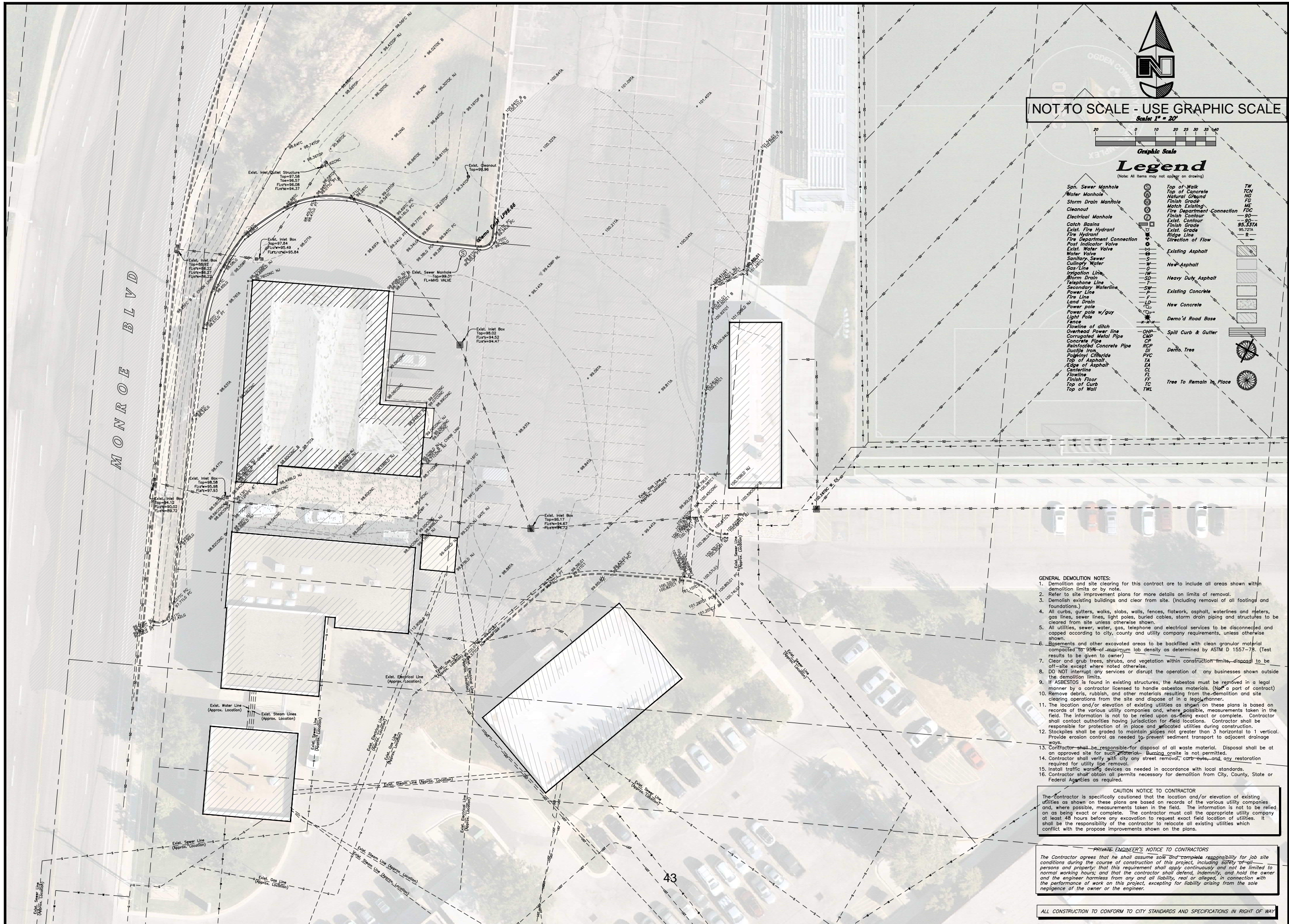
WEST ELEVATION - MONROE BLVD.



SOUTH ELEVATION - MAINTENANCE YARD



NORTH ELEVATION - SERVICE YARD



NOT TO SCALE - USE GRAPHIC SCALE
Scale 1" = 20'



Legend
(Note: All items may not appear on drawing)

San. Sewer Manhole	Top of Walk	TW
Water Manhole	Top of Concrete	WC
Storm Drain Manhole	Natural Ground	NG
Cleanout	Finish Grade	FG
Electrical Manhole	Match Existing	ME
Catch Basins	Fire Department Connection	FDC
Exist. Fire Hydrant	Finish Contour	FC
Fire Hydrant	Exist. Contour	EC
Fire Department Connection	Finish Grade	FG
Post Indicator Valve	Exist. Grade	EG
Exist. Water Valve	Ridge Line	R
Water Valve	Direction of Flow	
Sanitary Sewer	Existing Asphalt	
Culinary Water	New Asphalt	
Gas Line	Heavy Duty Asphalt	
Irrigation Line	Existing Concrete	
Storm Drain	New Concrete	
Telephone Line	Demo'd Road Base	
Power Line	Spill Curb & Gutter	
Land Drain	Demo. Tree	
Power pole w/guy	Tree To Remain in Place	
Light Pole		
Fence		
Twinline of ditch		
Overhead Power line		
Corrugated Metal Pipe		
Concrete Pipe		
Reinforced Concrete Pipe		
Ductile Iron		
Polystyrene Chloride		
Top of Asphalt		
Edge of Asphalt		
Centerline		
Flowline		
Finish Floor		
Top of Curb		
Top of Wall		

- GENERAL DEMOLITION NOTES:**
- Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
 - Refer to site improvement plans for more details on limits of removal.
 - Demolish existing buildings and clear from site. (Including removal of all footings and foundations.)
 - All curbs, gutters, walks, slabs, walls, fences, flatwork, asphalt, waterlines and meters, gas lines, sewer lines, light poles, buried cables, storm drain piping and structures to be cleared from site unless otherwise shown.
 - All utilities, sewer, water, gas, telephone and electrical services to be disconnected and capped according to city, county and utility company requirements, unless otherwise shown.
 - Basements and other excavated areas to be backfilled with clean granular material compacted to 95% of maximum lab density as determined by ASTM D 1557-78. (Test results to be given to owner.)
 - Clear and grub trees, shrubs, and vegetation within construction limits, dispose to be off-site except where noted otherwise.
 - DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
 - If ASBESTOS is found in existing structures, the Asbestos must be removed in a legal manner by a contractor licensed to handle asbestos materials. (Not a part of contract)
 - Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
 - The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
 - Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
 - Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such materials. Bussing onsite is not permitted.
 - Contractor shall verify with city any street removal, curb cuts, and any restoration required for utility line removal.
 - Install traffic warning devices as needed in accordance with local standards.
 - Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.

CAUTION NOTICE TO CONTRACTOR
The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
The Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

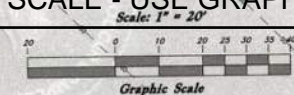
GREAT BASIN ENGINEERING
 5746 SOUTH 1475 EAST, BLDG. 1, UTAH, 84403
 MAIN (801) 394-4515, S.L.C. (801) 521-0222, FAX (801) 392-7543
 WWW.GREATBASINENGINEERING.COM

Demolition Plan
OSD - Child Nutrition Facility
 1950 Monroe Boulevard
 Ogden, Utah

March 2021
 SHEET NO. **CO**
 21N203

REV	DATE	DESCRIPTION

NOT TO SCALE - USE GRAPHIC SCALE



Legend

(Note: All items may not appear on drawing)

Spn. Sewer Manhole	Top of Walk	TW
Water Manhole	Top of Concrete	TCW
Storm Drain Manhole	Natural Ground	NG
Cleanout	Finish Grade	FG
Electrical Manhole	ME	ME
Catch Basins	Match Existing	FDC
Fire Hydrant	Finish Contour	FC
Fire Department Connection	Exist. Contour	EC
Post Indicator Valve	Exist. Grade	EG
Water Valve	Ridge Line	R
Sanitary Sewer	Direction of Flow	DF
Culinary Water	Existing Asphalt	EA
Gas Line	New Asphalt	NA
Irrigation Line	Heavy Duty Asphalt	HDA
Storm Drain	Existing Concrete	EC
Telephone Line	New Concrete	NC
Secondary Waterline	Demo'd Road Base	DRB
Power Line	Spill Curb & Gutter	SCG
Fire Line	Demol. Tree	DT
Land Drain	Tree To Remain In Place	TRIP
Power pole w/guy		
Light Pole		
Fence		
Flowline of ditch		
Overhead Power line		
Corrugated Metal Pipe		
Concrete Pipe		
Reinforced Concrete Pipe		
Ductile Iron		
Polypropylene		
Top of Asphalt		
Edge of Asphalt		
Centerline		
Flowline		
Finish Floor		
Top of Curb		
Top of Wall		

MONROE BLVD

Demo
Exposure
Maintenance
Building

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

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ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

GREAT BASIN ENGINEERING

5746 SOUTH 1475 EAST CADDEN, UTAH 84403
 MAIN (801)394-4515 S.L.C (801)392-7444
 WWW.GREATBASINENGINEERING.COM

Demolition Plan

OSD - Child Nutrition Facility

1950 Monroe Boulevard
Ogden, Utah

March 2021

SHEET NO. **CO**

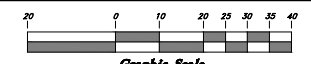
21N203

REV	DATE	DESCRIPTION
1	1/11/21	1/11/21
2	1/11/21	1/11/21

MONROE BLVD

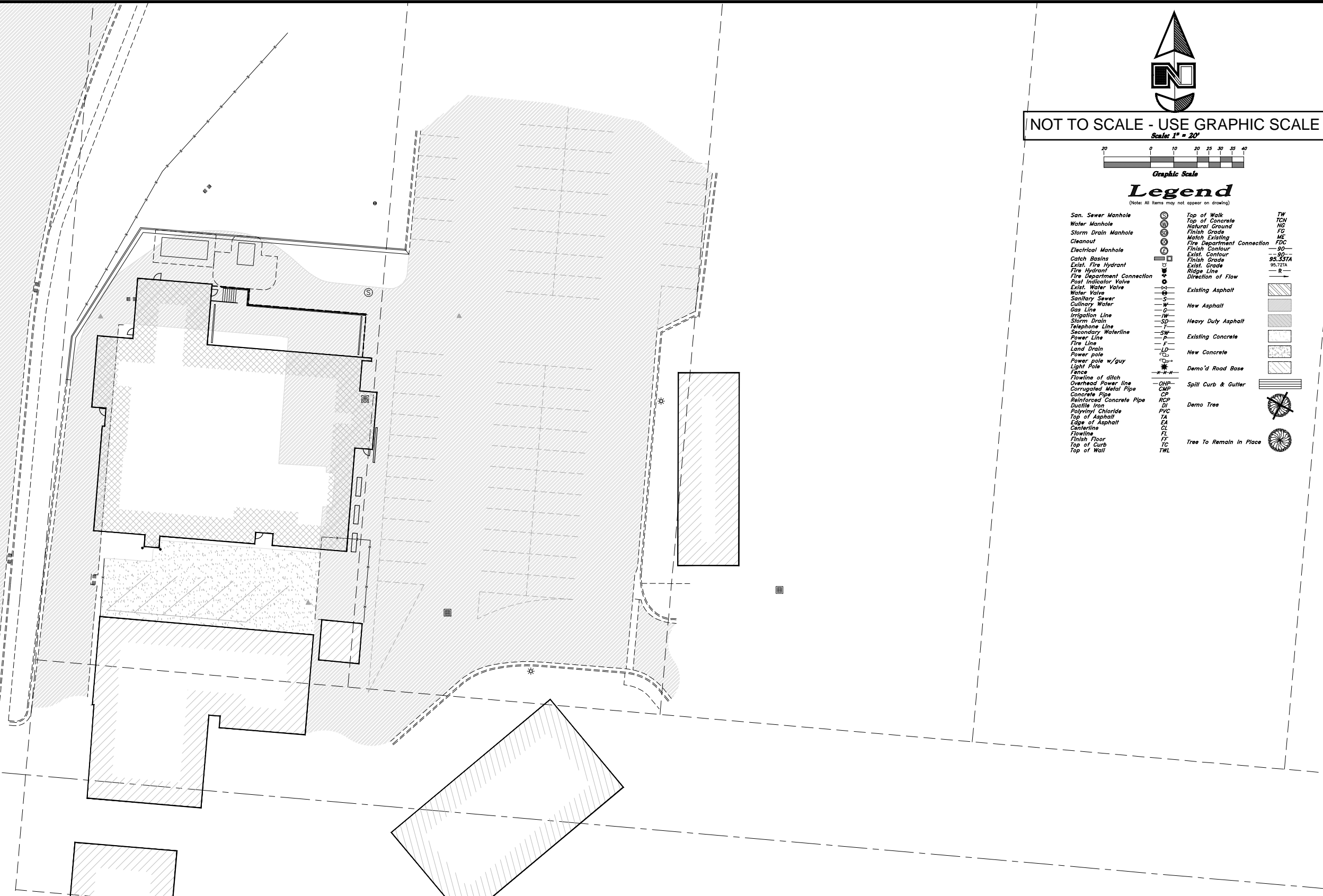


NOT TO SCALE - USE GRAPHIC SCALE
Scale: 1" = 20'



Legend
(Note: All items may not appear on drawing)

San. Sewer Manhole	⊙	Top of Walk	TW
Water Manhole	⊙	Top of Concrete	TCN
Storm Drain Manhole	⊙	Natural Ground	NG
Cleanout	⊙	Finish Grade	FG
Electrical Manhole	⊙	Match Existing	ME
Catch Basins	⊙	Fire Department Connection	FDC
Exist. Fire Hydrant	⊙	Finish Contour	—90—
Fire Hydrant	⊙	Exist. Contour	—90—
Fire Department Connection	⊙	Finish Grade	95.32TA
Post Indicator Valve	⊙	Exist. Grade	95.72TA
Exist. Water Valve	⊙	Ridge Line	R
Water Valve	⊙	Direction of Flow	→
Sanitary Sewer	—S—	Existing Asphalt	[Hatched Pattern]
Culinary Water	—W—	New Asphalt	[Solid Grey]
Irrigation Line	—I—	Heavy Duty Asphalt	[Diagonal Hatched]
Storm Drain	—SD—	Existing Concrete	[Dotted Pattern]
Telephone Line	—T—	New Concrete	[Cross-hatched]
Secondary Waterline	—SW—	Demo'd Road Base	[Diagonal Hatched]
Power Line	—P—	Spill Curb & Gutter	[Double Line]
Fire Line	—F—	Demo Tree	[Circle with X]
Land Drain	—LD—	Tree To Remain in Place	[Circle with Dotted]
Power pole w/guy	⊙		
Light Pole	⊙		
Fence	—X—X—		
Flowline of ditch	—		
Overhead Power line	—OHP—		
Corrugated Metal Pipe	—CMP—		
Concrete Pipe	—CP—		
Reinforced Concrete Pipe	—RCP—		
Ductile Iron	—DI—		
Polyvinyl Chloride	—PVC—		
Top of Asphalt	—YA		
Edge of Asphalt	—EA		
Centerline	—CL		
Flowline	—FL		
Finish Floor	—FF		
Top of Curb	—TC		
Top of Wall	—TWL		



- GENERAL SITE NOTES:
1. Stalls designated as accessible will require a painted accessible symbol and sign. (See Details)
 2. Fire lane markings and signs to be installed as directed by the Fire Marshall.
 3. Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.
 4. Building sidewalks, ramps, and bollards are building contractor responsible items. See architectural plans.
 5. All dimensions are to back of curb unless otherwise noted.

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ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

NO.	DATE	DESCRIPTION

GREAT BASIN ENGINEERING
 5746 SOUTH 1475 EAST, OGDEN, UTAH, 84403
 MAIN (801) 394-4515, S.L.C. (801) 521-0222, FAX (801) 392-7544
 WWW.GREATBASINENGINEERING.COM

Site Plan
OSD - Child Nutrition Facility
 1950 Monroe Boulevard
 Ogden, Utah

March 2021

SHEET NO.
C1
 21N203



NOT TO SCALE - USE GRAPHIC SCALE
Scale: 1" = 20'



Legend

(Note: All items may not appear on drawing)

San. Sewer Manhole	⊙	Top of Walk	TW
Water Manhole	⊙	Top of Concrete	TCN
Storm Drain Manhole	⊙	Natural Ground	NG
Cleanout	⊙	Finish Grade	FG
Electrical Manhole	⊙	Match Existing	ME
Catch Basins	⊙	Fire Department Connection	FDC
Exist. Fire Hydrant	⊙	Finish Contour	—90—
Fire Hydrant	⊙	Exist. Contour	—90—
Fire Department Connection	⊙	Finish Grade	FG
Post Indicator Valve	⊙	Exist. Grade	95.337A
Exist. Water Valve	⊙	Ridge Line	R
Water Valve	⊙	Direction of Flow	—>—
Sanitary Sewer	—S—	Existing Asphalt	[Hatched Box]
Culinary Water	—C—	New Asphalt	[Solid Box]
Gas Line	—G—	Heavy Duty Asphalt	[Hatched Box]
Irrigation Line	—I—	Existing Concrete	[Solid Box]
Storm Drain	—SD—	New Concrete	[Solid Box]
Telephone Line	—T—	Demo'd Road Base	[Hatched Box]
Secondary Waterline	—SW—	Spill Curb & Gutter	[Hatched Box]
Power Line	—P—	Demo Tree	[Tree Symbol]
Fire Line	—F—	Tree To Remain in Place	[Tree Symbol]
Land Drain	—LD—		
Power pole w/guy	⊙		
Light Pole	⊙		
Fence	—F—		
Flowline of ditch	—D—		
Overhead Power line	—OP—		
Corrugated Metal Pipe	—CMP—		
Concrete Pipe	—CP—		
Reinforced Concrete Pipe	—RCP—		
Ductile Iron	—DI—		
Polyvinyl Chloride	—PVC—		
Top of Asphalt	TA		
Edge of Asphalt	EA		
Centerline	CL		
Flowline	FL		
Finish Floor	FF		
Top of Curb	TC		
Top of Wall	TWL		

MONROE BLVD

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

- GENERAL SITE NOTES:**
1. Stalls designated as accessible will require a pointed accessible symbol and sign. (See Details)
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ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

GREAT BASIN ENGINEERING

5746 SOUTH 1475 EAST OGDEN, UTAH 84403
 MAIN (801)394-4515 S.L.L.C.(801)521-0222 FAX (801)394-4441
 WWW.GREATBASINENGINEERING.COM

Site Plan

OSD - Child Nutrition Facility

1950 Monroe Boulevard
Ogden, Utah

March 2021

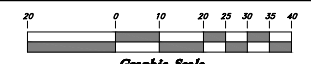
SHEET NO. **C1**

21N203

MONROE BLVD



NOT TO SCALE - USE GRAPHIC SCALE
Scale: 1" = 20'



Legend

(Note: All items may not appear on drawing)

San. Sewer Manhole	⊙	Top of Walk	TW
Water Manhole	⊙	Top of Concrete	TC
Storm Drain Manhole	⊙	Natural Ground	NG
Cleanout	⊙	Finish Grade	FG
Electrical Manhole	⊙	Match Existing	ME
Catch Basins	⊙	Fire Department Connection	FDC
Fire Hydrant	⊙	Finish Contour	-90-
Fire Department Connection	⊙	Exist. Contour	-93-
Post Indicator Valve	⊙	Finish Grade	95.33TA
Exist. Water Valve	⊙	Exist. Grade	95.72TA
Water Valve	⊙	Ridge Line	R
Sanitary Sewer	—	Direction of Flow	→
Culinary Water	—	Existing Asphalt	[Hatched]
Irrigation Line	—	New Asphalt	[Hatched]
Gas Line	—	Heavy Duty Asphalt	[Hatched]
Storm Drain	—	Existing Concrete	[Hatched]
Telephone Line	—	New Concrete	[Hatched]
Secondary Waterline	—	Demo'd Road Base	[Hatched]
Power Line	—	Spill Curb & Gutter	[Hatched]
Fire Line	—	Demo Tree	[Hatched]
Land Drain	—	Tree To Remain in Place	[Hatched]
Power pole w/guy	—		
Light Pole	—		
Fence	—		
Flaming of ditch	—		
Overhead Power line	—		
Corrugated Metal Pipe	—		
Concrete Pipe	—		
Reinforced Concrete Pipe	—		
Ductile Iron	—		
Polyvinyl Chloride	—		
Top of Asphalt	—		
Edge of Asphalt	—		
Centerline	—		
Flowline	—		
Finish Floor	—		
Top of Curb	—		
Top of Wall	—		

- GENERAL GRADING NOTES:**
- All work shall be in accordance with the City Public Works Standard.
 - Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
 - Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
 - Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
 - Areas to receive fill shall be properly prepared and approved by the City Inspector and geotechnical Engineer prior to placing fill.
 - Fills shall be benched into competent material as per specifications and geotechnical report.
 - All trench backfill shall be tested and certified by the site geotechnical engineer per the grading code.
 - A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
 - The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
 - Dust shall be controlled by watering.
 - The location and protection of all utilities is the responsibility of the permittee.
 - Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
 - All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
 - The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
 - The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
 - Aggregate base shall be compacted per the geotechnical report prepared for the project.
 - Elevations shown on this plan are finish grades. Rough grades are the subgrades of the improvements shown hereon.
 - The recommendations in the following Geotechnical Engineering Report by xxxx are included in the requirements of grading and site preparation.
The report is titled "GEOTECHNICAL INVESTIGATION"
Job No.: _____ Address _____
Dated: _____
 - As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
 - Erosion Control: Protect all inlet boxes, catch basins, etc. with straw bales or other approved method to strain the storm water during construction. Protect surrounding properties and streets from site runoff with sandbags and earth berms.
- CURB AND GUTTER CONSTRUCTION NOTES:**
- Open face gutter shall be constructed where drainage is directed away from curb.
 - Open face gutter locations are indicated by shading and notes on site and grading plan.
 - It is the responsibility of the surveyor to adjust top of curb grades at the time construction staking.
 - Refer to the typical details for a standard and open face curb and gutter for dimensions.
 - Transitions between open face and standard curb and gutter are to be smooth. Hand form these areas if necessary.
- ADA NOTES:**
- Contractor must maintain a running slope on Accessible routes no steeper than 5.0% (1:20). The cross slope for Accessible routes must be no steeper than 2.0% (1:50). All Accessible routes must have a minimum clear width of 36". If grades on plans do not meet this requirement notify Consultants immediately.
The Client, Contractor, and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of the ADA and/or FHAA.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

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ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

GREAT BASIN ENGINEERING

5746 SOUTH 1475 EAST, BLDG. 1, UTAH, 84403
 MAIN (801)394-4515, S.L.C. (801)521-0222, FAX (801)392-7544
 WWW.GREATBASINENGINEERING.COM

Grading Plan

OSD - Child Nutrition Facility
 1950 Monroe Boulevard
 Ogden, Utah

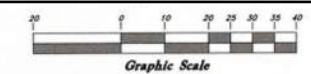
March 2021

SHEET NO. **G2**

21N203



NOT TO SCALE - USE GRAPHIC SCALE
Scale: 1" = 20'



Legend

(Note: All items may not appear on drawing)

San. Sewer Manhole	Top of Concrete	TW
Water Manhole	Natural Ground	TCN
Storm Drain Manhole	Finish Grade	FG
Cleanout	Match Existing	ME
Electrical Manhole	Fire Department Connection	FDC
Catch Basins	Finish Contour	FC
Fire Hydrant	Exist. Contour	EC
Fire Department Connection	Finish Grade	FG
Post Indicator Valve	Exist. Grade	EG
Water Valve	Ridge Line	R
Sanitary Sewer	Direction of Flow	DF
Culinary Water	Existing Asphalt	EA
Gas Line	New Asphalt	NA
Irrigation Line	Heavy Duty Asphalt	HDA
Telephone Line	Existing Concrete	EC
Secondary Waterline	New Concrete	NC
Fire Line	Demo'd Road Base	DRB
Land Drain	Spill Curb & Gutter	SCG
Power pole w/guy	Demo Tree	DT
Light Pole	Tree To Remain in Place	TRIP
Fence		
Flowline of ditch		
Overhead Power line		
Corrugated Metal Pipe		
Concrete Pipe		
Reinforced Concrete Pipe		
Ductile Iron		
Polyvinyl Chloride		
Top of Asphalt		
Edge of Asphalt		
Centerline		
Flowline		
Finish Floor		
Top of Curb		
Top of Wall		

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

- GENERAL GRADING NOTES:**
- All work shall be in accordance with the City Public Works Standard.
 - Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
 - Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
 - Fill shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
 - Areas to receive fill shall be properly prepared and approved by the City Inspector and geotechnical Engineer prior to placing fill.
 - Fill shall be benched into competent material as per specifications and geotechnical report.
 - All trench backfill shall be tested and certified by the site geotechnical engineer per the grading code.
 - A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
 - The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
 - Dust shall be controlled by watering.
 - The location and protection of all utilities is the responsibility of the permittee.
 - Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
 - All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
 - The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
 - The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
 - Aggregate base shall be compacted per the geotechnical report prepared for the project.
 - Elevations shown on this plan are finish grades. Rough grades are the subgrade of the improvements shown hereon.
 - The recommendations in the following Geotechnical Engineering Report by xxxx are included in the requirements of grading and site preparation.
The report is titled "GEOLOGICAL INVESTIGATION"
Job No.: _____
Address: _____
Dated: _____
 - As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
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 WWW.GREATBASINENGINEERING.COM

Grading Plan

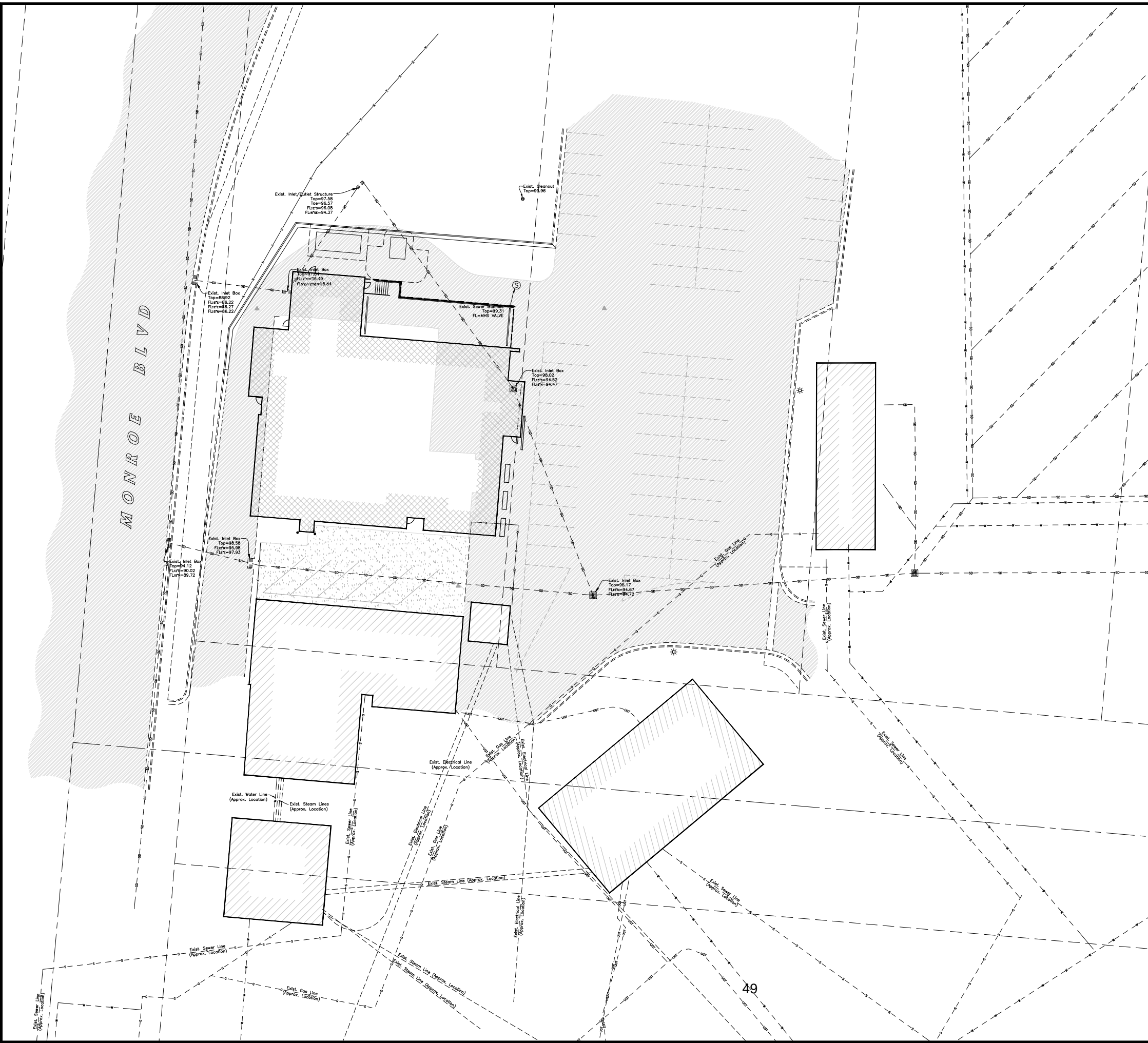
OSD - Child Nutrition Facility

1950 Monroe Boulevard
Ogden, Utah

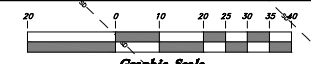
March 2021

SHEET NO. **C2**

21N203



NOT TO SCALE - USE GRAPHIC SCALE
Scale 1" = 20'



Legend
(Note: All items may not appear on drawing)

San. Sewer Manhole	Top of Walk	TW
Water Manhole	Top of Concrete	WC
Storm Drain Manhole	Natural Ground	NG
Cleanout	Finish Grade	FG
Electrical Manhole	Match Existing	ME
Catch Basins	Fire Department Connection	FDC
Fire Hydrant	Finish Contour	FC
Fire Department Connection	Exist. Contour	EC
Post Indicator Valve	Thick Grade	90
Water Valve	Thin Grade	90
Sanitary Sewer	Exist. Grade	95.35TA
Culinary Water	Ridge Line	95.72TA
Gas Line	Direction of Flow	R
Irrigation Line	Existing Asphalt	
Storm Drain	New Asphalt	
Telephone Line	Heavy Duty Asphalt	
Secondary Waterline	Existing Concrete	
Power Line	New Concrete	
Fire Line	Demo'd Road Base	
Land Drain	Spill Curb & Gutter	
Power pole w/guy	Demo. Tree	
Light Pole	Tree To Remain in Place	
Fence		
Flowline of ditch		
Overhead Power line		
Corrugated Metal Pipe		
Concrete Pipe		
Reinforced Concrete Pipe		
Ductile Iron		
Polyvinyl Chloride		
Top of Asphalt		
Edge of Asphalt		
Centerline		
Flowline		
Finish Floor		
Top of Curb		
Top of Wall		

GENERAL UTILITY NOTES:

- Coordinate all utility connections to building with plumbing plans and building contractor.
- Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
- All catch basin and inlet box grates are to be bicycle proof.
- All inlet boxes located in curb and gutter are to be placed parallel to the curb and gutter and set under the frame and grate. Improperly placed boxes will be removed and replaced with new catch basins or inlet boxes in place of curb and gutter.
- Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
- Gas lines, telephone lines, and cable TV lines are not a part of these plans unless otherwise noted.
- Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
- Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible to construct any vertical adjustments necessary to clear sewer, storm drain or other utilities as necessary including valve boxes and hydrant spools to proper grade.
- Field verify all existing and/or proposed Roof Drain/Roof Drain down spout connections to Storm Water System with Civil, Plumbing & Architectural plans. Notify Engineer of any discrepancies.
- All gravity utility lines shall be installed prior to any pressurized utilities unless written permission is obtained from the engineer of record before construction begins.

UTILITY PIPING MATERIALS:

All piping to be installed per manufacturers recommendations. Refer to project specification for more detailed information regarding materials, installation, etc.

CULINARY SERVICE LATERALS

- 3/4" to 2" diameter pipe - copper tube ASTM B, Type K, Soft Temper
- Over 2" diameter pipe - AWWA C-900 Class 150 pipe

WATER MAIN LINES AND FIRE LINES

- Pipe material as shown on utility plan view or to meet city standards.

SANITARY SEWER LINES

- All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D 3034, Type PSM, SDR 35

STORM DRAIN LINES

- 12" pipes or smaller - Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35
- 12" or larger - Reinforced Concrete Pipe, ASTM C76, Class III up to 13' of cover, Class IV for 13' to 21' of cover, Class V for 21' to 32' of cover, and Special Design for cover greater than 32 feet.

NATURAL GAS SERVICE LATERALS (QUESTAR)

- PLASTIC PIPING MATERIAL: Plastic polyethylene pipe materials and compression couplings must be approved for natural gas applications and must be installed underground. All plastic pipe and fittings must conform to ASTM D2513 (60 psi and above-high density pipe approved 3408).

- Plastic pipe must be joined by individuals qualified in the heat fusion method of connecting pipe and fittings or approved mechanical fittings. A minimum number 18 insulated yellow copper tracer wire shall be installed with underground nonmetallic gas piping and shall terminate above grade at each end. Tracer wire shall not come in contact with plastic piping.

- Risers and prefabricated risers inserted with plastic pipe shall conform to ASTM D2513, shall be metallic, have a space of 10 inches from the bottom of the service valve and grade, and shall be wrapped or coated to a point at least 6 inches above grade or protected in an approved manner. When a riser connects underground to plastic pipe, the underground horizontal metallic portion of the riser shall extend at least 12 inches before connecting to the plastic pipe by means of an approved transition fitting, adapter or heat fusion.

- Plastic pipe used underground for customer fuel lines must be approved polyethylene material and be buried a minimum of 12 inches. It shall not be used inside buildings or above ground. PVC (Polyvinyl Chloride) is not approved for piping systems in Questar Gas's service area. Individual gas lines (metallic or plastic) to single outside appliance (outside-lighting grilles, etc.) shall be installed a minimum of 8 inches below grade, provided such installation is approved and installed in locations not susceptible to physical damage.

CAUTION NOTICE TO CONTRACTOR

The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the proposed improvements shown on the plans.

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OSD - Child Nutrition Facility
 1950 Monroe Boulevard
 Ogden, Utah

Topographical Survey

March 2021

SHEET NO. **T**

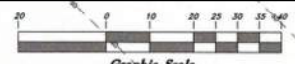
21N203

REV	DATE	DESCRIPTION

MONROE BLVD



NOT TO SCALE - USE GRAPHIC SCALE
Scale: 1" = 20'



Legend

(Note: All items may not apply on drawing)

San. Sewer Manhole	Top of Walk	TW
Water Manhole	Top of Concrete	TC
Natural Ground	MC	MC
Storm Drain Manhole	Finish Grade	FG
Cleanout	Match Existing	ME
Electrical Manhole	Fire Department Connection	FDC
Catch Basins	Finish Contour	FC
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Secondary Waterline	Demo'd Road Base	DRB
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Power pole w/guy	Demo. Tree	DT
Light Pole	Tree To Remain In Place	TRIP
Fence		
Flowline of ditch		
Overhead Power Line		
Corrugated Metal Pipe		
Concrete Pipe		
Reinforced Concrete Pipe		
Ductile Iron		
Reinforced Culvert		
Top of Asphalt		
Edge of Asphalt		
Centerline		
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 - All gravity flow utility lines shall be installed prior to any pressurized utilities unless written permission is obtained from the engineer of record before construction begins.

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1475 EAST OGDEN, UTAH 84403
 SALT LAKE CITY, UTAH 84143
 PH: 801.466.0222 FAX: 801.952.7544
 WWW.GREATBASINENGINEERING.COM

Topographical Survey

OSD - Child Nutrition Facility

1950 Monroe Boulevard
 Ogden, Utah

March 2021

SHEET NO.

T

21N203

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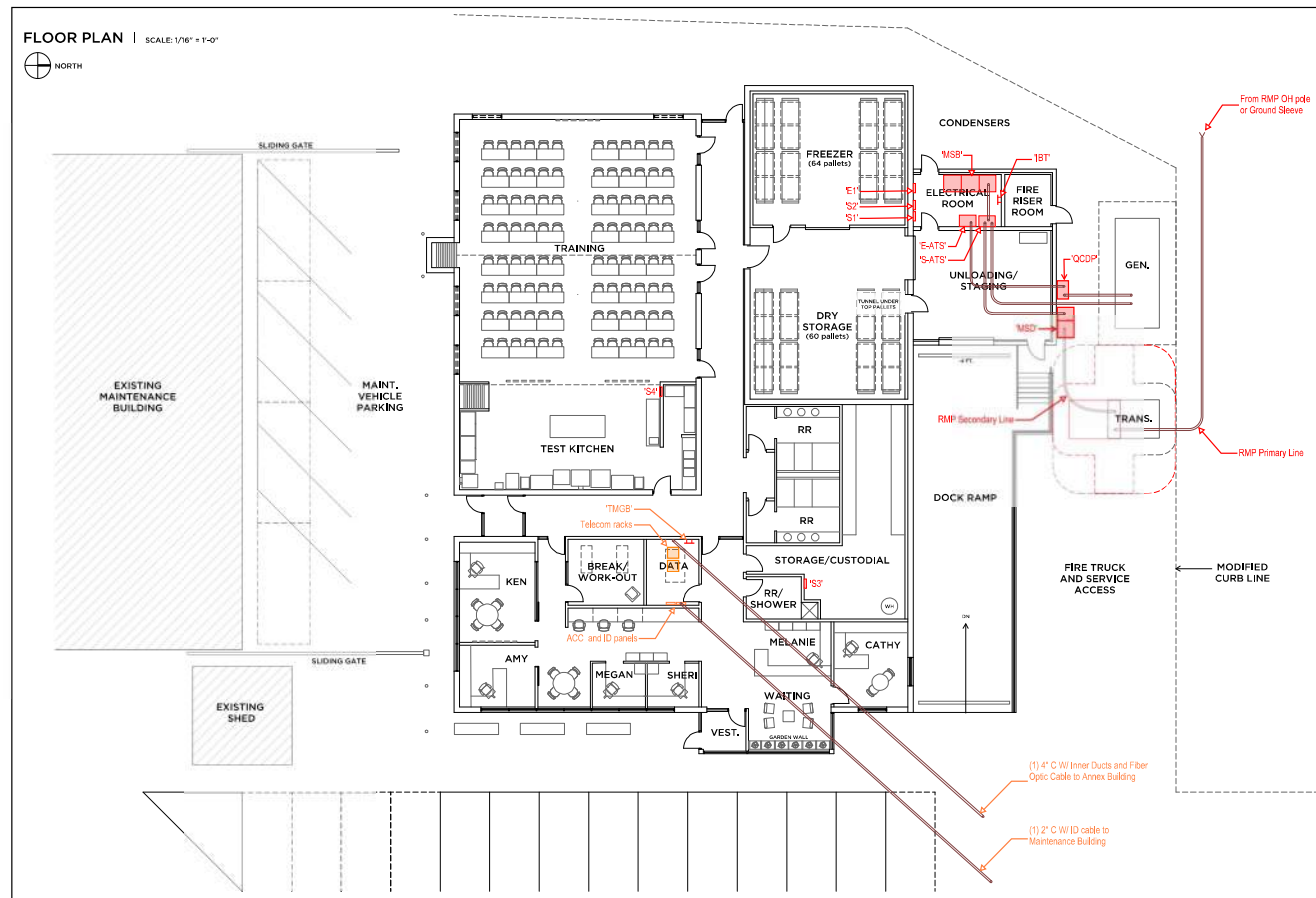
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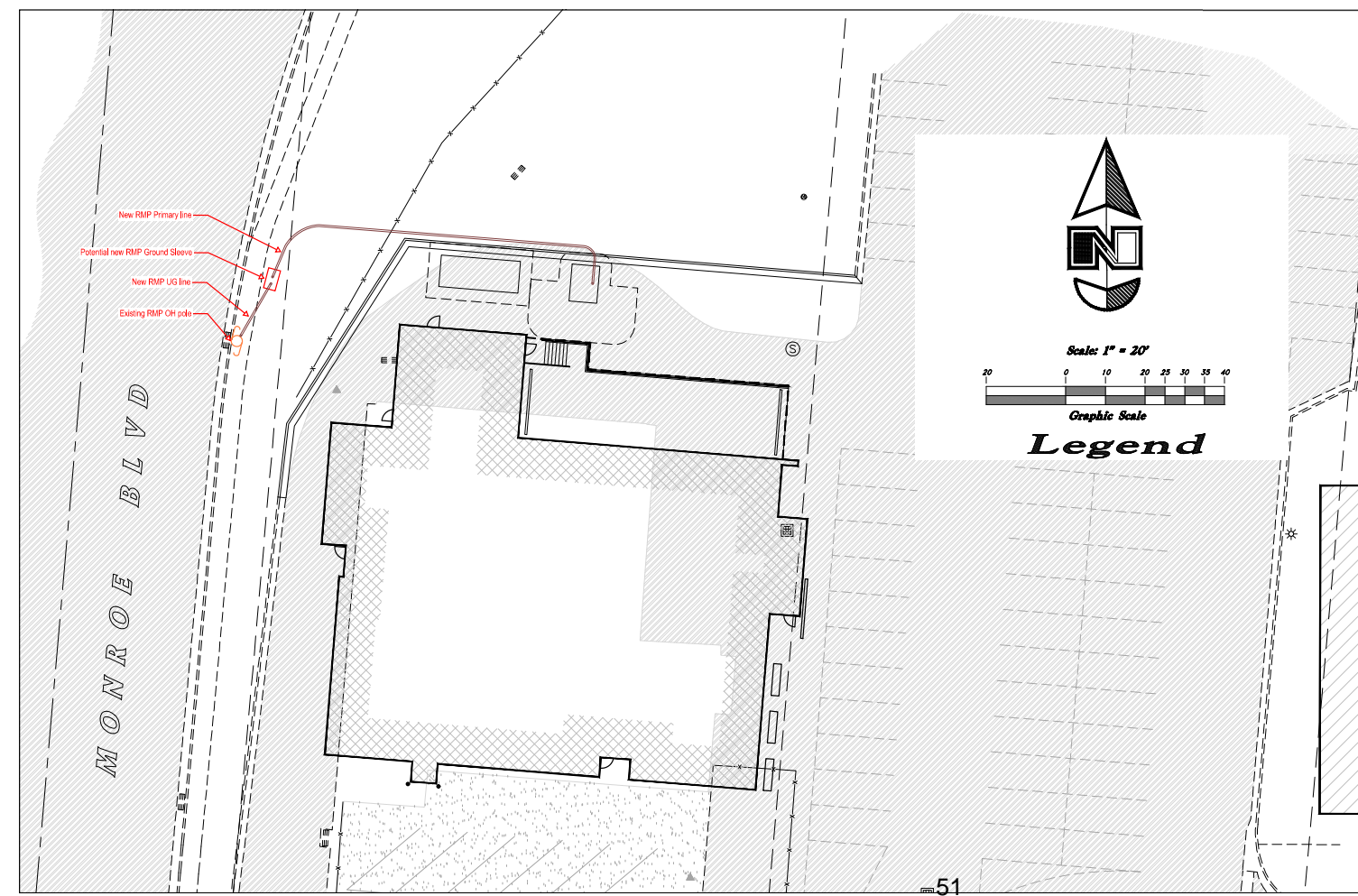
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- POWER GENERAL NOTES:**
- ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
 - THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.

KEYED NOTES #

NOT TO SCALE



OSD CHILD NUTRITION FACILITY

Ogden School District
 Enter address here
 Project Status

No.	Description	Date
-----	-------------	------

ISSUE:	Project Status
DATE:	Issue Date
DRAWN BY:	Author
DESIGNED BY:	Designer
CHECKED BY:	Checker
PROJECT NO.:	Project Number
ENVISION PROJECT NO.:	

SITE AND FLOOR PLANS - POWER

EP101

1

2

3

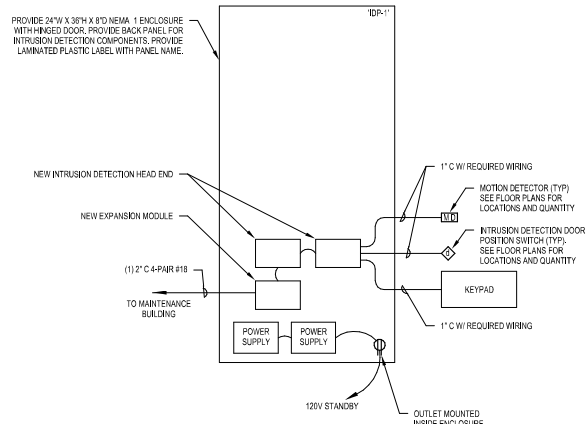
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5

6

INTRUSION DETECTION SYSTEM NOTES:

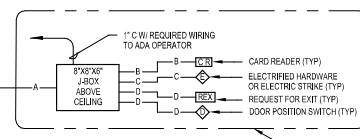
1. PROVIDE DSC MAXSYS INTRUSION DETECTION SYSTEM (MATCH EXISTING).
2. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF ALL MOTION DETECTORS WITH OGDEN SCHOOL DISTRICT PRIOR TO ROUGH-IN.
3. OGDEN SCHOOL DISTRICT CONTACT:
BOB BOSCHERT
801-737-8838
bosbert@ogdened.org



ACCESS CONTROL SYSTEM CABLING SCHEDULE

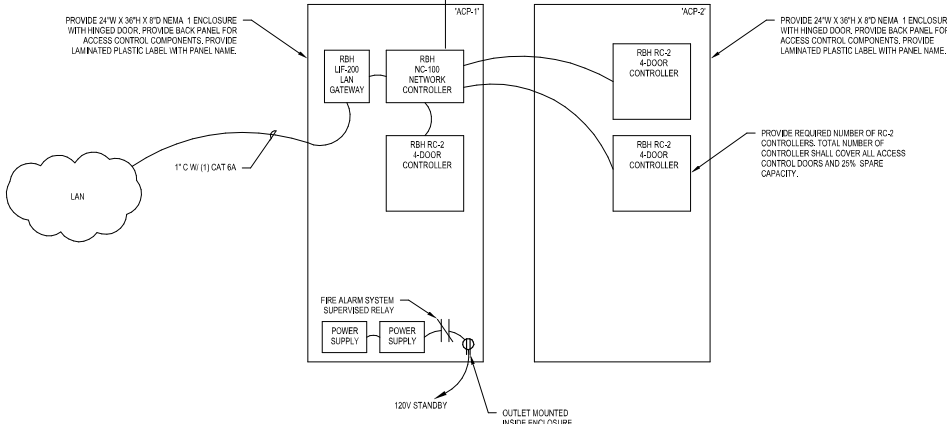
A	1-1/2" C W (2) #22SP TWSP, (4) #222 TWP, (2) #182 TWP, (2) #224 TWP
B	1" C W (2) #22SP TWSP
C	3/4" C W (2) #182 TWP
D	3/4" C W (2) #222 TWP

THESE ARE MINIMUM CABLING REQUIREMENTS. ACCESS CONTROL INSTALLER SHALL PROVIDE CABLING AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM. ON JS CONTRACTOR SHALL COORDINATE CONDUIT SIZES WITH ACCESS CONTROL INSTALLER PRIOR TO ROUGH-IN. INCREASE CONDUIT SIZES AS REQUIRED.



ACCESS CONTROL SYSTEM NOTES:

1. PROVIDE RBH ACCESS CONTROL SYSTEM.
2. CONTRACTOR SHALL PROVIDE A COMPLETE RACEWAY SYSTEM FOR ACCESS CONTROL DEVICES. CONTRACTOR IS RESPONSIBLE TO COORDINATE ROUGH-IN LOCATIONS FOR EACH INDIVIDUAL DOOR WITH ACCESS CONTROL INSTALLER TO ENSURE ROUGH-IN IS IN CORRECT LOCATIONS AND ON CORRECT SIDE OF DOORS.
3. COORDINATE LOCATIONS OF ALL HARDWARE WITH ARCHITECTURAL PLANS AND DOOR HARDWARE SPECIFICATIONS PRIOR TO ROUGH-IN.
4. SUBMIT ACCESS CONTROL ROUGH-IN SHOP DRAWINGS ALONG WITH ACCESS CONTROL SUBMITTALS.
5. ALL ABOVE CEILING JUNCTION BOXES SHALL BE FULLY ACCESSIBLE. JUNCTION BOXES IN AREAS WITH OPEN TO STRUCTURE CEILING SHALL BE PAINTED AS DIRECTED BY ARCHITECT.
6. CONTRACTOR SHALL PROVIDE ADDITIONAL ACCESS CONTROL PANELS AND POWER SUPPLIES AS NEEDED.
7. PROVIDE REQUIRED CABLING FOR ELEVATOR ACCESS CONTROL. COORDINATE WITH ELEVATOR INSTALLER.
8. OGDEN SCHOOL DISTRICT CONTACT:
MIKE HPIWELL
801-737-8820
hpiwell@ogdened.org



3 ACCESS CONTROL AND INTRUSION DETECTION RISER DIAGRAM
SCALE: NTS

TELECOMMUNICATIONS GENERAL NOTES AND GUIDELINES:

- COORDINATION**
1. CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING WITH OWNER'S REPRESENTATIVES AND ELECTRICAL ENGINEER PRIOR TO BEGINNING ANY WORK OR PURCHASING ANY EQUIPMENT.
- GENERAL**
1. ALL TELECOM ROOMS SHALL BE LINED WITH 3/4" A/C OR BETTER PLYWOOD EXTENDING FROM 6" AFF TO 8'-6" AFF. ALL OUTLETS SHALL BE FLUSH WITH THE SURFACE OF THE WOOD AND INSTALLED AT 18" AFF.
 2. ALL BACKBONE AND/OR RISER CONDUITS SHOULD EXTEND 3" FROM THE FLOOR OR CEILING AND NO MORE THAN 2" OFF ANY WALL. CONDUITS SHALL BE THREADED FOR COLLARS AND SPACE ALLOWED FOR BUSHINGS OR CAPS. CONDUITS TO CONCESSIONS TELECOM CABINETS TO BE EXTENDED TO CABINETS.
 3. CONDUIT ROWS SHOULD NOT EXCEED TWO DEEP.
 4. CONDUITS THAT ENTER A TELECOM ROOM SHOULD TERMINATE NEAR THE CORNERS TO ALLOW FOR PROPER RACKING.
 5. ALL PATHWAYS MUST NOT EXCEED 285' FROM THE TELECOM RACK TO THE DATA OUTLET.
 6. ALL PENETRATIONS THROUGH FIRE RATED WALL SHALL BE PROVIDED WITH FIRE RATED PATHWAYS, PUTTY PADS AND FIRE CAULKING SUCH THAT THE WALL RATING IS MAINTAINED. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 7. REFER TO DRAWINGS AND SPECIFICATIONS FOR ALL OUTLET/DEVICE INSTALLATION REQUIREMENTS AND LOCATIONS.

- ACCEPTABLE CONDUIT RUNS**
1. MUST NOT HAVE A BEND OVER 90 DEGREES OR AN AGGREGATE OF BENDS IN EXCESS OF 180 DEGREES BETWEEN PULL POINTS.
 2. CONDUIT SEGMENTS SHALL NOT EXCEED 100' WITHOUT A PULL POINT.
 3. CONDUIT RUNS SHOULD BE LIMITED TO LESS THAN 150'
 4. ALL CONDUITS SHALL BE EQUIPPED WITH A PULL CORD THAT HAS A MINIMUM RATING OF 200LBS.
 5. CONDUIT SHALL BE SIZED PER ANSI/TIA/EIA 568-B, WITH A MINIMUM SIZE OF 1". SEE CONDUIT SIZING SCHEDULE FOR EXACT SIZES REQUIRED.
 6. ALL HORIZONTAL CABLING CONDUIT RUNS SHALL BE SINGLE CONTINUOUS RUNS FROM THE VOICE/DATA OUTLET TO THE NEAREST ACCESSIBLE CEILING SPACE. JUNCTION BOXES ARE ALLOWED IN ACCESSIBLE LOCATIONS ONLY. REFER TO CONDUIT SIZING SCHEDULE FOR ADDITIONAL INFORMATION.
 7. FLEXIBLE METALLIC AND FLEXIBLE NONMETALLIC CONDUIT ARE PROHIBITED.

- PATHWAYS AND CABLE SUPPORT**
1. PATHWAYS MUST HAVE ADEQUATE SUPPORT TO WITHSTAND PULLING THE CABLES.
 2. PATHWAYS SHOULD BE INSTALLED AT LEAST 3" OF CLEAR VERTICAL SPACE ABOVE THE CEILING TILES AND T-BARS TO ENSURE ACCESSIBILITY, AND SHOULD AT NO POINT REST OR BE SUPPORTED BY ANY COMPONENT OF THE SUSPENDED CEILING.
 3. CABLES SHALL BE EXTENDED FROM CONDUITS TO NEAREST CABLE TRAY, TELECOM ROOM, OR TELECOM CABINET.
 4. PROVIDE SLEEVES WHERE CABLES ARE RUN ABOVE INACCESSIBLE CEILING.

- CABLE TRAYS**
1. ALL CABLE TRAYS MUST BE INSTALLED TO MEET NATIONAL AND LOCAL BUILDING CODES.
 2. THE INSIDE OF A CABLE TRAY MUST BE FREE OF BURRS, SHARP EDGES, OR PROJECTIONS THAT CAN DAMAGE THE CABLE DURING INSTALLATION.
 3. ELEVATION CHANGES AND OFFSETS MUST BE KEPT TO A MINIMUM.
 4. TRAY SHOULD EXTEND AT LEAST 1" INTO THE TELECOM ROOM THEN WATERFALL TO LOWER CABLE RUNWAY SYSTEM TO ACCOMMODATE INTERNAL RACKING.
 5. TRAYS SHOULD BE SUPPORTED EVERY 5' AND WITHIN 24" ON EACH SIDE OF A FITTING (UNLESS OTHERWISE NOTED BY THE MANUFACTURER).
 6. ALL METALLIC CABLE TRAYS MUST BE GROUNDING, MARKED AND ALL SECTIONS BONDED IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS AND REGULATIONS.
 7. PATHWAYS SHOULD BE KEPT IN COMMON AREAS AS MUCH AS POSSIBLE TO AVOID FUTURE MAINTENANCE OCCURRING IN PRIVATE WORK AREAS OR CONFERENCE ROOMS.
 8. CABLE TRAYS SHOULD BE SIZED TO BE AT NO MORE THAN 60% FILL (60% FILL OF ALLOWED 50% CABLE TRAY FILL) AT PROJECT COMPLETION. LARGER OR ADDITIONAL CABLE TRAY SHALL BE PROVIDED AS NECESSARY TO MEET THESE REQUIREMENTS.

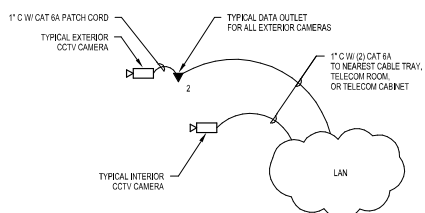
- GROUNDING AND BONDING**
1. PROVIDE 20 MINIMUM BONDING JUMPER TO ALL CONDUITS, RACKS, CABINETS, CABLE TRAYS, LADDER TRAYS, AND OTHER RACEWAY AND EQUIPMENT AS REQUIRED.

- TELECOM RACKS**
1. PROVIDE 2-POST RACKS WITH METAL VERTICAL AND HORIZONTAL CABLE MANAGEMENT (PLASTIC CABLE MANAGEMENT IS NOT ALLOWED). PROVIDE VERTICAL CABLE MANAGEMENT ON BOTH SIDES OF EACH RACK.

CONDUIT SIZING SCHEDULE

TRADE SIZE	TOTAL AREA	TOTAL INTERNAL DIAMETER (IN.)	CABLE OUTSIDE DIAMETER (INCHES) AND MAXIMUM CABLES PER CONDUIT										
			0.13	0.16	0.22	0.24	0.29	0.31	0.37	0.53	0.62		
1"	0.984	0.84	18	10	6	5	4	3	2	1	1	0.82	
1-1/4"	1.496	1.38	32	16	11	9	6	6	4	2	1	1	
1-1/2"	2.036	1.81	43	22	15	13	9	8	5	3	2	2	
2"	3.036	2.68	71	37	25	21	14	12	9	4	3	3	
2-1/2"	3.855	2.731	124	64	43	36	25	22	15	7	5	5	
3"	4.846	3.566	187	97	65	55	37	33	23	11	8	8	
3-1/2"	11.945	3.824	244	127	85	71	49	43	30	15	11	11	
4"	14.753	4.234	311	162	109	91	63	55	38	19	14	14	

1. CHART IS BASED UPON ELECTRICAL METALLIC TUBING (EMT).
2. 1" CONDUIT IS THE MINIMUM SIZE ACCEPTABLE ON THIS PROJECT.
3. CONTRACTOR SHALL ADJUST CONDUIT SIZE BASED UPON APPROVED CABLE TYPE, SIZE AND QUANTITY TO BE INSTALLED.
4. PROVIDE FOR 50% FUTURE CAPACITY IN EACH CONDUIT.
5. NO MORE THAN THREE DATA OUTLETS SHALL BE FED FROM A SINGLE CONDUIT RUN. PROVIDE SEPARATE CAPACITY FOR MORE THAN THREE.
6. THIS TABLE ASSUMES A FILL FACTOR OF 40% AND A MAXIMUM OF (2) 90 DEGREE BENDS BETWEEN PULL POINTS.



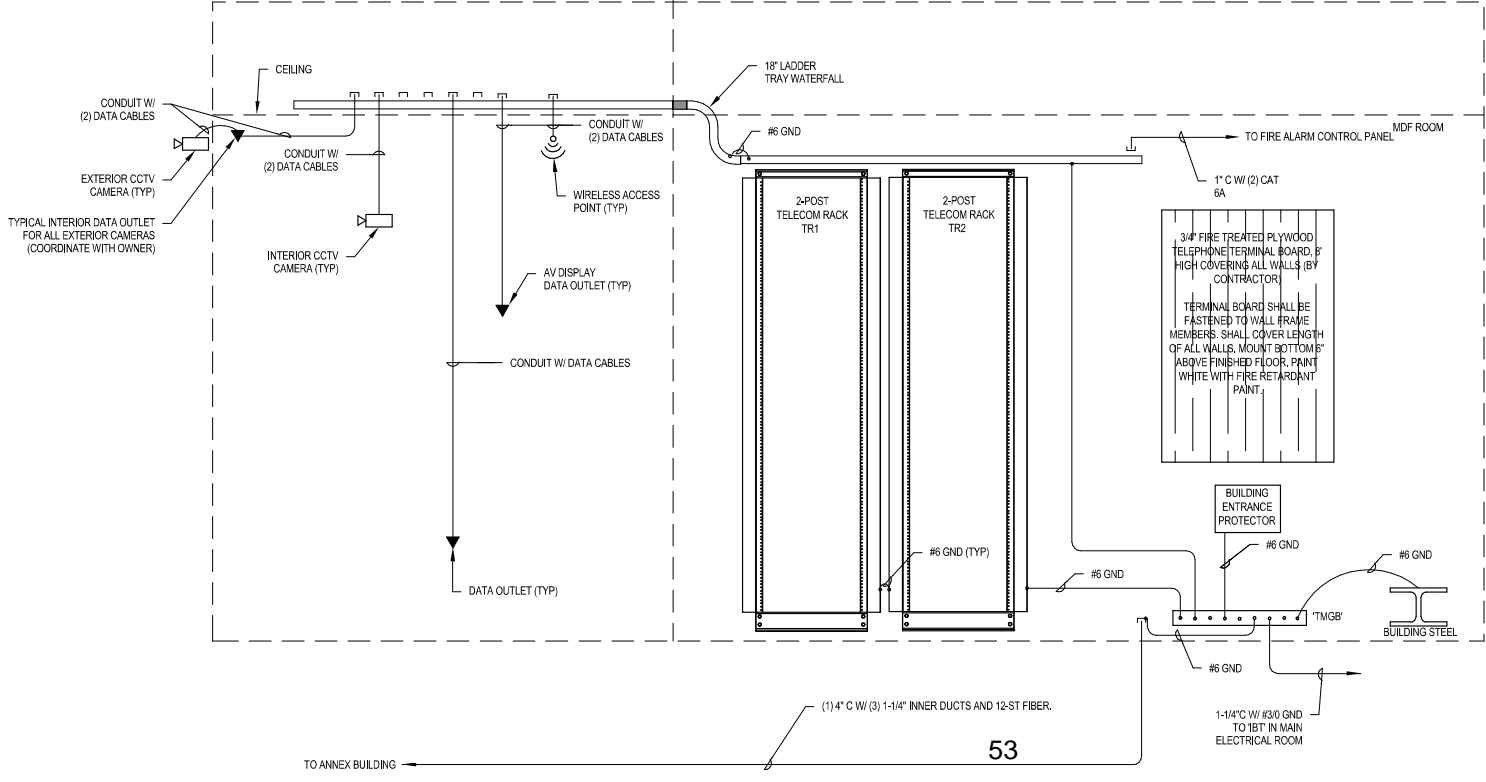
CCTV SYSTEM RESPONSIBILITY MATRIX

ITEM	FURNISHED BY		INSTALLED BY	
	OWNER	CONTRACTOR	OWNER	CONTRACTOR
CCTV NETWORK SWITCHES	X		X	X
NWR EXISTING IN OTHER BUILDING ON CAMPUS	X		X	X
SECURITY CAMERAS	X		X	X
CAMERA MOUNTS	X		X	X
CAMERA WIRE GUARDS	X		X	X
CAMERA LICENSING	X		X	X
CCTV PATCH PANELS		X		X
ALL 4-POST HORIZONTAL CABINETS		X		X
RACEWAY, CONDUITS, CABLE TRAYS, BACK BOXES, ETC.		X		X
LABELING		X		X

CCTV SYSTEM NOTES:

1. COORDINATE LOCATIONS OF ALL CAMERAS WITH OGDEN SCHOOL DISTRICT. PRIOR TO ROUGH-IN.
2. SOME OF THE EXTERIOR CAMERAS WILL BE PROVIDED WITH CORNER MOUNT. COORDINATE WITH OGDEN SCHOOL DISTRICT PRIOR TO ROUGH-IN.
3. OGDEN SCHOOL DISTRICT CONTACT:
MIKE HPIWELL
801-737-8820
hpiwell@ogdened.org

2 VIDEO SURVEILLANCE RISER DIAGRAM
SCALE: NTS



1 TELECOM RISER DIAGRAM
SCALE: NTS



OSD CHILD NUTRITION FACILITY
Ogden School District
Enter address here
Project Status

No.	Description	Date

ISSUE:	Project Status
DATE:	Issue Date
DRAWN BY:	Author
DESIGNED BY:	Designer
CHECKED BY:	Checker
PROJECT NO.:	Project Number
ENVISION PROJECT NO.:	

TELECOM RISER DIAGRAMS

EC701

COST ESTIMATE



OGDEN SCHOOL DISTRICT
1300 9TH STREET
OGDEN, UTAH 84404

CHILD NUTRITION FACILITY

100% SCHEMATIC DESIGN

Project No. 6524

Estimate Date:

June 23, 2021

Revised Date:

September 29, 2021





OGDEN SCHOOL DISTRICT CHILD NUTRITION FACILITY

- I Project Area**

- II Project Documents**

- III Estimate Summaries**
Project Summary

- IV Uniformat Estimate**
Uniformat Summary
Detailed Uniformat Summary
Detailed Uniformat Estimate

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
 Bid Date: **November 1, 2021**
 Revised Date: **September 29, 2021**

PROJECT AREA

Description	New	Renovation (Total GSF)	Total
Sitework Building	10,250 SF	0 SF	10,250 SF

TOTAL	10,250 SF	0 SF	10,250 SF
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Drawings and Specifications

This estimate is based on the Schematic Design Submittal Documents dated June 1, 2021, provided by GSBS Architects, Salt Lake City, Utah and Designer comments. The project title is **"Child Nutrition Facility"** for Ogden School District, Ogden, Utah.

The estimate is provided in Unifomat format and is separated into two (2) locations as follows: 01 Sitework and 02 Building. There are no alternates included as part of this estimate.

All unit prices are inclusive of labor, material, equipment, and the appropriate subcontractors' mark-up. A percentage for estimating contingency, general conditions, overhead & profit, insurance & bond, and escalation is added to the subtotal cost. Any allowances are noted within the estimate.

Assumptions and Clarifications

The following is list of allowances/ inclusions:

1. New Child Nutrition Facility building and associated sitework
2. Demolition of existing storage facility
3. Rough-in for future PV system

We assume the cost for the following will be covered separately or not required for this project:

1. Any unforeseen subterranean conditions or objects
2. Hazardous material abatement
3. Furniture, fixtures, & equipment, unless otherwise noted
4. PV system
5. Soil stabilization
6. Site acquisition cost(s)
7. Soft cost(s)
8. Permit, plans check fees, and utility connection fees
9. Utility company fees
10. Inspection or testing cost(s)

We have included escalation from estimate date to midpoint of construction (05/2/2022) or 10 months at the annual rate of 5%.

The total cost is based on a contractor performing the work in a continuous phase with construction beginning the fourth quarter of 2021.

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
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PROJECT SUMMARY

Description	Quantity	SF	Subtotal Cost	Total Cost	Cost / SF
Sitework			\$914,891	\$1,267,719	
Building	10,250	SF	\$3,408,171	\$4,722,534	\$460.74
<hr/>					
SUBTOTAL	10,250	SF	\$4,323,062	\$5,990,253	\$584.41
Estimating Contingency			15.00% \$648,459		
General Conditions			8.00% \$397,722		
Overhead and Profit			5.00% \$268,462		
Insurance and Bonds			2.00% \$112,754		
Escalation to MP			4.17% \$239,794		
<hr/>					
TOTAL	10,250	SF	\$5,990,253	\$5,990,253	\$584.41

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
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PROJECT UNIFORMAT SYSTEM SUMMARY

Element Level I and II	Subtotal Cost	Total Cost	Cost / SF	Total Cost	Cost / SF
A SUBSTRUCTURE				\$266,717	\$26.02
A10 Foundations	\$192,485	\$266,717	\$26.02		
A20 Basement Construction	\$0	\$0	\$0.00		
B SHELL				\$1,251,432	\$122.09
B10 Superstructure	\$313,980	\$435,067	\$42.45		
B20 Exterior Closure	\$402,305	\$557,454	\$54.39		
B30 Roofing	\$186,852	\$258,912	\$25.26		
C INTERIORS				\$948,256	\$92.51
C10 Interior Construction	\$435,592	\$603,578	\$58.89		
C20 Stairs	\$0	\$0	\$0.00		
C30 Interior Finishes	\$248,748	\$344,678	\$33.63		
D SERVICES				\$1,672,828	\$163.20
D10 Conveying	\$0	\$0	\$0.00		
D20 Plumbing	\$280,178	\$388,229	\$37.88		
D30 HVAC	\$393,790	\$545,655	\$53.23		
D40 Fire Protection	\$40,337	\$55,893	\$5.45		
D50 Electrical	\$492,946	\$683,051	\$66.64		
E EQUIPMENT & FURNISHINGS				\$323,051	\$31.52
E10 Equipment	\$198,881	\$275,580	\$26.89		
E20 Furnishings	\$34,259	\$47,471	\$4.63		
F SPECIAL CONSTRUCTION & DEMOLITION				\$260,250	\$25.39
F10 Special Construction	\$187,818	\$260,250	\$25.39		
F20 Selective Demolition	\$0	\$0	\$0.00		
G BUILDING SITEWORK				\$1,267,719	\$123.68
G10 Site Preparation	\$173,134	\$239,904	\$23.41		
G20 Site Improvements	\$370,937	\$513,989	\$50.15		
G30 Site Civil / Mechanical Utilities	\$148,883	\$206,300	\$20.13		
G40 Site Electrical Utilities	\$221,937	\$307,527	\$30.00		
G90 Other Site Construction	\$0	\$0	\$0.00		
SUBTOTAL	10,250 SF	\$4,323,062	\$584.41	\$5,990,253	\$584.41
Estimating Contingency	15.00%	\$648,459			
General Conditions	8.00%	\$397,722			
Overhead and Profit	5.00%	\$268,462			
Insurance and Bonds	2.00%	\$112,754			
Escalation to MP	4.17%	\$239,794			
TOTAL	10,250 SF	\$5,990,253	\$584.41	\$5,990,253	\$584.41

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
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PROJECT UNIFORMAT SYSTEM SUMMARY

Element Level III	Subtotal Cost	Total Cost	Cost / SF
PAGE 1 OF 2			
A1010 Standard Foundations	\$107,505	\$148,964	\$14.53
A1020 Special Foundations	\$0	\$0	\$0.00
A1030 Slab on Grade	\$84,980	\$117,753	\$11.49
A2010 Basement Excavation	\$0	\$0	\$0.00
A2020 Basement Walls	\$0	\$0	\$0.00
B1010 Floor Construction	\$0	\$0	\$0.00
B1020 Roof Construction	\$313,980	\$435,067	\$42.45
B2010 Exterior Walls	\$336,939	\$466,880	\$45.55
B2020 Exterior Windows	\$37,866	\$52,469	\$5.12
B2030 Exterior Doors	\$27,500	\$38,105	\$3.72
B3010 Roof Coverings	\$163,477	\$226,522	\$22.10
B3020 Roof Openings	\$23,375	\$32,390	\$3.16
C1010 Partitions	\$307,448	\$426,016	\$41.56
C1020 Interior Doors	\$59,704	\$82,729	\$8.07
C1030 Fittings	\$68,440	\$94,834	\$9.25
C2010 Stair Construction	\$0	\$0	\$0.00
C2020 Stair Finishes	\$0	\$0	\$0.00
C3010 Wall Finishes	\$102,253	\$141,687	\$13.82
C3020 Floor Finishes	\$86,564	\$119,947	\$11.70
C3030 Ceiling Finishes	\$59,931	\$83,043	\$8.10
D1010 Elevators and Lifts	\$0	\$0	\$0.00
D1020 Escalators & Moving Walks	\$0	\$0	\$0.00
D1090 Other Conveying Systems	\$0	\$0	\$0.00
D2010 Plumbing Fixtures	\$60,076	\$83,244	\$8.12
D2020 Domestic Water Distribution	\$47,291	\$65,529	\$6.39
D2030 Sanitary Waste	\$69,270	\$95,984	\$9.36
D2040 Rain Water Drainage	\$62,830	\$87,060	\$8.49
D2090 Other Plumbing Systems	\$40,711	\$56,411	\$5.50
D3010 Energy Supply	\$10,801	\$14,966	\$1.46
D3020 Heat Generation	\$0	\$0	\$0.00
D3030 Refrigeration	\$0	\$0	\$0.00
D3040 HVAC Distribution	\$170,453	\$236,188	\$23.04
D3050 Terminal Packaged Units	\$100,644	\$139,457	\$13.61
D3060 HVAC Instrumentation & Cntrls	\$85,209	\$118,070	\$11.52
D3070 Testing, Adjusting and Balance	\$13,773	\$19,085	\$1.86
D3090 Other Special HVAC Systems	\$12,910	\$17,889	\$1.75
D4010 Sprinklers	\$38,416	\$53,231	\$5.19
D4020 Standpipes	\$0	\$0	\$0.00
D4030 Fire Protection Specialties	\$1,921	\$2,662	\$0.26
D4090 Other Fire Protection Systems	\$0	\$0	\$0.00
D5010 Electrical Service and Distribution	\$99,138	\$137,371	\$13.40
D5020 Lighting and Branch Wiring	\$272,630	\$377,770	\$36.86
D5030 Communications and Security	\$95,928	\$132,923	\$12.97
D5090 Other Electrical Systems	\$25,250	\$34,988	\$3.41
E1010 Commercial Equipment	\$0	\$0	\$0.00
E1020 Institutional Equipment	\$0	\$0	\$0.00

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

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PROJECT UNIFORMAT SYSTEM SUMMARY

Element Level III		Subtotal Cost	Total Cost	Cost / SF
PAGE 2 OF 2				
E1030 Vehicular Equipment		\$18,881	\$26,162	\$2.55
E1090 Other Equipment		\$180,000	\$249,417	\$24.33
E2010 Fixed Furnishings		\$34,259	\$47,471	\$4.63
E2020 Movable Furnishings		\$0	\$0	\$0.00
F1010 Special Structures		\$0	\$0	\$0.00
F1020 Integrated Construction		\$187,818	\$260,250	\$25.39
F1030 Special Construction Systems		\$0	\$0	\$0.00
F1040 Special Facilities		\$0	\$0	\$0.00
F1050 Special Controls & Instrumentation		\$0	\$0	\$0.00
F2010 Building Elements Demolition		\$0	\$0	\$0.00
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00
G1010 Site Clearing		\$285	\$395	\$0.04
G1020 Site Demolition & Relocations		\$115,536	\$160,093	\$15.62
G1030 Site Earthwork		\$57,312	\$79,415	\$7.75
G1040 Hazardous Waste Remediation		\$0	\$0	\$0.00
G2010 Roadways		\$0	\$0	\$0.00
G2020 Parking Lots		\$122,663	\$169,969	\$16.58
G2030 Pedestrian Paving		\$5,509	\$7,634	\$0.74
G2040 Site Development		\$235,275	\$326,009	\$31.81
G2050 Landscaping		\$7,489	\$10,377	\$1.01
G3010 Water Supply		\$65,183	\$90,321	\$8.81
G3020 Sanitary Sewer		\$29,645	\$41,078	\$4.01
G3030 Storm Sewer		\$44,496	\$61,656	\$6.02
G3040 Heating Distribution		\$0	\$0	\$0.00
G3050 Cooling Distribution		\$0	\$0	\$0.00
G3060 Fuel Distribution		\$9,559	\$13,245	\$1.29
G3090 Other Site Mechanical Utilities		\$0	\$0	\$0.00
G4010 Electrical Distribution		\$82,104	\$113,767	\$11.10
G4020 Site Lighting		\$26,925	\$37,309	\$3.64
G4030 Site Communications & Security		\$23,505	\$32,570	\$3.18
G4090 Other Site Electrical Utilities		\$89,403	\$123,881	\$12.09
G9010 Service Tunnels		\$0	\$0	\$0.00
G9090 Other Site Systems		\$0	\$0	\$0.00
SUBTOTAL	10,250 SF	\$4,323,062	\$5,990,253	\$584.41
Estimating Contingency	15.00%	\$648,459		
General Conditions	8.00%	\$397,722		
Overhead and Profit	5.00%	\$268,462		
Insurance and Bonds	2.00%	\$112,754		
Escalation to MP	4.17%	\$239,794		
TOTAL	10,250 SF	\$5,990,253	\$5,990,253	\$584.41

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
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**UNIFORMAT SYSTEM SUMMARY
 Sitework**

Element Level I and II	Subtotal Cost	Total Cost	Cost / SF	Total Cost	Cost / SF
A SUBSTRUCTURE				\$0	\$0.00
A10 Foundations	\$0	\$0	\$0.00		
A20 Basement Construction	\$0	\$0	\$0.00		
B SHELL				\$0	\$0.00
B10 Superstructure	\$0	\$0	\$0.00		
B20 Exterior Closure	\$0	\$0	\$0.00		
B30 Roofing	\$0	\$0	\$0.00		
C INTERIORS				\$0	\$0.00
C10 Interior Construction	\$0	\$0	\$0.00		
C20 Stairs	\$0	\$0	\$0.00		
C30 Interior Finishes	\$0	\$0	\$0.00		
D SERVICES				\$0	\$0.00
D10 Conveying	\$0	\$0	\$0.00		
D20 Plumbing	\$0	\$0	\$0.00		
D30 HVAC	\$0	\$0	\$0.00		
D40 Fire Protection	\$0	\$0	\$0.00		
D50 Electrical	\$0	\$0	\$0.00		
E EQUIPMENT & FURNISHINGS				\$0	\$0.00
E10 Equipment	\$0	\$0	\$0.00		
E20 Furnishings	\$0	\$0	\$0.00		
F SPECIAL CONSTRUCTION & DEMOLITION				\$0	\$0.00
F10 Special Construction	\$0	\$0	\$0.00		
F20 Selective Demolition	\$0	\$0	\$0.00		
G BUILDING SITEWORK				\$1,267,719	\$123.68
G10 Site Preparation	\$173,134	\$239,904	\$23.41		
G20 Site Improvements	\$370,937	\$513,989	\$50.15		
G30 Site Civil / Mechanical Utilities	\$148,883	\$206,300	\$20.13		
G40 Site Electrical Utilities	\$221,937	\$307,527	\$30.00		
G90 Other Site Construction	\$0	\$0	\$0.00		
SUBTOTAL	10,250 SF	\$914,891	\$1,267,719	\$123.68	\$1,267,719
Estimating Contingency	15.00%	\$137,234			
General Conditions	8.00%	\$84,170			
Overhead and Profit	5.00%	\$56,815			
Insurance and Bonds	2.00%	\$23,862			
Escalation to MP	4.17%	\$50,748			
TOTAL	10,250 SF	\$1,267,719	\$1,267,719	\$123.68	\$1,267,719

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

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**UNIFORMAT SYSTEM SUMMARY
 Sitework**

Element Level III	Subtotal Cost	Total Cost	Cost / SF
PAGE 1 OF 2			
A1010 Standard Foundations	\$0	\$0	\$0.00
A1020 Special Foundations	\$0	\$0	\$0.00
A1030 Slab on Grade	\$0	\$0	\$0.00
A2010 Basement Excavation	\$0	\$0	\$0.00
A2020 Basement Walls	\$0	\$0	\$0.00
B1010 Floor Construction	\$0	\$0	\$0.00
B1020 Roof Construction	\$0	\$0	\$0.00
B2010 Exterior Walls	\$0	\$0	\$0.00
B2020 Exterior Windows	\$0	\$0	\$0.00
B2030 Exterior Doors	\$0	\$0	\$0.00
B3010 Roof Coverings	\$0	\$0	\$0.00
B3020 Roof Openings	\$0	\$0	\$0.00
C1010 Partitions	\$0	\$0	\$0.00
C1020 Interior Doors	\$0	\$0	\$0.00
C1030 Fittings	\$0	\$0	\$0.00
C2010 Stair Construction	\$0	\$0	\$0.00
C2020 Stair Finishes	\$0	\$0	\$0.00
C3010 Wall Finishes	\$0	\$0	\$0.00
C3020 Floor Finishes	\$0	\$0	\$0.00
C3030 Ceiling Finishes	\$0	\$0	\$0.00
D1010 Elevators and Lifts	\$0	\$0	\$0.00
D1020 Escalators & Moving Walks	\$0	\$0	\$0.00
D1090 Other Conveying Systems	\$0	\$0	\$0.00
D2010 Plumbing Fixtures	\$0	\$0	\$0.00
D2020 Domestic Water Distribution	\$0	\$0	\$0.00
D2030 Sanitary Waste	\$0	\$0	\$0.00
D2040 Rain Water Drainage	\$0	\$0	\$0.00
D2090 Other Plumbing Systems	\$0	\$0	\$0.00
D3010 Energy Supply	\$0	\$0	\$0.00
D3020 Heat Generation	\$0	\$0	\$0.00
D3030 Refrigeration	\$0	\$0	\$0.00
D3040 HVAC Distribution	\$0	\$0	\$0.00
D3050 Terminal Packaged Units	\$0	\$0	\$0.00
D3060 HVAC Instrumentation & Cntrls	\$0	\$0	\$0.00
D3070 Testing, Adjusting and Balance	\$0	\$0	\$0.00
D3090 Other Special HVAC Systems	\$0	\$0	\$0.00
D4010 Sprinklers	\$0	\$0	\$0.00
D4020 Standpipes	\$0	\$0	\$0.00
D4030 Fire Protection Specialties	\$0	\$0	\$0.00
D4090 Other Fire Protection Systems	\$0	\$0	\$0.00
D5010 Electrical Service and Distribution	\$0	\$0	\$0.00
D5020 Lighting and Branch Wiring	\$0	\$0	\$0.00
D5030 Communications and Security	\$0	\$0	\$0.00
D5090 Other Electrical Systems	\$0	\$0	\$0.00
E1010 Commercial Equipment	\$0	\$0	\$0.00
E1020 Institutional Equipment	\$0	\$0	\$0.00

**OGDEN SCHOOL DISTRICT
CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
Estimate Date: **June 23, 2021**
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**UNIFORMAT SYSTEM SUMMARY
Sitework**

Element Level III		Subtotal Cost	Total Cost	Cost / SF
PAGE 2 OF 2				
E1030 Vehicular Equipment		\$0	\$0	\$0.00
E1090 Other Equipment		\$0	\$0	\$0.00
E2010 Fixed Furnishings		\$0	\$0	\$0.00
E2020 Movable Furnishings		\$0	\$0	\$0.00
F1010 Special Structures		\$0	\$0	\$0.00
F1020 Integrated Construction		\$0	\$0	\$0.00
F1030 Special Construction Systems		\$0	\$0	\$0.00
F1040 Special Facilities		\$0	\$0	\$0.00
F1050 Special Controls & Instrumentation		\$0	\$0	\$0.00
F2010 Building Elements Demolition		\$0	\$0	\$0.00
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00
G1010 Site Clearing		\$285	\$395	\$0.04
G1020 Site Demolition & Relocations		\$115,536	\$160,093	\$15.62
G1030 Site Earthwork		\$57,312	\$79,415	\$7.75
G1040 Hazardous Waste Remediation		\$0	\$0	\$0.00
G2010 Roadways		\$0	\$0	\$0.00
G2020 Parking Lots		\$122,663	\$169,969	\$16.58
G2030 Pedestrian Paving		\$5,509	\$7,634	\$0.74
G2040 Site Development		\$235,275	\$326,009	\$31.81
G2050 Landscaping		\$7,489	\$10,377	\$1.01
G3010 Water Supply		\$65,183	\$90,321	\$8.81
G3020 Sanitary Sewer		\$29,645	\$41,078	\$4.01
G3030 Storm Sewer		\$44,496	\$61,656	\$6.02
G3040 Heating Distribution		\$0	\$0	\$0.00
G3050 Cooling Distribution		\$0	\$0	\$0.00
G3060 Fuel Distribution		\$9,559	\$13,245	\$1.29
G3090 Other Site Mechanical Utilities		\$0	\$0	\$0.00
G4010 Electrical Distribution		\$82,104	\$113,767	\$11.10
G4020 Site Lighting		\$26,925	\$37,309	\$3.64
G4030 Site Communications & Security		\$23,505	\$32,570	\$3.18
G4090 Other Site Electrical Utilities		\$89,403	\$123,881	\$12.09
G9010 Service Tunnels		\$0	\$0	\$0.00
G9090 Other Site Systems		\$0	\$0	\$0.00
SUBTOTAL	10,250 SF	\$914,891	\$1,267,719	\$123.68
Estimating Contingency	15.00%	\$137,234		
General Conditions	8.00%	\$84,170		
Overhead and Profit	5.00%	\$56,815		
Insurance and Bonds	2.00%	\$23,862		
Escalation to MP	4.17%	\$50,748		
TOTAL	10,250 SF	\$1,267,719	\$1,267,719	\$123.68

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
 Bid Date: **November 1, 2021**
 Revised Date: **September 29, 2021**

**UNIFORMAT SYSTEM SUMMARY
 Building**

Element Level I and II	Subtotal Cost	Total Cost	Cost / SF	Total Cost	Cost / SF
A SUBSTRUCTURE				\$266,717	\$26.02
A10 Foundations	\$192,485	\$266,717	\$26.02		
A20 Basement Construction	\$0	\$0	\$0.00		
B SHELL				\$1,251,432	\$122.09
B10 Superstructure	\$313,980	\$435,067	\$42.45		
B20 Exterior Closure	\$402,305	\$557,454	\$54.39		
B30 Roofing	\$186,852	\$258,912	\$25.26		
C INTERIORS				\$948,256	\$92.51
C10 Interior Construction	\$435,592	\$603,578	\$58.89		
C20 Stairs	\$0	\$0	\$0.00		
C30 Interior Finishes	\$248,748	\$344,678	\$33.63		
D SERVICES				\$1,672,828	\$163.20
D10 Conveying	\$0	\$0	\$0.00		
D20 Plumbing	\$280,178	\$388,229	\$37.88		
D30 HVAC	\$393,790	\$545,655	\$53.23		
D40 Fire Protection	\$40,337	\$55,893	\$5.45		
D50 Electrical	\$492,946	\$683,051	\$66.64		
E EQUIPMENT & FURNISHINGS				\$323,051	\$31.52
E10 Equipment	\$198,881	\$275,580	\$26.89		
E20 Furnishings	\$34,259	\$47,471	\$4.63		
F SPECIAL CONSTRUCTION & DEMOLITION				\$260,250	\$25.39
F10 Special Construction	\$187,818	\$260,250	\$25.39		
F20 Selective Demolition	\$0	\$0	\$0.00		
G BUILDING SITEWORK				\$0	\$0.00
G10 Site Preparation	\$0	\$0	\$0.00		
G20 Site Improvements	\$0	\$0	\$0.00		
G30 Site Civil / Mechanical Utilities	\$0	\$0	\$0.00		
G40 Site Electrical Utilities	\$0	\$0	\$0.00		
G90 Other Site Construction	\$0	\$0	\$0.00		
SUBTOTAL	10,250 SF	\$3,408,171	\$460.74	\$4,722,534	\$460.74
Estimating Contingency	15.00%	\$511,226			
General Conditions	8.00%	\$313,552			
Overhead and Profit	5.00%	\$211,647			
Insurance and Bonds	2.00%	\$88,892			
Escalation to MP	4.17%	\$189,046			
TOTAL	10,250 SF	\$4,722,534	\$460.74	\$4,722,534	\$460.74

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
 Bid Date: **November 1, 2021**
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**UNIFORMAT SYSTEM SUMMARY
 Building**

Element Level III	Subtotal Cost	Total Cost	Cost / SF
PAGE 1 OF 2			
A1010 Standard Foundations	\$107,505	\$148,964	\$14.53
A1020 Special Foundations	\$0	\$0	\$0.00
A1030 Slab on Grade	\$84,980	\$117,753	\$11.49
A2010 Basement Excavation	\$0	\$0	\$0.00
A2020 Basement Walls	\$0	\$0	\$0.00
B1010 Floor Construction	\$0	\$0	\$0.00
B1020 Roof Construction	\$313,980	\$435,067	\$42.45
B2010 Exterior Walls	\$336,939	\$466,880	\$45.55
B2020 Exterior Windows	\$37,866	\$52,469	\$5.12
B2030 Exterior Doors	\$27,500	\$38,105	\$3.72
B3010 Roof Coverings	\$163,477	\$226,522	\$22.10
B3020 Roof Openings	\$23,375	\$32,390	\$3.16
C1010 Partitions	\$307,448	\$426,016	\$41.56
C1020 Interior Doors	\$59,704	\$82,729	\$8.07
C1030 Fittings	\$68,440	\$94,834	\$9.25
C2010 Stair Construction	\$0	\$0	\$0.00
C2020 Stair Finishes	\$0	\$0	\$0.00
C3010 Wall Finishes	\$102,253	\$141,687	\$13.82
C3020 Floor Finishes	\$86,564	\$119,947	\$11.70
C3030 Ceiling Finishes	\$59,931	\$83,043	\$8.10
D1010 Elevators and Lifts	\$0	\$0	\$0.00
D1020 Escalators & Moving Walks	\$0	\$0	\$0.00
D1090 Other Conveying Systems	\$0	\$0	\$0.00
D2010 Plumbing Fixtures	\$60,076	\$83,244	\$8.12
D2020 Domestic Water Distribution	\$47,291	\$65,529	\$6.39
D2030 Sanitary Waste	\$69,270	\$95,984	\$9.36
D2040 Rain Water Drainage	\$62,830	\$87,060	\$8.49
D2090 Other Plumbing Systems	\$40,711	\$56,411	\$5.50
D3010 Energy Supply	\$10,801	\$14,966	\$1.46
D3020 Heat Generation	\$0	\$0	\$0.00
D3030 Refrigeration	\$0	\$0	\$0.00
D3040 HVAC Distribution	\$170,453	\$236,188	\$23.04
D3050 Terminal Packaged Units	\$100,644	\$139,457	\$13.61
D3060 HVAC Instrumentation & Cntrls	\$85,209	\$118,070	\$11.52
D3070 Testing, Adjusting and Balance	\$13,773	\$19,085	\$1.86
D3090 Other Special HVAC Systems	\$12,910	\$17,889	\$1.75
D4010 Sprinklers	\$38,416	\$53,231	\$5.19
D4020 Standpipes	\$0	\$0	\$0.00
D4030 Fire Protection Specialties	\$1,921	\$2,662	\$0.26
D4090 Other Fire Protection Systems	\$0	\$0	\$0.00
D5010 Electrical Service and Distribution	\$99,138	\$137,371	\$13.40
D5020 Lighting and Branch Wiring	\$272,630	\$377,770	\$36.86
D5030 Communications and Security	\$95,928	\$132,923	\$12.97
D5090 Other Electrical Systems	\$25,250	\$34,988	\$3.41
E1010 Commercial Equipment	\$0	\$0	\$0.00
E1020 Institutional Equipment	\$0	\$0	\$0.00

**OGDEN SCHOOL DISTRICT
 CHILD NUTRITION FACILITY**

Phase: **100% Schematic Design**
 Estimate Date: **June 23, 2021**
 Bid Date: **November 1, 2021**
 Revised Date: **September 29, 2021**

**UNIFORMAT SYSTEM SUMMARY
 Building**

Element Level III		Subtotal Cost	Total Cost	Cost / SF
PAGE 2 OF 2				
E1030 Vehicular Equipment		\$18,881	\$26,162	\$2.55
E1090 Other Equipment		\$180,000	\$249,417	\$24.33
E2010 Fixed Furnishings		\$34,259	\$47,471	\$4.63
E2020 Movable Furnishings		\$0	\$0	\$0.00
F1010 Special Structures		\$0	\$0	\$0.00
F1020 Integrated Construction		\$187,818	\$260,250	\$25.39
F1030 Special Construction Systems		\$0	\$0	\$0.00
F1040 Special Facilities		\$0	\$0	\$0.00
F1050 Special Controls & Instrumentation		\$0	\$0	\$0.00
F2010 Building Elements Demolition		\$0	\$0	\$0.00
F2020 Hazardous Components Abatement		\$0	\$0	\$0.00
G1010 Site Clearing		\$0	\$0	\$0.00
G1020 Site Demolition & Relocations		\$0	\$0	\$0.00
G1030 Site Earthwork		\$0	\$0	\$0.00
G1040 Hazardous Waste Remediation		\$0	\$0	\$0.00
G2010 Roadways		\$0	\$0	\$0.00
G2020 Parking Lots		\$0	\$0	\$0.00
G2030 Pedestrian Paving		\$0	\$0	\$0.00
G2040 Site Development		\$0	\$0	\$0.00
G2050 Landscaping		\$0	\$0	\$0.00
G3010 Water Supply		\$0	\$0	\$0.00
G3020 Sanitary Sewer		\$0	\$0	\$0.00
G3030 Storm Sewer		\$0	\$0	\$0.00
G3040 Heating Distribution		\$0	\$0	\$0.00
G3050 Cooling Distribution		\$0	\$0	\$0.00
G3060 Fuel Distribution		\$0	\$0	\$0.00
G3090 Other Site Mechanical Utilities		\$0	\$0	\$0.00
G4010 Electrical Distribution		\$0	\$0	\$0.00
G4020 Site Lighting		\$0	\$0	\$0.00
G4030 Site Communications & Security		\$0	\$0	\$0.00
G4090 Other Site Electrical Utilities		\$0	\$0	\$0.00
G9010 Service Tunnels		\$0	\$0	\$0.00
G9090 Other Site Systems		\$0	\$0	\$0.00
SUBTOTAL	10,250 SF	\$3,408,171	\$4,722,534	\$460.74
Estimating Contingency	15.00%	\$511,226		
General Conditions	8.00%	\$313,552		
Overhead and Profit	5.00%	\$211,647		
Insurance and Bonds	2.00%	\$88,892		
Escalation to MP	4.17%	\$189,046		
TOTAL	10,250 SF	\$4,722,534	\$4,722,534	\$460.74



**OGDEN SCHOOL DISTRICT
CHILD NUTRITION FACILITY
100% SCHEMATIC DESIGN**

Project name OSD Child Nutrition Fac
Ogden
UT 84404

Client Odgen School District

Architect GSBS Architects

Document 6524 OSD Nutrition_SDr1

Estimator M C

Job size 10250 sf

Bid date 11/1/2021 2:00 PM

Notes ESTIMATE DATE: June 23, 2021

REVISED DATE: September 29, 2021

Report format Sorted by 'Location/Uniformat/Phase'
'Detail' summary
Allocate addons

Cost index Utah-Ogden



Standard Estimate Report
OSD Child Nutrition Fac

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Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
01 Sitework					
G1010 Site Clearing					
311110.10 n	<i>Clear And Grub</i> 0011 Clearing, brush, turf, disp. <i>Clear And Grub</i>	1,605.00 sf	0.18 /sf		285 285
G1010 Site Clearing					285
G1020 Site Demo					
024113.17 n	<i>Dmls,remov pvmnt and curb</i> 1901 Remove concrete flatwork	270.00 sf	1.90 /sf		513
n	5051 Remove asphalt paving, 4" to 6" thick	19,745.00 sf	1.25 /sf		24,588
n	6102 Remove curb & gutter, reinforced <i>Dmls,remov pvmnt and curb</i>	210.00 lf	11.704 /lf		2,458 27,559
024113.33 n	<i>Minor Site Demolition</i> 0200 Miscellaneous demolition <i>Minor Site Demolition</i>	30,670.00 sf	0.251 /sf		7,713 7,713
024116.13 n	<i>Building Demolition</i> 0652 Demo existing building <i>Building Demolition</i>	7,130.00 sf	10.00 /sf		71,300 71,300
024116.17 n	<i>Bldg ftng and fndt demltn</i> 2703 Remove concrete pavement <i>Bldg ftng and fndt demltn</i>	1,500.00 sf	2.72 /sf		4,080 4,080
024119.25 n	<i>Selctv demltn,saw cutting</i> 0016 Saw cutting asphalt/concrete <i>Selctv demltn,saw cutting</i>	1,535.00 lf	3.182 /lf		4,884 4,884
G1020 Site Demo					115,536
G1030 Site Earthwork					
017123.13 n	<i>Construction Layout</i> 1201 Surveying, allowance <i>Construction Layout</i>	1.00 allw	10,000.00 /allw		10,000 10,000
017413.20 n	<i>Cleaning Up</i> 0101 Dust control, allowance <i>Cleaning Up</i>	1.00 allw	3,000.00 /allw		3,000 3,000
312216.10 n	<i>Finish Grading</i> 0015 Scarify and recompact	19,000.00 sf	0.364 /sf		6,914
n	0101 Fine grade site <i>Finish Grading</i>	30,670.00 sf	0.46 /sf		13,957 20,871
312316.46 n	<i>Excavating, Bulk, Dozer</i> 2301 Cut & fill on site, allowance	69 1,500.00 cy	9.991 /cy		14,987



Standard Estimate Report
OSD Child Nutrition Fac

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Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
	<i>Excavating, Bulk, Dozer</i>				14,987
312513.10 n	1203 <i>Synthetic Erosion Control</i> Storm water management <i>Synthetic Erosion Control</i>	30,670.00 sf	0.28 /sf		8,454
					8,454
	G1030 Site Earthwork				57,312

G2020 Parking Lots

101453.20 n	1701 <i>Traffic Signs</i> Parking sign, HC stall	1.00 ea	241.86 /ea		242
n	1706 Signage, average <i>Traffic Signs</i>	2.00 ea	157.15 /ea		314
					556
321123.23 n	0102 <i>Base course draing layers</i> Base, large areas, 8" thick <i>Base course draing layers</i>	283.00 sy	12.77 /sy		3,614
					3,614
321216.13 n	0020 <i>Plant-Mix Asphalt Paving</i> Asphalt paving <i>Plant-Mix Asphalt Paving</i>	1,706.00 sy	48.891 /sy		83,408
					83,408
321313.23 n	0505 <i>Cncrt pavng surfac trtmnt</i> Concrete loading dock ramp	1,260.00 sf	13.703 /sf		17,266
n	1700 Concrete pavement <i>Cncrt pavng surfac trtmnt</i>	1,285.00 sf	8.392 /sf		10,783
					28,049
321613.13 n	0431 <i>Cs-in-pl cnc crb and gutt</i> Curb & gutter, 24" wide <i>Cs-in-pl cnc crb and gutt</i>	200.00 lf	31.713 /lf		6,343
					6,343
321713.19 n	1001 <i>Prcst cncrt prkng bumpers</i> Precast concrete parking bumper <i>Prcst cncrt prkng bumpers</i>	2.00 ea	69.80 /ea		140
					140
321723.13 n	0021 <i>Painted Pavement Markings</i> Pavement striping, 4" wide <i>Painted Pavement Markings</i>	735.00 lf	0.39 /lf		283
					283
321723.14 n	1001 <i>Pavement Markings</i> Pavement markings, letters & numbers	15.00 sf	3.72 /sf		56
n	1201 Handicap symbol	1.00 ea	71.52 /ea		72
n	1201 EV Charging symbol <i>Pavement Markings</i>	2.00 ea	71.51 /ea		143
					270
	G2020 Parking Lots				122,663

G2030 Pedstrn Paving

320610.10 n	0312 <i>Sdwlks, drivwys and patios</i> Concrete sidewalk, 4" thick w/ rebar	700.00 sf	6.50 /sf		4,546
n	0451 Sidewalk base, 4" thick, add <i>Sdwlks, drivwys and patios</i>	700.00 sf	1.38 /sf		963
					5,509



Standard Estimate Report
OSD Child Nutrition Fac

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Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
G2030 Pedstrn Paving				5,509
G2040 Site Developmt				
<i>Concrete In Place</i>				
033053.40	Concrete strip footing	12.00 cy	498.58 /cy	5,983
n	3901 Concrete strip footing	12.00 cy	498.58 /cy	5,983
n	4271 Concrete dock wall, 12"	320.00 sf	34.97 /sf	11,189
n	4807 Generator pad	150.00 sf	18.04 /sf	2,706
n	6801 Concrete stairs, free standing, no rails	34.00 lfns	81.09 /lfns	2,757
	<i>Concrete In Place</i>			22,635
<i>Canopy Framing</i>				
051223.05	Steel shade canopy & footings	1,440.00 sf	85.611 /sf	123,280
n	0100 Steel shade canopy & footings	1,440.00 sf	85.611 /sf	123,280
	<i>Canopy Framing</i>			123,280
<i>Railings, Pipe</i>				
055213.50	Railing, steel, 8 rail, galv.	80.00 lf	265.744 /lf	21,260
n	0647 Railing, steel, 8 rail, galv.	80.00 lf	265.744 /lf	21,260
n	0906 Railing, wall	15.00 lf	66.60 /lf	999
	<i>Railings, Pipe</i>			22,258
<i>Stair Treads</i>				
055513.50	Stair nosing	34.00 lf	12.69 /lf	431
n	0401 Stair nosing	34.00 lf	12.69 /lf	431
	<i>Stair Treads</i>			431
<i>Elstmr sheet waterprfng</i>				
071353.10	Waterproof retaining walls	320.00 sf	3.72 /sf	1,190
n	0091 Waterproof retaining walls	320.00 sf	3.72 /sf	1,190
	<i>Elstmr sheet waterprfng</i>			1,190
<i>Miscellaneous, Exterior</i>				
099113.42	Paint metal fence & gates	82.00 lf	20.873 /lf	1,712
n	0701 Paint metal fence & gates	82.00 lf	20.873 /lf	1,712
	<i>Miscellaneous, Exterior</i>			1,712
<i>Siding, Misc.</i>				
099113.62	Paint canopies	1,440.00 sf	1.93 /sf	2,771
n	0491 Paint canopies	1,440.00 sf	1.93 /sf	2,771
	<i>Siding, Misc.</i>			2,771
<i>Miscellaneous, Interior</i>				
099123.52	Paint handrail, decorative, 2 coats	95.00 lf	8.74 /lf	830
n	0211 Paint handrail, decorative, 2 coats	95.00 lf	8.74 /lf	830
	<i>Miscellaneous, Interior</i>			830
<i>Site Furnishings</i>				
129323.05	Site furnishings	1.00 ls	5,716.55 /ls	5,717
n	0010 Site furnishings	1.00 ls	5,716.55 /ls	5,717
	<i>Site Furnishings</i>			5,717
<i>Metal Parking Bumpers</i>				
321713.13	Pipe bollard, conc filled/painted 6"	8.00 ea	827.86 /ea	6,623
n	1301 Pipe bollard, conc filled/painted 6"	8.00 ea	827.86 /ea	6,623
	<i>Metal Parking Bumpers</i>			6,623
<i>Fence, chain link industrl</i>				
323113.20	Fence, chain link, 8' high	180.00 lf	47.85 /lf	8,612
n	0921 Fence, chain link, 8' high	180.00 lf	47.85 /lf	8,612
n	2401 Chain link gate, 3' wide	1.00 ea	680.81 /ea	681
n	5092 Double swing gate, 8' high, 20' opening	1.00 opng	3,125.03 /opng	3,125
n	7821 Fence, gate motor, sliding (up to 45'w)	2.00 ea	6,003.68 /ea	12,007
	<i>Fence, chain link industrl</i>			24,425
<i>Decorative Fence</i>				
323119.10	Gate, metal, rolling	71	489.00 /sf	23,403
n	6512 Gate, metal, rolling	71	489.00 /sf	23,403



Standard Estimate Report
OSD Child Nutrition Fac

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Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>Decorative Fence</i>			23,403
	G2040 Site Developmt			235,275
G2050 Landscaping				
329333.50 n	<i>Landscape Maintenance</i> 1090 Replace landscaping <i>Landscape Maintenance</i>	1,360.00 sf	5.51 /sf	7,489
	G2050 Landscaping			7,489
G3010 Water Supply				
221119.42 n	<i>Backflow Preventers</i> 5101 Backflow preventer, 4" <i>Backflow Preventers</i>	1.00 ea	5,010.93 /ea	5,011
330526.10 n	<i>Utility Accessories</i> 2502 Trench, detection tape, fill <i>Utility Accessories</i>	675.00 lf	22.29 /lf	15,044
331113.15 n n	<i>Watr supp,ductl iron pipe</i> 8061 Thrust block 9999 Connect to (e) <i>Watr supp,ductl iron pipe</i>	11.00 ea 1.00 ea	270.57 /ea 2,229.72 /ea	2,976 2,230 5,206
331113.25 n n n	<i>Watr supp,plyv chlrd pipe</i> 2181 Water dist, 4" PVC 2201 Water dist, 6" PVC 2211 Water dist, 8" PVC <i>Watr supp,plyv chlrd pipe</i>	40.00 lf 10.00 lf 625.00 lf	22.04 /lf 27.29 /lf 38.02 /lf	882 273 23,760 24,914
331216.10 n n n	<i>Valves</i> 3811 Valve, gate, 4" w/ box & cover 3815 Valve, gate, 6" w/ box & cover 3817 Valve, gate, 8" w/ box & cover <i>Valves</i>	1.00 ea 1.00 ea 1.00 ea	1,308.42 /ea 1,832.51 /ea 2,880.72 /ea	1,308 1,833 2,881 6,022
331219.10 n n n	<i>Fire Hydrants</i> 1201 Fire hydrant, 4-1/2" valve size, depth 4' 2321 Fire department connection 5021 Post indicator valve <i>Fire Hydrants</i>	1.00 ea 1.00 ea 1.00 ea	3,739.66 /ea 3,450.94 /ea 1,796.41 /ea	3,740 3,451 1,796 8,987
	G3010 Water Supply			65,183
G3020 Sanitary Sewer				
333113.25 n n n	<i>Sewg coll,plyv chlrd pipe</i> 2041 PVC, SDR-35, 6" (sewer) 2301 Cleanout, 6" to grade 2802 Trench, detection tape, fill <i>Sewg coll,plyv chlrd pipe</i>	295.00 lf 3.00 ea 295.00 lf	27.28 /lf 574.20 /ea 22.29 /lf	8,047 1,723 6,575 16,344
334913.10 n	<i>Strm drng mnhl,frms&covrs</i> 1133 Manhole, concrete, precast, 4' I.D., 8' deep	2.00 ea	6,650.62 /ea	13,301



Standard Estimate Report
OSD Child Nutrition Fac

9/29/2021 11:03 AM

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>Strm drng mnhl,frms&covrs</i>			13,301
	G3020 Sanitary Sewer			29,645
G3030 Storm Sewer				
330000.10 n	3030 <i>Site Utility Systems</i> Storm Sewer <i>Site Utility Systems</i>	30,670.00 sf	1.451 /sf	44,496 44,496
	G3030 Storm Sewer			44,496
G3060 Fuel Dist				
335113.10 n	<i>Ppn,gas srv and dst,plyth</i> 1161 Piping, gas, poly, 3"	215.00 lf	11.492 /lf	2,471
n	9999 Connect to (e) pipe <i>Ppn,gas srv and dst,plyth</i>	1.00 ea	2,296.29 /ea	2,296 4,767
335113.20 n	<i>Ppn,gas srv and dst,steel</i> 0099 Trench, detection tape, fill <i>Ppn,gas srv and dst,steel</i>	215.00 lf	22.29 /lf	4,792 4,792
	G3060 Fuel Dist			9,559
G4010 Elec Dist				
330000.10 n	<i>Site Utility Systems</i> 4011 Service & Dist <i>Site Utility Systems</i>	1.00 ls	82,104.40 /ls	82,104 82,104
	G4010 Elec Dist			82,104
G4020 Site Lighting				
330000.10 n	<i>Site Utility Systems</i> 4021 Site Lighting <i>Site Utility Systems</i>	30,670.00 sf	0.302 /sf	9,270 9,270
337119.17 n	<i>Elctrc and telphn undgrm</i> 0601 Pull box, 2' x 2' x 3'	2.00 ea	1,371.87 /ea	2,744
n	4201 Electric Vehicle branch in 1" conduit, including trench <i>Elctrc and telphn undgrm</i>	300.00 lf	49.703 /lf	14,911 17,655
	G4020 Site Lighting			26,925
G4030 Site Com & Sec				
330000.10 n	<i>Site Utility Systems</i> 4031 Site communications & security	30,670.00 sf	0.77 /sf	23,505



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Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Site Utility Systems</i>				23,505
	G4030 Site Com & Sec				23,505
G4090 Othr Site Elec					
263213.13	<i>Dsl-engn-drivn gnrrr sets</i>				
n	2700 Generator, 200KW/250KVA	1.00 ea	70,737.40 /ea		70,737
	<i>Dsl-engn-drivn gnrrr sets</i>				70,737
337119.17	<i>Elctrc and telphn undgrm</i>				
n	0382 Transformer Pad	1.00 ea	1,962.72 /ea		1,963
n	0385 Electric Vehicle Charging Station - Dual Head	1.00 ea	10,348.33 /ea		10,348
n	0385 Electric Vehicle Charging Station - Single Head	1.00 ea	6,355.02 /ea		6,355
	<i>Elctrc and telphn undgrm</i>				18,666
	G4090 Othr Site Elec				89,403
	01 Sitework				914,891

02 Building

A1010 Standard Found

033053.40	<i>Concrete In Place</i>				
n	3901 Concrete strip footing	136.00 cy	498.58 /cy		67,807
n	4271 Concrete stem wall, 12"	1,008.00 sf	34.97 /sf		35,245
	<i>Concrete In Place</i>				103,052
072113.10	<i>Rigid Insulation</i>				
n	0701 Rigid insul @ bldg ftg perim, 2-1/2" th	1,008.00 sf	4.42 /sf		4,453
	<i>Rigid Insulation</i>				4,453
	A1010 Standard Found				107,505

A1030 Slab on Grade

033053.40	<i>Concrete In Place</i>				
n	4737 4" slab on grade, w/rebar	7,640.00 sf	4.902 /sf		37,455
n	4757 8" slab on grade, w/rebar	2,610.00 sf	8.18 /sf		21,337
n	4831 Add for insulated slab	792.00 sf	4.41 /sf		3,491
	<i>Concrete In Place</i>				62,284
038113.50	<i>Concret floor/slb cutting</i>				
n	0402 Saw cutting, contraction joints	980.00 lf	1.903 /lf		1,865
	<i>Concret floor/slb cutting</i>				1,865
072610.10	<i>Vapor Retarders</i>				
n	1210 15 mil vapor barrier under slab	10,250.00 sf	0.411 /sf		4,213
	<i>Vapor Retarders</i>				4,213
312216.10	<i>Finish Grading</i>				
n	0016 Fine grade, slab on grade	74 10,250.00 sf	0.61 /sf		6,209



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Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Finish Grading</i>				6,209
312323.17 n	0601 <i>Fill</i> Base course, under slabs, 6" deep <i>Fill</i>	10,250.00 sf	1.02 /sf		10,409 10,409
	A1030 Slab on Grade				84,980
B1020 Roof Const					
051223.05 n	0100 <i>Canopy Framing</i> Steel shade canopy <i>Canopy Framing</i>	630.00 sf	73.103 /sf		46,055 46,055
051223.77 n	3801 <i>Structural Steel Projects</i> Structural steel <i>Structural Steel Projects</i>	41.00 ton	5,552.44 /ton		227,650 227,650
053123.50 n	2651 <i>Roof Decking</i> 1-1/2" metal deck, 20 ga. <i>Roof Decking</i>	10,250.00 sf	3.93 /sf		40,275 40,275
	B1020 Roof Const				313,980
B2010 Exterior Walls					
033053.40 n	4271 <i>Concrete In Place</i> Concrete dock wall, 12" <i>Concrete In Place</i>	395.00 sf	34.97 /sf		13,811 13,811
042210.34 n	4202 <i>Concrete block,partitions</i> CMU, 8" w/ honed face, integral color	5,005.00 sf	27.88 /sf		139,537
n	4302 CMU, 12" w/ honed face, integral color <i>Concrete block,partitions</i>	3,570.00 sf	34.30 /sf		122,449 261,986
054113.30 n	4201 <i>Framing, Stud Walls</i> 6" LB studs, 18 ga., 16" o.c. <i>Framing, Stud Walls</i>	1,615.00 sf	10.32 /sf		16,661 16,661
061636.10 n	0701 <i>Sheathing</i> 5/8" plywood sheathing <i>Sheathing</i>	1,615.00 sf	2.03 /sf		3,274 3,274
072116.20 n	0161 <i>Blanket insultn for walls</i> Wall/ceiling insul, fiberglass, 6" thick (R19) <i>Blanket insultn for walls</i>	1,615.00 sf	1.01 /sf		1,628 1,628
072610.10 n	1403 <i>Vapor Retarders</i> Vinyl vapor barrier, wall <i>Vapor Retarders</i>	1,615.00 sf	2.081 /sf		3,360 3,360
074213.20 n	0901 <i>Aluminum Siding Panels</i> Corrugated metal siding, colored <i>Aluminum Siding Panels</i>	1,615.00 sf	18.14 /sf		29,288 29,288
077119.30 n	0101 <i>Fascia</i> Fascia, aluminum, .032" thick, colored	75 210.00 sf	13.051 /sf		2,741



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Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Fascia</i>				2,741
079210.10 n	0201 <i>Caulking And Sealants</i> Caulking & sealants <i>Caulking And Sealants</i>	10,190.00 sf	0.411 /sf		4,189
					4,189
	B2010 Exterior Walls				336,939
B2020 Ext Windows					
085113.20 n	3901 <i>Aluminum Windows</i> Aluminum windows, frame & glazing <i>Aluminum Windows</i>	607.00 sf	62.382 /sf		37,866
					37,866
	B2020 Ext Windows				37,866
B2030 Exterior Doors					
081213.25 n	0201 <i>Channel Metal Frames</i> Channel door frames, 8" <i>Channel Metal Frames</i>	1.00 ea	885.53 /ea		886
					886
081500.10 n	1001 <i>Doors, complete</i> Ext, Door, Frame, Hardware, 3070 Single <i>Doors, complete</i>	3.00 ea	1,892.063 /ea		5,676
					5,676
083613.10 n	2601 <i>Overhead Commercial Doors</i> Overhead door, sect., steel, glazing, manual	100.00 sf	36.41 /sf		3,641
n	2861 Insulation, back panel, add	100.00 sf	6.173 /sf		617
n	2951 Motor operation, add	1.00 ea	1,979.97 /ea		1,980
	<i>Overhead Commercial Doors</i>				6,238
084313.10 n	6302 <i>Aluminm-framed storefrnts</i> Aluminum dr, insul glazing, hdwr.	63.00 sf	107.142 /sf		6,750
n	6303 Add for automatic opener	1.00 ea	4,909.04 /ea		4,909
	<i>Aluminm-framed storefrnts</i>				11,659
087120.35 n	0016 <i>Panic Devices</i> Panic device, single, add <i>Panic Devices</i>	3.00 ea	953.883 /ea		2,862
					2,862
099113.70 n	0125 <i>Doors and windws,exterior</i> Paint overhead / roll up door & frame <i>Doors and windws,exterior</i>	1.00 ea	179.15 /ea		179
					179
	B2030 Exterior Doors				27,500
B3010 Roof Coverings					
061636.10 n	2904 <i>Sheathing</i> Cover board <i>Sheathing</i>	10,250.00 sf	1.94 /sf		19,877
					19,877
072216.10 n	1757 <i>Roof Deck Insulation</i> Roof insul, polyiso, 4"	76 10,250.00 sf	4.514 /sf		46,273
n	2602 Tapered insulation	1,500.00 sf	2.36 /sf		3,536



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Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Roof Deck Insulation</i>				49,809
075113.50 n	<i>Wlkwys for built-up roofs</i> 0101 Roof walkway, allowance <i>Wlkwys for built-up roofs</i>	1,000.00 sf	7.74 /sf		7,740
					7,740
075419.10 n	<i>Plyvnyl-chloride roofing</i> 8891 PVC roofing, 80 mils <i>Plyvnyl-chloride roofing</i>	10,250.00 sf	6.24 /sf		63,932
					63,932
076510.10 n	<i>Sheet Metal Flashing</i> 0002 Flashing & sheetmetal <i>Sheet Metal Flashing</i>	10,250.00 sf	0.534 /sf		5,477
					5,477
077126.10 n	<i>Reglets</i> 0102 Parapet cap <i>Reglets</i>	705.00 lf	17.63 /lf		12,428
					12,428
079210.10 n	<i>Caulking And Sealants</i> 0202 Caulking & sealants, roofing <i>Caulking And Sealants</i>	10,250.00 sf	0.411 /sf		4,213
					4,213
B3010 Roof Coverings					163,477

B3020 Roof Openings

077233.10 n	<i>Roof Hatches</i> 0521 Roof hatch <i>Roof Hatches</i>	2.00 ea	1,709.69 /ea		3,419
					3,419
086213.20 n	<i>Skylights</i> 2131 Skylight	64.00 sf	94.081 /sf		6,021
n	2133 Tubular skylight, 24" <i>Skylights</i>	6.00 ea	2,322.43 /ea		13,935
					19,956
B3020 Roof Openings					23,375

C1010 Partitions

042210.34 n	<i>Concrete block,partitions</i> 4302 CMU, 12" w/ honed face, integral color <i>Concrete block,partitions</i>	3,375.00 sf	34.30 /sf		115,760
					115,760
072113.10 n	<i>Rigid Insulation</i> 1941 Wall insulation, 2" rigid, extruded poly <i>Rigid Insulation</i>	4,090.00 sf	2.18 /sf		8,911
					8,911
072116.20 n	<i>Blanket insultn for walls</i> 0081 Wall/ceiling insul, fiberglass, 3-1/2" thick (R11)	1,105.00 sf	0.87 /sf		962
n	0161 Wall/ceiling insul, fiberglass, 6" thick (R19) <i>Blanket insultn for walls</i>	1,415.00 sf	1.01 /sf		1,427
					2,389
085113.20 n	<i>Aluminum Windows</i> 3901 Aluminum sidelights <i>Aluminum Windows</i>	296.00 sf	57.911 /sf		17,142
					17,142
092216.13 n	<i>Metal Studs And Track</i> 3181 2-1/2" studs, 20 ga., 16" o.c.	4,090.00 sf	2.742 /sf		11,215



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				Unit Cost	Amount
<i>Metal Studs And Track</i>					
092216.13 n	3201 3-5/8" studs, 20 ga., 16" o.c.	3,660.00 sf	5.003 /sf		18,310
n	3241 6" studs, 20 ga., 16" o.c.	2,380.00 sf	6.813 /sf		16,215
	<i>Metal Studs And Track</i>				<u>45,740</u>
<i>Sound Attenuation Blanket</i>					
098116.10 n	1501 Acoustic batt insulation, wall, 3" thick	11,460.00 sf	1.23 /sf		14,035
	<i>Sound Attenuation Blanket</i>				<u>14,035</u>
<i>Folding Panel Partitions</i>					
102226.33	1200 Folding partition	480.00 sf	107.11 /sf		51,411
	1200 Folding partition, washable	365.00 sf	142.631 /sf		52,060
	<i>Folding Panel Partitions</i>				<u>103,471</u>
	C1010 Partitions				307,448
C1020 Interior Doors					
<hr/>					
<i>Channel Metal Frames</i>					
081213.25 n	0201 Channel door frames, 8"	1.00 ea	885.53 /ea		886
	<i>Channel Metal Frames</i>				<u>886</u>
<i>Doors, complete</i>					
081500.10 n	2001 Int, Door, Frame, Hardware, 3070 Single	16.00 ea	1,773.853 /ea		28,382
n	2001 Int, Door, Frame, Hardware, 4070 Single	1.00 ea	2,365.15 /ea		2,365
	<i>Doors, complete</i>				<u>30,747</u>
<i>Access Doors And Frames</i>					
083113.10 n	1101 Access doors	1.00 ls	2,000.00 /ls		2,000
	<i>Access Doors And Frames</i>				<u>2,000</u>
<i>Overhead Commercial Doors</i>					
083613.10 n	2601 Overhead door, sect., steel, glazing, manual	64.00 sf	36.41 /sf		2,330
n	2951 Motor operation, add	1.00 ea	1,979.98 /ea		1,980
	<i>Overhead Commercial Doors</i>				<u>4,310</u>
<i>Aluminm-framed storefrnts</i>					
084313.10 n	6302 Aluminum dr, insul glazing, hdwr.	42.00 sf	107.142 /sf		4,500
n	6303 Add for automatic opener	1.00 ea	4,909.03 /ea		4,909
	<i>Aluminm-framed storefrnts</i>				<u>9,409</u>
<i>Sliding Panels</i>					
084329.10 n	0501 Sliding panel doors, alum. & glass	48.00 sf	138.12 /sf		6,630
	<i>Sliding Panels</i>				<u>6,630</u>
<i>Panic Devices</i>					
087120.35 n	0016 Panic device, single, add	6.00 ea	953.89 /ea		5,723
	<i>Panic Devices</i>				<u>5,723</u>
	C1020 Interior Doors				59,704
C1030 Fittings					
<hr/>					
<i>Vertical Metal Ladders</i>					
055133.13 n	0155 Roof ladder	45.00 vlf	92.63 /vlf		4,168



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Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
	<i>Vertical Metal Ladders</i>				4,168
099123.52 n	<i>Miscellaneous, Interior</i> 6801 Paint ladder	45.00 lf	5.542 /lf		249
	<i>Miscellaneous, Interior</i>				249
101113.13 n	<i>Fixed Chalkboards</i> 5451 White board	96.00 sf	27.091 /sf		2,601
	<i>Fixed Chalkboards</i>				2,601
101419.10 n	<i>Exterior Signs</i> 0143 Exterior signage	10,250.00 sf	1.112 /sf		11,394
	<i>Exterior Signs</i>				11,394
101423.13 n	<i>Engrv intrr panel signage</i> 1552 Interior signage	10,250.00 sf	0.893 /sf		9,158
	<i>Engrv intrr panel signage</i>				9,158
102113.19 n	<i>Plastic toilet comprtmnts</i> 1052 Toilet partition, polymer (reg)	2.00 ea	1,531.16 /ea		3,062
n	1402 Toilet partition, polymer (hc),w/gr bars	2.00 ea	2,020.81 /ea		4,042
n	1404 Urinal screen, polymer	1.00 ea	411.95 /ea		412
	<i>Plastic toilet comprtmnts</i>				7,516
102813.13 n	<i>Commercl toilet accessors</i> 0302 Shower curtain rod w/ flanges, curtain, & hooks	1.00 ea	266.13 /ea		266
n	0611 Towel dispenser & waste receptacle	2.00 ea	485.95 /ea		972
n	3102 Mirror, ss frm	69.00 sf	32.59 /sf		2,249
n	4101 Mop holder	1.00 ea	158.770 /ea		159
n	4401 Robe/clothes hook	4.00 ea	43.61 /ea		174
n	4601 Soap dispenser, surface mount	8.00 ea	106.804 /ea		854
n	6051 Toilet seat cover dispnsr, surface mount	4.00 ea	89.69 /ea		359
n	6201 Toilet tissue dispenser, double roll, surface mnt	4.00 ea	58.67 /ea		235
n	6701 Towel dispenser, surface mounted	2.00 ea	101.19 /ea		202
n	7901 Feminine napkin disposal, surface mount	3.00 ea	117.49 /ea		352
n	8201 Toilet accessories, single	1.00 ea	2,799.23 /ea		2,799
	<i>Commercl toilet accessors</i>				8,622
105613.10	<i>Shelving</i> 4000 Pallet racks, 42" deep	1,152.00 shlf	18.594 /shlf		21,421
	<i>Shelving</i>				21,421
321713.13 n	<i>Metal Parking Bumpers</i> 1301 Pipe bollard, conc filled/painted 6"	4.00 ea	827.86 /ea		3,311
	<i>Metal Parking Bumpers</i>				3,311
C1030 Fittings					68,440
C3010 Wall Finishes					
062516.10 n	<i>Paneling, Plywood</i> 2431 Plywood paneling, fire treated	566.00 sf	4.52 /sf		2,556
	<i>Paneling, Plywood</i>				2,556
079210.10 n	<i>Caulking And Sealants</i> 0023 Caulking & sealants, acoustical	16,750.00 sf	0.411 /sf		6,885



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Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	<i>Caulking And Sealants</i>				6,885
092813.10 n	<i>Cementitious Backerboard</i> 2021 Cementitious Backerboard, 5/8" <i>Cementitious Backerboard</i>	1,320.00 sf	4.64 /sf		6,123
					6,123
092910.30 n	<i>Gypsum Board</i> 2051 Gypsum board, 5/8", walls	10,140.00 sf	2.584 /sf		26,198
n	2051 Gypsum board, 5/8", interior of exterior walls <i>Gypsum Board</i>	6,610.00 sf	2.584 /sf		17,078
					43,276
093013.10 n	<i>Ceramic Tile</i> 5400 Ceramic tile walls	1,320.00 sf	16.81 /sf		22,186
n	7001 Epoxy grout, floor or wall, add	1,320.00 sf	2.053 /sf		2,710
n	7303 Waterproofing membrane, add <i>Ceramic Tile</i>	1,320.00 sf	4.124 /sf		5,444
					30,339
097733.10 n	<i>Fibrcls reinforcd plastic</i> 0111 FRP wall panel <i>Fibrcls reinforcd plastic</i>	205.00 sf	5.653 /sf		1,159
					1,159
099123.72 n	<i>Walls and clngs,interior</i> 1282 Paint interior walls <i>Walls and clngs,interior</i>	16,750.00 sf	0.711 /sf		11,915
					11,915
	C3010 Wall Finishes				102,253
C3020 Floor Finishes					
093013.10 n	<i>Ceramic Tile</i> 0602 Porcelain tile base	174.00 lf	16.253 /lf		2,828
n	3302 Porcelain tile floor	500.00 sf	14.633 /sf		7,316
n	7001 Epoxy grout, floor or wall, add	1,544.00 sf	2.053 /sf		3,170
n	7301 Mud set, floor or wall, add	1,375.00 sf	2.743 /sf		3,772
n	7303 Waterproofing membrane, add <i>Ceramic Tile</i>	1,544.00 sf	4.124 /sf		6,367
					23,453
093016.10 n	<i>Quarry Tile</i> 0100 Quarry tile base, 1/2" thick	164.00 lf	15.55 /lf		2,550
n	0701 Quarry tile floors <i>Quarry Tile</i>	875.00 sf	14.02 /sf		12,267
					14,817
096510.10 n	<i>Resilient tile underlymnt</i> 3601 Moisture barrier @ resilient flooring <i>Resilient tile underlymnt</i>	2,005.00 sf	4.26 /sf		8,535
					8,535
096513.13 n	<i>Resilient Base</i> 1151 Rubber or vinyl base <i>Resilient Base</i>	1,530.00 lf	2.78 /lf		4,249
					4,249
096519.10 n	<i>Resilient Tile Flooring</i> 1801 VCT tile flooring, static dissipative	100.00 sf	8.23 /sf		823
n	7701 LVT flooring <i>Resilient Tile Flooring</i>	1,905.00 sf	9.553 /sf		18,198
					19,021
096813.10 n	<i>Carpet Tile</i> 0201 Carpet tile, 18" x 18", 20 oz.	384.00 sy	34.44 /sy		13,225



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				Amount	
	<i>Carpet Tile</i>				13,225
099123.40 n	<i>Floors, Interior</i> 0341 Sealed concrete floor, two coats <i>Floors, Interior</i>	3,165.00 sf	1.031 /sf		3,265
					3,265
	C3020 Floor Finishes				86,564
C3030 Ceiling Finish					
092910.10 n	<i>Gypsum Board Ceilings</i> 0819 Suspended, gypsum brd & system, water resistant	500.00 sf	10.94 /sf		5,470
n	0820 Suspended, gypsum brd & system	740.00 sf	9.52 /sf		7,041
n	0821 Suspended, gypsum brd soffits & system	345.00 sf	11.69 /sf		4,031
	<i>Gypsum Board Ceilings</i>				16,542
095123.30 n	<i>Suspend ceilings, complete</i> 0802 T-bar, 2x4, 3/4" board, complete	5,030.00 sf	5.62 /sf		28,266
n	0834 Suspended hard lid, washable	880.00 sf	12.18 /sf		10,716
	<i>Suspend ceilings, complete</i>				38,981
099123.52 n	<i>Miscellaneous, Interior</i> 9221 Paint exposed structure <i>Miscellaneous, Interior</i>	2,515.00 sf	1.25 /sf		3,135
					3,135
099123.72 n	<i>Walls and clngs, interior</i> 1283 Paint ceilings <i>Walls and clngs, interior</i>	1,585.00 sf	0.803 /sf		1,273
					1,273
	C3030 Ceiling Finish				59,931
D2010 Plumbing Fixt					
224116.10 n	<i>Lavatories</i> 3201 Lavatory, vanity top	7.00 ea	785.014 /ea		5,495
n	6961 Lavatory, rough-in	7.00 ea	1,475.62 /ea		10,329
n	9999 Elec sensor, add	7.00 ea	608.513 /ea		4,260
	<i>Lavatories</i>				20,084
224116.30 n	<i>Sinks</i> 6651 Service sink, floor	1.00 ea	1,708.60 /ea		1,709
n	6791 Service sink, rough-in	1.00 ea	1,491.89 /ea		1,492
	<i>Sinks</i>				3,201
224123.20 n	<i>Showers</i> 1531 Shower stall	1.00 ea	1,307.08 /ea		1,307
n	4201 Shower stall, rough-in	1.00 ea	1,236.93 /ea		1,237
	<i>Showers</i>				2,544
224213.30 n	<i>Urinals</i> 5001 Urinal	2.00 ea	1,717.40 /ea		3,435
n	6981 Urinal, rough-in	2.00 ea	1,086.57 /ea		2,173
n	9999 Elec auto flush, add	2.00 ea	608.51 /ea		1,217
	<i>Urinals</i>				6,825
224213.40 n	<i>Water Closets</i> 4901 Water closet	81 5.00 ea	2,238.39 /ea		11,192
n	4981 Water closet, rough-in	5.00 ea	1,076.90 /ea		5,384



Standard Estimate Report
OSD Child Nutrition Fac

9/29/2021 11:03 AM

Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
224213.40 n	<i>Water Closets</i> 9999 Elec auto flush, add <i>Water Closets</i>	5.00 ea	608.514 /ea		3,043
					<u>19,619</u>
224516.10 n	<i>Eyewash Equipment</i> 4181 EW-1 Emergency Eyewash <i>Eyewash Equipment</i>	1.00 ea	691.86 /ea		692
					<u>692</u>
224713.10 n	<i>Drinking Fountains</i> 2821 Drinking fountain, HC, dual level	2.00 ea	3,018.74 /ea		6,037
n	3981 Drinking fountain, rough-in <i>Drinking Fountains</i>	2.00 ea	536.97 /ea		1,074
					<u>7,111</u>
D2010 Plumbing Fixt					60,076

D2020 Dom Water Dist

221113.23 n	<i>Pipe, Copper</i> 2261 Cold water piping	520.00 lf	36.95 /lf		19,212
n	2301 Hot water piping w/ insulation <i>Pipe, Copper</i>	300.00 lf	47.69 /lf		14,306
					<u>33,518</u>
221119.54 n	<i>Water hammr arrs/ absrbrs</i> 0901 Water hammer arrester <i>Water hammr arrs/ absrbrs</i>	3.00 ea	313.69 /ea		941
					<u>941</u>
221119.64 n	<i>Hydrants</i> 1101 HB Hose Bibb <i>Hydrants</i>	4.00 ea	150.10 /ea		600
					<u>600</u>
223436.13	<i>Com,atm,gas dms watr htrs</i> 6180 Gas Water Heater, 199 mbh <i>Com,atm,gas dms watr htrs</i>	1.00 ea	12,231.48 /ea		12,231
					<u>12,231</u>
D2020 Dom Water Dist					47,291

D2030 Sanitary Waste

221316.10 n	<i>Pipe, Plastic</i> 4491 Waste & vent piping <i>Pipe, Plastic</i>	840.00 lf	45.283 /lf		38,037
					<u>38,037</u>
221316.60 n	<i>Traps</i> 7101 Trap primer <i>Traps</i>	6.00 ea	131.102 /ea		787
					<u>787</u>
221319.13 n	<i>Sanitary Drains</i> 2641 Drain, floor	5.00 ea	1,204.544 /ea		6,023
n	2821 Drain, shower, trap, bronze top	1.00 ea	1,286.19 /ea		1,286
n	2822 Rough-in for floor drains <i>Sanitary Drains</i>	6.00 ea	2,001.19 /ea		12,007
					<u>19,316</u>
221319.14 n	<i>Floor Receptors</i> 0901 Floor sink, cast iron, strainer <i>Floor Receptors</i>	1.00 ea	2,177.95 /ea		2,178
					<u>2,178</u>
221323.10 n	<i>Interceptors</i> 0054 GI-1 Grease Interceptor, 1,000 gallon	1.00 ea	8,952.38 /ea		8,952



Standard Estimate Report
OSD Child Nutrition Fac

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Item	Description	Takeoff Qty	Unit Cost	Total	
				Unit Cost	Amount
	<i>Interceptors</i>				8,952
	D2030 Sanitary Waste				69,270
D2040 Rain Water Drn					
221426.13	<i>Roof Drains</i>				
n	2201 Roof drain leader	750.00	lf	64.95 /lf	48,712
n	4341 Roof drain	5.00	ea	1,232.124 /ea	6,161
n	4342 Roof overflow drain	5.00	ea	1,591.402 /ea	7,957
	<i>Roof Drains</i>				62,830
	D2040 Rain Water Drn				62,830
D2090 Other Plumbing					
220000.10	<i>Plumbing Systems</i>				
n	1111 Kitchen Equipment Connections	890.00	sf	28.93 /sf	25,746
n	9999 Seismic Bracing	10,250.00	sf	1.46 /sf	14,966
	<i>Plumbing Systems</i>				40,711
	D2090 Other Plumbing				40,711
D3010 Energy Supply					
230000.10	<i>HVAC Systems</i>				
n	9989 Gas piping	10,250.00	sf	1.054 /sf	10,801
	<i>HVAC Systems</i>				10,801
	D3010 Energy Supply				10,801
D3040 HVAC Dist					
230000.10	<i>HVAC Systems</i>				
n	9995 HVAC distribution	10,250.00	sf	16.63 /sf	170,453
	<i>HVAC Systems</i>				170,453
	D3040 HVAC Dist				170,453
D3050 Trm & Pck unit					
230000.10	<i>HVAC Systems</i>				
n	9996 Terminal packaged units	10,250.00	sf	9.82 /sf	100,644
	<i>HVAC Systems</i>				100,644
	D3050 Trm & Pck unit				100,644
D3060 Instr & Contrl					
230000.10	<i>HVAC Systems</i>				
n	9997 HVAC Instrumentation & controls	10,250.00	sf	8.313 /sf	85,209



Standard Estimate Report
OSD Child Nutrition Fac

9/29/2021 11:03 AM

Item	Description	Takeoff Qty	Unit Cost	Total	
				Amount	
	HVAC Systems				85,209
	D3060 Instr & Contrl				85,209
D3070 Test & Balance					
230000.10 n	HVAC Systems 9998 HVAC Test, adjust, & balance HVAC Systems	10,250.00 sf	1.344 /sf		13,773 13,773
	D3070 Test & Balance				13,773
D3090 Other HVAC sys					
230000.10 n	HVAC Systems 9999 Seismic Bracing HVAC Systems	10,250.00 sf	1.26 /sf		12,910 12,910
	D3090 Other HVAC sys				12,910
D4010 Sprinklers					
210000.10 n	Fire Protection Systems 9999 Fire sprinkler system Fire Protection Systems	10,250.00 sf	3.75 /sf		38,416 38,416
	D4010 Sprinklers				38,416
D4030 Fire Prot Spec					
104413.53 n	Fire extingshr cabinets 1101 Fire extinguisher cabinet, steel Fire extingshr cabinets	4.00 ea	323.99 /ea		1,296 1,296
104416.13 n	Portable fire extingshrs 1081 Fire extinguisher, 10 lb Portable fire extingshrs	4.00 ea	156.19 /ea		625 625
	D4030 Fire Prot Spec				1,921
D5010 Service & Dist					
260000.10 n	Electrical Systems 9991 Service & distribution Electrical Systems	10,250.00 sf	9.672 /sf		99,138 99,138
	D5010 Service & Dist				99,138
D5020 Lighting & wire					
260000.10 n	Electrical Systems 9992 Lighting & wire	84 10,250.00 sf	26.60 /sf		272,630



Standard Estimate Report
OSD Child Nutrition Fac

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Item	Description	Takeoff Qty	Total		
			Unit Cost	Amount	
	<i>Electrical Systems</i>			<u>272,630</u>	
	D5020 Lighting & wire			272,630	
D5030 Com & Security					
<i>270000.10</i>	<i>Communication Systems</i>				
n	9993 Communications & security	10,250.00	sf	9.36 /sf	<u>95,928</u>
	<i>Communication Systems</i>				<u>95,928</u>
	D5030 Com & Security				95,928
D5090 Other Elec sys					
<i>260000.10</i>	<i>Electrical Systems</i>				
n	5090 Seismic Bracing / Temp Power	10,250.00	sf	2.463 /sf	<u>25,250</u>
	<i>Electrical Systems</i>				<u>25,250</u>
	D5090 Other Elec sys				25,250
E1030 Vehicular Eqpt					
<i>111316.10</i>	<i>Loading Docks</i>				
n	3599 Loading dock equipment, per door, allow.	1.00	ea	18,880.96 /ea	<u>18,881</u>
	<i>Loading Docks</i>				<u>18,881</u>
	E1030 Vehicular Eqpt				18,881
E1090 Other Equip					
<i>114413.10</i>	<i>Cooking Equipment</i>				
n	9435 Commercial kitchen equipment, training	1.00	ls	180,000.00 /ls	<u>180,000</u>
	<i>Cooking Equipment</i>				<u>180,000</u>
	E1090 Other Equip				180,000
E2010 Fixed Furnish					
<i>122113.13</i>	<i>Metal hrznt louver blinds</i>				
n	1101 Shades, mecho	607.00	sf	19.033 /sf	<u>11,553</u>
	<i>Metal hrznt louver blinds</i>				<u>11,553</u>
<i>123213.10</i>	<i>Manufctrd wood casework</i>				
n	4999 Upper, 12" deep	10.00	lf	224.553 /lf	<u>2,246</u>
	<i>Manufctrd wood casework</i>				<u>2,246</u>
<i>123661.16</i>	<i>Solid Surface Countertops</i>				
n	1201 Lavatory counter w/ supports	27.00	lf	288.59 /lf	<u>7,792</u>
	<i>Solid Surface Countertops</i>				<u>7,792</u>
<i>125116.16</i>	<i>Wood Case Goods</i>				
n	0811 Work station	24.00	lf	527.86 /lf	12,669



Standard Estimate Report
OSD Child Nutrition Fac

9/29/2021 11:03 AM

Item	Description	Takeoff Qty	Total	
			Unit Cost	Amount
	<i>Wood Case Goods</i>			<u>12,669</u>
	E2010 Fixed Furnish			34,259
F1020 Integrated Con				
<hr/>				
114413.10 n	<i>Cooking Equipment</i> 4661 Freezers, pre-fab,w/ refrigeration, 25' high	712.00 sf	263.790 /sf	<u>187,818</u>
	<i>Cooking Equipment</i>			<u>187,818</u>
	F1020 Integrated Con			187,818
	02 Building			3,408,171

Estimate Totals

Description	Amount	Totals	Rate
Labor	1,575,221		
Material	2,747,841		
	4,323,062	4,323,062	
Estimating Contingency	648,459		15.00 %
	648,459	4,971,521	
General Conditions	397,722		8.00 %
	397,722	5,369,243	
Overhead and Profit	268,462		5.00 %
	268,462	5,637,705	
Insurance and Bonds	112,754		2.00 %
	112,754	5,750,459	
Escalation	239,794		4.17 %
	239,794	5,990,253	
Total		5,990,253	584.41 /sf



Board of Education Synopsis

Topic: Swimming Pool Fees & Wage Proposal

Estimated Time (in minutes): 10 Minutes

Date of Board Meeting: February 3,

Requested Board Action (check one): Approval Information Item 1st Reading 2nd Reading

PURPOSE/OBJECTIVE:

Update the Pool Operations Fees Schedule and Wages paid for pool personnel.

Last fall, the business office was asked to consider a proposal to increase the fees charged for admission to the pools and other related pool activities and to update the salary schedule for pool related jobs. HR was asked to review the wage request and based on their review, the salary for two positions was increased, three positions were not increased.

In December, the board approved an increase in pay for student custodians. At that time, it was communicated that we would be bringing to the board a proposal to update the pool salary schedules for lifeguards etc.

Attached to this synopsis are three PDF files. One provides information regarding current and proposed fees; one provides information regarding current and proposed wages; one includes a comparison of fees and admission charges for other pool facilities around us.

Please contact Zane if you have any questions.

Budget and Implementation

Budget: Pool Operations Budget

Implementation Timeline: Effective date of change: March 1st, 2022



Critical Questions:

When was the last time pool fees and wages were increased?

The fees have not changed since the pools were reopened after renovation (Ben Lomond Pool January of 2016). Wages have not increased since February 18, 2026, six years ago.

Are the proposed fees comparable to neighboring pools?

Please see the attached comparison.

Recommended Action

Consensus to add this proposal to the February 17, 2022 consent calendar agenda for formal approval.

Proposed Salaries:									
Aquatics Manager	Lane 220	200 Currently	JAT	FT					
Pool Maintenance Manager - Maintenance III	Lane 120	100 Currently	JAT	FT					
Assistant Aquatics Manager	Lane 120	90 Currently	JAT	FT					
Aquatics Program Coordinator	Lane 80	New -- Position currently being paid as a head lifeguard				Part-time			Proposed Increase
Aerobics Instr (Per Class -- 1.5 hrs per class)	\$18.00	\$19.00	\$20.00	\$21.00	\$22.00	\$23.00	per class	17	\$1.00
Aquatics Competitive Head Coach	\$16.00	\$16.50	\$17.00	\$17.50	\$18.00	\$18.50		New Position	\$1.00
Private Swim Instructor	\$15.00	\$15.50	\$16.00	\$16.50	\$17.00	\$17.50		New Position	\$0.00
Assistant Aquatic Competitive Coach	\$13.00	\$13.50	\$14.00	\$14.50	\$15.00	\$15.50		New Position	-\$2.00
Head Lifeguard	\$13.00	\$13.50	\$14.00	\$14.50	\$15.00	\$15.50		11.5	\$1.50
Head Instructor	\$13.00	\$13.50	\$14.00	\$14.50	\$15.00	\$15.50		11.5	\$1.50
Swim Instructor	\$12.00	\$12.50	\$13.00	\$13.50	\$14.00	\$14.50		10.75	\$1.25
Lead Guard	\$12.00	\$12.50	\$13.00	\$13.50	\$14.00	\$14.50		10.75	\$1.25
Lifeguard	\$11.00	\$11.50	\$12.00	\$12.50	\$13.00	\$13.50		10	\$1.00
Approved through JAT Review by HR									
Going forward, swimming pool schedule will increase with other COLA's to OESPA Salary Schedule									

	Resident	Non-Resident	Currently	
General Admission	\$4.00		\$3.00	
10 Punch Pass	\$35.00		\$25.00	
20 Punch Pass	\$60.00		\$40.00	
40 Punch Pass	\$100.00		\$70.00	
Individual Membership 3 month	\$60.00	\$65.00	\$40.00	\$45.00
Individual Membership 6 month	\$90.00	\$100.00	\$75.00	\$85.00
Individual Membership 12 month	\$155.00	\$175.00	\$140.00	\$160.00
Additional Member	\$25		\$20.00	
District Individual	Free		\$70.00	
District Household - 2 adults and dependents	\$100			
Group Swim Lessons	\$40.00	\$45.00	\$40.00	\$45.00
Private Swim Lesson	\$15.00	\$20.00	\$15.00	\$18.00
Quarterly Swim/Water Polo/Triathlon Fee	\$95.00	\$100.00		
Special Community Events Admission	\$3.00	\$3.00		
Aquanaut Kids Camp	\$20.00	\$30.00		
Purchase Price				
Swim Diapers	\$2			
Goggles	\$10			
Towels	\$10			
Locks	\$10			

	Ogden (Current)	Ogden (Proposed)	Roy	Clearfield	South Davis	Lorrin Farr (Seasonal)	North Shore (Seasonal)
LG Starting Wage	\$10.00	\$11.00	\$8.62	\$12.00	\$12.00	\$10.00	\$10.00
Daily Admission	\$3.00	\$4.00	\$5.00	\$7.00	\$7.00	\$3.00	\$6.50
10 Punch Pass	\$25.00	\$35.00	\$28.00	\$105 (15 Visits)	N/A	\$25.00	\$55.00
20 Punch Pass	\$40.00	\$60.00	N/A	N/A	\$150 (25 Visits)	N/A	N/A
40 Punch Pass	\$70.00	\$100.00	N/A	N/A	N/A	N/A	N/A
Individual Membership 3 month	\$40.00	\$60.00	\$75.00	N/A	\$88.50	\$40.00	N/A
Individual Membership 6 month	\$75.00	\$90.00	\$150.00	N/A	\$177.00	N/A	N/A
Individual Membership 12 month	\$140.00	\$155.00	\$240.00	\$348.00	\$330.00	N/A	N/A



Board of Education Synopsis

Topic: NICE Health (<https://www.nice.healthcare/>)

Estimated Time (in minutes): 15 Minutes

Date of Board Meeting: February 3,

Requested Board Action (check one): Approval Information Item 1st Reading 2nd Reading

PURPOSE / OBJECTIVE:

To inform the board regarding an employee benefit enhancement the Business and HR Offices would like to roll out to employees Effective the beginning of the 4th quarter of the year (April 1, 2022). This benefit enhancement will save the district in healthcare costs and provide further incentives to attract and retain employees.

Last fall, the district Benefits Advisory Committee was provided a presentation (see attached) introducing them to NICE Healthcare. (Board member Wilson was in attendance at this meeting.) For the past few years, the business office has looked at a number of options to provide employees with in-house direct care options similar to that being offered by Granite School District. A number of options have been explored to provide these services. All of which would require significant capital expense to modify space to provide the clinical facility and contracting with a firm to man and manage the clinic. Early last fall, I was introduced to NICE Healthcare. NICE provides “comprehensive, on-demand in-home and virtual care affordably priced and delivered by highly trained clinicians who take the time to provide amazing care.” With NICE Healthcare, we have, what I believe, is the ideal mechanism to provide direct care services without the necessity of utilizing district space. To use their own words, NICE Healthcare is “The Clinic That Comes To You”. Imagine TeleDoc, but with a live body, in person.

Attached to this synopsis is a copy of the presentation and a link to the NICE Healthcare website. Please contact Zane if you have any questions.

Budget and Implementation

Budget: Health Insurance Budget

Implementation Timeline: Effective date of change: March 1st, 2022



Critical Questions:

What is the Cost?

\$36 per insured employee per month.

What is the potential Cost Avoidance after paying the monthly fee?

The greater the utilization the greater the savings. Based on claims history from Sept '20 - August '21:

- **RX Costs: \$139,400**
- **Medical Costs:**
 - **\$85K (assuming 10% Utilization)**
 - **\$236K (assuming 15% Utilization)**
 - **\$540K (assuming 25% Utilization)**

Does this change our insurance in e plan?

No, NICE is separate from insurance and is paid through a monthly invoice so there's no coordination with the medical plan.

What does it cost the employee?

The benefit comes at zero cost to the employee. However, under the ACA, employees on a high deductible plan may be required to pay a minimal fee (\$5-\$10) for some services.

Recommended Action

Consensus to add this proposal to the February 17, 2022 consent calendar agenda for formal approval.



The Clinic That Comes to You

Ogden School District

November 16, 2021



Traditional In-Network Clinics Are Not Nice



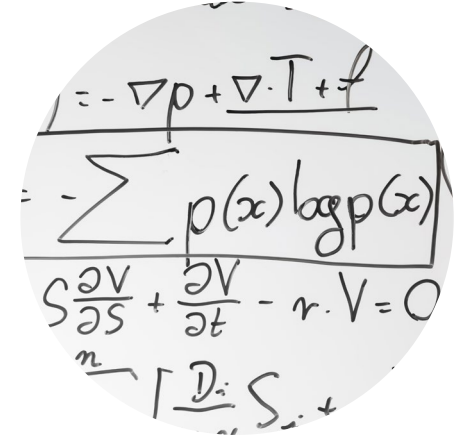
Inconvenient

Wasted time due to long drive times, sitting in germ-filled waiting rooms, and visits that routinely start late.



Ineffective

Rushed visits and limited availability encourage patients to postpone care or use urgent care or the emergency room.



Unaffordable

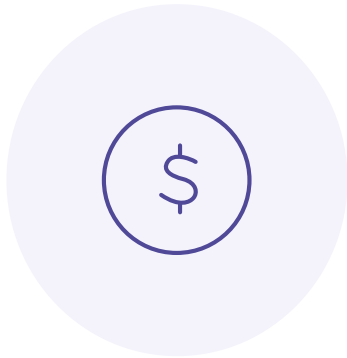
High cost labs, imaging, and Rx coupled with high deductibles and unclear visits costs are making healthcare untenable.



What is Nice?

Comprehensive, on-demand in-home and virtual care affordably priced and delivered by highly trained clinicians who take the time to provide amazing care.

Nice Improves Your Benefits While Lowering Your Costs



Replace Cost Drivers

Significantly reduce imaging, lab, and Rx costs while also eliminating a portion of your urgent care and ER visits.



Retain Employees

Patients absolutely love Nice and it is viewed as a significant benefits improvement even when paired with other cost reduction measures.



Save Time

Easy implementation, fewer questions from employees on healthcare, no travel time, and non-work hour visit options.

Relied on by Hundreds of Companies

12

Markets

50,000+

Members
Covered

25

Distribution Partners

300+

Clients

40,000+

Visits Completed

10

Carriers Providing
Premium Discount



How Nice Works



Patients Start with a Chat or Video Visit

- ✓ Patient history
- ✓ Medication review
- ✓ Diagnosis
- ✓ Care guidance
- ✓ Education

If Needed, a Home Visit Follows

- ✓ Physical exam
- ✓ Rapid tests
- ✓ Blood draws
- ✓ Labs
- ✓ Imaging



After Diagnosis, Clinicians Provide Next Steps



Care Plan

Patients are provided a care plan for their acute or chronic condition with the steps to take to help them recover quickly and responsibly.



Rx

Prescriptions are sent to the patient's local pharmacy and are free if they are one of the 550+ medications available from Nice.



Nice Specialty Care

Patients in need of care for mental health or musculoskeletal issues are offered Nice specialty care for ongoing treatment.



Specialist Referral

For specialized needs, patients are referred to the appropriate next step for care along with the relevant documents.



Nice Pharmacy



**100+ Free
Acute Meds**



**400+ Free
Chronic Meds**

In addition to standard prescriptions, Nice also offers 550+ **FREE** medications delivered by mail or available for pickup at 65,000+ pharmacies.



Nice Specialty Care



**Mental Health
Therapy**



**Physical
Therapy**

Patients in need of more expansive mental health or musculoskeletal support are offered **FREE** virtual care for ongoing treatment.

Care Support Team Ensures Frustration-Free Care



Scheduling Support

99% of visits happen same day, and all patients are provided very clear expectations as well as scheduling flexibility.



Pharmacy Support

Patients can quickly switch pharmacies, adjust delivery timelines, and get questions answered on their Rx.



Care Coordination

A helping hand for questions, lab results, medical record coordination, referral support, and much much more.

Extended Hours for a Little More Nice

Virtual Visit Hours

Monday – Friday: 8am to 7pm

Saturday – Sunday: 9am to 12pm

[99% Same Day Virtual Visits]

Home Visit Hours

Monday – Friday: 9am to 5pm

[90% Same Day Home Visits]



Why Choose Nice?

Comprehensive In-Home and Virtual Care in One Place



Primary Care



Physical Therapy



Mental Health



Pharmacy



Specialist Referrals



Labs



Imaging



Care Coordination

More Healthcare Bang for Your Buck

FREE with PEPM

- Wellness, acute, and chronic care
- Chat, video, and home visits
- In-home x-rays
- 35+ labs
- 550+ medications
- Medication delivery
- Virtual physical therapy
- Virtual mental health therapy*
- Care coordination

White glove service

Model allows clinicians to spend more time with patient care while also providing for a full service care support team to handhold patients.

Includes majority of everyday care

Primary care, imaging, and common labs, medications, and specialty care are all covered.

Approach drives high utilization

Incredible ease of use combined with high quality care drives high employee utilization.

Patients Love Nice

Attract new employees and retain existing employees with a health benefit offering that patients truly love and for which they will actually thank you. Nice makes it so easy for employees to get great care that you will see a happier, healthier, more productive workforce.



93.2
Overall NPS



98%
Rate Care as Better
Than Previous Clinic



3x
The Utilization of
Other Virtual Care



9.5/10
Scheduling Rating








The Nicest Benefit In Town

You don't have to choose between cost and quality, you can have both. Nice brings beloved, frustration-free care at costs that are below what you are already paying – a perfect complement to any plan design.

The More Employees Use Nice, The More You'll Save*

Typical Care Costs

	Primary Care	\$80 to \$240
	Mental Health Therapy	\$80 to \$120
	Physical Therapy	\$80 to \$120
	Labs	\$50 to \$250
	Rx	\$25 to \$350
	Imaging	\$100 to \$250
	ER & Urgent Care	\$150 to \$750

Replaced Care

For every visit a patient has with Nice, that is one they won't have with higher-priced and often lower quality traditional care.

Reduced Supplementary Care Costs

Labs, imaging, and Rx that patients get through Nice will often be free and will always be cheaper than traditional care.

Eliminated High-Dollar Care

Nice is so easy to use that clients typically see a notable reduction in urgent care and ER visits.

*On average, employers will see a net savings of \$453 per employee per year

Rx Cost Takeout: Ogden School District

We analyzed actual employer claims history from Sept '20 – Aug '21. Nice would have saved the district \$139,400 and covered 53% of all prescriptions filled, using our current Rx formulary.



700

Employees



\$139,400

Potential Cost Avoidance



\$16.60

Potential Savings PEPM

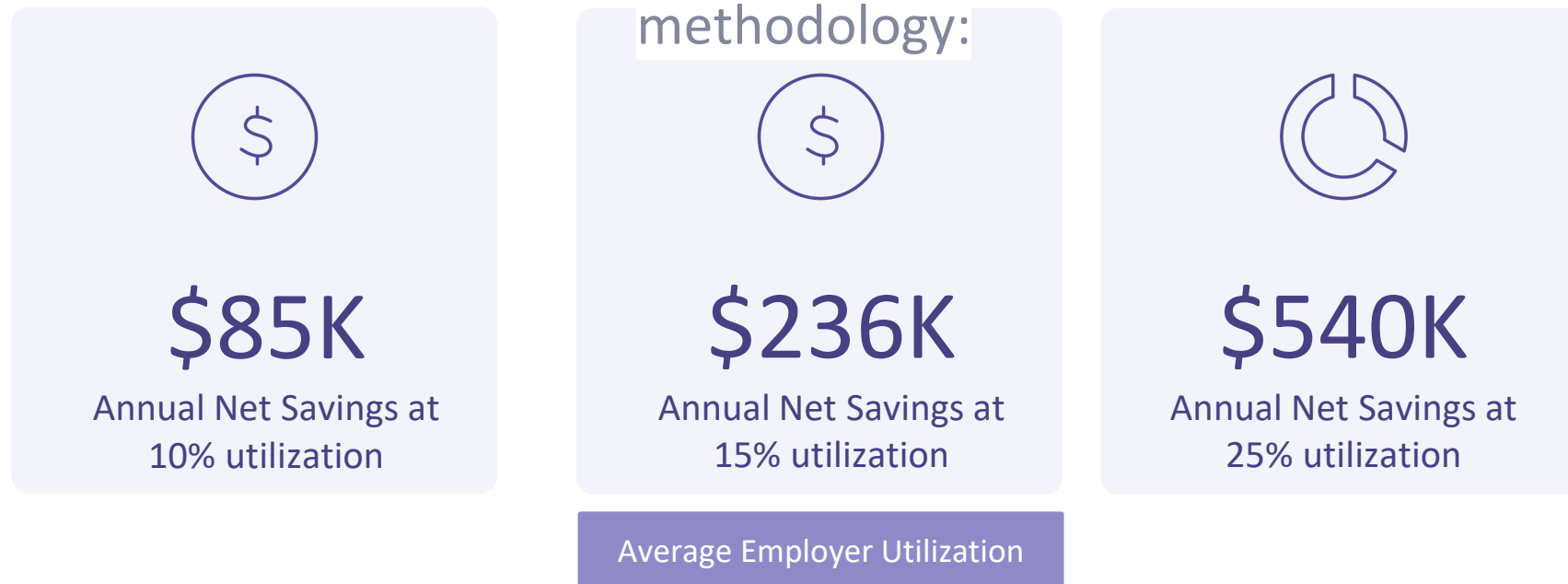


53%

Of All Scripts Covered

Medical Cost Takeout: Ogden School District

After paying the Nice fees of \$36 PEPM, the District would save the following amounts at the respective levels of utilization under our cost avoidance





Starting with Nice is Easy

- To get started, all that's required is a quarterly eligibility list.
- You will get your very own Nice engagement specialist who will work closely with you to engage and support your employees.
- We'll provide marketing materials, language, and campaigns so no heavy lifting for you.
- Nice is separate from insurance and is simply paid through a monthly invoice so there's no coordination needed with your plan.



NICE Service Area- Northern Utah

