VCBO®

25315 - BESD TREMONTON ELEMENTARY
2900 West 500 North Tremonton, UT

Project No. 25315

Addendum **ADD-003.0**

To: DWA Construction
76 W 2400 N, North Logan, UT 84341

Reason: Coordination

Date: **Thu July 23, 2026**

Reference: ***CADD-3.0*** *Meridian Engineering Inc*
EADD-3.0 *Resolut (Formerly VBFA + BNA)*
SADD-3.0 *Ensign Engineering*

Addendum

ADDENDUM 003

Architectural:

2026-07-22 Addn3 ProjManual Attachments.pdf
07/23/2026

2026-07-23 Drawings_Add 3
07/23/2026

END OF ADD-003.0

Issued By: **VCBO Architecture:** Breanna Bonsavage

cc:

Gerald Jackman	Box Elder School District (BESD)	gerald.jackman@besd.net
Nathan Hansen	DWA Construction	dwanate.h@dwaconstruct.com
Nathan Tilley	DWA Construction	nathan.t@dwaconstruct.com
Shane Wilde	DWA Construction	shanew@dwaconstruct.com
Wayne Anderson	DWA Construction	wayne.a@dwaconstruct.com
Marlow Vasquez	Ensign Engineering	mvasquez@ensignutah.com
Scott Roche	Ensign Engineering	sroche@ensignutah.com
Jacob Lewis	Meridian Engineering Inc	jlewis@meiamerica.com
Nichole Luthi	Meridian Engineering Inc	nluthi@meiamerica.com
Brian Ramos	Resolut (Formerly VBFA + BNA)	bramos@resolutgroup.com
Drayton Bailey	Resolut (Formerly VBFA + BNA)	dbailey@resolutgroup.com
Eric Skinkis	Resolut (Formerly VBFA + BNA)	eskinkis@resolutgroup.com
Zachary Edgren	Resolut (Formerly VBFA + BNA)	zedgren@resolutgroup.com
Breanna Bonsavage	VCBO Architecture	bbonsavage@vcbo.com
Justen Christensen	VCBO Architecture	jrchristensen@vcbo.com
Pamela Irvine	VCBO Architecture	pirvine@vcbo.com
Samuel Riley	VCBO Architecture	sriley@vcbo.com
Mack Moulton	Van Boerum & Frank Associates (Now Resolut)	mmoulton@resolutgroup.com
Spencer Howell	Van Boerum & Frank Associates (Now Resolut)	showell@resolutgroup.com

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BID FORM
BESD Tremonton Elementary School

Bid form must be completed in its entirety for bid to be considered.

Subcontractor/supplier name: _____

Business Address: _____

Point of Contact: _____

Phone Number: _____

Email Address: _____

Contractor License Number: _____

BID TO: DWA Construction, Inc.
76 West 2400 North - P.O. Box 3448 - Logan, Utah 84323-3448
Phone: 435-752-6860 Fax: 435-752-7606
E-mail: dwanate.h@dwaconstruct.com

PLEASE NOTE that this project is tax exempt – DO NOT include sales tax.
If you are bidding more than one specification section,
Please attach additional breakdown information.

Acknowledge addendums: (list each separately) ___, ___, ___, ___, ___, ___, ___, ___.

Bidding Section(s):

_____

_____

Base bid: ($_____)

Written amount: _____dollars

(In case of discrepancy between the written amount and numeral, written amount will govern)

ADDITIONAL INFORMATION NEEDED:

Mechanical:
Division 22-23: (Must be a complete bid)

Plumbing Contractor _____

Cost $ _____

HVAC Contractor _____

Cost $_____

Controls Contractor _____

Cost $_____

Test & Balance Contractor _____

Cost $_____

Insulation Contractor _____

Cost $_____

Electrical:

Division 26 (Must be a complete bid and include a temporary 400 AMP temporary service)

Electrical Contractor _____

Cost $_____

Fire Alarm System contractor _____

Cost $_____

Intercommunications System contractor _____

Cost $ _____

Sound System contractor _____

Cost $ _____

Sound Amplification System contractor _____

Cost $ _____

Division 27

Telecommunications cabling system contractor _____

Cost $ _____

Bid Alternate 1: Please provide alternate pricing to furnish and install Engineered Wood Fill in lieu of the Poured-In-place rubber surfacing that is listed as the basis of design in the specifications.

DEDUCT ($_____)

Written amount: _____dollars

Bid Alternate 2: Please provide additive or deductive alternate pricing to use NLight or Wattstopper lighting control systems in lieu of the basis of design listed in specification section 26 0943.

(Please Circle One) ADD DEDUCT

($_____)

Written amount: _____dollars

Bid Alternate 3: Please provide additive or deductive alternate pricing to use an 80-mil PVC roof membrane with a 30-year warranty in lieu of the basis of design listed in spec section 07 5420.

(Please Circle One) ADD DEDUCT ($_____)

Written amount: _____dollars

Bid Alternate 4: Please provide additive or deductive alternate pricing to use an 80-mil TPO roof membrane with a 30-year warranty in lieu of the basis of design listed in spec section 07 5420.

(Please Circle One) ADD DEDUCT ($_____)

Written amount: _____dollars

ADDITIONAL BIDDING REQUIREMENTS:

(Failure to respond where required may result in disqualification of bid)

1. Bids shall be priced lump sum to furnish and / or install all material and / or equipment as required by plans and specifications for a complete installation.

2. The construction duration portion of this project will be 16 months or less. Material and equipment must be delivered and installed in accordance with the Construction Manager's schedule as updated throughout the project. Liquidated damages are $1,500.00 per day. **See Advertisement for Bids.**

3. COST OF PAYMENT AND PERFORMANCE BOND: $_____.
   Only bids over $250,000.00 may require a performance and payment bond at CM/Owner option.
   (This amount will be added to the base bid amount, if payment and performance bonds are required. If no amount is provided, it will be presumed that the bidder is unable to bond for its work on this project and may be cause for rejection).

4. The Construction Manager and Owner reserve the right to accept or reject any, and all proposals or alternates with or without cause for any reason determined to be in the owner's best interest and to waive any bidding informality or irregularity.

5. The undersigned bidder, having examined the Drawings, Specifications and related documents in their entirety, and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of labor, hereby proposes to complete the work listed above in accordance with the Contract Documents and within the time set forth, at the price stated above and upon the subcontract form included in the Specifications. The above price is to cover all expenses incurred in performing the work required under the Contract Documents.

6. CONTRACTOR'S QUALIFICATION STATEMENT: Upon request the low bidders shall submit AIA Document A305 Contractor's Qualification Statement. Failure to show a statement satisfactory to the Owner or Construction Manager will be reason to reject the bid as non-responsive. Past performance on similar projects, the demonstrated ability to complete work on schedule and ability to perform the work on this project to the satisfaction of the Owner and Construction Manager will be a priority.

BY ITS SIGNATURE, BIDDER ACKNOWLEDGES THAT THE BID DOCUMENTS ARE A COMPLETE PACKAGE. BIDDER CERTIFIES IT HAS REVIEWED ALL BID DOCUMENTS TO DETERMINE ITS TOTAL SCOPE OF WORK AND HAVE INCLUDED ALL RELATED COSTS.

_____
Name of Bidder

_____
Authorized Signature

_____ Date _____
Printed name of authorized signature Contact phone number

_____

_____
Contractor License Number:

SECTION 08 8000

GLAZING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. **This Section includes** glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:
   1. Windows.
   2. Doors.
   3. Glazed entrances.
   4. Interior borrowed lites.

B. **Related Sections**:
   1. Section 05 5000 "**Metal Fabrications**" for aluminum glazing channels at interior locations.
   2. Section 12 3200 "**Manufactured Cabinets and Casework**" for opaque panels to be glazed into frames ("Type E").

1.3 DEFINITIONS

A. **Manufacturer**: A firm that produces primary glass or fabricated glass as defined in referenced glazing publications.

B. **Interspace**: Space between lites of an insulating-glass unit that contains dehydrated air or a specified gas.

C. **Deterioration of Coated Glass**: Defects developed from normal use that are attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in metallic coating.

D. **Deterioration of Insulating Glass**: Failure of the hermetic seal under normal use that is attributed to the manufacturing process and not to causes other than glass breakage and practices for maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.

E. **Security Glazing**: A clear or tinted durable material applied to glass doors and windows that enhances the structural integrity of the glass by preventing it from shattering and falling to the ground when impacted by an object and meets the minimum performance standards specified.

1.4 PERFORMANCE REQUIREMENTS

A. **General**: Provide glazing systems capable of withstanding normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, and installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

B. **Glass Design**: Glass thicknesses indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lites for various size openings in nominal thicknesses indicated, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria:

1. **Glass Thicknesses**: Select minimum glass thicknesses to comply with ASTM E 1300, according to the following requirements:
    a. Specified Design Wind Loads: Determine design wind loads applicable to Project from basic wind speed indicated in miles per hour (meters per second) at 33 feet (10 m) above grade, according to ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 6.4.2, "Analytic Procedure," based on mean roof heights above grade indicated on Drawings.
    b. Specified Design Snow Loads: As indicated, but not less than snow loads applicable to Project, required by ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 7, "Snow Loads."
    c. Probability of Breakage for Vertical Glazing: 8 lites per 1000 for lites set vertically or not more than 15 degrees off vertical and under wind action.
        1) Load Duration: 60 seconds or less.
    d. Maximum Lateral Deflection: For the following types of glass supported on all four edges, provide thickness required that limits center deflection at design wind pressure to 1/50 times the short side length or 1 inch (25 mm), whichever is less.
        1) For monolithic-glass lites heat treated to resist wind loads.
        2) For insulating glass.
    e. Minimum Glass Thickness for Exterior Lites: Not less than 6 mm.
    f. Thickness of Tinted and Heat-Absorbing Glass: Provide the same thickness for each tint color indicated throughout Project.

C. **Thermal Movements**: Provide glazing that allows for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures acting on glass framing members and glazing components. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 degrees F, ambient; 180 degrees F, material surfaces.

D. **Thermal and Optical Performance Properties**: Provide glass with performance properties specified based on manufacturer's published test data, as determined according to procedures indicated below:

1. For monolithic-glass lites, properties are based on units with lites 6 mm thick.
2. For insulating-glass units, properties are based on units with lites 6 mm thick and a nominal 1/2-inch- (13-mm-) wide interspace.
3. Center-of-Glass U-Values: NFRC 100 methodology using LBL-35298 WINDOW 4.1 computer program, expressed as Btu/ sq. ft. x h x degrees F (W/sq. m x K).
4. Center-of-Glass Solar Heat Gain Coefficient: NFRC 200 methodology using LBL-35298 WINDOW 4.1 computer program.
5. Solar Optical Properties: NFRC 300.

1.5 SUBMITTALS

A. **Product Data:** For each glass product and glazing material indicated.

B. **Samples**: For the following products, in the form of 12-inch- square Samples for glass and of 12-inch- long Samples for sealants. Install sealant Samples between two strips of material representative in color of the adjoining framing system.
1. Each color of tinted float glass.
2. Coated vision glass.
3. Insulating glass for each designation indicated.
4. For each color (except black) of exposed glazing sealant indicated.

C. **Glazing Schedule**: Use same designations indicated on Drawings for glazed openings in preparing a schedule listing glass types and thicknesses for each size opening and location.

D. **Product Certificates**: Signed by manufacturers of glass and glazing products certifying that products furnished comply with requirements.

E. **Preconstruction Adhesion and Compatibility Test Report**: From glazing sealant manufacturer indicating glazing sealants were tested for adhesion to glass and glazing channel substrates and for compatibility with glass and other glazing materials.

F. **Product Test Reports**: From a qualified testing agency indicating the following products comply with requirements, based on comprehensive testing of current products:
1. Coated float glass.
2. Insulating glass.
3. Glazing sealants.
4. Glazing gaskets.

G. **Warranties**: Special warranties specified in this Section.

1.6 QUALITY ASSURANCE

A. **Installer Qualifications**: : An experienced installer who has completed glazing similar in material, design and extent to that indicated for this project; whose work has resulted in glass installations with a record of successful in-service performance.

B. **Source Limitations for Clear Glass**: Obtain clear float glass from one primary-glass manufacturer.

C. **Source Limitations for Tinted Glass:** Obtain tinted, heat-absorbing, and light-reducing float glass from one primary-glass manufacturer for each tint color indicated.

D. **Source Limitations for Coated Glass**: Obtain coated glass from one manufacturer for each type of coating and each type of class of float glass indicated.

E. **Source Limitations for Insulating Glass**: Obtain insulating-glass units from one manufacturer using the same type of glass and other components for each type of unit indicated.

F. **Source Limitations for Glazing Accessories**: Obtain glazing accessories from one source for each product and installation method indicated.

G. **Glass Product Testing:** Obtain glass test results for product test reports in "Submittals" Article from a qualified testing agency based on testing glass products.
   1. Glass Testing Agency Qualifications: An independent testing agency with the experience and capability to conduct the testing indicated, as documented according to ASTM E 548.

H. **Elastomeric Glazing Sealant Product Testing**: Obtain sealant test results for product test reports in "Submittals" Article from a qualified testing agency based on testing current sealant formulations within a 36-month period.
   1. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated, as documented according to ASTM E 548.
   2. Test elastomeric glazing sealants for compliance with requirements specified by reference to ASTM C 920, and where applicable, to other standard test methods.

I. **Preconstruction Adhesion and Compatibility Testing**: Submit to elastomeric glazing sealant manufacturers, for testing indicated below, samples of each glass type, tape sealant, gasket, glazing accessory, and glass-framing member that will contact or affect elastomeric glazing sealants.
   1. Use manufacturer's standard test methods to determine whether priming and other specific preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, tape sealants, gaskets, and glazing channel substrates.
      a. Perform tests under normal environmental conditions replicating those that will exist during installation.
   2. Submit not fewer than nine pieces of each type and finish of glass-framing members and each type, class, kind, condition, and form of glass (monolithic, laminated, and insulating units) as well as one sample of each glazing accessory (gaskets, tape sealants, setting blocks, and spacers).
   3. Schedule sufficient time for testing and analyzing results to prevent delaying the Work.
   4. For materials failing tests, obtain sealant manufacturer's written instructions for corrective measures, including the use of specially formulated primers.
   5. Testing will not be required if elastomeric glazing sealant manufacturers submit data based on previous testing of current sealant products for adhesion to, and compatibility with, glazing materials matching those submitted.

J. **Fire-Rated Door Assemblies**: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities have jurisdiction, for fire ratings indicated, based on testing according to NFPA 252.

K. **Fire-Rated Window Assemblies**: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 257.

L. **Safety Glass**: Category II materials complying with testing requirements in 16 CFR 1201 and ANSI Z97.1.
   1. Subject to compliance with requirements, permanently mark safety glass with certification label of Safety Glazing Certification Council or another certification agency acceptable to authorities having jurisdiction.

M. **Security Glass**: Clear or tinted material applied to glass that together meet the following minimum standards required by Utah Public Safety Administration under Rule R698-13 School Safety.
   1. ASTM F3561, Standard Test Method for Forced-Entry-Resistance of Fenestration Systems After Simulated Active Shooter Attack

a. Minimum Level 3 of Table 2, Potential Energy of Impactor and Drop Height.

2. ANSI Z97.1-15(R2020) American National Standard
   a. Must meet the durability requirements of Sections 5.3 and 5.4.

M. **Glazing Publications:** Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
1. GANA Publications: GANA'S "Glazing Manual" and "Laminated Glass Design Guide."
2. AAMA Publications: AAMA GDSG-1, "Glass Design for Sloped Glazing," and AAMA TIR-A7, "Sloped Glazing Guidelines."
3. SIGMA Publications: SIGMA TM-3000, "Vertical Glazing Guidelines," and SIGMA TB-3001, "Sloped Glazing Guidelines."

N. **Dual Seal Certification Program**: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the following inspecting and testing agency:
1. Insulating Glass Certification Council.
2. Associated Laboratories, Inc.
3. National Accreditation and Management Institute.

O. **Certificate of Assembled U-factor and Solar Heat Gain Coefficient (SHGC)**: The installer or supplier on the fenestration system (which includes the glazing (including spacer) as well as the aluminum system) shall provide a signed and dated certificate for the installed fenestration system listing the assembly U-factor, the solar heat gain coefficient and the air leakage rate. This is to meet the exception to the Labeling of Fenestration Products under Item 5.8.2.2 of the ANSI/ASHRA/IESNA STANDARD 90.1-2007 and the requirements of IECC. Energy performance of fenestration must be determined based on criteria of NFRC 100 and 200. For LEED submissions or where windows and doors are to be site-built, furnish certificate of overall product performance generated using NFRC Component Modeling Approach software tool (CMAST).
1. Fenestration systems shall have a **maximum assembly U value of 0.38** and a **maximum SHGC of 0.20**.
2. Certifications reflecting only the center of glass values are not acceptable.
3. Once all site-built components have been installed, but prior to final inspection, the Contractor shall retain an ACE (Approved Calculation Entity) to generate the NFRC label certificate for the project based on the actual products installed.
4. All costs associated with certification of fenestration systems shall be borne by the contractor.

P. **Pre-installation Conference**: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Meetings."

1.7 DELIVERY, STORAGE, AND HANDLING

A. **Protect glazing materials** according to manufacturer's written instructions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

B. **For insulating-glass units** that will be exposed to substantial altitude changes, comply with insulating-glass manufacturer's written recommendations for venting and sealing to avoid hermetic seal ruptures.

1.8 PROJECT CONDITIONS

A. **Environmental Limitations**: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1. **Do not install liquid glazing sealants** when ambient and substrate temperature conditions are outside limits permitted by glazing sealant manufacturer or below 40 degrees F.

1.9 WARRANTY

A. **General Warranty**: Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. **Manufacturer's Special Warranty on Coated-Glass Products**: Written warranty, made out to Owner and signed by coated-glass manufacturer agreeing to furnish replacements for coated-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

1. **Warranty Period**: **10 years** from date of Substantial Completion.

C. **Manufacturer's Special Warranty on Insulating Glass**: Written warranty, made out to Owner and signed by insulating-glass manufacturer agreeing to furnish replacements for insulating-glass units that deteriorate as defined in "Definitions" Article, f.o.b. the nearest shipping point to Project site, within specified warranty period indicated below.

1. **Warranty Period**: **10 years** from date of Substantial Completion.

D. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PRODUCTS AND MANUFACTURERS

A. **Basis of Design:** Contract Documents are based on products specified below to establish a standard of quality. Other manufacturers offering products with equivalent characteristics may be considered, provided deviations are minor and design concept as expressed in the Contract Documents is not changed, as judged by the Architect.

1. Vision Glass
   a. Manufacturer: Vitro Architectural Glass (formerly PPG Glass)
   b. Product: ~~Solarban 60~~ **Solarban 70 (formerly Solarban 70XL)**.
2. Acid-Etched Glass
   a. Manufacturer: AGC Flat Glass North America, Inc.
   b. Product: Matelux, single-sided.

2.2 PRIMARY FLOAT GLASS

A. **Float Glass**: ASTM C 1036, Type I (transparent glass, flat), Quality q3 (glazing select); class as indicated in schedules at the end of Part 3.

2.3 HEAT-TREATED FLOAT GLASS

A. **Fabrication Process**: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed, unless otherwise indicated.

B. **Heat-Treated Float Glass:** ASTM C 1048; Type I (transparent glass, flat); Quality q3 (glazing select); class, kind, and condition as indicated in schedules at the end of Part 3.

2.4 COATED FLOAT GLASS

A. **General:** Provide coated glass complying with requirements indicated in this Article and in schedules at the end of Part 3.
   1. Provide Kind HS (heat-strengthened) coated float glass in place of coated annealed glass where needed to resist thermal stresses induced by differential shading of individual glass lites and to comply with glass design requirements specified in "Performance Requirements" Article. Provide Kind FT (fully tempered) where safety glass is indicated.

B. **Sputter-Coated Float Glass**: Float glass with metallic-oxide or metallic-nitride coating deposited by vacuum deposition process after manufacture and heat treatment (if any), complying with requirements specified in schedules at the end of Part 3.

2.5 ACID-ETCHED GLASS

A. **Properties:**
   1. Texture: Minimal transparency; translucent effect.
   2. Uniformly acid-etch clear glass surface to provide a satin, translucent finish.
   3. Provide tempered glass where indicated on Drawings or where required by authorities having jurisdiction.
   4. Orient etched side away from possible contact.

2.6 LAMINATED GLASS

A. Laminated Glass: ASTM C1172. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.
   1. Construction: Laminate glass with polyvinyl butyral interlayer or ionoplast interlayer to comply with interlayer manufacturer's written instructions.
   2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.
   3. Interlayer Color: Clear unless otherwise indicated.

B. Enhanced Forced Entry Laminated Glass: Where security glazing is indicated, comply with requirements specified above for laminated glass except laminate glass with one of the following to comply with ASTM F5361 "Standard Test Method for Forced-Entry-Resistance of Fenestration Systems After Simulated Active Shooter Attack," Level 3 of Table 2:
   1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
      a. If preparation of glass surfaces is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.
   2. Construction: Laminate glass with ionoplast interlayer to comply with interlayer manufacturer's written instructions.

3. Interlayer Thickness: Provide not less than 0.090 thickness and as needed to comply with requirements.

4. Interlayer Color: Clear unless otherwise indicated.

2.7 INSULATING GLASS

A. **Insulating-Glass Units**: Preassembled units consisting of sealed lites of glass separated by a dehydrated interspace, and complying with ASTM E 774 for Class CBA units and with requirements specified in this Article and in the Insulating-Glass Schedule at the end of Part 3.

1. Provide Kind HS (heat-strengthened) float glass in place of annealed glass where needed to resist thermal stresses induced by differential shading of individual glass lites and to comply with glass design requirements specified in "Performance Requirements" Article. Provide Kind FT (fully tempered) where safety glass is indicated.

B. **Overall Unit Thickness and Thickness of Each Lite**: Dimensions indicated in the Insulating-Glass Schedule at the end of Part 3 are nominal and the overall thicknesses of units are measured perpendicularly from outer surfaces of glass lites at unit's edge.

C. **Sealing System**: Dual seal, with primary and secondary sealants as follows:

1. Primary Seal: Polyisobutylene.
2. Secondary Seal: Silicone.

D. **Spacer Specifications**: Manufacturer's standard spacer material and construction complying with the following requirements:

1. Aluminum with mill or clear-anodized finish.
2. Desiccant: Molecular sieve or silica gel, or blend of both.
3. Corner Construction: Manufacturer's standard corner construction.

2.8 GLAZING FILM

A. In lieu of film, where film is indicated provide pattern by sandblasting or acid-etching.

~~A. **Acceptable Manufacturer:** Subject to compliance with requirements of Contract Documents, provide the following products. Submit substitutions according to the Conditions of the Contract and provisions of Division 1 sections.~~

~~1. Manufacturer: 3M.~~

~~2. Product: Fasara™ Linen, SH2FGLN (or as selected by Architect after submission of samples).~~

~~B. **Properties**:~~

~~1. Backing: Acrylic pressure sensitive adhesive.~~

~~2. Color: White.~~

~~3. Film Thickness: 2.76 - 5.51 mil.~~

~~4. Material: Polyester.~~

~~5. Opacity: Translucent.~~

2.9 SANDBLASTED GLASS

A. Sandblasted Glass: Where "frosted" glass is indicated, provide sandblasted glass with decorative pattern applied uniformly.

1. Glass Type: Low-iron, fully tempered float glass.

2. Glass Thickness: As indicated on Drawings.

3. Pattern: As indicated on Drawings.

4. **Antifingerprint Coating: Protective coating recommended in writing and provided by glass fabricator.**
5. **Contractor's Option: In lieu of sandblasting, comparable acid etching method, maintaining detail of sandblasted pattern is acceptable.**

2.10 ELASTOMERIC GLAZING SEALANTS

A. **General**: Provide products of type indicated, complying with the following requirements:
1. Compatibility: Select glazing sealants that are compatible with one another and with other materials they will contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range for this characteristic.

B. **Elastomeric Glazing Sealant Standard**: Comply with ASTM C 920 and other requirements indicated for each liquid-applied, chemically curing sealant in the Glazing Sealant Schedule at the end of Part 3, including those referencing ASTM C 920 classifications for type, grade, class, and uses.
1. Additional Movement Capability: Where additional movement capability is specified in the Glazing Sealant Schedule, provide products with the capability, when tested for adhesion and cohesion under maximum cyclic movement per ASTM C 719, to withstand the specified percentage change in the joint width existing at time of installation and remain in compliance with other requirements in ASTM C 920 for uses indicated.

C. **Glazing Sealant for Fire-Resistive Glazing Products**: Identical to product used in test assembly to obtain fire-protection rating.

2.11 GLAZING TAPES

A. **Back-Bedding Mastic Glazing Tape**: Preformed, butyl-based elastomeric tape with a solids content of 100 percent; non-staining and non-migrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; packaged on rolls with a release paper backing; and complying with ASTM C 1281 and AAMA 800 for products indicated below:
1. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.

B. **Expanded Cellular Glazing Tape**: Closed-cell, PVC foam tape; factory coated with adhesive on both surfaces; packaged on rolls with release liner protecting adhesive; and complying with AAMA 800 for the following types:
1. Type 1, for glazing applications in which tape acts as the primary sealant.
2. Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.12 GLAZING GASKETS

A. **Soft Compression Gaskets**: Extruded or molded, closed-cell, integral-skinned gaskets of material indicated below; complying with ASTM C 509, Type II, black; and of profile and hardness required to maintain watertight seal:
1. Neoprene.

2. EPDM.
3. Silicone.
4. Thermoplastic polyolefin rubber.
5. Any material indicated above.

2.13 MISCELLANEOUS GLAZING MATERIALS

A. **General:** Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.

B. **Cleaners, Primers, and Sealers**: Types recommended by sealant or gasket manufacturer.

C. **Setting Blocks**: Elastomeric material with a Shore A durometer hardness of 85, plus or minus 5.

D. **Spacers**: Elastomeric blocks or continuous extrusions with a Shore A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.

E. **Edge Blocks**: Elastomeric material of hardness needed to limit glass lateral movement (side walking).

F. **Cylindrical Glazing Sealant Backing**: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.14 FABRICATION OF GLASS AND OTHER GLAZING PRODUCTS

A. **Fabricate glass** and other glazing products in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing standard, to comply with system performance requirements.

B. **Clean-cut or flat-grind vertical edges** of butt-glazed monolithic lites in a manner that produces square edges with slight kerfs at junctions with indoor and outdoor faces.

C. **Grind smooth** and polish exposed glass edges.

PART 3 - EXECUTION

3.1 EXAMINATION

A. **Examine framing glazing**, with Installer present, for compliance with the following:
1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
2. Presence and functioning of weep system.
3. Minimum required face or edge clearances.
4. Effective sealing between joints of glass-framing members.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. **Clean glazing channels** and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

3.3 GLAZING, GENERAL

A. **Comply with combined written instructions** of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.

B. **Glazing channel dimensions**, as indicated on Drawings, provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.

C. **Protect glass edges** from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

D. **Apply primers** to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.

E. **Install setting blocks** in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

F. **Do not exceed edge pressures** stipulated by glass manufacturers for installing glass lites.

G. **Provide spacers** for glass lites where the length plus width is larger than 50 inches 8 as follows:
   1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
   2. Provide 1/8-inch 8 minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.

H. **Provide edge blocking** where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.

I. **Set glass lites** in each series with uniform pattern, draw, bow, and similar characteristics.

J. **Where wedge-shaped gaskets are driven into one side of channel** to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.

K. **Square cut wedge-shaped gaskets** at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.4 TAPE GLAZING

A. **Position tapes** on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.

B. **Install tapes continuously**, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.

C. **Where framing joints are vertical**, cover these joints by applying tapes to heads and sills first and then to jambs. Where framing joints are horizontal, cover these joints by applying tapes to jambs and then to heads and sills.

D. **Place joints in tapes** at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.

E. **Do not remove release paper** from tape until just before each glazing unit is installed.

F. **Apply heel bead** of elastomeric sealant.

G. **Center glass lites in openings** on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

H. **Apply cap bead** of elastomeric sealant over exposed edge of tape.

3.5 GASKET GLAZING (DRY)

A. **Fabricate compression gaskets** in lengths recommended by gasket manufacturer to fit openings exactly, with stretch allowance during installation.

B. **Insert soft compression gasket** between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.

C. **Center glass lites in openings** on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.

D. **Install gaskets** so they protrude past face of glazing stops.

3.6 SEALANT GLAZING (WET)

A. **Install continuous spacers**, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.

B. **Force sealants into glazing channels** to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.

C. **Tool exposed surfaces** of sealants to provide a substantial wash away from glass.

~~**3.7 WINDOW FILM**~~

~~A. **Examination**~~

~~1. Film Examination:~~

~~a. If preparation of glass surfaces is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.~~

~~1) Glass surfaces receiving new film should first be examined to verify that they are free from defects and imperfections, which will affect the final appearance.~~

~~b. Do not proceed with installation until glass surfaces have been properly prepared and deviations from manufacturer's recommended tolerances are corrected. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result under the project conditions.~~

~~c. Commencement of installation constitutes acceptance of conditions.~~

~~B. **Preparation**~~

~~1. Clean surfaces thoroughly prior to installation.~~

~~2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.~~

~~3. Refer to Manufacturer's installation instructions for methods of preparation for Impact Protection Adhesive or Impact Protection Profile film attachment systems.~~

~~C. **Installation**~~

~~1. Film Installation, General:~~

~~a. Install in accordance with manufacturer's instructions.~~

~~b. Cut film edges neatly and square at a uniform distance of 1/8 inch to 1/16 inch of window sealant. Use new blade tips after 3 to 4 cuts.~~

~~c. Spray the slip solution, composed of one capful of baby shampoo or dishwashing liquid to 1 gallon of water, on window glass and adhesive to facilitate proper positioning of film.~~

~~d. Apply film to glass and lightly spray film with slip solution.~~

~~e. Squeegee from top to bottom of window. Spray slip solution to film and squeegee a second time.~~

~~f. Bump film edge with lint-free towel wrapped around edge of a 5-way tool.~~

~~g. Upon completion of film application, allow 30 days for moisture from film installation to dry thoroughly, and to allow film to dry flat with no moisture dimples when viewed under normal viewing conditions.~~

~~h. If completing an exterior application, check with the manufacturer as to whether edge sealing is required.~~

3.7 PROTECTION AND CLEANING

A. **Protect exterior glass** from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels, and clean surfaces.

B. **Protect glass from contact with contaminating substances** resulting from construction operations, including weld splatter. If, despite such protection, contaminating substances do come into contact with glass, remove them immediately as recommended by glass manufacturer.

C. **Examine glass surfaces** adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for build-up of dirt, scum, alkaline deposits, or stains; remove as recommended by glass

manufacturer.

D. **Remove and replace** glass that is broken, chipped, cracked, abraded, or damaged in any way, including natural causes, accidents, and vandalism, during construction period.

E. **Wash glass on both exposed surfaces** in each area of Project not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended by glass manufacturer.

3.8 MONOLITHIC FLOAT-GLASS SCHEDULE

A. **Glass Types:**
1. **Type 'D'**: 1/4 inch clear float; fully tempered.
2. ~~**Type 'F'**: 3/8 inch clear float; fully tempered.~~

B. **Uncoated Clear Float Glass**: Where glass as designated below is indicated, provide Type I (transparent glass, flat), Class 1 (clear) glass lites complying with the following:
1. **Uncoated Clear Annealed Float Glass**: Annealed or Kind HS (heat strengthened), Condition A (uncoated surfaces) where heat strengthening is required to resist thermal stresses induced by differential shading of individual glass lites and to comply with performance requirements.
2. **Uncoated Clear Heat-Strengthened Float Glass**: Kind HS (heat strengthened).
3. **Uncoated Clear Fully Tempered Float Glass**: Kind FT (fully tempered). Provide as required and as indicated.

3.9 LAMINATED GLASS SCHEDULE

A. Type 'F' Clear Laminated Glass: Two plies of heat-strengthened float glass:
1. General 1/2-inch, Class II Safety Laminated Glass:
a. Each Glass Ply: 6 mm.
b. Interlayer Thickness: 0.030 inch (0.76 mm).
2. Enhanced Forced Entry Laminated Glass
a. Each Glass Ply: 3 mm.
b. Interlayer Thickness: 0.090 inch (2.29 mm).
3. Safety glazing certification mark required.

3.10 INSULATING-GLASS SCHEDULE

A. **Type 'A' - Solar-Control Low-E Insulating-Glass Units**:
1. Overall Unit Thickness: 1 inch.
2. Thickness of Each Lite: 1/4 inch.
3. Interspace Content: Air.
4. Outdoor Lite: Solar control clear float glass.
5. Indoor Lite: Class 1 (clear) float glass.
6. Low-E Coating: Sputtered on second surface.
7. Visible Light Transmittance: 64 percent minimum.
8. Winter Nighttime U-Factor: 0.28 maximum.
9. Summer Daytime U-Factor: 0.26 maximum.
10. Solar Heat Gain Coefficient: 0.27 maximum.
11. Outdoor Visible Reflectance: ~~12~~ **13** percent maximum.
12. Shading Coefficient: ~~0.32.~~ **0.31.**

B. **Type 'B' - Vision Glass with Graphics**
1. Overall Unit Thickness: 1/2 inch.
2. Thickness of Each Lite: 1/8 inch.

3. Interspace Content: Air.
4. Glass: Class 1 (clear) fully tempered glass.
5. Where noted on Drawings, provide ~~vinyl graphic~~ **sandblasted or acid-etched pattern**, as shown on Drawings and as directed by Architect, on #3 surface of glazing system.
6. Where glazing does not include graphics and where approved by Architect, manufacturer's standard fully tempered 1/2 inch thick insulated glazing may be used.

C. **Type 'C' - Translucent Solar-Control Low-E Insulating Glass Units**
1. Comparable to Type 'A' but acid-etched glass at indoor lite (etching on #3 surface) and all glass fully tempered.

3.11 GLAZING SEALANT SCHEDULE

A. **Low-Modulus Nonacid-Curing Silicone Glazing Sealant**:
1. Available Products: Subject to compliance with requirements of Contract Documents, products which may be incorporated into the Work include, but are not limited to, the following:
   a. 790; Dow Corning.
   b. UltraPruf SCS2300; GE Silicones.
   c. Spectrem 1; Tremco.
2. Type and Grade: S (single component) and NS (nonsag).
3. Class: 25.
4. Additional Movement Capability: 50 percent movement in extension and 50 percent movement in compression for a total of 100 percent movement.
5. Use Related to Exposure: NT (nontraffic).
6. Uses Related to Glazing Substrates: M, G, A, and, as applicable to glazing substrates indicated, O.
   a. Use O Glazing Substrates: Coated glass, color anodic aluminum, aluminum coated with a high-performance coating, galvanized steel, and wood.

END OF SECTION

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Addendum 03

2026-07-23

Specifications

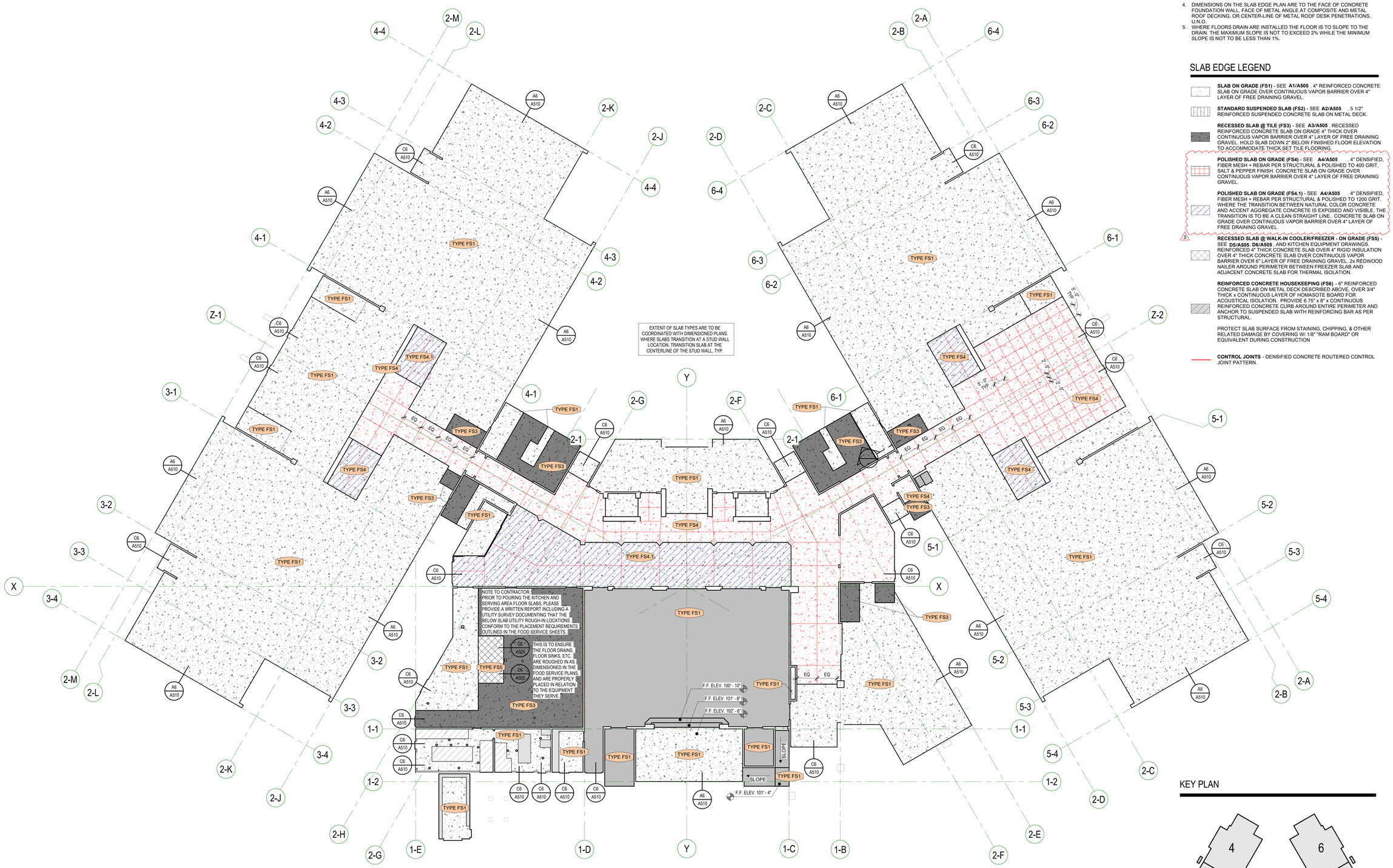
- Section 00 0001 – Table of Contents: Updated for Addendum 3
- Section 00 4133 – Bid Form: Replace in its entirety
- Section 08 8000 – Glazing: Revised to coordinate with drawings. Revisions are indicated in the body of the section, marked by vertical lines in the margin.

Drawings

- Sheets G111 & G112 – Change Slab Edge Legend per the attached sheets.
- Sheet AS101 – Updated east property line mow strip & curb/gutter. Updated ADA Access points. Removed truncated dome panel @ bus loop. Added & Updated keynotes, per attached sheet
- Sheet AS103 – Detail C1 – Added keynote, per attached sheet
- Sheet A111.1 – Removed keynote specifying densified concrete slab & polish.
- Sheets A111.2, A112.2, A113.2, A114.2, A115.2, A116.2 – Corrected all wall types labeled AC8 to wall type 4C8.
- Sheet A114.1 – Added keynotes, per attached sheet.
- Sheets A351, A352, A354 – Updated Gymnasium concrete flooring keynote, per attached sheet.
- Sheet A400 – Updated exterior masonry color/mfr.
- Sheet A401 – Added sanitary napkin disposal units to Staff and Admin toilet rooms
- Sheets A403, A404, A405, A406 – Located & dimensioned whiteboards, tack boards, and TV/Monitors. Adjusted location of some of these elements on details A404/C3 & A405/A1 to be consistent with other locations
- Sheet A505 - Detail A4 – Removed sand from detail & modified concrete slab text.
- Sheet A600 – Updated door types, per attached sheet
- Sheet A601 – Clarified notes about privacy patterning. Changed all aluminum door types to be anodized, not painted.

Prior Approvals

- Spec Section 07 4213 Metal Wall & Soffit Panels
    - Dri-Design Architectural Series Single-Skin Metal Wall Panel System (metal wall and soffit panels)
- Spec Section 07 4246 Composite Metal Wall Panels
    - Dri-Design Architectural Series Single-Skin Metal Wall Panel System (ACM)
- Spec Section 10 5110 Metal Lockers
    - Scranton Products Duralife Lockers
- Spec Section 11 6622 Gymnasium Equipment
    - Arizona Courtlines Inc
- Spec Section 12 3200 Manufactured Cabinets and Casework
    - Anvil Cabinet & Mill



EXTENT OF SLAB TYPES ARE TO BE COORDINATED WITH DIMENSIONED PLANS. WHERE SLABS TRANSITION AT A STUD WALL LOCATION, TRANSITION SLAB AT THE CENTERLINE OF THE STUD WALL, TYP.

GENERAL SLAB EDGE NOTES

1. PROVIDE SAWCUT CONTROL JOINTS AT POLISHED FLOOR TO FOLLOW ARCHITECTS LAYOUT, IN ALL OTHER AREAS PROVIDE CONCRETE JOINTS TO MEET REQUIREMENTS FROM GENERAL STRUCTURAL NOTES. SEE DETAIL B6/A505
2. DECK BEARING ELEVATIONS SHOWN ON THIS SHEET ARE TO BE INCLUDED FOR ARCHITECTS REFERENCE ON ALL STEEL SHOP DRAWINGS.
3. NOT ALL SLAB PENETRATIONS ARE SHOWN ON THE ARCHITECTURAL SLAB EDGE PLAN SHEET. IN ADDITION TO THE ARCHITECTURAL, THE CONTRACTOR IS RESPONSIBLE FOR THE REFERENCING THE STRUCTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS FOR ALL SUCH OCCURRENCES.
4. DIMENSIONS ON THE SLAB EDGE PLAN ARE TO THE FACE OF CONCRETE FOUNDATION WALL, FACE OF METAL ANGLE AT COMPOSITE AND METAL ROOF DECKING, OR CENTER-LINE OF METAL ROOF DESK PENETRATIONS, U.N.O.
5. WHERE FLOORS DRAIN ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.

SLAB EDGE LEGEND

SLAB ON GRADE (FS1) - SEE **A1/A505** . 4" REINFORCED CONCRETE SLAB ON GRADE OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL.

STANDARD SUSPENDED SLAB (FS2) - SEE **A2/A505** . 5 1/2" REINFORCED SUSPENDED CONCRETE SLAB ON METAL DECK.

RECESSED SLAB @ TILE (FS3) - SEE **A3/A505** . RECESSED REINFORCED CONCRETE SLAB ON GRADE 4" THICK OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL. HOLD SLAB DOWN 2" BELOW FINISHED FLOOR ELEVATION TO ACCOMMODATE THICK SET TILE FLOORING.

POLISHED SLAB ON GRADE (FS4) - SEE . **A4/A505** . 4" DENSIFIED, FIBER MESH + REBAR PER STRUCTURAL & POLISHED TO 400 GRIT, SALT & PEPPER FINISH. CONCRETE SLAB ON GRADE OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL.

POLISHED SLAB ON GRADE (FS4.1) - SEE . **A4/A505** . 4" DENSIFIED, FIBER MESH + REBAR PER STRUCTURAL & POLISHED TO 1200 GRIT. WHERE THE TRANSITION BETWEEN NATURAL COLOR CONCRETE AND ACCENT AGGREGATE CONCRETE IS EXPOSED AND VISIBLE. THE TRANSITION IS TO BE A CLEAN STRAIGHT LINE.. CONCRETE SLAB ON GRADE OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL.

3

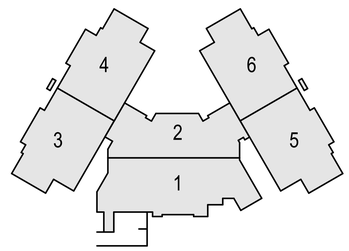
RECESSED SLAB @ WALK-IN COOLER/FREEZER - ON GRADE (FS5) - SEE **D5/A505, D6/A505** , AND KITCHEN EQUIPMENT DRAWINGS. REINFORCED 4" THICK CONCRETE SLAB OVER 4" RIGID INSULATION OVER 4" THICK CONCRETE SLAB OVER CONTINUOUS VAPOR BARRIER OVER 6" LAYER OF FREE DRAINING GRAVEL. 2x REDWOOD NAILER AROUND PERIMETER BETWEEN FREEZER SLAB AND ADJACENT CONCRETE SLAB FOR THERMAL ISOLATION.

REINFORCED CONCRETE HOUSEKEEPING (FS6) - 6" REINFORCED CONCRETE SLAB ON METAL DECK DESCRIBED ABOVE, OVER 3/4" THICK x CONTINUOUS LAYER OF HOMASOTE BOARD FOR ACOUSTICAL ISOLATION. PROVIDE 6.75" x 8" x CONTINUOUS REINFORCED CONCRETE CURB AROUND ENTIRE PERIMETER AND ANCHOR TO SUSPENDED SLAB WITH REINFORCING BAR AS PER STRUCTURAL.

PROTECT SLAB SURFACE FROM STAINING, CHIPPING, & OTHER RELATED DAMAGE BY COVERING W/ 1/8" "RAM BOARD" OR EQUIVALENT DURING CONSTRUCTION

CONTROL JOINTS - DENSIFIED CONCRETE ROUTERED CONTROL JOINT PATTERN.

KEY PLAN



A2 PLAN - SLAB - LEVEL 01

SCALE: 1/16" = 1'-0"

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ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
1		
3	2026.07.23	ADD 003

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PLAN - SLAB - LEVEL 01

G111

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SLAB EDGE LEGEND

SLAB ON GRADE (FS1) - SEE **A1/A505** . 4" REINFORCED CONCRETE SLAB ON GRADE OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL.

STANDARD SUSPENDED SLAB (FS2) - SEE **A2/A505** . 5 1/2" REINFORCED SUSPENDED CONCRETE SLAB ON METAL DECK.

RECESSED SLAB @ TILE (FS3) - SEE **A3/A505** . RECESSED REINFORCED CONCRETE SLAB ON GRADE 4" THICK OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL. HOLD SLAB DOWN 2" BELOW FINISHED FLOOR ELEVATION TO ACCOMMODATE THICK SET TILE FLOORING.

POLISHED SLAB ON GRADE (FS4) - SEE **A4/A505** . 4" DENSIFIED, FIBER MESH + REBAR PER STRUCTURAL & POLISHED TO 400 GRIT, SALT & PEPPER FINISH. CONCRETE SLAB ON GRADE OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL.

POLISHED SLAB ON GRADE (FS4.1) - SEE **A4/A505** . 4" DENSIFIED, FIBER MESH + REBAR PER STRUCTURAL & POLISHED TO 1200 GRIT. WHERE THE TRANSITION BETWEEN NATURAL COLOR CONCRETE AND ACCENT AGGREGATE CONCRETE IS EXPOSED AND VISIBLE, THE TRANSITION IS TO BE A CLEAN STRAIGHT LINE.. CONCRETE SLAB ON GRADE OVER CONTINUOUS VAPOR BARRIER OVER 4" LAYER OF FREE DRAINING GRAVEL.

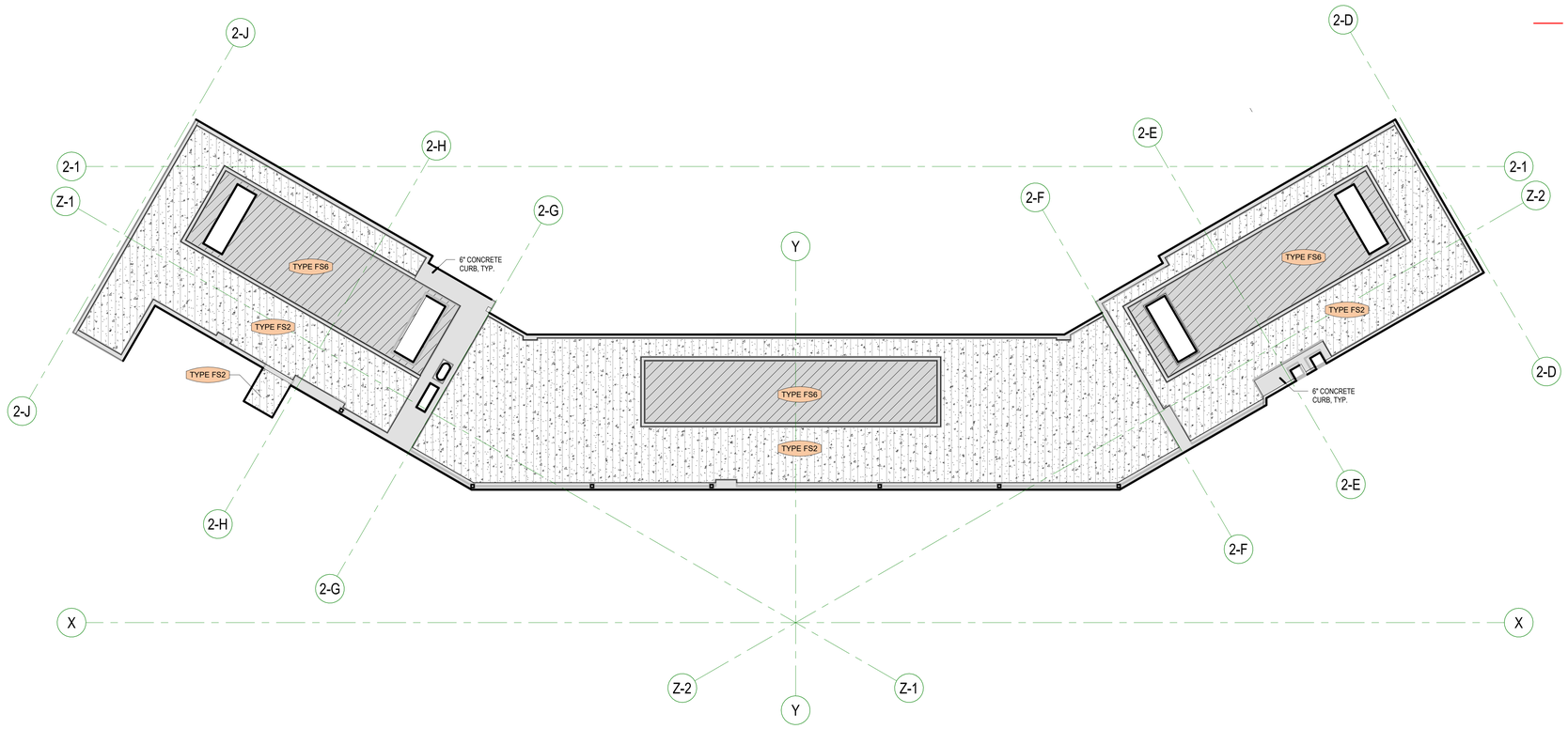
3

RECESSED SLAB @ WALK-IN COOLER/FREEZER - ON GRADE (FS5) - SEE **D5/A505**, **D6/A505** , AND KITCHEN EQUIPMENT DRAWINGS. REINFORCED 4" THICK CONCRETE SLAB OVER 4" RIGID INSULATION OVER 4" THICK CONCRETE SLAB OVER CONTINUOUS VAPOR BARRIER OVER 6" LAYER OF FREE DRAINING GRAVEL. 2x REDWOOD NAILER AROUND PERIMETER BETWEEN FREEZER SLAB AND ADJACENT CONCRETE SLAB FOR THERMAL ISOLATION.

REINFORCED CONCRETE HOUSEKEEPING (FS6) - 6" REINFORCED CONCRETE SLAB ON METAL DECK DESCRIBED ABOVE, OVER 3/4" THICK x CONTINUOUS LAYER OF HOMASOTE BOARD FOR ACOUSTICAL ISOLATION. PROVIDE 6.75" x 8" x CONTINUOUS REINFORCED CONCRETE CURB AROUND ENTIRE PERIMETER AND ANCHOR TO SUSPENDED SLAB WITH REINFORCING BAR AS PER STRUCTURAL.

PROTECT SLAB SURFACE FROM STAINING, CHIPPING, & OTHER RELATED DAMAGE BY COVERING W/ 1/8" "RAM BOARD" OR EQUIVALENT DURING CONSTRUCTION

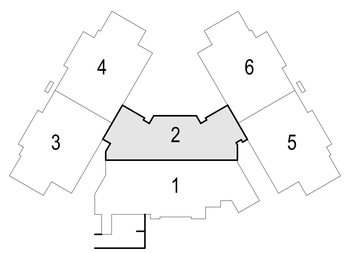
CONTROL JOINTS - DENSIFIED CONCRETE ROUTERED CONTROL JOINT PATTERN.



A3 PLAN - SLAB - LEVEL 02

SCALE: 1/8" = 1'-0"

KEY PLAN



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CONSTRUCTION DOCUMENTS

PLAN - SLAB - LEVEL 02

G112

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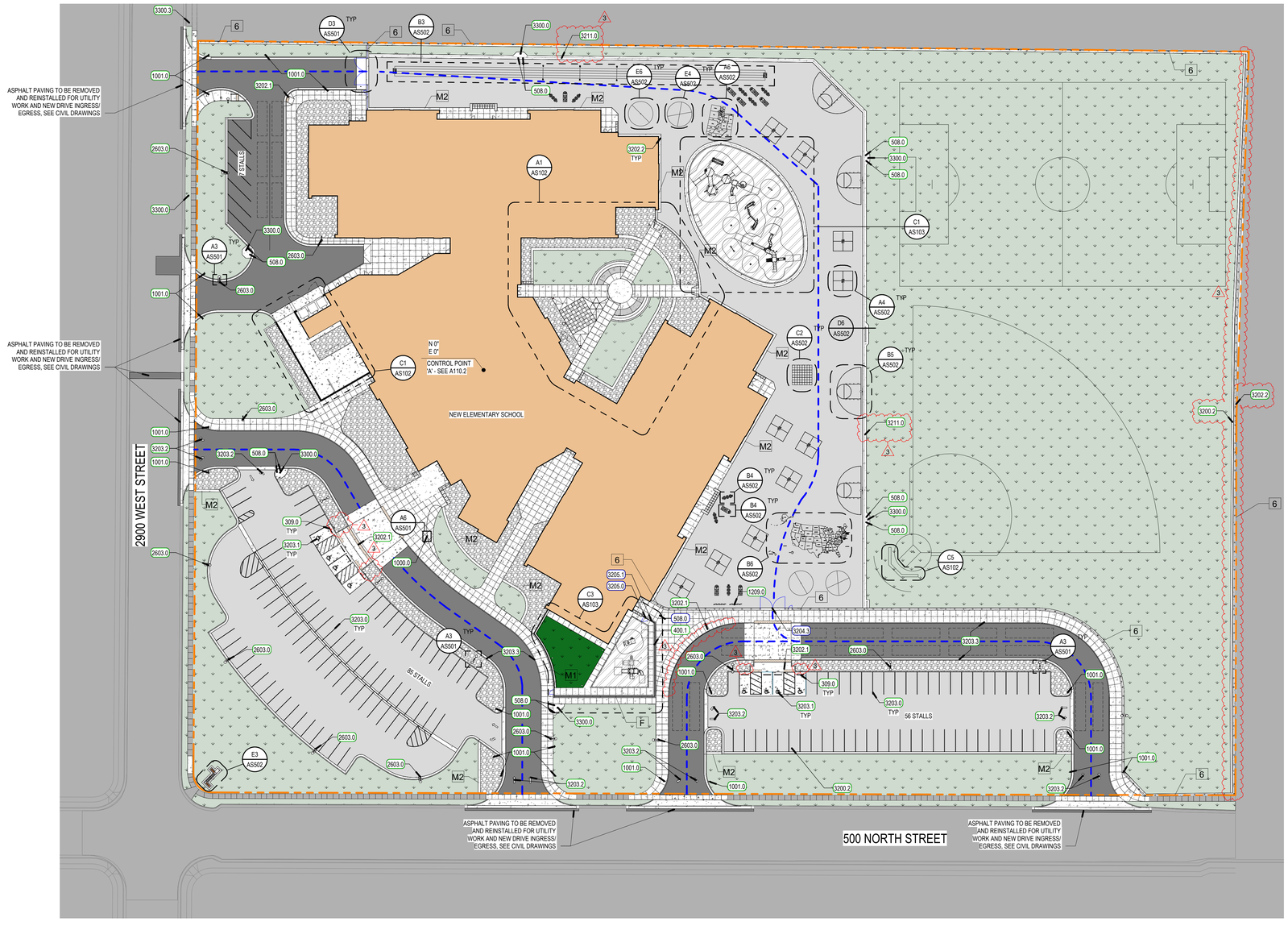

A2 OVERALL SITE PLAN

SCALE: 1" = 40'-0"

GENERAL SITE PLAN NOTES

1. GRADING AT THE BUILDING SHALL HAVE A 5% MINIMUM SLOPE AWAY FROM THE BUILDING FOR A MINIMUM OF 10'-0", UNO. CONCRETE SHALL BE SLOPED 2% AWAY FROM BUILDING. IBC 2021 SECTION 1804.3
2. FOUNDATION TO BE 6" ABOVE FINISHED GRADE UNO.
3. ALL CONNECTIONS FROM CITY STREETS TO THE BUILDING ARE TO BE PROVIDED UNDER THIS CONTRACT. CONTRACTOR TO VERIFY CITY STANDARDS FOR ROAD, CURB, UTILITY AND SIGNAGE REQUIREMENTS.
4. ALL EXTERIOR SIDEWALKS, STAIRS AND LANDINGS TO HAVE POSITIVE DRAINAGE BUT NO MORE THAN A MAXIMUM OF 1/4" SLOPE PER FOOT TO ALLOW POSITIVE DRAINAGE. ALL STAIRS AND RAMPS TO HAVE A LANDING OF 48 INCHES LONG AT THE TOP AND BOTTOM WITH A MAXIMUM SLOPE OF 1/4 " PER FOOT. ALL REBAR IN EXTERIOR APPLICATIONS TO BE EPOXY COATED.
5. FINISH GRADE OF SOFTSCAPE SHALL BE 2 " UNIFORMLY BELOW PAVING SURFACES UNLESS NOTED OTHERWISE.
6. 4" X 24" CONTINUOUS MINIMUM CONCRETE MOW STRIP, TO BE PROVIDED AROUND ENTIRE BUILDING EXCEPT WHERE CONCRETE SIDEWALKS OR PLANTERS OCCUR, TYP, SEE DETAIL A4/AS501.
7. LIGHT POLE BASE IN ALL LANDSCAPE LOCATIONS TO BE 6 " ABOVE FINISHED GRADE. BE LOCATED AT LEAST 36 " FROM FACE OF POLE BASE TO BACK OF CURB AND HAVE A CONCRETE MOW STRIP PER DETAIL A3/AS501. VERIFY LOCATION ON SITE WITH ARCHITECT PRIOR TO ANY INSTALLATION.
8. LIGHT POLE BASE IN ALL PAVED LOCATIONS TO BE 36 " ABOVE FINISHED GRADE. VERIFY LOCATION ON SITE WITH ARCHITECT PRIOR TO ANY INSTALLATION.
9. COORDINATE ORIENTATION OF FIRE HYDRANT OUTLETS WITH THE FIRE MARSHALL'S OFFICE PRIOR TO THE FINAL INSTALLATION OF THE HYDRANT ASSEMBLY.

MATERIALS LEGEND

- BUILDING
- LAWN
- CONCRETE SIDEWALK (4" CONCRETE SLAB OVER 4" GRAVEL BASE OVER COMPACTED SUB-BASE)
- RIGID CONCRETE PAVEMENT (6" RIGID CONCRETE PAVEMENT OVER 6" COMPACTED ROAD BASE OVER COMPACTED GRANULAR BORROW SUB-BASE)
- LIGHT DUTY ASPHALT PAVEMENT, ASPHALT WITH SUBBASE. SEE CIVIL FOR ADDITIONAL INFORMATION
- HEAVY DUTY ASPHALT PAVEMENT, ASPHALT WITH SUBBASE. SEE CIVIL FOR ADDITIONAL INFORMATION
- IMAGINARY LINE INDICATING FIRE ACCESS LANES
- ENGINEERED WOOD FIBER FILL - ALTERNATE 01
- POURED - IN - PLACE RUBBER PLAYGROUND SURFACING - BASE BID
- LANDSCAPING, DECORATIVE COBBLE ROCK MULCH, OVER MIRAFI FABRIC
- ARTIFICIAL TURF, REFER TO LANDSCAPE DRAWINGS
- NOT IN CONTRACT

LINE TYPES LEGEND

- 6 — 6' - 0" CHAINLINK FENCE W/ 24" WIDE CONCRETE MOW STRIP
- P — PROPERTY LINE
- M1 — 1' - 0" WIDE CONCRETE MOW STRIP
- M2 — 2' - 0" WIDE CONCRETE MOW STRIP
- F — DECORATIVE IRON FENCE
- LINETYPE INDICATES EXISTING TO REMAIN, PROTECT IN PLACE, REPAIR AS REQUIRED

KEYED NOTES

309.0	6" WHEEL STOP, PER CIVIL, TYP.
400.1	FEATURE WALL - GRAY (AMCOR DOVER OR EQUAL) RUNNING BOND CMU, SIZE PER WALL TYPES DESIGNATION. SPLIT FACE AT ALL EXTERIOR LOCATIONS AND SMOOTH/SHOT BLASTED AT ALL INTERIOR LOCATIONS, U.N.O. W/ TOOLED HEAD JOINTS & WEATHER STRUCK BED JOINTS @ EXTERIOR, & RAKED HEAD AND BEAD JOINTS AT INTERIOR, TYP. MASON TO PROVIDE SOLID BOTTOM UNITS (SBU'S) @ ALL HEADERS, LINTELS, AND SILLS, TYP . DO NOT USE OPEN CELL UNITS WHERE CELLS WILL BE EXPOSED TO VIEW INCLUDING AT WINDOW SILLS, & NO SOLDIER COURSING,TYP.
508.0	6" DIA. x 48" A.F.F. CONCRETE FILLED AND PAINTED GALVANIZED STEEL PIPE BOLLARD
1000.0	24'-0" TALL ALUMINUM FLAG POLE & BASE
1001.0	SIGNAGE, SEE SCHEDULE
1209.0	BICYCLE RACKS, OWNER PROVIDED AND INSTALLED
2603.0	SITE LIGHT, WITH CONCRETE BASE
3200.2	CONCRETE CURB AND GUTTER WITH SUBBASE
3202.1	ACCESSIBLE TRUNCATED DOME INSERT PANEL
3202.2	4" X 24" X CONT. CONCRETE MOW STRIP
3203.0	PAINTED PARKING STRIPES AND ACCESS LANES
3203.1	HANDICAP PARKING STALL AND SYMBOL
3203.2	PAINTED DIRECTIONAL ARROWS
3203.3	RED PAINTED CURB WITH WHITE LETTERING INDICATING "FIRE LANE" AT ALL FIRE LANES AS DESIGNATED ON THE SITE PLAN. SPACE TEXT EVERY 20'-0" ALONG ALL CURBS DESIGNATED TO RECEIVE THIS APPLICATION, TYP.
3204.3	6'-0" X 10'-0" DOUBLE LEAF CHAIN LINK GATE
3205.0	6'-0" TALL DECORATIVE IRON GATE
3205.1	4'-0" TALL DECORATIVE IRON FENCE MOUNTED ON TOP OF 24" TALL X 8" WIDE CMU LOW WALL (MASONRY TYPE EM1) WITH REINFORCED CONCRETE FOUNDATION. FENCE INSTALLER TO COORDINATE STANCHION LOCATIONS & ANCHORING WITH MASON PRIOR TO FENCE FABRICATION OR CMU INSTALLATION.
3211.0	36" CONCRETE WATERWAY, REFER TO CIVIL
3300.0	FIRE HYDRANT ASSEMBLY
3300.3	EXISTING FIRE HYDRANT ASSEMBLY

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OVERALL SITE PLAN

AS101

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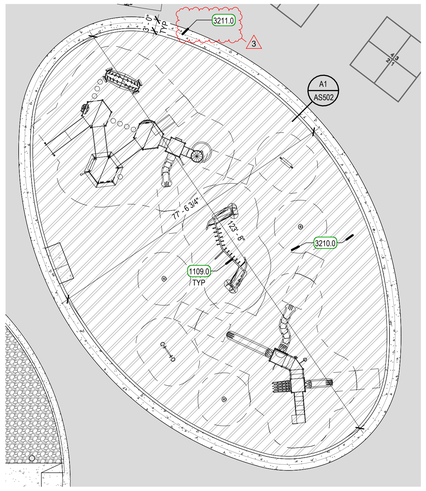
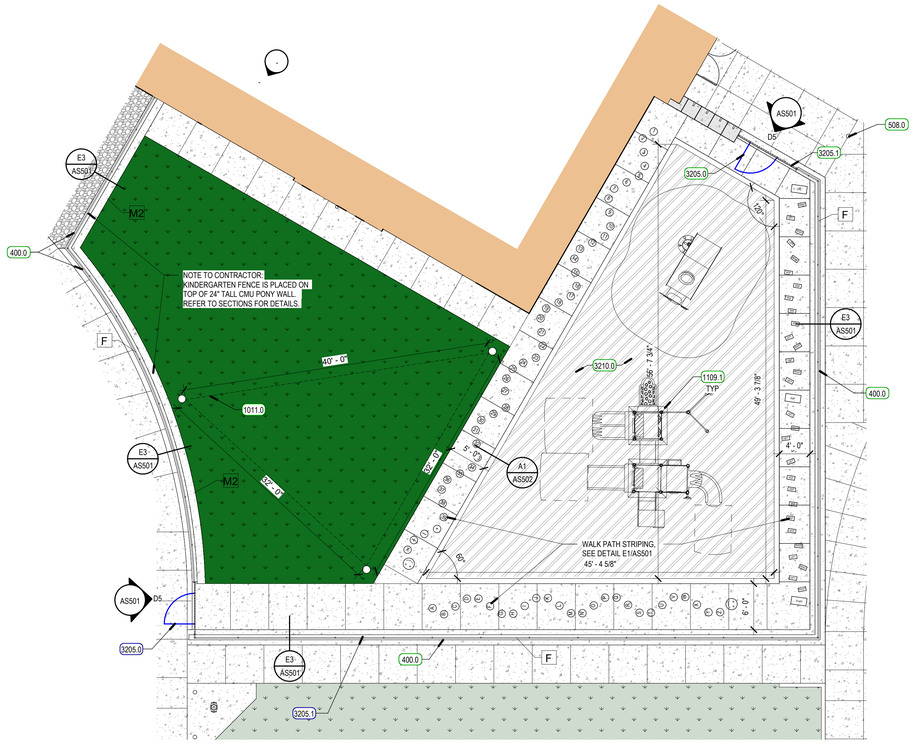


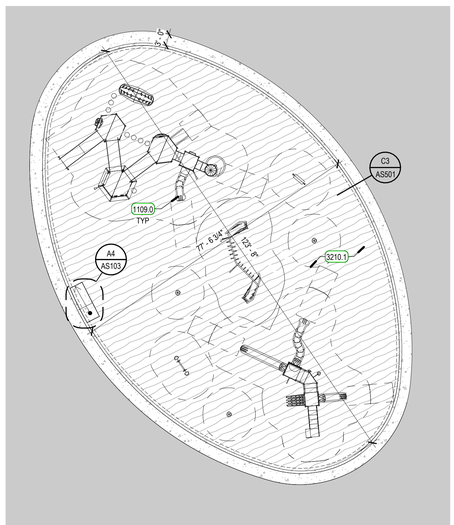
C1 MAIN PLAY AREA ENLARGE PLAN- BASE BID

SCALE: 1/16" = 1'-0"



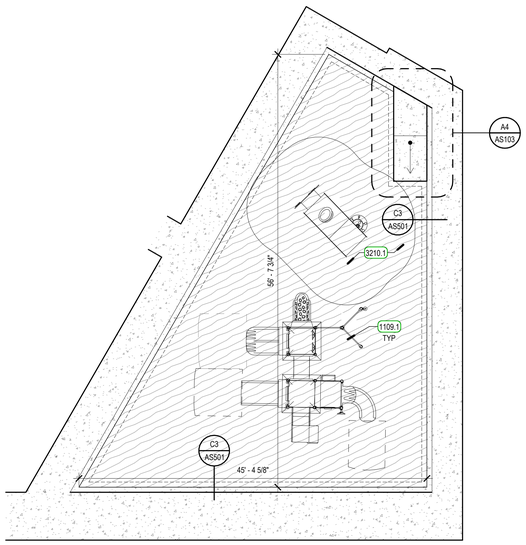
C3 KINDERGARTEN PLAY AREA ENLARGED PLAN- BASE BID

SCALE: 1/8" = 1'-0"



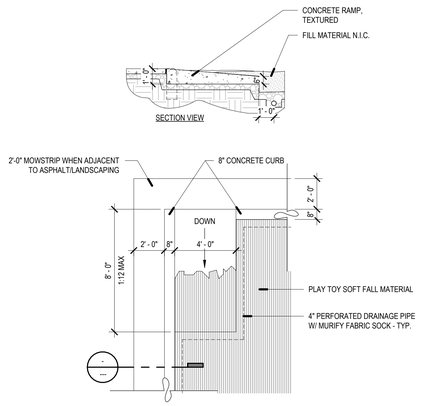
A1 MAIN PLAYGROUND ENLARGED PLAN - ALT 01

SCALE: 1/16" = 1'-0"



A3 KINDERGARTEN PLAY AREA WOODCHIPS - ALT 01

SCALE: 1/8" = 1'-0"



A4 PLAY TOY RAMP

SCALE: 1/4" = 1'-0"

GENERAL SITE PLAN NOTES

1. GRADING AT THE BUILDING SHALL HAVE A 5% MINIMUM SLOPE AWAY FROM THE BUILDING FOR A MINIMUM OF 10'-0", UNO. CONCRETE SHALL BE SLOPED 2% AWAY FROM BUILDING. IBC 2021 SECTION 1804.3
2. FOUNDATION TO BE 6" ABOVE FINISHED GRADE UNO.
3. ALL CONNECTIONS FROM CITY STREETS TO THE BUILDING ARE TO BE PROVIDED UNDER THIS CONTRACT. CONTRACTOR TO VERIFY CITY STANDARDS FOR ROAD, CURB, UTILITY AND SIGNAGE REQUIREMENTS.
4. ALL EXTERIOR SIDEWALKS, STAIRS AND LANDINGS TO HAVE POSITIVE DRAINAGE BUT NO MORE THAN A MAXIMUM OF 1/4" SLOPE PER FOOT TO ALLOW POSITIVE DRAINAGE. ALL STAIRS AND RAMPS TO HAVE A LANDING OF 48 INCHES LONG AT THE TOP AND BOTTOM WITH A MAXIMUM SLOPE OF 1/4 " PER FOOT. ALL REBAR IN EXTERIOR APPLICATIONS TO BE EPOXY COATED.
5. FINISH GRADE OF SOFTSCAPE SHALL BE 2 " UNIFORMLY BELOW PAVING SURFACES UNLESS NOTED OTHERWISE.
6. 4" X 24" CONTINUOUS MINIMUM CONCRETE MOW STRIP, TO BE PROVIDED AROUND ENTIRE BUILDING EXCEPT WHERE CONCRETE SIDEWALKS OR PLANTERS OCCUR, TYP, SEE DETAIL A4/AS501.
7. LIGHT POLE BASE IN ALL LANDSCAPE LOCATIONS TO BE 6 " ABOVE FINISHED GRADE. BE LOCATED AT LEAST 36 " FROM FACE OF POLE BASE TO BACK OF CURB AND HAVE A CONCRETE MOW STRIP PER DETAIL A3/AS501. VERIFY LOCATION ON SITE WITH ARCHITECT PRIOR TO ANY INSTALLATION.
8. LIGHT POLE BASE IN ALL PAVED LOCATIONS TO BE 36 " ABOVE FINISHED GRADE. VERIFY LOCATION ON SITE WITH ARCHITECT PRIOR TO ANY INSTALLATION.
9. COORDINATE ORIENTATION OF FIRE HYDRANT OUTLETS WITH THE FIRE MARSHALL'S OFFICE PRIOR TO THE FINAL INSTALLATION OF THE HYDRANT ASSEMBLY.

MATERIALS LEGEND

- BUILDING
- LAWN
- CONCRETE SIDEWALK (4" CONCRETE SLAB OVER 4" GRAVEL BASE OVER COMPACTED SUB-BASE)
- RIGID CONCRETE PAVEMENT (6" RIGID CONCRETE PAVEMENT OVER 6" COMPACTED ROAD BASE OVER COMPACTED GRANULAR BORROW SUB-BASE)
- LIGHT DUTY ASPHALT PAVEMENT, ASPHALT WITH SUBBASE. SEE CIVIL FOR ADDITIONAL INFORMATION
- HEAVY DUTY ASPHALT PAVEMENT, ASPHALT WITH SUBBASE. SEE CIVIL FOR ADDITIONAL INFORMATION
- IMAGINARY LINE INDICATING FIRE ACCESS LANES
- ENGINEERED WOOD FIBER FILL - ALTERNATE 01
- POURED - IN - PLACE RUBBER PLAYGROUND SURFACING - BASE BID
- LANDSCAPING, DECORATIVE COBBLE ROCK MULCH, OVER MIRAFI FABRIC
- ARTIFICIAL TURF, REFER TO LANDSCAPE DRAWINGS
- NOT IN CONTRACT

LINE TYPES LEGEND

- 6 — 6' - 0" CHAINLINK FENCE W/ 24" WIDE CONCRETE MOW STRIP
- P — PROPERTY LINE
- M1 — 1' - 0" WIDE CONCRETE MOW STRIP
- M2 — 2' - 0" WIDE CONCRETE MOW STRIP
- F — DECORATIVE IRON FENCE
- LINETYPE INDICATES EXISTING TO REMAIN, PROTECT IN PLACE, REPAIR AS REQUIRED

KEYED NOTES

400.0	TAN (AMCOR TUMBLEWEED OR EQUAL) RUNNING BOND CMU. SIZE PER WALL TYPES DESIGNATION. SPLIT FACE AT ALL EXTERIOR LOCATIONS & HONED AT ALL INTERIOR LOCATIONS, U.N.O. W/ TOOLED HEAD JOINTS & WEATHER STRUCK BED JOINTS @ EXTERIOR, & RAKED HEAD AND BEAD JOINTS AT INTERIOR, TYP. MASON TO PROVIDE SOLID BOTTOM UNITS (SBU'S) @ ALL HEADERS, LINTELS, AND SILLS, TYP. DO NOT USE OPEN CELL UNITS WHERE CELLS WILL BE EXPOSED TO VIEW INCLUDING AT WINDOW SILLS, & NO SOLDIER COURSING, TYP.
508.0	6" DIA. x 48" A.F.F. CONCRETE FILLED AND PAINTED GALVANIZED STEEL PIPE BOLLARD
1011.0	SAIL SHADE STRUCTURE. SHADE SAIL PRODUCT DESIGN & COLOR TO BE SELECTED BY ARCHITECT
1109.0	PLAYGROUND STRUCTURES, BIG TOY AREA
1109.1	PLAYGROUND STRUCTURES, KINDERGARTEN AREA
3205.0	6'-0" TALL DECORATIVE IRON GATE
3205.1	4'-0" TALL DECORATIVE IRON FENCE MOUNTED ON TOP OF 24" TALL X 8" WIDE CMU LOW WALL (MASONRY TYPE EM1) WITH REINFORCED CONCRETE FOUNDATION. FENCE INSTALLER TO COORDINATE STANCHION LOCATIONS & ANCHORING WITH MASON PRIOR TO FENCE FABRICATION OR CMU INSTALLATION.
3210.0	POURED IN PLACE RUBBER SURFACING WITH FALL PROTECTION
3210.1	WOOD CHIP SOFT FALL MATERIAL, 18" DEEP
3211.0	36" CONCRETE WATERWAY. REFER TO CIVIL

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ENLARGED SITE PLANS

ALTERNATE 01

AS103

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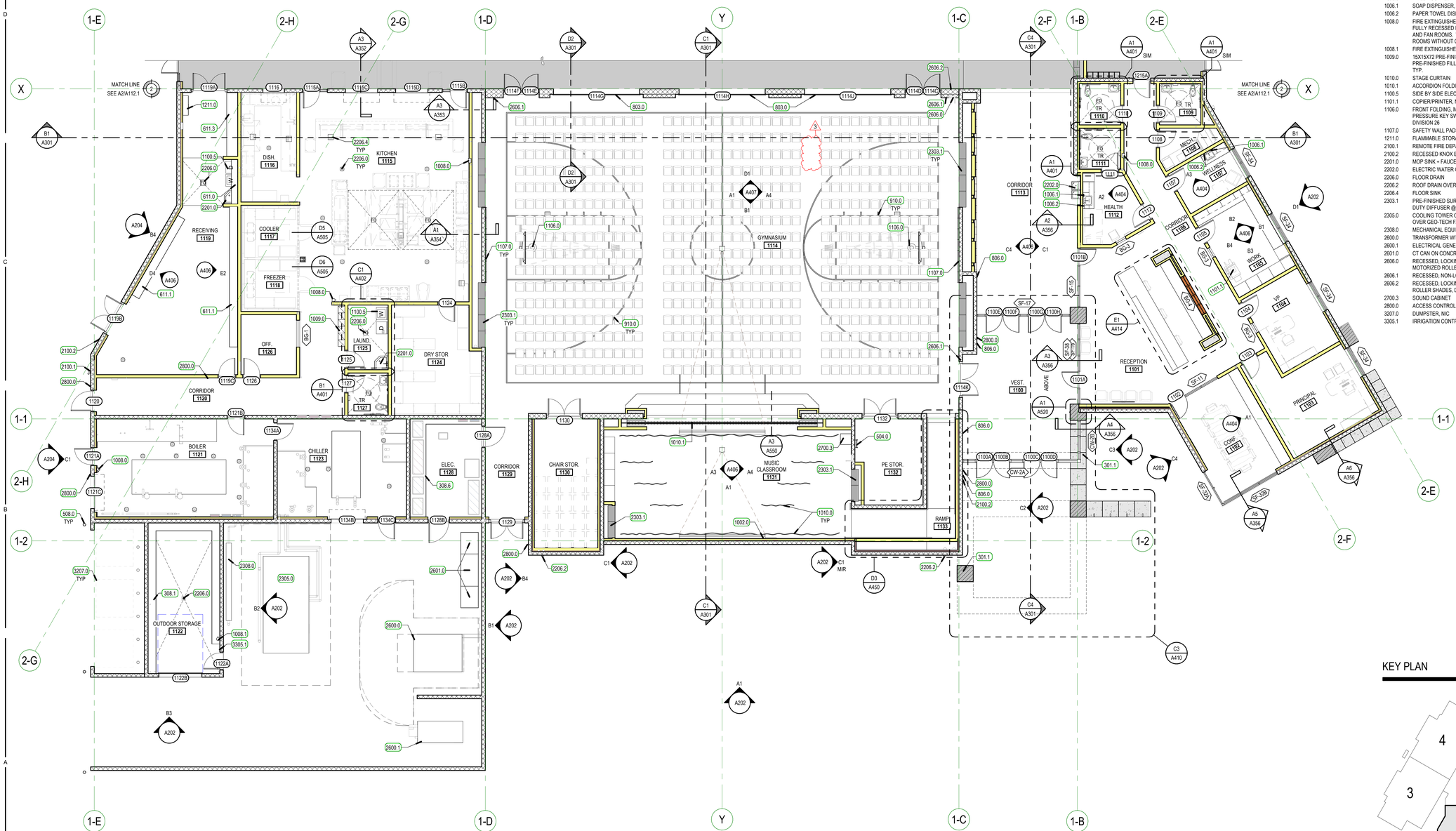


A2 PLAN - ANNOTATED - LEVEL 01 - AREA 1

SCALE: 1/8" = 1'-0"

NORTH

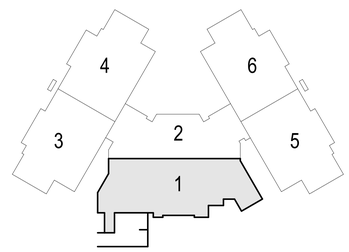
PLAN NOTES

1. WHERE FLOOR DRAINS ARE INSTALLED THE FLOOR IS TO SLOPE TO THE DRAIN. THE MAXIMUM SLOPE IS NOT TO EXCEED 2% WHILE THE MINIMUM SLOPE IS NOT TO BE LESS THAN 1%.
2. WHERE CONCRETE PADS ARE CALLED TO BE CONSTRUCTED UNDER EQUIPMENT THE SLAB IS TO BE 8" THICK, U.N.O., AND IS TO HAVE #4 BARS AT 18" O.C. EACH WAY. COORDINATE DIMENSIONS OF PAD WITH ACTUAL EQUIPMENT SPEC
3. SEE SHEET A505 FOR TYPICAL FLOORING TRANSITION DETAILS.
4. THE CONTRACTOR IS TO ENSURE THAT BETWEEN ANY FINISH FLOOR ELEVATION TO 34" A.F.F. ALL GUARDRAILS ARE TO BE CONSTRUCTED AND INSTALLED SO THAT A 4" SPHERE WILL NOT PASS BETWEEN ANY TWO ADJACENT GUARDRAIL COMPONENTS OR BETWEEN THE EDGE OF A GUARDRAIL AND ALL ADJACENT BUILDING ELEMENT SUCH AS A WALL OR FLOOR. AN 8" DIAMETER SPHERE IS NOT TO PASS BETWEEN THE ABOVE MENTIONED COMPONENTS AND ELEMENTS FROM AN ELEVATION 34" A.F.F. AND HIGHER.
5. SEE DETAIL C4 ON SHEET A520 FOR TYPICAL FIRE EXTINGUISHER CABINET INSTALLATION DETAILS

KEYED NOTES

301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
308.1	6"TALL x 18"WIDE x CONT. CONCRETE BASE, W/ 3/4" CHAMFER ON EXPOSED EDGES.
308.6	6"TALL x CONT. CONCRETE CURB AT ELECTRICAL PANELS AND ELECTRICAL, PLUMBING, AND MECHANICAL EQUIPMENT. SEE DIMENSION PLANS FOR SIZES AND VERIFY THAT CURB ALIGNS WITH THE PROVIDED EQUIPMENT AND COVERS PENETRATIONS AS REQUIRED. PROVIDE 3/4" CHAMFER ON EXPOSED EDGE.
504.0	METAL ROOF ACCESS LADDER
508.0	6" DIA. x 48" A.F.F. CONCRETE FILLED AND PAINTED GALVANIZED STEEL PIPE BOLLARD
611.0	14" DEEP ADJUSTABLE SHELVING ON DUAL SLOTTED WALL TRACKS, WHITE COLOR, TYP.
611.1	18" DEEP ADJUSTABLE SHELVING ON DUAL SLOTTED WALL TRACKS, WHITE COLOR, TYP.
611.3	24" DEEP ADJUSTABLE SHELVING ON DUAL SLOTTED WALL TRACKS, WHITE COLOR, TYP.
803.0	ANODIZED ALUMINUM & GLASS OVERHEAD SECTIONAL DOOR WITH 1/2" TEMPERED, INSULATED GLASS LITES, TYP.
806.0	ADA DOOR ACTUATOR ACCESS CONTROL, FULL BUILD-OUT
910.0	2" GAME STRIPES, TYP.
1002.0	WALL MOUNTED MARKER BOARD
1006.1	SOAP DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1006.2	PAPER TOWEL DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1008.0	FIRE EXTINGUISHER, TYPE K AT KITCHEN, TYPE ABC AT ALL OTHER LOCATIONS, TYP, IN FULLY RECESSED FIRE EXTINGUISHER CABINET, EXCEPT IN KITCHEN, BOILER ROOM, AND FAN ROOMS. WALL MOUNT EXTINGUISHER IN KITCHEN, BOILER ROOM, AND FAN ROOMS WITHOUT CABINET.
1008.1	FIRE EXTINGUISHER, TYPE ABC, WALL BRACKET MOUNTED
1009.0	15X15X72 PRE-FINISHED METAL LOCKERS WITH INTEGRAL HASP, SHELF, COAT HOOKS, PRE-FINISHED FILLER PANELS, AND SLOPED METAL TOP, ON 4" TALL CONCRETE BASE, TYP.
1010.0	STAGE CURTAIN
1010.1	ACCORDION FOLDING PARTITION
1100.5	SIDE BY SIDE ELECTRIC WASHER AND DRYER, OWNER PROVIDED AND INSTALLED
1101.1	COPIER/PRINTER, NIC
1106.0	FRONT FOLDING, MOTORIZED RETRACTABLE BASKETBALL STANDARD W/ S.S. CONT. PRESSURE KEY SWITCH LOCATED IN RECESSED LOCKING WALL BOX PROVIDED BY DIVISION 26
1107.0	SAFETY WALL PADS
1211.0	FLAMMABLE STORAGE CABINET
2100.1	REMOTE FIRE DEPARTMENT CONNECTION
2100.2	RECESSED KNOX BOX
2201.0	MOP SINK + FAUCET
2202.0	ELECTRIC WATER COOLER, WITH BOTTLE FILLER
2206.0	FLOOR DRAIN
2206.2	ROOF DRAIN OVERFLOW OUTLET
2206.4	FLOOR SINK
2303.1	PRE-FINISHED SURFACE MOUNTED MECHANICAL DIFFUSER ASSEMBLY. PROVIDE HEAVY DUTY DIFFUSER @ CORRIDORS, DINING, COLLABORATION SPACES, AND GYMNASIUM.
2305.0	COOLING TOWER ON CONCRETE STILTS WITH 4" BED OF 3/4" MINUS WASHED GRAVEL OVER GEO-TECH FABRIC
2308.0	MECHANICAL EQUIPMENT
2600.0	TRANSFORMER WITH CONCRETE VAULT
2600.1	ELECTRICAL GENERATOR. SEE ELECTRICAL
2601.0	CT CAN ON CONCRETE HOUSEKEEPING PAD
2606.0	RECESSED, LOCKING METAL BOX WITH CONTROLS FOR MOTORIZED BACKBOARDS, MOTORIZED ROLLER SHADES, AND GYMNASIUM VOLUME CONTROL.
2606.1	RECESSED, NON-LOCKING METAL BOX WITH CONTROLS FOR LIGHTING IN GYMNASIUM.
2606.2	RECESSED, LOCKING METAL BOX WITH CONTROLS FOR CORRIDOR 1111 MOTORIZED ROLLER SHADES, DINING AREA MOTORIZED ROLLER SHADES, AND VOLUME CONTROL.
2700.3	SOUND CABINET
2800.0	ACCESS CONTROL CARD READER - FULL BUILD OUT
3207.0	DUMPSTER, NIC
3305.1	IRRIGATION CONTROL CLOCK

KEY PLAN



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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
1		
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

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2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

ANNOTATED PLAN - LEVEL 01 - AREA 1

A111.1

7/23/2026 11:08:58 AM

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
   FOM = ONE OR BOTH POINTS ARE TO THE FACE OF MASONRY
   FOS = ONE OR BOTH POINTS ARE TO THE FACE OF STUD
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RECESSED SLAB LEGEND

2" RECESSED SLAB

8" RECESSED SLAB

KEY FOR PARTITION TYPES

DENOTES TYPE OF CONSTRUCTION (SPEC. DIVISION) — WALL

- 3X 0 SERIES CONCRETE
- 4X 0 SERIES MASONRY
- 5X 0 SERIES COLD FORMED METAL STUDS, 16ga MIN.
- 9X 0 SERIES METAL STUDS

NOMINAL SIZES: V = VARIABLE/MATCHEXISTING

- 1 = 1 5/8" STUDS
- 2 = 2 1/2" STUDS
- 3 = 3 5/8" STUDS
- 4 = 4" STUDS / 4" (NOM.) C.M.U.
- 6 = 6" STUDS / 6" (NOM.) C.M.U.
- 8 = 8" STUDS / 8" (NOM.) C.M.U.
- 10 = 10" (NOM.) C.M.U. OR CONC.
- 12 = 12" (NOM.) C.M.U. OR CONC.

EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON BOTH SIDES.

NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS.

RATED WALL LEGEND

1 HOUR SEPARATION

2 HOUR SEPARATION

EXAMPLE: WALL TYPE 9A3-1 IS A ONE HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

90X-R SERIES

FIRE RATING (ONLY WHEN NOTED): 1 = 1 HOUR RATED ASSEMBLY
2 = 2 HOUR RATED ASSEMBLY
3 = 3 HOUR RATED ASSEMBLY

NON-BEARING METAL HEADER SCHEDULE

MAXIMUM SPAN	HEADER	FY
4'-0"	(2) 400S137-43	33 ksi
6'-0"	(2) 600S162-43	33 ksi
8'-0"	(2) 800S162-43	33 ksi

METAL STUD HEADER NOTES:

1. SCHEDULE TO BE USED FOR NON-BEARING WALLS.
2. HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA STANDARDS.
3. SEE TYPICAL DETAIL FOR MORE INFORMATION.

NON-BEARING METAL STUD GAUGE SIZING

MEMBER DEPTH IN 1/100 INCHES — FLANGE WIDTH IN 1/100 INCHES

400S137-43

STYLE (S=STUD OR JOIST) — MATERIAL THICKNESS IN MILS

MEMBER DEPTH	MAX STUD HEIGHT	MIN. GA. & SPACING
2 1/2" (250S125-33)	10'-0"	20@16" O.C.
3 5/8" (362S125-33)	14'-0"	20@16" O.C.
3 5/8" (362S162-33)	16'-0"	20@16" O.C.
3 5/8" (362S162-43)	18'-0"	18@16" O.C.
6" (600S162-33)	24'-0"	20@16" O.C.
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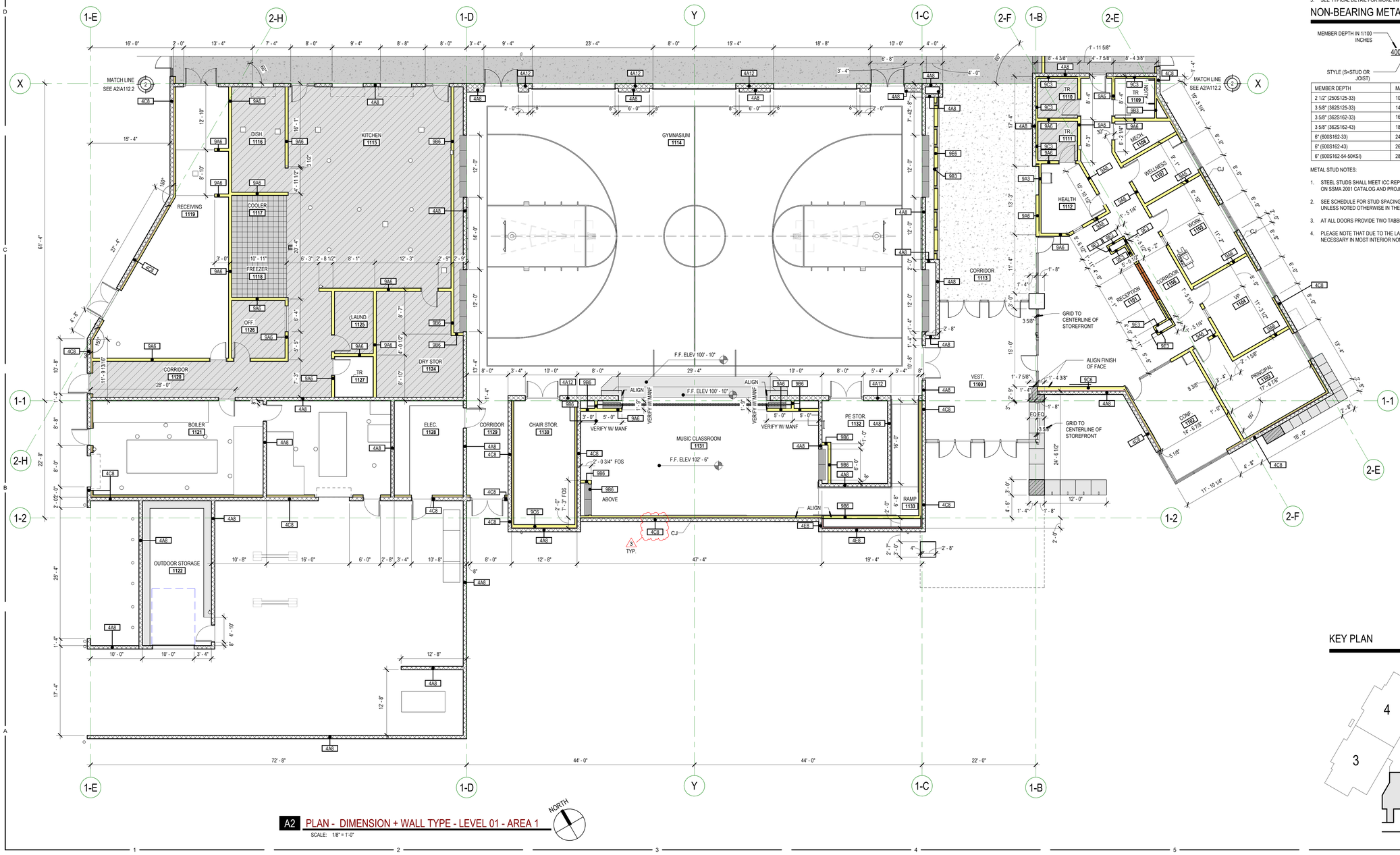
6" (600S162-54-50KSI)	28'-0"	16@16" O.C.

METAL STUD NOTES:

1. STEEL STUDS SHALL MEET ICC REPORT ER-4943P AND THE SSMA STANDARDS. HEIGHT BASED ON SSMA 2001 CATALOG AND PROJECT REQUIREMENTS.
2. SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE DRAWINGS.
3. AT ALL DOORS PROVIDE TWO TABBED 18 GAUGE STUDS AT BOTH SIDES OF JAMB.
4. PLEASE NOTE THAT DUE TO THE LARGE FLOOR TO FLOOR HEIGHT 18 GAUGE STUDS WILL BE NECESSARY IN MOST INTERIOR NON LOAD BEARING WALLS. REFER TO THE CHART ABOVE.

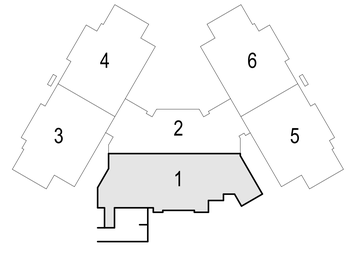


A2 PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 1

SCALE: 1/8" = 1'-0"

NORTH

KEY PLAN



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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
1		
3	2026.07.23	ADD 003

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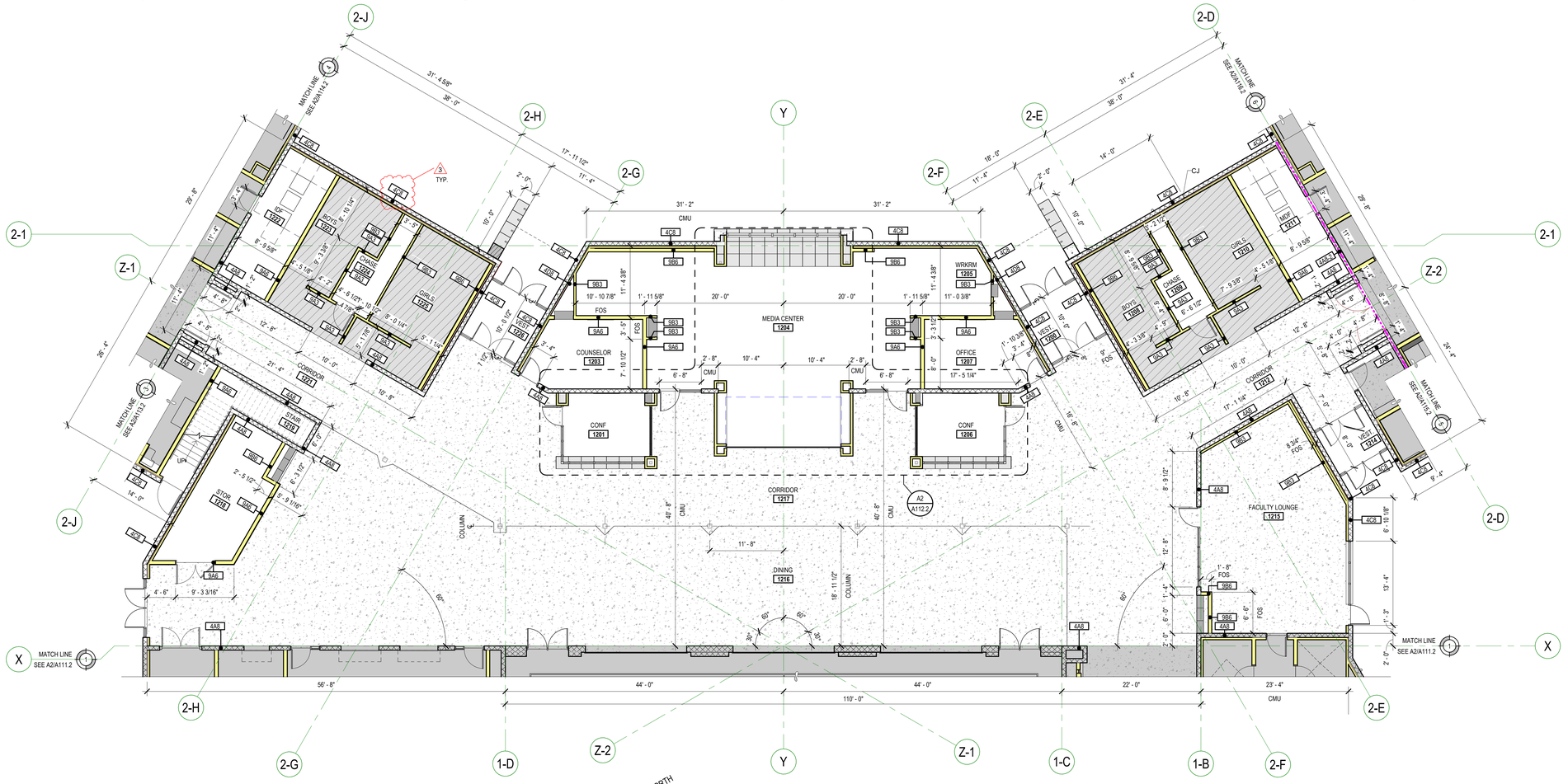
CONSTRUCTION DOCUMENTS

DIMENSION + WALL TYPE
PLAN - LEVEL 01 - AREA 1

A111.2

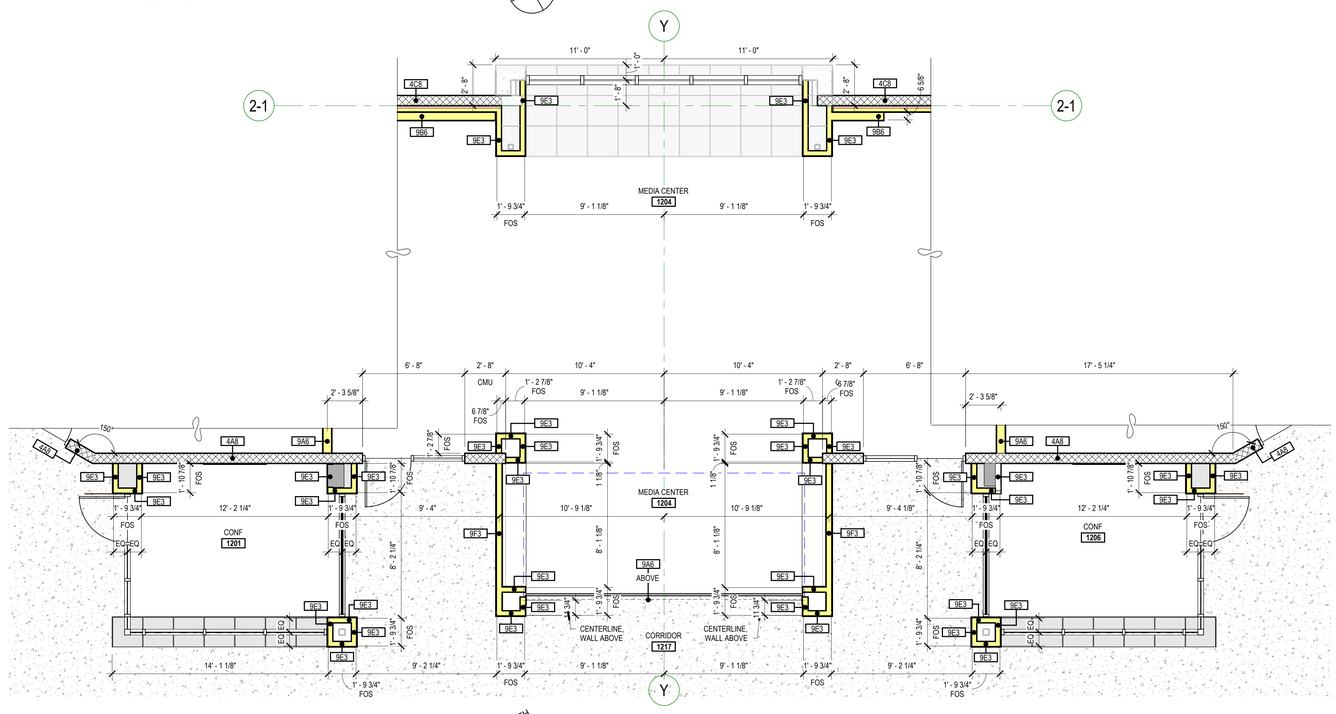
7/23/2026 11:09:01 AM



C2 PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 2

SCALE: 1/8" = 1'-0"

NORTH



A2 ENLARGED PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 2

SCALE: 1/4" = 1'-0"

NORTH

DIMENSION NOTES

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- 5X 0 SERIES COLD FORMED METAL STUDS, 16ga MIN.
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- 1 = 1 5/8" STUDS
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EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON BOTH SIDES.

NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS.

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1 HOUR SEPARATION

2 HOUR SEPARATION

EXAMPLE: WALL TYPE 9A3-1 IS A ONE HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

90X-R SERIES

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NON-BEARING METAL HEADER SCHEDULE

MAXIMUM SPAN	HEADER	FY
4'-0"	(2) 400S137-43	33 ksi
6'-0"	(2) 600S162-43	33 ksi
8'-0"	(2) 800S162-43	33 ksi

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NON-BEARING METAL STUD GAUGE SIZING

400S137-43

- 400 = MEMBER DEPTH IN 1/100 INCHES
- S = STYLE (S=STUD OR JOIST)
- 137 = FLANGE WIDTH IN 1/100 INCHES
- 43 = MATERIAL THICKNESS IN MILS

MEMBER DEPTH	MAX STUD HEIGHT	MIN. GA. & SPACING
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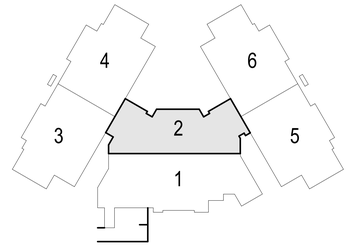
RECESSED SLAB LEGEND

2" RECESSED SLAB

8" RECESSED SLAB

KEY PLAN



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CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

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CONSTRUCTION DOCUMENTS

DIMENSION + WALL TYPE
PLAN - LEVEL 01 - AREA 2

A112.2

7/23/2026 11:09:05 AM

A2 PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 3

SCALE: 1/8" = 1'-0"

NORTH

DIMENSION NOTES

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NON-BEARING METAL STUD GAUGE SIZING

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- 137 = FLANGE WIDTH IN 1/100 INCHES
- 43 = MATERIAL THICKNESS IN MILS

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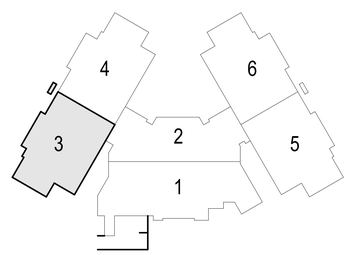
RECESSED SLAB LEGEND

- 2" RECESSED SLAB
- 8" RECESSED SLAB

KEY PLAN



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REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

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CONSTRUCTION DOCUMENTS

DIMENSION + WALL TYPE
PLAN - LEVEL 01 - AREA 3

A113.2

7/23/2026 11:09:11 AM

4-4
2-M
2-L
4-3
4-2
2-K
2-J
4-1
Z-1
A203
E1
A1
A302
A204
A1
C1
A302
B1
A302
A1
A302
B1
A571
TYP
MATCH LINE
SEE A2A113.1
MATCH LINE
SEE A2A112.1
CLASSROOM
1401
CLASSROOM
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1413
CLASSROOM
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CLASSROOM
1415
CLASSROOM
1417
CORRIDOR
1431
FLEX CLASSROOM
1466
WORKROOM
1468
STOR.
1469
TR.
1470
E1 TR.
1471
SLP.
1412
SLP.
1416
COACH
1418
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A405
A406
A357
A401
A576
SIM
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2303.7
2206.2
606.2
1006.2
1006.1
1104.0
2200.1
2800.1
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2304.0
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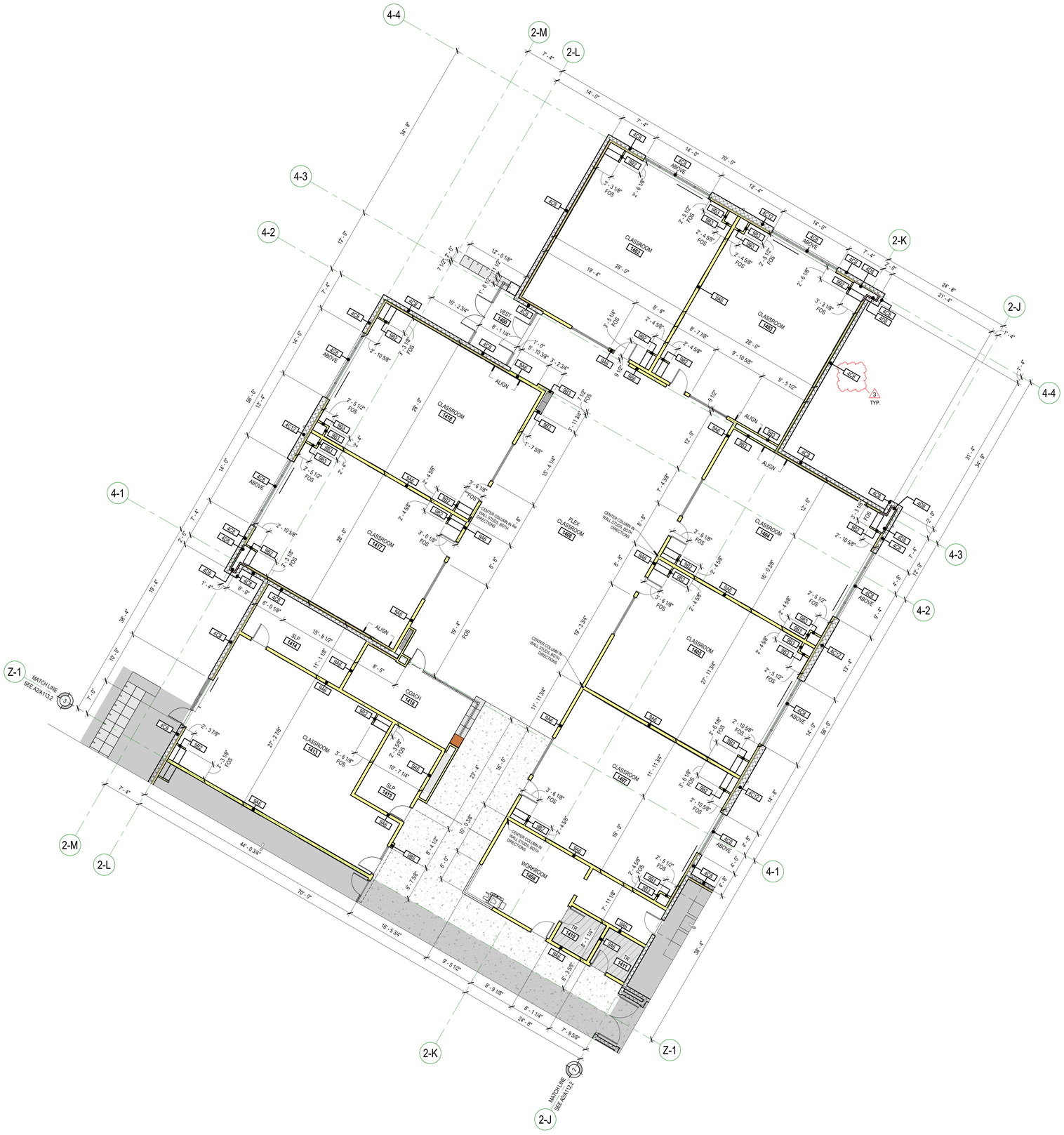


A2 PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 4

SCALE: 1/8" = 1'-0"

NORTH

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
   FOM = ONE OR BOTH POINTS ARE TO THE FACE OF MASONRY
   FOS = ONE OR BOTH POINTS ARE TO THE FACE OF STUD
2. UNLESS DIMENSIONED OTHERWISE, THE DIMENSION FROM THE BUCK OF A DOOR FRAME IS TO BE 4" TO THE WALL CORNER.
3. EXCEPT WHERE DIRECTED TO PLACE ITEMS OF WORK AT THE APPROXIMATE LOCATION SHOWN, DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION. ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN OR MAY BE DERIVED FROM THOSE SHOWN ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS. IF DIMENSIONS ARE NOT PRESENT, THE ARCHITECT IS TO BE NOTIFIED SO THAT A CLARIFICATION CAN BE ISSUED

KEY FOR PARTITION TYPES

DENOTES TYPE OF CONSTRUCTION (SPEC. DIVISION)

- WALL
- 3X 0 SERIES CONCRETE
- 4X 0 SERIES MASONRY
- 5X 0 SERIES COLD FORMED METAL STUDS, 16ga MIN.
- 9X 0 SERIES METAL STUDS
- NOMINAL SIZES: V = VARIABLE/MATCHEXISTING
  - 1 = 1 5/8" STUDS
  - 2 = 2 1/2" STUDS
  - 3 = 3 5/8" STUDS
  - 4 = 4" STUDS / 4" (NOM.) C.M.U.
  - 6 = 6" STUDS / 6" (NOM.) C.M.U.
  - 8 = 8" STUDS / 8" (NOM.) C.M.U.
  - 10 = 10" (NOM.) C.M.U. OR CONC.
  - 12 = 12" (NOM.) C.M.U. OR CONC.

EXAMPLE: WALL TYPE 9A3 IS A 3 5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON BOTH SIDES.

NOTE: SEE GENERAL NOTES BELOW FOR ADDITIONAL ELEMENTS IN THE INDIVIDUAL WALL TYPES AND SPECIFIC DETAILS, INCLUDING UL RATINGS.

RATED WALL LEGEND

- 1 HOUR SEPARATION
- 2 HOUR SEPARATION

EXAMPLE: WALL TYPE 9A3-1 IS A ONE HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

90X-R SERIES

- FIRE RATING (ONLY WHEN NOTED): 1 = 1 HOUR RATED ASSEMBLY
  2 = 2 HOUR RATED ASSEMBLY
  3 = 3 HOUR RATED ASSEMBLY

NON-BEARING METAL HEADER SCHEDULE

MAXIMUM SPAN	HEADER	FY
4'-0"	(2) 400S137-43	33 ksi
6'-0"	(2) 600S162-43	33 ksi
8'-0"	(2) 800S162-43	33 ksi

METAL STUD HEADER NOTES:

1. SCHEDULE TO BE USED FOR NON-BEARING WALLS.
2. HEADERS TO BE CONSTRUCTED AS BOX HEADERS PER SSMA STANDARDS.
3. SEE TYPICAL DETAIL FOR MORE INFORMATION.

NON-BEARING METAL STUD GAUGE SIZING

400S137-43

- 400 = MEMBER DEPTH IN 1/100 INCHES
- 137 = FLANGE WIDTH IN 1/100 INCHES
- S = STYLE (S=STUD OR JOIST)
- 43 = MATERIAL THICKNESS IN MILS

MEMBER DEPTH	MAX STUD HEIGHT	MIN. GA. & SPACING
2 1/2" (250S125-33)	10'-0"	20@16" O.C.
3 5/8" (362S125-33)	14'-0"	20@16" O.C.
3 5/8" (362S162-33)	16'-0"	20@16" O.C.
3 5/8" (362S162-43)	18'-0"	18@16" O.C.
6" (600S162-33)	24'-0"	20@16" O.C.
6" (600S162-43)	26'-0"	18@16" O.C.
6" (600S162-54-50KSI)	28'-0"	16@16" O.C.

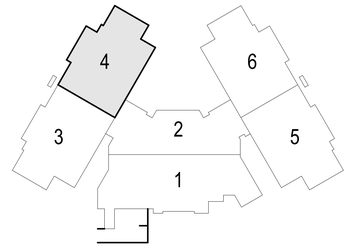
METAL STUD NOTES:

1. STEEL STUDS SHALL MEET ICC REPORT ER-4943P AND THE SSMA STANDARDS. HEIGHT BASED ON SSMA 2001 CATALOG AND PROJECT REQUIREMENTS.
2. SEE SCHEDULE FOR STUD SPACING AND GAUGE. ALL STUDS AND BRACES SHALL BE 33 KSI UNLESS NOTED OTHERWISE IN THESE DRAWINGS.
3. AT ALL DOORS PROVIDE TWO TABBED 18 GAUGE STUDS AT BOTH SIDES OF JAMB.
4. PLEASE NOTE THAT DUE TO THE LARGE FLOOR TO FLOOR HEIGHT 18 GAUGE STUDS WILL BE NECESSARY IN MOST INTERIOR NON LOAD BEARING WALLS. REFER TO THE CHART ABOVE.

RECESSED SLAB LEGEND

- 2" RECESSED SLAB
- 8" RECESSED SLAB

KEY PLAN



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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

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2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

DIMENSION + WALL TYPE
PLAN - LEVEL 01 - AREA 4

A114.2

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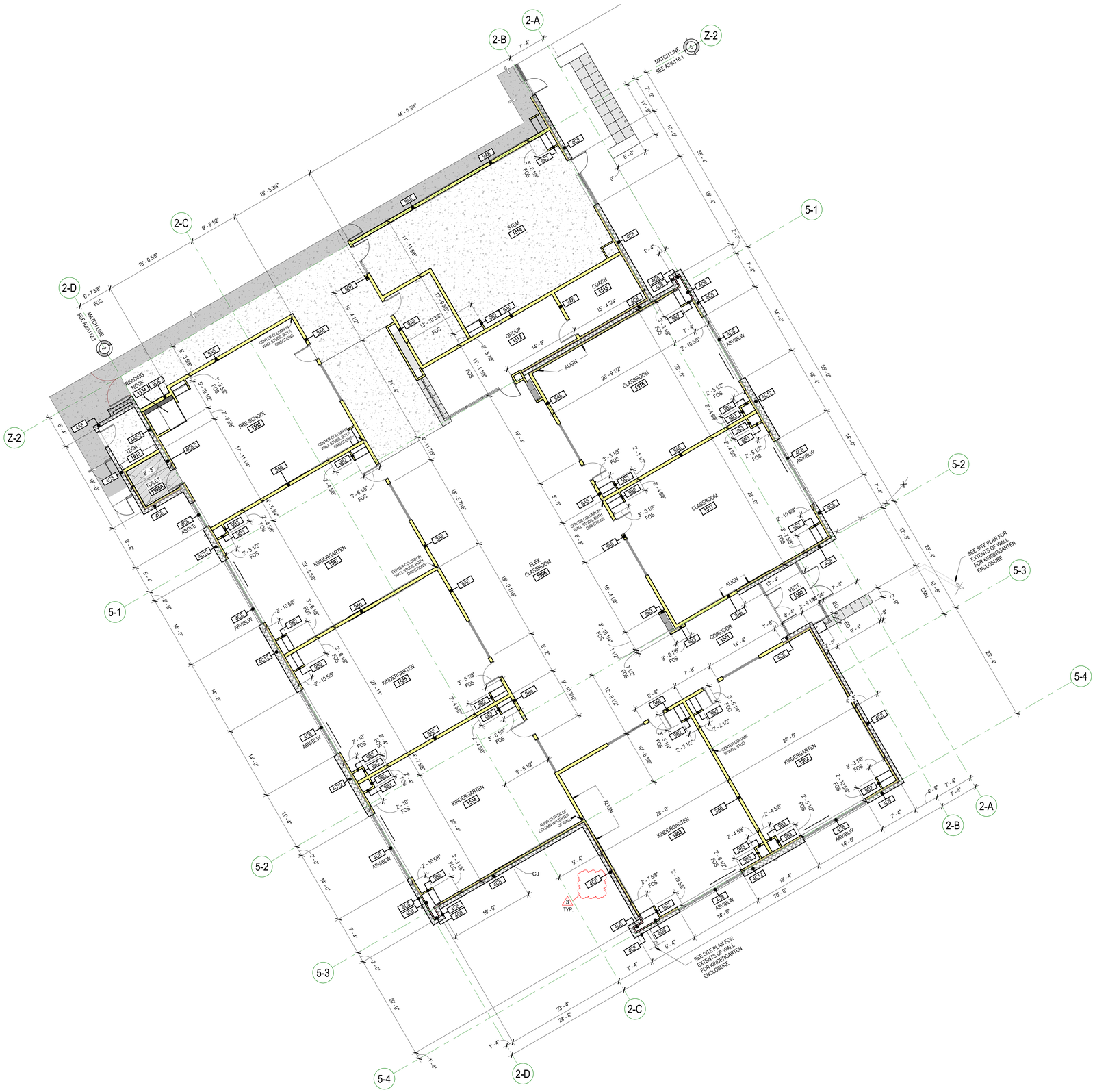

A2 PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 5

SCALE: 1/8" = 1'-0"

NORTH

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO CENTER OF STUD WALL OR FACE OF CONCRETE, MASONRY OR ROUGH OPENING UNLESS NOTED OTHERWISE. WHERE THE END OF A WALL IS INDICATED THE DIMENSION IS TO THE FINISH SURFACE OF THE WALL END.
   FOM = ONE OR BOTH POINTS ARE TO THE FACE OF MASONRY
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- 9X 0 SERIES METAL STUDS

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- 1 = 1 5/8" STUDS
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EXAMPLE: WALL TYPE 9A3-1 IS A ONE HOUR RATED, 3 5/8" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES, PER ASSEMBLY REQUIREMENTS.

90X-R SERIES

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NON-BEARING METAL HEADER SCHEDULE

MAXIMUM SPAN	HEADER	FY
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6'-0"	(2) 600S162-43	33 ksi
8'-0"	(2) 800S162-43	33 ksi

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NON-BEARING METAL STUD GAUGE SIZING

MEMBER DEPTH IN 1/100 INCHES — FLANGE WIDTH IN 1/100 INCHES

400S137-43

STYLE (S=STUD OR JOIST) — MATERIAL THICKNESS IN MILS

MEMBER DEPTH	MAX STUD HEIGHT	MIN. GA. & SPACING
2 1/2" (250S125-33)	10'-0"	20@16" O.C.
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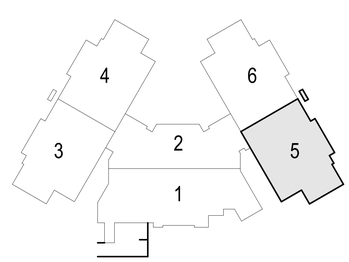
- 2" RECESSED SLAB
- 8" RECESSED SLAB

KEY PLAN



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SALT LAKE CITY, UT 84102
801.575.8800

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ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

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CONSTRUCTION DOCUMENTS

DIMENSION + WALL TYPE
PLAN - LEVEL 01 - AREA 5

A115.2

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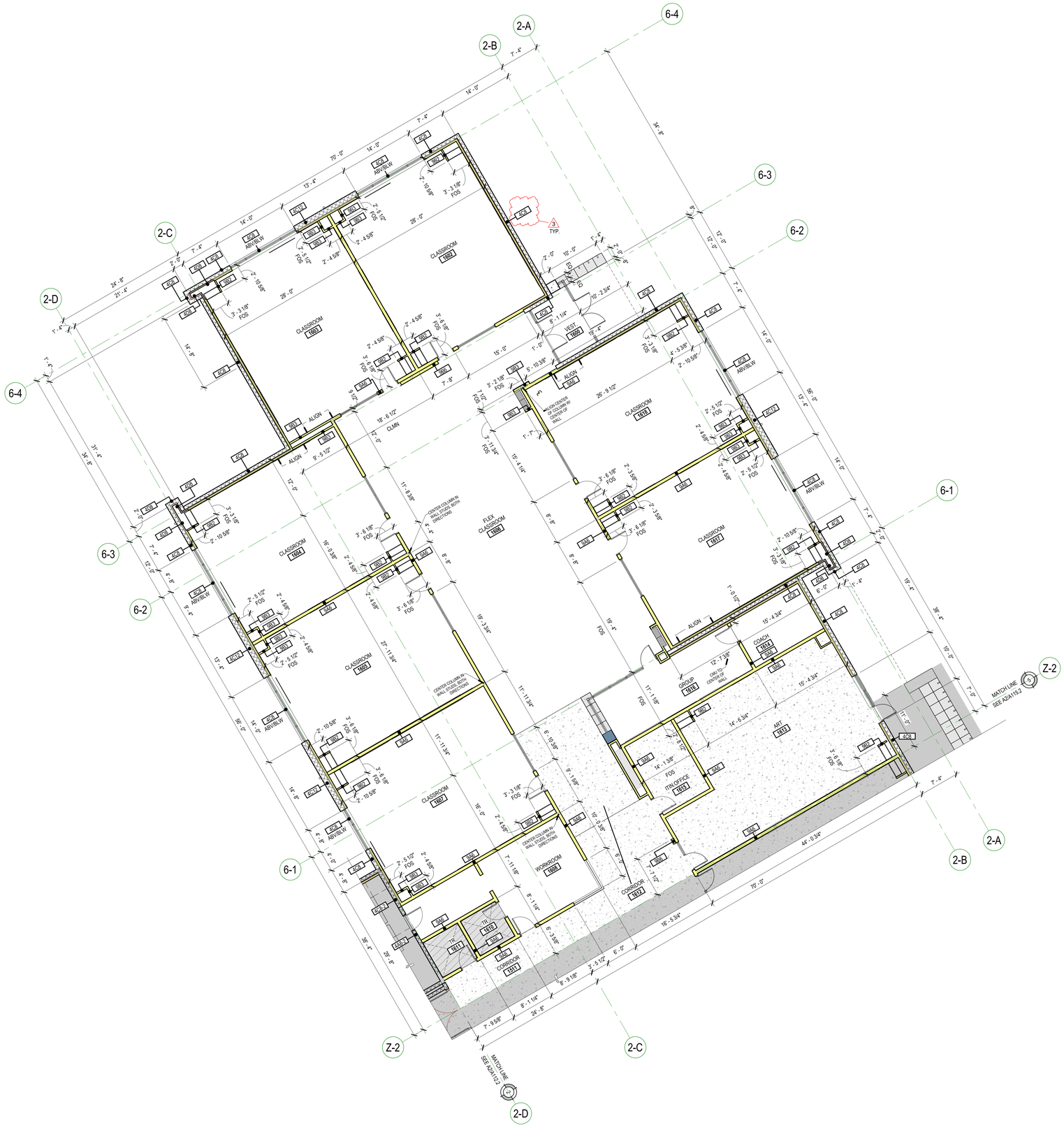

A2 PLAN - DIMENSION + WALL TYPE - LEVEL 01 - AREA 6

SCALE: 1/8" = 1'-0"

NORTH

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NON-BEARING METAL STUD GAUGE SIZING

400S137-43

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- S: STYLE (S=STUD OR JOIST)
- 137: FLANGE WIDTH IN 1/100 INCHES
- 43: MATERIAL THICKNESS IN MILS

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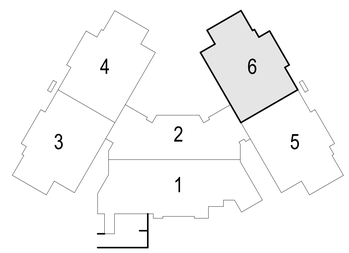
RECESSED SLAB LEGEND

- 2" RECESSED SLAB
- 8" RECESSED SLAB

KEY PLAN



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CONSTRUCTION DOCUMENTS

DIMENSION + WALL TYPE
PLAN - LEVEL 01 - AREA 6

A116.2

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KEYED NOTES

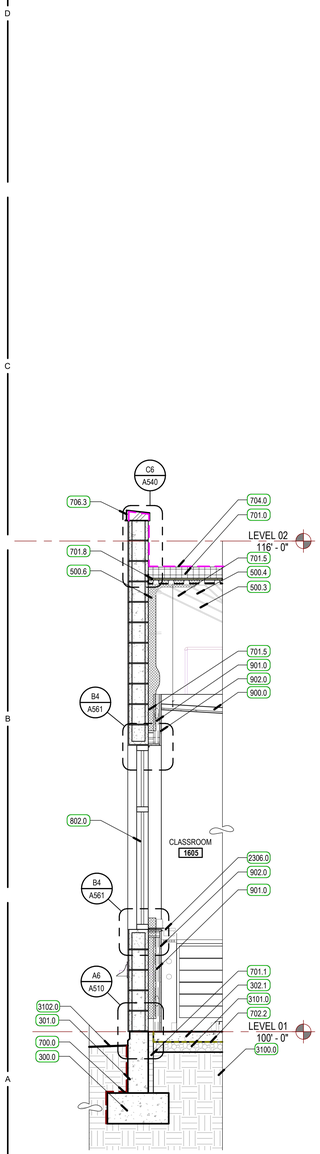
300.0	REINFORCED CONCRETE FOOTING, 30" MINIMUM BELOW GRADE @ EXTERIOR & 8" MINIMUM BELOW FINISH FLOOR, TYP.
301.0	REINFORCED CONCRETE FOUNDATION WALL, INSULATED AT ALL EXTERIOR LOCATIONS WITH ARCHITECTURAL GRADE FINISH WHERE EXPOSED
301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
302.0	4" DENSIFIED, FIBER MESH REINFORCED STANDARD GRAY CONCRETE SLAB, REINFORCE PER STRUCTURAL BUT NO LESS THAN #4 BAR @ NO GREATER THAN 16" O.C. BOTH WAYS & DISCONNECTED FROM PERIMETER FOUNDATION WALLS, TYP. TOPPING SLAB FINISHES, LEVEL OF POLISH, AND MODIFIED AGGREGATE AS NOTED ON ANNOTATED PLANS.
302.1	REINFORCED CONCRETE SLAB ON GRADE, 4" TYP.
303.0	REINFORCED CONCRETE SLAB OVER COMPOSITE METAL DECK
308.0	6"TALL x CONT. CONCRETE CURB AT EDGE OF SLAB W/ 4" RUBBER WATER STOP SET EQUALLY IN BOTH CONCRETE SLAB BELOW AND CONCRETE CURB. PROVIDE 3/4" CHAMFER ON EXPOSED EDGE. WHERE STUD WALL LANDS ON TOP OF CURB, CURB WIDTH TO BE 1-1/2" BEYOND FACE OF WALL. WHERE CURB IS PLACED AT EDGE OF SLAB NEXT TO MASONRY WALL OR STAIR OPENING, CURB IS TO BE 6" WIDE.
308.4	6"TALL x 12"WIDE x CONT. CONCRETE CURB AT EDGE OF SLAB WHERE STEEL COLUMNS PENETRATE SLAB W/ 4" RUBBER WATER STOP SET EQUALLY IN BOTH CONCRETE SLAB BELOW AND CONCRETE CURB. PROVIDE 3/4" CHAMFER ON EXPOSED EDGE.
400.3	SOLID BOTTOM UNIT (SBU'S) @ ALL HEADERS, LINTELS, AND SILLS, TYP. DO NOT USE OPEN CELL UNITS WHERE CELLS WILL BE EXPOSED TO VIEW INCLUDING AT WINDOW SILLS, & NO SOLDIER COURSING, TYP.
400.4	CONCRETE MASONRY UNIT (CMU)
500.2	STEEL BEAM PAINTED WHERE EXPOSED
500.3	STEEL JOIST PAINTED WHERE EXPOSED
500.4	STEEL DECK PAINTED WHERE EXPOSED
500.5	STEEL ANGLE PAINTED WHERE EXPOSED
500.6	STEEL PLATE PAINTED WHERE EXPOSED
500.8	STEEL TUBE COLUMN PAINTED WHERE EXPOSED, 4X4X5/16 MINIMUM, UNLESS NOTED LARGER BY STRUCTURAL, TYP.

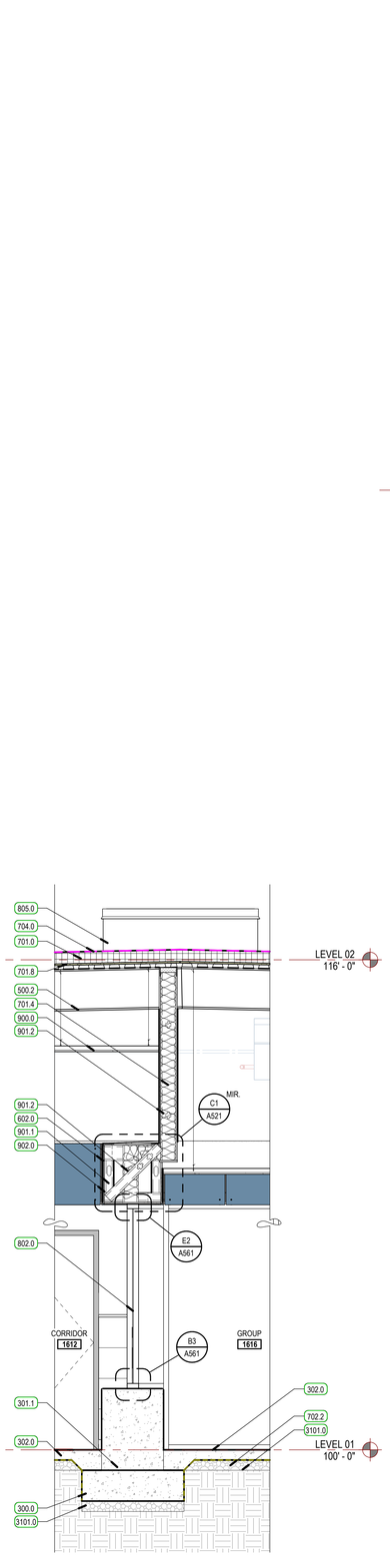
KEYED NOTES

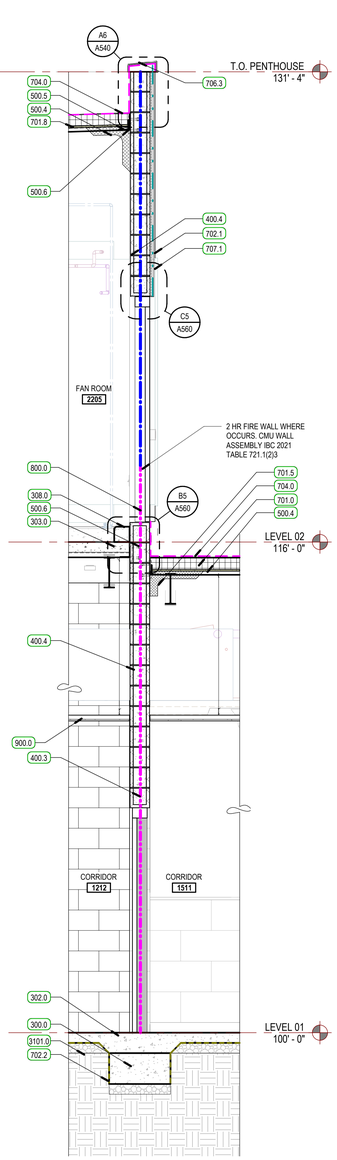
602.0	1/2" MDF PANELS WITH SQUARE EDGES, TYP. MECHANICALLY ATTACHED WITH #10 TORX HEAD FASTNERS & COUNTERSUNK WASHER PLATES OVER GYP WALL BOARD PAINTED BLACK. PROVIDE BACKING AS REQUIRED TO SUPPORT MDF PANELS, TYP. PREP ALL EXPOSED FACES AND EDGES TO RECEIVE AIRLESS SPRAYED PAINT FINISH, TYP. MOCK-UP REQUIRED PRIOR TO FABRICATION.
700.0	FLUID APPLIED BELOW GRADE DAMPROOFING WITH 1/8" ASPHALTIC PROTECTION BOARD FROM TOE OF FOOTING TO FINISH GRADE, TYP.
701.0	(2) LAYERS OF 2.5" RIGID INSULATION BOARD, R-30 MINIMUM
701.1	2" BELOW GRADE PERIMETER RIGID INSULATION BOARD INSTALLED IN CONTINUOUS PRE-MANUFACTURED VERTICAL PIECES.
701.4	R-13 MINIMUM THERMAL BATT INSULATION - FULL THICKNESS
701.5	3" MINIMUM DEPTH, R6.8 PER INCH MINIMUM LTTR RATING, 2# SPRAY APPLIED CLOSED CELL THERMAL INSULATION WITH IGNITION BARRIER WHERE EXPOSED TO POTENTIAL IGNITION, TYP. PROVIDE MINIMUM 2" THICK UNINTERRUPTED LAYER BETWEEN METAL STUD FURRING AND MASONRY WALL, FULL HEIGHT, TYP. PROVIDE AN ADDITIONAL 1" MINIMUM THICK LAYER WITHIN EACH STUD CAVITY, FULL HEIGHT, TYP. ADDITIONALLY, INSULATE ALL BACK TO BACK STUDS, BOX HEADERS, AND OTHER FRAMING THAT CREATES CONCEALED SPACES IN OTHERWISE INSULATED WALLS, TYP. WHERE WALL INTERSECTS FLOOR / ROOF DECK EXTEND INSULATION 18" MINUMUM OUT ONTO DECK SURFACE. FILL ALL ASSOCIATED VOIDS FOR A COMPLETE THERMALLY SEALED BARRIER, TYP.
701.6	FULL DEPTH, R6.8 PER INCH MINIMUM LTTR RATING, 2# SPRAY APPLIED CLOSED CELL THERMAL INSULATION WITH IGNITION BARRIER WHERE EXPOSED TO POTENTIAL IGNITION, TYP. PROVIDE FULL DEPTH OF STUD, OR WHERE NO STUD OCCURS, PROVIDE 3" MINIMUM THICKNESS, TYP. WHERE WALL INTERSECTS FLOOR / ROOF DECK EXTEND INSULATION 18" MINUMUM OUT ONTO DECK SURFACE. FILL ALL ASSOCIATED VOIDS INCLUDING STUB BOX HEADERS, DOUBLE AND TRIPLE KING STUDS, ETC. FOR A COMPLETE THERMALLY SEALED BARRIER, TYP.
701.8	5/8" ROOF SUBSTRATE BOARD
702.1	ABOVE GRADE FLUID APPLIED AIR/VAPOR/MOISTURE BARRIER
702.2	REINFORCED POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6", TYP. UNDERSLAB AT ALL SLAB ON GRADE LOCATIONS WITHIN THE BUILDING FOOTPRINT, TYP.

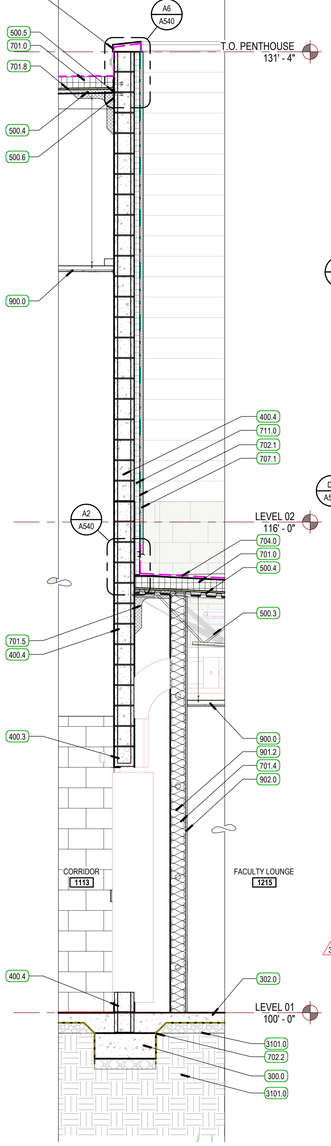
KEYED NOTES

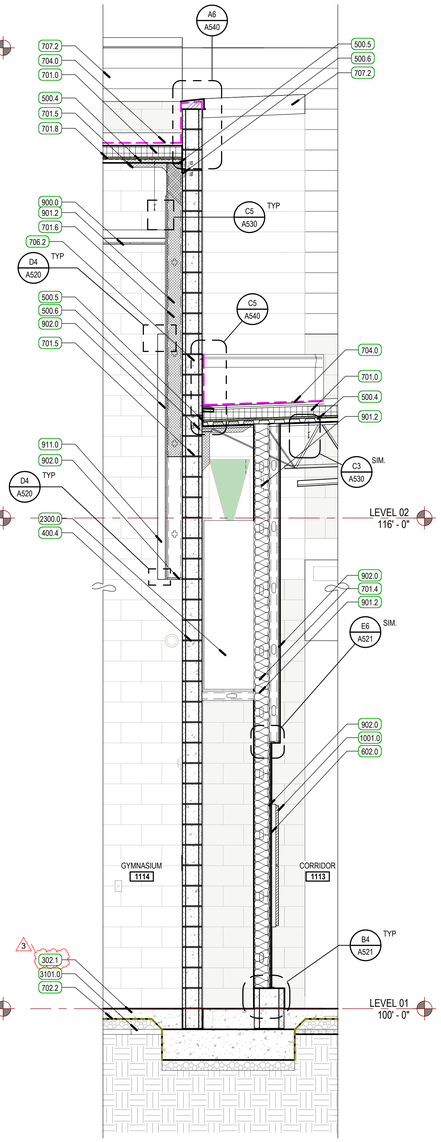
704.0	FM LISTED 60 MIL MINIMUM SINGLE-PLY MEMBRANE ROOFING SYSTEM WITH 1A-90 & SH CLASSIFICATIONS, ALL OTHERS TO SUBMIT FOR PRIOR APPROVAL ALL VERTICAL MEMBRANE SURFACES AT STEPPED WALLS, CURBS, ETC. TO BE 12" MINIMUM FROM LOWER ROOF MEMBRANE TO TERMINATION BAR OR CURB, TYP. COORDINATE WITH ARCHITECT ANY CONDITIONS THAT VARY FROM THIS REQUIREMENT PRIOR TO INSTALLATION OF ROOFING SYSTEM, TYP.
706.2	PRE-FINISHED CONT. METAL REGLET AND COUNTER FLASHING
706.3	20 GA. PRE-FINISHED CONT. METAL CAP WITH DOUBLE LOCK STANDING SEAMS PER SMACNA MANUAL, 6TH EDITION, FIGURE 3-3, ITEM 25, TYP.
707.1	22 GA. X 8" WIDE X 1.5" DEEP PRE-FINISHED HORIZONTAL EXTERIOR METAL WALL PANEL SYSTEM WITH POST INSTALLED RIGID INSULATION INSERTS FACTORY CUT TO FIT PANEL PROFILE.
707.2	PRE-FINISHED ALUMINUM COMPOSITE METAL (ACM) WALL PANEL SYSTEM WITH WET JOINTS
711.0	CAVITY WALL RIGID INSULATION BOARD, 2" THICK, TYP
800.0	SCHEDULED DOOR AND FRAME
802.0	ANODIZED ALUMINUM STOREFRONT/CURTAINWALL SYSTEM
805.0	INSULATED TRANSLUCENT SKYLIGHT SYSTEM
900.0	SCHEDULED CEILING SYSTEM
901.0	2-1/2" METAL STUD FRAMING
901.1	3-5/8" METAL STUD FRAMING
901.2	6" METAL STUD FRAMING
901.3	3-5/8" METAL STUD KICKER @ 48"O.C. MINIMUM, TYP.
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
911.0	TECTUM PANELS, PAINTED
1001.0	SIGNAGE, SEE SCHEDULE
2300.0	MECHANICAL DUCT, PAINTED WHERE EXPOSED
2306.0	PRE-FINISHED RADIATOR
3100.0	ENGINEERED FILL
3101.0	4" MINIMUM FREE DRAINING GRAVEL BASE
3102.0	FINISH GRADE

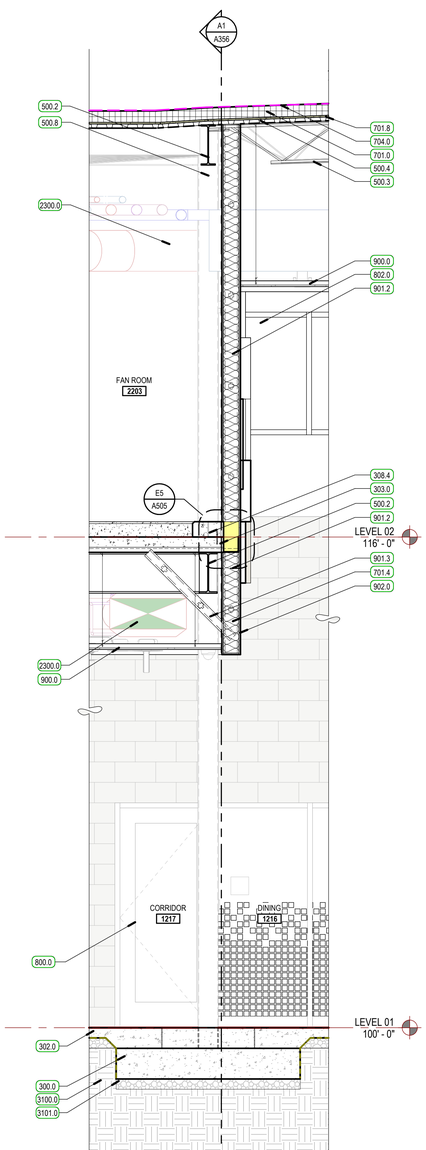












A1 WALL SECTION
SCALE: 1/2" = 1'-0"

A2 WALL SECTION
SCALE: 1/2" = 1'-0"

A3 WALL SECTION
SCALE: 1/2" = 1'-0"

A4 WALL SECTION
SCALE: 1/2" = 1'-0"

A5 WALL SECTION
SCALE: 1/2" = 1'-0"

A6 WALL SECTION
SCALE: 1/2" = 1'-0"

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SALT LAKE CITY, UT 84102
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ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

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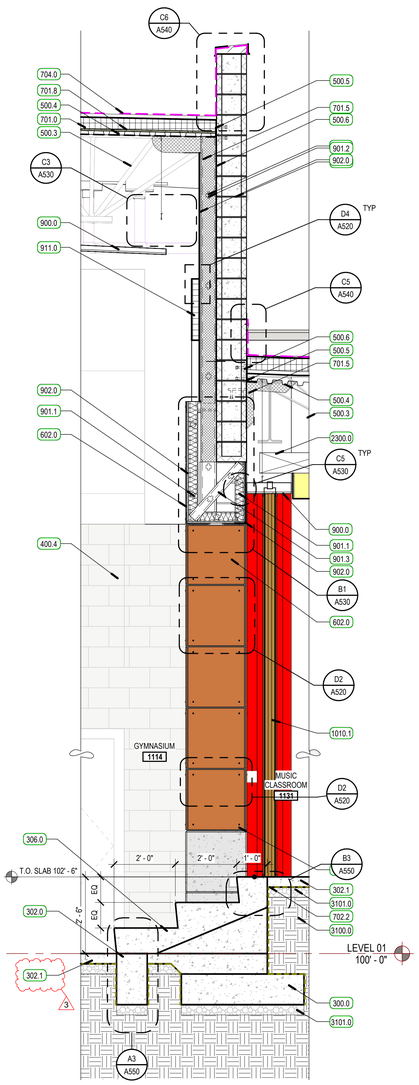
CONSTRUCTION DOCUMENTS

WALL SECTIONS

A351

7/23/2026 11:09:51 AM



A1 WALL SECTION

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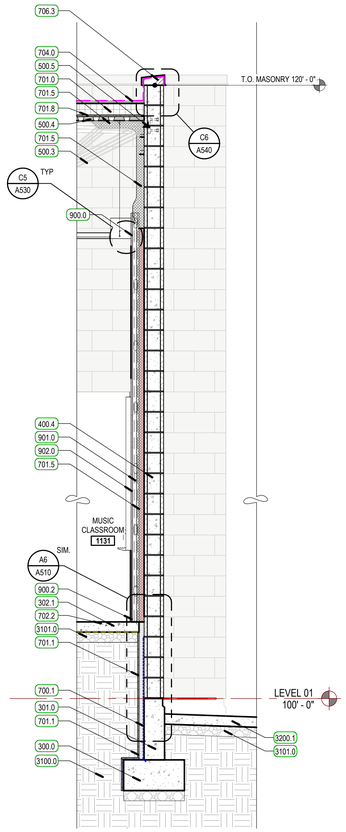

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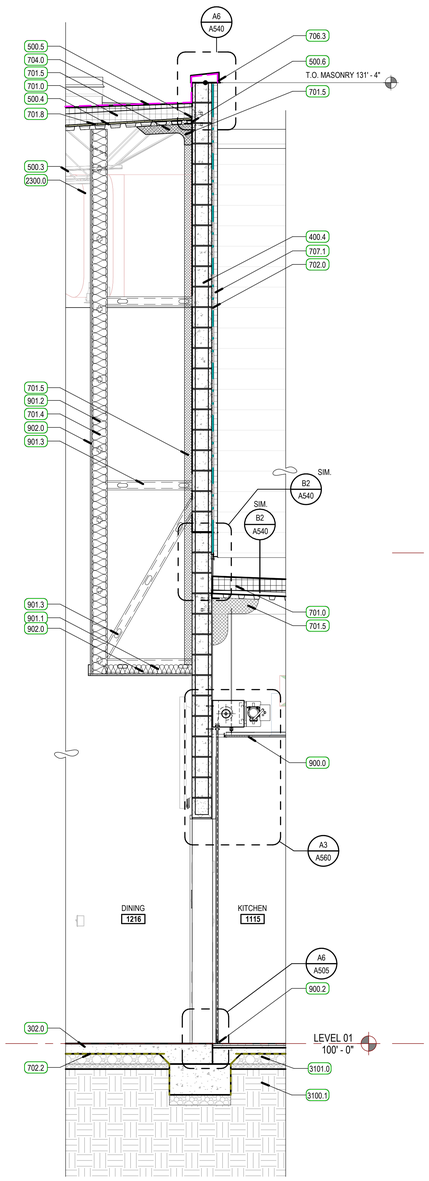
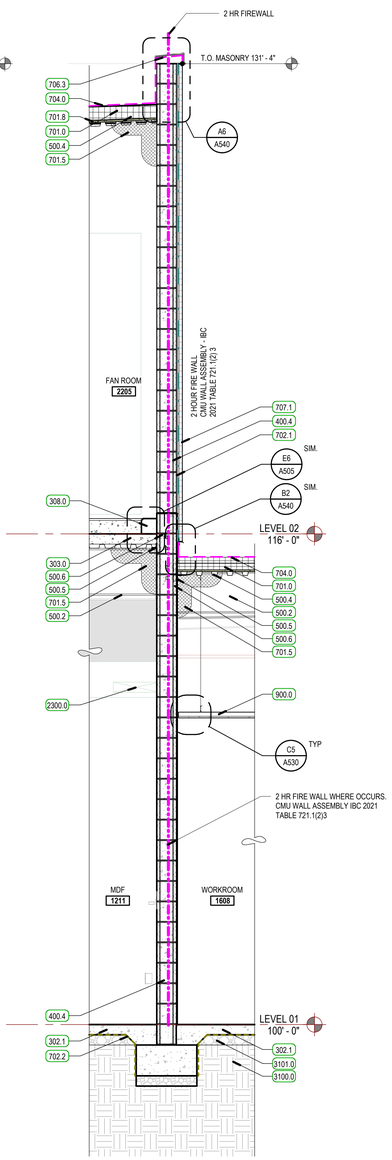


A3 WALL SECTION

SCALE: 1/2" = 1'-0"



A4 WALL SECTION- FIRE WALL

SCALE: 1/2" = 1'-0"

KEYED NOTES

300.0	REINFORCED CONCRETE FOOTING, 30" MINIMUM BELOW GRADE @ EXTERIOR & 8" MINIMUM BELOW FINISH FLOOR, TYP.
301.0	REINFORCED CONCRETE FOUNDATION WALL, INSULATED AT ALL EXTERIOR LOCATIONS WITH ARCHITECTURAL GRADE FINISH WHERE EXPOSED
301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
302.0	4" DENSIFIED, FIBER MESH REINFORCED STANDARD GRAY CONCRETE SLAB, REINFORCE PER STRUCTURAL BUT NO LESS THAN #4 BAR @ NO GREATER THAN 16" O.C. BOTH WAYS & DISCONNECTED FROM PERIMETER FOUNDATION WALLS, TYP. TOPPING SLAB FINISHES, LEVEL OF POLISH, AND MODIFIED AGGREGATE AS NOTED ON ANNOTATED PLANS.
302.1	REINFORCED CONCRETE SLAB ON GRADE, 4" TYP.
303.0	REINFORCED CONCRETE SLAB OVER COMPOSITE METAL DECK
306.0	REINFORCED MONOLITHIC CONCRETE STAIR/RAMP
308.0	6"TALL x CONT. CONCRETE CURB AT EDGE OF SLAB W/ 4" RUBBER WATER STOP SET EQUALLY IN BOTH CONCRETE SLAB BELOW AND CONCRETE CURB. PROVIDE 3/4" CHAMFER ON EXPOSED EDGE. WHERE STUD WALL LANDS ON TOP OF CURB, CURB WIDTH TO BE 1-1/2" BEYOND FACE OF WALL. WHERE CURB IS PLACED AT EDGE OF SLAB NEXT TO MASONRY WALL OR STAIR OPENING, CURB IS TO BE 6" WIDE.
400.4	CONCRETE MASONRY UNIT (CMU)
500.2	STEEL BEAM PAINTED WHERE EXPOSED
500.3	STEEL JOIST PAINTED WHERE EXPOSED
500.4	STEEL DECK PAINTED WHERE EXPOSED
500.5	STEEL ANGLE PAINTED WHERE EXPOSED
500.6	STEEL PLATE PAINTED WHERE EXPOSED
602.0	1/2" MDF PANELS WITH SQUARE EDGES, TYP. MECHANICALLY ATTACHED WITH #10 TORX HEAD FASTNERS & COUNTERSUNK WASHER PLATES OVER GYP WALL BOARD PAINTED BLACK. PROVIDE BACKING AS REQUIRED TO SUPPORT MDF PANELS, TYP. PREP ALL EXPOSED FACES AND EDGES TO RECEIVE AIRLESS SPRAYED PAINT FINISH, TYP. MOCK-UP REQUIRED PRIOR TO FABRICATION.
700.1	BELOW GRADE SELF ADHERING SHEET WATER PROOFING WITH MOLDED SHEET DRAINAGE PANEL AND 1/4" THICK FIBERGLASS PROTECTION COURSE
701.0	(2) LAYERS OF 2.5" RIGID INSULATION BOARD, R-30 MINIMUM
701.1	2" BELOW GRADE PERIMETER RIGID INSULATION BOARD INSTALLED IN CONTINUOUS PRE-MANUFACTURED VERTICAL PIECES.
701.4	R-13 MINIMUM THERMAL BATT INSULATION - FULL THICKNESS
701.5	3" MINIMUM DEPTH, R6.8 PER INCH MINIMUM LTTR RATING, 2# SPRAY APPLIED CLOSED CELL THERMAL INSULATION WITH IGNITION BARRIER WHERE EXPOSED TO POTENTIAL IGNITION, TYP. PROVIDE MINIMUM 2" THICK UNINTERRUPTED LAYER BETWEEN METAL STUD FURRING AND MASONRY WALL, FULL HEIGHT, TYP. PROVIDE AN ADDITIONAL 1" MINIMUM THICK LAYER WITHIN EACH STUD CAVITY, FULL HEIGHT, TYP. ADDITIONALLY, INSULATE ALL BACK TO BACK STUDS, BOX HEADERS, AND OTHER FRAMING THAT CREATES CONCEALED SPACES IN OTHERWISE INSULATED WALLS, TYP. WHERE WALL INTERSECTS FLOOR / ROOF DECK EXTEND INSULATION 18" MINIMUM OUT ONTO DECK SURFACE. FILL ALL ASSOCIATED VOIDS FOR A COMPLETE THERMALLY SEALED BARRIER, TYP.
701.6	FULL DEPTH, R6.8 PER INCH MINIMUM LTTR RATING, 2# SPRAY APPLIED CLOSED CELL THERMAL INSULATION WITH IGNITION BARRIER WHERE EXPOSED TO POTENTIAL IGNITION, TYP. PROVIDE FULL DEPTH OF STUD, OR WHERE NO STUD OCCURS, PROVIDE 3" MINIMUM THICKNESS, TYP. WHERE WALL INTERSECTS FLOOR / ROOF DECK EXTEND INSULATION 18" MINIMUM OUT ONTO DECK SURFACE. FILL ALL ASSOCIATED VOIDS INCLUDING STUB BOX HEADERS, DOUBLE AND TRIPLE KING STUDS, ETC. FOR A COMPLETE THERMALLY SEALED BARRIER, TYP.
701.8	5/8" ROOF SUBSTRATE BOARD
702.0	ABOVE GRADE FLUID APPLIED AIR/MOISTURE BARRIER
702.1	ABOVE GRADE FLUID APPLIED AIR/VAPOR/MOISTURE BARRIER
702.2	REINFORCED POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6", TYP. UNDERSLAB AT ALL SLAB ON GRADE LOCATIONS WITHIN THE BUILDING FOOTPRINT, TYP.
704.0	FM LISTED 60 MIL MINIMUM SINGLE-PLY MEMBRANE ROOFING SYSTEM WITH 1A-90 & SH CLASSIFICATIONS, ALL OTHERS TO SUBMIT FOR PRIOR APPROVAL. ALL VERTICAL MEMBRANE SURFACES AT STEPPED WALLS, CURBS, ETC. TO BE 12" MINIMUM FROM LOWER ROOF MEMBRANE TO TERMINATION BAR OR CURB, TYP. COORDINATE WITH ARCHITECT ANY CONDITIONS THAT VARY FROM THIS REQUIREMENT PRIOR TO INSTALLATION OF ROOFING SYSTEM, TYP.
706.3	20 GA. PRE-FINISHED CONT. METAL CAP WITH DOUBLE LOCK STANDING SEAMS PER SMACNA MANUAL, 6TH EDITION, FIGURE 3-3, ITEM 25, TYP.
707.1	22 GA. X 8" WIDE X 1.5" DEEP PRE-FINISHED HORIZONTAL EXTERIOR METAL WALL PANEL SYSTEM WITH POST INSTALLED RIGID INSULATION INSERTS FACTORY CUT TO FIT PANEL PROFILE.
900.0	SCHEDULED CEILING SYSTEM
900.2	WALL BASE - STAINLESS STEEL GRILL
901.0	2-1/2" METAL STUD FRAMING
901.1	3-5/8" METAL STUD FRAMING
901.2	6" METAL STUD FRAMING
901.3	3-5/8" METAL STUD KICKER @ 48"O.C. MINIMUM, TYP.
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
911.0	TECTUM PANELS, PAINTED
1010.1	ACCORDION FOLDING PARTITION
2300.0	MECHANICAL DUCT, PAINTED WHERE EXPOSED
3100.0	ENGINEERED FILL
3100.1	NATIVE FILL, DO NOT DISTURB
3101.0	4" MINIMUM FREE DRAINING GRAVEL BASE
3200.1	4" THICK CONCRETE SIDEWALK WITH SUBBASE

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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

WALL SECTIONS

A352

7/23/2026 11:10:02 AM

KEYED NOTES

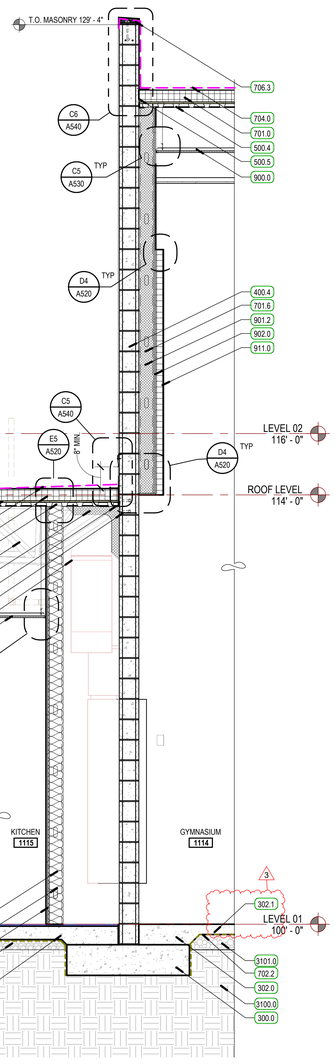
300.0	REINFORCED CONCRETE FOOTING, 30" MINIMUM BELOW GRADE @ EXTERIOR & 8" MINIMUM BELOW FINISH FLOOR, TYP.
301.0	REINFORCED CONCRETE FOUNDATION WALL, INSULATED AT ALL EXTERIOR LOCATIONS WITH ARCHITECTURAL GRADE FINISH WHERE EXPOSED
301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
302.0	4" DENSIFIED, FIBER MESH REINFORCED STANDARD GRAY CONCRETE SLAB, REINFORCE PER STRUCTURAL BUT NO LESS THAN #4 BAR @ NO GREATER THAN 16" O.C. BOTH WAYS & DISCONNECTED FROM PERIMETER FOUNDATION WALLS, TYP. TOPPING SLAB FINISHES, LEVEL OF POLISH, AND MODIFIED AGGREGATE AS NOTED ON ANNOTATED PLANS.
302.1	REINFORCED CONCRETE SLAB ON GRADE, 4" TYP.
303.0	REINFORCED CONCRETE SLAB OVER COMPOSITE METAL DECK
304.0	REINFORCED CONCRETE HOUSEKEEPING PAD, 6" THICK, TYP. TIE PAD TO SLAB ON GRADE AS DICTATED BY STRUCTURAL, BUT NOT LESS THAN #4 BAR @ 16" O.C. EACH WAY TIED TO HOOKED #4 VERTICAL BAR @ 16" O.C. MAX EACH WAY, TYP. W/ 50% EMBEDMENT IN SLAB ON GRADE. COORDINATE FINAL DIMENSION WITH EQUIPMENT MANUFACTURER PRIOR TO PLACEMENT. EXTEND PAD 6" BEYOND FURTHEST EDGE OF EQUIPMENT, TYP.
400.4	CONCRETE MASONRY UNIT (CMU)
500.2	STEEL BEAM PAINTED WHERE EXPOSED
500.3	STEEL JOIST PAINTED WHERE EXPOSED
500.4	STEEL DECK PAINTED WHERE EXPOSED
500.5	STEEL ANGLE PAINTED WHERE EXPOSED
500.6	STEEL PLATE PAINTED WHERE EXPOSED
501.1	6" COLD FORMED METAL STUDS

KEYED NOTES

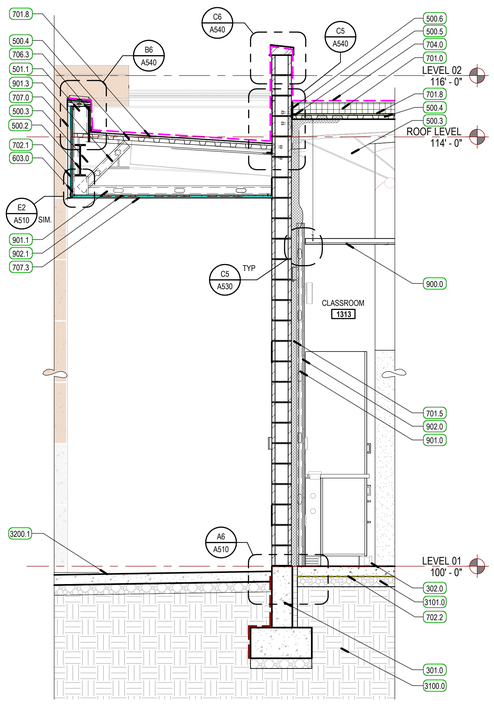
602.0	1/2" MDF PANELS WITH SQUARE EDGES, TYP. MECHANICALLY ATTACHED WITH #10 TORX HEAD FASTNERS & COUNTERSUNK WASHER PLATES OVER GYP WALL BOARD PAINTED BLACK. PROVIDE BACKING AS REQUIRED TO SUPPORT MDF PANELS, TYP. PREP ALL EXPOSED FACES AND EDGES TO RECEIVE AIRLESS SPRAYED PAINT FINISH, TYP. MOCK-UP REQUIRED PRIOR TO FABRICATION.
603.0	PLYWOOD SHEATHING, TREATED AT ALL EXTERIOR LOCATIONS, TYP.
605.4	WALL MOUNTED BOOK SHELVES, WITH 2X WOOD BLOCKING TOP AND BOTTOM, TYP.
700.0	FLUID APPLIED BELOW GRADE DAMPROOFING WITH 1/8" ASPHALTIC PROTECTION BOARD FROM TOE OF FOOTING TO FINISH GRADE, TYP.
701.0	(2) LAYERS OF 2.5" RIGID INSULATION BOARD, R-30 MINIMUM
701.2	2" BELOW GRADE RIGID INSULATION BOARD SET ABOVE GRAVEL AND BELOW SLAB AT DOOR THRESHOLD WHERE VERTICAL INSULATION CANNOT RUN CONTINUOUS. EXTEND INSULATION 24" HORIZONTALLAY X CONTINUOUS WHERE EXTERIOR DOORS OCCUR.
701.4	R-13 MINIMUM THERMAL BATT INSULATION - FULL THICKNESS
701.5	3" MINIMUM DEPTH, R6.8 PER INCH MINIMUM LTTR RATING, 2# SPRAY APPLIED CLOSED CELL THERMAL INSULATION WITH IGNITION BARRIER WHERE EXPOSED TO POTENTIAL IGNITION, TYP. PROVIDE MINIMUM 2" THICK UNINTERRUPTED LAYER BETWEEN METAL STUD FURRING AND MASONRY WALL, FULL HEIGHT, TYP. PROVIDE AN ADDITIONAL 1" MINIMUM THICK LAYER WITHIN EACH STUD CAVITY, FULL HEIGHT, TYP. ADDITIONALLY, INSULATE ALL BACK TO BACK STUDS, BOX HEADERS, AND OTHER FRAMING THAT CREATES CONCEALED SPACES IN OTHERWISE INSULATED WALLS, TYP. WHERE WALL INTERSECTS FLOOR / ROOF DECK EXTEND INSULATION 18" MINIMUM OUT ONTO DECK SURFACE. FILL ALL ASSOCIATED VOIDS FOR A COMPLETE THERMALLY SEALED BARRIER, TYP.

KEYED NOTES

701.6	FULL DEPTH, R6.8 PER INCH MINIMUM LTTR RATING, 2# SPRAY APPLIED CLOSED CELL THERMAL INSULATION WITH IGNITION BARRIER WHERE EXPOSED TO POTENTIAL IGNITION, TYP. PROVIDE FULL DEPTH OF STUD, OR WHERE NO STUD OCCURS, PROVIDE 3" MINIMUM THICKNESS, TYP. WHERE WALL INTERSECTS FLOOR / ROOF DECK EXTEND INSULATION 18" MINIMUM OUT ONTO DECK SURFACE. FILL ALL ASSOCIATED VOIDS INCLUDING STUB BOX HEADERS, DOUBLE AND TRIPLE KING STUDS, ETC. FOR A COMPLETE THERMALLY SEALED BARRIER, TYP.
701.8	5/8" ROOF SUBSTRATE BOARD
702.0	ABOVE GRADE FLUID APPLIED AIR/MOISTURE BARRIER
702.1	ABOVE GRADE FLUID APPLIED AIR/VAPOR/MOISTURE BARRIER
702.2	REINFORCED POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 6", TYP. UNDERSLAB AT ALL SLAB ON GRADE LOCATIONS WITHIN THE BUILDING FOOTPRINT, TYP.
704.0	FM LISTED 60 MIL MINIMUM SINGLE-PLY MEMBRANE ROOFING SYSTEM WITH 1A-90 & SH CLASSIFICATIONS, ALL OTHERS TO SUBMIT FOR PRIOR APPROVAL. ALL VERTICAL MEMBRANE SURFACES AT STEPPED WALLS, CURBS, ETC. TO BE 12" MINIMUM FROM LOWER ROOF MEMBRANE TO TERMINATION BAR OR CURB, TYP. COORDINATE WITH ARCHITECT ANY CONDITIONS THAT VARY FROM THIS REQUIREMENT PRIOR TO INSTALLATION OF ROOFING SYSTEM, TYP.
706.3	20 GA. PRE-FINISHED CONT. METAL CAP WITH DOUBLE LOCK STANDING SEAMS PER SMACNA MANUAL, 6TH EDITION, FIGURE 3-3, ITEM 25, TYP.
707.0	22 GA. X 8" TALL X 1.5" DEEP PRE-FINISHED HORIZONTAL EXTERIOR METAL WALL PANEL SYSTEM - UNINSULATED
707.2	PRE-FINISHED ALUMINUM COMPOSITE METAL (ACM) WALL PANEL SYSTEM WITH WET JOINTS
707.3	22 GA. X 8" WIDE PRE-FINISHED METAL PANEL SOFFIT SYSTEM - UNINSULATED
802.0	ANODIZED ALUMINUM STOREFRONT/CURTAINWALL SYSTEM
900.0	SCHEDULED CEILING SYSTEM
901.0	2-1/2" METAL STUD FRAMING
901.1	3-5/8" METAL STUD FRAMING
901.2	6" METAL STUD FRAMING
901.3	3-5/8" METAL STUD KICKER @ 48"O.C. MINIMUM, TYP.
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
902.1	5/8" EXTERIOR GYPSUM SHEATHING
911.0	TECTUM PANELS, PAINTED
2300.0	MECHANICAL DUCT, PAINTED WHERE EXPOSED
2301.0	PRE-FINISHED MECHANICAL GRILLE/LOUVER
3100.0	ENGINEERED FILL
3101.0	4" MINIMUM FREE DRAINING GRAVEL BASE
3200.1	4" THICK CONCRETE SIDEWALK WITH SUBBASE



A1 WALL SECTION
SCALE: 1/2" = 1'-0"



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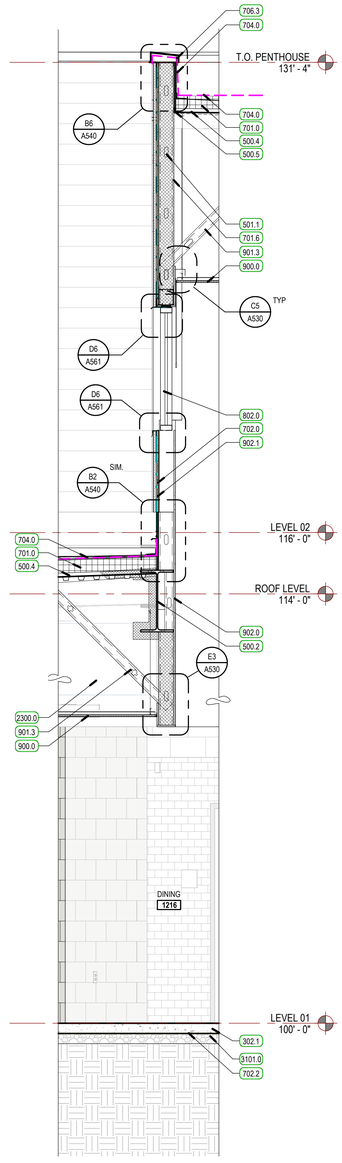

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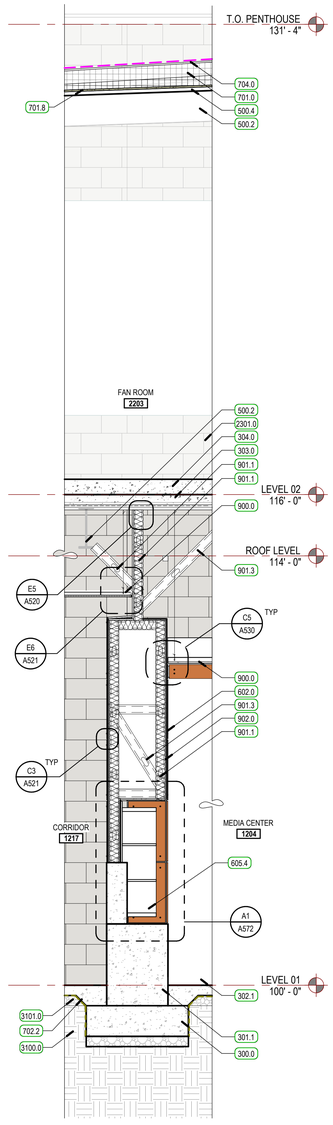

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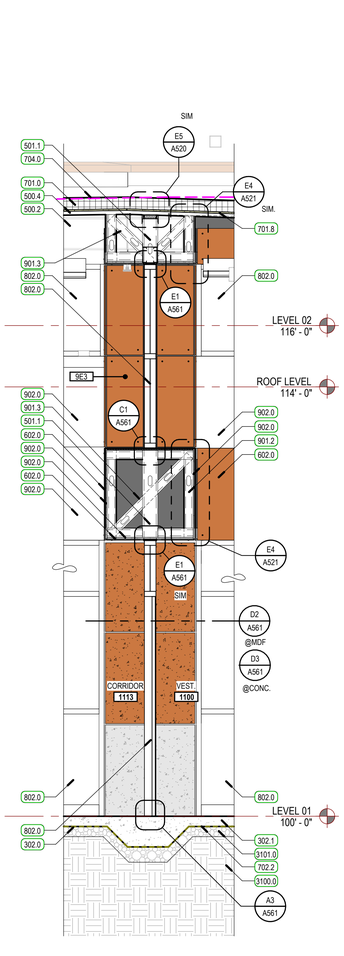

A5 WALL SECTION
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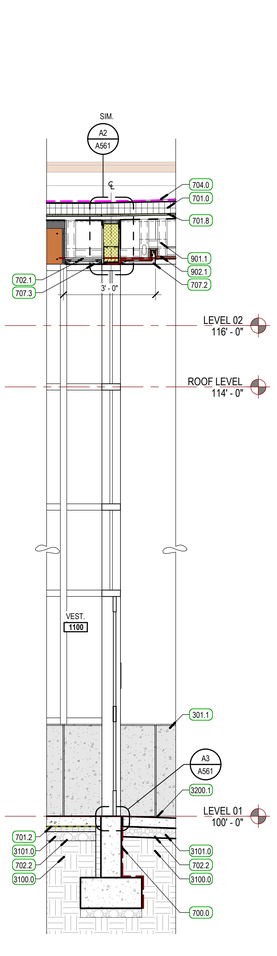

A6 WALL SECTION
SCALE: 1/2" = 1'-0"

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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

WALL SECTIONS

A354

7/23/2026 11:10:12 AM

LEGEND - FINISH - DETAILED

MARK	DESCRIPTION	MANUFACTURER	NAME	COLOR	COMMENTS
FLOOR					
F1	CARPET TILE - GENERAL	MOHAWK	FRACTAL FLUENCY COLLECTION: squareD	969 IRON	12" X 36" TILE SEE A409 FOR TYPICAL CARPET TILE LAYOUT
F2	CARPET - BROADLOOM	MOHAWK		CSBA	
F3	DENSIFIED CONCRETE - INTEGRAL COLOR	SEE SPECIFICATIONS	-	STANDARD GRAY	1,200 GRIT POLISHED CONCRETE
F3.1	DENSIFIED CONCRETE - INTEGRAL COLOR	SEE SPECIFICATIONS	-	STANDARD GRAY WITH DENSE ACCENT AGGREGATE	1,200 GRIT POLISHED CONCRETE
F4	ENTRY WALK-OFF CARPET	MOHAWK	QL311 STEP UP II TILE	989 OBSIDIAN	24" X 24" TILE
F5	2" PORCELAIN MOSAIC	DALTILE	KEYSTONES	D208 SUEDE GRAY SPECKLE	2X2 MOSAIC FLOOR TILE. USE GROUT M7.2
F6	SEALED CONCRETE	SEE SPECIFICATIONS	-	STANDARD GRAY	
F7	QUARRY TILE	DALTILE	QUARRY PAVERS	QQ83 STORM GRAY	6"X6" USE GROUT M7.3
F8	RUBBER SHEET FLOORING	MONDO	MASSETTO 3MM	HAZE S04, FIELD COLOR. CEMENT S05, ACCENT COLOR	SEE FINISH PLAN FOR PATTERN
BASE					
B1	RUBBER BASE	ROPPE	700 SERIES	150 DARK GRAY	CUT TO FIT WITH PRE-MOLDED CORNERS, COORDINATE LOCATION OF PRE-MOLDED CORNERS WITH ARCHITECT PRIOR TO PLACEMENT. SEAMS AT INSIDE CORNERS ONLY.
B2	TILE COVE BASE TRIM	SCHLUTER	DILEX - AHK / AHKA	SATIN ANODIZED ALUMINUM	USE AHK FOR WALL TILE TO FLOOR TILE. USE AHKA FOR WALL TILE TO POLISHED CONCRETE FLOOR. FILL GAP BEHIND TRIM W/ MORTAR.
B3	NO BASE, CAULK AT WALL/FLOOR JOINT	-	-	-	CAULK BETWEEN FLOOR AND WALL
B4	QUARRY TILE COVED BASE	MATCH ADJACENT WALL TILE	-	MATCH ADJACENT QUARRY TILE	PROVIDE OUTSIDE AND INSIDE COVED CORNERS
PAINT					
P1	GENERAL PAINT	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 7006 EXTRA WHITE	GENERAL WALLS AND CEILINGS
P2.3	ACCENT PAINT 3	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 9013 OLDEN AMBER (YELLOW)	AREA 3 ACCENT PAINT
P2.4	ACCENT PAINT 4	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 6642 RHUMBA ORANGE	AREAS 1, 2, AND 4 ACCENT PAINT
P2.5	ACCENT PAINT 5	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 6711 PARAKEET (GREEN)	AREA 5 ACCENT PAINT
P2.6	ACCENT PAINT 6	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 6522 SPORTY BLUE (BLUE)	AREA 6 ACCENT PAINT
P3	ACCENT PAINT 7 - GRAY PAINT	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 7019 GAUNTLET GRAY	GRAY ACCENT PAINT- USE AT ALL DOOR FRAMES, EXTERIOR HM DOORS, AND COMMON AREA DOORS, COLUMNS, REVEALS AT ACCENT WALLS
P4	ACCENT PAINT 8 - LIGHT GRAY PAINT	SHERWIN WILLIAMS	SEE SPECIFICATIONS	SW 0055 LIGHT FRENCH GRAY	AT STEM LABS AND ACCENT WALLS
P5	BLACK PAINT		SEE SPECIFICATIONS		USE BEHIND AND ABOVE MDF PANELS AT THE PORTALS
SURFACE					
S1	SOLID SURFACE	CORIAN	SOLID SURFACE	ANTARCTICA	ADMIN, AND MEDIA CENTER COUNTERTOPS
S2	SOLID SURFACE	CORIAN	SOLID SURFACE	DEEP MINK (MEDIUM WARM GRAY)	ALL WINDOW SILLS, & COUNTERTOPS WITH SINKS IN CLASSROOM COMMONS AREAS
S3	LAMINATE - GENERAL FACES	FORMICA	SCULPTED	927-SP FOLKSTONE. SCULPTED FINISH	FACE AT CLASSROOM CABINETS- RUN PATTERN HORIZONTALLY
S4	LAMINATE - GENERAL TOPS	FORMICA	STANDARD LAMINATE	CITADEL WARP 5882-58	TOPS AT CLASSROOM CABINETS, MEDIA CENTER BOOKSHELVES
S5	LAMINATE - ACCENT FACES	WILSONART	PREMIUM LAMINATE	COSMIC STRANDZ 4941K-18, LINEARITY FINISH	FACE AT ADMIN AND MEDIA CENTER CABINETS- RUN PATTERN HORIZONATALLY
S6	MAGNETIC DRY ELRASE WALLCOVERING	KOROSEAL	WALLTALKERS	M248 MAG-RITE	
S7	LAMINATE - MAGNETIC MARKERBOARD	FORMICA	MAGNETIC MARKERBOARD	M3091-90 CRYSTAL WHITE MAGNETIC	AT TALL CABINETS IN CLASSROOMS, WHITE BOARD SURFACE IN CONF. 1201 & OFFICE 1206 AND MOBILE CABINET BACKS IN COLLABORATION
S8	PVC EDGEBAND	MATCH ADJACENT PLASTIC LAMINATE	-	MATCH ADJACENT PLASTIC LAMINATE	FROM MANUFACTURERS FULL RANGE OF STANDARD COLORS
S9	TOILET PARTITIONS	FORMICA	3/4" SOLID PHENOLIC	927-SP FOLKSTONE, SCULPTED FINISH	
S10	BUTCHERBLOCK COUNTERTOP	SEE SPECIFICATIONS		NATURAL	AT WORKBENCHES
S11.1	ACOUSTICAL PANEL FABRIC- WHITE	STINSON	APERTURE	APT 60 ALPINE	PROVIDE ON 50% OF ACOUSTICAL PANELS IN DINING 1216- SEE ELEVATION
S11.2	ACOUSTICAL PANEL FABRIC- GRAY	STINSON	APERTURE	APT 68 SEA SALT	PROVIDE ON 50% OF ACOUSTICAL PANELS IN DINING 1216- SEE ELEVATION
S12.3	LAMINATE - MOBILE CABINET INTERIOR BACK - ACCENT 3	NEVAMAR	HIGH-PRESSURE LAMINATE - TEXTURED	SUNRAY	ACCENT AT AREA 3 MOBILE CABINET SHELF INTERIOR BACKING AT COLLABORATION
S12.4	LAMINATE - MOBILE CABINET INTERIOR BACK - ACCENT 4	NEVAMAR	HIGH-PRESSURE LAMINATE - TEXTURED	SPICY FLAVORS	ACCENT AT AREA 4 MOBILE CABINET SHELF INTERIOR BACKING AT COLLABORATION
S12.5	LAMINATE - MOBILE CABINET INTERIOR BACK - ACCENT 5	NEVAMAR	HIGH-PRESSURE LAMINATE - TEXTURED	LIMEADE	ACCENT AT AREA 5 MOBILE CABINET SHELF INTERIOR BACKING AT COLLABORATION
S12.6	LAMINATE - MOBILE CABINET INTERIOR BACK - ACCENT 6	FORMICA	HIGH-PRESSURE LAMINATE - TEXTURED	DENIM	ACCENT AT AREA 6 MOBILE CABINET SHELF INTERIOR BACKING AT COLLABORATION
S13	FABRIC PANELS AND UPHOLSTERY	MOMENTUM	AUTEX ACOUSTICS: VERTIFACE, VELOUR	CSBA	AT READING NOOK SITTING SURFACES AND WALL
WALL					
W1	PRIMED & PAINTED - GENERAL	-	-	REFERENCE P1 ABOVE	EPOXY PAINT AT ALL WET AREAS
W2	PRIMED & PAINTED - ACCENT	-	-	REFERENCE P2.3 - P2.6 ABOVE	EPOXY PAINT AT ALL WET AREAS
W3	TACKABLE WALL SURFACE WITH GENERAL PAINT ABOVE	KOROSEAL	DESERT SAND WITH TEFLON	GULL 5851-15 (LIGHT GRAY)	TO 7'-0", PAINTED P1 ABOVE
W4	TACKABLE WALL SURFACE WITH ACCENT PAINT ABOVE	KOROSEAL	DESERT SAND WITH TEFLON	GULL 5851-15 (LIGHT GRAY)	TO 7'-0", PAINTED ACCENT COLOR BY AREA ABOVE
W5	PORCELAIN WALL TILE - GENERAL	DALTILE	FABRIQUE	P690 GRIS LINEN, UNPOLISHED - MEDIUM GRAY W/ STRIATIONS	12"X24" RUNNING BOND, FROM 4" A.F.F. TO 4'-4", WITH 1" TACKSTRIP ABOVE, PAINTED P1 ABOVE U.N.O. USE GROUT M7.1
W5.1	PORCELAIN WALL TILE - TO 7'-0"	DALTILE	FABRIQUE	P690 GRIS LINEN, UNPOLISHED - MEDIUM GRAY W/ STRIATIONS	TILE TO 7'-0" A.F.F. WITH CUSTOM CUT BAND OF 8"X24" TILE BETWEEN 5'-4" AND 6'-0"- SEE ELEVATION. USE GROUT M7.1
W6	PORCELAIN WALL TILE - ACCENT	DALTILE	PLAZA NOVA	PN94 WHITE IMAGE	12"X12", FULL HEIGHT. USE GROUT M7.1
W7	MATTE ARTIC WHITE	DALTILE	WALL TILE	0799 MT PEARL WHITE DT (WHITE - MATTE FINISH)	3"X6" RUNNING BOND. USE GROUT M7.2
W8	ACCENT WALL TILE PATTERN	DALTILE	WALL TILE	REFERENCE W7, W8.1 AND W8.2	SEE DETAIL B4/A401 FOR TILE PATTERN. USE GROUT M7.2
W8.1	MATTE CHALKBOARD	DALTILE	WALL TILE	QF08 GRAPHITE (MEDIUM GRAY - MATTE FINISH)	3"X6" RUNNING BOND. USE GROUT M7.2
W8.2	CERAMIC WALL TILE- ACCENT	DALTILE	WALL TILE	X714 MT DESERT GRAY (LIGHT GRAY - MATTE FINISH)	3"X6" RUNNING BOND. USE GROUT M7.2
W8.3	CERAMIC WALL TILE- ACCENT	DALTILE	WALL TILE	QF71 MARMALADE (COPPER - MATTE FINISH)	3"X6" RUNNING BOND. USE GROUT M7.2
W9	MASONRY - SEALED	SUNROC	HONED	IVORY	8X8X16 RUNNING BOND,CONCAVE JOINTS
W9.2	MASONRY -SEALED, ACCENT COLOR	SUNROC	FEATURE WALL (SHOT BLASTED & SMOOTH FACE)	PEWTER/NATURAL	8X8X16 RUNNING BOND,CONCAVE JOINTS
W10	CONCRETE WALL/ MDF PANELS - PAINTED	-	-	REFERENCE P2.3- P2.7 ABOVE	4' CONCRETE WALL, PAINTED ACCENT COLOR BY AREA, W/ 2'X2' MDF PANEL SYSTEM ABOVE PAINTED ACCENT COLOR BY AREA. NO BASE AT THESE WALLS
W11	CONCRETE WALL	-	-	STANDARD GRAY	CONCRETE WALL. NO BASE AT THESE WALLS
W12	VINYL SUPER GRAPHIC	-	SEE SIGNAGE SHEETS	SEE SIGNAGE SHEETS	
W13	CONCRETE WALL - PAINTED P4	-	-	REFERENCE P4 ABOVE	NO BASE AT THESE WALLS
W14	CERAMIC WALL TILE - 4" X 4"	DALTILE	WALL TILE	0799 MT PEARL WHITE DT (WHITE - MATTE FINISH)	4"X4" SIZE, AT MOP SINKS, TO HEIGHT SHOWN ON ELEVATION. USE GROUT M7.2
W15	PRIMED AND PAINTED- GRAY	-	-	REFERENCE P4 ABOVE	EPOXY PAINT AT ALL WET AREAS
DOORS					
D1	WOOD DOOR PANELS	DWI ENTERPRISES	VENEER	NATURAL CHERRY COLOR- MATCH ARCHITECT'S FINISH SAMPLE	MATCH ARCHITECT'S SAMPLE
D2.1	HM DOOR PANELS	-	-	SEE COLOR P3 ABOVE	
D2.2	HM DOOR PANELS - ACCENT	-	-	REFERENCE P2.3 - P2.6 ABOVE	HM DOOR COLOR TO MATCH ACCENT COLOR AT EACH AREA U.N.O. - REFER TO DOOR SCHEDULE ON SHEET A600 FOR COLORS FOR EACH SPECIFIC DOOR
D3.1	HM DOOR FRAMES	-	-	SEE COLOR P3 ABOVE	
D3.2	HM DOOR FRAMES - ACCENT	-	-	REFERENCE P2.3 - P2.6 ABOVE	HM FRAME COLOR TO MATCH ACCENT COLOR AT EACH AREA U.N.O. - REFER TO DOOR SCHEDULE ON SHEET A600 FOR COLORS FOR EACH SPECIFIC DOOR
D4	ALUMINUM STOREFRONT	-	-	SILVER METALLIC ANODIZED ALUMINUM	
D5	INTERIOR OVERHEAD SECTIONAL	-	-	SILVER METALLIC ANODIZED ALUMINUM	
D6	INTERIOR OVERHEAD COILING	-	-	SEE COLOR P3 ABOVE	PRE-FINISHED ALUMINUM COILING DOORS SHALL NOT BE PAINTED. ONLY PAINT STEEL COILING DOORS.
D7	EXTERIOR OVERHEAD COILING	-	-	SEE COLOR P3 ABOVE	
EXTERIOR					
EM1	EXTERIOR MASONRY	SUNROC	SPLIT FACE	IVORY	
EM2	EXTERIOR MASONRY	SUNROC	FEATURE WALL (SPLIT & SMOOTH FACE)	PEWTER/NATURAL	SEE EXTERIOR ELEVATIONS FOR LAYOUT
EM3	EXTERIOR MASONRY	SUNROC	SMOOTH	PEWTER/NATURAL	
MT1	ACM PANEL SYSTEM	ALUCOBOND	SMOOTH	CHIPOTLE - CUSTOM COLOR TO MATCH ARCHITECTS SAMPLE	PROVIDE COLOR SAMPLES MATCHING COLOR P2.4 FOR REVIEW AND APPROVAL
MT2	METAL WALL PANEL, FASCIA & SOFFIT SYSTEM	MBCI	SIGNATURE 300	CHAMPAGNE METALLIC	
MT3	METAL FLASHING / COPING	MBCI	SIGNATURE 300		@ 725 BROWN CMU
MT4	METAL FLASHING / COPING	MBCI	SIGNATURE 300		@ GRANITE CMU
MT5	METAL FLASHING / COPING	MBCI	SIGNATURE 300	CUSTOM COLOR TO MATCH COLOR P2.2	@ ACM PANELS
MT6	METAL FLASHING / COPING	MBCI	SIGNATURE 300		@ METAL WALL PANEL & FASCIA
SIGNAGE					
SN1	ROOM SIGNAGE FIELD COLOR				
SN2.3	ROOM SIGNAGE ACCENT COLOR 3			YELLOW	MATCH P2.3
SN2.4	ROOM SIGNAGE ACCENT COLOR 4			ORANGE	MATCH P2.4
SN2.5	ROOM SIGANGE ACCENT COLOR 5			GREEN	MATCH P2.5
SN2.6	ROOM SIGNAGE ACCENT COLOR 6			BLUE	MATCH P2.6
MISC					
M1	HORN STROBES	-	-	WHITE @ INTERIOR / RED AT EXTERIOR	
M2	ELECTRICAL DEVICES	-	-	GRAY	
M3	ELECTRICAL COVER PLATES	-	-	STAINLESS STEEL	
M4	SPEAKERS	-	-	PAINT TO MATCH ADJACENT FINISH	COORDINATE WITH ARCHITECT FOR FINAL COLOR SELECTION
M5	LOCKERS	-	-	TAN	SELECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS
M6.1	MECHANICAL WALL DIFFUSER 1	-	AT PORCELAIN WALL TILE	CUSTOM PRE-FINISHED COLOR BY DIFFUSER MANUFACTURER TO MATCH ARCHITECTS COLOR SAMPLE	PROVIDE PHYSICAL COLOR SAMPLES FOR REVIEW
M6.2	MECHANICAL WALL DIFFUSER 2	-	AT CMU WALL	CUSTOM PRE-FINISHED COLOR BY DIFFUSER MANUFACTURER TO MATCH ARCHITECTS COLOR SAMPLE	PROVIDE PHYSICAL COLOR SAMPLES FOR REVIEW
M6.3	MECHANICAL WALL DIFFUSER 3	-	AT WHITE PAINTED WALL	CUSTOM PRE-FINISHED COLOR BY DIFFUSER MANUFACTURER TO MATCH ARCHITECTS COLOR SAMPLE	PROVIDE PHYSICAL COLOR SAMPLES FOR REVIEW
M6.4	MECHANICAL WALL DIFFUSER 4	-	AT ORANGE PAINTED WALL	CUSTOM PRE-FINISHED COLOR BY DIFFUSER MANUFACTURER TO MATCH ARCHITECTS COLOR SAMPLE	
M7.1	GROUT AT WALL TILE	MAPEI	SEE SPECIFICATIONS	#11 SAHARA BEIGE	USE AT WALL TILE W5, W5.1, AND W6
M7.2	GROUT AT RESTROOM TILE	MAPEI	SEE SPECIFICATIONS	#107 IRON	USE AT W7, W8, W14, AND F5
M7.3	GROUT AT QUARRY TILE	MAPEI	SEE SPECIFICATIONS	#09 GRAY	USE AT F7

SCHEDULE - FINISH

NUMBER	ROOM NAME	FLOOR	BASE	WALL FINISHES			
				TOP	RIGHT	BOTTOM	LEFT
1100	VEST.	F4	B1	--	W13	--	W9
1101	RECEPTION	F1	B1	W5	W10	W5	--
1102	CONF.	F1	B1	W1	W1	W1	W2
1102	CONF.	F1	B1	W1	W2	W1	W1
1103	PRINCIPAL	F1	B1	W1	W1	W2	W1
1104	VP	F1	B1	W1	W1	W2	W1
1105	WORK	F1	B1	W1	W1	W1	W1
1106	CORRIDOR	F1	B1	W5	W5	W5	W10, W5
1107	WELLNESS	F1	B1	W1	W1	W1	W1
1108	MECH.	F6	B3	W1	W1	W1	W1
1109	TR	F5	B2	W8	W7	W7	W7
1110	TR	F5	B2	W8	W7	W7	W7
1111	TR	F5	B2	W7	W7	W7	W8
1111	CORRIDOR	F3	B3	--	W9	--	W10
1112	HEALTH	F1	B1	W1	W1	W1	W1
1113	CORRIDOR	F3	B3	-	W9, W5	-	W9,W12
1114	GYMNASIUM	F8	B3	W9,W9.2	W9, W1	W9, W1	W9, W1
1115	KITCHEN	F7	B4	W7	W7	W7	W7
1116	DISH.	F7	B4	W7	W7	W7	W7
1117	COOLER	F6	B3	--	--	--	--
1118	FREEZER	F6	B3	--	--	--	--
1119	RECEIVING	F6	B1	W1	W1	W1	W1
1120	CORRIDOR	F7	B4	W7	W7	W9	W7
1121	BOILER	F6	B3	W1	W1	W1	W1
1122	OUTDOOR STORAGE	F6	B3	W9	W9	W9	W9
1123	CHILLER	F6	B3	W1	W1	W1	W1
1124	DRY STOR	F7	B4	W7	W7&W9	W9	W7
1125	LAUND.	F7	B4	W1	W7	W7	W1
1126	OFF.	F1	B1	W1	W1	W1	W1
1126	LOCKER	F7	B4	W7	W7	W7	W7
1127	TR	F5	B2	W7	W8	W7	W7
1128	ELEC.	F6	B3	W1	W1	W1	W1
1129	CORRIDOR	F8	B3	--	W9	W6	W9
1130	CHAIR STOR.	F8	B3	W1	W1	W1	W1
1131	MUSIC CLASSROOM	F1	B1	W9	W9	W1	W9
1132	PE STOR.	F8	B3	W9	W9	W9	W9
1132	QUIET.						
1133	RAMP	F8	B3	W9	W6	W6	W9
1134	READING NOOK	S13	B1	P2.5	P2.5	P2.5	S13
1200	VEST.	F4	B1	--	W9	--	W9
1201	CONF	F1	B1	W9	W10	W10	W10
1203	COUNSELOR	F1	B1	W1	W1	W9	W1
1204	MEDIA CENTER	F1	B1	W1	W1	W1,W9	W1
1205	WRKRM	F1	B1	W1	W1	W1	--
1206	CONF	F1	B1	W9	W10	W10	W10
1207	OFFICE	F1	B1	W1	W1	W9	W1
1208	BOYS	F5	B2	W7	W7	W8.2	W8
1209	CHASE	F6	B3	W1	W1	W1	W1
1210	GIRLS	F5	B2	W7	W8	W8.2	W7
1211	MDF	F6	B3	W1	W9	W9	W1
1212	CORRIDOR	F3	B1	W9.2	--	W9	--
1214	VEST.	F4	B1	--	W9	--	W9
1215	FACULTY LOUNGE	F3	B1	W1	W1	W9	W9
1216	DINING	F3.1	B1	--	W9	W9, W9.1	W9,W5.1 & W6
1217	CORRIDOR	F3	B1	W9, W1	-	-	-
1218	STOR.	F6	B1	W1	W1	W1	W1
1219	STAIR	F6	B1	W9	W9	W9	W1
1221	CORRIDOR	F3	B1	W9.2	--	W9	--
1222	IDF	F6	B3	W1	W1	W9	W9
1223	BOYS	F5	B2	W7	W7	W8.2	W8
1224	CHASE	F6	B3	W1	W1	W1	W1
1225	GIRLS	F5	B2	W7	W8	W8.2	W7
1226	VEST.	F4	B1	--	W9	--	W9.2
1300	VEST.	F4	B1	W9	--	W9 & W13	--
1301	CORRIDOR	F1	B1	W5 & W6	--	W5	--
1302	CLASSROOM	F1	B1	W1	W4	W3	W4
1303	CLASSROOM	F1	B1	W1	W4	W3	W4
1304	CLASSROOM	F1	B1	W4	W3	W4	W1
1305	CLASSROOM	F1	B1	W4	W3	W4	W1
1306	FLEX CLASSROOM	F1	B1	W10	W5	W5	W5 & W6
1307	CLASSROOM	F1	B1	W4	W3	W4	W1
1308	FUNCTIONAL SKILLS	F1	B1	W4	W3	W4	W1
1309	QUIET/SENSORY	F5	B2	W7	W7	W7	W7
1310	TR	F5	B2	W7	W7	W7	W8
1311	CORRIDOR	F3	B1	W5	--	W5	--
1312	CORRIDOR	F3.1	B1	--	W5	--	W5 & W10
1313	CLASSROOM	F1	B1	W4	W1	W4	W3
1314	OT/PT	F6	B1	W1	W1	W1	W1
1315	SLP	F1	B1	W1	W1	W1	W1
1316	PSYCH	F1	B1	W1	W10	W10,W1	W1
1317	CLASSROOM	F1	B1	W4	W1	W4	W3
1318	CLASSROOM	F1	B1	W4	W1	W4	W3
1400	VEST.	F4	B1	W9 & W13	--	W9	--
1401	CORRIDOR	F1	B1	W5	--	W5 & W6	--
1402	CLASSROOM	F1	B1	W3	W4	W1	W4
1403	CLASSROOM	F1	B1	W3	W4	W1	W4
1404	CLASSROOM	F1	B1	W4	W3	W4	W1
1405	CLASSROOM	F1	B1	W4	W3	W4	W1
1406	FLEX CLASSROOM	F1	B1	W5	W5	W10	W5 & W6
1407	CLASSROOM	F1	B1	W4	W3	W4	W1
1408	WORKROOM	F1	B1	W1	W1	W1	W1
1409	STOR.	F6	B1	W1	W1	W1	W1
1410	TR	F5	B2	W8	W7	W7	W7
1411	TR	F5	B2	W7	W7	W7	W8
1412	CORRIDOR	F3.1	B1	--	W5	--	W5 & W10
1413	CLASSROOM	F1	B1	W4	W1	W4	W3
1414	SLP	F6	B1	W1	W1	W1	W1
1415	SLP	F1	B1	W1	W1	W1	W1
1416	COACH	F1	B1	W10	W10	W1	W1
1417	CLASSROOM	F1	B1	W4	W1	W4	W3
1418	CLASSROOM	F1	B1	W4	W1	W4	W3
1500	VEST.	F4	B1	W9	--	W9 & W13	--
1501	CORRIDOR	F1	B1	W5 & W6	--	W5	--
1502	KINDERGARTEN	F1	B1	W1	W4	W3	W4
1503	KINDERGARTEN	F1	B1	W1	W4	W3	W4
1504	KINDERGARTEN	F1	B1	W4	W1	W4	W3
1505	KINDERGARTEN	F1	B1	W4	W1	W4	W3
1506	FLEX CLASSROOM	F1	B1	W10	W5 & W6	W5	W5
1507	KINDERGARTEN	F1	B1	W4	W1	W4	W3
1508	PRE-SCHOOL	F1	B1	W4	W1	W4	W3
1508A	TOILET	B5	B2	W7	W7	W7	W8
1509	QUIET/SENSORY	F5	B2	W7	W7	W7	W7
1510	TECH	F6	B3	W1	W1	W1	W1
1511	CORRIDOR	F3	B1	W5	--	W5	--
1512	CORRIDOR	F3.1	B1	--	W5 & W10	--	W5
1513	GROUP	F1	B1	W1	W1	W10	W10
1514	STEM	F3	B1	W15	W2	W2	W15
1515	COACH	F1	B1	W1	W1	W1	W1
1516	CLASSROOM	F1	B1	W4	W3	W4	W1
1517	CLASSROOM	F1	B1	W4	W3	W4	W1
1600	VEST.	F4	B1	W9 & W11	--	W9	--
1601	CORRIDOR	F1	B1	W5	--	W5 & W6	--
1602	CLASSROOM	F1	B1	W3	W4	W1	W4
1603	CLASSROOM	F1	B1	W3	W4	W1	W4

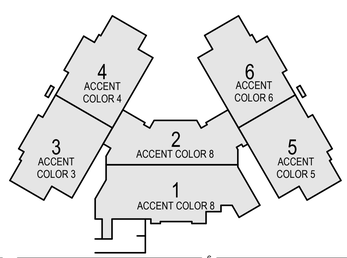
SCHEDULE - FINISH

NUMBER	ROOM NAME	FLOOR	BASE	WALL FINISHES			
				TOP	RIGHT	BOTTOM	LEFT
1604	CLASSROOM	F1	B1	W4	W1	W4	W3
1605	CLASSROOM	F1	B1	W4	W1	W4	W3
1606	FLEX CLASSROOM	F1	B1	W5	W5 & W6	W10	W5
1607	CLASSROOM	F1	B1	W4	W1	W4	W3
1608	WORKROOM	F1	B1	W1	W1	W1	W1
1609	STOR.	F6	B1	W1	W1	W1	W1
1610	TR	F5	B2	W8	W7	W7	W7
1611	TR	F5	B2	W7	W8	W7	W7
1612	CORRIDOR	F3.1	B1	--	W5 & W10	--	W5
1613	ART	F3	B1	W2	W2	W15	W15
1614	COACH	F6	B1	W1	W1	W1	W1
1615	ITIN.OFFICE						
1616	GROUP	F1	B1	W10	W1	W1	W10
1617	CLASSROOM	F1	B1	W4	W3	W4	W1
1618	CLASSROOM	F1	B1	W4	W3	W4	W1
1619	ITIN.OFFICE	F1	B1	W1	W1	W1	W1
2201	FAN ROOM	F6	B3	W1	W1	W1	W1
2202	HALL	F6	B3	W1	W1	W1	W1
2203	FAN ROOM	F6	B3	W1	W1	W1	W1
2204	HALL	F6	B3	W1	W1	W1	W1
2205	FAN ROOM	F6	B3	W1	W1	W1	W1
2206	LIGHT WELL	--	--	W1	W1	W2	W1
2207	LIGHT WELL	--	--	W1	W12	W1	W1
2208	LIGHT WELL	--	--	W1	W1	W2	W12

GENERAL FINISH NOTES

1. COUNTERTOPS TO BE S4 AND CABINET FACE TO BE S3 U.O.N. SEE CALLOUTS ON ANNOTATED PLANS FOR EXCEPTIONS
2. GYP. BOARD WALLS AND CEILINGS TO BE PAINTED P1 U.O.N.
3. ALL EXPOSED COLUMNS AND EXPOSED STRUCTURAL STEEL TO BE PAINTED P3, U.O.N.
4. SEE SHEET A505 FOR FLOOR TRANSITION DETAILS.
5. SEE A408 FOR TYPICAL CARPET PATTERN AT CLASSROOM COMMONS AREAS.
6. ALL WINDOW SILLS TO BE S2.
7. PROVIDE 1" TACKSTRIP ABOVE TILE AT ALL LOCATIONS WHERE TILE WAINSCOT W5 OCCURS.
8. AREA ACCENT COLORS, U.O.N. TO BE:
   AREA 1: ORANGE
   AREA 2: ORANGE
   AREA 3: YELLOW
   AREA 4: ORANGE
   AREA 5: GREEN
   AREA 6: BLUE

KEY PLAN



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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

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CONSTRUCTION DOCUMENTS

FINISH LEGEND + SCHEDULE

A400

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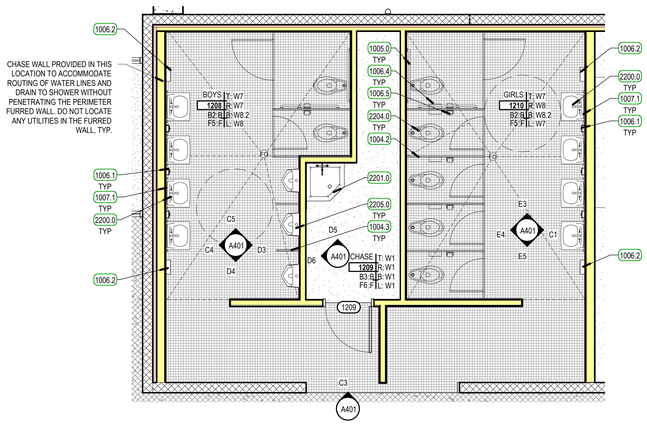
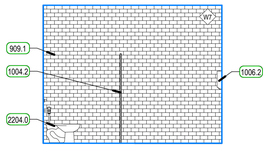
KEYED NOTES

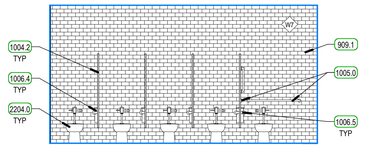
800.0	SCHEDULED DOOR AND FRAME
900.1	SCHEDULED BASE
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
909.1	SCHEDULED GLAZED CERAMIC WALL TILE
1001.0	SIGNAGE, SEE SCHEDULE
1004.2	3/4" THICK SOLID PHENOLIC TOILET PARTITION
1004.3	3/4" THICK SOLID PHENOLIC URINAL SCREEN PARTITION
1005.0	STAINLESS STEEL GRAB BAR
1006.1	SOAP DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1006.2	PAPER TOWEL DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1006.4	SANITARY NAPKINS DISPOSAL, CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
1006.5	TOILET PAPER DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1007.1	24" X 36" FRAMED MIRROR WITH CONCEALED MOUNTING CLIPS, TYP.
2200.0	SINK + FAUCET
2201.0	MOP SINK + FAUCET
2204.0	TOILET, FLOOR MOUNT
2205.0	URINAL
2206.0	FLOOR DRAIN



D1 TYP. BOYS AND GIRLS BATHROOMS
SCALE: 1/4" = 1'-0"



E3 GIRLS TOILET
SCALE: 1/4" = 1'-0"



E4 GIRLS TOILET
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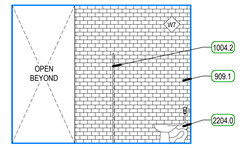
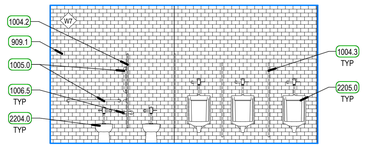


E5 GIRLS TOILET
SCALE: 1/4" = 1'-0"



D3 BOYS TOILET
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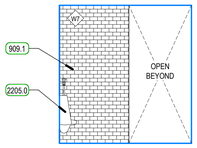
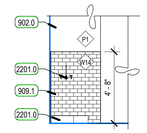
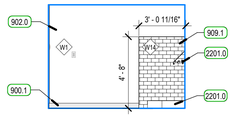


D4 BOYS TOILET
SCALE: 1/4" = 1'-0"

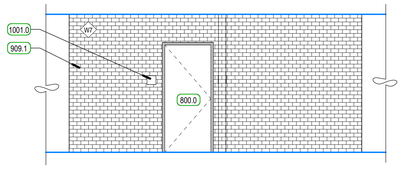


D5 MOP SINK
SCALE: 1/4" = 1'-0"

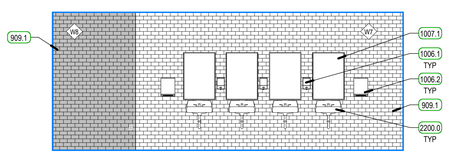


D6 MOP SINK
SCALE: 1/4" = 1'-0"

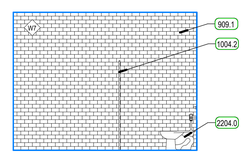
C1 GIRLS TOILET
SCALE: 1/4" = 1'-0"



C3 BOY & GIRL RESTROOM ENTRANCE
SCALE: 1/4" = 1'-0"



C4 BOYS TOILET
SCALE: 1/4" = 1'-0"



C5 BOYS TOILET
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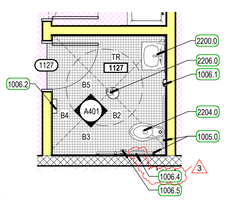
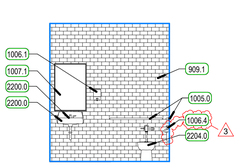
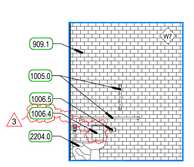


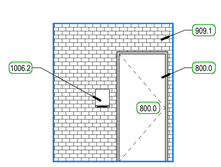
B1 STAFF TOILET - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



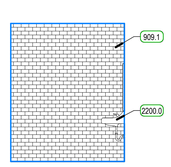
B2 STAFF TOILET
SCALE: 1/4" = 1'-0"



B3 STAFF TOILET
SCALE: 1/4" = 1'-0"



B4 STAFF TOILET
SCALE: 1/4" = 1'-0"



B5 STAFF TOILET
SCALE: 1/4" = 1'-0"

TILE LEGEND
SEE FINISH LEGEND A400 FOR ADDITIONAL INFORMATION

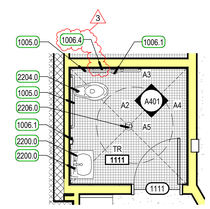
0799 MATTE PEARL WHITE (W7) (QTY. VARIES)

X114 DESERT GRAY (W8.2)

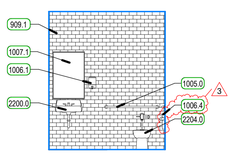
QF08 GRAPHITE (W8.1)

SCHEDULED BASE: X114 DESERT GRAY

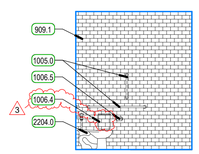
BEGIN TILE PATTERN AT CORNER NEAREST TO ENTRANCE



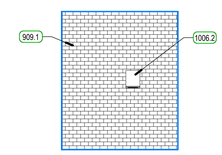
A1 ADMIN TOILET - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



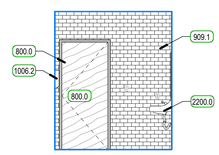
A2 TOILET - ADMIN
SCALE: 1/4" = 1'-0"



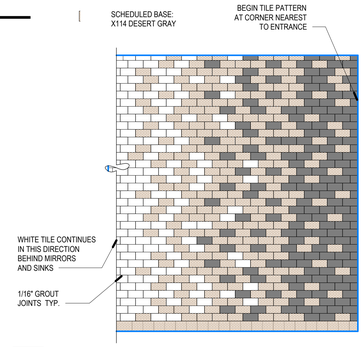
A3 TOILET - ADMIN
SCALE: 1/4" = 1'-0"



A4 TOILET - ADMIN
SCALE: 1/4" = 1'-0"



A5 TOILET - ADMIN
SCALE: 1/4" = 1'-0"



A6 ELEV - INT - TYP. TOILET WALL TILE PATTERN (W8)
SCALE: 1/2" = 1'-0"

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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

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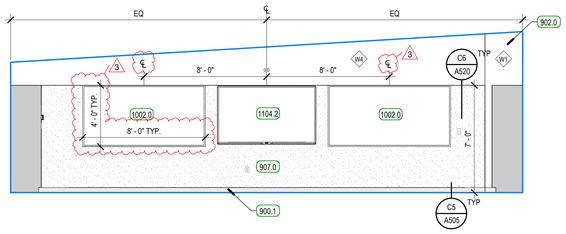
CONSTRUCTION DOCUMENTS

ENLARGED TOILET PLANS + ELEVATIONS

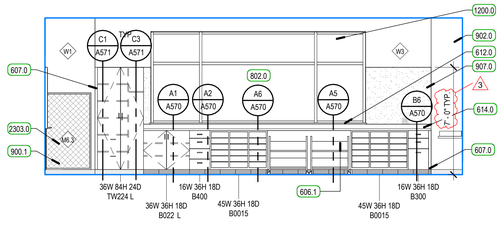
A401

7/23/2026 11:10:15 AM



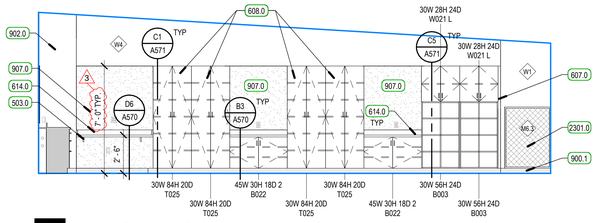
E1 ELEVATION - TYPICAL CLASSROOM

SCALE: 1/4" = 1'-0"



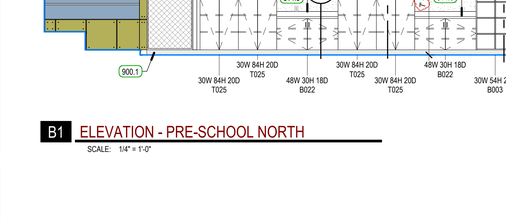
E2 ELEVATION - TYPICAL CLASSROOM

SCALE: 1/4" = 1'-0"



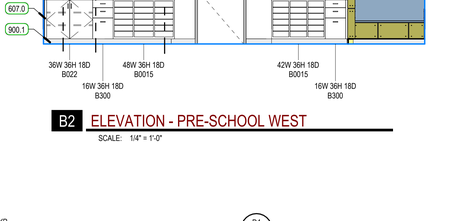
E4 ELEVATION - TYPICAL CLASSROOM

SCALE: 1/4" = 1'-0"



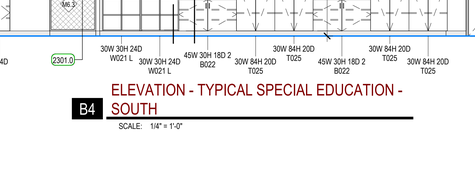
D1 ELEVATION - TYPICAL CLASSROOM

SCALE: 1/4" = 1'-0"



D2 ELEVATION - TYPICAL STEM LAB

SCALE: 1/4" = 1'-0"



D4 ELEVATION - TYPICAL STEM LAB

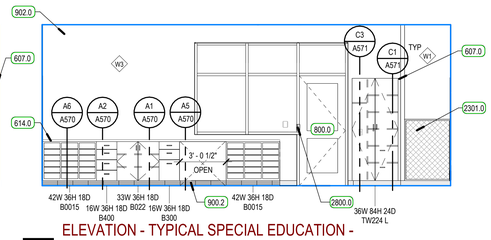
SCALE: 1/4" = 1'-0"

C1 ELEVATION -TYPICAL STEM LAB

SCALE: 1/4" = 1'-0"

C2 ELEVATION - TYPICAL STEM LAB

SCALE: 1/4" = 1'-0"



C4 ELEVATION - TYPICAL SPECIAL EDUCATION - WEST

SCALE: 1/4" = 1'-0"

B1 ELEVATION - PRE-SCHOOL NORTH

SCALE: 1/4" = 1'-0"

B2 ELEVATION - PRE-SCHOOL WEST

SCALE: 1/4" = 1'-0"

B4 ELEVATION - TYPICAL SPECIAL EDUCATION - SOUTH

SCALE: 1/4" = 1'-0"

A1 OFFICE 1207 - WEST ELEVATION

SCALE: 1/4" = 1'-0"

A2 OFFICE 1207 - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

A3 ELEVATION - FUNCTIONAL SKILLS - WEST

SCALE: 1/4" = 1'-0"

A4 COUNSELOR 1203 - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

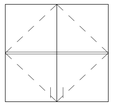
A5 COUNSELOR OFFICE 1203 - EAST ELEVATION

SCALE: 1/4" = 1'-0"

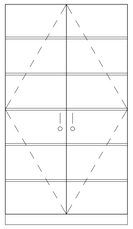
ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *



W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- ACCESSORY (IF NOTED)
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

MILLWORK NOTES

1. MILLWORK DIMENSION NUMBERS ARE WIDTH X HEIGHT X DEPTH.
2. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP
3. CABINET DEPTHS ARE MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
4. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
5. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANS OR ELEVATIONS.
6. ALL COUNTERTOPS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
7. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
8. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
9. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, COAT RACKS, PENCIL SHARPENER BLOCKS, T.V. BRACKETS AND PROJECTION SCREENS AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITION.
10. ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE UNLESS NOTED OTHERWISE
11. REFER TO SHEET A400 FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
12. PROVIDE LOCKS ON DOORS AND DRAWERS WHERE INDICATED ON ELEVATIONS
13. UPPER CABINETS HUNG AT 7'-0" TO TOP OF CABINET U.O.N.
14. FOR ADDITIONAL INFORMATION ABOUT AREAS WITH MDF PANELS, SEE SHEETS A410- A418

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL D2/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL D6/A570
3. TYPICAL PLAN VIEW BASE CABINETS, PER DETAILS E4/A570 AND E5/A570
4. TYPICAL CABINET LOCK DETAIL, PER DETAIL E6/A570
5. TYPICAL COUNTERTOP EDGE, PER DETAIL E1/A570
6. TYPICAL TOE-KICK, PER DETAIL D3/A570
7. TYPICAL ADJUSTABLE SHELVING, PER DETAIL D1/A570

SYMBOLS

F — SINGLE FINISH SYMBOL INDICATES WHERE FINISH IS DIFFERENT FROM GENERAL FINISH- SEE LEGEND ON SHEET A400

KEYED NOTES

400.4	CONCRETE MASONRY UNIT (CMU)
503.0	STEEL COUNTERTOP SUPPORT BRACKET, PAINTED
606.1	MOBILE DOUBLE SIDED BOOK CART ON LOCKING CASTERS
607.0	FILLER PANEL, SCRIBE TO ADJACENT WALL SURFACE FOR SEAMLESS TRANSITION, TYP.
608.0	WHITE BOARD PLASTIC LAMINATE ON FACE OF CABINET AT THIS LOCATION
612.0	SOLID SURFACE SILL
614.0	COUNTERTOP, PLASTIC LAMINATE
614.1	COUNTERTOP, SOLID SURFACE
800.0	SCHEDULED DOOR AND FRAME
802.0	ANODIZED ALUMINUM STOREFRONT/CURTAINWALL SYSTEM
900.1	SCHEDULED BASE
900.2	WALL BASE - STAINLESS STEEL GRILL
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
907.0	TACKABLE WALL SYSTEM
1001.0	SIGNAGE, SEE SCHEDULE
1002.0	WALL MOUNTED MARKER BOARD
1006.1	SOAP DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1006.2	PAPER TOWEL DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1104.0	TV/MONITOR, IN CONTRACT - CONTRACTOR TO PROVIDE 24" TALL BY 32" WIDE AREA OF 2X FIRE TREATED WOOD BACKING WHERE TV WILL BE INSTALLED
1104.2	TV/MONITOR, OWNER FURNISHED CONTRACTOR INSTALLED - CONTRACTOR TO PROVIDE 24" TALL BY 32" WIDE AREA OF 2X FIRE TREATED WOOD BACKING WHERE TV WILL BE INSTALLED
1200.0	MANUAL ROLLER SHADES - 3% FABRIC
2200.0	SINK + FAUCET
2301.0	PRE-FINISHED MECHANICAL GRILLE/LOUVER
2303.0	MECHANICAL DIFFUSER, PAINTED WHERE EXPOSED
2800.0	ACCESS CONTROL CARD READER - FULL BUILD OUT

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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

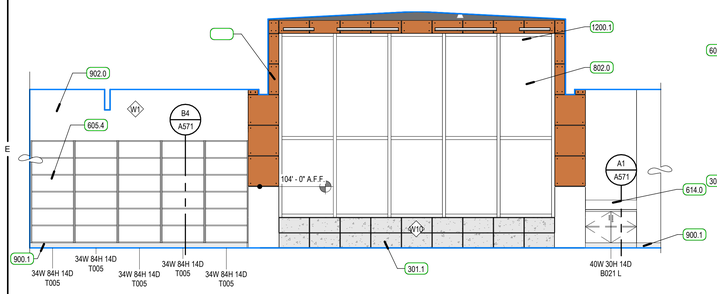
2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS

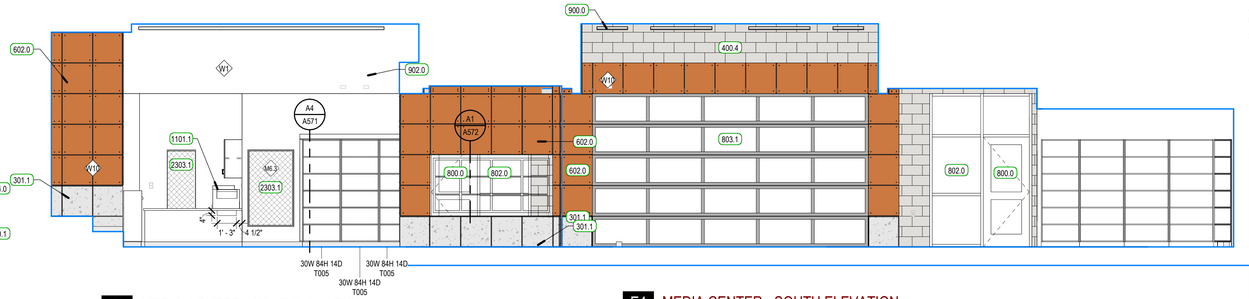
A403

7/23/2026 11:10:27 AM



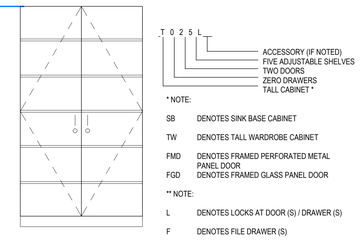
E1 MEDIA CENTER - NORTH ELEVATION

SCALE: 1/4" = 1'-0"



E3 MEDIA CENTER - EAST ELEVATION

SCALE: 1/4" = 1'-0"

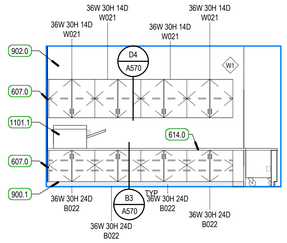


E4 MEDIA CENTER - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

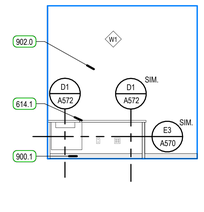
D1 MEDIA CENTER - WEST ELEVATION

SCALE: 1/4" = 1'-0"



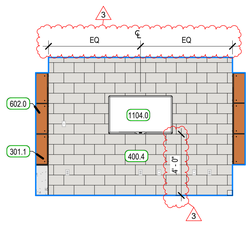
D3 MEDIA WORK ROOM 1204 - SOUTH ELEVATION

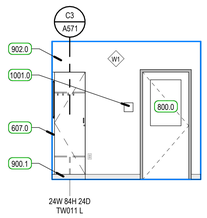
SCALE: 1/4" = 1'-0"

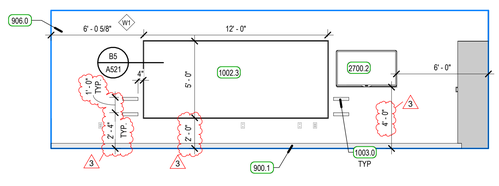


D4 MEDIA WORK ROOM 1204 - WEST ELEVATION

SCALE: 1/4" = 1'-0"







C1 CONFERENCE ROOM 1201 - NORTH ELEVATION

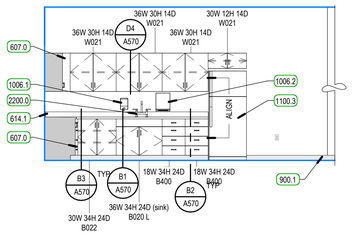
SCALE: 1/4" = 1'-0"

C2 ELEVATION - INT - CONF. 1512

SCALE: 1/4" = 1'-0"

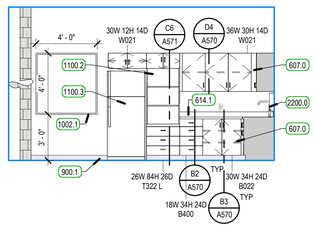
C3 ELEVATION - INT - CONF. 1513

SCALE: 1/4" = 1'-0"



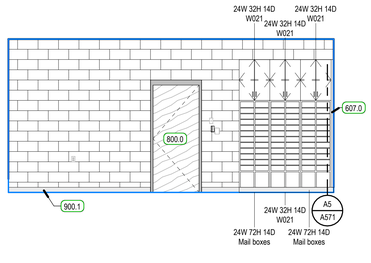
B1 FACULTY LOUNGE - NORTH EAST ELEVATION

SCALE: 1/4" = 1'-0"



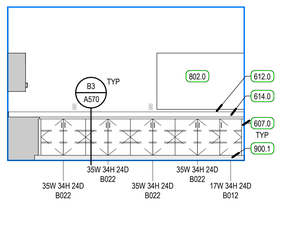
B2 FACULTY LOUNGE - NORTH WEST ELEVATION

SCALE: 1/4" = 1'-0"



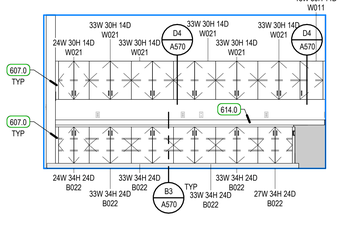
B3 FACULTY LOUNGE- SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



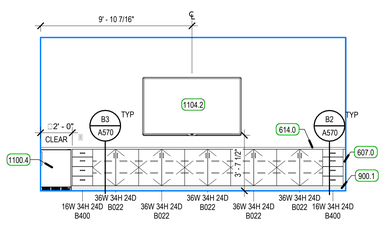
B4 WORK ROOM 1608 - EAST ELEVATION

SCALE: 1/4" = 1'-0"



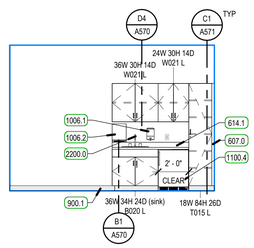
B5 WORK ROOM 1608 - NORTH ELEVATION

SCALE: 1/4" = 1'-0"



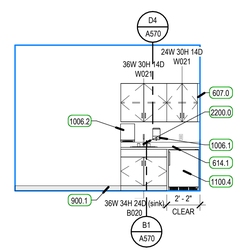
A1 CONFERENCE ROOM - EAST ELEVATION

SCALE: 1/4" = 1'-0"



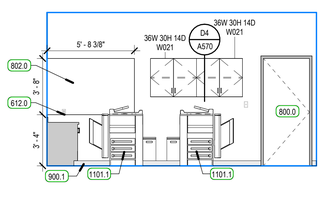
A2 HEALTH ROOM - WEST ELEVATION

SCALE: 1/4" = 1'-0"



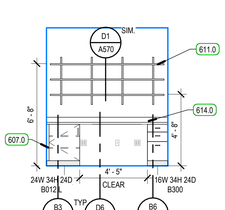
A3 WELLNESS ROOM - NORTH ELEVATION

SCALE: 1/4" = 1'-0"



A4 WORK ROOM 1608 - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



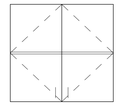
A5 TECH 1510 - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *



W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *

T 0 2 5 L
- ACCESSORY (IF NOTED)
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

MILLWORK NOTES

1. MILLWORK DIMENSION NUMBERS ARE WIDTH X HEIGHT X DEPTH.
2. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP
3. CABINET DEPTHS ARE MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
4. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
5. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANS OR ELEVATIONS.
6. ALL COUNTERTOPS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
7. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
8. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
9. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, COAT RACKS, PENCIL SHARPENER BLOCKS, T.V. BRACKETS AND PROJECTION SCREENS AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITION.
10. ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE UNLESS NOTED OTHERWISE
11. REFER TO SHEET A400 FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
12. PROVIDE LOCKS ON DOORS AND DRAWERS WHERE INDICATED ON ELEVATIONS
13. UPPER CABINETS HUNG AT 7'-0" TO TOP OF CABINET U.O.N.
14. FOR ADDITIONAL INFORMATION ABOUT AREAS WITH MDF PANELS, SEE SHEETS A410- A418

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL D2/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL D6/A570
3. TYPICAL PLAN VIEW BASE CABINETS, PER DETAILS E4/A570 AND E5/A570
4. TYPICAL CABINET LOCK DETAIL, PER DETAIL E6/A570
5. TYPICAL COUNTERTOP EDGE, PER DETAIL E1/A570
6. TYPICAL TOE-KICK, PER DETAIL D3/A570
7. TYPICAL ADJUSTABLE SHELVING, PER DETAIL D1/A570

SYMBOLS

F — SINGLE FINISH SYMBOL INDICATES WHERE FINISH IS DIFFERENT FROM GENERAL FINISH- SEE LEGEND ON SHEET A400

KEYED NOTES

301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
400.4	CONCRETE MASONRY UNIT (CMU)
602.0	1/2" MDF PANELS WITH SQUARE EDGES, TYP. MECHANICALLY ATTACHED WITH #10 TORX HEAD FASTNERS & COUNTERSUNK WASHER PLATES OVER GYP WALL BOARD PAINTED BLACK. PROVIDE BACKING AS REQUIRED TO SUPPORT MDF PANELS, TYP. PREP ALL EXPOSED FACES AND EDGES TO RECEIVE AIRLESS SPRAYED PAINT FINISH, TYP. MOCK-UP REQUIRED PRIOR TO FABRICATION.
605.4	WALL MOUNTED BOOK SHELVES, WITH 2X WOOD BLOCKING TOP AND BOTTOM, TYP.
607.0	FILLER PANEL, SCRIBE TO ADJACENT WALL SURFACE FOR SEAMLESS TRANSITION, TYP.
611.0	14" DEEP ADJUSTABLE SHELVING ON DUAL SLOTTED WALL TRACKS, WHITE COLOR, TYP.
612.0	SOLID SURFACE SILL
614.0	COUNTERTOP, PLASTIC LAMINATE
614.1	COUNTERTOP, SOLID SURFACE
800.0	SCHEDULED DOOR AND FRAME
802.0	ANODIZED ALUMINUM STOREFRONT/CURTAINWALL SYSTEM
803.1	ANODIZED ALUMINUM OVERHEAD COILING DOOR.
900.0	SCHEDULED CEILING SYSTEM
900.1	SCHEDULED BASE
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
906.0	GYPSUM SOFFIT, PAINTED WHERE EXPOSED
1001.0	SIGNAGE, SEE SCHEDULE
1002.1	WALL MOUNTED TACK BOARD
1002.3	MAGNETIC DRY-ERASE WALL COVERING WITH FRY REGLET REVEAL (DRM-625-625) AND SNAP-IN INSERT (DRM-SNAP-IN-SI) ON SIDES AND TOP. SEE ELEVATIONS FOR SIZE.
1003.0	12" MARKER TRAY WITH ROUNDED END CAPS
1006.1	SOAP DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1006.2	PAPER TOWEL DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1100.2	MICROWAVE, OWNER PROVIDED AND INSTALLED
1100.3	REFRIGERATOR WITH ICEMAKER, NIC
1100.4	UNDERCOUNTER MINI FRIDGE, NIC
1101.1	COPIER/PRINTER, NIC
1104.0	TV/MONITOR, IN CONTRACT - CONTRACTOR TO PROVIDE 24" TALL BY 32" WIDE AREA OF 2X FIRE TREATED WOOD BACKING WHERE TV WILL BE INSTALLED
1104.2	TV/MONITOR, OWNER FURNISHED CONTRACTOR INSTALLED - CONTRACTOR TO PROVIDE 24" TALL BY 32" WIDE AREA OF 2X FIRE TREATED WOOD BACKING WHERE TV WILL BE INSTALLED
1200.1	MANUAL ROLLER SHADES - BLACKOUT
2200.0	SINK + FAUCET
2303.1	PRE-FINISHED SURFACE MOUNTED MECHANICAL DIFFUSER ASSEMBLY. PROVIDE HEAVY DUTY DIFFUSER @ CORRIDORS, DINING, COLLABORATION SPACES, AND GYMNASIUM.
2700.2	WALL MOUNTED VIDEO MONITOR WITH RECESSED BACK BOX IN WALL FOR ALL CONNECTIONS.

VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
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435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

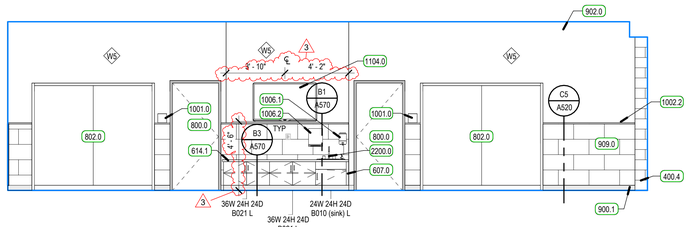
2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS

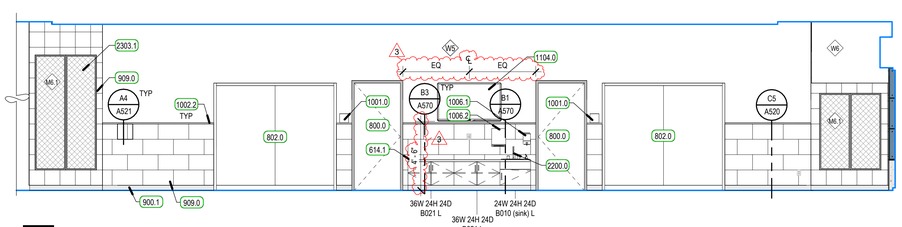
A404

7/23/2026 11:10:48 AM



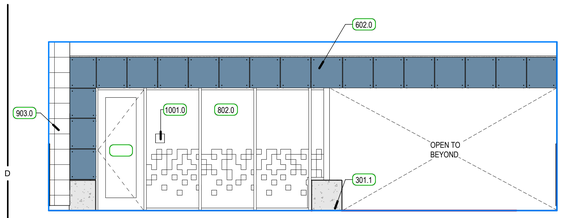
E1 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



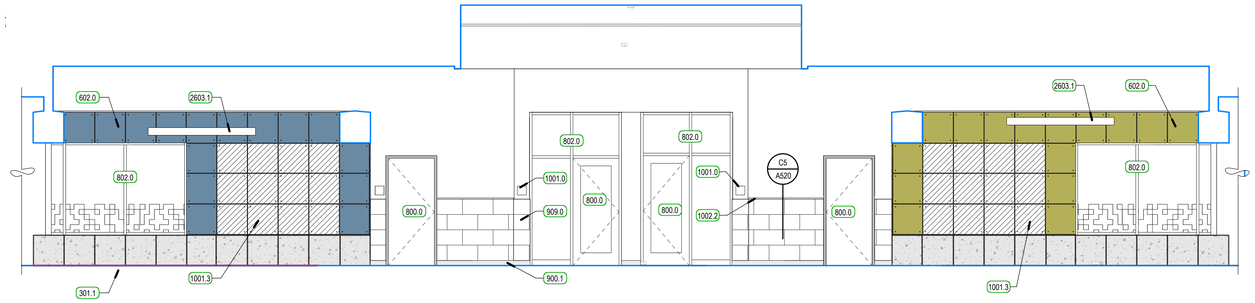
E3 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



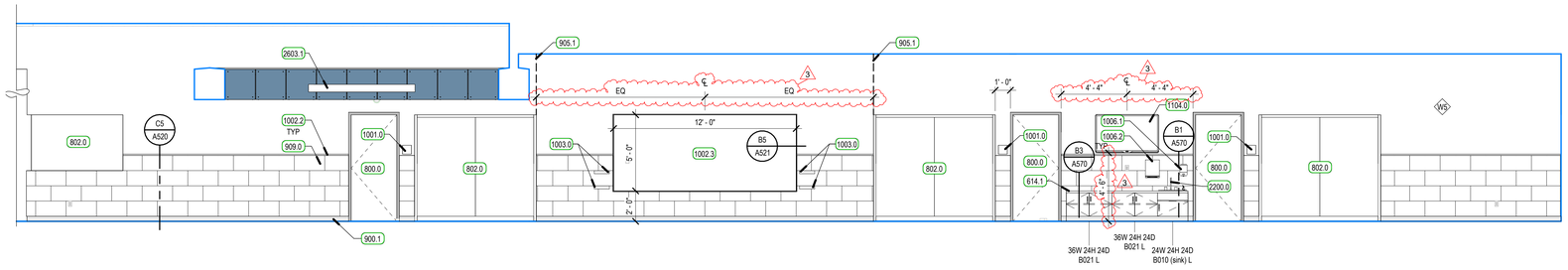
D1 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



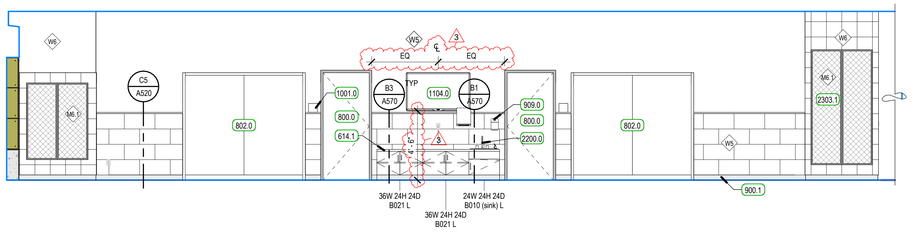
D3 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



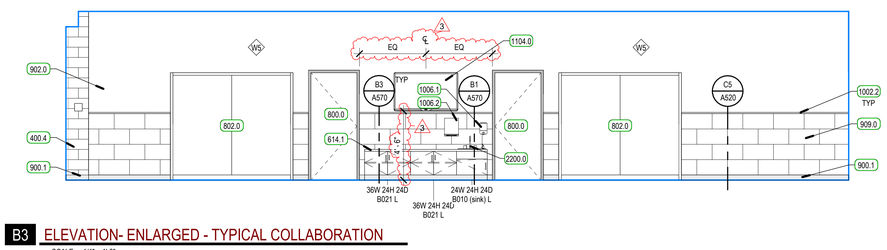
C1 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



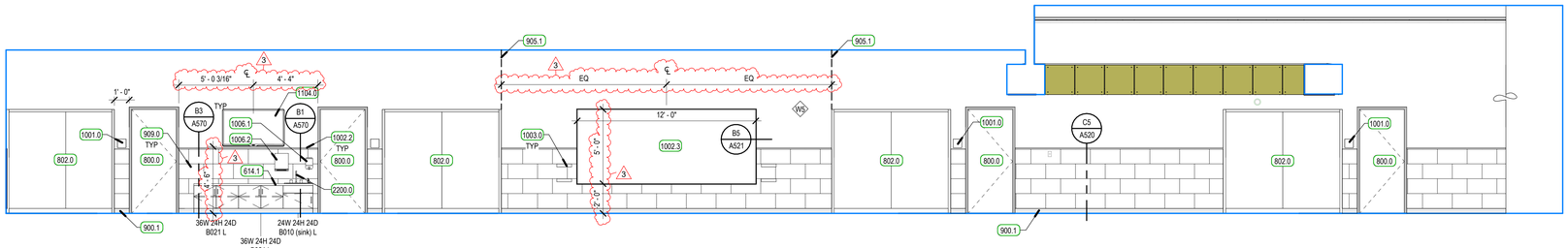
B1 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



B3 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"



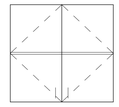
A1 ELEVATION- ENLARGED - TYPICAL COLLABORATION

SCALE: 1/4" = 1'-0"

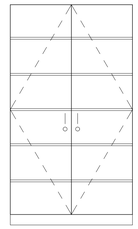
ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *



W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- ACCESSORY (IF NOTED)
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

MILLWORK NOTES

1. MILLWORK DIMENSION NUMBERS ARE WIDTH X HEIGHT X DEPTH.
2. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP
3. CABINET DEPTHS ARE MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
4. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
5. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANS OR ELEVATIONS.
6. ALL COUNTERTOPS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
7. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
8. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
9. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, COAT RACKS, PENCIL SHARPENER BLOCKS, T.V. BRACKETS AND PROJECTION SCREENS AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC.... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITION.
10. ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE UNLESS NOTED OTHERWISE
11. REFER TO SHEET A400 FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
12. PROVIDE LOCKS ON DOORS AND DRAWERS WHERE INDICATED ON ELEVATIONS
13. UPPER CABINETS HUNG AT 7'-0" TO TOP OF CABINET U.O.N.
14. FOR ADDITIONAL INFORMATION ABOUT AREAS WITH MDF PANELS, SEE SHEETS A410- A418

TYPICAL MILLWORK DETAILS

1. TYPICAL MILLWORK ANCHORING DETAILS, PER DETAIL D2/A570
2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL D6/A570
3. TYPICAL PLAN VIEW BASE CABINETS, PER DETAILS E4/A570 AND E5/A570
4. TYPICAL CABINET LOCK DETAIL, PER DETAIL E6/A570
5. TYPICAL COUNTERTOP EDGE, PER DETAIL E1/A570
6. TYPICAL TOE-KICK, PER DETAIL D3/A570
7. TYPICAL ADJUSTABLE SHELVING, PER DETAIL D1/A570

SYMBOLS

F — SINGLE FINISH SYMBOL INDICATES WHERE FINISH IS DIFFERENT FROM GENERAL FINISH- SEE LEGEND ON SHEET A400

KEYED NOTES

301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
400.4	CONCRETE MASONRY UNIT (CMU)
602.0	1/2" MDF PANELS WITH SQUARE EDGES, TYP. MECHANICALLY ATTACHED WITH #10 TORX HEAD FASTNERS & COUNTERSUNK WASHER PLATES OVER GYP WALL BOARD PAINTED BLACK. PROVIDE BACKING AS REQUIRED TO SUPPORT MDF PANELS, TYP. PREP ALL EXPOSED FACES AND EDGES TO RECEIVE AIRLESS SPRAYED PAINT FINISH, TYP. MOCK-UP REQUIRED PRIOR TO FABRICATION.
607.0	FILLER PANEL, SCRIBE TO ADJACENT WALL SURFACE FOR SEAMLESS TRANSITION, TYP.
614.1	COUNTERTOP, SOLID SURFACE
800.0	SCHEDULED DOOR AND FRAME
802.0	ANODIZED ALUMINUM STOREFRONT/CURTAINWALL SYSTEM
900.1	SCHEDULED BASE
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
903.0	12"X12" TILE FULL HEIGHT
905.1	GYPSUM BOARD "V" GROOVE CONTROL JOINT SHOWN FOR REFERENCE. LOCATE WITH ARCHITECT, FRAMER, AND TILE CONTRACTOR PRIOR TO INSTALLATION TO ENSURE PROPER PLACEMENT, TYP.
909.0	SCHEDULED PORCELAIN WALL TILE
1001.0	SIGNAGE, SEE SCHEDULE
1001.3	SIGNAGE, GLASS LENS WITH ACRYLIC INFO PANEL. ARTWORK TO BE PROVIDED TO SUCCESSFUL CONTRACTOR.
1002.2	WALL MOUNTED 1" TACK STRIP
1002.3	MAGNETIC DRY-ERASE WALL COVERING WITH FRY REGLET REVEAL (DRM-625-625) AND SNAP-IN INSERT (DRM-SNAP-IN-50) ON SIDES AND TOP. SEE ELEVATIONS FOR SIZE.
1003.0	12" MARKER TRAY WITH ROUNDED END CAPS
1006.1	SOAP DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1006.2	PAPER TOWEL DISPENSER, OWNER PROVIDED, CONTRACTOR INSTALLED
1104.0	TV/MONITOR, IN CONTRACT - CONTRACTOR TO PROVIDE 24" TALL BY 32" WIDE AREA OF 2X FIRE TREATED WOOD BACKING WHERE TV WILL BE INSTALLED
2200.0	SINK + FAUCET
2303.1	PRE-FINISHED SURFACE MOUNTED MECHANICAL DIFFUSER ASSEMBLY. PROVIDE HEAVY DUTY DIFFUSER @ CORRIDORS, DINING, COLLABORATION SPACES, AND GYMNASIUM.
2603.1	LIGHT FIXTURE

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524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
2	2026.07.16	ADD 002
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

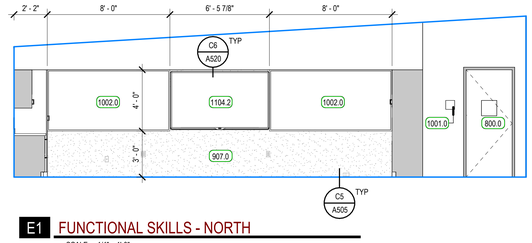
2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS

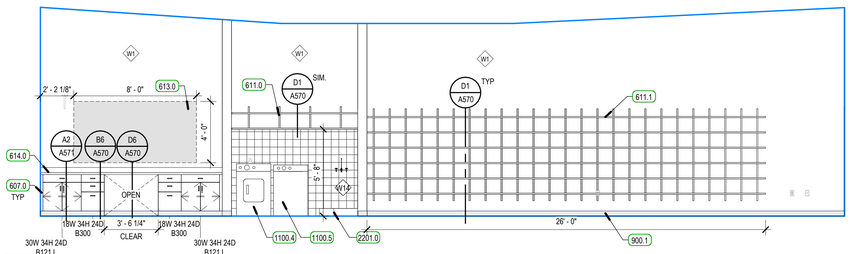
A405

7/23/2026 11:11:03 AM



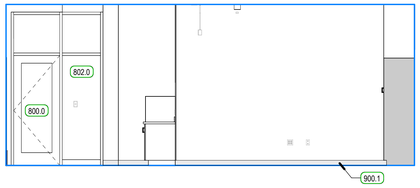
E1 FUNCTIONAL SKILLS - NORTH

SCALE: 1/4" = 1'-0"



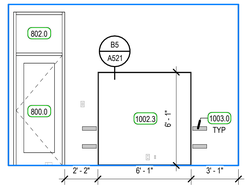
E2 RECEIVING 1119 - WEST ELEVATION

SCALE: 1/4" = 1'-0"



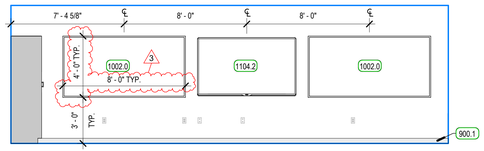
D1 SPEC ED - EAST ELEVATION

SCALE: 1/4" = 1'-0"



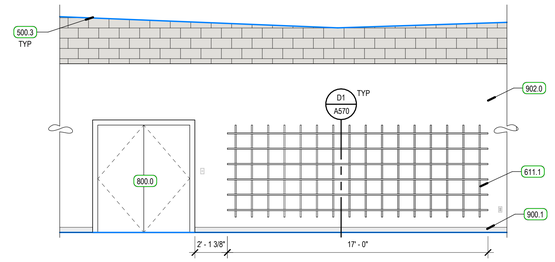
D2 SLP - EAST ELEVATION

SCALE: 1/4" = 1'-0"



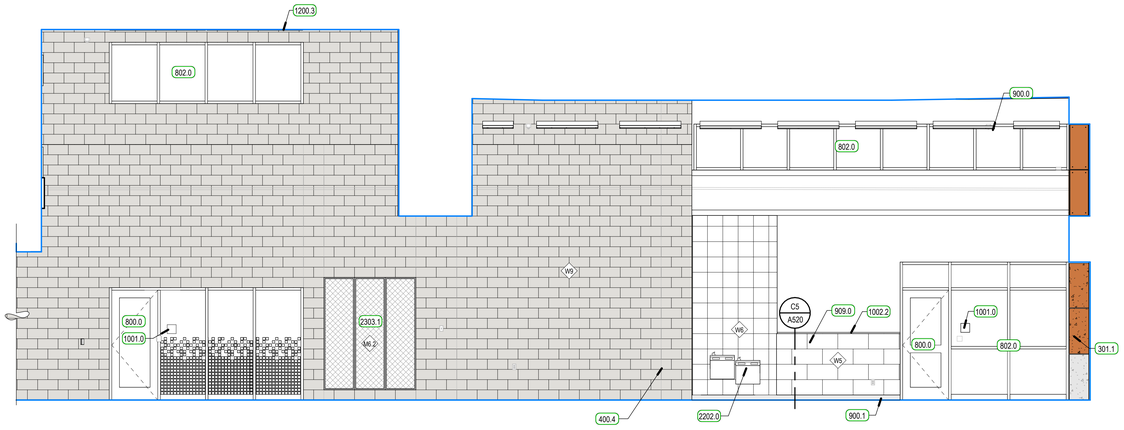
D3 GROUP - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



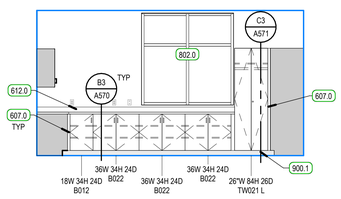
D4 RECEIVING 1119 - EAST ELEVATION

SCALE: 1/4" = 1'-0"



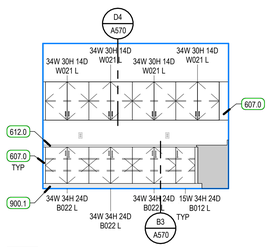
C1 CORRIDOR 1113 - EAST ELEVATION

SCALE: 1/4" = 1'-0"



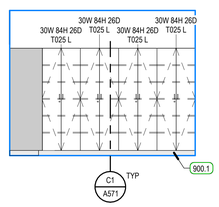
B1 WORKROOM - EAST ELEVATION

SCALE: 1/4" = 1'-0"



B2 WORKROOM - NORTH ELEVATION

SCALE: 1/4" = 1'-0"

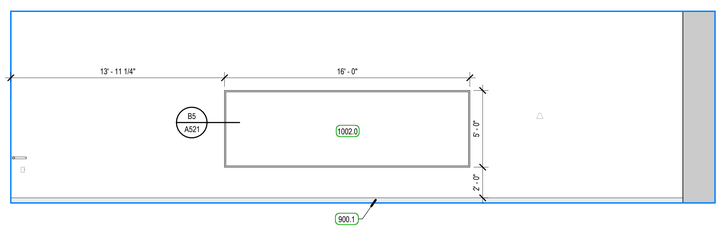


B3 WORKROOM - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

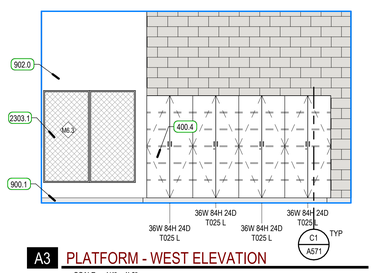
B4 WORKROOM - WEST ELEVATION

SCALE: 1/4" = 1'-0"



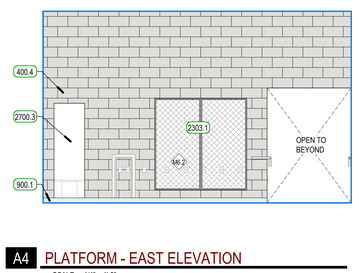
A1 PLATFORM - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



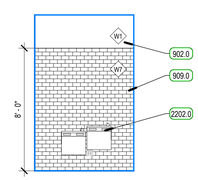
A3 PLATFORM - WEST ELEVATION

SCALE: 1/4" = 1'-0"



A4 PLATFORM - EAST ELEVATION

SCALE: 1/4" = 1'-0"



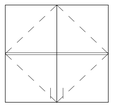
A5 TYP. DRINKING FOUNTAIN ELEVATION

SCALE: 1/4" = 1'-0"

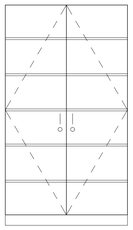
ARCHITECTURAL MILLWORK KEY

EXAMPLE:

B 1 1 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- ONE DOOR
- ONE DRAWER
- BASE CABINET *



W 0 2 1 **
- ACCESSORY (IF NOTED)
- ONE ADJUSTABLE SHELF
- TWO DOORS
- ZERO DRAWERS
- WALL CABINET *



T 0 2 5 L
- ACCESSORY (IF NOTED)
- FIVE ADJUSTABLE SHELVES
- TWO DOORS
- ZERO DRAWERS
- TALL CABINET *

* NOTE:

SB	DENOTES SINK BASE CABINET
TW	DENOTES TALL WARDROBE CABINET
FMD	DENOTES FRAMED PERFORATED METAL PANEL DOOR
FGD	DENOTES FRAMED GLASS PANEL DOOR

** NOTE:

L	DENOTES LOCKS AT DOOR (S) / DRAWER (S)
F	DENOTES FILE DRAWER (S)

MILLWORK NOTES

1. MILLWORK DIMENSION NUMBERS ARE WIDTH X HEIGHT X DEPTH.
2. ALL MILLWORK DIMENSIONED FROM BASE TO TOP OF IDENTIFIED COUNTERTOP, TYP
3. CABINET DEPTHS ARE MEASURED FROM THE WALL TO THE FACE OF THE DOOR OR DRAWER FRONT (WHERE APPLICABLE).
4. PROVIDE BASE AT ALL CABINET TOE SPACE, UNLESS NOTED OTHERWISE.
5. PROVIDE GROMMET WHERE "G" IS LABELED ON PLANS OR ELEVATIONS.
6. ALL COUNTERTOPS TO HAVE A 4" BACKSPLASH, UNLESS NOTED OTHERWISE, TO MATCH COUNTERTOP, ON BACK AND SIDE WALLS.
7. PROVIDE FILLER PANELS TO SEAL SIDES AND TOPS OF ALL CABINETS PLACED AT AN ANGLE TO ADJACENT WALL(S).
8. ALL MILLWORK TO BE FINISHED ON ENDS, TYP.
9. CONTRACTOR TO PROVIDE BLOCKING BEHIND ALL CABINETS, COAT RACKS, PENCIL SHARPENER BLOCKS, T.V. BRACKETS AND PROJECTION SCREENS AS WELL AS ALL WALL MOUNTED ACCESSORIES, INCLUDING WHITE BOARDS, TACKBOARDS, TOILET AND URINAL PARTITIONS AND TOILET ROOM ACCESSORIES, ETC... NOTE: ONLY 2X WOOD BLOCKING IS ACCEPTABLE BEHIND MILLWORK AND TOILET ROOM PARTITION.
10. ALL CABINET INTERIORS, WHETHER CONCEALED BEHIND DOORS OR OPEN, ARE STANDARD MELAMINE UNLESS NOTED OTHERWISE
11. REFER TO SHEET A400 FOR FINISH COLORS ON ALL MILLWORK AND CASEWORK.
12. PROVIDE LOCKS ON DOORS AND DRAWERS WHERE INDICATED ON ELEVATIONS
13. UPPER CABINETS HUNG AT 7'-0" TO TOP OF CABINET U.O.N.
14. FOR ADDITIONAL INFORMATION ABOUT AREAS WITH MDF PANELS, SEE SHEETS A410- A418

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2. TYPICAL COUNTERTOP WORK SURFACE, PER DETAIL D6/A570
3. TYPICAL PLAN VIEW BASE CABINETS, PER DETAILS E4/A570 AND E5/A570
4. TYPICAL CABINET LOCK DETAIL, PER DETAIL E6/A570
5. TYPICAL COUNTERTOP EDGE, PER DETAIL E1/A570
6. TYPICAL TOE-KICK, PER DETAIL D3/A570
7. TYPICAL ADJUSTABLE SHELVING, PER DETAIL D1/A570

SYMBOLS

F — SINGLE FINISH SYMBOL INDICATES WHERE FINISH IS DIFFERENT FROM GENERAL FINISH- SEE LEGEND ON SHEET A400

KEYED NOTES

301.1	REINFORCED CONCRETE BENCH/PIER/WALL, ARCHITECTURAL GRADE FINISH WHERE EXPOSED. PROVIDE CONTINUOUS SKIM COAT OF PATCH-CRETE TO PROVIDE SMOOTH, UNIFORM, BEE-HOLE FREE SURFACE READY FOR PAINT, TYP. PROVIDE MOCK-UP FOR REVIEW PRIOR TO INSTALLATION.
400.4	CONCRETE MASONRY UNIT (CMU)
500.3	STEEL JOIST PAINTED WHERE EXPOSED
602.0	1/2" MDF PANELS WITH SQUARE EDGES, TYP. MECHANICALLY ATTACHED WITH #10 TORX HEAD FASTNERS & COUNTERSUNK WASHER PLATES OVER GYP WALL BOARD PAINTED BLACK. PROVIDE BACKING AS REQUIRED TO SUPPORT MDF PANELS, TYP. PREP ALL EXPOSED FACES AND EDGES TO RECEIVE AIRLESS SPRAYED PAINT FINISH, TYP. MOCK-UP REQUIRED PRIOR TO FABRICATION.
607.0	FILLER PANEL, SCRIBE TO ADJACENT WALL SURFACE FOR SEAMLESS TRANSITION, TYP.
611.0	14" DEEP ADJUSTABLE SHELVING ON DUAL SLOTTED WALL TRACKS, WHITE COLOR, TYP.
611.1	18" DEEP ADJUSTABLE SHELVING ON DUAL SLOTTED WALL TRACKS, WHITE COLOR, TYP.
612.0	SOLID SURFACE SILL
613.0	48"x96" PEG BOARD OVER 2x2 WOOD FRAME BACKING WITH 1x2 HARDWOOD TRIM ALL AROUND
614.0	COUNTERTOP, PLASTIC LAMINATE
800.0	SCHEDULED DOOR AND FRAME
802.0	ANODIZED ALUMINUM STOREFRONT/CURTAINWALL SYSTEM
806.0	ADA DOOR ACTUATOR ACCESS CONTROL, FULL BUILD-OUT
900.0	SCHEDULED CEILING SYSTEM
900.1	SCHEDULED BASE
902.0	5/8" GYPSUM BOARD PAINTED WHERE EXPOSED
907.0	TACKABLE WALL SYSTEM
909.0	SCHEDULED PORCELAIN WALL TILE
1001.0	SIGNAGE, SEE SCHEDULE
1001.3	SIGNAGE, GLASS LENS WITH ACRYLIC INFO PANEL. ARTWORK TO BE PROVIDED TO SUCCESSFUL CONTRACTOR.
1001.4	SIGNAGE, VINYL GRAPHIC OVER 5/8" GYP. BD., SEE SIGNAGE SCHEDULE. ARTWORK TO BE PROVIDED TO SUCCESSFUL CONTRACTOR.
1002.0	WALL MOUNTED MARKER BOARD
1002.2	WALL MOUNTED 1" TACK STRIP
1002.3	MAGNETIC DRY-ERASE WALL COVERING WITH FRY REGLET REVEAL (DRM-625-625) AND SNAP-IN INSERT (DRM-SNAP-IN-50) ON SIDES AND TOP. SEE ELEVATIONS FOR SIZE.
1003.0	12" MARKER TRAY WITH ROUNDED END CAPS
1100.4	UNDERCOUNTER MINI FRIDGE, NIC
1100.5	SIDE BY SIDE ELECTRIC WASHER AND DRYER, OWNER PROVIDED AND INSTALLED
1101.1	COPIER/PRINTER, NIC
1104.2	TV/MONITOR, OWNER FURNISHED CONTRACTOR INSTALLED - CONTRACTOR TO PROVIDE 24" TALL BY 32" WIDE AREA OF 2X FIRE TREATED WOOD BACKING WHERE TV WILL BE INSTALLED
1200.3	MOTORIZED ROLLER SHADES - 3% FABRIC - WITH CONTINUOUS PRESSURE KEY SWITCHES
2201.0	MOP SINK + FAUCET
2202.0	ELECTRIC WATER COOLER, WITH BOTTLE FILLER
2303.1	PRE-FINISHED SURFACE MOUNTED MECHANICAL DIFFUSER ASSEMBLY. PROVIDE HEAVY DUTY DIFFUSER @ CORRIDORS, DINING, COLLABORATION SPACES, AND GYMNASIUM.
2700.3	SOUND CABINET

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SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
1		
3	2026.07.23	ADD 003

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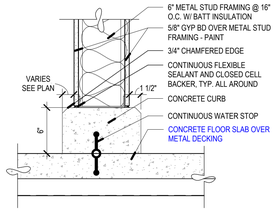
CONSTRUCTION DOCUMENTS

INTERIOR ELEVATIONS

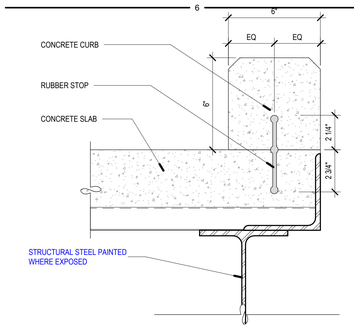
A406

7/23/2026 11:11:21 AM



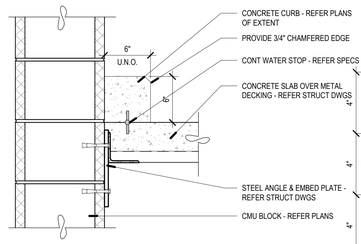
E5 MECHANICAL CURB - STUD WALL

SCALE: 1 1/2" = 1'-0"



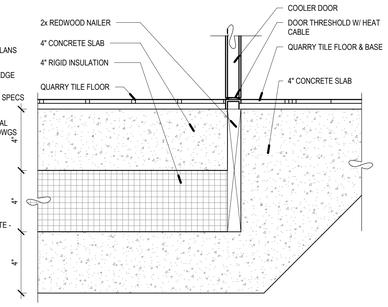
E6 MECHANICAL CURB

SCALE: 3" = 1'-0"



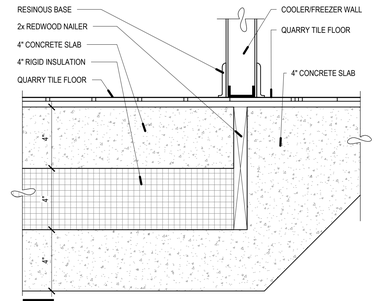
D4 MECHANICAL CURB - CMU

SCALE: 1 1/2" = 1'-0"



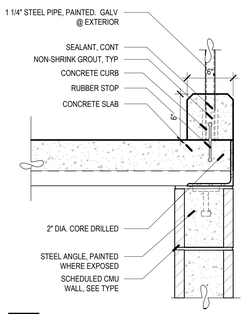
D5 WALK IN FREEZER DOOR DETAIL, TYP.

SCALE: 3" = 1'-0"



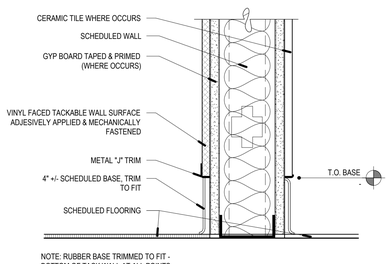
D6 WALK IN FREEZER DETAIL, TYP.

SCALE: 3" = 1'-0"



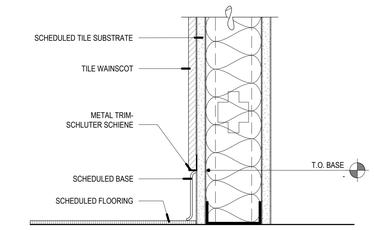
C4 CONCRETE CURB AT MECH. ROOM AND STAIRS

SCALE: 1 1/2" = 1'-0"



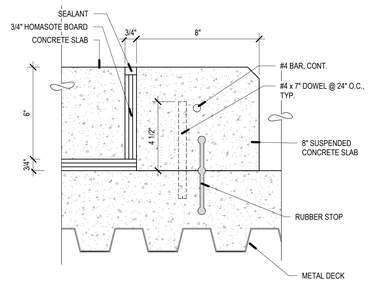
C5 TACKABLE WALL BASE DETAIL, TYP.

SCALE: 3" = 1'-0"



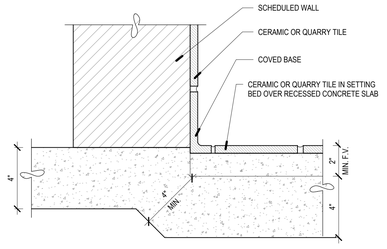
C6 TILE WAINSCOT BASE DETAIL, TYP.

SCALE: 3" = 1'-0"



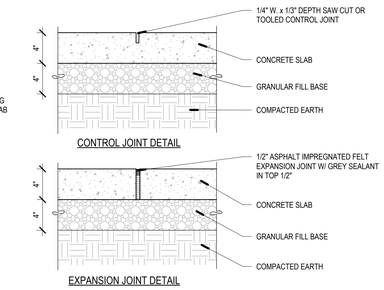
B4 TYP. ISOLATION PAD @ MECH./TRANS. UNIT

SCALE: 3" = 1'-0"



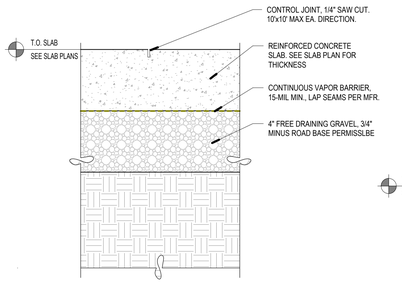
B5 TILE BASE DETAIL, TYP.

SCALE: 3" = 1'-0"



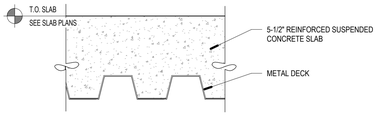
B6 CONCRETE JOINT DETAIL, TYP.

SCALE: 1 1/2" = 1'-0"



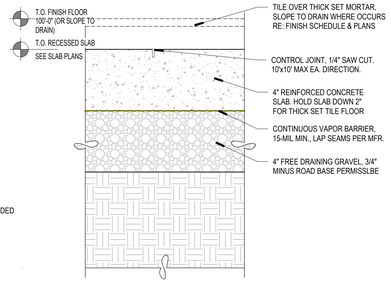
A1 FLOOR TYPE - FS1 - SLAB ON GRADE

SCALE: 3" = 1'-0"



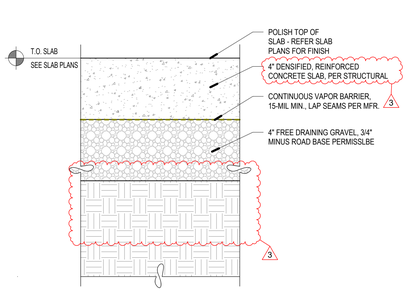
A2 FLOOR TYPE - FS2 - 5 1/2" SUSPENDED SLAB

SCALE: 3" = 1'-0"



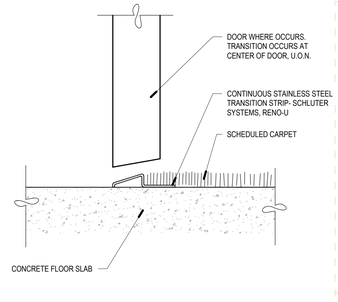
A3 FLOOR TYPE - FS3 - RECESSED SLAB ON GRADE

SCALE: 3" = 1'-0"



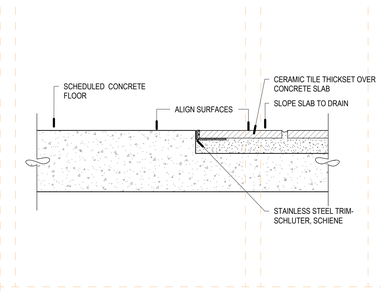
A4 FLOOR TYPE - FS4.X - POLISHED CONCRETE

SCALE: 3" = 1'-0"



A5 CONCRETE TO CARPET FLOOR TRANSITION

SCALE: 6" = 1'-0"



A6 CERAMIC TILE TRANSITION (THICKSET)

SCALE: 3" = 1'-0"

VCBO

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

DETAILS - FLOOR + BASE

A505

7/23/2026 11:11:28 AM

SCHEDULE - DOOR AND FRAME

DOOR NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICK	DOOR ELEV. TYPE	DOOR MATERIAL	DOOR FACING/FINISH	DOOR PANEL FINISH TAG	FRAME ELEV. TYPE	FRAME MATERIAL	FRAME FINISH/FACING	FRAME FINISH TAG	HARDWARE GROUP	CARD READER	ADA ACCESS CONTROL	MULLION	LABEL (MIN.)	NOTES	DOOR NUMBER
1100A	36"	86"	2"	G	AL	ANO	D4	10	AL	ANO	D4	A01	YES	YES	FIX		CURTAIN WALL	1100A
1100B	36"	86"	2"	G	AL	ANO	D4	10	AL	ANO	D4	A04			FIX		CURTAIN WALL	1100B
1100C	36"	86"	2"	G	AL	ANO	D4	10	AL	ANO	D4	A04			FIX		CURTAIN WALL	1100C
1100D	36"	86"	2"	G	AL	ANO	D4	10	AL	ANO	D4	A04			FIX		CURTAIN WALL	1100D
1100E	36"	86"	2"	G	AL	ANO	D4	23	AL	ANO	D4	A07	YES	YES	FIX			1100E
1100F	36"	86"	2"	G	AL	ANO	D4	23	AL	ANO	D4	A10			FIX			1100F
1100G	36"	86"	2"	G	AL	ANO	D4	23	AL	ANO	D4	A10			FIX			1100G
1100H	36"	86"	2"	G	AL	ANO	D4	23	AL	ANO	D4	A10			FIX			1100H
1101A	36"	86"	2"	G	AL	ANO	D4	24	AL	ANO	D4	A08	YES					1101A
1101B	36"	86"	2"	G	AL	ANO			AL	ANO		A11						1101B
1102	35 9/16"	86"	2"	G	AL	ANO	D4	21	AL	ANO	D4	A12						1102
1103	36"	84"	1 3/4"	A	WD	WD		01	HM	PNT		18						1103
1104	36"	84"	1 3/4"	A	WD	WD		01	HM	PNT		18						1104
1105	36"	84"	1 3/4"	A	WD	WD	D1	01	HM	PNT	D3.1	18						1105
1107	36"	84"	1 3/4"	A	WD	WD		01	HM	PNT		24						1107
1108	36"	84"	1 3/4"	A	WD	WD	D1	01	HM	PNT	D3.1	10						1108
1109	36"	84"	1 3/4"	A	WD	WD	D1	01	HM	PNT	D3.1	24						1109
1110	36"	84"	1 3/4"	A	WD	WD	D1	01	HM	PNT	D3.1	24						1110
1111	36"	84"	1 3/4"	A	WD	WD	D1	01	HM	PNT	D3.1	25						1111
1112	36"	84"	1 3/4"	A	WD	WD	D1	01	HM	PNT	D3.1	18						1112
1114C	37"	84"	1 3/4"	C1	HM	PNT	D2.2	08	HM	PNT	D3.1	28			FIX			1114C
1114D	37"	84"	1 3/4"	C1	HM	PNT	D2.2	08	HM	PNT	D3.1	28			FIX			1114D
1114E	37"	84"	1 3/4"	C1	HM	PNT	D2.2	08	HM	PNT	D3.1	28			FIX			1114E
1114F	37"	84"	1 3/4"	C1	HM	PNT	D2.2	08	HM	PNT	D3.1	28			FIX			1114F
1114G	192"	144"	1 1/2"	N	AL	ANO	D4	--	--	--	--	30					MOTORIZED, CONT PRESSURE KEY SWITCH	1114G
1114H	192"	144"	1 1/2"	N	AL	ANO	D4	--	--	--	--	30					MOTORIZED, CONT PRESSURE KEY SWITCH	1114H
1114J	192"	144"	1 1/2"	N	AL	ANO	D4	--	--	--	--	30					MOTORIZED, CONT PRESSURE KEY SWITCH	1114J
1114K	72"	84"	1 3/4"	C1	HM	PNT		06	HM	PNT		28A						1114K
1115A	36"	84"	1 3/4"	C110			D2.2				D3.1	23						1115A
1115B	36"	84"	1 3/4"	C110			D2.2				D3.1	23						1115B
1115C	72"	88"	2"	J	AL	ANO	D4	--	--	--	--	30					MANUAL	1115C
1115D	72"	88"	2"	J	AL	ANO	D4	--	--	--	--	30					MANUAL	1115D
1116	48"	52"	2"	H	AL	ANO	D4	--	--	--	--	30					MANUAL - STAINLESS STEEL WRAP AROUND OPENING	1116
1119A	72"	84"	1 3/4"	C1	HM	PNT	D2.2	06	HM	PNT	D3.1	14						1119A
1119B	72"	84"	1 3/4"	C1	HM	PNT	D2.1	06	HM	PNT	D3.1	02			KRM			1119B
1119C	36"	84"	1 3/4"	C1	HM	PNT		01	HM	PNT		32	YES					1119C
1120	44"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	08	YES					1120
1121A	36"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	09	YES					1121A
1121B	36"	84"	1 3/4"	C1	HM	PNT		02	HM	PNT		13A				SMOKE		1121B
1121C	72"	96"	2"	C119	AL	ANO	D2.1	--	--	--	--	30					INSULATED, MOTORIZED, WEATHER SEALS ALL AROUND	1121C
1122A	36"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	04						1122A
1122B	96"	120"	1 1/2"	C118	AL	ANO	D2.1	--	--	--	--	30					WEATHER SEALS ALL AROUND	1122B
1124	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	11						1124
1125	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	26						1125
1126	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	19						1126
1127	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	26						1127
1128A	44"	84"	1 3/4"	C1	HM	PNT		02	HM	PNT		12						1128A
1128B	44"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	06						1128B
1129	72"	84"	1 3/4"	C1	HM	PNT	D2.1	06	HM	PNT	D3.1	04	YES		FIX			1129
1130	72"	84"	1 3/4"	C1	HM	PNT	D2.2	06	HM	PNT	D3.1	15			NONE			1130
1132	72"	84"	1 3/4"	C1	HM	PNT	D2.2	06	HM	PNT	D3.1	15			NONE			1132
1134A	36"	84"	1 3/4"	C1	HM	PNT		02	HM	PNT		13A						1134A
1134B	72"	96"	2"	C119	AL	ANO		--	--	--		07					INSULATED, MOTORIZED, WEATHER SEALS ALL AROUND	1134B
1134C	36"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	06A						1134C
1200A	36"	86"	2"	G	AL	ANO	D4	29	AL	ANO	D4	A02	YES		FIX			1200A
1200B	36"	86"	2"	G	AL	ANO	D4	29	AL	ANO	D4	A04			FIX			1200B
1200C	72"	86"	2"	G	AL	ANO	D4	37	AL	ANO	D4	A09			NONE			1200C
1201	35 13/16"	94"	2"	H	AL	ANO	D4	35	AL	ANO	D4	A13						1201
1203	36"	94"	2"	F	AL	ANO	D4	25	AL	ANO	D4	A12						1203
1204A	36"	86"	2"	G	AL	ANO	D4	30	AL	ANO	D4	A15						1204A
1204B	36"	86"	2"	G	AL	ANO	D4	30	AL	ANO	D4	A15						1204B
1204C	216"	120"	1 1/2"	M	AL	ANO	D4	--	--	--	--	30					MOTORIZED, CONT PRESSURE KEY SWITCH	1204C
1206	36"	94"	2"	H	AL	ANO	D4	35	AL	ANO	D4	A13						1206
1207	36"	86"	2"	F	AL	ANO	D4	25	AL	ANO	D4	A12						1207
1209	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.2	17						1209
1211	36"	84"	1 3/4"	C1	HM	PNT		02	HM	PNT		10						1211
1212	96"	84"	1 3/4"	C112	HM	PNT		06	HM	PNT		14A			KRM	90 Min.	MAG HOLD OPEN. KEY RELEASE	1212
1214A	36"	86"	2"	G	AL	ANO	D4	26	AL	ANO	D4	A02	YES		FIX			1214A
1214B	36"	86"	2"	G	AL	ANO	D4	26	AL	ANO	D4	A04			FIX			1214B
1214C	74"	86"	2"	G	AL	ANO	D4	26	AL	ANO	D4	A09			NONE			1214C
1215A	36"	84"	1 3/4"	A	WD	WD	D1	02	HM	PNT	D3.1	32	YES					1215A
1215B	36"	86"	2"	H	AL	ANO	D4	34	AL	ANO	D4	A14						1215B
1215C	36"	86"	2"	G	AL	ANO	D4	20	AL	ANO	D4	A02						1215C
1216A	36"	86"	2"	G	AL	ANO	D4	28	AL	ANO	D4	A04			FIX			1216A
1216B	36"	86"	2"	G	AL	ANO	D4	28	AL	ANO	D4	A05			FIX			1216B
1218	72"	84"	1 3/4"	C1	HM	PNT	D2.2	04	HM	PNT	D3.1	16			NONE			1218
1219	44"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	06						1219
1221	96"	84"	1 3/4"	C1	HM	PNT		06	HM	PNT		14B			KRM		MAG HOLD OPEN. KEY RELEASE	1221
1222	36"	84"	1 3/4"	C1	HM	PNT		02	HM	PNT		10						1222
1224	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.2	17						1224
1226A	36"	86"	2"	G	AL	ANO	D4	29	AL	ANO	D4	A02	YES		FIX			1226A
1226B	36"	86"	2"	G	AL	ANO	D4	29	AL	ANO	D4	A04			FIX			1226B
1226C	72"	86"	2"	G	AL	ANO	D4	37	AL	ANO	D4	A09			NONE			1226C
1300A	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A02	YES		FIX			1300A
1300B	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A04			FIX			1300B
1300C	72"	86"	2"	G	AL	ANO	D4	32	AL	ANO	D4	A09			NONE			1300C
1302	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1302
1303	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1303
1304	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1304
1305	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1305
1307	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1307
1308	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1308
1309	36"	84"	1 3/4"	E	HM	PNT	D2.1	01	HM	PNT	D3.1	33						1309
1310	36"	84"	1 3/4"	C1	HM	PNT	D2.1	02	HM	PNT	D3.1	26						1310
1313A	36"	86"	2"	F	AL	ANO	D4	27	AL	ANO	D4	A16						1313A
1313B	36"	86"	2"	G	AL	ANO	D4	33	AL	ANO	D4	A03B	YES				ACCESS CONTROL ON INTERIOR AND EXTERIOR. DELAYED EGRESS	1313B
1314	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	22						1314
1315	36"	86"	2"	F	AL	ANO	D4	27	AL	ANO	D4	A16						1315
1316	36"	94"	2"	H	AL	ANO	D4	36	AL	ANO	D4	A13						1316
1317	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1317
1318	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1318
1400A	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A02	YES		FIX			1400A
1400B	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A04			FIX			1400B
1400C	72"	86"	2"	G	AL	ANO	D4	32	AL	ANO	D4	A09			NONE			1400C
1402	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1402
1403	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1403
1404	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1404
1405	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1405
1407	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1407
1408	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	21						1408
1410	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	26						1410
1411	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	27						1411
1413A	35 1/2"	86"	2"	F	AL	ANO	D4	27	AL	ANO	D4	A16						1413A
1413B	36"	86"	2"	G	AL	ANO	D4	33	AL	ANO	D4	A03B	YES				ACCESS CONTROL ON INTERIOR AND EXTERIOR. DELAYED EGRESS	1413B
1414	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	22						1414
1415	32 3/4"	86"	2"	F	AL	ANO	D4	27	AL	ANO	D4	A16						1415
1416	36"	94 1/2"	2"	H	AL	ANO	D4	36	AL	ANO	D4	A13						1416
1417	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1417
1418	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1418
1500A	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A02	YES		FIX			1500A
1500B	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A04			FIX			1500B
1500C	72"	86"	2"	G	AL	ANO	D4	32	AL	ANO	D4	A09			NONE			1500C
1502	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1502
1503	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1503
1504	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1504
1505	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1505
1507	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1507
1508A	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1508A
1508B	36"	84"	1 3/4"	C1	HM	PNT		02	HM	PNT		26						1508B
1510	36"	84"	1 3/4"	C2	HM	PNT		02	HM	PNT		32	YES			90 Min.		1510
1513	36"	94 1/2"	2"	H	AL	ANO	D4	36	AL	ANO	D4	A13						1513
1514A	36"	86"	2"	F	AL	ANO			AL	ANO		A16						1514A
1514B	36"	86"	2"	G	AL	ANO	D4	33	AL	ANO	D4	A03A	YES					1514B
1515	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	18						1515
1516	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1516
1517	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1517
1600A	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A02	YES		FIX			1600A
1600B	36"	86"	2"	G	AL	ANO	D4	31	AL	ANO	D4	A04			FIX			1600B

SCHEDULE - DOOR AND FRAME

DOOR NUMBER	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICK	DOOR ELEV. TYPE	DOOR MATERIAL	DOOR FACING/FINISH	DOOR PANEL FINISH TAG	FRAME ELEV. TYPE	FRAME MATERIAL	FRAME FINISH/FACING	FRAME FINISH TAG	HARDWARE GROUP	CARD READER	ADA ACCESS CONTROL	MULLION	LABEL (MIN.)	NOTES	DOOR NUMBER
1600C	72"	86"	2"	G	AL	ANO	D4	32	AL	ANO	D4	A09			NONE			1600C
1602	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1602
1603	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1603
1604	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1604
1605	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1605
1607A	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1607A
1608	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	20A						1608
1610	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	26						1610
1611	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	27						1611
1613A	36"	84"	2"	F	AL	ANO			AL	ANO		A16						1613A
1613B	36"	86"	2"	G	AL	ANO	D4	33	AL	ANO	D4	A03A	YES					1613B
1614	36"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	18						1614
1615	36"	84"	1 3/4"	C1	HM	PNT		01	HM	PNT		20						1615
1616	36"	94 1/2"	2"	H	AL	ANO	D4	36	AL	ANO	D4	A13						1616
1617	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1617
1618	36"	84"	1 3/4"	C1	HM	PNT	D2.2	01	HM	PNT	D3.1	21						1618
1619	36"	84"	1 3/4"	C1	HM	PNT		01	HM	PNT		20						1619
2201A	44"	84"	1 3/4"	C1	HM	PNT	D2.1	03	HM	PNT	D3.1	05					ROOF ACCES - 4 SIDED FRAME	2201A
2201B	48"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	13						2201B
2205A	44"	84"	1 3/4"	C2	HM	PNT	D2.1	03	HM	PNT	D3.1	05				90 Min.	ROOF ACCES - 4 SIDED FRAME	2205A
2205B	48"	84"	1 3/4"	C1	HM	PNT	D2.1	01	HM	PNT	D3.1	13						2205B

DOOR SCHEDULE NOTES

1. SEE SHEET A601 FOR DOOR & FRAME ELEVATIONS
2. SEE SHEET A400 FOR DOOR & FRAME FINISH DESIGNATIONS

VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

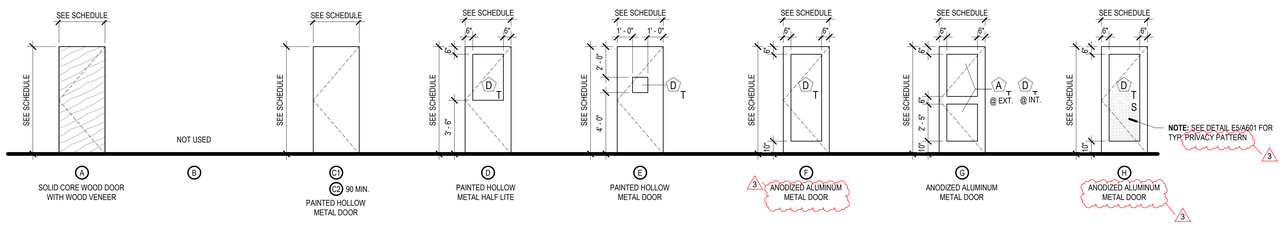
2900 WEST & 500 NORTH, TREMONTON, UTAH

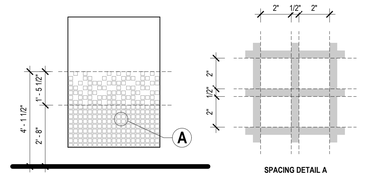
CONSTRUCTION DOCUMENTS

DOOR SCHEDULE

A600

7/23/2026 11:11:28 AM





E5 SANDBLASTED PATTERN DETAIL

SCALE: 3/8" = 1'-0"

DOOR & FRAME NOTES

1. MATERIAL ABBREVIATIONS:
   WD = WOOD
   AL = ALUMINUM
   HM = HOLLOW METAL
2. SEE SPECIFICATION FOR HARDWARE GROUP DEFINITION
3. ALL HOLLOW METAL FRAMES OPENING TO THE EXTERIOR ARE TO BE GALVANIZED
4. ALL HOLLOW METAL DOORS OPENING TO THE EXTERIOR ARE TO BE INSULATED AND GALVANIZED
5. OVERALL ALUMINUM FRAME DIMENSIONS ARE GIVEN FOR REFERENCE. REFER TO DETAILS FOR JAMB AND SILL CONDITIONS. OVERALL DIMENSIONS ARE TO BE FIELD VERIFIED.
6. GENERAL CONTRACTOR TO COORDINATE WORK BETWEEN DOOR INSTALLER AND SECURITY SYSTEM INSTALLER
7. WHERE A DOOR IS SHOWN ON THE FLOORS PLANS BUT IS NOT NUMBERED AND/OR DOES NOT APPEAR IN THE DOOR SCHEDULE, THE FOLLOWING DOOR, FRAME AND HARDWARE ARE TO BE BID FOR THIS OPENING: DOOR TYPES H, FRAME TYPE 27, HARDWARE TYPE 34.

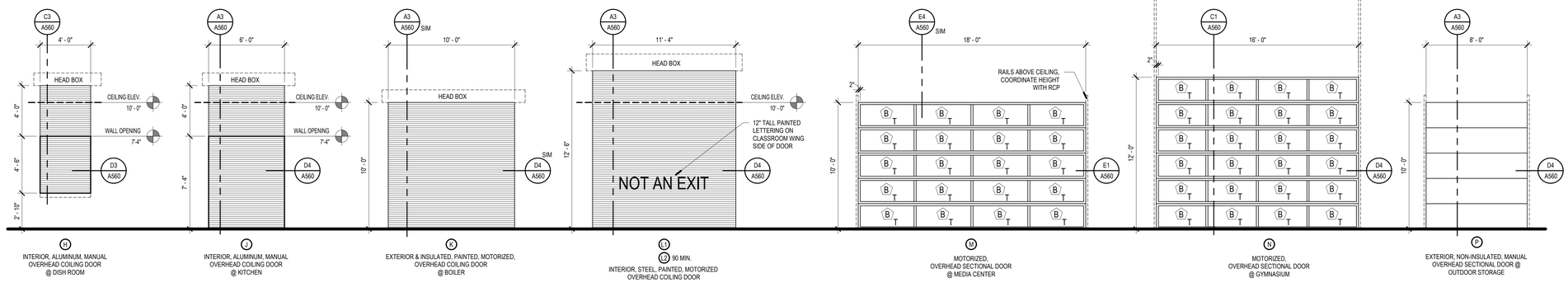
GLAZING TYPE LEGEND

MARK	DESCRIPTION
A	1" INSULATED GLASS , LOW-E SOLAR BAN 70 XL
B	1/2" INSULATED GLASS
C	1" INSULATED FROSTED GLASS , LOW-E SOLAR BAN 70 XL
D	1/4" CLEAR FLOAT GLASS
E	MAGNETIC WRITEABLE SURFACE OVER 3/4" PLYWOOD, AND PLASTIC LAMINATE ON SECOND SURFACE WITH VINYL GRAPHIC - SEE SIGNAGE SCHEDULE
F	1/2" CLEAR LAMINATED GLASS
#T	'T' INDICATES TEMPERED GLASS
#I	'I' INDICATES SECURITY GLAZING
#S	'S' INDICATES SANDBLAST

NOTE:
WINDOW TYPE QUANTITIES PROVIDED FOR CONVENIENCE. THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE QUANTITIES OF EACH WINDOW TYPE.

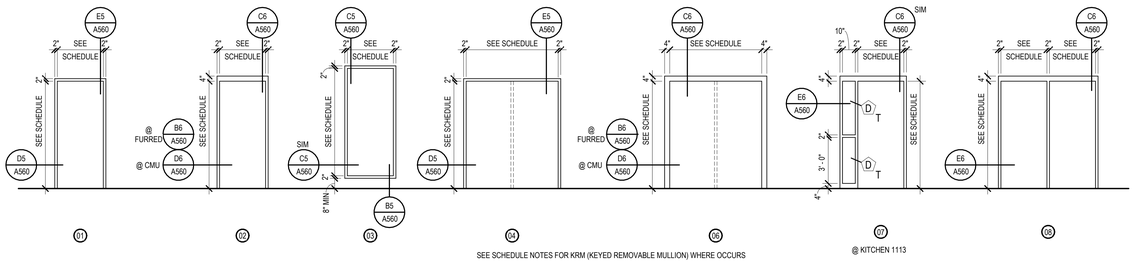
E1 DOOR PANEL TYPES

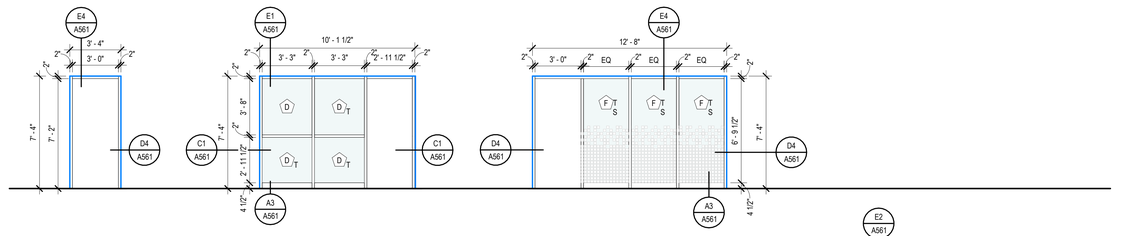
SCALE: 1/4" = 1'-0"



D1 OVERHEAD DOOR TYPES

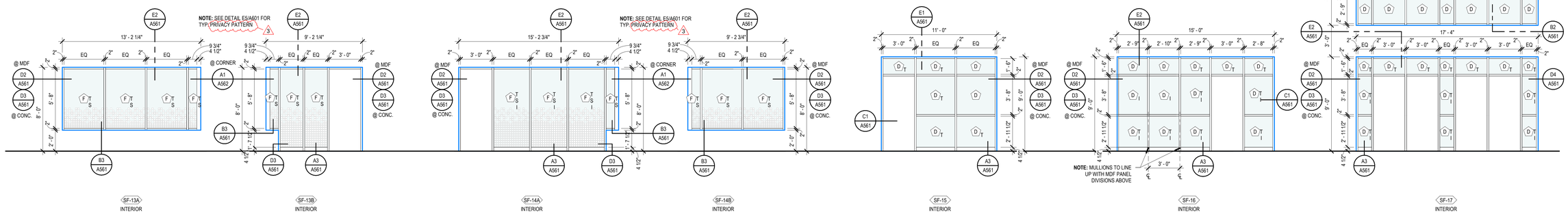
SCALE: 1/4" = 1'-0"





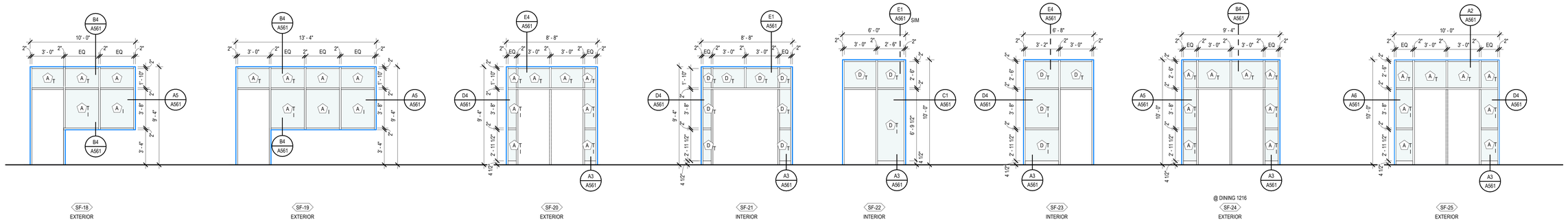
C1 HM DOOR FRAMES

SCALE: 1/4" = 1'-0"



A1 ALUMINUM DOOR FRAMES

SCALE: 1/4" = 1'-0"



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SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

REV	DATE	DESCRIPTION
3	2026.07.23	ADD 003

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

DOOR TYPES + ELEVATIONS

A601

7/23/2026 11:12:02 AM

25315 - BESD TREMONTON ELEMENTARY
2900 West 500 North Tremonton, UT

Project No. 25315

Addendum **CADD-3.0**

To: DWA Construction
76 W 2400 N, North Logan, UT 84341

Reason: Coordination

Date: **Thu July 23, 2026**

ADDENDUM 003

Civil:

Civil Addendum 03
07/23/2026

See the attached narrative and drawing from Meridian Eng.

END OF CADD-3.0

Issued By: **Meridian Engineering Inc:** Nichole Luthi

cc:

Gerald Jackman	Box Elder School District (BESD)	gerald.jackman@besd.net
Nathan Hansen	DWA Construction	dwanate.h@dwaconstruct.com
Nathan Tilley	DWA Construction	nathan.t@dwaconstruct.com
Shane Wilde	DWA Construction	shanew@dwaconstruct.com
Wayne Anderson	DWA Construction	wayne.a@dwaconstruct.com
Marlow Vasquez	Ensign Engineering	mvasquez@ensignutah.com
Scott Roche	Ensign Engineering	sroche@ensignutah.com
Jacob Lewis	Meridian Engineering Inc	jlewis@meiamerica.com
Nichole Luthi	Meridian Engineering Inc	nluthi@meiamerica.com
Brian Ramos	Resolut (Formerly VBFA + BNA)	bramos@resolutgroup.com
Drayton Bailey	Resolut (Formerly VBFA + BNA)	dbailey@resolutgroup.com
Eric Skinkis	Resolut (Formerly VBFA + BNA)	eskinkis@resolutgroup.com
Zachary Edgren	Resolut (Formerly VBFA + BNA)	zedgren@resolutgroup.com
Breanna Bonsavage	VCBO Architecture	bbonsavage@vcbo.com
Justen Christensen	VCBO Architecture	jrchristensen@vcbo.com
Pamela Irvine	VCBO Architecture	pirvine@vcbo.com
Samuel Riley	VCBO Architecture	sriley@vcbo.com
Mack Moulton	Van Boerum & Frank Associates (Now Resolut)	mmoulton@resolutgroup.com
Spencer Howell	Van Boerum & Frank Associates (Now Resolut)	showell@resolutgroup.com

Addendum #3

To:	Breanna Bonsavage VCBO Architecture 524 S 600 E, Salt Lake City, UT 84102
CC:	Nichole Luthi, PE
From:	Jacob Booth, EIT
Date:	7/21/2026
Subject:	BESD Tremonton Elementary – Addendum #3
Project No.	#25397

Addendum #3
C100 • Updated the concrete sidewalk Detail D Note 2 to say either sawcut or chamfer score lines can be used. Please see the attached civil drawings for the above mentioned revisions. Let us know if you have any questions or comments. Thank you, Jacob Booth

Meridian Engineering, Inc.
1628 West 11010 South, Suite 102 • South Jordan, Utah 84095
Phone: 801.569.1315 • Fax: 801.569.1319

GENERAL NOTES

SPECIAL PROJECT NOTE:

- ALL CONSTRUCTION ACTIVITY WITHIN STREET ROW AND FOR SITE WATER LINES AND SEWER LINES SHALL CONFORM TO TREMONTON CITY STANDARD PLANS AND "APWA MANUAL OF STANDARD PLANS" LATEST EDITION AND THE DEVELOPMENT GUIDELINES AND SPECIFICATIONS. CONTRACTOR SHALL OBTAIN COPIES OF SAID CITY STANDARDS AND APWA STANDARDS PRIOR TO CONSTRUCTION.

- CONTRACTOR SHALL COLLECT SURVEY-QUALITY AS-BUILT INFORMATION FOR ALL INSTALLED SITE UTILITIES, INCLUDING WATERLINES, SANITARY SEWER LINES, STORM DRAIN LINES, AND DETENTION/RETENTION PONDS. AS-BUILT DATA SHALL INCLUDE SURVEY GRADE HORIZONTAL LOCATION AND RIM AND INVERT ELEVATIONS AT ALL STRUCTURES, FITTINGS, BENDS, SERVICES, AND OTHER CRITICAL POINTS NECESSARY TO ACCURATELY DOCUMENT THE INSTALLATION. THE REQUIRED AS-BUILT SURVEY SHALL BE PERFORMED AFTER BACKFILL AND PRIOR TO COVERING OF THE UTILITIES WITH ANY FINAL PAVEMENTS OR SURFACE IMPROVEMENTS, AND THEN SUBMITTED TO THE ENGINEER OF RECORD FOR UP TO TWO WEEKS OF TIME TO REVIEW SO THAT ANY DEVIATIONS FROM THE APPROVED PLANS CAN BE IDENTIFIED AND CORRECTED. CONTRACTOR SHALL MAINTAIN AN ONGOING REVIEW AND ANALYSIS OF THE AS-BUILT INFORMATION THROUGHOUT CONSTRUCTION TO VERIFY THAT UTILITIES ARE BEING INSTALLED IN CONFORMANCE WITH THE APPROVED DESIGN AND TO ALLOW TIMELY CORRECTION OF ANY DISCREPANCIES. COMPILATION OF THE FINAL AS-BUILT INFORMATION AND THE ASSOCIATED CONTRACTOR ANALYSIS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD PRIOR TO THE PUNCHLIST PHASE. ADDITIONAL INTERIM SUBMITTALS ARE NOT REQUIRED UNLESS REQUESTED BY THE ENGINEER OF RECORD. ANY DEVIATIONS IDENTIFIED DURING CONSTRUCTION SHALL BE ADDRESSED AND CORRECTED PRIOR TO PLACEMENT OF FINAL PAVEMENT.

GENERAL

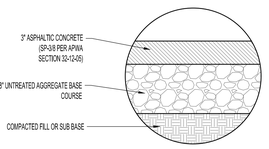
1. ANY MODIFICATION TO THIS CONSTRUCTION PACKAGE SHALL BE APPROVED BY THE OWNER, PRIOR TO SAID APPROVAL, ALL IMPROVEMENT DRAWINGS SHALL BE RESUBMITTED AND APPROVED BY THE CITY ENGINEER.
2. THE CONTRACTOR SHALL LOCATE, RETAIN AND PROTECT ALL EXISTING UTILITIES UNLESS OTHERWISE DIRECTED BY THE ENGINEER, EXISTING GAS, TELEPHONE, POWER, OR WATERLINES WHICH MUST BE RELOCATED OR LOWERED FOR NEW GRAVITY LINES WILL BE COMPLETED BY THE CONTRACTOR TO THE UTILITY COMPANY SPECIFICATIONS.
3. ALL SUITABLE EXCAVATION MATERIAL MAY BE STOCKPILED ON LANDSCAPE AREAS (NOT OVER 5' DEEP) AND GRADED TO DRAIN. EXCESS TOPSOIL SHALL BE REMOVED AND STORED AS INDICATED ON THE LANDSCAPE PLANS. SUITABLE MATERIAL IS DEFINED IN THE PROJECT GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT AS WELL AS CITY EARTHWORK SPECIFICATIONS. ALL EARTHWORK SHALL BE COMPLIANT WITH THESE DOCUMENTS. IF CITY SPECIFICATIONS AND THE GEOTECHNICAL REPORT ARE IN CONFLICT REFER TO THE CITY ENGINEER FOR DIRECTION ON WHICH REQUIREMENTS MUST BE FOLLOWED IN THE FIELD.
4. TRACER TAPE SHALL BE PLACED ABOVE ALL SEWER, PVC ROOF DRAIN LINES, WATER AND SECONDARY WATER LINES PER CITY AND DISTRICT STANDARD SPECIFICATIONS. TRACER WIRE SHALL BE INSTALLED OVER THE WATER LINES.
5. ALL EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY, AS INDICATED ON THE C200 SHEET. CONTRACTOR SHALL NOTIFY BLUE STAKES 48 HOURS IN ADVANCE OF ANY CONSTRUCTION. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL UTILITY CONFLICTS UPON DISCOVERY.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BACKFILLING, COMPACTING, AND PAVEMENT RESTORATION WHERE NECESSARY TO INSTALL NEW UTILITIES OR NEW IMPROVEMENTS PER CITY STANDARDS IN EXISTING ROADWAYS.
7. CONTRACTOR SHALL PROVIDE CITY INSPECTOR WITH CONSTRUCTION SCHEDULE AFTER SAID SCHEDULE HAS BEEN APPROVED BY OWNER.
8. CONTRACTOR SHALL COORDINATE CONSTRUCTION DEMOLITION AND INSTALLATION OF ELECTRICAL, AND COMMUNICATION SERVICES WITH THE UTILITY COMPANY. OWNER SHALL PAY ALL ASSOCIATED UTILITY COMPANY FEES. CONTRACTOR TO PROVIDE ELECTRICAL LINE OR COMMUNICATION TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH POWER AND COMMUNICATION COMPANY. ALL DEMOLITION OF EXISTING AND PROPOSED NEW SITE ELECTRICAL EQUIPMENT STRUCTURES AND LINES SHOWN ON CIVIL PLANS ARE SCHEMATICALLY SHOWN ONLY AS A COORDINATION BETWEEN ELECTRICAL AND CIVIL. PLEASE REFER DIRECTLY TO ELECTRICAL PLANS FOR THE LAYOUT AND DETAILS OF ALL SITE ELECTRICAL EQUIPMENT AND LINES.
9. CONTRACTOR TO KEEP A SET OF NEAT PLANS ON WHICH ALL CHANGES HAVE BEEN CLEARLY SHOWN; THIS SET OF REDLINES SHALL BE TURNED IN TO THE ARCHITECT.
10. CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO ANY WORK.
11. ALL UTILITY STRUCTURES WITHIN PAVEMENT SHALL BE RAISED TO ACCURATE FINISHED GRADE WITH A CONCRETE COLLAR, SEE DETAIL ON THIS SHEET.
12. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS, BONDS, AND APPROVALS HAVE BEEN OBTAINED. ALL PERMIT AND BOND FEES ARE TO BE PAID BY THE OWNER.
13. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED, AND THOROUGHLY REVIEWED, ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
14. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE CURRENT REQUIREMENTS AND DEVELOPMENT STANDARDS OF THE CITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND SHALL TAKE PRECEDENCE IN CASE OF CONFLICT UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE SOILS REPORT AND PLANS ETC.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST AND EROSION CONTROL, CLEANING STREET AND OTHER SWPP REGULATIONS.
16. ALL EXISTING ASPHALT TO REMAIN SHALL BE SAW CUT IN NEAT, STRAIGHT LINES BY THE CONTRACTOR PRIOR TO EXCAVATION.
17. NO CHANGE IN DESIGN LOCATIONS OR GRADE WILL BE MADE BY THE CONTRACTOR WITHOUT THE WRITTEN APPROVAL OF THE OWNER AND ENGINEER.
18. CONTRACTOR SHALL NOT ALLOW ANY GROUND WATER, SURFACE WATER, ANIMALS, OR DEBRIS TO ENTER NEW PIPING DURING CONSTRUCTION.
19. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT ALL NEW FACILITIES DURING THE CONSTRUCTION PERIOD UNTIL THE DESIGN GRADE AND COVER HAVE BEEN REACHED AND WORK HAS BEEN ACCEPTED BY OWNER.
20. CONTRACTOR IS TO REMAIN WITHIN THE CONTRACT LIMITS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT SURFACE IMPROVEMENTS DURING CONSTRUCTION.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY SETTLEMENT OF, OR DAMAGE TO, EXISTING AND NEW UTILITIES AND FACILITIES, INCLUDING WORK DONE WITHIN THE WARRANTY PERIOD.
22. ALL ONSITE PAVEMENT SECTIONS, GRADING, EXCAVATION, BACKFILLING, AND OTHER EARTHWORK OPERATIONS SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS PREPARED FOR THIS PROJECT, STRUCTURAL FILL, BEDDING, IMPORTED BACKFILL, GRANULAR SUBBASE, BASE COURSE AND ASPHALTIC CONCRETE MATERIALS SHALL MEET THE REQUIREMENTS OUTLINED IN THE PROJECT SPECIFICATIONS. ALL EARTHWORK AND PAVING IN CITY R.O.W. SHALL MEET CITY SPEC'S.
23. COORDINATE GAS INSTALLATION WITH THE GAS COMPANY. GAS COMPANY WILL ROUTE GAS TO THE METER LOCATION SHOWN ON THE PLANS. ACCOMMODATE GAS COMPANY CONTRACTOR ON SITE DURING GAS LINE INSTALLATION.
24. SEE SHEET C200 FOR SURVEY CONTROL. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING THAT MAY BE NEEDED TO COMPLETE THE JOB.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS AND TRAFFIC PERMITS AND TRAFFIC CONTROL PLANS FOR ALL WORK IN CITY R.O.W. (EXISTING AND NEW ROADWAYS) PRIOR TO BEGINNING WORK.
26. CONTRACTOR SHALL COORDINATE CONSTRUCTION AND INSTALLATION OF ELECTRICAL, TELEPHONE, NATURAL GAS, AND SERVICES WITH THE UTILITY COMPANY. ASSOCIATED UTILITY COMPANY FEES WILL BE PAID AS OUTLINED IN CONTRACT GENERAL CONDITIONS. CONTRACTOR TO PROVIDE ELECTRICAL AND TELEPHONE LINE TRENCHING AND BACKFILL. COORDINATE LOCATIONS WITH ROCKY MOUNTAIN POWER AND CENTURY LINK. COORDINATE AND SCHEDULE WITH ENBRIDGE GAS, CENTURY LINK, AND ROCKY MOUNTAIN POWER FOR CONNECTION OF THESE UTILITIES TO THE NEW BUILDING. GAS, TELEPHONE AND POWER ALL MUST BE EXTENDED TO THE SITE FROM THE NEW DEVELOPMENT IN THE AREA. COORDINATE WITH THESE UTILITIES FOR LOCATION OF THESE NEW EXTENSIONS.
27. THE USE OF MOTOR OILS AND OTHER PETROLEUM-BASED OR TOXIC LIQUIDS, FOR DUST SUPPRESSION, IS ABSOLUTELY PROHIBITED.
28. NO DRIVEWAY SHALL BE CONSTRUCTED TO CONVEY STORM RUNOFF TOWARDS ANY BUILDING.
29. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, MAINTAINING, OR RESTORING ALL MONUMENTS AND MONUMENT REFERENCE MARKS WITHIN THE PROJECT SITE. CONTACT THE CITY OR COUNTY SURVEYOR FOR MONUMENT LOCATIONS AND CONSTRUCTION DETAILS.
30. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONFORMING TO LOCAL AND FEDERAL CODES GOVERNING SHORING AND BRACING OF EXCAVATIONS AND TRENCHES AND FOR THE PROTECTION OF WORKERS.
31. CONTACT FOR UTILITY COORDINATION INCLUDE:
    - SEWER- TREMONTON CITY PUBLIC WORKS: 435-257-9500
    - WATER- TREMONTON CITY PUBLIC WORKS: 435-257-9500
    - STORM- TREMONTON CITY PUBLIC WORKS: 435-257-9500
    - IRRIGATION- TREMONTON CITY PUBLIC WORKS: 435-257-9500
    - GAS- ENBRIDGE GAS: 800-323-5517
    - POWER- ROCKY MOUNTAIN POWER: 888-221-7070
32. CONTRACTOR TO COORDINATE INSTALLATION OF ALL LANDSCAPE SLEEVES PRIOR TO FORMING CONCRETE SIDEWALKS, RETAINING WALLS, SEAT WALLS OR STAIR WALLS. SEE LANDSCAPE PLANS.

SYMBOL LEGEND

- YARD HYDRANT
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- POST INDICATOR VALVE
- FIRE DEPARTMENT CONNECTION
- WATER CAP
- WATER TEE
- WATER CROSS
- WATER WYE
- WATER REDUCER
- WATER BENDS
- AREA DRAIN (SIZE PER PLAN)
- CATCH BASIN (SIZE PER PLAN)
- PRE-TREATMENT CURB INLET BOX (PRE-TREAT CIB)
- CURB INLET BOX (CIB)
- COMBO BOX (COMBO)
- STORM DRAIN FLARED END SECTION
- STORM DRAIN / SANITARY SEWER CLEANOUT
- 4'Ø STORM DRAIN /SANITARY SEWER MANHOLE
- 5'Ø STORM DRAIN /SANITARY SEWER MANHOLE
- ELECTRIC METER
- GAS METER
- LIGHT POLE
- DOUBLE LIGHT POLE
- CURB & GUTTER (24")
- CURB WALL (6")
- SPOT ELEVATION (33.05 TBC)
- HANDICAPPED PARKING
- STOP SAR
- PAVEMENT MARKING
- POWER POLE
- SIGN
- CLEANOUT BOX
- THREE CHAMBER PRE-TREATMENT BOX
- OVERFLOW BOX
- DECORATIVE SITE LIGHTING

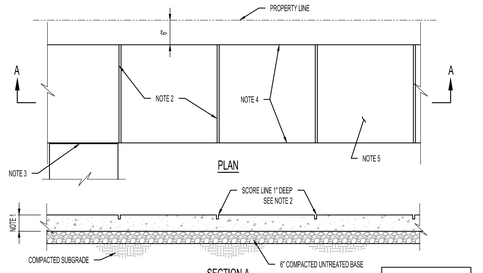
LINE LEGEND

PROPOSED	EXISTING	
		PROPERTY LINE
		LIMITS OF PROJECT
		MATCHLINE
		CENTERLINE
		SAW CUT LINE
4435	4405	MAJOR CONTOUR
4434	4404	MINOR CONTOUR
SS	SS	SANITARY SEWER PIPELINE
SD	SD	STORM DRAIN PIPELINE
		FOUNDATION DRAIN
T	T	TELEPHONE
W	W	WATER PIPELINE
IRR	IRR	SECONDARY WATER PIPELINE
G	G	GAS PIPELINE
P	P	BURIED POWER
CATV	CTV	CATV
FO	FO	FIBER OPTIC
RIDGE	RIDGE	RIDGE LINE
		FLOW LINE
X	X	FENCE
SF		SILT FENCE
		TEMPORARY SHORING
XX	XX	REMOVAL
		ABANDON



NOTES:
1. USE FOR PARKING AREAS OR OTHER LIGHT VEHICLE TRAFFIC.
2. PROOF ROLL NATURAL SUBGRADE PER SPEC'S.
3. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
4. ASPHALT MIX TO COMPLY WITH APWA SPECIFICATIONS.
5. STREET REPAIR IN CITY RIGHT OF WAY TO MEET CITY STANDARD.
6. IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

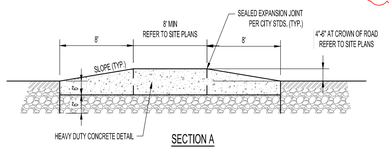
ASPHALT PAVEMENT SECTION (ON SITE ONLY) N.T.S. — A

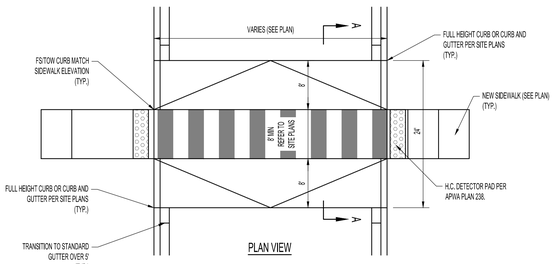


ONSITE ONLY. NOT FOR USE WITHIN CITY ROW.

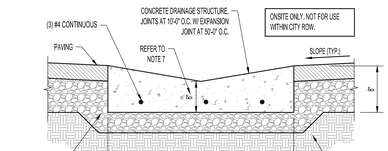
NOTES:
1. USE MONOLITHIC CONSTRUCTION 4" THICK EXCEPT AT DRIVEWAYS WHERE THICKNESS OF 6" IS REQUIRED.
2. SAWCUT OR CHAMFER SCORE LINES AT INTERVALS EQUAL TO 1 TIMES THE WIDTH OF THE SIDEWALK UNIFORMLY PLACED ALONG LENGTH OF SIDEWALK AFTER POUR. SAW CUTTING SHOULD BE DONE 4 TO 12 HOURS AFTER THE CONCRETE HAS BEEN FINISHED. IN HOT WEATHER EARLY-ENTRY DRY-CUT JOINTS SHOULD BE CUT 1 TO 4 HOURS AFTER FINISHING.
3. SIDEWALK EXPANSION JOINTS SHALL BE 20' ON CENTER MAXIMUM. THE EXPANSION JOINT SHALL INCLUDE ASPHALT IMPREGNATED FIBER EXPANSION MATERIAL. THE CONTRACTOR WILL USE BOND BREAKER TAPE WITH POLYURETHANE JOINT SEALANT TO A DEPTH OF 3/8".
4. EDGE SIDEWALK WITH 1/2" RADIUS EDGING TOOL. ROUND EDGES AT EXPANSION JOINTS TO A RADIUS OF 1/2".
5. USE HAIR-BROOM BRUSH TO FINISH SIDEWALKS.
6. OVER NEWLY BACKFILLED TRENCHES, PLACEMENT OF 3-#3 #4 BARS IN SIDEWALK IS REQUIRED.
7. REMOVE NON-ENGINEER FILL BELOW SIDEWALK AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE WITH STRUCTURAL FILL.
8. ALL CONCRETE SIDEWALK SLABS SHALL BE DOWELED TO ADJACENT SLABS WITH REBAR DOWELS AT EXPANSION JOINTS OR ANY BREAK IN THE POUR. DOWELS ARE TO BE EVENLY SPACED WITH MAXIMUM DISTANCE BETWEEN DOWELS NOT TO EXCEED 24". REBAR DOWELS MUST BE #4 OR LARGER AND AT LEAST 24" LONG. DOWELS MUST BE EMBEDDED AT LEAST 3" DEEP AND NO CLOSER THAN 6" FROM THE EDGE OF THE SLAB.

CONCRETE SIDEWALK N.T.S. — D





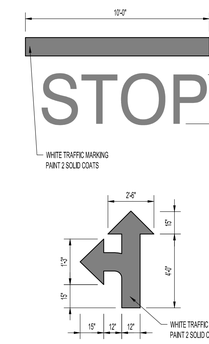
RAISED CROSSWALK N.T.S. — G



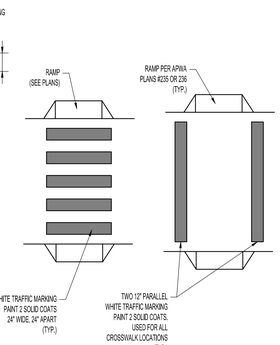
SIMILAR TO APWA PLAN #221

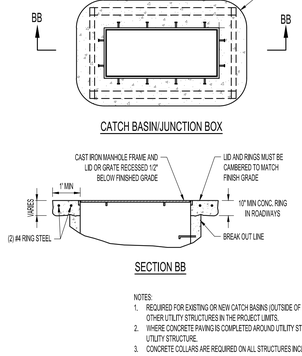
NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
4. REMOVE NON-ENGINEERED FILL BELOW CURB AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 312000 FOR SUBGRADES PREPARATION OVEREXCAVATION REQUIREMENTS.
5. ALL COLD JOINTS ON SITE NEED TO BE DOWELED.
6. WHEN PAVEMENT IS PLACED ON 3 FEET OR MORE OF SITE FILL, THE GENERAL SITE FILL SHOULD MEET THE REQUIREMENTS OUTLINED IN THE EARTH MOVING SPEC. THE TOP 24" OF FILL MUST BE STRUCTURAL FILL WITH MIRAFI RS280I OR APPROVED EQUIVALENT FOR STABILIZATION FABRIC OVER THE STRUCTURAL FILL TO GET TO SUBGRADE. FABRIC SHOULD BE PLACED OVER RELATIVELY LEVEL SURFACES. ABRUPT ELEVATION CHANGES SHOULD BE SMOOTHED.
7. FOR MODIFIED 3' WATERWAY SURROUNDING PLAY STRUCTURE, DIMENSION SHOULD BE 7"

3' WATERWAY N.T.S. — H



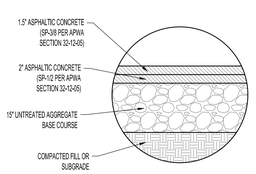
PAINTED TRAFFIC MARKINGS N.T.S. — K





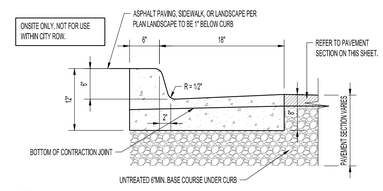
NOTES:
1. REQUIRED FOR EXISTING OR NEW CATCH BASINS (OUTSIDE OF C&G), CLEAN OUTS, VALVES OR MANHOLES AND ALL OTHER UTILITY STRUCTURES IN THE PROJECT LIMITS.
2. WHERE CONCRETE PAVING IS COMPLETED AROUND UTILITY STRUCTURE, USE REINFORCEMENT SHOWN AROUND THE UTILITY STRUCTURE.
3. CONCRETE COLLARS ARE REQUIRED ON ALL STRUCTURES INCLUDING IN LANDSCAPE AREAS.

CONCRETE RING AROUND SURFACE UTILITY STRUCTURES N.T.S. — L



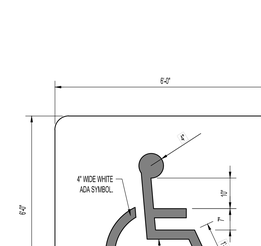
NOTES:
1. USE FOR SITE ROADWAYS AND BUS AREAS, AND OTHER HEAVY TRAFFIC AREAS. AS INDICATED BY HATCH ON CIVIL SITE LAYOUT PLAN.
2. PROOF ROLL NATURAL SUBGRADE PER SPEC'S.
3. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
4. ASPHALT MIX TO COMPLY WITH APWA SPECIFICATIONS.
5. STREET REPAIR IN CITY RIGHT OF WAY TO MEET CITY STANDARD.
6. IF EXISTING PAVEMENT IS PULVERIZED AND MIXED WITH NEW BASE COURSE MATERIAL, THE ASPHALT THICKNESS SHALL BE INCREASED 1/2" OVER THE RECYCLED ASPHALT BASE COURSE MIXTURE.

HEAVY DUTY ASPHALT PAVEMENT SECTION (ON SITE ONLY) N.T.S. — B



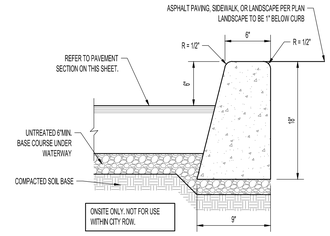
NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT ALL BC AND EC POINTS. PLACE CONTROL JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
4. REMOVE NON-ENGINEERED FILL BELOW CURB AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 312000 FOR SUBGRADES PREPARATION OVEREXCAVATION REQUIREMENTS.
5. ALL COLD JOINTS ON SITE NEED TO BE DOWELED.
6. WHEN PAVEMENT IS PLACED ON 3 FEET OR MORE OF SITE FILL, THE GENERAL SITE FILL SHOULD MEET THE REQUIREMENTS OUTLINED IN THE EARTH MOVING SPEC. THE TOP 24" OF FILL MUST BE STRUCTURAL FILL WITH MIRAFI RS280I OR APPROVED EQUIVALENT FOR STABILIZATION FABRIC OVER THE STRUCTURAL FILL TO GET TO SUBGRADE. FABRIC SHOULD BE PLACED OVER RELATIVELY LEVEL SURFACES. ABRUPT ELEVATION CHANGES SHOULD BE SMOOTHED.

24" CURB & GUTTER N.T.S. — E



NOTES:
1. USE AS INDICATED BY HATCH ON CIVIL SITE LAYOUT PLAN.
2. PROOF ROLL NATURAL SUBGRADE PER SPEC'S.
3. PAVEMENT CONSTRUCTION DURING WET PERIODS WILL REQUIRE 12" OF GRANULAR FILL MATERIAL PLACED DIRECTLY BELOW THE GRANULAR FILL SUBBASE LAYER. INSTALL GEOTEXTILE FABRIC (MIRAFI 600X OR EQUIVALENT) WHERE SUBGRADE COMPACTION IS NOT FEASIBLE. PROVIDE ADDITIONAL FILL & FABRIC IF NECESSARY FOR COMPLETION SCHEDULE AT NO ADDITIONAL COST TO OWNER.
4. SEALED EXPANSION JOINTS TO BE 1/2" DEEP. JOINT PATTERN AS OUTLINED ON ARCHITECTURAL SITE PLANS. 15' MAXIMUM SPACING
5. SEAL ALL EXPANSION JOINTS PER SPEC'S.
6. FOR DUMPSTER PAD INCREASE TO 6.5' CONCRETE AND REFER TO ARCHITECTURAL PLANS FOR REINFORCING.

CONCRETE PAVEMENT SECTION (ON SITE ONLY) N.T.S. — C



NOTES:
1. CONCRETE SHALL BE MONOLITHIC 4000 PSI @ 28 DAYS (6% AIR ENTRAINED).
2. PLACE EXPANSION-CONTRACTION JOINTS AT 10' INTERVALS.
3. PLACE JOINT FILLER STRIPS BETWEEN WALK AND CURB TO DEPTH OF CONCRETE PLUS ONE INCH WITH TIP SET FLUSH WITH TOP BACK OF CURB.
4. REMOVE NON-ENGINEERED FILL BELOW CURB AND 2' MINIMUM BEYOND THE EDGE OF CONCRETE AND REPLACE STRUCTURAL FILL. REFER TO SPEC. SECTION 312000 FOR SUBGRADES PREPARATION OVEREXCAVATION REQUIREMENTS.
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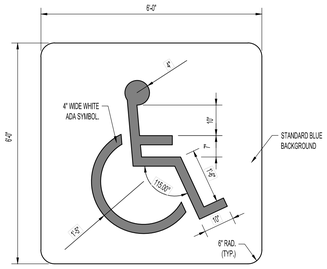
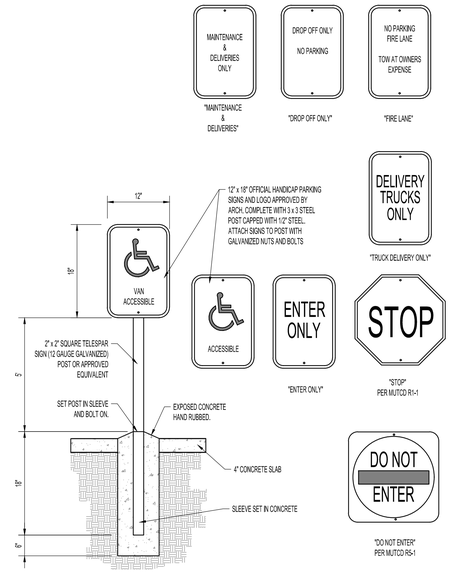
6. ALL COLD JOINTS NEED TO BE DOWELED.

6" CURB DETAIL N.T.S. — F



PAINTED ADA SYMBOL N.T.S. — I



NOTES:
1. ALL SIGNS TO CONFORM TO MUTCD 2009 STANDARDS.

SIGN DETAIL N.T.S. — J

VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: JUNE 25, 2026

MEI MERIDIAN ENGINEERING, INC.

STATE OF UTAH — NICHOLE LEE LUTH — 8023335 — 2026-06-25

REV	DATE	DESCRIPTION
1	7/21/2026	ADD 03

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UT 84337
BO

25315 - BESD TREMONTON ELEMENTARY
2900 West 500 North Tremonton, UT

Project No. 25315

Addendum **EADD-3.0**

To: DWA Construction
76 W 2400 N, North Logan, UT 84341

Reason: Coordination

Date: **Thu July 23, 2026**

This includes Mechanical & Electrical Addenda 003.0 items.

ADDENDUM 003

Electrical:

MEP Addendum 03
07/23/2026

See the attached narrative and drawings from Resolut for MEP addendum 03 items.

END OF EADD-3.0

Issued By: **Resolut (Formerly VBFA + BNA):** Zachary Edgren

cc:

Gerald Jackman	Box Elder School District (BESD)	gerald.jackman@besd.net
Nathan Hansen	DWA Construction	dwanate.h@dwaconstruct.com
Nathan Tilley	DWA Construction	nathan.t@dwaconstruct.com
Shane Wilde	DWA Construction	shanew@dwaconstruct.com
Wayne Anderson	DWA Construction	wayne.a@dwaconstruct.com
Marlow Vasquez	Ensign Engineering	mvasquez@ensignutah.com
Scott Roche	Ensign Engineering	sroche@ensignutah.com
Jacob Lewis	Meridian Engineering Inc	jlewis@meiamerica.com
Nichole Luthi	Meridian Engineering Inc	nluthi@meiamerica.com
Brian Ramos	Resolut (Formerly VBFA + BNA)	bramos@resolutgroup.com
Drayton Bailey	Resolut (Formerly VBFA + BNA)	dbailey@resolutgroup.com
Eric Skinkis	Resolut (Formerly VBFA + BNA)	eskinkis@resolutgroup.com
Zachary Edgren	Resolut (Formerly VBFA + BNA)	zedgren@resolutgroup.com
Breanna Bonsavage	VCBO Architecture	bbonsavage@vcbo.com
Justen Christensen	VCBO Architecture	jrchristensen@vcbo.com
Pamela Irvine	VCBO Architecture	pirvine@vcbo.com
Samuel Riley	VCBO Architecture	sriley@vcbo.com
Mack Moulton	Van Boerum & Frank Associates (Now Resolut)	mmoulton@resolutgroup.com
Spencer Howell	Van Boerum & Frank Associates (Now Resolut)	showell@resolutgroup.com

RESOLUT

TREMONTON ELEMENTARY SCHOOL

TREMONTON ADDENDUM 3: ELECTRICAL AND MECHANICAL

CHANGES TO SPECIFICATIONS:

SECTION 230900

1. REPLACE SECTION IN ITS ENTIRETY.

SECTION 275123

1. Adjusted specifications in sections 1.1, 1.2, 1.3, 2.4

1.1 VOIP LOUDSPEAKERS:

A. A. VoIP Ceiling Speaker Type IC4 (NQ-S1810CT-G2) & Speaker Type IW1 Wall Baffle Speaker (NQ-S1810WT-G2):

1. PoE (802.3af compliant) with built-in 10W amplifier.
2. Equipped with a digital MEMS microphone for full duplex talkback (utilizing the paper cone as the microphone is strictly prohibited).
3. Native CAN Bus 2.0 Interface support for the NQ-E7020 DCS.

1.2 CLASSROOM AUDIO SYSTEM (AUDIO ENHANCMENT) (PROVIDED IN SECTION 27 4100)

A. All-in-one wall mounted audio system with integrated amplifier, speakers and DECT 2-way wireless audio communication (1.9 GHz). IR systems are not acceptable.

B. Integrated two-way hybrid speaker system with exciter technology sound panel and low frequency cone driver.

C. XD Teacher Mic: Pendant-style wireless transmitter/microphone with volume control, breakaway lanyard, and rechargeable 3.7V Li-Ion battery pack.

D. XD Handheld Mic: Handheld wireless microphone for student pass-around use.

E. Wireless Media Connector: DECT (1.9 GHz) audio transmitter/receiver to integrate with classroom audio sources.

F. Interface: System must contain a 24/70V page mute function that passively detects the audio signal of a page coming through the PA system and immediately mutes all local audio.

1.3 AMPLIFIER AND LOUDSPEAKERS (COMMON ZONES):

A. Audio Paging/Program Amplifiers: Atlas Sound CP400, Powersoft Mezzo 322 A, Stewart Audio CVA25-1 70V, and/or Manufacturer's equivalent.

1. Power amplifier(s) shall be provided to provide a minimum of 2 watts of power to all paging loudspeakers, and 15 watts of power to all paging horns.
2. Any exterior zone shall be connected to a minimum of 200 watt amplifier channel.

B. Loudspeakers: AtlasIED and Quam loudspeaker assemblies are the basis of design. Intercom manufacturer equivalent loudspeakers are allowed if they meet the function and form of the loudspeakers listed below.

1. Type IC1: Atlas SD72W w/ 81-8R mounting ring and CS95-8 enclosure.
2. Type IC2: Atlas SD72W w/ 76-8 mounting ring and BMTT95-8 enclosure.
3. Type IC3: Open ceiling direct mount to structure loudspeaker with 10 oz. magnet and 5 watt 24/70V transformer.
4. Type IW2: Atlas AP-15T Exterior Horn with compression driver and 15 watt 24/70/100V transformer.

2.4 NYQUIST NETWORK APPLIANCES & BRIDGES:

A. Analog Station Bridge (NQ-E7030 ASB):

1. Support for up to 24 speakers and call switches with 120 Watts of embedded 25 Volt power (max 40W per channel).

2. Built-in CAN Bus 2.0 Interface for NQ-E7020 Digital Call Switch support.

B. Matrix Mixer Pre-Amplifier (NQ-P0100 MMPA):

1. Four software selectable MIC or Line Input channels via three XLR connectors and four sets of screw-terminals.

2. Channel-1 can be configured as a digital AES/EBU (AES3) input.

3. Line-Level output to drive input on local amplifiers in large common zones (Gym, Cafeteria).

C. Input/Output Controller (NQ-E7010 I/O):

1. PoE Class-1 powered. Provide Eight Dry Contact Closure Inputs (Fire Alarm Override, Lockdown Buttons) and Eight Relay Driver Outputs (Open-Collector).

D. Entry Door Phone NQ-EDP01:

1. VoIP Entry Door Phone shall be a Bogen Model NQ-EDP01. The IP-based entry door phone shall be compatible with PoE 802.11af. The entry door phone shall work as part of a Nyquist E7000 or C4000 series system and shall also be capable of operating in Standalone mode as a SIP endpoint connected to 3rd party systems.

2. PoE Class-1 powered. Located near delivery door.

CHANGES TO THE DRAWINGS:

SHEET M122

1. ADDED KEYED NOTE 7.

SHEET M601

1. ADDED NOTE 5 TO AIR HANDLER SCHEDULE.

SHEET M603

1. UPDATED WATER-COOLED CHILLER SCHEDULE.
2. ADDED HEAT EXCHANGER SCHEDULE.

SHEET P601

1. ADDED U-1 TO PLUMBING FIXTURE SCHEDULE.
2. ADDED L-1 TO PLUMBING FIXTURE SCHEDULE.

SHEET E005

1. EQUIPMENT ‘CT-1’ AND ‘CT-11-1’ ARE ONE IN THE SAME. ‘CT-1’ HAS BEEN REMOVED FROM THE EQUIPMENT SCHEDULE.

SHEET E111.2

1. ADDED KEYNOTE ‘10’: ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR AND COOLING TOWER MANUFACTURER TO DETERMINE ALL ELECTRICAL REQUIREMENTS ASSOCIATED WITH THE CT-1 VIBRATION SWITCH, INCLUDING POWER, CONTROL, ALARM, AND EQUIPMENT SHUTDOWN INTERLOCK WIRING. VERIFY CONTACT RATINGS, CONTROL VOLTAGE, POINTS REQUIRED FOR BAS/CONTROLS INTEGRATION, AND ANY MOTOR STARTER OR VFD INTERLOCK REQUIREMENTS. PROVIDE COMPLETE WIRING INSTALLATION AS REQUIRED FOR

PROPER SYSTEM OPERATION.
2. KEYNOTE ‘10’ SYMBOL ADDED TO ‘CT-11-1’ EQUIPMENT LOCATION.

SHEET: ET113.1 - AUDIOVISUAL PLAN - LEVEL 01 - AREA 3

1. CHANGED S65 DISPLAYS TO S75 DISPLAYS.
2. ADDED KEYNOTE 5 AND 6 TO SHEET KEYNOTES SCHEDULE.
3. ADDED KEYNOTE 5 AND 6 TO TYPICAL CLASSROOM.
4. ADDED HDU WITH KEYNOTE 5 TO ROOM FUNCTIONAL SKILLS 1308.

SHEET: ET114.1 - AUDIOVISUAL PLAN - LEVEL 01 - AREA 4

1. CHANGED S65 DISPLAYS TO S75 DISPLAYS.
2. ADDED KEYNOTE 5 AND 6 TO SHEET KEYNOTES SCHEDULE.
3. ADDED KEYNOTE 5 AND 6 TO TYPICAL CLASSROOM.

SHEET: ET115.1 - AUDIOVISUAL PLAN - LEVEL 01 - AREA 5

1. CHANGED S65 DISPLAYS TO S75 DISPLAYS.
2. ADDED KEYNOTE 5 AND 6 TO SHEET KEYNOTES SCHEDULE.
3. ADDED KEYNOTE 5 AND 6 TO TYPICAL CLASSROOM.

SHEET: ET115.1 - AUDIOVISUAL PLAN - LEVEL 01 - AREA 5

1. CHANGED S65 DISPLAYS TO S75 DISPLAYS.
2. ADDED KEYNOTE 5 AND 6 TO SHEET KEYNOTES SCHEDULE.
3. ADDED KEYNOTE 5 AND 6 TO TYPICAL CLASSROOM.
4. ADDED S86 DISPLAY TO ROOM PRE-SCHOOL 1508.

SHEET: ET202 - AUDIOVISUAL DIAGRAMS

1. REMOVED DIAGRAM CALLOUT IN CORRIDOR 1212.
2. EDITED DIAGRAM CALLOUT IN RECEIVING 1119.
3. EDITED KEYNOTE 11.

SHEET: ET402 - AUDIOVISUAL DIAGRAMS

1. ADDED DIAGRAM V208

PRIOR APPROVAL OF MANUFACTURERS OF MECHANICAL AND ELECTRICAL EQUIPMENT

The following items, trade names, products and manufacturers are approved for bidding. Approval does not relieve the bidder from satisfying the intent of the requirements of drawings, specifications and addenda in every respect. Failure to conform to the design quality and standards specified, established and required may result in later disapproval. If equipment must be disapproved after bidding, supplier shall supply specified equipment at no extra cost to the Owner.

Items are listed generally and specific model number, etc. shall be as submitted. Items submitted but not approved, either did not satisfy the requirements, or showed insufficient data, or arrived after the 8 day deadline established for submittals.

Item	**Manufacturer**
Expansion Tanks	Grundfos
Air Separators	Spirotherm
Hydronic Specialties	Red White Valve
Cooling Tower	Delta
Chemical Feed	JL Wingert
Fan Coil Units and Condensing Units	Mitsubishi, Trane
Boilers	Raypak
Test and Balance	Building Control Systems

END OF ELECTRICAL AND MECHANICAL ADDENDUM

SECTION 23 0900

BUILDING AUTOMATION SYSTEM

PART 1 - GENERAL

1.1 GENERAL CONDITIONS

A. The General Conditions, Supplementary General Conditions, alternates and addenda, applicable drawings and the technical specifications, shall all apply to all work under this division.

1.2 RELATED SECTIONS

A. This Section includes the Building Management System (BMS) control equipment for HVAC systems and components, including open protocol control components for terminal heating and cooling units. Depending on the scope of the project, the complete specification may have numerous sections that interface to this section.

1.3 STANDARD TERMS

A. Standard
1. ASHRAE: American Society Heating, Refrigeration, Air Conditioning Engineers
2. AHU: Air Handling Unit
3. BACnet: Building Automation Controls Network
4. BMS: Building Management System
5. DDC: Direct Digital Control
6. EIA: Electronic Industries Alliance
7. GUI: Graphical User Interface
8. HVAC: Heating, Ventilation, and Air Conditioning
9. IEEE: Institute Electrical Electronic Engineers
10. MER: Mechanical Equipment Room
11. PID: Proportional, Integral, Derivative
12. VAV: Variable Air Volume Box

B. Communications and protocols
1. ARP: Address Resolution Protocol
2. CORBA: Common Object Request Broker Architecture
3. CSMA/CD: Carrier Sense Multiple Access/Collision Detect
4. DDE: Dynamic Data Exchange
5. FTT: Free Topology Transceivers
6. HTTP: Hyper Text Transfer Protocol
7. IIOP: Internet Inter-ORB Protocol
8. LAN: Local Area Network
9. LON: Echelon Communication – Local Operating Network
10. MS/TP: Master Slave Token Passing
11. ODBC: Open DataBase Connectivity
12. ORB: Object Request Broker
13. SNVT: Standard Network Variables Types
14. SQL: Structured Query Language
15. UDP: User Datagram Protocol
16. XML: eXtensible Markup Language

C. Controllers
1. ASD: Application Specific Device
2. AAC: Advanced Application Controller
3. ASC: Application Specific Controller.

4. CAC: Custom Application Controller.
5. NSC: Network Server Controller
6. PPC: Programmable Process Controller
7. SDCU: Standalone Digital Control Units
8. SLC: Supervisory Logic Controller
9. UEC: Unitary Equipment Controller
10. VAVDDC: Variable Air Volume Direct Digital Controller

D. Tools and Software
1. CCDT: Configuration, Commissioning and Diagnostic Tool
2. BPES: BACnet Portable Engineering Station
3. LPES: LON Portable Engineering Station
4. POT: Portable Operator's Terminal

1.4 QUALIFICATIONS OF BIDDER AND PRE-BID SUBMITTAL

A. This building shall receive a complete direct digital control building automation system as an extension of the existing district wide controls.

B. All bidders must be authorized distributors or branch offices of the manufacturers specified.

C. The following bidders have been pre-qualified:

1. Schneider Electric by Utah Yamas Controls

D. Any installing contractors or manufacturers interested in participating as acceptable bidders for this project that are not pre-qualified shall furnish a detailed technical pre-bid submittal to the owner. All information must be submitted 2 weeks prior to the published bid date to allow the owner adequate time to review the bidder's credentials.

E. The Pre-Bid submittal shall contain the following information as a minimum:
1. Demonstrate compatibility with existing district wide controls.
2. A profile of the manufacturer and the local installation and service/organization.
3. Description of how the system meets and achieves all the specified criteria in terms of configuration, operation, and control.
4. System Architecture with single line riser diagram showing all major components (digital controllers, routers, hubs, etc.) that will be required for this project.
5. Procedure for commissioning and time required to startup and commission each of the systems for this project.
6. Contractors approach for the project planning and management.
7. Product Data Sheets for all components, DDC panels, and all accessories listed per the appropriate specification sections herein.
8. Examples of actual graphic screens for other similar projects.
9. Number and types of DDC panels required for this installation.
10. Number and types of spare points provided with the proposed system.
11. Recommended spare parts list for components with list price schedule.
12. List of 2 similar systems in size, point capacity, total installed value, installed and commissioned by the local office with a list of the installers/manufacturers design team members for each project and the owners contact information.
13. Samples of service offerings and a list of current similar service contracts with contact information.
14. Resumes for the management team and all employees who will be involved with the project design, commissioning, project management, and after installation service. Resumes should include copies of manufacturer's certifications for the proposed product line.
15. Copy of this Control Specification in its entirety with a check mark beside each paragraph to signify that the manufacturer's equipment and software shall fully conform to the specified requirement. If the requirement cannot be met, indicate the reasons/limitations and the alternative proposed.

16. An interview may be conducted and the bidder will be requested to make a formal presentation and mock-up demonstration concerning the proposed system and possibly provide an installed project tour prior to a final decision.

1.5 SYSTEM DESCRIPTION

A. A system of DDC automatic temperature controls shall be furnished and installed as a part of this contract to give the owner a completely operable system. Acceptable manufacturers and installers shall be Schneider Struxureware by Utah Yamas Controls Inc. of Sandy, Utah as an extension of the existing District Wide DDC system.

B. The system shall be as indicated on the drawings and specified herein. The building systems shall be entirely controlled by the DDC system. System shall include local DDC controllers mounted at each fan system, central cooling system, central heating system, VAV box, unit heaters and cabinet unit heaters. These local DDC controllers shall be interconnected by a 2-wire LAN (local area network) with a master/central DDC controller located in the Maintenance office. The master/central DDC controller, in turn, shall communicate with the existing school district host computer located in the district offices. The graphics on the computer shall display on separate, bit-mapped color screens each fan system, VAV box, unit heater, central heating system and central cooling system. Each screen shall have available for display in the appropriate location each input and output point monitored or generated by the DDC system. All digital output points shall have override capability. All screens shall be password protected so that sensitive data cannot be easily corrupted by inexperienced operators while allowing complete access to trained maintenance personnel. All of the above screens, data and features shall also be available for monitoring and modification from the Host computer located in the District offices.

C. All system and unitary controls shall be of the direct digital type (DDC). Self-tuning PID (Proportional, Integral, Derivative) control algorithms shall be applied where applicable on all applications. The control system shall be a networked, distributed intelligence system, with the control loops for each system being capable of stand-alone operation.

D. The system shall include all control devices, valves, dampers and other hardware and devices required for a complete and functioning automatic control system as described in this section.

E. Manufacturers and installers, other than listed in 1.2. A, must demonstrate to the owner the ability to communicate to the existing district wide DDC system and obtain written prior approval.

1.6 SCOPE

A. The new control system shall consist of electronic type, direct digital controllers, input/output modules, ATC interface panels, and accessory equipment for a completely installed system of automatic temperature controls and motor starting circuit control.

1.7 WORK TO BE PERFORMED BY OTHERS

A. Division 26 shall furnish and install all single phase and multiple phase electrical power wiring to magnetic starters, disconnect switches, VFD's and motors. Division 26 shall also provide 120 VAC, 20 Ampere power sources to each group of ATC panels and VAV boxes as shown on the electrical plans. The ATC contractor shall be responsible for all 24 VAC wiring to ATC equipment.

B. The sheet metal contractor shall install all dampers supplied by the ATC contractor. Each damper shall be installed so that it will operate freely and without binding. To insure

that the damper both opens and closes completely with less than 7#/sq. ft. torque applied at the operating shaft, each damper shall be checked after its installation, but before the damper actuators are attached.

C. The mechanical contractor shall install all valves, immersion wells and pressure taps supplied him by the ATC contractor.

D. **ATC contractor shall be responsible for coordinating Division 26 electrical work required by this section.**

E. Division 26 shall furnish and install EMT conduit for all line and low voltage electrical and control wiring required under 1.8.C.

1.8 INSTALLATION BY AUTOMATIC TEMPERATURE CONTROL (ATC) CONTRACTOR

A. The ATC contractor shall furnish and install all necessary electrical control wiring for the complete temperature control system, heating and ventilating equipment motor starting circuit controls and all electrical control interlocks for same, and for control wiring for miscellaneous HVAC equipment furnished by the Owner.

B. The ATC contractor shall furnish & install all necessary electrical control wiring of all temperature controls, heating and ventilating equipment motor starting circuit controls, all electrical control interlocks for same and for miscellaneous packaged equipment.

C. All line and low voltage electrical and control wiring shall be installed in EMT conduit in exposed or inaccessible areas in accordance with the National Electrical Code and applicable local codes and in compliance with Division 26. Plenum cable may be installed in accessible areas.

D. The ATC Contractor’s scope of work also includes providing and installing the variable frequency drives (VFDs) as indicated on the drawings for fans and pumps unless specifically noted otherwise.

1.9 QUALITY ASSURANCE

A. Provide an unconditional TWO-YEAR parts and service warranty. This warranty shall commence at the time of demonstration of system completion of all portions of the ATC system.

B. Emergency response by contractor shall be available 24 hrs/day 7 days/week 365 days/yr. Response time shall not be greater than 12 hours from time of call.

C. All parts and material and their installation methods shall be in accordance with the manufacturer's recommendations and specifications. All parts and material shall be new.

D. The Contracting firm executing the work of this section shall have at least 5 years' in business and experienced in completing work of similar scope and nature to that specified. The firm shall be a licensed electrical contractor in the state of Utah. The contractor shall be a local authorized agent of the DDC system manufacturer.

1.10 SUBMITTAL AND TECHNICAL INFORMATION

A. Submit shop drawings (6 sets) and manufacturer's data for the following items to the mechanical engineer:

1. Wiring and installation diagrams.

2. ATC device specification sheets
3. Point list
4. Control flow diagrams, complete with all control schematics and sequences of operation.
5. Documentation of all software and hardware. These manuals shall be complete with installation procedures as well as start up and programming instructions. They should also contain any testing or maintenance procedures required to operate system on a continuing basis.

1.11 PROJECT COMPLETION REQUIREMENTS

A. Upon completion of the project, the ATC contractor shall spend the necessary time with the building's operating personnel to adequately instruct them on the operation of the system. These training sessions shall be scheduled at times convenient to the School District and shall be conducted at the project.

B. Provide 5 copies of the project operating and maintenance instruction manuals for use during the training sessions. Each manual shall contain both a current hard copy and a CD Rom of all DDC system programming.

C. The ATC contractor shall provide as part of his contract the on-site services of a programmer familiar with the system for an additional 16 hours, which the Engineer and/or the School District may use as they see fit to fine-tune or add features to the system.

D. The ATC contractor shall provide as part of his contract the on-site services of a technician familiar with the system to assist the air & water balance contractor in completing his portion of the project. The technician shall be available for a minimum of an additional 24 hours for this assistance.

E. Operation & Maintenance Manuals: Provide 5 manuals in addition to those manuals specified above. These manuals shall provide descriptions of maintenance procedures for all system components, including sensors and controlled devices. They shall cover inspection, periodic preventative maintenance, fault diagnosis, and repair or replacement of defective components. They shall include complete as-built ATC installation drawings with sequences of operation for all mechanical systems controlled by the ATC contractor. They shall each include both a hard copy & diskettes of all as-built system programming.

PART 2 - EQUIPMENT

2.1 VARIABLE FREQUENCY DRIVES

A. Points may be hardwired to the drives using a controller, or an interface card may need to be provided for the drives. Either way it is the responsibility of the controls contractor to make the VFD interface workable for the system they operate.

2.2 DDC INPUT DEVICES

A. All DDC input devices shall provide industry standard signals and shall be compatible with the DDC controllers used.

B. All temperature input devices shall have a rated accuracy of 1% or better.

C. All pressure input devices shall have a rated accuracy of 2% or better. Pressure transmitters shall be selected to match the application, and shall not be damaged by pressures at five times the maximum measurable pressure.

D. Miscellaneous input devices shall have accuracy's as individually specified.

2.3 DDC OUTPUTS

A. Modulating outputs shall be in accordance with industry standards and shall be compatible with the driven DDC devices.

B. DDC digital outputs shall be either relay contact closures or Triacs rated for the application.

2.4 FIRE ALARM INTERLOCK

A. The ATC contractor shall wire between the alarm relay contacts and the fan system starter to lock out the supply fans when the building is in fire alarm.

2.5 AUTOMATIC VALVES

A. ATC valve bodies 2" and smaller shall be screwed; larger valve bodies shall be flanged. Screwed valves shall be rated at 150 psi or greater and shall have cast iron or brass bodies. Flanged valves shall be rated at 250 psi or greater and have cast iron or steel bodies. All automatic valves shall be for DDC control application.

B. Shut-off pressure ratings of each valve shall be as required by the application.

C. The valves shall be manufactured by Schneider or approved equal.

2.6 MOTORIZED ATC DAMPERS

A. Motorized control dampers that are not supplied with the air handling units shall be furnished by the Automatic Temperature Control Contractor. Dampers shall be factory-built, low leakage units such as Ruskin CD-50 or approved equal. Blades shall be 6" maximum width, 6063-T5 extruded aluminum width, 1/2" axles, and Oilite or Cycoloy bearings.

B. Frames shall be 5" x 1", 6063-T5 extruded aluminum hat channel design, 0.125" minimum thickness with corner braces to assure squareness.

C. Dampers shall be low leakage type with compressible end seals and neoprene or extruded vinyl blade and jamb seals. Leakage shall not exceed 6.2 cfm/sq. ft. at 4" W.G. Dampers shall require less than 7#-in/sq. ft. torque at the operating shaft for proper operation.

D. Outdoor & return air dampers shall be parallel blade with blade direction oriented to assist mixing of air streams. Relief air and other volume control dampers shall be opposed blade.

2.7 DAMPER AND VALVE ACTUATORS

A. Damper and valve actuators shall be of the gear-train type. All moving parts shall be permanently lubricated and not require addition or replacement of oil. Actuators shall meet the NEMA 3R rainproof rating and shall have an ambient temperature operating rating of -40°F to 140°F, without the addition of extra equipment. Actuators shall also carry the UL 94-5V rating for installation in return air plenums.

B. Damper and valve actuators shall accept the appropriate Ma, VDC or digital output signals provided by the DDC controllers.

C. Damper actuators shall be mounted outside the air stream whenever possible and be of sufficient size to operate the connected damper. Mount damper actuator on firm baseplate.

D. Damper actuators linked to outdoor air and relief air dampers shall close their attached dampers upon power failure or fan shutdown.

E. Valve actuators shall be installed above the pipe

2.8 ROOM TEMPERATURE SENSORS

A. Wall mounted space temperature thermostats shall be installed in wall boxes and shall include an adjustable setpoint in occupied areas.

B. Wall mounted space sensors for areas subject to abuse such as the Multipurpose Room shall have the sensor mounted on a wood mounting bracket and have a heavy duty, key locking, metal protective guard. Space sensors used for night setback may be stainless steel blank over style.

2.9 THERMOSTATS

A. Wall mounted thermostats shall be Low voltage type provided with automatic change over feature for both heating and cooling stages, seven day program with two starts and stops per day and occupant override.

B. Wall mounted thermostats for areas subject to abuse such as the Multipurpose Room shall have the thermostat mounted on a wood mounting bracket and have a heavy duty, key locking, metal protective guard.

2.10 OUTSIDE AIR SENSOR

A. The outside air temperature sensor shall provide a signal to the DDC system that is accurate to within +/- 2 degrees F, regardless of building mass, sun location or other environmental conditions.

2.11 HOST COMPUTERS

A. The School District facility management and control system includes an existing Centralized Host computer currently located at the District offices.

B. A Schneider Electric Struxureware Automation Server (AS) shall be provided and installed to allow connection to the existing school district HVAC monitoring network. The school district shall provide all necessary IP addresses and a connection port onto their existing Ethernet network.

C. Copies of all software disks, operation manuals, along with installation instruction shall be provided to owner.

D. The controlling software database shall be constructed by the ATC contractor to provide a fully operational DDC control system that may be monitored, controlled & modified from the District Centralized Host computer. All control schedules, algorithms, and control logic shall be in place within each DDC controller and stored as back-up copies on both

Host computers hard disks which may be down-loaded to individual DDC controllers as necessary. Documentation provided shall include block software flowchart showing the interconnection between each of the control algorithms and sequences.

E. The building shall be represented by complete graphical floor plans, with accurate locations of each major piece of HVAC equipment. Each major piece of HVAC equipment shall be graphically represented at each Host computer with all appropriate DDC points dynamically represented.

F. All designated building alarms shall be automatically reported as they occur as determined by the Box Elder School District.

2.12 MASTER DDC CONTROL PANEL

A. The master DDC controller shall provide to the Host computer (s) diagnostic reports of the following types, for all DDC devices:
   1. When specified alarm conditions occur, provide a report internally listing the status of specific items associated with the equipment generating the alarm.
   2. Report shall be routed to the local Host computer, District Host computer or other combinations of computers via modem as designated by the owner. Depending on the time of day, the owner shall specify up to five sites to which exceptions shall be auto-dialed and reported. This shall allow the owner to assign off hours exception responses to various facility personnel as necessary. Selection of the sites to be dialed can be programmed by the owner, and set to change automatically per time of day and day of week. Information may be duplicated to multiple combinations of locations.
   3. Report shall record the time the status information was taken, and shall allow operational personnel to use this information to diagnose the alarm situation.
      a. Trend logs.
      b. Energy reports.
      c. Exception tables/by operator
      d. Override information table/by operator
      e. Run time information on equipment
      f. Review of specific facility information by operators.

B. All programming defining the functions to be performed by the master DDC control panel from loss due to power failure for a minimum of six months.

C. The master DDC control panel shall be multi-tasking and shall provide the capability to simultaneously perform at least, but not limited to, the following functions:
   1. Down loading of application program changes without affecting the simultaneous operation of existing operating application programming.
   2. Operator access to the entire network of local digital controllers.

2.13 LOCAL DDC CONTROL PANELS

A. Local DDC control panels shall be located near mechanical systems as necessary to provide both digital and analog input and output points as specified and/or required to achieve specified system performance.

B. Each local DDC control panel shall provide all control functions for the mechanical equipment specified to be controlled from that panel.

C. Controllers shall be grouped together in panels located in the mechanical room in which the equipment is installed. Every input and output point shall be well labeled and every digital output shall have a LED indication of the position of the output relay.

D. ATC contractor shall provide documentation of the software application program for each digital controller.

E. Documentation provided shall include block software flowchart showing the interconnection between each of the control algorithms and sequences.

F. System acceptance shall not be completed until this documentation is provided and located in each ATC interface panel.

G. Systems providing modulating outputs via pulse width modulation techniques shall provide within each ATC interface panel all the components required to implement the functions equivalent to an analog output.

2.14 ATC INTERFACE PANELS

A. ATC interface panels shall be mounted near each group of local DDC controllers other than VAV box controllers. Each panel shall be made of not less than 16 gauge steel. Panel shall have a full back plate and full hinged door such that when the door is closed, the assembly provides a completely enclosed, NEMA 1 enclosure. Panels shall be fully painted and fitted with key locks. Appropriately sized nameplates shall be used to identify all panel mounted devices. Major wiring within panels shall be installed within distribution gutters (similar to Panduit). All wiring entering and leaving panels shall terminate on numbered terminal strips. All wiring within panels shall be color coded and the color shall not be changed between the terminal strip and the end destination of that wire. Panels shall contain wiring diagrams of the panel interior and associated devices. Diagrams shall identify all interior devices and shall include terminal numbers.

B. Panels shall contain the following devices as applicable:

1. Control transformers
2. NEC required fusing
3. Local DDC controllers (contractor option)
4. NEC required grounding
5. Logic relays
6. 120 VAC convenience outlet
7. Air pressure transmitters
8. Control switches
9. Pilot lights
10. Terminal strips

2.15 LABELING

A. All ATC supplied devices shall be permanently labeled with labels indicating device name, system identifier and function within the system. All labels external of the DDC controls cabinets shall be of the engraved type.

2.16 GRAPHICS PAGES

A. The ATC contractor shall provide graphics pages to match the existing Box Elder School District graphics pages. These shall include DDC pages, building alarm pages, floor plans showing the location and address assignments of all equipment connected to the DDC system, and pages showing time schedules.

2.17 TIME SCHEDULES

A. Time schedules shall operate independently to allow individual optimization. A graphics page with the building floor plan shall display the location of the rooftop units.

2.18 KW METER

A. KW meters shall be Wattnode, Bacnet compatible.

B. Provide 3 phase, 20 amp, field wired, fused disconnect.

PART 3 - SEQUENCE OF OPERATION

3.1 General:

A. All settings specified below are initial settings only and must be field adjusted to satisfy actual jobsite conditions.

3.2 AIR FLOW METERS (EBTRON OR EQUIVILENT)

A. All outside air flow shall be monitored by a matrix element style Ebtron Gold flow meter or equivalent.

B. Ebtron meters shall be tied to the control system via Bacnet interface to monitor all available data.

3.3 FIRE ALARM FAN SHUTDOWN: (All Fan Systems)

A. All heating-ventilating-air conditioning fan systems shall automatically shut off when the fire alarm system is energized. All fans are to automatically start up again when fire alarm system is reset. Fan relays shall be "normally energized" and fail to the ‘off’ position.

B. The fire alarm contractor shall provide the fire alarm contact fan shutdown relay at each mechanical device required for shutdown.

3.4 EXHAUST FANS:

A. Each exhaust fan shall be enabled by the DDC system and shall run when scheduled subject to local controls, unless otherwise noted. Provide fan smart status for each.

3.5 UEN/AV ROOM / IDF ROOM EXHAUST FANS

A. The BMS shall adjust fan speed based on input from a wall mounted space temperature sensor to maintain space cooling temperature. Provide fan smart status for fan.

1. Provide auxiliary space temperature sensors for each room to generate a ‘high space temperature’ alarm if space exceeds 10°F above set point temperature.

3.6 HIGH VOLUME LOW SPEED (HVLS) FANS

A. The BMS shall disable the HVLS fans located in the Commons when system is in cooling mode. During heating mode, BMS shall allow HVLS fans to operate under the HVLS fan internal control.

3.7 HEATING HOT WATER (GLYCOL) SYSTEM

A. The heating water system consists of two gas fired boilers, two building heating water pumps on VFD, heating water buffer tank, and boiler isolation valves.

B. Heating water pumps: The heating water pumps shall operate lead/lag. The lead pump shall operate continuously during occupied hours. The BMS, via input from the system differential pressure sensor, shall vary the speed of the pump to maintain system differential pressure set point as determined by the Testing, Adjusting, and Balancing contractor.

1. Provide supply and return temperature readouts and proof of pump operation via current monitoring switch for each pump at the DDC system. The lag pump shall enable on failure of the lead pump.
2. Lead/Lag priority shall rotate between pumps on a monthly basis.

C. The BMS shall enable the boilers on call for heat from any building space temperature sensor. The boilers shall operate from internal controls to supply heating water at set point temperature, refer to specification section 23 52 16 Condensing Boilers for boiler sequence.

1. The BMS shall provide set point, and outside air temperature to the boiler control panel.
2. The BMS shall provide temperature sensors to monitor water temperature at each boiler inlet and outlet and at the supply pipe to the building downstream of all boiler connection points.
3. A low supply water temperature alarm shall be generated by the BMS should supply water temperature drop to 10°F below supply set point with boilers enabled.
4. The BMS shall monitor the boiler control panel for alarm signal and relay the signal to the BMS user interface.

3.8 COOLING TOWER

A. Cooling mode for the loop shall be when the building is in the occupied mode, the outside air is above 65°F and any two air handlers are unable to meet its discharge air set point when the outside air dampers are 100% open.

B. The cooling tower shall operate when the outside air temperature is above 65°F (adj) and at least two of the air handlers are calling for cooling.

C. The cooling tower pumps shall run as follows:
1. The lead tower pump shall run continuously when the building is occupied and the cooling tower is enabled if there is water in the sump.
2. The local DDC controllers shall alternate the lead pump on a monthly basis. If a pump does not run when it is commanded to do so, the second pump shall start and an alarm shall be sent to the DDC system.
3. Status of cooling tower pumps operation shall be by an analog current monitoring CT. Amperage will determine pump status of operation.

D. The cooling tower fan speed shall be modulated to match the highest preheating/cooling valve position on the air handlers. The tower fan speed shall control to the greatest cooling load of the building.

E. Provide cooling tower supply and return temperature sensors connected to the DDC system.

F. The cooling tower water filtering unit and water treatment station shall be enabled anytime the cooling tower pumps are running.

3.9 CHILLED WATER SYSTEM

A. The chilled water system will be enabled by the DDC system. Once enabled, the chiller will control pumps and valves associated with the chiller system and controls.

B. The primary chilled water pumps are configured for lead/lag operation and the primary loop will be constant flow. The lead pump shall run whenever the chilled water system is enabled.

C. When the starter or MCC mounted (H-O-A) switches are in the AUTO position, the chiller shall be enabled to operate under its factory supplied controls to maintain the discharge water temperature as reset by the building energy management system.

D. The chilled water system shall be enabled according to the following sequence:
1. There shall be a chilled water schedule to prevent the system from running when the building is unoccupied, such as weekends and holidays. This shall be overridden by operator to enable or disable the chilled water system.
2. The chilled water system shall enable when the IDEC control valve is open at 100%, and the cooling loop supply water temperature setpoint can not be reached for 15 minutes (adjustable). When the system switches cooling from IDEC to the Chiller, the diverting valve on the condenser water loop will redirect water flow from the cooling tower to the chiller in lieu of the plate heat exchanger.
3. The chilled water system shall stay enabled for the rest of the occupied day, and shut down when the building is scheduled unoccupied.
4. Once the chilled water system has been enabled, the air handler outside air dampers shall be reset to their minimum position.

E. The chiller shall not start unless the lead primary chilled water pump is running; and chilled water flow has been proven by a water flow switch in the supply line.

F. Interface the BMCS with the chiller interface panel to provide:
1. Enable the Chilled Water System; hard wired
2. Reset and control the CHS supply temperature; hard wired
3. Monitoring of chilled water supply and return temperatures; Bacnet
4. Demand limiting; hard wired
5. General alarm monitoring. Bacnet

3.10 EMERGENCY SHUTDOWN SWITCHES: (Boilers, Water Heaters)

A. A remote mushroom type, single acting, manually reset, shutdown switch shall be located just inside the boiler room door and marked for easy identification. A pilot light shall illuminate whenever the push button is pressed. If there is more than one door to the boiler room, there should be a switch located at each door.

B. The emergency shutdown switch(es) when activated must disconnect all power to the boiler burner controls. A visual alarm indicator of a different color than the building fire alarm indicators shall be activated when the boilers are shutdown.

3.11 CENTRAL VAV AIR HANDLING UNITS

A. These VAV fan systems each consist of a supply fan driven by a VFD, a separate relief fan/fans driven by a VFD/VFD's, a glycol pre-heat coil, IDEC cooling, bypass damper, filters & outdoor air, return air and relief air dampers.

B. These fan systems serve areas of the building which are expected to be unoccupied outside of the school year. These systems are to be air conditioned only during the

school year, during the summer months, the fan shall be allowed to run for the custodial staff, but the cooling is to remain off. (this is an important energy saving feature and needs careful coordination with the district to make sure that the school day schedule is coordinated).

C. The supply fan shall be started and stopped from a local DDC controller.

D. The supply fan shall run during normal occupied mode and cycle to maintain minimum space temperature and minimum discharge air temperature during unoccupied mode.

E. The fan system operation shall be subject to freeze-stat, building fire alarm, supply duct high static pressure, fan inlet high negative pressure, air handler door interlock switch, building optimal start programs, and other conditions or logic pre-programmed into the DDC controllers.

F. If the fan system is shut down, or fails to start due to abnormal conditions, a safeties alarm shall be sent to the DDC system. When the fan is stopped under any condition, the outside and relief dampers shall close and the relief fan shall stop. A manual reset, high limit pressure switch within the fan room sensing supply duct static pressure shall shut down the fan and alarm the DDC system if its setting is exceeded. A high negative pressure switch located at the fan inlet shall shut down the fan and alarm the DDC system if its setpoint is exceeded. A manual reset averaging freezestat located downstream of the glycol preheat coil shall shutdown the fan, start the preheat coil pump and open the preheat coil valve to 100% and alarm the DDC system if pre-heat coil leaving air temperature below40 degrees F is exceeded. Labeled and illuminated indication shall be provided inside the DDC panel to indicate to the maintenance personnel the nature of the malfunction.

G. The fan system shall perform an optimal start program that shall include building warm-up and purge features. In the warm up mode, all outside air and relief air dampers shall remain closed and the air handler shall discharge as warm of air as possible into the building. In this mode, vav dampers shall open to maximum cfm until the space they serve begins to become satisfied at which time they shall modulate closed to maintain space setpoint. In the purge mode, the cooling valve shall remain off and the outside air dampers and relief dampers shall open and to allow the air handler to deliver the coolest air possible into the building.

H. Occupied Mode: A supply temperature sensor and outdoor air temperature sensor acting through the DDC controllers, shall modulate the pre-heat coil valve, outdoor air and return air dampers, and IDEC cooling to maintain supply air temperature according to the following schedule:

1. Primary Reset:

Greatest Cooling Load	Supply Air Temperature
0%	70°F
100%	65°F

I. The pre heat coil, outside air and return air dampers and IDEC cooling shall operate in sequence without overlap to maintain the supply air temperature. The preheat coil pump shall operate anytime the preheat coil valve is not closed and anytime the air handler is in occupied mode and the outside air temperature is below 40 deg F.

J. Indirect Direct Evaporative Cooling (IDEC) consists of direct evaporative cooling and bypass damper and an indirect cooling coil utilizing cooling tower water. IDEC cooling is an important energy saving feature, to maximize its benefit the bypass damper shall always be full open except it will modulate toward closed if the discharge air temperature exceeds setpoint when the direct evaporative cooling is on. Outside air is the first stage of cooling, if the outside air damper is 100% open, there is water in the sump, and the

discharge air temperature is above setpoint, the direct evaporative cooling shall operate. The direct evaporative cooling is not to be cycled, once enable it shall remain on for the remainder of the occupied period. The outside air damper is to remain 100% open with the direct evaporative cooling is on. The fan shall run for an additional 30 minutes after going into unoccupied more with the outside air damper open to dry out the evaporative media. It is anticipated that indirect cooling will only be needed when outside humidity is high. A temperature sensor carefully located at the discharge of the direct evaporative cooling media shall be used to determine the effectiveness of the direct evaporative cooling and used to stage the indirect cooling system on. A high sump water level safety shall close the make-up water and send an alarm to the DDC system if water is detected in the overflow pipe.

K. A 0-5” w.c. supply duct static pressure transmitter with its static tip located 2/3 of the way down the supply duct and acting through a DDC controller shall modulate the supply fan speed to maintain duct static pressure. The maximum duct static pressure set point shall initially be 1 “w.c. but shall be coordinated with the balancing contractor to the appropriate field condition for the final setting. The static pressure shall be reset downward based on vav box damper position (fan energy is major part of overall building energy, the duct static pressure setpoint does not need to be 1” when all zones are satisfied).

L. An averging style temperature sensor acting through the DDC controller shall provide a 45 deg F pre heat supply air low limit control of the air handling system. (this sensor shall be located downstream of the preheat coil and shall not be located in the mixed air, the air handler will see less than 45 deg mixed air when providing ventilation air in cold weather). An averaging style sensor shall also be located in the mixed air.

M. A -0.25” to 0.25” w.c. static pressure transmitter with an outside air probe, must be a Dwyer a306 or equal, and an interior probe located in an interior hallway in the area served by the fan, acting through the DDC system shall modulate the relief air dampers to maintain 0.03” w.c. building static pressure. The VFD on the relief fan acting through the DDC system shall be controlled to maintain this building static pressure. The Relief dampers shall be open when the fan is on and be closed when the fan is off.

N. Unoccupied Mode: The lowest space temperature sensor served by the air handler, acting through the DDC controller, shall cycle the supply fan to maintain desired minimum space temperature (all perimeter zones have hot water radiation, the fan should be able to remain off during unoccupied hours and should be the last stage of heat used to maintain unoccupied set point (except during morning warm-up). The outdoor air dampers and relief air dampers shall remain closed and the relief fan shall be off during unoccupied hours.

O. Hot water unit heaters located in the fan room shall maintain a minimum space temperature of 55 deg F.

P. DEMAND CONTROLLED VENTILATION: The BMS shall monitor CO_2 levels for spaces equipped with CO_2 sensors. On detecting space CO_2 concentration in excess of 800 ppm, the BMS shall:

1. BMS shall increase the associated space VAV box airflow to maintain space CO_2 at or below set point.
2. At 100% design airflow on the associated VAV box, with CO_2 at or above set point, the BMS shall modulate the outside air damper at the central air handler between the ‘Unoccupied’ and ‘Occupied’ minimum ventilation settings to maintain space CO_2 at or below set point.

3.12 VAV BOX CONTROL W/ REHEAT COILS:

A. Room space temperature sensing shall be from wall-mounted temperature sensing elements with adjustable set points (Slide-stats). Room CO_2 sensing shall be by a separate wall mounted CO_2 sensor (located in the breathing zone). The CO_2 sensor shall be of self-calibrating type.

B. The space sensors located in the hallways and toilet rooms shall not have temperature adjustment capability (Slide-stat) or CO_2 sensor monitoring. (Collaborative areas are not hallways).

C. A duct style temperature sensor shall be installed at each VAV box air discharge.

D. A VAV box-mounted DDC controller shall be provided for control and operation of each VAV box perimeter radiant heater and reheat coil. The controller shall modulate the VAV box primary air damper between minimum ventilation position and maximum designed airflow and modulate the reheat coil valve or the perimeter radiant heater valve in sequence to maintain the desired space temperature. Heating and cooling set points shall be individually adjustable from the man-machine interface device (Host computer) or the District offices.

E. Initial space temperature set points shall be 70° heating and 74° cooling when the building is occupied. Unoccupied set point shall be 60° heating with no cooling set point. The initial slide stat adjustment range shall be set to 1°.

F. Unless scheduled otherwise, all reheat VAV boxes shall maintain the minimum CFM set point for heating.

G. The primary air damper of the VAV box shall be capable of reversing operation as required for building warm-up or central plant heat applications.

H. All classrooms, multi-purpose room, media center, commons and collaborative areas will utilize demand controlled ventilation to determine their minimum CFM set point. If the CO_2 level in the space falls below the CO_2 set point (ppm), the minimum CFM set point can be adjusted down to zero. As the CO_2 level begins to rise above the CO_2 set point (ppm), the minimum CFM set point of the VAV box will be adjusted up to the maximum scheduled CFM to satisfy the CO_2 levels. If the VAV box is operating at maximum CFM and the CO_2 level is not satisfied, a signal shall be sent from the VAV box to the air handler to increase the outside air ratio allowing more fresh air into the space.

I. A spreadsheet style quickview graphic shall be provided to show VAV box operational status. The following points shall be displayed for each VAV box: Occupancy, Space Temp, Space Temp set point, Damper position, HW valve position, %Load, CO2 level, CFM air flow, CFM set point, Discharge Temperature, BTU load of the space, BTU total consumption for the day shall be displayed.

J. Each VAV box DDC controller shall have a 24-volt power connection with all 24-volt control wiring by the ATC contractor. Transformers for the VAV controllers shall be centrally located in the respective air handler equipment room.

K. Each VAV interface controller shall be loaded to a maximum capacity of 90%. 10% spare space shall be provided to allow for expansion and additional programming.

3.13 FAN COIL UNITS

A. These fan systems consist of a supply fan, DX cooling, hot water coil, filters & outdoor air and return air dampers.

B. The ATC contractor shall provide spring return style modulating damper actuators and modulating hot water valves for these units. The outside air shall be used as first stage cooling when permissible.

C. The supply fan shall be started from a local DDC controller. Fan operation shall be sensed by the DDC system via a Hawkeye current monitoring switch. If the supply fan fails to start, all heating and cooling stages shall be locked-out by the DDC system and an alarm shall be sent to the host computer.

D. Fan system operation shall be subject to building fire alarm, building optimal start-stop programs, and other conditions or logic pre-programmed into the DDC controllers.

E. The outside air dampers shall close and the DX cooling stages shall be locked-out whenever the space temperature falls below 45 degrees F to protect the building from freezing.

F. The fan system shall perform an optimal start program that shall include building warm-up and building purge features. In the warm-up mode, all outside air dampers shall remain closed. In the purge mode, the outside air dampers shall open to 100% and the DX cooling stages shall remain off.

G. OCCUPIED mode: A space temperature sensor acting through DDC controllers, shall modulate the hot water valve, DX cooling stages, and outdoor air and return air dampers to maintain the room temperature setpoint. The space sensors shall include room occupant setpoint adjustment and after hours override capability and indication via TAC STR-250 adjustable stats.

H. UNOCCUPIED mode: The space temperature sensor, acting through a DDC controller, shall cycle the supply fan to maintain desired minimum space temperature. The outside air dampers shall remain closed, the return air fan shall remain off and gas fired heating stages shall operate under the warm-up mode sequence. If the override button in the space is pressed, the fan coil system shall return to occupied mode for a one-hour period.

I. The DDC controller shall be located inside the building. All ATC controls shall be located inside the building and not in the rooftop units. This will protect them from moisture and extreme temperatures.

3.14 UNIT HEATERS:

A. A line voltage thermostat by the ATC contractor shall cycle the unit heater fans and valves to maintain desired space temperature. The unit heater fan shall not be controlled by an aqua-stat.

B. BMS shall monitor and report temperatures. An alarm shall be generated if the space temperature is below 40° F (adj.).

3.15 EXHAUST AIR SYSTEM IN KITCHEN

A. The ATC contractor shall interlock the kitchen exhaust hood fan with make up air unit serving the area. The ATC contractor shall furnish and install any necessary interlocking relays and switches.

B. The ATC contractor shall install and wire the kitchen hood temperature sensor which shall enable the kitchen hood when the temperature is too great.

C. Daily total runtime of the kitchen exhaust hood and makeup air unit shall be displayed on the graphic page. The daily runtime value shall be recorded for reporting purposes then

reset at the end of each day. If the runtime exceeds 12 hours in any one day, an email shall be sent to district personnel.

3.16 RADIANT HEATERS w/ NO VAV

A. There are heating radiators in individual rooms that are not served by a VAV controller. Control of these rooms shall be as follows:

B. During Occupied mode, a space temperature sensor, acting through a DDC controller, shall control the radiant heater to maintain the desired space temperature. During Unoccupied mode, the radiant heater shall cycle to maintain desired minimum space temperature.

C. Initial space temperature set points shall be 70° heating when the building is occupied. Unoccupied set point shall be 60° heating. Initial slide stat adjustment range will be set to 1°.

D. Room space temperature sensing shall be from wall-mounted temperature sensing elements with adjustable set points (Slide-stats).

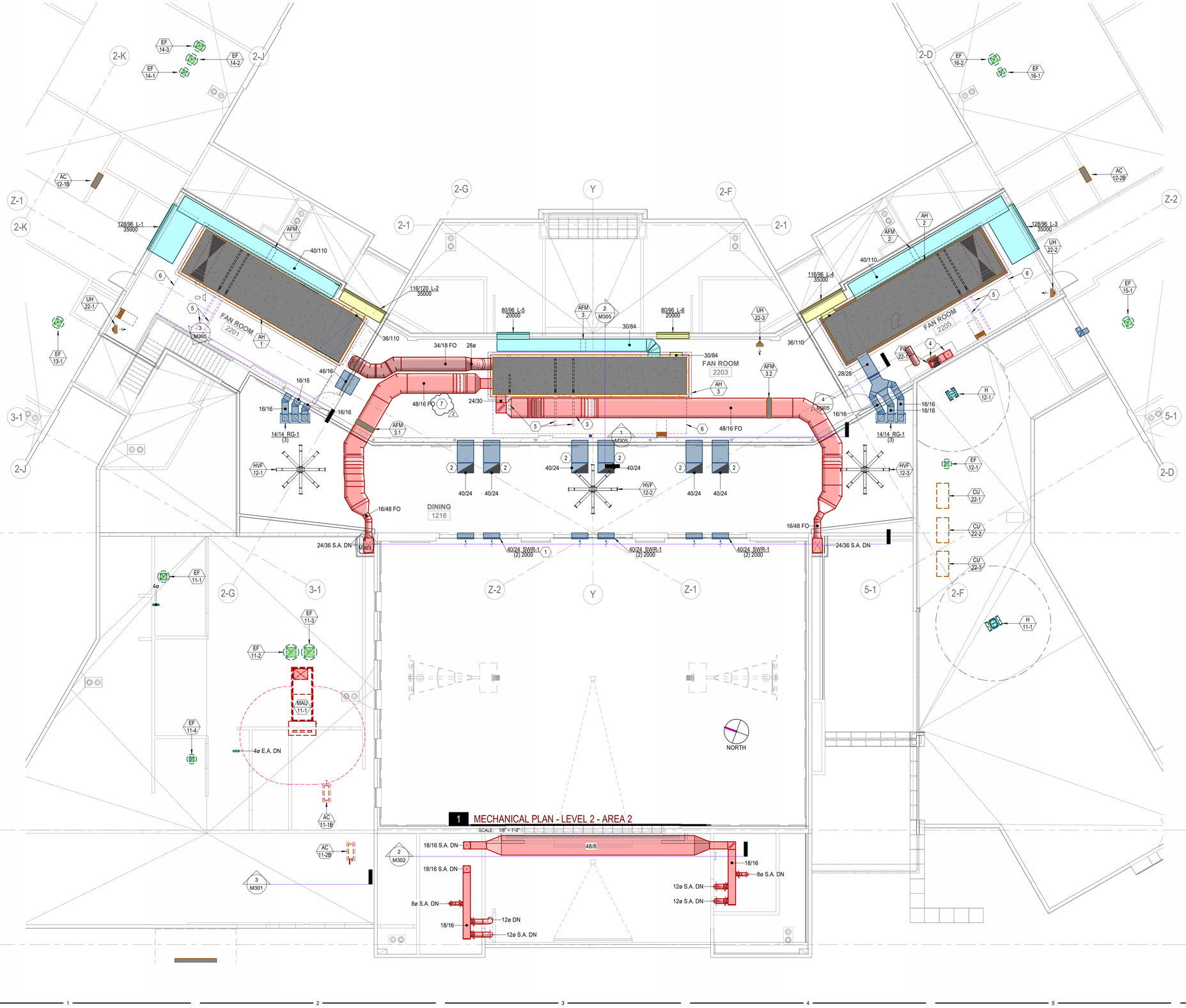
3.17 DOMESTIC HOT WATER SYSTEMS

A. All domestic hot water systems and associated building loop pumps shall be enabled through the DDC system. All domestic hot water systems and pumps shall run continuously. A temperature sensor shall be connected to each hot water system for remote monitoring capability of the domestic hot water temperature. Status of the domestic water pumps shall be monitored by the control system and an alarm shall be generated if a pump fails to operate.

B. The domestic hot water systems shall operate 24 hours a day to prevent bacteria build-up. Once enabled by the DDC system, the domestic hot water heaters shall operate under their factory supplied controls.

C. Tie-in water heaters BACnet communication.

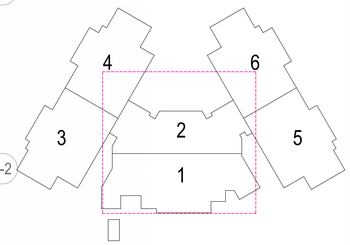
END OF SECTION



KEYED NOTES

1. RETURN AIR GRILLES AND DUCT ARE TO OPEN TO THE CEILING SPACE BETWEEN SKYLIGHTS.
2. ADD A MINIMUM OF ONE 90 DEGREE BEND IN RETURN AIR BOOT TO ATTENUATE SOUND FROM THE FAN ROOM. ENSURE THAT THERE IS NO LINE OF SIGHT THROUGH THE OPENINGS OF THE BOOT.
3. RISE DUCT UP TO BE ABOVE THE "COIL PULL" SPACE. DO NOT LOCATE THE DUCT IN A MANOR THAT WILL PREVENT THE COILS FROM BEING REMOVED FROM THE AIR HANDLER.
4. SUPPLY AND RETURN DUCTS SERVING FC-22-1 DROP TO SERVE ADMINISTRATION OFFICES BELOW. SEE SHEET M112 FOR CONTINUATION.
5. COIL PULL SPACE.
6. EQUIPMENT CLEARANCE TYPICAL.
7. DUCTWORK TO BE DOUBLE WALL NO LESS THAN 25-FEET DOWNSTREAM OF AIR HANDLER. TYPICAL.

KEY PLAN



VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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LICENSED PROFESSIONAL ENGINEER
No. 4775391-2202
SPENCER W. HOWELL
06/25/2025
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

REV	DATE	DESCRIPTION
2	07/22/26	Add #3

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

MECHANICAL PLAN - LEVEL
02 - AREA 2

M122

7/22/2026 11:11:08 AM

AIR HANDLER SOUND POWER SCHEDULE

ID	SOUND DATA LOCATION	OPENING AREA (SF)	OCTAVE BAND FREQUENCY SOUND POWER (dB RE: 10 E-12 WATTS) 62.5	125	250	500	1k	2k	4k	8k	LwA	Lw
AH-1	RELIEF FAN (RF-1)	INLET	81	80	96	87	85	84	80	76	92	79
		OUTLET	83	81	90	83	84	80	75	60	88	93
	SUPPLY FAN (SF-1)	INLET	85	83	101	89	84	85	82	80	95	101
		OUTLET	89	84	95	86	84	80	76	66	90	97
	SUPPLY AIR WITH GRATE	26.75	87	81	90	82	78	71	65	58	85	--
	RETURN AIR WITH GRATE	26.75	82	82	98	87	83	83	80	78	93	--
	EXHAUST AIR WITH DAMPER	27.5	86	82	93	85	83	81	76	72	89	--
	OUTSIDE AIR WITH DAMPER	30.6	84	82	99	87	82	83	81	78	92	--
	CABINET RADIATED	--	81	77	82	67	63	62	58	55	75	--
	TRANSMITTED / FLOOR	--	75	71	75	50	44	37	35	35	66	--
AH-2	RELIEF FAN (RF-2)	INLET	81	80	96	87	84	84	80	76	92	97
		OUTLET	83	81	90	83	83	80	75	60	88	93
	SUPPLY FAN (SF-2)	INLET	85	83	101	89	84	85	82	80	95	101
		OUTLET	89	84	95	86	84	80	76	66	90	97
	SUPPLY AIR WITH GRATE	26.75	87	81	90	82	78	71	65	58	85	--
	RETURN AIR WITH GRATE	26.75	82	81	98	87	82	83	80	78	92	--
	RETURN AIR ON SIDE	3.375	74	72	89	78	73	74	71	69	83	--
	EXHAUST AIR WITH DAMPER	27.5	85	82	92	85	83	80	76	72	89	--
	OUTSIDE AIR WITH DAMPER	30.6	84	82	99	87	82	83	81	78	92	--
	CABINET RADIATED	--	81	77	82	66	63	62	58	55	75	--
	TRANSMITTED / FLOOR	--	75	71	75	50	44	37	35	35	66	--
AH-3	RELIEF FAN (RF-3)	INLET	80	80	93	84	84	84	79	73	91	95
		OUTLET	81	78	87	82	83	80	74	62	87	91
	SUPPLY FAN (SF-3)	INLET	81	80	96	85	81	81	79	77	91	97
		OUTLET	85	81	89	81	80	77	73	63	86	92
	SUPPLY AIR: HOT DECK 1	5	75	71	79	72	70	64	57	49	75	--
	SUPPLY AIR: HOT DECK 2	5	75	71	79	72	70	64	57	49	75	--
	SUPPLY AIR: BYPASS DECK	4.3	80	75	83	76	74	67	59	51	79	--
	RETURN AIR	17.5	80	80	95	95	82	83	79	76	90	--
	EXHAUST AIR WITH DAMPER	17.5	82	79	88	83	83	81	75	69	88	--
	OUTSIDE AIR WITH DAMPER	17.5	80	79	94	83	80	81	78	75	89	--
	CABINET RADIATED	--	79	76	80	65	63	62	58	54	73	--
	TRANSMITTED / FLOOR	--	72	70	73	48	44	38	35	35	65	--

HVLS FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	FAN SPEED (RPM)	FAN WHEEL DIAMETER (IN)	ELECTRICAL REQUIRED BREAKER (A)	MOTOR SPEED (RPM)	MOTOR SIZE (HP)	VOLT/PH/HZ	WEIGHT (LBS)	NOTES
HVF-12-1	BIGASS POWERFOIL8 PF8-10	DINING 1216	HVLS	RECIRCULATION	VARIABLE	10	10.0	148	1	460/3/60	200	1,2,3
HVF-12-2	BIGASS POWERFOIL8 PF8-10	DINING 1216	HVLS	RECIRCULATION	VARIABLE	10	10.0	148	1	460/3/60	200	1,2,3
HVF-12-3	BIGASS POWERFOIL8 PF8-10	DINING 1216	HVLS	RECIRCULATION	VARIABLE	10	10.0	148	1	460/3/60	200	1,2,3

1. HIGH VOLUME LOW SPEED FAN.
2. FAN TO BE PROVIDED WITH MULTI SPEED CONTROL TO BE MOUNTED ON WALL, PROVIDE WIRING TO EXTEND BEYOND 50'.
3. FAN COLOR TO BE "IT'S NEVER TOO SLATE" (DARK GREY).

MAKE-UP AIR HANDLER UNIT SCHEDULE

ID	MANUF. AND MODEL NO.	OUTSIDE AIR FLOW RATE (CFM)	TOTAL STATIC PRESSURE DROP (IN H20)	NATURAL GAS HEATING ENTER/ LEAVING AIR TEMP. DB (DEG. F)	HEATING LOAD (MBH)	INPUT AT SEA LEVEL (MBH/H)	OUTPUT AT 4500 FT ELEVATION (MBH/H)	COOLING LEAVING AIR TEMP (DB / WB)	WORKING FLUID	ELECTRICAL MOTOR SIZE (HP)	OPERATING POWER MOTOR SIZE (BHP)	VOLT/PH/HZ	PHYSICAL MOP (A)	WEIGHT (LBS)	DIMENSIONS LENGTH / WIDTH / HEIGHT (IN)	NOTES
MAU-11-1	GREENHECK IGX-P116-H22	5280	0.634	0 / 68.9	420.8	420.8	340.8	69.5 / 67.0	WATER	2	1.98	460/3/60	15	3000	172 / 45 / 45	1,2

1. PROVIDE WITH EVAPORATIVE COOLING, SUMP AND PUMP.
2. PROVIDE A MINIMUM GAS TURN DOWN OF 8:1.

FAN COIL, DX COIL SCHEDULE

ID	LOCATION	USAGE	AIR AIRFLOW RATE (CFM)	LOAD (BTU/H)	SENSIBLE LOAD (BTU/H)	ENTERING TEMP. DB/WB (°F)	LEAVING TEMP. DB/WB (°F)	STATIC PRESSURE (IN. WATER)	DX MEDIUM	MINIMUM NO. ROWS/ FINS PER INCH	NOTES
FC-CC-1	FC-11-1	COOLING	1250	26580	26580	80 / 62	56.6 / 54	0.2	R-410A	4/12	1
FC-CC-2	FC-11-2	COOLING	750	21710	18000	78 / 60	51.7 / 48.3	0.1	R-410A	3/8	1
FC-CC-3	FC-22-1	COOLING	1600	37180	37180	79 / 60	53.4 / 50.8	0.29	R-410A	6/12	1

1. PROVIDE MATCHED AND BALANCED COIL AND CONDENSING UNIT FROM SINGLE SUPPLIER

CONDENSING UNIT SCHEDULE - AIR COOLED

ID	SERVES	LOCATION	MANUFACTURER AND MODEL NUMBER	REFRIGERANT	TOTAL CAPACITY (MBH)	AMBIENT AIR TEMP. DB/WB (°F)	EER	ELECTRICAL COMPRESSOR RATED LOAD AMPS (RLA)	CONDENSER FAN FULL LOAD AMPS (FLA)	MINIMUM CIRCUIT AMPACITY (MCA)	VOLTS/ PHASE	PHYSICAL HEIGHT / WIDTH / DEPTH (IN)	WEIGHT (LBS)	NOTES
CU-22-1	FC-11-1	AREA 22 ROOF	AAON CFA-002-A-A-3	R-410A	25.9	95 / 75	15.5	3.8	5	6	460/3/60	62/30/59	415	1,2,3,4
CU-22-2	FC-11-2	AREA 22 ROOF	AAON CFA-002-A-A-3	R-410A	21.5	95 / 75	13	3.8	5	6	460/3/60	62/30/59	415	1,2,3,4
CU-22-3	FC-22-1	AREA 22 ROOF	AAON CFA-003-A-A-3	R-410A	32.2	95 / 75	12.9	4.8	6	7	460/3/60	62/30/59	415	1,2,3,4

1. PERFORMANCE AT DESIGN ELEVATION OF 4,500' ASL.
2. PROVIDE UNIT WITH FACTORY REFRIGERANT LINE SET.
3. UNIT SHALL BE CAPABLE OF LOW AMBIENT OPERATION DOWN TO 0°F.
4. PROVIDE MATCHED AND BALANCED COOLING COIL AND CONDENSING UNIT FROM SINGLE SUPPLIER

AIR FLOW MEASURING STATION

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR MAXIMUM AIRFLOW RATE (CFM)	PHYSICAL WIDTH/ HEIGHT (IN)	NOTES
AFM-1	EBTRON	AH-1 OUTSIDE AIR	35,000	SEE PLAN	
AFM-2	EBTRON	AH-2 OUTSIDE AIR	35,000	SEE PLAN	
AFM-3	EBTRON	AH-3 OUTSIDE AIR	12,000	SEE PLAN	
AFM-3.1	EBTRON	AH-3 VAV ZONE	6,000	SEE PLAN	
AFM-3.2	EBTRON	AH-3 VAV ZONE	6,000	SEE PLAN	

AIR HANDLER (CUSTOM BUILT) SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	SERVES	AIR SUPPLY AIRFLOW (CFM)	VENTILATION AIRFLOW (CFM)	COMPONENTS FANS	COILS	FILTERS	ELECTRICAL SINGLE POINT VOLT/PH/HZ	FLA	PHYSICAL CABINET LENGTH/ WIDTH/HEIGHT (IN)	WEIGHT (LBS)	NOTES
AH-1	TEMTROL	CLASSROOMS	35,000	12,000	SF-1, RF-1	HC-1, CC-1	MERV 8	460/3/60	46.6	444 / 120 / 120	30,000	1,2,3,4,5
AH-2	TEMTROL	CLASSROOMS	35,000	12,000	SF-2, RF-2	HC-2, CC-2	MERV 8	460/3/60	46.6	444 / 120 / 120	30,000	1,2,3,4,5
AH-3	TEMTROL	KITCHEN / GYMNASIUM	20,000	2,150	SF-3, RF-3	HC-3, CC-3, RHC-3.1	MERV 8	460/3/60	29.8	474 / 91 / 120	25,000	1,2,3,4,5

1. ALL CONDITIONS AT 4500 FEET ELEVATION.
2. PROVIDE SINGLE VFD FOR SUPPLY FAN ARRAY.
3. PROVIDE SINGLE VFD FOR RETURN FAN ARRAY.
4. SINGLE POINT ELECTRICAL CONNECTION INCLUDES COMPONENTS SUCH AS FANS, DAMPER ACTUATORS, VFDS, ETC.
5. MANUFACTURER TO PROVIDE UNIT WITH LISTED CABINET DIMENSIONS.

AIR HANDLER FAN SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. WATER)	FAN NUMBER OF FANS	FAN SPEED (RPM)	FAN WHEEL DIAMETER (IN)	ELECTRICAL MOTOR SIZE PER FAN (HP)	MOTOR SIZE TOTAL (HP)	MOTOR BHP TOTAL (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	PHYSICAL HEIGHT WIDTH/ DEPTH (IN)	NOTES
SF-1	TEMTROL	AH-1	FAN ARRAY	SUPPLY	35,000	3.56	9	1979	20	4	36	27.95	1740	460/3/60	36/36/28	1,2
SF-2	TEMTROL	AH-2	FAN ARRAY	SUPPLY	35,000	3.56	9	1979	20	4	36	27.95	1740	460/3/60	36/36/28	1,2
SF-3	TEMTROL	AH-3	FAN ARRAY	SUPPLY	20,000	3.29	6	1908	20	3.5	21	14.71	1750	460/3/60	36/40/26	1,2
																1,2
RF-1	TEMTROL	AH-1	FAN ARRAY	RELIEF	35,000	1.3	9	1734	18	1.5	13.5	12.07	1740	460/3/60	36/36/26	1,2
RF-2	TEMTROL	AH-2	FAN ARRAY	RELIEF	35,000	2	9	1734	18	1.5	13.5	12.07	1740	460/3/60	36/36/26	1,2
RF-3	TEMTROL	AH-3	FAN ARRAY	RELIEF	20,000	2	4	1761	20	2	8	1.17	1725	460/3/60	40/40/26	1,2

1. ALL CONDITIONS AT 4500 FEET ELEVATION.

EVAPORATIVE COOLER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR AIRFLOW RATE (CFM)	AIR SENSIBLE LOAD (BTU/H)	AIR ENTERING TEMP. DB / WB (°F)	AIR LEAVING TEMP. DB / WB (°F)	AIR STATIC PRESSURE (IN. H2O)	MAKE-UP FLOW RATE (GPM)	MISC EFF (%)	PHYSICAL NO. MODULES	EACH MODULE WIDTH/ HEIGHT (IN)	MINIMUM FACE AREA (FT²)	PAD THICKNESS (IN)	NOTES
EC-AH-1	PREMIER INDUSTRIES, INC.	AH-1	DIRECT	35000	192625	76.0 / 62.0	62.7 / 62.0	0.5	1.44	90	2	38/108	22	12	1,2,3
EC-AH-2	PREMIER INDUSTRIES, INC.	AH-2	DIRECT	35000	192625	76.0 / 62.0	62.7 / 62.0	0.5	1.44	90	2	38/108	22	12	1,2,3
EC-AH-3	PREMIER INDUSTRIES, INC.	AH-3	DIRECT	20000	111955	76.0 / 62.0	62.7 / 62.0	0.5	0.84	90	2	27/108	14.9	12	1,2,3

1. ELECTRICAL CONNECTIONS FOR EVAP COOLING IS TO BE PROVIDED BY AIR HANDLER MANUFACTURER.
2. EVAP MEDIA SECTION FACE AREA SIZED AT 520 FPM MAX VELOCITY @ MAXIMUM CFM. DIRECT EVAPORATIVE COOLING DESIGNED TO DELIVER SCHEDULED AIR TEMPERATURE AT SCHEDULED DESIGN AIRFLOW WITH A PORTION OF MAXIMUM AIRFLOW BYPASSED AT ENTERING CONDITION TEMPERATURE MIXING WITH EVAPORATIVE DISCHARGE AIR TO ACHIEVE 65 DEG F MIXED TEMPERATURE AT DISCHARGE OF AIR HANDLER. BYPASS DAMPER SIZED FOR PRESSURE DROP EQUAL TO OR LESS THAT PRESSURE DROP OF EVAPORATIVE MEDIA @ EVAP MEDIA DESIGN AIRFLOW
3. BYPASS DAMPER TO BE CENTERED BETWEEN MEDIA MODULES.

COIL SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	USAGE	AIR AIRFLOW RATE (CFM)	AIR LOAD (BTU/H)	AIR SENSIBLE LOAD (BTU/H)	AIR ENTERING TEMP. DB/WB (°F)	AIR LEAVING TEMP. DB/WB (°F)	AIR STATIC PRESSURE (IN. WATER)	FLUID FLOW RATE (GPM)	FLUID ENTERING/ LEAVING TEMP. (°F)	FLUID WORKING FLUID	FLUID HEAD LOSS (FT)	PHYSICAL NO. COILS	PHYSICAL EACH COIL FIN WIDTH/ HEIGHT (IN)	PHYSICAL MINIMUM FACE AREA (FT²)	PHYSICAL MINIMUM NO. ROWS/ FINS PER INCH	NOTES
IC-1	TEMTROL 5WC-12-42x81x6-11 CU	AH-1	COOLING	35000	685882	685882	95 / 62	74 / 53	1.11	137.4	68 / 78	WATER	24.7	2	108 / 54	81	6 / 11	
IC-2	TEMTROL 5WC-12-42x81x6-11 CU	AH-2	COOLING	35000	685882	685882	95 / 62	74 / 53	1.11	137.4	68 / 78	WATER	24.7	2	108 / 54	81	6 / 11	
IC-3	TEMTROL 5WC-12-42x81x6-13 CU	AH-3	COOLING	20000	435848	435848	95 / 62	74 / 53	0.55	87.4	68 / 78	WATER	12.6	2	108 / 54	81	6 / 11	
HC-1	TEMTROL 5WC-8-54x108x2-8 CU	AH-1	HEATING	9000	843041	843041	-10 / -10	75	0.1	45.5	140 / 100	40% PG	8.4	2	108 / 54	81	2 / 8	
HC-2	TEMTROL 5WC-8-54x108x2-8 CU	AH-2	HEATING	9000	843041	843041	-10 / -10	75	0.1	45.5	140 / 100	40% PG	8.4	2	108 / 54	81	2 / 8	
HC-3	TEMTROL 5WC-8-54x108x2-8 CU	AH-3	HEATING	5000	456866	456866	-10 / -10	75	0.05	24.6	140 / 100	40% PG	9.7	1	108 / 54	40.5	2 / 8	
RHC-3.1	TEMTROL 5WC-34-32X3-A CU	AH-3	HEATING	12000	450300	450300	60	99.8	0.24	13.1	140 / 100	40% PG	12.55	2	32 / 51	22.67	3 / 8	

FAN COIL SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR MINIMUM VENTILATION AIR (CFM)	FAN EXTERNAL STATIC PRESSURE (IN. WATER)	FAN TOTAL STATIC PRESSURE (IN. WATER)	COIL 1 COOLING MEDIUM	COIL 2 HEATING MEDIUM	ELECTRICAL MOTOR SIZE (HP)	MOTOR SIZE (BHP)	FLA (AMPS)	MCA (AMPS)	VOLT/PH/HZ	PHYSICAL LENGTH/ WIDTH/ HEIGHT (IN)	NOTES
FC-11-1	MAGIC AIRE BV-12	MECH 1110	VERTICAL	1250	150	0.5	1.1	DX	40% PG	1/2	0.47	0.9	1.1	460/3/60	23/24/50	1
FC-11-2	MAGIC AIRE BV-08	MECH 1110	VERTICAL	750	200	0.5	0.8	DX	40% PG	1/3	0.21	0.9	1.0	460/3/60	23/24/50	1
FC-22-1	MAGIC AIRE BV-16	FAN ROOM 2205	VERTICAL	1600	265	0.5	1.1	DX	40% PG	3/4	0.51	1.4	1.8	460/3/60	25/25/57	1

1. AIRFLOWS ARE REQUIRED VOLUMES AT DESIGN ELEVATION OF 4,500'.

FAN COIL, HEATING COIL SCHEDULE

ID	LOCATION	USE TYPE	AIR AIRFLOW RATE (CFM)	AIR SENSIBLE LOAD (BTU/H)	AIR ENTERING TEMP. DB (°F)	AIR LEAVING TEMP. DB (°F)	HYDRONIC FLOW RATE (GPM)	HYDRONIC ENTERING/ LEAVING TEMP. (°F)	HYDRONIC WORKING FLUID	HYDRONIC HEAD LOSS (FT)	PHYSICAL MINIMUM NO. ROWS/ FINS PER INCH	NOTES
FC-HC-1	FC-11-1	HEATING	1250	20,260	50	67	1.1	140 / 100	40% PG	0.74	2/8	1
FC-HC-2	FC-11-2	HEATING	750	26,670	62	100.2	1.4	180 / 140	40% PG	1.02	2/8	1
FC-HC-3	FC-22-1	HEATING	1600	31,420	58	78.9	2.3	140 / 110.6	40% PG	1.06	2/8	1

1. PERFORMANCE AT 4500' ELEVATION.

HOOD SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	AIR TYPE	AIR MAXIMUM AIRFLOW RATE (CFM)	AIR STATIC PRESSURE (IN. WATER)	PHYSICAL INLET HEIGHT ABOVE ROOF (IN)	PHYSICAL TOTAL HEIGHT (IN)	PHYSICAL THROAT LENGTH / WIDTH (IN)	NOTES
H-11-1	GREENHECK FGI	RECEPTION 1101	VENTILATION	370	0.011	18	36	14 / 18	1
H-12-1	GREENHECK FGI	FACULTY LOUNGE 1215	VENTILATION	280	0.01	18	36	14 / 14	1

1. PROVIDE WITH GRAVITY BACKDRAFT DAMPER.

VCBO®
SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: June 25, 2026

LICENSED PROFESSIONAL ENGINEER
No. 4775391-2202
SPENCER W. HOWELL
06/25/2025
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

REV	DATE	DESCRIPTION
2	07/22/26	Add #3

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CONSTRUCTION DOCUMENTS

MECHANICAL SCHEDULES

M601

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BOILER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	DRAFT TYPE	FUEL TYPE	INPUT LOAD (BTU/H)	OUTPUT LOAD (BTU/H)	THERMAL EFFICIENCY (%)	FLUID				ELECTRICAL			PHYSICAL		NOTES
									FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	FLA	MCA	CONTROL CIRCUIT VOLT/PH/HZ	STACK DIAMETER (IN)	LENGTH/ WIDTH/ HEIGHT (IN)	
B-11-1	FULTON ENDURA-2000XE	BOILER 1119	COND.	FORCED	NAT GAS	2,000,000	1,800,000	90%	122	110/140	40% PG	3	20	25	120/1/60	8	69/34/81	1,2,3,4,5,6,7,8
B-11-2	FULTON ENDURA-2000XE	BOILER 1119	COND.	FORCED	NAT GAS	2,000,000	1,800,000	90%	122	110/140	40% PG	3	20	25	120/1/60	8	69/34/81	1,2,3,4,5,6,7,9

1. INPUT LOAD AT SEA LEVEL.
2. OUTPUT LOAD AT 4,300' ASL
3. PROVIDE WITH FACTORY-FURNISHED AND APPROVED SEISMIC ISOLATION SPRINGS, FLEXIBLE CONNECTORS, INTAKE/EXHAUST MUFFLERS, AND FISHER STEP-DOWN GAS REGULATORS.
4. PROVIDE WITH FACTORY-FURNISHED AUTOMATIC ISOLATION VALVES, TO-BE-CONTROLLED BY THE BOILER CONTROL SYSTEM AND FIELD-INSTALLED.
5. PROVIDE WITH CSD-1 SAFETY CONTROLS.
6. PROVIDE WITH A SINGLE MULTI-BOILER CONDENSATE DRAIN TRAP AND NEUTRALIZATION TANK.
7. PROVIDE WITH ONBOARD BOILER SEQUENCING CONTROLS WITH A BACNET COMMUNICATION MODULE ON THE MASTER BOILER.
8. BOILER EXHAUST FLUE MUST BE CORROSION RESISTANT, DESIGNED FOR USE ON A CATEGORY IV APPLIANCE.
9. BOILERS SHALL OPERATE IN A VARIABLE-PRIMARY SYSTEM WITH A MINIMUM FLOWRATE OF 30 GPM.

WATER-COOLED CHILLER SCHEDULE

ID	MANUFACTURER	MODEL NUMBER	LOCATION	TYPE	REFRIG.	LOAD (TONS)	INPUT KW	KW/TON	NO. OF COMPRESSORS	MINIMUM FLOW RATE (GPM)	FLUID									PHYSICAL			NOTES
											DESCRIPTION	FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	TOTAL MCA	MOCP	NPLV.IP KW/TON	CHILLER AND CONTROL CIRCUIT VOLT/PH/HZ	LENGTH/ WIDTH/ HEIGHT (IN)	WEIGHT (LBS)	
CH-11-1	YORK	YVWABBBBGX	CHILLER ROOM	VSD SCREW SEMI HERMETIC	R-513A	210	105	0.4993	1	380	EVAPORATOR	380	72 / 60	WATER	16.8	225	300	0.339	460/3/60	140 / 55 / 72	9,200	1,2,3
											CONDENSER	535	80 / 91	WATER	20.8							

1. PROVIDE WITH BACNET INTERFACE, INSULATION ON EVAPORATOR SHELL, SUCTION PIPING, COMPRESSOR INLET, MOTOR BARREL & HIGH HUMIDITY, EVAPORATOR RETURN & CONNECTION HEADS.
2. PROVIDE WITH INTEGRAL VFD.
3. PROVIDE WITH DISCONNECT SWITCH, INSTALLED BY DIV. 26.

COOLING TOWER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FAN AIRFLOW (CFM)	AMBIENT TEMP. DB/WB (°F)	FLUID			ELECTRICAL, FAN			PHYSICAL		NOTES
						FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	MOTOR QUAN.	MOTOR SIZE (HP)	TOWER AND CONTROL CIRCUIT VOLT/PH/HZ	OPERATING WEIGHT (LB)	LENGTH/ WIDTH/ HEIGHT (IN)	
CT-11-1	BAC S3E-8518-07M	AREA 11 YARD	CROSSFLOW	98,800	96 / 62	535	75 / 65	WATER	1	20	460/3/60	18,330	102 / 216.5 / 150	1

1. ALL CAPACITIES AT JOB SITE ELEVATION.
2. PROVIDE WITH FACTORY MOUNTED SWEEPER SYSTEM IN BASIN OF COOLING TOWER.

CONDENSER WATER FILTER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVES	TYPE	FLUID		ELECTRICAL		PHYSICAL	NOTES
					FLOW RATE (GPM)	WORKING FLUID	MOTOR SIZE (HP)	VOLT/PH/HZ	OPERATING L / W / H (IN)	
CWF-11-1	PUROFLUX PF-64	BOILER 1119	COOLING TOWER (CT-1)	SWEEPER	160	WATER	5	460/3/60	34 / 34 / 50	

AIR SEPARATOR SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID			PHYSICAL
				FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	DIA./ HEIGHT (IN)
AS-11-1	BELL & GOSSETT RL-5	BOILER ROOM	TANK	300	40% P.G.	2.5	21/32
AS-11-2	BELL & GOSSETT RL-5	BOILER ROOM	TANK	300	40% P.G.	2.5	21/32

HEAT EXCHANGER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	USAGE	LOAD (BTU/H)	SOURCE MEDIUM (HYDRONIC)					TRANSFER MEDIUM (HYDRONIC)					PHYSICAL	
						FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	CONNECTION SIZE (IN)	FLOW RATE (GPM)	ENTERING/ LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	CONNECTION SIZE (IN)	HEIGHT./ LENGTH / DEPTH (IN)	SURFACE AREA (FT²)
HX-1	B&G	MAIN BUILDING	PLATE & FRAME	COOLING	1,825,680	365	65/75	WATER	15	4	365	78/68	WATER	15	4	40/21/73	610

PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID			PUMP	ELECTRICAL				NOTES
				FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	EFFICIENCY (%)	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/HZ	
P-11-1	BELL & GOSSETT	BOILER 1121	HEATING	255	40% PG	60	75.3	7.5	5.37	1800	460/3/60	1
P-11-2	BELL & GOSSETT	BOILER 1121	HEATING	255	40% PG	60	75.3	7.5	5.37	1800	460/3/60	1
P-11-3	BELL & GOSSETT	BOILER 1121	COOLING	400	WATER	97	79	20	12.3	1800	460/3/60	1
P-11-4	BELL & GOSSETT	BOILER 1121	COOLING	400	WATER	97	79	20	12.3	1800	460/3/60	1
P-11-5	BELL & GOSSETT	CHILLER 1134	COOLING TOWER	535	WATER	45	80	10	7.54	1800	460/3/60	2
P-11-6	BELL & GOSSETT	CHILLER 1134	COOLING TOWER	535	WATER	45	80	10	7.54	1800	460/3/60	2
P-11-7	BELL & GOSSETT	CHILLER 1134	CHILLER	380	WATER	40	79	7.5	4.85	1800	460/3/60	2
P-11-8	BELL & GOSSETT	CHILLER 1134	CHILLER	380	WATER	40	79	7.5	4.85	1800	460/3/60	2

1. VFD AND INTEGRAL DISCONNECT PROVIDED AND INSTALLED BY DIV. 26
2. COMBINATION STARTER/DISCONNECT PROVIDED AND INSTALLED BY DIV. 26

EXPANSION TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID		PHYSICAL				NOTES
				WORKING FLUID	MIN. TANK/ ACCEPTANCE (GAL)	TANK SIZE (GAL)	RELIEF VALVE (PSIG)	DIA./ HEIGHT (IN)	NPT FITTING (IN)	
ET-11-1	BELL AND GOSSETT B-300	BOILER	BLADDER	40% PG	30.92	80	87	24 / 51	1	1
ET-11-2	BELL AND GOSSETT B-300	CHILLER	BLADDER	40% PG	30.92	80	87	24 / 51	1	1

1. 17 PSIG INITIAL FILL PRESSURE, 67 PSIG OPERATING PRESSURE.

VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: June 25, 2026

LICENSED PROFESSIONAL ENGINEER
No. 4775391-2202
SPENCER W. HOWELL
06/25/2025
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

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CONSTRUCTION DOCUMENTS

MECHANICAL SCHEDULES

M603

7/20/2026 3:28:31 PM

THERMOSTATIC MIXING VALVE SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	BODY CONSTRUCTION	INLET SIZE (IN)	OUTLET SIZE (IN)	FLUID FLOW RATE (GPM)	FLUID HEAD LOSS (FT)	ELECTRICAL VOLT/PH	NOTES
TMV-1	POWERS SERIES E480	CLASSROOMS	1070	BRASS	1/2	1/2	2	3.0	N/A	(1)(2)
TMV-2	POWERS SERIES LM496-2	TOILET ROOMS	1070	BRASS	3/4	3/4	2	7.0	N/A	(1)
TMV-3	GUARDIAN 3800	BOILER ROOM	1071	BRASS	1	1	20	7.0	N/A	(1)

1. PROVIDE AND INSTALL CHECK VALVES IN CW AND HW INLETS.
2. INSTALL TIGHTLY BENEATH SINK.

GAS FIRED WATER HEATER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SERVICE	INPUT LOAD (BTUH)	EFFICIENCY (%)	TYPE	RECOVERY RATE @ 100 F DELTA T	TANK SIZE (GAL)	FLUE SIZE (IN)	HEIGHT/ DIAMETER (IN)	ELECTRICAL (KW)	V/PH	NOTES
WH-1	A.O. SMITH BTH-199	BOILER RM	130 DEG.	199,000	92	SEALED COMBUSTION	239	100	4/4	72/28	NA	120/1	
WH-2	A.O. SMITH BTH-199	BOILER RM	130 DEG.	199,000	92	SEALED COMBUSTION	239	100	4/4	72/28	NA	120/1	

WATER SOFTENER SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	TOTAL (GRAINS)	NORMAL / MAX WATER FLOW/UNIT @ 15/25 PSI LOSS	BACKWASH FLOW RATE (GPM)	RESIN QUANTITY (FT^3)	RESIN TANK HGHT/DIA (IN/IN)	BRINE TANK HGHT/DIA (IN/IN)	ELECTRICAL (VOLT/PH)	NOTES
WS-1	PACIFIC WS150-9865M	BOILER RM	SIMPLEX	30,000 @15LBS	53/69	7	5	65/18	50/24	115/1	1

1. PACKAGED EQUIPMENT

DOMESTIC PUMP SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID FLOW RATE (GPM)	FLUID WORKING FLUID	FLUID HEAD LOSS (FT)	PUMP EFFICIENCY (%)	PUMP CONSTRUCTION	ELECTRICAL MOTOR SIZE (HP)	ELECTRICAL MOTOR BHP (HP)	ELECTRICAL MOTOR SPEED (RPM)	ELECTRICAL VOLT/PH/HZ	NOTES
RCP-1	BELL & GOSSETT PR SERIES 3/4	BOILER RM	CENTRIFUGAL	2	WATER	15	NA	ALL BRONZE	1/6	NA	1725	115/1/60	
RCP-2	BELL & GOSSETT PR SERIES 3/4	BOILER RM	CENTRIFUGAL	2	WATER	15	NA	ALL BRONZE	1/6	NA	1725	115/1/60	
RCP-3	BELL & GOSSETT PR SERIES 3/4	BOILER RM	CENTRIFUGAL	2	WATER	15	NA	ALL BRONZE	1/6	NA	1725	115/1/60	

DOMESTIC EXPANSION TANK SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID WORKING FLUID	FLUID MIN. TANK/ ACCEPTANCE (GAL)	PHYSICAL TANK SIZE (GAL)	PHYSICAL RELIEF VALVE (PSIG)	PHYSICAL DIA./ HEIGHT (IN)	PHYSICAL NPT FITTING (IN)	NOTES
DET-1	AMTROL ST-42V	BOILER ROOM	DIAPRAGM	WATER	0.57	20	112	16/32	1	1

1. TANK LINER SUITABLE FOR POTABLE WATER

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
DSN-1	DOWNSPOUT NOZZLE					SEE PLANS FOR SIZE	DOWNSPOUT NOZZLE: SMITH 1770 DOWNSPOUT NOZZLE WITH NICKEL BRONZE BODY AND FLANGE.
RD-1	ROOF DRAIN					SEE PLANS FOR SIZE	ROOF DRAIN: SMITH FIGURE 1010Y CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.
RDO-1	ROOF DRAIN OVERFLOW					SEE PLANS FOR SIZE	ROOF DRAIN OVERFLOW: SMITH FIGURE 1080Y CAST IRON BODY WITH COMBINED FLASHING CLAMP AND CAST IRON GRAVEL STOP, CAST IRON DOME, 2" HIGH WATER COLLAR, EXTENSION, SUMP RECEIVER AND UNDERDECK CLAMP.
RD-2	SCUPPER DRAIN					SEE PLANS FOR SIZE	SCUPPER DRAIN: SMITH FIGURE 1540T CAST IRON BODY FLASHING CLAMP AND LOOSE SET ANGLE GRATE
RDO-2	SCUPPER OVERFLOW DRAIN					SEE PLANS FOR SIZE	SCUPPER DRAIN: SMITH FIGURE 1540T CAST IRON BODY FLASHING CLAMP AND LOOSE SET ANGLE GRATE
WC-1	WATER CLOSET (WALL HUNG)	1		3	2		WATER CLOSET: KOHLER MODEL K-4325-0 VITREOUS CHINA SIPHON JET, ELONGATED BOWL, WALL HUNG WITH 1-1/2" TOP SPUD; SLOAN REGAL 111 1.6 GALLON FLUSH VALVE. SMITH 0210 HORIZONTAL (LEFT OR RIGHT HAND AS REQUIRED) OR SMITH 0230 VERTICAL ADJUSTABLE CARRIER WITH FOOT SUPPORT. INSTALL ACTUATOR ON WIDE SIDE OF STALL. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
WC-2	(ADA) WATER CLOSET (WALL HUNG)	1		3	2		WATER CLOSET (ADA): KOHLER MODEL K-4325-0 MODEL 3351 101 VITREOUS CHINA SIPHON JET, ELONGATED BOWL, WALL HUNG WITH 1-1/2" TOP SPUD; SLOAN REGAL 111 1.6 GALLON FLUSH VALVE. SMITH 0210 HORIZONTAL (LEFT OR RIGHT HAND AS REQUIRED) OR SMITH 0230 VERTICAL ADJUSTABLE CARRIER WITH FOOT SUPPORT. INSTALL ACTUATOR ON WIDE SIDE OF STALL. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
WC-3	(ADA) WATER CLOSET (FLOOR MOUNTED)	1		3	2		ACCESSIBLE WATER CLOSET: KOHLER K-4302 VITREOUS CHINA FLOOR MOUNTED SIPHON JET ELONGATED TOILET WITH 2-1/4" PASSAGEWAY, 1-1/2" TOP SPUD AND BOLT CAPS. SLOAN 111 MANUAL FLUSH VALVE, 1.6 GALLONS PER FLUSH.
U-1	URINAL	3/4		2	1 1/2		URINAL: KOHLER K-5016-ET DEXTER VITREOUS CHINA, WALL HUNG,ELONGATED URINAL WITH ½" TOP SPUD; SLOAN 186-1.0 FLUSH VALVE. 1.0 GALLONS PER FLUSH. PROVIDE SLOAN EBV-89-AM BATTERY OPERATED SENSOR OPERATOR WITH METAL COVER AND OVERRIDE BUTTON. MAXIMUM OF 25 PSI ON MINIMUM REQUIRED PRESSURE TO FIXTURE
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG	LAVATORY (WALL HUNG): KOHLER K-2005 KINGSTON 21" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 4" FAUCET CENTERS; K-7129 OPEN GRID STRAINER; MOEN 8210 FAUCET WITH 0.5 GPM MAXIMUM FLOW. PROVIDE VANDAL RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HANDI-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS. PROVIDE POWERS LFe480 THERMOSTATIC MIXING VALVE WITH EXTERNAL CHECK VALVES.
L-2	LAVATORY	1/2	1/2	1 1/2	1 1/2	WALL HUNG	LAVATORY (WALL HUNG): KOHLER K-2005 KINGSTON 21" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 4" FAUCET CENTERS; K-7129 OPEN GRID STRAINER; MOEN 8210 FAUCET WITH 0.5 GPM MAXIMUM FLOW. PROVIDE VANDAL RESISTANT AERATOR. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HANDI-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS.
SS-1	SERVICE SINK	3/4	3/4	3	2		JANITOR SINK (FLOOR MOUNTED, CORNER): KOHLER K6710, WHITBY, 28 X 28-INCH, ENAMELED CAST IRON FLOOR-MOUNTED CORNER MODEL. K9146-7 DRAIN WITH STRAINER, NO. K8940 REMOVABLE VINYL-COATED RIM GUARD; T & S BRASS B-0665-BSTP FAUCET WITH VACUUM BREAKER, SCREWDRIVER STOPS IN SHANKS, 5 FOOT RUBBER HOSE AND WALL HOOK, 853.
S-1	TWO COMPARTMENTSINK	1/2	1/2	2	1 1/2	UNDERMOUNT, TWO COMPARTMENT	TWO COMPARTMENT SINK: JUST UD1832A-J 30-3/4" X 18-1/2" X 7-7/8" DEEP, 18-GAUGE, TYPE 304 STAINLESS STEEL, UNDERMOUNT SINK; T & S BRASS B-2866-05FC FAUCET, 4" WRIST BLADES, RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.6 GPM FC LAMINAR FLOW CONTROL AND PLAIN END SPOUT RING; FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; JUST J-3S STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-2	SINGLE COMPARTMENT SINK	1/2	1/2	2	1 1/2	UNDERMOUNT	SINK: JUST USADA1414A55-J 14 1/2" X 14 1/2" X 5-3/8" DEEP, 18-GAUGE, TYPE 304 STAINLESS STEEL, UNDERMOUNT SINK; T & S BRASS B-2866-05FC FAUCET, 4" WRIST BLADES, RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.6 GPM FC LAMINAR FLOW CONTROL AND PLAIN END SPOUT RING; JUST J-1H-LXVR VANDAL RESISTANT BUBBLER; FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY QUATURN ANGLE STOPS; JUS..
S-3	SINGLE COMPARTMENT SINK	1/2	1/2	2	1 1/2	UNDERMOUNT	SINK: USADA1414A55-J 14 1/2" X 14 1/2" X 5-3/8" DEEP, 18-GAUGE, TYPE 304 STAINLESS STEEL, UNDERMOUNT SINK; T & S BRASS B-2866-05FC FAUCET, 4" WRIST BLADES, RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.6 GPM FC LAMINAR FLOW CONTROL AND PLAIN END SPOUT RING; FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY QUATURN ANGLE STOPS; JUST J-3S STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP.
S-4	SINK	1/2	1/2	2	1 1/2	UNDERMOUNT	SINK: USADA1824A65-J 23-1/2" X 18-1/4" X 6-3/8" DEEP; 18-GAUGE, TYPE 304 STAINLESS STEEL, UNDERMOUNT SINK; T & S BRASS B-2867-04 FAUCET, 4" WRIST BLADES HANDLES, RIGID GOOSE NECK SPOUT WITH 2.2 GPM AERATOR; FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS; JUST J-3S STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
SH-1	ADA SHOWER	1/2	1/2			WALL HUNG STAINLESS STEEL	ACCESSIBLE WALL SHOWER: BRADLEY MODEL HN250-MOD-EF-6'-0"-VLSR OR VR/SL BARRIER FREE SHOWER WITH SEVERE SERVICE SHOWER HEAD MOUNTED AT 6'-0" AND 5'-0" CHROME PLATED HOSE WITH HAND HELD WAND, PRESSURE BALANCED MIXING VALVE SET AT 110ºF AND S, COORDINATE VALVE AND SEAT WITH PLANS.
EWC-1	ELECTRIC WATER COOLER	1/2		1 1/2	1 1/2	ADA, DUAL STATION	ELECTRIC WATER COOLER: ELKAY LVRCTBWSK BI-LEVEL FILTERED WATER COOLER WITH LVRCWS BOTTLE FILLING STATION. WALL MOUNTED, BARRIER FREE, ADA ELECTRIC WATER COOLER. STAINLESS STEEL BOWLS, PANELS AND PUSH BUTTON CONTROLS ON FRONT AND VANDAL RESISTANT BUBBLER. COMPRESSOR TO BE 115V, 60 HZ WITH CAPACITY TO DELIVER AT LEAST 8.0 GPH OF 50°F WATER. 1-1/2" CAST BRASS CHROME-PLATED P-TRAPS. PROVIDE WITH MANUAL QUARTER TURN VALVE.
FD-1	FLOOR DRAIN			2	1 1/2	RESTROOMS	FLOOR DRAIN (RESTROOM): SMITH FIGURE 2005Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE, TRAP GUARD AND 4" DEEP TRAP SEAL.
FD-2	FLOOR DRAIN			3	2	BOILER ROOM	FLOOR DRAIN (MECHANICAL ROOM): SMITH 2220Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" CAST IRON GRATE AND SEDIMENT BUCKET, NO-HUB CONNECTION, TRAP GUARD AND 4" DEEP TRAP SEAL.
FD-3	FLOOR DRAIN			4	2	BOILER ROOM	FLOOR DRAIN (MECHANICAL ROOM): SMITH 2220Y FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 8" CAST IRON GRATE AND SEDIMENT BUCKET, NO-HUB CONNECTION, TRAP GUARD AND 4" DEEP TRAP SEAL.
FS-1	FLOOR SINK			2	1 1/2	-,-	FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED GRATE AND ALUMINUM DOME BOTTOM STRAINER, TRAP GUARD AND 4" DEEP TRAP SEAL.
FS-2	FLOOR SINK			4	2		FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED GRATE AND ALUMINUM DOME BOTTOM STRAINER, TRAP GUARD AND 4" DEEP TRAP SEAL.
FS-3	FLOOR SINK			4	2		FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED GRATE AND ALUMINUM DOME BOTTOM STRAINER, TRAP GUARD AND 4" DEEP TRAP SEAL.
FS-4	FLOOR SINK			4	2	MECHANICAL ROOM	FLOOR SINK: SMITH FIGURE 3200Y-U CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, SECURED NICKEL BRONZE RIM AND VANDAL PROOF GRATE WITH ALUMINUM DOME BOTTOM STRAINER, 4" DEEP TRAP SEAL.
WB-1	WASHER BOX	3/4	3/4	2	1 1/2		WASHER BOX: WATER-TITE 82064 WASHING MACHINE OUTLET BOX WITH 2 CHORME QUARTER TURN BALL VALVES WITH 1/2" SWEAT CONNECTION AND 2" CENTER DRAIN.
HSB-1	HOSE SUPPLY BOX	3/4					HOSE SUPPLY BOX: ACORN MODEL 8104-E500 WITH LUMALOY ONE PIECE BOX WITH VALVE AND STOP. VANDAL RESISTANT CYLINDER KEY LOCKING COVER, VALVE SHALL HAVE LOOSE KEY HANDLE.
ES-1	EMERGENCY SHOWER/EYE WASH	1	1				EMERGENCY SHOWER/EYE WASH (FLOOR MOUNTED ADA): GUARDIAN G1909 SAFETY STATION WITH STAINLESS STEEL BOWL AND ABS PLASTIC SHOWER HEAD, 4 GS PLUS SPRAY HEADS AND FLOOR FLANGE;GUARDIAN G3800 THERMOSTATIC MIXING VALVE WITH 1" INLETS AND 1 1/4" OUTLET, WITH INTEGRAL COLD WATER BYPASS, AND DUAL INLINE CHECK VALVES IN HOT AND COLD SUPPLIES; SET MIXING VALVE TO PROVIDE 90-DEGREE TEPID WATER TO THE SAFETY STATION.
HB-1	HOSE BIBB	3/4					HOSE BIBB: ACORN 8151 RECESSED 18 GA. 304 STAINLESS STEEL HOSE BOX WITH 16 GA. FLANGE; VANDAL RESISTANT COVER; HOSE VALVE WITH VACUUM BREAKER, 3/4" MALE HOSE THREAD AND LOOSE KEY HANDLE. 16 GA. DOOR WITH REMOVABLE HINGE AND CYLINDER LOCK.
NFH-1	NON FREEZE WALL HYDRANT	3/4					NON-FREEZE HYDRANT: SMITH 5509QT NON-FREEZE WALL HYDRANT IN RECESSED STAINLESS STEEL BOX WITH COVER , WALL THICKNESS SHOWN ON PLAN. BRONZE HYDRANT, 3/4-INCH CONNECTION WITH BRASS CASING, INTEGRAL SELF-DRAINING VACUUM BREAKER, AND LOOSE KEY.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
DATE: June 25, 2026

LICENSED PROFESSIONAL ENGINEER
No. 4775391-2202
SPENCER W. HOWELL
06/25/2026
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

REV	DATE	DESCRIPTION
2	07/22/26	Add #3

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

PLUMBING SCHEDULES

P601

7/21/2026 9:16:18 AM

NOTES:
1. NON-FUSED DISCONNECT SWITCH
2. FUSED DISCONNECT SWITCH
3. BREAKER IN ENCLOSURE
4. MANUAL STARTER W/THERMAL OVERLOAD
5. MAGNETIC STARTER
6. MAGNETIC STARTER/NON-FUSED DISCONNECT COMBINATION
7. MAGNETIC STARTER/FUSED DISCONNECT COMBINATION
8. MAGNETIC STARTER/BREAKER COMBINATION
9. VARIABLE FREQUENCY DRIVE
10. REDUCED VOLTAGE STARTER
11. DIRECT CONNECTION
12. RECEPTACLE/SPECIAL PURPOSE OUTLET/ETC.
13. TWO-SPEED STARTER, COORDINATE W/MOTOR TYPE
14. SOLID STATE SOFT STARTER

A. FURNISHED, INSTALLED, AND CONNECTED UNDER DIVISION 26(16).
B. FURNISHED AND INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTION UNDER DIVISION 26(16).
C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26(16).
D. FURNISHED, INSTALLED AND CONNECTED UNDER ANOTHER DIVISION.

CB = CIRCUIT BREAKER - THERMAL MAGNETIC
CKW = CHILLER KILOWATTS

NOTE 1: PER 250.122(A), EQUIPMENT GROUND IS NOT REQUIRED TO BE LARGER THAN PHASE CONDUCTOR.

EQUIPMENT SCHEDULE

UNIT	#	DESCRIPTION	LOAD				VOLT	PHASE	FULL LOAD AMPS	CONDUIT SIZE	WIRES				OCPD		REFERENCE NOTES			
			HP	FLA	MCA	VA					SETS	QTY	SIZE	EQUIP. GND.	TYPE	AMPS	STARTER	DISCONNECT	OTHER	REMARKS
		SPLIT SYSTEM (INDOOR)		0 A	1 A	0 VA	208 V	0	0.8 A	0"	1	0	12	12	CB	0 A	7A			FED FROM EXTERIOR CONDENSING UNIT
AC	11-1B	SPLIT SYSTEM (OUTDOOR)		0 A	16 A	0 VA	208 V	3	12.8 A	3/4"	1	3	12	12	CB	30 A				
AC	11-2A	SPLIT SYSTEM (INDOOR)		0 A	1 A	0 VA	208 V	0	0.8 A	0"	1	0	12	12	CB	0 A	7A			FED FROM EXTERIOR CONDENSING UNIT
AC	11-2B	SPLIT SYSTEM (OUTDOOR)		0 A	22 A	0 VA	208 V	3	17.6 A	3/4"	1	3	10	10	CB	40 A				
AC	12-1A	SPLIT SYSTEM (INDOOR)		0 A	1 A	0 VA	208 V	0	0.8 A	0"	1	0	12	12	CB	0 A				FED FROM EXTERIOR CONDENSING UNIT
AC	12-1B	SPLIT SYSTEM (OUTDOOR)		0 A	22 A	0 VA	208 V	3	17.6 A	3/4"	1	3	10	10	CB	40 A				
AC	12-2A	SPLIT SYSTEM (INDOOR)		0 A	1 A	0 VA	208 V	0	0.8 A	0"	1	0	12	12	CB	0 A				FED FROM EXTERIOR CONDENSING UNIT
AC	12-2B	SPLIT SYSTEM (OUTDOOR)		0 A	22 A	0 VA	208 V	3	17.6 A	3/4"	1	3	10	10	CB	40 A				
AH	1	AIR HANDLER		47 A	0 A	0 VA	480 V	3	46.6 A	3/4"	1	3	4	10	CB	60 A	2A			
AH	2	AIR HANDLER		47 A	0 A	0 VA	480 V	3	46.6 A	3/4"	1	3	4	10	CB	60 A	2A			
AH	3	AIR HANDLER		30 A	0 A	0 VA	480 V	3	29.8 A	3/4"	1	3	8	10	CB	40 A	2A			
B	11-1	BOILER		0 A	25 A	0 VA	120 V	1	20.0 A	3/4"	1	2	10	10	CB	30 A	4A			
B	11-2	BOILER		0 A	25 A	0 VA	120 V	1	20.0 A	3/4"	1	2	10	10	CB	30 A	4A			
B	11-2	BOILER		0 A	25 A	0 VA	120 V	1	20.0 A	3/4"	1	2	10	10	CB	30 A	4A			
CH	11-1	WATER-COOLED CHILLER		0 A	238 A	0 VA	480 V	3	190.4 A	2"	1	3	250	4	CB	300 A	1C			
CT	11-1	COOLING TOWER	20.00				480 V	3	27.0 A	3/4"	1	3	8	10	CB	50 A				
CU	22-1	CONDENSING UNIT		6 A	0 A	0 VA	480 V	3	6.0 A	3/4"	1	3	12	12	CB	25 A	7A			
CU	22-2	CONDENSING UNIT		6 A	0 A	0 VA	480 V	3	6.0 A	3/4"	1	3	12	12	CB	20 A				
CU	22-3	CONDENSING UNIT		6 A	0 A	0 VA	480 V	3	6.0 A	3/4"	1	3	12	12	CB	20 A	7A			
CWF	11-1	CONDENSER WATER FILTER	5.00				480 V	3	7.6 A	3/4"	1	3	12	12	CB	20 A	7A			
EF	11-1	EXAUST FAN	0.50				120 V	1	9.8 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	11-2	EXAUST FAN	1.50				480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7A			
EF	11-3	EXAUST FAN	1.50				480 V	3	3.0 A	3/4"	1	3	12	12	CB	15 A	7A			
EF	11-4	EXAUST FAN	0.10				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	12-1	EXAUST FAN	0.17				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	13-1	EXAUST FAN	0.25				120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	14-1	EXAUST FAN	0.10				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	14-2	EXAUST FAN	0.50				120 V	1	9.8 A	3/4"	1	2	12	12	CB	20 A	4A			
EF	14-3	EXAUST FAN	0.50				120 V	1	9.8 A	3/4"	1	2	12	12	CB	20 A	4A			
EF	15-1	EXAUST FAN	0.25				120 V	1	5.8 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	16-1	EXAUST FAN	0.10				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A	4A			
EF	16-2	EXAUST FAN	0.50				120 V	1	9.8 A	3/4"	1	2	12	12	CB	20 A	4A			
FC	11-1	FAN COIL		0 A	1 A	0 VA	480 V	3	0.9 A	3/4"	1	3	12	12	CB	15 A	2A			
FC	11-2	FAN COIL		0 A	1 A	0 VA	480 V	3	0.8 A	3/4"	1	3	12	12	CB	15 A	2A			
FC	22-1	FAN COIL		0 A	2 A	0 VA	480 V	3	1.4 A	3/4"	1	3	12	12	CB	15 A	2A			
GFS	1	GLYCOL FEED STATION		0 A	0 A	1080 VA	120 V	1	9.0 A	3/4"	1	2	12	12	CB	20 A				
HVF	12-1	HVLS FAN	1.00				480 V	3	2.1 A	3/4"	1	3	12	12	CB	20 A	7A			
HVF	12-2	HVLS FAN	1.00				480 V	3	2.1 A	3/4"	1	3	12	12	CB	20 A	7A			
HVF	12-3	HVLS FAN	1.00				480 V	3	2.1 A	3/4"	1	3	12	12	CB	20 A	7A			
MAU	11-1	MAKE-UP UNIT	3.50				480 V	3	7.6 A	3/4"	1	3	12	12	CB	15 A		2A		
P	11-1	PUMP	7.50				480 V	3	11.0 A	3/4"	1	3	12	12	CB	20 A			9A	
P	11-2	PUMP	7.50				480 V	3	11.0 A	3/4"	1	3	12	12	CB	20 A			9A	
P	11-3	PUMP	20.00				480 V	3	27.0 A	3/4"	1	3	8	10	CB	50 A			9A	
P	11-4	PUMP	20.00				480 V	3	27.0 A	3/4"	1	3	8	10	CB	50 A			9A	
P	11-5	PUMP	10.00				480 V	3	14.0 A	3/4"	1	3	12	10	CB	25 A			7A	
P	11-6	PUMP	10.00				480 V	3	14.0 A	3/4"	1	3	12	10	CB	25 A			7A	
P	11-7	PUMP	7.50				480 V	3	11.0 A	3/4"	1	3	12	12	CB	20 A			7A	
P	11-8	PUMP	7.50				480 V	3	11.0 A	3/4"	1	3	12	12	CB	20 A			7A	
RCP	1	DOMESTIC PUMP	0.17				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A			4A	
RCP	2	DOMESTIC PUMP	0.17				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A			4A	
RCP	3	DOMESTIC PUMP	0.17				120 V	1	4.4 A	3/4"	1	2	12	12	CB	15 A			4A	
UH	11-1	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	11-2	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	11-3	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	11-4	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	12-1	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	22-1	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	22-2	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
UH	22-3	UNIT HEATER	0.70				120 V	1	13.8 A	3/4"	1	2	12	10	CB	15 A	4A			
WH	1	WATER HEATER		0 A	0 A	500 VA	120 V	1	4.2 A	3/4"	1	2	12	12	CB	15 A	4A		12A	
WH	2	WATER HEATER		0 A	0 A	500 VA	120 V	1	4.2 A	3/4"	1	2	12	12	CB	15 A	4A		12A	
WS	1	WATER SOFTENER		0 A	0 A	1080 VA	120 V	1	9.0 A	3/4"	1	2	12	12	CB	20 A			12A	

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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
CLIENT NUMBER: 17025
ENGINEER

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

REV	DATE	DESCRIPTION
2	7/15/26	Addendum 2
3	7/22/26	Addendum 3

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

SCHEDULES AND NOTES

E005

7/22/2026 12:22:34 PM

GENERAL POWER SHEET NOTES

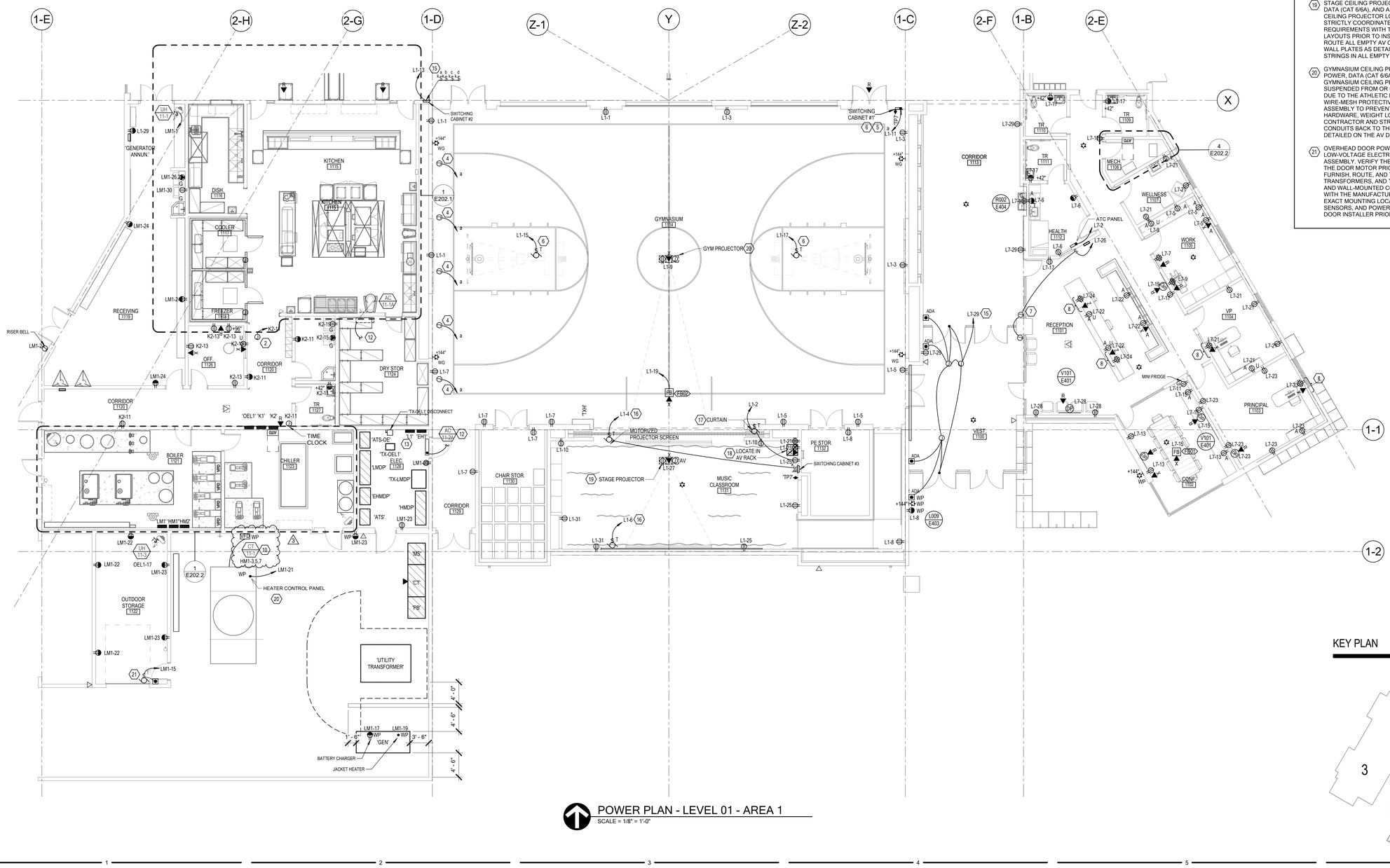
1. COORDINATE PLACEMENT OF ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE DEVICES ARE SHOWN IN SAME WALL SPACE, ALIGN VERTICALLY AND HORIZONTALLY. COORDINATE WITH ARCHITECTURAL DRAWINGS, ATHLETIC SAFETY WALL PADDING AND CABINETRY DRAWINGS.
2. ALL THE LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, SOUND AMPLIFICATION, ETC. TO BE ROUTED THROUGH CONDUIT IN EXPOSED AND CLOUDED CEILING AREAS.
3. ALL LOW VOLTAGE WIRE/CABLE FOR LIGHTING SENSORS, AUDIO/VISUAL EQUIPMENT, CLASSROOM SOUND AMPLIFICATION, ETC. TO BE PROPERLY SUPPORTED PER THE TELE/DATA SPEC. AND AT 5'-0" INTERVALS AND TO FOLLOW BUILDING STRUCTURAL LINES. PULLING WIRE DIAGONALLY ACROSS ROOMS IS NOT ALLOWED. USING CEILING SYSTEM OR LIGHT FIXTURE SUPPORT/SEISMIC WIRES FOR SUPPORT IS NOT ALLOWED.
4. PROVIDE GFCI PROTECTION ON ALL DEVICES AND EQUIPMENT PER THE NEC REQUIREMENTS. DEVICES SHALL BE READILY ACCESSIBLE. IF ANY OUTLET IS INSTALLED WITHIN 6 FEET OF OUTSIDE EDGE OF SINK, CONTRACTOR SHALL PROVIDE GFCI RECEPTACLE PER NEC, WHETHER SHOWN OR NOT.
5. ALL RECEPTACLES LOCATED THROUGHOUT THE BUILDING SHALL BE TAMPER RESISTANT PER NEC 406.12.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.
7. FOR VAV POWER, PROVIDE A DEDICATED 120V/20A CIRCUIT FROM A PANEL LOCATED IN THE ELECTRICAL ROOM OF THE ASSOCIATED QUADRANT. COORDINATE EXACT LOCATION OF ALL VAV BOXES WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
8. PROVIDE 120V CIRCUIT FROM NEAREST PROVIDED CIRCUIT FOR FIRE/SMOKE DAMPER RELAYS. PROVIDE FIRE ALARM MODULES AND RELAYS AS NECESSARY FOR ALL FIRE/SMOKE DAMPERS SHOWN ON DIVISION 23 DRAWINGS. ALL FIRE/SMOKE DAMPERS SHALL HAVE A MANUAL OVERRIDE SWITCH. PROVIDE DUCT DETECTOR WITHIN 5 FEET OF EACH FIRE/SMOKE DAMPER.
9. CONTRACTOR TO COORDINATE ALL LOCATIONS OF FIRE/SMOKE AND SMOKE DAMPERS WITH MECHANICAL CONTRACTOR. CONTRACTOR TO PROVIDE POWER, MONITOR MODULES, AND RELAYS AS REQUIRED FOR A COMPLETE SYSTEM.

SHEET KEYNOTES

1. COORDINATE WITH CONTROLS MANUFACTURER PRIOR TO INSTALL.
2. PROVIDE JUNCTION BOX ABOVE ACCESSIBLE CEILING FOR VAV CONTROL TRANSFORMER. CONTROLS CONTRACTOR TO MAKE CONNECTION TO CONTROL TRANSFORMER AND VAV BOXES. COORDINATE EXACT LOCATION OF JUNCTION BOXES WITH CONTROLS CONTRACTOR, PRIOR TO ROUGH-IN.
3. PROVIDE POWER FOR MOTORIZED DOOR. LOCATE MOTORIZED DOOR SWITCHES IN THE SWITCHING CABINET.
4. PROVIDE RACEWAY AND WIRE FOR MOTOR BACK TO WINDOW SHADE CONTROLLER, COORDINATE LOCATION OF JUNCTION BOX WITH SHOP DRAWINGS AND ARCHITECT SO THAT ALL ELECTRICAL CONNECTIONS ARE CONCEALED BY SHADE HEADER. PROVIDE CONDUIT AND ALL WIRE, TERMINATIONS ETC. GROUP MOTORS TOGETHER AS INDICATED e.g. 'a', 'b', 'c', 'd'.
5. PROVIDE HEAVY DUTY INDOOR KEYED SWITCHES TO CONTROL WINDOW SHADES WITHIN THE SWITCHING CABINET TO CONTROL SHADES WITHING GYMNASIUM. GROUP SHADES TOGETHER AS INDICATED. VERIFY EXACT LOCATION OF SWITCHES WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN.
6. WIRE BASKETBALL STANDARD MOTOR AS REQUIRED. LOCATE AND TERMINATE COMPLETELY THE CONTROLLER E.G. SWITCHES, TRANSFORMERS, TERMINAL BLOCK. # OF WIRES, ETC. PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE AND LOCATE MOTORIZED BACKBOARD SWITCHES (NUMBER AS REQ.) IN SWITCHING CABINET (WITHIN BOTH SWITCHING CABINETS). SEE DIAGRAM P004/E405 FOR MORE INFORMATION.
7. PROVIDE RACEWAY AND WIRE FOR MOTOR BACK TO WINDOW SHADE KEYED SWITCH IN RECEPTION 1101, COORDINATE LOCATION OF JUNCTION BOX WITH SHOP DRAWINGS AND ARCHITECT SO THAT ALL ELECTRICAL CONNECTIONS ARE CONCEALED BY SHADE HEADER. PROVIDE CONDUIT AND ALL WIRE, TERMINATIONS ETC.
8. MOUNT DEVICES IN KNEE SPACE. VERIFY ALL REQUIREMENTS WITH MILLWORK INSTALLER. COORDINATE DEVICE LOCATIONS WITH ARCHITECT.
10. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR AND COOLING TOWER MANUFACTURER TO DETERMINE ALL ELECTRICAL REQUIREMENTS ASSOCIATED WITH THE CT-1 VIBRATION SWITCH, INCLUDING POWER, CONTROL, ALARM, AND EQUIPMENT SHUTDOWN INTERLOCK WIRING. VERIFY CONTACT RATINGS, CONTROL VOLTAGE, POINTS REQUIRED FOR BAS/CONTROLS INTEGRATION, AND ANY MOTOR STARTER OR VFD INTERLOCK REQUIREMENTS. PROVIDE COMPLETE WIRING INSTALLATION AS REQUIRED FOR PROPER SYSTEM OPERATION.
11. PROVIDE POWER AND DATA OUTLETS FOR STAGE PROJECTOR. CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXACT ROUGH-IN LOCATION AND REQUIREMENTS WITH AV INTEGRATOR.
DOOR INSTALLER PRIOR TO ROUGH-IN.

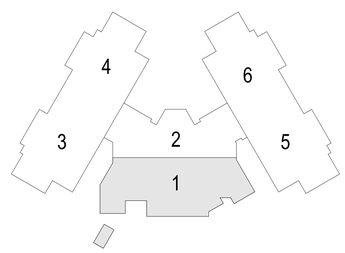
SHEET KEYNOTES

12. INDOOR UNIT POWER FED FROM EXTERIOR CONDENSING UNIT. COORDINATE CABLING AND TERMINATION REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
13. TRANSFORMER TO BE WALL MOUNTED ABOVE DISCONNECT. PROVIDE ALL SUPPLIES BRACKETS AND FASTENERS NECESSARY FOR A PROPER AND SECURE INSTALLATION.
14. COORDINATE MOTOR AND KEYED SWITCH FINAL LOCATIONS AND TERMINATION REQUIREMENTS WITH MANUFACTURER SHOP DRAWINGS.
15. ADA DOOR & ACS INTEGRATION: PROVIDE ALL REQUIRED LINE-VOLTAGE AND LOW-VOLTAGE ELECTRICAL CONNECTIONS FOR THE ADA ENTRY SYSTEM. VERIFY THE EXACT VOLTAGE AND NAMEPLATE POWER RATINGS OF THE SPECIFIED DOOR OPERATOR PRIOR TO ROUGH-IN. THE ELECTRICAL CONTRACTOR SHALL FURNISH, ROUTE, AND TERMINATE ALL NECESSARY CABLING, TRANSFORMERS, AND TERMINAL BLOCKS TO FULLY CONNECT THE DOOR OPERATOR AND PUSH-BUTTON ACTUATORS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. INTERFACE THE ADA OPERATOR WITH THE BUILDING ACCESS CONTROL SYSTEM, ENSURING THE CARD READER AND ADA SEQUENCE OF OPERATION ARE FULLY PROGRAMMED TO MEET THE OWNER'S SECURITY REQUIREMENTS. STRICTLY COORDINATE THE EXACT MOUNTING LOCATIONS OF ALL PUSH-BUTTON ACTUATORS WITH THE ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. SEE ELECTRICAL DIAGRAMS E007 AND E402 FOR COMPLETE WIRING TOPOLOGY AND INTEGRATION DETAILS.
16. MOTORIZED AV PROJECTION SCREEN POWER & CONTROL: PROVIDE DEDICATED POWER TO THE MOTORIZED AV PROJECTION SCREEN AS INDICATED. THE ELECTRICAL CONTRACTOR SHALL FURNISH, ROUTE, AND TERMINATE ALL REQUIRED LINE-VOLTAGE CABLING, LOW-VOLTAGE CONTROL WIRING, TRANSFORMERS, AND TERMINAL BLOCKS TO FULLY CONNECT THE SCREEN CONTROLLER IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. STRICTLY COORDINATE EXACT MOUNTING LOCATIONS, POWER DISCONNECTSR, AND TERMINATION REQUIREMENTS WITH THE AV CONTRACTOR AND APPROVED AV SHOP DRAWINGS PRIOR TO ROUGH-IN. PROVIDE AND INSTALL THE MOTORIZED PROJECTOR SCREEN CONTROL SWITCH WITHIN SWITCHING CABINET #3 AS DETAILED.
17. MOTORIZED STAGE CURTAIN POWER & CONTROL: PROVIDE DEDICATED POWER TO THE MOTORIZED STAGE CURTAIN RIGGING AND MOTOR SYSTEM AS INDICATED. THE ELECTRICAL CONTRACTOR SHALL FURNISH, ROUTE, AND TERMINATE ALL REQUIRED LINE-VOLTAGE CABLING, LOW-VOLTAGE CONTROL WIRING, TRANSFORMERS, AND TERMINAL BLOCKS TO FULLY CONNECT THE CURTAIN CONTROLLER IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. STRICTLY COORDINATE EXACT MOUNTING LOCATIONS, POWER DISCONNECTS, AND TERMINATION REQUIREMENTS WITH THE THEATRICAL EQUIPMENT CONTRACTOR AND APPROVED SHOP DRAWINGS PRIOR TO ROUGH-IN. PROVIDE AND INSTALL THE MOTORIZED STAGE CURTAIN CONTROL SWITCH WITHIN SWITCHING CABINET #3 AS DETAILED.
18. DEVICE MOUNTED BEHIND AV RACK. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECTURAL/AUDIOVISUAL ELEVATIONS AND WITH AV INSTALLER PRIOR TO ROUGH-IN. POWER, DATA AND AV JUNCTION BOXES SHALL BE INSTALLED IN THE SAME STUD/CMU WALL CAVITY.
19. STAGE CEILING PROJECTOR INFRASTRUCTURE: PROVIDE DEDICATED 120V POWER, DATA (CAT 6/6A), AND AUDIO-VISUAL (AV) CONDUIT INFRASTRUCTURE TO THE STAGE CEILING PROJECTOR LOCATION AS INDICATED. THE ELECTRICAL CONTRACTOR SHALL STRICTLY COORDINATE THE EXACT MOUNTING LOCATION, ELEVATION, AND ROUGH-IN REQUIREMENTS WITH THE AV CONTRACTOR, THEATRICAL RIGGING, AND LIGHTING LAYOUTS PRIOR TO INSTALLATION TO ENSURE AN UNOBSTRUCTED PROJECTION PATH. ROUTE ALL EMPTY AV CONDUITS BACK TO THE DESIGNATED AV RACK OR LOCAL INPUT WALL PLATES AS DETAILED ON THE AV DRAWINGS. PROVIDE BUSHINGS AND PULL STRINGS IN ALL EMPTY CONDUITS.
20. GYMNASIUM CEILING PROJECTOR & PROTECTIVE CAGE: PROVIDE DEDICATED 120V POWER, DATA (CAT 6/6A), AND AUDIO-VISUAL (AV) CONDUIT INFRASTRUCTURE TO THE GYMNASIUM CEILING PROJECTOR MOUNTING LOCATION. THE PROJECTOR SHALL BE SUSPENDED FROM OR MOUNTED ADJACENT TO THE EXPOSED STRUCTURAL TRUSSES. DUE TO THE ATHLETIC ENVIRONMENT, PROVIDE AND SECURELY INSTALL A HEAVY-DUTY, WIRE-MESH PROTECTIVE CAGE ENCLOSING THE ENTIRE PROJECTOR AND MOUNT ASSEMBLY TO PREVENT IMPACT DAMAGE. STRICTLY COORDINATE EXACT MOUNTING HARDWARE, WEIGHT LOADS, CAGE DIMENSIONS, AND LENS CLEARANCES WITH THE AV CONTRACTOR AND STRUCTURAL DRAWINGS PRIOR TO ROUGH-IN. ROUTE ALL EMPTY AV CONDUITS BACK TO THE DESIGNATED AV RACK OR LOCAL INPUT WALL PLATES AS DETAILED ON THE AV DRAWINGS.
21. OVERHEAD DOOR POWER & CONTROL: PROVIDE ALL REQUIRED LINE-VOLTAGE AND LOW-VOLTAGE ELECTRICAL CONNECTIONS FOR THE MOTORIZED OVERHEAD DOOR ASSEMBLY. VERIFY THE EXACT VOLTAGE, PHASE, AND NAMEPLATE POWER RATINGS OF THE DOOR MOTOR PRIOR TO ROUGH-IN. THE ELECTRICAL CONTRACTOR SHALL FURNISH, ROUTE, AND TERMINATE ALL NECESSARY CABLING, CONTROL WIRING, TRANSFORMERS, AND TERMINAL BLOCKS TO FULLY CONNECT THE DOOR OPERATOR AND WALL-MOUNTED CONTROL STATION (UP/DOWN/STOP) IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. STRICTLY COORDINATE THE EXACT MOUNTING LOCATIONS OF THE CONTROL STATION, PHOTO-EYE SAFETY SENSORS, AND POWER DISCONNECT WITH THE ARCHITECTURAL ELEVATIONS AND DOOR INSTALLER PRIOR TO ROUGH-IN.



POWER PLAN - LEVEL 01 - AREA 1
SCALE = 1/8" = 1'-0"

KEY PLAN



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SALT LAKE CITY, UT 84102
801.575.8800
ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070
VCBO.COM
VCBO NUMBER: 25315
CLIENT NUMBER: 17025
Designer

PROFESSIONAL ENGINEER
JOSHUA DAKENSO
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

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3	7/22/26	Addendum 3

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POWER PLAN - LEVEL 01 - AREA 1

E111.2

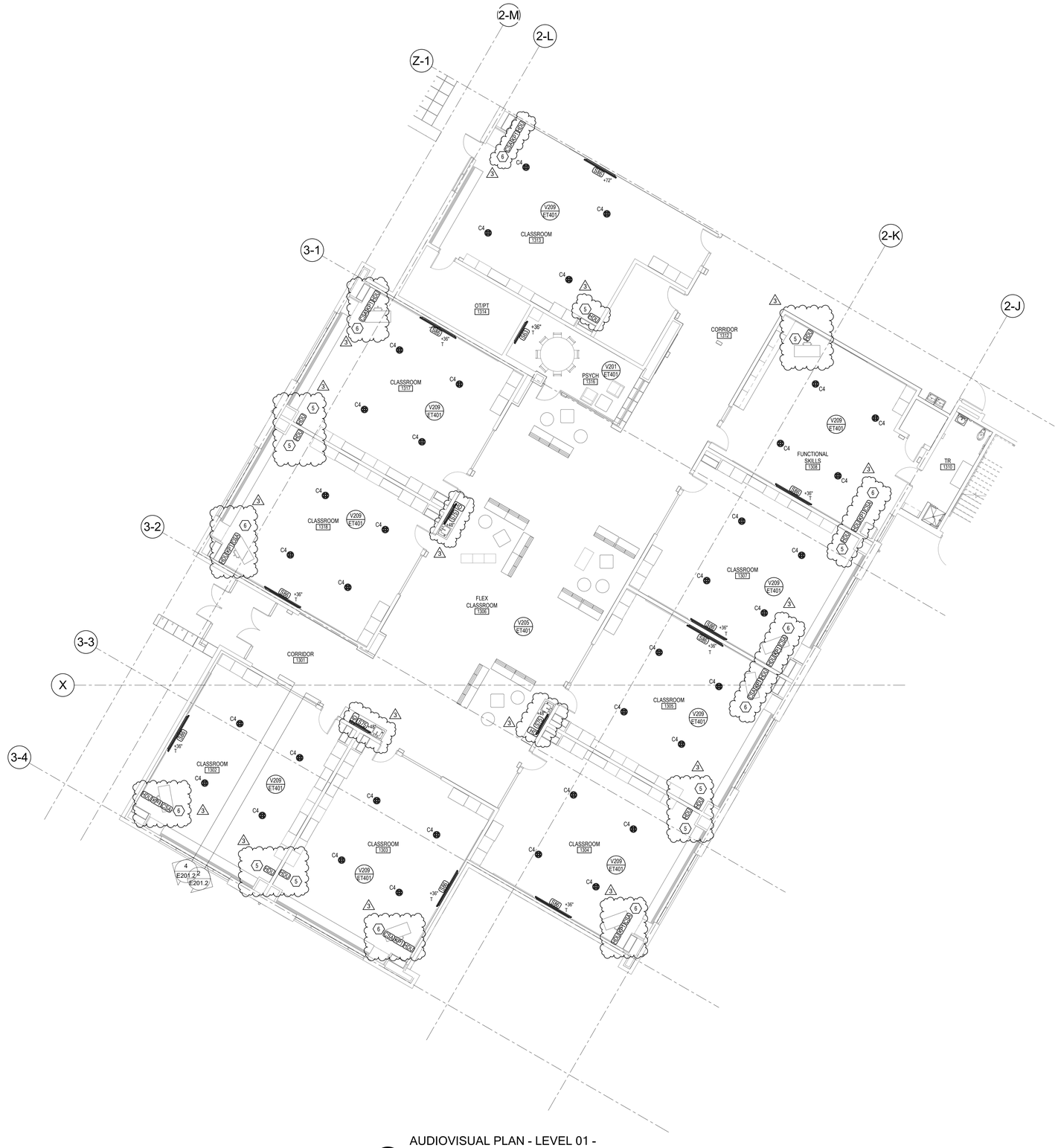
7/22/2026 12:31:39 PM

GENERAL NOTES

1. AV DEVICES LOCATED IN THE COLLABORATION AREA ARE FOR ROUGH-IN ONLY. DEVICES WILL BE INSTALLED AT A LATER DATE. REFER TO SHEET ET001 FOR CONDUIT SIZE, CABLING, AND OTHER ROUGH-IN REQUIREMENTS.
2. ALL COLOR FOR DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.

SHEET KEYNOTES

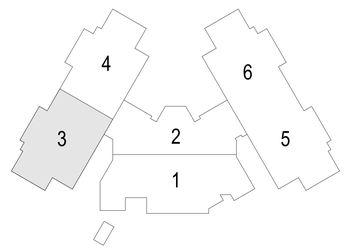
1. INSTALL CEILING EQUIPMENT CABINET IN DROP-IN CEILING OF SOFFIT. COORDINATE EXACT LOCATION WITH OWNER.
2. DEVICE LOCATED IN FLOOR BOX.
3. HOME RUN THIS CABLING TO THE 'R1' EQUIPMENT CABINET LOCATED ON PLATFORM 1129
4. DIGITAL SIGNAGE SHALL BE STREAMED TO EACH DISPLAY IN THE COLLABORATION AREA WHEN MEDIA IS NOT CONNECTED TO WALL PLATES.
5. ROUGH-IN LOCATION ONLY.
6. LEAVE ADDITIONAL 25' OF CABLE LENGTH ABOVE CEILING TO MOVE TO ROUGH-IN LOCATION IN NEEDED.



AUDIOVISUAL PLAN - LEVEL 01 - AREA 3

SCALE = 1/8" = 1'-0"

KEY PLAN



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ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
Designer

PROFESSIONAL ENGINEER — JOSHUA DAKENDA — STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
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AUDIOVISUAL PLAN - LEVEL 01 - AREA 3

ET113.1

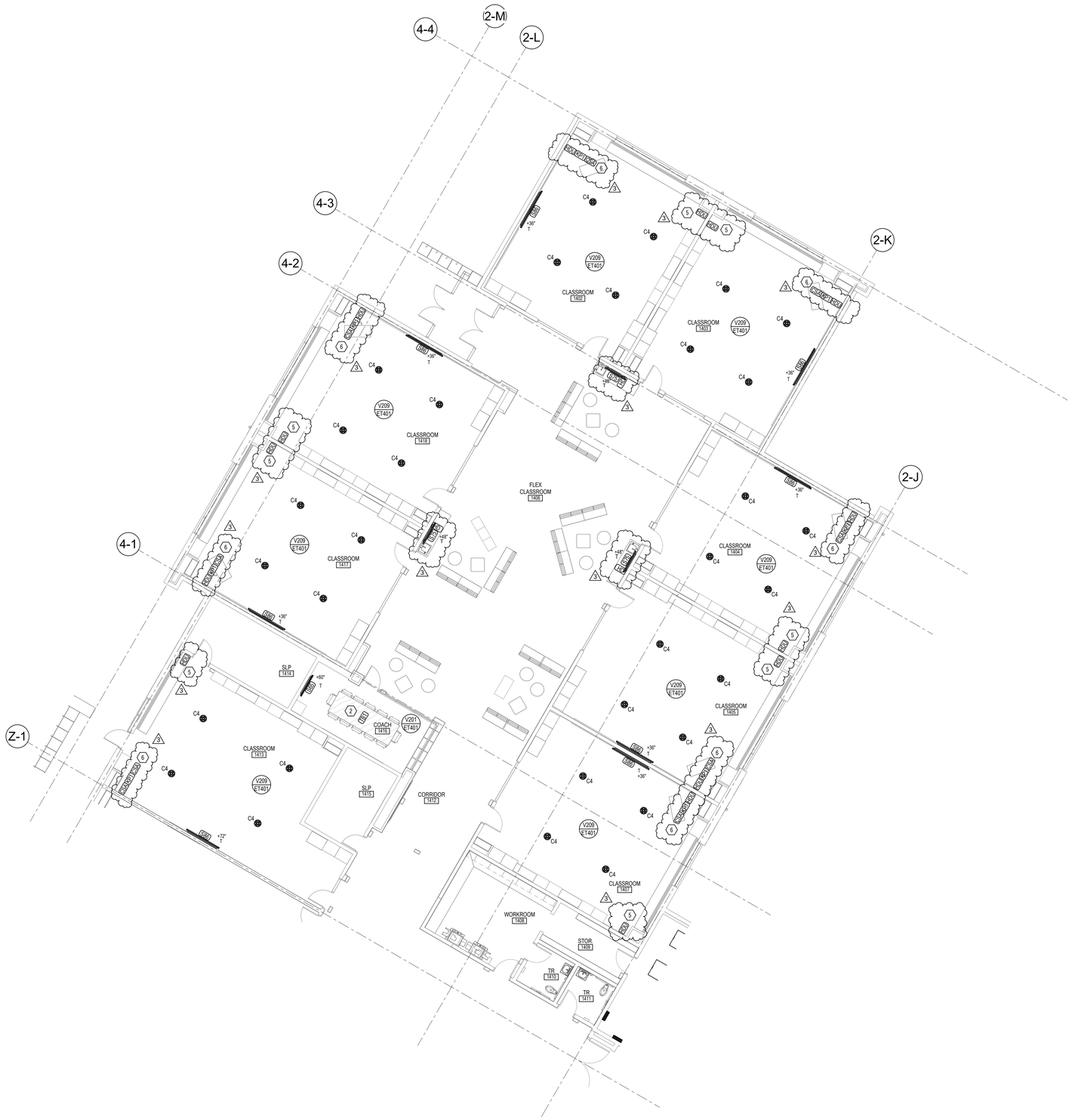
7/22/2026 12:22:38 PM

GENERAL NOTES

1. AV SYMBOLS LOCATED IN THE COLLOBORATION AREA FOR ROUGH-IN ONLY. DEVICES WILL BE INSTALLED AT A LATER DATE. FOLLOW THE SYMBOL SCHEDULE FOR CONDUIT SIZE, CABLING AND OTHER ROUGH-IN INSTRUCTIONS.
2. ALL COLOR FOR DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.

SHEET KEYNOTES

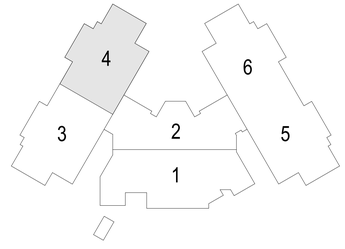
2. DEVICE LOCATED IN FLOOR BOX.
3. HOME RUN THIS CABLING TO THE 'R1' EQUIPMENT CABINET LOCATED ON PLATFORM 1129.
4. DIGITAL SIGNAGE SHALL BE STREAMED TO EACH DISPLAY IN THE COLLABORATION AREA, WHEN MEDIA IS NOT CONNECTED TO WALL PLATES.
5. ROUGH-IN LOCATION ONLY.
6. LEAVE ADDITIONAL 25' OF CABLE LENGTH ABOVE CEILING TO MOVE TO ROUGH-IN LOCATION IN NEEDED.



AUDIOVISUAL PLAN - LEVEL 01 - AREA 4

SCALE = 1/8" = 1'-0"

KEY PLAN



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ST. GEORGE, UT 84770
435.522.7070

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Designer

JOSHUA OAKESON — PROFESSIONAL ENGINEER — STATE OF UTAH

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AUDIOVISUAL PLAN - LEVEL 01 - AREA 4

ET114.1

7/22/2026 12:22:41 PM

GENERAL NOTES

1. AV SYMBOLS LOCATED IN THE COLLOBORATION AREA ARE FOR ROUGH-IN ONLY. DEVICES WILL BE INSTALLED AT A LATER DATE. FOLLOW THE SYMBOL SCHEDULE FOR CONDUIT SIZE, CABLING AND OTHER ROUGH-IN INSTRUCTIONS.
2. ALL COLOR FOR DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.

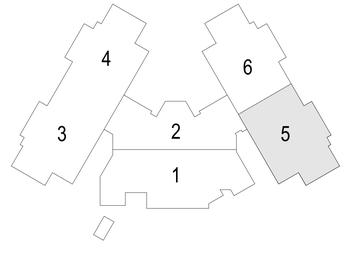
SHEET KEYNOTES

1. INSTALL CEILING EQUIPMENT CABINET IN DROP-IN CEILING OF SOFFIT. COORDINATE EXACT LOCATION WITH OWNER.
2. DEVICE LOCATED IN TABLE TOP
3. HOME RUN THIS CABINET TO THE 'R1' EQUIPMENT CABINET LOCATED ON PLATFORM 1129.
4. DIGITAL SIGNAGE SHALL BE STREAMED TO EACH DISPLAY IN THE COLLABORATION AREA.
5. ROUGH-IN LOCATION ONLY.
6. LEAVE ADDITIONAL 25' OF CABLE LENGTH ABOVE CEILING TO MOVE TO ROUGH-IN LOCATION IN NEEDED.

AUDIOVISUAL PLAN - LEVEL 01 - AREA 5

SCALE = 1/8" = 1'-0"

KEY PLAN



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SALT LAKE CITY, UT 84102
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AUDIOVISUAL PLAN - LEVEL 01 - AREA 5

ET115.1

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GENERAL NOTES

1. AV SYMBOLS LOCATED IN THE COLLABORATION AREA ARE FOR ROUGH-IN ONLY. DEVICES WILL BE INSTALLED AT A LATER DATE. FOLLOW THE SYMBOL SCHEDULE FOR CONDUIT SIZE, CABLING AND OTHER ROUGH-IN INSTRUCTIONS.
2. ALL COLOR FOR DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.

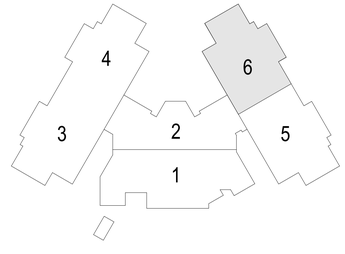
SHEET KEYNOTES

1. INSTALL CEILING EQUIPMENT CABINET IN DROP-IN CEILING OF SOFFIT. COORDINATE EXACT LOCATION WITH OWNER.
2. DEVICE LOCATED IN FLOOR BOX.
3. HOME RUN THIS CABINET TO THE 'R1' EQUIPMENT CABINET LOCATED ON PLATFORM 1129.
4. DIGITAL SIGNAGE SHALL BE STREAMED TO EACH DISPLAY IN THE COLLABORATION AREA.
5. ROUGH IN LOCATION ONLY.
6. LEAVE ADDITIONAL 25' OF CABLE LENGTH ABOVE CEILING TO MOVE TO ROUGH IN LOCATION IF NEEDED.

AUDIOVISUAL PLAN - LEVEL 01 - AREA 6

SCALE = 1/8" = 1'-0"

KEY PLAN



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SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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CLIENT NUMBER: 17025
Designer

PROFESSIONAL ENGINEER
JOSHUA DAKESIAN
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
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AUDIOVISUAL PLAN - LEVEL 01 - AREA 6

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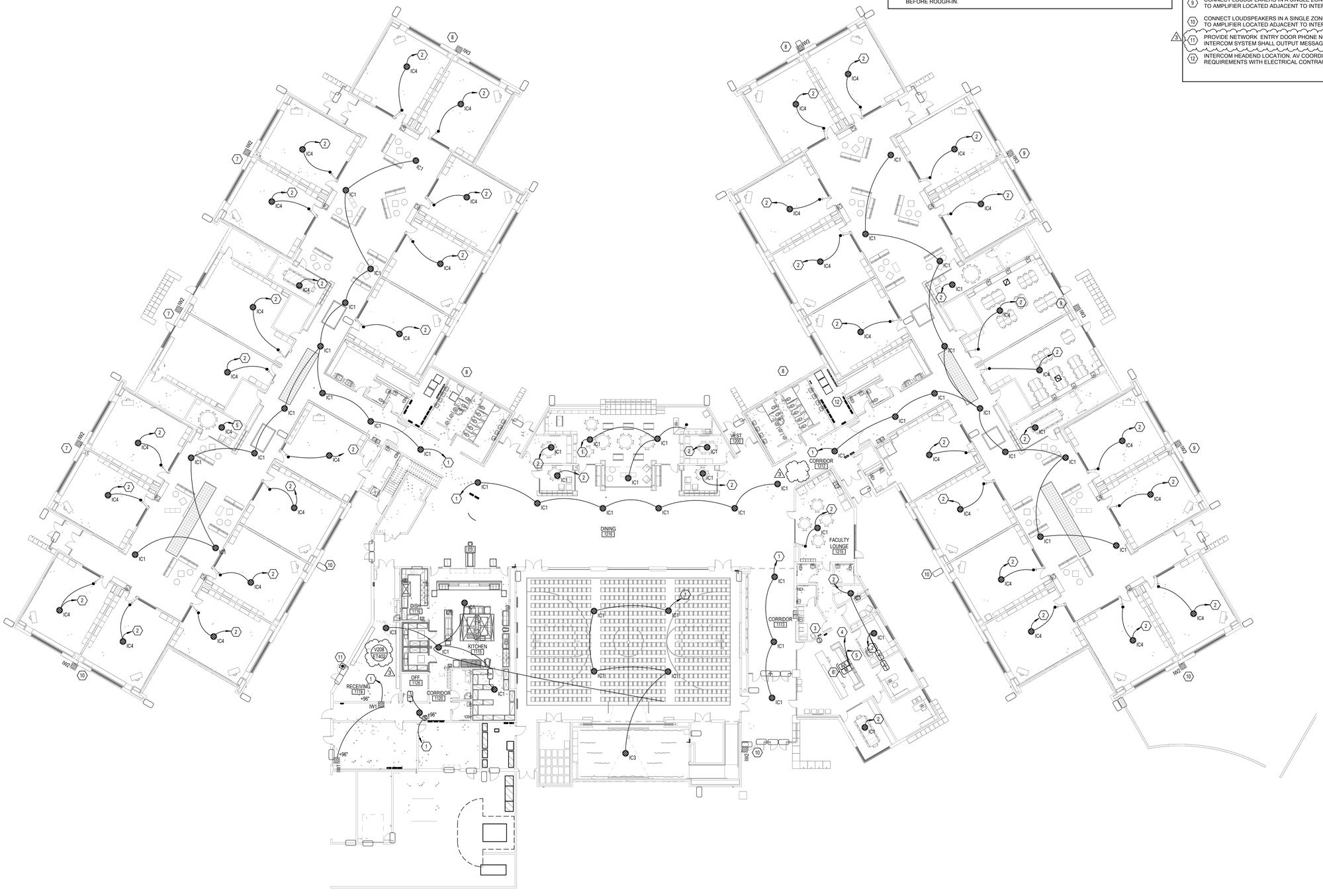

INTERCOM PLAN - LEVEL 01

SCALE = 1/16" = 1'-0"

GENERAL SHEET NOTES

1. WHERE CONDUIT IS EXPOSED INSTALL PARALLEL WITH OR AT RIGHT ANGLES TO BUILDING OR ROOM STRUCTURAL LINES.
2. LOUDSPEAKERS LOCATED WITHIN EXPOSED STRUCTURE CEILINGS TO MATCH COLOR OF SURROUNDING STRUCTURE, THIS INCLUDES SURFACE BACK BOX GRILL, ETC.
3. WIRING FOR INTERCOM SYSTEM IS DIAGRAMMATIC. REFER TO INTERCOM MANUFACTURER'S RECOMMENDATIONS FOR CABLING, WIRING AND CONNECTION REQUIREMENTS. PROVIDE CORRECT WIRING DIAGRAMS IN YOUR SHOP DRAWINGS. REFER TO SPECIFICATIONS FOR SHOP DRAWING REQUIREMENTS.
4. REFER TO ARCHITECTURAL ELEVATIONS FOR ALL WALL-MOUNTED LOUDSPEAKERS.
5. HOMERUN ALL EXTERIOR LOUDSPEAKERS TO INTERCOM HEADEND. REFER TO KEYNOTES FOR ZONING.
6. INSTALL VOLUME ATTENUATOR ADJACENT TO LIGHTING CONTROL. CONTRACTOR TO COORDINATE INSTALLATION OF VOLUME ATTENUATOR WITH LIGHTING CONTROL PRIOR TO ROUGH-IN.
7. INSTALL INTERCOM LOUDSPEAKERS IN THE SAME CEILING TILE AS SMOKE DETECTORS. THIS APPLIES TO ALL HALLWAYS/CORRIDORS.
8. INSTALL INTERCOM LOUDSPEAKERS WITHIN 2 FEET OF SMOKE DETECTOR AND IN LINE WITH OTHER HALLWAY DEVICES WHEN INSTALLED IN GYP CEILINGS.
9. ALL COLOR FOR DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECT BEFORE ROUGH-IN.

SHEET KEYNOTES

1. CONNECT THESE INTERCOM LOUD SPEAKERS TOGETHER IN A SINGLE ZONE. PROVIDE HOMERUN TO INTERCOM HEADEND.
2. HOMERUN INTERCOM CABLING TO INTERCOM HEADEND.
3. INTERCOM CALL DISPLAY LOCATION. REFER TO SPECIFICATION FOR MAKE AND MODEL. AV CONTRACTOR TO COORDINATE ROUGH-IN REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.
4. PROVIDE GROMMET CABLING PASS THROUGH.
5. PROVIDE (1) 6' 3.5MM CABLE FROM WALL PLATE TO COUNTERTOP. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. HOMERUN CABLLING TO INTERCOM HEADEND.
6. PUSH TO TALK PAGING MICROPHONE LOCATION. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. CONNECT MICROPHONE CABLING TO WALL PLATE LOCATED BELOW COUNTERTOP HOMERUN CABLING TO INTERCOM HEADEND.
7. CONNECT LOUDSPEAKERS IN A SINGLE ZONE AND LABEL EXTERIOR ZONE 1. HOMERUN TO AMPLIFIER LOCATED ADJACENT TO INTERCOM HEADEND.
8. CONNECT LOUDSPEAKERS IN A SINGLE ZONE AND LABEL EXTERIOR ZONE 2. HOMERUN TO AMPLIFIER LOCATED ADJACENT TO INTERCOM HEADEND.
9. CONNECT LOUDSPEAKERS IN A SINGLE ZONE AND LABEL EXTERIOR ZONE 3. HOMERUN TO AMPLIFIER LOCATED ADJACENT TO INTERCOM HEADEND.
10. CONNECT LOUDSPEAKERS IN A SINGLE ZONE AND LABEL EXTERIOR ZONE 4. HOMERUN TO AMPLIFIER LOCATED ADJACENT TO INTERCOM HEADEND.
11. PROVIDE NETWORK ENTRY DOOR PHONE NQ-EDP01. WHEN BUTTON IS PRSSED INTERCOM SYSTEM SHALL OUTPUT MESSAGEINTO THE KITCHEN/ RECEIVING ZONE.
12. INTERCOM HEADEND LOCATION. AV COORDINATOR TO COORDINATE ROUGH-IN REQUIREMENTS WITH ELECTRICAL CONTRACTOR PRIOR TO ROUGH-IN.

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524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

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CLIENT NUMBER: 17025
Designer

PROFESSIONAL ENGINEER
JOSHUA DAKENDS
7370210-2202
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
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INTERCOM PLAN - LEVEL 01

ET202

7/22/2026 12:23:00 PM

GENERAL DIAGRAM NOTES:

A. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT INTERCOM SYSTEM REMAINS FUNCTIONAL FOR ALL OCCUPIED AREAS OF THE BUILDING THROUGH ALL PHASES OF CONSTRUCTION. THE USE OF CEILING SYSTEM FOR LIGHT FIXTURE SUPPORT FOR INTERCOM CABLING IS NOT PERMITTED. MAINTAIN PROPER BEND RADIUS FOR ALL CABLING THROUGHOUT THE LENGTH OF THE CABLE RUN.
B. PROVIDE (1) PAGING MODULE FOR EACH CORRIDOR THAT WILL REQUIRE A SEPARATE ZONE. REFER TO DRAWINGS AND SPECIFICATIONS FOR ZONE DESIGNATION.
C. EACH CORRIDOR ZONE SHALL BE ON A SEPARATE AMPLIFIER CHANNEL.
D. MULTIPLE ZONES SHALL NOT SHARE A SINGLE AMPLIFIER CHANNEL.
E. COORDINATE WITH OWNER FOR ZONE GROUPING INFORMATION PRIOR TO FINAL WALK THROUGH.

DIAGRAM NOTES: (6)

1. PROVIDE (2) RELAYS FROM INTERCOM SYSTEM TO ACCESS CONTROL SYSTEM. (1) RELAY WILL TRIGGER A PREVENTATIVE LOCK DOWN AND (1) WILL TRIGGER A EMERGENCY LOCK DOWN. COORDINATE EXACT TERMINATION AND PROGRAMMING REQUIREMENTS WITH ACCESS CONTROL INSTALLER.
2. IP MODULE IS A SINGLE CHANNEL MODULE. REFER TO ETAXX SERIES SHEETS FOR LOCATION OF SINGLE ZONES. IP MODULE SHALL BE LOCATED IN TELECOM ROOM UNLESS OTHERWISE NOTED.
3. COORDINATE WITH DRAWINGS FOR EXACT NUMBER OF GATEWAYS REQUIRED.
4. GATEWAY SHOWN FOR REFERENCE ONLY. REFER TO DRAWINGS FOR EXACT NUMBER OF GATEWAYS, AMPLIFIERS AND IP MODULES REQUIRED FOR A COMPLETE AND WORKING SYSTEM.
5. EXTERIOR LOUDSPEAKERS ARE HOMERUNS BACK TO HEADEND. CONNECT NO MORE THAN 1 TO A PORT.
6. COMMON ZONE CONNECTIONS. MAXIMUM NUMBER OF LOUDSPEAKERS CONNECTED TO A GATEWAY INPUT IS 3. COMMON ZONE CONNECTIONS LARGER THAN 3 WILL REQUIRE AN EXTERNAL AMPLIFIER.
7. ROOMS INDICATED ON PLANS WITH CALL SWITCHES SHALL HAVE A CALL SWITCH AND LOUDSPEAKER WITHIN THE ROOM. REFER TO TYPICAL CALL SWITCH CONNECTION DIAGRAM FOR REQUIREMENTS.
8. ZONES INDICATED ON PLANS WITH MORE THAN 3 LOUDSPEAKERS. REFER TO PLANS FOR NUMBER OF AMPLIFIERS REQUIRED.

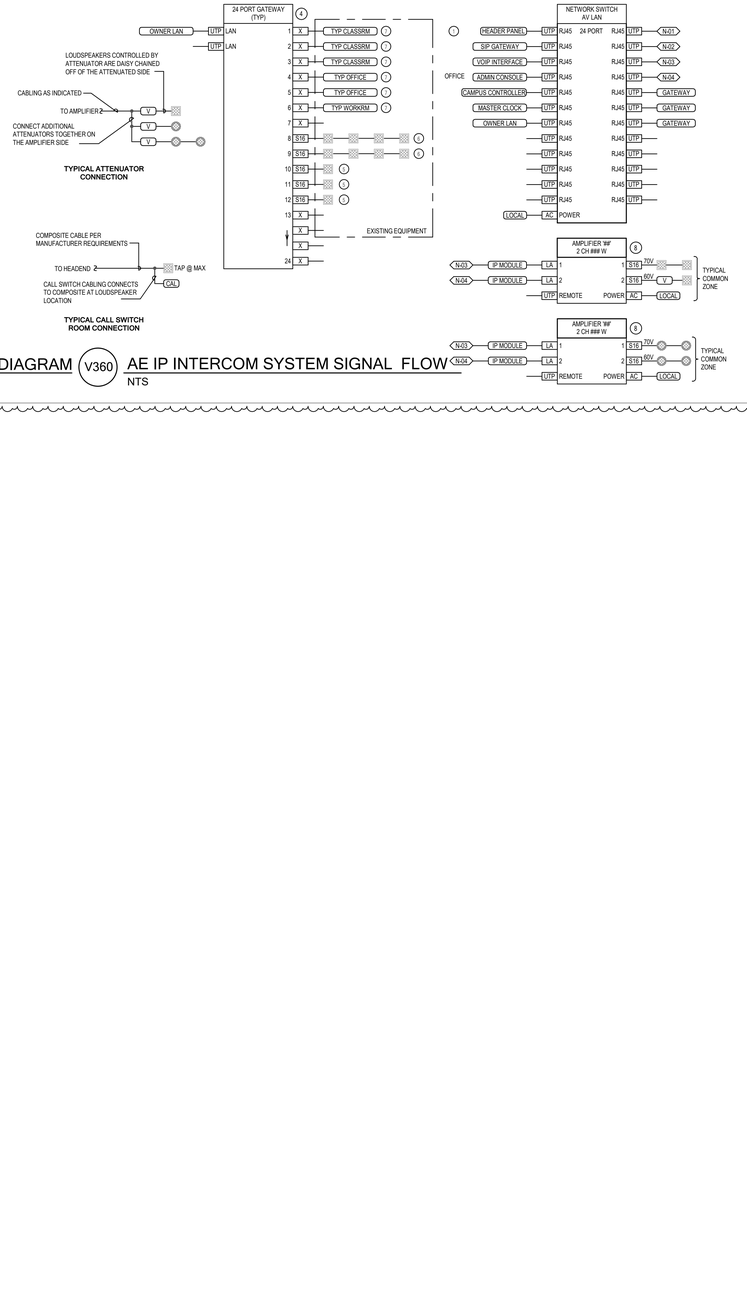

DIAGRAM V360 AE IP INTERCOM SYSTEM SIGNAL FLOW
NTS

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435.522.7070

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VCBO NUMBER: 25315
CLIENT NUMBER: 17025
Designer

PROFESSIONAL ENGINEER
JOSHUA D. AKENSON
STATE OF UTAH

RESOLUT
40 W Cache Valley Blvd., Bldg 1, Suite B,
Logan, UT 84341 | (435) 752-5081
info@resolutgroup.com | resolutgroup.com

REV	DATE	DESCRIPTION
3	7/22/26	Addendum 3

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2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

AUDIOVISUAL DIAGRAMS

ET402

7/22/2026 12:23:00 PM

25315 - BESD TREMONTON ELEMENTARY
2900 West 500 North Tremonton, UT

Project No. 25315

Addendum **SADD-3.0**

To: DWA Construction
76 W 2400 N, North Logan, UT 84341

Reason: Coordination

Date: **Thu July 23, 2026**

ADDENDUM 003

Structural:

Structural Addendum 03
07/23/2026

See the attached narrative and drawings from Ensign Eng.

END OF SADD-3.0

Issued By: **Ensign Engineering:** Marlow Vasquez

cc:

Gerald Jackman	Box Elder School District (BESD)	gerald.jackman@besd.net
Nathan Hansen	DWA Construction	dwanate.h@dwaconstruct.com
Nathan Tilley	DWA Construction	nathan.t@dwaconstruct.com
Shane Wilde	DWA Construction	shanew@dwaconstruct.com
Wayne Anderson	DWA Construction	wayne.a@dwaconstruct.com
Marlow Vasquez	Ensign Engineering	mvasquez@ensignutah.com
Scott Roche	Ensign Engineering	sroche@ensignutah.com
Jacob Lewis	Meridian Engineering Inc	jlewis@meiamerica.com
Nichole Luthi	Meridian Engineering Inc	nluthi@meiamerica.com
Brian Ramos	Resolut (Formerly VBFA + BNA)	bramos@resolutgroup.com
Drayton Bailey	Resolut (Formerly VBFA + BNA)	dbailey@resolutgroup.com
Eric Skinkis	Resolut (Formerly VBFA + BNA)	eskinkis@resolutgroup.com
Zachary Edgren	Resolut (Formerly VBFA + BNA)	zedgren@resolutgroup.com
Breanna Bonsavage	VCBO Architecture	bbonsavage@vcbo.com
Justen Christensen	VCBO Architecture	jrchristensen@vcbo.com
Pamela Irvine	VCBO Architecture	pirvine@vcbo.com
Samuel Riley	VCBO Architecture	sriley@vcbo.com
Mack Moulton	Van Boerum & Frank Associates (Now Resolut)	mmoulton@resolutgroup.com
Spencer Howell	Van Boerum & Frank Associates (Now Resolut)	showell@resolutgroup.com

ADDENDUM - 003

July 22, 2026

ENSIGN
THE STANDARD IN ENGINEERING

Structural Engineering
Municipal Services
Civil Engineering
Land Surveying

VCBO Architecture
524 South 600 East
Salt Lake City, Utah 84102

RE: Addendum ADD-3.0
BESD Tremonton ES – Project No. 7468B
2900 West & 500 North
Tremonton, Utah

Please include the following revised sheets as part of Addendum ADD-3.0

Structural Sheets

S111: Foundation Key Note 01 adjusted.

S112: Foundation Key Note 01 adjusted.

S113: Foundation Key Note 01 adjusted.

S114: Foundation Key Note 01 adjusted.

S115: Foundation Key Note 01 adjusted.

S116: Foundation Key Note 01 adjusted.

End of Addendum ADD-3.0

Marlow M. Vasquez, PE
Project Manager

Scott B. Roche, PE, SE
Principal

FOUNDATION KEYED NOTES

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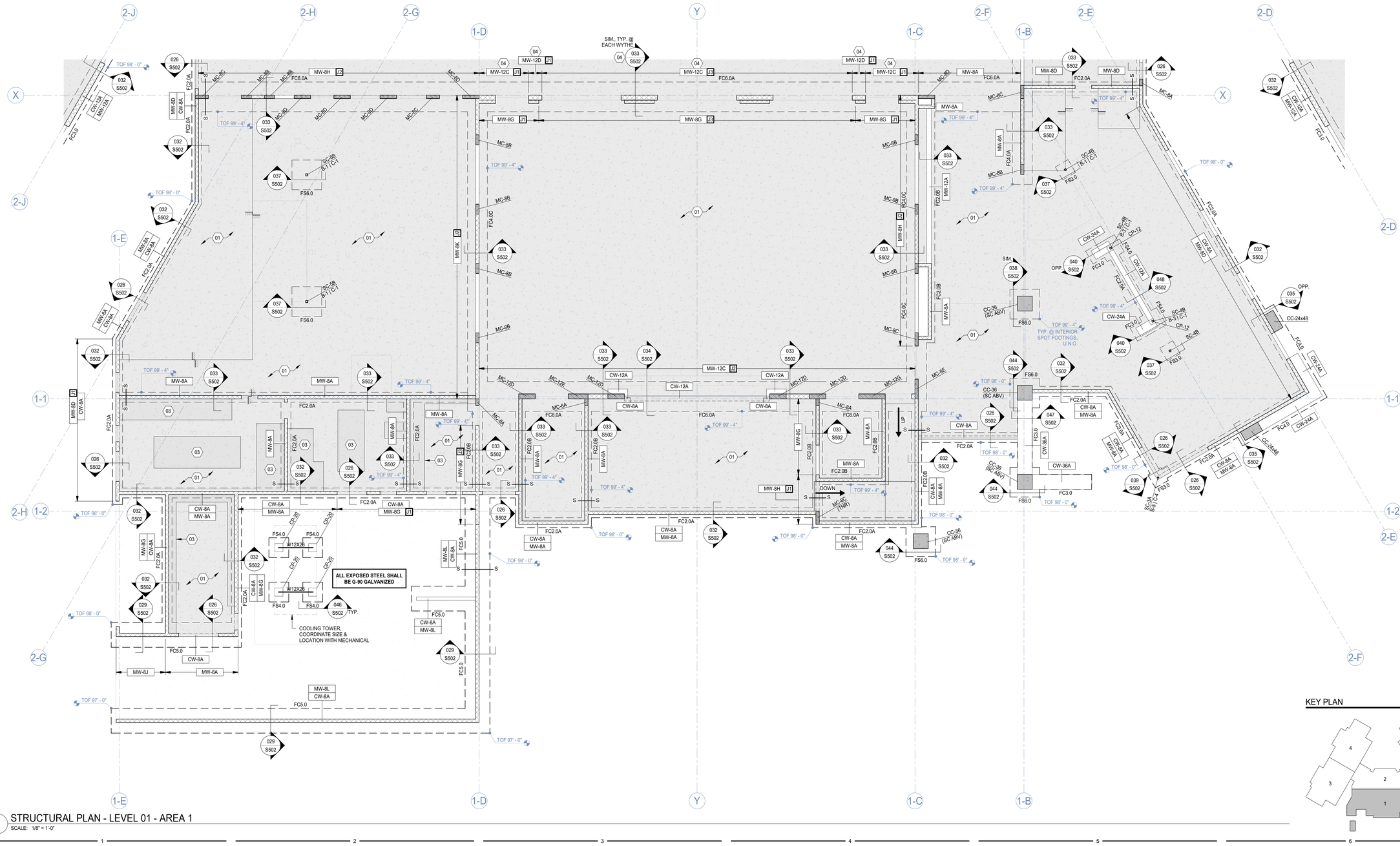
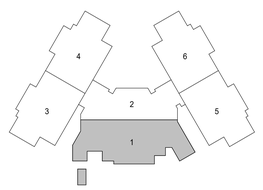


1 STRUCTURAL PLAN - LEVEL 01 - AREA 1
SCALE: 1/8" = 1'-0"

KEY PLAN



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STRUCTURAL PLAN - LEVEL 01 - AREA 1

S111

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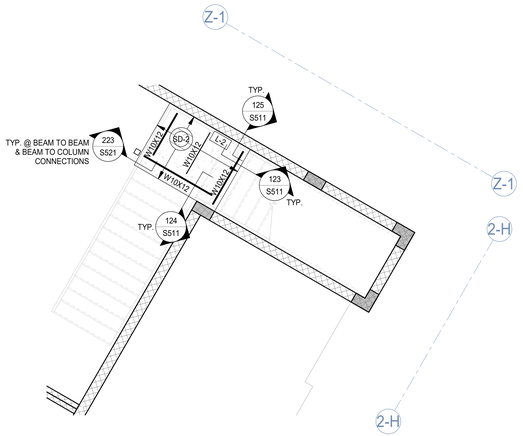
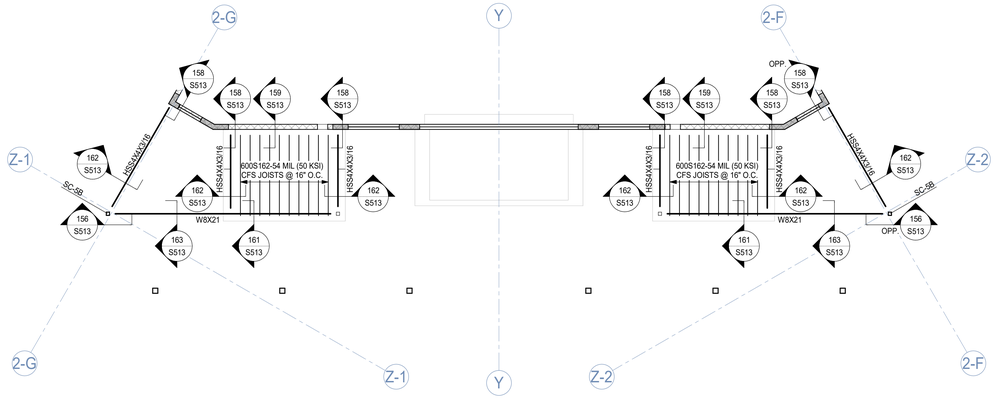
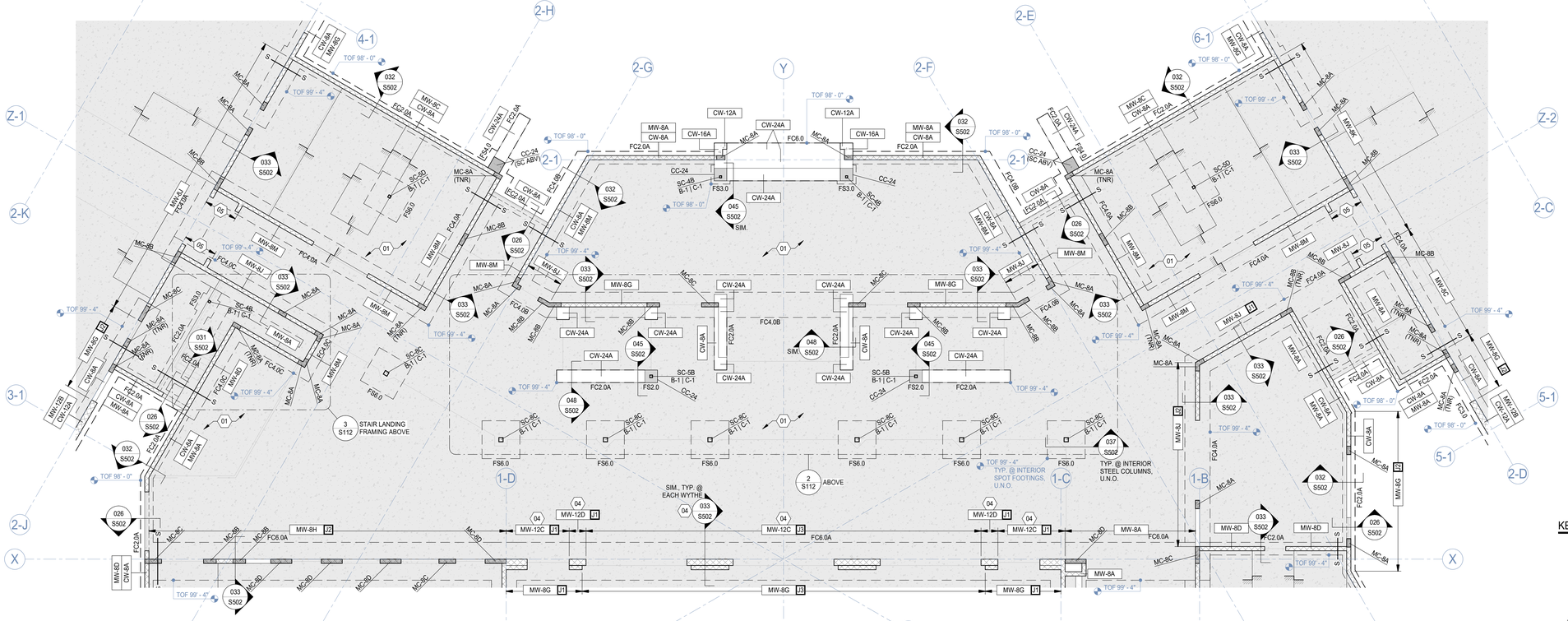


3 ENLARGED STRUCTURAL PLAN - LEVEL 01 - AREA 2 - STAIR LANDING
SCALE: 1/4" = 1'-0"

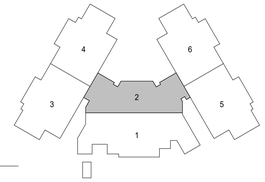


2 STRUCTURAL PLAN - LEVEL 01.6 - AREA 2 - CONFERENCE PORTAL FRAMING
SCALE: 1/8" = 1'-0"



1 STRUCTURAL PLAN - LEVEL 01 - AREA 2
SCALE: 1/8" = 1'-0"

KEY PLAN



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Sandy, UT 84070
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STRUCTURAL PLAN - LEVEL 01 - AREA 2

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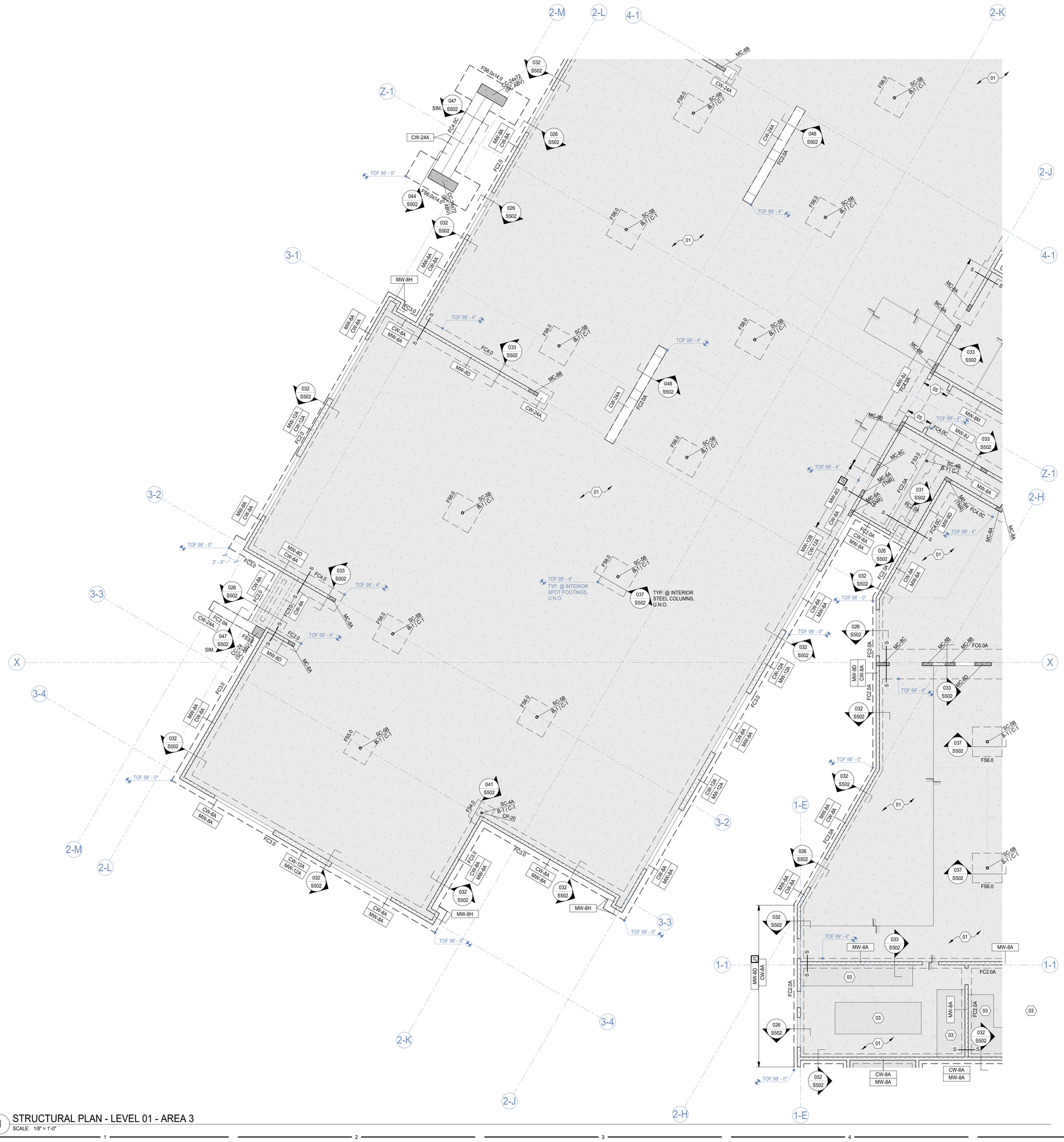

1 STRUCTURAL PLAN - LEVEL 01 - AREA 3
SCALE: 1/8" = 1'-0"

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3	07-22-2026	ADDENDUM 03

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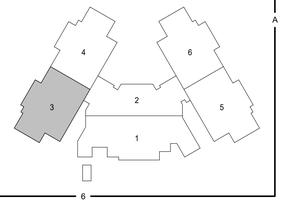
CONSTRUCTION DOCUMENTS

KEY PLAN



STRUCTURAL PLAN - LEVEL 01 - AREA 3

S113

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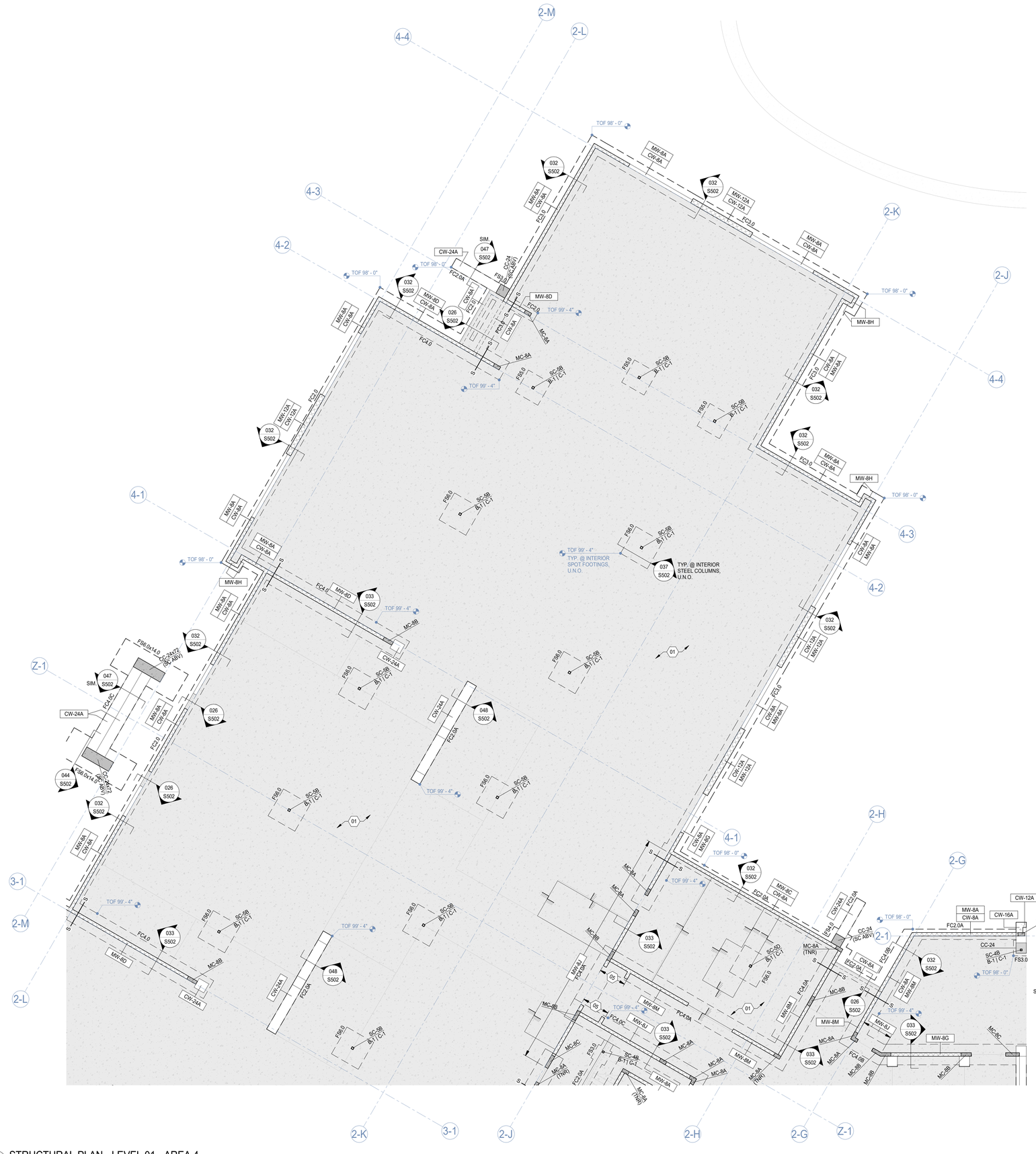

1 STRUCTURAL PLAN - LEVEL 01 - AREA 4
SCALE: 1/8" = 1'-0"

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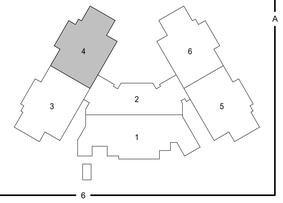

STRUCTURAL PLAN - LEVEL 01 - AREA 4

S114

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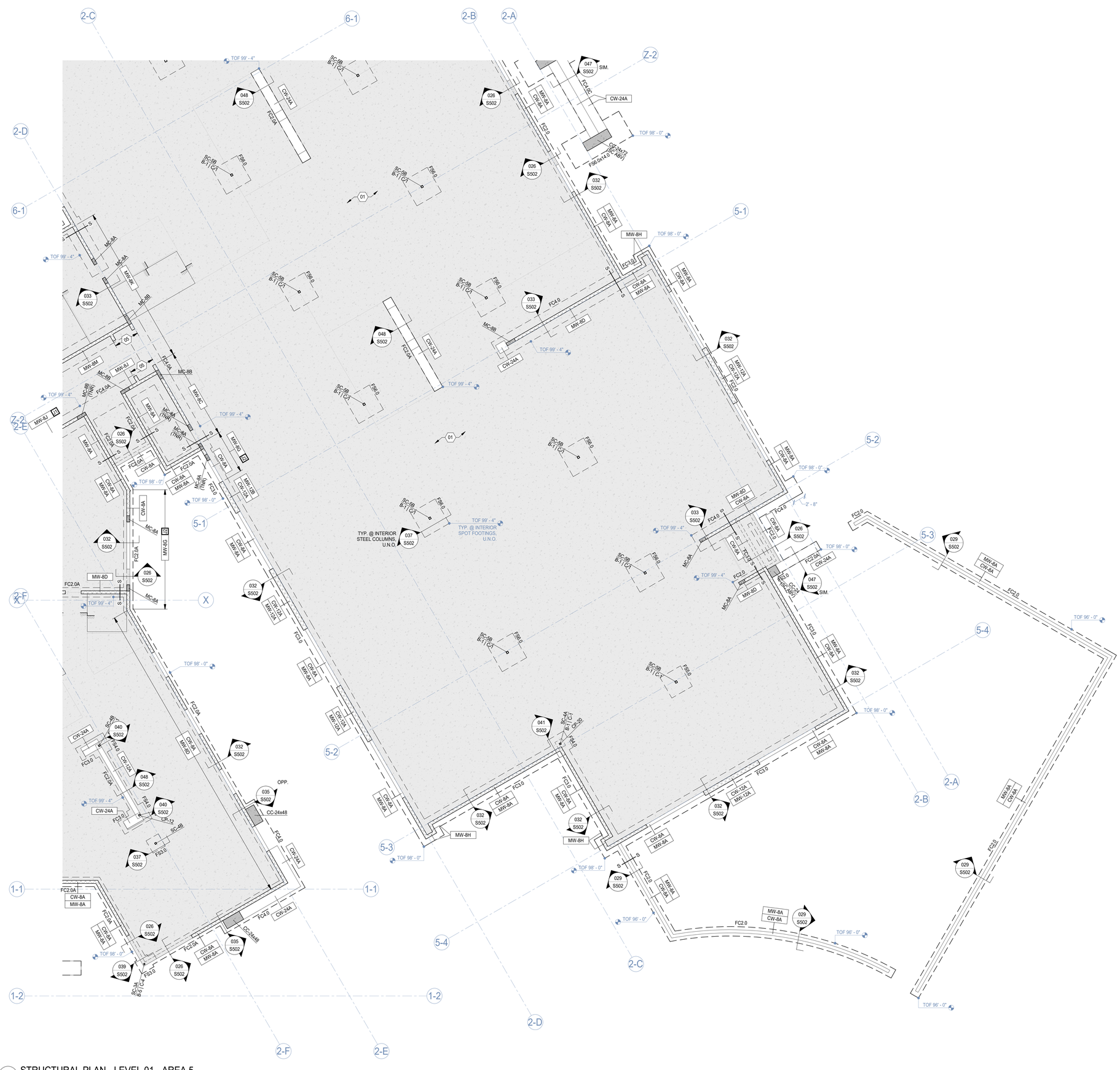

1 STRUCTURAL PLAN - LEVEL 01 - AREA 5
SCALE: 1/8" = 1'-0"

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4. ALL TOP OF FOOTING ELEVATIONS ARE BASED ON FINISH FLOOR = 100'-0". VERIFY WITH ARCHITECTURAL PLANS.
5. PROVIDE MINIMUM FROST DEPTH PER GENERAL STRUCTURAL NOTES. COORDINATE FOOTING STEPS (IF APPLICABLE) WITH CIVIL AND ARCHITECTURAL PLANS. SEE TYPICAL CONCRETE STEPPED FOOTING DETAIL IN STRUCTURAL DETAILS.
6. CONTRACTOR SHALL COORDINATE FLOOR SLAB DEPRESSIONS AND SLAB SLOPES WITH ARCHITECTURAL PLANS.
7. NOT ALL OPENINGS THROUGH FLOORS AND WALLS ARE SHOWN. COORDINATE PENETRATION REQUIREMENTS (ADDITIONAL FRAMING ELEMENTS OR REINFORCING) AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND TYPICAL STRUCTURAL DETAILS.
8. PROVIDE CONTROL JOINTS IN ALL SLABS PER THE GENERAL STRUCTURAL NOTES AND TYPICAL SLAB JOINT DETAIL.
9. CENTER ALL SPOT FOOTINGS UNDER COLUMNS AS SHOWN ON PLAN, TYPICAL U.N.O. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
10. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

FOUNDATION KEYED NOTES

01 4" MINIMUM CONCRETE SLAB w/ 4x4 - W3.5xW3.5 WELDED WIRE REINFORCEMENT OVER 4" LAYER OF FREE DRAINING STRUCTURAL FILL AS REQUIRED PER THE GEOTECHNICAL REPORT. AT POLISHED CONCRETE, INSTALL ADDITIONAL #3 BARS @ 18" O.C. EACH WAY, CENTERED IN SLAB. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB DIMENSIONS, THICKNESS, ELEVATIONS, AND FINISHES.

02 NOT USED.

03 CONCRETE UTILITY PAD PER ARCHITECTURAL DRAWINGS. SEE DETAIL 025/S501 FOR ADDITIONAL REQUIREMENTS.

04 INSTALL #3 CROSS-TIES @ 16" O.C. VERTICAL SPACING BETWEEN 8" AND 12" WALL AT EVERY OTHER VERTICAL BAR (16" O.C. MAXIMUM HORIZONTAL SPACING), TYPICAL FOR FULL HEIGHT OF WALL.

05 WALL SHALL BE SOLID GROUTED TO ACCOMMODATE ELECTROMAGNETIC DOORS.

VCBO®

SALT LAKE CITY - HQ
524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102
801.575.8800

ST. GEORGE
20 N. MAIN ST. #103
ST. GEORGE, UT 84770
435.522.7070

VCBO.COM

VCBO NUMBER: 25315
DATE: JUNE 25, 2026

PROFESSIONAL STRUCTURAL ENGINEER
07/22/2026
362221
SCOTT B. ROCHE
STATE OF UTAH

ENSIGN
THE STANDARD IN ENGINEERING
45 W 10000 S, Suite 500
Sandy, UT 84070
Phone: 801.255.0529
www.ensigneng.com
Ensign Project #: 7486B

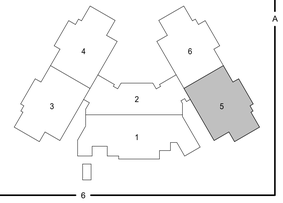
REV	DATE	DESCRIPTION
3	07-22-2026	ADDENDUM 03

BESD TREMONTON ELEMENTARY

2900 WEST & 500 NORTH, TREMONTON, UTAH

CONSTRUCTION DOCUMENTS

KEY PLAN



STRUCTURAL PLAN - LEVEL 01 - AREA 5

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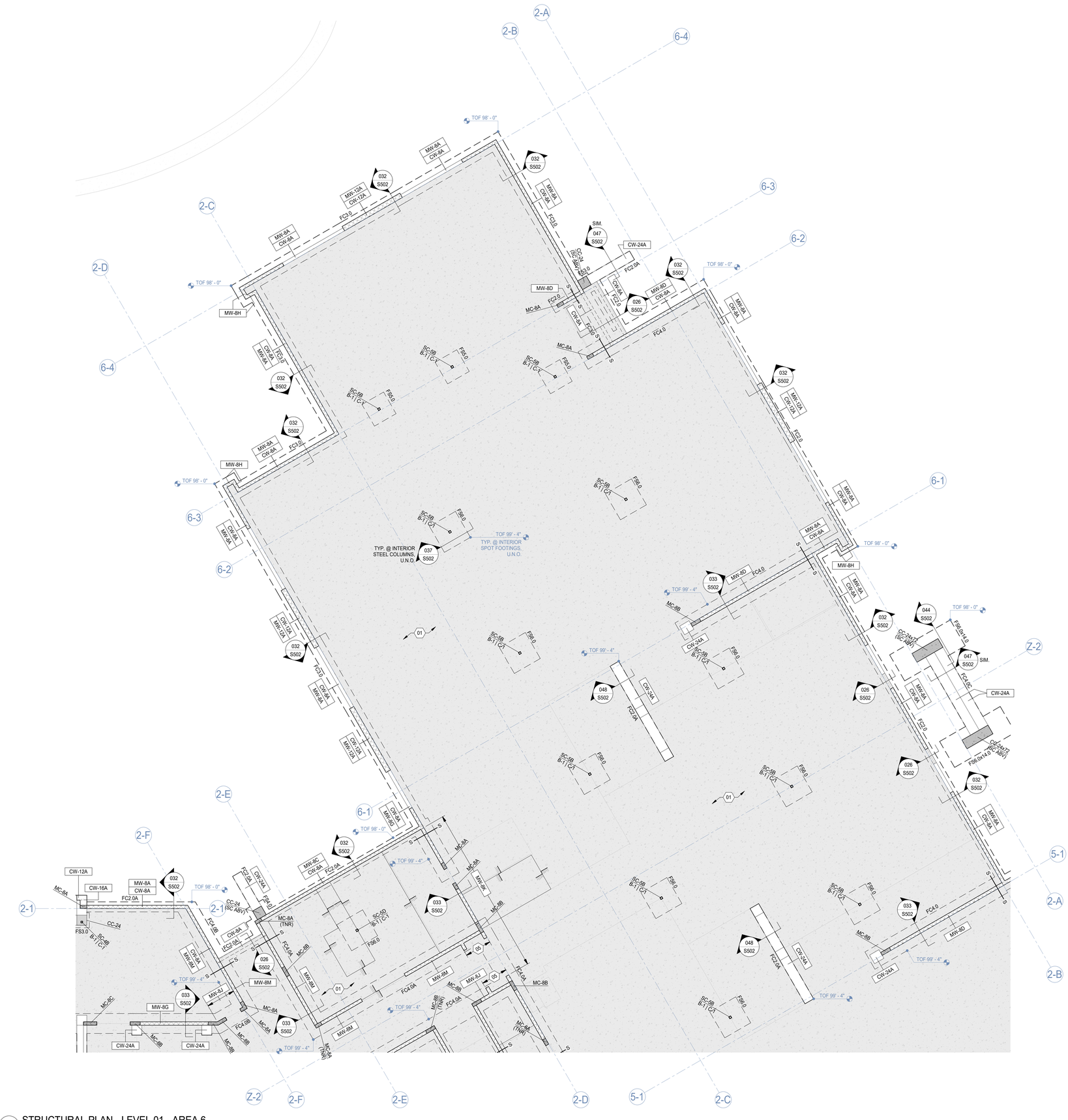

1 STRUCTURAL PLAN - LEVEL 01 - AREA 6
SCALE: 1/8" = 1'-0"

FOUNDATION GENERAL NOTES

1. REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS. CONTRACTOR TO VERIFY ALL DIMENSIONS BEFORE STARTING CONSTRUCTION. DO NOT SCALE DRAWINGS. RESOLVE ANY DISCREPANCY WITH THE ARCHITECT. NOTIFY STRUCTURAL ENGINEER THROUGH THE ARCHITECT OF ANY VARIATIONS FROM DIMENSIONS AND CONDITIONS SHOWN BY THIS DRAWING.
2. COORDINATE STRUCTURAL REQUIREMENTS AT WALLS AND FOOTINGS WITH TYPICAL STRUCTURAL DETAILS.
3. COORDINATE LOCATIONS OF UTILITY TRENCHES (IF APPLICABLE) WITH RESPECTIVE DRAWINGS AND SUB-CONTRACTORS. SLAB REINFORCING SHALL BE CONTINUOUS OVER TRENCH.
4. ALL TOP OF FOOTING ELEVATIONS ARE BASED ON FINISH FLOOR = 100'-0". VERIFY WITH ARCHITECTURAL PLANS.
5. PROVIDE MINIMUM FROST DEPTH PER GENERAL STRUCTURAL NOTES. COORDINATE FOOTING STEPS (IF APPLICABLE) WITH CIVIL AND ARCHITECTURAL PLANS. SEE TYPICAL CONCRETE STEPPED FOOTING DETAIL IN STRUCTURAL DETAILS.
6. CONTRACTOR SHALL COORDINATE FLOOR SLAB DEPRESSIONS AND SLAB SLOPES WITH ARCHITECTURAL PLANS.
7. NOT ALL OPENINGS THROUGH FLOORS AND WALLS ARE SHOWN. COORDINATE PENETRATION REQUIREMENTS (ADDITIONAL FRAMING ELEMENTS OR REINFORCING) AND LOCATIONS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND TYPICAL STRUCTURAL DETAILS.
8. PROVIDE CONTROL JOINTS IN ALL SLABS PER THE GENERAL STRUCTURAL NOTES AND TYPICAL SLAB JOINT DETAIL.
9. CENTER ALL SPOT FOOTINGS UNDER COLUMNS AS SHOWN ON PLAN, TYPICAL U.N.O. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO ALL STEEL COLUMNS.
10. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

FOUNDATION KEYED NOTES

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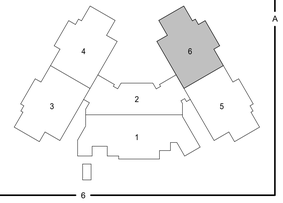

STRUCTURAL PLAN - LEVEL 01 - AREA 6

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