



MHTN
ARCHITECTS

Addendum No. 02

Issued: **03 Mar. 2026**

Project Name: **SJSD Albert R. Lyman Middle School**

Project No.: 2023554.01

Addendum No. 02 to the Construction Contract for the above-referenced project:

All Contractors submitting proposals on the above-captioned project shall be governed by the following changes and explanations to the Bid Documents, dated February 10, 2026, and shall submit their bids in accordance therewith:

A. Changes to the Project Manual

- X2.1 Section 061600 – Sheathing:
 - 1. Revise Subparagraph 2.3 A 2 as indicated re: Nominal Thickness.
- X2.2 Section 064023 - Interior Architectural Woodwork:
 - 1. Revise Subparagraph 1.2 A 4 as indicated re: Solid surface countertops and windowsills.
 - 2. Revise Paragraph 2.10 A as indicated re: Locations.
- X2.3 Section 075419 - Polyvinyl-Chloride Roofing:
 - 1. Revise Paragraph 2.1 D as indicated re: SPRI's "Directory of Roof Assemblies" Listing.
 - 2. Insert Paragraph 2.3 H as indicated re: Metal Utility Plates.
 - 3. Insert Article 2.4 as indicated re: VAPOR RETARDER.
 - 4. Delete renumbered Subparagraph 2.5 B 1 b as indicated.
 - 5. Insert Article 3.6 as indicated re: INSTALLATION OF VAPOR RETARDER.
 - 6. Replace renumbered Paragraph 3.7 C as indicated re: insulation installation.
 - 7. Revise Subparagraph 3.13 A 3 as indicated re: Building Name/Type.
 - 8. Revise Subparagraph 3.13 A 4 as indicated re: Building Address.
- X2.4 Section 079513.13 - Interior Expansion Joint Cover Assemblies:
 - 1. Revise Article 2.3 as indicated re: WALL EXPANSION JOINT COVERS.
 - 2. Revise Article 2.4 as indicated re: CEILING EXPANSION JOINT COVERS.
 - 3. Revise Paragraph 2.6 A as indicated re: Mill finish.
- X2.5 Section 095113 - Acoustical Panel Ceilings:
 - 1. Delete Paragraph 1.2 B re: Related Requirements.
- X2.6 22 0000 –Plumbing
 - 1. Changed the depth of S-1. See 22000 - Plumbing-3.
 - 2. Added S-4. See 22000 - Plumbing-4.

B. Changes to the Drawings

General:

G2.1 Sheet G300 – Exterior Wall, Interior Wall, Floor and Roof Types

1. C4/G300 – Add note to align with specification language to include interior non-load bearing DFMF at walls with ceramic tiling.
2. F1/G300 – Update notes to align with specification language to include drainage course – RE: Structural & Civil. And provide identification of prepared subgrade.
3. S1/G300 – Update notes to align with specification language to include CFMF and NSMF
4. E1 & E2/G300 - Update notes to align with specification language to include Exterior non-load bearing CFMF
5. E3/G300 – Update exterior wall type E3 to include rigid insulation with integral weather barrier as shown in wall section sheets. Update note to clarify membrane as single-ply roofing membrane with coverboard sheathing.

Civil:

C2.1 Sheet CU101 – Utility Plan

1. Added additional flow and sump invert information to curb inlet box locations.

Landscape:

L2.1 Sheet AS100 – Overall Site Plan

1. Adjustments made to callouts on mow strips and cheekwall

L2.2 Sheet AS101 – Bid alternate 1

1. Added cheekwall to North ramp of classroom addition exit.

L2.3 Sheet AS300 – Stair and Ramp Sections

1. Added elevations and details to clarify cheekwall locations and construction.

L2.4 Sheet AS500 – Site Details

1. Added clarifying information to provide bollard sleeve at all bollard locations in lieu of paint. (Verify color with owner prior to selection)

L2.5 Sheet LI100 & LP100 – Overall Irrigation and Landscape Plans

1. Added irrigation heads and planting per modification of cheekwall

Structural

S2.1 Sheet SB102 – Enlarged Footing and Foundation Plans:

1. Updated A1 title to include Bid Alt #1 notation.

S2.2 Sheet SB601 –Concrete Schedules:

1. Added retaining wall schedule.

S2.3 Sheet SF102 – Enlarged Roof Framing Plans:

1. Updated A1 title to include Bid Alt #1 notation.
2. Roof hatch remains in base bid.

Architectural

- A2.1 Sheet AD100 – Admin Demolition Plan
1. Extend plans to show additional corridor lockers to be removed. Add keynote 11 to remove existing lockers and concrete base – replace missing or damaged floor tiles as required.
- A2.2 Sheet A101 – Admin Partial Floor Plan
1. Extend plan sheets to show additional scope of corridor A101 and Classroom A131
 2. Added description to keynote #2
- A2.3 Sheet A102 – Counseling Partial Floor & Demolition Plans
1. Added furring walls to Sped A112 to cover existing wall finishes, conduit etc. and to provide consistent wall finish at teaching and millwork walls.
- A2.4 Sheet A103 – Classroom Floor Plan – Bid Alt 1
1. Added legend – security line type for security glazing
 2. Added security glazing locations at window type 9 and 2 and associated doors A118A and A120B
 3. Added classroom A133 to overall scope if necessary to remove and replace ceiling tiles for work in adjacent office and storage rooms.
- A2.5 Sheet A121 – Partial Roof Plan & Details
1. Added roof plan keynotes to identify size and location of roof hatch.
- A2.6 Sheet A201 – Existing Reference Elevations
1. Modified sheet note to include removal of concrete window sill that sits on berm.
- A2.7 Sheet A410 and A411 – Interior Elevations
1. Add note on E5/A410 and A4/A411 to provide integral toe kick in sink cabinet door for ADA access.
- A2.8 Sheet A600 – Door Schedule & Details
1. Updated door schedule to include door A118B
- A2.9 Sheet A620 – Window Types & Details
1. Updated detail A1/A620 to show weather barrier integral with foil faced insulation and adjusted location of flashing membrane to same face.
 2. Updated detail B1/A620 to clarify location and flashing of weather barrier.
 3. Updated detail B3/A620 to clarify location of weather barrier.
 4. Added hatch to window types 2 and 9 indicating location of laminated security glazing.
- A2.10 Sheet A640 – Finish Schedule
1. Added Classroom A131 to schedule showing existing wall conditions and replacement of ACP2 ceiling.
- A2.11 Sheet A700 – Overall RCP
1. Increased overall scope to include replacement of ceiling in room A131
- A2.12 Sheet A701 – Admin RCPs
1. Increased scope to include removal and replacement of ceiling in room A131
 2. Removed elevation identification of ceilings. All new ceilings should match current existing elevations to be verified in field.
- A2.13 Sheet A702 – Counseling RCPs

1. Clarification showing that there are exterior windows in SPED A112 that will require manual roller shades to be installed.

A2.14 Sheet A703 – Classroom RCPs Bid Alt 1

1. Clarification in keynotes that classroom ceiling adjacent to office and storage space is only to be removed and replaced if necessary to install new roof trusses. To be field verified and coordinated by GC.

Mechanical/Plumbing

M2.1 Sheet M101 - Mechanical plan admin

1. Classroom A131 has been added to the scope. No new mechanical equipment; includes removal and replacement of diffusers and grills into new ceiling system. See M101.

M2.2 Sheet M103 – Classroom Mechanical plan Bid Alt.1

1. Removal and replacement of diffusers and grills is required in Office X247, Office X249, and Classroom X255. See M103.

M2.3 Sheet P102 – Plumbing plan - Counseling

1. The S-1 in SPED A112 has been change to S-4. See specification 22000 - Plumbing-3 for sink type.

M2.4 Sheet P501 – Plumbing Schedule

1. Sink S-1 has been changed from a 7.5" deep sink to a 5" deep sink. See specification 22000 - Plumbing-3 for sink type.
2. Sink S-4 has been added. See specification 22000 - Plumbing-4 for sink type.

Electrical

E2.1 Sheet ED100 – Overall Electrical Demolition Floor Plan

1. Add note D2 "Existing outlets, light fixtures, fire alarm, mechanical equipment, etc., shall be removed. Utilize existing conduit and conductors as possible for new devices in area. Remove any associated abandoned conduit and conductors back to source".
2. Add marquee and a note to show approximate location.

E2.2 Sheet ED102 – Admin Demolition Electrical Plan

1. Add note D8 "Existing ceiling shall be removed. Remove the existing devices from the ceiling. Remove from ceiling and temporarily protect and support from the structure until new ceiling can be installed. Drawings reflect the best information from the record drawings that are available. Field verify the exact location and quantity of devices to be removed".
2. Ceiling in Classroom X325 will be replaced. Refer to sheet for devices in ceiling

E2.3 Sheet ES101 – Site Plan Electrical

1. Add note S3 "Re-connect the power to the existing marquee. Provide 1" conduit minimum for the new conduit 24" below grade in the approximate location shown. Coordinate the exact location with other trades, the architect and the owner. Run conduit above the ceiling back to the contactor/panelboard. Provide trenching, backfill, and patching of grade as required."
2. Add note S4 "Provide a second 1" conduit for existing data cables to the marquee. Provide category cable from the nearest MDF/IDF room to the marquee. Terminate both ends of the cables with appropriate connectors. Coordinate this work closely with the owner's IT Department. Provide trenching, backfill, and patching of grade as required."
3. Re-route path of feeders for panel P coming out of panel "EDP"

E2.4 Sheet EL102 – Admin Lighting Plan

1. Refer to sheet for changes in Classroom X325
- E2.5 Sheet EP102 – Admin Power Floor Plan
 1. Refer to sheet for changes in Classroom X325
- E2.6 Sheet EP701 – Equipment Schedules and One Line Diagram – Power
 1. Panel P will now be fed from panel “EDP”
- E2.7 Sheet EP801 – Panel Schedules
 1. Panel P will now be fed from panel “EDP”
- E2.8 Sheet EY101 – Classroom Addition Systems Plan – Bid Alt 1
 1. Add callout referencing detail 3 on sheet EY702
- E2.9 Sheet EY102 – Admin Systems Plan
 1. Refer to sheet for changes in Classroom X325
- E2.10 Sheet EY702 – Access Control Door Rough-in Details
 1. Add detail #3 Double Door with card reader and electrified panic
- E2.11 Sheet EA101 – Admin Audio Visual Plan
 1. Refer to sheet for changes in Classroom X325

Attachments

061600 – Sheathing_Add 02, 064023 – Interior Architectural Woodwork_Add 02, 075419 – Polyvinyl-Chloride Roofing_Add 02, 079513.13 – Interior Expansion Joint Cover Assemblies_Add 02, 095113 – Acoustical Panel Ceilings_Add 02, 220000 - Plumbing-3, 220000 - Plumbing-4, G300, CU101, AS100, AS101, AS300, AS500, LI100, LP100, SB102, SB601, SF102, AD100, A101, A102, A103, A121, A201, A410, A411, A600, A620, A640, A700, A701, A702, A703, M101, M103, P102, P501, ED100, ED101, ED102, ES101, EL102, EP102, EP701, EP801, EY101, EY102, EY702, EA101

End of Addendum 02 - ARL

SECTION 061600 – SHEATHING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Wall sheathing.
 - 2. Roof sheathing.
 - 3. Sheathing joint and penetration treatment.
- B. Related Requirements:
 - 1. Section 061000 "Rough Carpentry" for plywood backing panels.
 - 2. Section 075419 "Polyvinyl-Chloride Roofing" for roof cover board installed at parapet walls.

1.3 ACTION SUBMITTALS

- A. Product Data:
 - 1. Wall and roof sheathing.
- B. Product Data Submittals: For each type of process and factory-fabricated product. Indicate component materials and dimensions and include construction and application details.
 - 1. For water-resistant glass-mat gypsum sheathing, include manufacturer's technical data and tested physical and performance properties of products.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Stack panels flat with spacers beneath and between each bundle to provide air circulation. Protect sheathing from weather by covering with waterproof sheeting, securely anchored. Provide for air circulation around stacks and under coverings.

PART 2 - PRODUCTS

2.1 WOOD PANEL PRODUCT

- A. Thickness: As needed to comply with requirements specified, but not less than thickness indicated.
- B. Factory mark panels to indicate compliance with applicable standard.

2.2 FIRE-RETARDANT-TREATED PLYWOOD

- A. General: Where fire-retardant-treated materials are indicated, use materials complying with requirements in this article that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products per test method indicated by a qualified testing agency.
- B. Fire-Retardant-Treated Plywood by Pressure Process: Products with a flame-spread index of 25 or less when tested in accordance with ASTM E84, and with no evidence of significant progressive combustion when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 feet beyond the centerline of the burners at any time during the test.
 - 1. Use treatment that does not promote corrosion of metal fasteners.
 - 2. Interior Type A: Treated materials are to have a moisture content of 28 percent or less when tested in accordance with ASTM D3201/D3201M at 92 percent relative humidity. Use where exterior type is not indicated.
- C. Design Value Adjustment Factors: Treated lumber plywood is to be tested in accordance with ASTM D5516 and design value adjustment factors are to be calculated in accordance with ASTM D6305. Span ratings after treatment are to be not less than span ratings specified.
- D. Kiln-dry material after treatment to a maximum moisture content of 15 percent. Do not use material that is warped or does not comply with requirements for untreated material.
- E. Identify fire-retardant-treated plywood with appropriate classification marking of qualified testing agency.
- F. Application: Treat shear wall wood structural panels.

2.3 WALL SHEATHING

- A. Plywood Sheathing, Walls: Either DOC PS 1 or DOC PS 2, Exposure 1, Structural I sheathing.
 - 1. Span Rating: 24/0.
 - 2. **Nominal Thickness: As indicated on Drawings.**
- B. Oriented-Strand-Board Sheathing, Walls: DOC PS 2, Exposure 1, Structural I sheathing.
 - 1. Span Rating: 24/0.
 - 2. Nominal Thickness: 7/16 inch.

C. Glass-Mat Gypsum Sheathing, Walls: ASTM C1177/C1177M.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Georgia-Pacific Gypsum LLC; Dens-Glass or comparable product by one of the following:
 - a. CertainTeed Corporation; Saint-Gobain North America; CertainTeed GlasRoc Type X Sheathing
 - b. National Gypsum Company; Gold Bond® eXP® Sheathing.
 - c. USG Corporation; Secureck.
2. Type and Thickness: Type X, thickness as indicated on Drawings.
3. Size: 48 by 96 inches for vertical installation.

2.4 ROOF SHEATHING

A. Plywood Sheathing, Roofs: Either DOC PS 1 or DOC PS 2, Exterior, sheathing.

1. Span Rating: Not less than 24/0.
2. Minimum Thickness: Not less than 5/8 inch.

2.5 FASTENERS

A. General: Provide fasteners of size and type indicated that comply with requirements specified in this article for material and manufacture.

1. For wall sheathing, provide fasteners with organic-polymer or other corrosion-protective coating having a salt-spray resistance of more than 800 hours according to ASTM B117.

B. Power-Driven Fasteners: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC70.

C. Screws for Fastening Gypsum Sheathing to Cold-Formed Metal Framing: Steel drill screws, in length recommended by sheathing manufacturer for thickness of sheathing to be attached.

1. For steel framing from 0.033 to 0.112 inch thick, use screws that comply with ASTM C954.

2.6 SHEATHING JOINT-AND-PENETRATION TREATMENT MATERIALS

A. Sealant for Glass-Mat Gypsum Sheathing: Silicone emulsion sealant complying with ASTM C834, compatible with sheathing tape and sheathing and recommended by tape and sheathing manufacturers for use with glass-fiber sheathing tape and for covering exposed fasteners.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Do not use materials with defects that impair quality of sheathing or pieces that are too small to use with minimum number of joints or optimum joint arrangement. Arrange joints so that pieces do not span between fewer than three support members.
- B. Cut panels at penetrations, edges, and other obstructions of work; fit tightly against abutting construction unless otherwise indicated.
- C. Securely attach to substrate by fastening as indicated, complying with the following:
 - 1. Table 2304.10.2, "Fastening Schedule," in the ICC's International Building Code, unless indicated otherwise.
 - 2. ICC-ES evaluation report for fastener.
 - 3. General Structural Notes for shear wall sheathing.
- D. Coordinate wall sheathing installation with flashing and joint-sealant installation so these materials are installed in sequence and manner that prevent exterior moisture from passing through completed assembly.
- E. Do not bridge building expansion joints; cut and space edges of panels to match spacing of structural support elements.
- F. Coordinate sheathing installation with installation of materials installed over sheathing so sheathing is not exposed to precipitation or left exposed at end of the workday when rain is forecast.

3.2 INSTALLATION OF WOOD SHEATHING

- A. General: Comply with applicable recommendations in APA Form No. E30, "Engineered Wood Construction Guide," for types of structural-use panels and applications indicated.
- B. Fastening Methods: Fasten panels as indicated below:
 - 1. Wall and Roof Sheathing:
 - a. Nail to wood framing.
 - b. Screw to cold-formed metal framing.
 - c. Space panels 1/8 inch apart at edges and ends.

3.3 INSTALLATION OF GYPSUM SHEATHING

- A. Comply with GA-253 and with manufacturer's written instructions.
 - 1. Fasten gypsum sheathing to cold-formed metal framing with screws.
 - 2. Install panels with a 3/8-inch gap where non-load-bearing construction abuts structural elements.
 - 3. Install panels with a 1/4-inch gap where they abut masonry or similar materials that might retain moisture, to prevent wicking.

- B. Apply fasteners so heads bear tightly against face of sheathing, but do not cut into facing.
- C. Vertical Installation: Install vertical edges centered over studs. Abut ends and edges with those of adjacent panels. Attach at perimeter and within field of panel to each stud.
 - 1. Space fasteners approximately 8 inches o.c. and set back a minimum of 3/8 inch from edges and ends of panels.
- D. Water-Resistant Glass-Mat Gypsum Sheathing:
 - 1. Install accessory materials in accordance with sheathing manufacturer's written instructions and details to form a seal with adjacent construction, to seal fasteners, and ensure continuity of air and water barrier.
 - a. Coordinate the installation of sheathing with installation of roofing membrane and base flashing to ensure continuity of air barrier with roofing membrane.
 - b. Install transition strip on roofing membrane or base flashing, so that a minimum of 3 inches of coverage is achieved over each substrate.
 - 2. Seal exposed edges of strips at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.
 - 3. Repair punctures, voids, and deficient lapped seams in strips and transition strips extending 6 inches beyond repaired areas in strip direction.

END OF SECTION 061600

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK

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 the following:
 - 1. Plastic-laminate-clad architectural cabinets.
 - 2. Plastic-laminate-clad display cases.
 - 3. Plastic-laminate countertops
 - 4. Solid surface countertops and windowsills.
 - 5. Wall mounted adjustable shelving.
 - 6. Cabinet hardware.
- B. Related Sections include the following:
 - 1. Section 061000 "Rough Carpentry" for wood furring, blocking, shims, required for installing woodwork.
 - 2. Section 064219 "Plastic-Laminate-Faced Wood Paneling" for magnetic and writable plastic laminate wall panels.
 - 3. Section 097260 "Tackable Wallcovering" for tackable surface material.
 - 4. Section 102800 "Toilet, Bath, and Laundry Accessories" for framed mirrors used in conjunction with casework.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 DEFINITIONS

- A. Interior architectural woodwork includes wood furring, blocking, shims, and hanging strips for installing woodwork items, unless concealed within other construction before woodwork installation.

1.5 SUBMITTALS

- A. Product Data: For composite core panel products, plywood, high-pressure decorative laminate, adhesive for bonding plastic laminate, thermoset decorative overlay, cabinet hardware and accessories.

- B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
 - 1. Show details full size.
 - 2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
 - 3. Show locations and sizes of cutouts and holes for fixtures and other items installed in architectural woodwork.
- C. Samples for Verification: For the following:
 - 1. Plastic-laminate-clad panel products, 8 by 10 inches, for each type, color, pattern, and surface finish, with separate samples of unfaced panel product used for core.
 - 2. Thermally fused laminate (TFL) Panels, 8 by 10 inches, for each color, pattern, and surface finish.
 - 3. Lumber with or for transparent finish, 5 inches wide by 24 inches long, for each species and cut, finished on 1 side and 1 edge.
 - 4. Exposed cabinet hardware and accessories, one unit for each type and finish.
 - 5. Adjustable shelving standards.
 - 6. Solid surface, 6 by 6 inches.
 - 7. Glass shelving, 6 by 6 inches.
- D. Product Certificates: For the following:
 - 1. Composite wood products.
 - 2. Thermally fused laminate panels.
 - 3. High-pressure decorative laminate.
 - 4. Adhesives.
 - 5. Glass.
- E. Qualification Data: For firms and persons specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who has completed architectural woodwork similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- B. Fabricator Qualifications: A firm experienced in producing architectural woodwork similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- C. Source Limitations: Engage a qualified woodworking firm to assume undivided responsibility for production and installation of interior architectural woodwork
- D. Quality Standard: Unless otherwise indicated, comply with NAAWS 4.0 "North American Woodwork Standards" for grades of interior architectural woodwork, construction, finishes, and other requirements.

- E. Mockups: Before fabricating and installing interior architectural woodwork, build mockups for each form of construction and finish required to verify selections made under sample Submittals and to demonstrate aesthetic effects and qualities of materials and execution. Build mockups to comply with the following requirements, using materials indicated for the completed Work:
1. Build mockups in the location and of the size directed by the Architect and coordinated with sequence of the Work.
 2. Notify Architect seven days in advance of dates and times when mockups will be fabricated and installed.
 3. Demonstrate the proposed range of aesthetic effects and workmanship.
 4. Obtain Architect's approval of mockups before starting interior architectural woodwork fabrication.
 5. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
 6. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver woodwork until painting and similar operations that could damage woodwork have been completed in installation areas. If woodwork must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Project Conditions" Article.

1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being enclosed and indicate measurements on Shop Drawings.
 2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating woodwork without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.9 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that interior architectural woodwork can be supported and installed as indicated.
- B. Hardware Coordination: Distribute copies of approved hardware schedule Scheduled by Describing Products to fabricator of architectural woodwork; coordinate Shop Drawings and fabrication with hardware requirements.

PART 2 - PRODUCTS

2.1 WOODWORK FABRICATORS

- A. Fabricators: Subject to compliance with requirements, provide interior architectural woodwork by one of the following:
 - 1. Artistic Mill.
 - 2. Advanced Cabinets, LLC.
 - 3. Granite Mill and Fixture Company.
 - 4. Huetter Mill and Cabinet Company.
 - 5. Johnson Brothers, Inc.
 - 6. MapleLeaf Cabinets.
 - 7. Swainston Mill, Preston, ID.
 - 8. TMI Systems.
- B. Other Fabricators: Submit request for approval prior to bid.

2.2 MATERIALS

- A. General: Provide materials that comply with requirements of the NAAWS quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.
 - 1. The Contract Documents contain requirements that are more stringent than the referenced quality standard. Comply with requirements of Contract Documents in addition to those of the referenced quality standard.
- B. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
 - 1. Hardboard: AHA A135.4.
 - 2. Medium-Density Fiberboard: ANSI A208.2, Grade MD-Exterior Glue.
 - 3. Softwood Plywood: DOC PS 1.
 - 4. Hardwood Plywood: DOC PS 1.
- C. Core Material at Drawer Fronts and Doors: Provide the following (particle board cores are not acceptable):
 - 1. Combination softwood plywood veneer core interior laminated with MDF crossbands front and back.
 - 2. Available Products: Subject to compliance with requirements, combination veneer core plywood products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Columbia Forest Products, "Classic Core."
 - b. Roseburg, "Skyply CFC Core".
 - c. States Industries, "Armorcore."
 - d. Timber Products Company, "Pro-Core MDF".

- D. Core Material at Laminate Clad and Wood Veneer Exposed and Semi-Exposed Surfaces: Provide the following at cabinet body tops, bottoms, shelves, end panels, cubby, mobile bookshelf cart, and drawer box bottoms (particle board cores are not acceptable):
1. Hardwood plywood veneer core.
 2. Available Products: Subject to compliance with requirements, hardwood plywood veneer core products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Columbia Forest Products, "Europly".
 - b. States Industries, "ApplePly".
- E. Exposed and Semi-Exposed Wood Species Veneer and cut at Cubby (**T1**) and Mobile Bookshelf Carts (**T1A**): Baltic Birch, plain sliced.
1. Provide wood veneer faced panels, 3/4 inch minimum thickness.
 2. Finish: Transparent.
- F. High-Pressure Decorative Laminate – **PLAM1, PLAM2, PLAM3**: ISO 4586-3, grades as indicated, or if not indicated, as required by woodwork quality standard.
1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering high-pressure decorative laminates that may be incorporated into the Work include, but are not limited to, the following:
 - a. Abet Laminati Inc.
 - b. Formica Corporation.
 - c. Lamin-Art, Inc.
 - d. Pionite: a Panolam Industries International, Inc.brand.
 - e. Wilsonart.
 2. Colors, Patterns, and Finishes: Provide materials and products that result in colors of HPDL material complying with the following requirements:
 - a. Match product indicated in the Finish Schedule Legend.
- G. Thermally Fused Laminate (TFL) Panels: Specified core material, finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of ISO 4586, Grade VGL.
1. Finish: Fine Velvet Texture.
 2. Color and Pattern: As selected from manufacturer's full range.
 3. Available Manufacturers: Subject to compliance with requirements, manufacturers offering laminate claddings that may be incorporated into the Work include, but are not limited to, the following:
 - a. Abet Laminati Inc.
 - b. Arborite
 - c. Formica Corporation.
 - d. Lamin-Art, Inc.
 - e. Pionite, a Panolam Industries International, Inc.brand.
 - f. Wilsonart.

- H. Solid-Surfacing Material – **SS1**: Homogeneous solid sheets of filled plastic resin complying with material and performance requirements in ANSI Z124.3, for Type 5 or Type 6, without a precoated finish.
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering solid surfacing materials that may be incorporated into the Work include, but are not limited to, the following:
 - a. Avonite Surfaces.
 - b. E.I. Du Pont De Nemours and Company.
 - c. Formica Corporation.
 - d. LG chemical, LTD.
 - e. Samsung Chemical USA, Inc.
 - 2. Solid-Surfacing-Material Thickness: 1/2-inch.
 - 3. Colors, Patterns, and Finishes: Provide materials and products that result in colors of solid-surfacing material complying with the following requirements:
 - a. Match product indicated in the Finish Schedule Legend.
 - 4. Fabricate sills in one piece with shop-applied edges, unless otherwise indicated. Comply with solid-surfacing-material manufacturer's written recommendations for adhesives, sealers, fabrication, and finishing.
- I. Clear Tempered Float Glass for Display Case Doors: ASTM C 1048, Kind FT, Condition A, Type I, Class 1, Quality q3; manufactured by horizontal (roller hearth) process, with exposed edges seamed before tempering.
- J. Clear Tempered Float Glass for Shelves: ASTM C 1048, Kind FT, Condition A, Type I, Class 1, Quality q3; with exposed edges seamed before tempering.

2.3 CABINET HARDWARE AND ACCESSORIES

- A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets.
- B. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
 - 1. Finish Unless Otherwise Indicated: Satin stainless steel; BHMA 630.
- C. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.
- D. Hardware Standard: Comply with BHMA A156.9 for items indicated by referencing BHMA numbers or items referenced to this standard.

2.4 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Fire-retardant-treated softwood lumber, kiln-dried to less than 15 percent moisture content.

1. Wood Lath: Softwood lumber, 5/16 x 1 ½-inch.
 - B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls and elsewhere as required for corrosion resistance. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.
 - C. Adhesive for Bonding Plastic Laminate: Type I, waterproof type as selected by fabricator to comply with requirements.
 - D. Adhesive for Bonding Edges: Hot-melt adhesive
- 2.5 FABRICATION, GENERAL
- A. Interior Woodwork Grade: Provide Premium grade interior woodwork complying with the referenced quality standard.
 - B. Panel Thickness:
 1. Cabinet Bodies: ¾ inch minimum, unless indicated otherwise.
 2. Tops and Bottoms at Tall Cabinets Not Less Than 36 ½ Inches Wide: 1 inch minimum.
 3. Cabinet Backs at Bodies Installed at Walls, Unexposed: ¼ inch.
 4. Doors and Drawer Fronts: ¾ inch for all hinged and sliding doors.
 5. Drawer Box Sides, Back and Sub-fronts: ¾ inch.
 6. Drawer Bottom: ¼ inch minimum thick 5 ply veneer core plywood with no inner voids, except that core material thickness shall be ½ inch minimum at drawer boxes wider than 30 inches.
 7. Shelves: 1-inch for shelves up to 35 inches in width, and 1-1/4 inches thick for shelves over 35 inches in width.
 8. Horizontal and Vertical Dividers: ¼ inch tempered hardboard, smooth both sides, or ¾ inch panel product.
 9. Dust Panels at Drawers: ¼ inch tempered hardboard or panel product.
 - C. Component Construction:
 1. Toe Kicks: Fixed cabinet bases constructed of ¾ inch, moisture resistant MDF with 2x fir stringers, ripped to provide 4 inch high base. Level bases and anchor to the floor in continuing lengths to ensure straight and true lines of casework. Scheduled resilient or tile base shall be provided as indicated at respective Division 9 sections.
 2. Adjustable Shelves:
 - a. All shelves to be adjustable on 2 inch centers.
 - b. Provide a center, fixed shelf at cabinets taller than 72 inches.
 3. Drawers:
 - a. Paper storage drawers shall be fitted with a hood at back for paper retainage, and shall have a 1/2-inch thick reinforced bottom.
 - b. Drawer fronts shall be mounted with an adjusting mechanism to allow full adjustability and alignment in the field.
 - c. Drawer bottom shall be recessed into box sides, back and front.
 - d. Provide dust panels at drawers unless located directly under tops.

4. Vertical and Horizontal Dividers:
 - a. Vertical and horizontal dividers shall be 1/4-inch tempered hardboard smooth both sides or 3/4-inch TFL panels.
 - D. Wood Moisture Content: Comply with requirements of referenced quality standard for wood moisture content in relation to ambient relative humidity during fabrication and in installation areas.
 - E. Complete fabrication, including assembly, application of high pressure laminate finish, and hardware application, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
 1. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements indicated on Shop Drawings before disassembling for shipment.
 - F. Shop cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
 1. Seal edges of openings in countertops with a coat of varnish.
 - G. Sliding Glass Doors: Mount in extruded aluminum track assembly of bypass design for two equal sized leaves of tempered glass. Equip with cylinder lock mounted on ratchet lock assembly.
 1. Mount doors with patch type fittings with concealed rollers or nylon runners that fit snugly in sill and head track.
 - H. Glass Shelving: Mount on steel slotted shelf standards, recessed into back or sides of cabinet as shown, with steel shelf support brackets and manufacturer's standard matching cushions.
- 2.6 WOOD CABINETS FOR TRANSPARENT FINISH
- A. Quality Standard: Comply with NAAWS 4.0, Section 10 requirements for wood cabinets.
 - B. Type of Construction: Frameless.
 - C. Vertical Matching of Veneer Leaves: End match.
 - D. Veneer Matching within Room: Provide cabinet veneers in each room or other space from a single flitch with doors, drawer fronts, and other surfaces matched in a sequenced set with continuous match where veneers are interrupted perpendicular to the grain.
 - E. Semi-exposed Surfaces: Provide surface materials indicated below:
 1. Surfaces Other Than Drawer Bodies: Match species and cut indicated for exposed surfaces.

2.7 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

- A. Quality Standard: Comply with NAAWS 4.0, Section 10 requirements for laminate cabinets.
- B. Grade: Premium.
- C. Type of Construction: Frameless.
- D. Door and Drawer-Front Style: Flush overlay.
- E. Laminate Cladding for Exposed Exterior and Interior Surfaces: Laminate cladding complying with the following requirements:
 - 1. Horizontal Surfaces Other Than Tops Unless Indicated Otherwise: HPDL, Grade HGS.
 - 2. Vertical Surfaces: HPDL, Grade HGS.
 - 3. Color and Pattern: As indicated in the Finish Schedule Legend.
 - 4. Cabinet Tops: Thermally Fused Laminate where cabinet top is 7'-0" above finished floor or higher. HPDL, Grade HGS at other cabinets not covered with a countertop.
 - 5. Edges: PVC edge banding, 3.0 mm thick, matching laminate in color, pattern, and finish.
 - 6. Doors and Drawer Fronts: Provide indicated laminate cladding on both faces.
- F. Laminate Cladding for Semi Exposed Surfaces: Laminate cladding complying with the following requirements:
 - 1. Interior Cabinet Body Surfaces and Shelves (unless indicated otherwise): Thermally fused laminate panels.
 - 2. Edges of Thermally Fused Laminate Panel Shelves: PVC or polyester edge banding, 3.0 mm thick minimum.
 - 3. Cabinet Body Back and end Panels With Exposed HPDL Surfaces: HPDL, Grade VGS.
 - 4. Drawer Box Sides, Back and Sub-Fronts: Thermally fused laminate panels with 1.0 mm thick PVC edge banding.
 - 5. Drawer Bottom: Thermally fused laminate panel.
- G. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
 - 1. Match Architect's samples selected from full range of Manufacturers products. Selections may be considered above standard grade for manufacturers with multi-tiered pricing.
 - 2. Colors may not be standard with some manufacturers.
 - 3. Edge Banding: Match laminate color unless other colors are approved by Architect.

2.8 DISPLAY CASES

- A. Recessed Display Case: Plastic-laminate-clad display case; with finished interior, operable glazed doors at front, and trim on face to cover edge of recessed opening.
 - 1. Display Case Cabinet: .
 - a. Plywood, with plastic laminate finish
 - b. Face Frame: Wood, laminate-clad.
 - c. Tackable Surface on Back Wall: Provide tackable material specified in Section 097260 "Tackable Wallcovering".
 - d. Aluminum Door Frame Finish: Clear anodic

- B. Glazed Sliding Doors: Tempered glass; aluminum-framed; with extruded-aluminum top and bottom track; supported on nylon or ball-bearing rollers; with plastic top guide and rubber bumpers. Equip each door with ground finger pull and adjustable cylinder lock with two keys.
 - 1. Thickness: Not less than 10 mm thick.
 - 2. Number of Doors: As indicated on Drawings.
 - 3. Provide door locks.
- C. Shelves: 10-mm-thick tempered glass; supported on adjustable shelf standards, brackets and cushions.
 - 1. Shelf Depth: 12 inches unless indicated otherwise.
 - 2. Number of Shelves: As indicated on Drawings.
- D. Adjustable Shelf Standards and Supports: BHMA A156.9, B04102; with shelf brackets, B04112; recess mounted in rear surface. Provide standards extending full height of display case.
- E. Illumination System: LED lighting system as shown on Drawings.
- F. Size: As indicated on Drawings.

2.9 PLASTIC-LAMINATE COUNTERTOPS

- A. Quality Standard: Comply with NAAWS 4.0, Section 11 requirements for high-pressure decorative laminate countertops.
 - 1. The Contract Documents contain requirements that are more stringent than that of the referenced quality standard. Comply with requirements of the Contract Documents in addition to those of referenced quality standard.
- B. Grade: Premium.
- C. High-Pressure Decorative Laminate: ISO 4586-3, Grade HGS, scratch resistant.
- D. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures similar to requirements for laminate casework.
 - 1. Colors may not be standard with some manufacturers.
 - 2. As indicated by manufacturer' in the Finish Schedule Legend.
- E. Core Material: MDF made with exterior glue.
- F. Core Thickness: ¾ inch.
 - 1. Build up countertop thickness to 1-1/2 inches at front, back, and ends with additional layers of core material laminated to top.
 - 2. Provide drip groove 1/8 by 1/8 inch set back 3/8 inch from front edge of countertop.
- G. Configuration:
 - 1. Front: Straight, slightly eased at top.
 - 2. Backsplash: Straight, slightly eased at corner, 4-inches high.
 - 3. End Splash: Matching backsplash.

- H. Edge Treatment: PVC edging, full width of edge, 3 mm thick minimum.
 - 1. Edge Style: Square, no bullnose waterfall edges.
- I. Backer Sheet: Provide plastic-laminate backer sheet, ISO 4586-3, Grade BKH, on underside of countertop substrate.

2.10 SOLID SURFACING FABRICATION – SS1

- A. Locations: Provide solid surface material at countertops and windowsills where indicated on Drawings.
- B. Quality Standard: Comply with NAAWS 4.0, Section 11 requirements for countertops.
 - 1. Grade: Premium.
- C. Products: Subject to compliance with requirements, including color and pattern, provide products manufactured by one of the following:
 - 1. Avonite Surfaces.
 - 2. E.I. Du Pont De Nemours and Company.
 - 3. Formica Corporation.
 - 4. Hanex Solid Surfaces.
 - 5. LG chemical, LTD.
 - 6. Samsung Chemical USA, Inc.
 - 7. Wilsonart.
- D. Solid-Surfacing-Material Thickness: 1/2-inch unless otherwise indicated.
 - 1. Build up wall cap thickness and mill as required to provide total thickness indicated on Drawings.
- E. Colors, Patterns, and Finishes: Provide materials and products that result in colors of solid-surfacing material complying with the following requirements:
 - 1. Match product indicated in the Finish Schedule Legend.
- F. Countertop Configuration:
 - 1. Front: Straight, slightly eased at top.
 - 2. Backsplash: Straight, slightly eased at corner, 4-inches high.
 - 3. End Splash: Matching backsplash.
- G. Fabricate wall cap in one piece with shop-applied edges, slightly eased at exposed top edges, unless otherwise indicated. Comply with solid-surfacing-material manufacturer's written recommendations for adhesives, sealers, fabrication, and finishing.

2.11 ADJUSTABLE WALL MOUNTED SHELVING

- A. Exposed Shelving: Made from specified core material, 3/4 inch thick, with Thermally Fused Laminate on both faces and continuous 3 mm thick PVC edging.

1. Core: Indicated.
2. Shelf Brackets: Double slot brackets.
3. Standards: Powder-coat-finished steel.

2.12 SHOP FINISHING

- A. Finish interior architectural woodwork with transparent finish at fabrication shop. Defer only final touchup, cleaning, and polishing until after installation.
- B. Preparation for Finishing: Comply with Architectural Woodwork Standards, Section 5 for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing interior architectural woodwork, as applicable to each unit of work.
 1. Backpriming: Apply one coat of sealer or primer, compatible with finish coats, to concealed surfaces of interior architectural woodwork. Apply two coats to end-grain surfaces.
- C. Transparent Finish:
 1. Architectural Woodwork Standards Grade: Premium.
 2. Finish System:
 - a. Varnish, Conversion.
 3. Wash Coat for Closed-Grain Woods: Apply wash-coat sealer to woodwork made from closed-grain wood before staining and finishing.
 4. Staining: None required.
 5. Sheen: Satin, 31-45.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.
- B. Before installing architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.
- C. Remove adhered inventory control labels from adjustable wall shelving standards if present, including adhesive residue, to completely expose factory finish.

3.2 GENERAL INSTALLATION

- A. Quality Standard: Install woodwork to comply with NAAWS 4.0 Section 14 for the same grade specified in Part 2 of this Section for type of woodwork involved.
- B. Assemble cabinets and complete fabrication at Project site to extent that it was not completed in the shop.

- C. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.
- D. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
 - 1. Install cabinets with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
 - 2. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches o.c. with No. 10 wafer-head sheet metal screws through metal backing or metal framing behind wall finish, toggle bolts through backing or framing behind wall finish.
 - 3. Provide matching back panel overlays extending from corner to corner, inside existing salvaged and reinstalled cabinet bodies where voids are present from existing utility penetrations.
- E. Install woodwork level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb (including tops) to a tolerance of 1/8 inch in 96 inches.
 - 1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 - 2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
- F. At cabinets to be salvaged and reinstalled, provide matching overlaid interior panels from corner to corner where existing utility openings occur.
- G. Countertop Installation:
 - 1. Scribe and cut countertops to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 - 2. Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.
 - 3. Anchor wall cleating and brackets necessary for proper setting for countertops not supported by casework.
 - 4. Install countertops level and true in line. Use concealed shims as required to maintain not more than 1/8-inch-in-96-inch variation from a straight, level plane.
 - 5. Secure backsplashes to tops with concealed metal brackets at 16 inches o.c. and to walls with adhesive.
 - 6. Seal joints between countertop and backsplash, if any, and joints where countertop and backsplash abut walls with mildew-resistant silicone sealant or another permanently elastic sealing compound recommended by countertop material manufacturer.
 - 7. Provide required holes and cutouts for service fittings.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective woodwork, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.

- B. Clean, lubricate, and adjust hardware.
- C. Clean woodwork on exposed and semiexposed surfaces.

3.4 HARDWARE AND ACCESSORY SCHEDULE

- A. The following items are identified by manufacturer in order to establish quality standards and functional intent. Other manufacturers are acceptable provided their products are comparable (as judged by the Architect) to those specified.
- B. Keying: All locks keyed alike in each classroom, with no classrooms keyed the same, and with a master key matching the existing master key for the building.
- C. Schedule:
 - 1. Wall Mount Countertop Floating Support Bracket: Centerline Brackets CSA-0004 with 8 inch base leg and projection as indicated on Drawings.
 - 2. Cabinet Door Hinges: Blum 170 with mounting plate
 - a. Location: Swing doors.
 - 3. Catches:
 - a. All Cabinets except Locking: Roller catch, ANSI/BHMA A156.9, B03071.
 - b. Locking Cabinets: Elbow catch, ANSI/BHMA A156.9, B33023.
 - 4. Drawer Slides: Side-mounted, full-extension, zinc-plated steel drawer slides with steel ball bearings, BHMA A156.9, B05091, and rated for the following loads.
 - a. Box Drawer Slides: 100 lbf.
 - b. File Drawer Slides: 150 lbf.
 - c. Pencil Drawer Slides: 45 lbf.
 - d. Keyboard Slide: 75 lbf.
 - 5. Drawer Hanging File System: Hafele Hanging File System.
 - a. Location: File Drawers.
 - 6. Pulls: 3-1/2 inch center to center wire pulls; EPCO, Futaba or Rockford Process Control (RPC).
 - a. Location: Drawers and swinging doors.
 - 7. Cubbie Coat Hooks: Bobrick B 6827.
 - 8. Grommets for Cable Passage through Countertops: 2-1/2, molded-plastic grommets and matching plastic caps with slot for wire passage.
 - a. Product: "OG series" by Doug Mockett and Co., Inc.
 - b. Location: Countertops and work surfaces where indicated on Drawings.
 - 9. Door and Drawer Locks: Olympus Lock, Inc. or comparable.

- a. 5-pin tumbler, complying with ANSI/BHMA A156.11, Grade 1.
 - b. Finish: Satin Chrome: 26D
 - c. Drawer Locks: 200W.
 - d. Door Locks: 100DR.
 - e. Provide at all swing doors and drawers. All cabinet locks keyed to one master, each room keyed separately.
- 10. Adjustable Cabinet Shelf Support Rests: KV 346, 5 mm.
 - a. Location: Shelves in casework.
- 11. Shelf Standards and Brackets: Knappe & Vogt Double Slot 85/185 Extra-Duty Adjustable Standard and Bracket System.
 - a. Finish: White.
 - b. Location: Wall mounted adjustable shelving.
- 12. Mobile Book Cart Casters:
 - a. McMaster-Carr 2390T6, double wheel swivel caster with brake.
 - b. McMaster-Carr 2390T5, double wheel swivel caster.
 - c. Provide 4 casters per cart, 2 units with brake feature.
- 13. Display Case Hardware:
 - a. Lock: Hafele End Cap Push-Button, Cylinder Lock 233.13.804.
 - 1) Location: Sliding glass doors.
 - b. Top Guide Track: Hafele Double Top Guide Track 415.08.962
 - 1) Location: Sliding glass doors.
 - c. Bottom Running Track: Hafele double Bottom Running Track 415.08.935
 - 1) Location: Sliding glass doors.
 - d. Runner Housing Profile: Hafele Runner Housing Profile 415.08.926
 - 1) Location: Sliding glass doors
 - e. Runner: Hafele Runner 415.08.917
 - 1) Location: Sliding glass doors.
 - f. Shelf Standards and Brackets: Knappe & Vogt Double Slot 85/185 Extra-Duty Adjustable Standard and Bracket System.
 - 1) Finish: Anochrome.
 - 2) Accessories: Knappe & Vogt 129 RUB Gray Rubber Cushion – Small Hole Retainer.
 - 3) Location: Glass shelves

14. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
 - a. Finish Unless Otherwise Indicated: Satin stainless steel; BHMA 630.
15. Concealed Hardware Finishes: Provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

END OF SECTION 064023

SECTION 075419 - POLYVINYL-CHLORIDE ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Mechanically fastened induction bonded, polyvinyl chloride (PVC) roofing system.
 - 2. Roof insulation.
 - 3. Cover board used at roof and interior side parapet walls.
 - 4. Walkways.
 - 5. Wood nailers.
- B. Related Requirements:
 - 1. Section 075401 "Induction Fastening System for Thermoplastic Membrane Roofing" for mechanical attachment of the roofing membrane.
 - 2. Section 076200 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
 - 3. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.3 DEFINITIONS

- A. Roofing Terminology: Definitions in ASTM D 1079 and glossary in NRCA's "The NRCA Roofing Manual: Membrane Roof Systems" apply to work of this Section.

1.4 PREINSTALLATION MEETINGS

- A. Preinstallation Roofing Conference: Conduct conference at Project site.
 - 1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, roofing Installer, roofing system manufacturer's representative, deck Installer, air barrier Installer, and installers whose work interfaces with or affects roofing, including installers of roof accessories and roof-mounted equipment.
 - 2. Review methods and procedures related to roofing installation, including manufacturer's written instructions.
 - 3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Examine deck substrate conditions and finishes for compliance with requirements, including flatness and fastening.
 - 5. Review structural loading limitations of roof deck during and after roofing.

6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs, and condition of other construction that affects roofing system.
7. Review governing regulations and requirements for insurance and certificates if applicable.
8. Review temporary protection requirements for roofing system during and after installation.
9. Review roof observation and repair procedures after roofing installation.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 1. For insulation and roof system component fasteners, include copy of FM Approvals' RoofNav listing.
- B. Shop Drawings: Include roof plans, sections, details, and attachments to other work, including the following:
 1. Layout and thickness of insulation.
 2. Base flashings and membrane terminations.
 3. Tapered insulation thickness and slopes.
 4. Roof plan showing orientation of steel roof deck and orientation of roof membrane, fastening spacings, and patterns for mechanically fastened roofing system.
 5. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
 6. Tie-in with air barrier.
- C. Samples for Verification: For the following products:
 1. Roof membrane and flashing, of color required.
 2. Walkway pads or rolls, of color required.
 3. Foam rod tubing, 12-inch long section.
- D. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.
- B. Manufacturer Certificates:
 1. Performance Requirement Certificate: Signed by roof membrane manufacturer, certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - a. Submit evidence of compliance with performance requirements.
 2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.
- C. Product Test Reports: For roof membrane and insulation, tests performed by independent qualified testing agency indicating compliance with specified requirements.

- D. Evaluation Reports: For components of roofing system, from ICC-ES.

1.7 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing system to include in maintenance manuals.

1.8 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is UL listed for roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.
- C. Provide a list of not less than 3 projects within the immediate geographic region that may be inspected by a representative of the Owner.
 - 1. Include this list with the bid proposal, indicating owner's name, address, contact name and phone number.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.10 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.11 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty (NDL) includes roof membrane, base flashings, roof insulation, fasteners, cover boards, substrate boards, and other components of roofing system.
 - 2. Warranty Period: 30 years from date of Substantial Completion.
 - a. Warranty shall include wind speed coverage from 0 mph to 90 mph.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as roof membrane, base flashing, cover boards and walkway products, for the following warranty period:
 - 1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roof system and flashings shall remain watertight.
 - 1. Accelerated Weathering: Roof membrane shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
 - 2. Impact Resistance: Roof membrane shall resist impact damage when tested according to ASTM D 3746, ASTM D 4272/D 4272M, or the "Resistance to Foot Traffic Test" in FM Approvals 4470.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roof membrane manufacturer based on testing and field experience.
- C. Wind Uplift Resistance: Design roofing system to resist the following wind uplift pressures when tested according to FM Approvals 4474, UL 580, or UL 1897:
 - 1. Zone 1 (Roof Area Field) and 1' (Roof Area Interior): As indicated in the General Structural Notes.
 - 2. Zone 2 (Roof Area Perimeter): As indicated in the General Structural Notes.
 - 3. Zone 3 (Roof Area Corners): As indicated in the General Structural Notes.
- D. SPRI's "Directory of Roof Assemblies" Listing: Roofing membrane, base flashings, and component materials to comply with requirements in FM Approvals 4450 or FM Approvals 4470 as part of a roofing system and are listed in SPRI's "Directory of Roof Assemblies" for roof assembly identical for that specified for this Project.
 - 1. Wind-Uplift Load Capacity: 60 psf.

- E. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class A; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

2.2 POLYVINYL CHLORIDE (PVC) ROOFING

- A. PVC Sheet: ASTM D 4434/D 4434M, Type III, fabric reinforced.
 - 1. Products: Subject to compliance with requirements, provide the following:
 - a. Carlisle SynTec Incorporated; Sure-Flex.
 - 2. Thickness: 80 mils; 38 mils minimum above the scrim.
 - 3. Exposed Face Color: White.
- B. Source Limitations: Obtain components for roofing system from roof membrane manufacturer or manufacturers approved by roof membrane manufacturer.

2.3 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible with other roofing components.
 - 1. Adhesives and Sealants: Comply with VOC limits of authorities having jurisdiction.
- B. Foam Rod Tubing: Continuous circular hollow section, closed cell polypropylene, minimum 20 psi compressive strength, sized to be compatible with indicated expansion joint width, capable of movements of +50% / -50% (100% of total) of nominal material size.
- C. Sheet Flashing: Manufacturer's standard sheet flashing of same material, type, reinforcement, thickness, except 60 mil at parapet walls, and color as PVC sheet.
- D. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- E. Bonding Adhesive: Manufacturer's standard, water based.
- F. Metal Termination Bars: Manufacturer's standard, predrilled stainless steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- G. Precoated PVC Clad Metal: Metal shall be 0.023 inch thick, G90 galvanized sheet metal laminated with 0.020 inch thick PVC membrane.
- H. Metal Utility Plates:
 - 1. Metallic-Coated Steel Sheet: Zinc-coated (galvanized) steel sheet in accordance with ASTM A653/A653M, G90 coating designation, .03125 inch thick x 6 inches wide.
 - 2. Provide at metal roof deck, perpendicular to deck flutes, to continuously support vapor retarder end joints.
- I. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roofing components to substrate, and acceptable to roofing system manufacturer.

1. Refer to Section 075401 "Induction Fastening System for Thermoplastic Membrane Roofing" for fasteners used to attach roof membrane.
- J. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.
- K. Wood Nailers: Install treated wood nailers at the perimeter of the entire roof and around such other roof projections and penetrations as indicated. Thickness of nailers must match the insulation thickness in order for a smooth transition.
 1. Wood nailers shall be treated for fire and rot resistance (wolmanized or osmose treated), #2 quality or better lumber. Creosote or asphaltic-treated lumber is not acceptable.
 2. Wood nailers shall conform to Factory Mutual's Loss Prevention Data 1-49.
 3. All wood shall have a moisture content no higher than 19 percent by weight on a dry weight basis.

2.4 VAPOR RETARDER

- A. Self-Adhering-Sheet Vapor Retarder: ASTM D1970/D1970M, polyethylene film laminated to layer of rubberized asphalt adhesive, minimum 31-mil- total thickness; maximum permeance rating of 0.1 perm; cold applied, with slip-resisting surface and release paper backing. Provide primer when recommended by vapor retarder manufacturer.

2.5 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by PVC roof membrane manufacturer, approved for use in FM Approvals' RoofNav listed roof assemblies.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 3, felt or glass-fiber mat facer on both major surfaces.
 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Carlisle SynTec Incorporated.
 2. Compressive Strength: 25 psi.
 3. Size: 48 by 96 inches.
 4. Thickness:
 - a. Base Layer: 2-1/2 inches.
 - b. Upper Layer: As required to provide R-value indicated at Drawings.
- C. Tapered Insulation: Provide factory-tapered insulation boards.
 1. Material: Molded (Expanded) Polystyrene Board Insulation: ASTM C 578, Type II, 1.35 lb/cu.ft. minimum density, 15-psi minimum compressive strength, square edge.
 2. Minimum Thickness: 1/4 inch.
 3. Slope:

- a. Roof Field: 3/8 inch per foot unless otherwise indicated on Drawings.
- b. Saddles and Crickets: 1/4 inch per foot in valleys unless otherwise indicated on Drawings.

2.6 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with other roofing system components.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
 - 1. Bead-applied, low-rise, one-component or multicomponent urethane adhesive.
 - 2. Full-spread, spray-applied, low-rise, two-component urethane adhesive.
- D. Cover Board: ASTM C1177/C1177M, glass-mat, water-resistant gypsum board or ASTM C1278/C1278M fiber-reinforced gypsum board.
 - 1. Products: Subject to compliance with requirements, provide one of the following:
 - a. Georgia-Pacific Gypsum LLC; DensDeck Prime Roof Board.
 - b. USG Corporation; Securock Glass Mat Roof Board.
 - 2. Thickness:
 - a. 1/2 inch at roof unless indicated otherwise.
 - b. 5/8 inch at parapet walls.
 - 3. Surface Finish: Factory primed.

2.7 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway rolls, approximately 3/16 inch thick and acceptable to roofing system manufacturer.
 - 1. Size: Minimum 30 inches wide.
 - 2. Color: Contrasting with roof membrane.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.

1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing system installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.
- C. Perform fastener-pullout tests according to roof system manufacturer's written instructions.
 1. Submit test result within 24 hours of performing tests.
 - a. Include manufacturer's requirements for any revision to previously submitted fastener patterns required to achieve specified wind uplift requirements.

3.3 NAILERS

- A. Continuous treated wood nailers shall be installed at the perimeter of the entire roof and around roof projections and penetrations as indicated and as shown on project drawings.
- B. Nailers shall be anchored to resist a minimum force of 300 pounds per lineal foot in any direction. A 1/2-inch space shall be provided between nailer lengths. Individual nailer lengths shall not be less than 3 feet long. Nailer fastener spacing shall be at 12 inches on center. Fasteners shall be staggered 1/3 the nailer width, and installed within 6 inches of each end. Nailer attachment shall meet this requirement and that of the current Factory Mutual Loss Prevention Data Sheet 1-49.
- C. Thickness shall be as required to match substrate or insulation height to allow a smooth transition.

3.4 ROOF DRAINS

- A. Construct sloped drain sumps out of factory pre-tapered polyisocyanurate Q panels. Install cover board over pre-tapered panels followed by membrane. Positive drainage is to be obtained in entire sump area. There shall be no standing water in the drain sump areas. See plans for tapered drain detail.

3.5 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions, FM Approvals' RoofNav assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at end of workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

3.6 INSTALLATION OF VAPOR RETARDER

- A. Self-Adhering-Sheet Vapor Retarder: Prime substrate if required by manufacturer. Install self-adhering-sheet vapor retarder over area to receive vapor retarder, side and end lapping each sheet a minimum of 3-1/2 and 6 inches, respectively.
 - 1. Extend vertically up parapet walls and projections to a minimum height equal to height of insulation and cover board.
 - 2. Seal laps by rolling.
 - 3. Locate side lap seams on top of deck flutes for continuous support.
 - 4. Locate end lap seams on top of metal utility plate for continuous support.
- B. Completely seal vapor retarder at terminations, obstructions, and penetrations to prevent air movement into roofing system.

3.7 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at end of workday.
- B. Comply with roofing system and insulation manufacturer's written instructions for installing roof insulation.
- C. Install each layer of insulation with end joints staggered not less than 12 inches in adjacent rows and offset not less than 12 inches from previous layer.
 - 1. Trim insulation neatly to fit around penetrations and projections, and to fit tightly to intersecting sloping roof decks.
 - 2. Make joints between adjacent insulation boards not more than 1/4 inch in width.
 - 3. At internal roof drains, slope insulation to create a square drain sump, with each side equal to the diameter of the drain bowl plus 24 inches.
 - 4. Trim insulation, so that water flow is unrestricted.
 - 5. Fill gaps exceeding 1/4 inch with insulation.
 - 6. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
 - 7. Secure insulation to resist specified uplift pressure at corners, perimeter, and field of roof.

3.8 INSTALLATION OF COVER BOARDS

- A. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches in each direction.

1. Trim cover board neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 2. At internal roof drains, conform to slope of drain sump.
 - a. Trim cover board so that water flow is unrestricted.
 3. Cut and fit cover board tight to nailers, projections, and penetrations.
- D. Install cover boards over inside face of cold-formed metal framing at framed parapet walls. Comply with GA-253 and with manufacturer's written instructions.
1. Fasten gypsum sheathing to cold-formed metal framing with screws.
 2. Install panels with a 3/8-inch (9.5-mm) gap where non-load-bearing construction abuts structural elements.
 3. Install panels with a 1/4-inch (6.4-mm) gap where they abut masonry or similar materials that might retain moisture, to prevent wicking.
- E. Apply fasteners so heads bear tightly against face of sheathing, but do not cut into facing.
- F. Horizontal Installation: Abut ends over centers of studs, and stagger end joints of adjacent panels not less than one stud spacing. Attach at perimeter and within field of panel to each stud.
1. Space fasteners approximately 8 inches o.c. and set back a minimum of 3/8 inch from edges and ends of panels.

3.9 MECHANICALLY FASTENED ROOFING INSTALLATION

- A. Mechanically fasten roof membrane over area to receive roofing according to roofing system manufacturer's written instructions.
- B. Comply with additional requirements in Section 075401 "Induction Fastening System for Thermoplastic Membrane Roofing."
- C. Unroll roof membrane and allow to relax before installing.
- D. For in-splice attachment, install roof membrane with long dimension perpendicular to steel roof deck flutes.
- E. Start installation of roofing in presence of roofing system manufacturer's technical personnel.
- F. Accurately align roof membrane, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- G. Mechanically fasten or adhere roof membrane securely at terminations, penetrations, and perimeter of roofing.
- H. Apply roof membrane with side laps shingled with slope of roof deck where possible.
- I. In-Seam Attachment: Secure one edge of PVC sheet using fastening plates or metal battens centered within seam, and mechanically fasten PVC sheet to roof deck.
- J. Seams: Clean seam areas, overlap roof membrane, and hot-air weld side and end laps of roof membrane and sheet flashings to ensure a watertight seam installation.

1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of roof membrane and sheet flashings.
 2. Verify field strength of seams a minimum of twice daily, and repair seam sample areas.
 3. Repair tears, voids, and lapped seams in roof membrane that do not comply with requirements.
- K. Spread sealant bed over deck-drain flange at roof drains, and securely seal roof membrane in place with clamping ring.

3.10 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

3.11 WALKWAY INSTALLATION

- A. Flexible Walkways: Install walkway products according to manufacturer's written instructions.
 1. Provide 6-inch clearance between adjoining pads.
 2. Adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

3.12 FIELD QUALITY CONTROL

- A. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion, in presence of Architect, and to prepare inspection report.
- B. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- C. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.13 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, inspect roofing system for

deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.

- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. At Substantial Completion: Inspect roofing for fugitive fasteners, hardware, etc., removing all found items. Remove accumulated dirt and debris from completed roofing, especially at roof drain sumps, by vacuuming and sweeping. Inspect roof and overflow drains for complete installation of screens, installing units at missing locations if necessary. Provide low pressure wash at entire roof surface.

3.14 ROOFING INSTALLER'S WARRANTY

- A. WHEREAS _____ of _____, herein called the "Roofing Installer", has performed roofing and associated Work ("Work") on the following project:

- 1. Owner: San Juan School District.
- 2. Owner Address: 200 N Main Street, Blanding, UT 84511.
- 3. Building Name/Type: AR Lyman Middle School Security Upgrades.
- 4. Building Address: 525 North 100 East, Blanding, Utah 84511.
- 5. Area of Work: Roofing Work associated with addition construction.
- 6. Acceptance Date: _____
- 7. Warranty Period: 5 years.
- 8. Expiration Date: _____

- B. AND WHEREAS Roofing Installer has contracted (either directly with Owner or indirectly as a subcontractor) to warrant said work against leaks and faulty or defective materials and workmanship for designated Warranty Period,

- A. NOW THEREFORE Roofing Installer hereby warrants, subject to terms and conditions herein set forth, that during Warranty Period Roofing Installer will, at Roofing Installer's own cost and expense, make or cause to be made such repairs to or replacements of said work as are necessary to correct faulty and defective work and as are necessary to maintain said work in a watertight condition.

- B. This Warranty is made subject to the following terms and conditions:

- 1. Specifically excluded from this Warranty are damages to work and other parts of the building, and to building contents, caused by:
 - a. lightning;
 - b. peak gust wind speed exceeding 90 mph;
 - c. fire;
 - d. failure of roofing system substrate, including cracking, settlement, excessive deflection, deterioration, and decomposition;
 - e. faulty construction of parapet walls, copings, chimneys, skylights, vents, equipment supports, and other edge conditions and penetrations of the work;
 - f. vapor condensation on bottom of roofing; and
 - g. activity on roofing by others, including construction contractors, maintenance personnel, other persons, and animals, whether authorized or unauthorized by Owner.

2. When work has been damaged by any of foregoing causes, Warranty shall be null and void until such damage has been repaired by Roofing Installer and until cost and expense thereof have been paid by Owner or by another responsible party so designated.
3. Roofing Installer is responsible for damage to work covered by this Warranty but is not liable for consequential damages to building or building contents resulting from leaks or faults or defects of work.
4. During Warranty Period, if Owner allows alteration of work by anyone other than Roofing Installer, including cutting, patching, and maintenance in connection with penetrations, attachment of other work, and positioning of anything on roof, this Warranty shall become null and void on date of said alterations, but only to the extent said alterations affect work covered by this Warranty. If Owner engages Roofing Installer to perform said alterations, Warranty shall not become null and void unless Roofing Installer, before starting said work, shall have notified Owner in writing, showing reasonable cause for claim, that said alterations would likely damage or deteriorate work, thereby reasonably justifying a limitation or termination of this Warranty.
5. During Warranty Period, if original use of roof is changed and it becomes used for, but was not originally specified for, a promenade, work deck, spray-cooled surface, flooded basin, or other use or service more severe than originally specified, this Warranty shall become null and void on date of said change, but only to the extent said change affects work covered by this Warranty.
6. Owner shall promptly notify Roofing Installer of observed, known, or suspected leaks, defects, or deterioration and shall afford reasonable opportunity for Roofing Installer to inspect work and to examine evidence of such leaks, defects, or deterioration.
7. This Warranty is recognized to be the only warranty of Roofing Installer on said work and shall not operate to restrict or cut off Owner from other remedies and resources lawfully available to Owner in cases of roofing failure. Specifically, this Warranty shall not operate to relieve Roofing Installer of responsibility for performance of original work according to requirements of the Contract Documents, regardless of whether Contract was a contract directly with Owner or a subcontract with Owner's General Contractor.

C. IN WITNESS THEREOF, this instrument has been duly executed this _____ day of _____.

1. Authorized Signature: _____.
2. Name: _____.
3. Title: _____.

END OF SECTION 075419

SECTION 079513.13 - INTERIOR EXPANSION JOINT COVER ASSEMBLIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Wall expansion joint covers.
- A. Related Requirements:
 - 2. Section 079100 "Preformed Joint Seals" for preformed foam and extruded-silicone joint seals.

1.3 ACTION SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for expansion joint cover assemblies.
 - 1. Wall expansion joint covers.
- B. Shop Drawings: For each expansion joint cover assembly.
 - 1. Include plans, elevations, sections, details, splices, block-out requirement, attachments to other work, and line diagrams showing entire route of each expansion joint.
 - 2. Where expansion joint cover assemblies change planes, provide isometric or clearly detailed drawing depicting how components interconnect.
- C. Samples: For each expansion joint cover assembly and for each color and texture specified, full width by 6 inches long in size.
- D. Expansion Joint Cover Assembly Schedule: Prepared by or under the supervision of the supplier. Include the following information in tabular form:
 - 1. Manufacturer and model number for each expansion joint cover assembly.
 - 2. Expansion joint cover assembly location cross-referenced to Drawings.
 - 3. Nominal, minimum, and maximum joint width.
 - 4. Movement direction.
 - 5. Materials, colors, and finishes.
 - 6. Product options.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each fire-resistance-rated expansion joint cover assembly, for tests performed by manufacturer and witnessed by a qualified testing agency.

1.5 MOCKUPS

- A. Build mockups to demonstrate aesthetic effects and to set quality standards for materials and execution.
 - 1. Build mockup of typical expansion joint cover assembly in the location and of the size as directed by the Architect, coordinated with sequence of the Work.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

PART 2 - PRODUCTS

2.1 ASSEMBLY DESCRIPTION

- A. Furnish units in longest practicable lengths to minimize field splicing.
- B. Include factory-fabricated closure materials and transition pieces, T-joints, corners, curbs, cross-connections, and other accessories as required to provide continuous expansion joint cover assemblies.

2.2 PERFORMANCE REQUIREMENTS

- B. Fire-Resistance Ratings: Provide expansion joint cover assemblies with fire barriers identical to those of systems tested for fire resistance according to UL 2079 or ASTM E1966 by a qualified testing agency.
- A. Expansion Joint Design Criteria:
 - 1. Type of Movement: Thermal.
 - a. Nominal Joint Width: As indicated on Drawings.
 - b. Minimum Joint Width: -50% of nominal width.
 - c. Maximum Joint Width: +50% of nominal width.

2.3 WALL EXPANSION JOINT COVERS

- A. Elastomeric-Seal Wall Joint Cover – **EJC1**: Assembly consisting of elastomeric seal anchored to frames fixed to sides of joint gap.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide Construction Specialties, Inc.; FWF, or comparable products by one of the following:

- a. Balco; a CSW Industrials Company.
 - b. Inpro Corporation.
 - c. MM Systems Corporation.
 - d. Nystrom.
2. Application: Wall to wall.
3. Fire-Resistance Rating: Not less than that indicated on Drawings.
4. Aluminum: Manufacturer's standard.
5. Seal: Preformed elastomeric membranes or extrusions.
 - a. Color: As selected by Architect from manufacturer's full range.

2.4 CEILING EXPANSION JOINT COVERS

- B. Elastomeric-Seal Acoustical Ceiling Joint Cover – **EJC2**: Elastomeric-seal assembly designed for use in acoustical ceilings.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Construction Specialties, Inc.; FCF or comparable products by one of the following:
 - a. Balco; a CSW Industrials Company.
 - b. Inpro Corporation.
 - c. MM Systems Corporation.
 - d. Nystrom.
 2. Application: Ceiling to ceiling.
 3. Fire-Resistance Rating: Not less than that indicated on Drawings.
 4. Aluminum: Manufacturer's standard.
 5. Seal: Preformed elastomeric membranes or extrusions.
 - a. Color: As selected by Architect from manufacturer's full range.

2.5 MATERIALS

- A. Aluminum: ASTM B 221, Alloy 6063-T5 for extrusions; ASTM B 209, Alloy 6061-T6 for sheet and plate.
1. Apply manufacturer's standard protective coating on aluminum surfaces to be placed in contact with cementitious materials.
- B. Elastomeric Seals: Manufacturer's standard preformed elastomeric membranes or extrusions to be installed in metal frames.

2.6 ALUMINUM FINISHES

- A. Mill finish.

2.7 ACCESSORIES

- A. Manufacturer's standard attachment devices. Include anchors, clips, fasteners, set screws, spacers, and other accessories compatible with material in contact, as indicated or required for complete installations.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine surfaces where expansion joint cover assemblies will be installed for installation tolerances and other conditions affecting performance of the Work.
- B. Notify Architect where discrepancies occur that will affect proper expansion joint cover assembly installation and performance.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to expansion joint cover assembly manufacturer's written instructions.
- B. Coordinate and furnish anchorages, setting drawings, and instructions for installing expansion joint cover assemblies. Provide fasteners of metal, type, and size to suit type of construction indicated and to provide for secure attachment of expansion joint cover assemblies.

3.3 INSTALLATION

- A. Comply with manufacturer's written instructions for storing, handling, and installing expansion joint cover assemblies and materials unless more stringent requirements are indicated.
- B. Metal Frames: Perform cutting, drilling, and fitting required to install expansion joint cover assemblies.
 - 1. Repair or grout block out as required for continuous frame support using nonmetallic, shrinkage-resistant grout.
 - 2. Install frames in continuous contact with adjacent surfaces.
 - a. Shimming is not permitted.
 - 3. Install in true alignment and proper relationship to joints and adjoining finished surfaces measured from established lines and levels.
 - 4. Adjust for differences between actual structural gap and nominal design gap due to ambient temperature at time of installation.
 - 5. Cut and fit ends to accommodate thermal expansion and contraction of metal without buckling of frames.
 - 6. Locate anchors at interval recommended by manufacturer, but not less than 3 inches from each end and not more than 24 inches o.c.
- C. Seals: Install elastomeric seals and membranes in frames to comply with manufacturer's written instructions. Install with minimum number of end joints.

1. Provide in continuous lengths for straight sections.
 2. Seal transitions. Vulcanize or heat-weld field-spliced joints as recommended by manufacturer.
 3. Installation: Mechanically lock seals into frames or adhere to frames with adhesive or pressure-sensitive tape as recommended by manufacturer.
- D. Install with hairline mitered corners where expansion joint cover assemblies change direction or abut other materials.
- E. Terminate exposed ends of expansion joint cover assemblies with field- or factory-fabricated termination devices.
- C. Fire-Resistance-Rated Assemblies: Coordinate installation of expansion joint cover assembly materials and associated work so complete assemblies comply with performance requirements.
1. Fire Barriers: Install fire barriers to provide continuous, uninterrupted fire resistance throughout length of joint, including transitions and field splices.

3.4 PROTECTION

- A. Do not remove protective covering until finish work in adjacent areas is complete. When protective covering is removed, clean exposed metal surfaces to comply with manufacturer's written instructions.
- B. Protect the installation from damage by work of other Sections. Where necessary due to heavy construction traffic, remove and properly store cover plates or seals and install temporary protection over expansion joint cover assemblies. Reinstall cover plates or seals prior to Substantial Completion.

END OF SECTION 079513.13

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Acoustical panels.
 - 2. Metal suspension system.
 - 3. Metal edge moldings and trim.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Data:
 - 1. Acoustical panels.
 - 2. Metal suspension system.
 - 3. Metal edge moldings and trim.
- B. Samples for Initial Selection: For components with factory-applied finishes.
- C. Samples for Verification: For each component indicated and for each exposed finish required, prepared on Samples of sizes indicated below:
 - 1. Acoustical Panels: Set of 6-inch- square Samples of each type, color, pattern, and texture.
 - 2. Exposed Suspension-System Members, Moldings, and Trim: Set of 12-inch long Samples of each type, finish, and color.
 - 3. Clips: Full-size connection clips.

1.5 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:
 - 1. Ceiling suspension-system members.
 - 2. Structural members to which suspension systems will be attached.

3. Method of attaching hangers to building structure.
4. Carrying channels or other supplemental support for hanger-wire attachment where conditions do not permit installation of hanger wires at required spacing.
5. Size and location of initial access modules for acoustical panels.
6. Items penetrating finished ceiling and ceiling-mounted items including the following:
 - a. Lighting fixtures.
 - b. Diffusers.
 - c. Grilles.
 - d. Speakers.
 - e. Sprinklers.
 - f. Access panels.
 - g. Perimeter moldings.
7. Show operation of hinged and sliding components covered by or adjacent to acoustical panels.
8. Minimum Drawing Scale: 1/4 inch = 1 foot .

B. Qualification Data: For testing agency.

C. Product Test Reports: For each acoustical panel ceiling, for tests performed by manufacturer and witnessed by a qualified testing agency.

D. Evaluation Reports: For each acoustical panel ceiling suspension system and anchor and fastener type, from ICC-ES.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For finishes to include in maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Acoustical Ceiling Units: Full-size panels equal to 2 percent of quantity installed.
2. Suspension-System Components: Quantity of each exposed component equal to 2 percent of quantity installed.
3. Connection Clips: Equal to 2 percent of quantity installed.

1.8 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Build mockup of typical ceiling area as directed by Architect based on progress of the Work.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

- B. Installer Qualifications: A qualified Installer that is approved, authorized, or licensed by manufacturer to install manufacturer's product.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical panels, suspension-system components, and accessories to Project site and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.
- B. Before installing acoustical panels, permit them to reach room temperature and a stabilized moisture content.

1.10 FIELD CONDITIONS

- A. Environmental Limitations: Do not install acoustical panel ceilings until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
 1. Pressurized Plenums: Operate ventilation system for not less than 48 hours before beginning acoustical panel ceiling installation.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations for Ceiling System: Obtain each type of acoustical ceiling panel and its supporting suspension system from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 1. Flame-Spread Index: Class A according to ASTM E 1264.
 2. Smoke-Developed Index: 450 or less.
- B. Acoustical Panel Standard: Provide manufacturer's standard panels in accordance with ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.

2.3 ACOUSTICAL PANELS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated or comparable product by one of the following
1. CertainTeed LLC; Saint-Gobain North America.
 2. Rockfon (Rockwool International).
 3. USG Corporation.
- B. **ACP1** - 24 by 48 inch Acoustical Ceiling Panel:
1. Basis-of-Design Product: Armstrong, Mesa, 684.
 2. Classification: Provide panels as follows:
 - a. Type and Form: Type III, mineral base with painted finish; Form 2, water felted.
 - b. Pattern: CE (perforated, small holes and lightly textured).
 3. Color: White.
 4. Light Reflectance (LR): Not less than 0.85.
 5. Ceiling Attenuation Class (CAC): Not less than 35.
 6. Noise Reduction Coefficient (NRC): Not less than 0.60.
 7. Edge/Joint Detail: Angled tegular.
 8. Thickness: 3/4 inch.
- C. **ACP2** - 24 by 24 inch Acoustical Ceiling Panel:
1. Basis-of-Design Product: Armstrong, Mesa, 686.
 2. Classification: Provide panels as follows:
 - a. Type and Form: Type III, mineral base with painted finish; Form 2, water felted.
 - b. Pattern: CE (perforated, small holes and lightly textured).
 3. Color: White.
 4. Light Reflectance (LR): Not less than 0.85.
 5. Ceiling Attenuation Class (CAC): Not less than 35.
 6. Noise Reduction Coefficient (NRC): Not less than 0.60.
 7. Edge/Joint Detail: Angled tegular.
 8. Thickness: 3/4 inch.

2.4 METAL SUSPENSION SYSTEM

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following
1. Armstrong Ceiling & Wall Solutions.
 2. CertainTeed LLC; Saint-Gobain North America.
 3. Rockfon (Rockwool International).
 4. USG Corporation.
- B. Metal Suspension-System Standard: Provide manufacturer's standard, direct-hung, metal suspension system and accessories according to ASTM C635/C 635M and designated by type, structural classification, and finish indicated.

- C. Wide-Face, Capped, Double-Web, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; prepainted, electrolytically zinc coated, or hot-dip galvanized, G30 coating designation; with prefinished 15/16-inch- wide metal caps on flanges.
1. Structural Classification: Intermediate-duty system.
 2. End Condition of Cross Runners: Override (stepped) or butt-edge type.
 3. Face Design: Flat, flush.
 4. Cap Material: Cold-rolled steel.
 5. Cap Finish: Painted white .

2.5 ACCESSORIES

- A. Attachment Devices: Size for five times the design load indicated in ASTM C 635/C 635M, Table 1, "Direct Hung," unless otherwise indicated. Comply with seismic design requirements.
1. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hangers of type indicated and with capability to sustain, without failure, a load equal to 10 times that imposed by ceiling construction, as determined by testing according to ASTM E 1190, conducted by a qualified testing and inspecting agency.
- B. Wire Hangers, Braces, and Ties: Provide wires as follows:
1. Zinc-Coated, Carbon-Steel Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper.
 2. Stainless-Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.
 3. Size: Wire diameter sufficient for its stress at three times hanger design load (ASTM C 635/C 635M, Table 1, "Direct Hung") will be less than yield stress of wire, but not less than 0.106-inch- diameter wire.
- C. Connection Clips: Manufacturer's standard clips designed to connect and secure metal suspension members in place.
- D. Clouds: Manufacturer's standard caps, clips and other accessories required for ceiling clouds.

2.6 METAL EDGE MOLDINGS AND TRIM

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Armstrong World Industries, Inc.
 2. CertainTeed Corporation.
 3. Chicago Metallic Corporation.
 4. Rockfon (Rockwool International).
 5. United States Gypsum Company.
- B. Roll-Formed, Sheet-Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that comply with seismic design requirements; formed from sheet metal of same material, finish, and color as that used for exposed flanges of suspension-system runners.

1. Edge moldings shall fit acoustical panel edge details and suspension systems indicated and match width and configuration of exposed runners unless otherwise indicated.
 2. For circular penetrations of ceiling, provide edge moldings fabricated to diameter required to fit penetration exactly.
- C. Extruded-Aluminum Edge Moldings and Trim: Where indicated, provide manufacturer's extruded-aluminum edge moldings and trim of profile indicated or referenced by manufacturer's designations, including splice plates, corner pieces, and attachment and other clips, complying with seismic design requirements.
1. Basis of Design Product: Armstrong, Axiom Classic.
 - a. Height: 2 inches, unless indicated otherwise on Drawings.
 2. Baked-Enamel or Powder-Coat Finish: Minimum dry film thickness of 1.5 mils . Comply with ASTM C 635/C 635M and coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
 - a. Color: As indicated on Drawings , or if not indicated, as selected from manufacturer's full range.

2.7 ACOUSTICAL SEALANT

- A. Acoustical Sealant: As specified in Section 092900 "Gypsum Board."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, including structural framing to which acoustical panel ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of acoustical panel ceilings.
- B. Examine acoustical panels before installation. Reject acoustical panels that are wet, moisture damaged, or mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.
- D. Refer to Steel Deck Schedule and Project General TI Notes on Drawings for load limitations regarding attachment of acoustical panel ceiling suspension systems from steel decking.

3.2 PREPARATION

- A. Measure each ceiling area and establish layout of acoustical panels to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width panels at borders unless otherwise indicated, and comply with layout shown on reflected ceiling plans.
- B. Layout openings for penetrations centered on the penetrating items.

3.3 INSTALLATION OF ACOUSTICAL PANEL CEILINGS

- A. Install acoustical panel ceilings according to ASTM C 636/C 636M, seismic design requirements, and manufacturer's written instructions.
- B. Suspend ceiling hangers from building's structural members and as follows:
 - 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
 - 2. Splay hangers only where required to miss obstructions; offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
 - 3. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension-system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices.
 - 4. Secure wire hangers to ceiling-suspension members and to supports above with a minimum of three tight turns. Connect hangers directly to structure or to inserts, eye screws, or other devices that are secure and appropriate for substrate and that will not deteriorate or otherwise fail due to age, corrosion, or elevated temperatures.
 - 5. Secure flat, angle, channel, and rod hangers to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices that are secure and appropriate for both the structure to which hangers are attached and the type of hanger involved. Install hangers in a manner that will not cause them to deteriorate or fail due to age, corrosion, or elevated temperatures.
 - 6. Do not support ceilings directly from permanent metal forms or floor deck. Fasten hangers to cast-in-place hanger inserts, postinstalled mechanical or adhesive anchors, or power-actuated fasteners that extend through forms into concrete.
 - 7. When steel framing does not permit installation of hanger wires at spacing required, install carrying channels or other supplemental support for attachment of hanger wires.
 - 8. Do not attach hangers to steel deck tabs.
 - 9. Do not attach hangers to joist bridging. Attach hangers to structural members, secondary framing members, or to steel roof deck if hangers do not exceed load limits indicated on Drawings.
 - 10. Space hangers not more than 48 inches o.c. along each member supported directly from hangers unless otherwise indicated; provide hangers not more than 8 inches from ends of each member.
 - 11. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards.
 - 12. Do not support or otherwise attach items of other trades from ceiling suspension systems.
- C. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical panels.
 - 1. Apply acoustical sealant in a continuous ribbon concealed on back of vertical legs of moldings before they are installed.
 - 2. Screw attach moldings to substrate at intervals not more than 16 inches o.c. and not more than 3 inches from ends. Miter corners accurately and connect securely.
 - 3. Do not use exposed fasteners, including pop rivets, on moldings and trim.
- D. Install suspension-system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.

- E. Install acoustical panels with undamaged edges and fit accurately into suspension-system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide precise fit.
 - 1. Arrange directionally patterned acoustical panels as follows:
 - a. As indicated on reflected ceiling plans.
 - 2. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension-system runners and moldings.
 - 3. Paint cut edges of panel remaining exposed after installation; match color of exposed panel surfaces using coating recommended in writing for this purpose by acoustical panel manufacturer.
 - 4. Install connection clips according to panel manufacturer's written instructions unless otherwise indicated.

3.4 ERECTION TOLERANCES

- A. Suspended Ceilings: Install main and cross runners level to a tolerance of 1/8 inch in 12 feet, non-cumulative.
- B. Moldings and Trim: Install moldings and trim to substrate and level with ceiling suspension system to a tolerance of 1/8 inch in 12 feet, non-cumulative.

3.5 CLEANING

- A. Clean exposed surfaces of acoustical panel ceilings, including trim, edge moldings, and suspension-system members. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage.
- B. Remove and replace ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION 095113

C. Approved Fixtures:

Water closets & lavatories:	Kohler, American Standard, Zurn, or approved equal
Flush valves:	Zurn, Sloan, or approved equal.
Sinks:	Just, Elkay, or approved equal.
Faucets:	Chicago or approved equal.
Showers:	Bradley, Symmons or approved equal.
Drinking Fountains:	Elkay or approved equal.
Hose bibbs:	Watts, Zurn, JR Smith, Woodford, or approved equal.
Floor drains:	Zurn, JR Smith, Watts, Josam, or approved equal.
Roof drains, downspouts:	Zurn, Watts, J.R. Smith, or approved equal.

PLUMBING FIXTURES

WC-1	Water Closet: (ADA)	American Standard "Madera" siphon jet, 1.6 gpf, floor mounted, elongated lip bowl, 1-1/2" top spud, vitreous china, Sloan' Regal' 111 XL 1.6 gpf chrome plated, 1.6 gpf chrome plated piston type manual exposed flush valve; K-4666-C Bemis 1955C extra heavy solid plastic white open front seat with stainless steel check hinge, 431310-100 bolt caps.
L-1	Lavatory: (ADA)	American Standard "Lucerne" 035.028" 20" x 18" 4" center set vitreous china, front overflow, anti-splash rim, center basin, wall hanger, punched for concealed arm carrier, Chicago WWG-3501-4E2805ABCP, 0.5 gpm, single hole deck mounted vandal resistant hot/cold metering faucet with integral cast brass spout. Provide grid strainer. Tailpiece and flexible supplies w/stops and brass P-trap. Support lavatory with Zurn ZN1231 concealed arm carrier with foot support. Lavatory shall have both hot-water and cold-water connections.
S-1R Add.02	Sink: (Classroom) Bid alt. 01	Elkay DRKRAD282255R 28" x 22" x 5-1/2" D, 18 ga., 304 stainless steel, drilled for 3-hole rear ledge centerset faucet (<i>install in rigid position</i>) and punch for right front ledge bubbler, self-rimming, sound dampening, cup strainer, and "U" channel mounting system. Chicago 1100-GN2AE3-317AB gooseneck faucet with ADA levers, aerator, flexible supplies, brass P-trap, Chicago 748-665CP bubbler.
S-1L Add 02	Sink: (Classroom) Bid alt. 01	Elkay DRKRAD252255L 28" x 22" x 5-1/2" D, 18 ga., 304 stainless steel, drilled for 3-hole rear ledge centerset faucet (<i>install in rigid position</i>) and punch for left front ledge bubbler, self-rimming, sound dampening, cup strainer, and "U" channel mounting system. Chicago 1100-GN2AE3-317AB gooseneck faucet with ADA levers, aerator, flexible supplies, brass P-trap, and Chicago 748-665CP bubbler.

S-2	Sink: (Nurse)	Elkay LR2219 17" x 20" x 7-5/8", 18 ga. single compartment stainless steel, drilled for 3-hole 8" centerset faucet (<i>install in rigid position</i>), self-rimming, sound dampening, cup strainer, Chicago 786-E29-369ABCP faucet with swing spout, ADA levers, and aerator, flexible supplies, brass P-trap.
S-3	Sink: (Workroom)	Elkay PSR-3319 33" x 19-1/2" x 7" deep with (2) each 14" x 14" bowls, 20 ga. stainless steel self-rimming sink, soft satin finish with 2-hole flush fittings deck and sound dampening. Single lever Chicago 1100-L9-317ABCP 8" swing spout kitchen deck faucet, and vandal-proof aerator, flexible supplies, crumb cup strainer with the tailpiece and cast brass P-trap.
S-4 Add 2	Sink: (SPED)	Elkay DRKR2522R4 25" x 22" x 7-1/2" D, 18 ga., 304 stainless steel, drilled for 3-hole rear ledge centerset faucet (<i>install in rigid position</i>) and punch for right ledge bubbler, self-rimming, sound dampening, cup strainer, and "U" channel mounting system Chicago 1100-GN2AE3-317AB gooseneck faucet with ADA levers, aerator, flexible supplies, brass P-trap, and Chicago 748-665CP bubbler.
SH-1	Shower: (ADA)	Bradley Model 1C-EF-SF-AKV-LBJ-15 single lever compression shower valve with volume control and adjustable temperature limit. Shower shall have shower head w/ ball joint and shower arm with wall flange. Handheld 60" SS hose w/spray head, Bradley Model DV diverting valve and vacuum breaker. All items shall be set to handicapped heights & comply with standards of the Utah State Physical Handicapped Code.
DF-1	Drinking Fountain:	Elkay LZSTLG8W5 bi-level, wheelchair access, double bowl, wall mounted, air cooled, refrigerated type with bottle filler located at low side to cool 8 gal/hr. from 80 deg. F. EAT. 1/5 HP hermetic compressor, 120/160. 304 stainless steel top w/chrome plated bubbler and "Light Touch" wrap and self-closing press bar operable from front of fountain. Cabinet color shall be stainless steel #4 satin finish. Note: Cut electrical cord at time of installation to suit electrical outlet provided.
SS-1	Service Sink: Bid alt 01	Kohler K-6710 "Whitby" 28" x 28" service sink, floor mounted, drain channels; Chicago 445-897SRXKCCP chrome plated wall mounted service sink faucet with vacuum breaker, 3/4" threaded hose end with hose, bucket hook, wall brace integral stops and rough chrome finish. Faucet to be mounted 30" above finish floor; K-8940 rim guard; K-9146 drain with strainer for 3" connection.
HB-1	Hose Bibb: Bid alt. 01	Zurn Z-1320CL 3/4" "Ecolotrol" non-freeze anti-syphon wall hydrant with copper casing, nickel bronze face, integral vacuum breaker, locking cylinder & wall clamp. Minimum length from face to valve 12"-18" (or as required for walls) Hydrant to be centered in block course.

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INTERIOR WALL TYPE SCHEDULE								
TAG MARK	DESCRIPTION	CONSTRUCTION			ACOUSTICAL			
		WIDTH	TERMINATION	LIMITING HEIGHT	HEAD DETAIL	BASE DETAIL	SOUND BATT	STC
	5/8" G	5/8"	TO DECK	16'-6"			No	
M0B	10" CMU	9 5/8"	TO DECK		B1/G300	C1/G300	No	
M2B	12" CMU	11 5/8"	TO DECK		B1/G300	C1/G300	No	
M8B	8" CMU	5 5/8"	TO DECK		B1/G300	C1/G300	No	
S1		6 7/8"						
S2ATX	TILE + 5/8" GTB + 2 1/2" MTL STUD	3 3/4"	TO DECK	12'-0"	B3/G300	C3/G600	Yes	40
S2AX	5/8" GB + 2 1/2" MTL STUD + 5/8" GB	3 1/8"	TO DECK	12'-0"	B3/G300	C3/G600	Yes	40
S3A	5/8" GB + 3 5/8" MTL STUD + 5/8" GB	4 7/8"	TO DECK	16'-6"	B3/G300	C3/G600	Yes	40
S3AR	5/8" GB + 3 5/8" MTL STUD + 1/2" RESILIENT CHANNEL + 5/8" GB	5 3/8"	TO DECK	11'-0"	B3/G300	C3/G600	Yes	49
S3ART	TILE + 5/8" GTB + 1/2" RESILIENT CHANNEL + 3 5/8" MTL STUD + 5/8" GB	6"	TO DECK	16'-6"	B3/G300	C4/G300	Yes	
S3AT	TILE + 5/8" GTB + 3 5/8" MTL STUD	4 7/8"	TO DECK	16'-6"	B3/G300	C4/G300	Yes	
S3ATT	TILE + 5/8" GTB + 3 5/8" MTL STUD + 5/8" GTB + TILE	6 1/8"	TO DECK	24'-6"	B3/G300	C4/G300 SIM	Yes	
S3ATX	TILE + 5/8" GB + 3 5/8" MTL STUD	4 7/8"	TO DECK	12'-0"	B3/G300	C3/G600	Yes	40
S3AX	5/8" GB + 3 5/8" MTL STUD	4 1/4"	TO DECK	15'-6"	B3/G300	C3/G600	No	
S3BX	5/8" GB + 3 5/8" MTL STUD	4 1/4"	TO DECK	15'-6"	B3/G300	C3/G600	No	
S6A	5/8" GB + 6" MTL STUD + 5/8" GB	7 1/4"	TO DECK	24'-6"	B3/G300	C3/G600	Yes	41
S6ART	TILE + 5/8" GTB + 1/2" RESILIENT CHANNEL + 6" MTL STUD + 5/8" GB	8 3/8"	TO DECK	24'-6"	B3/G300	C4/G300	Yes	
S6AT	TILE + 5/8" GTB + 6" MTL STUD + 5/8" GB	7 7/8"	TO DECK	24'-6"	B3/G300	C4/G300	Yes	41
S6AW	5/8" GB + 6" MTL STUD + 7/16" PLYWD SHEATHING + 5/8" GB	7 3/4"	TO DECK	24'-6"	B3/G300	C3/G600	Yes	41
S6AWT	TILE + 5/8" GTB + 7/16" PLYWD SHEATHING 6" MTL STUD + 5/8" GB	8 3/8"	TO DECK	24'-6"	B3/G300	C4/G300	Yes	41
S6AX	5/8" GB + 6" MTL STUD	6 5/8"	TO DECK	23'-0"	B3/G300	C4/G300	Yes	
T	TILE + 5/8 GTB	1 1/4"	TO DECK	16'-6"			No	

INTERIOR WALL TYPE GENERAL NOTES

RE: G300 for wall termination details which occur at metal deck/structure or at base of wall.

Abuse-Resistant Gypsum Wall Board: Install abuse-resistant gypsum wall board up to 4'-0" AFF where exposed in corridors, mechanical and custodial spaces and at exposed walls in SPED Rooms & adjoining rooms within SPED.

Continuity:
Wall type designations imply that the walls are continuous, typically from corner to corner and until another wall type is indicated. At the intersection of walls of dissimilar sound and/or fire-resistance ratings, the wall with the more restrictive requirements shall continue through, uninterrupted and shall take precedence.

Typical Interior Wall Type: S3A, UNO.

Glass-mat Tile Backing Board:
Where stud walls with tile finishes are scheduled, provide glass-mat tile backing board for the full height and width of the tile. Balance of wall to be gypsum board, UNO.

Water-resistant Gypsum Board:
Provide water-resistant gypsum board at walls in wet areas with non-tile finishes.

Acoustical Sealant:
At metal stud walls with an STC rating, provide acoustical sealant at top and bottom tracks.

Sound Attenuation Batts:
Where indicated, provide sound attenuation batts sized to fit snugly in the wall cavity. Fill all voids in the wall, from floor to deck, including at wall intersections to prevent sound leakage into adjacent rooms.

Metal Stud Partitions:
Extend interior walls and partitions from floor to roof deck or floor deck above, unless noted otherwise. The specifications indicate a minimum metal stud gauge; increase the gauge above the minimum as required by the metal stud manufacturer for actual wall heights, deflection criteria and code required horizontal load.

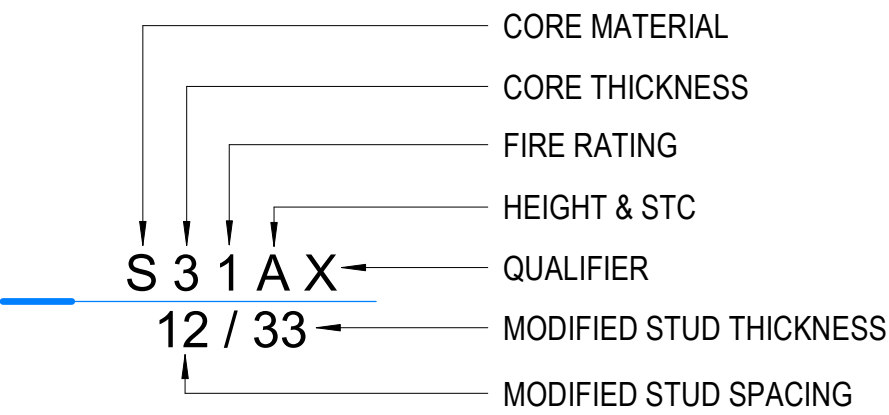
Design requirements for metal stud walls: 5 PSF lateral load; L/240 deflection.
Stud Spacing: 16" on center, unless noted otherwise.

Provide bracing at 48" OC maximum at non-composite walls (walls that don't have gypsum board full height on each side of the stud).

Provide control joints at 30'-0" OC maximum. If not shown, coordinate location with Architect.

Rated Wall Identification:
Provide 3" high block letters (with 3/8" minimum stroke), stencil the fire resistance rating on the wall at 30' maximum intervals, measured horizontally and within 15' of the end of the wall. Provide one (1) label minimum per wall. Locate identification in accessible concealed floor areas, if any and in the accessible space between ceiling and structure above.

Wall Schedule Abbreviations
CMU - Concrete Masonry Unit
GB - Gypsum Board
GTB - Glass-mat Tile Backing Board
GB - Impact-Resistant Gypsum Board



Core Material:
S - Metal Stud
H - Metal CH Stud
M - Concrete Masonry (CMU)
B - Structural Clay Brick
C - Concrete
W - Wood

Core Thickness:
Metal Studs:
Number indicates metal stud thickness, rounded down where applicable
0 - 7/8"
1 - 1 5/8"
2 - 2 1/2"
3 - 3 5/8"
4 - 4"
6 - 6"
8 - 8"

Brick and CMU:
Number indicates nominal thickness
4 - 3 5/8"
6 - 5 5/8"
8 - 7 5/8"
0 - 9 5/8"
2 - 11 5/8"

Concrete:
Number corresponds to thickness in whole inches
8 - 8"
0 - 10"
2 - 12"

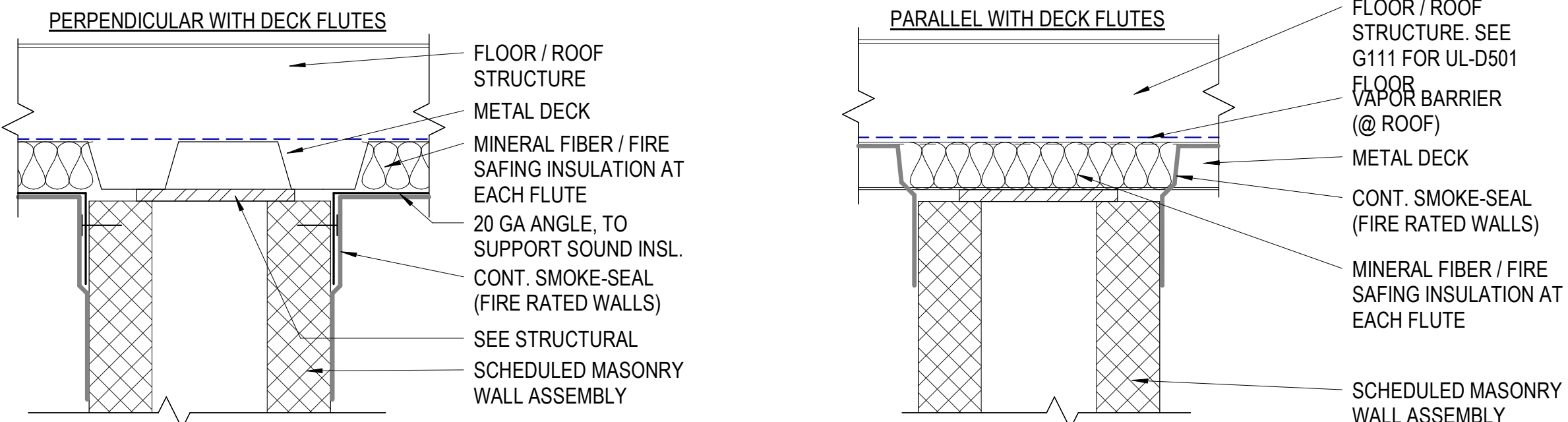
Wood:
Number indicates nominal size of 2x framing
4 - 2 x 4
6 - 2 x 6
8 - 2 x 8

Rating:
Number indicates the fire-resistive rating in hours. Unrated walls have no designation.

Height and STC:
A - Wall is continuous to the structural deck above and includes sound batt
B - Wall is continuous to the structural deck above with no sound batt
C - Wall extends to 6" above the ceiling and includes sound batt
D - Wall extends to 6" above the ceiling with no sound batt
E - Wall extends to finished ceiling and includes sound batt
F - Wall extends to finished ceiling with no sound batt
P - Wall is partial height (to 5'-0" AFF) (- RE: Floor Plan for top of wall)

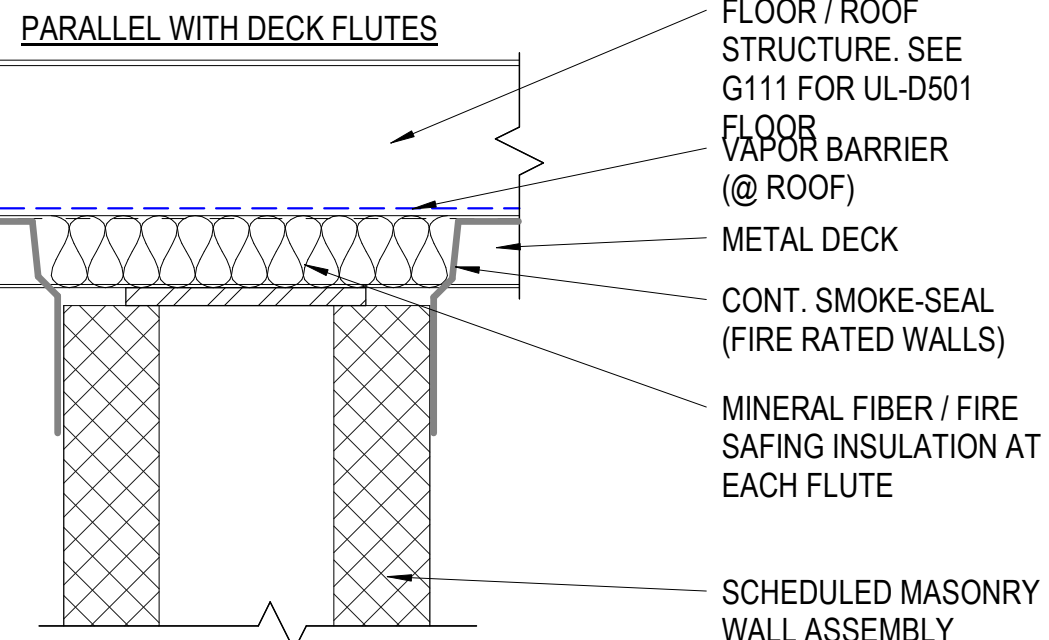
Qualifiers:
H - CMU with honed face finish
S - CMU with split face finish

Asymmetric Modifiers:
X - Single side gypsum board
T - Glass-mat tile backing board with tile finish
W - Plywood Sheathing



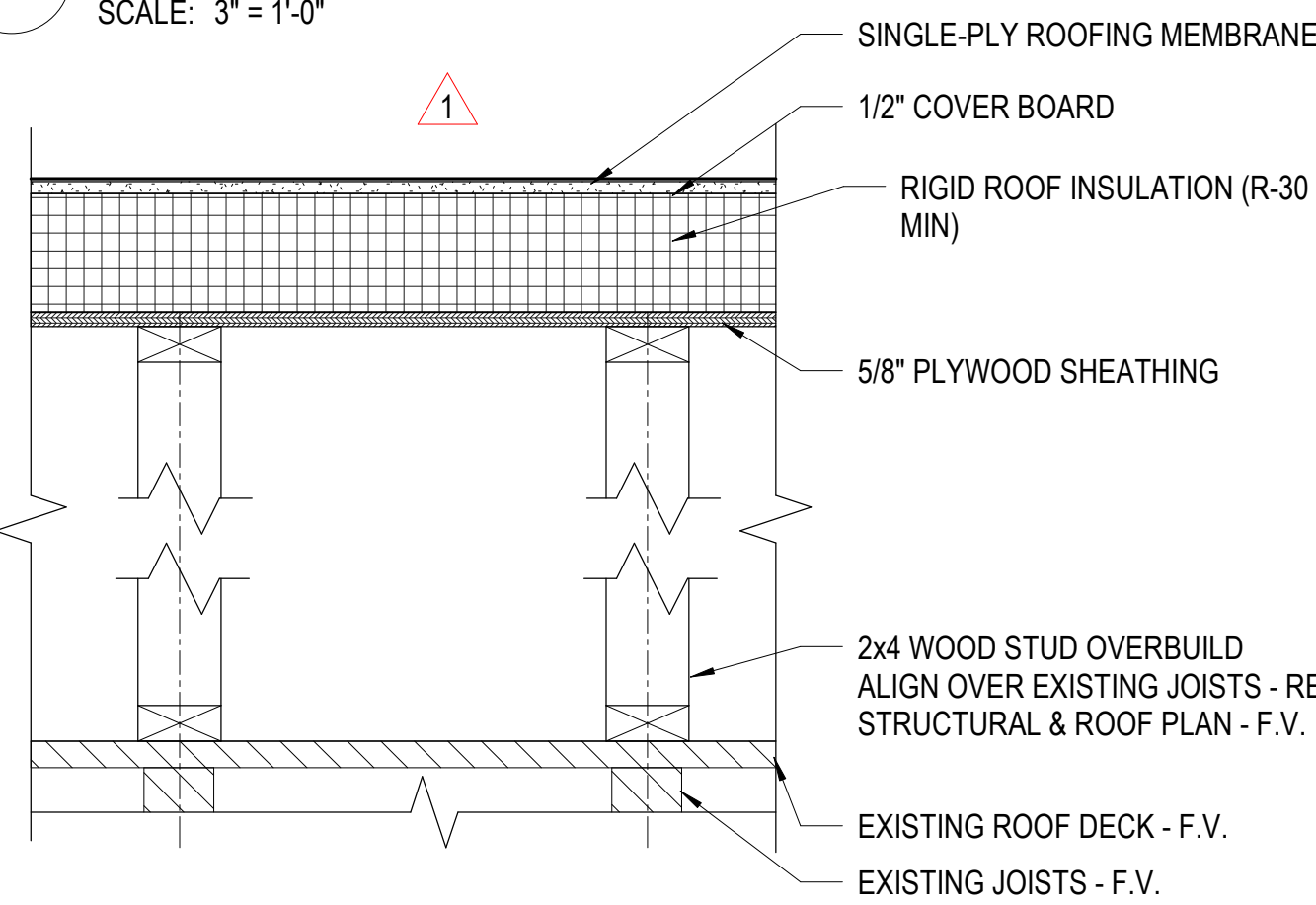
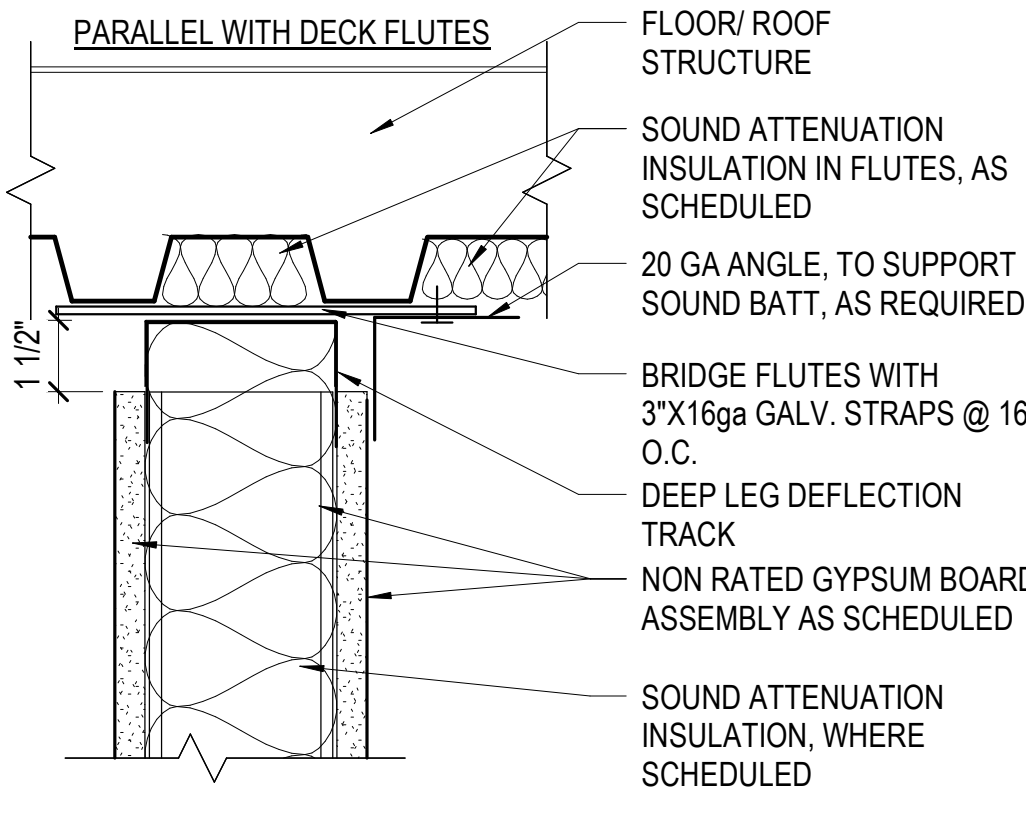
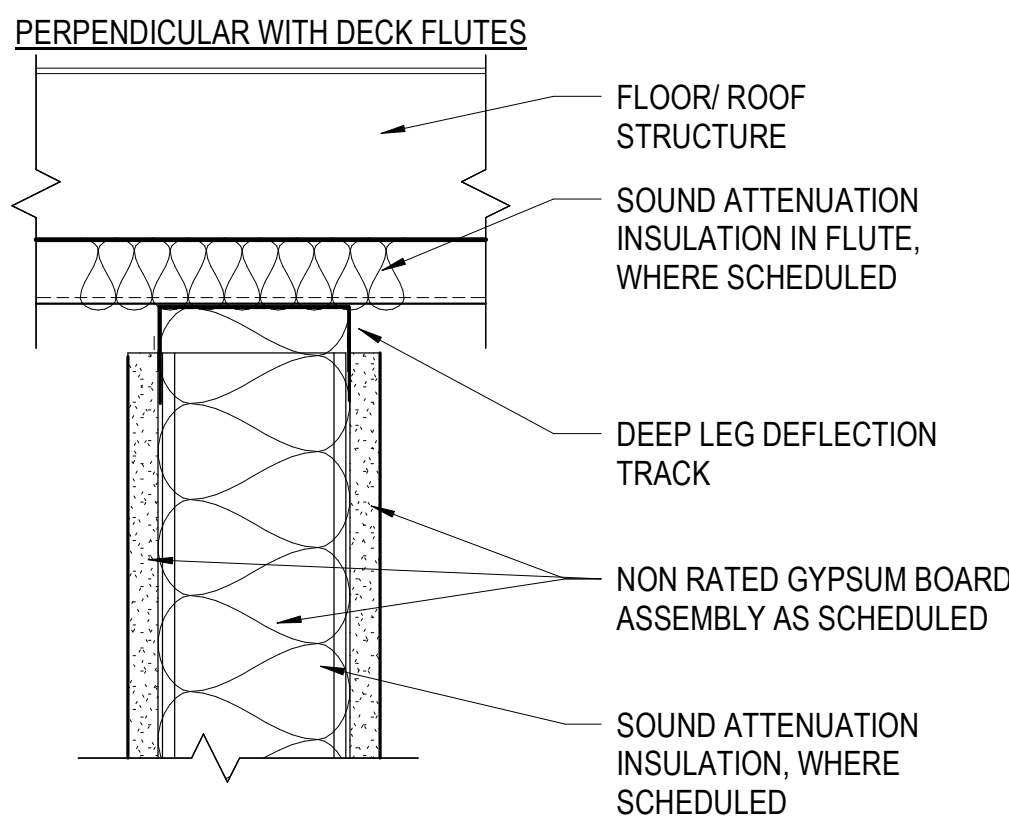
WALL HEAD - CMU

SCALE: 3" = 1'-0"



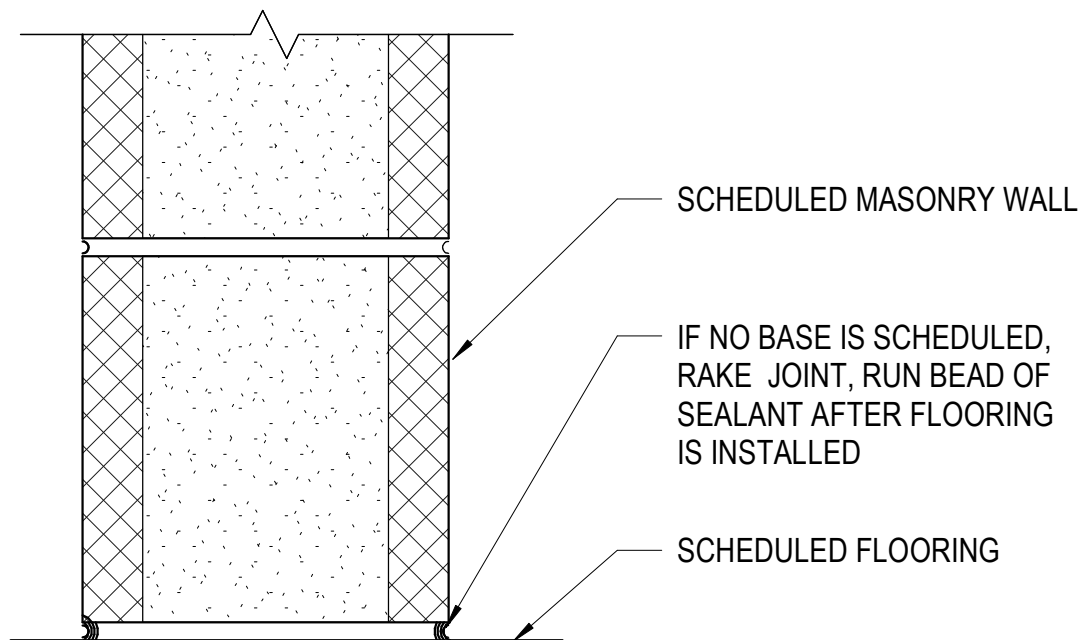
WALL HEAD - GYP BD

SCALE: 3" = 1'-0"



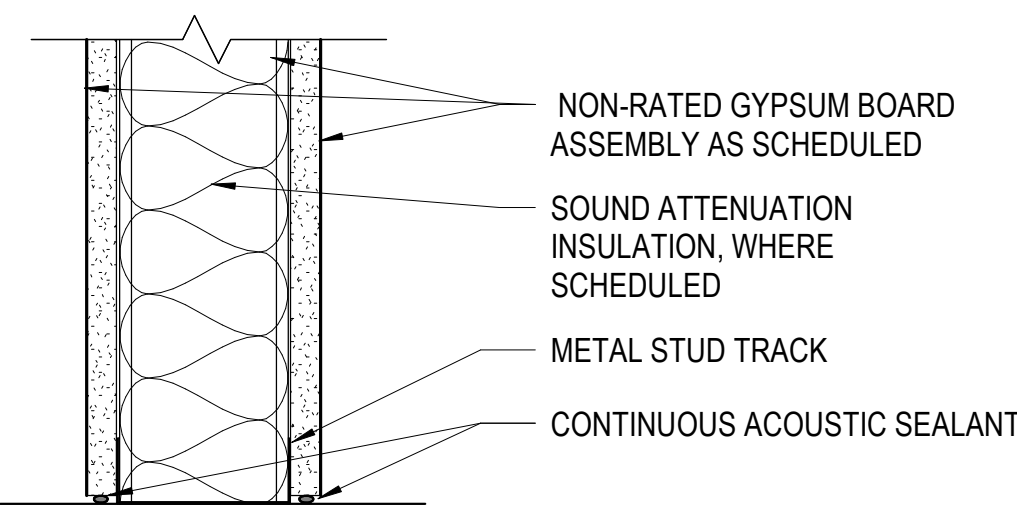
ROOF TYPE 2

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



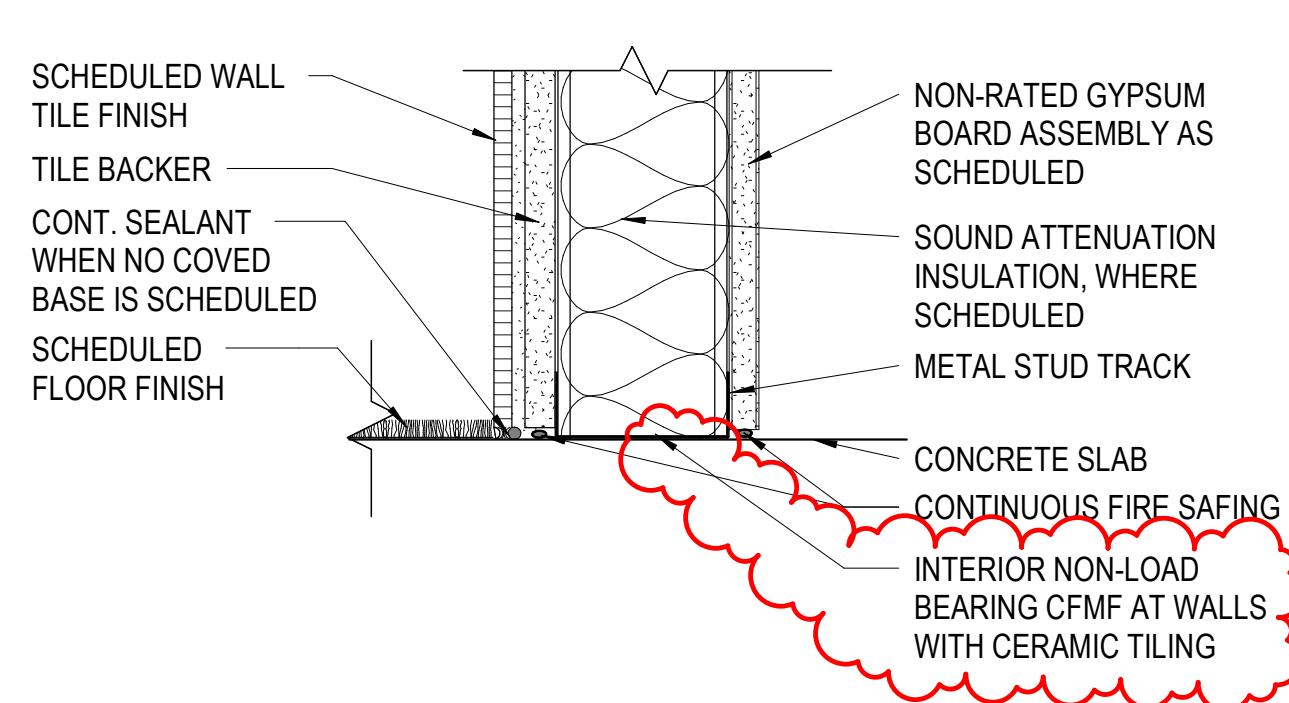
MASONRY WALL BASE

SCALE: 3" = 1'-0"



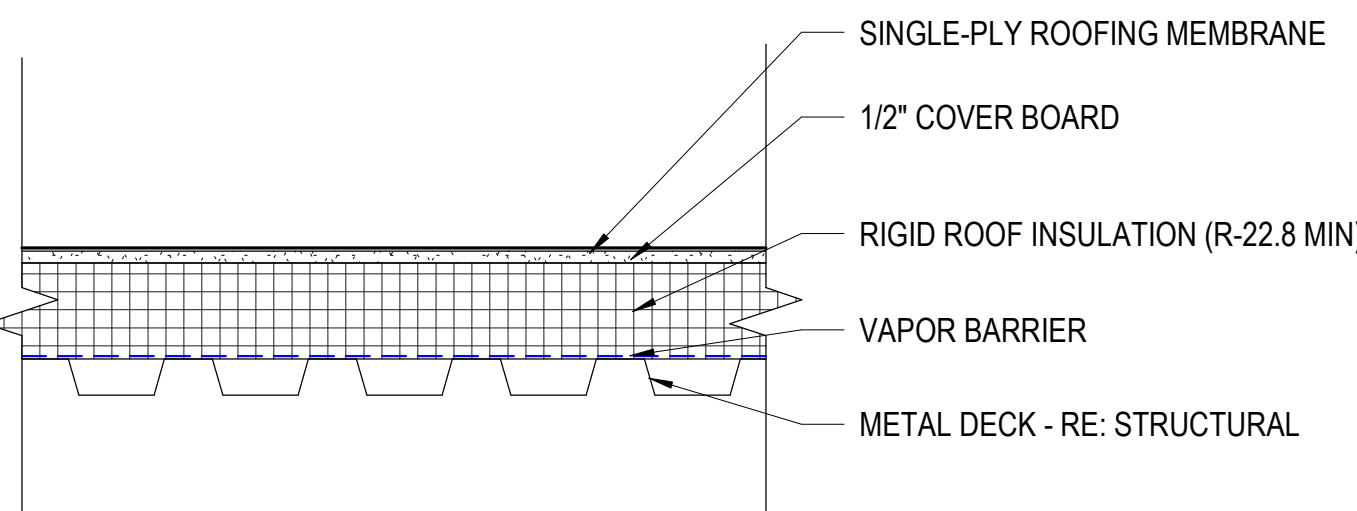
WALL BASE - GYP BD

SCALE: 3" = 1'-0"



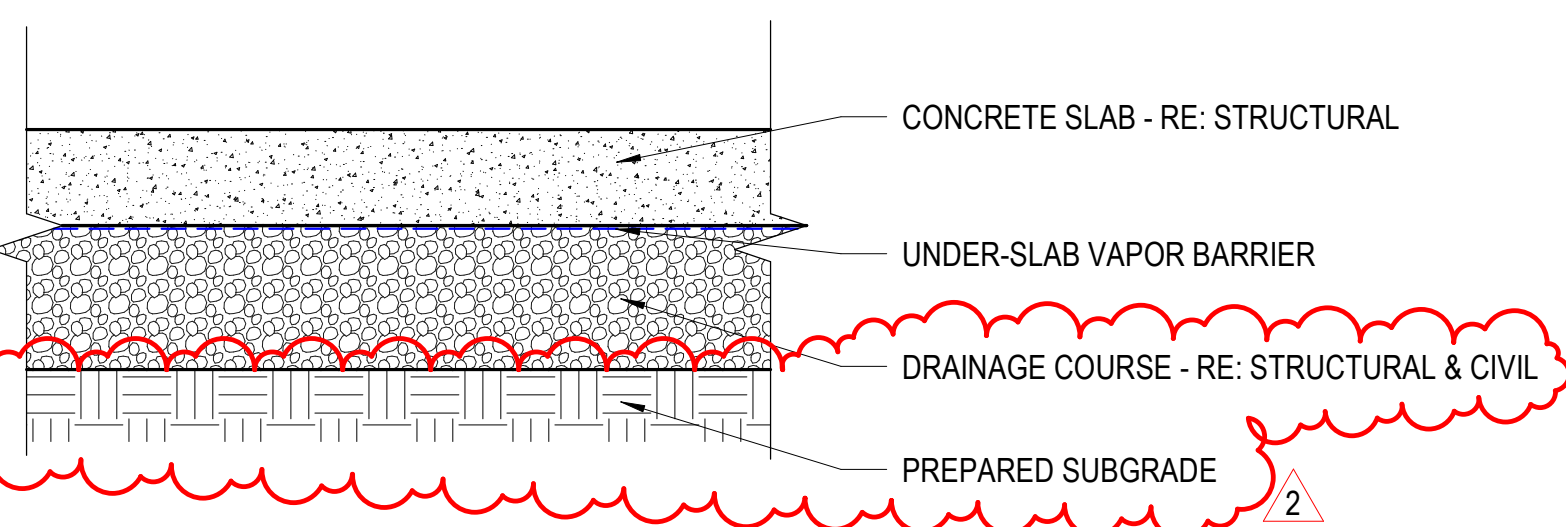
WALL BASE - TILE WALL

SCALE: 3" = 1'-0"



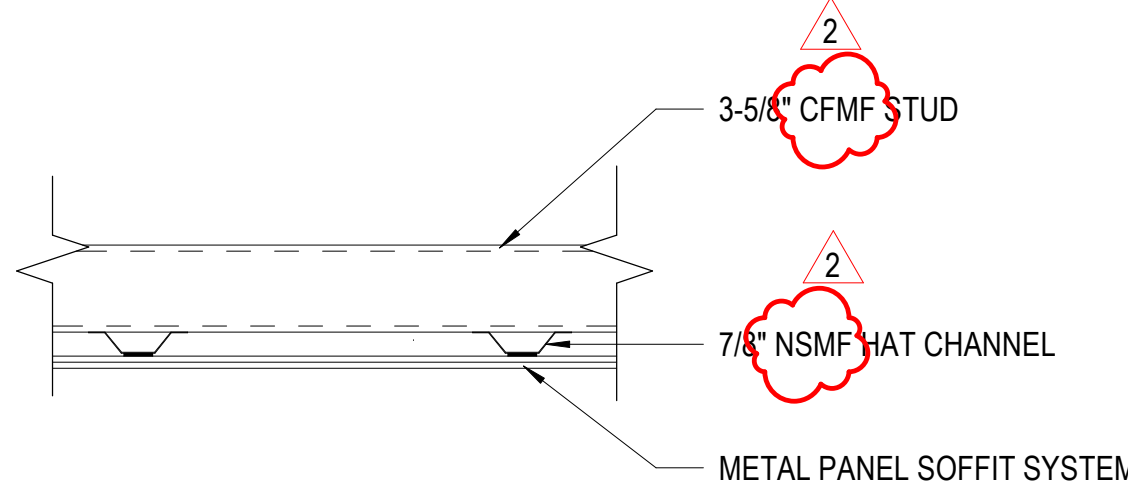
ROOF TYPE 1

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



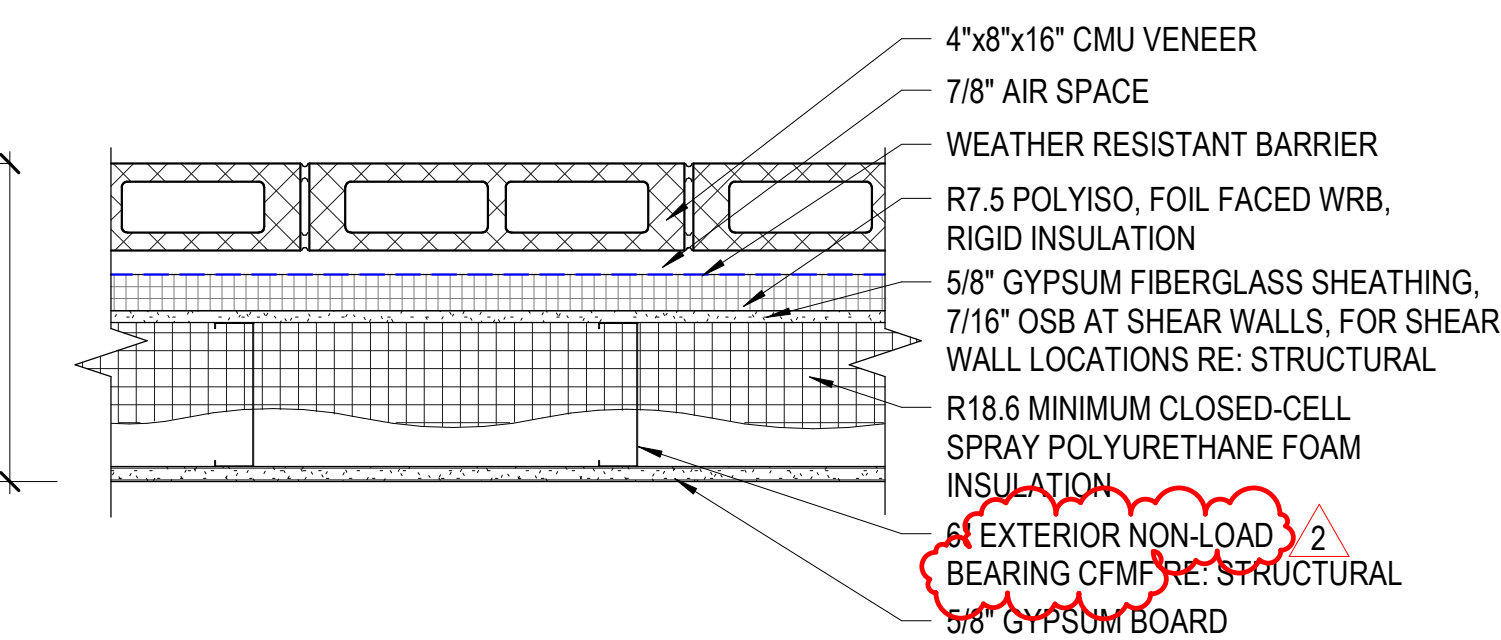
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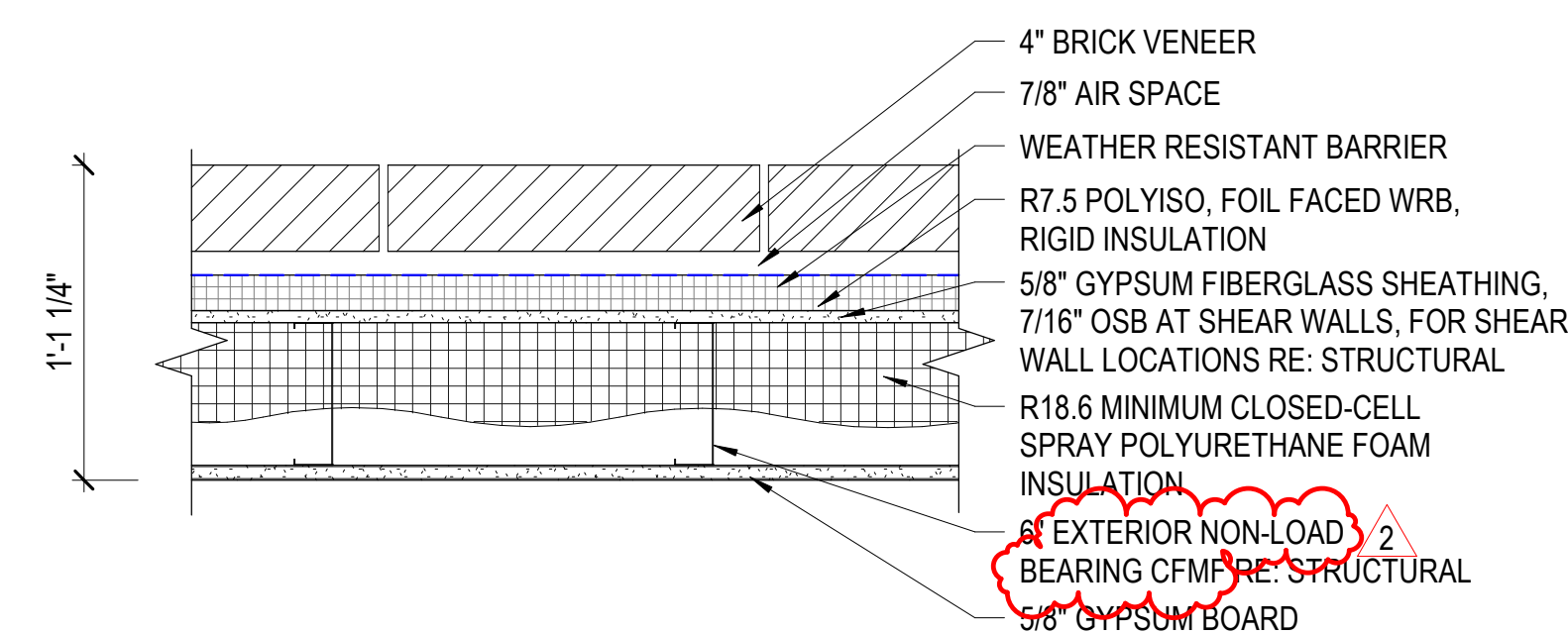
SOFFIT TYPE 1

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



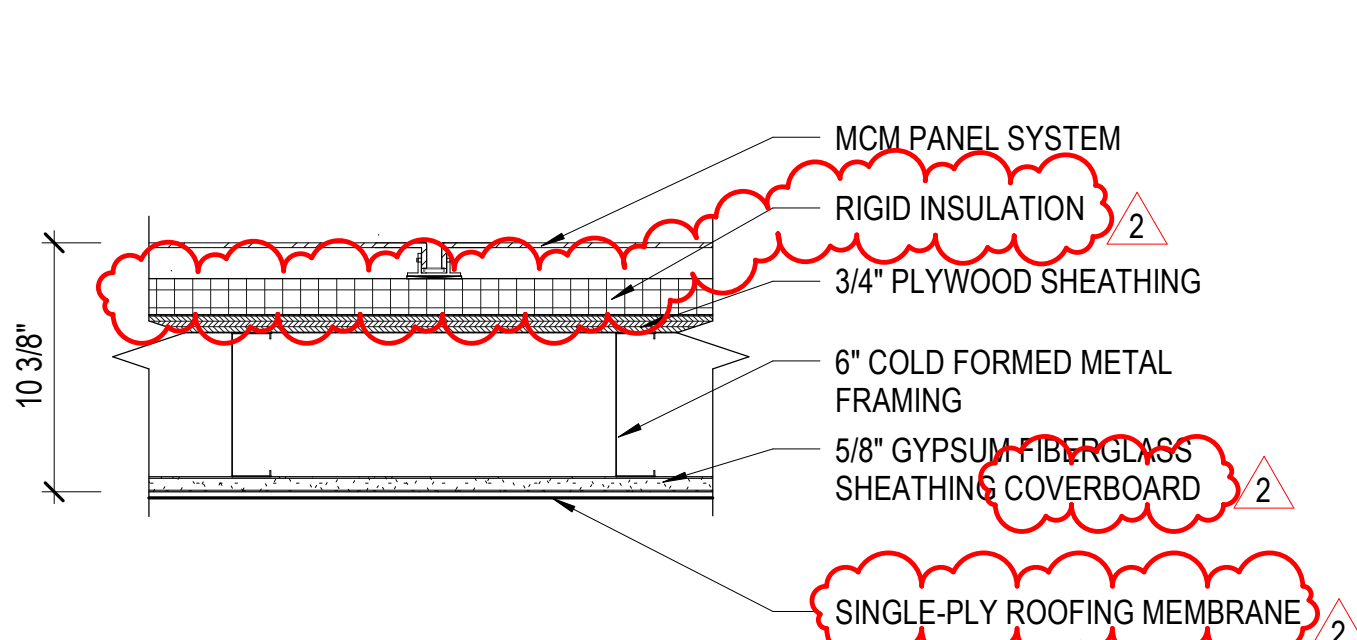
EXTERIOR WALL TYPE E1

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



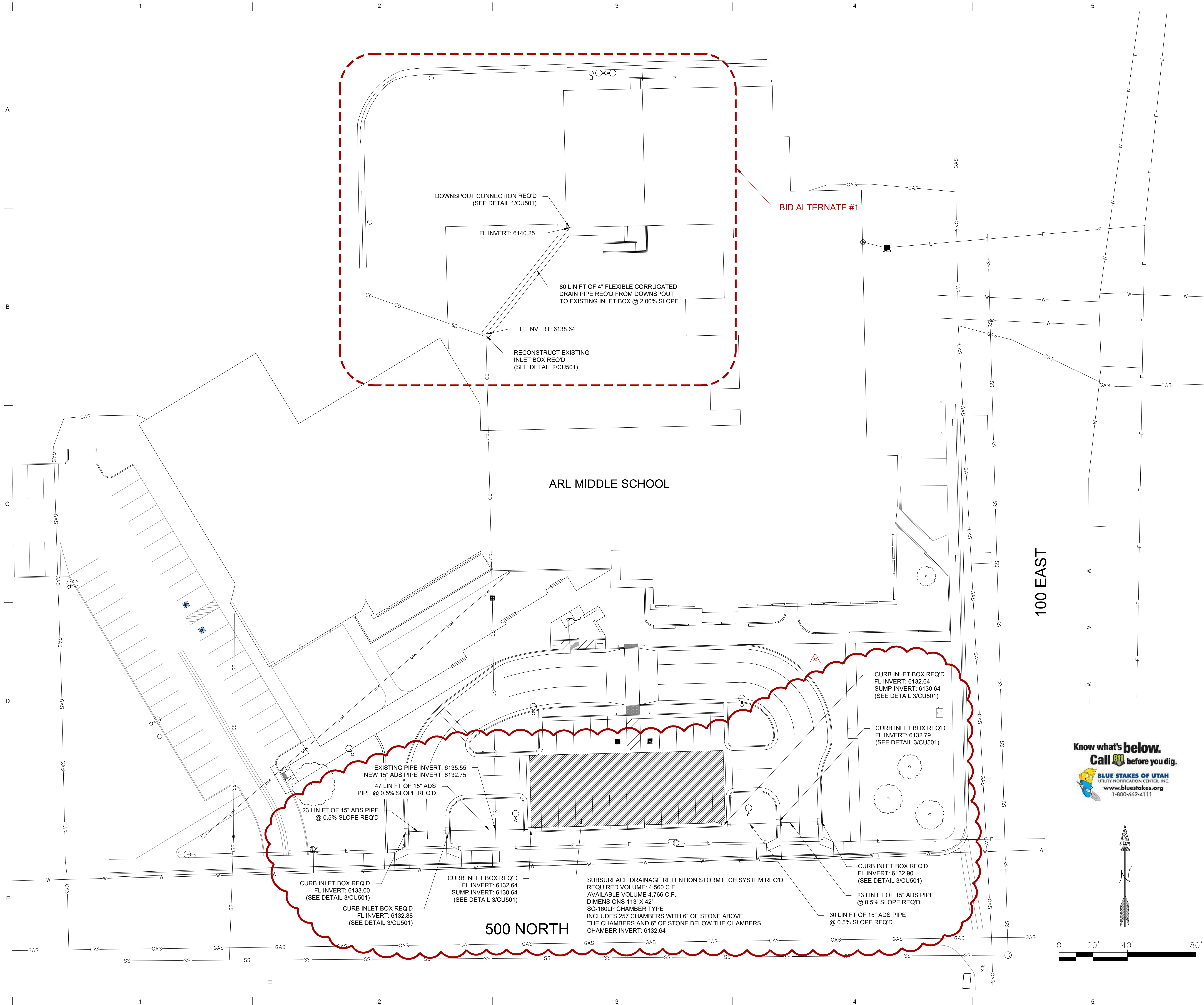
EXTERIOR WALL TYPE E2

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



EXTERIOR WALL TYPE E3

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



**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES**
525 North 100 East, Blanding, Utah 84511

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MHTN PROJECT NO. 2023554.01

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
02	03.02.2026	ADDENDUM #02

ISSUE
CONSTRUCTION DOCUMENTS

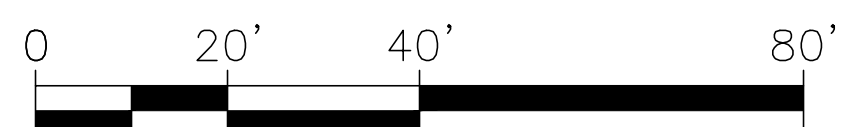
06 FEBRUARY 2026

SHEET NAME

**UTILITY
PLAN**

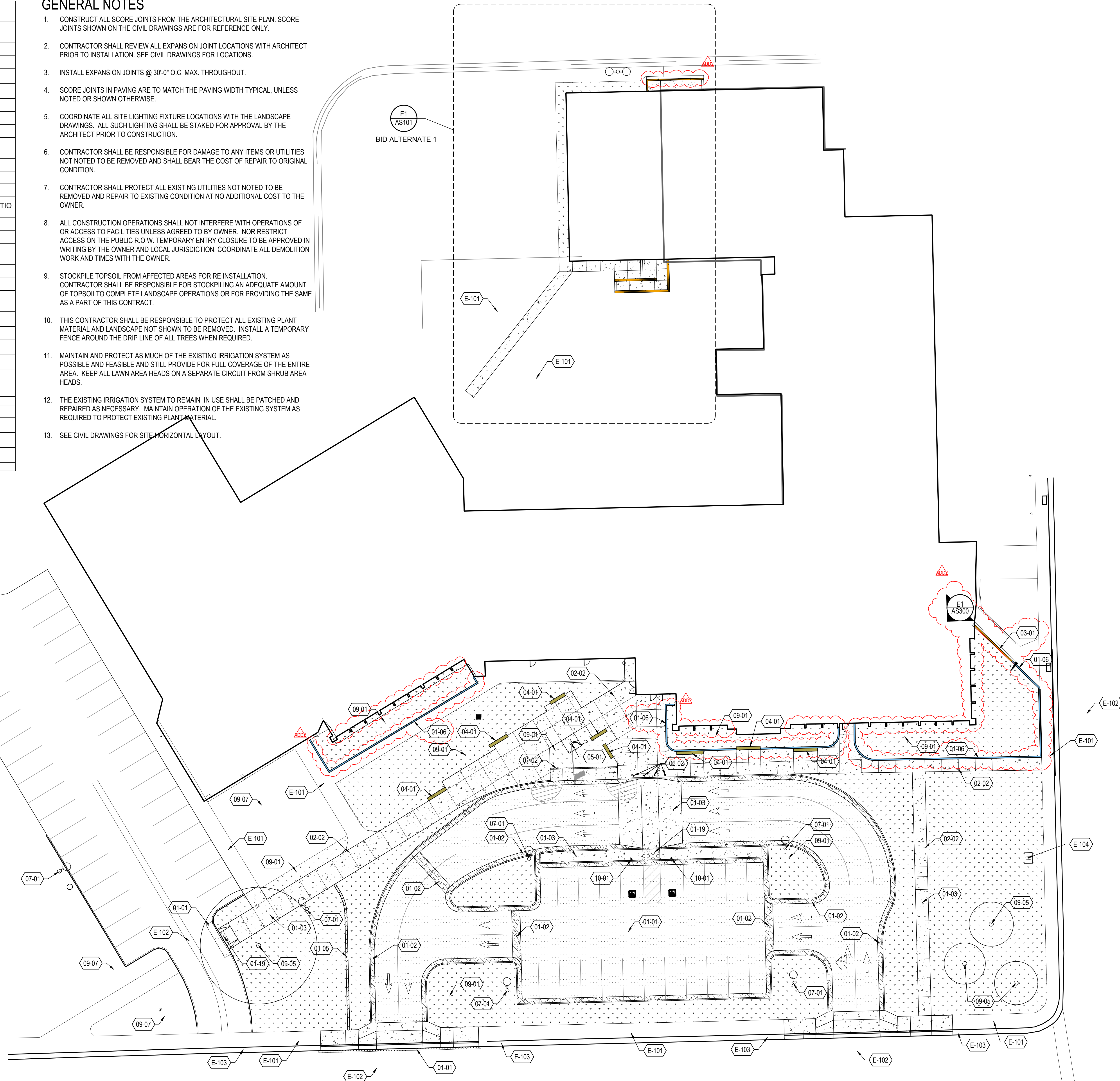
SHEET NUMBER

CU101



SYMBOL	CODE	DESCRIPTION	DETAIL	RELATED DETAILS
01 PAVEMENTS, RAMPS, CURBS				
	01-01	ASPHALT PAVING - SEE CIVIL		321216
	01-02	CONCRETE CURB AND GUTTER - SEE CIVIL		321613
	01-03	CONCRETE PAVING TYPE 1 - SEE CIVIL		321300
	01-05	CONCRETE MOWSTRIP	A3/AS500	321600
	01-06	RAISED MOWCURB - SEE CIVIL		
	01-19	TRUNCATED DOMES		
02 JOINTING				
	02-02	CONTROL JOINT		321300
SYMBOL	CODE	DESCRIPTION	DETAIL	
03 STEPS				
	03-01	CHEEKWALL	E3/AS500	
SYMBOL	CODE	DESCRIPTION	DETAIL	SPECIFICATION
04 WALLS AND EMBANKMENTS				
	04-01	CONCRETE SEAT WALL	C1/AS500	033100
05 SITE FURNISHINGS				
	05-01	FLAG POLE	A1/AS500	107500
SYMBOL	CODE	DESCRIPTION	DETAIL	
06 RAILINGS, BARRIERS, FENCING				
	06-02	BOLLARD	A4/AS500	
07 SITE LIGHTING				
	07-01	LIGHT POLE - SEE ELECTRICAL PLAN		
09 LANDSCAPE AND IRRIGATION				
	09-01	LANDSCAPE AREA - SEE LANDSCAPE PLAN		
	09-05	EXISTING TREE - PROTECT IN PLACE		
	09-07	EXISTING LANDSCAPE - PRESERVE AND PROTECT		
10 KEYNOTES				
	10-01	ADA SIGN - SEE CIVIL		
REFERENCE NOTES				
	E-101	EXISTING CONCRETE - SEE CIVIL		
	E-102	EXISTING ASPHALT - SEE CIVIL		
	E-103	EXISTING CURB AND GUTTER - SEE CIVIL		
	E-104	EXISTING MARQUEE SIGN		

1. CONSTRUCT ALL SCORE JOINTS FROM THE ARCHITECTURAL SITE PLAN. SCORE JOINTS SHOWN ON THE CIVIL DRAWINGS ARE FOR REFERENCE ONLY.
2. CONTRACTOR SHALL REVIEW ALL EXPANSION JOINT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. SEE CIVIL DRAWINGS FOR LOCATIONS.
3. INSTALL EXPANSION JOINTS @ 30'-0" O.C. MAX. THROUGHOUT.
4. SCORE JOINTS IN PAVING ARE TO MATCH THE PAVING WIDTH TYPICAL, UNLESS NOTED OR SHOWN OTHERWISE.
5. COORDINATE ALL SITE LIGHTING FIXTURE LOCATIONS WITH THE LANDSCAPE DRAWINGS. ALL SUCH LIGHTING SHALL BE STAKED FOR APPROVAL BY THE ARCHITECT PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY ITEMS OR UTILITIES NOT NOTED TO BE REMOVED AND SHALL BEAR THE COST OF REPAIR TO ORIGINAL CONDITION.
7. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES NOT NOTED TO BE REMOVED AND REPAIR TO EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
8. ALL CONSTRUCTION OPERATIONS SHALL NOT INTERFERE WITH OPERATIONS OF OR ACCESS TO FACILITIES UNLESS AGREED TO BY OWNER. NOR RESTRICT ACCESS ON THE PUBLIC R.O.W. TEMPORARY ENTRY CLOSURE TO BE APPROVED IN WRITING BY THE OWNER AND LOCAL JURISDICTION. COORDINATE ALL DEMOLITION WORK AND TIMES WITH THE OWNER.
9. STOCKPILE TOPSOIL FROM AFFECTED AREAS FOR RE INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR STOCKPILING AN ADEQUATE AMOUNT OF TOPSOIL TO COMPLETE LANDSCAPE OPERATIONS OR FOR PROVIDING THE SAME AS A PART OF THIS CONTRACT.
10. THIS CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING PLANT MATERIAL AND LANDSCAPE NOT SHOWN TO BE REMOVED. INSTALL A TEMPORARY FENCE AROUND THE DRIP LINE OF ALL TREES WHEN REQUIRED.
11. MAINTAIN AND PROTECT AS MUCH OF THE EXISTING IRRIGATION SYSTEM AS POSSIBLE AND FEASIBLE AND STILL PROVIDE FOR FULL COVERAGE OF THE ENTIRE AREA. KEEP ALL LAWN AREA HEADS ON A SEPARATE CIRCUIT FROM SHRUB AREA HEADS.
12. THE EXISTING IRRIGATION SYSTEM TO REMAIN IN USE SHALL BE PATCHED AND REPAIRED AS NECESSARY. MAINTAIN OPERATION OF THE EXISTING SYSTEM AS REQUIRED TO PROTECT EXISTING PLANT MATERIAL.
13. SEE CIVIL DRAWINGS FOR SITE/HORIZONTAL LAYOUT.



SAN JUAN SCHOOL DISTRICT
ALBERT R. LYMAN MIDDLE SCHOOL
BLANDING, UTAH 84511

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MHTN PROJECT NO. 2023554.01

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

NO.	DATE	DESCRIPTION
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ADD2	MAR-02, 2020	ADDENDUM 2

ISSUE
CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME
OVERALL SITE

OVERALL SITE

PLAN

SHEET NUMBER

AQ100

AS100

Notes

00 OVERALL SITE PLAN

1" = 20'

AS100

B

(E)

VIEW-667908430

**B**

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REVISIONS

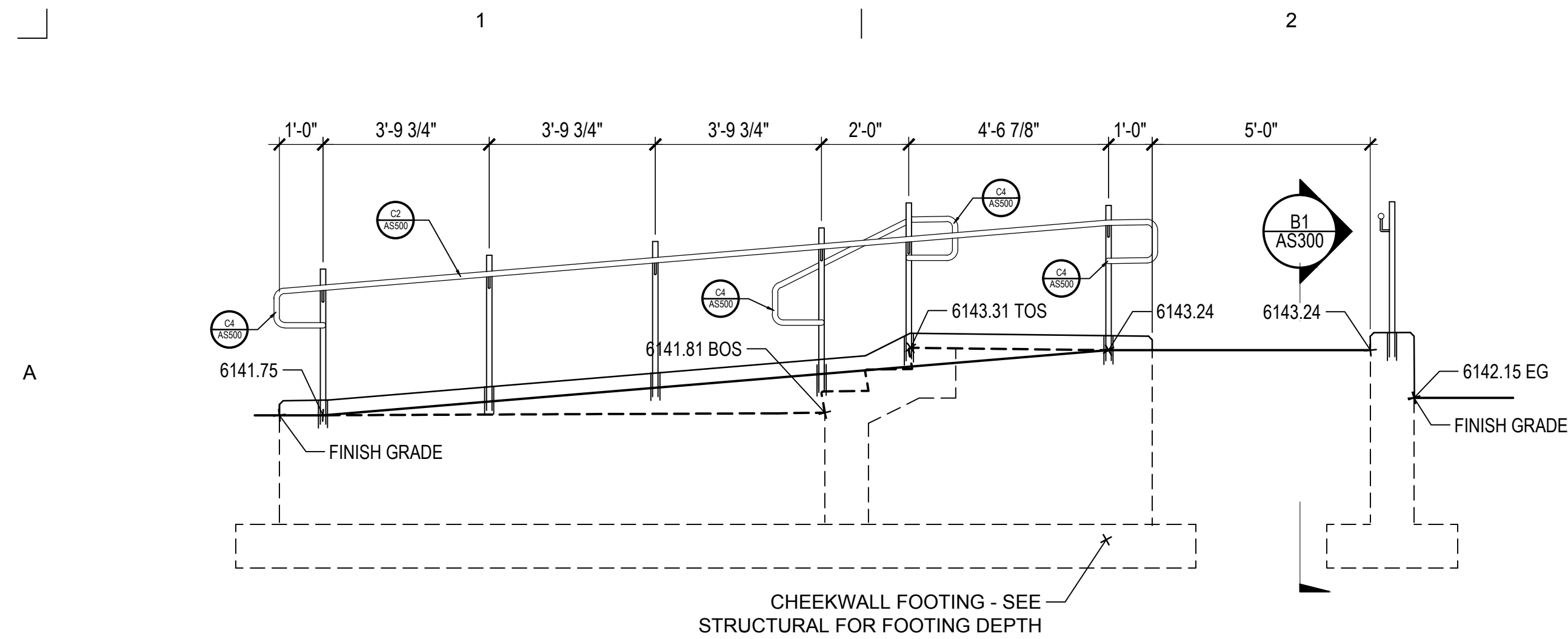
ISSUE
CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

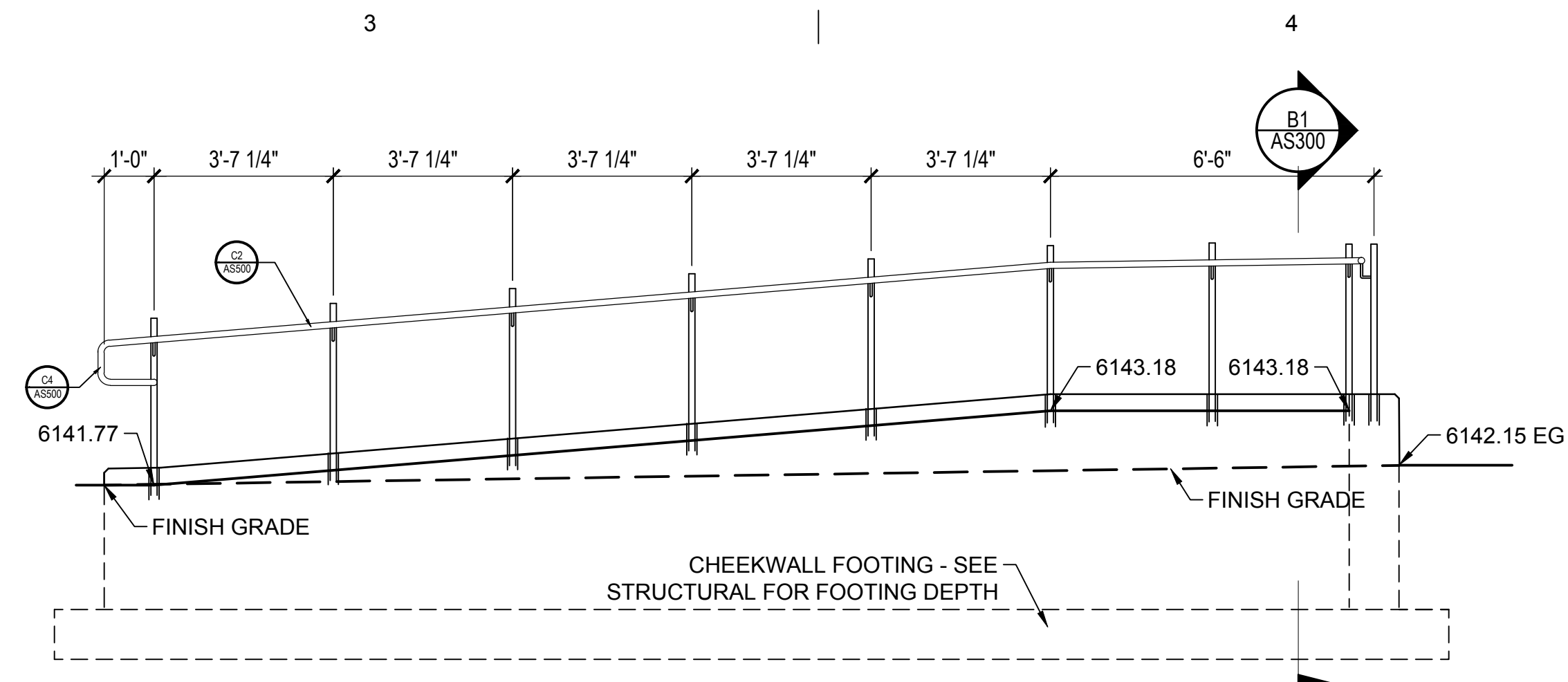
SHEET NAME
BID ALTERNATE 1

SHEET NUMBER

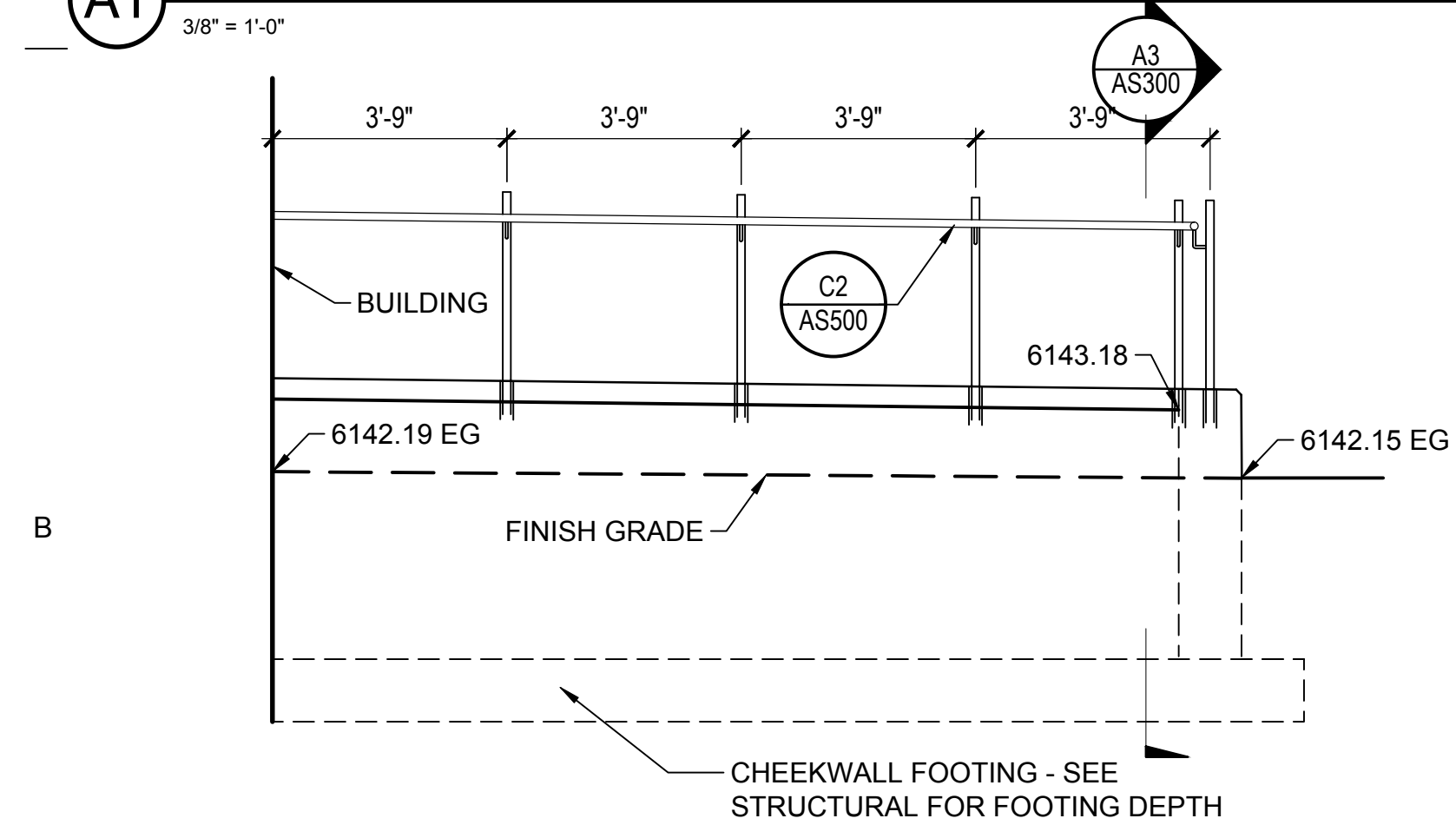
AS101



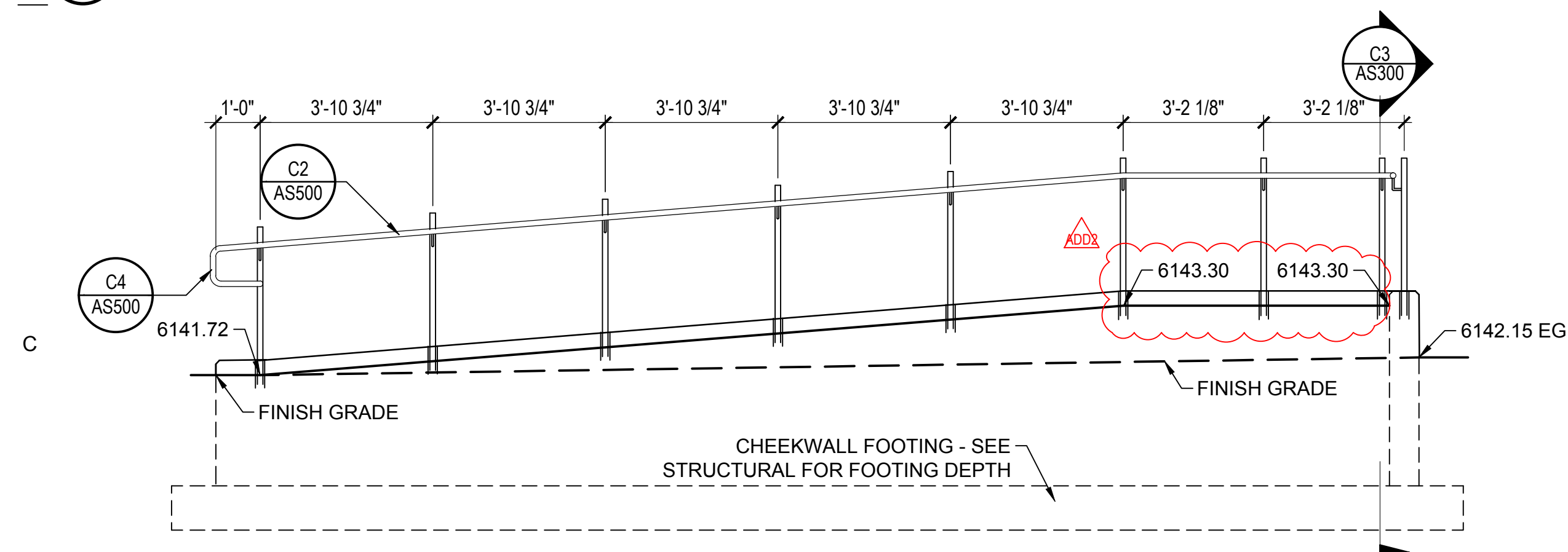
A1 SOUTH STAIR RAMP A
3/8" = 1'-0"



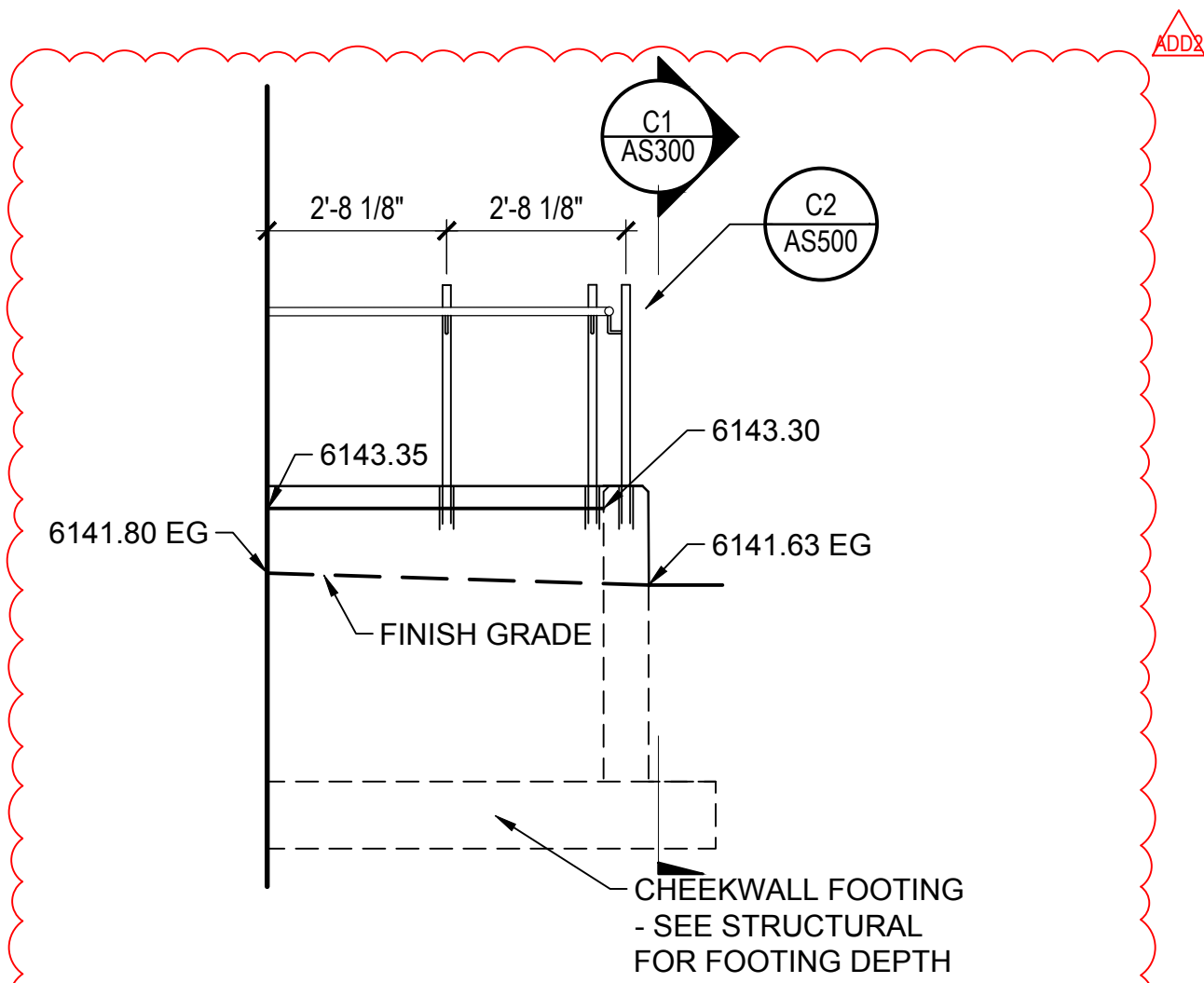
A3 SOUTH STAIR RAMP B
3/8" = 1'-0"



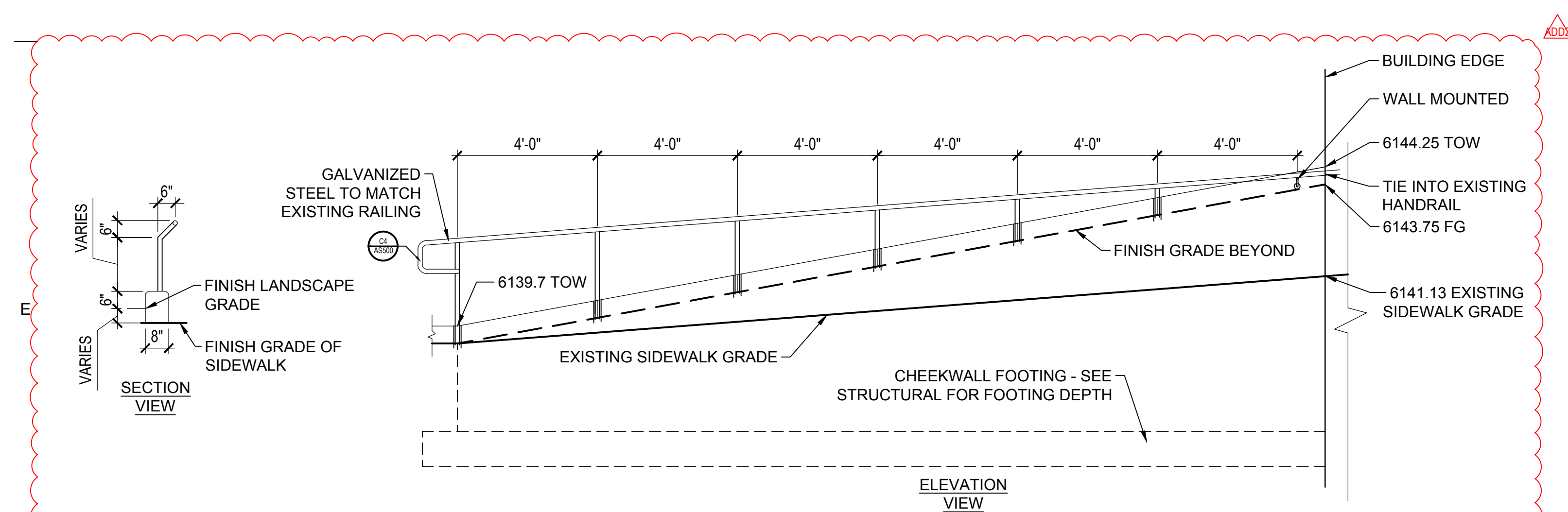
B1 SOUTH STAIR RAMP C
3/8" = 1'-0"



C1 NORTH RAMP A



C3 NORTH RAMP B



E1 EAST RAMP WALL
3/8" = 1'-0"

SAN JUAN SCHOOL DISTRICT
ALBERT R. LYMAN MIDDLE SCHOOL
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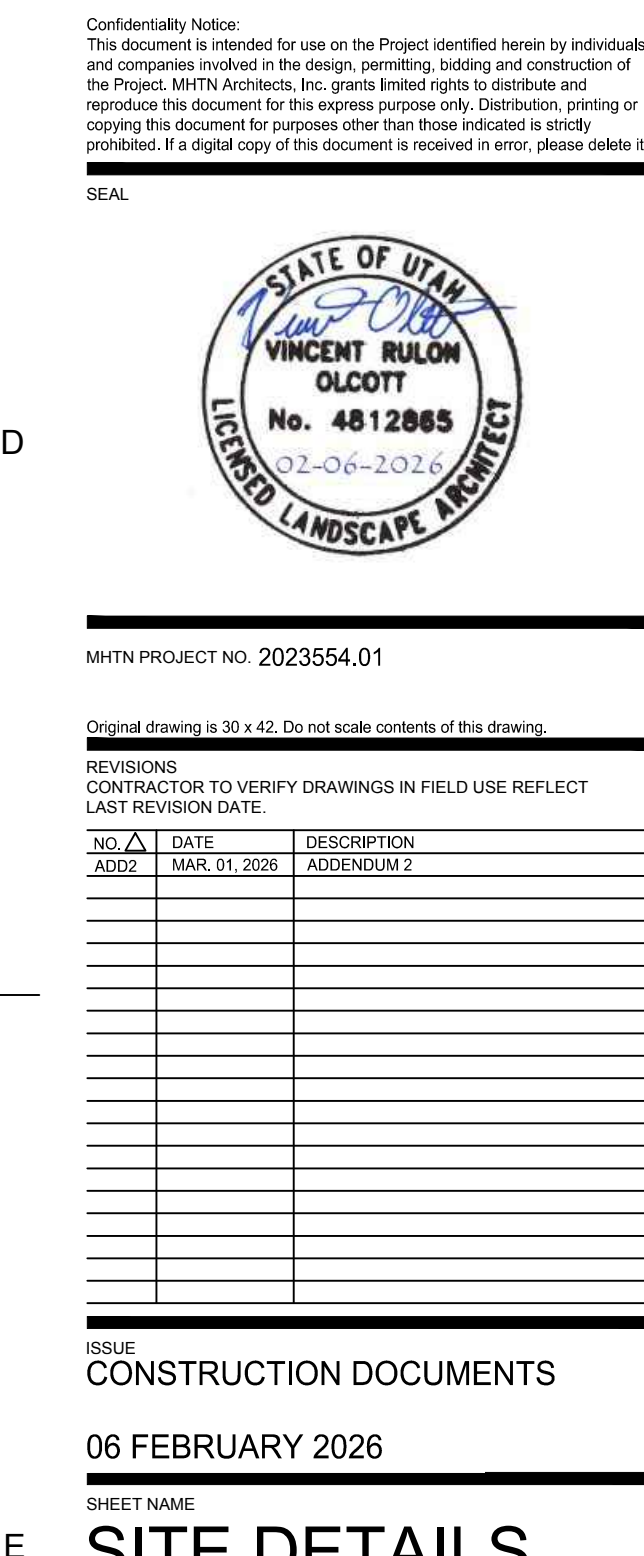
06 FEBRUARY 2026

SHEET NAME

STAIR AND RAMP SECTIONS

SHEET NUMBER _____

AS300

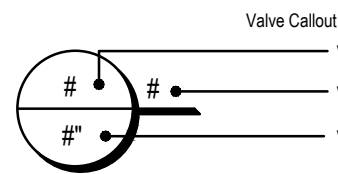


IRRIGATION NOTES

1. ALL MAIN LINE PIPE SHALL BE NEW SCHEDULE 40 PVC PIPE WITH DEEP SOCKET FITTINGS ON ALL 3" TEES, ELBOWS AND 90'S. ALL LATERAL LINE PIPE SHALL BE SCHEDULE 40 PVC PIPE. FITTINGS ON ALL LATERAL LINES SHALL BE SCHEDULE 40 FITTINGS.
2. ALL GALVANIZED PIPE ON DETAILS SHALL BE NEW GALVANIZED STEEL PIPE.
3. LIVE SERVICE MAINS SHALL BE INSTALLED A MINIMUM OF 18" BELOW FINISH GRADE. BACKFILL TRENCH AROUND LIVE SERVICE MAIN WITH A MINIMUM OF 8" OF SAND. LATERAL LINES SHALL BE PLACED A MINIMUM OF 12" BELOW FINISH GRADE.
4. ALL MAIN LINES SHALL SLOPE TO DRAIN. IF FIELD CONDITIONS NECESSITATE ADDITIONAL DRAINS, THESE DRAINS SHALL BE INSTALLED FOR COMPLETE DRAINAGE OF THE ENTIRE MAINLINE. PROVIDE A 24" DIA. X 24" DEEP GRAVEL SUMP UNDER EACH DRAIN, WHICH DRAIN SHALL BE A MIN. OF 24" BELOW GRADE. ALL MANUAL DRAIN VALVES SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS. INSTALL GEO-TEXTILE FABRIC AROUND EACH GRAVEL DRAIN.
5. THIS CONTRACTOR SHALL PROVIDE AND INSTALL AIR RELIEF VALVES ON THE MAINLINE AT ALL DEAD END RUNS AND AT ALL HIGH POINTS THROUGHOUT.
6. THE CONTRACTOR SHALL PRESSURE TEST THE MAINLINE AT 150 P.S.I. PRIOR TO INSTALLING ANY LATERAL LINES.
7. IRRIGATION SYSTEM IS DESIGNED SO THAT THE SYSTEM CAN BE WINTERIZED USING COMPRESSED AIR. DO NOT INSTALL AUTOMATIC DRAINS ANYWHERE ON THE SYSTEM.
8. THIS CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE IRRIGATION SPRINKLER SYSTEM IN CAD FORMAT SHOWING EXACT MEASURED AND DIMENSIONED LOCATIONS OF ALL VALVES, WIRE SPLICES NOT IN A VALVE BOX AND OTHER IRRIGATION EQUIPMENT. SEE SPECIFICATIONS. TIE DIMENSIONS TO PERMANENT FEATURES SUCH AS STRUCTURES.
9. THIS DRAWING IS DIAGRAMMATIC ONLY AND IS INTENDED TO CONVEY THE IDEA OF FULL COVERAGE OF THE IRRIGATION SPRINKLER SYSTEM. PRINTS SHALL NOT BE SCALED. THE IRRIGATION SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION LAYOUT OF THE SYSTEM IN ACCORDANCE WITH THE DRAWINGS TO PROPORTIONALLY COVER A GIVEN AREA AS SHOWN. THE LAYOUT MAY BE MODIFIED IF NECESSARY TO OBTAIN COVERAGE TO SUIT THE MANUFACTURERS STANDARD HEADS INDICATED. DO NOT DECREASE THE NUMBER OF HEADS INDICATED UNLESS THIS IS ACCEPTABLE TO THE LANDSCAPE ARCHITECT. THE SYSTEM SHALL BE TESTED FOR COMPLETE COVERAGE AND ALL NECESSARY PROPER ADJUSTMENTS MADE TO GET FULL AND PROPER COVERAGE PRIOR TO ACCEPTANCE BY THE OWNER.
10. VERIFY THE SYSTEM OPERATING PRESSURE ON ALL LARGE HEADS AND MATCH FOR NEW LARGE AND SMALL HEADS UNLESS OTHERWISE NOTED.
11. WIRE SPLICES AND DRAIN VALVES NOT IN CONTROL VALVE BOXES. SHALL BE IN 10" ROUND VALVE BOXES.
12. ALL VALVES TO BE WIRED TO CONTROLLERS USING MULTI-STRAND. WIRE AND PEN-TITE WATER RESISTANT WIRE CONNECTORS. ALL VALVE WIRES UNDER PAVING SHALL BE INSTALLED IN A MINIMUM 2" SCHEDULE 40 PVC CONDUIT BURIED 24" DEEP. PROVIDE AND INSTALL A DIFFERENT COLOR VALVE WIRE FOR EACH CONTROLLER. RUN THREE EXTRA REQUIRED TWO HOT (BLUE COLOR) AND ONE COMMON WIRE (WHITE COLOR). EXTRA WIRE FROM THE ADJACENT CONTROLLER TO EACH GROUP OF VALVES FOR FUTURE USE AND STUB INTO THE VALVE BOX.
13. ALL VALVE BOXES SHALL BE JUMBO SIZED PLASTIC BOXES, AMETEC OR EQUAL UNLESS OTHERWISE DETAILED.
14. ALL VALVES WILL BE LOCATED IN GROUPS 3' AWAY FROM WALKS AND CURBS-COORDINATE WITH MAINLINE LAYOUT. A DRAIN VALVE WITH SUMP SHALL BE PROVIDED AND INSTALLED AT EACH GROUP OF VALVES. A QUICK COUPLER SHALL BE PROVIDED AT EVERY VALVE MANIFOLD LOCATION. VALVES SHALL BE LOCATED 3'-0" AWAY FROM THE CURBS, WALKS OR MOWSTRIP.
15. ALL ISOLATION VALVES AT VALVE MANIFOLDS SHALL BE APOLLO 70-100 SERIES BALL VALVES.
16. ALL HEADS SHALL BE SET PERPENDICULAR TO THE EXISTING GRADE SO AS TO PROVIDE PROPER COVERAGE.
17. A MAXIMUM OF FOUR VALVES SHALL BE INSTALLED ON EACH VALVE MANIFOLD OR MAIN LINE TEE. ALL MAINLINE MANIFOLD TEES SHALL HAVE A 4" MINIMUM OUTLET.
18. ALL HEADS ADJACENT TO BLDG. SHALL BE INSTALLED A MIN. OF 12" AWAY FROM BLDG.
19. PROVIDE AND INSTALL ALL THE MANUFACTURER'S RECOMMENDED SURGE AND LIGHTNING PROTECTION EQUIPMENT ON ALL NECESSARY SYSTEM COMPONENTS, INCLUDING GROUNDING PLATES WITH SOIL ENHANCER.
20. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SITE ITEMS DAMAGED DURING THE COURSE OF CONSTRUCTION.
21. IRRIGATION PRODUCT SUBMITTALS SHALL INCLUDE PIPE SLEEVING, CONDUIT, AND ASSOCIATED COMPONENTS
22. THIS CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL THE EXISTING TREES AND MINIMIZE DAMAGE TO ALL TREE ROOTS. INSTALL LATERALS TO HEADS IN A MANNER TO MINIMIZE ROOT DAMAGE TO ALL EXISTING TREES.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
⊙	RAIN BIRD 5006-PL-PC-SAM-MPR 25 TURF ROTOR, 6IN. POP-UP, PLASTIC RISER, WITH FLOW SHUT-OFF DEVICE, MATCHED PRECIPITATION ROTOR (MPR NOZZLE), ARC AND RADIUS AS PER SYMBOL, 25 FT-RED, 30 FT-GREEN, 35FT-BEIGE, WITH SEAL-A-MATIC CHECK VALVE.	45	25'
⊙	RAIN BIRD 5006-PL-PC-SAM-MPR 30 TURF ROTOR, 6IN. POP-UP, PLASTIC RISER, WITH FLOW SHUT-OFF DEVICE, MATCHED PRECIPITATION ROTOR (MPR NOZZLE), ARC AND RADIUS AS PER SYMBOL, 25 FT-RED, 30 FT-GREEN, 35FT-BEIGE, WITH SEAL-A-MATIC CHECK VALVE.	45	30'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
■	RAIN BIRD XC2-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS, 1" BALL VALVE WITH 1" PESS VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER, 0.3GPM TO 20GPM.		
⊙	NETAFIM TLCV-06-12 DRIP RING		
●	NETAFIM TLCV-06-18 TREE DRIP RING		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION		
⊙	RAIN BIRD PESB-PRS-0 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION, WITH PRESSURE REGULATING MODULE, AND SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.		
⊙	IRRIGATION QUICK COUPLER VALVE		
⊙	APOLLO VALVES 70-100 BALL VALVE (LEAD FREE), LEAD FREE BRONZE BODY, BLOW-OUT PROOF STEM DESIGN, MULTI-FILL PTFE SEATS & SEALS		
⊙	DRAIN VALVE		
---	IRRIGATION LATERAL LINE: PVC SCHEDULE 40		
- - -	IRRIGATION LATERAL LINE: PVC CLASS 200		
- - -	IRRIGATION MAINLINE: PVC SCHEDULE 40 SCHEDULE 40 PVC PIPE WITH SCHEDULE 40 FITTINGS		
=====	PIPE SLEEVE: PVC CLASS 200 SDR 21		

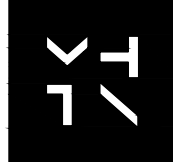
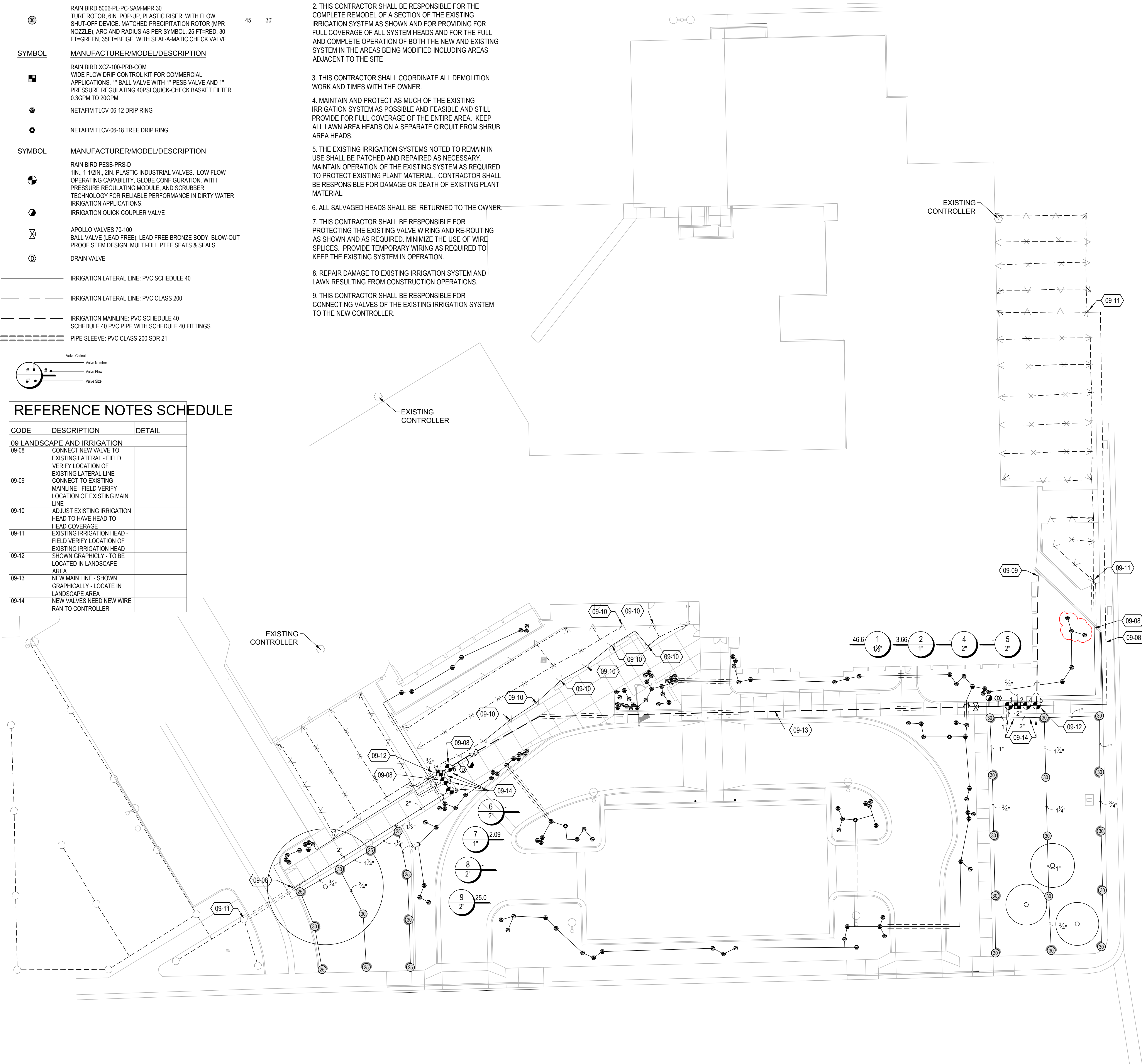


REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	DETAIL
09 LANDSCAPE AND IRRIGATION		
09-08	CONNECT NEW VALVE TO EXISTING LATERAL - FIELD VERIFY LOCATION OF EXISTING LATERAL LINE	
09-09	CONNECT TO EXISTING MAINLINE - FIELD VERIFY LOCATION OF EXISTING MAIN LINE	
09-10	ADJUST EXISTING IRRIGATION HEAD TO HAVE HEAD TO HEAD COVERAGE	
09-11	EXISTING IRRIGATION HEAD - FIELD VERIFY LOCATION OF EXISTING IRRIGATION HEAD	
09-12	SHOWN GRAPHICLY - TO BE LOCATED IN LANDSCAPE AREA	
09-13	NEW MAIN LINE - SHOWN GRAPHICALLY - LOCATE IN LANDSCAPE AREA	
09-14	NEW VALVES NEED NEW WIRE RAN TO CONTROLLER	

IRRIGATION REMODEL NOTES

1. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE EXISTING SPRINKLER IRRIGATION SYSTEM IN TERMS OF FLOW CAPACITY, VALVE WIRING, VALVE AND HEAD LAYOUT AND CONTROLLER CAPACITY.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMODEL OF A SECTION OF THE EXISTING IRRIGATION SYSTEM AS SHOWN AND FOR PROVIDING FOR FULL COVERAGE OF ALL SYSTEM HEADS AND FOR THE FULL AND COMPLETE OPERATION OF BOTH THE NEW AND EXISTING SYSTEM IN THE AREAS BEING MODIFIED INCLUDING AREAS ADJACENT TO THE SITE
3. THIS CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK AND TIMES WITH THE OWNER.
4. MAINTAIN AND PROTECT AS MUCH OF THE EXISTING IRRIGATION SYSTEM AS POSSIBLE AND FEASIBLE AND STILL PROVIDE FOR FULL COVERAGE OF THE ENTIRE AREA. KEEP ALL LAWN AREA HEADS ON A SEPARATE CIRCUIT FROM SHRUB AREA HEADS.
5. THE EXISTING IRRIGATION SYSTEMS NOTED TO REMAIN IN USE SHALL BE PATCHED AND REPAIRED AS NECESSARY. MAINTAIN OPERATION OF THE EXISTING SYSTEM AS REQUIRED TO PROTECT EXISTING PLANT MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE OR DEATH OF EXISTING PLANT MATERIAL.
6. ALL SALVAGED HEADS SHALL BE RETURNED TO THE OWNER.
7. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE EXISTING VALVE WIRING AND RE-ROUTING AS SHOWN AND AS REQUIRED. MINIMIZE THE USE OF WIRE SPLICES. PROVIDE TEMPORARY WIRING AS REQUIRED TO KEEP THE EXISTING SYSTEM IN OPERATION.
8. REPAIR DAMAGE TO EXISTING IRRIGATION SYSTEM AND LAWN RESULTING FROM CONSTRUCTION OPERATIONS.
9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING VALVES OF THE EXISTING IRRIGATION SYSTEM TO THE NEW CONTROLLER.



MHTN

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SAN JUAN SCHOOL DISTRICT

ALBERT R. LYMAN MIDDLE SCHOOL

BLANDING, UTAH 84511

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REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE

NO.	DATE	DESCRIPTION
1	MAR 01, 2025	ISSUED FOR PERMIT
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ISSUE
CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

OVERALL
IRRIGATION PLAN

SHEET NUMBER

LI100

00 OVERALL IRRIGATION PLAN

1" = 20'

<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>REMARKS</u>
TREES					

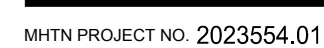
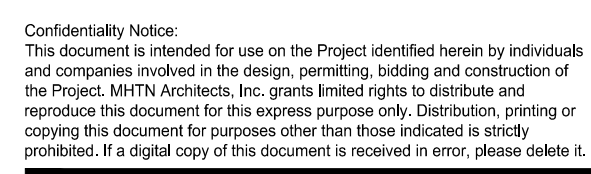
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	MAL SPR	MALLUS X 'SPRING SNOW'	SPRING SNOW CRABAPPLE	2" CAL

	ARC PAN	ARCTOSTAPHYLOS X COLORADENSIS 'PANCHITO'	PANCHITO MANZANITA	10 GAL
	FOR ARN	FORSYTHIA X 'ARNOLD'S DWARF'	ARNOLD'S DWARF FORSYTHIA	10 GAL
	HEM ORO	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DAYLILY	10 GAL
	JUN W12	JUNIPERUS HORIZONTALIS 'WILTONI'	BLUE RUG JUNIPER	10 GAL
	PAN ROT	PANICUM VIRGATUM 'ROTSTRAHLBUSCH'	ROTSTRAHLBUSCH RED SWITCH GRASS	1 GAL
	PRU PAW	PRUNUS BESSEYI 'P011S'	PAWNEE BUTTES® SAND CHERRY	5 GAL
	RHU GRO	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	5 GAL
	2'-4' BOULDER			

SYMBOL	CODE	DESCRIPTION	DETAIL	SPECIFICATION
05 SITE FURNISHINGS				
	05-01	FLAG POLE	A1/ASS00	107500
SYMBOL	CODE	DESCRIPTION	DETAIL	
09 LANDSCAPE AND IRRIGATION				
	09-02	ROCK MULCH		
	09-03	BARK MULCH		
	09-04	TURF SOD REPLACEMENT		
	09-05	EXISTING TREE - PROTECT IN PLACE		
	09-06	USE EXISTING GRAVEL OR MATCH EXISTING		

1. ALL PLANTS SHALL CONFORM TO THE MINIMUM STANDARDS OF HEIGHT, SIZE, CALIPER AND ETC. OF THE AMERICAN ASSOCIATIONS OF NURSERYMEN "AMERICAN STANDARDS FOR NURSERY STOCK".
2. THIS CONTRACTOR SHALL SPREAD TOPSOIL, TO A DEPTH OF 6" IN ALL LAWN PLANTING AREAS AND 12" IN ALL SHRUB AND PERENNIAL BEDS.
3. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING FROM THE SITE ALL SOIL EXCAVATED FROM TREE PITS.
4. ALL MOWSTRIPS ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM SYSTEM AND THE LANDSCAPE PLANTING.
5. INSTALL MULCH IN ALL SHRUB PLANTING BEDS AFTER PLANT MATERIAL INSTALLATION.
6. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THE REQUIRED AMOUNT OF TOPSOIL TO COMPLETE THE PROJECT. NEW TOPSOIL SHALL MATCH QUALITY AND TEXTURE OF THE EXISTING TOPSOIL ON SITE.

00 OVERALL LANDSCAPE PLAN
1" = 20'



Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

LAST REVISION DATE: _____

NO. Δ	DATE	DESCRIPTION
ADD2	MAR. 01, 2006	ADDENDUM 2

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

OVERALL

LANDSCAPE PLAN

LANDSCAPE PLAN

SHEET NUMBER

LD 100

IP100

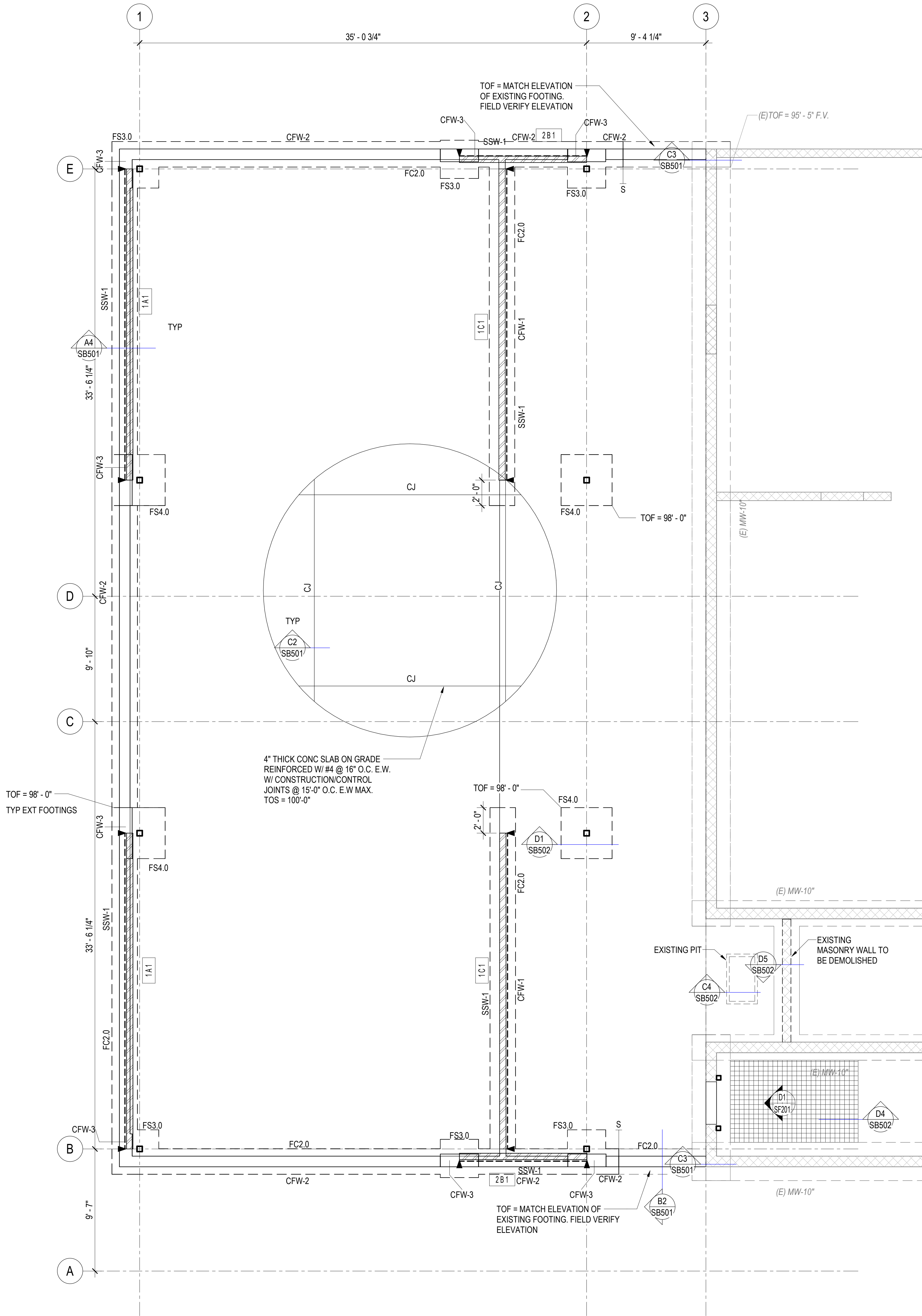
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Autodesk Docs (2023554 - SUSD School Projects (Blanding ES - MHS - ARL MS - MCES - SJU/SDA - 2023554 - SUSD ARL MS - Secure Vestibule of 3/2/2026 10:49:06 AM

A1
SB102

ENLARGED FOOTING AND FOUNDATION PLAN - CLASSROOMS BID ALT. #1

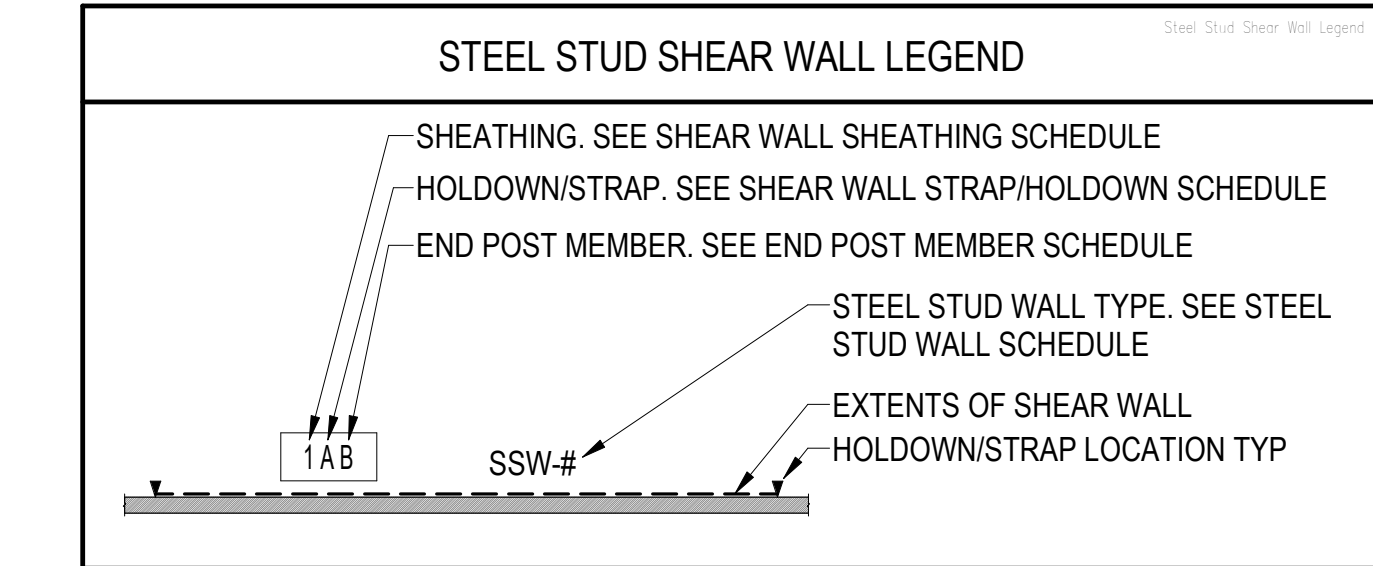
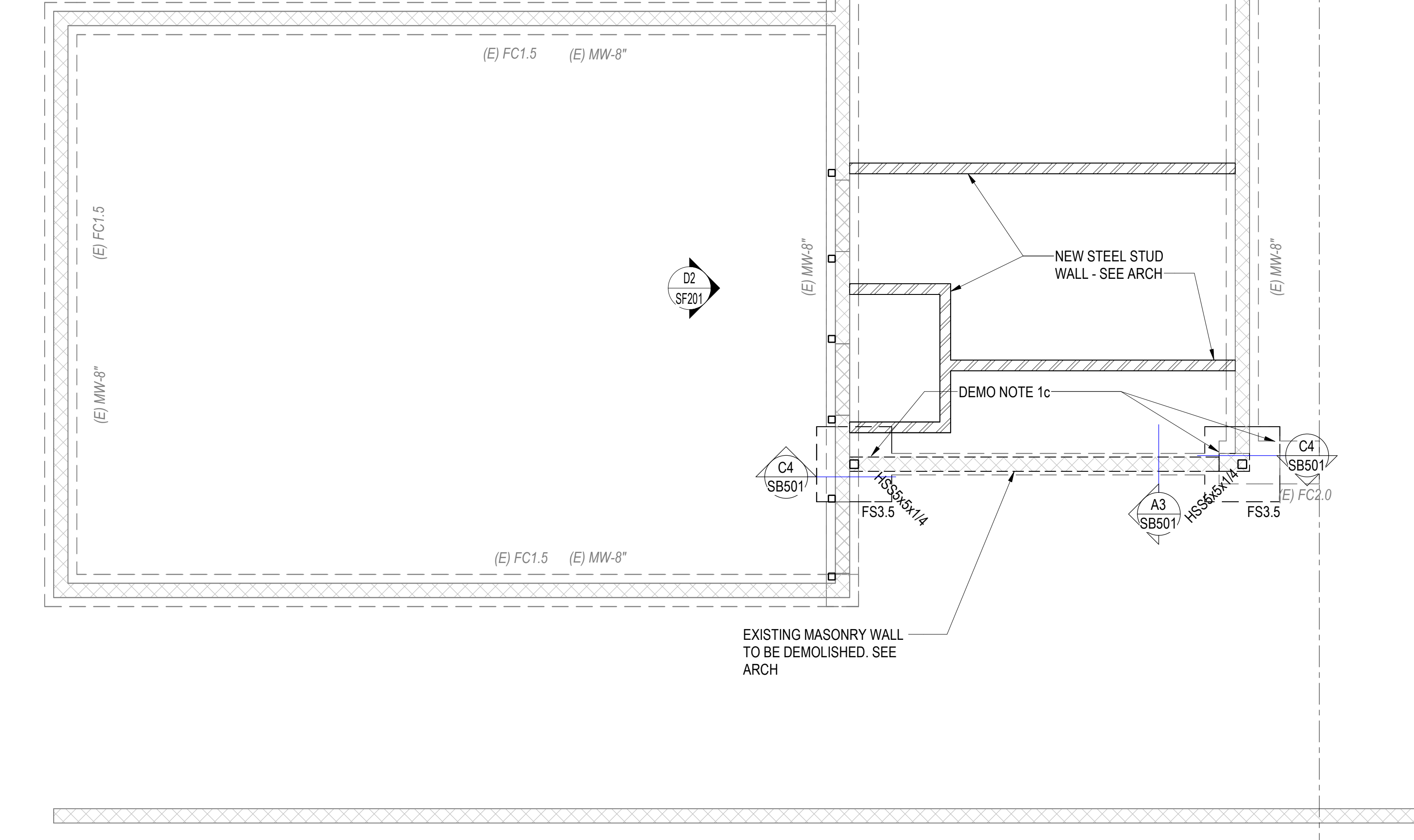
SCALE: 1/4" = 1'-0"



A3
SB102

ENLARGED FOOTING AND FOUNDATION PLAN - COUNSELING

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



- ### SLAB ON GRADE PLAN NOTES
1. ALL SLABS ON GRADE SHALL BE 4 INCHES THICK, UNLESS NOTED OTHERWISE. SEE TYPICAL CONCRETE SLAB ON GRADE PROFILE DETAIL B5/SB501 FOR SUBGRADE REQUIREMENTS.
 2. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
 3. SEE ARCHITECTURAL DRAWINGS AND FINISH SCHEDULE FOR SLAB DEPRESSIONS, SLOPES TO DRAINS AND SLAB AREAS TO RECEIVE FLOOR TILE.
 4. SEE TYPICAL CONCRETE SLAB ON GRADE DETAILS FOR CONSTRUCTION JOINTS, CONTROL JOINTS AND ADDITIONAL SLAB REINFORCING C2/SB501
 5. SUBMIT SLAB ON GRADE CONTROL JOINT PLAN FOR REVIEW.

- ### DEMOLITION NOTES
1. a) SHORE EXISTING ROOF DECK AND EXISTING STEEL BEAM 2'-0" AWAY FROM THE FACE OF THE EXISTING MASONRY WALL ALONG THE LENGTH OF EITHER SIDE OF MASONRY WALL TO BE DEMOLISHED.
@ STEEL BEAM
PDL = 4000 lbf
PLL = 2000 lbf

@ STEEL DECK
DL = 620 PLF
LL = 310 PLF

b) DEMOLISH EXISTING MASONRY WALL TO THE BOTTOM OF THE EXISTING STEEL ROOF DECK.

c) DEMOLISH EXISTING FOUNDATION PERPENDICULAR TO REMAINING MASONRY WALL AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW SPOT FOUNDATION.

2. a) INSTALL CHANNELS ON EACH SIDE OF EXISTING MASONRY WALL PER B1/SF511. ALIGN BOTTOM OF CHANNELS WITH BOTTOM OF EXISTING MASONRY LINTEL.

b) CONNECT TO EXISTING STEEL BEAMS.

c) DEMO PART OF THE EXISTING WALL WIDE ENOUGH TO INSTALL THE NEW FOUNDATION AND STEEL COLUMN AND CONNECT CHANNELS TO NEW COLUMN.

d) DEMO REMAINING PART OF THE EXISTING MASONRY WALL.

e) FIELD VERIFY WALL IS A NON-LOAD BEARING WALL PRIOR TO DEMOLISHING

- ### EXISTING BUILDING NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.
 2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.
 3. SEE DETAIL C3/SF551 FOR NEW MECHANICAL PENETRATIONS THROUGH THE EXISTING MASONRY WALL.

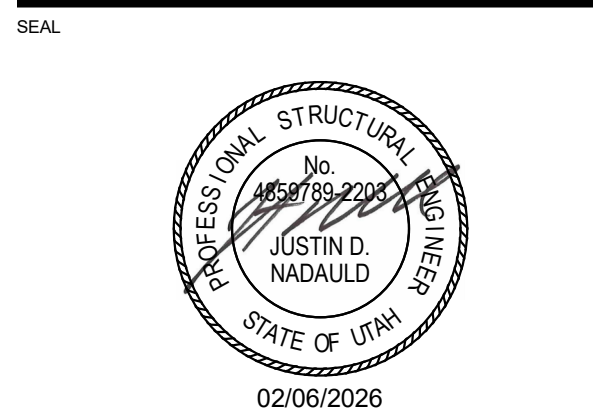
- ### FOOTING & FOUNDATION PLAN NOTES
1. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE RETAINING AND / OR SITE WALLS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
 2. PROVIDE REINFORCEMENT AT WALL ENDS, INTERSECTIONS AND OPENINGS PER TYPICAL DETAILS D2/SB601 AND C2/SB601.
 3. DOWEL ALL CONCRETE WALLS TO FOOTING PER TYPICAL DETAIL D2/SB501
 4. PROVIDE COMPACTED STRUCTURAL FILL AND STONE COLUMNS UNDER ALL CONCRETE FOOTINGS AND CONCRETE SLAB ON GRADE PER TYPICAL DETAILS A5/SB501 AND B5/SB501.
 5. SEE TYPICAL STEP DETAIL AT CONTINUOUS FOOTING FOR REINFORCING REQUIREMENTS.
 6. [Hatched pattern] INDICATES EXISTING SLOPED FLOOR TO BE LEVELED PER DETAIL D4/SB502. SEE ARCH FOR EXTENTS.

- ### STEEL STUD SHEAR WALL NOTES
1. VERIFY ALL DATUM ELEVATIONS W/ ARCHITECTURAL DRAWINGS.
 2. VERIFY ALL OPENING LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.
 3. SEE SW604 FOR SHEAR WALL END POST MEMBER SCHEDULES & DETAILS.
 4. CONCRETE FOOTINGS TO BE CENTERED ON CONCRETE WALL OR STEEL STUD SHEAR WALL, UNO.
 5. SEE A2/SF604 AND B2/SF604 FOR SHEAR WALL END DETAILS. SEE A1/SF604 FOR EMBEDDED STEEL COLUMN.
 6. SEE B1/SF604 FOR SHEAR WALL PANEL JOINT END DETAIL.

SAN JUAN SCHOOL DISTRICT ALBERT R LYMAN MIDDLE SCHOOL SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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MHTN PROJECT NO. 2023554-01

Original drawing is 30" x 42". Do not scale contents of this drawing.

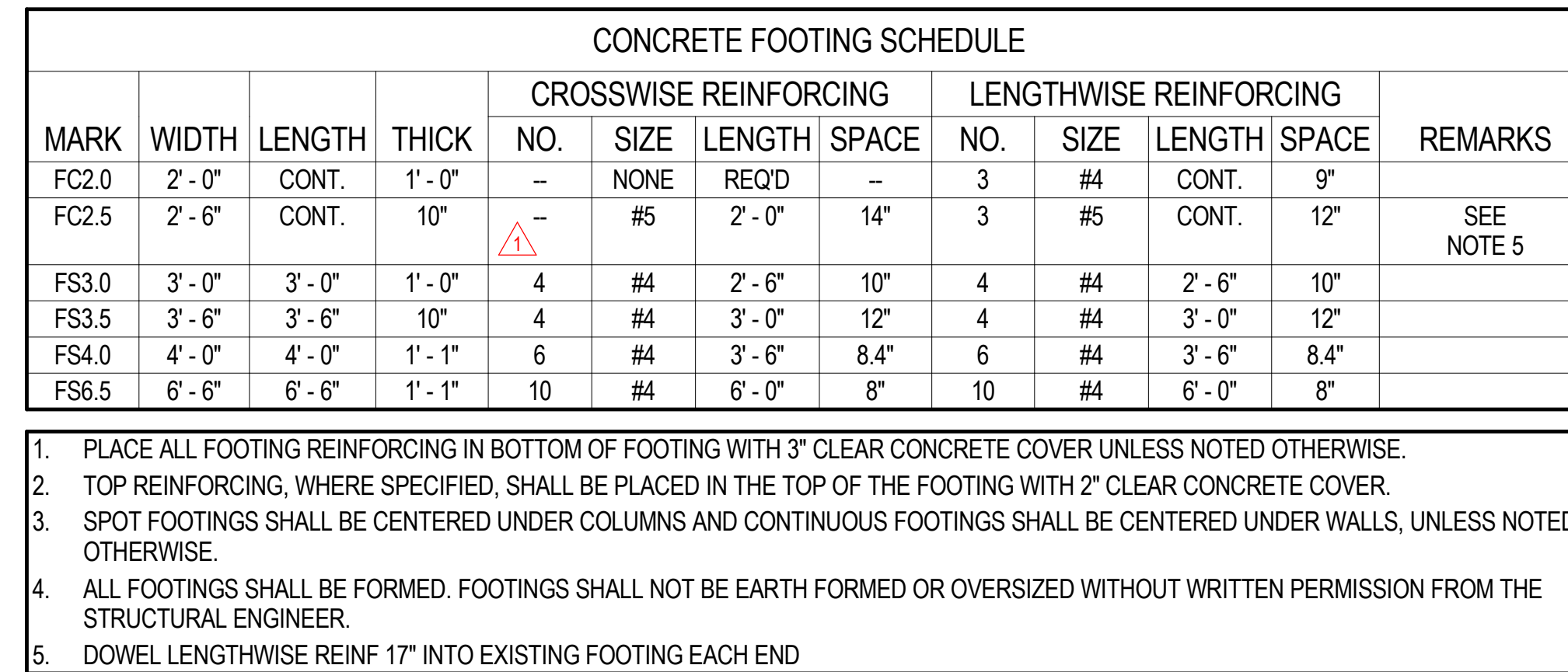
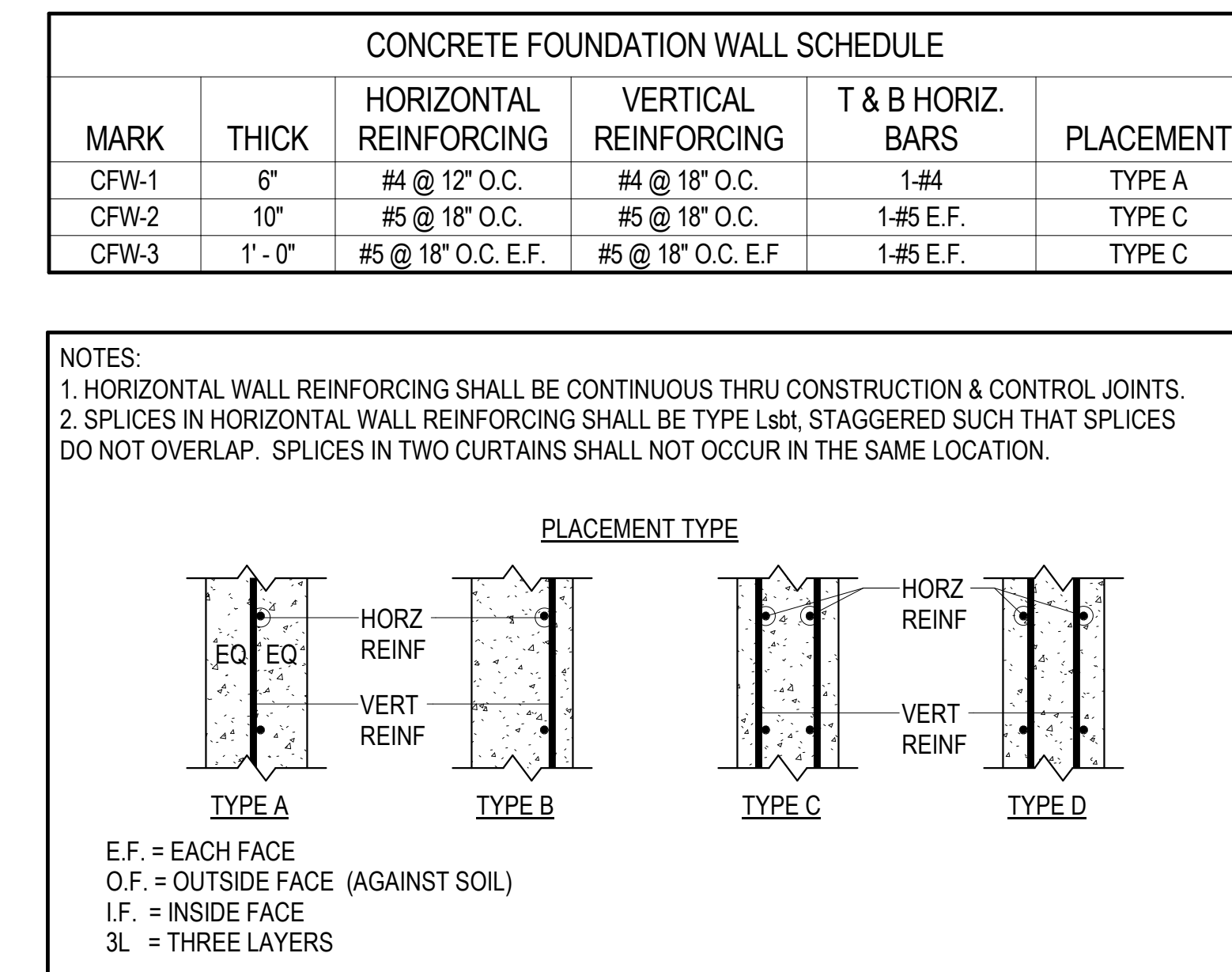
REVISIONS		
NO.	DATE	DESCRIPTION
1	02/02/2026	ADDENDUM 01
2	03/02/2026	ADDENDUM 02

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
ENLARGED FOOTING AND FOUNDATION PLANS

SHEET NUMBER

SB102



PIPE BELOW BOTTOM OF FOOTING

1'-0" MIN.

COMPACTED BACKFILL PER SPECS.

NOTE: SLEEVE I.D. AT LEAST 1 1/2" GREATER THAN PIPE O.D.

PIPE AT BOTTOM REINFORCING

1 1/2" CLR

Lsb

MATCH FOOT AT BOTTOM REIN

PIPE BELOW & CLOSE TO BOTTOM OF FOOTING

1 1/2" MAX.

1 4" MIN.

COMPACTED BACKFILL PER SPECS.

FOOTING REINF.

PIPE BETWEEN REINFORCING

2ND PIPE

2 SLEEVE DIA. MIN. CLR. BTWN SLEEVES

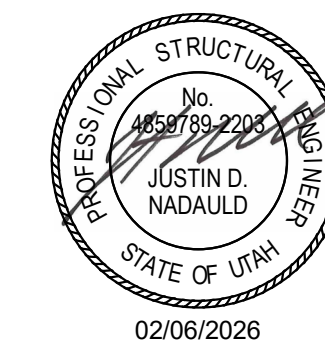
1 1/2" CLR

ADD STIRRUP EA. SIDE WHERE SLEEVE EXCEEDS 4" I.D. TY



**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES**

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SEAL



MHTN PROJECT NO. 2023554.01

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS

NO	DATE	DESCRIPTION
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NO.	DATE	DESCRIPTION
1	02/20/2026	Addendum 01

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

THE CONCRETE

SCHEDULES

SHEET NUMBER

ODC01

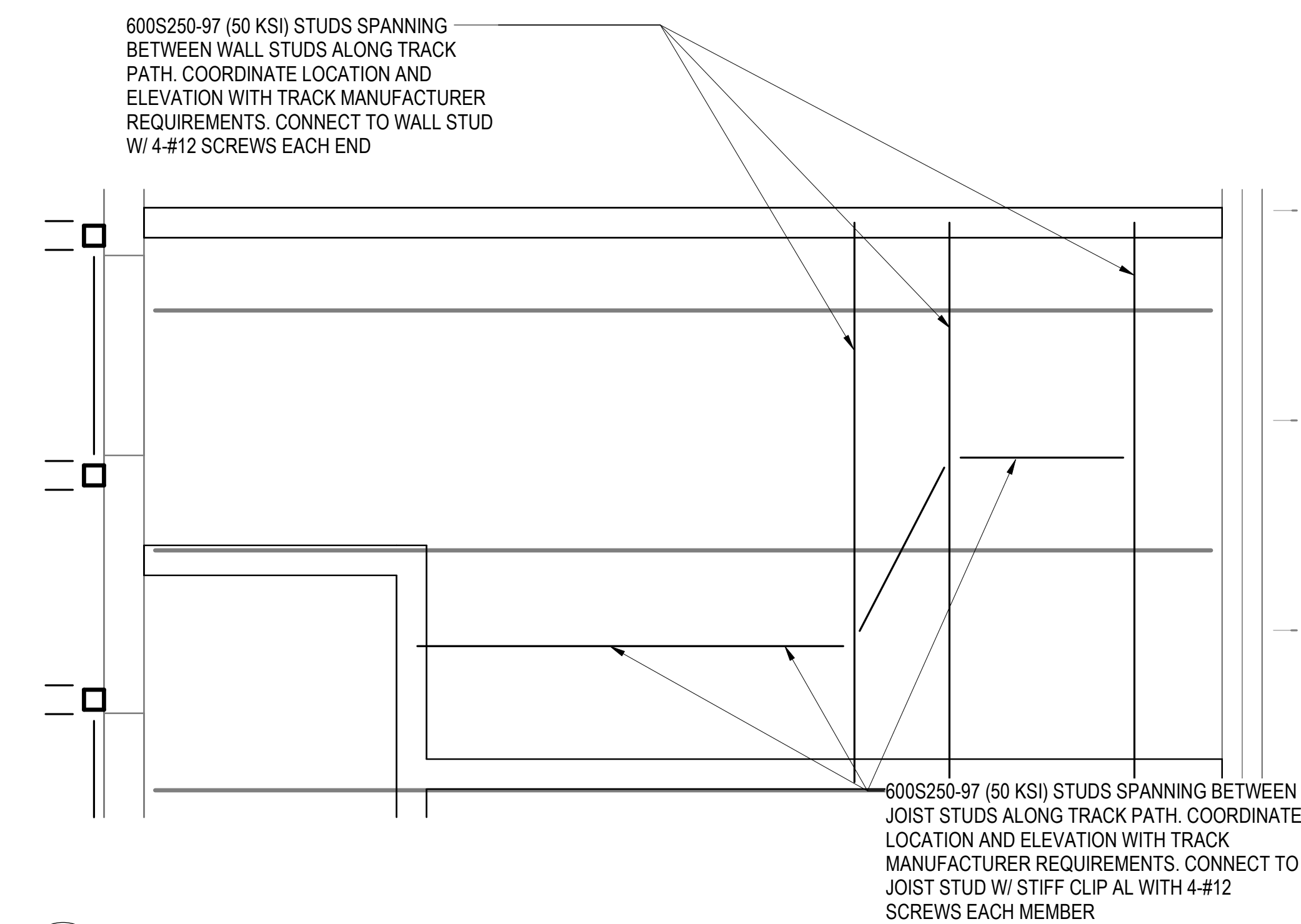
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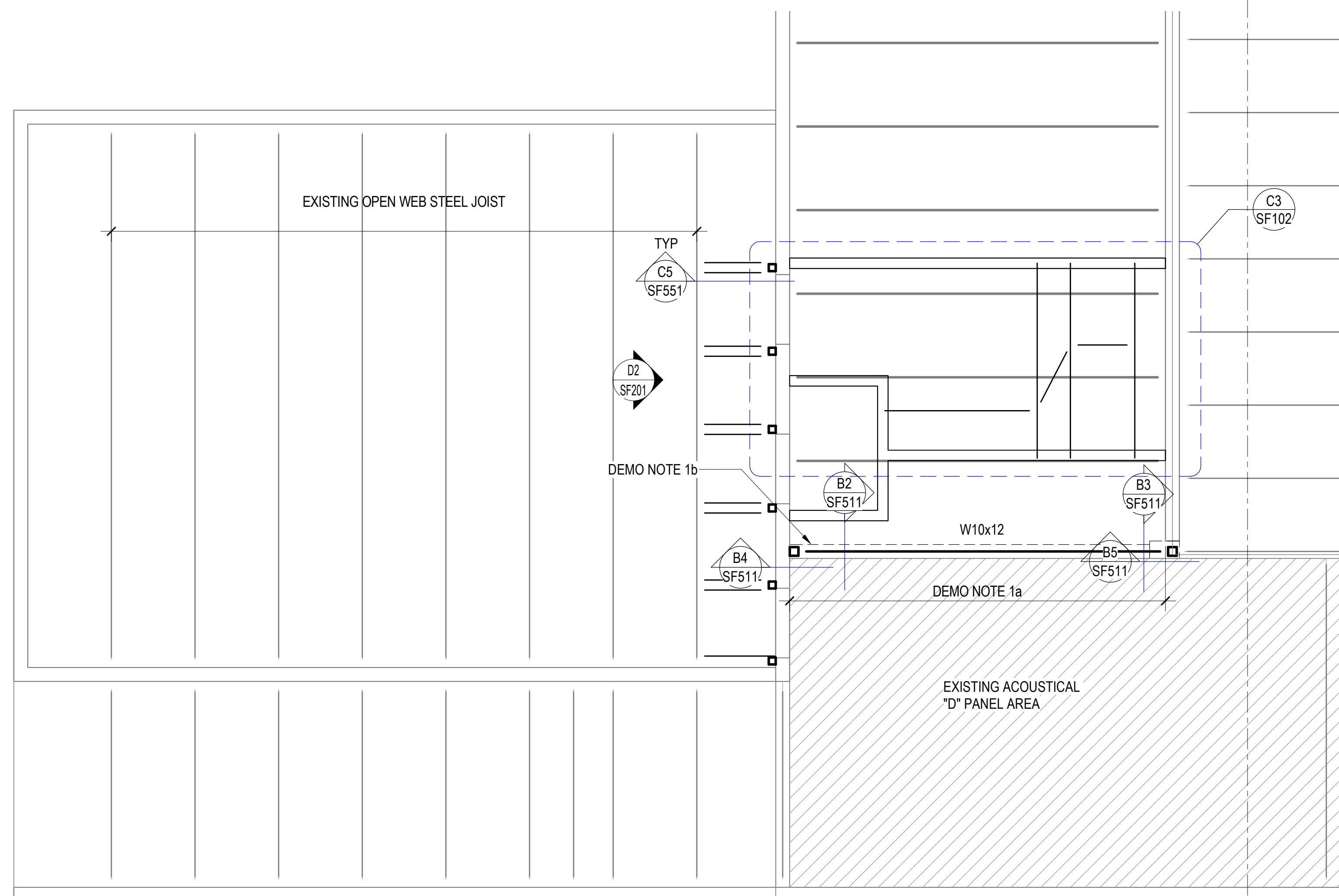
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A1
SF102
ENLARGED ROOF FRAMING PLAN - CLASSROOMS
SCALE: 1/4" = 1'-0"



C3
SF102
ENLARGED CEILING FRAMING PLAN - BATHROOM
SCALE: 1/2" = 1'-0"



A3
SF102
ENLARGED ROOF FRAMING PLAN - COUNSELING
SCALE: 1/4" = 1'-0"

DEMOLITION NOTES

1. a) SHORE EXISTING ROOF DECK AND EXISTING STEEL BEAM 2'-0" AWAY FROM THE FACE OF THE EXISTING MASONRY WALL ALONG THE LENGTH OF EITHER SIDE OF MASONRY WALL TO BE DEMOLISHED.

@ STEEL BEAM
PDL = 4000 lbf
LL = 2000 lbf

@ STEEL DECK
DL = 620 PLF
LL = 310 PLF

b) DEMOLISH EXISTING MASONRY WALL TO THE BOTTOM OF THE EXISTING STEEL ROOF DECK.

c) DEMOLISH EXISTING FOUNDATION PERPENDICULAR TO REMAINING MASONRY WALL AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW SPOT FOUNDATION.

2. a) INSTALL CHANNELS ON EACH SIDE OF EXISTING MASONRY WALL PER B4/SF511. ALIGN BOTTOM OF CHANNELS WITH BOTTOM OF EXISTING MASONRY LINTEL.

1. b) CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING. FABRICATING THE EXISTING MASONRY WALL STRUCTURE ELEMENTS AND SPANNCES SHALL BE ACCORDING TO THE CONTRACTOR'S DESIGN. DEMO IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.

d) DEMO REMAINING PART OF THE EXISTING MASONRY WALL. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING DEMO. REMAINING WALL IS A NON-LOAD BEARING WALL PRIOR TO DEMOLISHING.

3. SEE DETAIL C3/SF511 FOR NEW MECHANICAL PENETRATIONS THROUGH THE EXISTING MASONRY WALL.

NON-COMPOSITE FRAMING PLAN NOTES

1. SEE STEEL DECK SCHEDULE ON SHEET SF603 FOR DECK PROFILE AND DECK ATTACHMENT REQUIREMENTS.

2. PROVIDE FRAMING AT OPENINGS THROUGH STEEL DECK PER DETAIL D1/SF511. FOR ROUND OPENINGS LESS THAN 12 INCHES IN DIAMETER SEE DETAIL D2/SF511.

3. VERIFY SIZE, WEIGHT, LOCATION AND CONFIGURATION OF ALL ROOF TOP EQUIPMENT WITH ARCHITECT AND MECHANICAL ENGINEER. PROVIDE STEEL FRAMES FOR SUPPORT OF ROOF TOP EQUIPMENT PER DETAIL D3/SF511. COORDINATE OPENINGS WITH MECHANICAL & ELECTRICAL.

MHTN ARCHITECTS

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**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES**

525 North 100 East, Blanding, Utah 84511

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SEAL

PROFESSIONAL SEAL
JUSTIN D. NADALD
STATE OF UTAH
02/06/2026

MHTN PROJECT NO. 2023554.01

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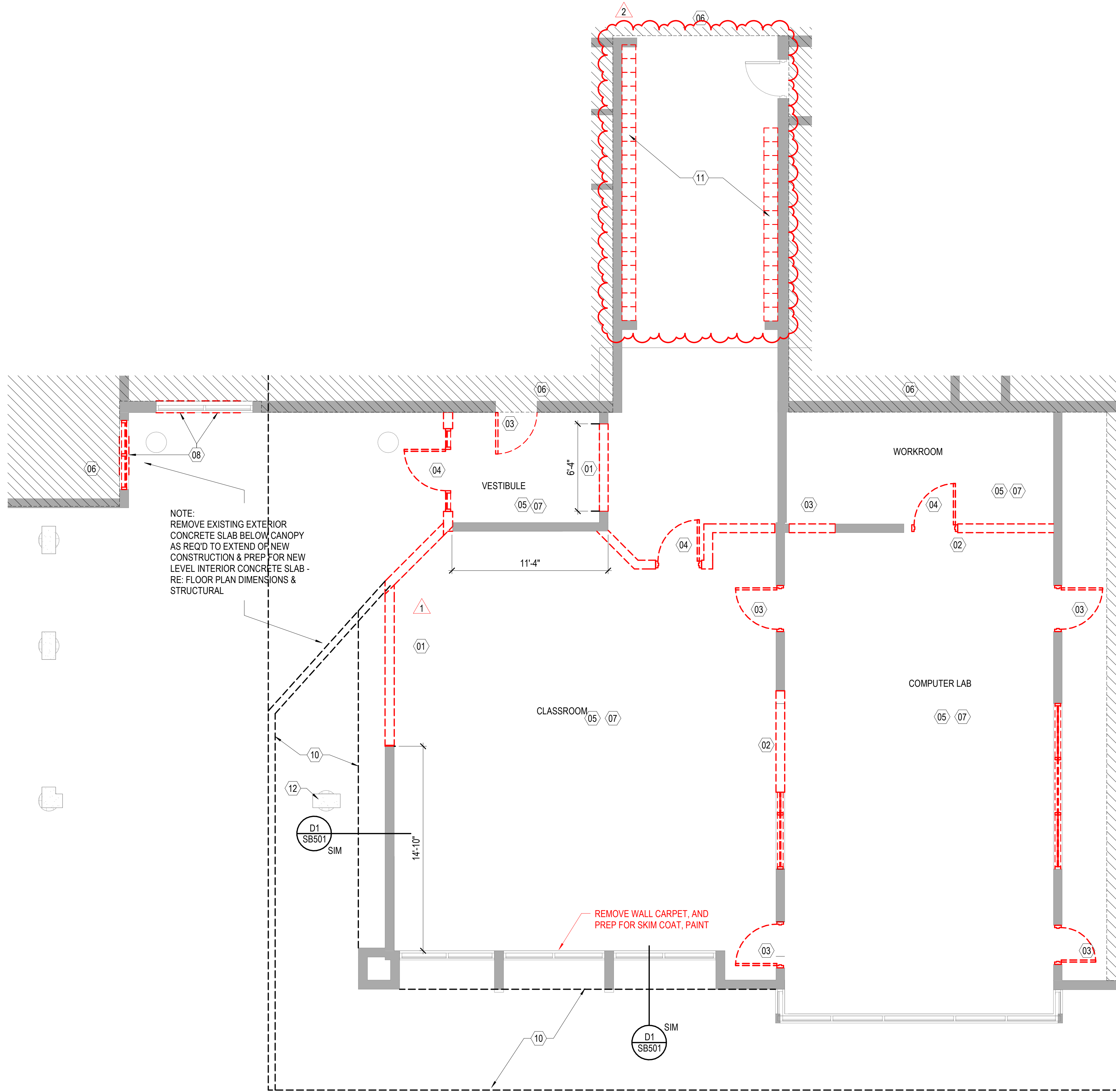
NO.	DATE	DESCRIPTION
1	03/02/2026	ADDENDUM 02

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
ENLARGED ROOF FRAMING PLANS

SHEET NUMBER

SF102



D1 PARTIAL DEMO PLAN - ADMIN
SCALE: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork, etc.

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match adjacent wall finish.

Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

LEGEND - DEMOLITION

AREA OF NO WORK

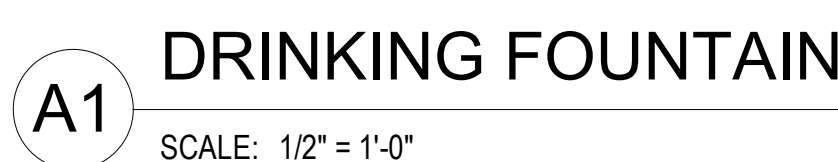
EXISTING TO REMAIN

REMOVE DOOR & FRAME
WALLS & OTHER ITEMS
TO BE DEMOLISHED

NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

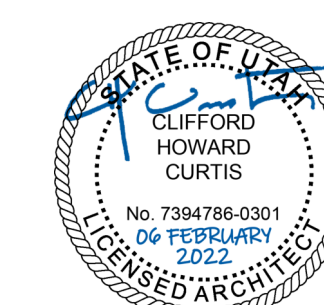
KEYNOTES - DEMOLITION1

- 01 MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE: ENLARGED FLOOR PLAN
- 02 MODIFY EXISTING WALL FOR NEW OPENING RE: ENLARGED FLOOR PLAN
- 03 DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- 04 DEMOLISH DOOR
- 05 DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 07 RECONFIGURE DUCTING - USE EXISTING HVAC
- 08 DEMO EXISTING LOUVERS BELOW WINDOWS WHERE OCCURS - F.V. - PREP OPENING FOR WALL INFILL
- 10 REMOVE BERM & POURED IN-PLACE CONCRETE MOW STRIP - PROTECT WALL & WINDOW SYSTEM - F.V. RE: CIVIL & LANDSCAPE PLANS
- 11 REMOVE EXISTING LOCKERS AND CONCRETE BASE AS NOTED - REPLACE MISSING OR DAMAGED FLOOR TILES AS REQ'D
- 12 UNPAINT LOWER PORTION OF EXIST. COLUMN & PREP FOR NEW TILES FINISH TO MATCH EXISTING - F.V.
- 13 SCARIFY EXISTING SLOPED FLOOR SLAB TO RECEIVE NEW CONCRETE FLOOR RE: STRUCTURAL
- 14 REMOVE AND SALVAGE EXISTING FLOOR HATCH. PREPARE FOR REINSTALLATION IN NEW FLOOR
- 15 REMOVE EXISTING RADIANT HEATER. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- 16 REMOVE EXISTING GRILLE & CONCRETE LANDING SLAB. PREP FOR NEW CONCRETE SLAB OVER EXISTING TUNNEL RE: STRUCTURAL
- 17 REMOVE EXISTING WINDOWS, PREP OPENINGS FOR NEW CLERESTORY WINDOW SYSTEM - INFILL EXISTING OPENING W/ LIKE MATERIALS & PAINT - F.V.
- 18 REMOVE EXISTING WALL GRILLE - INFILL EXISTING OPENING W/ LIKE MATERIAL - F.V.
- 19 REMOVE EXISTING CABINETS. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- 20 PREP ROOM FOR NEW SHIPS LADDER RE STRUCTURAL FOR ROOF FRAMING MODIFICATIONS REQ'D
- 21 REMOVE EXISTING CEILING AS REQ'D FOR MODIFICATION OF ROOF FRAMING RE STRUCTURAL - F.V.
- 22 REMOVE EXISTING SOFFIT & FASCIA RE STRUCTURAL - F.V.
- 23 REMOVE EXISTING RCP AS REQUIRED FOR NEW CONSTRUCTION - F.V.



1 Abuse-Resistant Gypsum Wall Board: Install abuse-resistant gypsum wall board up to 4'-0" A.F.F. where exposed in corridors, mechanical and custodial spaces and at exposed walls in SPED Rooms & adjoining rooms within SPED.

- 01 ALL NEW LIGHTING, DIFFUSERS, DOORS, FINISHES, FIXTURES & CASEWORK IN AREAS OF NEW CONSTRUCTION. **FOR FINISHING**
- 02 NEW STOREFRONT SYSTEM W/ INTRUSION GLAZING THAT MEETS ASTM F3561-22 LEVEL 3 STANDARD, APPLIED TO GLAZING TO MULLION CLOSEST TO 7' AFF.
- 03 INFILL OPENING W/ SIM MATERIAL, FINISH SMOOTH & PAINT - F.V.
- 05 RECONFIGURE DUCTING - USE EXISTING HVAC
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 08 INFILL GRILLE OPENING BELOW WINDOW W/ SIM MATERIAL, FINISH SMOOTH & PAINT - F.V.
- 09 PROVIDE NEW DOOR & HARDWARE IN EXISTING FRAME
- 10 INFILL NEW CONCRETE FLOOR TO EL: 100 HT. - BLOCK OUT SLAB TO REINSTALL EXISTING TUNNEL HATCH IN NEW SLAB - F.V. RE: STRUCTURAL
- 11 PREP LOWER PORTION OF EXIST. COLUMN & RESURFACE FULL COLUMN TO MATCH EXISTING - F.V.
- 12 4FT TALL TACK BOARD - F.V. DISTANCE BETWEEN DOOR JAMBS OR TO WALL END
- 13 DISPLAY & (2) 5W x 4H WHITEBOARDS
- 14 DISPLAY & (2) 10W x 4H WHITEBOARDS
- 15 OVERHEAD TRACK FOR ACCESSIBLE TROLLEY SYSTEM RE: STRUCTURAL FOR OVERHEAD SUPPORT FRAMING
- 16 REPAIR WALL FROM CARPET REMOVAL & SKIMCOAT NEW MUD FINISH OVER WALL - F.V.



DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork, etc.

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match adjacent wall finish.

Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

LEGEND - DEMOLITION

AREA OF NO WORK

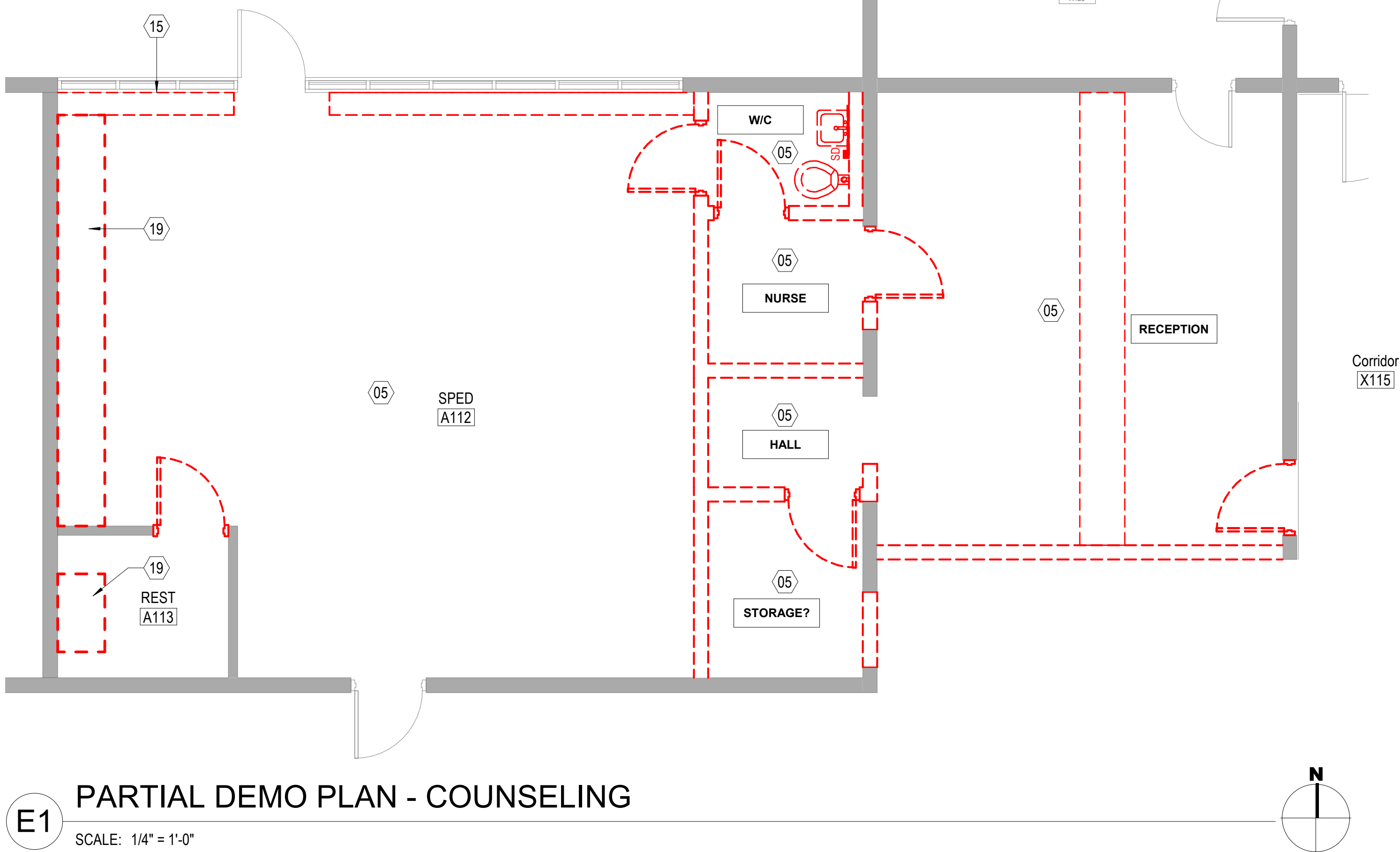
EXISTING TO REMAIN

REMOVE DOOR & FRAME
WALLS & OTHER ITEMS
TO BE DEMOLISHED

NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

KEYNOTES - DEMOLITION1

- 01 MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE: ENLARGED FLOOR PLAN
- 02 MODIFY EXISTING WALL FOR NEW OPENING RE: ENLARGED FLOOR PLAN
- 03 DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- 04 DEMOLISH DOOR
- 05 DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 07 RECONFIGURE DUCTING - USE EXISTING HVAC
- 08 DEMO EXISTING LOUVERS BELOW WINDOWS WHERE OCCURS - F.V. - PREP OPENING FOR WALL INFILL
- 10 REMOVE BERM & POURED IN-PLACE CONCRETE MOW STRIP - PROTECT WALL & WINDOW SYSTEM - F.V. RE: CIVIL & LANDSCAPE PLANS
- 11 REMOVE EXISTING LOCKERS AND CONCRETE BASE AS NOTED - REPLACE MISSING OR DAMAGED FLOOR TILES AS REQ'D
- 12 UNEARTH LOWER PORTION OF EXIST. COLUMN & PREP FOR NEW EIFS FINISH TO MATCH EXISTING - F.V.
- 13 SCARIFY EXISTING SLOPED FLOOR SLAB TO RECEIVE NEW CONCRETE FLOOR RE: STRUCTURAL
- 14 REMOVE AND SALVAGE EXISTING FLOOR HATCH. PREPARE FOR REINSTALLATION IN NEW FLOOR
- 15 REMOVE EXISTING RADIANT HEATER. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- 16 REMOVE EXISTING GRILLE & CONCRETE LANDING SLAB, PREP FOR NEW CONCRETE SLAB OVER EXISTING TUNNEL RE: STRUCTURAL
- 17 REMOVE EXISTING WINDOWS, PREP OPENINGS FOR NEW CLERESTORY WINDOW SYSTEM - INFILL EXISTING OPENING W/ LIKE MATERIALS & PAINT - F.V.
- 18 REMOVE EXISTING WALL GRILLE - INFILL EXISTING OPENING W/ LIKE MATERIAL - F.V.
- 19 REMOVE EXISTING CABINETS. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- 20 PREP ROOM FOR NEW SHIPS LADDER RE STRUCTURAL FOR ROOF FRAMING MODIFICATIONS REQ'D
- 21 REMOVE EXISTING CEILING AS REQ'D FOR MODIFICATION OF ROOF FRAMING RE STRUCTURAL - F.V.
- 22 REMOVE EXISTING SOFFIT & FASCIA RE STRUCTURAL - F.V.
- 23 REMOVE EXISTING RCP AS REQUIRED FOR NEW CONSTRUCTION - F.V.



FLOOR PLAN GENERAL NOTES

References to sheets below are provided to aid in navigating the drawings.

RE: G200 & G201 for Fixture Mounting Heights.

RE: G300 for Floor, Roof and Exterior & Interior Wall Types.

RE: A300 for sections.

RE: A600 for the Door Schedule.

RE: A620 drawings for Window Types.

RE: Structural for concrete scoring, except where decorative scoring is shown.

Interior Wall Height: All walls are continuous from floor to roof or floor deck above, UNO.

Rated Construction: Provide as shown on the plans, the Life Safety Plans and elsewhere in the documents. Seal penetrations with systems applicable to the application and that have UL or other testing agency certifications.

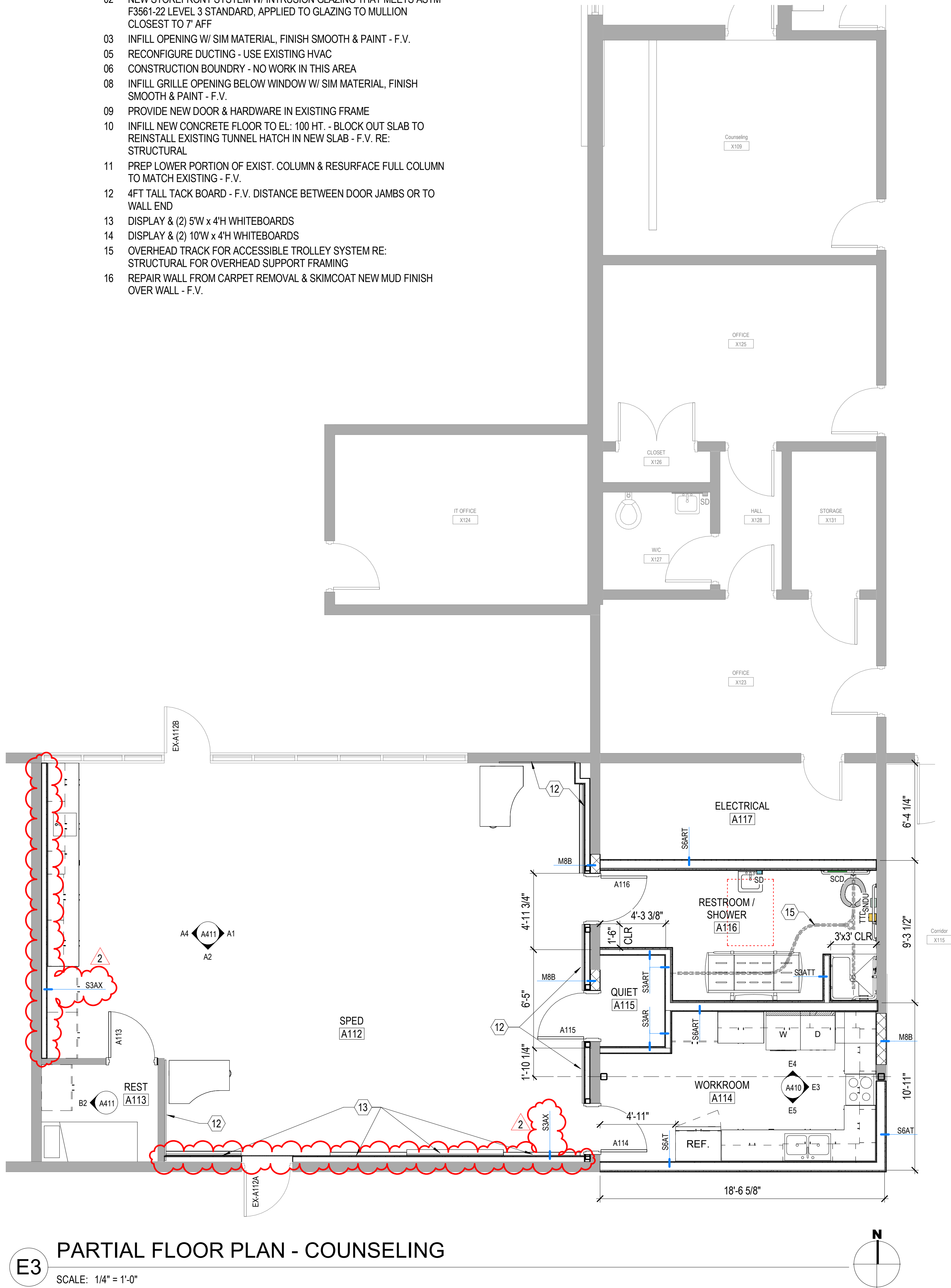
Keynotes: Not all keynotes apply to this sheet.

Corner Guards: Stainless steel corner guards to be installed at all outside corners - Typical.

Abuse-Resistant Gypsum Wall Board: Install abuse-resistant gypsum wall board up to 4'-0" A.F.F where exposed in corridors, mechanical and custodial spaces and at exposed walls in SPED Rooms & adjoining rooms within SPED.

KEYNOTES - ENLARGED PLANS1

- 01 ALL NEW LIGHTING, DIFFUSERS, DOORS, FINISHES, FIXTURES & CASEWORK IN AREAS OF NEW CONSTRUCTION - FURNITURE - NIC
- 02 NEW STOREFRONT SYSTEM W/ INTRUSION GLAZING THAT MEETS ASTM F3561-22 LEVEL 3 STANDARD, APPLIED TO GLAZING TO MULLION CLOSEST TO 7' AFF
- 03 INFILL OPENING W/ SIM MATERIAL, FINISH SMOOTH & PAINT - F.V.
- 05 RECONFIGURE DUCTING - USE EXISTING HVAC
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 08 INFILL GRILLE OPENING BELOW WINDOW W/ SIM MATERIAL, FINISH SMOOTH & PAINT - F.V.
- 09 PROVIDE NEW DOOR & HARDWARE IN EXISTING FRAME
- 10 INFILL NEW CONCRETE FLOOR TO EL. 100 HT. - BLOCK OUT SLAB TO REINSTALL EXISTING TUNNEL HATCH IN NEW SLAB - F.V. RE: STRUCTURAL
- 11 PREP LOWER PORTION OF EXIST. COLUMN & RESURFACE FULL COLUMN TO MATCH EXISTING - F.V.
- 12 4FT TALL TACK BOARD - F.V. DISTANCE BETWEEN DOOR JAMBS OR TO WALL END
- 13 DISPLAY & (2) 5W x 4H WHITEBOARDS
- 14 DISPLAY & (2) 10W x 4H WHITEBOARDS
- 15 OVERHEAD TRACK FOR ACCESSIBLE TROLLEY SYSTEM RE: STRUCTURAL FOR OVERHEAD SUPPORT FRAMING
- 16 REPAIR WALL FROM CARPET REMOVAL & SKIMCOAT NEW MUD FINISH OVER WALL - F.V.



LEGEND - FLOOR PLAN

FIRE EXTINGUISHER + CABINET
SURFACE MOUNTED

FIRE EXTINGUISHER + CABINET
SEMI-RECESSED

FIRE EXTINGUISHER

AUTOMATED EXTERNAL
DEFIBRILLATOR

CORNER GUARD

WALL MOUNTED TOILET
RE: PLUMBING

FLOOR MOUNTED TOILET
RE: PLUMBING

URINAL
RE: PLUMBING

WALL HUNG LAVATORY
RE: PLUMBING

COUNTER MOUNTED SINK
RE: PLUMBING

ELECTRICAL WATER COOLER
RE: PLUMBING

MOP SINK
RE: PLUMBING

LEGEND - SECURITY

VIDEO INTERCOM

CARD READER W/ REMOTE BUTTON
DOOR RELEASE

REMOTE BUTTON DOOR RELEASE

CARD READER

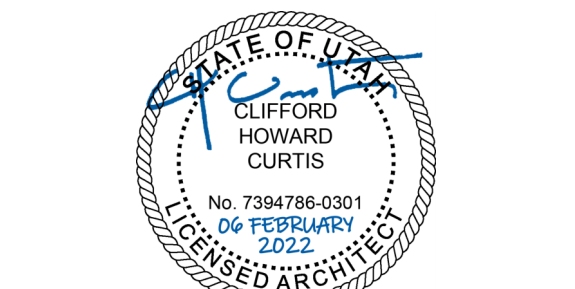
ALT-02
LAMINATED SECURITY FILM GLAZING,
REFER TO SPECIFICATION

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND
IN THE QUANTITIES SHOWN ON THE PLAN.

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MHTN PROJECT NO: 2023554.01

Original drawing is 36 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE.

NO. DATE DESCRIPTION
1 02/02/2026 Addendum #1
2 03/03/2026 Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
COUNSELING
PARTIAL FLOOR &
DEMOLITION
PLANS

SHEET NUMBER
A102

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork, etc.

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match adjacent wall finish.

Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

LEGEND - DEMOLITION

- AREA OF NO WORK
- EXISTING TO REMAIN
- REMOVE DOOR & FRAME
- WALLS & OTHER ITEMS TO BE DEMOLISHED

NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

A3 PLAN DETAIL

SCALE: 1" = 1'-0"

A4 PLAN DETAIL

SCALE: 1" = 1'-0"

KEYNOTES - DEMOLITION

- MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE: ENLARGED FLOOR PLAN
- MODIFY EXISTING WALL FOR NEW OPENING RE: ENLARGED FLOOR PLAN
- DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- DEMOLISH DOOR
- DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- CONSTRUCTION BOUNDRY - NO WORK IN THIS AREA
- RECONFIGURE DUCTING - USE EXISTING HVAC
- DEMO EXISTING LOUVERS BELOW WINDOWS WHERE OCCURS - F.V. - PREP OPENING FOR WALL INFILL
- REMOVE BERM & POURED IN-PLACE CONCRETE MOW STRIP - PROTECT WALL & WINDOW SYSTEM - F.V. RE: CIVIL & LANDSCAPE PLANS
- REMOVE EXISTING LOCKERS AND CONCRETE BASE AS NOTED - REPLACE MISSING OR DAMAGED FLOOR TILES AS REQ'D
- UNEARTH LOWER PORTION OF EXIST. COLUMN & PREP FOR NEW EIFS FINISH TO MATCH EXISTING - F.V.
- SCARIFY EXISTING SLOPED FLOOR SLAB TO RECEIVE NEW CONCRETE FLOOR RE: STRUCTURAL
- REMOVE AND SALVAGE EXISTING FLOOR HATCH. PREPARE FOR REINSTALLATION IN NEW FLOOR
- REMOVE EXISTING RADIANT HEATER. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- REMOVE EXISTING GRILLE & CONCRETE LANDING SLAB, PREP FOR NEW CONCRETE SLAB OVER EXISTING TUNNEL RE: STRUCTURAL
- REMOVE EXISTING WINDOWS, PREP OPENINGS FOR NEW CLERESTORY WINDOW SYSTEM - INFILL EXISTING OPENING W/ LIKE MATERIALS & PAINT - F.V.
- REMOVE EXISTING WALL GRILLE - INFILL EXISTING OPENING W/ LIKE MATERIAL - F.V.
- REMOVE EXISTING CABINETS. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- PREP ROOM FOR NEW SHIPS LADDER RE STRUCTURAL FOR ROOF FRAMING MODIFICATIONS REQ'D
- REMOVE EXISTING CEILING AS REQ'D FOR MODIFICATION OF ROOF FRAMING RE STRUCTURAL - F.V.
- REMOVE EXISTING SOFFIT & FASCIA RE STRUCTURAL - F.V.
- REMOVE EXISTING RCP AS REQUIRED FOR NEW CONSTRUCTION - F.V.

E1 PARTIAL DEMO PLAN - CLASSROOMS - BID ALT. 1

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

0 4'-0" 8'-0" 16'-0"

E3 PARTIAL FLOOR PLAN - CLASSROOMS - BID ALT. 1

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

0 2'-0" 4'-0" 8'-0"

LEGEND - FLOOR PLAN

- FIRE EXTINGUISHER + CABINET SURFACE MOUNTED
- FIRE EXTINGUISHER + CABINET SEMI-RECESSED
- FIRE EXTINGUISHER
- AUTOMATED EXTERNAL DEFIBRILLATOR
- CORNER GUARD
- WALL MOUNTED TOILET RE: PLUMBING
- FLOOR MOUNTED TOILET RE: PLUMBING
- URINAL RE: PLUMBING
- WALL HUNG LAVATORY RE: PLUMBING
- COUNTER MOUNTED SINK RE: PLUMBING
- ELECTRICAL WATER COOLER RE: PLUMBING
- MOP SINK RE: PLUMBING

NOTE: PROVIDE ITEMS INDICATED IN THE LEGEND IN THE QUANTITIES SHOWN ON THE PLAN.

LEGEND - SECURITY

- VIDEO INTERCOM
- CARD READER W/ REMOTE BUTTON DOOR RELEASE
- REMOTE BUTTON DOOR RELEASE

- CARD READER
- ALT-02 LAMINATED SECURITY FILM GLAZING, REFER TO SPECIFICATION

FLOOR PLAN GENERAL NOTES

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RE: A300 for sections.

RE: A600 for the Door Schedule.

RE: A620 drawings for Window Types.

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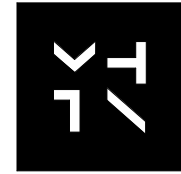
Keynotes: Not all keynotes apply to this sheet.

Corner Guards: Stainless steel corner guards to be installed at all outside corners - Typical.

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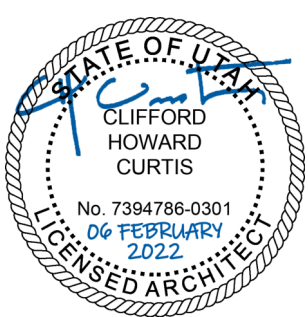


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MHTN PROJECT NO: 2023554.01

Original drawing is 36" x 42". Do not scale contents of this drawing.

REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	02/20/2026	ADDENDUM #1
2	03/03/2026	ADDENDUM #2

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
CLASSROOM
FLOOR PLAN - BID
ALT 1

SHEET NUMBER

A103

DATE
OCTOBER 10, 2026

DRAWN BY

REVISIONS

UTAH

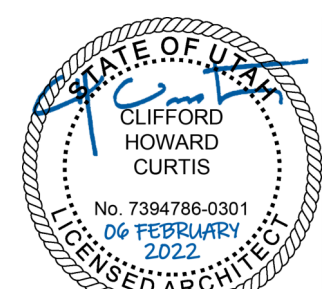
Lyman Middle School

BLANDING, UTAH

SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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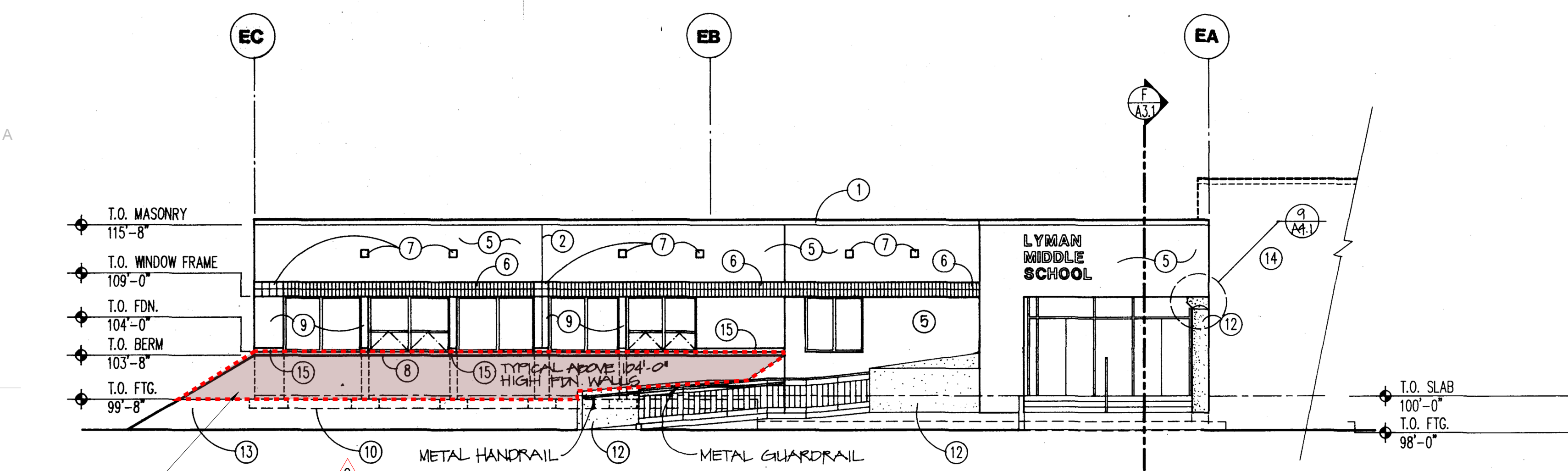
NO.	DATE	DESCRIPTION
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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

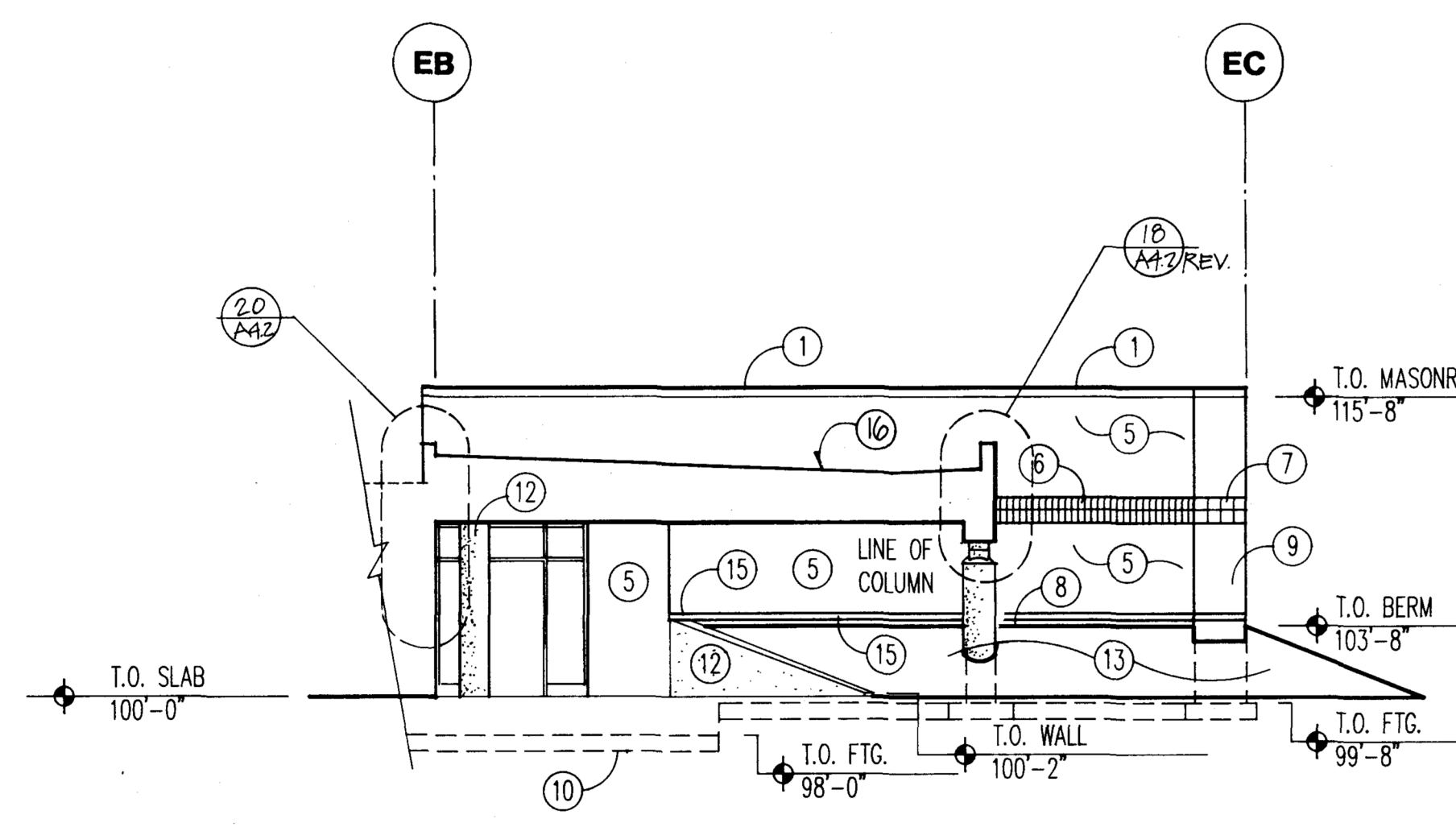
EXISTING
REFERENCE
ELEVATIONS

SHEET NUMBER

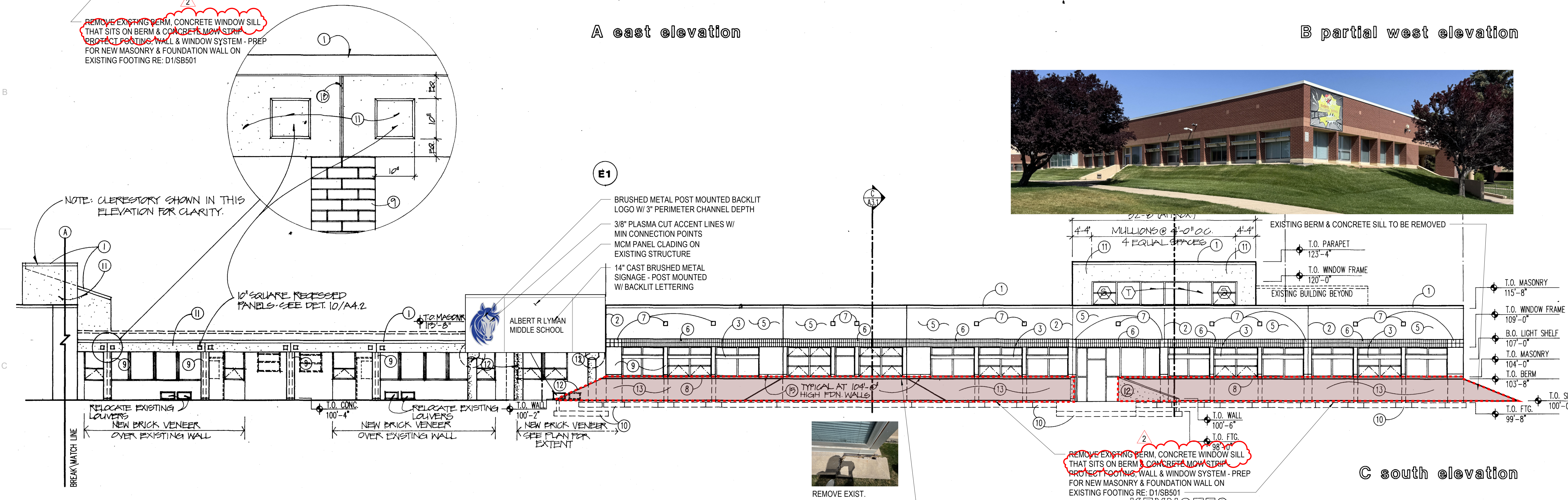
A201



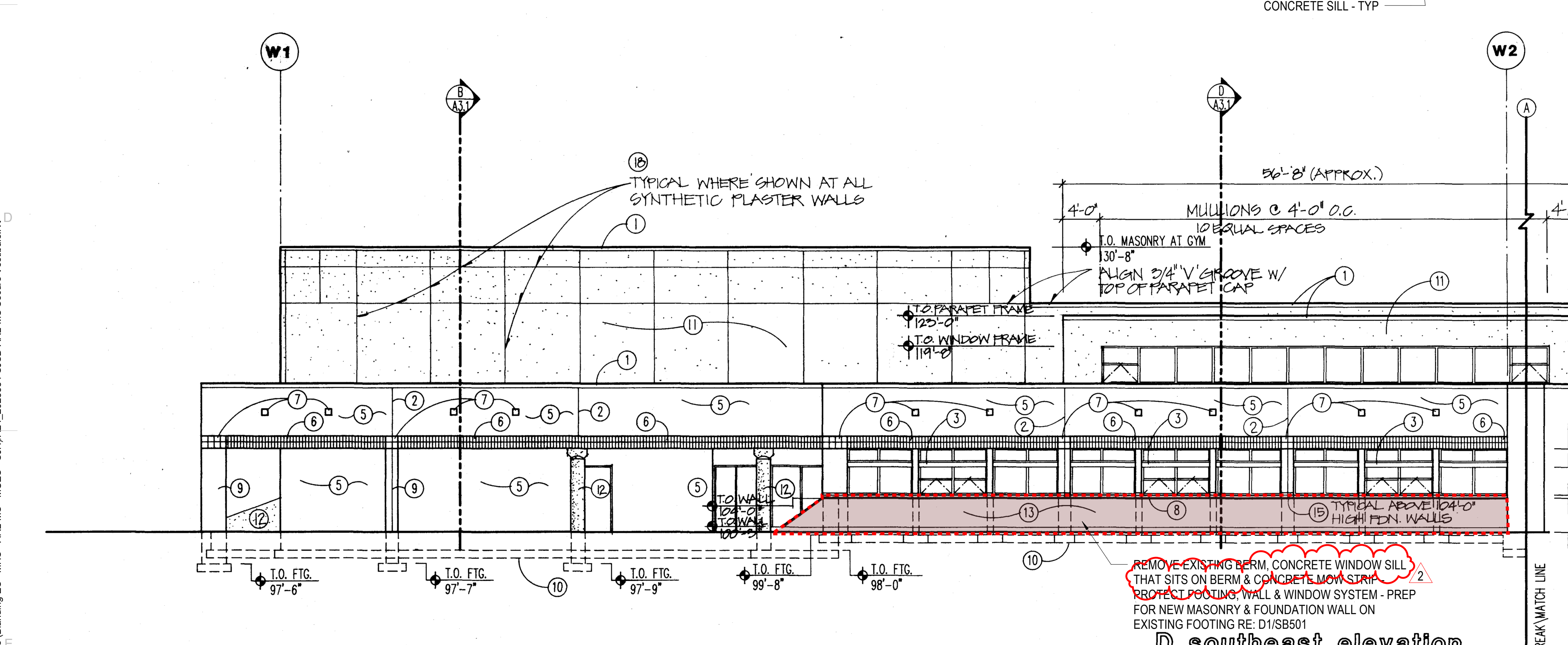
A east elevation



B partial west elevation



C south elevation



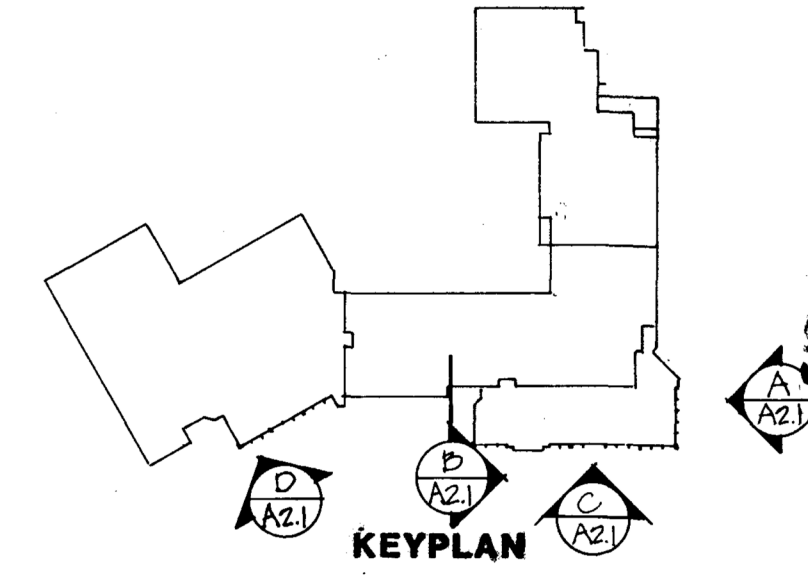
D southeast elevation

- KEYNOTES
- 1 METAL CAP FLASHING
 - 2 COLD JOINT
 - 3 LIGHT SHELF, SEE DETAILS 26/A.1, 26a/A.1, 26b/A.1
 - 4 METAL CANOPY (NOT USED)
 - 5 BRICK VENEER-FIELD (TO MATCH EXISTING)
 - 6 BRICK VENEER-ACCENT
 - 7 BRICK VENEER-ACCENT (7' 5/8" X 7' 5/8" X 3' 5/8")
 - 8 GRADE AT BUILDING
 - 9 MASONRY COLUMN
 - 10 FOOTING AND FOUNDATION WALL
 - 11 SYNTHETIC PLASTER SYSTEM
 - 12 SYNTHETIC PLASTER FINISH
 - 13 EARTH BERM
 - 14 EXISTING BUILDING
 - 15 ROWLOCK COURSEING
 - 16 LINE OF CANOPY
 - 17 FLASHING TO MATCH PARAPET CAP
 - 18 3/4" V GROOVE



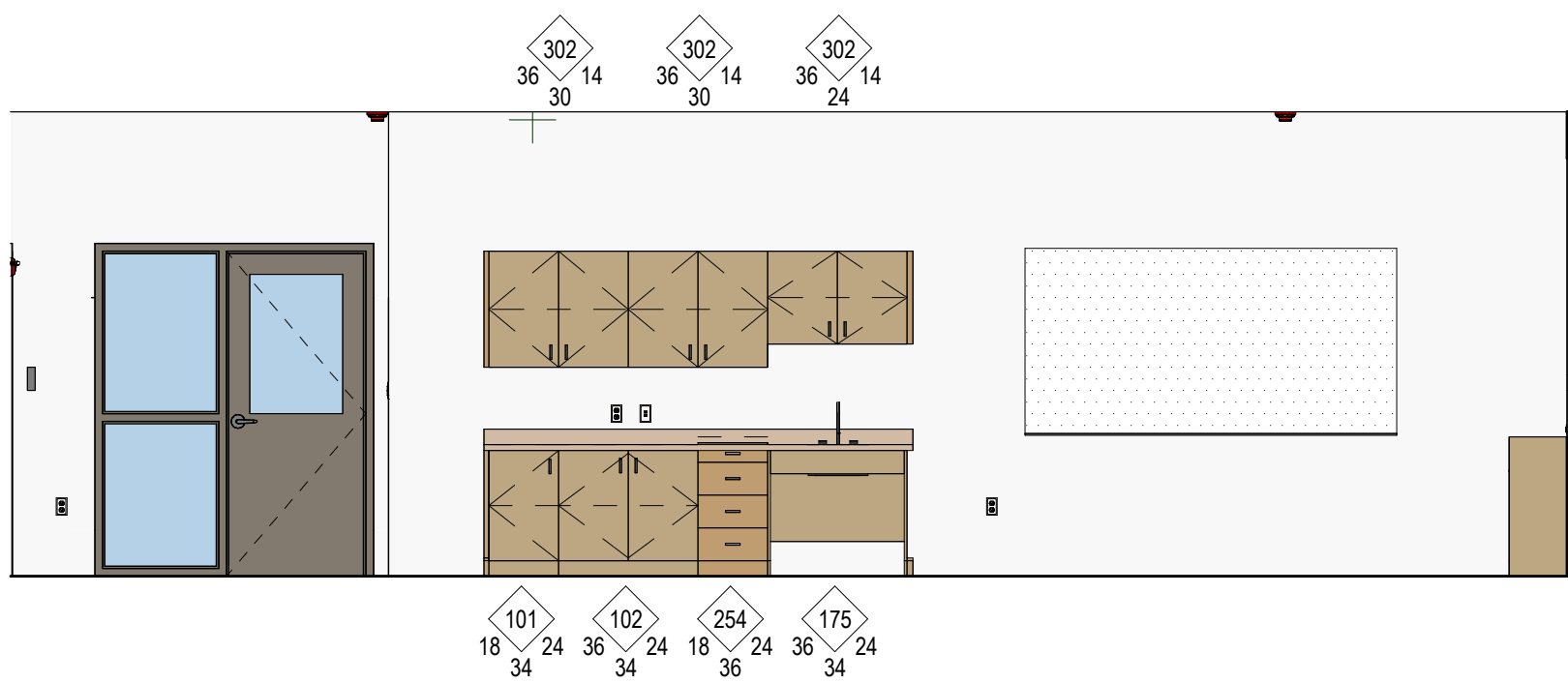
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EXTERIOR ELEVATIONS
SCS1094

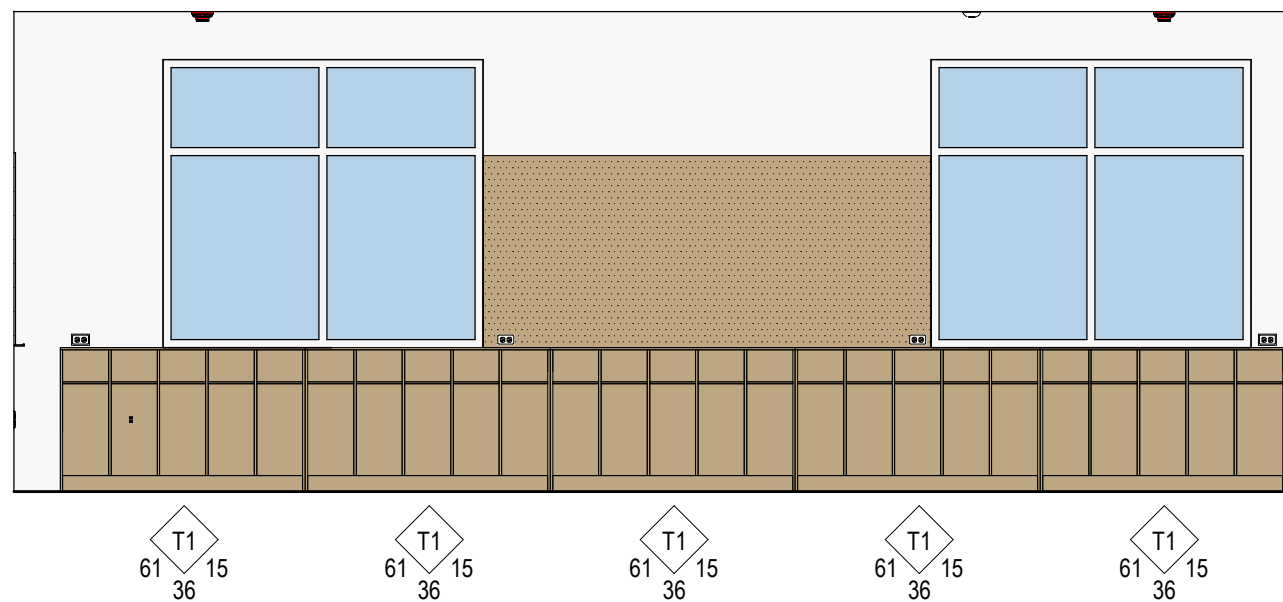


A2.1

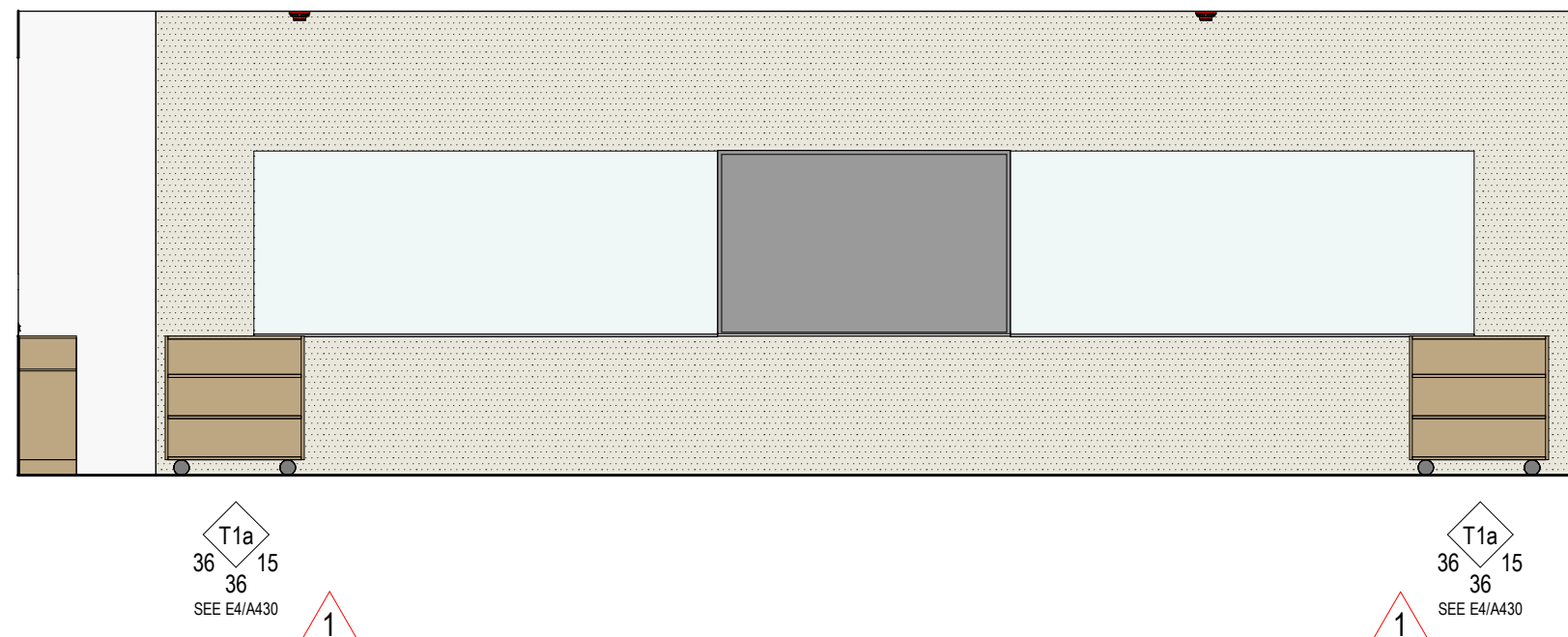
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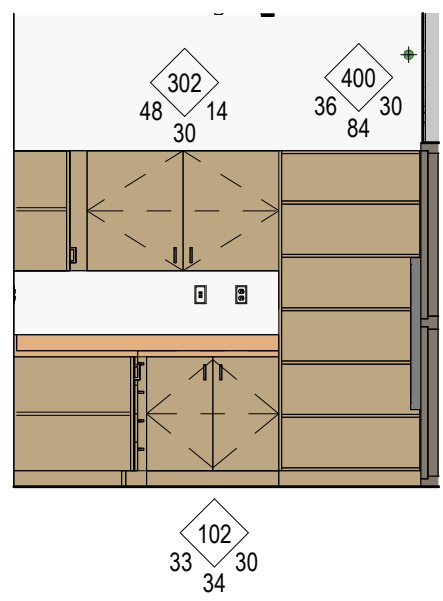
A1 CLASSROOM A121 - E
SCALE: 1/4" = 1'-0"



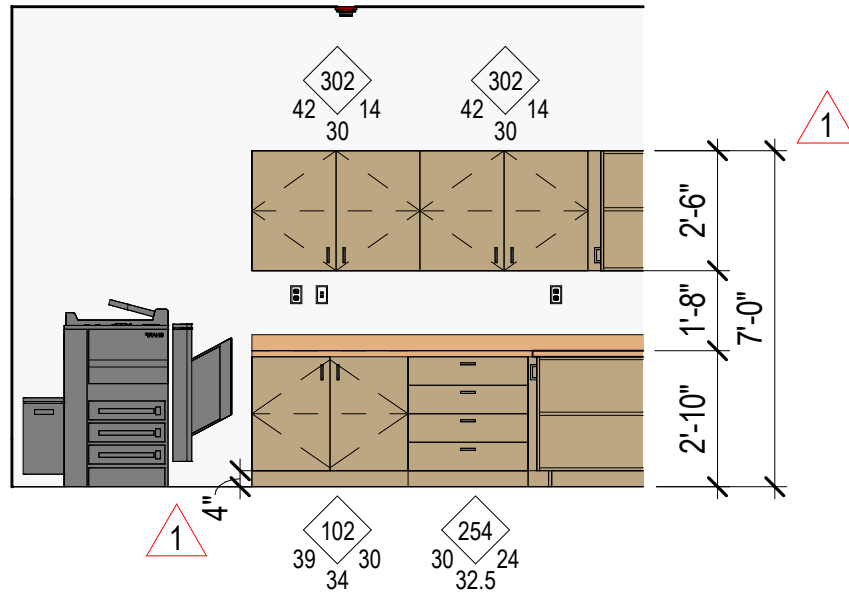
A2 CLASSROOM A121 - S
SCALE: 1/4" = 1'-0"



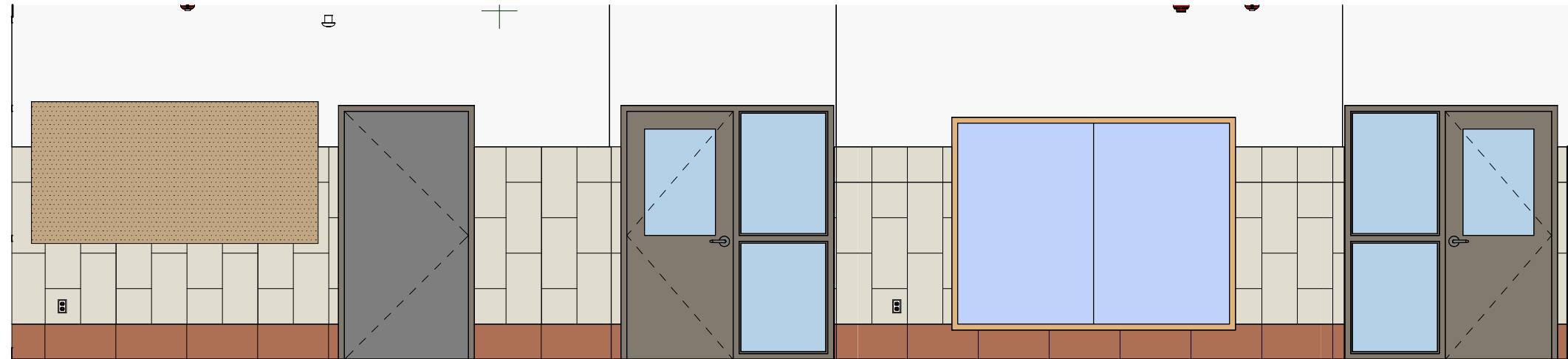
A4 CLASSROOM A121 - W
SCALE: 1/4" = 1'-0"



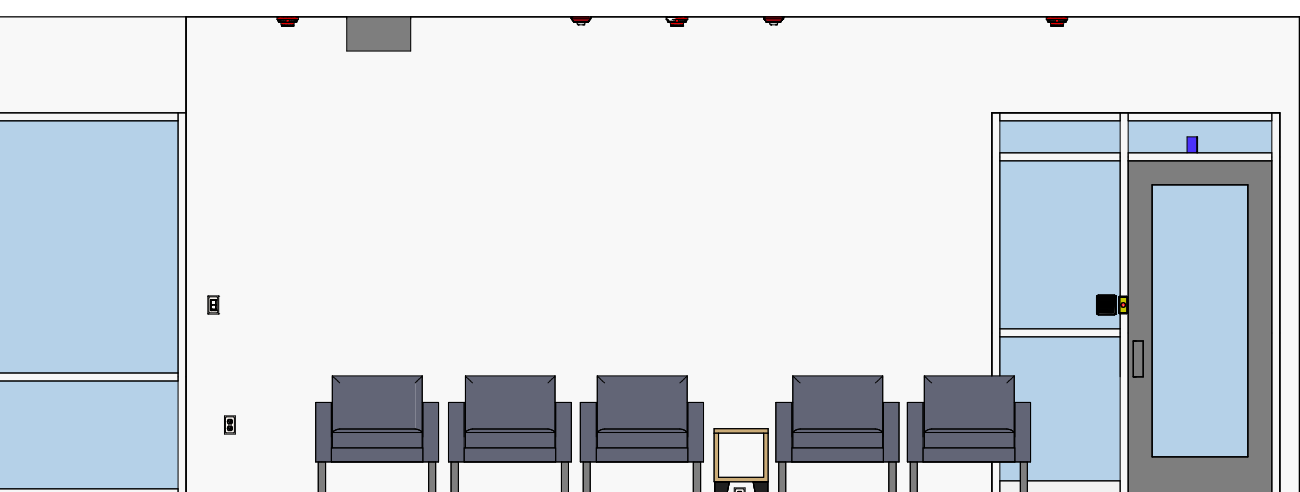
B1 SATELLITE WORKROOM - N
SCALE: 1/4" = 1'-0"



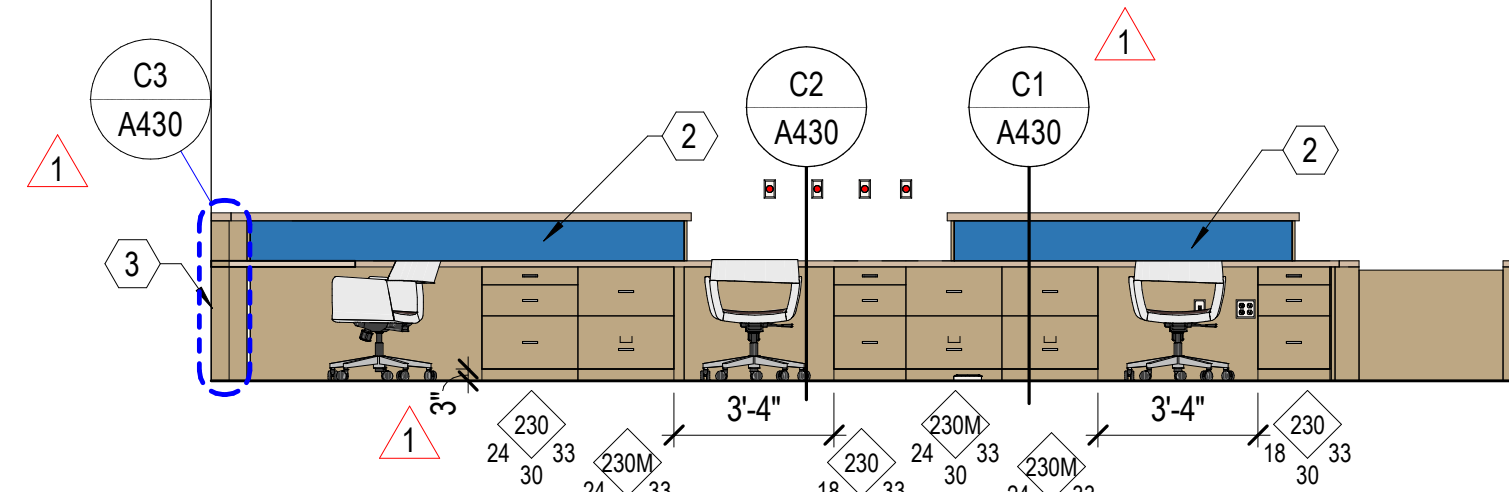
B2 SATELLITE WORKROOM - W
SCALE: 1/4" = 1'-0"



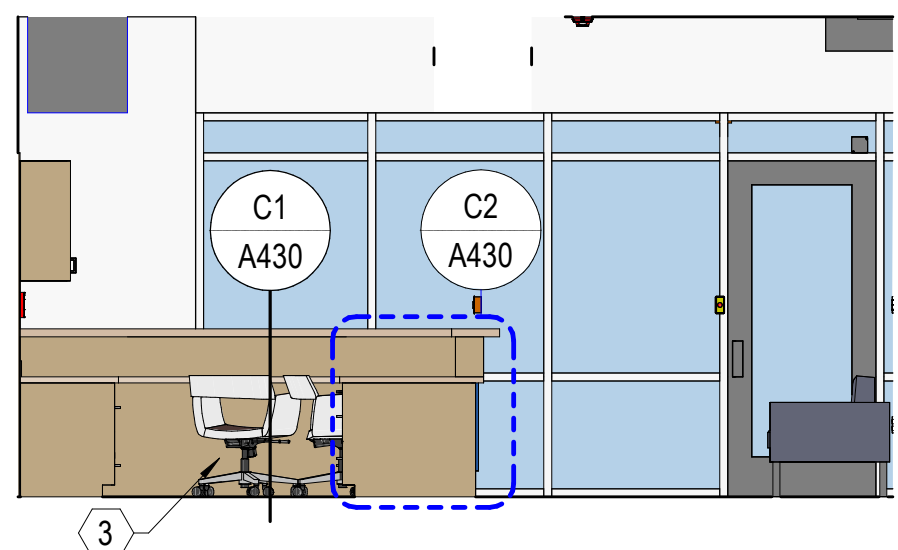
B3 CORRIDOR - W
SCALE: 1/4" = 1'-0"



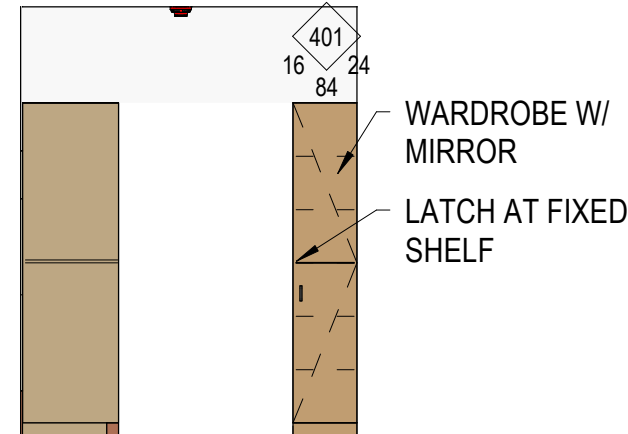
C1 RECEPTION - N
SCALE: 1/4" = 1'-0"



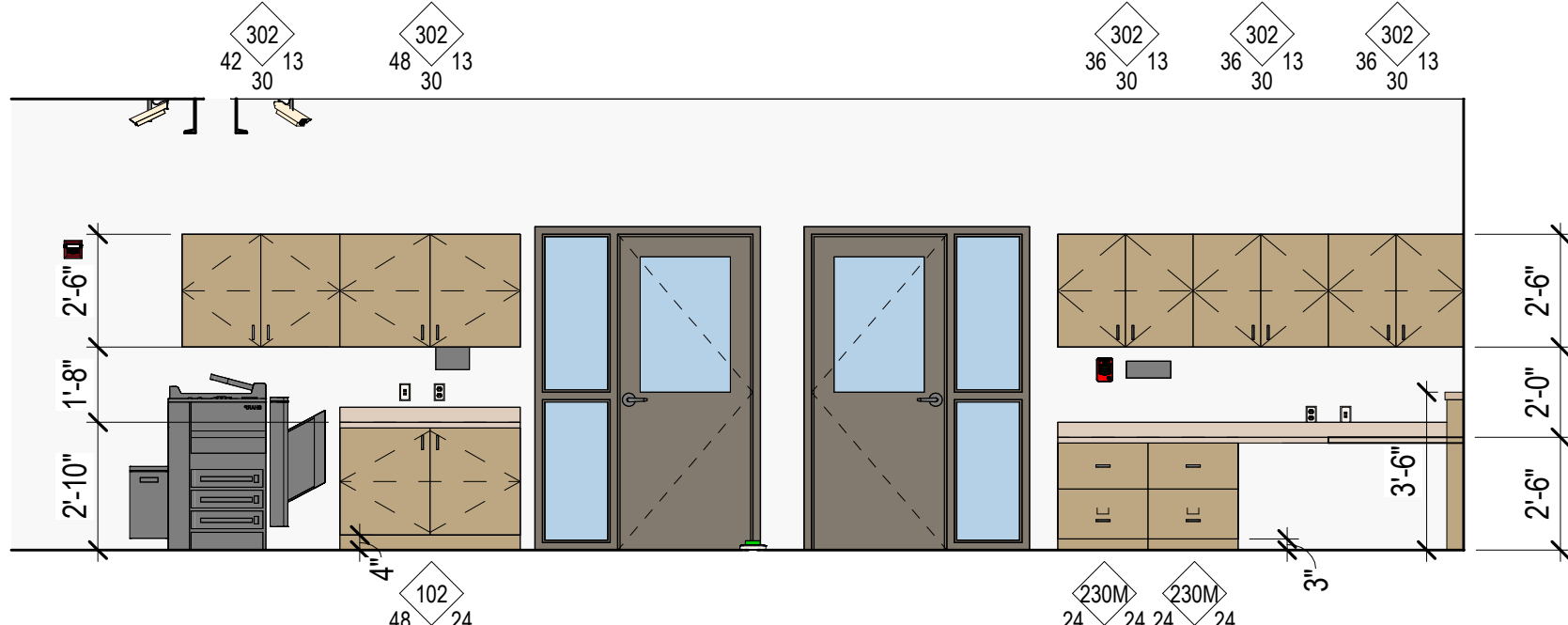
C2 RECEPTION DESK - N
SCALE: 1/4" = 1'-0"



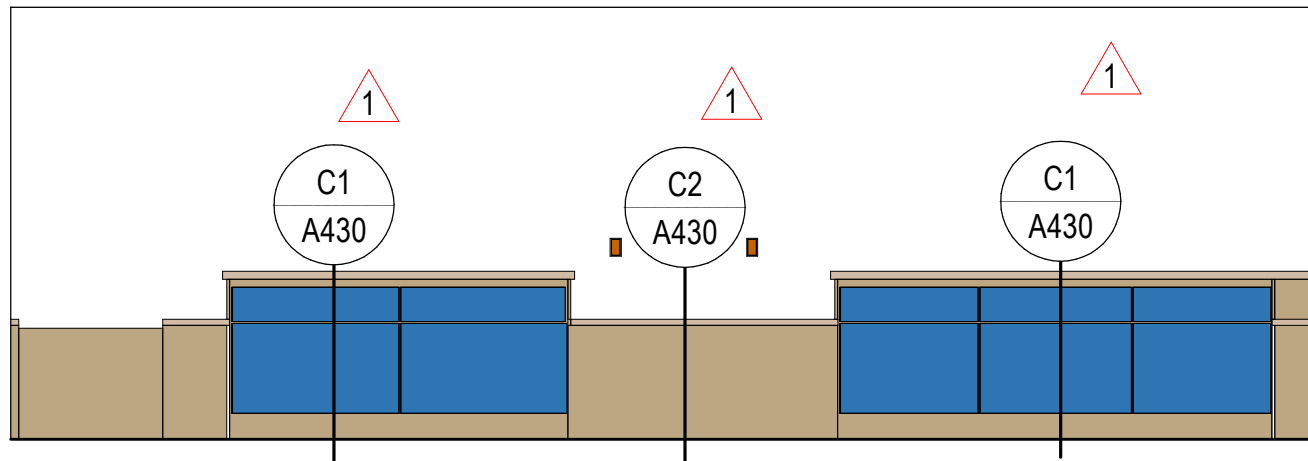
C3 RECEPTION - W
SCALE: 1/4" = 1'-0"



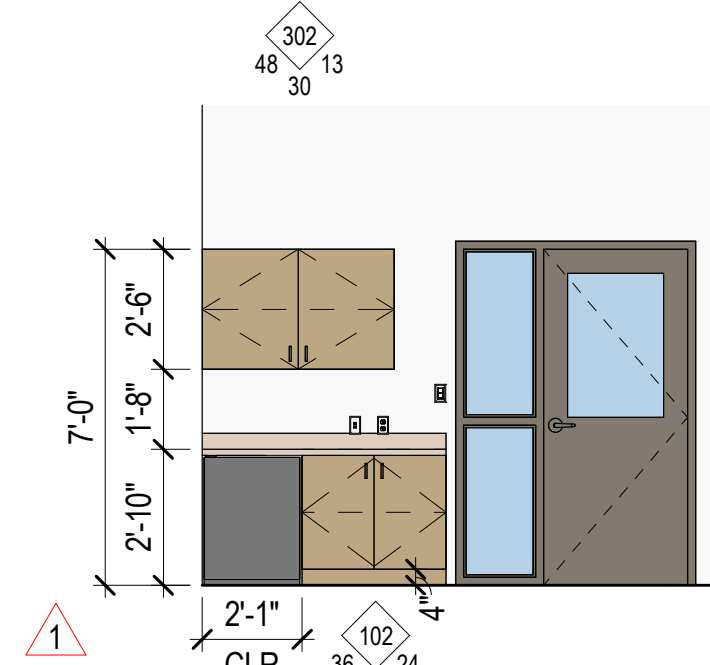
C4 WARDROBE - TEACHER WORKROOM
SCALE: 1/4" = 1'-0"



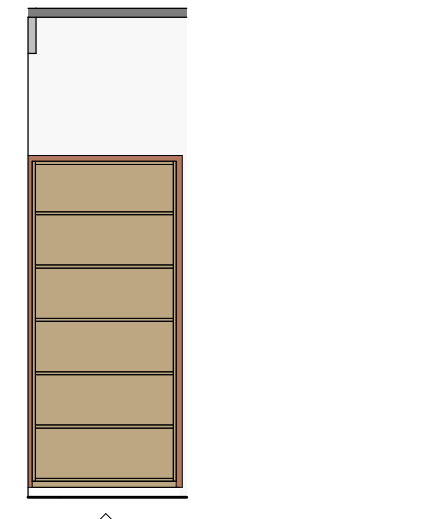
D2 RECEPTION DESK - S
SCALE: 1/4" = 1'-0"



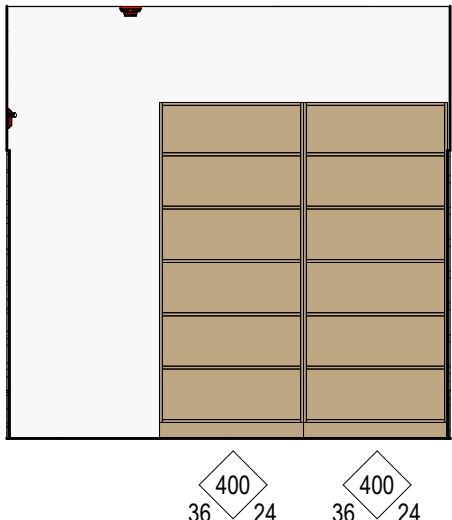
D3 RECEPTION DESK - FRONT - S
SCALE: 1/4" = 1'-0"



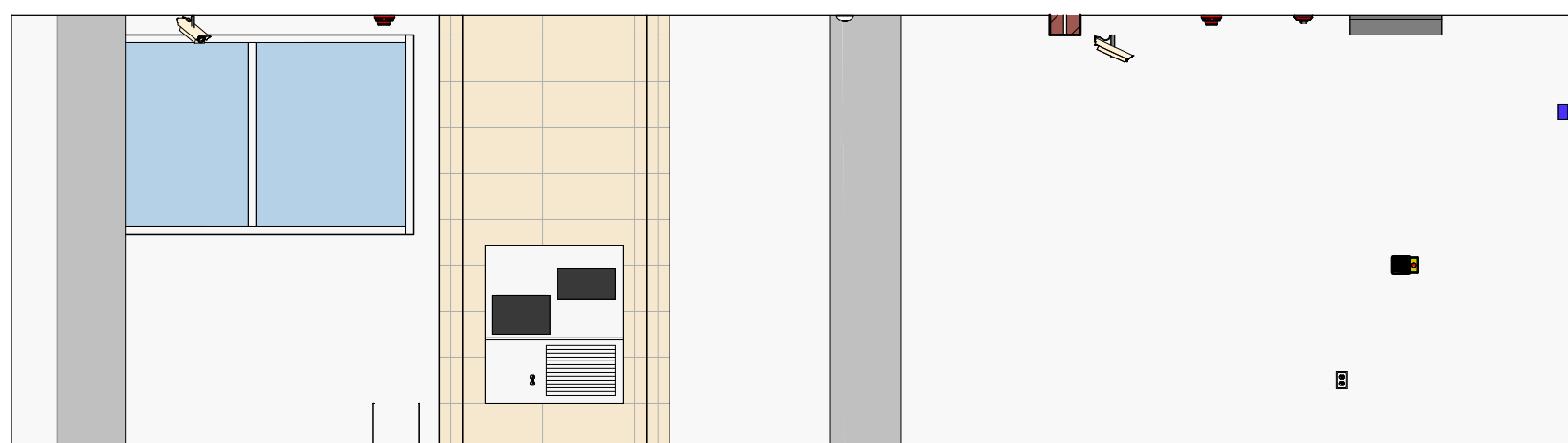
D4 CONFERENCE - S
SCALE: 1/4" = 1'-0"



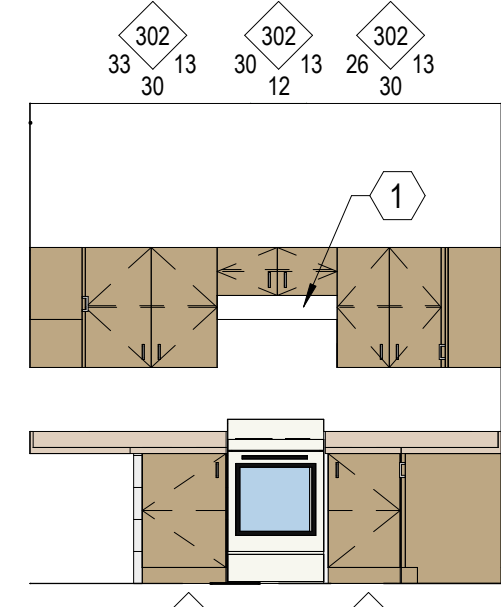
D5 OFFICE - S
SCALE: 1/4" = 1'-0"



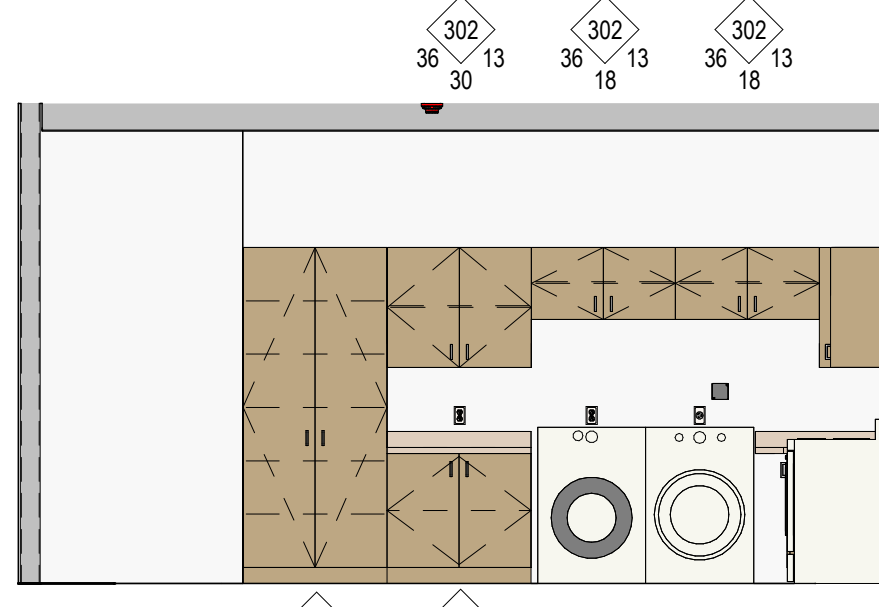
E1 TEACHER WORKROOM
SCALE: 1/4" = 1'-0"



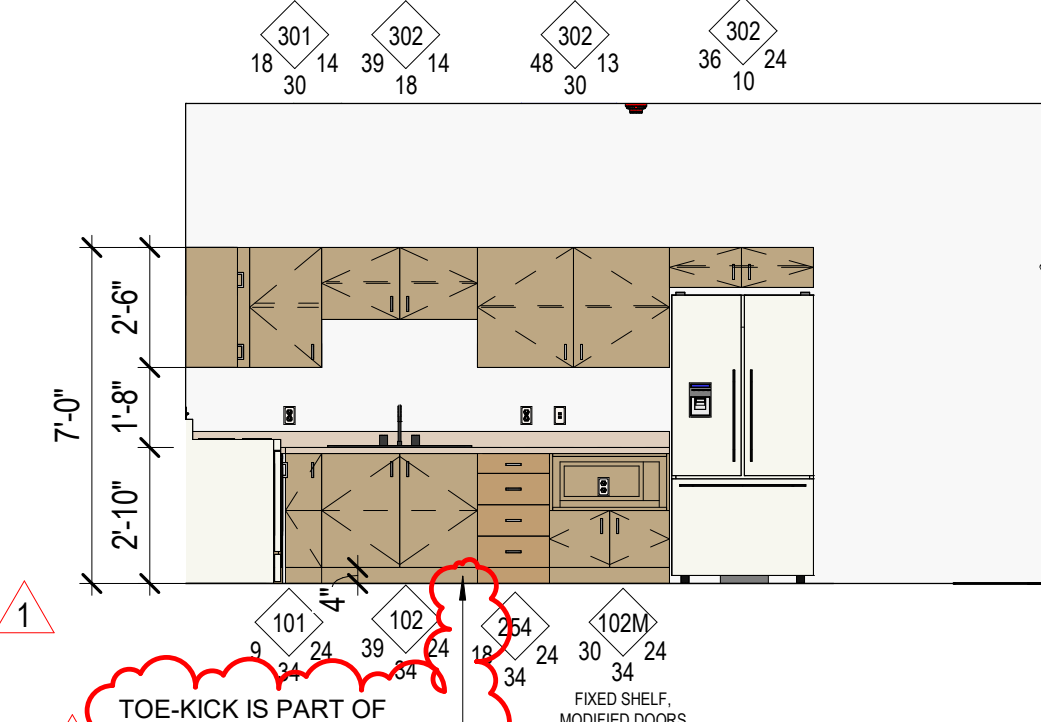
E2 VESTIBULE - N
SCALE: 1/4" = 1'-0"



E3 WORKROOM - E
SCALE: 1/4" = 1'-0"



E4 WORKROOM - N
SCALE: 1/4" = 1'-0"



E5 WORKROOM - S
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATIONS GENERAL NOTES

RE: North American Architectural Woodwork Standards v3.0 (NAAWS), Cabinet Design Series for cabinet types.

RE: G300 for Interior Wall Types.

RE: A640 for the Finish Schedule.

Dimensions shown to walls or casework are to finished face of wall or cabinet, UNO.

Equipment indicated by dashed lines is a general representation and shown for coordination purposes only.

Mechanical, electrical, plumbing and telecom rough-in locations are shown for general coordination purposes only. Refer to mechanical, electrical, plumbing and telecom drawings.

Countertops: 25" deep with 4" high backsplash, UNO. Provide sidesplashes at walls, tall cabinets or similar transitions.

Blocking: Provide blocking in walls at cabinets, wall-mounted accessories, equipment, display boards and similar items.

Finishes: Finishes are required on all exposed and semi-exposed surfaces, UNO. Wall elevations are not shown for walls where the Finish Schedule is deemed adequate to convey the intent.

Casework Finishes: Provide laminate finishes on all exposed and semi-exposed surfaces as required by the specifications. Provide laminate finishes on concealed surfaces if required by the specifications. Refer to NAAWS Section 10.4.4 for definitions of exposed, semi-exposed and concealed surfaces.

Furniture shown for reference only

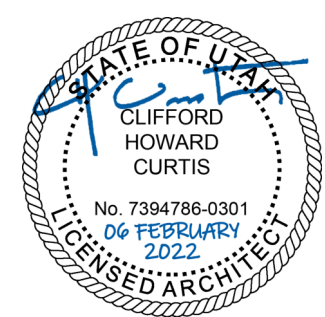
LEGEND - INTERIOR ELEVATION

	PAINTED GYPSUM BOARD		TACK BOARD
	GLAZING/SCHEDULED WINDOW SYSTEM		TV MONITOR; SEE ELECTRICAL
	TACKABLE WALL SURFACE		WHITE BOARD

KEYNOTES - INTERIOR

- RANGE HOOD W/ ACCESSIBLE HT. SWITCH RE: ELECTRICAL
- FELT TACK
- EXTEND FINISH CASEWORK PANEL TO STUD WALL - P-LAM FINISH ALL SIDES

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SEAL



MHTN PROJECT NO: 2023554.01

Original drawing is 36 x 42. Do not scale contents of this drawing.

REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

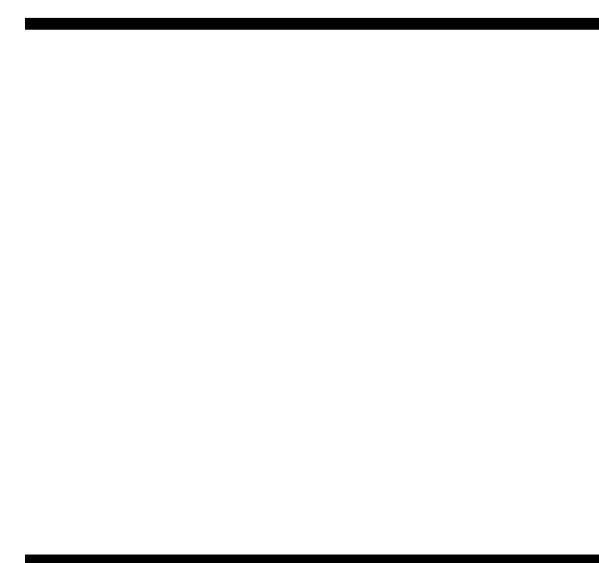
NO. DATE DESCRIPTION
1 02/23/2024 Addendum #1
2 03/03/2024 Addendum #2

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
INTERIOR ELEVATIONS

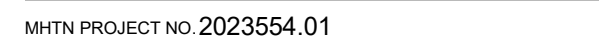
SHEET NUMBER

A410



LEGEND - INTERIOR ELEVATION

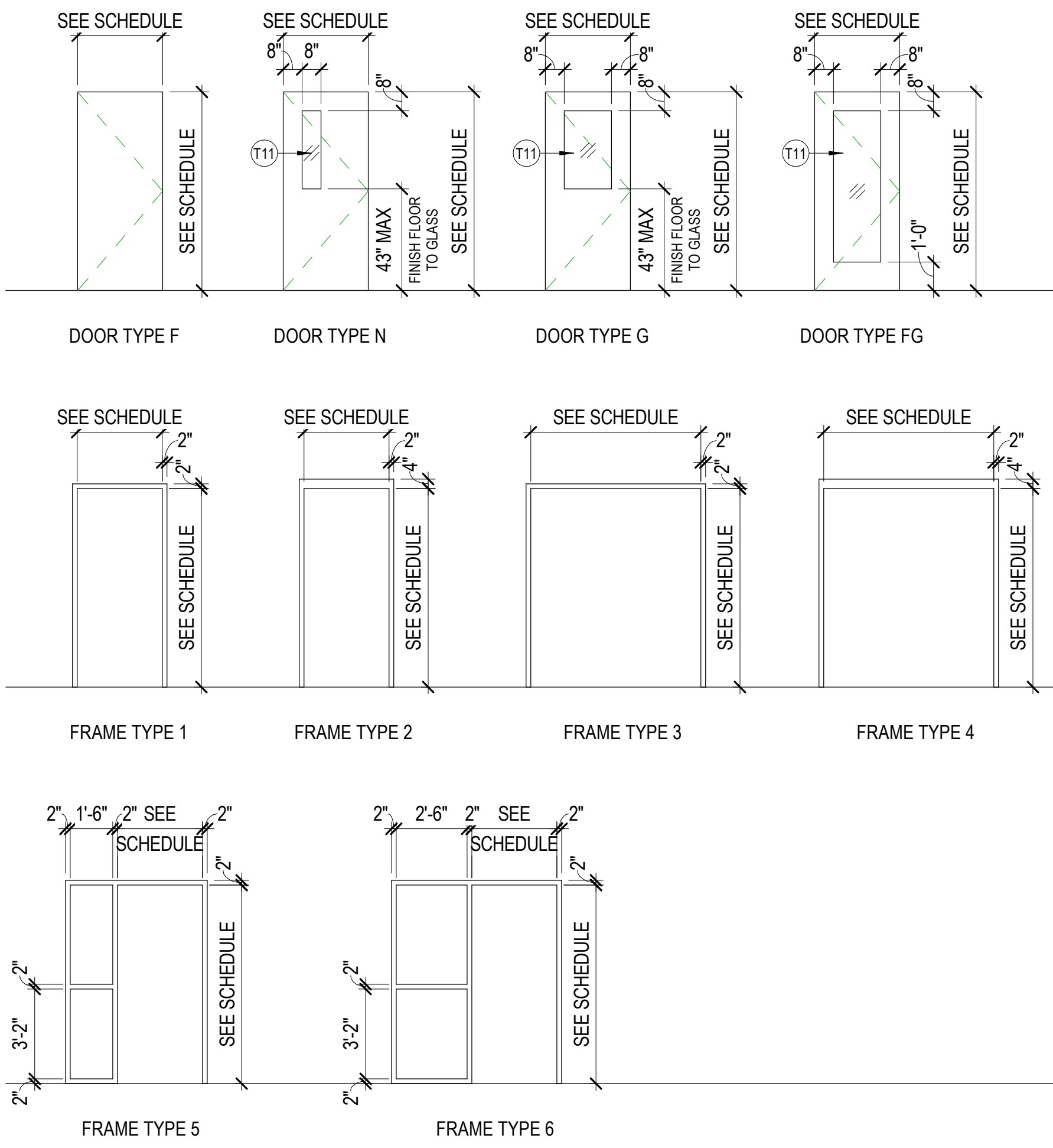
**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES**



A411



DOOR AND FRAME SCHEDULE															
DOOR #	DOOR					FRAME		HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (MIN)	HARDWARE SET		REMARKS	DOOR #
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	MATERIAL								
A100A	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL04	CR		A100A
A100B	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL04	CR		A100B
A101	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E3/A600		AL06			A101
A102A	FG	3'-1"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E4/A600		AL01	CR		A102A
A102B	FG	3'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E1/A600		AL02	CR		A102B
A104	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03			A104
A105	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03			A105
A106	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03			A106
A107	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03			A107
A108	F	3'-0"	7'-0"	1 3/4"	WD	2	HM	C3/A600	D3/A600	E4/A600		05			A108
A109	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03			A109
A110	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E5/A600		03			A110
A111	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A600	D5/A600	E4/A600		01			A111
A113	N	3'-0"	7'-0"	1 3/4"	WD	2	HM	C3/A600	D3/A600	E4/A600		08			A113
A114	F	3'-0"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E4/A600		02			A114
A115	N	3'-0"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E4/A600		08			A115
A116	F	3'-0"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E5/A600		01			A116
A118A	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL05			A118A
A118B	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL03			A118B
A119	F	3'-6"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	B5/A600 SW		07			A119
A120	F	8'-0"	7'-0"	1 3/4"	WD	4	HM	C5/A600	D5/A600	E4/A600		09			A120
A120B	FG	3'-0"	7'-0"	2"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL07.1			A120B
A121	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		04			A121
A122	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600	E4/A600		02			A122
A123A	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		02			A123A
A123B	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		02			A123B
A124A	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		04			A124A
A125	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600	E4/A600		02			A125
A126	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E1/A600		04			A126
A127	F	3'-6"	7'-0"	1 3/4"	WD	1	HM	C5/A600	D5/A600	B5/A600		07			A127
A128	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600	B5/A600		06			A128
A130	F	3'-6"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600			11	CR		A130
EX-A112A	F	3'-0"	7'-0"	1 3/4"		2						12	DELAYED EGRESS		EX-A112A
EX-A112B	FG	3'-0"	7'-0"	2"		-						04.1	DELAYED EGRESS		EX-A112B
Grand total: 34															



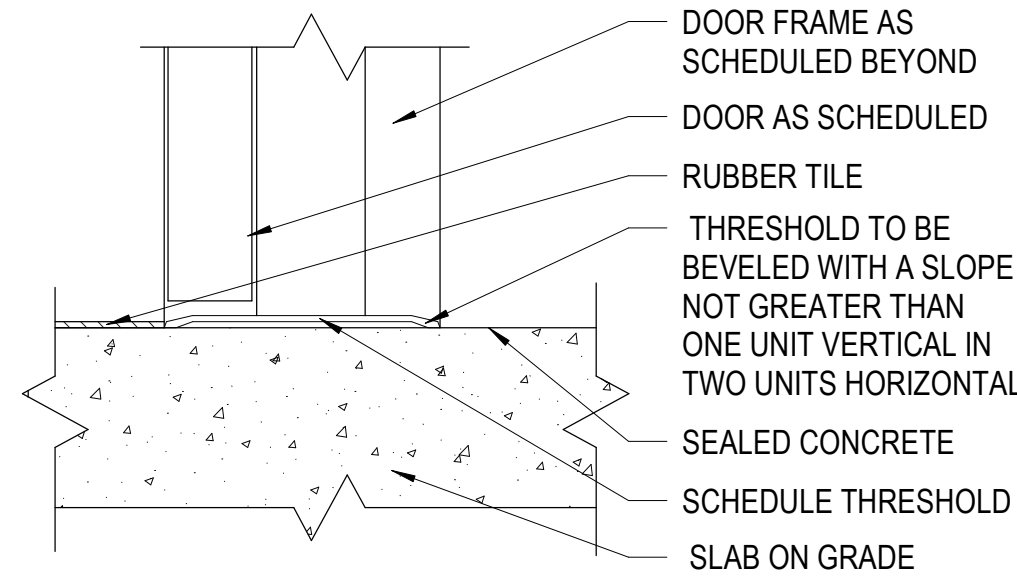
DOOR & FRAME TYPES

DOOR SCHEDULE GENERAL NOTES

RE: A600 for the Glazing Schedule.
RE: Division 8 Section "Door Hardware" for hardware sets.
Door Leaves: At each door, provide the number of leaves shown on the plans. Where two leaves are shown, provide equal leaves, UNO.
Frame Depth: Coordinate hollow metal frame depth with wall thickness, wrapping stud framed walls. Provide depths as scheduled for masonry walls, UNO.

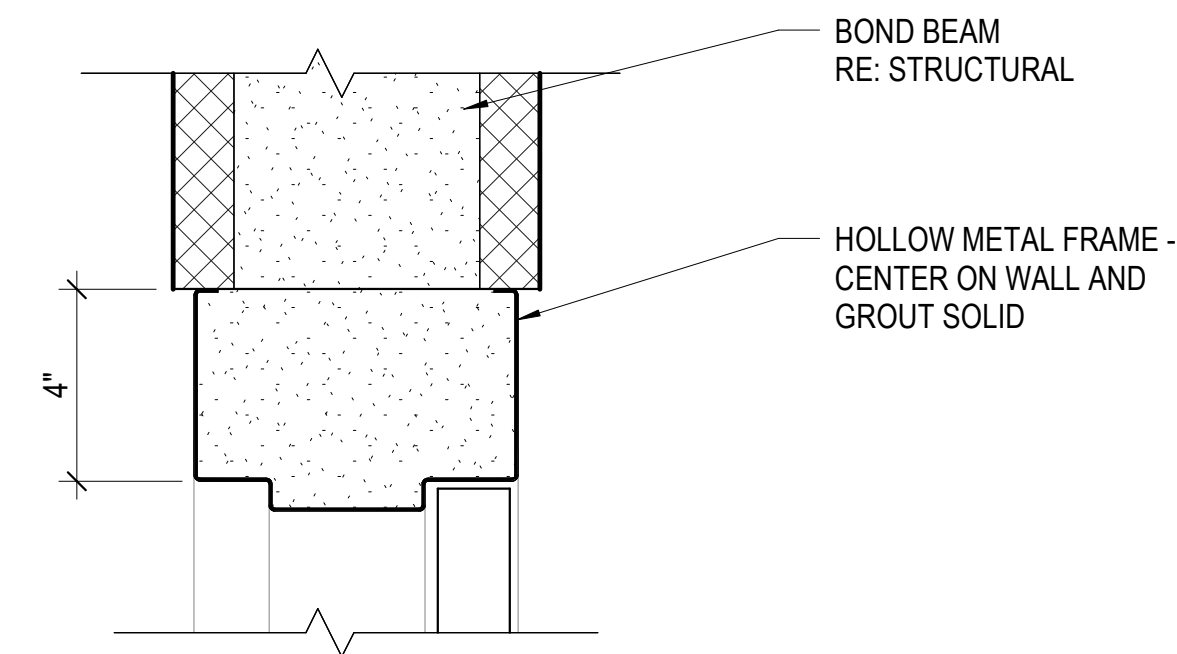
Abbreviations: Door and Frame Schedule Remarks abbreviations:
ADA ADA Actuator
CR Card Reader
DE Delayed Egress
EL Electric Latch
ES Electric Strike
MO Motor Operation
MHO Magnetic Hold Open

HOLLOW METAL FRAME DEPTH SCHEDULE	
MASONRY/CONCRETE DEPTH	FRAME DEPTH
6"	5 3/4"
8"	6 3/4"
10"	8 3/4"
12"	10 3/4"



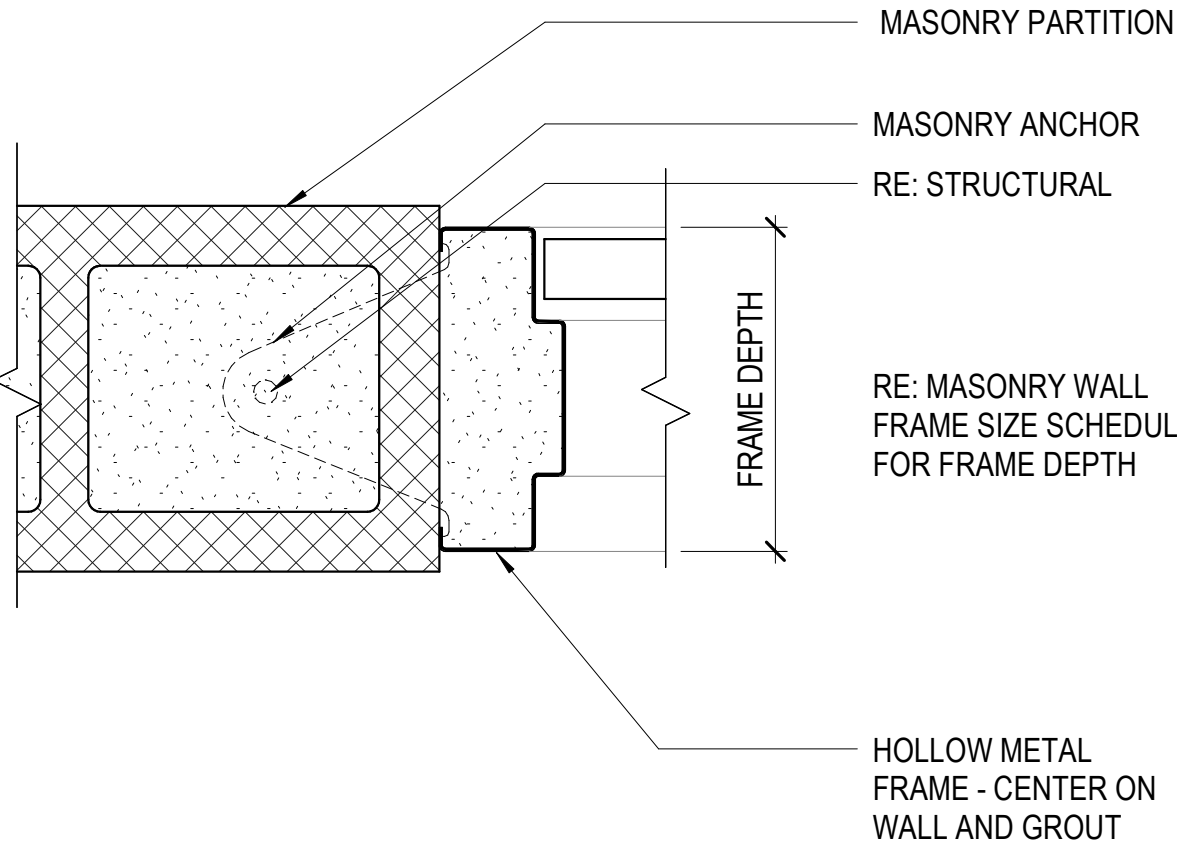
SILL DETAIL

SCALE: 3" = 1'-0"



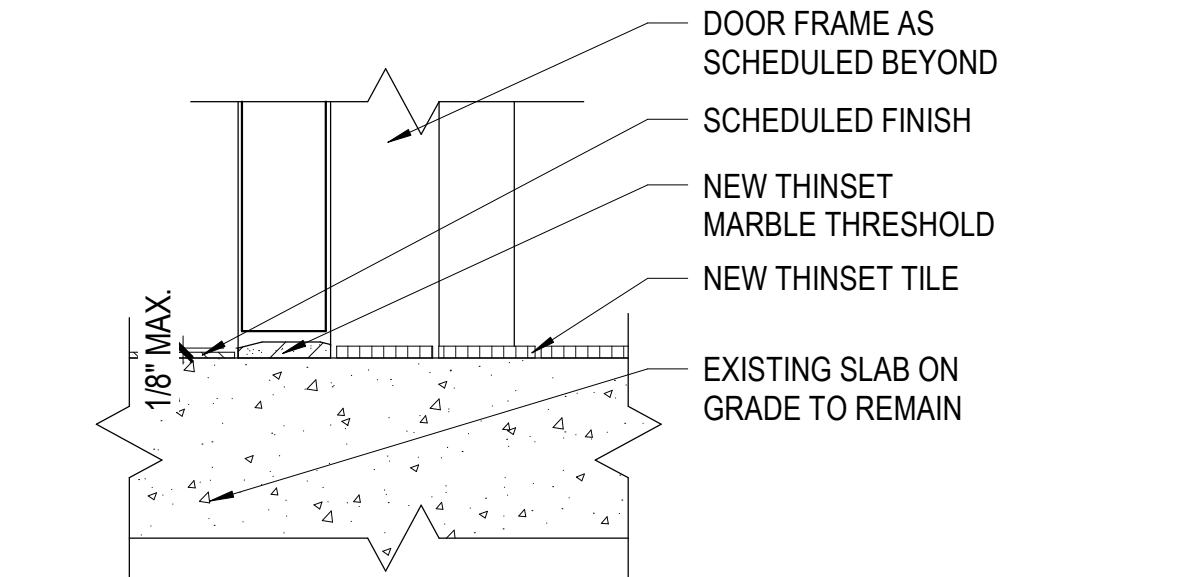
HEAD DETAIL

SCALE: 3" = 1'-0"



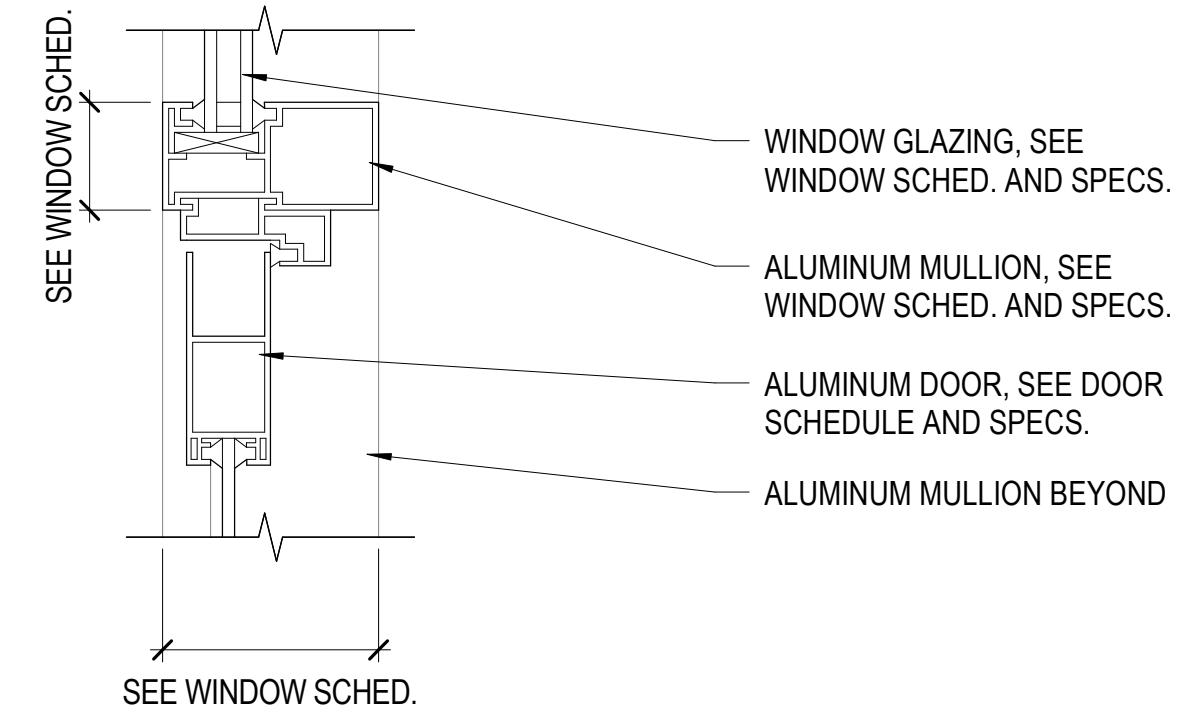
JAMB DETAIL

SCALE: 3" = 1'-0"



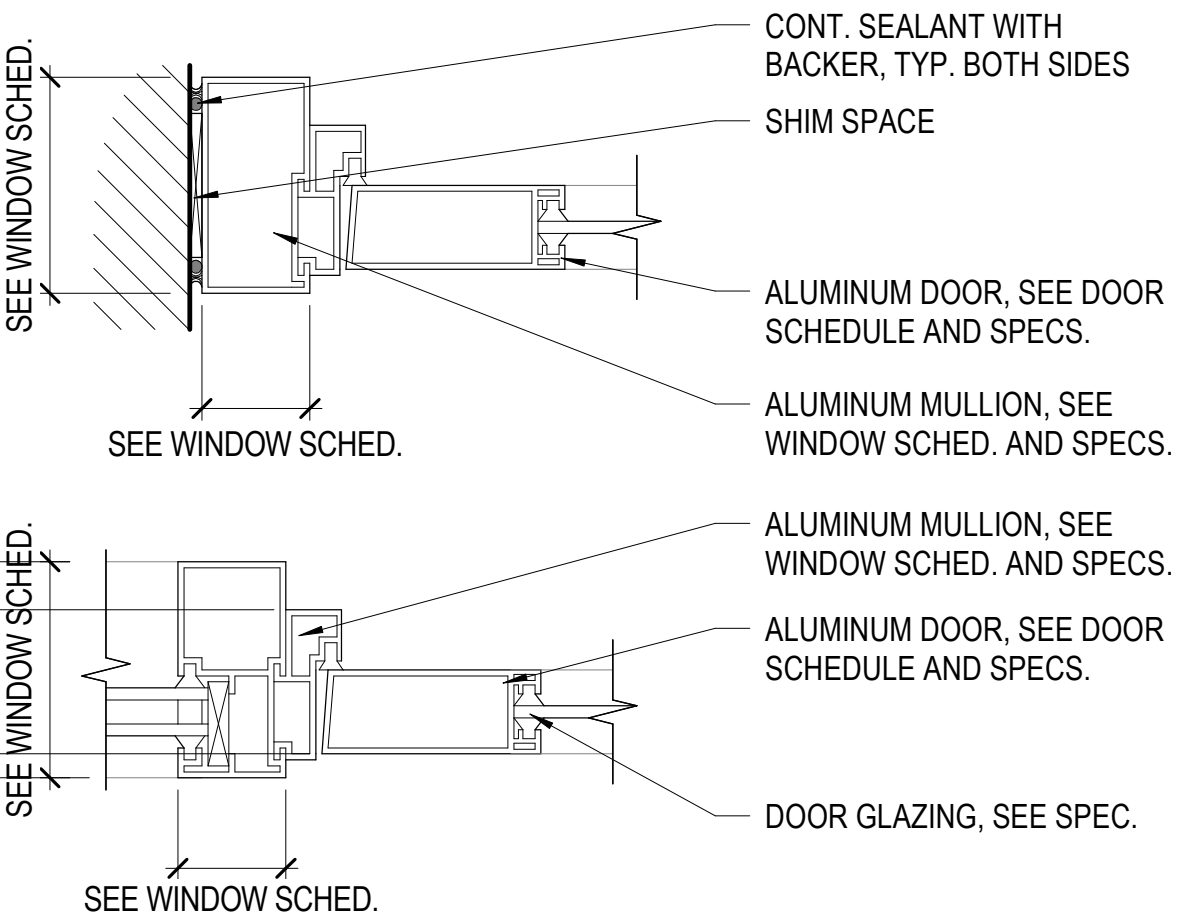
SILL DETAIL

SCALE: 3" = 1'-0"



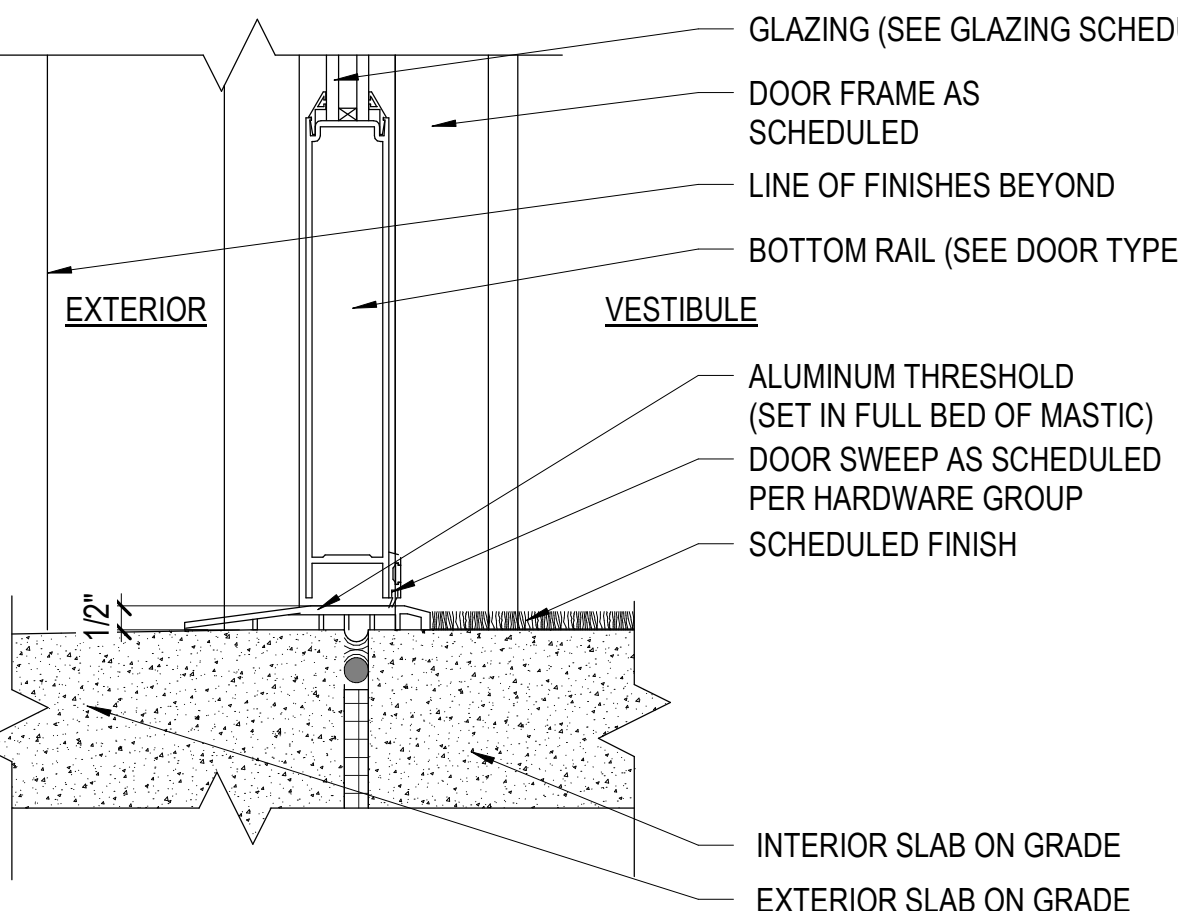
(TYP.) STOREFRONT HEAD DETAIL

SCALE: 3" = 1'-0"



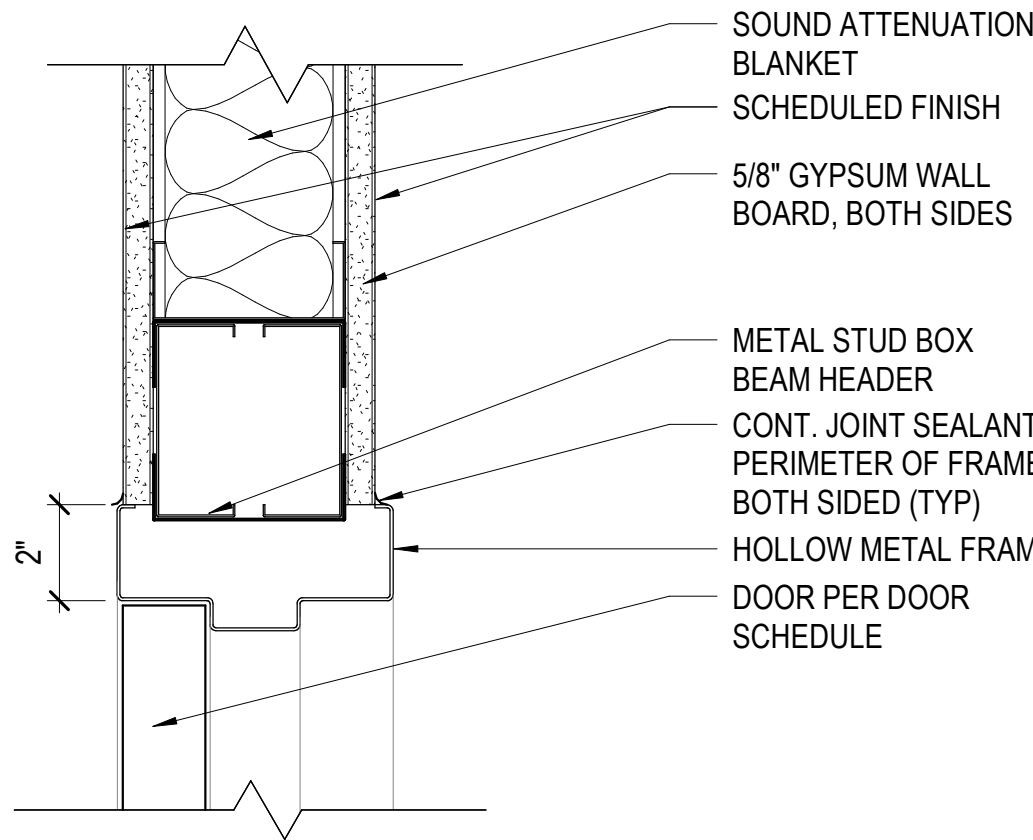
(TYP.) STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0"



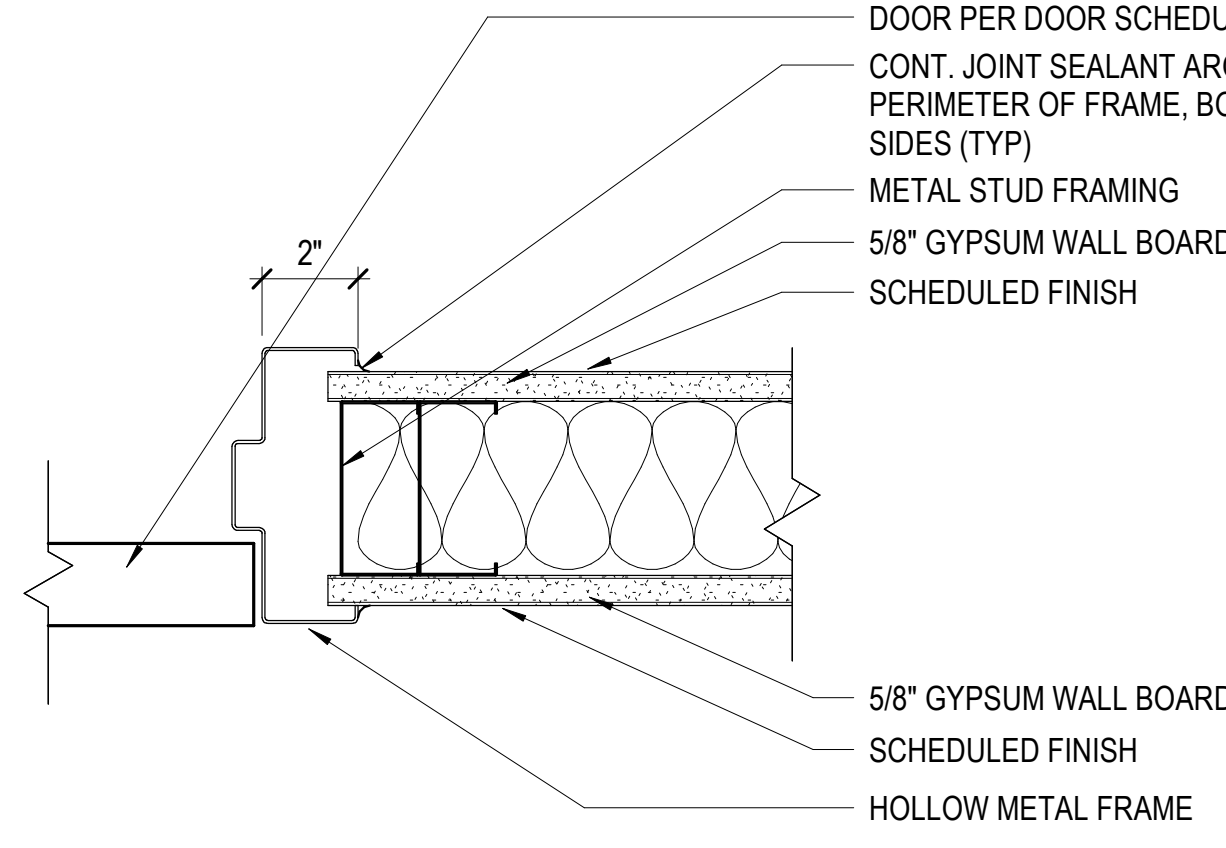
SILL DETAIL

SCALE: 3" = 1'-0"



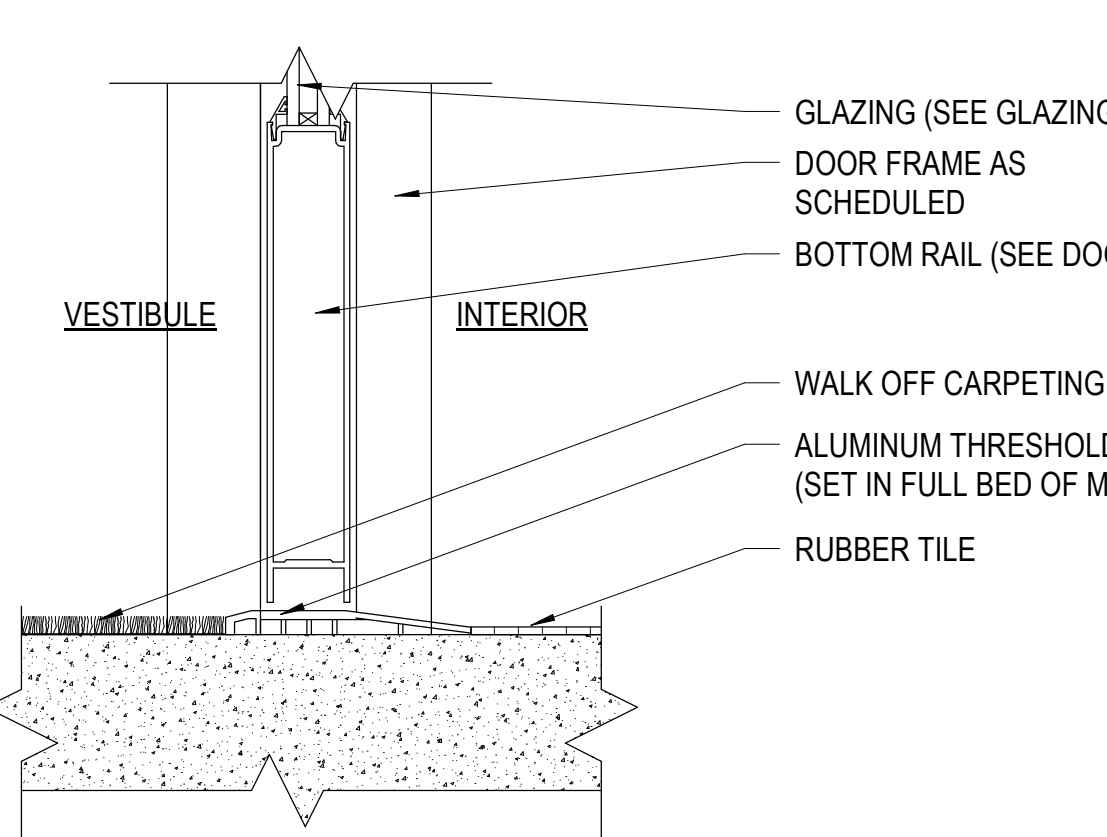
HEAD DETAIL

SCALE: 3" = 1'-0"



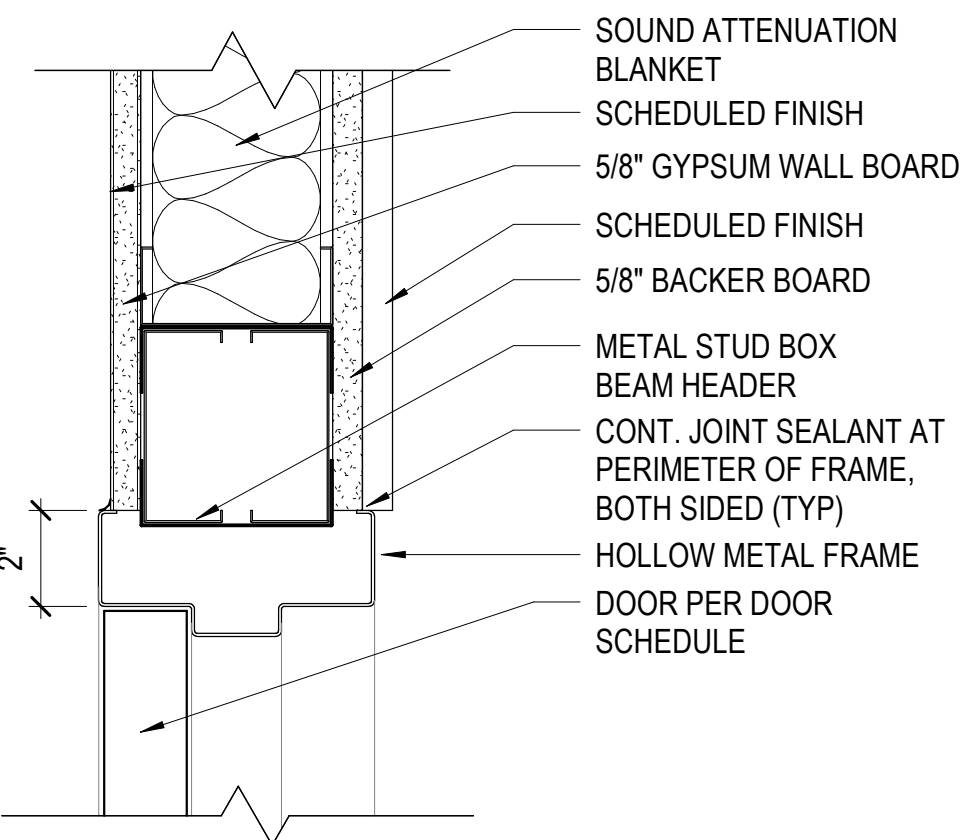
JAMB DETAIL

SCALE: 3" = 1'-0"



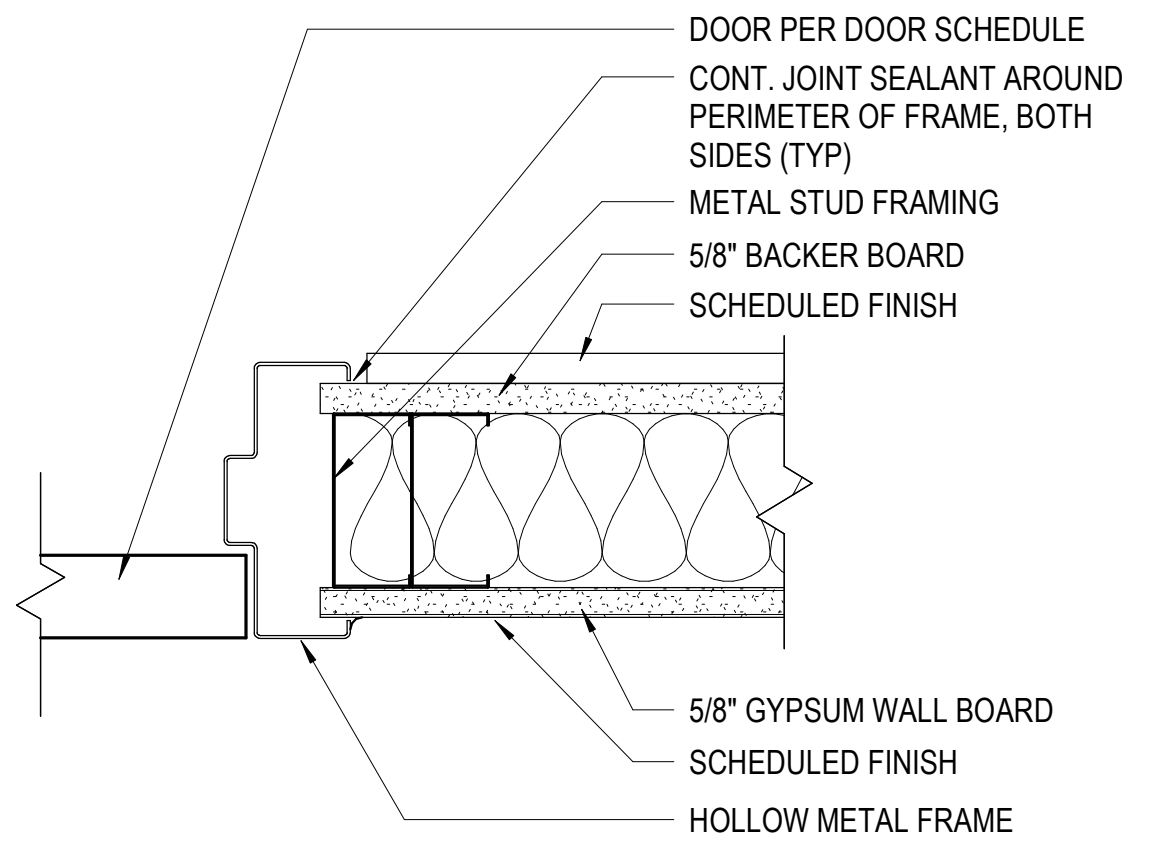
DETAIL

SCALE: 3" = 1'-0"



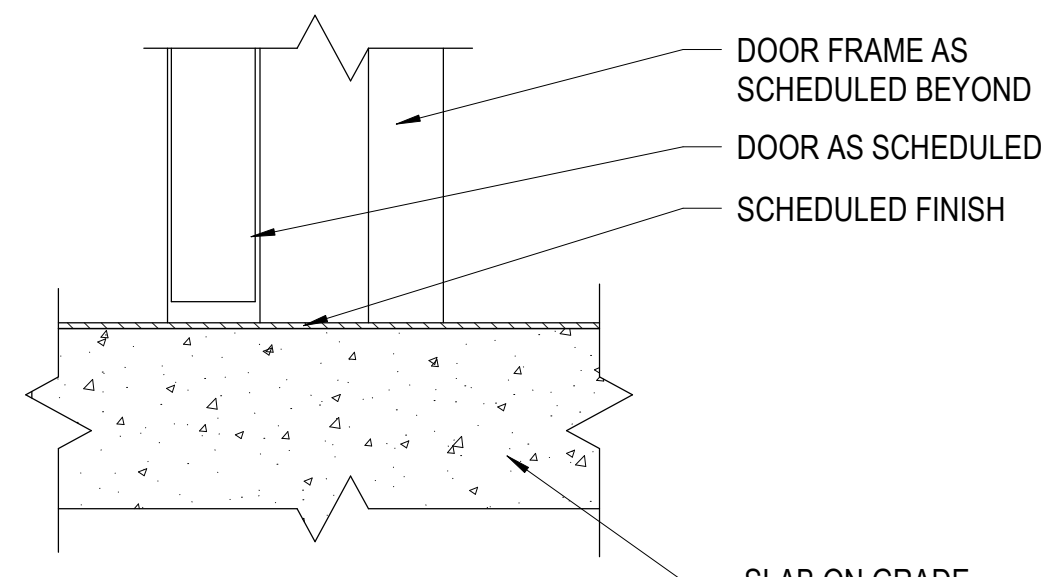
HEAD DETAIL

SCALE: 3" = 1'-0"



JAMB DETAIL

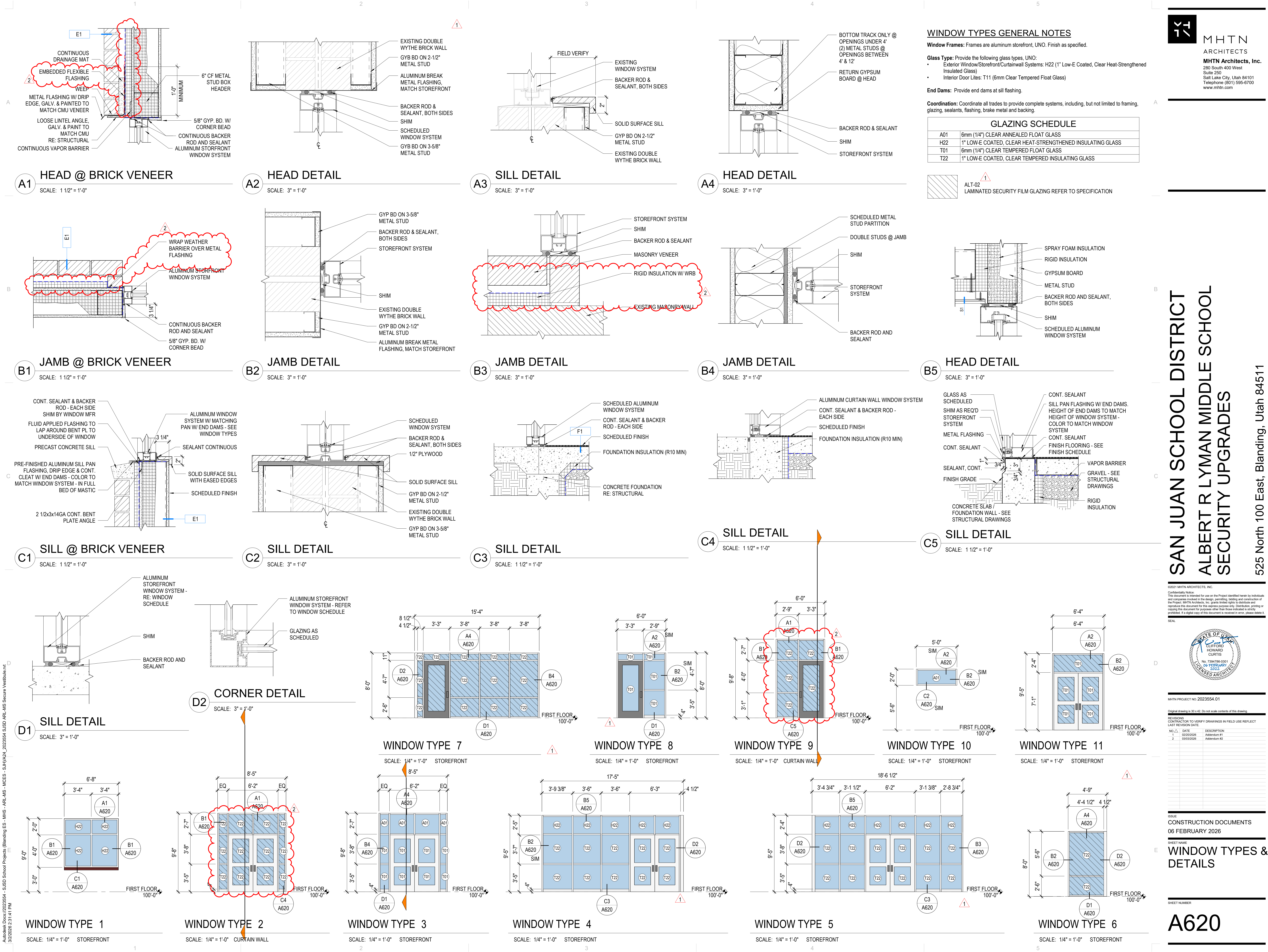
SCALE: 3" = 1'-0"



SILL DETAIL

SCALE: 3" = 1'-0"

NO.	DATE	DESCRIPTION
1	03/05/2023	Addendum #2



REFLECTED CEILING PLAN GENERAL NOTES

RE: A710 for typical suspended ceiling details, including seismic bracing

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO. Field verify ARCHITECTS ceiling heights.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer to Specifications

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers and other penetrations

Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

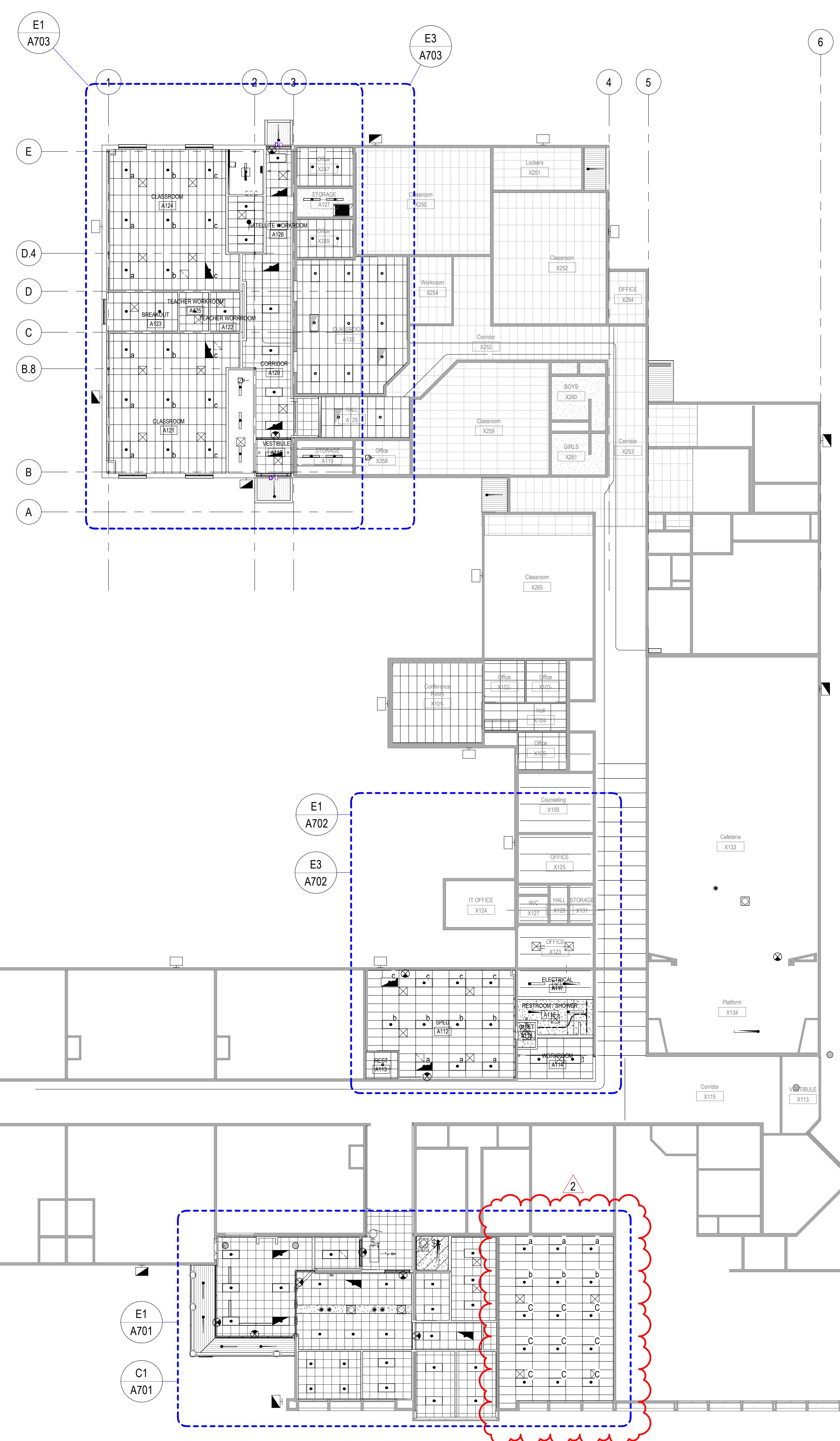
Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at open areas around ceiling clouds. Color: As selected by Architect.

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO

Fire Sprinklers: Center sprinkler heads in acoustical panels; run in straight lines in orthogonal, rectangular space.

Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

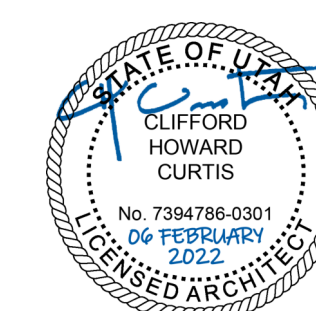
Keynotes: Not all keynotes apply to this sheet.



**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES**

525 North 100 East, Blanding, Utah 84511

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MHTN PROJECT NO. 2023554.01

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE

NO.△	DATE	DESCRIPTION
2	03/03/2026	Addendum #2

[illegible]

ISSUE
CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

OVERALL

OVERALL
REFLECTED

REFLECTED

CEILING PLAN

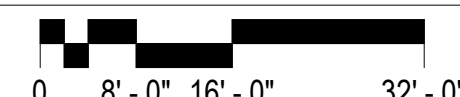
SHEET NUMBER

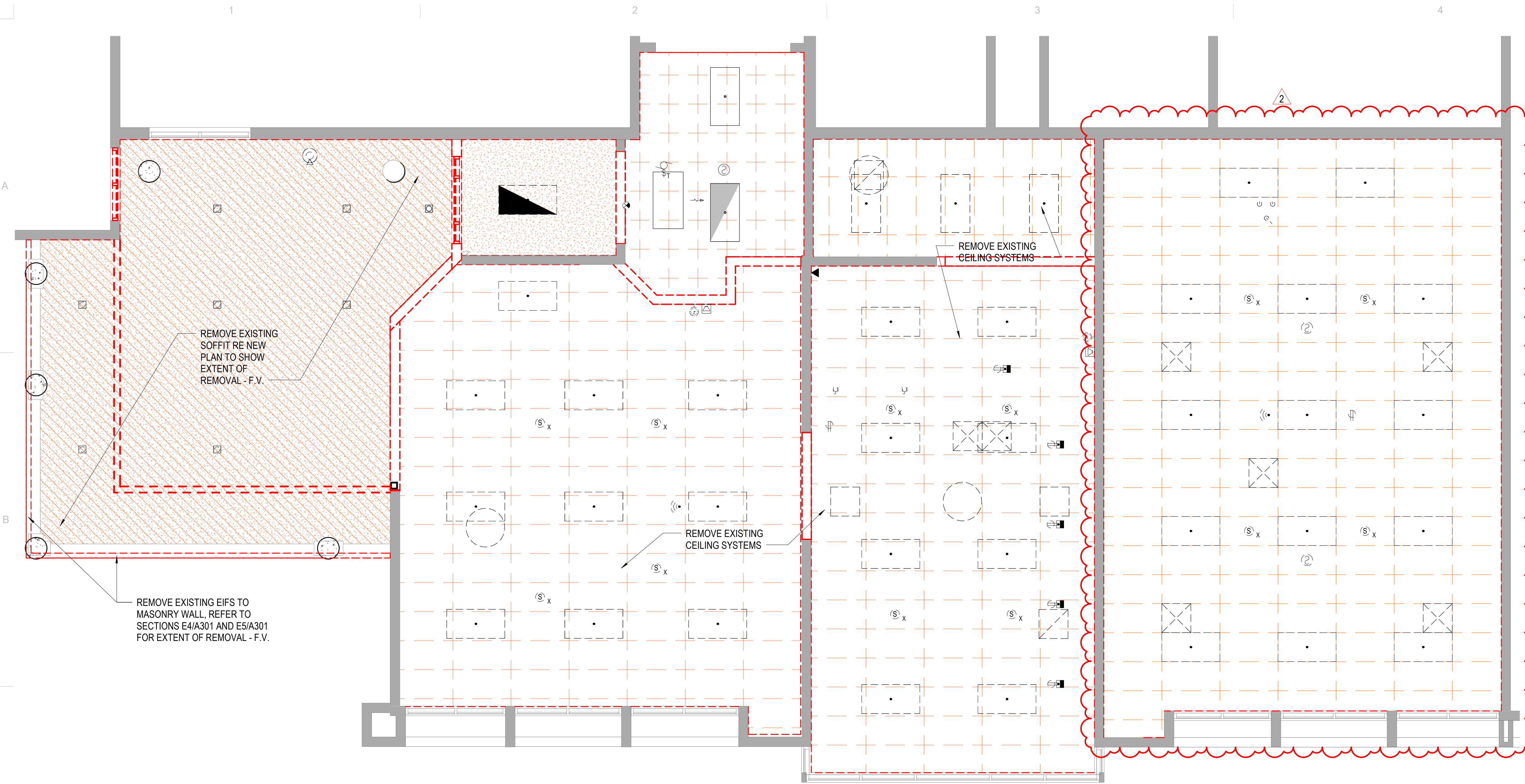
A 700

A700

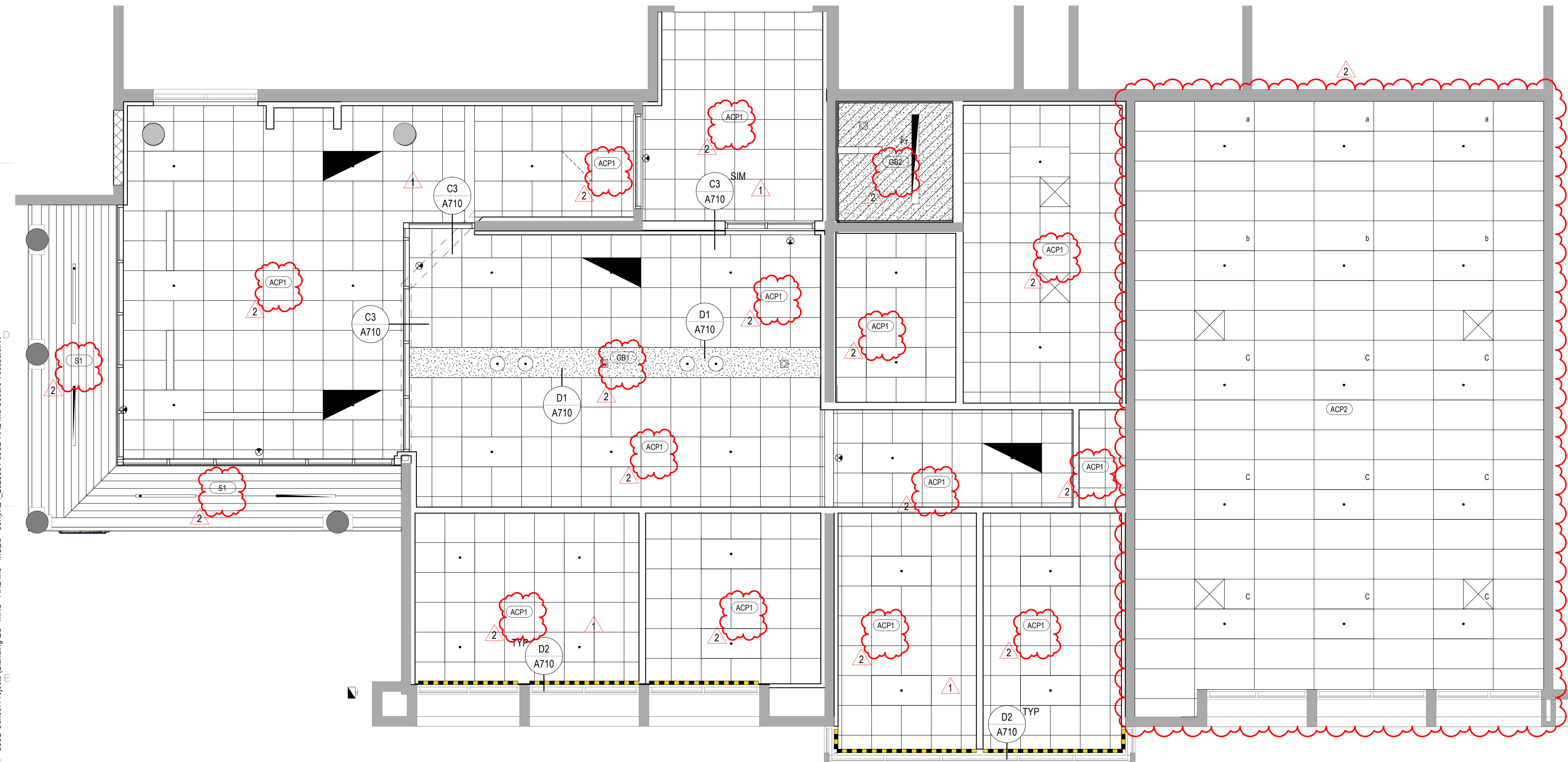
REFLECTED CEILING PLAN

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





C1 PARTIAL REFLECTED CEILING DEMO PLAN - ADMIN
SCALE: 1/4" = 1'-0"



E1 PARTIAL REFLECTED CEILING PLAN - ADMIN
SCALE: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

Protection: Protect existing construction to remain from damage during demolition and new construction work. Repair any damage resulting from this work.

Protect in-place, existing mechanical, plumbing and electrical systems above ceilings that are not shown to be removed. This includes, but is not limited to: network cabling, coax cabling, conduits, piping, ductwork, etc.

When removing concrete slabs on grade, take all necessary precautions to protect electrical lines in or under those slabs.

Site Access: Coordinate phased access to the site with the Owner, including times of restricted access.

Coordination: Coordinate extent of walls to be removed with architectural floor plan(s).

Masonry Walls: Where masonry walls are demolished, clean and repair newly exposed surfaces to match adjacent wall finish.

Salvage: Review with the owner, casework, furniture, equipment and wall mounted display surfaces left behind after owner move out, that are not shown on drawings. Identify as either salvage or to be disposed of by contractor.

Where indicated to be removed, salvage whiteboards and tack boards for reuse, UNO.

Where indicated to be removed, salvage undamaged acoustical ceiling panels for use in repair, patching and modifications of existing ceilings. Use only in ceilings where panels match.

Verify that existing equipment that is to remain, to be salvaged or to be re-installed, is in working condition. Provide written documentation to the Owner for any items that are not in working condition before beginning work in the area.

LEGEND - DEMOLITION RCP

- | | |
|---|---|
| EXISTING WALL TO REMAIN | REMOVE DOOR & FRAME |
| LIGHTING FIXTURES TO REMAIN, RE: ELECTRICAL | WALLS & OTHER ITEMS TO BE DEMOLISHED |
| MECHANICAL ITEMS TO REMAIN, RE: MECHANICAL | LIGHTING FIXTURES TO BE DEMOLISHED, RE: ELECTRICAL |
| SUSPENDED GYPSUM BOARD CEILING TO BE DEMOLISHED | MECHANICAL ITEMS TO BE DEMOLISHED, RE: MECHANICAL |
| SUSPENDED ACOUSTICAL TILE CEILING TO BE DEMOLISHED | NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION. |
| SUSPENDED ACOUSTICAL TILE TO BE DEMOLISHED; PRESERVE GRID | |
| SUSPENDED ACOUSTICAL TILE TO BE DEMOLISHED | |

REFLECTED CEILING PLAN GENERAL NOTES

RE: A710 for typical suspended ceiling details, including seismic bracing.

Ceiling Height: 9'-0" UNO. Where floor height varies in a room, ceiling height is shown at the entry to the room, UNO. Field verify ceiling heights.

Ceiling Grid/Panel Alignment: The design intent of the Reflected Ceiling Plans is center ceiling grids or acoustical panels between walls in both directions, or to center grids in one direction, panels in the other. If the grid does not comply with the design intent, then coordinate with Architect to adjust the ceiling layout prior to installation.

Seismic Design Category: D: Heavy-duty suspension system required / Refer to Structural / Refer to Specifications.

Seismic Bracing: Rigid bracing required at ceilings over 1,000 SF and at all ceilings with fire sprinklers and other penetrations.

Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF.

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

Exposed Elements: Paint exposed structure, pipe, conduit and HVAC duct at open ceilings and at open areas around ceiling clouds. Color: As selected by Architect.

Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

Fire Sprinklers: Center sprinkler heads in acoustical panels; run in straight lines in orthogonal, rectangular spaces.

Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

Keynotes: Not all keynotes apply to this sheet.

LEGEND - REFLECTED CEILING PLANS

- | |
|---|
| ACP1 - 24" X 24" ACOUSTICAL CEILING PANEL |
| ACP2 - 24" X 48" ACOUSTICAL CEILING PANEL |
| GB1 - PAINTED GYPSUM BOARD |
| GB2 - EPOXY PAINTED GYPSUM BOARD |
| S1 - ALUMINUM PANEL |
| OTS - OPEN TO STRUCTURE |
| OTSP - OPEN TO STRUCTURE - PAINTED |
| MECHANICAL DIFFUSERS SEE MECHANICAL |
| LIGHT FIXTURES SEE ELECTRICAL |
| MANUAL ROLLER SHADE |

Autodesk Docs://2023554 - SJSJ School Projects (Blanding ES - MHS - ARL-MS - MCES - SJIH)/A24_2023554 SJSJ ARL-MS Secure Vestibule.m

DEMOLITION GENERAL NOTES

Existing Conditions: Verify existing site and building conditions including but not limited to underground utilities and service lines, irrigation lines, sub-surface structures and all other existing construction both above and below grade.

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LEGEND - DEMOLITION RCP

EXISTING WALL TO REMAIN

WALLS & OTHER ITEMS TO BE DEMOLISHED

REMOVE DOOR & FRAME

LIGHTING FIXTURES TO REMAIN, RE: ELECTRICAL

LIGHTING FIXTURES TO BE DEMOLISHED, RE: ELECTRICAL

MECHANICAL ITEMS TO REMAIN, RE: MECHANICAL

MECHANICAL ITEMS TO BE DEMOLISHED, RE: MECHANICAL

SUSPENDED GYPSUM BOARD CEILING TO BE DEMOLISHED

SUSPENDED EIFS SOFFIT TO BE DEMOLISHED

SUSPENDED ACOUSTICAL TILE CEILING TO BE DEMOLISHED

SUSPENDED ACOUSTICAL TILE TO BE DEMOLISHED; PRESERVE GRID

SUSPENDED ACOUSTICAL TILE TO BE DEMOLISHED

NOTE: WHERE WALLS AND OTHER ITEMS ARE SHOWN WITH DASHED LINES, WHETHER KEYNOTED OR NOT, REMOVE THESE ITEMS TO THE EXTENT INDICATED AND AS REQUIRED BY NEW CONSTRUCTION.

LEGEND - REFLECTED CEILING PLANS

ACP1 - 24" X 24" ACOUSTICAL CEILING PANEL

ACP2 - 24" X 48" ACOUSTICAL CEILING PANEL

GB1 - PAINTED GYPSUM BOARD

GB2 - EPOXY PAINTED GYPSUM BOARD

S1 - ALUMINUM PANEL

OTS OPEN TO STRUCTURE

OTSP OPEN TO STRUCTURE - PAINTED

MECHANICAL DIFFUSERS SEE MECHANICAL

LIGHT FIXTURES SEE ELECTRICAL

MANUAL ROLLER SHADE

REFLECTED CEILING PLAN GENERAL NOTES

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Seismic Control Joints: Provide seismic control joints in suspended acoustical ceilings greater than 2,500 SF.

Control Joints: Provide control joints in gypsum board ceilings at 30'-0" max spacing. Coordinate locations with Architect to align joints with other elements in the ceilings or on the walls.

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Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

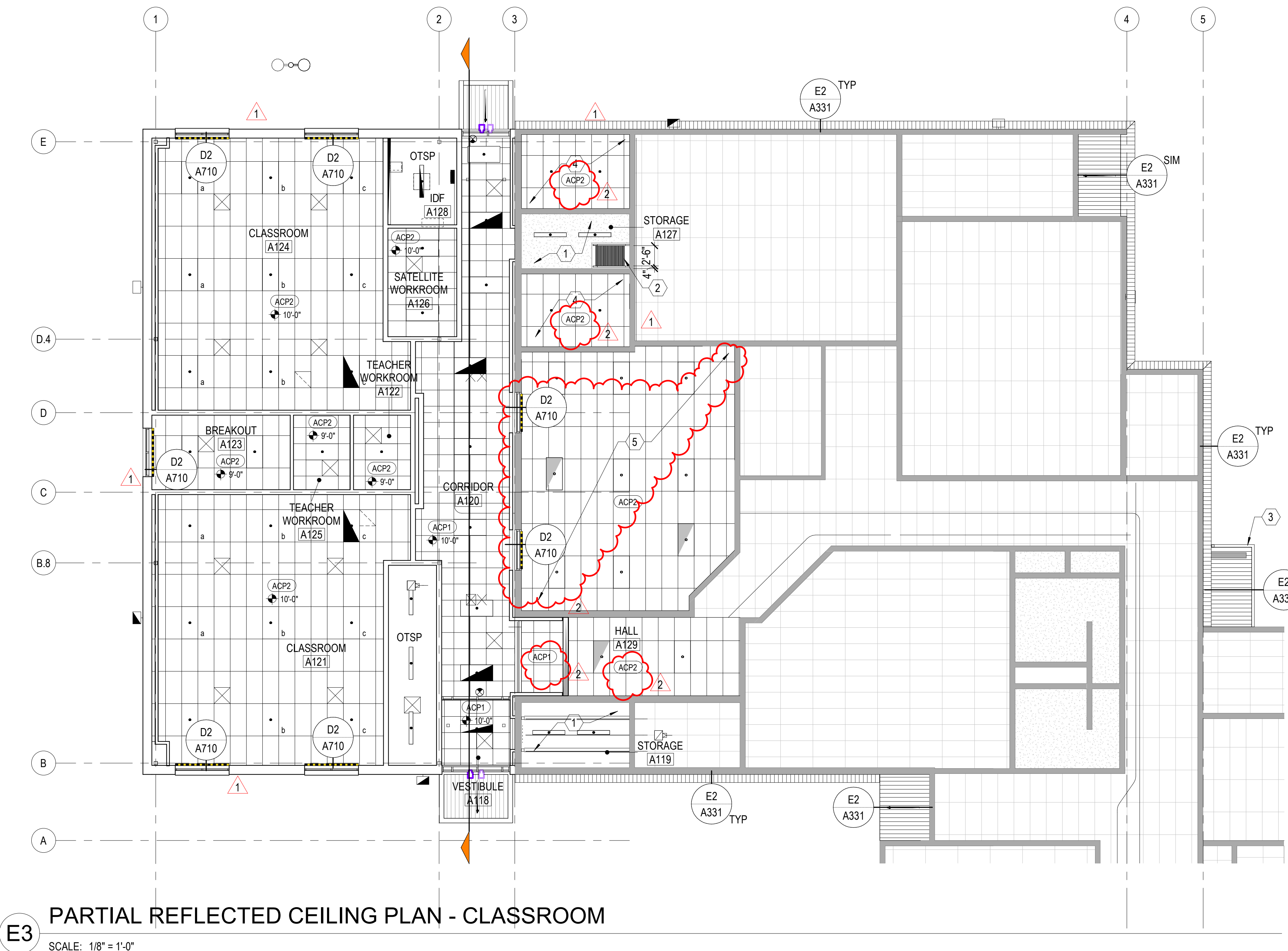
Keynotes: Not all keynotes apply to this sheet.

KEYNOTES - DEMOLITION

- MODIFY EXISTING WALL TO ACCEPT NEW STOREFRONT SYSTEM RE: ENLARGED FLOOR PLAN
- MODIFY EXISTING WALL FOR NEW OPENING RE: ENLARGED FLOOR PLAN
- DEMOLISH DOOR - PREP OPENING FOR WALL INFILL
- DEMOLISH DOOR
- DEMOLISH EXISTING CEILINGS, FLOORS & WALL FINISHES, CASEWORK, LIGHTING & DIFFUSERS TO RECEIVE NEW SYSTEMS - NOTE: ABOVE CEILING MEP TO REMAIN IN-PLACE FOR RECONFIGURATION WORK TO NEW CEILINGS
- CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- RECONFIGURE DUCTING - USE EXISTING HVAC
- DEMO EXISTING LOUVERS BELOW WINDOWS WHERE OCCURS - F.V. - PREP OPENING FOR WALL INFILL
- REMOVE BERM & POURED IN-PLACE CONCRETE MOW STRIP - PROTECT WALL & WINDOW SYSTEM - F.V. RE: CIVIL & LANDSCAPE PLANS
- REMOVE EXISTING LOCKERS AND CONCRETE BASE AS NOTED - REPLACE MISSING OR DAMAGED FLOOR TILES AS REQ'D
- UNEARTH LOWER PORTION OF EXIST. COLUMN & PREP FOR NEW EIFS FINISH TO MATCH EXISTING - F.V.
- SCARIFY EXISTING SLOPED FLOOR SLAB TO RECEIVE NEW CONCRETE FLOOR RE: STRUCTURAL
- REMOVE AND SALVAGE EXISTING FLOOR HATCH. PREPARE FOR REINSTALLATION IN NEW FLOOR
- REMOVE EXISTING RADIANT HEATER. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- REMOVE EXISTING GRILLE & CONCRETE LANDING SLAB, PREP FOR NEW CONCRETE SLAB OVER EXISTING TUNNEL RE: STRUCTURAL
- REMOVE EXISTING WINDOWS, PREP OPENINGS FOR NEW CLERESTORY WINDOW SYSTEM - INFILL EXISTING OPENING W/ LIKE MATERIALS & PAINT - F.V.
- REMOVE EXISTING WALL GRILLE - INFILL EXISTING OPENING W/ LIKE MATERIAL - F.V.
- REMOVE EXISTING CABINETS. PATCH WALL AND FLOOR, FINISH WITH LIKE MATERIALS
- PREP ROOM FOR NEW SHIPS LADDER RE STRUCTURAL FOR ROOF FRAMING MODIFICATIONS REQ'D
- REMOVE EXISTING CEILING AS REQ'D FOR MODIFICATION OF ROOF FRAMING RE STRUCTURAL - F.V.
- REMOVE EXISTING SLOPE & SCARIFY RE STRUCTURAL - F.V.
- REMOVE EXISTING RCP AS REQUIRED FOR NEW CONSTRUCTION - F.V.



E1 PARTIAL REFLECTED CEILING DEMO PLAN - CLASSROOM
SCALE: 1/8" = 1'-0"



E3 PARTIAL REFLECTED CEILING PLAN - CLASSROOM
SCALE: 1/8" = 1'-0"

KEYNOTES - CEILINGS

- EXISTING GYPSUM BOARD CEILING - PROVIDE MUD, TAPE & PAINT CEILING & WALLS - F.V.
- MODIFY EXISTING CEILING & FRAMING FOR NEW SHIPS LADDER RE STRUCTURAL - F.V.
- GUTTER SYSTEM & DOWNSPOUT
- REPLACE EXISTING CEILING AS REQ'D FROM MODIFICATION OF ROOF FRAMING
- REPAIR OR REPLACE EXISTING RCP AS REQUIRED FOR NEW CONSTRUCTION - F.V.

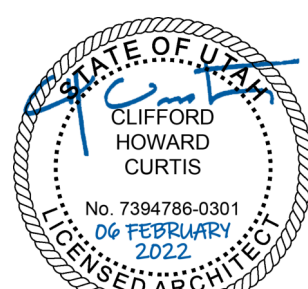


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MHTN PROJECT NO: 2023554.01

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LAST REVISION DATE

NO.	DATE	DESCRIPTION
1	02/25/2024	Addendum #1
2	03/05/2024	Addendum #2

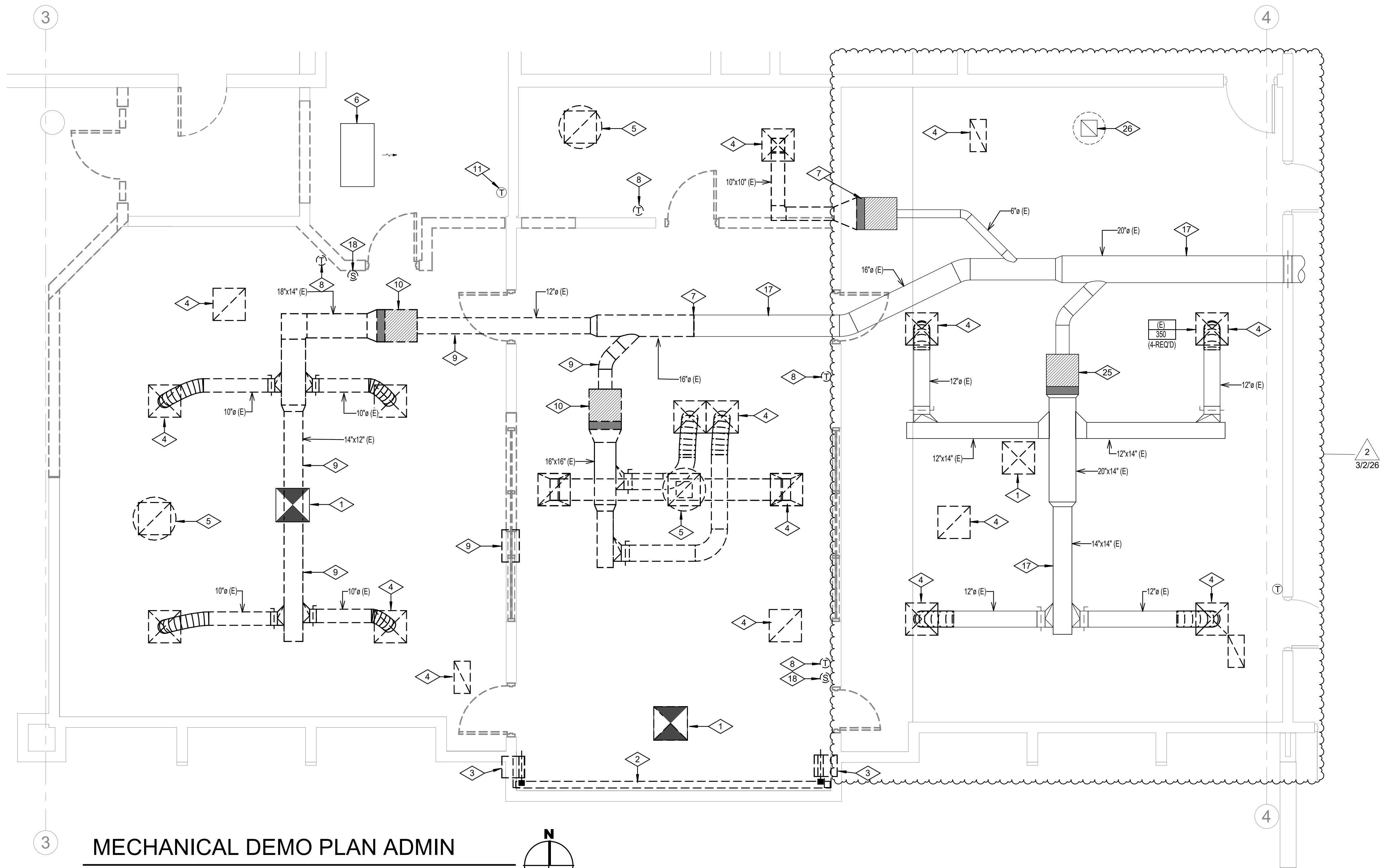
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CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
CLASSROOM
REFLECTED
CEILING PLANS -
BID ALT 1

SHEET NUMBER

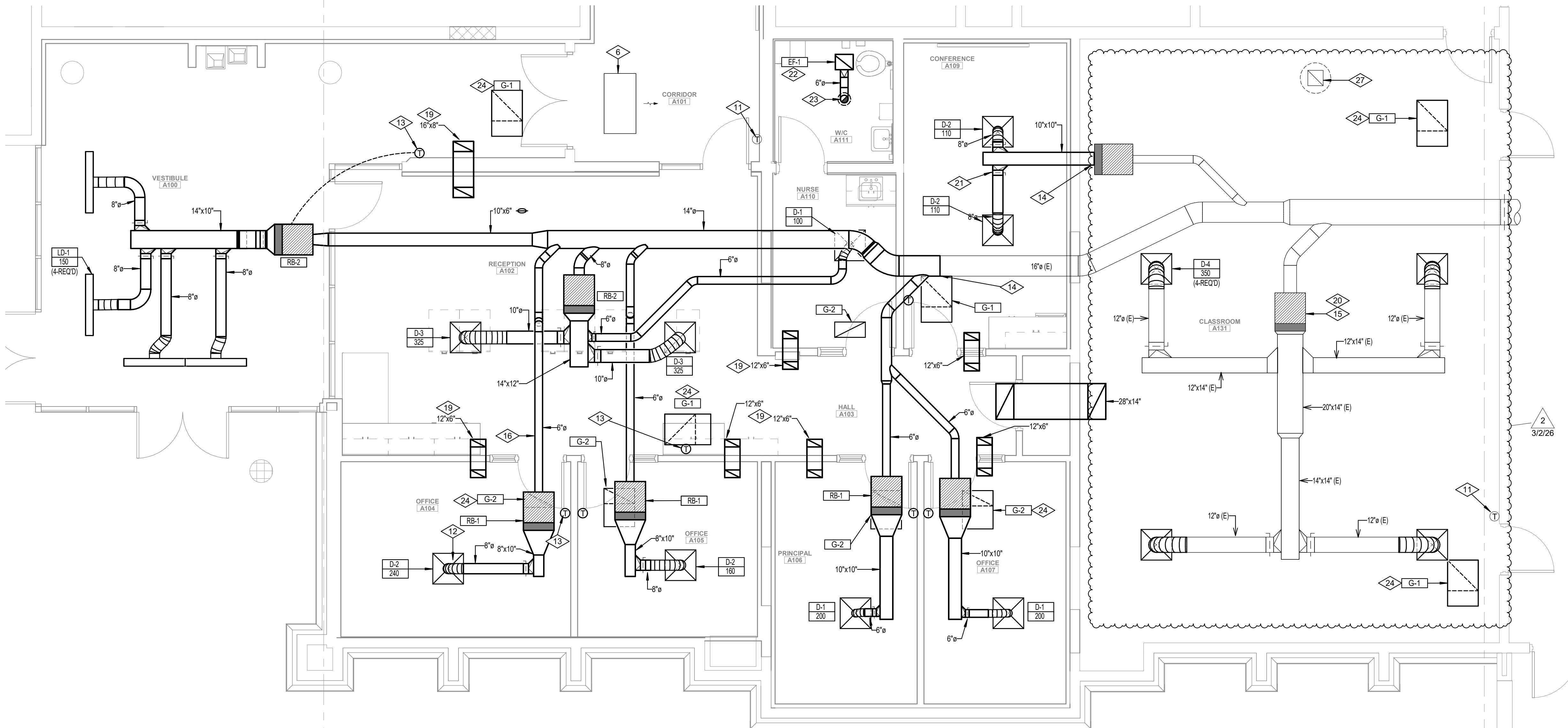
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Autodesk Docs (2023)0554 - SUSD School Projects (Blanding) ES - MHS - ARL JMS - MCES - SJH/MECH 24 ARL SECURE VESTIBULE 14
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MECHANICAL DEMO PLAN ADMIN

0 2' - 0" 4' - 0" 8' - 0"
SCALE: 1/4" = 1'-0"

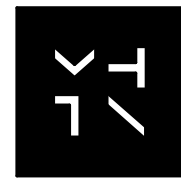


MECHANICAL PLAN ADMIN

0 2' - 0" 4' - 0" 8' - 0"
SCALE: 1/4" = 1'-0"

REFERENCE NOTES

- CAP EXISTING EVAP COOLER PENETRATION BELOW DECK. REMOVE DUCTWORK AND DIFFUSER.
- REMOVE EXISTING FIN TUBE HEATER COMPLETE.
- REMOVE EXISTING MOTORIZED DAMPER AND PATCH WALL.
- REMOVE EXISTING GRILLE/DIFFUSER (TYPICAL).
- REMOVE EXISTING EXHAUST FAN & RELATED ITEMS COMPLETE.
- EXISTING HEATER TO REMAIN.
- REMOVE DUCTWORK TO APPROXIMATELY THIS LOCATION.
- REMOVE EXISTING THERMOSTAT COMPLETE.
- REMOVE EXISTING DUCTWORK BACK TO MAIN.
- REMOVE EXISTING VAV COMPLETE.
- EXISTING THERMOSTAT TO REMAIN.
- FLEXIBLE DUCTWORK (TYPICAL). MAXIMUM LENGTH 5'-0".
- WALL MOUNTED TEMPERATURE SENSOR TO BE MOUNTED 48" ABOVE FLOOR (TYPICAL).
- CONNECT TO EXISTING DUCTWORK AT APPROXIMATELY THIS LOCATION.
- EXISTING HVAC EQUIPMENT TO REMAIN.
- DUCTWORK TO RUN ABOVE CEILING (TYPICAL).
- EXISTING DUCTWORK TO REMAIN.
- REMOVE EXISTING SENSOR COMPLETE.
- TRANSFER AIR DUCT. SEE DETAIL 8/M601.
- REBALANCE VAV REHEAT BOX TO LISTED CFM.
- HIGH EFFICIENCY TAKE OFF FITTING WITH VOLUME CONTROL BALANCING DAMPER.
- CEILING EXHAUST FAN. SEE DETAIL 1/M601.
- DUCT THRU ROOF. SEE DETAIL 2/M601.
- SOUND BOOT AT RETURN AIR GRILLE (TYP). SEE DETAIL 7/M601.
- EXISTING VAV TO REMAIN.
- IF PRESENT, REMOVE GRILLE FROM EXISTING EXHAUST FAN AND STORE IN A SAFE PLACE FOR RE-INSTALLATION.
- IF PRESENT, REINSTALL EXISTING EXHAUST FAN GRILLE INTO NEW CEILING SYSTEM.



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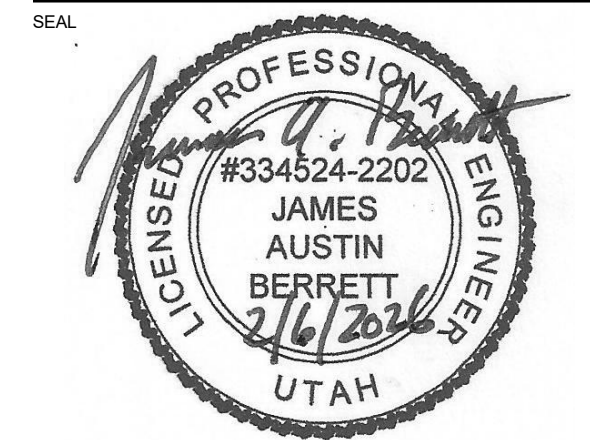
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NO.	DATE	DESCRIPTION
1	2/20/26	Addendum 1
2	3/2/26	Addendum 2

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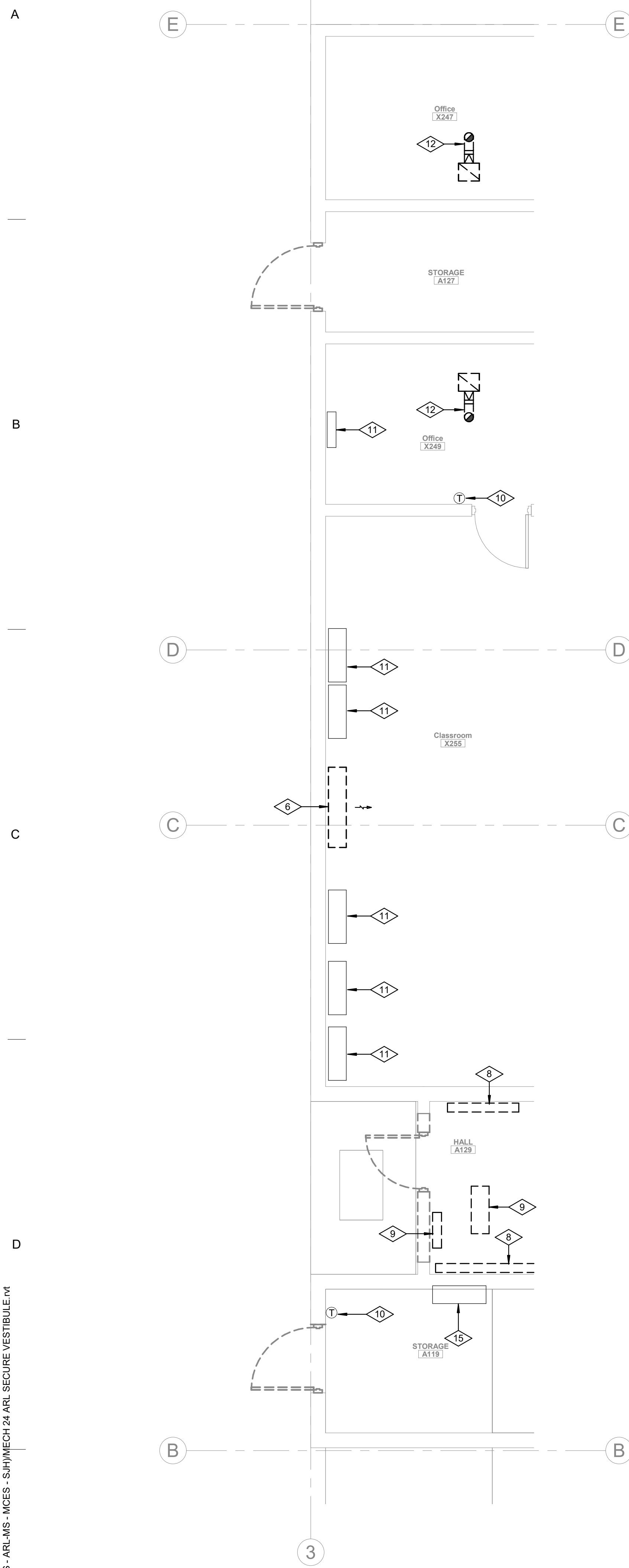
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MECHANICAL PLAN ADMIN

SHEET NUMBER

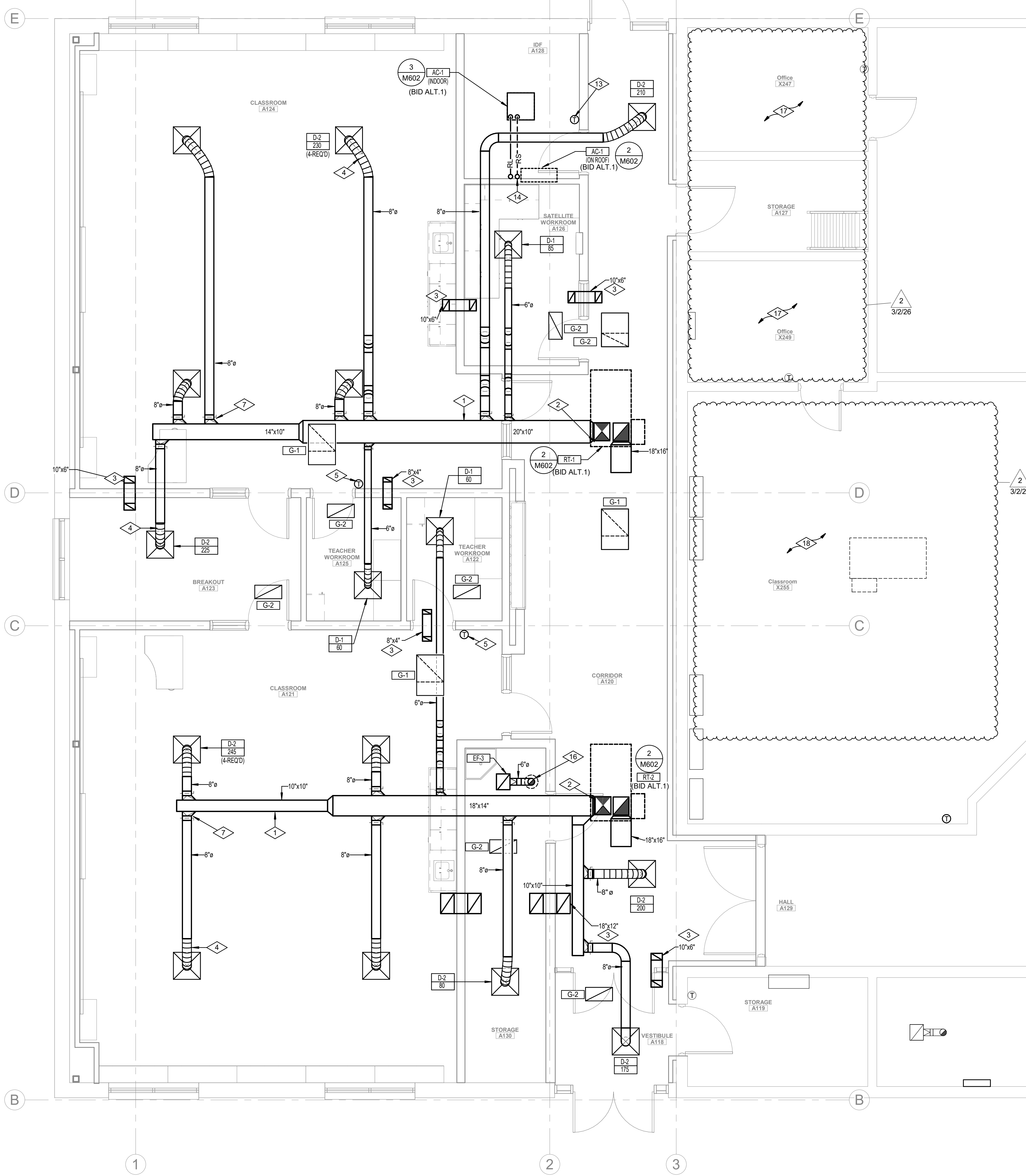
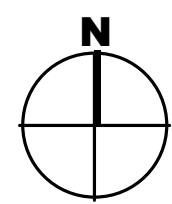
M101

Autodesk Docs (2023)554 - SUSD School Projects (Bidding) ES - MHS - ARL JMS - MCES - SJH/MECH 24 ARL SECURE VESTIBULE 14
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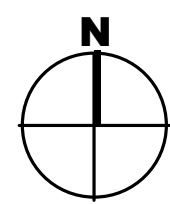
CLASSROOM MECHANICAL DEMO PLAN BID ALT.1

0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"



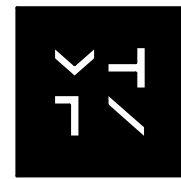
CLASSROOM MECHANICAL PLAN BID ALT.1

0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"



REFERENCE NOTES

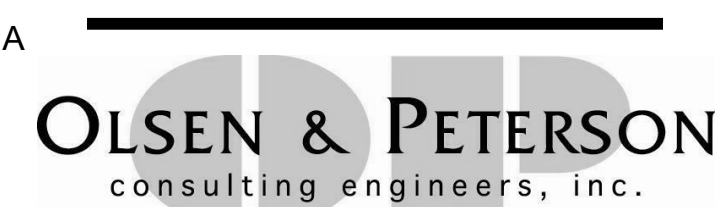
- DUCTWORK TO RUN ABOVE CEILING (TYPICAL).
- DUCT PENETRATIONS THRU ROOF AT ROOFTOP UNIT.
- TRANSFER AIR DUCT. SEE DETAIL 8/M601.
- FLEXIBLE DUCTWORK (TYPICAL). MAXIMUM LENGTH 5'-0".
- WALL MOUNTED TEMPERATURE SENSOR TO BE MOUNTED 48" ABOVE FLOOR (TYPICAL).
- REMOVE EXISTING VENTILATOR, DUCTWORK, AND O/A LOUVER. PATCH AND REPAIR WALL AS NEEDED.
- HET FITTING WITH BALANCING DAMPER (TYP).
- REMOVE EXISTING RADIANT HEATER AND CAP HEATING HOT WATER AT MAIN TO PRESERVE PIPING RUNS. PATCH AND REPAIR WALL AS NEEDED.
- REMOVE EXISTING INDOOR AND OUTDOOR AC UNITS, WITH ALL CONTROLS AND PIPING COMPLETE. PATCH AND REPAIR WALLS TO MATCH AS NEEDED.
- EXISTING THERMOSTAT TO REMAIN.
- EXISTING HEATER TO REMAIN.
- REMOVE EXISTING EXHAUST FAN, EXHAUST DUCTWORK THRU ROOF, GRILLE, AND EXHAUST CAP. REPAIR ROOFING.
- NEW WALL MOUNTED HEATING/COOLING THERMOSTAT. THERMOSTAT TO BE MOUNTED 4'-0" AFF.
- REFRIGERANT LINES UP THRU ROOF. SEE DETAIL 3/M602.
- EXISTING FIN TUBE.
- DUCT RISE THRU ROOF. SEE DETAIL 2/M601.
- REMOVE ANY DIFFUSERS, GRILLES, AND FLEX DUCT IN THIS ROOM. REINSTALL GRILLES AND DIFFUSERS WITH NEW FLEX DUCT INTO NEW CEILING SYSTEM.
- IF REQUIRED DUE TO NEW CEILING, REMOVE ANY DIFFUSERS, GRILLES, AND FLEX DUCT IN THIS ROOM. REINSTALL GRILLES AND DIFFUSERS WITH NEW FLEX DUCT INTO NEW CEILING SYSTEM. COORDINATE WITH ARCHITECTURAL SHEETS.



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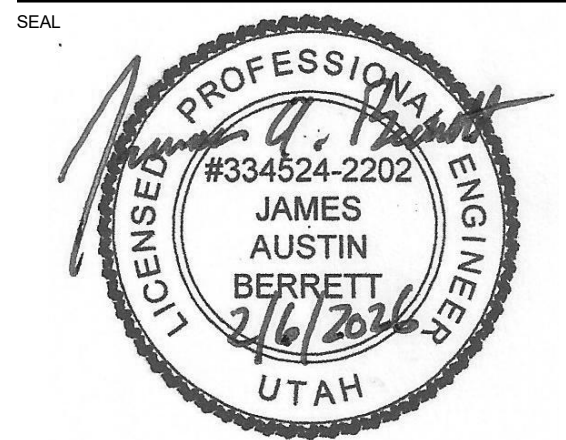
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2	3/2/26	Addendum 2

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SHEET NAME

CLASSROOM
MECHANICAL PLAN
BID ALT.1

SHEET NUMBER

M103

Autodesk Docs | 20230554 - SUSD School Projects (Blanding ES - MHS - ARL MS - MCES - SJH)MECH 24 ARL SECURE VESTIBULE 14
3/2/2025 9:44:41 AM

REFERENCE NOTES

- 1 APPROXIMATE LOCATION OF EXISTING WATERS IN TUNNEL.
- 2 REMOVE LAVATORY, WATER CLOSET, FLOOR DRAIN, AND ASSOCIATED PIPING BACK TO TUNNEL. CAP AT MAINS.
- 3 CONNECT TO EXISTING AT APPROXIMATELY THIS LOCATION IN TUNNEL. REPAIR PIPE INSULATION AT TIE IN.
- 4 PIPE TO RISE TO ABOVE CEILING.
- 5 PIPE TO RUN ABOVE CEILING. COORDINATE ROUTING WITH EXISTING CONDITIONS.
- 6 PIPING TO RUN BELOW FINISHED FLOOR.
- 7 BALL VALVE. VALVE TO BE ACCESSIBLE (TYP).
- 8 REMOVE EXISTING 2-COMPARTMENT SINK AND DEMO PIPING BACK INTO WALL, LEAVING CONNECTION POINTS FOR NEW SINK.
- 9 TIE INTO EXISTING WATERS FROM PREVIOUSLY EXISTING SINK.
- 10 TIE INTO EXISTING WASTE AND VENT FROM PREVIOUSLY EXISTING SINK.
- 11 REMOVE EXISTING WASHER BOX PIPING BACK INTO WALL AND CAP.
- 12 WALL CLEAN OUT (WCO). SEE DETAIL 2/P601.



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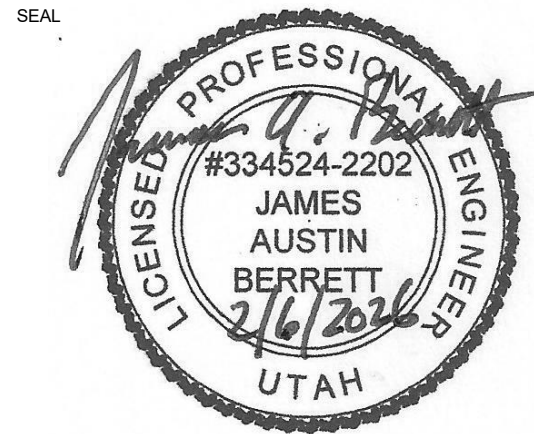
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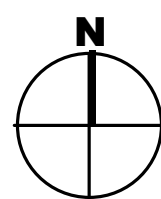
SHEET NAME
PLUMBING PLAN - COUNSELING

SHEET NUMBER

P102

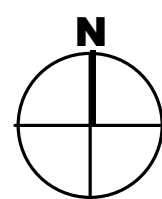
PLUMBING DEMO PLAN - COUNSELING

0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"



PLUMBING PLAN - COUNSELING

0 2'-0" 4'-0" 8'-0"
SCALE: 1/4" = 1'-0"



Autodesk Docs (2023)0554 - SUSD School Projects (Banding ES - MHS - ARLJMS - MCES - SJUVSUSD ARLJMS Secure Vestibule ELEC_V24_BIM300.rvt
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1
OVERALL ELECTRICAL DEMOLITION FLOOR PLAN
SCALE: 1/16" = 1'-0"

2
ENLARGED WEST ELECTRICAL ROOM FLOOR PLAN
SCALE: 1/4" = 1'-0"

3
ENLARGED GYMNASIUM JANITORS ROOM DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"

4
ENLARGED KITCHEN MAIN ELECTRICAL PANEL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL DEMOLITION NOTES:

- UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK, WHETHER SHOWN OR NOT.
 - RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND/OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
 - COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
 - FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

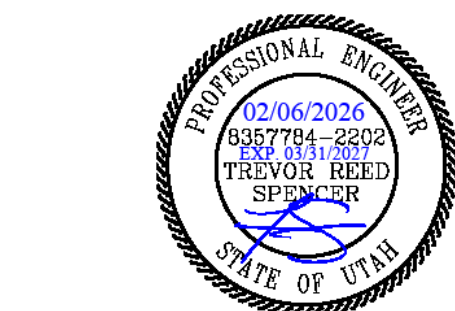
KEYED NOTES

- A1 REMOVE THE EXISTING FIXTURE UNDER ALTERNATE NO. 1. BASE BID REFER TO KEYED NOTE D5.
- D1 EXISTING DEVICES, LIGHT FIXTURES, CAMERAS, PANELS, CABLE TRAY, MECHANICAL EQUIPMENT, ETC. SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
- D2 EXISTING OUTLETS, LIGHT FIXTURES, FIRE ALARM, MECHANICAL EQUIPMENT, ETC. SHALL BE REMOVED. UTILIZE EXISTING CONDUIT AND CONDUCTORS AS POSSIBLE FOR NEW DEVICES IN AREA. REMOVE ANY ASSOCIATED ABANDONED CONDUIT AND CONDUCTORS BACK TO SOURCE.
- D5 REPLACE EXISTING FIXTURE WITH NEW IN THE SAME LOCATION. UTILIZE THE EXISTING CONDUIT, CONDUCTORS AS POSSIBLE. REMOVE ANY ABANDONED CONDUIT AND CONDUCTORS BACK TO SOURCE.

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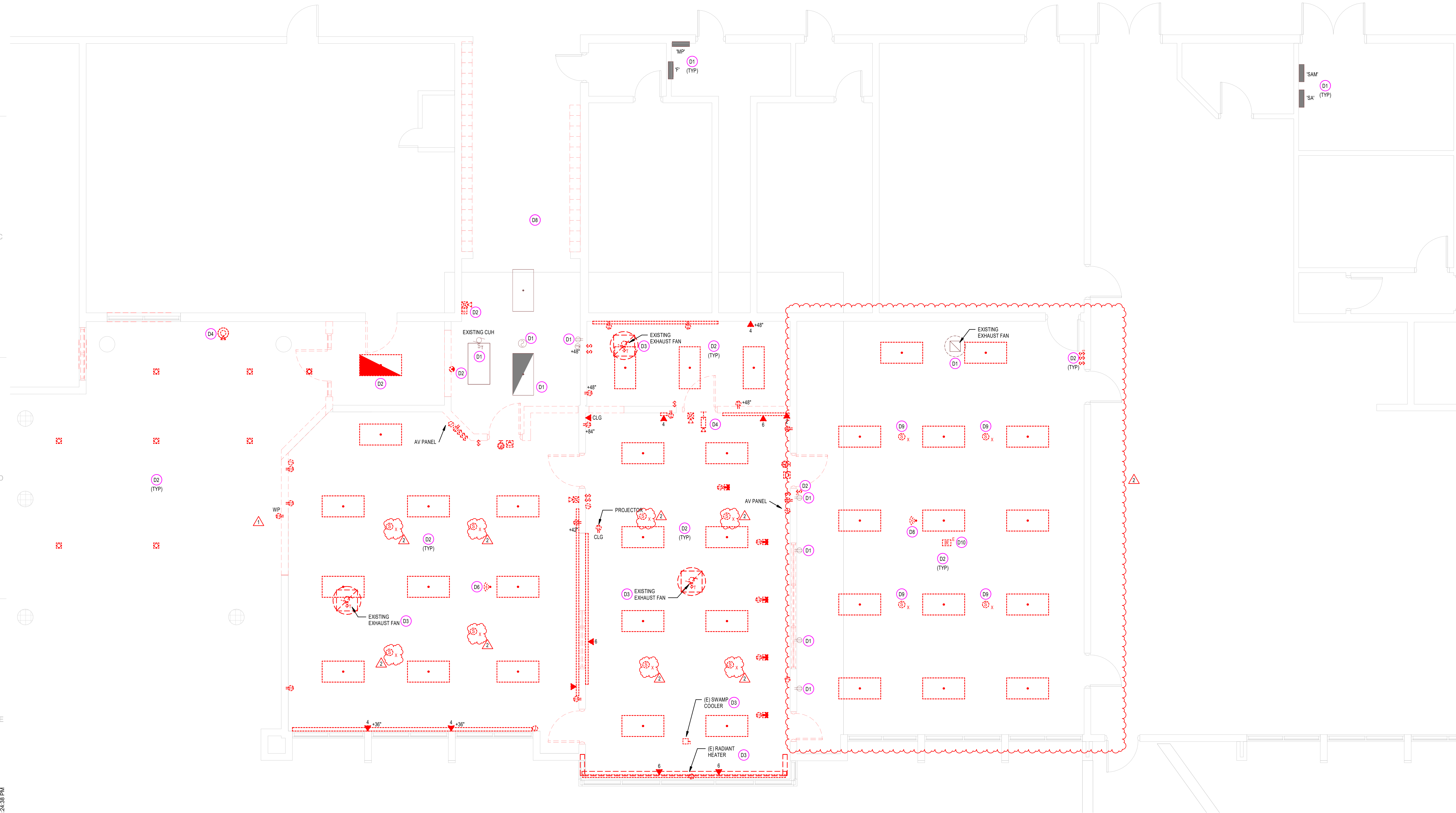
LAST REVISION DATE:

NO. DATE DESCRIPTION ADDENDUM NO. 02

2 03/02/25

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1 ADMIN DEMOLITION ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



KEYED NOTES

- D1 EXISTING DEVICES, LIGHT FIXTURES, CAMERAS, PANELS, CABLE TRAY, MECHANICAL EQUIPMENT, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
- D2 EXISTING OUTLETS, LIGHT FIXTURES, FIRE ALARM, MECHANICAL EQUIPMENT, ETC., SHALL BE REMOVED. UTILIZE EXISTING CONDUIT AND CONDUCTORS AS POSSIBLE FOR NEW DEVICES IN AREA. REMOVE ANY ASSOCIATED ABANDONED CONDUIT AND CONDUCTORS BACK TO SOURCE.
- D3 EXISTING MECHANICAL UNIT SHALL BE REMOVED BY THE MECHANICAL CONTRACTOR. DISCONNECT POWER AND REMOVE ANY ASSOCIATED ABANDONED CONDUIT AND CONDUCTORS BACK TO SOURCE.
- D4 THE OWNER WILL REMOVE THE EXISTING CAMERAS. CONTRACTOR TO REMOVE THE ASSOCIATED J-BOXES, CONDUIT AND CONDUCTORS BACK TO SOURCE.
- D6 THE OWNER SHALL REMOVE THE EXISTING WIRELESS ACCESS DEVICE. CONTRACTOR TO REMOVE THE ASSOCIATED CATEGORY CABLE BACK TO THE SOURCE.
- D8 EXISTING CEILING SHALL BE REMOVED. REMOVE THE EXISTING DEVICES FROM THE CEILING. REMOVE FROM CEILING AND TEMPORARILY PROTECT AND SUPPORT FROM THE STRUCTURE UNTIL NEW CEILING CAN BE INSTALLED. DRAWINGS REFLECT THE BEST INFORMATION FROM THE RECORD DRAWINGS THAT ARE AVAILABLE. FIELD VERIFY THE EXACT LOCATION AND QUANTITY OF DEVICES TO BE REMOVED.
- D9 REMOVE EXISTING VOICE LIFT CEILING SPEAKER, AN TILE BRIDGE, AND STORE FOR RE-INSTALLATION FOLLOWING CEILING REPLACEMENT. NEATLY COIL SPEAKER CABLE IN CEILING AND PROTECT FROM DAMAGE DURING CONSTRUCTION.
- D10 REMOVE EXISTING VOICE LIFT IR MICROPHONE RECEIVER, AND STORE FOR RE-INSTALLATION FOLLOWING CEILING REPLACEMENT. NEATLY COIL CABLE IN CEILING AND PROTECT FROM DAMAGE DURING CONSTRUCTION.

GENERAL DEMOLITION NOTES:

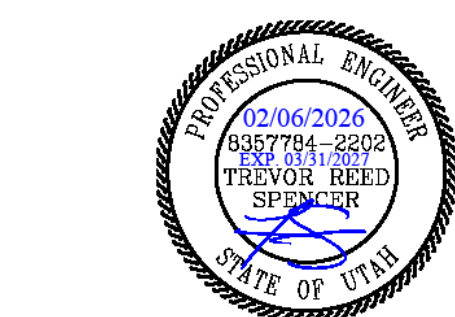
1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE EXTENT OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
- A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
- B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
- C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
- D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER KNOCK-OUT CLOSURE, TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
- E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE AND OR PROVIDE NEW CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
- F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
- G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
- H. COORDINATE WITH OWNER WHAT EQUIPMENT SHOULD BE DISPOSED OF AND WHAT EQUIPMENT IS TO BE RETURNED TO OWNER.
- I. FIRE ALARM SYSTEM MUST REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.

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ENV-2023-208.3

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MHTN PROJECT NO. 2023554.01

Original drawing is 30" x 42". Do not scale contents of this drawing.

REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	03/05/25	ADDENDUM NO. 01
2	03/05/25	ADDENDUM NO. 02

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

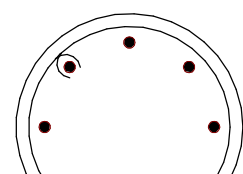
SHEET NAME
ADMIN DEMOLITION
ELECTRICAL PLAN

SHEET NUMBER

ED102

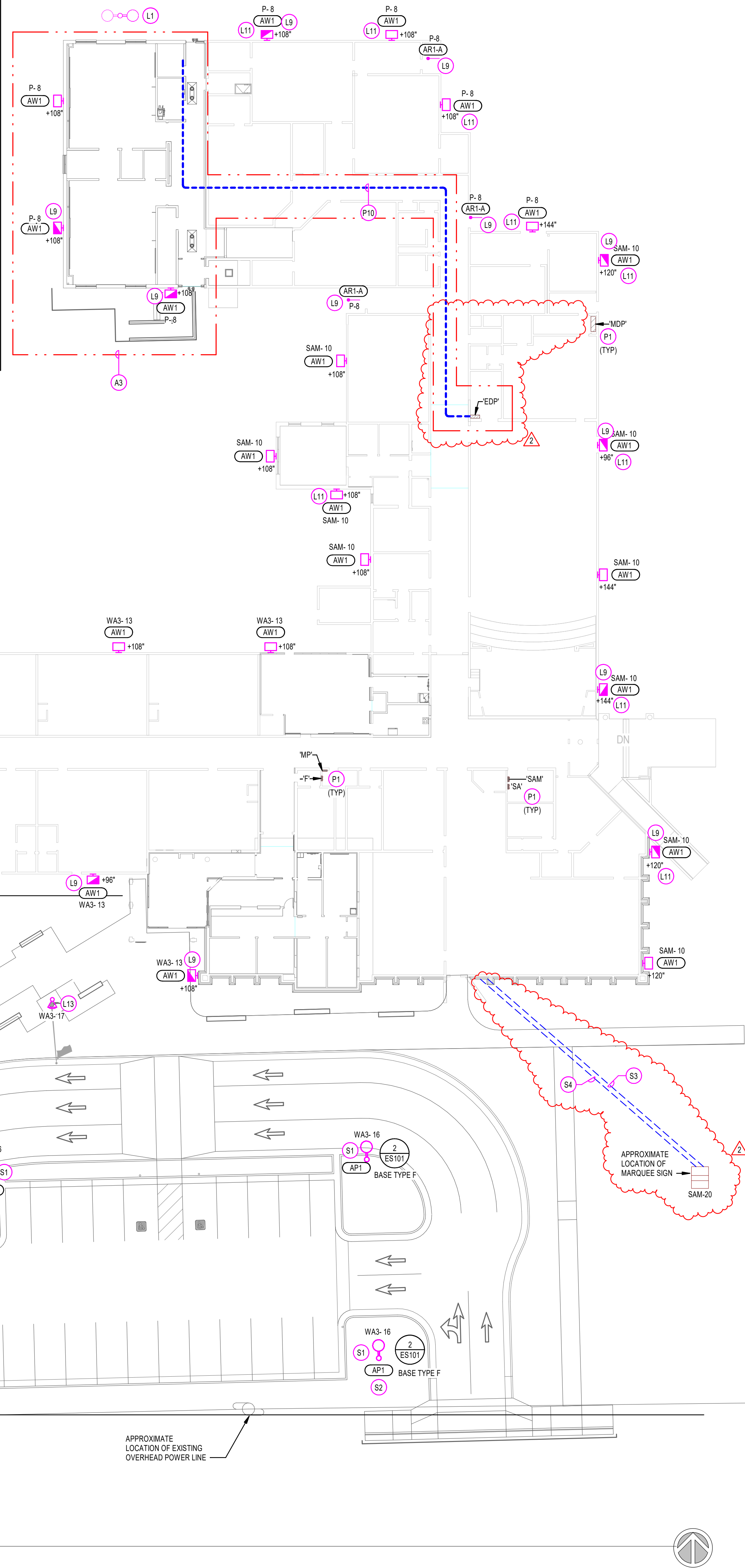
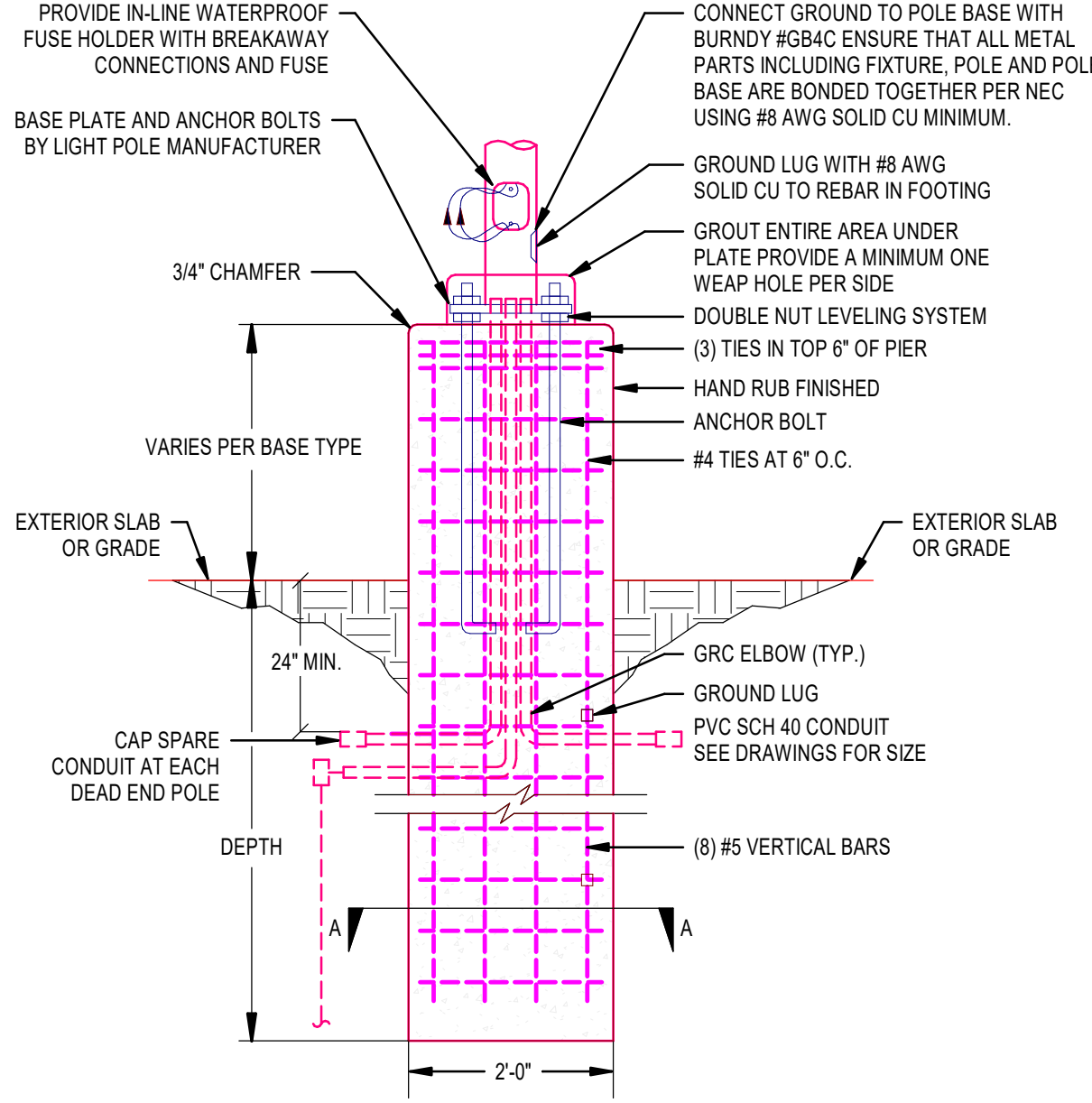
LIGHT POLE MOW STRIP AND CONCRETE BASE REQUIREMENTS				
BASE TYPE	POLE BASE DESCRIPTION	MOW STRIP REQUIRED (6" W X 3' D)	BASE HEIGHT ABOVE GRADE (INCHES)	DISTANCE FROM SIDEWALK/BIKEWAY/LOT OR BACK OF CURB "A" (INCHES)
A	PLANTING AREA	NO	12	N/A
B	NEAR SIDEWALK (PLANTING AREAS)	NO	12	6
C	NEAR SIDEWALK (HARDSCAPE AREAS)	NO	12	6
D	NEAR BIKEWAY (PLANTING AREAS)	NO	12	18
E	NEAR BIKEWAY (HARDSCAPE AREAS)	NO	12	18
F	PARKING LOT (INTERIOR TO LOT OR WITHIN 24" OF BACK OF PARKING LOT CURB)	YES	30	30
G	ROADWAY	YES	12	12

NOTE: DESIGN SHOWN FOR CONCRETE POLE BASE IS SHOW FOR INFORMATIONAL PURPOSES ONLY TO CONVEY THE NECESSARY REQUIREMENTS. CONTRACTOR SHALL BE REQUIRED TO PROVIDE A POLE BASE DESIGN AND ASSOCIATED STRUCTURAL CALCULATIONS AND SUBMIT THEM AS A DEFERRED SUBMITTAL FOR REVIEW. THE DESIGN SHALL BE STAMPED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF UTAH, AND SHALL BE BASED UPON THE ACTUAL POLES, FIXTURES, SOIL CONDITIONS, WIND SPEED, ETC.



POLE HEIGHT	FTG DEPTH	FTG DEPTH
8'-0"	4'-0"	4'-0"
12'-0"	4'-0"	5'-0"
20'-0"	5'-0"	6'-0"
30'-0"	6'-0"	7'-0"
40'-0"	6'-0"	8'-0"
60'-0"	7'-0"	9'-0"

DESIGN CRITERIA:
2018 IBC
Ss = 2.0, SOIL SITE CLASS D
LATERAL SOIL BRG = 100 PSF
ASSUMED 4.0 FT' AT TOP POLE

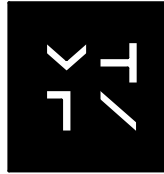


SITE GENERAL NOTES:

- PROVIDE ALL REQUIRED BACKFILL, ETC. FOR ALL CONDUITS. PROVIDE REQUIRED BACKFILL MATERIAL AS DIRECTED BY EACH UTILITY.
- COORDINATE ALL LOCATIONS AND ROUTING WORK IN THE FIELD.
- ROUTE CONDUITS A MINIMUM OF 2' BELOW GRADE.
- MINIMUM CONDUIT FOR SITE WORK SHALL BE 1".
- CONDUIT ROUTING SHOWN IS SCHEMATIC AND FOR CLARIFICATION COORDINATE LOCATION WITH ALL AFFECTED TRADES.
- PROVIDE A MINIMUM OF 12" SEPARATION BETWEEN POWER AND COMMUNICATION CONDUITS.
- ALL CONDUITS THAT EXTEND THROUGH CONCRETE SHALL BE GALVANIZED RIGID CONDUIT AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.
- ALL ELBOWS THAT ARE UNDER THE FINISHED GRADE SHALL BE GALVANIZED RIGID CONDUIT AND WRAPPED WITH TWO (2) LAYERS OF PVC TAPE.

KEYED NOTES

- A3 PROVIDE THE INDICATED ITEMS UNDER BID ALTERNATE NO. 1.
- L1 EXISTING DEVICES, LIGHT FIXTURES, CAMERAS, PANELS, TRANSFORMERS, MECHANICAL EQUIPMENT, ETC. SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
- L9 PROVIDE 90 MINUTE EMERGENCY COLD WEATHER BATTERY PACK UNIT FOR THE DESIGNATED EMERGENCY LIGHTS. THE EMERGENCY LIGHT TO UNSWITCHED LIGHTING CIRCUIT FOR AUTOMATIC OPERATION UPON COMMERCIAL POWER FAILURE. TIE TO THE EXISTING CIRCUIT THROUGH THE EXISTING TIME CLOCK. CONTRACTOR TO VERIFY THE EXISTING CIRCUIT.
- L11 REPLACE EXISTING FIXTURE WITH NEW IN THE SAME LOCATION. UTILIZE THE EXISTING CONDUIT, CONDUCTORS AS POSSIBLE. TIE TO THE EXISTING CIRCUIT THROUGH THE EXISTING TIME CLOCK.
- L13 PROVIDE CIRCUIT TO THE FLAG POLE. COORDINATE STUB UP LOCATION WITH THE GENERAL CONTRACTOR. TIE TO NEW CONTRACTOR TIED TO EXISTING TIME CLOCK SIMILAR TO EXTERIOR POLE LIGHTS.
- P1 EXISTING DEVICES, PANELS, TRANSFORMERS, ETC. SHALL REMAIN. MAKE ANY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
- P10 REFER TO THE SUGGESTED CONDUIT ROUTE TO PROVIDE POWER TO THE NEW ADDITION. CONTRACTOR SHALL VERIFY ROUTE THROUGH ACCESSIBLE LAY-IN CEILING.
- S1 NEW LIGHT POLE. REFER TO THE DETAIL FOR MORE INFORMATION. TIE TO THE LOCATION INDICATED THROUGH THE EXISTING LIGHTING EXTERIOR LIGHT CONTACTOR. UTILIZE #8 AWG. IN A 1" CONDUIT MINIMUM. PROVIDE SAW CUTTING, TRENCHING, BACKFILL, PATCH, AND REPAIR AS REQUIRED. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
- S2 VERIFY DISTANCE TO THE ROCKY MOUNTAIN OVERHEAD POWER LINE IS MAINTAINED PRIOR TO ROUTING IN OF THE SITE LIGHT POLES.
- S3 RE-CONNECT THE POWER TO THE EXISTING MARQUEE. PROVIDE 1" CONDUIT MINIMUM FOR THE NEW CONDUIT 24" BELOW GRADE IN THE APPROXIMATE LOCATION SHOWN. COORDINATE THE EXACT LOCATION WITH OTHER TRADES. THE ARCHITECT AND THE OWNER. RUN CONDUIT ABOVE THE CEILING BACK TO THE CONTACTOR/PANELBOARD. PROVIDE TRENCHING, BACKFILL, AND PATCHING OF GRADE AS REQUIRED.
- S4 PROVIDE A SECOND 1" CONDUIT FOR EXISTING DATA CABLES TO THE MARQUEE. PROVIDE CATEGORY CABLE FROM THE NEAREST MDF/IDF ROOM TO THE MARQUEE. TERMINATE BOTH ENDS OF THE CABLES WITH APPROPRIATE CONNECTORS. COORDINATE THIS WORK CLOSELY WITH THE OWNER'S IT DEPARTMENT. PROVIDE TRENCHING, BACKFILL, AND PATCHING OF GRADE AS REQUIRED.



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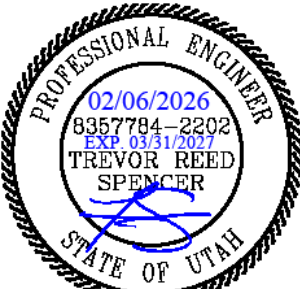
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SAN JUAN SCHOOL DISTRICT ALBERT R LYMAN MIDDLE SCHOOL SECURITY UPGRADES

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MHTN PROJECT NO: 2023554.01

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REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	03/08/23	ADDENDUM NO. 02

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
**SITE PLAN
ELECTRICAL**

SHEET NUMBER

ES101

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1 ADMIN LIGHTING PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES

- L1 EXISTING DEVICES, LIGHT FIXTURES, CAMERAS, PANELS, TRANSFORMERS, MECHANICAL EQUIPMENT, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
- L2 CONTRACTOR TO VERIFY EXISTING CIRCUIT IN ROOM. EXTEND AS REQUIRED FOR NEW LIGHT FIXTURE INSTALLATION.
- L3 PROVIDE 90 MINUTE EMERGENCY BATTERY PACK UNIT FOR THE DESIGNATED EMERGENCY LIGHTS. THE EMERGENCY LIGHT TO UNSWITCHED LIGHTING CIRCUIT AND ONE LAMP FOR AUTOMATIC OPERATION UPON COMMERCIAL POWER FAILURE.
- L5 PROVIDE PIR TYPE OCCUPANCY/VACANCY SENSOR. REFER TO THE REFERENCED LIGHTING CONTROL WIRING DIAGRAM FOR MORE INFORMATION.
- L6 PROVIDE DUAL-TECHNOLOGY OCCUPANCY/VACANCY SENSOR. REFER TO THE REFERENCED LIGHTING CONTROL WIRING DIAGRAM FOR MORE INFORMATION.
- L8 DAYLIGHT CONTROL IS NOT REQUIRED IN THIS SPACE DUE TO HAVING LESS THAN 150 W.
- L9 PROVIDE 90 MINUTE EMERGENCY COLD WEATHER BATTERY PACK UNIT FOR THE DESIGNATED EMERGENCY LIGHTS. THE EMERGENCY LIGHT TO UNSWITCHED LIGHTING CIRCUIT FOR AUTOMATIC OPERATION UPON COMMERCIAL POWER FAILURE. TIE TO THE EXISTING CIRCUIT THROUGH THE EXISTING TIME CLOCK. CONTRACTOR TO VERIFY THE EXISTING CIRCUIT.
- L10 DAYLIGHT CONTROL IS NOT REQUIRED IN THIS SPACE DUE TO THE EXTERIOR CANOPY OVERHANG.

LIGHTING GENERAL NOTES.

1. REFER TO LIGHTING DETAILS SHEETS FOR TYPICAL CONTROL WIRING DIAGRAMS. PROVIDE COMPLETE SYSTEM WITH ALL REQUIRED CONDUIT, WIRING, SWITCHES, SENSORS, POWER PACK, ETC.
2. LOCATE POWER PACKS AND ROOM CONTROLLERS ABOVE ACCESSIBLE CEILING NEAR ROOM ENTRANCES.
3. CONFIRM ALL LOCATIONS OF LIGHT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
4. PROVIDE UNSWITCHED HOT FOR ALL EMERGENCY LIGHTS AND BATTERY PACKS.



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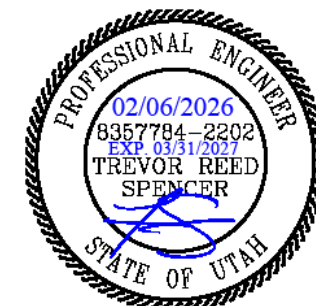
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MHTN PROJECT NO. 2023554.01

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

LAST REVISION DATE

NO.	DATE	DESCRIPTION
1	03/02/25	ADDENDUM NO. 01
2	03/02/25	ADDENDUM NO. 02

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
ADMIN LIGHTING
PLAN

SHEET NUMBER

EL102

1. NO EXPOSED COMMUNICATIONS CONDUIT ALLOWED IN BUILDING UNLESS APPROVED IN ADVANCED BY OWNER/ARCHITECT.
2. ALL TELECOMMUNICATIONS OUTLETS SHALL BE LABELED IN ACCORDANCE WITH TIA/EIA 606-B. LABELING SHALL BE PROVIDED AT BOTH THE OUTLET AND THE TERMINATING END IN THE COMMUNICATIONS ROOM.
3. ALL DATA OUTLETS SHALL COMPLY WITH TIA/EIA 568 1-D, AND TIA/EIA 568-D, AND BE WIRED IN ACCORDANCE WITH TIA/EIA T568-C-2.
4. ALL CONDUIT FOR TELECOMMUNICATIONS PURPOSES SHALL BE EMT AND SHALL BE SIZED TO ACCORDANCE WITH TIA/EIA 568-D. MINIMUM CONDUIT SHALL BE 1/2" IN DIAMETER. CONDUIT SHALL BE LABELED IN ACCORDANCE WITH TIA/EIA 606-B. ALL TELECOMMUNICATIONS CABLE SHALL BE 1". CONDUIT SHALL NOT BE FILLED TO GREATER THAN 50% OF ITS MAXIMUM CABLE CARRYING CAPACITY.
5. THE DIVISION 37 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATION, CONDUIT, AND CABLE TRAY RUN.
6. PROVIDE 48 PORT PATCH PANELS AS REQUIRED PLUS 25% SPARE CAPACITY FOR FUTURE.
7. PROVIDE SURGE PROTECTION FOR CABLE QUANTITY AS REQUIRED FOR ALL COPPER CABLE ENTERING BUILDING.
8. ALL EQUIPMENT, CABINETS, WIRE MANAGEMENT, ETC. IS PROVIDED BY CONTRACTOR UNLESS NOTED OTHERWISE.
9. PROVIDE TALLER WALL MOUNTED CABINET AS NECESSARY FOR REMOTE TRPS BASED UPON TOTAL RACK UNITS (RU) SPACE REQUIRED.
10. LRU = LIFT/INSERT UNIT.

1. ALL 120V, 20AMP OUTLETS THAT ARE WITHIN 6' OF ANY SINK SHALL BE GFCI.
2. THE DIVISION 26 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS AND CONDUIT RUNS.
3. CONDUITS RUNNING BELOW FLOOR SLAB SHALL RUN 8" BELOW BOTTOM OF SLAB.
4. REFER TO ELEVATION VIEWS FOR MORE INFORMATION ON HEIGHTS, ORIENTATION AND LOCATION OF DEVICES.
5. ALL OUTLETS AND THEIR COVERPLATES, LOCATED IN THE CLASSROOMS, SHALL BE TAMPER PROOF TYPE.

P1 EXISTING DEVICES, PANELS, TRANSFORMERS, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.

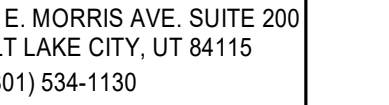
P2 TIE THE ADA OPERATOR TO THE CIRCUIT SHOWN THROUGH THE CARD ACCESS SYSTEM. REFER TO THE ACCESS CONTROL ROUGH-IN DETAILS FOR ADDITIONAL INFORMATION.

P3 PROVIDE A POWER PACK FOR EACH WATER COOLER BRANCH CIRCUIT. PROGRAM POWER PACKS TO SWITCH OFF ELECTRIC WATER COOLERS AT 11:00 PM AND ON AT 6:00 AM OR AS OTHERWISE REQUIRED BY THE OWNER.

P4 COORDINATE INSTALLATION OF DEVICES, SAW CUTTING OF THE FLOOR, CONDUIT ROUTES, AND STUB UP LOCATIONS IN MILLWORK WITH THE MECHANICAL SUPPLIER, GENERAL CONTRACTOR AND THE ARCHITECT PRIOR TO ROUGH IN.

P5 WIRELESS ACCESS POINT DEVICE IS FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED BY THE CONTRACTOR. PROVIDE BISCUIT JACKS ABOVE THE CEILING AND (2) CAT6A CABLE. PROVIDE LABEL ON THE CEILING GRID WHERE BISCUIT JACKS ARE INSTALLED.

P12 FLOOR SHALL BE SAW CUT TO THE FRONT WALL WHERE THE MONITOR IS LOCATED. COORDINATE SAW CUTTING AND FLOOR REPAIR WITH THE GENERAL CONTRACTOR.



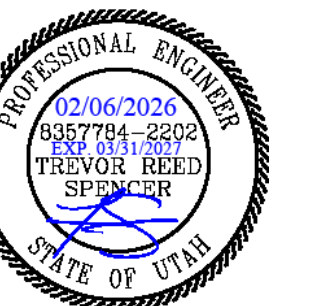
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ALBERT R LYMAN MIDDLE SCHOOL
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REVISIONS
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▲ PLATE DESCRIPTION

NO. Δ	DATE	DESCRIPTION
1	02/20/26	ADDENDUM NO. 01

2	03/02/28	ADDENDUM NO. 02

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

06 FEBRUARY 2020

SHEET NAME _____

ADMIN POWER

FLOOD PLAN

FLOOR PLAN

SHEET NUMBER

FD-100

FP102

LI 102

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LOAD SUMMARY - EXISTING 120/208V, 1200 AMP, 3 PH.			
DESCRIPTION	LOAD (KVA)	LOAD (AMPS)	
EXISTING LOAD (PEAK DEMAND)	118.5	328.9	
EXISTING LOAD X 1.25%	148.1	411.2	
NEW ADDED LOADS (ADDITION)	42.6	119.2	
TOTAL NEW SERVICE LOAD	190.7	529.3	
* PEAK DEMAND VALUE WAS RECEIVED FROM POWER BILLS PROVIDED BY THE OWNER ON FEBRUARY 2024 AT 84.8KW. WE ARE ASSUMING 0.8 POWER FACTOR			

FEEDER SCHEDULE									
FEEDER	FEEDER TYPE	# OF SETS	CONDUIT DIAMETER	CONDUCTOR #	SIZE	EQ GND COND	ISOLATED GROUND	SYSTEM BONDING	
A200	4S	1	2-1/2"	4	250	6	-	-	
A225	4S	1	3	4	300	4	-	-	
A400	4S	2	2-1/2"	4	250	3	-	-	
C100	4S	1	2	4	1	8	-	-	
C200	4S	1	2-1/2"	4	250	6	-	-	

EQUIPMENT SCHEDULE																			
UNIT NAME		ELECTRICAL INPUT								FEEDER				DISCONNECT / CONNECTION AT UNIT					
TYPE	No.	DESCRIPTION	LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	WIRE SIZE	WIRE EQPT GND	NOTE	CONNECTION TYPE	SIZE	POLES	DISCONNECT SIZE	POLES	REMARKS	
LFT	WT																		
	1	CHANGING LIFT	1.5	FLA	120 V	1		1	3/4"	2	12	12	13A						COORDINATE LOCATION OF OUTLET WITH EQUIPMENT SUPPLIER
	1	CHANGING WALL TABLE	1.5	FLA	120 V	1		1	3/4"	2	12	12	13A						COORDINATE LOCATION OF OUTLET WITH EQUIPMENT SUPPLIER

MECHANICAL EQUIPMENT SCHEDULE																				
UNIT NAME		ELECTRICAL INPUT							FEEDER			STARTER / DISCONNECT / CONNECTION AT UNIT							ENCLOSURE	REMARKS
TYPE	No.	DESCRIPTION	LOAD	TYPE	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	QTY	SIZE	WIRE EQPT GND	NOTE	STARTER SIZE	OCB SIZE	POLES	DISCONNECT SIZE	POLES		
AC	1.1	AC SPLIT SYSTEM	1	MCA	208 V	1	1 A	1	3/4"	2	12	12	1A							
AC	1.1	AC SPLIT SYSTEM - OUTDOOR	13	MCA	208 V	1	13 A	1	3/4"	2	10	10	10A		30	2	30	2	NEMA 3R	
EF	1	EXHAUST FAN	0.047	KVA	120 V	1	0.4 A	1	3/4"	2	12	12	1A				1 HP	1	NEMA 1	
EF	2	EXHAUST FAN	0.037	KVA	120 V	1	0.3 A	1	3/4"	2	12	12	1A				1 HP	1	NEMA 1	
EF	3	EXHAUST FAN	0.037	KVA	120 V	1	0.3 A	1	3/4"	2	12	12	1A				1 HP	1	NEMA 1	
RT	1	ROOFTOP UNIT	26	MCA	208 V	3	26 A	1	3/4"	3	10	12	10A		30	3	30	3	NEMA 3R	
RT	2	ROOFTOP UNIT	26	MCA	208 V	3	26 A	1	3/4"	3	10	12	10A		30	3	30	3	NEMA 3R	

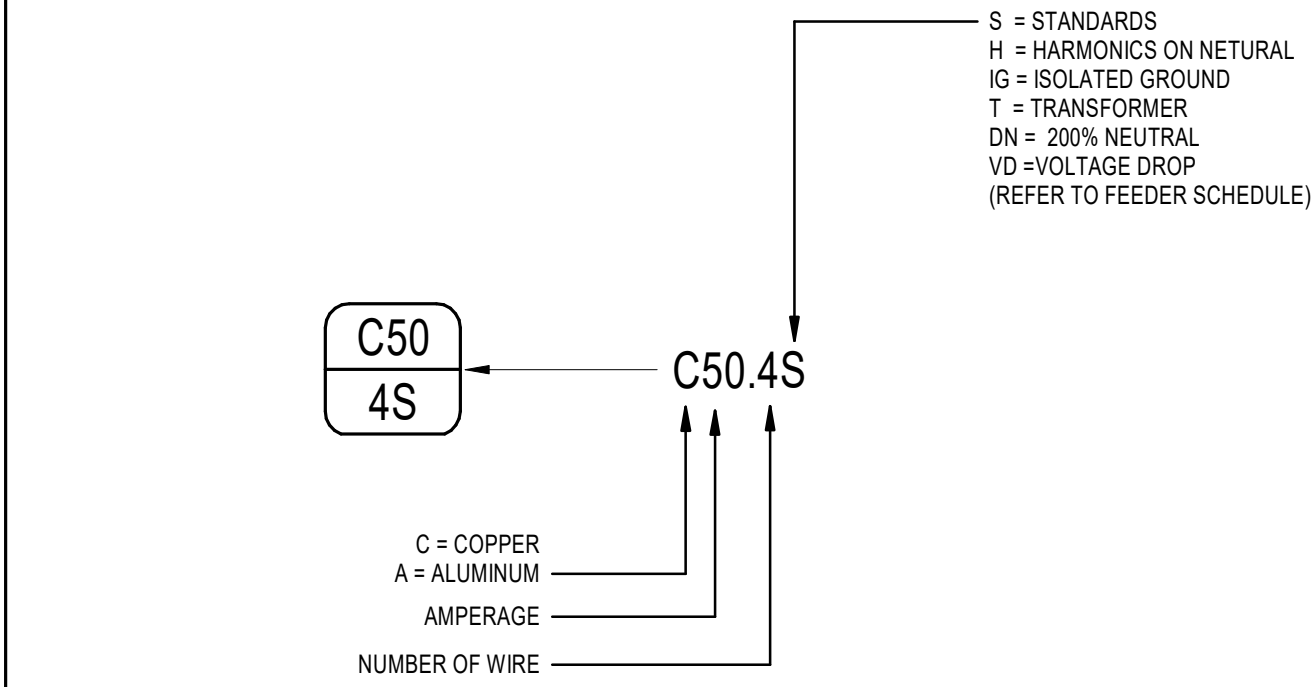
STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:

- MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR ATC CONTROL.
 - COMBINATION MAGNETIC STARTER / FUSED DISCONNECT
 - COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
 - COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP)
 - REDUCED VOLTAGE STARTER
 - COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT
 - COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP)
 - NON-FUSED DISCONNECT SWITCH
 - FUSED DISCONNECT SWITCH
- BREAKER AND ENCLOSURE
 - DIRECT CONNECTION
 - DUPLEX RECEPTACLE OUTLET
 - SPECIAL PURPOSE OUTLET
 - SHUNT-TRIP DISCONNECT
 - TOGGLE SWITCH
 - MAGNETIC STARTER
 - FUSED ELEVATOR SWITCH
 - PROVIDE EARLY-BREAK RELAY IN DISCONNECT WITH CONTROL WIRING BETWEEN VFD AND RELAY.
- FURNISHED, INSTALLED & CONNECTED UNDER DIVISION 26.
 - FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26
 - FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26
 - FURNISHED, INSTALLED & CONNECTED UNDER ANOTHER DIVISION
 - FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26

GENERAL NOTES:

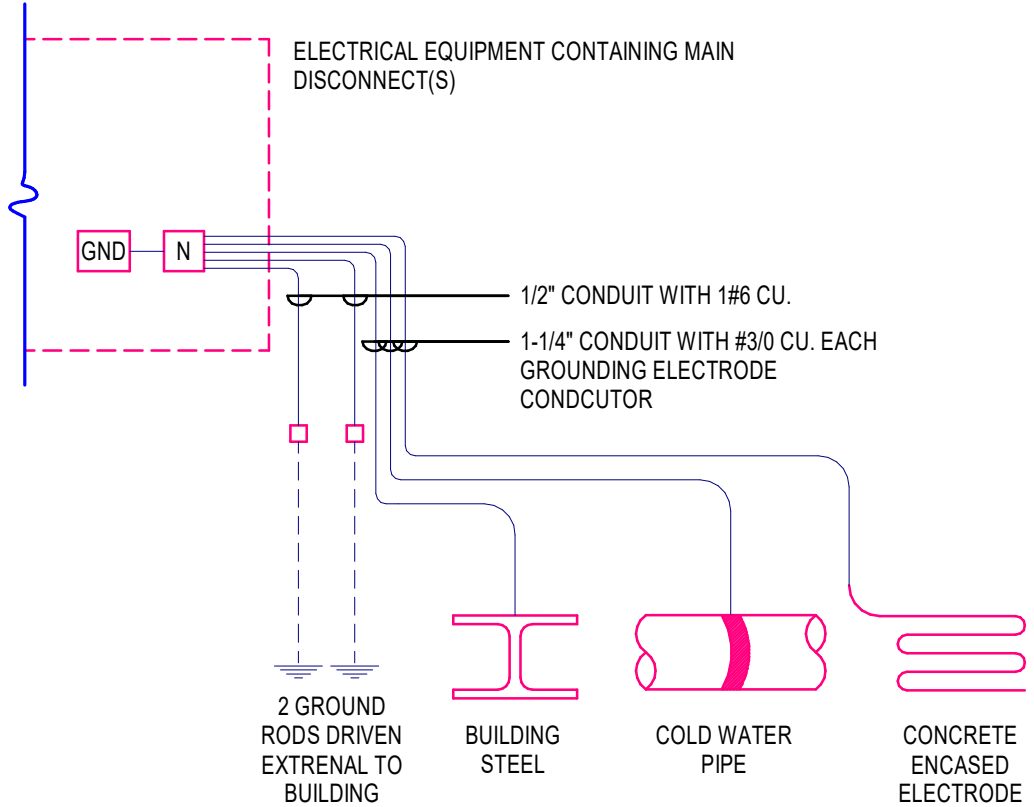
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND SIZE FEEDER, STARTER, DISCONNECT AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OF ACTUAL EQUIPMENT SUPPLIED.
- ALL CONDUCTORS USED SHALL BE COPPER.
- ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS FOR ANY ADDITIONAL REQUIREMENTS PRIOR TO BID.
- ELECTRICAL CONTRACTOR SHALL REVIEW OTHER TRADE SUBMITTALS FOR ANY EQUIPMENT REQUIRING CONNECTION BY ELECTRICAL CONTRACTOR AND COORDINATE ALL REQUIREMENTS PRIOR TO ROUGH-IN.
- SIZE ALL FUSES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

FLOOR BOX SCHEDULE											
TYPE	DEVICE CAPACITY	CONDUIT OPENINGS	G1	G2	G3	G4	G5	G6	MANUFACTURER	CAT. # (OR APPROVED EQUAL)	COMMENTS
B1	4	3/4", 1"	DUPLEX	DUPLEX	DATA	HDMI	-	-	LEGRAND WIREMOLD HUBBELL OR PRIOR APPROVED EQUAL	RFB4-CH-1 / RFB-DR / RFB-GFI	VERIFY COVER TYPE AND FINISH WITH FLOORING AND ARCHITECT.



1 FEEDER DETAIL

SCALE: NTS



2 GROUNDING DETAIL

SCALE: NTS

GENERAL ONE-LINE NOTES:

- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE OWNER PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATING ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWINGS SUBMITTAL.
- PROVIDE FULL LENGTH VERTICAL BUSSING IN ALL SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND PANELBOARDS.
- COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES.

SELECTIVE COORDINATION REQUIREMENTS:

- CONTRACTOR SHALL PROVIDE ALL OF THE FOLLOWING FOR EMERGENCY, LEGALLY REQUIRED STANDBY, OPTIONAL STANDBY, AND NORMAL POWER SYSTEMS:
 - FAULT CURRENT ANALYSIS
 - ARC-FLASH STUDY
 - SELECTIVE COORDINATION STUDY AND SETTINGS OF ALL ADJUSTABLE TRIP OVERCURRENT PROTECTION DEVICES
- THE POWER SYSTEMS MUST BE SELECTIVELY COORDINATED DOWN TO THE SMALLEST OVERCURRENT PROTECTIVE DEVICE TO THE FOLLOWING LEVELS:
 - NORMAL POWER SYSTEM TO EXTENT POSSIBLE
- CONTRACTOR SHALL PROVIDE ELECTRONIC SOLID STATE ADJUSTABLE TRIP (LSI) CIRCUIT BREAKERS, AND/OR CIRCUIT BREAKERS WITH LARGER FRAME SIZES AS NECESSARY TO ENSURE PROPER SELECTIVE COORDINATION. REFER TO SPECIFICATIONS FOR ADDITIONAL SELECTIVE COORDINATION REQUIREMENTS.
- A PRELIMINARY SELECTIVE COORDINATION STUDY AND DEVICE SETTINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. NO ELECTRICAL EQUIPMENT SUBMITTAL SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SUBMITTING THE PRELIMINARY SELECTIVE COORDINATION STUDY AND DEVICE SETTINGS OF THE PROPOSED ELECTRICAL DISTRIBUTION EQUIPMENT AND ASSOCIATED OVERCURRENT DEVICES. THE STUDY SHALL BE SUBMITTED FOR REVIEW BY THE ELECTRICAL ENGINEER AND OWNER TO ENSURE CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. NO ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RELEASED UNTIL THE SELECTIVE COORDINATION STUDY SHOWS PROPER COORDINATION OF ALL SYSTEM ELEMENTS.
- AT THE END OF THE PROJECT A COMPLETE FAULT CURRENT, ARC-FLASH, AND SELECTIVE COORDINATION STUDY SHALL BE SUBMITTED FOR REVIEW. NO ARC-FLASH LABELS SHALL BE APPLIED TO ANY EQUIPMENT UNTIL THE STUDY IS REVIEWED AND ACCEPTED.
- ONCE PRELIMINARY SELECTIVE COORDINATION STUDY IS COMPLETED, THE WITHSTAND RATING FOR THE AUTOMATIC TRANSFER SWITCHES (ATS) SHALL BE COORDINATED WITH THE SPECIFIC BREAKERS FEEDING ATS THAT ARE PROVIDED.
- CONTRACTOR SHALL ADJUST PROTECTIVE DEVICE SETTINGS ACCORDING TO RECOMMENDED SETTINGS PROVIDED BY THE FINAL COORDINATION STUDY. FIELD ADJUSTMENTS SHALL BE COMPLETED BEFORE THE PUNCH LIST WALKTHROUGH.

FEEDER GENERAL NOTES:

- CONTRACTOR SHALL REVIEW ONE-LINE DIAGRAM AND CONFIRM FEEDER WIRE SIZES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO BID. IF DISCREPANCIES EXIST, CONTRACTOR SHALL PROVIDE CORRECT WIRE SIZE BASED ON ACTUAL BREAKER SIZE AND ANY VOLTAGE DROP ADJUSTMENTS. SEE NEC 210.19, 215.2, 250.112, AND 310.15.
- ALL GROUNDING WIRES SHOWN IN FEEDER SCHEDULE ARE COPPER WIRES.
- ALL SYSTEM BONDING JUMPER CONDUCTORS SHOWN ARE TO BE RUN IN EACH PARALLEL FEEDER SET.

KEYED NOTES

- P1 EXISTING DEVICES, PANELS, TRANSFORMERS, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
- P11 PROVIDE NEW PANEL UNDER ALTERNATE NO. 1. TIE TO A NEW 200A, 3 POLE CIRCUIT BREAKER INSTALLED IN THE EXISTING 'MDP'. NEW BREAKER SHALL BE SAME TYPE AND AIC RATING AS THE EXISTING.



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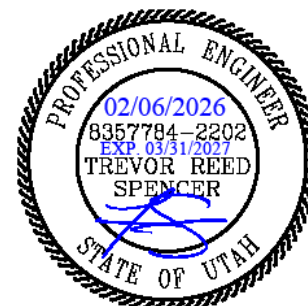
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SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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SEAL



MHTN PROJECT NO. 2023554.01

Original drawing is 30 x 42. Do not scale contents of this drawing.

REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	03/02/25	ADDENDUM NO. 01

ISSUE

CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME

EQUIPMENT
SCHEDULES AND
ONE-LINE DIAGRAM
- POWER

SHEET NUMBER

EP701

ABBREVIATIONS:

ADO - AUTOMATIC DOOR OPERATOR
 AFF - ABOVE FINISHED FLOOR
 AP - ACCESS CONTROL PANEL
 CR - CARD READER
 DHS - DOOR HARDWARE SUPPLIER
 DPS - DOOR POSITION SWITCH
 EPT - ELECTRIC POWER TRANSFER
 ES - ELECTRIC STRIKE
 MAG LOCK - MAGNETIC LOCK
 RX - EXIT DEVICE
 PB - DOOR RELEASE PUSH BUTTON (MANUAL RELEASE)
 REX - REQUEST TO EXIT
 RFI - REQUEST FOR INFORMATION

ACCESS CONTROL COORDINATION REQUIREMENTS:

CODE REFERENCES AND REQUIREMENTS:

- 2016 NFPA 101 - LIFE SAFETY CODE
 - 7.2.1.5.15 REQUIRES THAT LOSS OF POWER WILL UNLOCK THE ELECTRICALLY CONTROLLED DOOR HARDWARE.
 - 7.2.1.6.2.(4) REQUIRES THAT ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM UNLOCK ALL DOORS LOCATED IN THE PATH OF EGRESS. 2016 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES
- 2016 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES
 - 6.1.3.4 REQUIRES THAT POWER OPERATED FIRE DOORS HAVE A RELEASING DEVICE TO AUTOMATICALLY RELEASE POWER UPON FIRE ALARM.
 - 6.4.4.3.3 REQUIRES THAT FIRE RATED DOORS BE POSITIVELY LATCHED TO MAINTAIN THE FIRE RATING, ALL ELECTRIC STRIKES UPON FIRE RATED DOORS MUST BE FAIL SECURE.
- 2012 IBC - INTERNATIONAL BUILDING CODE
 - 1010.1.9.8 REQUIRES ELECTROMAGNETICALLY LOCKED DOORS HAVE A SENSOR RELEASE SWITCH EITHER AUTOMATIC OR BY A READILY ACCESSIBLE WALL MOUNTED PUSHBUTTON TO RELEASE THE LOCK WITHIN 5' OF THE DOOR.

INTEGRATION WITH FIRE ALARM

ALL MAGNETIC LOCKS SHALL BE UNLOCKED DURING A GENERAL FIRE ALARM. THIS ACTION IS NOT REQUIRED IF SYSTEM IS IN ALARM BY MEANS OF A MANUAL PULL STATION, AUTOMATIC DETECTION DEVICES SUCH AS SMOKE DETECTORS OR SPRINKLER FLOW REQUIRE UNLOCKING AND THE DOOR MUST REMAIN UNLOCKED UNTIL FIRE ALARM SYSTEM RESET. CONTRACTOR SHALL INCLUDE ALL FIRE ALARM INTERFACE EQUIPMENT SUCH AS ADDRESSABLE CONTROL MODULES OR BY CONTACT CLOSURE SIGNALING TO THE ACCESS CONTROL PANELS AS NECESSARY TO MEET THE CODE REQUIREMENTS. ALL DOORS IN STAIRWELLS MUST ALLOW FOR RE-ENTRY.

TO ENSURE A COMPLETE AND OPERATING ACCESS CONTROL SYSTEM AND TO ELIMINATE DELAYS, INSUFFICIENT OR UNNECESSARY WORK BY ALL OF THE ENTITIES INVOLVED, THE FOLLOWING STEPS SHALL BE COMPLETED. THE FAILURE TO DO SO RESULTING IN ADDED COSTS AND LOST TIME WILL BE BORN SOLELY BY THE CONTRACTOR. NO ADDITIONAL PAYMENTS WILL BE MADE BY THE OWNER TO COVER WORK DESCRIBED BELOW.

DURING THE BIDDING PROCESS:

1. THE ELECTRICAL CONTROL LOCATIONS REQUIRING .

2. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE SPECIFICATIONS, AND DEFINED EGRESS PATHS. IDENTIFY ACCESS CONTROLLED DOORS LOCATED IN FIRE RATED WALLS AND IN PATHS OF EGRESS REQUIRING ADDITIONAL CONTROL DEVICES.

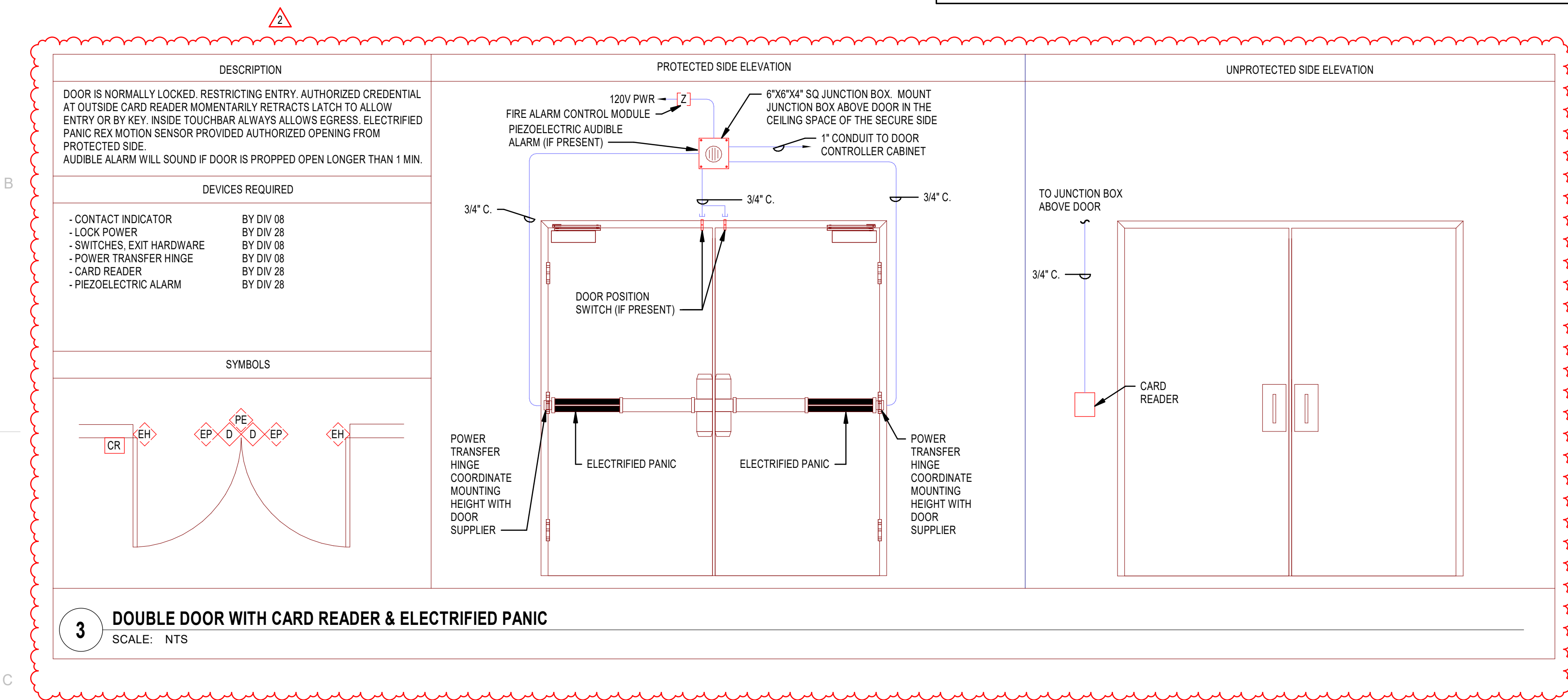
3. THE ELECTRICAL CONTRACTOR SHALL VERIFY WHICH DOOR
ACCORDING TO WHICH HARDWARE SUPPLIER BEING USED.

4. DURING THE SUBMITTAL PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW THE APPROVED DOOR HARDWARE SUBMITTAL TO CONFIRM THE FINAL HARDWARE SETS PRIOR TO ANY ROUGH-IN. ANY QUESTIONS SHALL BE ISSUED BY FORMAL RFI.

5. MEET WITH THE ACCESS CONTROL VENDOR TO REVIEW ALL FINAL INTEGRATION AND ROUGH-IN REQUIREMENTS. ONLY AFTER CONFIRMING THE FINAL DOOR HARDWARE AND ACCESS CONTROL SYSTEM REQUIREMENTS SHALL ANY ROUGH-IN WORK BEGIN.

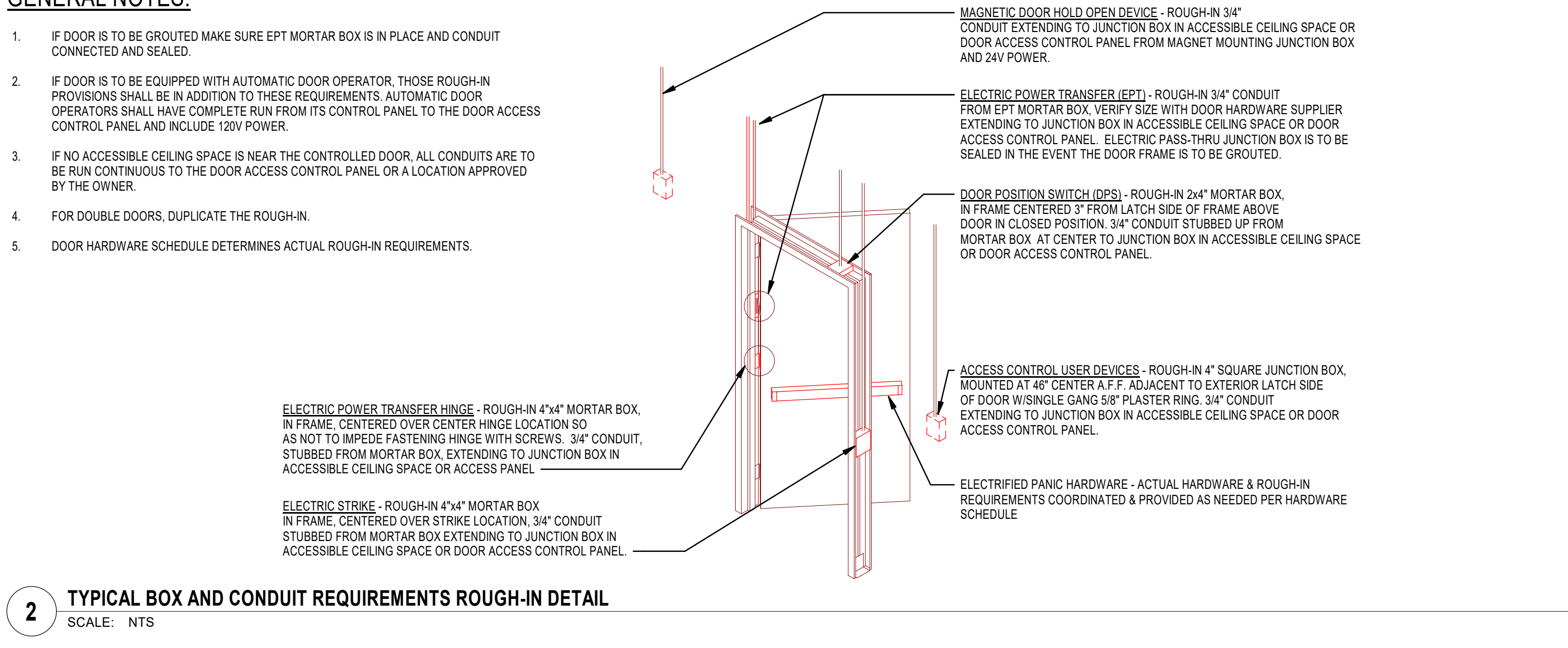
GENERAL NOTES:

1. THE DOOR DETAILS SHOWN BELOW ARE GENERAL ROUGH-IN DETAILS AND NOT ALL DEVICES SHOWN MAY BE PRESENT FOR EACH DOOR. CONTRACTOR SHALL REFER TO THE DOOR HARDWARE SCHEDULE IN THE ARCHITECT'S DRAWINGS AND SPECS TO DETERMINE WHAT DEVICES ARE PRESENT FOR EACH DOOR REQUIRING CARD ACCESS DOOR EQUIPMENT.
2. NOT ALL DOOR STYLE DETAILS SHOWN BELOW MAY BE INCLUDED IN THE PROJECT.
3. ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
4. THE DOOR ROUGH-IN INFORMATION SHOWN ON THESE DRAWINGS ARE SCHEMATIC IN NATURE AND CANNOT ACCOUNT FOR ALL SPECIFIC VENDOR REQUIREMENTS, OR ACTUAL DOOR HARDWARE PROVIDED. APPROPRIATE SPECIFICATIONS WITH SECURITY COMPANY AND APPROVED DOOR HARDWARE SCHEDULES PRIOR TO ROUGH-IN. CONTRACTOR IS RESPONSIBLE FOR A COMPLETE CONDUIT RACEWAY SYSTEM AT THE DOOR AND BACK TO LOCAL ELECTRICAL ROOM.
5. IF REX IS NOT INCLUDED IN DOOR HANDLE OR EXIT DEVICE, PROVIDE BOX FOR WALL MOUNTED REX DEVICE. VERIFY WITH DOOR HARDWARE PRIOR TO ROUGH-IN.
6. PROVIDE CONDUIT AND DEVICE BACK BOX ROUGH-IN AT ALL CARD READER DOOR LOCATIONS. CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED AND ALL BOXES SHALL BE A SQUARE WITH A SINGLE GANG MUD RING FOR DEVICES OR JUST A SINGLE GANG BOX IF INSTALLED AT THE DOOR FRAME.
7. A SINGLE FIRE ALARM CONTROL MODULE MAY BE USED TO CONTROL THE POWER TO MULTIPLE DOORS IF COORDINATED WITH THE ACCESS CONTROL SYSTEM VENDOR TO WIRE DOORS SEPARATE FROM OTHER DOORS TOGETHER ON THE SAME POWER SUPPLY LOOP.
8. IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL ROOM, UNLESS A LOCATION IS DETERMINED TO BE ACCEPTABLE TO THE ENGINEER PRIOR TO INSTALLATION.



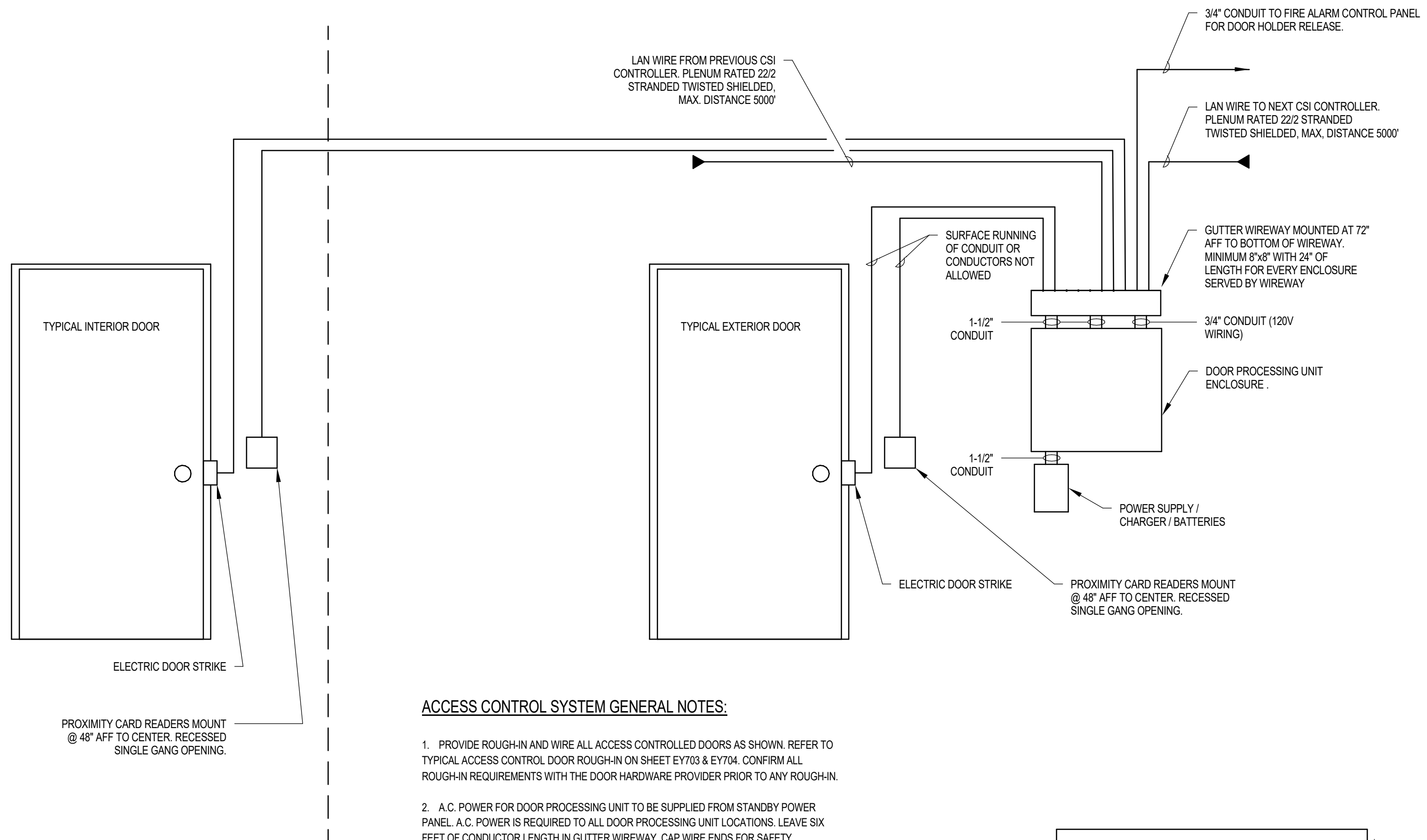
GENERAL NOTES:

1. IF DOOR IS TO BE GROUDED MAKE SURE EPT MORTAR BOX IS IN PLACE AND CONDUIT CONNECTED AND SEALED
2. IF DOOR IS TO BE EQUIPPED WITH AUTOMATIC DOOR OPERATOR, THOSE ROUGH-IN PROVISIONS SHALL BE IN ADDITION TO THESE REQUIREMENTS. AUTOMATIC DOOR OPERATORS SHALL HAVE COMPLETE RUN FROM ITS CONTROL PANEL TO THE DOOR ACCESS CONTROL PANEL AND INCLUDE 120V POWER.
3. IF NO ACCESSIBLE CEILING SPACE IS NEAR THE CONTROLLED DOOR, ALL CONDUITS ARE TO BE RUN CONTINUOUS TO THE DOOR ACCESS CONTROL PANEL OR A LOCATION APPROVED BY THE OWNER.
4. FOR DOUBLE DOORS, DUPLICATE THE ROUGH-IN.
5. DOOR HARDWARE SCHEDULE DETERMINES ACTUAL ROUGH-IN REQUIREMENTS.



2 TYPICAL BOX AND CONDUIT REQUIREMENTS ROUGH-IN DETAIL

SCALE: NTS



ACCESS CONTROL SYSTEM GENERAL NOTES:

1. PROVIDE ROUGH AND WIRE ALL ACCESS CONTROL DOORS AS REQUIRED, REFERENCE TO TECHNICAL ACCESS CONTROL DOOR ROUGH ON SHEET EY704 & EY704. CONFIRM ALL ROUGH REQUIREMENTS WITH THE DOOR HARDWARE PROVIDER PRIOR TO ANY ROUGHING.
2. A.C. POWER FOR DOOR PROCESSING UNIT TO BE SUPPLIED FROM STANDBY POWER PANEL. A.C. POWER IS REQUIRED TO ALL DOOR PROCESSING UNIT LOCATIONS. LEAVE SIX FEET OF CONDUCTOR LENGTH IN GUTTER WAREHOUSE, CAP WIRE ENDS FOR SAFETY.
3. DOOR STRIKES TO BE PROVIDED AND INSTALLED BY DIVISION 8. SEE DOOR HARDWARE SECTION.
4. PROVIDE 3/4" FROM EACH DEVICE TO ACCESSIBLE CEILING SPACE.
5. COORDINATE SYSTEM LAYOUT, DEVICE LOCATIONS OR ANY OTHER QUESTIONS WITH SCHOOL DISTRICT PROJECT MANAGER.
6. ACCESS CONTROL DEVICE LOCATIONS, EQUIPMENT AND RISE DIAGRAM ARE SCHEMATIC IN NATURE AND ARE SHOW TO PROVIDE INTENT OF THE CARD ACCESS SYSTEM TO BE PROVIDED. SUCCESSFUL SUPPLIER OF THE SYSTEM SHALL PROVIDE SHOP DRAWINGS THAT INCLUDE COMPLETE SYSTEM. THE SYSTEM SHALL MEET ALL OWNER AND ENGINEERING REQUIREMENTS.

NOTE:
CONTRACTOR SHALL SCHEDULE A PRE-INSTALL MEETING WITH THE SCHOOL DISTRICT AND ENGINEER FOR REVIEW OF THE INSTALLATION OF THE SYSTEM PRIOR TO ANY ROUGH-IN AND PRIOR TO SUBMITTAL SUBMISSION. IF THE CONTRACTOR DOES NOT SCHEDULE A PRE-INSTALL MEETING, THE CONTRACTOR SHALL MAKE ANY AND ALL CHANGES TO THE SYSTEM AS DIRECTED BY THE SCHOOL DISTRICT AT NO ADDITIONAL COST TO THE DISTRICT.

ACCESS CONTROL SYSTEM EQUIPMENT LIST

SYMBOL	DESCRIPTION	SUPPLIER	MODEL	REQUIREMENTS
	MAIN ACCESS CONTROL SYSTEM PANEL			
	SECURITY CONTROL UNIT - DOOR CONTROLLER	AMAG	M2150-4D8C	CONTROLS UP TO EIGHT (8) DOORS, TWELVE (12) SUPERVISED INPUTS, EIGHT (8) RELAY OUTPUTS PROVIDE DOOR CONTROLLERS IN QUANTITIES AS REQUIRED TO ACCOMMODATE NUMBER OF DOORS INDICATED ALL DOOR CONTROLLERS FOR THIS PROJECT SHALL BE LOCATED IN ONE ENCLOSURE
	SUB-LAN INTERFACE	AMAG	MM-NIC-5	DNE (1) REQUIRED FOR THIS PROJECT
	ENCLOSURE / BACKPLATE / LOCK KIT	AMAG	MM-CAB5-PSU-KIT	24"W X 30"H X 6"D
	5 AMP POWER SUPPLY / CHARGER	ALTRONIX	AX-AL000UM	MOUNT IMMEDIATELY BELOW ACCESS ENCLOSURE
	BATTERIES - 12 VOLT, 8 AMP-HOURS	YUASA	UZNP112	12 VOLT, 24 HOURS OF OPERATION, MOUNT IN POWER SUPPLY ENCLOSURE
	120-24VAC 50VA TRANSFORMER	VERIS	T-201-1	
	PROXIMITY CARD READERS: WALL-MOUNTED WITH 18" DIGITAL MULLION MOUNT	AMAG AMAG AMAG	939-KP 939S 939S	PROVIDE CARD READERS TO SUIT APPLICATION 1 GANG, 3" DEEP BOX PLENUM-RATED 220V SHIELDED TO DOOR CONTROLLER, 500' MAXIMUM CABLE LENGTH
	ELECTRIC DOOR STRIKE			REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS PLENUM-RATED 182 NON-SHIELDED TO DOOR CONTROLLER
	MAGNETIC DOOR CONTACT SWITCH			REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS
	ELECTRIC STRIKE RELEASE			REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS

ACCESS CONTROL DOOR SEQUENCE OF OPERATIONS

- EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS FOLLOWS:
1. THE EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS DIRECTED BY THE OWNER FOR LOCKING AND UNLOCKING DURING NORMAL HOURS OF OPERATIONS.
 2. THE EXTERIOR ACCESS CONTROLLED DOORS SHALL GO INTO LOCK DOWN MODE AND LOCK ALL EXTERIOR DOORS ONCE THE DURESS BUTTON IS PUSHED AT THE RECEPTION DESK OR SAME CARD IS PRESENTED AT A SPECIFIED READER 0 (THREE) IN 0 (ZERO) SECONDS. PUSHING THE DURESS BUTTON AGAIN WILL RETURN ALL OF THE EXTERIOR DOORS THE STATE OF FUNCTION PRIOR TO THE LOCK DOWN BUTTON BEING PUSHED.
 3. IF THE DURESS BUTTON IS PUSHED AT THE SAME CARD IS PRESENTED AT A SPECIFIED CARD READER 0 (THREE) IN 0 (ZERO) SECONDS ACCESS CONTROLLED DOORS ARE IN LOCK DOWN MODE. THE SECURITY SYSTEM SHALL CALL THE MONITORING COMPANY AND NOTIFY THE MONITORING COMPANY THAT THE SCHOOL IS IN LOCK DOWN AND DISPATCH AS DETERMINED BY THE OWNER.

INTERIOR ACCESS CONTROLLED DOORS FOR THE WINGS SHALL FUNCTION AS FOLLOWS

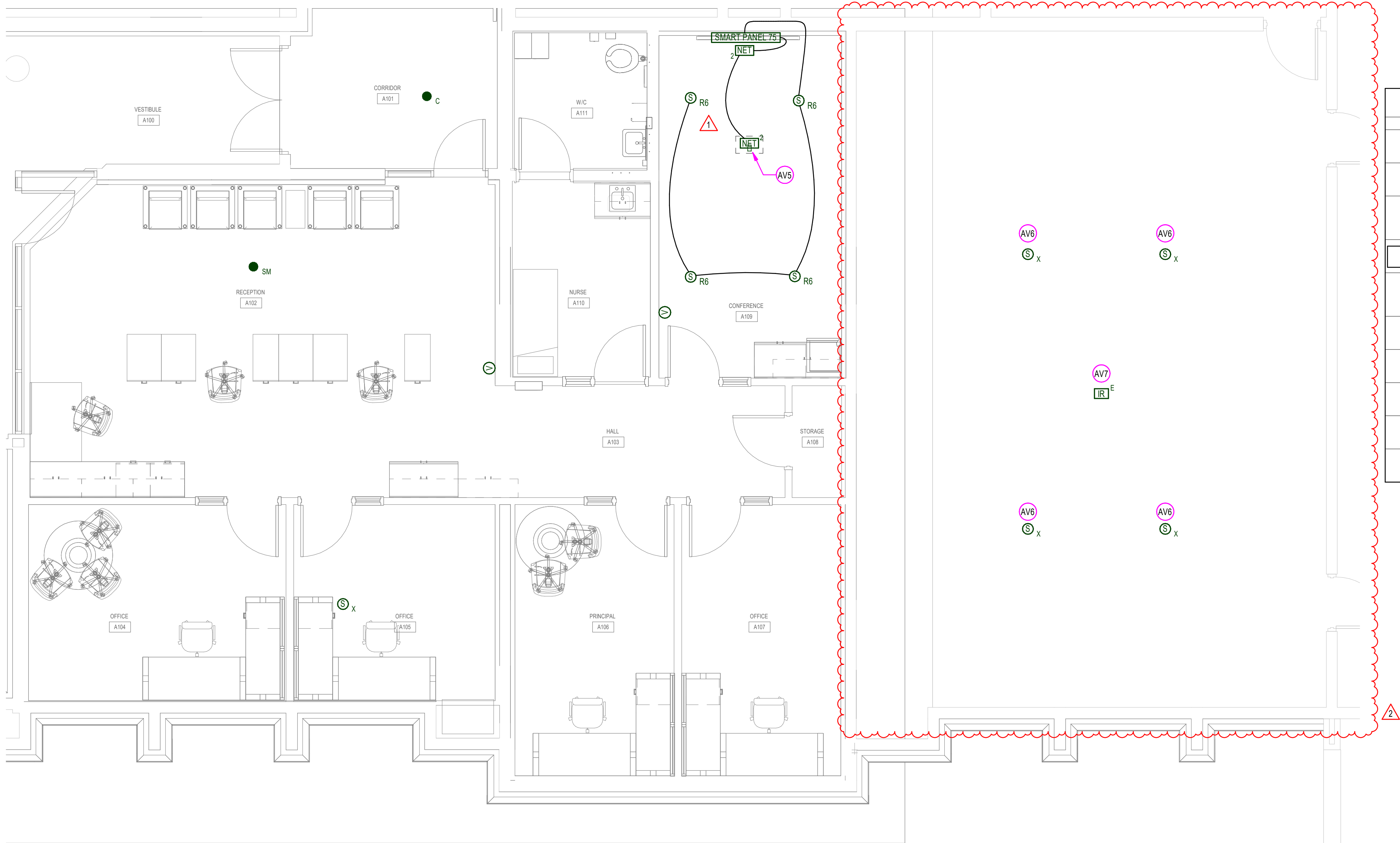
1. PRESENTING THE SAME CARD TO THE LOCK DOWN CARD READERS (3) TIMES WITHIN 60 SECONDS WILL RELEASE THE MAGNETIC DOOR HOLDERS AND ENERGIZE THE ELECTRIC DOOR STRIKES TO LOCK AGAIN. PRESENTING THE SAME CARD AGAIN (3) TIMES WITHIN 60 SECONDS WILL DE-ENERGIZE THE ELECTRIC DOOR STRIKES TO RE-ENERGIZE THE MAGNETIC DOOR HOLDERS TO HOLD THE DOORS IN THE OPEN POSITION. DOOR WILL HAVE TO BE PHYSICALLY PHENED TO THE MAGNETIC DOOR HOLDERS WILL HOLD THEM OPEN.
2. THE NEW INTERIOR ACCESS CONTROLLED DOORS SHALL GO INTO LOCK DOWN MODE (RELEASE MAGNETIC DOOR HOLDERS AND ENERGIZE ELECTRONIC STRIKES) AND LOCK ALL NEW INTERIOR DOORS ONCE THE DURESS BUTTON IS PUSHED IN THE RECEPTION DESK. PUSHING THE LOCK DOWN BUTTON AGAIN WILL RETURN ALL THE NEW INTERIOR DOORS THE STATE OF FUNCTION PRIOR TO THE LOCK DOWN BUTTON BEING PUSHED. NEW INTERIOR DOORS WILL HAVE TO BE PHYSICALLY REOPENED SO THE MAGNETIC DOOR HOLDERS WILL HOLD THEM OPEN.

4 ACCESS CONTROL RISER DIAGRAM

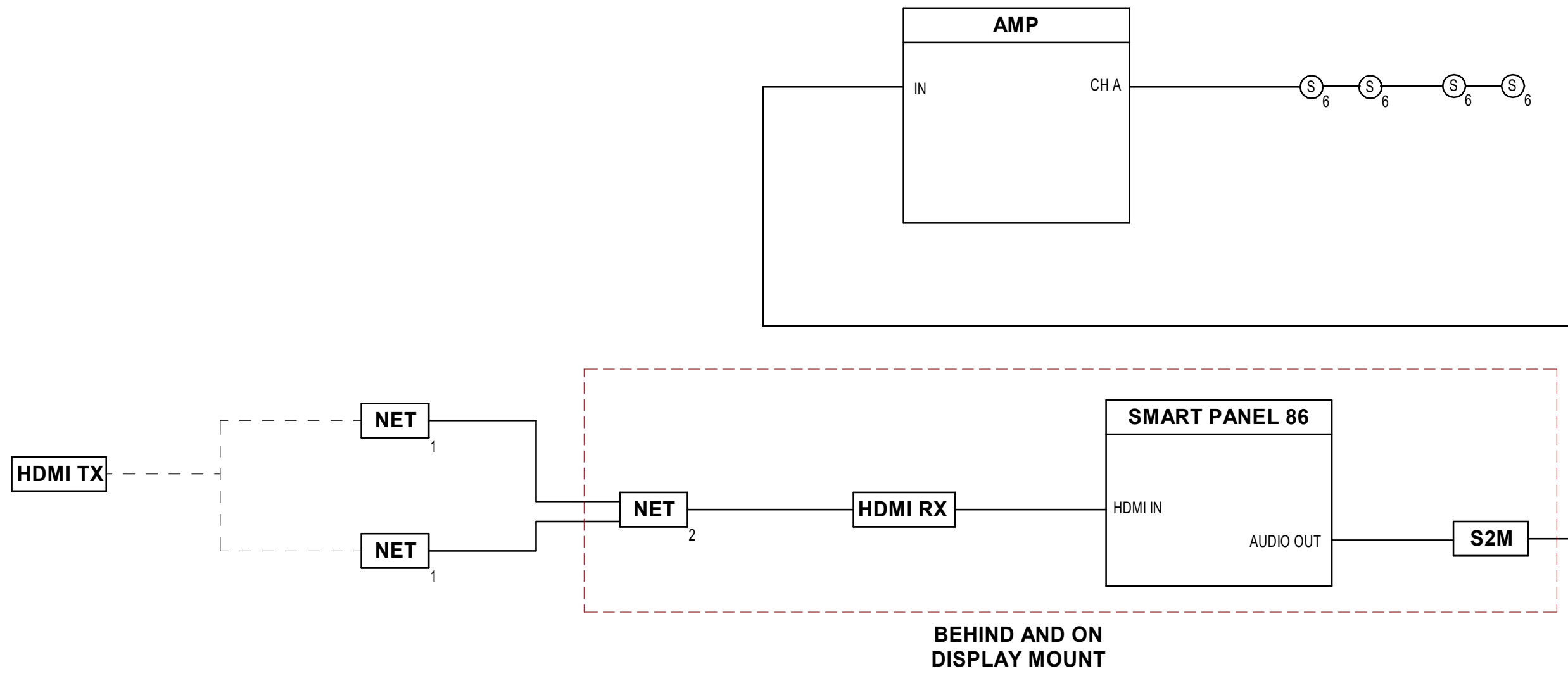
SCALE: NTS

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1 ADMIN AUDIO VISUAL PLAN
SCALE: 1/4" = 1'-0"



2 CONFERENCE ROOM RISER
SCALE: 12" = 1'-0"



AUDIO VIDEO - CONFERENCE ROOM - EQUIPMENT LIST						
SYMBOL	DESCRIPTION	QTY/ROOM	SUPPLIER	MODEL	ROUGH-IN	CABLE
S_R6	SPEAKER, 6" RECESSED	OFF	ATLAS IED	FAP62T, W BACK CAN, TILE BRIDGE, AND GRILLE		WEST PENN 25225B
NET_1	HDBASET CONNECTION PLATE, 1 DROP	OFF	CUSTOM	SEE DETAIL	QTY(1) 3/4" C TO DISPLAY BACK BOX	LEVITON SST-ECA-500V/T (PURPLE) GIGABIT PATCH CABLE, 6', 1EAA
NET_2	HD BASET CONNECTION PLATE, 2 DROPS	OFF	CUSTOM	CUSTOM	INSTALL IN DISPLAY BACK BOX	LEVITON SST-ECA-500V/T (PURPLE) GIGABIT PATCH CABLE, 6', 1EA
SMART PANEL 75	SMART PANEL, 86"	OFF	-	COORDIANTE W/ OWNER	CHIEF PACS27 BACKBOX, BEHIND DISPLAY	
	DISPLAY BACK BOX	1/DISPLAY	CHIEF	PACS27	QTY(1) 1" C EACH TO NET PLATE, QTY(1) 1" C TO ACCESSIBLE CEILING, QTY(1) 1/2" C TO EACH FLOOR BOX, QTY(1) 3/4" C TO CABLE TRAY OR A.D.C. CEILING ABOVE MDR/DF ROOM	
AMP	MIXER AMPLIFIER	OFF	EXTRON	XPA U 1004 SB	INSTALL IN DISPLAY BACK BOX	
S2M	STEREO TO MONO ADAPATOR	AIR	EXTRON	ASA SERIES	-	
	DISPLAY MOUNT, FLAT	OFF	-	COORDIANTE W/ OWNER	-	
HDMI TX	HDMI TRANSMITTER	OFF	-	COORDIANTE W/ OWNER	INSTALL BELOW TABLE, AND PATCH TO NET PANEL IN FLOOR BOX	HDMI PATCH CABLE
HDMI RX	HDMI RECEIVER	OFF	-	COORDIANTE W/ OWNER	INSTALL BELOW TABLE, AND PATCH TO NET PANEL IN FLOOR BOX	HDMI PATCH CABLE

AUDIO VISUAL GENERAL NOTES:

- NO CHANGES SHALL BE MADE WITHOUT THE AV CONSULTANT'S WRITTEN CONSENT.
- TO MINIMIZE SIGNAL CROSS TALK, GROUP CABLES ACCORDING TO SIGNALS BEING CARRIED. MAINTAIN SEPARATION BETWEEN POWER AND ALL OTHER CABLE GROUPS OF AT LEAST 24", AND 6" BETWEEN ALL OTHER CABLE GROUPS WHEN RUN IN PARALLEL. GROUPS SHALL BE:
 - POWER.
 - CONTROL.
 - VIDEO.
 - MIC LEVEL AUDIO CABLES (LESS THAN -20dBm).
 - LINE LEVEL AUDIO CABLES (-20dBm TO +20dBm).
 - SPEAKER LEVEL CABLES (+20dBm OR GREATER).
 - DATA CABLES.
- PROVIDE #6 AWG THHN WIRE W/ GREEN INSULATION FROM EACH AV EQUIPMENT CABINET TO THE NEAREST MAIN BUILDING GROUND. CONNECT GROUNDING WIRE TO BARE METAL ON EQUIPMENT CABINET.
- COLORS OF ALL SOUND DEVICES THAT ARE EXPOSED, INCLUDING INPUT AND OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, SPEAKER ENCLOSURES, SPEAKER MOUNTING HARDWARE, ETC. SHALL BE REVIEWED AND APPROVED BY OWNER PRIOR TO ORDERING.
- CABLE ROUTES SHOWN ON DRAWINGS DO NOT ACTUALLY REFLECT THE RACEWAYS. THE RACEWAYS SHALL BE DETERMINED IN THE FIELD.
- LABEL ALL THE WIRELESS HANDHELD MICROPHONES AND BELT PACKS WITH NAMES OR NUMBERS FOR EASY IDENTIFICATION.
- REFER TO RISER DIAGRAMS AND EQUIPMENT LISTS FOR THE TYPES AND NUMBERS OF WIRES REQUIRED FOR EACH AV DEVICE.
- MOCKUP A TYPICAL CLASSROOM AV SYSTEM FIRST. TEST AND TRY OUT ALL THE FUNCTIONS OF THE SYSTEM AND PERFORMANCE OF EACH AV COMPONENT BEFORE PURCHASING EVERYTHING FOR ALL THE CLASSROOMS.
- EQUALIZE ALL AUDIO SYSTEMS WITH DSP PRIOR TO SYSTEM COMMISSIONING.
- ALL CABLES IN PLENUM SPACES SHALL BE PLENUM RATED. WHEN NON- PLENUM CABLE IS SPECIFIED, IN PLENUM SPACES, INTEGRATOR SHALL SUBSTITUTE PLENUM CABLE.

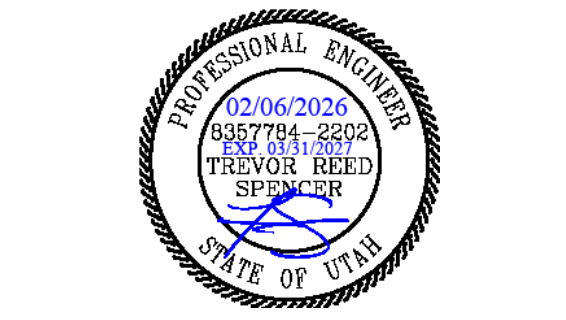
KEYED NOTES

- AV5 INSTALL HDMI TX BELOW TABLE, AND PATCH TO DESIRED NET PANEL IN FLOOR BOX.
- AV6 REINSTALL SPEAKER STORED FROM CEILING DEMOLITION, AND RECONNECT TO SPEAKER CABLE COILED IN CEILING DURING DEMOLITION. TEST AND VERIFY FUNCTIONALITY OF VOICE LIFT SYSTEM, AND NOTIFY ARCHITECT AND CONSULTANT OF ANY FAULTS IDENTIFIED.
- AV7 REINSTALL IR MICROPHONE RECEIVER STORED FROM CEILING DEMOLITION, AND RECONNECT TO SPEAKER CABLE COILED IN CEILING DURING DEMOLITION. TEST AND VERIFY FUNCTIONALITY OF VOICE LIFT SYSTEM, AND NOTIFY ARCHITECT AND CONSULTANT OF ANY FAULTS IDENTIFIED.

SAN JUAN SCHOOL DISTRICT ALBERT R LYMAN MIDDLE SCHOOL SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026



MHTN PROJECT NO: 2023554.01

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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE.

NO.	DATE	DESCRIPTION
1	02/26/26	ADDENDUM NO. 01
2	03/02/26	ADDENDUM NO. 02

ADMIN AUDIO VISUAL PLAN

SHEET NUMBER

EA101