



MHTN
ARCHITECTS

Addendum No. 01

Issued: **20 Feb. 2026**

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

Project No.: 2023554.01

Addendum No. 01 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

X1.1 Table of Contents:

1. Insert Section 105113 – Metal Lockers as indicated.
2. Add 6 Month Surveillance Form [Asbestos Containing Materials] to Appendix as indicated.

X1.2 Document 000107 – Seals Page:

1. Replace Document with attached revised version, including stamps for Design Professionals of Record.

X1.3 Section 024119 – Selective Demolition:

1. Add Subparagraph 1.2 B 7 as indicated re: Appendix document re: asbestos containing building materials.
2. Revise Subparagraph 1.8 D 1 as indicated re: existing asbestos containing building materials.

X1.4 Section 064023 - Interior Architectural Woodwork:

1. Revise Paragraph 2.2 D as indicated re: wood veneer core material used at cubby cabinets and mobile bookshelf carts.
2. Insert Paragraph 2.2 E as indicated re: wood veneer species used at cubby cabinets and mobile bookshelf carts.
3. Insert Article 2.6 as indicated re: WOOD CABINETS FOR TRANSPARENT FINISH.
4. Delete redundant Drawing Designations from Subparagraph 2.7 E 1. Drawing Designations are indicated at Paragraph 2.2 F.
5. Delete redundant Drawing Designations from Subparagraph 2.7 E 2. Drawing Designations are indicated at Paragraph 2.2 F.
6. Relocate Article 2.6 DISPLAY CASES to Article 2.8
7. Delete redundant Drawing Designation from renumbered Subparagraph 2.9 C. Drawing Designations are indicated at Paragraph 2.2 F.
8. Add Article 2.12 as indicated re: SHOP FINISHING.
9. Add Subparagraph 3.2 D 3 as indicated re: back panel overlays at salvaged and reinstalled cabinets.

- X1.5 Section 087100 – Door Hardware:
1. Add Door A113 to Hardware Group No. 08 as indicated.
- X1.6 Section 096513 - Resilient Base and Accessories
1. Insert Subparagraph 1.3 A 1 as indicated re: manufacturer's written data.
 2. Insert Subparagraph 1.3 A 2 as indicated re: manufacturer's written installation instructions.
 3. Insert Paragraph 1.3 C as indicated re: Samples for Initial Selection.
 4. Insert Paragraph 1.3 as indicated re: Samples for Verification.
 5. Revise Paragraph 1.3 E as indicated re: Project Schedule.
 6. Insert Article 1.4 as indicated re: INFORMATIONAL SUBMITTALS.
 7. Insert Article 1.6 as indicated re: QUALITY ASSURANCE.
 8. Insert Article 2.1 as indicated re: PERFORMANCE REQUIREMENTS.
 9. Insert Article 2.3 as indicated re: RESILIENT MOLDING ACCESSORIES.
- X1.7 Section 105113 – Metal Lockers:
1. Add section as indicated.
- X1.8 Appendix:
1. Add 6 Month Periodic Surveillance Form [Asbestos Containing Material] as indicated.
- X1.9 22 0000 – Plumbing
1. Removed the tempering valves for the lavatories. See 22000 - Plumbing-3.
 2. Added SD-1 and SD-2. See 22000 - Plumbing-5

B. Changes to the Drawings

General

- G1.1 Sheet G300 – Exterior Wall, Interior Wall, Floor and Roof Types:
1. Added Abuse-Resistant Gypsum Wall Board note to interior wall type general notes.
 2. Updated R2 – Roof Type 2 to show rigid insulation and plywood attaching directly to wood stud overbuild.

Structural

- S1.1 Sheet SB102 – Enlarged Footing and Foundation Plans:
1. No changes to the design. Shifted plan A3 for clarity.
- S1.2 Sheet SB103 – Enlarged Footing and Foundation Plans:
1. Removed opening in north-west wall of new reception area.
 2. Existing masonry wall on west side of new reception area is tagged as to be demolished.
 3. Steel columns for frame around new window in west wall have been removed and a single steel column with foundation is added aligned with the existing masonry wall.
- S1.3 Sheet SB601 –Concrete Schedules:
1. Added thickness to continuous footing type FC2.4.
- S1.4 Sheet SF103 – Enlarged Roof Framing Plans:

1. Additional demolition notes added for the new channels added to west wall.
 2. Sandwich channels added to the west masonry wall.
 3. New detail cuts added to show connections for channels to existing steel beam and new steel column.
 4. Removed channels and opening in north-west wall of new reception area.
 5. Removed angle braces for steel tube frame columns that were located around the original west wall opening.
- S1.5 Sheet SF201 – Wall Elevations:
1. Structure adjusted to show framing more accurately for clarity.
 2. Elevation C2 – Left opening and associated channels are removed.
 3. Elevation A4 – Expanded to show channels spanning from new steel column to existing concrete column.
- S1.6 Sheet SF511 – Typical Roof Framing Details:
1. Added detail C3 for steel beam bottom flange bracing.
- S1.7 Sheet SF512 – Typical Roof Framing Details:
1. Added details C2 and C3 to show end connections for new sandwich channels on the west wall of new reception area.

Architectural

- A1.1 Sheet AD100 – Admin Demolition Plan
1. Updated extents of wall demolition to include more of West wall of exterior side classroom. Refer to structural drawings for demolition and supplementary wall bracing steel channels to be added to portion of wall above ceiling.
 2. Removed scope of demolishing North wall to accommodate window.
- A1.2 Sheet A101 – Admin Partial Floor Plan
1. Reconfigured reception entry and added store front system at West and North walls of reception A102.
 2. Relocated entry door into reception from North wall to West wall inside of store front glazing system.
 3. Adjusted extents of Alternate 2 security film to include portions of added store front glass at vestibule.
 4. Added casework section call-outs E2/A430 and D2/A430 to clarify size and construction of reception desk.
 5. Added furring wall to Corridor A101 to house any electrical conduit necessary for wall mounted visual display television relocated from vestibule to corridor and removed line type indicating security glazing at interior window type 8 and door A102B.
 6. Updated detail A2/A101 to reflect structural column changes.
 7. Added detail callouts for detail A3/A620 at existing windows.
 8. Reduce amount of laminated security film glazing at exterior vestibule glazing system
 9. Add keynote 16 callout and sim. callout A3/A620 to remove carpet from existing walls and provide new window sills.
 10. Reworded keynote 08 to include below window
 11. Added ALT-02 to line type indicating laminate security film glazing

12. Updated Floor Plan General Notes to include references to sheets G200, G201 and G300. Included Abuse Resistant Gyp Bd. note.
- A1.3 Sheet A102 – Counseling Partial Floor & Demolition Plans
1. Added Alt-02 note to Laminated Security Film Glazing
 2. Updated Floor Plan General Notes to include Abuse Resistant Gyp. Bd.
- A1.4 Sheet A103 – Classroom Floor Plan – Bid Alt 1
1. Removed keynote 06 and adjusted construction extent to include Offices adjacent to Storage A127.
- A1.5 Sheet A120 – Roof Plan – Overall
1. Updated Roof Plan General notes with Correct **A340 Roof Details** reference.
- A1.6 Sheet A121 – Partial Roof Plan & Details
1. Updated detail and callouts on E4/A121
 2. Updated extents of overbuild to include angled overbuild at both ends.
- A1.7 Sheet A200 – Exterior Elevations
1. Updated A1/A200 to include expanded foam at exterior expansion joint.
- A1.8 Sheet A300 – Sections
1. Updated section A2 showing correct spacing and relationship between studs and sheathing.
- A1.9 Sheet A301 – Sections
1. Updated sections E4 and E5 to align correctly with structural requirements.
- A1.10 Sheet A331 – Envelope Details
1. Added callout for J-Channel and drip edge to detail E2/A331
- A1.11 Sheet A410 – Interior Elevations
1. Added millwork callouts to rolling storage carts in elevation A4
 2. Added millwork dimensions to elevation B2, C2, D4 & E5 for typical layouts
 3. Added section callout to casework elevation C2, C3 & D3 to clarify size and construction of reception desk
 4. Re-print sheet to clean-up structural joists and mechanical ductwork that had been modeled too low into some spaces.
 5. Added keynote 3 on C3 and C2 to provide finish casework privacy panel at window wall side of desk.
 6. Removed Elevation D1
 - 7.
- A1.12 Sheet A411 – Interior Elevations
1. Updated detail A2/A411 to show whiteboard in lieu of graphical brick representation.
 2. Adjusted visual representation of existing walls in A4 and B2
- A1.13 Sheet A430 – Casework Details
1. Added Millwork details C1, C2, C3, and D1 to clarify admin millwork construction.
- A1.14 Sheet A620 – Window Types & Details
1. Replaced head detail with corrected Sill detail A3/A620
 2. Updated window type 7 and 6 to show updated administration entrance glazing system with Alt 2

security film.

3. Deleted security film hatch from window types 4 and 5
4. Added "SIM" to Window Type 8 detail callouts

A1.15 Sheet A640 – Finish Schedule

1. Added remarks to finish schedule to include SS1 windowsills at existing windows.

A1.16 Sheet A652 – Admin Partial Floor Finish Plan

1. Add floor pattern to replace any damaged floor tile during locker demolition to match existing flooring.

A1.17 Sheet A701 – Admin Reflected Ceiling Plans

1. Adjust alignment of wall and ceiling between admin space and vestibule to reflect new wall squaring off NW corner of admin space.
2. Manual window shades added to Office A104, A105, A107 and Principal A106 referenced with detail D2/A710
3. Added detail callout C3/A710.
4. Added RCP General note to field verify ceiling heights

A1.18 Sheet A702 – Counseling RCP

1. Added Gyp. Bd. Ceiling to entry of room A116

A1.19 Sheet A703 – Classroom Reflected Ceiling Plans Bid Alt 1

1. Adjust visual representation of ceilings in offices adjacent to Storage A127 to show that ceilings and fixtures are to be removed as required for modification of roof framing per structural drawings (Keynote 4 and Demo 21).
2. Provide new ceiling and fixtures in offices adjacent to Storage A127 if necessary.
3. Manual window shades added to Classroom A124, A121 and Breakout A123, referenced with detail callout D2/A710.

A1.20 Sheet A710 – Ceiling Details

1. Added detail C3/A710
2. Changed detail designation A1 to C4.
3. Adjusted detail D2 to show suspended ceiling height at correct elevation and roller shade surface mounted.

Mechanical/Plumbing

M1.1 Sheet M100 - Mechanical plan admin

1. A round 8" duct has been changed to a 10"X6" round oval duct.

M1.2 Sheet M102 – Mechanical plan - Counseling

1. Diffuser D-5 has been changed to D-1.

M1.3 Sheet M103 – Classroom Mechanical plan Bid Alt.1

1. Two exhaust fan grilles that were to remain are now being removed.

M1.4 Sheet P103 – Plumbing plan - Classrooms Bid Alt.1

1. Roof Scuppers have been added to the two canopies on the north and south of the classroom addition.

M1.5 Sheet P105 – Plumbing Schedule

1. The roof scuppers associated with note M1.4 were added to the plumbing schedule.
2. The tempering valve was removed and is not required for L-1.

Electrical

E1.1 Sheet ED103 - COUNSELING DEMOLITION ELECTRICAL PLAN

1. Add note to remove existing radiant heater.

E1.2 Sheet EL101 - CLASSROOM ADDITION LIGHTING PLAN – BID ALT 1

1. Remove existing light fixtures in offices X247 and X249 and place new TR1 fixtures as shown in attached EL101 sheet.
2. Add note L2 *"CONTRACTOR TO VERIFY EXISTING CIRCUIT IN ROOM. EXTEND AS REQUIRED FOR NEW LIGHT FIXTURE INSTALLATION"*.

E1.3 Sheet EL102 - ADMIN LIGHTING PLAN

1. Move exit sign and switch to the new location shown.

E1.4 Sheet EL601 - LIGHT FIXTURE SCHEDULE

1. Refer to sheet for updated light fixture schedule.

E1.5 Sheet EP101 - CLASSROOM ADDITION POWER PLAN – BID ALT 1

1. Circuit exhaust fan EF-3 to circuit P-41.

E1.6 Sheet EP102 - ADMIN POWER FLOOR PLAN

1. Add power and data for display in corridor A101.
2. Remove outlet in vestibule that clashes with glass panel.
3. Move ADA operators to the new door location.
4. Relocate power and data device that clashes with the glass panel and move to counter space behind reception desk.

E1.7 Sheet EP801 - PANEL SCHEDULES

1. Add new breaker and circuit in panel SA to power the display in corridor A101.

E1.8 Sheet EY101 - CLASSROOM ADDITION SYSTEMS PLAN – BID ALT 1

1. Remove duct smoke detectors and add control modules in locations indicated on sheet.

E1.9 Sheet EY102 - ADMIN SYSTEMS PLAN

1. Add CO detector to Reception A102.
2. Move card reader and door hardware detail to the new door location.
3. Add Note Y2 *"PROVIDE CARBON MONOXIDE DETECTOR. LOCATE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLUE STROBE FOR ANNUNCIATION OF CARBON MONOXIDE DETECTION IN RECEPTION AREA. COORDINATE LOCATION WITH FIRE ALARM SUPPLIER"*

PRIOR TO ROUGH-IN".

E1.10 Sheet EA101 - CLASSROOM ADDITION AUDIO VISUAL PLAN

1. Removed demoed walls from floor plan.
2. Remove NET2 device.

E1.11 Sheet EA102 - CLASSROOM ADDITION AUDIO VISUAL PLAN BID ALT 1

1. Added interior hallway intercom speakers.
2. Added exterior recessed intercom speakers.
3. Added new keynotes.

E1.12 Sheet EA103 - COUNSELING AUDIO VISUAL FLOOR PLAN

1. Relocated 'net' device.

E1.13 Sheet EI101 - ADMIN INTERCOM PLAN

1. Updated intercom riser and equipment list to include intercom components for classroom bid alt #1.

C. Product Approvals

The following products and manufacturers are approved for bidding and may be incorporated into the work, subject to compliance with Contract Document requirements as if they were originally listed in the technical specifications.

P1.1	Product: Shower	Manufacturer: Acorn
P1.2	Product: DR1	Manufacturer: Nora Lighting
P1.3	Product: X1	Manufacturer: Barron Lighting Group

Attachments

02 ARL Table of Contents_Add 01, 03000107 Seals Page_Add 01, 024119 – Selective Demolition_Add 01, 064023 – Interior Architectural Woodwork_Add 01, 087100 – Door Hardware v5_Add 01, 096513 – Resilient Base and Accessories_Add 01, 105113 – Metal Lockers_Add 01, A8 6 Month Surveillance Form ACBM_Add 01, 220000 - Plumbing-3, 220000 - Plumbing-5, G300, SB102, SB103, SB601, SF103, SF201, SF511, SF512, AD100, A101, A102, A103, A121, A200, A300, A301, A331, A410, A411, A430, A620, A640, A652, A701, A702, A703, A710, M101, M102, M103, P103, P501, ED103, EL101, EL102, EL601, EP101, EP102, EP801, EY102, EA101, EA012, EA103, EI01

End of Addendum 01 - ARL

TABLE OF CONTENTS

Division	Section Title	Pages
DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS		
Document 000107	Seals Page	
Document 000115	List of Drawing Sheets	
Document 001116	Invitation for Bids	
Instructions to Bidders, AIA A701-2018		
Document 002213	Supplementary Instructions to Bidders	
Document 002600	Procurement Substitution Procedures	
Document 004113	Bid Form	
Document 004313	Bid Security Forms	
Bid Bond, A310-2010		
Standard Form of Agreement between Owner and Contractor, A101-2017		
A101 – 2017 Exhibit A		
General Conditions, AIA A201-2017		
Supplementary Conditions to A201 General Conditions		
Payment Bond, AIA A312-2010		
Performance Bond, AIA A312-2010		
Change Order, AIA G701-2017		
Application for Payment, AIA G702		
Continuation Sheet, AIA G703		
DIVISION 01 - GENERAL REQUIREMENTS		
011000	Summary	
012100	Allowances	
012300	Alternates	
012500	Substitution Procedures	
012600	Contract Modification Procedures	
012900	Payment Procedures	
013100	Project Management and Coordination	
013200	Construction Progress Documentation	
013233	Photographic Documentation	
013300	Submittal Procedures	
014000	Quality Requirements	
014200	References	
015000	Temporary Facilities and Controls	
016000	Product Requirements	
017300	Execution	
017419	Construction Waste Management and Disposal	
017700	Closeout Procedures	
017823	Operation and Maintenance Data	
017839	Project Record Documents	
017900	Demonstration and Training	
DIVISION 02 - EXISTING CONDITIONS		
024119	Selective Demolition	
DIVISION 03 - CONCRETE		
033000	Cast-in-place Concrete	

034500 - Precast Architectural Concrete

DIVISION 04 - MASONRY

042000 Unit Masonry

DIVISION 05 - METALS

051200 Structural Steel Framing
053100 Steel Decking
054000 Cold-Formed Metal Framing
055000 Metal Fabrications
055213 Pipe and Tube Railings

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

061000 Rough Carpentry
061600 Sheathing
064023 Interior Architectural Woodwork

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

071113 Bituminous Dampproofing
071326 Self-Adhering Sheet Waterproofing
071900 Water Repellents
072100 Thermal Insulation
072119 Foamed-in-Place Insulation
072413 Polymer-Based Exterior Insulation And Finish System (EIFS)
074213.23 Metal Composite Material Wall Panels
074293 Soffit Panels
075401 Induction Fastening Systems for Thermoplastic Membrane Roofing
075419 Polyvinyl-Chloride Roofing
076200 Sheet Metal Flashing and Trim
077200 Roof Accessories
079100 Preformed Joint Sealants
079200 Joint Sealants
079219 Acoustical Joint Sealants
079513.13 Interior Expansion Joint Cover Assemblies

DIVISION 08 - OPENINGS

081113 Hollow Metal Door Frames
081416 Flush Wood Doors
083113 Access Doors and Frames
084113 Aluminum-Framed Entrances and Storefronts
084413 Glazed Aluminum Curtain Walls
087100 Door Hardware
088000 Glazing

DIVISION 09 - FINISHES

092216 Non-Structural Metal Framing
092900 Gypsum Board
093013 Ceramic Tiling
095113 Acoustical Panel Ceilings
096513 Resilient Base and Accessories
096519 Resilient Tile Flooring

096813	Tile Carpeting
097200	Wall Coverings
097260	Tackable Wallcovering
099113	Exterior Painting
099123	Interior Painting

DIVISION 10 - SPECIALTIES

101100	Visual Display Units
101416	Plaques
101419	Dimensional Letter and Graphic Signage
102600	Wall and Door Protection
102800	Toilet, Bath, and Laundry Accessories
104413	Fire Protection Cabinets
104416	Fire Extinguishers
107516	Ground-Set Flagpoles

DIVISION 11 – EQUIPMENT

116615	School Equipment
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DIVISION 12 - FURNISHINGS

122413	Roller Window Shades
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DIVISION 22 - PLUMBING

220000	Plumbing
220700	Insulation
221113	Facility Water Distribution Piping
221313	Facility Sanitary Sewers
221423	Storm Drainage Piping Specialties

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)

230000	Heating - Cooling
230100	General Provisions
230501	Testing
230593	Balancing
230800	System Commissioning
230900	Basic Materials and Methods
233000	Air Distribution

DIVISION 25 – INTEGRATED AUTOMATION

251000	Automatic Temperature Controls
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DIVISION 26 - ELECTRICAL

260001	Electrical General Provisions
260070	Electrical Connections for Equipment
260072	Electrical Supports and Seismic Restraints
260080	Electrical Demolition
260110	Conduit Raceways
260120	Conductors and Cables
260135	Electrical Boxes and Fittings
260140	Wiring Devices
260160	Panelboards

260170	Disconnect Switches
260180	Overcurrent Protective Devices
260289	Surge Protective Devices
260435	Protective Device Study
260452	Grounding
260536	Cable Trays
260560	Network Lighting Control Systems
260800	Commissioning and Testing of Electrical Systems
265100	Interior and Exterior Building Lighting
265200	Exterior Area Lighting

DIVISION 27 - COMMUNICATIONS

270526	Grounding and Bonding for Communications Systems
271500	Communications Horizontal Cabling
275115	Audio Systems
275117	Video Systems
275123	Educational Intercommunciaton And Program System

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

280721	Digital, Addressable Fire-Alarm Systems
280730	Access Control System
282300	Video Surveillance

DIVISION 31 – EARTHWORK

310513	Common Fill
311000	Site Clearing
312000	Earth Moving

DIVISION 32 – EXTERIOR IMPROVEMENTS

320105	Information, Regulatory, and Warning Signs
321123	Aggregate Base Courses
321216	Asphalt Paving
321313	Concrete Paving
321373	Concrete Paving Joint Sealants
321450	Cobble and Stone
321613	Driveway Sidewalk Curb Gutter
321723	Pavement Marking Paint
328400	Irrigation Systems
329113	Soil Preparation
329200	Turf and Grasses
329250	Landscape Restoration
329300	Plants

DIVISION 33 – UTILITIES

330500	Common Work Results for Utilities
334100	Storm Utility Drainage Piping
334600	Subdrainage

APPENDIX

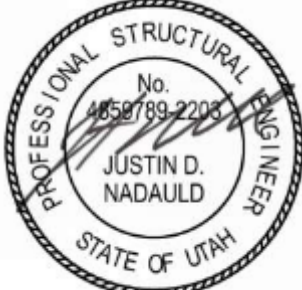
Utah Tax Exemption Certification Form TC-721g
License and Indemnification Agreement

Substitution Request Before Bid
Substitution Request After Bid
Substitution Request For Cause
6 Month Surveillance Form [Asbestos Containing Materials]

END OF TABLE OF CONTENTS

DOCUMENT 000107 - SEALS PAGE

DESIGN PROFESSIONALS OF RECORD

		
ARCHITECT	STRUCTURAL ENGINEER	MECHANICAL ENGINEER
		
ELECTRICAL ENGINEER	CIVIL ENGINEER	LANDSCAPE ARCHITECT

All professional seals (stamps) to be signed and dated; Architect Licensing Act Rules R156-3a, Utah Administrative Code, paragraph 601 and Professional Engineers Licensing Act Rules R156-22, Utah Administrative Code, paragraph 601.

AR Lyman Middle School Security Upgrades
San Juan School District

MHTN Project No. 2023554.01
Construction Documents – 6 February 2026
Addendum 1 – 20 February 2026

SECTION 024119 - SELECTIVE DEMOLITION

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. Section Includes:
 - 1. Demolition and removal of selected portions of building or structure.
 - 2. Demolition and removal of selected site elements.
- B. Related Requirements:
 - 1. Section 011000 "Summary" for restrictions on use of the premises, Owner-occupancy requirements, and phasing requirements.
 - 2. Section 017300 "Execution" for cutting and patching procedures.
 - 3. Section 017419 "Construction Waste Management and Disposal" for disposal of demolished materials.
 - 4. Section 311000 "Site Clearing" for site clearing and removal of above- and below-grade improvements not part of selective demolition.
 - 5. Section 312000 "Earth Moving" for earthwork requirements associated with selective demolition operations.
 - 6. Section 330500 "Common Work Results for Utilities" for removal of site utility systems piping, equipment, and components.
 - 7. Appendix "6 Month Surveillance Form [Asbestos Containing Building Materials]" for executive summary of existing asbestos containing building materials.
- C. Demolition Scope:
 - 1. Demolition includes, but is not limited to, the removal of items within the demolition limit lines as indicated on Drawings.

1.3 DEFINITIONS

- A. Dismantle: To remove by disassembling or detaching an item from a surface, using gentle methods and equipment to prevent damage to the item and surfaces; disposing of items unless indicated to be salvaged or reinstalled.
- B. Existing to Remain: Leave existing items that are not to be removed and that are not otherwise indicated to be salvaged or reinstalled.
- C. Remove: Detach items from existing construction and dispose of them off-site unless indicated to be salvaged or reinstalled.

- D. Remove and Reinstall: Detach items from existing construction, in a manner to prevent damage, prepare for reuse, and reinstall where indicated.
- E. Remove and Salvage: Detach items from existing construction, in a manner to prevent damage, and deliver to Owner as indicated.

1.4 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.

1.5 COORDINATION

- A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

1.6 PREINSTALLATION MEETINGS

- A. Predemolition Conference: Conduct conference at Project site .
 - 1. Inspect and discuss condition of construction to be selectively demolished.
 - 2. Review structural load limitations of existing structure.
 - 3. Review and finalize selective demolition schedule and verify availability of demolition personnel, equipment, and facilities needed to make progress and avoid delays.
 - 4. Review requirements of Work performed by other trades that rely on substrates exposed by selective demolition operations.
 - 5. Review areas where existing construction is to remain and requires protection.
 - 6. Review and finalize protection requirements.
 - 7. Review procedures for noise control and dust control.
 - 8. Review storage, protection, and accounting for items to be removed for salvage or reinstallation.

1.7 INFORMATIONAL SUBMITTALS

- A. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, for dust control and, for noise control. Indicate proposed locations and construction of barriers.
- B. Schedule of Selective Demolition Activities: Indicate the following:
 - 1. Detailed sequence of selective demolition and removal work, with starting and ending dates for each activity. Ensure Owner's on-site operations are uninterrupted.
 - 2. Interruption of utility services. Indicate how long utility services will be interrupted.
 - 3. Coordination for shutoff, capping, and continuation of utility services.
 - 4. Use of elevator and stairs.
 - 5. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
 - 6. Means of protection for items to remain and items in path of waste removal from building.
- C. Predemolition Photographs or Video: Show existing conditions of adjoining construction, including finish surfaces, that might be misconstrued as damage caused by salvage and

demolition operations. Comply with Section 013233 "Photographic Documentation." Submit before Work begins.

- D. Warranties: Documentation indicating that existing roof warranties are still in effect after completion of selective demolition.

1.8 FIELD CONDITIONS

- A. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.

- B. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.

- 1. Before selective demolition, Owner will remove the following items:

- a. Wall clocks.
 - b. Contents within casework and display cases to be removed.
 - c. Furniture and equipment.
 - d. Visual display units.

- C. Notify Architect of discrepancies between existing conditions and Drawings before proceeding with selective demolition.

- D. Hazardous Materials:

- 1. Existing asbestos containing building materials have been identified by the Owner. The Owner will arrange for removal of known hazardous materials to occur during the school's 2026 summer break, starting no sooner than 23 May 2026 and completing no later than 16 August 2026. It is not expected that additional hazardous materials will be encountered in the Work.

- a. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.

- E. On-site storage or sale of removed items or materials is not permitted.

- F. Utility Service: Maintain existing utilities indicated to remain in service and protect them against damage during selective demolition operations.

- 1. Maintain fire-protection facilities in service during selective demolition operations.

1.9 COORDINATION

- A. Arrange selective demolition schedule so as not to interfere with Owner's operations.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ANSI/ASSP A10.6 and NFPA 241.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that utilities have been disconnected and capped before starting selective demolition operations.
- B. Review Project Record Documents of existing construction or other existing condition and hazardous material information provided by Owner. Owner does not guarantee that existing conditions are same as those indicated in Project Record Documents.
 - 1. Record on Record Document location and extent of all capped and known abandoned utility lines below grade.
- C. Perform a survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during selective building demolition operations.
 - 1. Perform surveys as the Work progresses to detect hazards resulting from selective demolition activities.
- D. Survey of Existing Conditions: Record existing conditions by use of preconstruction photographs or video . Comply with Section 013233 "Photographic Documentation."
 - 1. Inventory and record the condition of items to be removed for salvage or reinstallation. Photograph or video conditions that might be misconstrued as damage caused by removal.
 - 2. Photograph or video existing conditions of adjoining construction including finish surfaces, that might be misconstrued as damage caused by selective demolition operations or removal of items for salvage or reinstallation.

3.2 TRAFFIC

- A. Conduct demolition operations and removal of debris to ensure minimum interference with roads, streets, walks, and other adjacent occupied or used facilities.
 - 1. Do not close or obstruct streets, walks or other occupied or used facilities without permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulation.

3.3 PREPARATION

- A. Permits: Prior to commencing demolition and utility disconnection Work, Contractor shall obtain demolition and utility disconnection permits from authorities having jurisdiction and applicable utility companies.

3.4 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS

- A. Existing Services/Systems to Remain: Maintain services/systems indicated to remain and protect them against damage.
 - 1. Maintain fire-protection facilities in service during selective demolition operations.
- B. Existing Services/Systems to Be Removed, Relocated, or Abandoned: Locate, identify, disconnect, and seal or cap off utility services and mechanical/electrical systems serving areas to be selectively demolished.
 - 1. Owner will arrange to shut off indicated services/systems when requested by Contractor.
 - 2. Relocation: Relocate utilities as indicated. Work performed for relocation of utilities shall conform to new utility line construction requirements.
 - 3. If services/systems are required to be removed, relocated, or abandoned, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to other parts of building.
 - 4. Capping and Abandonment: Cap all existing abandoned utility lines, conduits and drains in accordance with requirements of utility companies having jurisdiction. Remove abandoned lines unless otherwise noted.
 - 5. Overhead Utility Lines: Owner will arrange for utility companies that own, or otherwise control overhead utility lines, to remove and relocate their structures and utility service lines. The Contractor shall coordinate these utility changes with the Owner and utility companies having jurisdiction.
 - 6. If disconnection of utilities and building systems will affect adjacent occupied parts of the building, provide temporary services/systems that bypass area of selective demolition and that maintain continuity of services/systems to those parts of the building.
 - 7. Disconnect, demolish, and remove fire-suppression systems, plumbing, and HVAC systems, equipment, and components indicated on Drawings to be removed.
 - a. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material.
 - b. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material and leave in place.
 - c. Equipment to Be Removed: Disconnect and cap services and remove equipment.
 - d. Ducts to Be Removed: Remove portion of ducts indicated to be removed and plug remaining ducts with same or compatible ductwork material.
 - 8. Remove and reinstall/salvage existing building systems, equipment, and components indicated on drawings to be removed and reinstalled or removed and salvaged:
 - a. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment and components; when appropriate, reinstall, reconnect, and make equipment operational.
 - b. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and components and deliver to Owner.

3.5 PROTECTION

- A. Temporary Protection: Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
 - 1. Provide protection to ensure safe passage of people around selective demolition area and to and from occupied portions of building.
 - 2. Provide temporary weather protection, during interval between selective demolition of existing construction on exterior surfaces and new construction, to prevent water leakage and damage to structure and interior areas.
 - 3. Protect walls, ceilings, floors, and other existing finish work that are to remain or that are exposed during selective demolition operations.
 - 4. Cover and protect furniture, furnishings, and equipment that have not been removed.
 - 5. Comply with requirements for temporary enclosures, dust control, heating, and cooling specified in Section 015000 "Temporary Facilities and Controls."
- B. Temporary Shoring: Design, provide, and maintain shoring, bracing, and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain, and to prevent unexpected or uncontrolled movement or collapse of construction being demolished.
 - 1. Strengthen or add new supports when required during progress of selective demolition.
- C. Remove temporary barricades and protections where hazards no longer exist.
- D. Pollution Controls: Use water sprinkling, temporary enclosures, and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level. Comply with governing regulations pertaining to environmental protection.
 - 1. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, and pollution.
 - 2. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations, as directed by Architect or governing authorities. Return adjacent areas to condition existing prior to start of work.
- E. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location and cleaned and reinstalled in their original locations after selective demolition operations are complete.

3.6 SELECTIVE DEMOLITION, GENERAL

- A. General: Demolish and remove existing construction only to extent required by new construction and as indicated. Use methods required to complete the Work within limitations of governing regulations and as follows:
 - 1. Proceed with selective demolition systematically, from higher to lower level. Complete selective demolition operations above each floor or tier before disturbing supporting members on the next lower level.
 - 2. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping. Temporarily cover openings to remain.

3. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.
 4. Do not use cutting torches until work area is cleared of flammable materials. At concealed spaces, such as duct and pipe interiors, verify condition and contents of hidden space before starting flame-cutting operations. Maintain portable fire-suppression devices during flame-cutting operations.
 5. Maintain fire watch during and for at least four hours after flame-cutting operations.
 6. Maintain adequate ventilation when using cutting torches.
 7. Remove decayed, vermin-infested, or otherwise dangerous or unsuitable materials and promptly dispose of off-site.
 8. Remove structural framing members and lower to ground by method suitable to avoid free fall and to prevent ground impact or dust generation.
 9. Locate selective demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
 10. Promptly repair damage caused to adjacent facilities by demolition operations.
 11. Do not interrupt existing utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to governing authorities.
 12. Dispose of demolished items and materials promptly. Comply with requirements in Section 017419 "Construction Waste Management and Disposal."
- B. Explosives: Use of explosives is not permitted.
- C. Site Access and Temporary Controls: Conduct selective demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed trafficways if required by authorities having jurisdiction.
 2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations. Do not use water when it may damage adjacent construction or create hazardous or objectionable conditions, such as ice, flooding, and pollution.
- D. Removed and Salvaged Items:
1. Clean salvaged items.
 2. Pack or crate items after cleaning. Identify contents of containers with label indicating elements, date of removal, quantity, and location where removed.
 3. Store items in a secure area until delivery to Owner.
 4. Transport items to Owner's storage area on-site.
 5. Protect items from damage during transport and storage.
- E. Removed and Reinstalled Items:
1. Clean and repair items to functional condition adequate for intended reuse.
 2. Pack or crate items after cleaning and repairing. Identify contents of containers.
 3. Protect items from damage during transport and storage.
 4. Reinstall items in locations indicated. Comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make item functional for use indicated.

- F. Existing Items to Remain: Protect construction indicated to remain against damage and soiling during selective demolition. When permitted by Architect, items may be removed to a suitable, protected storage location during selective demolition and cleaned and reinstalled in their original locations after selective demolition operations are complete

3.7 SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

- A. Cutting Asphalt, Concrete and Concrete Block: Saw cut asphalt paving, concrete slabs and concrete block walls with approved saws at lines and levels indicated on drawings. Saw cut concrete walks and curbs only if they cannot be removed to an existing control joint.
- B. Concrete: Demolish in sections. Cut concrete full depth at junctures with construction to remain and at regular intervals using power-driven saw, and then remove concrete between saw cuts.
- C. Masonry: Demolish in small sections. Cut masonry at junctures with construction to remain, using power-driven saw, and then remove masonry between saw cuts.
- D. Concrete Slabs-on-Grade: Saw-cut perimeter of area to be demolished, and then break up and remove.
- E. Resilient and Carpet Floor Coverings:
 - 1. Remove resilient floor coverings and adhesive according to recommendations in RFCI's "Recommended Work Practices for the Removal of Resilient Floor Coverings."
 - 2. Remove carpet floor coverings and adhesive according to recommendations in CRI's installation guidelines.
 - 3. After removal of existing floor finishes, concrete substrate surface shall be in accordance with ASTM F170.
- F. Acoustical Panel Ceilings: Remove ceiling grid, edge moldings and all associated suspension wire to and from supports. Remove and salvage ceiling panels and re-use on project as indicated on Drawings, or if not indicated, deliver to Owner's storage facility.
- G. Roofing: Remove no more existing roofing than what can be covered in one day by new roofing and so that building interior remains watertight and weathertight. See Section 075419 - Polyvinyl-Chloride Roofing for new roofing requirements.
 - 1. Remove existing roof membrane, flashings, copings, and roof accessories.
 - 2. Remove existing roofing system down to substrate where required by roofing replacement at existing structure to remain.
 - 3. Remove existing roofing, including substrate, associated with building structures above grade to be removed.

3.8 DISPOSAL OF DEMOLISHED MATERIALS

- A. Remove demolition waste materials from Project site and recycle or dispose of them in accordance with Section 017419 "Construction Waste Management and Disposal."
 - 1. Do not allow demolished materials to accumulate on-site.
 - 2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.

3. Remove debris from elevated portions of building by chute, hoist, or other device that will convey debris to grade level in a controlled descent.
4. Comply with requirements specified in Section 017419 "Construction Waste Management and Disposal."

B. Burning: Do not burn demolished materials.

3.9 SITE RESTORATION

- A. Site Grading: Uniformly rough grade area of demolished construction to a smooth surface, free from irregular surface changes. Provide a smooth transition between adjacent existing grades and new grades.
- B. Backfill: Excavated areas associated with the removal of all substructures should be backfilled with a well-graded granular material having a maximum size of 2 inches and not more than 15 percent passing a #200 sieve. All earth materials placed in excavated areas should be placed in maximum eight inch loose lifts and densified to an in-place unit weight equal to 95% of the Maximum Laboratory Density as determined by ASTM D 1557-78.

1. Refer to Section 312000 for placement and compaction requirements.

3.10 CLEANING

- A. Clean adjacent structures and improvements of dust, dirt, and debris caused by selective demolition operations. Return adjacent areas to condition existing before selective demolition operations began.

3.11 SELECTIVE DEMOLITION SCHEDULE

- A. Coordinate with Drawings:
 1. Remove: As indicated on Drawings.
 2. Remove and Reinstall: As indicated on Drawings.
 3. Remove and Salvage: As indicated on Drawings.
 4. Existing to Remain: As indicated on Drawings.

END OF SECTION 024119

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 wall cap.
 - 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: $\frac{3}{4}$ 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 wall caps 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 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware
2. Electronic access control system components

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
 - a. "Metal Doors and Frames"
 - b. "Flush Wood Doors"
 - c. "Stile and Rail Wood Doors"
 - d. "Interior Aluminum Doors and Frames"
 - e. "Aluminum-Framed Entrances and Storefronts"
 - f. "Stainless Steel Doors and Frames"
 - g. "Special Function Doors"
 - h. "Entrances"
6. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
7. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
 - a. Review drawings and Sections from related trades to verify compatibility with specified hardware.
 - b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
 - a. Wiring Diagrams: For power, signal, and control wiring and including:
 - 1) Details of interface of electrified door hardware and building safety and security systems.
 - 2) Schematic diagram of systems that interface with electrified door hardware.
 - 3) Point-to-point wiring.
 - 4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
 - a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

4. Door Hardware Schedule:
 - a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
 - b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
 - c. Indicate complete designations of each item required for each opening, include:
 - 1) Door Index: door number, heading number, and Architect's hardware set number.
 - 2) Quantity, type, style, function, size, and finish of each hardware item.
 - 3) Name and manufacturer of each item.
 - 4) Fastenings and other pertinent information.
 - 5) Location of each hardware set cross-referenced to indications on Drawings.
 - 6) Explanation of all abbreviations, symbols, and codes contained in schedule.
 - 7) Mounting locations for hardware.
 - 8) Door and frame sizes and materials.
 - 9) Degree of door swing and handing.
 - 10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.
 5. Key Schedule:
 - a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
 - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
 - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
 - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
 - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
 - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.
- C. Informational Submittals:
1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
 2. Provide Product Data:
 - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
 - b. Include warranties for specified door hardware.
- D. Closeout Submittals:
1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
 - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Final approved hardware schedule edited to reflect conditions as installed.

- d. Final keying schedule
- e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
- f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

- 1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
 - a. Fire door assemblies, in compliance with NFPA 80.
 - b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

- 1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
- 2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
- 3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
 - a. For door hardware: DHI certified AHC or DHC.
 - b. Can provide installation and technical data to Architect and other related subcontractors.
 - c. Can inspect and verify components are in working order upon completion of installation.
 - d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.
- 4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

- 1. Fire-Rated Door Openings:
 - a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
 - b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- 2. Smoke and Draft Control Door Assemblies:

- a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
 - b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
 - 3. Electrified Door Hardware
 - a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
 - 4. Accessibility Requirements:
 - a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.
- C. Pre-Installation Meetings
- 1. Keying Conference
 - a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - 1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - 2) Preliminary key system schematic diagram.
 - 3) Requirements for key control system.
 - 4) Requirements for access control.
 - 5) Address for delivery of keys.
 - 2. Pre-installation Conference
 - a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - b. Inspect and discuss preparatory work performed by other trades.
 - c. Inspect and discuss electrical roughing-in for electrified door hardware.
 - d. Review sequence of operation for each type of electrified door hardware.
 - e. Review required testing, inspecting, and certifying procedures.
 - f. Review questions or concerns related to proper installation and adjustment of door hardware.
 - 3. Electrified Hardware Coordination Conference:
 - a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.
- C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

- D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

1.07 WARRANTY

- A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.
 - 1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
 - 2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
 - a. Mechanical Warranty
 - 1) Exit Devices
 - a) Von Duprin: 3 years
 - 2) Closers
 - a) LCN 4000 Series: 30 years

1.08 MAINTENANCE

- A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.
- B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
 - 1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.
- B. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 25 00.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

- A. Fabrication
 - 1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.
 - 2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.
- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
 - 1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.
- C. Cable and Connectors:
 - 1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
 - 2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
 - 3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.03 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Ives 5BB series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
 - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
 - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
5. 2 inches or thicker doors:
 - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
8. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - a. Steel Hinges: Steel pins
 - b. Non-Ferrous Hinges: Stainless steel pins
 - c. Out-Swinging Exterior Doors: Non-removable pins
 - d. Out-Swinging Interior Lockable Doors: Non-removable pins
 - e. Interior Non-lockable Doors: Non-rising pins
9. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

2.04 CONTINUOUS HINGES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives

B. Requirements:

1. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
2. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
3. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
4. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.

5. On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
6. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.05 FLUSH BOLTS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives

B. Requirements:

1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.06 DEADBOLTS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage B500 Series

B. Requirements:

1. Provide grade 2 deadbolt series conforming to ANSI/BHMA A156.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide deadbolts with standard 2-3/4 inches (70 mm) backset. Provide 2-3/8 inches (60 mm) where noted or if door or frame detail requires. Provide deadbolt with full 1-inch (25 mm) throw, constructed of steel alloy.
4. Provide manufacturer's standard strike.

2.07 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Von Duprin 98/35A series (Owner Standard)

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.

2. Cylinders: Refer to "KEYING" article, herein.
3. Provide smooth touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer's approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

2.08 ELECTRIC STRIKES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Von Duprin 6000 Series

B. Requirements:

1. Provide electric strikes designed for use with type of locks shown at each opening.
2. Provide electric strikes UL Listed as burglary resistant that are tested to a minimum endurance test of 1,000,000 cycles.
3. Where required, provide electric strikes UL Listed for fire doors and frames.
4. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

2.09 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage/Von Duprin PS900 Series
 - b. Security Door Controls 600 series

B. Requirements:

1. Provide power supplies approved by manufacturer of supplied electrified hardware.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.
3. Provide regulated and filtered 24 VDC power supply, and UL class 2 listed.
4. Provide power supplies with the following features:
 - a. 12/24 VDC Output, field selectable.
 - b. Class 2 Rated power limited output.
 - c. Universal 120-240 VAC input.
 - d. Low voltage DC, regulated and filtered.
 - e. Polarized connector for distribution boards.
 - f. Fused primary input.
 - g. AC input and DC output monitoring circuit w/LED indicators.
 - h. Cover mounted AC Input indication.
 - i. Tested and certified to meet UL294.
 - j. NEMA 1 enclosure.
 - k. Hinged cover w/lock down screws.
 - l. High voltage protective cover.

2.10 CYLINDERS

A. Manufacturers: **VERIFY WITH OWNER**

1. Scheduled Manufacturer and Product:
 - a. Schlage

B. Requirements:

1. Provide cylinders/cores to match Owner's existing key system, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.

2.11 KEYING

A. Scheduled System: **VERIFY WITH OWNER**

1. New factory registered system:
 - a. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
2. Existing factory registered system:
 - a. Provide cylinders/cores keyed into Owner's existing factory registered keying system. Comply with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
3. Existing non-factory registered system:
 - a. Provide cylinders/cores keyed into Owner's existing keying system managed by Owner's locksmith, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference. Contact:
 - 1) Firm Name:
 - 2) Contact Person:

3) Telephone:

B. Requirements:

1. Construction Keying:
 - a. Temporary Construction Cylinder Keying.
 - 1) Provide construction cores that permit voiding construction keys without cylinder removal, furnished in accordance with the following requirements.
 - a) Split Key or Lost Ball Construction Keying System.
 - b) 3 construction control keys, and extractor tools or keys as required to void construction keying.
 - c) 12 construction change (day) keys.
 - 2) Owner or Owner's Representative will void operation of temporary construction keys.
 - b. Replaceable Construction Cores.
 - 1) Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
 - a) 3 construction control keys
 - b) 12 construction change (day) keys.
 - 2) Owner or Owner's Representative will replace temporary construction cores with permanent cores.
2. Permanent Keying:
 - a. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.
 - 1) Master Keying system as directed by the Owner.
 - b. Forward biting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
 - c. Provide keys with the following features:
 - 1) Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
 - 2) Patent Protection: Keys and blanks protected by one or more utility patent(s).
 - 3) Geographically Exclusive: Where High Security or Security cylinders/cores are indicated, provide nationwide, geographically exclusive key system complying with the following restrictions.
 - d. Identification:
 - 1) Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
 - 2) Identification stamping provisions must be approved by the Architect and Owner.
 - 3) Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
 - 4) Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
 - 5) Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
 - e. Quantity: Furnish in the following quantities.
 - 1) Permanent Control Keys: 3.
 - 2) Master Keys: 6.
 - 3) Change (Day) Keys: 3 per cylinder/core that is keyed differently
 - 4) Key Blanks: Quantity as determined in the keying meeting.

2.12 KEY CONTROL SYSTEM

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Telkee

B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
 - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
 - b. Provide hinged-panel type cabinet for wall mounting.

2.13 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. LCN 4040XP series (Owner Standard)

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2-inch (38 mm) diameter piston with 5/8-inch (16 mm) diameter double heat-treated pinion journal. QR code with a direct link to maintenance instructions.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards. Provide snap-on cover clip, with plastic covers, that secures cover to spring tube.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck. Provide graphically labelled instructions on the closer body adjacent to each adjustment valve. Provide positive stop on reg valve that prevents reg screw from being backed out.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.14 ELECTROMECHANICAL CLOSER/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. LCN SEM7800 Series

B. Requirements:

1. Provide single-point or multi-point hold-open electromechanical closer/holders as specified. Coordinate voltage requirements and provide transformer if necessary.
2. Provide closer/holders that function as full rack and pinion door closer when current is interrupted or continuous hold-open is not engaged.
3. Provide door closers with fully hydraulic, full rack and pinion action with high strength cylinder and full complement bearings at shaft.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.15 ELECTRO-HYDRAULIC AUTOMATIC OPERATORS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. LCN 4600 series

B. Requirements:

1. Provide low energy automatic operator units with hydraulic closer complying with ANSI/BHMA A156.19.
2. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
3. Provide units with conventional door closer opening and closing forces unless power operator motor is activated. Provide door closer assembly with adjustable spring size, back-check, and opening and closing speed adjustment valves to control door
4. Provide units with on/off switch for manual operation, motor start up delay, vestibule interface delay, electric lock delay, and door hold open delay.
5. Provide drop plates, brackets, and adapters for arms as required for details.
6. Provide actuator switches and receivers for operation as specified.
7. Provide weather-resistant actuators at exterior applications.
8. Provide key switches with LED's, recommended and approved by manufacturer of automatic operator as required for function described in operation description of hardware group below. Cylinders: Refer to "KEYING" article, herein.
9. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.
10. Provide units with vestibule inputs that allow sequencing operation of two units, and SPDT relay for interfacing with latching or locking devices.

2.16 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Burns
 - b. Trimco

B. Requirements:

1. Provide push plates, push bars, pull plates, pulls, and hands-free reversible door pulls with diameter and length as scheduled.

2.17 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Burns
 - b. Trimco

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.18 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:
 - a. Glynn-Johnson
2. Acceptable Manufacturers:
 - a. Sargent
 - b. ABH

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

2.19 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Burns
 - b. Trimco

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button or thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.20 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Zero International
2. Acceptable Manufacturers:
 - a. Reese
 - b. DHSI
 - c. Legacy

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.21 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Burns

b. Trimco

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.22 DOOR POSITION SWITCHES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Schlage
2. Acceptable Manufacturers:
 - a. GE-Interlogix
 - b. Sargent

B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device.

2.23 COAT HOOKS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Burns
 - b. Rockwood

B. Provide coat hooks as specified.

2.24 FINISHES

A. FINISH: BHMA 626/652 (US26D); EXCEPT:

1. Hinges at Exterior Doors: BHMA 630 (US32D)
2. Aluminum Geared Continuous Hinges: BHMA 628 (US28)
3. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
4. Protection Plates: BHMA 630 (US32D)
5. Overhead Stops and Holders: BHMA 630 (US32D)
6. Door Closers: Powder Coat to Match
7. Wall Stops: BHMA 630 (US32D)
8. Latch Protectors: BHMA 630 (US32D)

- 9. Weatherstripping: Clear Anodized Aluminum
- 10. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 - 2. Custom Steel Doors and Frames: HMMA 831.
 - 3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
 - 4. Installation Guide for Doors and Hardware: DHI TDH-007-20
- B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.
- C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.
- I. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
 2. Replace construction cores with permanent cores as indicated in keying section.
 3. Furnish permanent cores to Owner for installation.
- J. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:
1. Conduit, junction boxes and wire pulls.
 2. Connections to and from power supplies to electrified hardware.
 3. Connections to fire/smoke alarm system and smoke evacuation system.
 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
 5. Connections to panel interface modules, controllers, and gateways.
 6. Testing and labeling wires with Architect's opening number.
- K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- L. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.
- M. Door Closers & Auto Operators: Mount closers/operators on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers/operators so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- N. Overhead Stops/Holders: Mount overhead stops/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- O. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- P. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- Q. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- R. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- S. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- T. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.03 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door can close freely from an open position of 30 degrees.
 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
 3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.04 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items per manufacturer's instructions to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.05 DOOR HARDWARE SCHEDULE

- A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.
- B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.
- C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.
- D. Hardware Sets:

142177 OPT0458415 Version 4

Legend:

-  Link to catalog cut sheet
 Electrified Opening

Hardware Group No. 01

For use on Door #(s):

A111 A116

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	PRIVACY SET	195L		626	MKS
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	EA	SET GASKETING	488SBK		BK	ZER
1	EA	COAT AND HAT HOOK	507		626	IVE

Hardware Group No. 02

For use on Door #(s):

A114 A122 A123A A123B A125

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	OFFICE/ENT LOCKSET	195A G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 03

For use on Door #(s):

A104 A105 A106 A107 A109 A110

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	OFFICE/ENT LOCKSET	195A G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 04

For use on Door #(s):

A121 A124 A126

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCKSET	195S G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 04.1

For use on Door #(s):
EX-112B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10 CON		⚡ 689	VON
1	EA	DELAYED PANIC HARDWARE	CX98-L-M996-06-FSE 24 VDC		⚡ 626	VON
1	EA	RIM CYLINDER	20-022		626	SCH
1	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE
2	EA	WIRE HARNESS	CON-XX AS REQUIRED		⚡	SCH
2	EA	CARD READER	BY DIV 28		⚡ BLK	SCE
1	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED		⚡ 628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28		⚡	VON
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28		⚡	

DOORS NORMALLY CLOSED LOCKED AND ARMED.

ENTRY AT PULL SIDE BY CREDENTIAL READER TO SHUNT ALARM AND UNLOCK LEVER FOR ENTRY

AUTHORIZED EGRESS AT PUSH SIDE CREDENTIAL READER TO SHUNT ALARM FOR EGRESS
DELAYED EGRESS SHALL COMPLY WITH THE FOLLOWING EXCERPTED FROM 2021 IBC:

1010.2.13.1 DELAYED EGRESS LOCKING SYSTEM. THE
DELAYED EGRESS LOCKING SYSTEM SHALL BE INSTALLED AND
OPERATED IN ACCORDANCE WITH ALL OF THE FOLLOWING:

1. THE DELAY ELECTRONICS OF THE DELAYED EGRESS
LOCKING SYSTEM SHALL DEACTIVATE UPON ACTUATION
OF THE AUTOMATIC SPRINKLER SYSTEM OR AUTOMATIC
FIRE DETECTION SYSTEM, ALLOWING IMMEDIATE FREE
EGRESS.
2. THE DELAY ELECTRONICS OF THE DELAYED EGRESS
LOCKING SYSTEM SHALL DEACTIVATE UPON LOSS OF
POWER CONTROLLING THE LOCK OR LOCK MECHANISM,
ALLOWING IMMEDIATE FREE EGRESS.
3. THE DELAYED EGRESS LOCKING SYSTEM SHALL HAVE
THE CAPABILITY OF BEING DEACTIVATED AT THE FIRE
COMMAND CENTER AND OTHER APPROVED LOCATIONS.
4. AN ATTEMPT TO EGRESS SHALL INITIATE AN IRREVERS-IBLE
PROCESS THAT SHALL ALLOW SUCH EGRESS IN NOT
MORE THAN 15 SECONDS WHEN A PHYSICAL EFFORT TO
EXIT IS APPLIED TO THE EGRESS SIDE DOOR HARDWARE
FOR NOT MORE THAN 3 SECONDS. INITIATION OF THE
IRREVERSIBLE PROCESS SHALL ACTIVATE AN AUDIBLE
SIGNAL IN THE VICINITY OF THE DOOR. ONCE THE
DELAY ELECTRONICS HAVE BEEN DEACTIVATED, REARM-ING
THE DELAY ELECTRONICS SHALL BE BY MANUAL
MEANS ONLY.

EXCEPTION: WHERE APPROVED, A DELAY OF
NOT MORE THAN 30 SECONDS IS PERMITTED ON A
DELAYED EGRESS DOOR.

5. THE EGRESS PATH FROM ANY POINT SHALL NOT PASS
THROUGH MORE THAN ONE DELAYED EGRESS LOCKING
SYSTEM.

EXCEPTIONS:

1. IN GROUP I-1, CONDITION 2, GROUP
I-2 OR I-3 OCCUPANCIES, THE EGRESS
PATH FROM ANY POINT IN THE BUILD-ING
SHALL PASS THROUGH NOT MORE
THAN TWO DELAYED EGRESS LOCKING
SYSTEMS PROVIDED THAT THE
COMBINED DELAY DOES NOT EXCEED
30 SECONDS.
2. IN GROUP I-1, CONDITION 1 OR
GROUP I-4 OCCUPANCIES, THE EGRESS
PATH FROM ANY POINT IN THE BUILD-ING
SHALL PASS THROUGH NOT MORE
THAN TWO DELAYED EGRESS LOCKING
SYSTEMS PROVIDED THE COMBINED
DELAY DOES NOT EXCEED 30 SECONDS
AND THE BUILDING IS EQUIPPED
THROUGHOUT WITH AN AUTOMATIC
SPRINKLER SYSTEM IN ACCORDANCE

WITH SECTION 903.3.1.1.

6. A SIGN SHALL BE PROVIDED ON THE DOOR AND SHALL BE LOCATED ABOVE AND WITHIN 12 INCHES (305 MM) OF THE DOOR EXIT HARDWARE:

EXCEPTION: WHERE APPROVED, IN GROUP I OCCUPANCIES, THE INSTALLATION OF A SIGN IS NOT REQUIRED WHERE CARE RECIPIENTS WHO BECAUSE OF CLINICAL NEEDS REQUIRE RESTRAINT OR CONTAINMENT AS PART OF THE FUNCTION OF THE TREATMENT AREA.

6.1. FOR DOORS THAT SWING IN THE DIRECTION OF EGRESS, THE SIGN SHALL READ, "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS."

6.2. FOR DOORS THAT SWING IN THE OPPOSITE DIRECTION OF EGRESS, THE SIGN SHALL READ, "PULL UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS."

6.3. THE SIGN SHALL COMPLY WITH THE VISUAL CHARACTER REQUIREMENTS IN ICC A117.1.

7. EMERGENCY LIGHTING SHALL BE PROVIDED ON THE EGRESS SIDE OF THE DOOR.

8. THE DELAYED EGRESS LOCKING SYSTEM UNITS SHALL BE LISTED IN ACCORDANCE WITH UL 294.

Hardware Group No. 05

For use on Door #(s):

A108

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	STOREROOM LOCKSET	195F G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 06

For use on Door #(s):
A128

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	STOREROOM LOCKSET	195F G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 07

For use on Door #(s):
A119 A127

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	STOREROOM LOCKSET	195F G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	OH STOP	90S		630	GLY
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 08

For use on Door #(s):
A113 A115

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	PASSAGE LATCHSET	195N		626	MKS
1	EA	SURFACE CLOSER	4040XP SCUSH TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	SET GASKETING	488SBK		BK	ZER

Hardware Group No. 09

For use on Door #(s):
A120

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	REMOVABLE MULLION	KR4854 STAB		689	VON
2	EA	PANIC HARDWARE	98-L-06		626	VON
1	EA	MORTISE CYLINDER	20-001		626	SCH
2	EA	RIM CYLINDER	20-022		626	SCH
2	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
2	EA	WALL STOP	WS406/407CCV		630	IVE
2	EA	MAGNET	SEM 7800 SERIES AS REQUIRED	 ✎	689	LCN
2	EA	MULLION SEAL	8780NBK PSA		BK	ZER
2	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 10

For use on Door #(s):
A124B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		630	IVE
1	EA	PANIC HARDWARE	98-NL-SNB		626	VON
1	EA	RIM CYLINDER	20-022		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	RAIN DRIP	142AA		AA	ZER
1	SET	GASKETING	429AA-S		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	VERIFY SILL CONDITION		A	ZER
1	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED	 ✎	628	SCE

Hardware Group No. 11

For use on Door #(s):

A130

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	STOREROOM LOCKSET	195F G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

Hardware Group No. 12

For use on Door #(s):
EX-A112A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP		630	IVE
1	EA	POWER TRANSFER	EPT10 CON		✓ 689	VON
1	EA	DELAYED PANIC HARDWARE	CX98-L-M996-06-FSE 24 VDC		✓ 626	VON
1	EA	RIM CYLINDER	20-022		626	SCH
1	EA	SURFACE CLOSER	4040XP SCUSH TBWMS		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	RAIN DRIP	142AA		AA	ZER
1	SET	GASKETING	429AA-S		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	VERIFY SILL CONDITION		A	ZER
2	EA	WIRE HARNESS	CON-XX AS REQUIRED		✓	SCH
2	EA	CARD READER	BY DIV 28		✓ BLK	SCE
1	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED		✓ 628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28		✓	VON
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28		✓	

DOORS NORMALLY CLOSED LOCKED AND ARMED.

ENTRY AT PULL SIDE BY CREDENTIAL READER TO SHUNT ALARM AND UNLOCK LEVER FOR ENTRY

AUTHORIZED EGRESS AT PUSH SIDE CREDENTIAL READER TO SHUNT ALARM FOR EGRESS
DELAYED EGRESS SHALL COMPLY WITH THE FOLLOWING EXCERPTED FROM 2021 IBC:

1010.2.13.1 DELAYED EGRESS LOCKING SYSTEM. THE
DELAYED EGRESS LOCKING SYSTEM SHALL BE INSTALLED AND
OPERATED IN ACCORDANCE WITH ALL OF THE FOLLOWING:

1. THE DELAY ELECTRONICS OF THE DELAYED EGRESS
LOCKING SYSTEM SHALL DEACTIVATE UPON ACTUATION
OF THE AUTOMATIC SPRINKLER SYSTEM OR AUTOMATIC
FIRE DETECTION SYSTEM, ALLOWING IMMEDIATE FREE
EGRESS.
2. THE DELAY ELECTRONICS OF THE DELAYED EGRESS
LOCKING SYSTEM SHALL DEACTIVATE UPON LOSS OF
POWER CONTROLLING THE LOCK OR LOCK MECHANISM,
ALLOWING IMMEDIATE FREE EGRESS.
3. THE DELAYED EGRESS LOCKING SYSTEM SHALL HAVE
THE CAPABILITY OF BEING DEACTIVATED AT THE FIRE
COMMAND CENTER AND OTHER APPROVED LOCATIONS.
4. AN ATTEMPT TO EGRESS SHALL INITIATE AN IRREVERS-IBLE
PROCESS THAT SHALL ALLOW SUCH EGRESS IN NOT
MORE THAN 15 SECONDS WHEN A PHYSICAL EFFORT TO
EXIT IS APPLIED TO THE EGRESS SIDE DOOR HARDWARE
FOR NOT MORE THAN 3 SECONDS. INITIATION OF THE
IRREVERSIBLE PROCESS SHALL ACTIVATE AN AUDIBLE
SIGNAL IN THE VICINITY OF THE DOOR. ONCE THE
DELAY ELECTRONICS HAVE BEEN DEACTIVATED, REARM-ING
THE DELAY ELECTRONICS SHALL BE BY MANUAL
MEANS ONLY.

EXCEPTION: WHERE APPROVED, A DELAY OF
NOT MORE THAN 30 SECONDS IS PERMITTED ON A
DELAYED EGRESS DOOR.

5. THE EGRESS PATH FROM ANY POINT SHALL NOT PASS
THROUGH MORE THAN ONE DELAYED EGRESS LOCKING
SYSTEM.

EXCEPTIONS:

1. IN GROUP I-1, CONDITION 2, GROUP
I-2 OR I-3 OCCUPANCIES, THE EGRESS
PATH FROM ANY POINT IN THE BUILD-ING
SHALL PASS THROUGH NOT MORE
THAN TWO DELAYED EGRESS LOCKING
SYSTEMS PROVIDED THAT THE
COMBINED DELAY DOES NOT EXCEED
30 SECONDS.
2. IN GROUP I-1, CONDITION 1 OR
GROUP I-4 OCCUPANCIES, THE EGRESS
PATH FROM ANY POINT IN THE BUILD-ING
SHALL PASS THROUGH NOT MORE
THAN TWO DELAYED EGRESS LOCKING
SYSTEMS PROVIDED THE COMBINED
DELAY DOES NOT EXCEED 30 SECONDS
AND THE BUILDING IS EQUIPPED
THROUGHOUT WITH AN AUTOMATIC
SPRINKLER SYSTEM IN ACCORDANCE

WITH SECTION 903.3.1.1.

6. A SIGN SHALL BE PROVIDED ON THE DOOR AND SHALL BE LOCATED ABOVE AND WITHIN 12 INCHES (305 MM) OF THE DOOR EXIT HARDWARE:

EXCEPTION: WHERE APPROVED, IN GROUP I OCCUPANCIES, THE INSTALLATION OF A SIGN IS NOT REQUIRED WHERE CARE RECIPIENTS WHO BECAUSE OF CLINICAL NEEDS REQUIRE RESTRAINT OR CONTAINMENT AS PART OF THE FUNCTION OF THE TREATMENT AREA.

6.1. FOR DOORS THAT SWING IN THE DIRECTION OF EGRESS, THE SIGN SHALL READ, "PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS."

6.2. FOR DOORS THAT SWING IN THE OPPOSITE DIRECTION OF EGRESS, THE SIGN SHALL READ, "PULL UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS."

6.3. THE SIGN SHALL COMPLY WITH THE VISUAL CHARACTER REQUIREMENTS IN ICC A117.1.

7. EMERGENCY LIGHTING SHALL BE PROVIDED ON THE EGRESS SIDE OF THE DOOR.

8. THE DELAYED EGRESS LOCKING SYSTEM UNITS SHALL BE LISTED IN ACCORDANCE WITH UL 294.

Hardware Group No. AL01

For use on Door #(s):
A102A

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	026XY EPT / 112XY EPT AS REQUIRED		628	IVE
1	EA	STOREROOM LOCKSET	195F G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	ELECTRIC STRIKE	6211AL FSE CON 12/16/24/28 VAC/VDC	 ⚡	630	VON
1	EA	OH STOP	100S ADJ		630	GLY
1	EA	SURFACE CLOSER	4040XP REG OR PA AS REQ TBWMS		689	LCN
1	EA	MOUNTING PLATE	4040XP-18		689	LCN
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			
1	EA	MULTITECH READER	BY DIV 28	 ⚡	BLK	SCE
1	EA	DESK MOUNT BUTTON	660-PB	 ⚡	628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28	 ⚡		VON
	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28	⚡		

DOOR IS NORMALLY LOCKED. RESTRICTING ENTRY.
AUTHORIZED CREDENTIAL AT CARD READER MOMENTARILY RELEASES ELECTRIC STRIKE TO
ALLOW ENTRY OR EXIT BY KEY.
DESK MOUNT BUTTON MOMENTARILY RELEASES ELECTRIC STRIKE TO ALLOW ENTRY.

Hardware Group No. AL02

For use on Door #(s):
A102B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	026XY EPT / 112XY EPT AS REQUIRED		628	IVE
1	EA	STOREROOM LOCKSET	195F G3		626	MKS
1	EA	CYL TAIL PIECE	F1903C			MKS
1	EA	K-I-L CYLINDER	23-065		626	SCH
1	EA	ELECTRIC STRIKE	6211AL FSE CON 12/16/24/28 VAC/VDC	 ⚡	630	VON
1	EA	OH STOP	100S ADJ		630	GLY
1	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30		689	LCN
1	EA	BLADE STOP SPACER	4040XP-61		689	LCN
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			
1	EA	MULTITECH READER	BY DIV 28	 ⚡	BLK	SCE
1	EA	DESK MOUNT BUTTON	660-PB	 ⚡	628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28	 ⚡		VON
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28	⚡		

DOOR IS NORMALLY LOCKED. RESTRICTING ENTRY.
AUTHORIZED CREDENTIAL AT CARD READER MOMENTARILY RELEASES ELECTRIC STRIKE TO
ALLOW ENTRY OR EXIT BY KEY.
DESK MOUNT BUTTON MOMENTARILY RELEASES ELECTRIC STRIKE TO ALLOW ENTRY.

Hardware Group No. AL03

For use on Door #(s):
A118B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	026XY / 112XY AS REQUIRED		628	IVE
1	EA	REMOVABLE MULLION	5654 AB		628	VON
2	EA	DUMMY PUSH BAR	350		626	VON
2	EA	LONG DOOR PULL (OFFSET)	9264F 36" 20" STD		630	IVE
2	EA	OH STOP	100S ADJ		630	GLY
2	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30		689	LCN
2	EA	BLADE STOP SPACER	4040XP-61		689	LCN
2	EA	MULLION SEAL	8780NBK PSA		BK	ZER
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			

Hardware Group No. AL04

For use on Door #(s):

A100A A100B

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	026XY EPT / 112XY EPT AS REQUIRED		628	IVE
2	EA	POWER TRANSFER	EPT10 CON		✓ 689	VON
1	EA	REMOVABLE MULLION	5654 AB		628	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-EO-CON 24 VDC		✓ 626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-NL-OP-110MD-CON 24 VDC		✓ 626	VON
1	EA	RIM CYLINDER	20-022		626	SCH
2	EA	LONG DOOR PULL (OFFSET)	9264F 36" 20" STD		630	IVE
2	EA	OH STOP	100S ADJ		630	GLY
2	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30		689	LCN
2	EA	BLADE STOP SPACER	4040XP-61		689	LCN
2	EA	MULLION SEAL	8780NBK PSA		BK	ZER
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			
2	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	VERIFY SILL CONDITION		A	ZER
4	EA	WIRE HARNESS	CON-XX AS REQUIRED		✓	SCH
1	EA	MULTITECH READER	BY DIV 28		✓ BLK	SCE
2	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED		✓ 628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28		✓	VON
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28		✓	

DOOR IS NORMALLY LOCKED. RESTRICTING ENTRY.

AUTHORIZED CREDENTIAL AT OUTSIDE CARD READER MOMENTARILY RETRACTS LATCH TO ALLOW ENTRY OR BY KEY.

SHOULD OWNER DESIRE, ACCESS CONTROL SYSTEM MAY HAVE LATCH RETRACTED DURING OPEN HOURS TO ALLOW FREE PUBLIC ENTRY.

INSIDE TOUCHBAR ALWAYS ALLOWS EGRESS.

Hardware Group No. AL05

For use on Door #(s):
A118A

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	026XY EPT / 112XY EPT AS REQUIRED		628	IVE
1	EA	REMOVABLE MULLION	5654 AB		628	VON
2	EA	PANIC HARDWARE	98-EO		626	VON
2	EA	OH STOP	100S ADJ		630	GLY
2	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30		689	LCN
2	EA	BLADE STOP SPACER	4040XP-61		689	LCN
2	EA	MULLION SEAL	8780NBK PSA		BK	ZER
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			
2	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	VERIFY SILL CONDITION		A	ZER
2	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED		⚡ 628	SCE
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28	⚡		

Hardware Group No. AL06

For use on Door #(s):
A101

Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
2	EA	CONT. HINGE	026XY EPT / 112XY EPT AS REQUIRED		628	IVE
2	EA	POWER TRANSFER	EPT10 CON		689	VON
1	EA	REMOVABLE MULLION	5654 AB		628	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-EO-CON 24 VDC		626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-NL-OP-110MD-CON 24 VDC		626	VON
1	EA	RIM CYLINDER	20-022		626	SCH
2	EA	LONG DOOR PULL (OFFSET)	9264F 36" 20" STD		630	IVE
2	EA	OH STOP	100S ADJ		630	GLY
1	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
1	EA	SURF. AUTO OPERATOR	4642 120 VAC		689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30		689	LCN
1	EA	BLADE STOP SPACER	4040XP-61		689	LCN
1	EA	ACTUATOR PKG	8310-3857T			LCN
2	EA	MULLION SEAL	8780NBK PSA		BK	ZER
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			
4	EA	WIRE HARNESS	CON-XX AS REQUIRED			SCH
1	EA	MULTITECH READER	BY DIV 28		BLK	SCE
2	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED		628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28			VON
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28			

DOOR IS NORMALLY LOCKED. RESTRICTING ENTRY.
AUTHORIZED CREDENTIAL AT OUTSIDE CARD READER MOMENTARILY RETRACTS LATCH TO ALLOW ENTRY OR BY KEY.
AUTHORIZED CREDENTIAL AT OUTSIDE CARD READER MOMENTARILY RETRACTS LATCH TO ALLOW ENTRY OR BY KEY.
AUTHORIZED CREDENTIAL AT OUTSIDE CARD READER TO ALLOW ADA PUSH BUTTON TO ACTIVATE AUTO OPERATOR AND OPEN DOOR INSIDE ADA PUSH BUTTON ALWAYS ACTIVE.
SHOULD OWNER DESIRE, ACCESS CONTROL SYSTEM MAY HAVE LATCH RETRACTED DURING OPEN HOURS TO ALLOW FREE PUBLIC ENTRY.
INSIDE TOUCHBAR ALWAYS ALLOWS EGRESS.

Hardware Group No. AL07.1

For use on Door #(s):
A120B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	CONT. HINGE	026XY EPT / 112XY EPT AS REQUIRED		628	IVE
1	EA	POWER TRANSFER	EPT10 CON		⚡ 689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-98-NL-OP-110MD-CON 24 VDC		⚡ 626	VON
1	EA	RIM CYLINDER	20-022		626	SCH
1	EA	LONG DOOR PULL (OFFSET)	9264F 36" 20" STD		630	IVE
1	EA	OH STOP	100S ADJ		630	GLY
1	EA	SURFACE CLOSER	4040XP EDA TBWMS		689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA		689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30		689	LCN
1	EA	BLADE STOP SPACER	4040XP-61		689	LCN
1	SET	SEALS	BY DOOR / FRAME MANUFACTURER			
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	VERIFY SILL CONDITION		A	ZER
2	EA	WIRE HARNESS	CON-XX AS REQUIRED		⚡	SCH
1	EA	CARD READER	BY DIV 28		⚡ BLK	SCE
1	EA	DOOR CONTACT	7764 / 679-05 AS REQUIRED		⚡ 628	SCE
1	EA	POWER / LOW VOLTAGE POWER	BY DIV 28		⚡	VON
1	EA	PIEZOELECTRIC AUDIBLE ALARM	BY DIV 28		⚡	

DOOR IS NORMALLY LOCKED. RESTRICTING ENTRY.
AUTHORIZED CREDENTIAL AT OUTSIDE CARD READER MOMENTARILY RETRACTS LATCH TO
ALLOW ENTRY OR BY KEY.
INSIDE TOUCHBAR ALWAYS ALLOWS EGRESS.

END OF SECTION

SECTION 096513 - RESILIENT BASE AND ACCESSORIES

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. Thermoset-rubber base.
 - 2. Rubber molding accessories.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
 - 2. Include manufacturer's written installation instructions for each type of substrate.
- B. Samples: For each exposed product and for each color and texture specified, not less than 12 inches long.
- C. Samples for Initial Selection: For each type of exposed product.
- D. Samples for Verification: For each type of exposed product indicated and for each color, texture, and pattern required in manufacturer's standard-size Samples, but not less than 12 inches long.
- E. Product Schedule: For resilient base and accessory products. Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For resilient base and accessory products, for tests performed by a qualified testing agency.

1.5 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. Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

1.6 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. Coordinate mockups in this Section with mockups specified in other Sections.
 - 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.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.8 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: As determined by testing identical products in accordance with ASTM E648 or ASTM E662 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.2 THERMOSET-RUBBER BASE – RB1

- 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. Burke Mercer Flooring Products; a division of Burke Industries Inc.
 - 2. Johnsonite; A Tarkett Company.

3. Roppe Corporation, USA.
- B. Product Standard: ASTM F 1861, Type TS (rubber, vulcanized thermoset), Group I (solid, homogeneous).
 1. Style and Location:
 - a. Style B, Cove.
- C. Thickness: 0.125 inch.
- D. Height: 4 inches.
- E. Lengths: Coils in manufacturer's standard length.
- F. Outside Corners: Preformed.
- G. Inside Corners: Job formed.
- H. Colors: As indicated by manufacturer's designations.

2.3 RESILIENT MOLDING ACCESSORIES

- A. Rubber Molding Accessories **TR4, TR5, TR6**:
 1. Accessory Description: Nosing for carpet and resilient floor coverings.
- B. Locations: Provide resilient molding accessories in areas indicated.
- C. Colors and Patterns: As selected by Architect from manufacturer's full range.

2.4 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- C. Do not install resilient products until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

3.3 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
- G. Preformed Corners: Install preformed corners before installing straight pieces.
- H. Job-Formed Corners:
 - 1. Inside Corners: Use straight pieces of maximum lengths possible.
 - a. Miter or cope corners to minimize open joints.

3.4 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.

- B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor covering that would otherwise be exposed.

3.5 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Perform the following operations immediately after completing resilient-product installation:
 - 1. Remove adhesive and other blemishes from surfaces.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.

END OF SECTION 096513

SECTION 105113 - METAL LOCKERS

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. Knocked-down staff lockers.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of metal locker.
- B. Shop Drawings: For metal lockers.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Show locker trim and accessories.
 - 3. Include locker identification system and numbering sequence.
- C. Samples: For each color specified, in manufacturer's standard size.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Sample Warranty: For special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver metal lockers until spaces to receive them are clean, dry, and ready for their installation.

1.7 FIELD CONDITIONS

- A. Field Measurements: Verify actual dimensions of recessed openings by field measurements before fabrication.

1.8 COORDINATION

- A. Coordinate sizes and locations of concrete bases for metal lockers.
- B. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other Sections to ensure that metal lockers can be supported and installed as indicated.

1.9 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of metal lockers that fail in materials or workmanship, excluding finish, within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Faulty operation of latches and other door hardware.
 - 2. Damage from deliberate destruction and vandalism is excluded.
 - 3. Warranty Period for Knocked-Down Metal Lockers: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain metal lockers , locker benches, and accessories from single source from single locker manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Accessibility Standard: For lockers indicated to be accessible, comply with applicable provisions in the USDOJ's "2010 ADA Standards for Accessible Design" and ICC A117.1 .

2.3 KNOCKED-DOWN STAFF LOCKERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. ASI Storage Solutions; ASI Group.
 - 2. Lyon Workspace Products, LLC.
 - 3. Penco Products, Inc.
 - 4. Republic Storage Systems, LLC.

- B. Size: Double-tier, 12 inches wide by 15 inches deep by 72 inches tall.
- C. Doors: One piece; fabricated from 0.060-inch nominal-thickness steel sheet; formed into channel shape with double bend at vertical edges and with right-angle single bend at horizontal edges.
 - 1. Doors less than 12 inches wide may be fabricated from 0.048-inch nominal-thickness steel sheet.
 - 2. Reinforcement: Manufacturer's standard reinforcing angles, channels, or stiffeners for doors more than 15 inches wide; welded to inner face of doors.
 - 3. Stiffeners: Manufacturer's standard full-height stiffener fabricated from 0.048-inch nominal-thickness steel sheet; welded to inner face of doors.
 - 4. Door Style: Vented panel as follows:
 - a. Louvered Vents: No fewer than three louver openings at top and bottom for double-tier lockers.
- D. Body: Assembled by riveting or bolting body components together. Fabricate from unperforated steel sheet with thicknesses as follows:
 - 1. Tops, Bottoms, and Intermediate Dividers: 0.024-inch nominal thickness, with single bend at sides.
 - 2. Backs and Sides: 0.024-inch nominal thickness, with full-height, double-flanged connections.
 - 3. Shelves: 0.024-inch nominal thickness, with double bend at front and single bend at sides and back.
- E. Frames: Channel formed; fabricated from 0.060-inch nominal-thickness steel sheet; lapped and factory welded at corners; with top and bottom main frames factory welded into vertical main frames. Form continuous, integral, full-height door strikes on vertical main frames.
- F. Hinges: Welded to door and attached to door frame with no fewer than two factory-installed rivets per hinge that are completely concealed and tamper resistant when door is closed; fabricated to swing 180 degrees.
 - 1. Knuckle Hinges: Steel, full loop, five or seven knuckles, tight pin; minimum 2 inches high. Provide no fewer than three hinges for each door more than 42 inches high.
- G. Recessed Door Handle and Latch: Stainless steel cup with integral door pull, recessed so locking device does not protrude beyond door face; pry and vandal resistant.
 - 1. Single-Point Latching: Nonmoving latch hook with steel padlock loop that projects through recessed cup and is finished to match metal locker body.
 - a. Latch Hook: Equip each door with one latch hook, fabricated from 0.105-inch nominal-thickness steel sheet; welded midway up full-height door strike; with resilient silencer.
- H. Locks: Combination padlocks .
- I. Identification Plates: Manufacturer's standard, etched, embossed, or stamped aluminum plates, with numbers and letters at least 3/8 inch high.
- J. Hooks: Manufacturer's standard ball-pointed hooks, aluminum or steel; zinc plated.

- K. Continuous Sloping Tops: Fabricated from manufacturer's standard thickness, but not less than 0.036-inch nominal-thickness steel sheet.
- L. Filler Panels: Fabricated from manufacturer's standard thickness, but not less than 0.036-inch nominal-thickness steel sheet.
- M. Materials:
 - 1. Cold-Rolled Steel Sheet: ASTM A1008/A1008M, Commercial Steel (CS), Type B, suitable for exposed applications.
- N. Finish: Baked enamel or powder coat.
 - 1. Color: As selected by Architect from manufacturer's full range .

2.4 LOCKS

- A. Combination Padlock: Provided by Owner.

2.5 FABRICATION

- A. Fabricate metal lockers square, rigid, without warp, and with metal faces flat and free of dents or distortion. Make exposed metal edges safe to touch and free of sharp edges and burrs.
 - 1. Form body panels, doors, shelves, and accessories from one-piece steel sheet unless otherwise indicated.
 - 2. Provide fasteners, filler plates, supports, clips, and closures as required for complete installation.
- B. Fabricate each metal locker with an individual door and frame; individual top, bottom, and back; and common intermediate uprights separating compartments.
- C. Equipment: Provide each locker with an identification plate and the following equipment:
 - 1. Double-Tier Units: One double-prong ceiling hook and two single-prong wall hooks.
- D. Knocked-Down Construction: Fabricate metal lockers by assembling at Project site , using manufacturer's nuts, bolts, screws, or rivets.
- E. Accessible Lockers: Fabricate as follows:
 - 1. Locate bottom shelf no lower than 15 inches above the floor.
 - 2. Where hooks, coat rods, or additional shelves are provided, locate no higher than 48 inches above the floor.
- F. Continuous Sloping Tops: Fabricated in lengths as long as practical, without visible fasteners at splice locations; finished to match lockers.
- G. Filler Panels: Fabricated in an unequal leg angle shape; finished to match lockers. Provide slip-joint filler angle formed to receive filler panel.

2.6 ACCESSORIES

- A. Fasteners: Zinc- or nickel-plated steel, slotless-type, exposed bolt heads; with self-locking nuts or lock washers for nuts on moving parts.
- B. Anchors: Material, type, and size required for secure anchorage to each substrate.
 - 1. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls for corrosion resistance.
 - 2. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine walls and floors or support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install lockers level, plumb, and true; shim as required, using concealed shims.
 - 1. Anchor locker runs at ends and at intervals recommended by manufacturer, but not more than 36 inches o.c. Using concealed fasteners, install anchors through backup reinforcing plates, channels, or blocking as required to prevent metal distortion.
 - 2. Anchor single rows of metal lockers to walls near top of lockers and to floor.
- B. Knocked-Down Lockers: Assemble with manufacturer's standard fasteners, with no exposed fasteners on door faces or face frames.
- C. Equipment:
 - 1. Attach hooks with at least two fasteners.
 - 2. Attach door locks on doors using security-type fasteners.
 - 3. Identification Plates: Identify metal lockers with identification indicated on Drawings.
 - a. Attach plates to each locker door, near top, centered, with at least two aluminum rivets.
- D. Trim: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.
 - 1. Attach filler panels with concealed fasteners. Locate filler panels where indicated on Drawings.
 - 2. Attach sloping-top units to metal lockers, with closures at exposed ends.

3.3 ADJUSTING

- A. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily without binding.

3.4 PROTECTION

- A. Protect metal lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.
- B. Touch up marred finishes, or replace metal lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

END OF SECTION 105113

6-Month Periodic Surveillance Form

SAN JUAN SCHOOL DISTRICT

ALBERT R. LYMAN School

Date: 10-7-25

Periodic Surveillance of Asbestos-Containing Building Materials (ACBM) in this school was performed this date by CRAIG FORA. The following ACBM, as listed in the management plan, was included:

ACBM	LOCATION	CHANGE/NO CHANGE
	<i>*Old section under carpet</i>	
<u>9" TILE & MASTIC</u>	<u>OLD SECTION UNDER CARPET</u>	<u>N/C</u>
<u>12" TILE & MASTIC</u>	<u>CAFETERIA</u>	<u>N/C</u>
<i>Thermal system insulation</i>		
<u>TSI</u>	<u>TUNNELS, DORMIT STORAGE</u>	<u>N/C</u>
<i>**Window glazing</i>		
<u>WINDOW GLAZING</u>	<u>SOUTH WINDOWS</u>	<u>N/C</u>

**Old section = From the main doors down hall and the south portion of the building*

Basement under the Kitchen area where the old Boiler was removed, All White Pipe Fittings going into the tunnels around the perimeter of the school and piping going into Classroom Radiators have tested positive for Asbestos.

All 9" floor tile in the school has tested positive for Asbestos.

***Windows on the South Portion of the building tested positive for Asbestos*

Signature

[Signature]

Date

10-7-25

Note: Red text indicates clarification provided by the Owner.

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	Sink: (Classroom) Bid alt. 01	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 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.
S-1L	Sink: (Classroom) Bid alt. 01	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 left 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.

WB-1	Washer Box:	Guy Gray WB-200 "Duo-Cloz" for on-the-wall installation with concealed piping, dual 1/2" ball valves with single level on-off control and hose connections. Rough chrome plate finish. (Verify mounting height with existing conditions). Provide 1-1/2" standpipe drain with P-trap for waste connection.
IMB-1	Ice Maker Box:	Guy Gray BIM-875 for in-the-wall installation with concealed piping, 1/2" ball valve. 18-gauge dipped galv. steel finish. Face plate with 20-gauge box. (Verify mounting height with conditions).
FD-1	Floor Drain:	Zurn #Z-415-4 2" cast iron drain with nickel bronze top. Drain to have deep seal P-trap with Provent "trap guard".
FD-2	Floor Drain: Bid alt. 01	Zurn #Z-415-4 2" cast iron drain with nickel bronze top. Drain to have deep seal P-trap with Provent "trap guard".
SD-1	Shower Drain:	Zurn #Z-415-4 2" cast iron drain with chrome-plated bronze square top. Drain to have deep seal P-trap. Provide Pro Vent systems Proset trap guard in all SD-1 shower drains.
RD-1	Roof Drain: Bid alt. 01	J.R. Smith #1010-ARC, roof drain cast iron type with flashing collar, C.I. dome, gravel guard, extension, sump receiver, and underdeck clamp. See plans for sizes.
RD-2	Roof Drain: (Secondary) Bid alt. 01	J. R. Smith #1080-ARC w/2" water dam, duco cast iron body with combined flashing clamp and gravel stop with underdeck clamp, extension, sump receiver, and cast-iron dome. See plans for sizes.
DN-1	Downspout Nozzle: Bid alt. 01	J.R. Smith #1770 brass downspout nozzle. Provide 1/4" mesh aluminized, slip fit bird screen. See plans for sizes.
<i>SD-1 Add 01</i>	<i>Primary Scupper Drain:</i>	<i>J.R. Smith #1510 scupper drain duco cast iron type with grate and flashing clamp. Provide #1550 downspout adaptor. See plans for sizes.</i>
<i>SD-2 Add 01</i>	<i>Secondary Scupper Drain:</i>	<i>J.R. Smith #1510 scupper drain duco cast iron type with grate and flashing clamp. Provide #1550 downspout adaptor. See plans for sizes.</i>

2.6 LEAD PANS AND WATERPROOF MEMBRANES

- A. Furnish a 30" square 4# lead flashing with each roof drain.
- B. All floor drains shall be fitted with clamping collar and waterproof membrane.
- C. Membrane and lead waterproofing pans for shower stalls and built-up type custodial floor sinks shall be furnished and installed by plumbers so they are 100% watertight. Drains shall have clamping device which clamps drain to pans. There shall be a mastic seal between floor drain bottom and lead or membrane so when clamping device is tightened, there is a complete watertight seal.
- D. Care should be taken not to clog weep holes. All pans will be tested by placing test plug in drain and filling with water overnight.

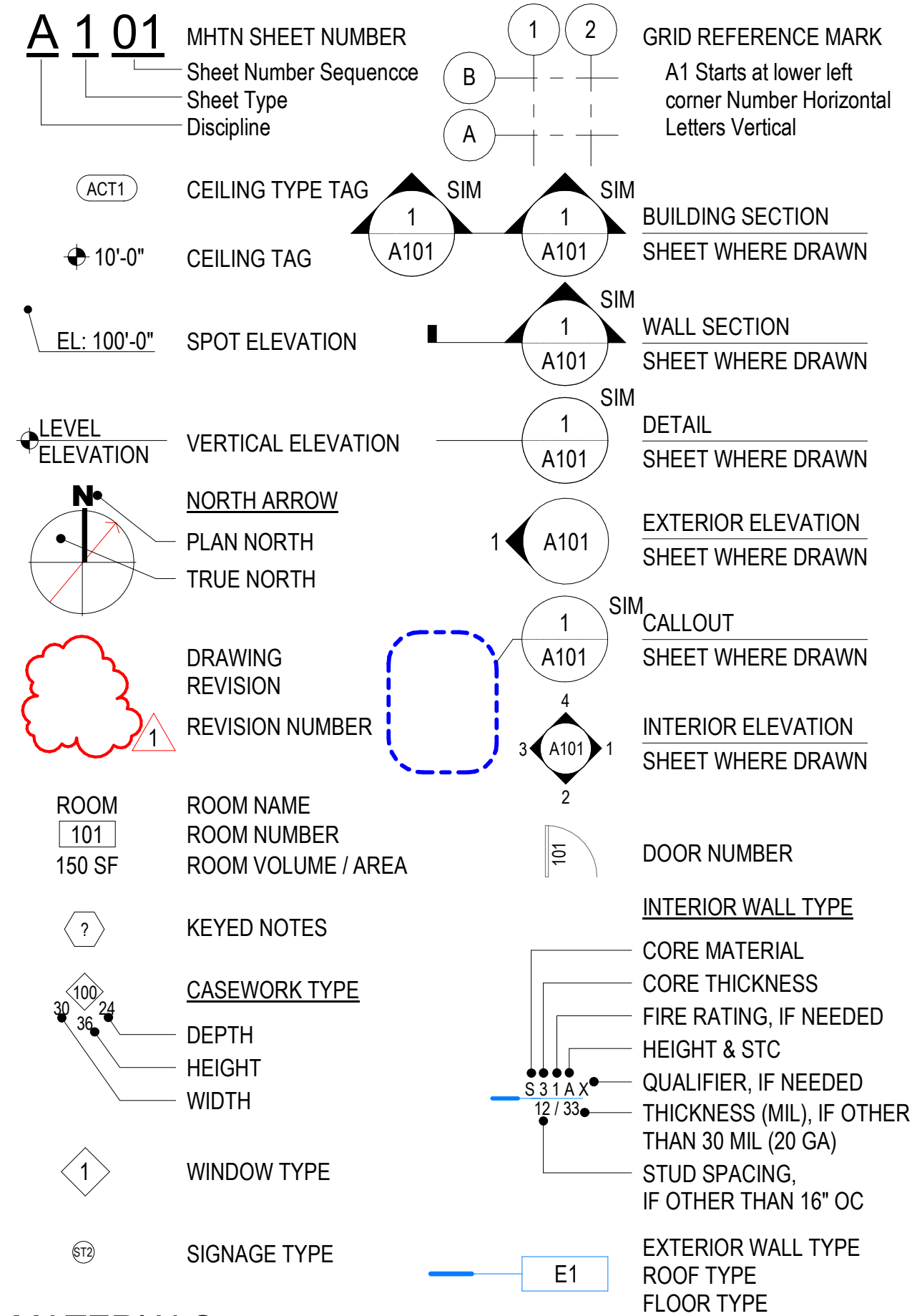
2.7 CONDENSATE DRAIN

ABBREVIATIONS

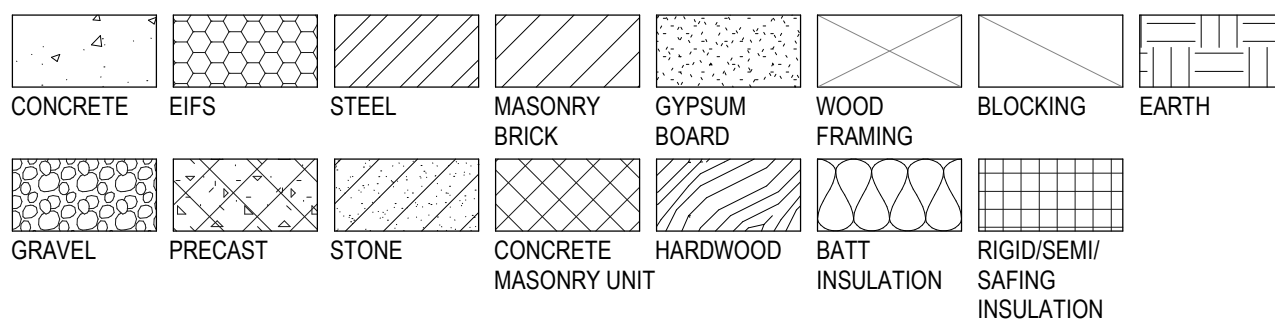
AC	AIR CONDITIONING	KD	KNOCK DOWN
AFF	ABOVE FINISH FLOOR	LAB	LABORATORY
ALT	ALTERNATE	LAV	LAVATORY
ALUM	ALUMINUM	MAINT	MAINTENANCE
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECTURAL	MECH	MECHANICAL
BD	BOARD	MEZZ	MEZZANINE
BLDG	BUILDING	MFR	MANUFACTURER
BLKG	BLOCKING	MH	MANHOLE
BO	BOTTOM OF	MIN	MINIMUM
BOT	BOTTOM	MISC	MISCELLANEOUS
BRB	BUCKLING RESTRAINED BRACE	MO	MASONRY OPENING
BRG	BEARING	NIC	NOT IN CONTRACT
CB	CATCH BASIN	NO	NUMBER
CFMF	COLD FORMED METAL FRAMING	NOM	NOMINAL
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED	NTS	NOT TO SCALE
CIP	CAST-IN-PLACE	OC	ON CENTER
CJ	CONTROL JOINT	OD	OUTSIDE DIAMETER
CL	CENTER LINE	OFOI	OWNER FURNISHED OWNER INSTALLED
CLG	CEILING	OTCI	OWNER FURNISHED CONTRACTOR INSTALLED
CLR	CLEAR	OH	OVERHEAD
CMU	CONCRETE MASONRY UNIT	OH DR	OVERHEAD DOOR
CO	CLEANOUT, CLEAR OPENING	OP	OPPOSITE
COL	COLUMN	OPP	PERPENDICULAR
COMM	COMMUNICATION	PL	PLATE, PROPERTY LINE
CONC	CONCRETE	PLAM	PLASTIC LAMINATE
CONF	CONFERENCE	PLBG	PLUMBING
CONST	CONSTRUCT, CONSTRUCTION	PLYWO	PLYWOOD
CONT	CONTINUOUS	PR	PAIR
COORD	COORDINATE	PREFAB	PREFABRICATED
CORR	CORRIDOR	QTY	QUANTITY
CTR	CENTER	RD	ROOF DRAIN
DB	DECK BEARING ELEVATION	RE	REFER TO
DEMO	DEMOLITION	REIN	REINFORCE, REINFORCING
DF	DRINKING FOUNTAIN	REQD	REQUIRED
DIA	DIAMETER	REF	REFRIGERATOR
DIAG	DIAGONAL	RM	ROOM
DIM	DIMENSION	RO	ROUGH OPENING
DN	DOWN	RTU	ROOF TOP UNIT
DR	DOOR	RV	ROOF VENT
DTL	DETAIL	SF	SQUARE FEET
DWG	DRAWING	SIM	SIMILAR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	SPEC	SPECIFICATION
EJ	EXPANSION JOINT	SO	SQUARE
EL	ELEVATION	STD	STANDARD
ELEC	ELECTRICAL	STL	STEEL
ELEV	ELEVATOR	STRUCT	STRUCTURAL
EQ	EQUAL	SUSP	SUSPENDED
EQUIP	EQUIPMENT	THK	THICK, THICKNESS
EWC	ELECTRICAL WATER COOLER	TO	TOP OF
EXP	EXPANSION	TOB	TOP OF BEAM
EXT	EXTERIOR	TOD	TOP OF DECK
FD	FLOOR DRAIN	TOS	TOP OF SLAB, TOP OF STRUCTURE
FEC	FIRE EXTINGUISHING CABINET	TOW	TOP OF WALL
FIN	FINISH	TYP	TYPICAL
FIN FLR	FINISH FLOOR	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR	VCT	VINYL COMPOSITION TILE
FOOT	FOOT, FEET	VERT	VERTICAL
GA	Gauge, GAGE	VEST	VESTIBULE
GI	GALVANIZED IRON	YTR	VENT THROUGH ROOF
GULLAM	GLUED-LAMINATED TIMBER	W	WITH
GYP BD	GYPSPUM BOARD	WO	WITHOUT
HVAC	HEATING, VENTILATION, AIR CONDITIONING	WC	WATER CLOSET
ID	INSIDE DIAMETER	WD	WOOD
INT	INTERIOR	W	WIDE FLANGE
ISO	ISOMETRIC	WH	WATER HEATER
JAN	JANITOR	WWF	WELDED WIRE FABRIC
JT	JOINT	XMR	TRANSFORMER

GENERAL SYMBOLS

SEE PLUMBING, MECHANICAL AND ELECTRICAL FOR DISCIPLINE SYMBOLS



MATERIALS



VICINITY MAP



SAN JUAN SCHOOL DISTRICT ALBERT R LYMAN MIDDLE SCHOOL SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

CONSTRUCTION DOCUMENTS 06 FEBRUARY 2026

PROJECT DATA

CIVIL RIGHTS
ADA Standards for Accessible Design, 2010

APPLICABLE CODES

International Building Code, including Appendix J (BC), 2021 ed.
International Mechanical Code (IMC), 2021 ed.
National Plumbing Code (NPC), 2021 ed.
National Electrical Code (NEC), 2023 ed.
International Energy Conservation Code (IECC), 2021 ed., Prescriptive/Performance
ANSI/ASHRAE Standard 90.1-2016, Prescriptive/Trade-Off/Energy Cost Budget
ICC/ANSI A117.1, 2009 ed.
International Existing Building Code (IEBC), 2021 ed., Prescriptive/Work Area/Performance
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification
Addition: B
Remodeled area: B
Existing Areas: A, B, E, S-1

Separation of Occupancies
Non-separated

Construction Type
IIB & IIIB

Sprinkled
No

Building Height
Allowable Height (Stories/Feet) 55/2 Stories
Actual Building Height (Stories/Feet) 16/1 Story (addition)

Building Area/Allowable Building Area
Total Existing: +/-60,686 GSF
Total Additions: 495 (ENTRY) GSF + 3,682 (CLASSROOM) GSF
Total Final: 64,863 GSF

Allowable Building Area Calculation
See sheet G100 - CODE ANALYSIS AND BUILDING AREA PLAN

Fire-Resistance Ratings for Building Elements (IBC Table 601)
Construction Type: IIB
Primary Structural Frame: 0
Exterior Bearing Walls: 0
Interior Bearing Walls: 0
Exterior Non-Bearing Walls: 0
Interior Non-Bearing Walls: 0
Floor Construction & Associated Secondary Members: 0
Roof Construction & Associated Secondary Members: 0

Fire-Resistance Ratings for Building Elements (IBC Table 601)
Construction Type: IIB
Primary Structural Frame: 0
Exterior Bearing Walls: 2
Interior Bearing Walls: 0
Exterior Non-Bearing Walls: 0
Interior Non-Bearing Walls: 0
Floor Construction & Associated Secondary Members: 0
Roof Construction & Associated Secondary Members: 0

Climate Zone: 5B

Delegated Design:

- 034500 - Precast Architectural Concrete (ARL)
- 054000 - Cold-Formed Metal Framing (ARL)
- 055213 - Pipe and Tube Railings (ARL)
- 074213.23 - Metal Composite Material Wall Panels (ARL)
- 077200 - Roof Accessories (ARL)
- 084113 - Aluminum-Framed Entrances and Storefronts
- 084113 - Glazed Aluminum Curtain Walls (ARL)
- 088000 - Glazing
- 101416 - Plaques (ARL)
- 101419 - Dimensional Letter Signage (ARL)
- 102800 - Toilet Bath and Laundry Accessories
- 102113.17 - Phenolic-Core Toilet Compartments

BID ALTERNATES:

SCHEDULE OF ALTERNATES

- Alternate No. 1: Classroom Addition and Associated Alterations:
- Base Bid: No Work regarding addition and associated demolition and alteration Work at 2 new classroom areas.
 - Alternate: Provide addition and associated demolition and alteration Work as required to develop 2 new classrooms and ancillary areas as indicated on Drawings, including all applicable building systems.

- a. Vestibule A118
b. Storage A119
c. Corridor A120
d. Classroom A121
e. Teacher Workroom A122
f. Breakout A123
g. Classroom A124
h. Teacher Workroom A125
i. Satellite Workroom A126
j. Storage A127
k. IDF A128
l. Hall A129
m. Storage A130.

- Alternate No. 2: Laminated Security Film Glazing:
- Base Bid: No Work regarding laminated security film glazing.
 - Alternate: Provide laminated security film glazing where indicated on Drawings.

INDEX TO DRAWINGS - CONSTRUCTION DOCUMENTS

GENERAL

G001 INDEX SHEET
G100 CODE ANALYSIS AND BUILDING AREA PLAN
G101 CODE ANALYSIS AND LIFE SAFETY PLAN
G200 MOUNTING HEIGHTS & CLEARANCES
G201 MOUNTING HEIGHTS & CLEARANCES
G300 EXTERIOR WALL, INTERIOR WALL, FLOOR AND ROOF TYPES

CIVIL

CG001 EXISTING AND DEMOLITION PLAN
CG002 EROSION CONTROL PLAN
CG101 GRADING PLAN
CG102 GRADING PLAN
CG500 GENERAL NOTES AND EROSION CONTROL DETAILS
CP101 PAVING PLAN
CP102 PAINTING AND SIGNAGE PLAN
CP501 SITE DETAILS
CP502 SITE DETAILS
CU101 UTILITY PLAN
CU501 UTILITY DETAILS
CU502 STORMTECH DETAILS

LANDSCAPE

AS100 OVERALL SITE PLAN
AS101 BID ALTERNATE 1
AS300 STAIR AND RAMP SECTIONS
AS500 SITE DETAILS
LI100 OVERALL IRRIGATION PLAN
LI500 IRRIGATION DETAILS
LP100 OVERALL LANDSCAPE PLAN
LP101 BID ALTERNATE 1
LP500 LANDSCAPE DETAILS

STRUCTURAL

SE001 GENERAL STRUCTURAL NOTES
SE002 GENERAL STRUCTURAL NOTES
SE003 LEGENDS & ABBREVIATIONS
SB101 OVERALL FOOTING AND AND FOUNDATION PLAN
SB102 ENLARGED FOOTING AND FOUNDATION PLANS
SB103 ENLARGED FOOTING AND FOUNDATION PLANS
SB501 TYPICAL FOOTING & FOUNDATION DETAILS
SB502 FOOTING & FOUNDATION DETAILS
SB601 CONCRETE SCHEDULES
SB602 REINFORCING SCHEDULES
SB611 MASONRY SCHEDULES
SF101 OVERALL ROOF FRAMING PLAN
SF102 ENLARGED ROOF FRAMING PLANS
SF103 ENLARGED ROOF FRAMING PLANS
SF201 WALL ELEVATIONS
SF511 TYPICAL ROOF FRAMING DETAILS
SF512 TYPICAL ROOF FRAMING DETAILS
SF551 NEW WALL OPENINGS
SF601 TYPICAL SCHEDULES
SF602 STEEL COLUMN SCHEDULE AND DETAILS
SF603 STEEL DECK SCHEDULES
SF604 STEEL STUD SHEAR WALL SCHEDULES AND DETAILS
SW501 EXTERIOR STEEL STUD DETAILS
SW502 EXTERIOR STEEL STUD DETAILS
SW601 NON-LOAD BEARING EXTERIOR STUD WALL SCHEDULE

ARCHITECTURAL

AD100 ADMIN DEMOLITION PLAN
A100 OVERALL REFERENCE PLAN
A101 ADMIN PARTIAL FLOOR PLAN
A102 COUNSELING PARTIAL FLOOR & DEMOLITION PLANS
A103 CLASSROOM FLOOR PLAN - BID ALT 1
A120 ROOF PLAN - OVERALL
A121 PARTIAL ROOF PLAN & DETAILS
A200 EXTERIOR ELEVATIONS
A201 EXISTING REFERENCE ELEVATIONS
A202 EXISTING REFERENCE ELEVATIONS
A300 SECTIONS
A301 SECTIONS
A331 ENVELOPE DETAILS

CONSULTANTS

CIVIL

JOHANSEN & TUTTLE
ENGINEERING
90 SOUTH 100 EAST
PO BOX 487
CASTLE DALE, UTAH 84513
PHONE: 435.381.2923



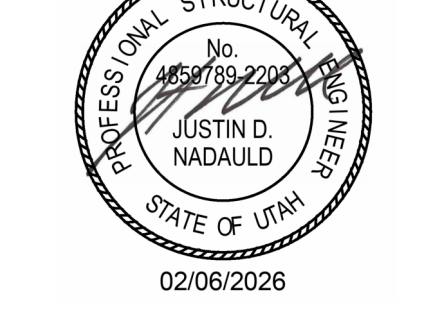
LANDSCAPE

MHTN ARCHITECTS, INC.
280 SOUTH 400 WEST
SUITE 250
SALT LAKE CITY, UTAH 84111
PHONE: 801.595.6700



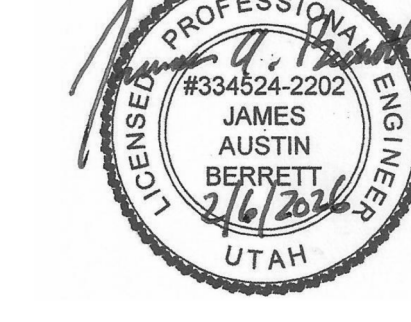
STRUCTURAL

REAVELEY ENGINEERS
515 EAST 100 SOUTH, STE 1200
SALT LAKE CITY, UTAH 84102
PHONE: 801.486.3883



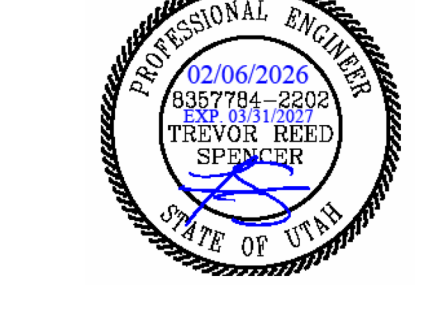
MECHANICAL

OLSEN & PETERSON
CONSULTING ENGINEERING
16 EAST 2700 SOUTH
SALT LAKE CITY UTAH 84105
PHONE: 801.486.4646



ELECTRICAL

ENVISION ENGINEERING
240 E. MORRIS AVE
SUITE 200
SALT LAKE CITY, UTAH 84115
PHONE: 801.534.1130



PROJECT GENERAL NOTES

Building Codes: Comply with requirements of the adopted editions of the international code council codes, the codes and standards referenced within the ICC codes and the Americans with Disabilities Act.

Dimensions: Metal stud walls are dimensioned to face of metal stud, unless noted otherwise. Masonry walls are dimensioned to face of masonry.

Special Inspections: An Owner-provided, AHJ approved Independent Agency will provide Special Inspections of the following Architectural Components:

Per IBC Sec 1705.12.5 in Seismic Design Category D, E, or F:
• Erection and Fastening of Interior Nonbearing Walls

Deferred Submittals:
• Fire Alarm, including CO detection, where required

Specifications: Refer to the specifications for descriptions of products, materials and systems. The terms "SEE SPECS," "RE: SPECS" or similar references to the specifications have been omitted from drawing notes, but the requirement is still the same, to refer to the technical specifications for descriptions, installation requirements and other requirements as described therein.

Symbols: Where symbols and legends are used to indicate a product or system, provide those items in the quantity indicated by the symbol. Where plumbing fixtures, equipment, light fixtures and other similar products are shown on Architectural drawings, refer to the appropriate discipline drawings for type, utilities and other requirements.

Details: Terms such as "see specs," "re: mechanical" and so forth have been omitted from these details. All details require the general contractor and sub-contractors to refer to other drawings and specifications as required to understand and provide the items indicated and to provide supporting items that may or may not be shown. The continuous nature of the materials shown in the details is inferred, though the word "continuous" may be omitted from the detail notes.

Occupancy: Occupancy of this project is prohibited until a final inspection is conducted by the Office of the State Fire Marshal. A minimum of 3-day notice shall be given for this inspection.

PROJECT GENERAL REMODEL NOTES

Verify in Field (VIF): Field verify all dimensions and conditions at the site before submitting a bid or proceeding with any portion of the work.

Cut and Patch: Cut and patch existing building construction as required. Cutting and drilling of structural members not detailed requires the written permission of the structural engineer.

Conflicts: Whenever questions arise or conditions are encountered which are not covered by, or are in conflict with, the contract documents, consult with the Architect prior to taking any further action.

Demolish, Remove: Terms are used interchangeably to indicate detaching or tearing down items from existing construction and legally disposing of them off-site unless indicated to be removed and salvaged or removed and reinstalled.

Existing to Remain: Existing items of the building that are not to be permanently removed and that are not otherwise indicated to be demolished, removed, removed and salvaged or removed and reinstalled.

Equipment Relocation: Relocate existing mechanical and electrical as required for installation of new work.

Material Disposal: Legally dispose of all demolished or removed existing material, unless noted otherwise.

Salvage Material: Coordinate with the owner for removal of existing material noted to be returned to the owner. Removal shall be by the owner unless noted otherwise.
Phasing: coordinate phasing of the work with the Owner and the Architect to meet the owner's schedule.

Protection & Cleaning: Contain all construction activity within construction barricades or fences. Protect owner's existing facilities and property adjacent to new construction. During and after work of this contract is complete, clean existing areas affected by the work to the owner's satisfaction.

Protect all existing conditions that remain during phased construction and/or demolition work. Repair any damage due to new work.

Repair & Replacement: Repair or replace existing facilities or property damaged by new construction. Match existing surface finish or material.

Patch & Repair: Patch and repair existing walls, floors, ceilings, landscaping, paving or other surfaces affected by demolition to match the existing material and finish.

Core Drilling Walls and Slabs:
Use ground penetrating radar or other approved method to scan concrete over metal deck, concrete suspended slabs, masonry walls, and concrete walls to locate rebar prior to core drilling any holes. Holes shall be located to avoid rebar detected. All openings and groups of openings shall be reinforced as shown on the structural drawings. Submit openings not shown on the structural drawings to the Structural Engineer for review prior to drilling.

PROJECT GENERAL TI NOTES

Attachment to Steel Deck:
Do not use steel deck that doesn't have concrete fill to support loads from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements or equipment of any kind, unless specifically noted otherwise. Lightweight acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger hangers to distribute the load over multiple deck flutes.

Steel deck with concrete fill may be used to support loads of up to 500 pounds from plumbing, fire sprinklers, HVAC ducts, light fixtures, architectural elements and miscellaneous equipment. Distribute loads such that the average load does not exceed 50 lbs/sq.ft. and not more than 500 pounds is loaded on any single deck flute span between support beams. Attachments to steel deck with concrete fill shall engage the concrete, and shall be approved for use in cracked concrete.

Attachment to Open Web Steel Joists and Girders:
All concentrated loads greater than 100 pounds and not meeting the requirements of the paragraph below shall be located within 6 inches of the joist or girder panel points or the joist or girder shall be reinforced with an additional web member. Refer to the general structural notes and the "typical detail at additional concentrated point load" on the structural drawings.

Concentrated point loads, single or multiple, totaling 100 pounds or less between panel points can be located at any point along the top or bottom chord of a joist or girder between adjacent panel points without meeting the requirements of the paragraph above, provided the loads are applied to the joist such that both angles of the bottom chord are equally loaded (i.e. no single beam clamps).

Joist bridging shall not be used to support hanging loads.

Bracing of miscellaneous items including mechanical, plumbing, conduit, architectural elements, etc. shall connect to the top chord of the joist or girder unless noted otherwise on the structural drawings.

Attachment to Steel Beams:
Bracing for seismic loads shall attach within 4" of the top flange of the beam, unless noted otherwise.



MHTN Architects, Inc.
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Salt Lake City, Utah 84101
Telephone (801) 595-6700
www.mhtn.com

SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

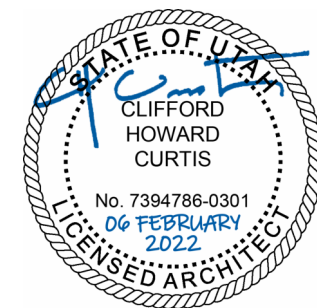
525 North 100 East, Blanding, Utah 84511

02/01/2026 MHTN ARCHITECTS, INC.

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SEAL



MHTN PROJECT NO: 2023554.01

VIEW AND PRINT THIS DRAWING IN COLOR

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

ISSUED:

NO.	DATE	DESCRIPTION

REVISIONS:

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

NO.	DATE	DESCRIPTION

ISSUE

CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME

INDEX SHEET

SHEET NUMBER

G001

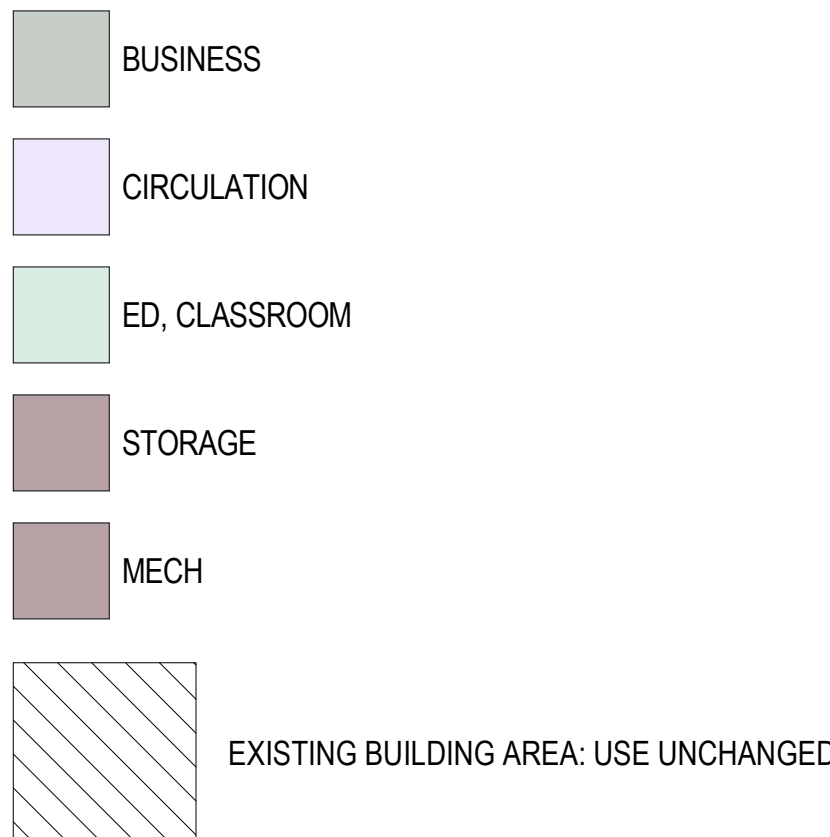
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E3

LIFE SAFETY PLAN Copy 1

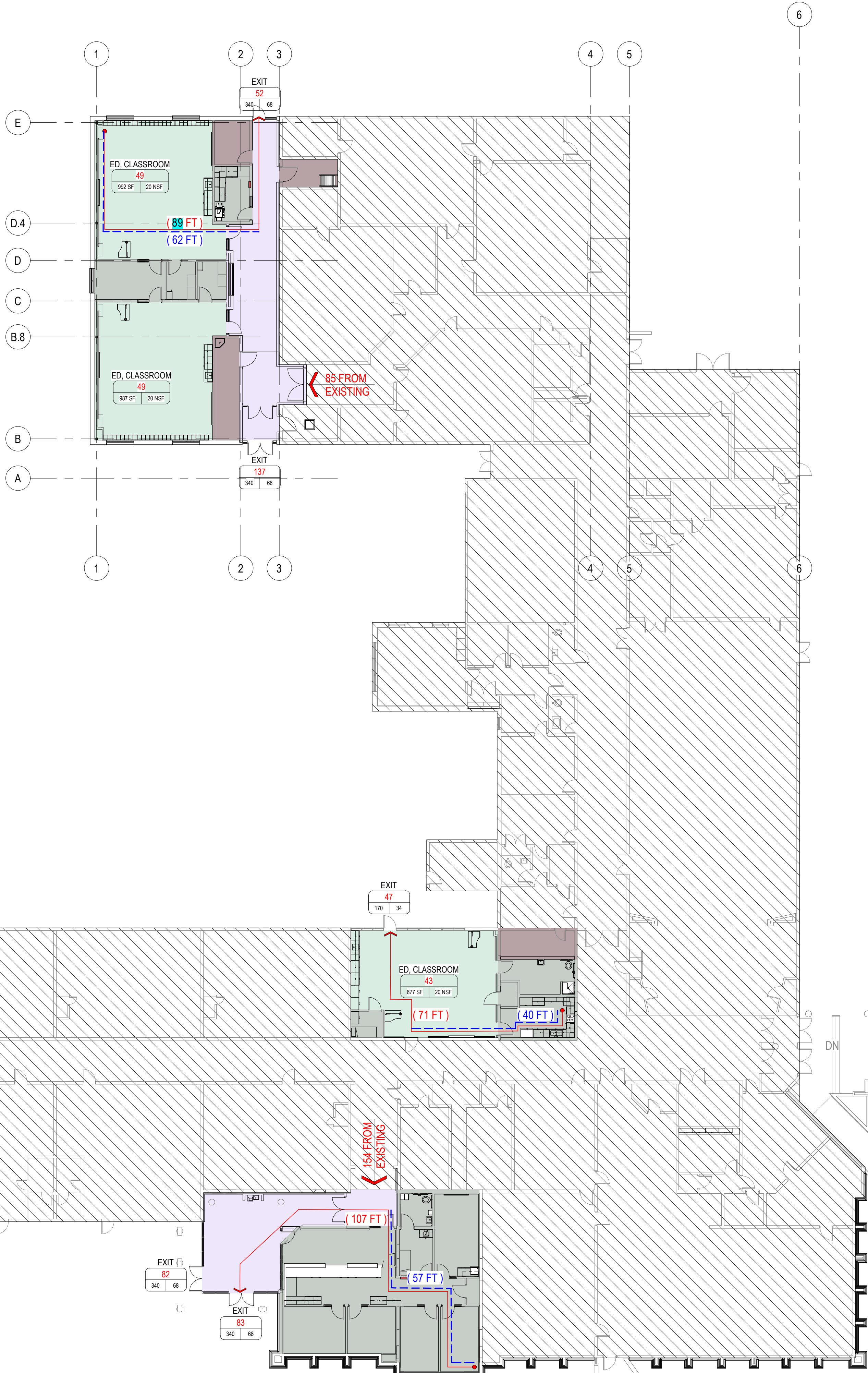
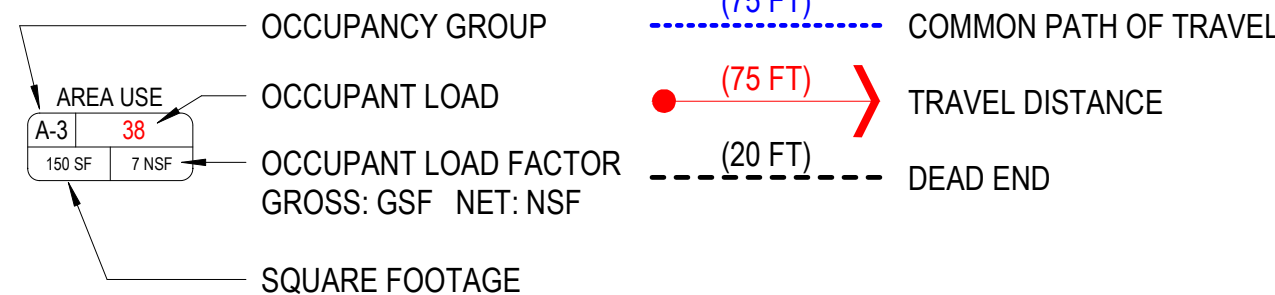
SCALE: 1/16" = 1'-0"

AREA FUNCTION (IBC TABLE 1004.1.2)



22,949 SF

LEGEND - LIFE SAFETY



LIFE SAFETY PLAN GENERAL NOTES

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

RE: G300 for Interior Wall Types which indicate ratings, reference termination details, and require rated wall identification.

RE: A600 for the Door Schedule and door ratings.

RE: A600 for Window Types and window ratings.

Exit Width Capacity: Exit width capacities are based on 0.3" per occupant at stairways and 0.2" per occupant at other means of egress components.

PROJECT DATA

CIVIL RIGHTS
ADA Standards for Accessible Design, 2010

APPLICABLE CODES
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International Existing Building Code (IEBC), 2021 ed., Prescriptive/Work Area/Performance
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification	Addition: B Remodeled area: B Existing Areas: A, B, E, S-1
Separation of Occupancies	Non-separated
Construction Type	IIB & IIIB
Sprinkled	No
Building Height	Allowable Height (Stories/Feet) 55/2 Stories Actual Building Height (Stories/Feet) 16/1 Story (addition)
Building Area/Allowable Building Area	Total Existing: +/-60,686 GSF Total Additions: 495 (ENTRY) GSF + 3,682 (CLASSROOM) GSF Total Final: 64,863 GSF

Allowable Building Area Calculation
See sheet G100 - CODE ANALYSIS AND BUILDING AREA PLAN

Fire-Resistance Ratings for Building Elements (IBC Table 601)	
Construction Type:	IIB
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associated Secondary Members	0

Fire-Resistance Ratings for Building Elements (IBC Table 601)	
Construction Type:	IIIB
Primary Structural Frame	0
Exterior Bearing Walls	2
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associated Secondary Members	0

Climate Zone: 5B

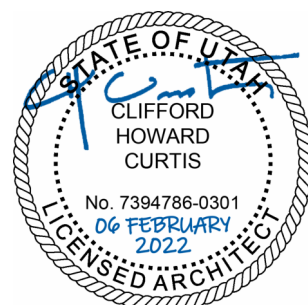
- Delegated Design:**
- 034500 - Precast Architectural Concrete (ARL)
 - 054000 - Cold-Formed Metal Framing (ARL)
 - 055213 - Pipe and Tube Railings (ARL)
 - 074213.23 - Metal Composite Material Wall Panels (ARL)
 - 077200 - Roof Accessories (ARL)
 - 084113 - Aluminum-Framed Entrances and Storefronts
 - 084413 - Glazed Aluminum Curtain Walls (ARL)
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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:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT
LAST REVISION DATE

NO. DATE DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

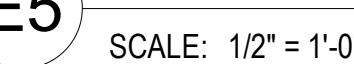
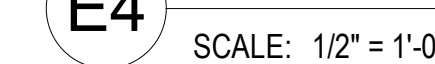
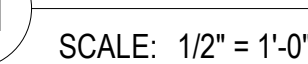
SHEET NAME
**CODE ANALYSIS
AND LIFE SAFETY
PLAN**

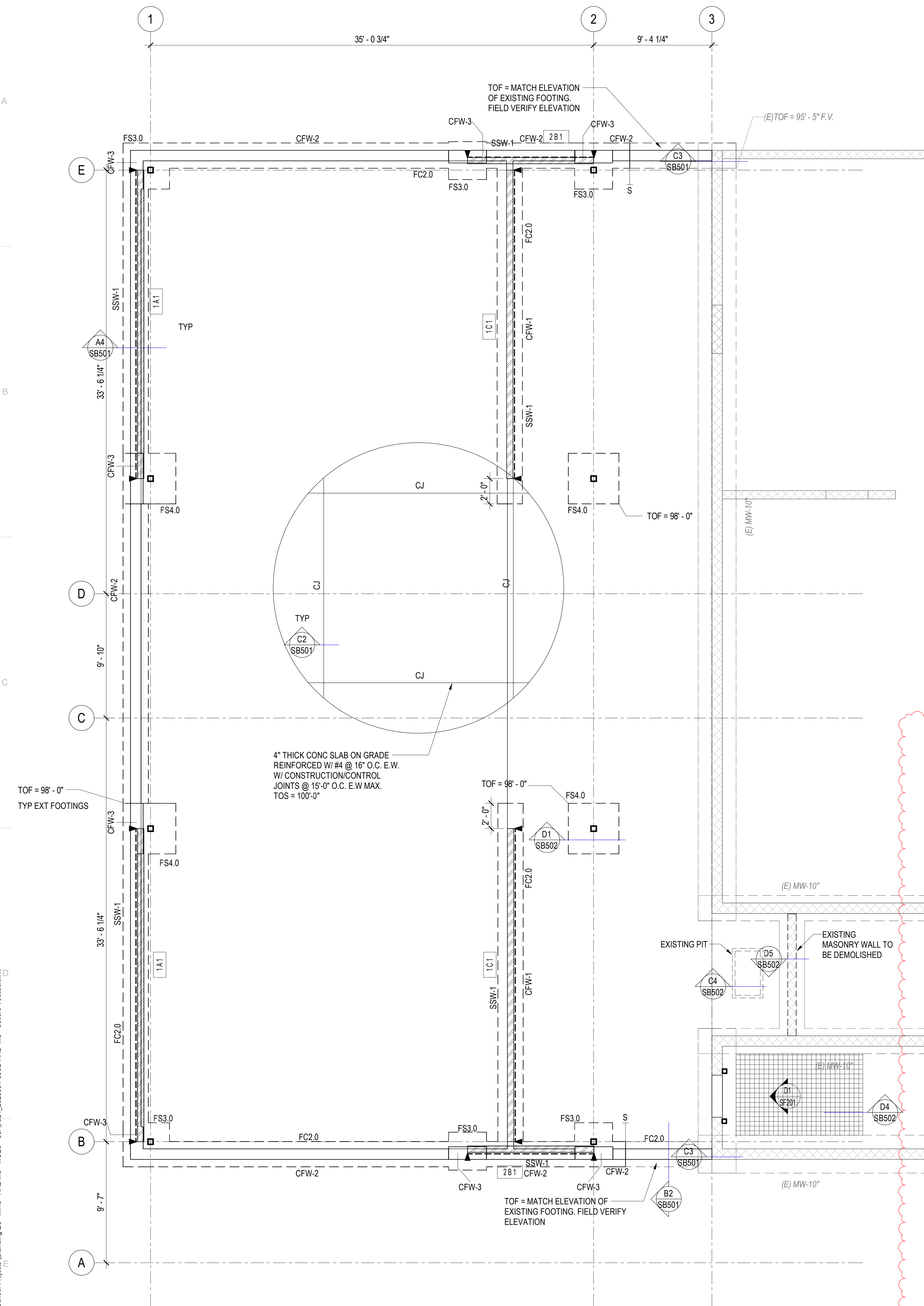
SHEET NUMBER

G101

RETURN TO INDEX

REFERENCES





A1
SB102
ENLARGED FOOTING AND FOUNDATION PLAN - CLASSROOMS
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
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

SLAB ON GRADE PLAN NOTES

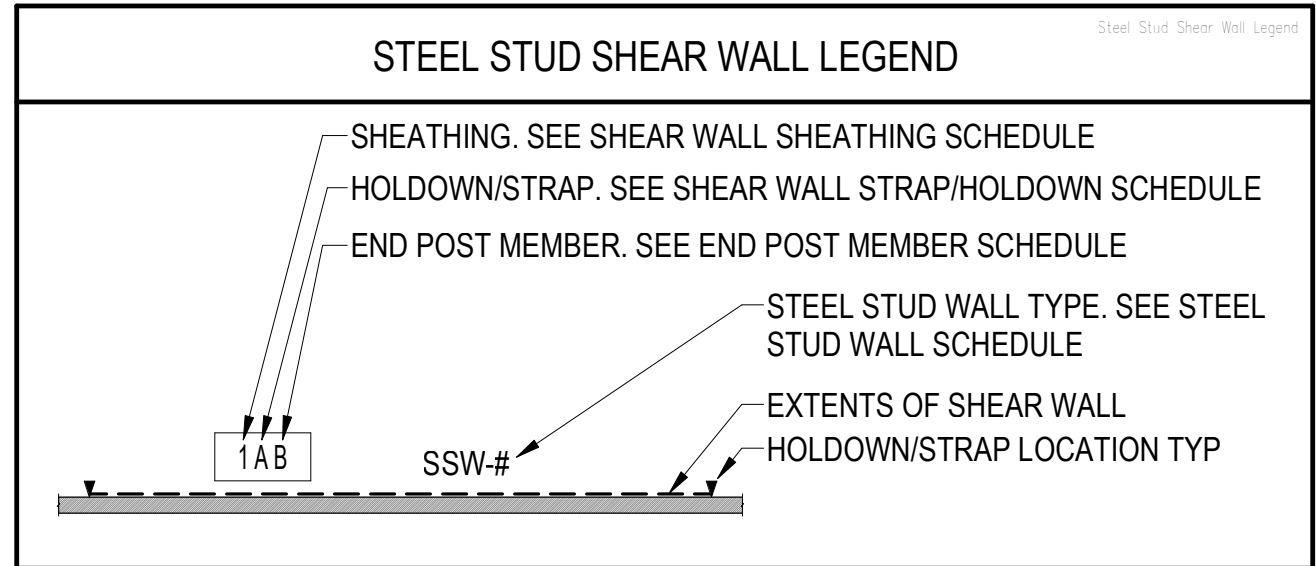
1. ALL SLABS ON GRADE SHALL BE 4 INCHES THICK, UNLESS NOTED OTHERWISE. SEE TYPICAL CONCRETE SLAB ON GRADE PROFILE DETAIL B5/SB501 FOR SUBGRADE REQUIREMENTS.

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.



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.

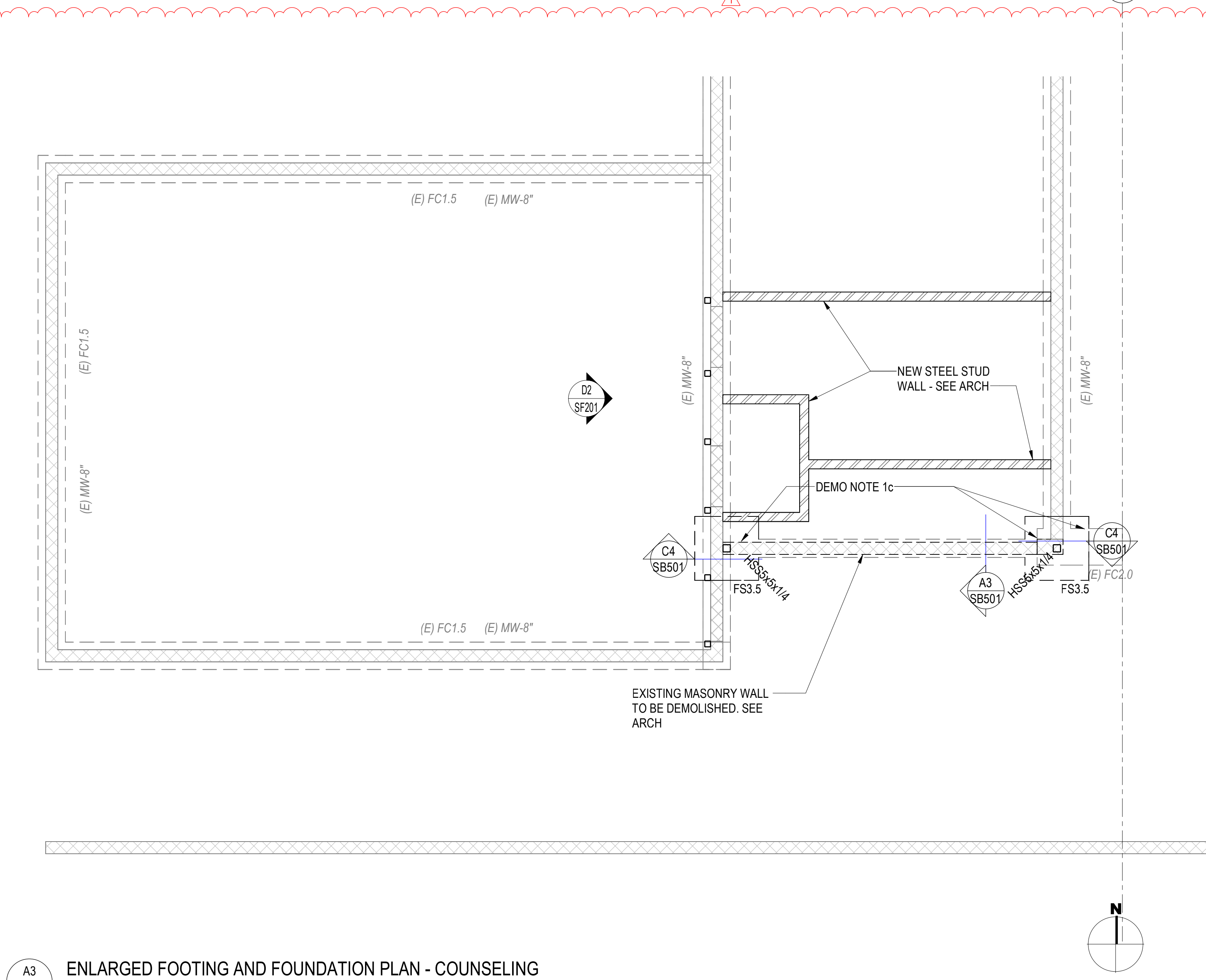
2. VERIFY ALL OPENING LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL. NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.

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.

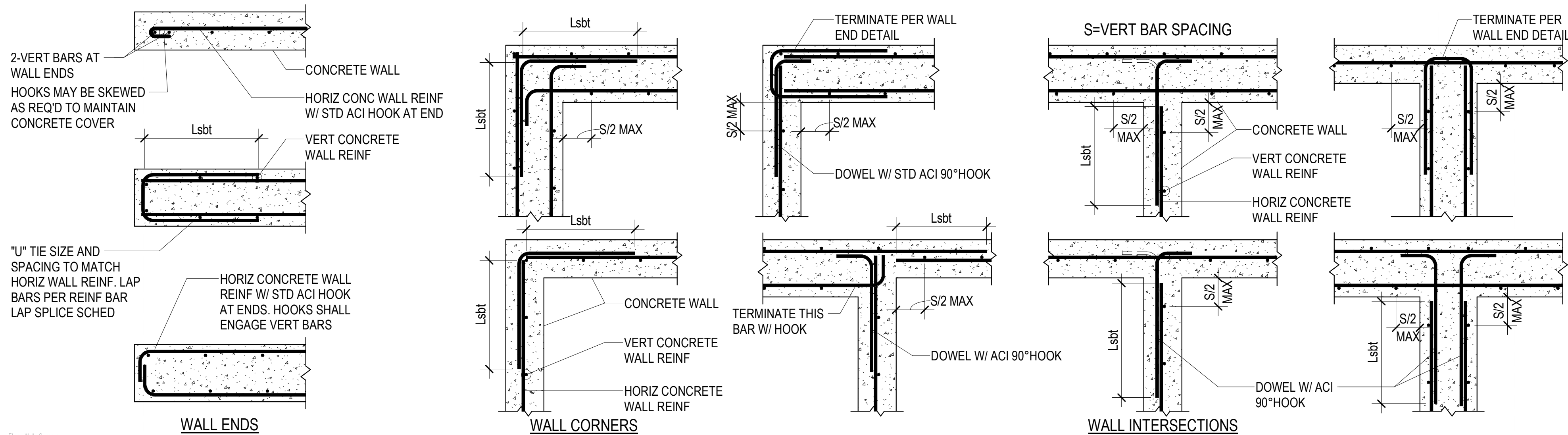
5. SEE A2/SF604 AND B2/SF604 FOR SHEAR WALL END DETAILS. SEE A1/SF604 FOR EMBEDDED STEEL COLUMN.

6. SEE B1/SF604 FOR SHEAR WALL PANEL JOINT END DETAIL.

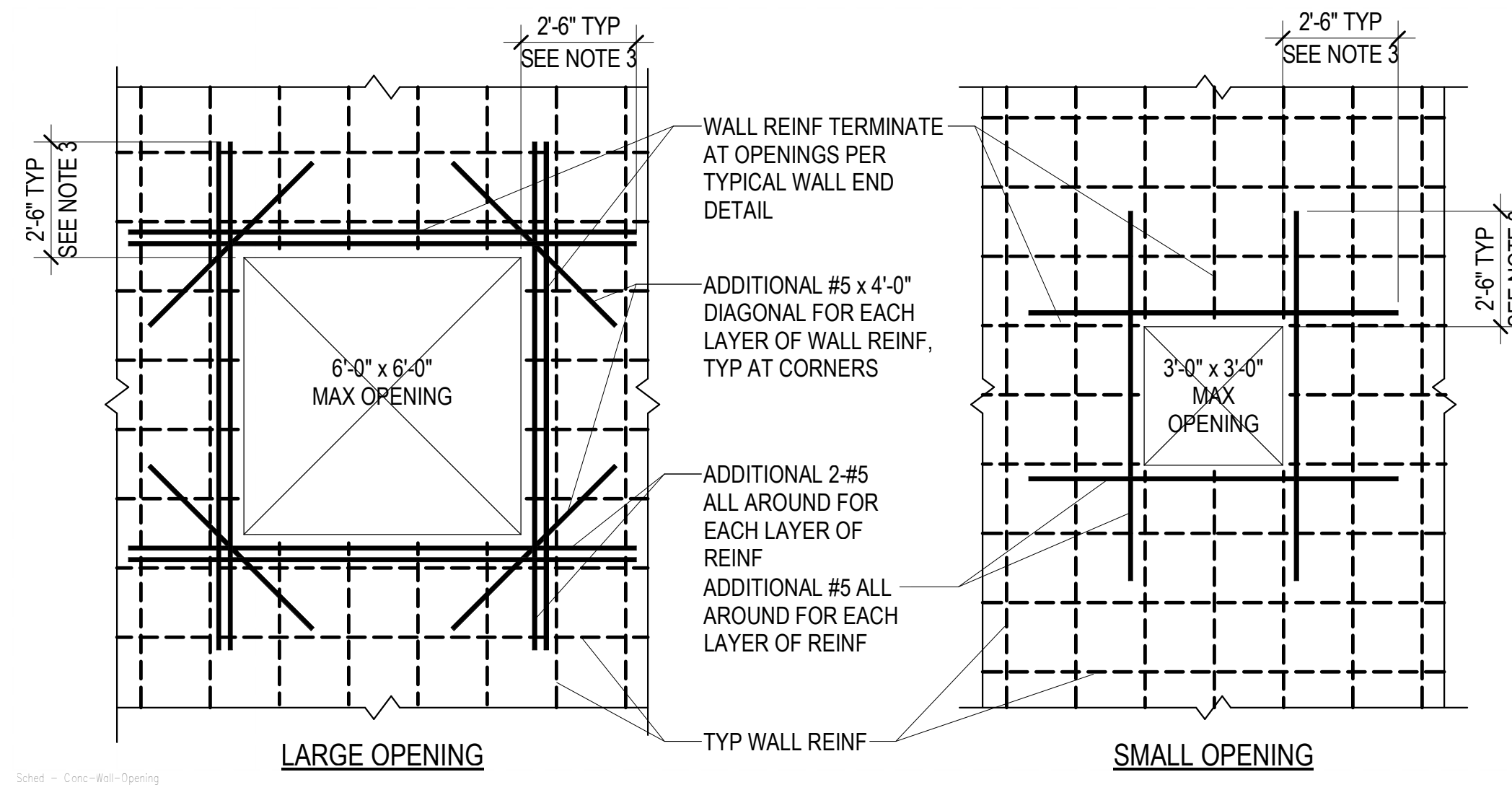


A3
SB102
ENLARGED FOOTING AND FOUNDATION PLAN - COUNSELING
SCALE: 1/4" = 1'-0"

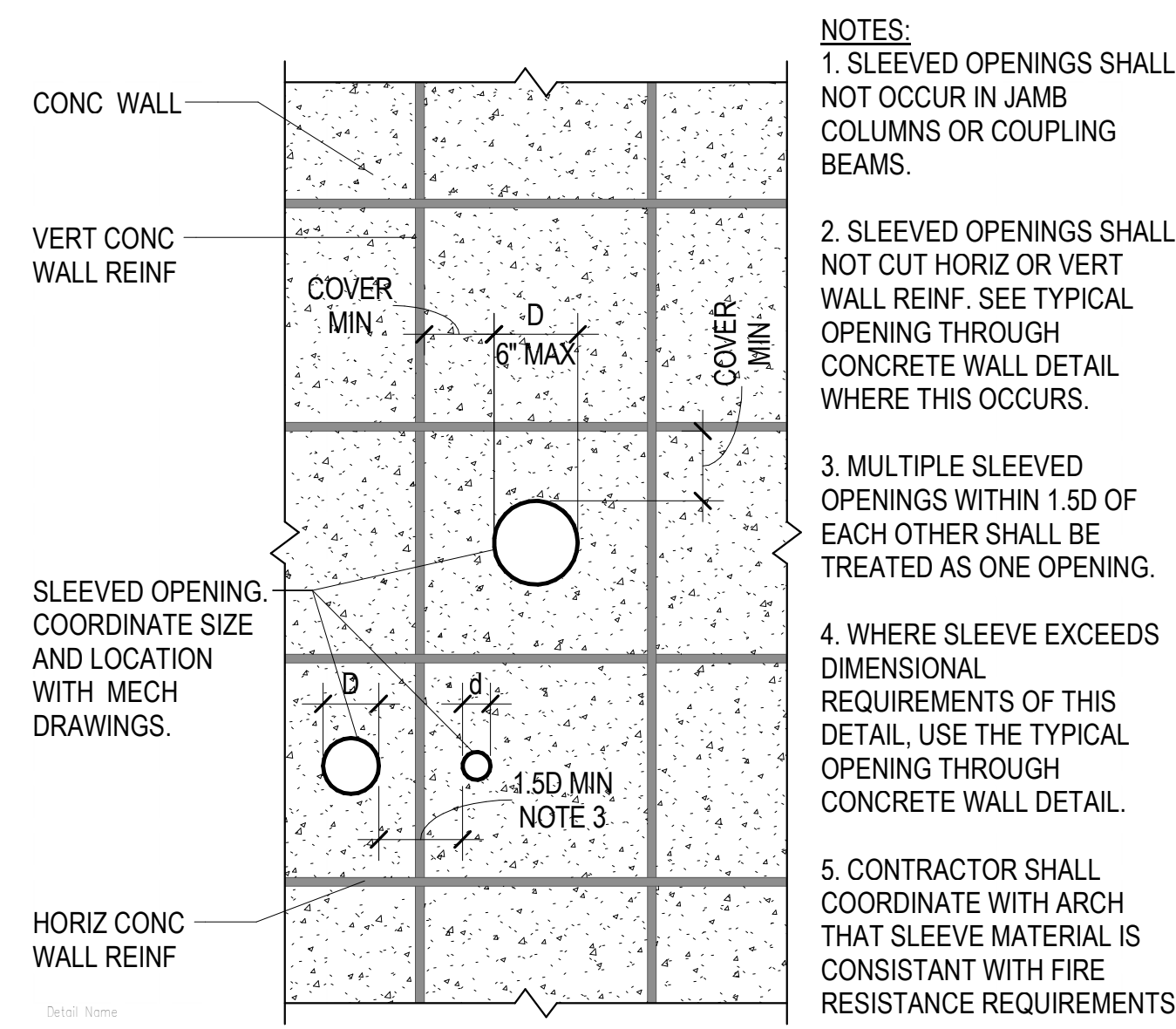
NO.	DATE	DESCRIPTION
1	02/26/2026	As Issued (D)



D2
SB601
TYPICAL CONCRETE WALL REINFORCING AT ENDS, CORNERS AND INTERSECTIONS (PLAN VIEWS)
NO SCALE



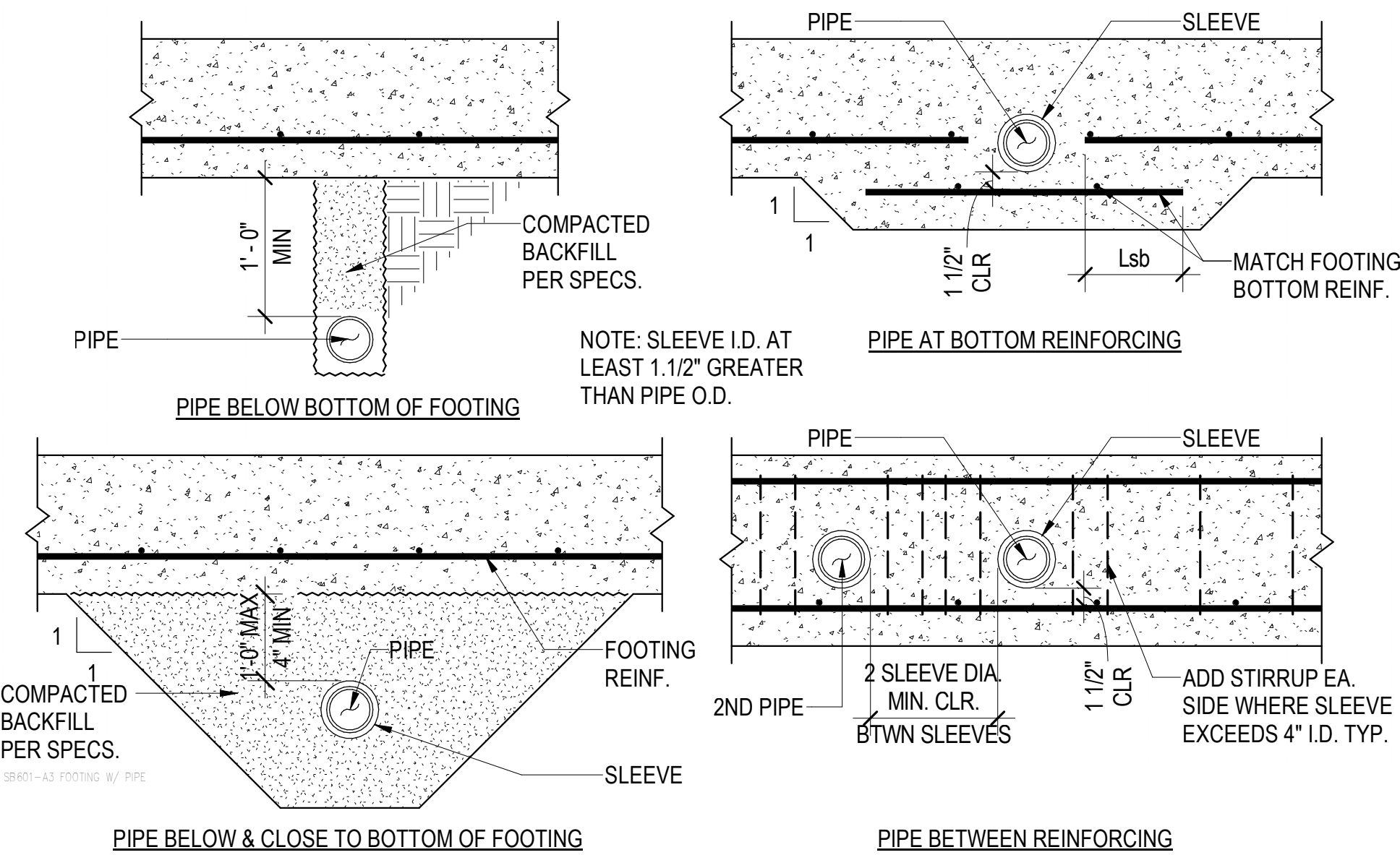
C2
SB601
TYPICAL OPENINGS THROUGH CONCRETE WALLS
NO SCALE



C4
SB601
TYPICAL SLEEVED OPENING THROUGH CONCRETE WALL
NO SCALE

CONCRETE FOOTING SCHEDULE												
MARK	WIDTH	LENGTH	THICK	CROSSWISE REINFORCING				LENGTHWISE REINFORCING				REMARKS
				NO.	SIZE	LENGTH	SPACE	NO.	SIZE	LENGTH	SPACE	
FC2.0	2'-0"	CONT.	1'-0"	--	NONE	REQ'D	--	3	#4	CONT.	9"	SEE NOTE 5
FC2.5	2'-6"	CONT.	10"	--	#5	2'-0"	14"	3	#5	CONT.	12"	
FS3.0	3'-0"	3'-0"	1'-0"	4	#4	2'-6"	10"	4	#4	2'-6"	10"	
FS3.5	3'-6"	3'-6"	10"	4	#4	3'-0"	12"	4	#4	3'-0"	12"	
FS4.0	4'-0"	4'-0"	1'-1"	6	#4	3'-6"	8.4"	6	#4	3'-6"	8.4"	
FS6.5	6'-6"	6'-6"	1'-1"	10	#4	6'-0"	8"	10	#4	6'-0"	8"	

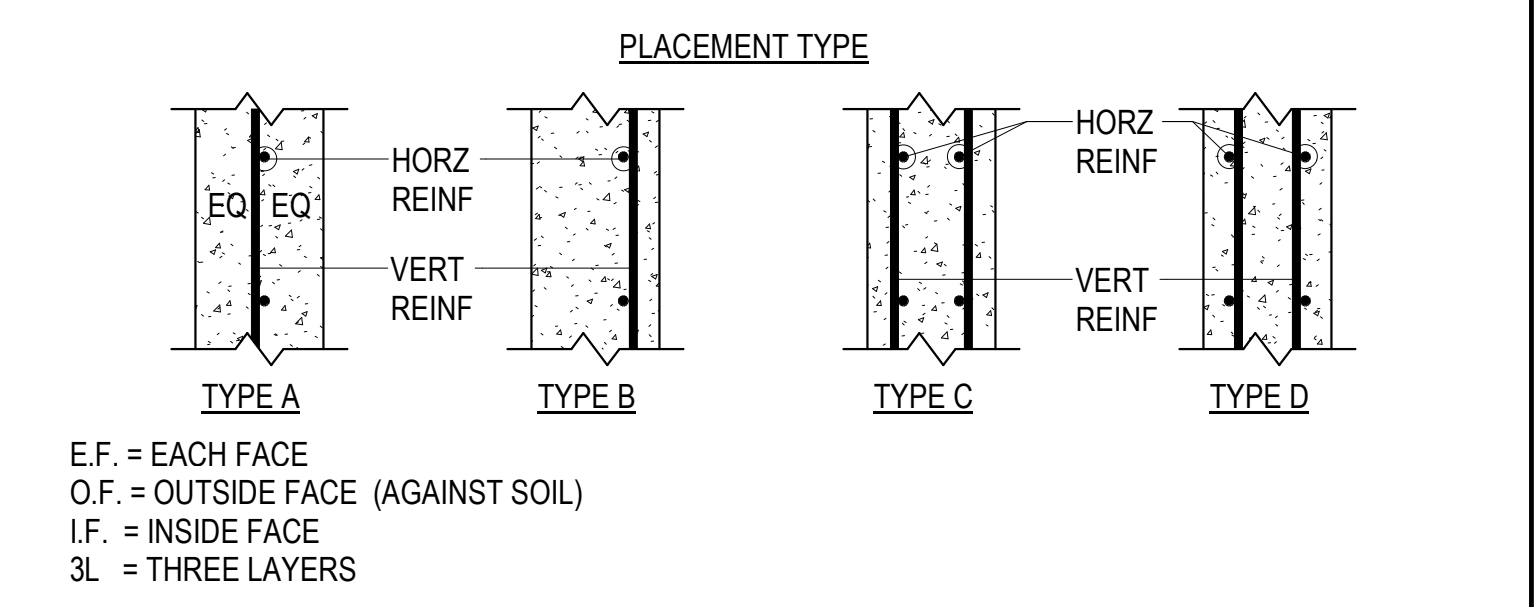
1. PLACE ALL FOOTING REINFORCING IN BOTTOM OF FOOTING WITH 3" CLEAR CONCRETE COVER UNLESS NOTED OTHERWISE.
2. TOP REINFORCING, WHERE SPECIFIED, SHALL BE PLACED IN THE TOP OF THE FOOTING WITH 2" CLEAR CONCRETE COVER.
3. SPOT FOOTINGS SHALL BE CENTERED UNDER COLUMNS AND CONTINUOUS FOOTINGS SHALL BE CENTERED UNDER WALLS, UNLESS NOTED OTHERWISE.
4. ALL FOOTINGS SHALL BE FORMED. FOOTINGS SHALL NOT BE EARTH FORMED OR OVERSIZED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
5. DOWEL LENGTHWISE REINF 17" INTO EXISTING FOOTING EACH END



A3
SB601
PIPES PENETRATING & ADJACENT TO FOOTINGS OR GRADE BEAMS
NO SCALE

CONCRETE FOUNDATION WALL SCHEDULE					
MARK	THICK	HORIZONTAL REINFORCING	VERTICAL REINFORCING	T & B HORIZ BARS	PLACEMENT
CFW-1	6"	#4 @ 12" O.C.	#4 @ 18" O.C.	1-#4	TYPE A
CFW-2	10"	#5 @ 18" O.C.	#5 @ 18" O.C.	1-#5 E.F.	TYPE C
CFW-3	1'-0"	#5 @ 18" O.C. E.F.	#5 @ 18" O.C. E.F.	1-#5 E.F.	TYPE C

- NOTES:
1. HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS THRU CONSTRUCTION & CONTROL JOINTS.
 2. SPLICES IN HORIZONTAL WALL REINFORCING SHALL BE TYPE Lsbt, STAGGERED SUCH THAT SPLICES DO NOT OVERLAP. SPLICES IN TWO CURTAINS SHALL NOT OCCUR IN THE SAME LOCATION.

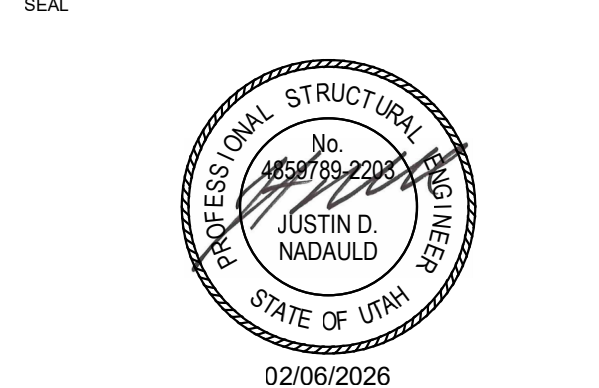


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**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
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MHTN PROJECT NO. 2023554.01

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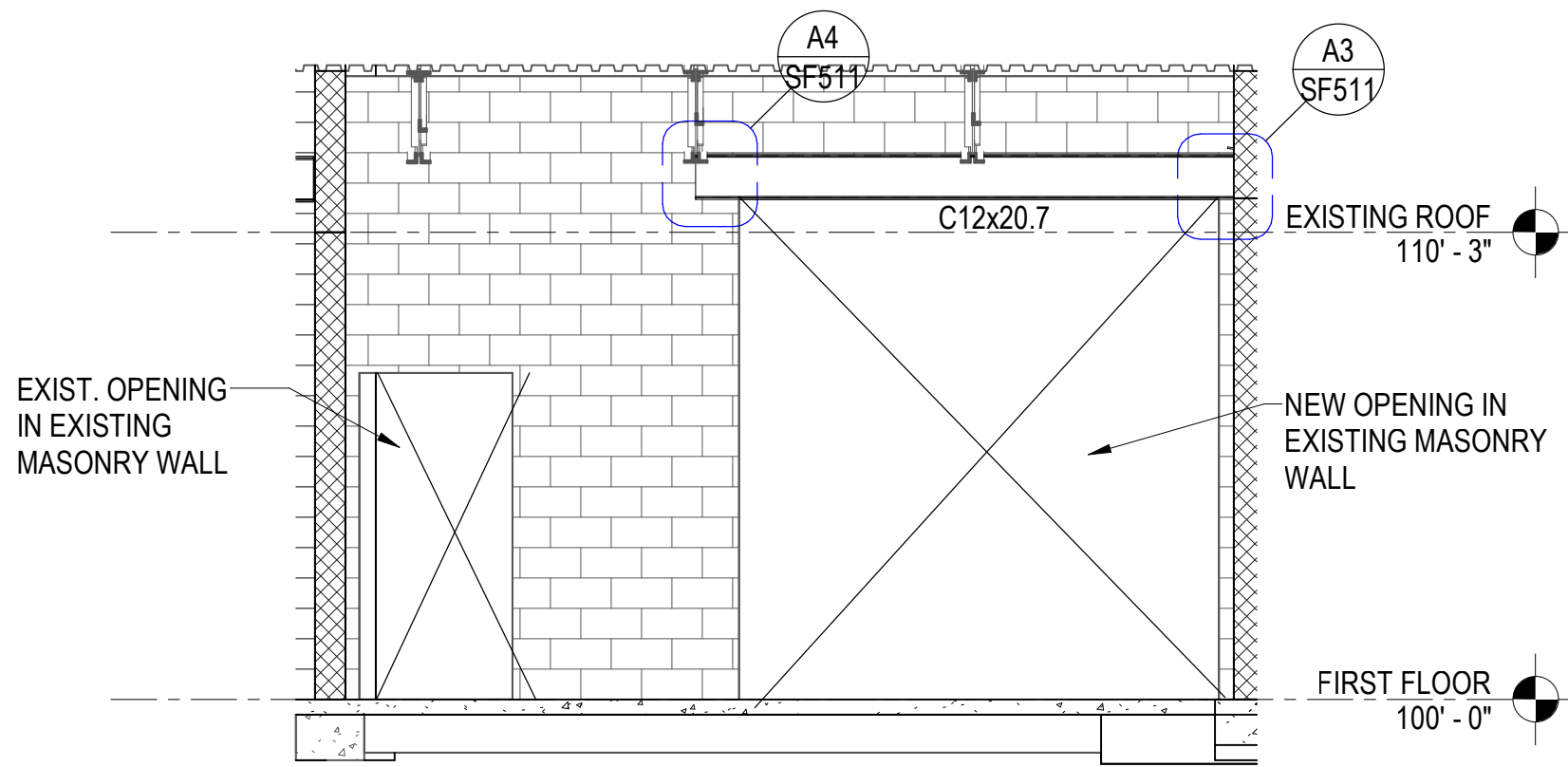
NO.	DATE	DESCRIPTION
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CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026
SHEET NAME
CONCRETE SCHEDULES

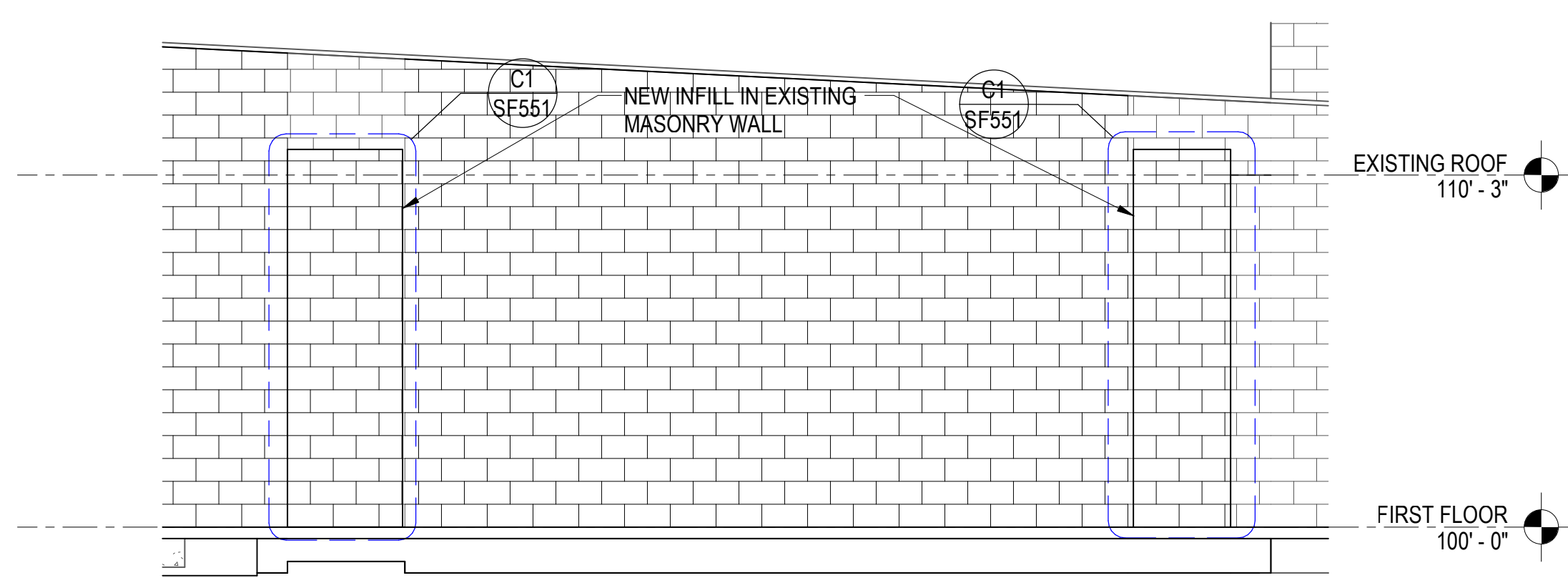
SHEET NUMBER
SB601
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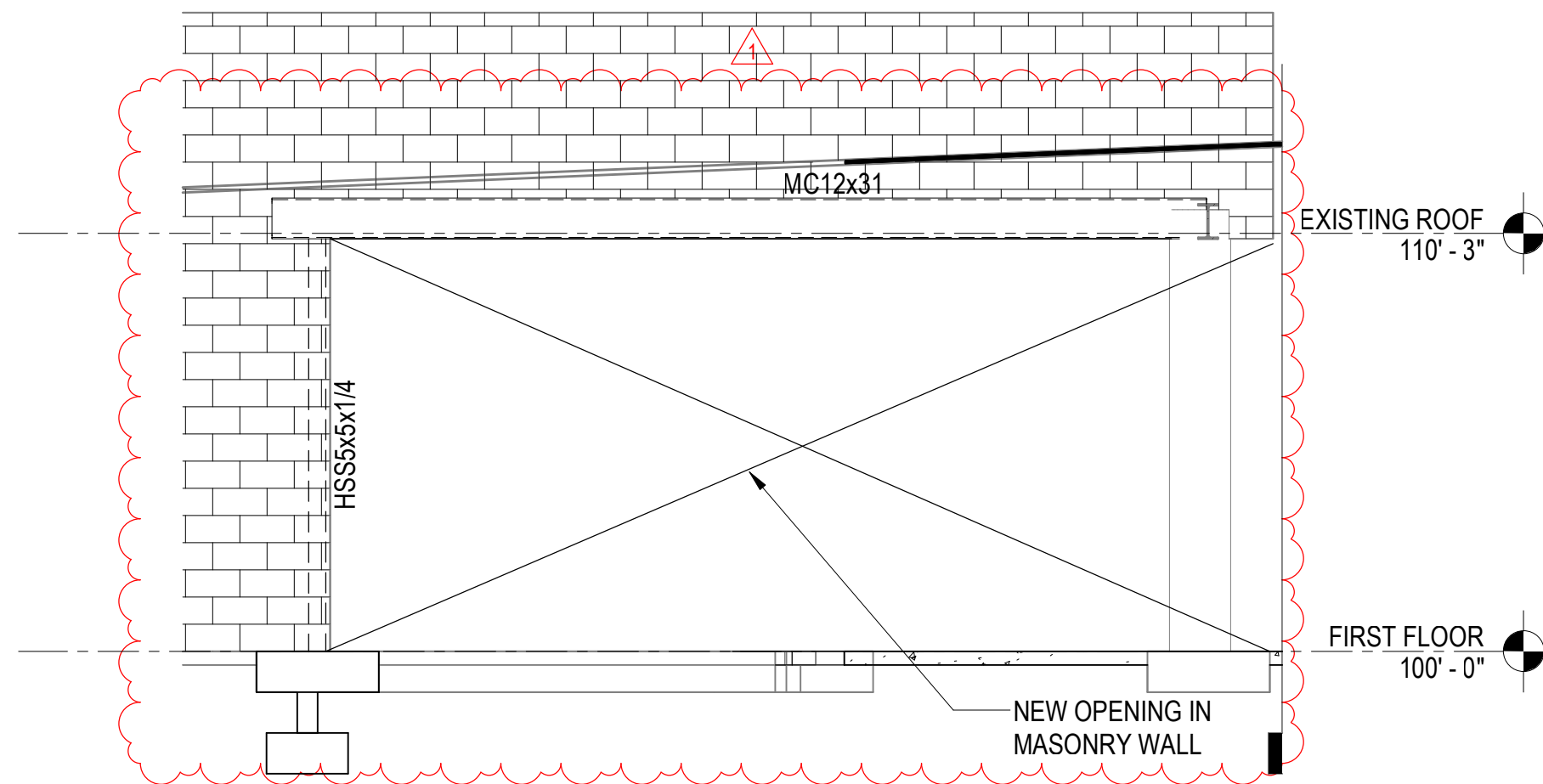
A1 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



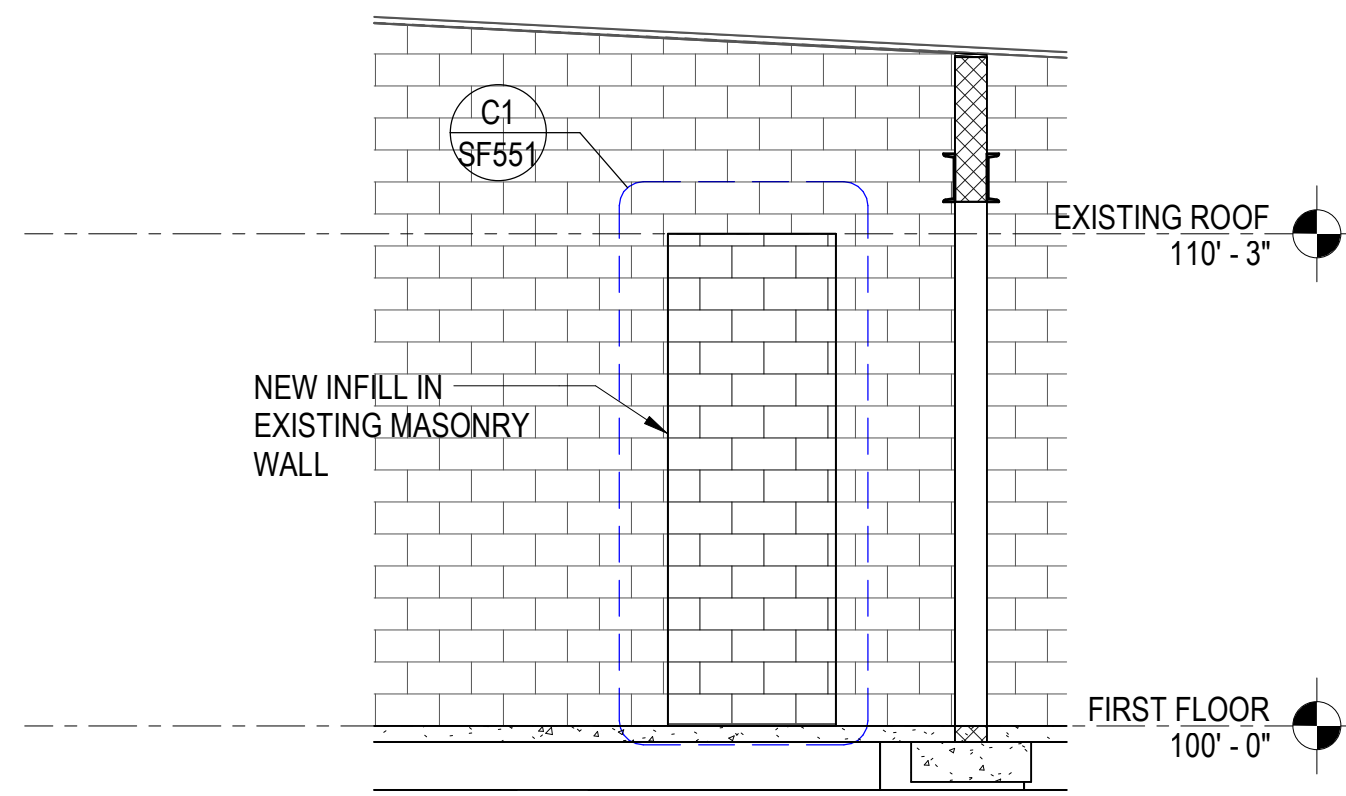
A2 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



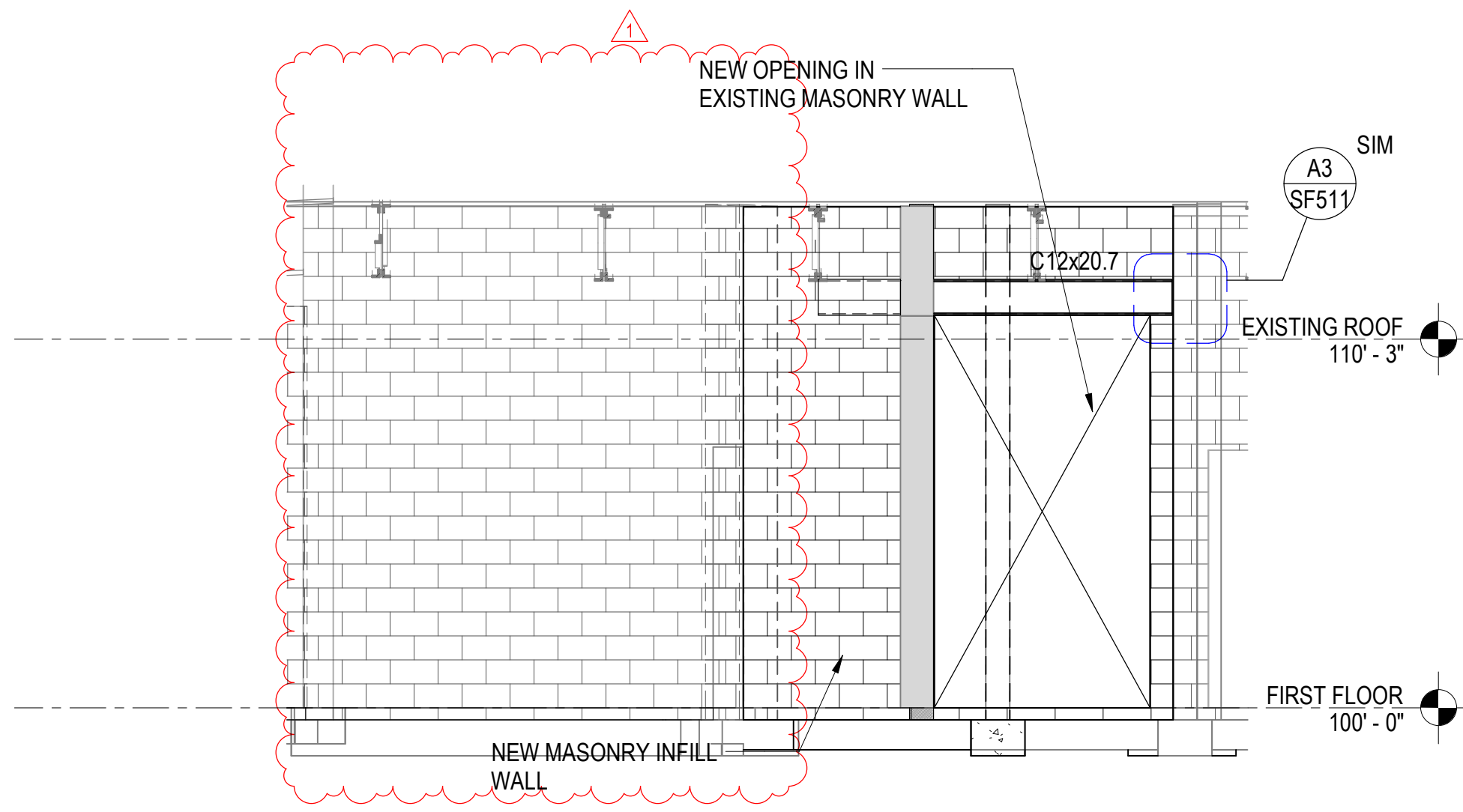
A4 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



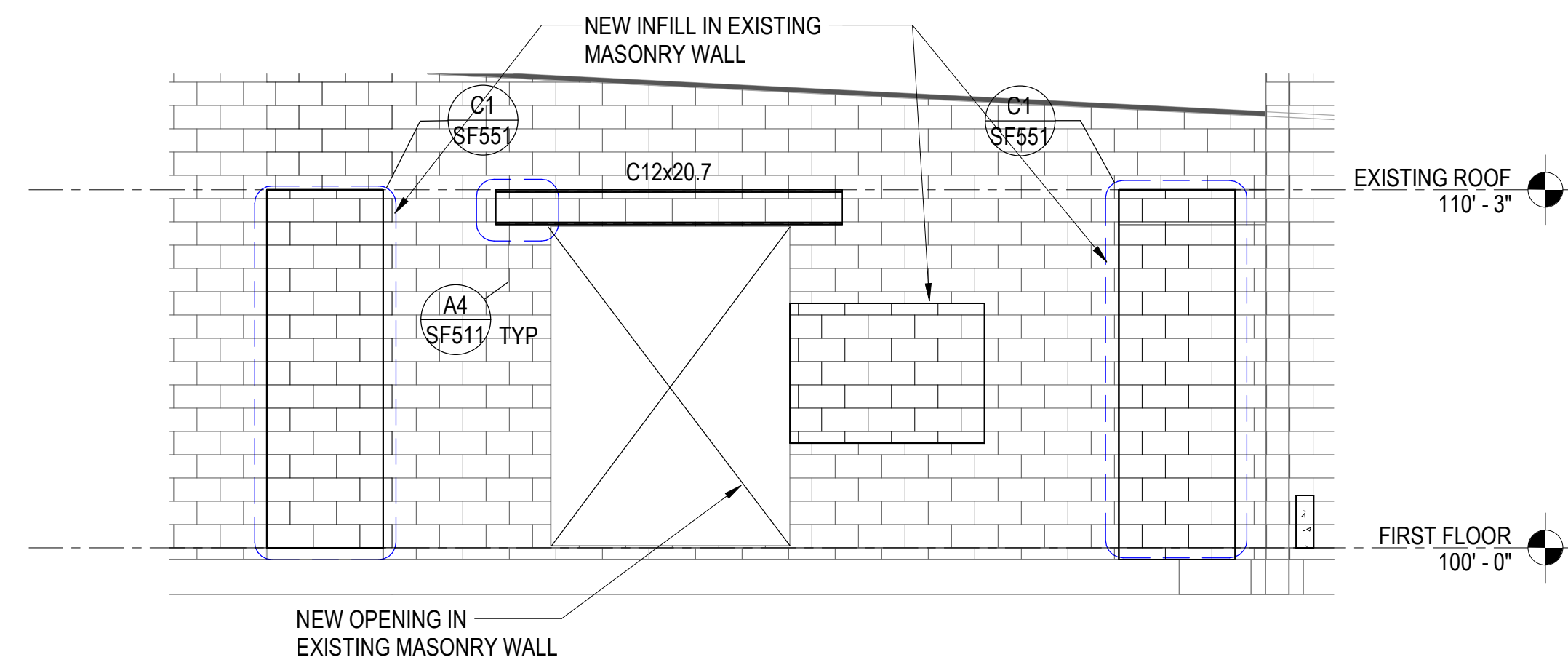
C1 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



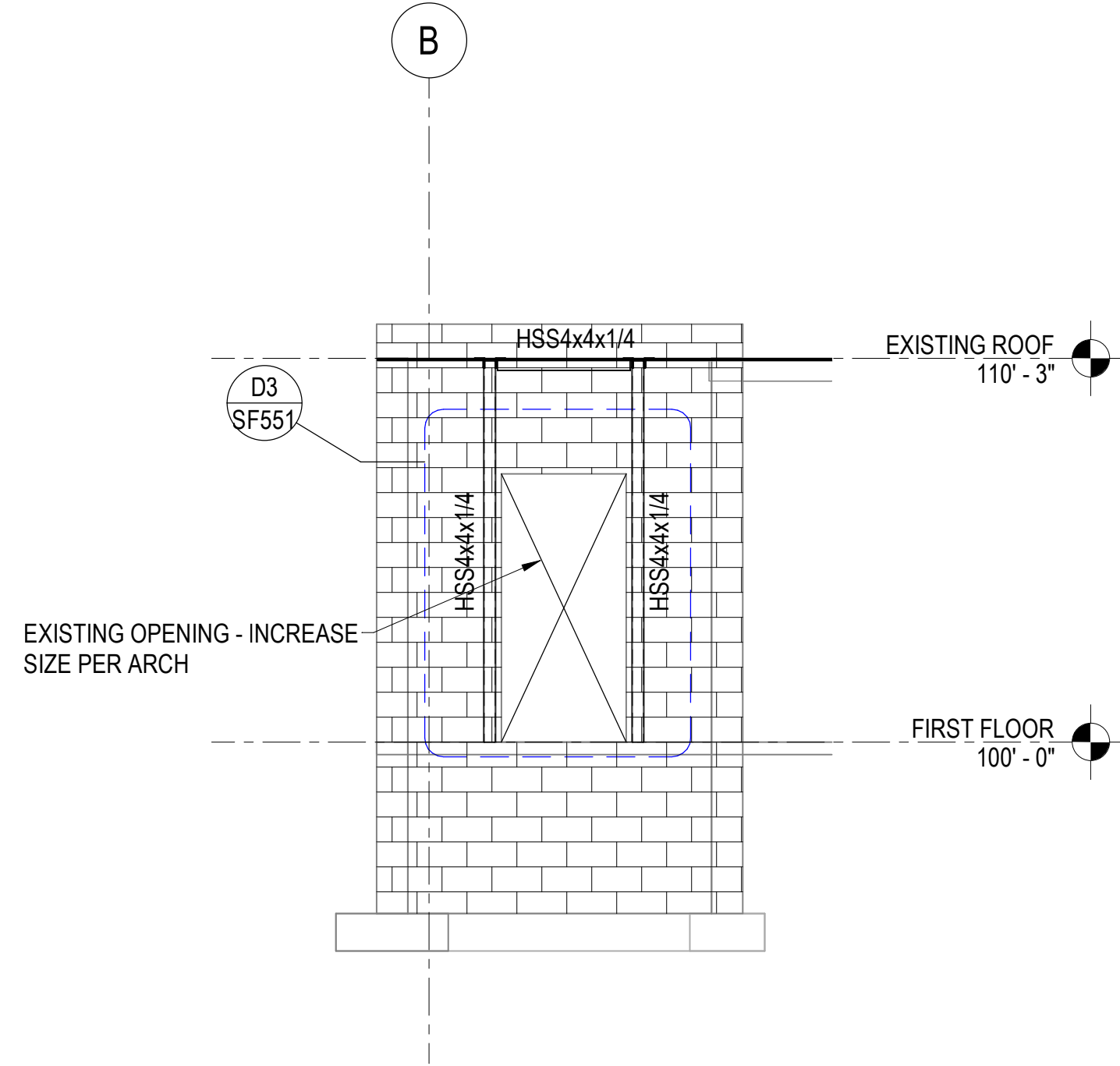
C2 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



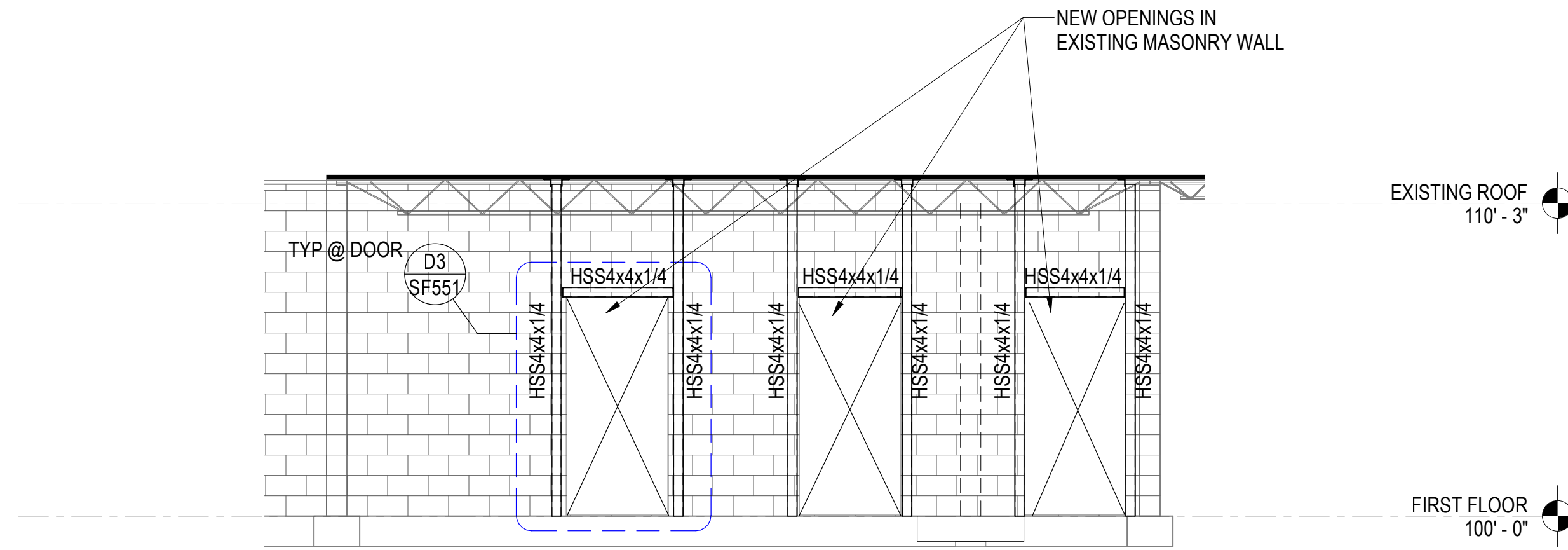
C4 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



D1 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



D2 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



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SHEET NAME
WALL ELEVATIONS

SHEET NUMBER

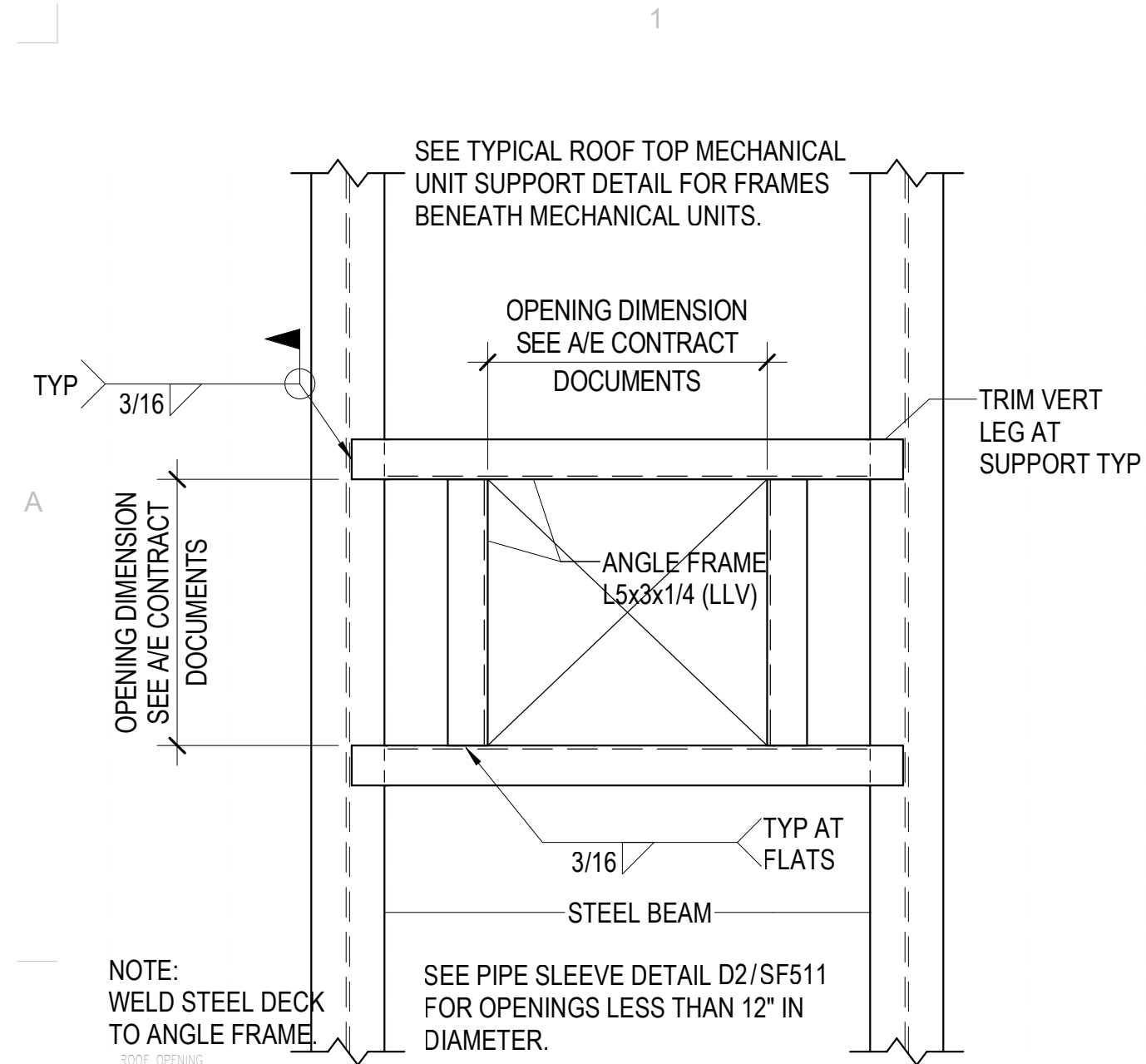
SF201

RETURN TO INDEX

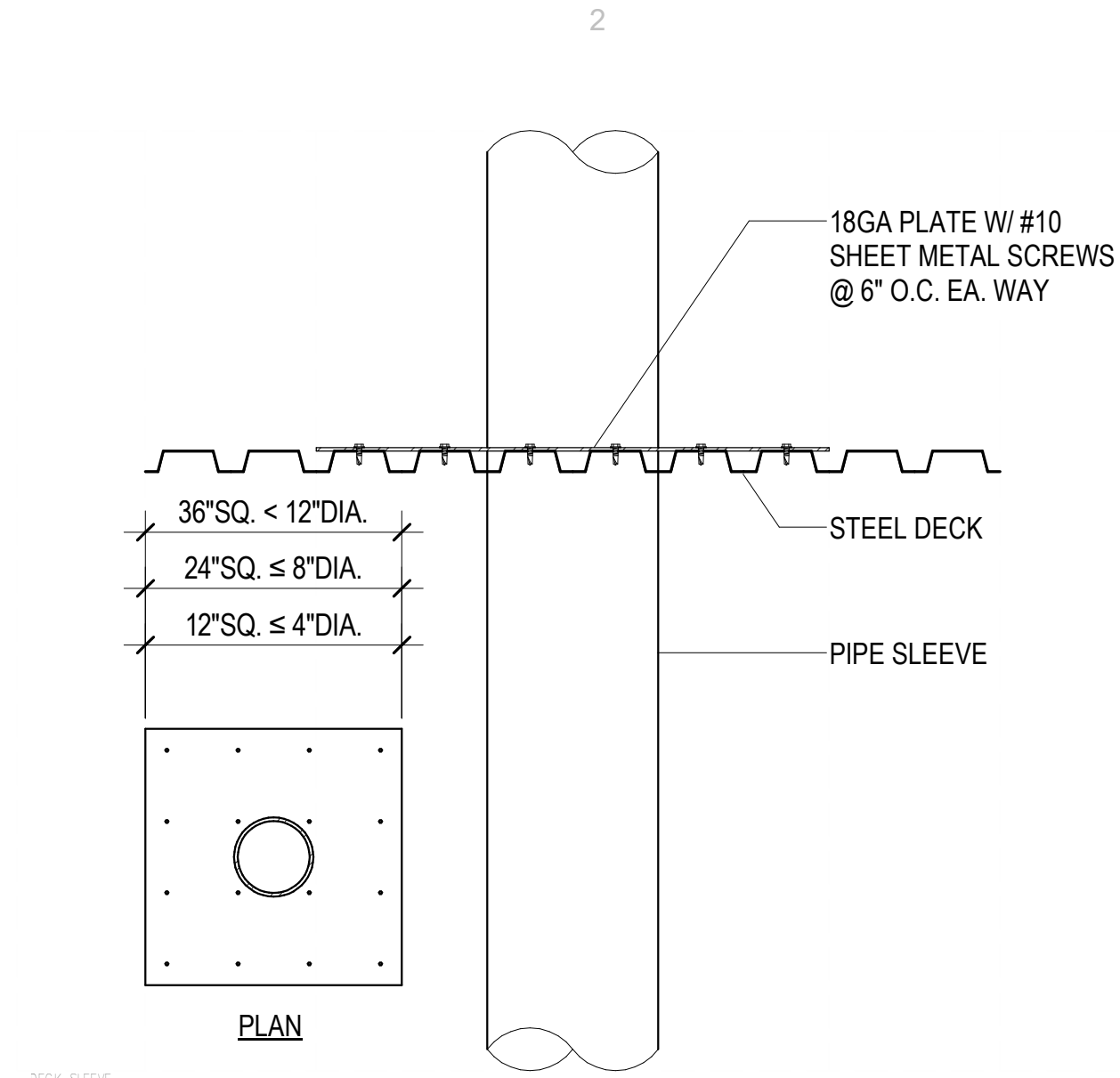
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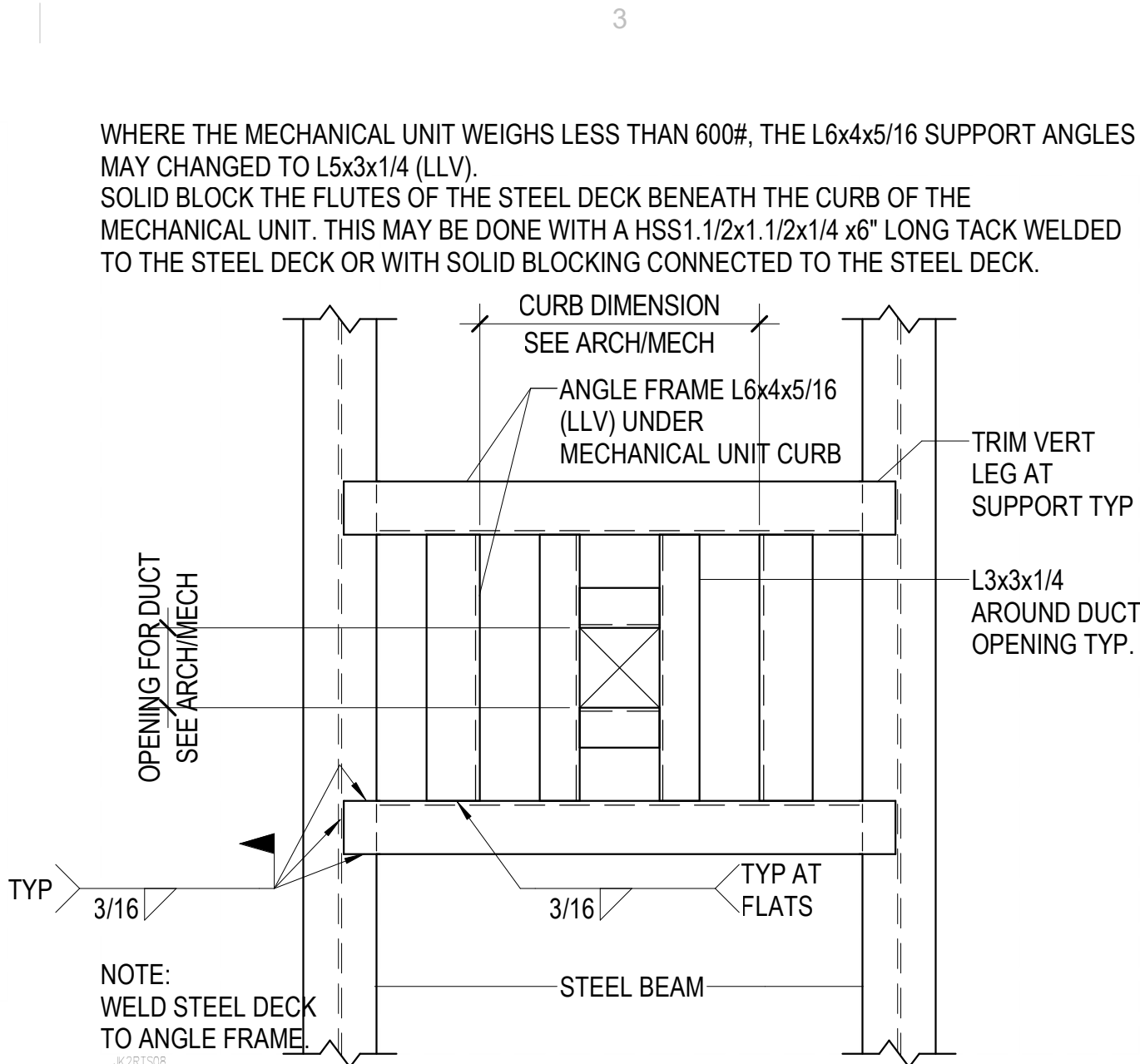
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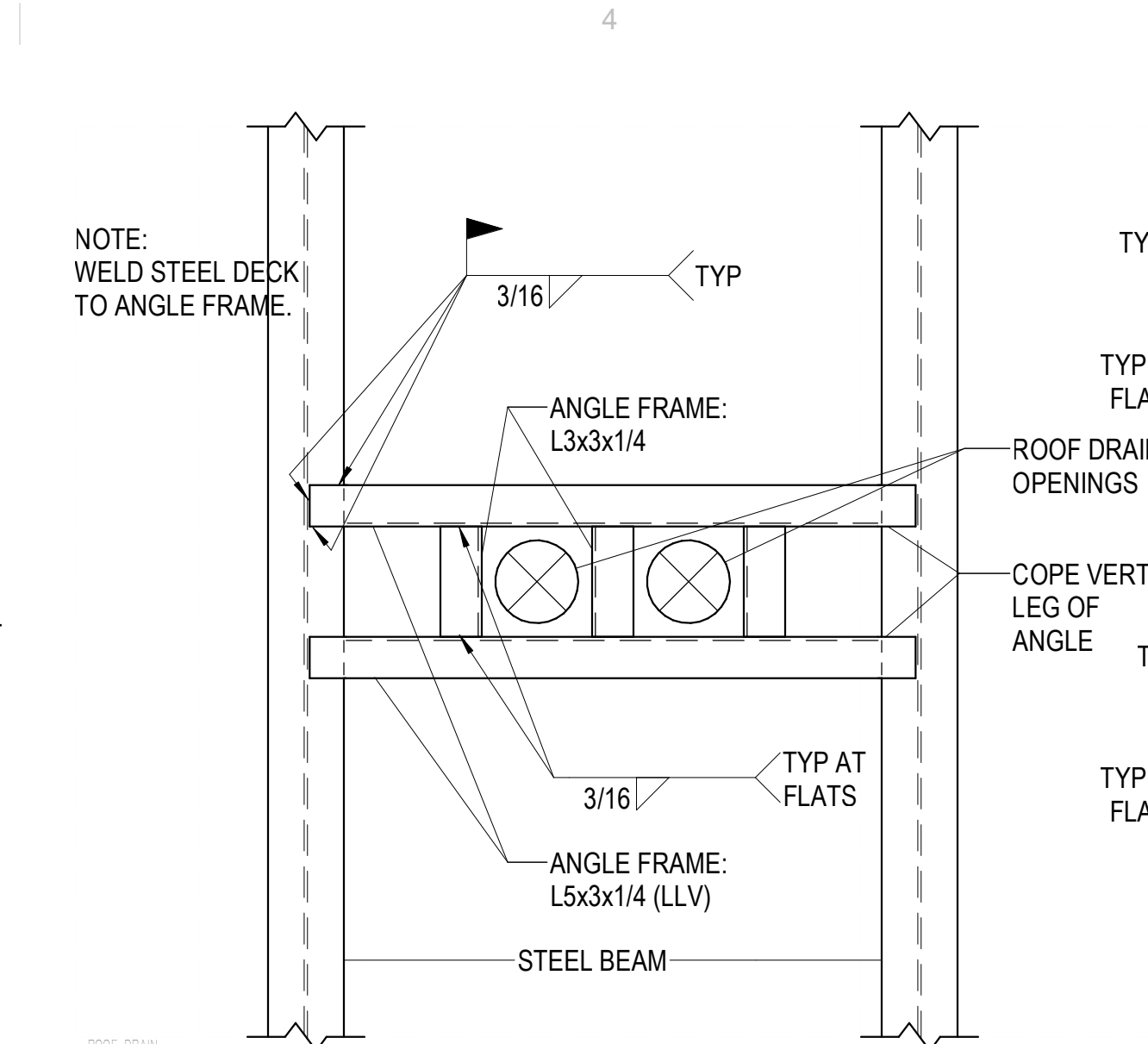
D1 TYPICAL ROOF OPENING DETAIL (PLAN VIEW)
SF511 NO SCALE



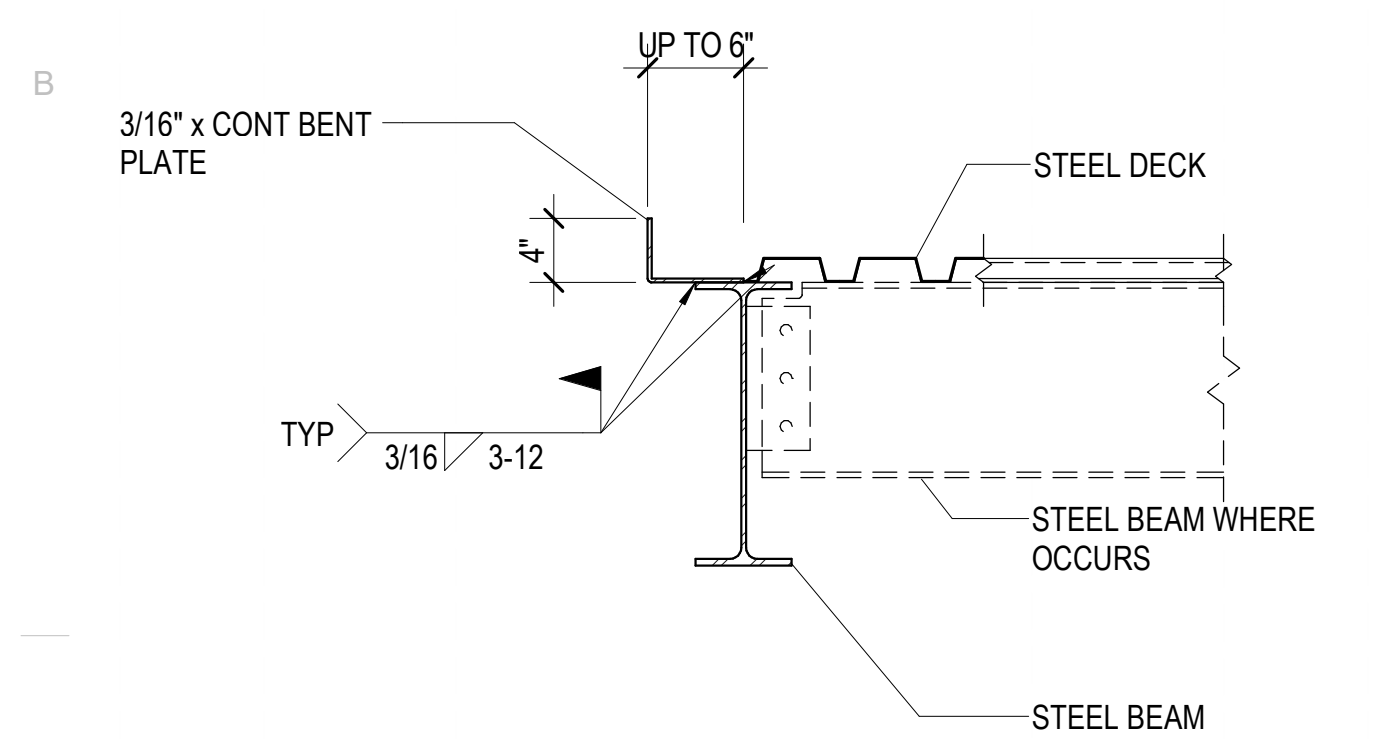
D2 TYPICAL PIPE SLEEVE HOLE THRU ROOF DECK
SF511 NO SCALE



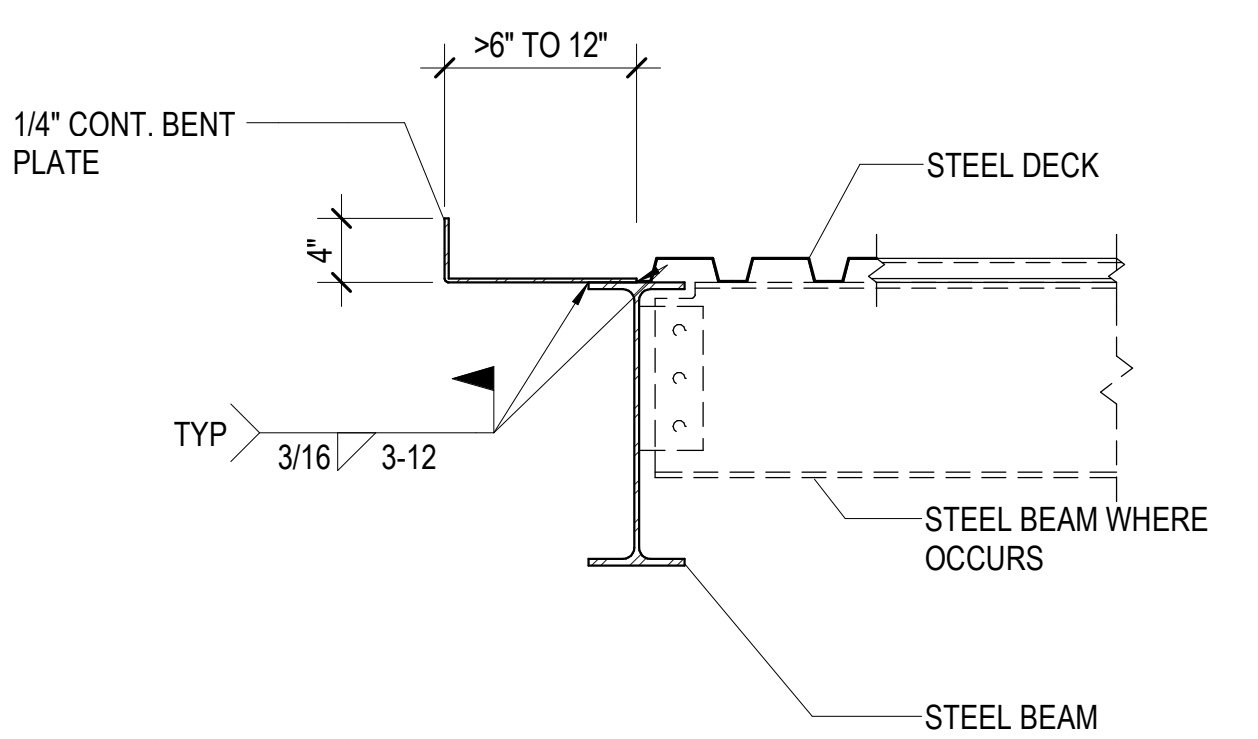
D3 TYP ROOF TOP MECHANICAL UNIT SUPPORT DETAIL (PLAN VIEW)
SF511 NO SCALE



D4 TYPICAL ROOF DRAIN OPENING (PLAN VIEW)
SF511 NO SCALE



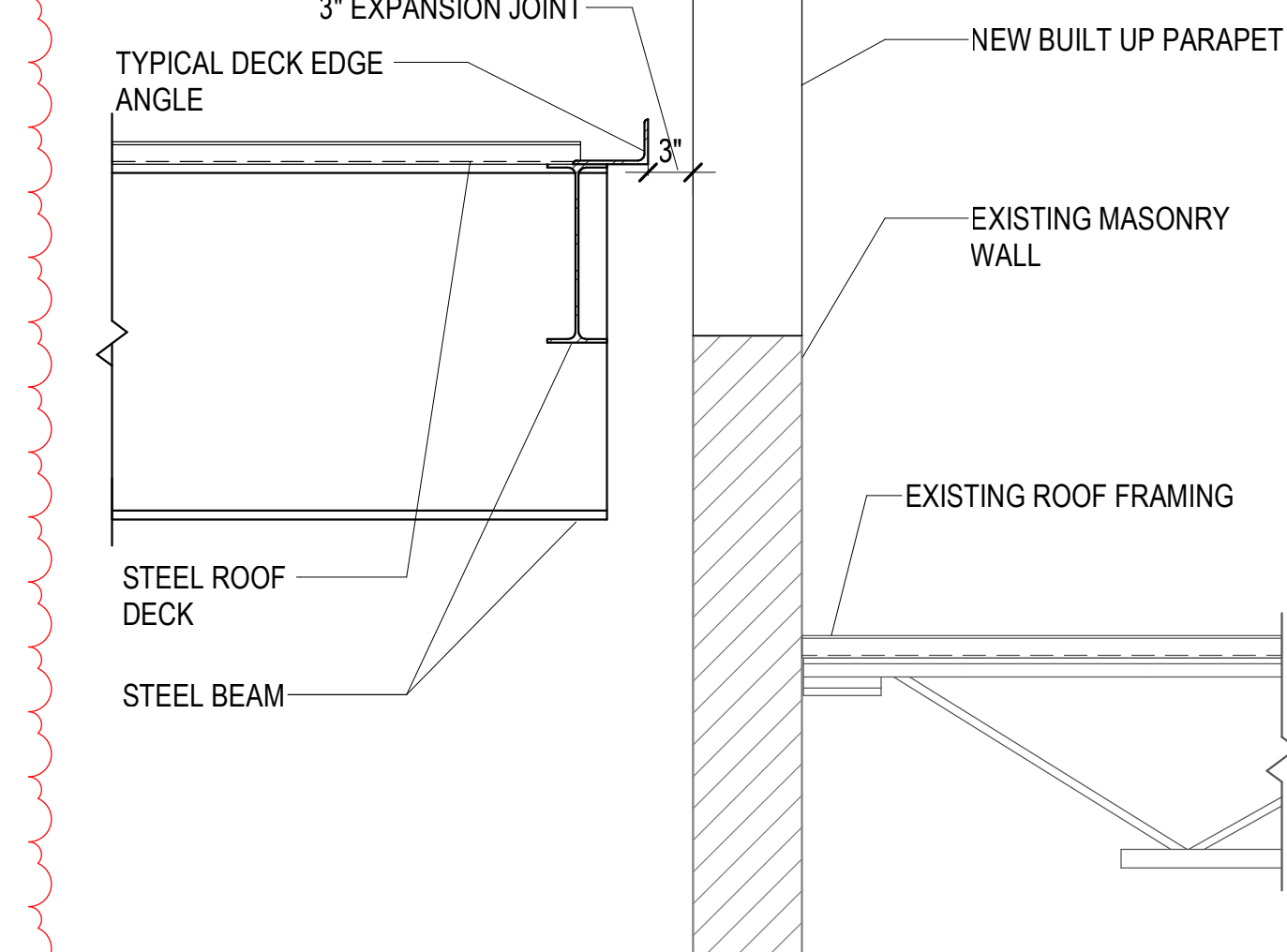
C1 TYPICAL ROOF EDGE DETAILS AT STEEL BEAMS
SF511 NO SCALE



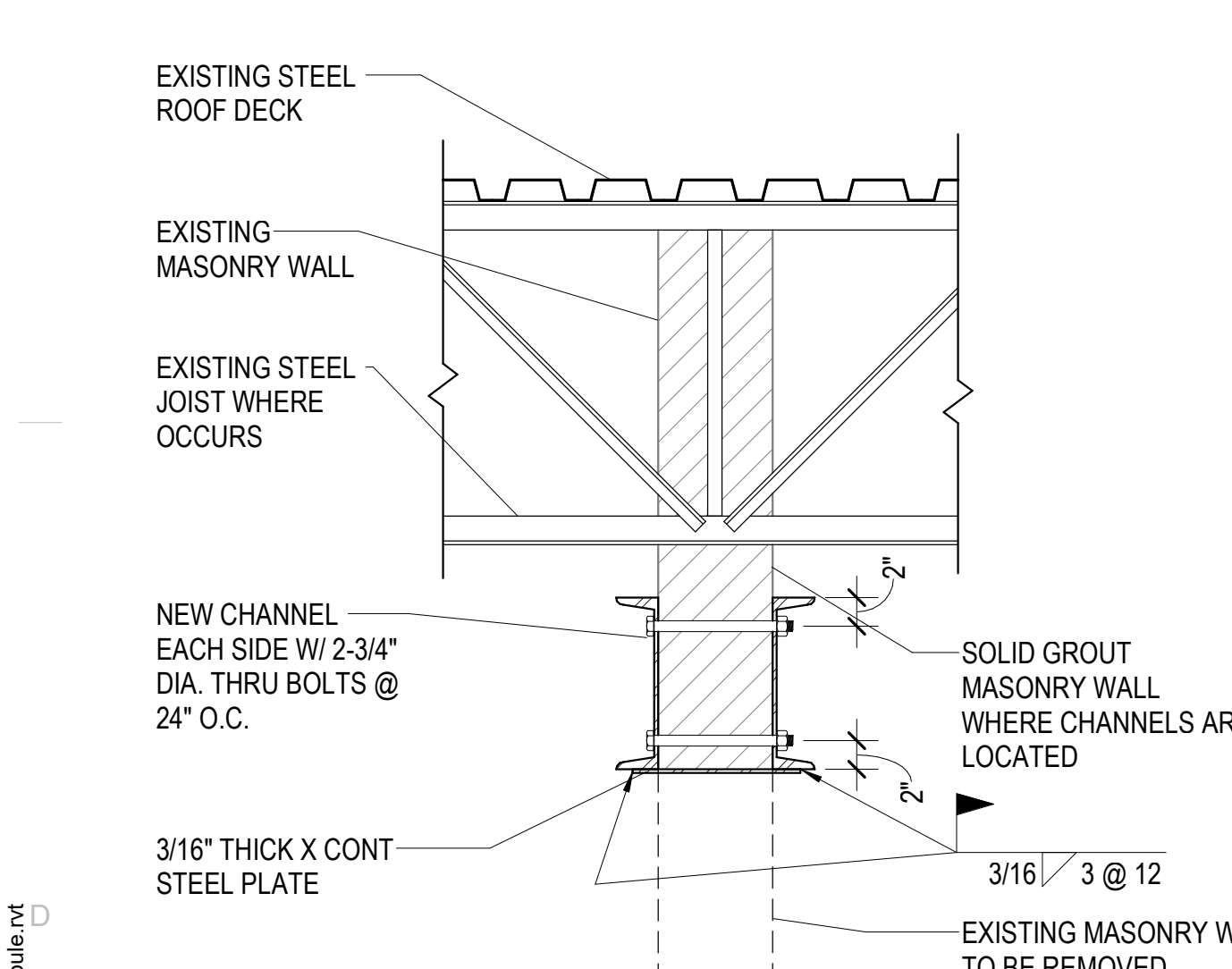
C3 TYPICAL STEEL BEAM BOTTOM FLANGE BRACE DETAIL
SF511 NO SCALE

ANGLE BRACE SCHEDULE		
BRACE LENGTH "L"	ANGLE BRACE SIZE	WELD PLATE SIZE
UP TO 4'-0"	L2x2x1/4	4"x1/4"x4"
4'-0" TO 8'-0"	L3x3x1/4	4"x1/4"x4"
8'-0" TO 12'-0"	2-L2 1/2x2 1/2x1/4	4"x3/8"x4"
12'-0" TO 16'-0"	2-L3x3x1/4	5"x3/8"x5"

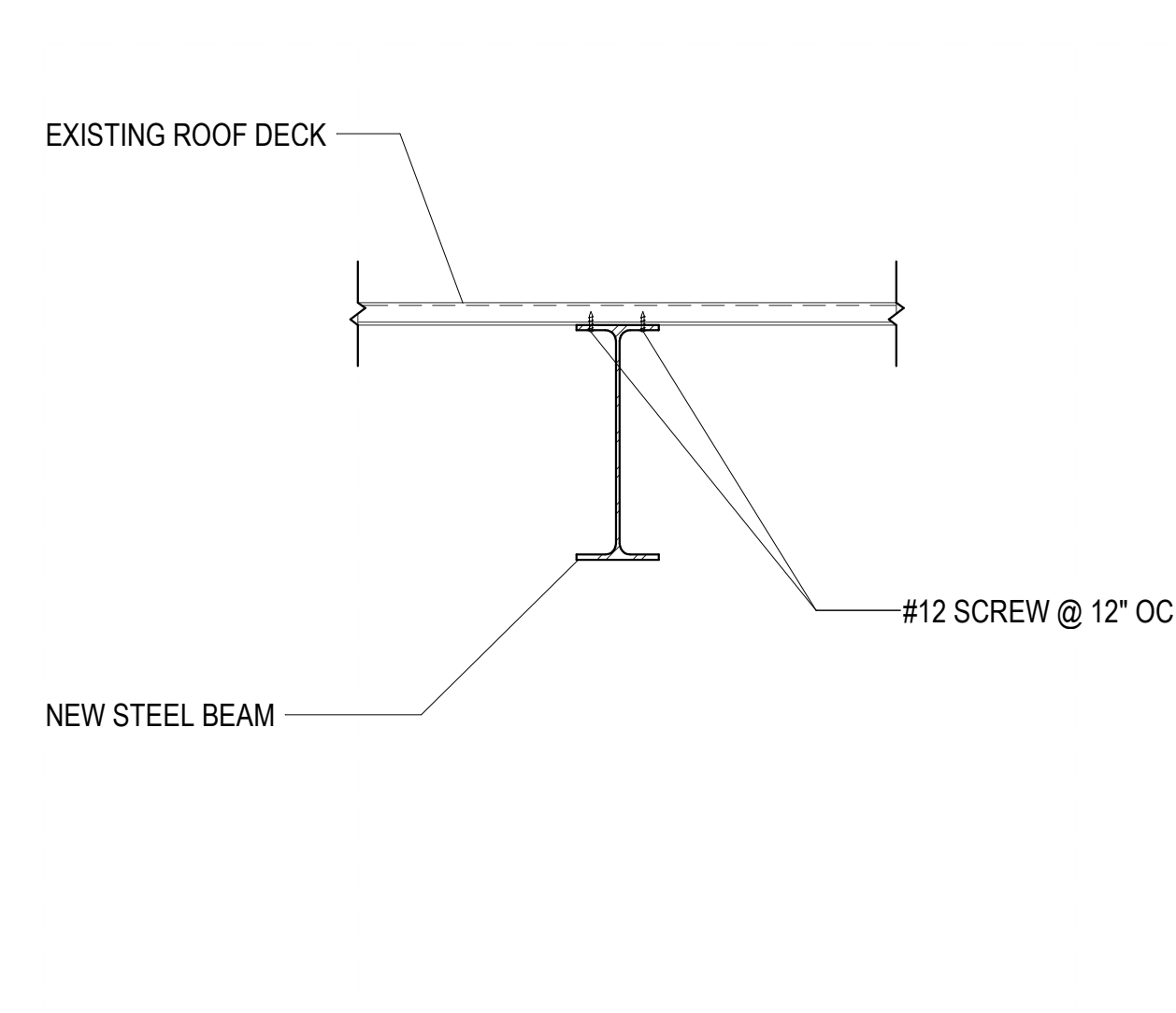
NOTE:
1. WHERE DOUBLE ANGLES ARE USED PROVIDE 3"x3/8" SPACER PLATES AT THIRD POINTS.



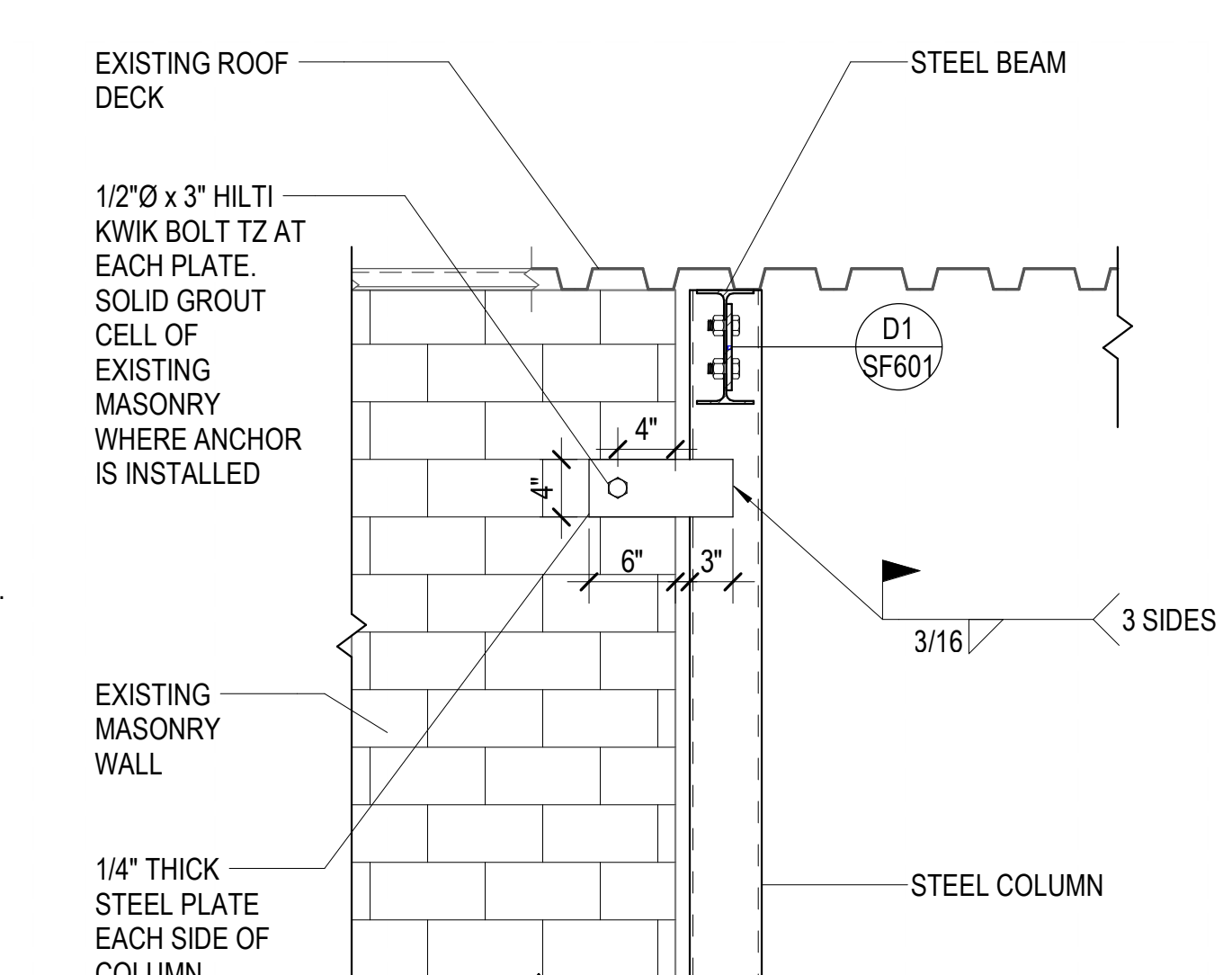
C5 ROOF FRAMING AT EXPANSION JOINT
SF511 NO SCALE



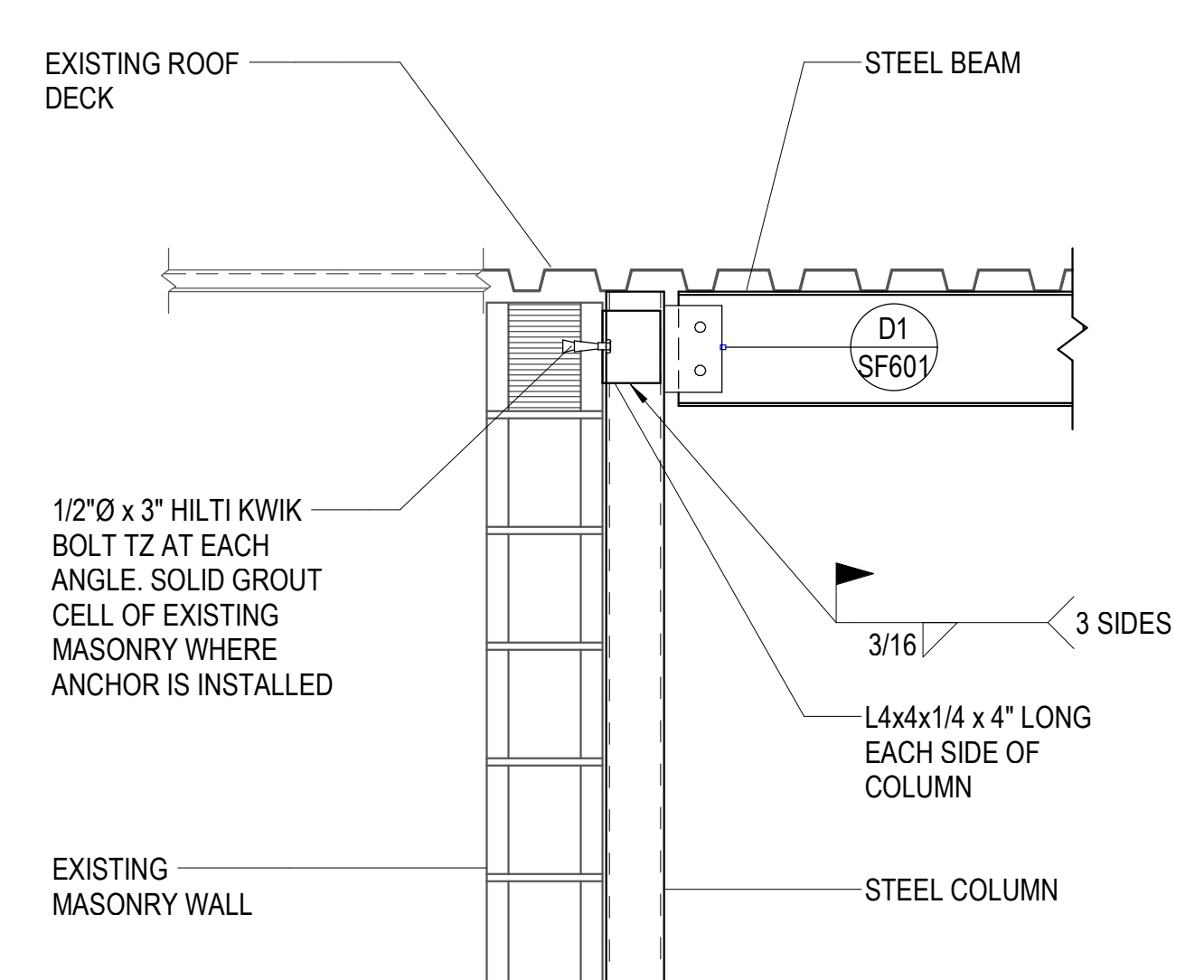
B1 CHANNELS ABOVE NEW OPENINGS AT EXISTING MASONRY WALL
SF511 NO SCALE



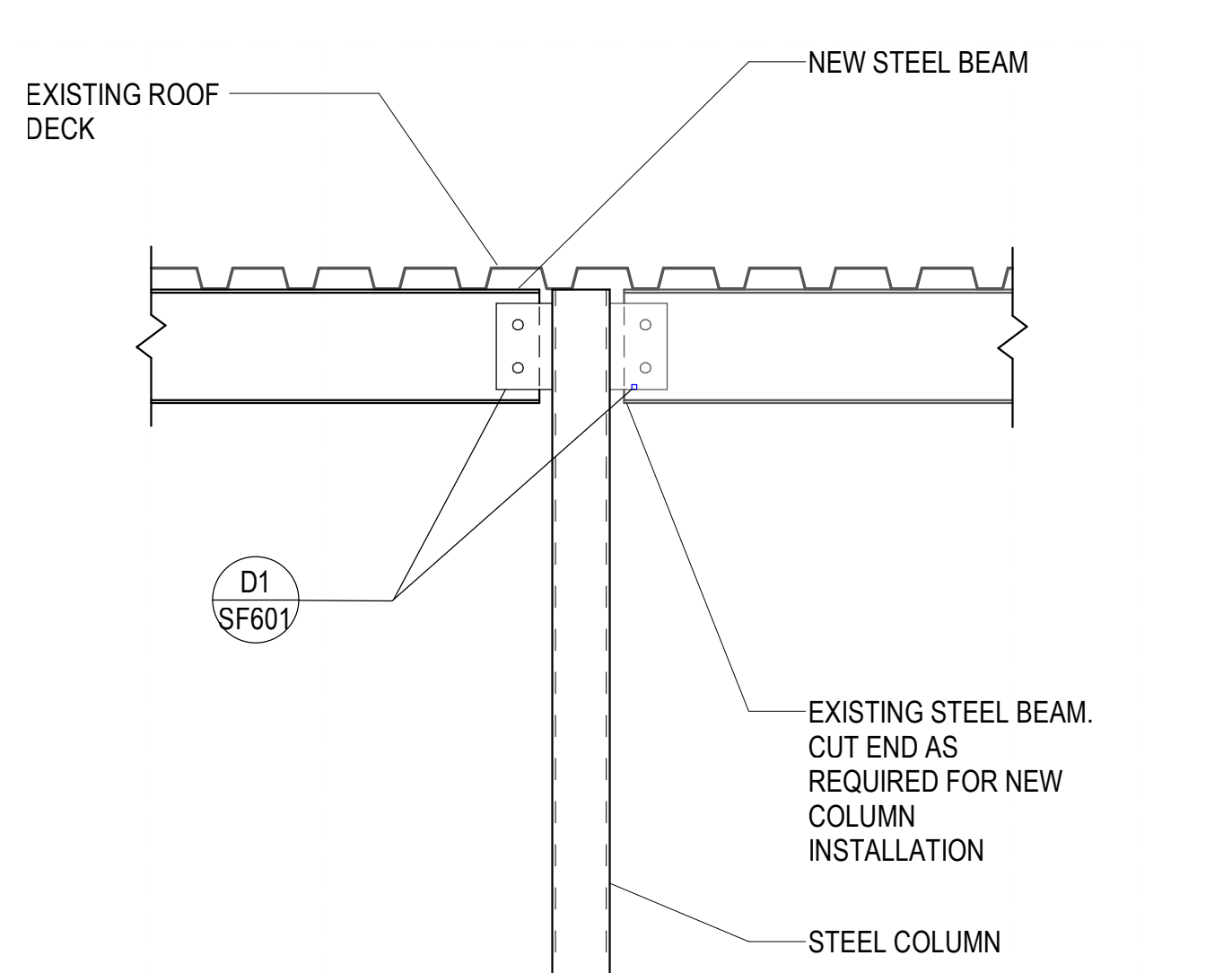
B2 NEW BEAM TO EXISTING ROOF DECK
SF511 NO SCALE



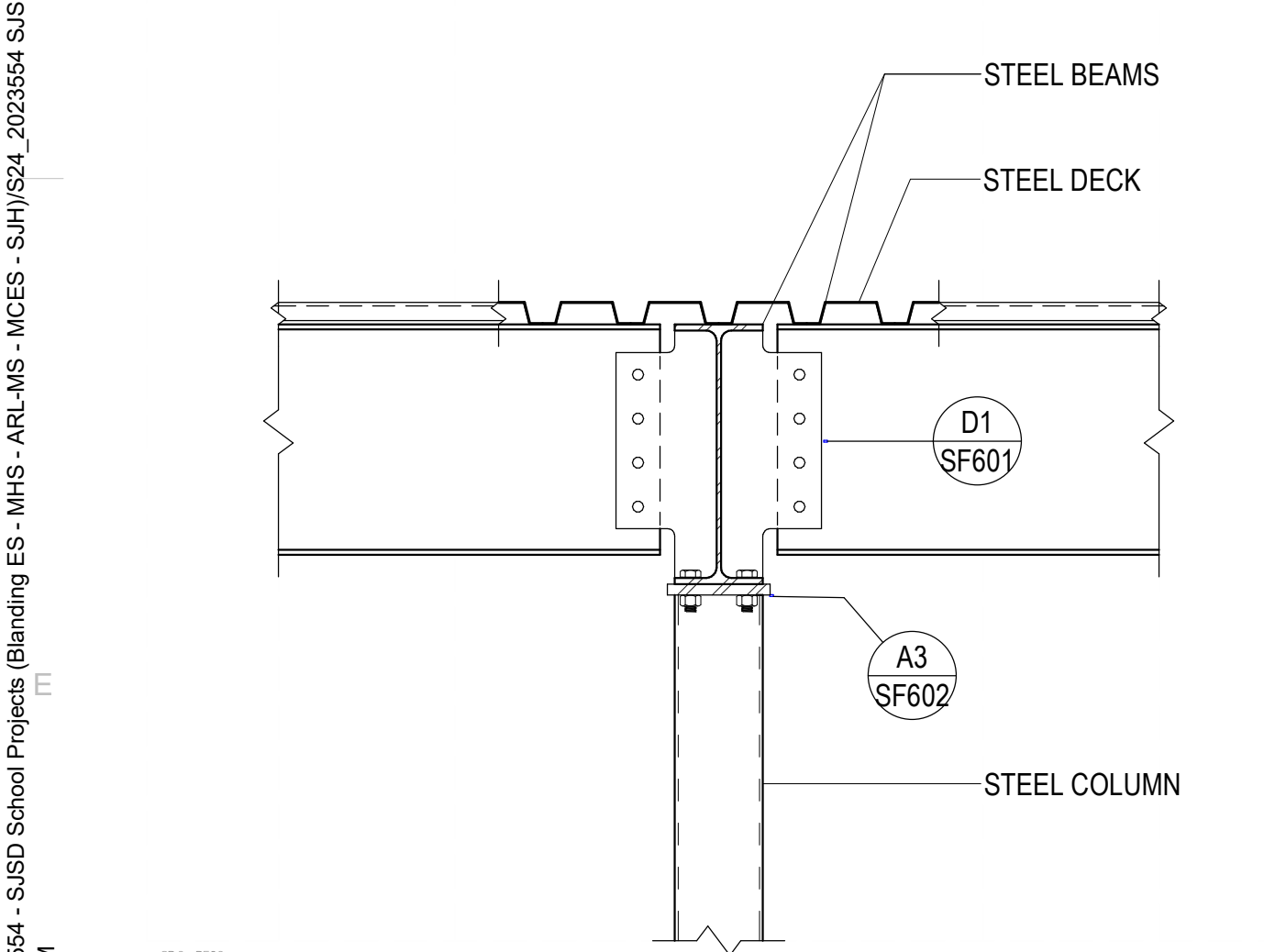
B3 NEW COLUMN BRACING AT EXISTING WALL-END
SF511 NO SCALE



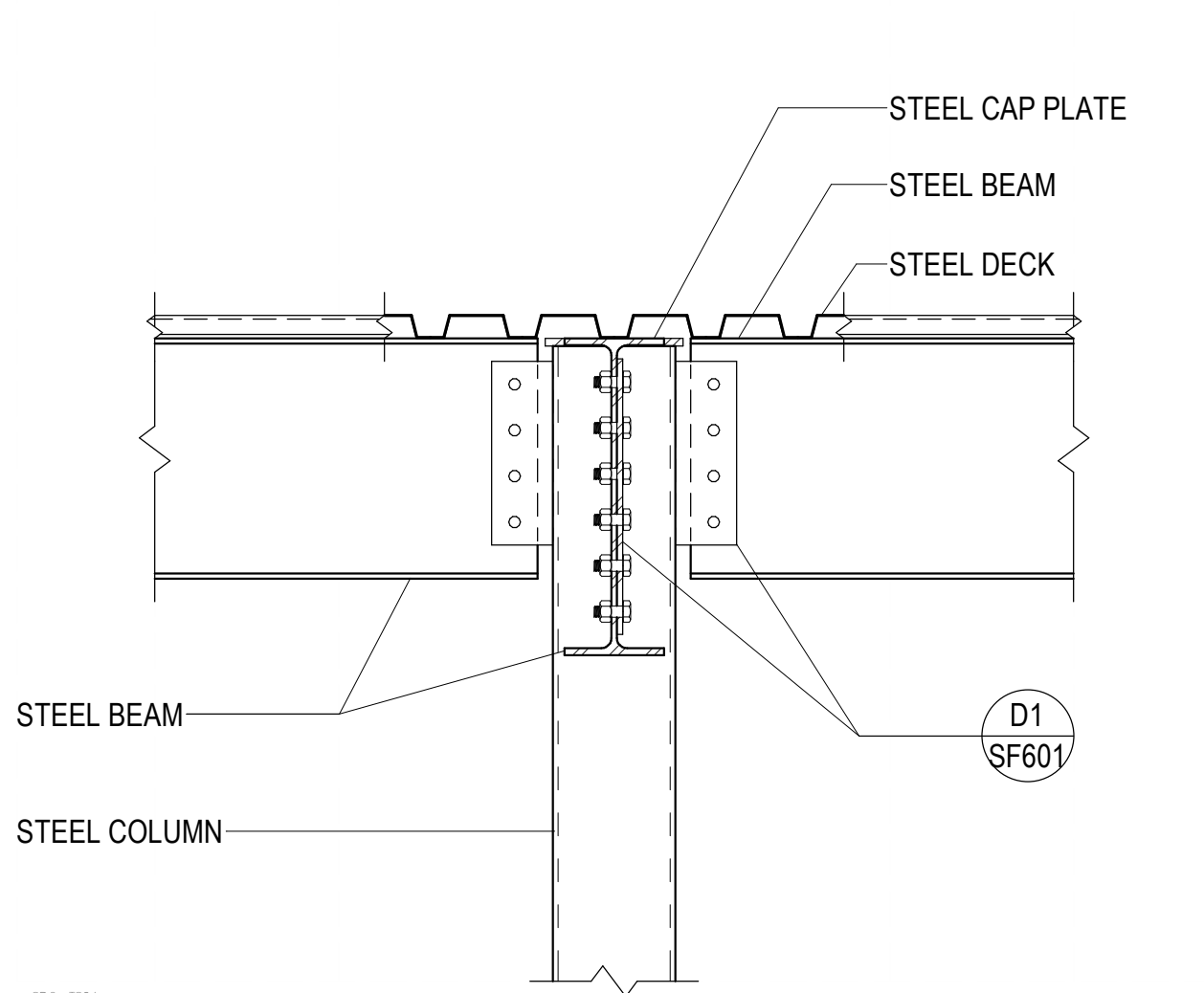
B4 NEW COLUMN BRACING AT EXISTING WALL-SIDE
SF511 NO SCALE



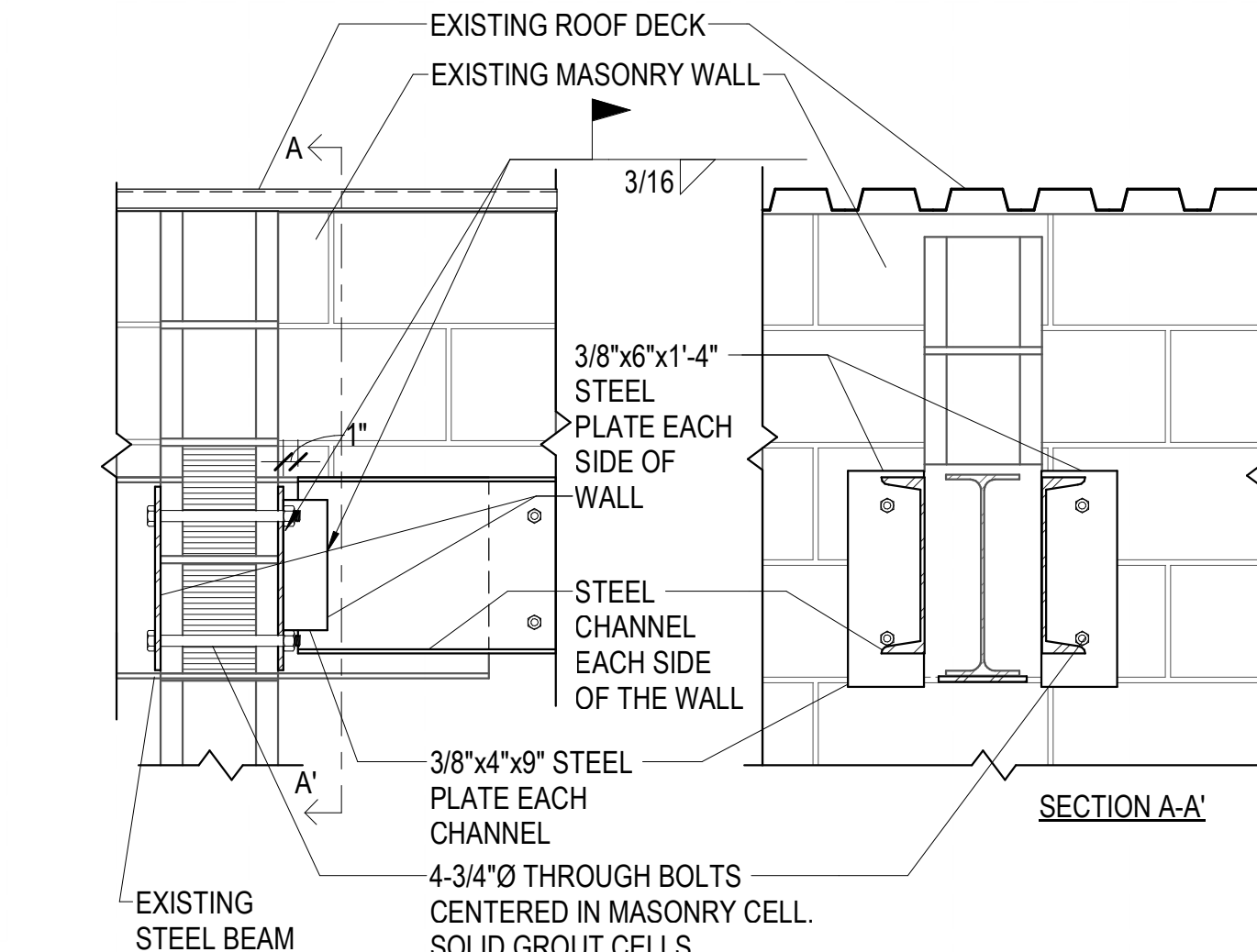
B5 EXISTING BEAM TO NEW COLUMN CONN
SF511 NO SCALE



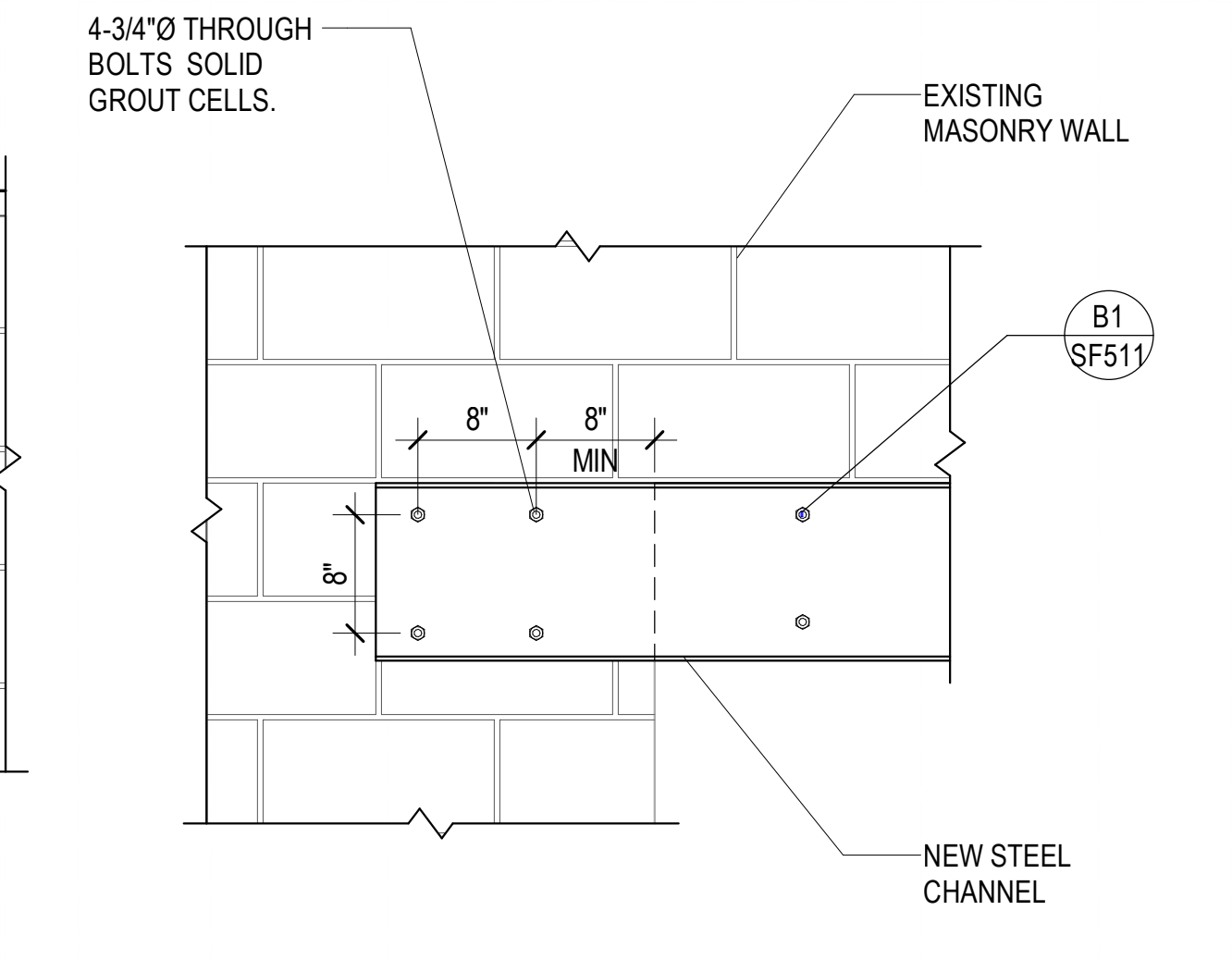
A1 STEEL BEAM TO STEEL COLUMN
SF511 NO SCALE



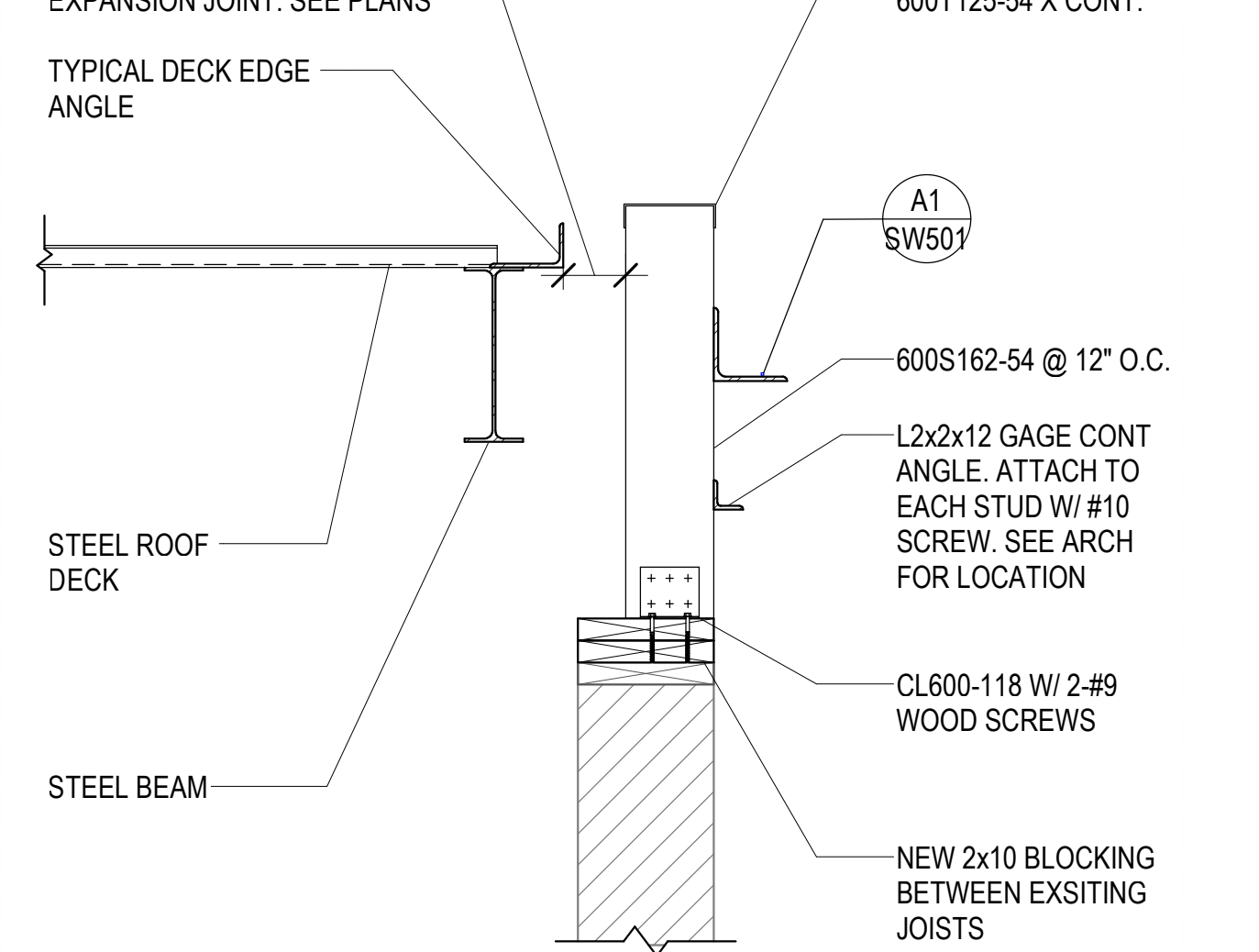
A2 STEEL BEAM CONNECTION TO STEEL COLUMN
SF511 NO SCALE



A3 STEEL CHANNEL TO PERPENDICULAR MASONRY COLUMN
SF511 NO SCALE



A4 NEW CHANNEL TO PARALLEL EXISTING WALL
SF511 NO SCALE



A5 NEW PARAPET AT EXISTING WALL
SF511 NO SCALE

**SAN JUAN SCHOOL DISTRICT
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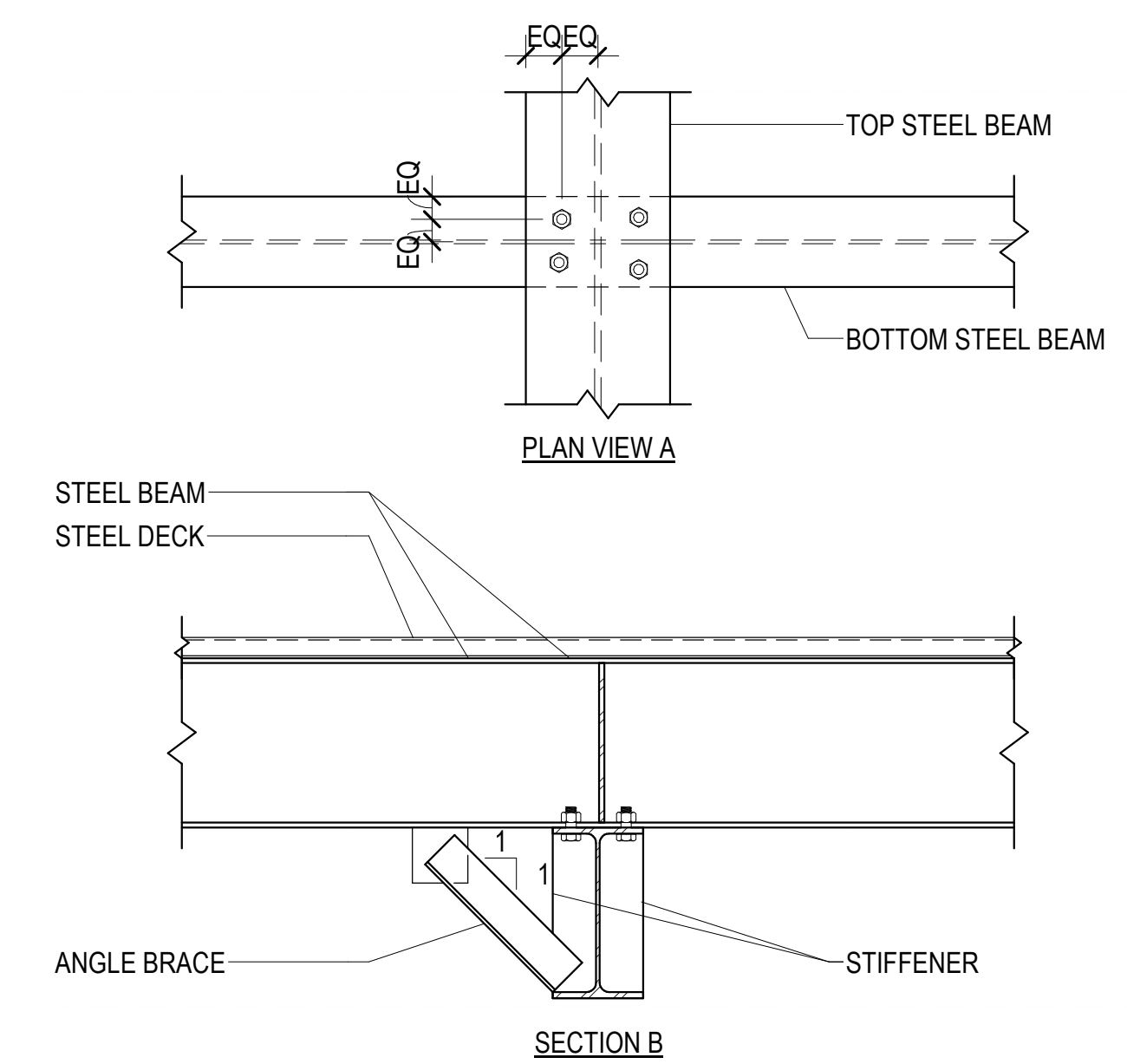
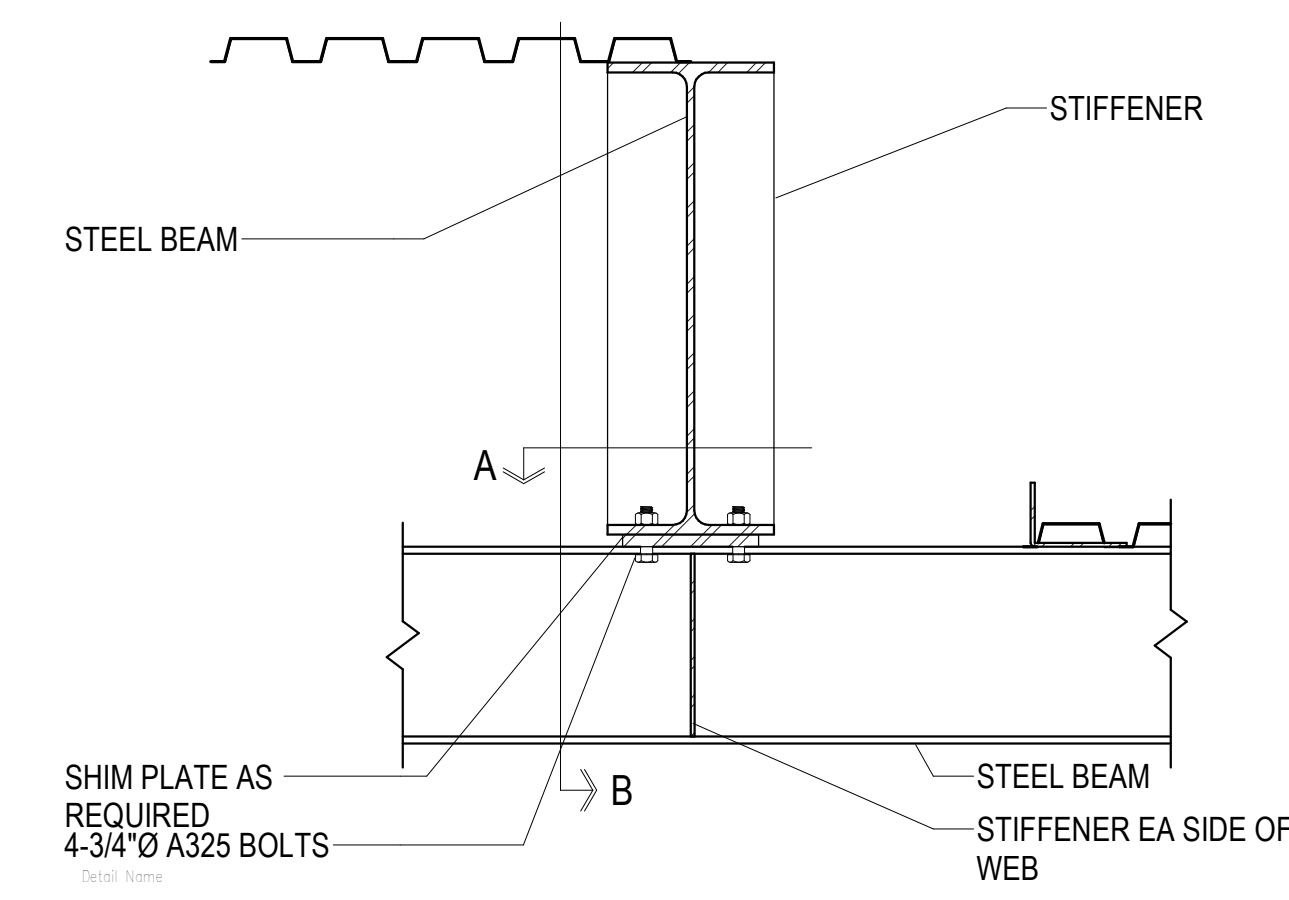
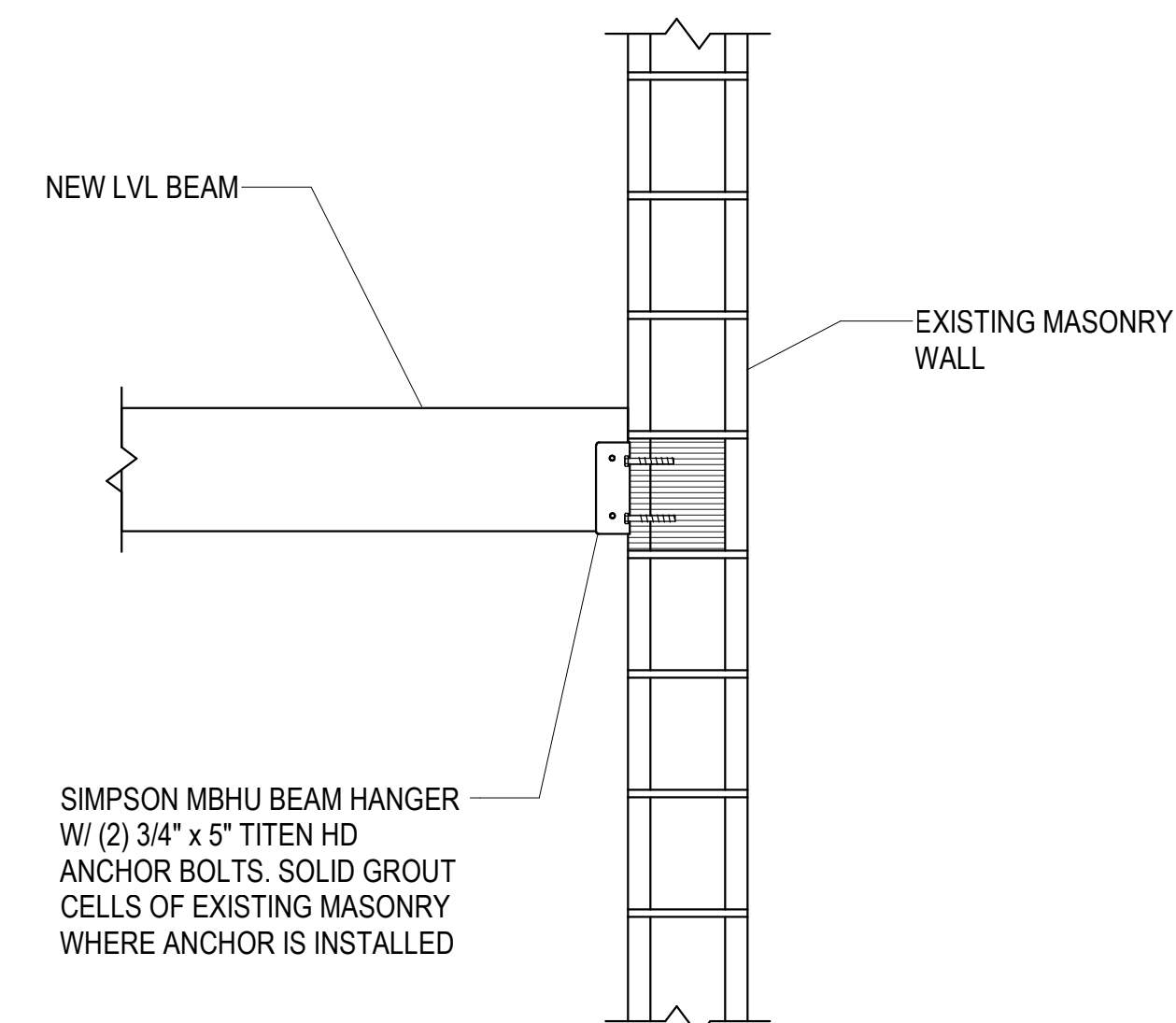
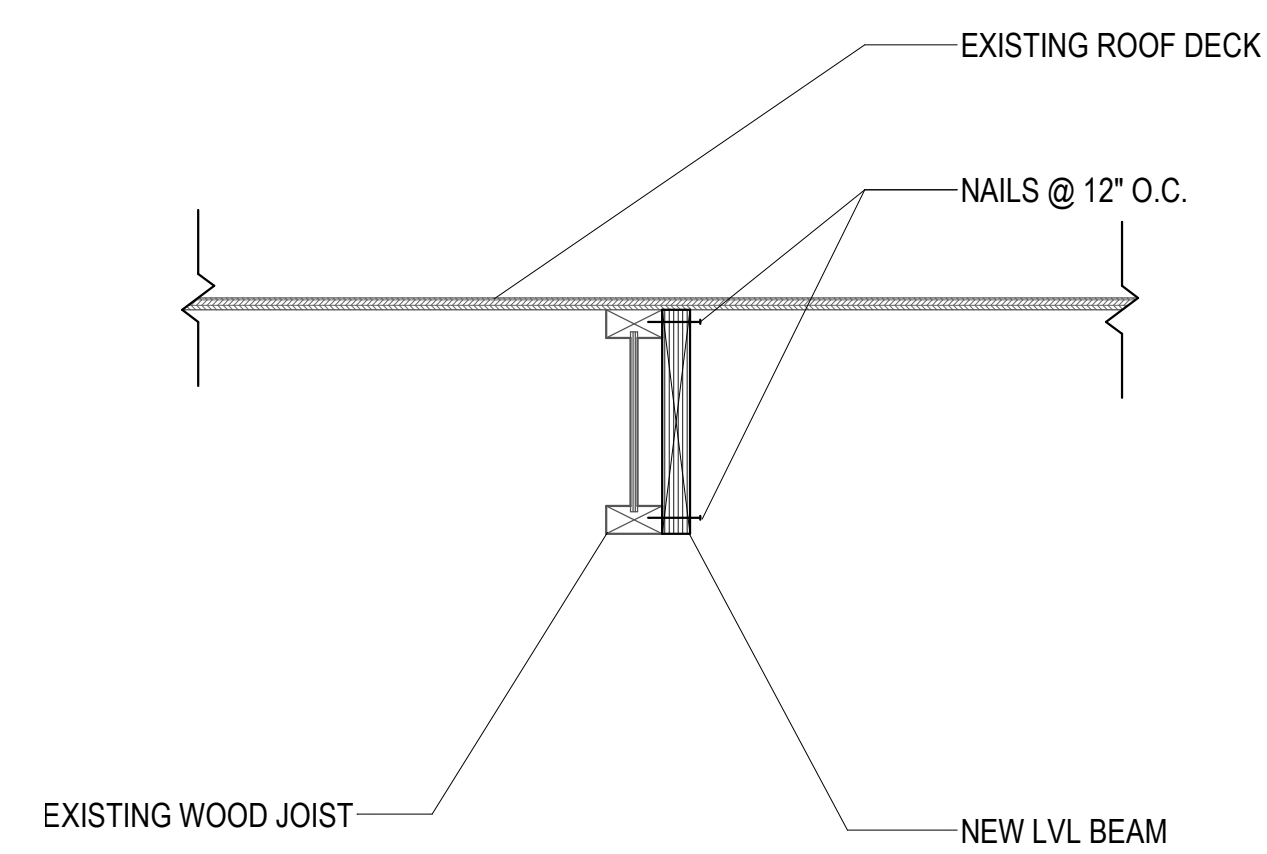
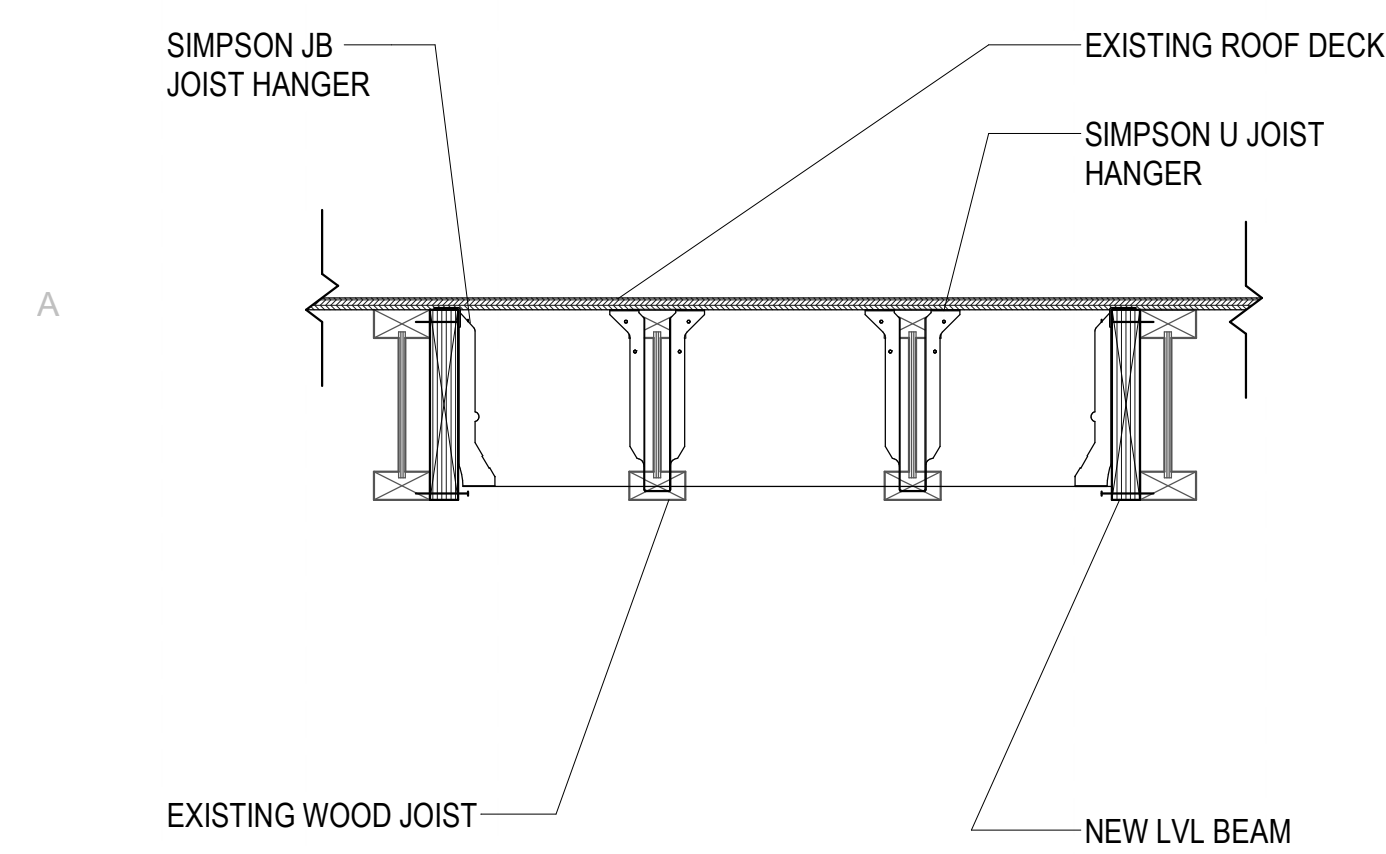
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SHEET NAME
TYPICAL ROOF FRAMING DETAILS

SHEET NUMBER

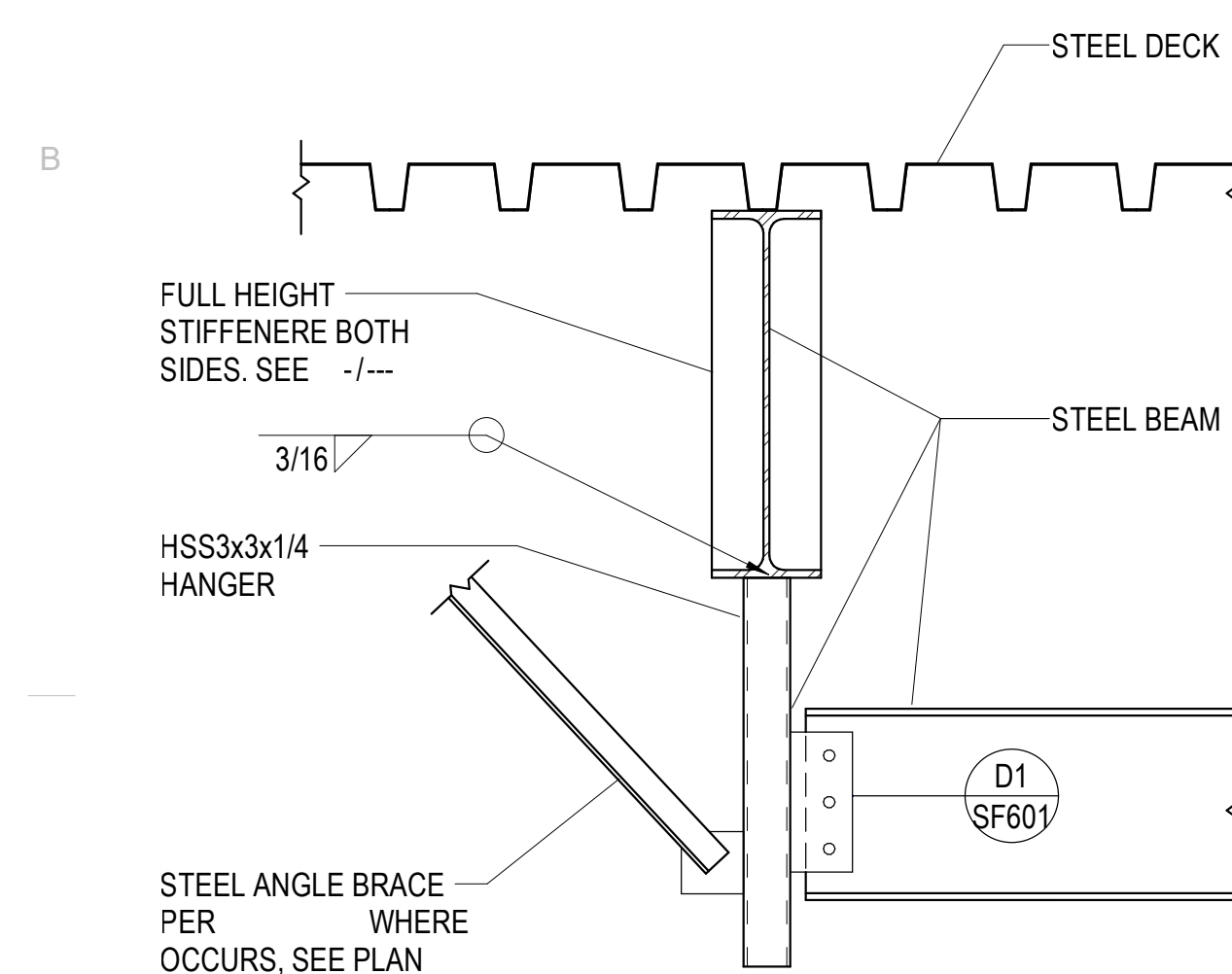


D1 ROOF HATCH OPENING DETAIL
SF512 NO SCALE

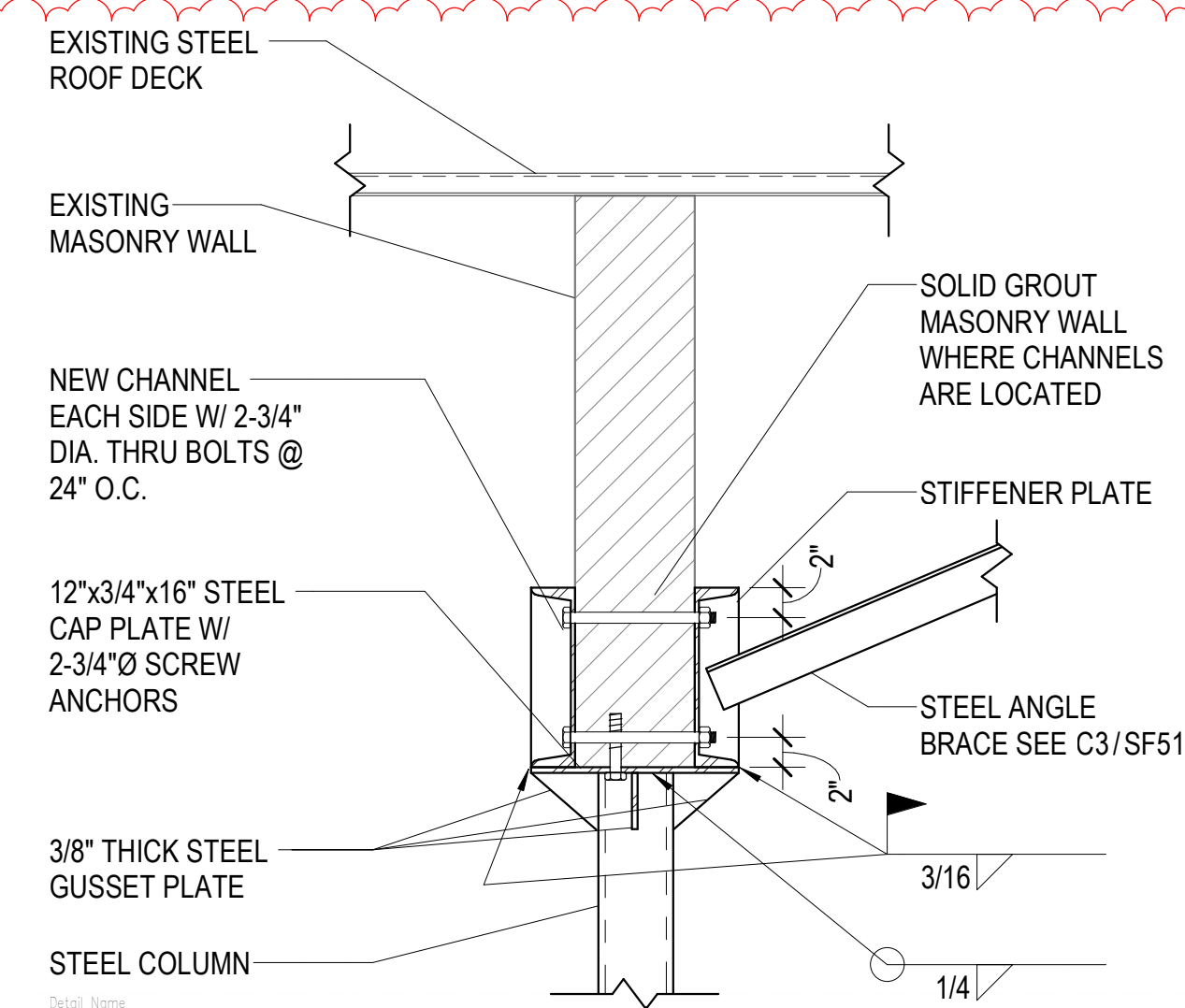
D2 NEW LVL BEAM TO EXISTING WOOD JOIST CONNECTION
SF512 NO SCALE

D3 LVL BEAM TO EXISTING MASONRY DETAIL
SF512 NO SCALE

D4 BOLTED HIGH BEAM TO LOW BEAM CONNECTION
SF512 NO SCALE



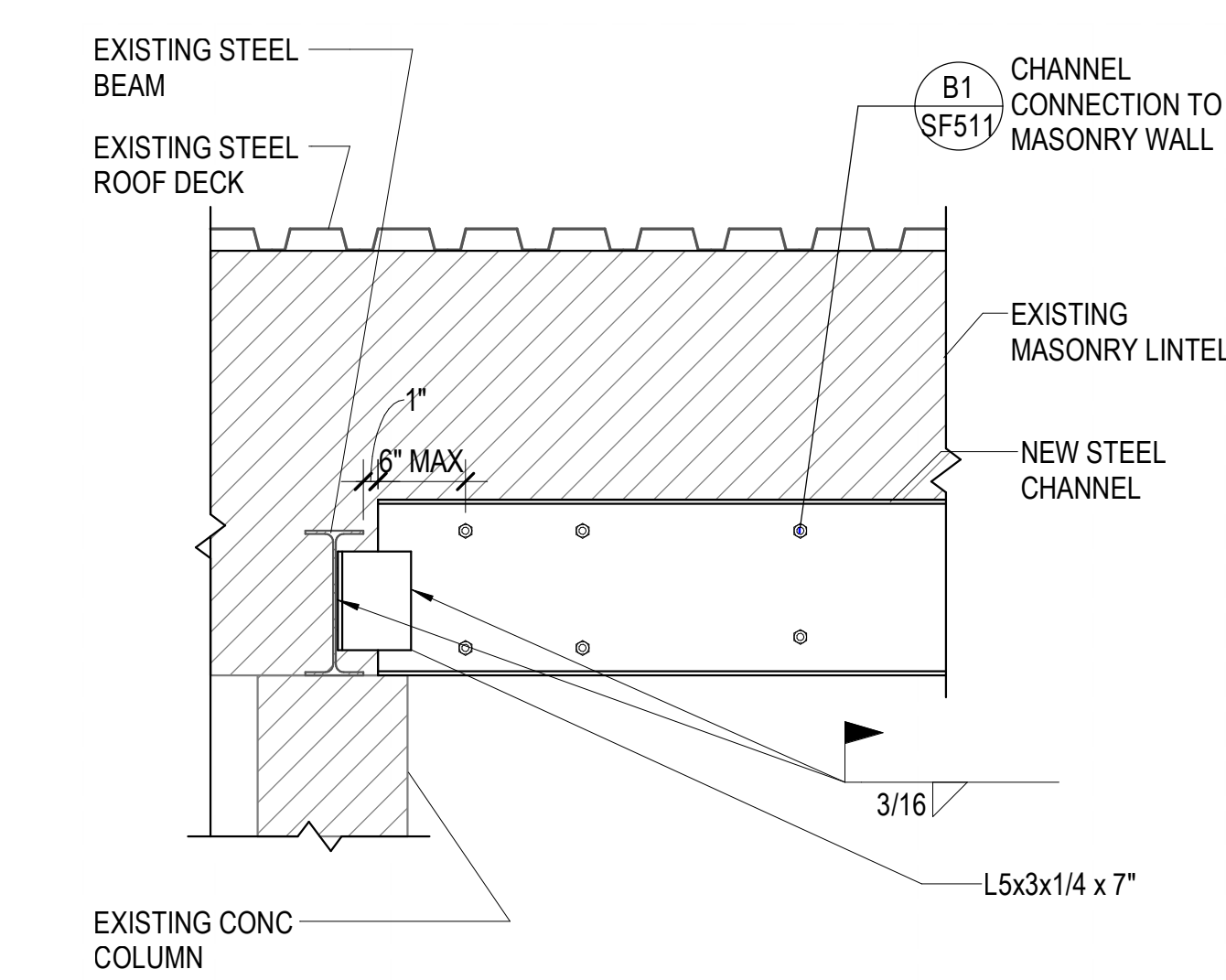
C1 STEEL TUBE HANGER CONNECTION
SF512 NO SCALE



CHANNLES ABOVE NEW OPENINGS AT EXISTING
MASONRY WALL

C2
SF512

NO SCALE



C3 NEW CHANNEL TO EXISTING STEEL BEAM CONNECTION
SF512 NO SCALE

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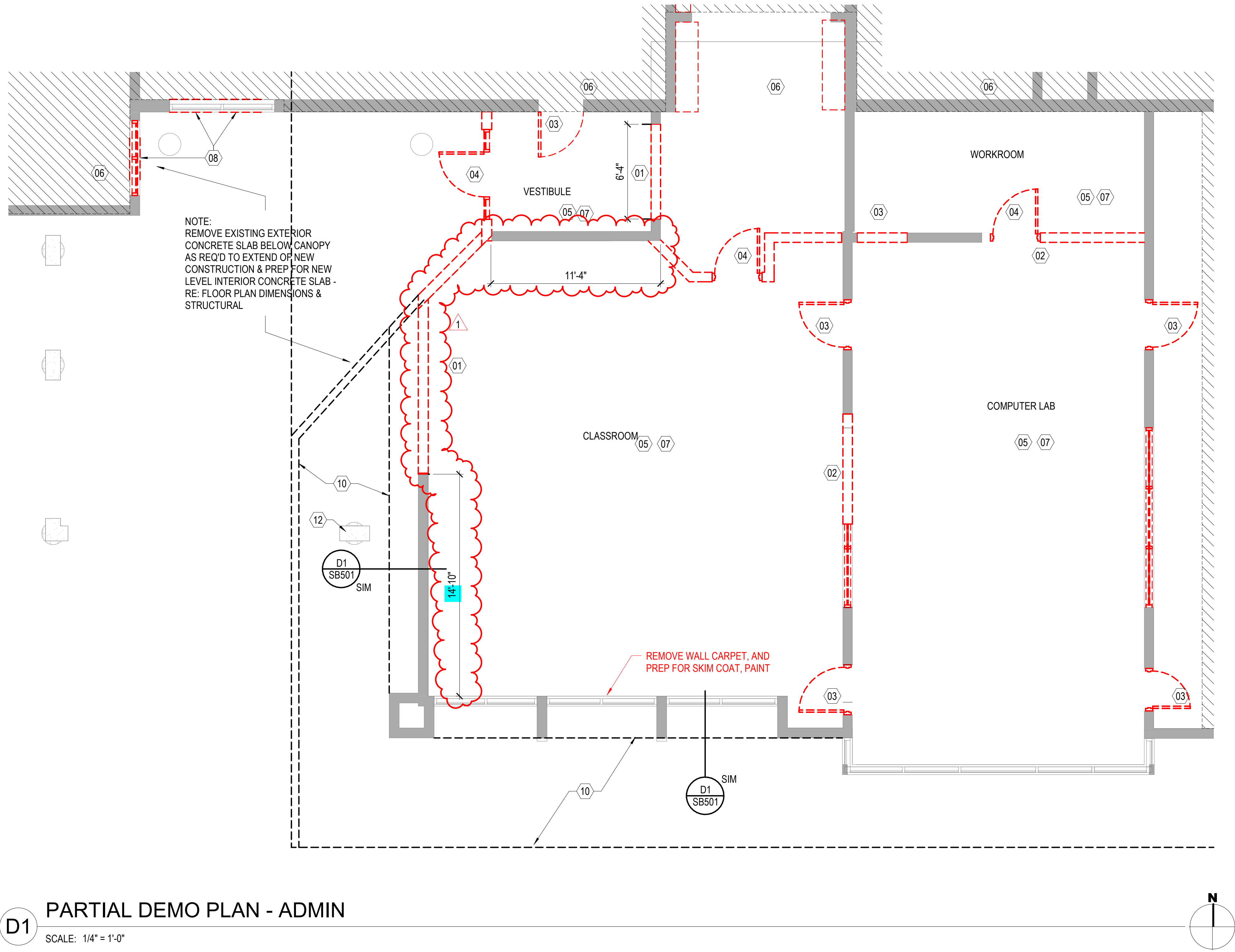
TYPICAL ROOF FRAMING DETAILS

SHEET NUMBER

SF512

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2/2/2028 4:19:09 PM



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 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

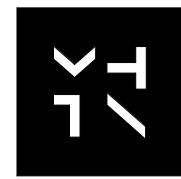
EXISTING TO REMAIN

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 ONLY 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
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- 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.



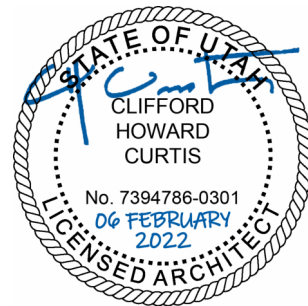
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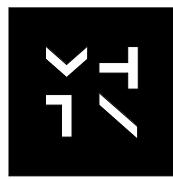
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ADMIN
DEMOLITION
PLAN

SHEET NUMBER

AD100

RETURN TO INDEX



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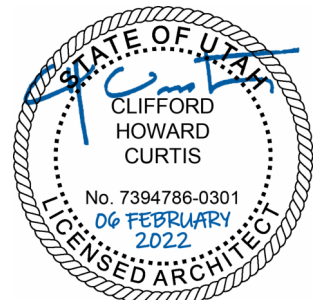
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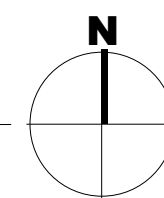
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NO. DATE DESCRIPTION

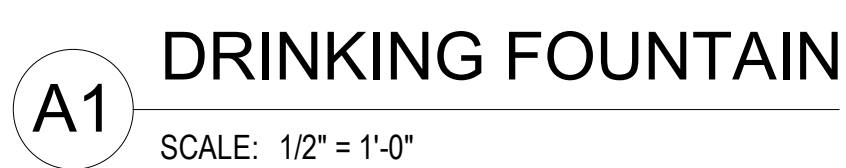
FIRST FLOOR REFERENCE PLAN

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

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



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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 - FURNITURE - NIC

02 NEW STOREFRONT SYSTEM W/ INTRUSION FILM - PRIORITY 1 APPLIED TO GLAZING TO MULLION CLOSEST TO 7' AFF

03 INFILL OPENING W/ SIM MATERIAL, FINISH SMOOTH & PAINT - F.V.

04 RECONFIGURE DUCTING - USE EXISTING HVAC

06 CONSTRUCTION BELOW - NO WORK IN THIS AREA

08 INFILL GRILLE OPENING BEYOND 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.

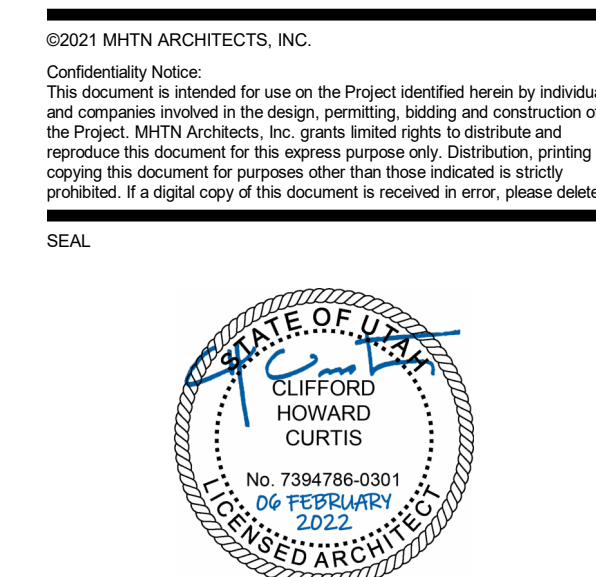
12 4' FT TALL TACK BOARD - F.V. DISTANCE BETWEEN DOOR JAMBS OR TO WALL END

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.



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CONSTRUCTION DOCUMENTS
 MEETINGS

06 FEBRUARY 2026

SHEET NAME

ADMIN PARTIAL

ADMINISTRATIVE FLOOR PLAN

FLOOR PLAN

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SHEET NUMBER

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RETURN TO INDEX

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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.

KEYNOTES - DEMOLITION

- 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 ONLY 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.

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.

PLAN DETAIL

SCALE: 1" = 1'-0"

PLAN DETAIL

SCALE: 1" = 1'-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.

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 PLANS

- 01 ALL NEW LIGHTING, DIFFUSERS, DOORS, FINISHES, FIXTURES & CASEWORK IN AREAS OF NEW CONSTRUCTION - FURNITURE - NIC
- 02 NEW STOREFRONT SYSTEM W/ INTRUSION FILM - PRIORITY 1 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
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- 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
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- 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.

PARTIAL DEMO PLAN - CLASSROOMS - BID ALT. 1

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

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

PARTIAL FLOOR PLAN - CLASSROOMS - BID ALT. 1

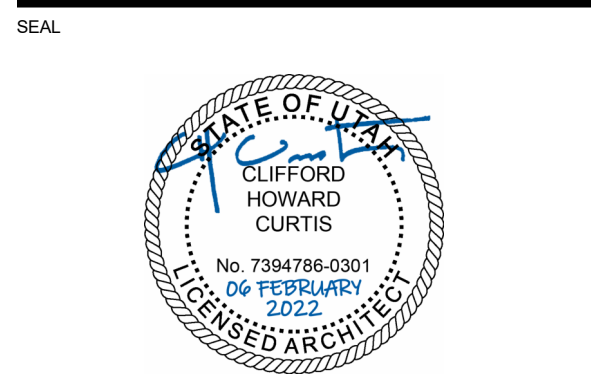
SCALE: 1/8" = 1'-0"

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

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SHEET NAME
CLASSROOM
FLOOR PLAN - BID
ALT 1

SHEET NUMBER

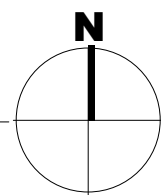
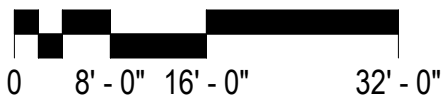
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ROOF PLAN

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



ROOF PLAN GENERAL NOTES

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

RE: G300 for Roof Types.

RE: A340 for Roof Details.

RE: Plumbing drawings for pipe vent quantities and locations. Provide flashing per roof and plumbing details.

Crickets: Provide crickets at roof top mechanical units, roof access hatches and other similar conditions for positive drainage.

Roof Deck Limitations: Do not use the steel roof deck to support loads from plumbing, HVAC ducts, light fixtures, architectural elements or equipment of any kind, UNO. Lightweight suspended acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger the hangers to distribute the load over multiple deck flutes.

Roof Insulation: Provide R-30 minimum, unless noted otherwise.

Walkway Pads: Provide walkway pads as shown, and if not shown, provide pads from all points of roof access (adders, doors, access hatches) to mechanical equipment, roof drains, and all other rooftop equipment. Adjust pathways as required to miss penetrations and rooftop equipment that may not be shown on the roof plan.

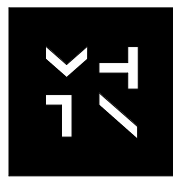
Slope: Provide 1/4" per foot minimum slope across the roof.

Roof Membrane at Parapet Walls: Continue membrane up parapet walls, over the top and down the other side, lapping the wood nailers and the material below them by 1" minimum.

Elevation Datum Points: Datum points are to top of deck unless noted otherwise.

LEGEND - ROOF PLAN

- ROOF TYPE R-1 SINGLE-PLY MEMBRANE - SLOPE 1/4" PER FOOT MINIMUM UNO
- CRICKETS: R-1 ROOF SYSTEM WITH TAPERED INSULATION - MAINTAIN 1/4" PER FOOT SLOPE AT CRICKET VALLEYS
- EXISTING ROOF
- WALKWAY PAD - 30" MINIMUM WIDTH
- PRIMARY AND SECONDARY ROOF DRAINS
- DIRECTION OF SLOPE
- ROOF HATCH
- ROOF TOP EQUIPMENT - SEE MECHANICAL
- EXPANSION JOINT - EXTENDS VERTICALLY THROUGH THE BUILDING FROM SLAB ON GRADE UP THROUGH THE ROOF. CONTRACTOR SHALL PROVIDE EXANSION JOINT COVERS AT ALL LOCATIONS WHERE JOINT IS EXPOSED



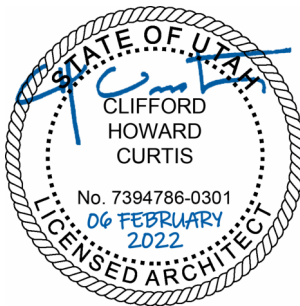
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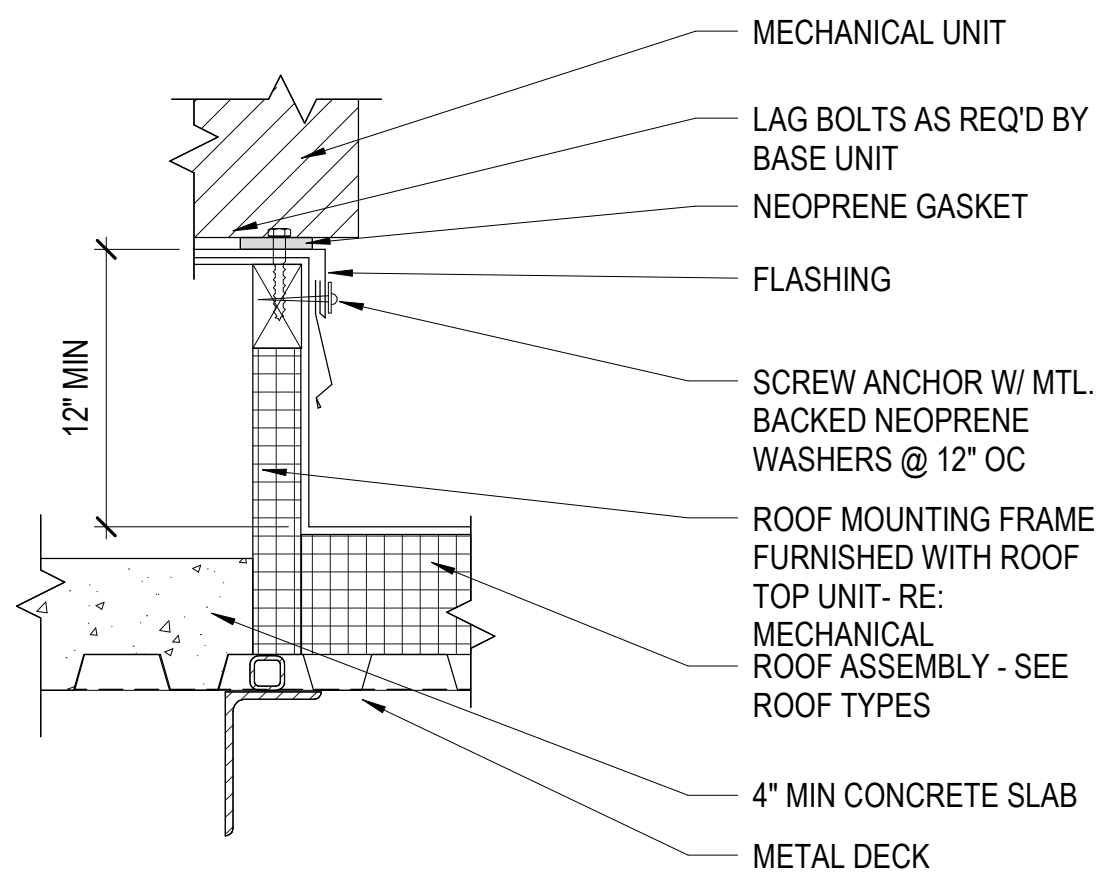
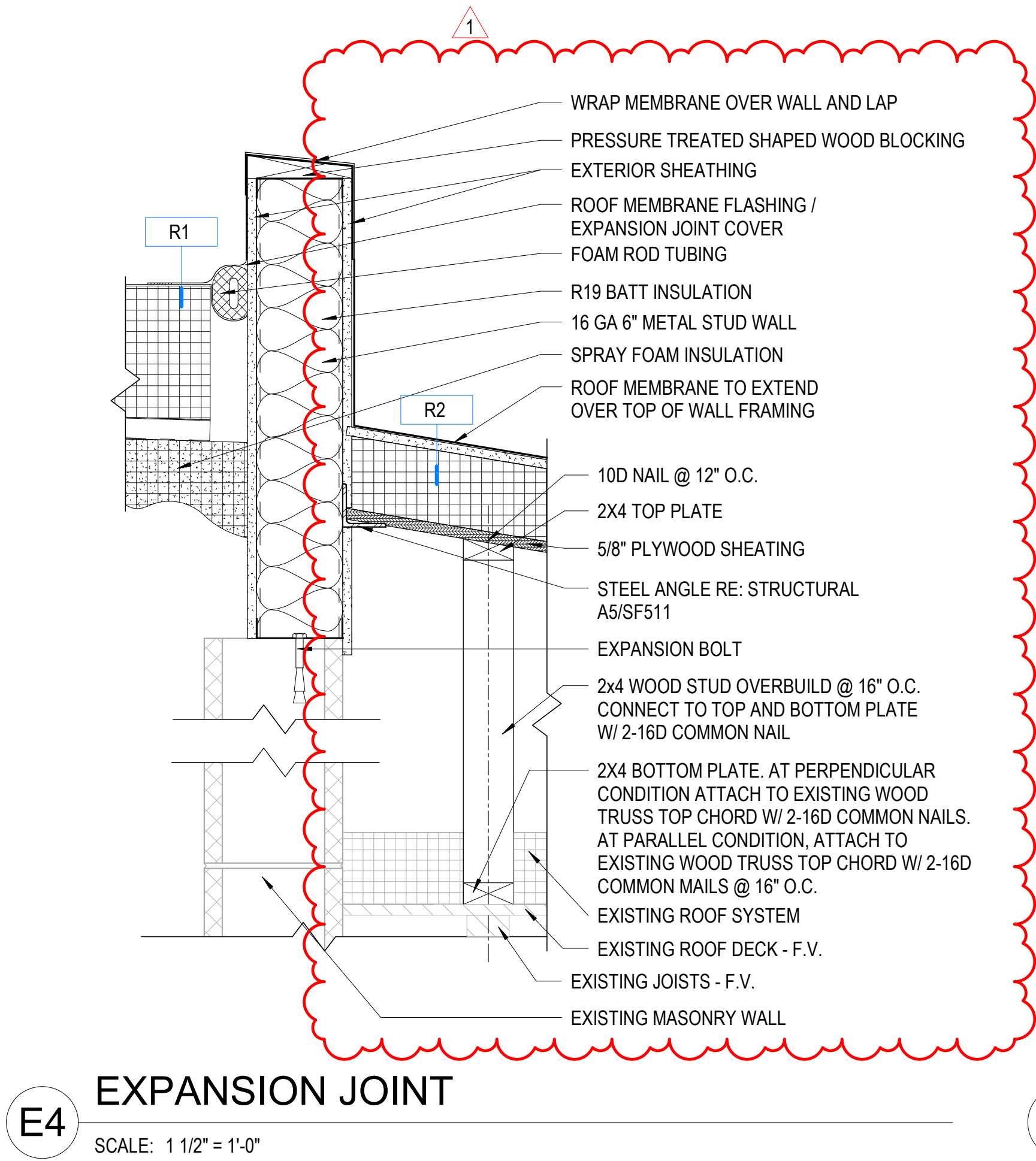
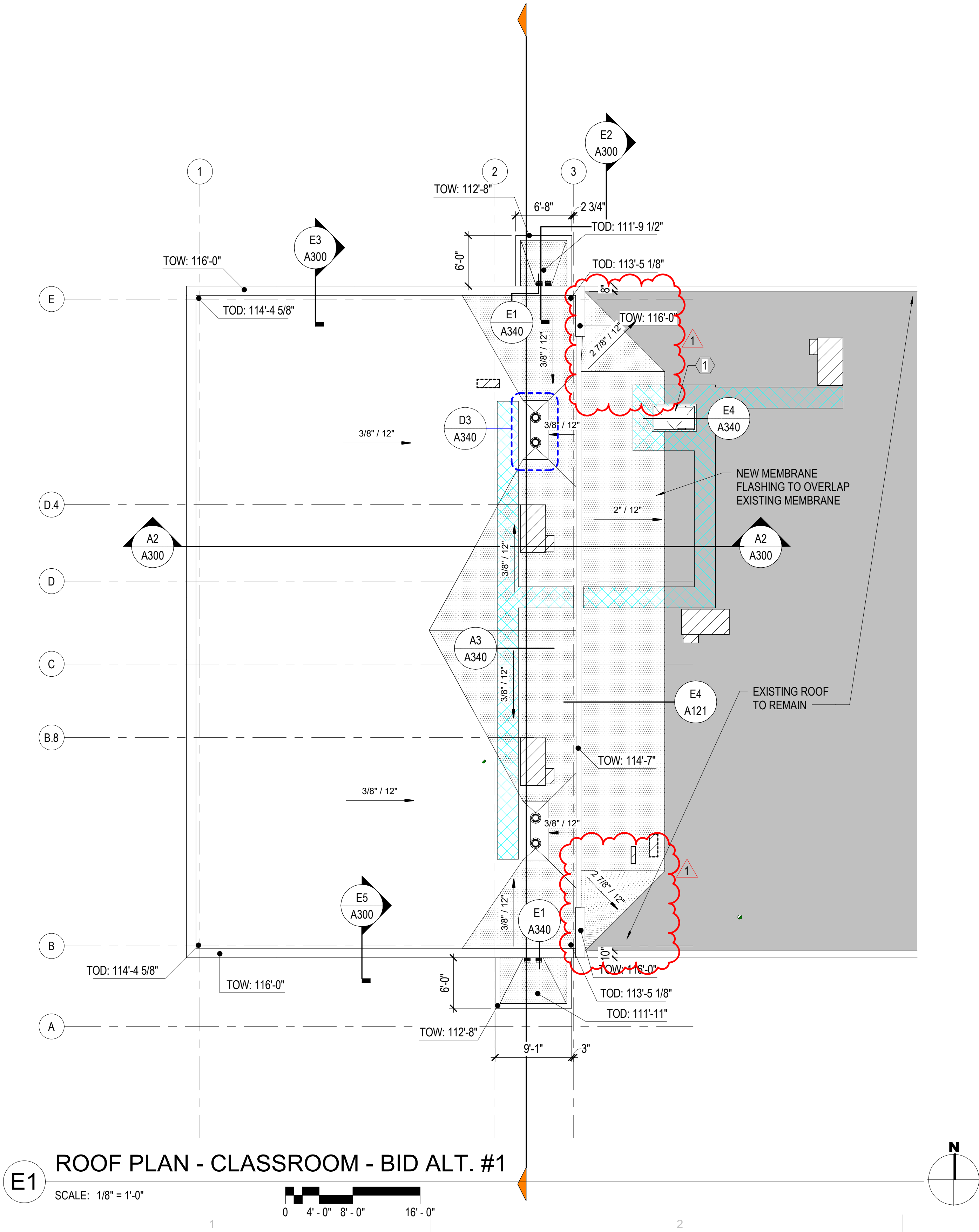
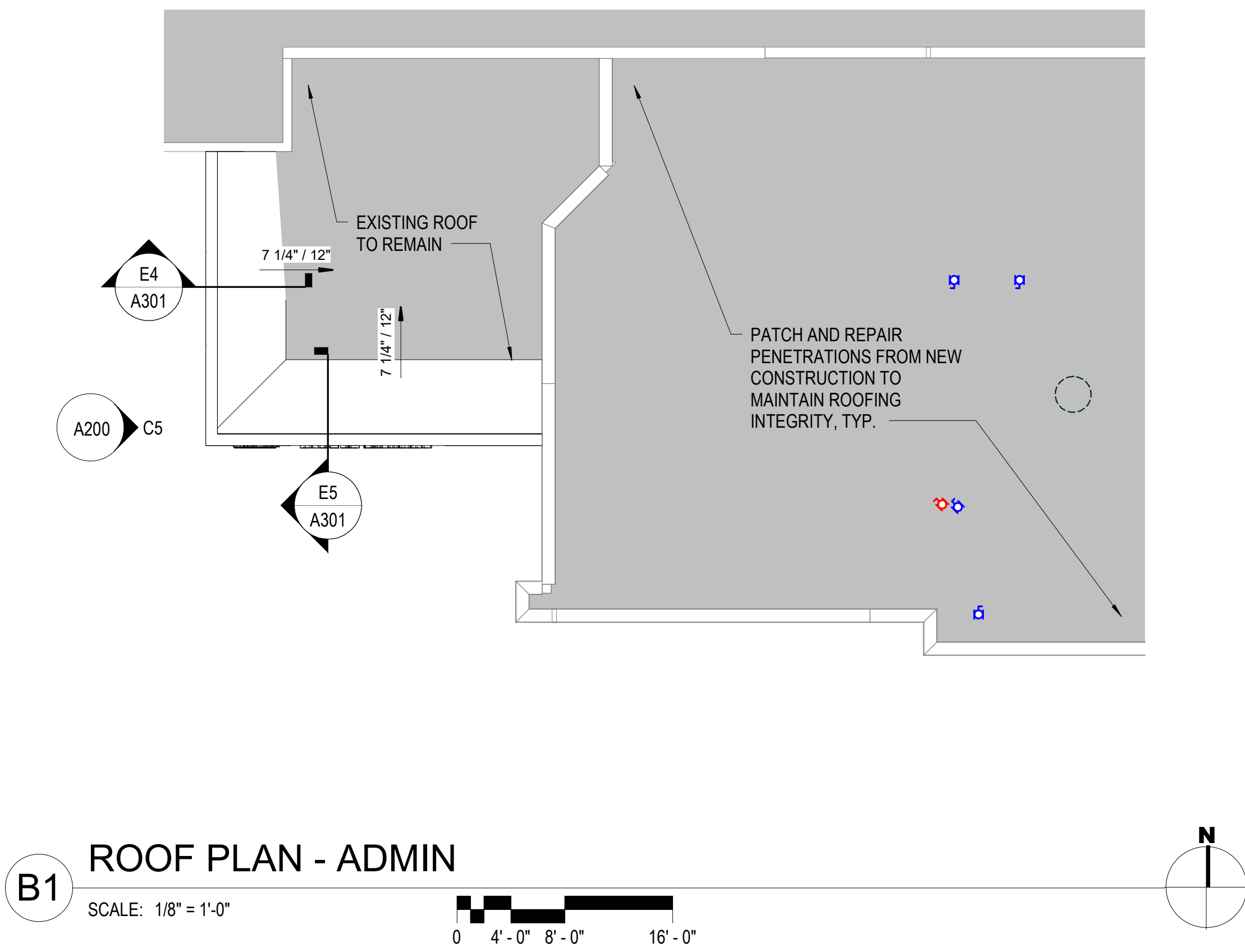
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ROOF PLAN -
OVERALL

SHEET NUMBER

A120

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ROOF PLAN GENERAL NOTES

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

RE: G300 for Roof Types.

RE: A340 for Roof Details.

RE: Plumbing drawings for pipe vent quantities and locations. Provide flashing per roof and plumbing details.

Crickets: Provide crickets at roof top mechanical units, roof access hatches and other similar conditions for positive drainage.

Roof Deck Limitations: Do not use the steel roof deck to support loads from plumbing, HVAC ducts, light fixtures, architectural elements or equipment of any kind, UNO. Lightweight suspended acoustical ceilings with a total weight per wire not exceeding 50 pounds may be hung from the steel roof deck. Stagger the hangers to distribute the load over multiple deck flutes.

Roof Insulation: Provide R-30 minimum, unless noted otherwise.

Walkway Pads: Provide walkway pads as shown, and if not shown, provide pads from all points of roof access (ladders, doors, access hatches) to mechanical equipment, roof drains, and all other rooftop equipment. Adjust pathways as required to miss penetrations and rooftop equipment that may not be shown on the roof plan.

Slope: Provide 1/4" per foot minimum slope across the roof.

Roof Membrane at Parapet Walls: Continue membrane up parapet walls, over the top and down the other side, lapping the wood walers and the material below them by 1" minimum.

Elevation Datum Points: Datum points are to top of deck unless noted otherwise.

ROOF DETAIL GENERAL NOTES

Terms such as "SEE SPECS," "RE: MECHANICAL" and so forth have been omitted from these details. All details require the general contractor and sub-contractors to refer to other drawings and specifications as required to understand and provide the items indicated and to provide supporting items that may or may not be shown.

The continuous nature of the materials shown in the details is inferred, though the word "continuous" may be omitted from the detail notes.

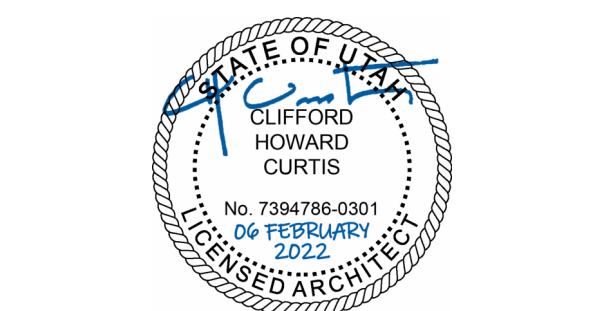
Cleats: Unless specifically noted otherwise, provide continuous cleats.

Backer Rods: Provide backer rods at all joints that incorporate sealants.

LEGEND - ROOF PLAN

- ROOF TYPE R-1 SINGLE-PLY MEMBRANE - SLOPE 1/4" PER FOOT MINIMUM UNO
- CRICKETS: R-1 ROOF SYSTEM WITH TAPERED INSULATION - MAINTAIN 1/4" PER FOOT SLOPE AT CRICKET VALLEYS
- EXISTING ROOF
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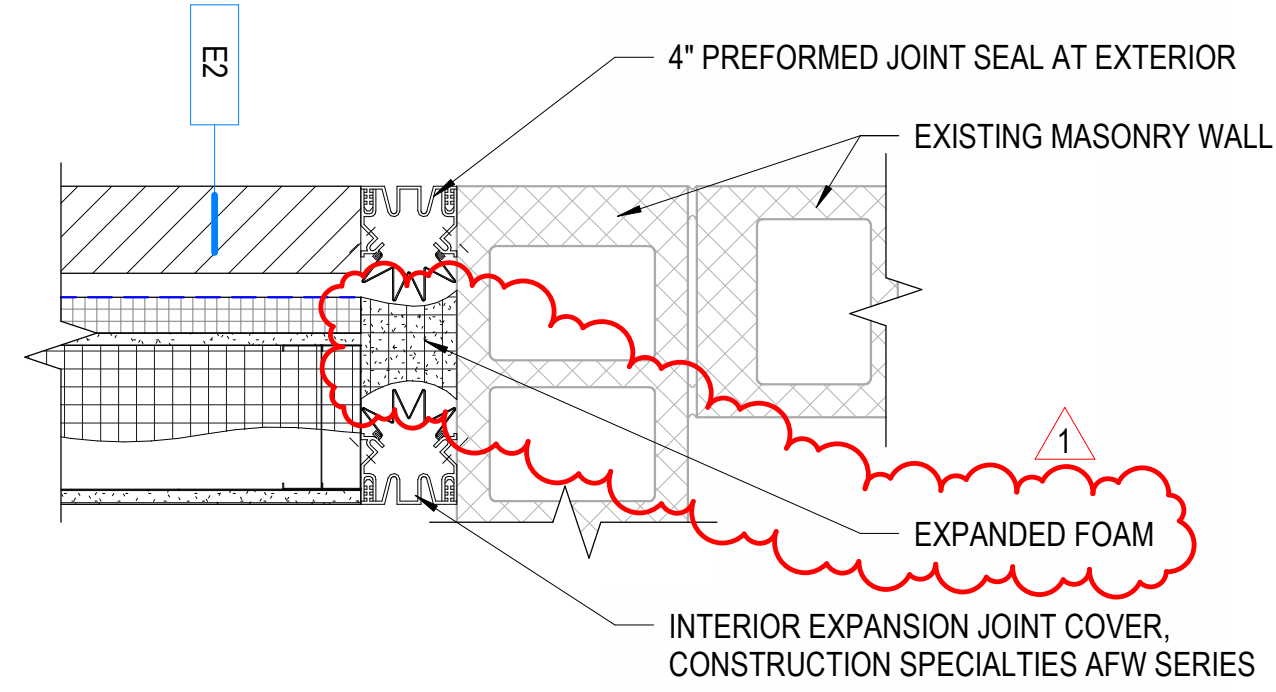
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PARTIAL ROOF
PLAN & DETAILS

SHEET NUMBER

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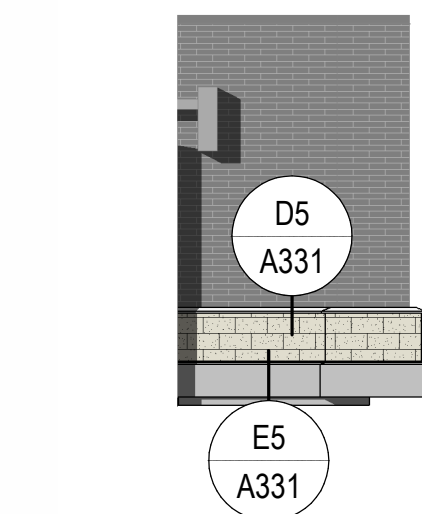
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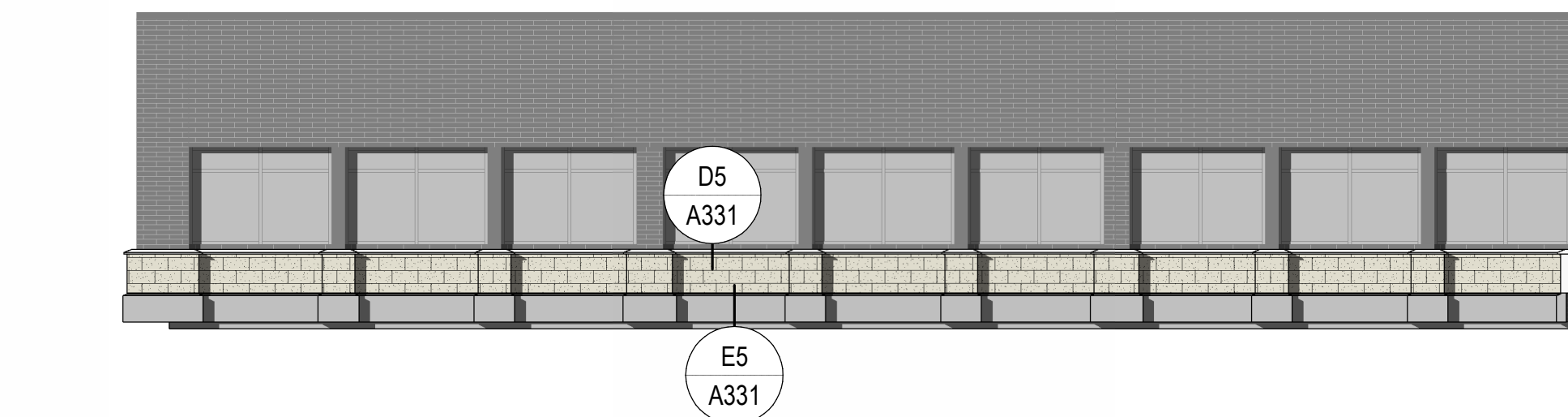
A1 EX-JOINT - EXTERIOR

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



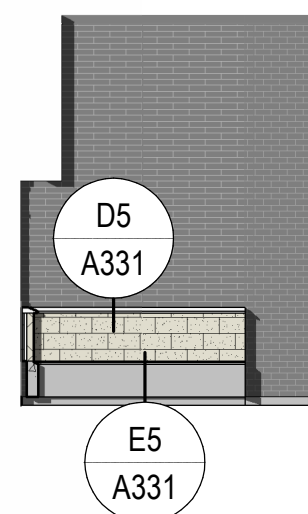
C1 ELEVATION - WAINSCOT

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



C2 SOUTH-EAST ELEVATION - WAINSCOT

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



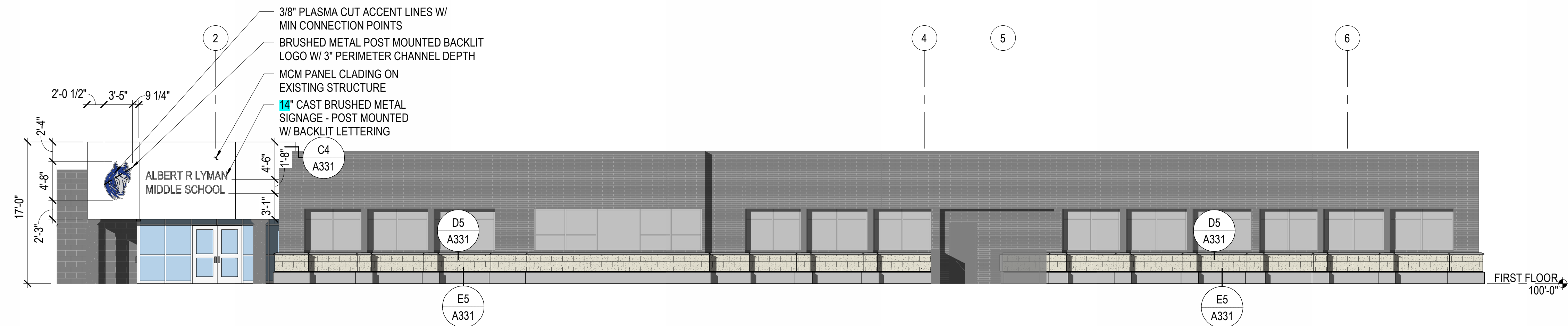
C3 ELEVATION - WAINSCOT

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



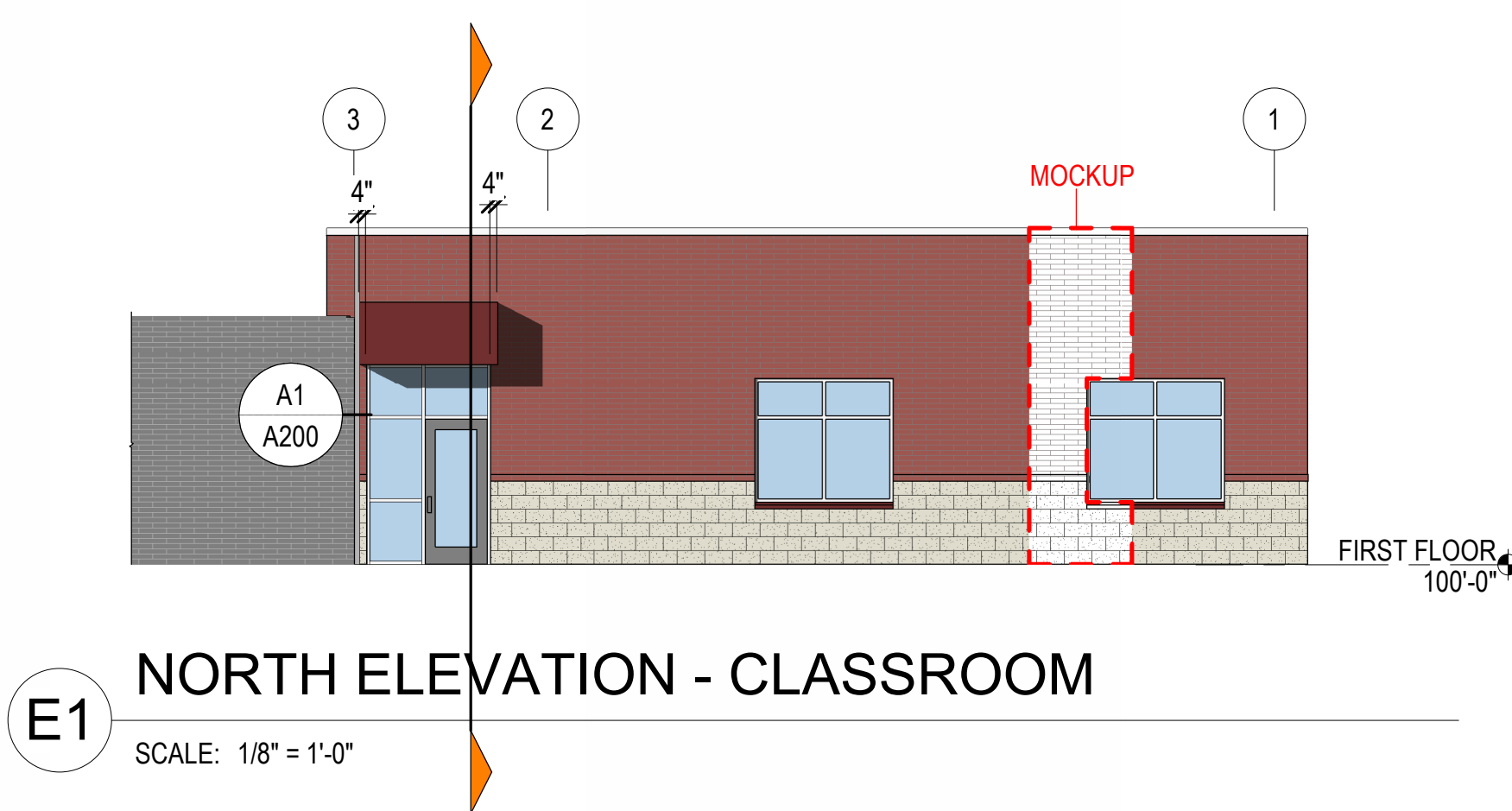
C5 WEST ELEVATION - ADMIN

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



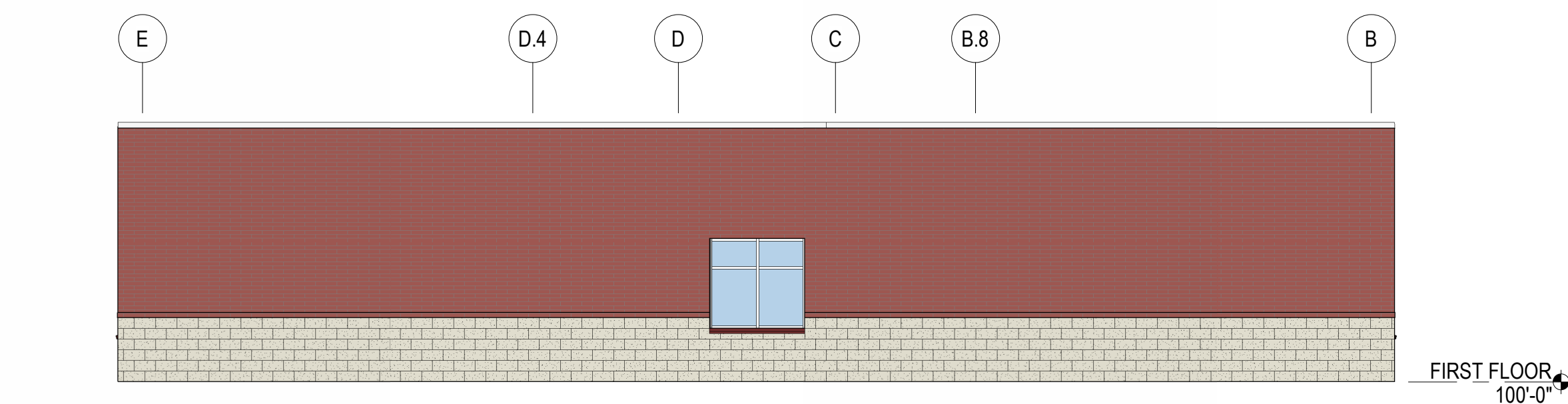
D1 SOUTH ELEVATION - ADMIN

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



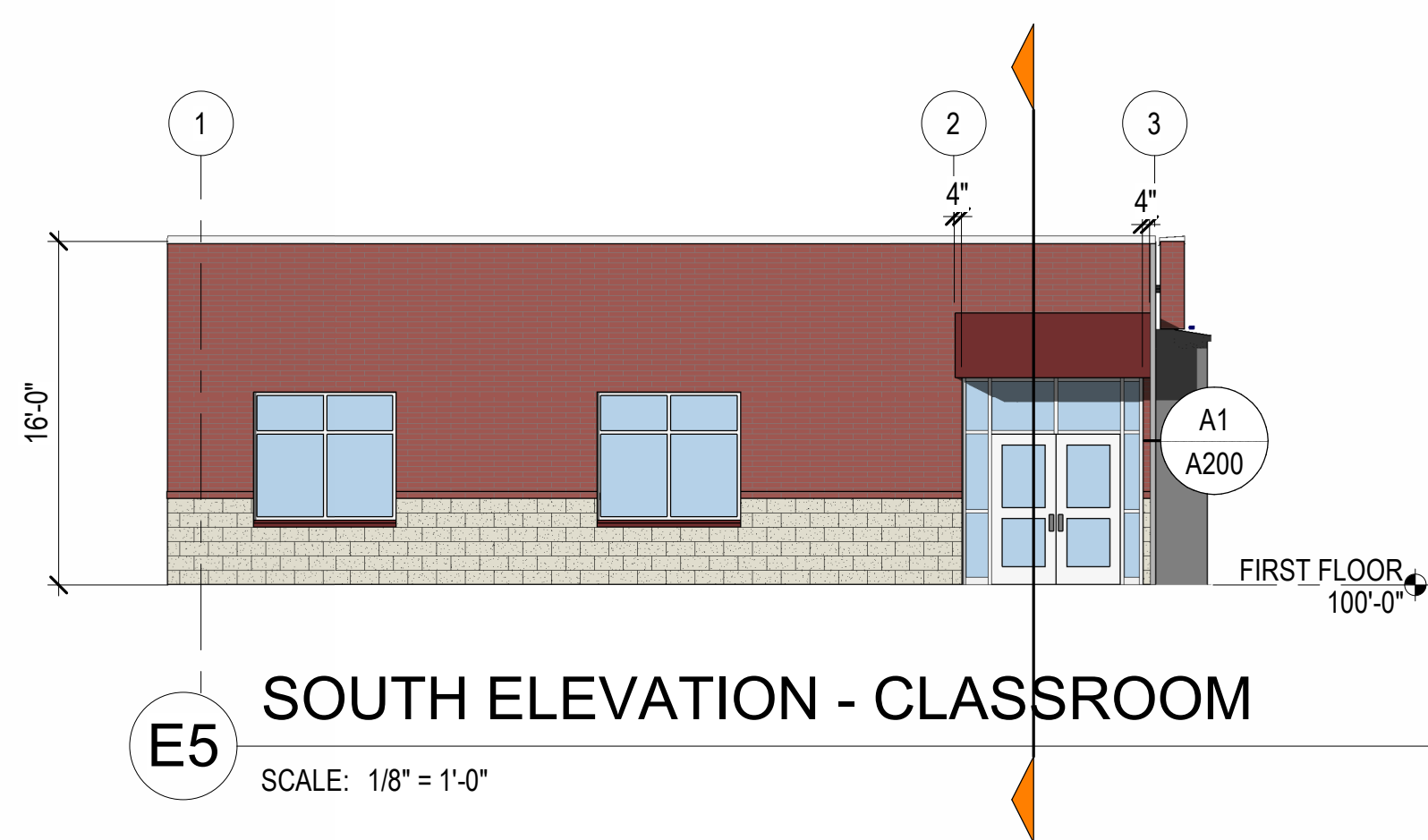
E1 NORTH ELEVATION - CLASSROOM

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



E3 WEST ELEVATION - CLASSROOM

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



E5 SOUTH ELEVATION - CLASSROOM

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

EXTERIOR ELEVATIONS GENERAL NOTES

Exterior Finishes: Provide exterior finishes, continuous until a transition is indicated. Provide on all similar elements, and on surfaces not shown in elevation such as back sides of piers, columns and other surfaces that may not be visible in the elevation view.

Lighting: Coordinate wall and soffit mounted lighting locations with Electrical drawings and with the Architect prior to rough-in.

LEGEND - EXTERIOR ELEVATION

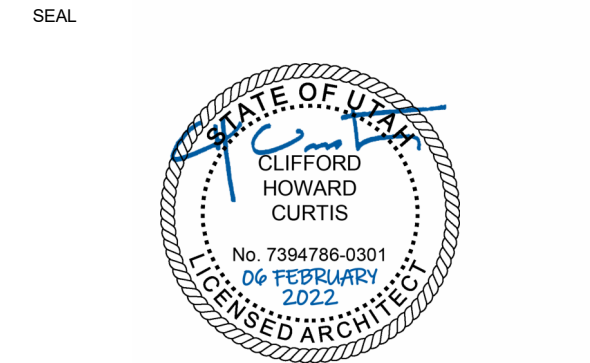
- EMPEROR BRICK - MATCH EXISTING
- CMU VENEER
- MCM PANEL

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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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VIEW AND PRINT THIS DRAWING IN COLOR

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NO. DATE DESCRIPTION

1 Date 1 Addendum #1

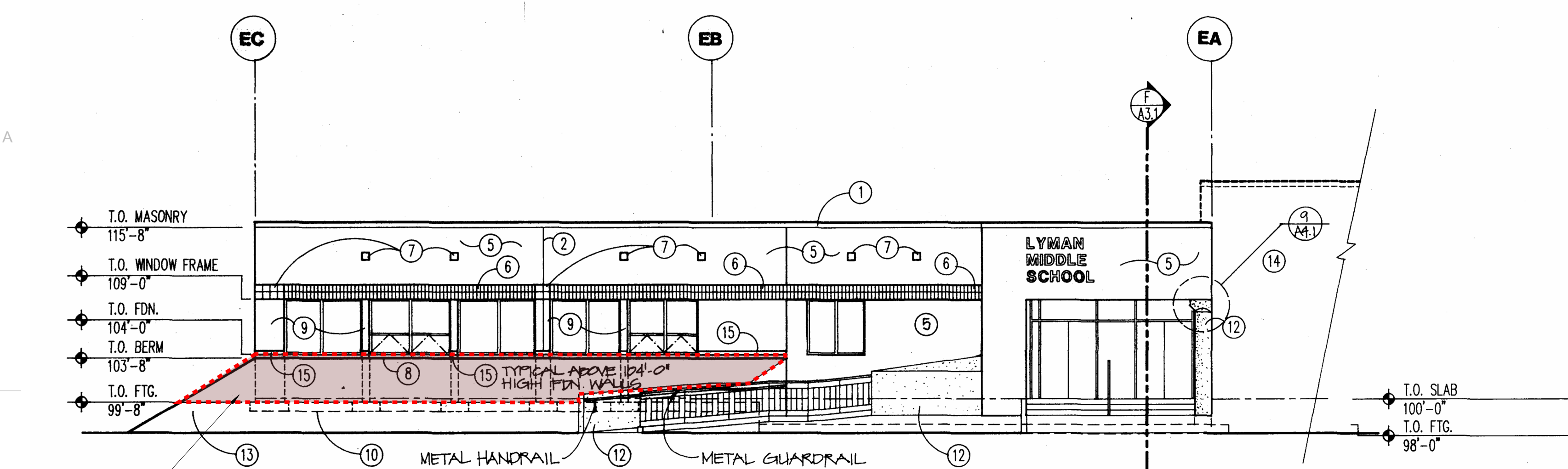
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CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
EXTERIOR ELEVATIONS

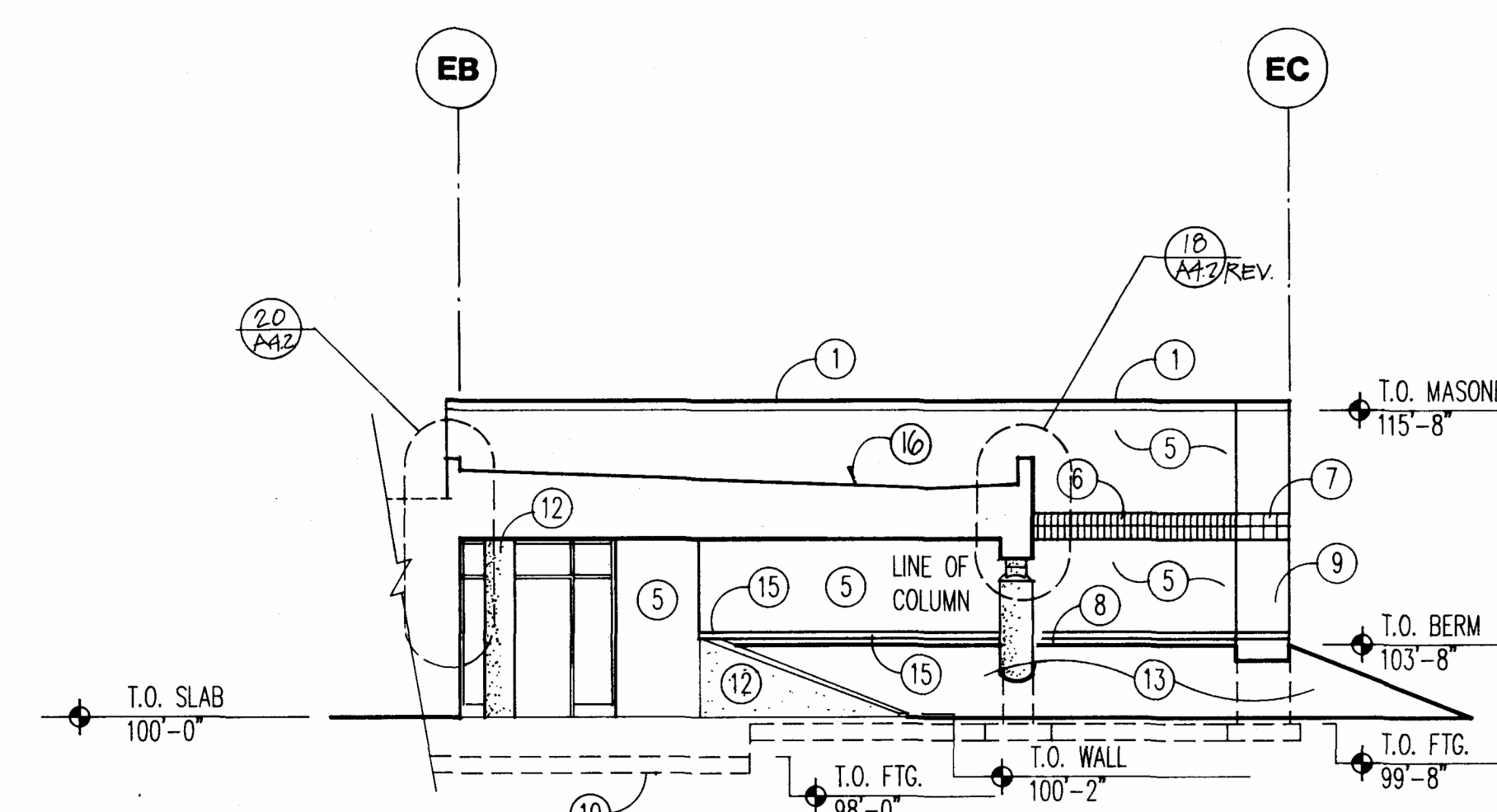
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A200

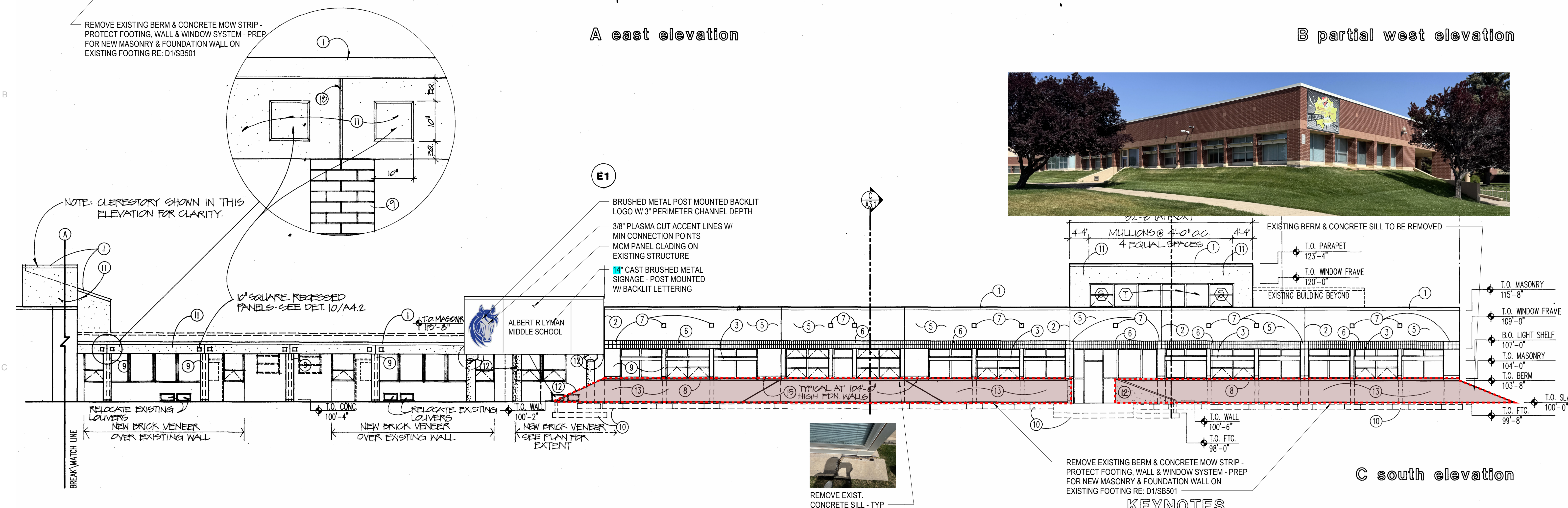
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A east elevation



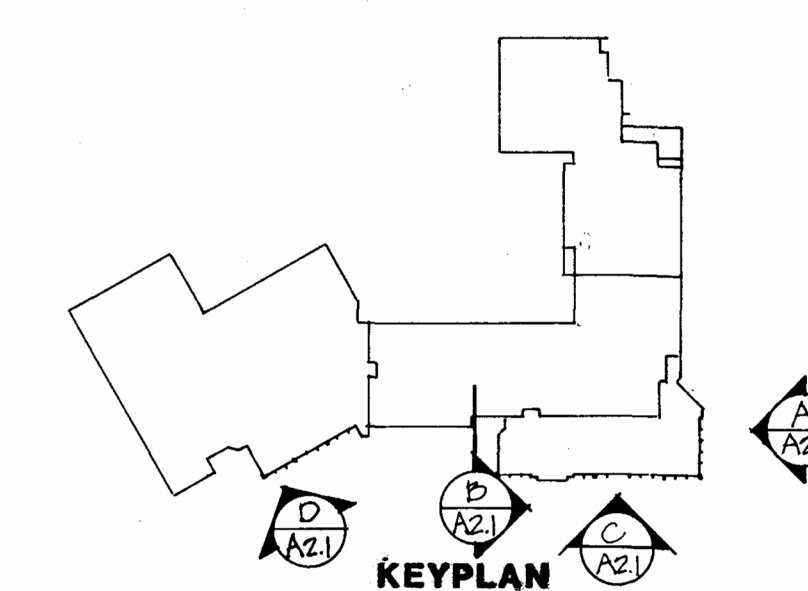
B partial west elevation



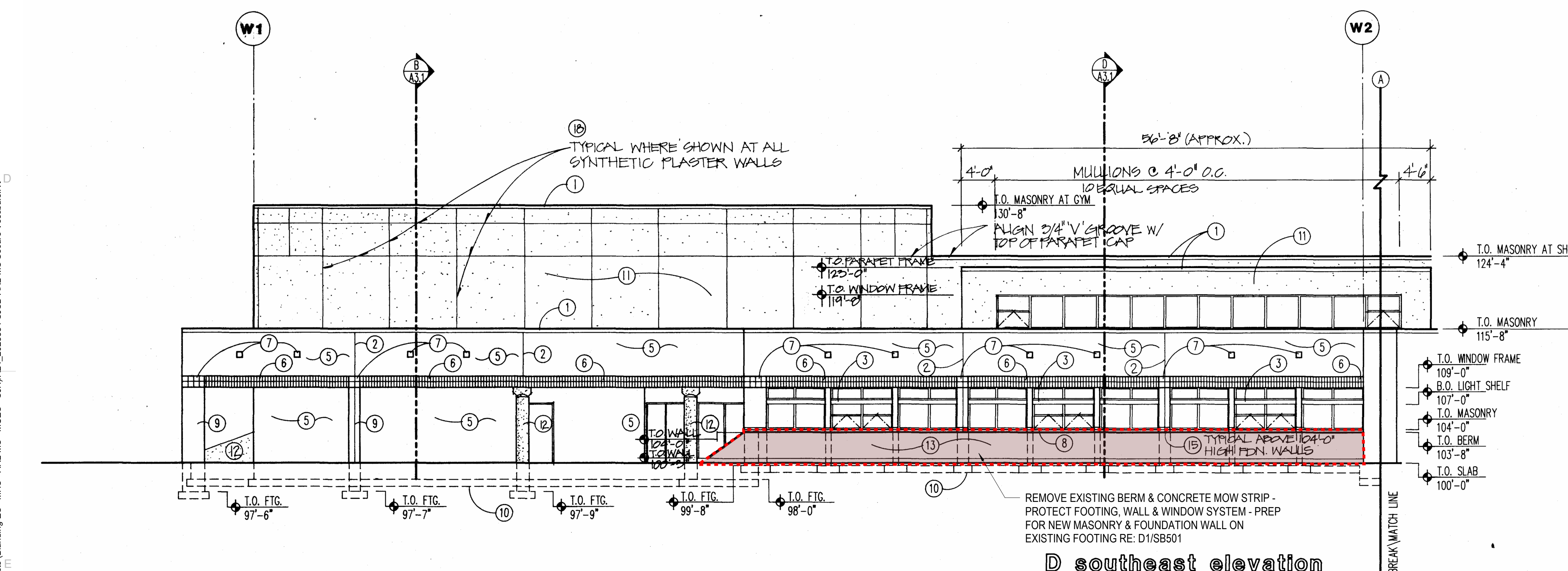
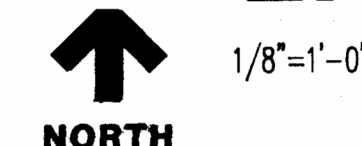
C south elevation

KEYNOTES

- (1) METAL CAP FLASHING
- (2) COLD JOINT
- (3) LIGHT SHELF, SEE DETAILS 26/A4.1, 26a/A4.1, 26b/A4.1
- (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 COURSING
- (16) LINE OF CANOPY
- (17) FLASHING TO MATCH PARAPET CAP
- (18) 34" V-CAROVE



EXTERIOR ELEVATIONS



D southeast elevation

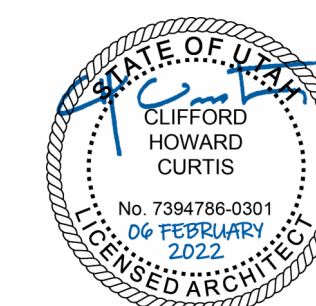
1 NEW FASCIA
2 GUTTER SYSTEM



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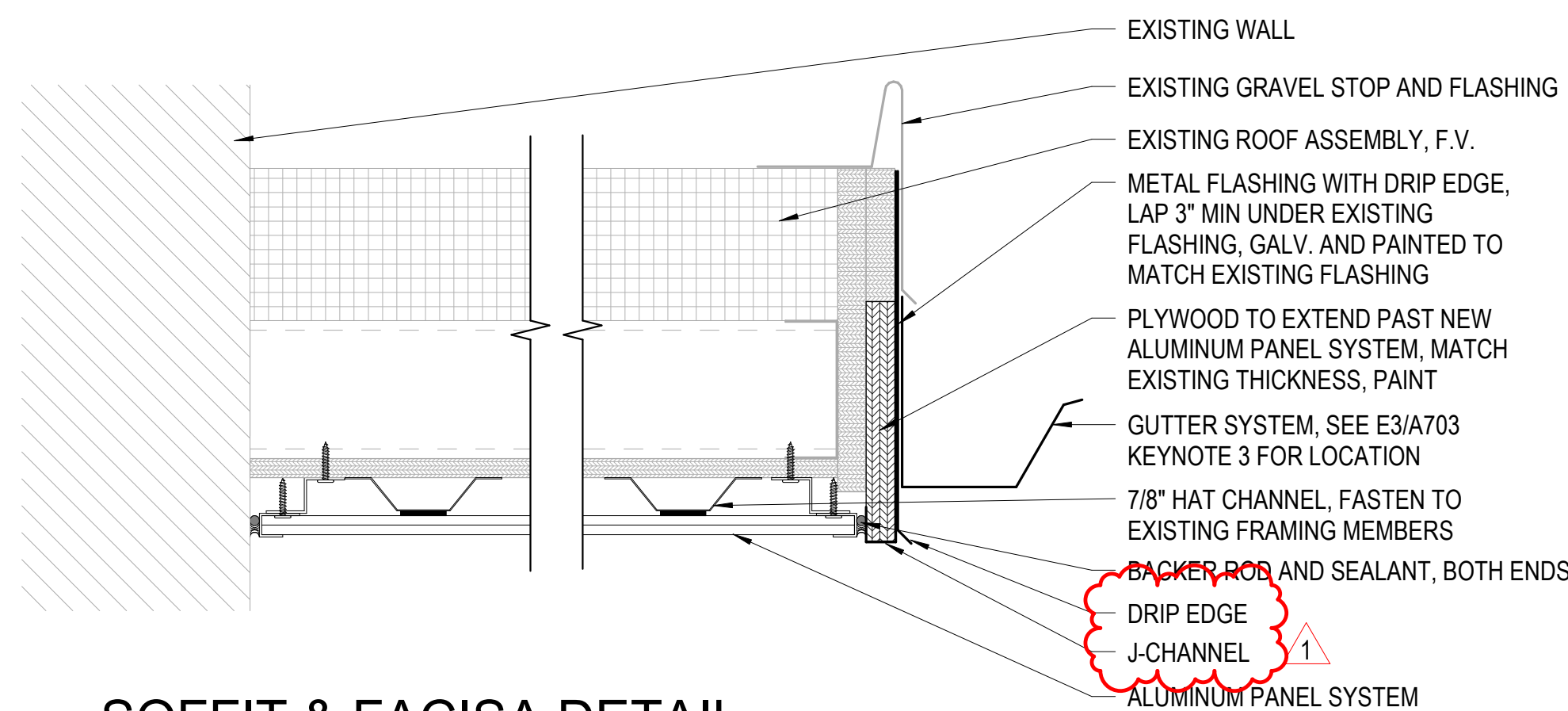
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EXISTING
REFERENCE
ELEVATIONS

SHEET NUMBER

A202

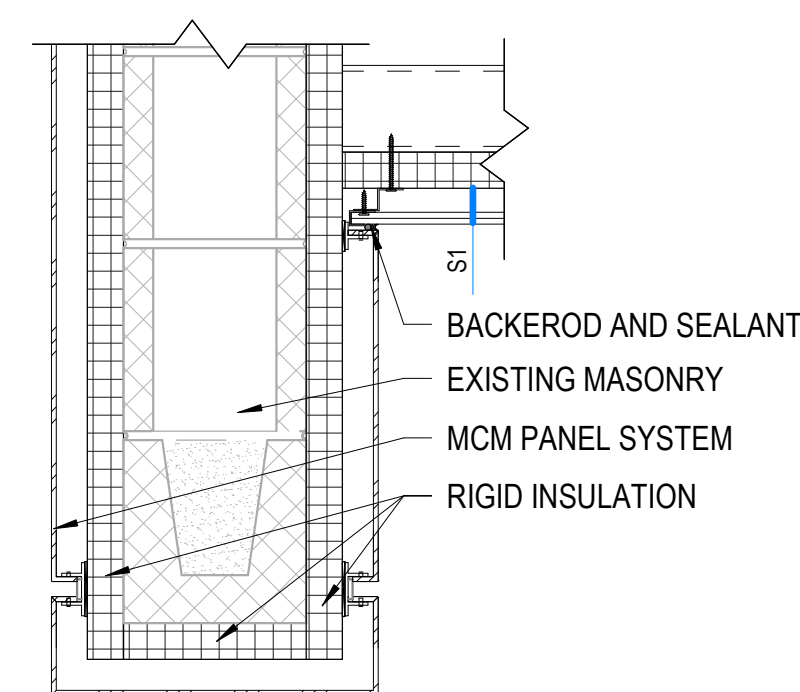
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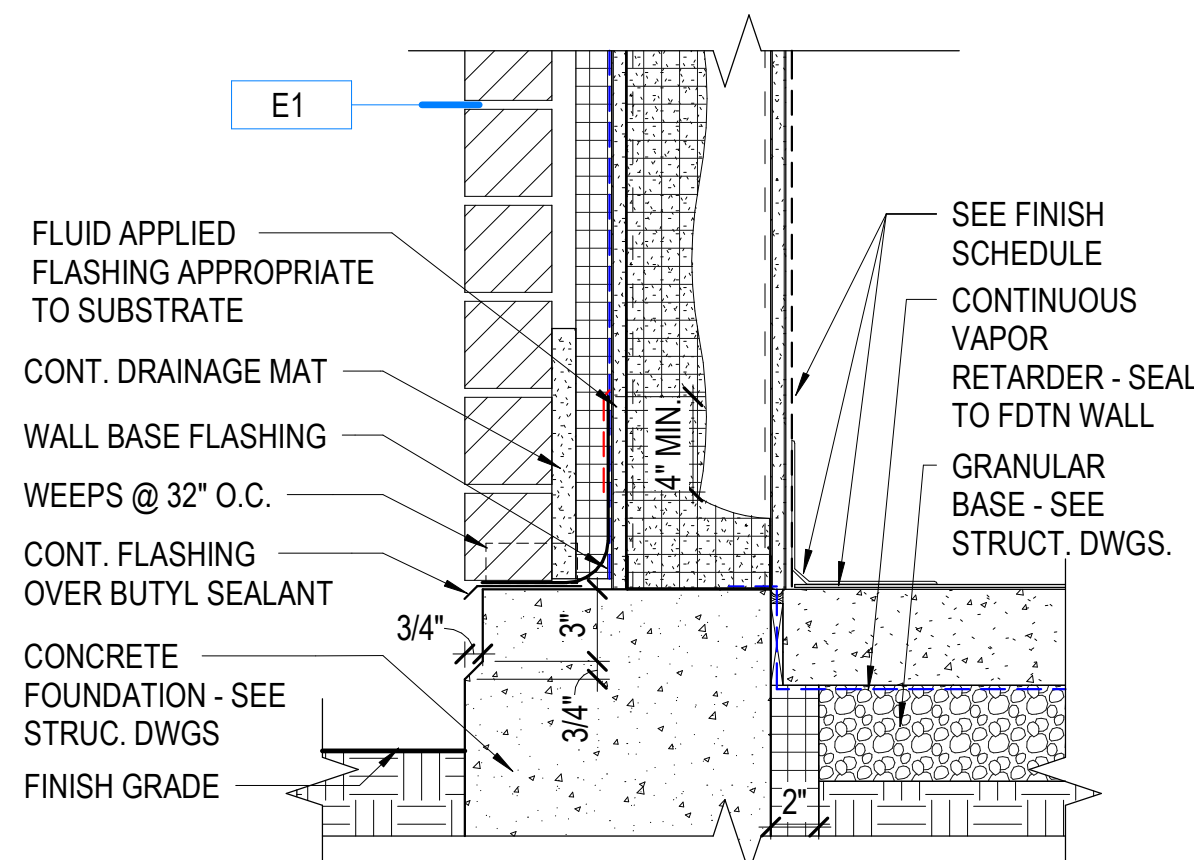
E2 SOFFIT & FACISA DETAIL

SCALE: 3" = 1'-0"



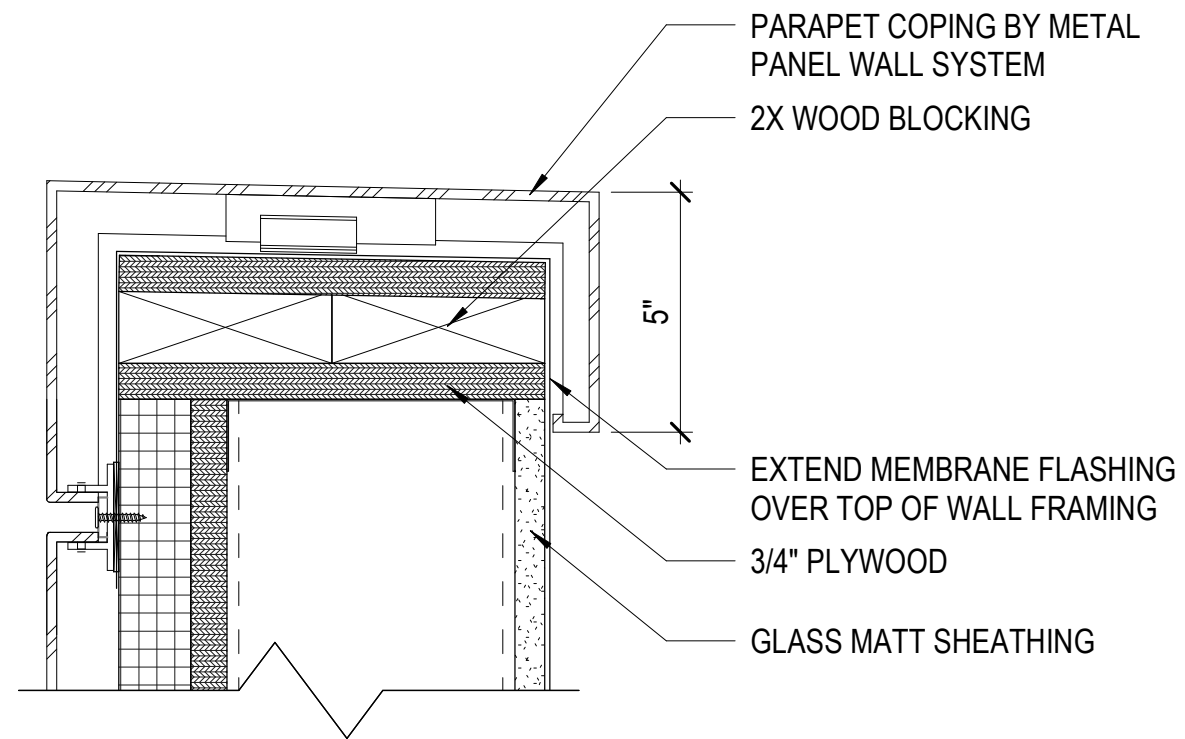
D4 WALL TO SOFFIT DETAIL

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



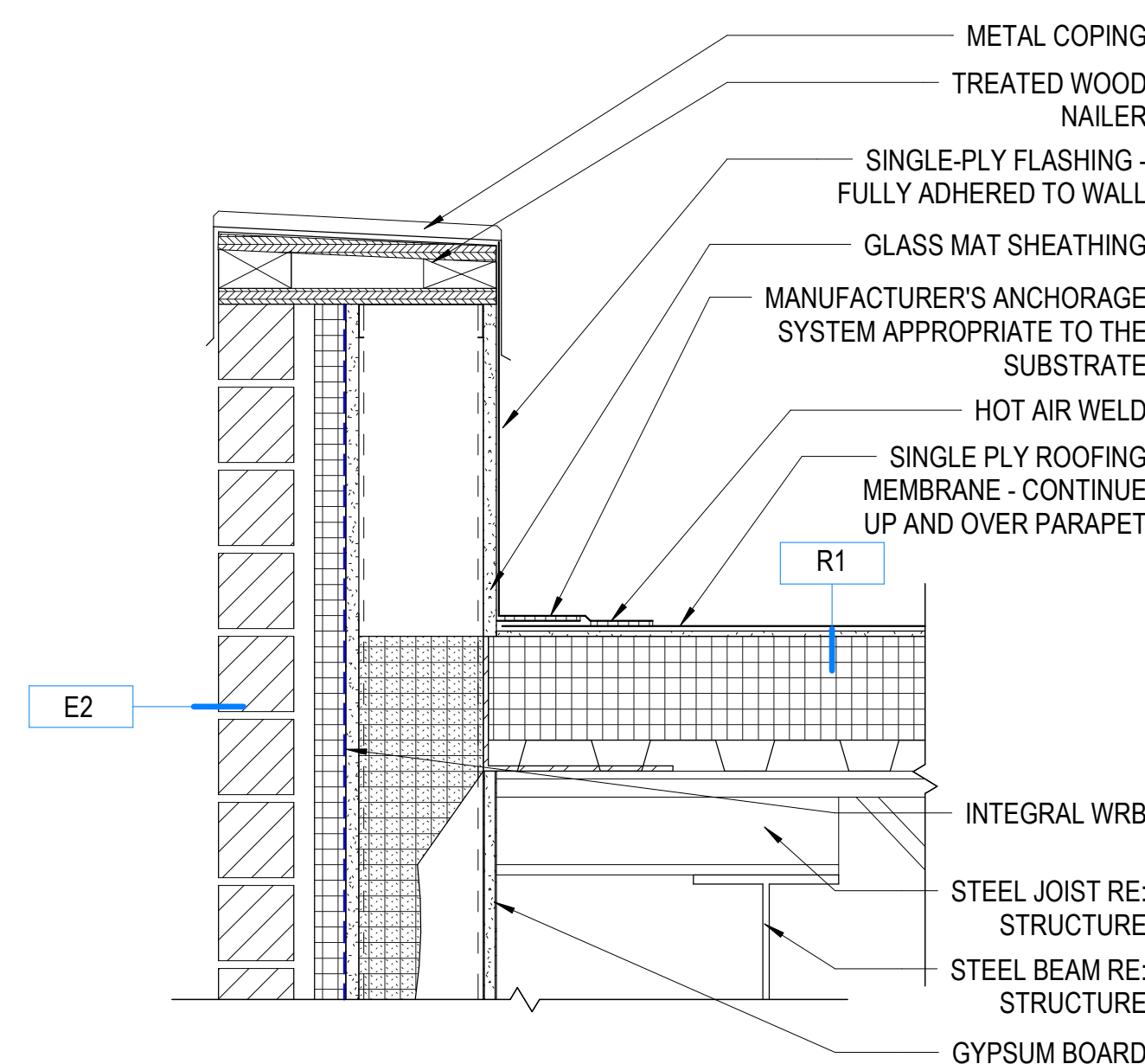
E4 BASE OF WALL DETAIL

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



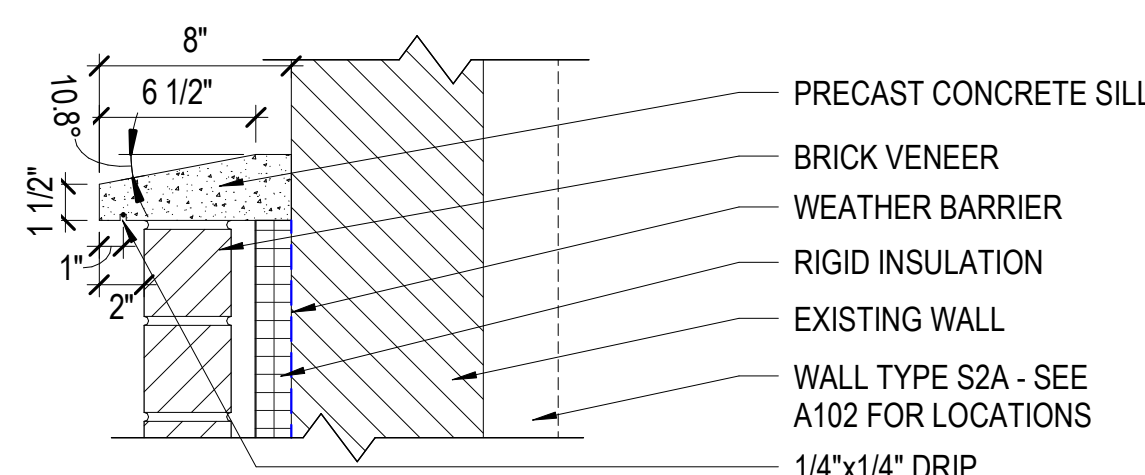
A5 PARAPET DETAIL

SCALE: 3" = 1'-0"



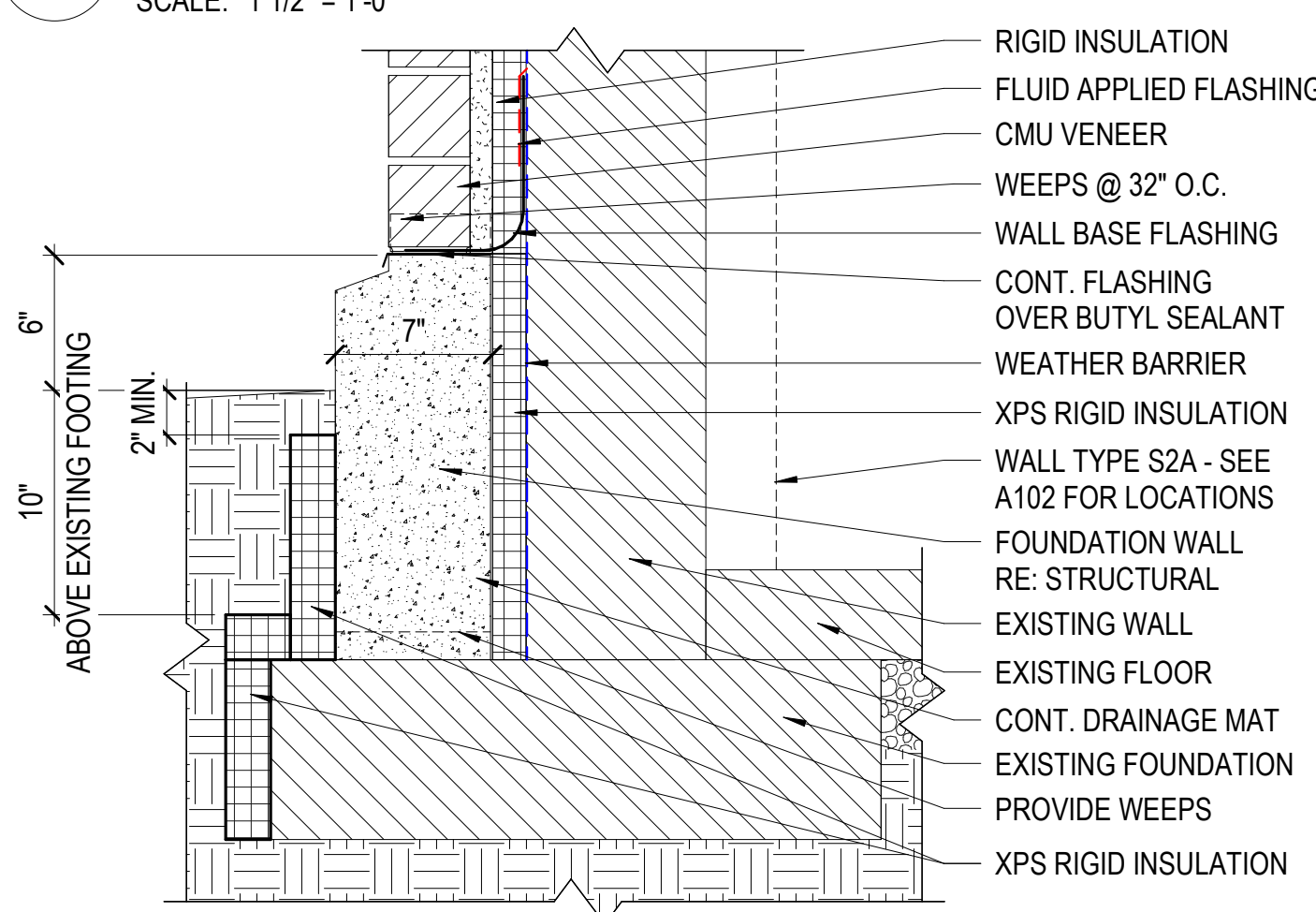
C5 PARAPET DETAIL

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



D5 PRECAST SILL

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



E5 BASE OF WALL DETAIL

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

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CONSTRUCTION DOCUMENTS
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SHEET NAME
ENVELOPE
DETAILS

SHEET NUMBER

A331

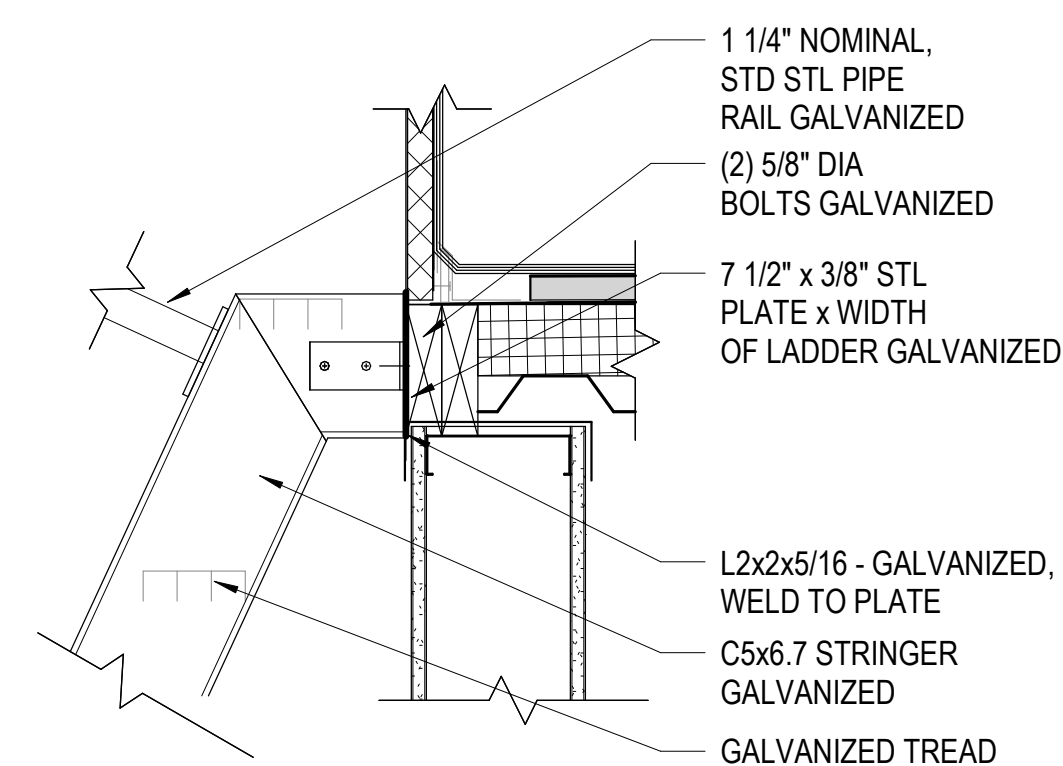
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NOT FOR CONSTRUCTION

C1 PIPE PENETRATION DETAIL

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

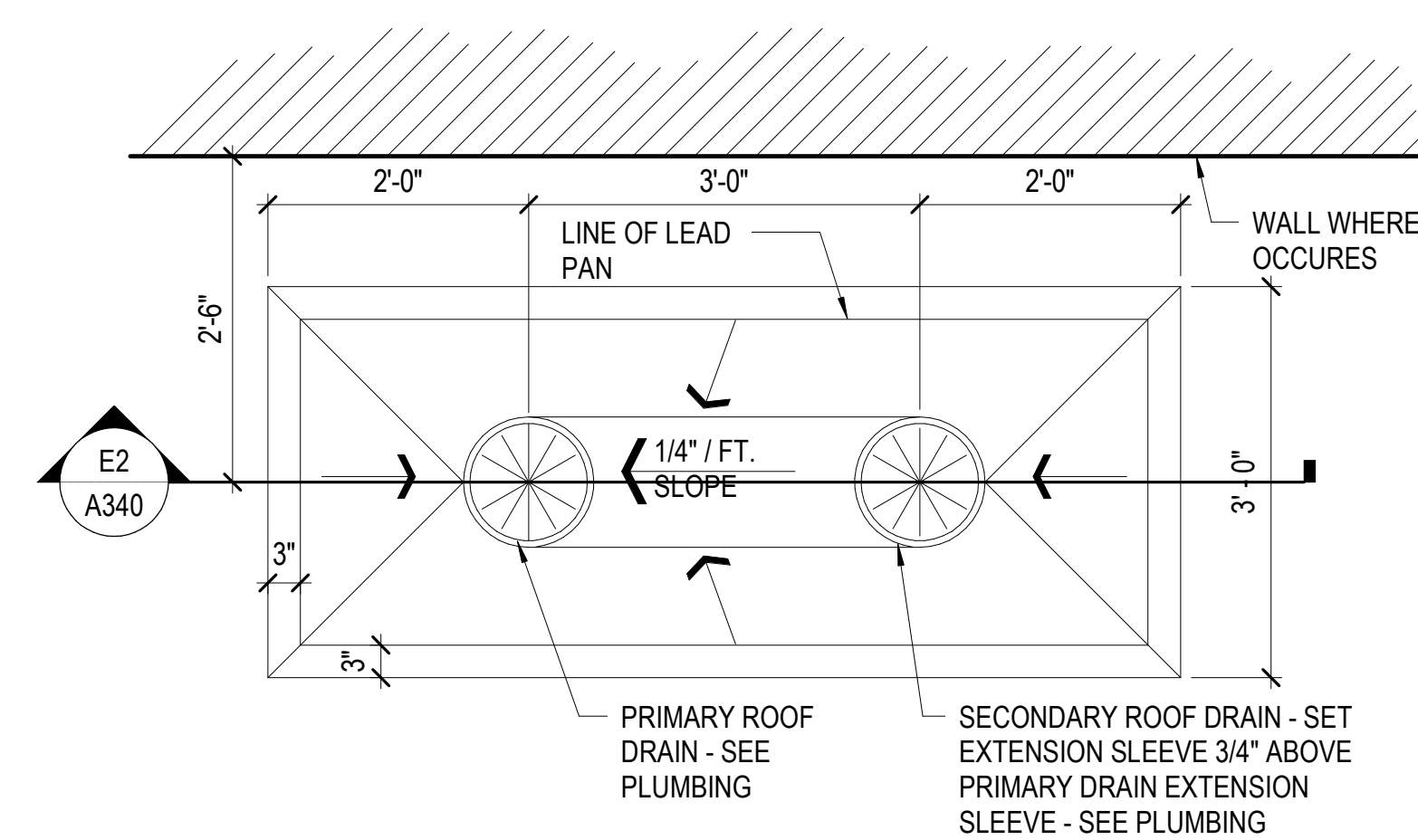


A3 ROOF WALKWAY DETAIL
SCALE: 1 1/2" = 1'-0"

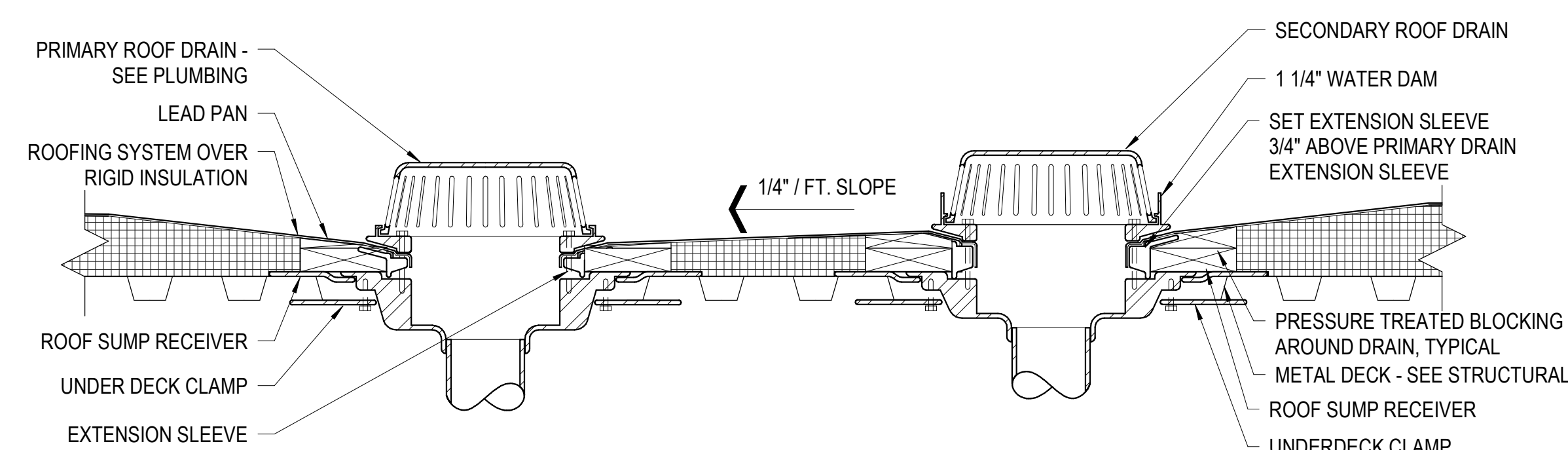


C3 ROOF CURB DETAIL
SCALE: 1 1/2" = 1'-0"

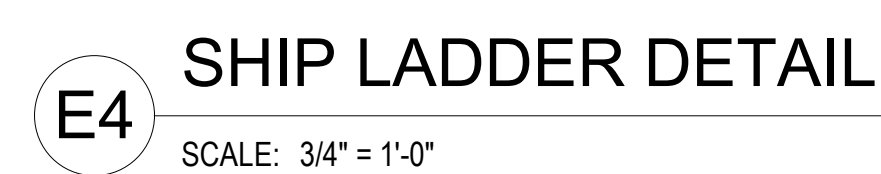
C4 SHIP LADDER DETAIL
SCALE: 1 1/2" = 1'-0"



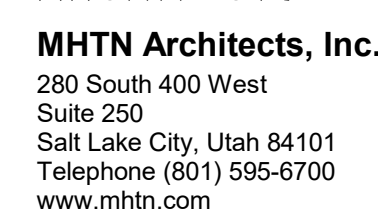
D3 ROOF DRAIN PLAN
SCALE: 3/4" = 1'-0"



E2 ROOF DRAIN DOUBLE
SCALE: 1 1/2" = 1'-0"



Backer Rods: Provide backer rods at all joints that incorporate sealants.

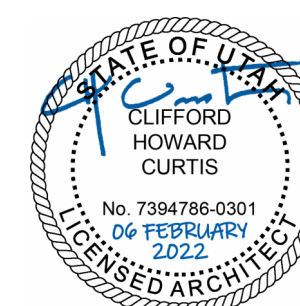


SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

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SHEET NAME

ROOF DETAILS

REFERENCES

SHEET NUMBER

1010

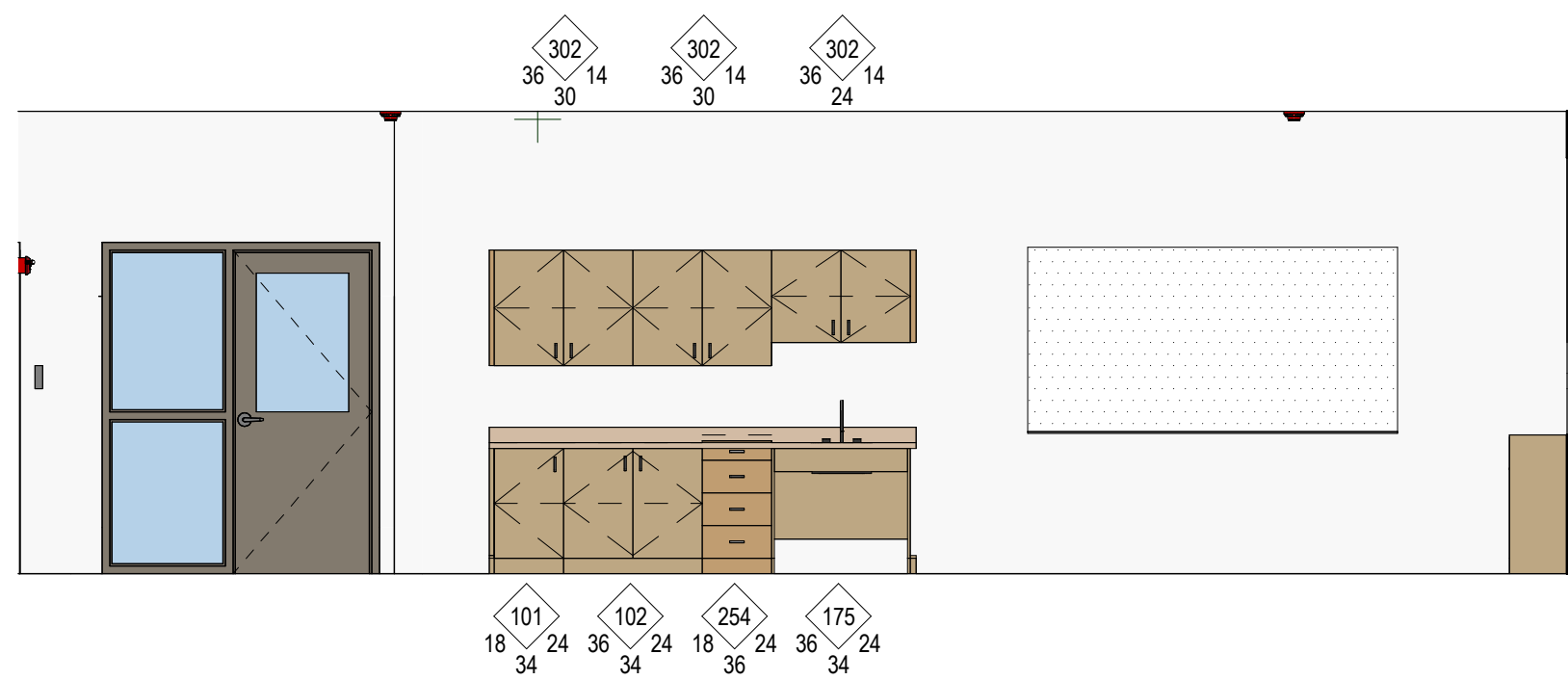
A340

AS40

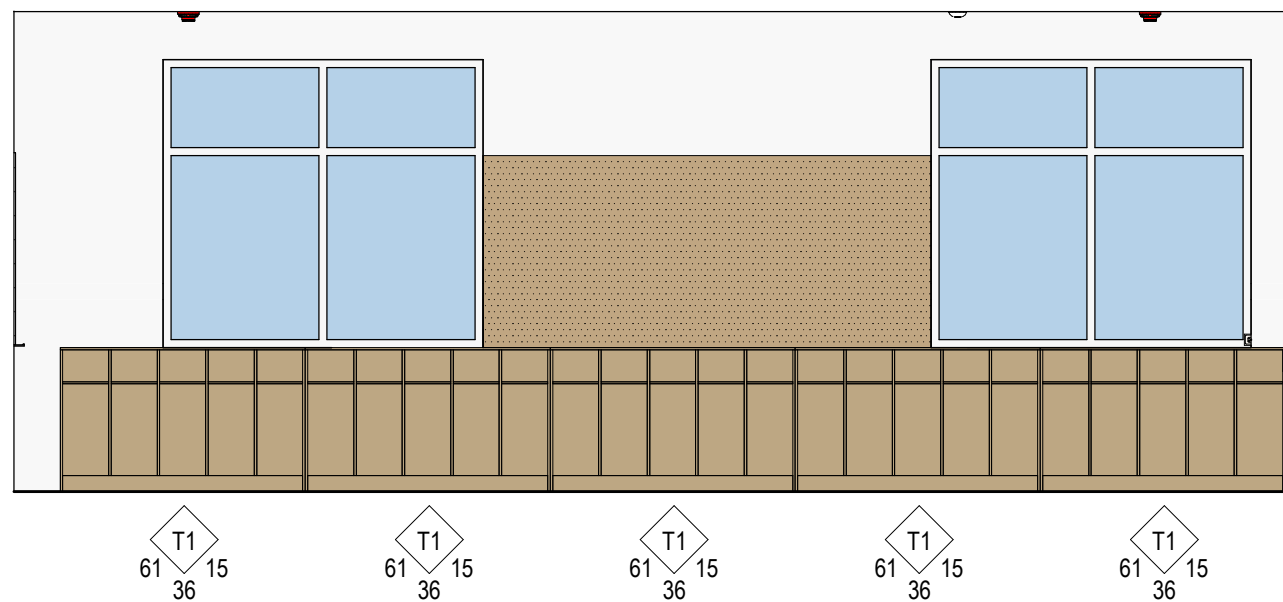
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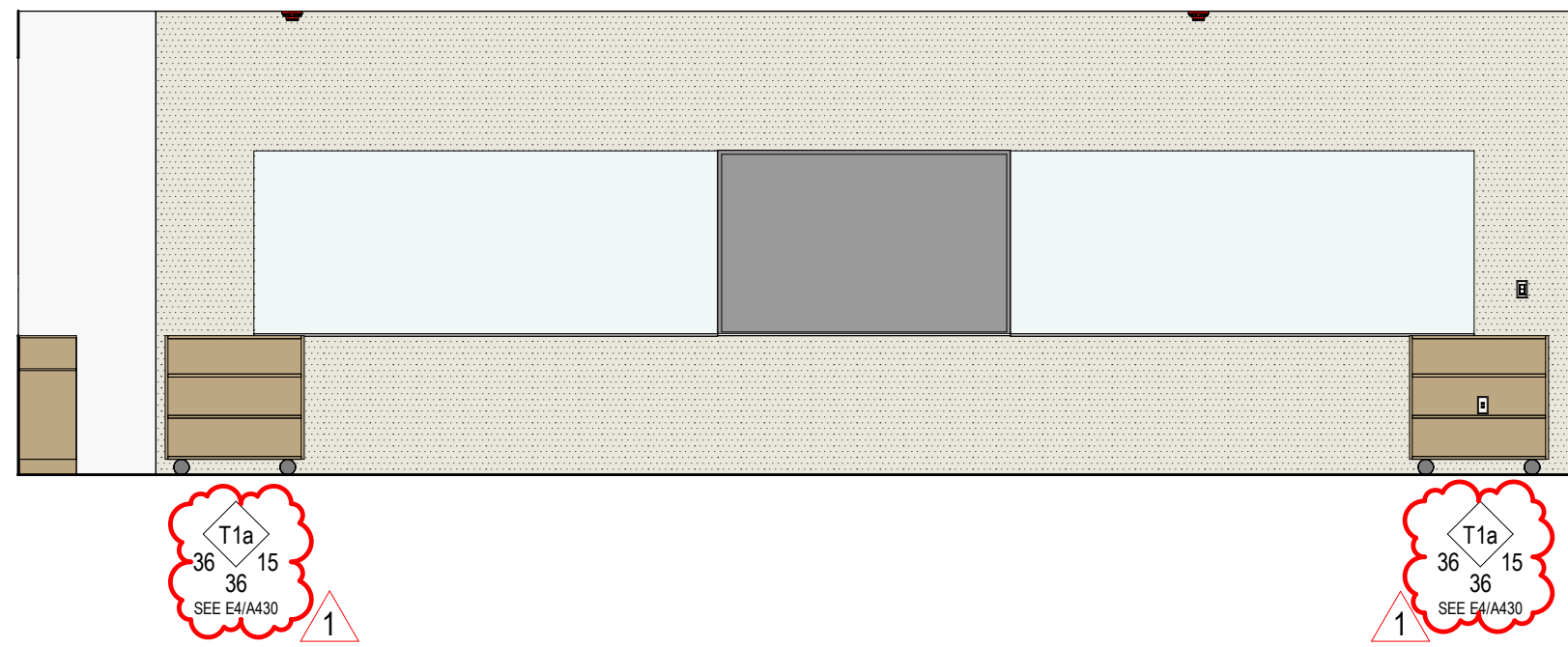
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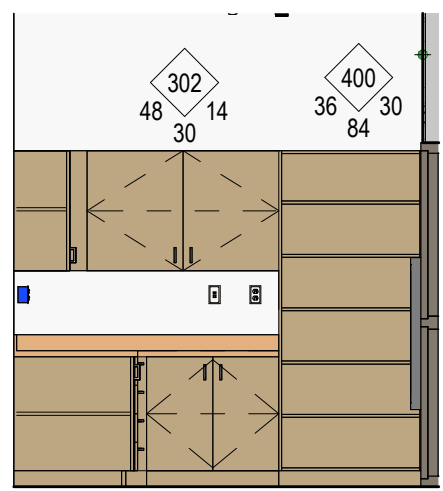
A1 CLASSROOM A121 - E
SCALE: 1/4" = 1'-0"



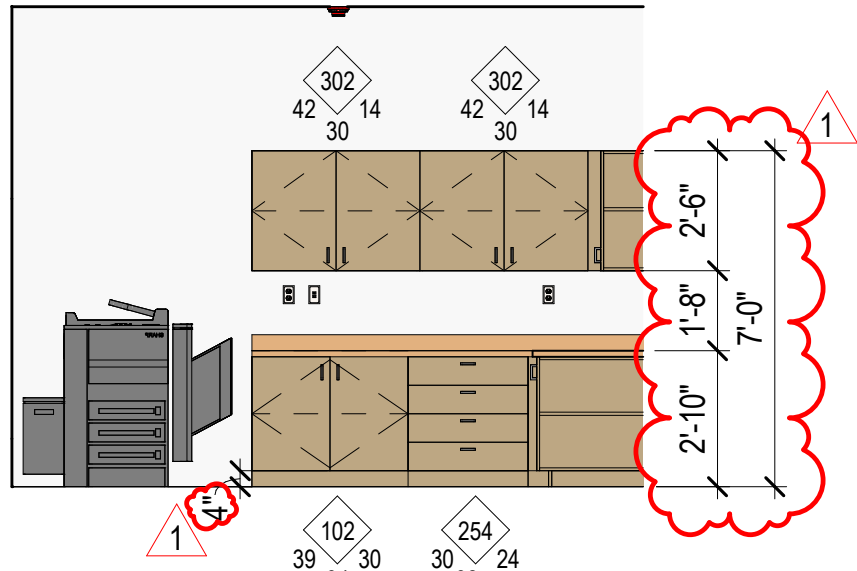
A2 CLASSROOM A121 - S
SCALE: 1/4" = 1'-0"



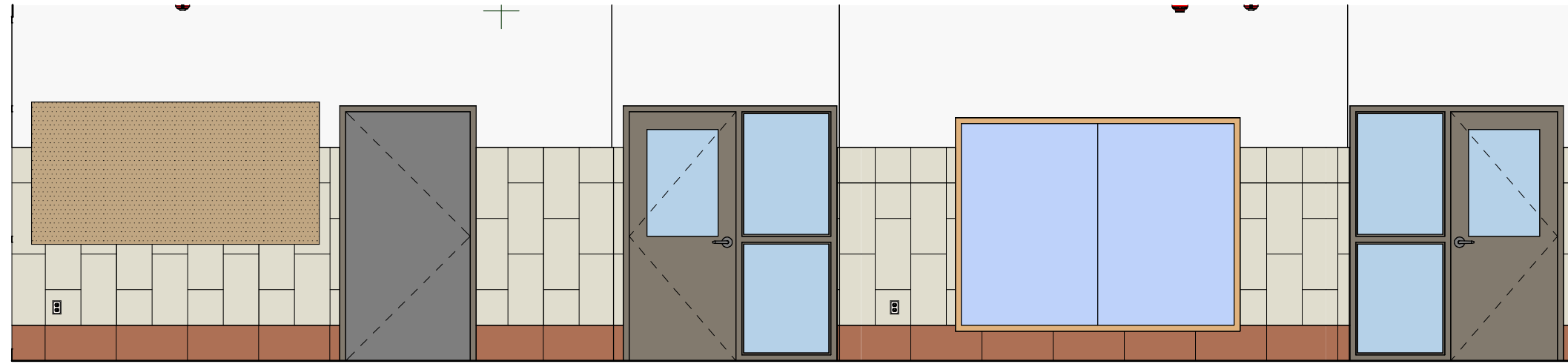
A4 CLASSROOM A121 - W
SCALE: 1/4" = 1'-0"



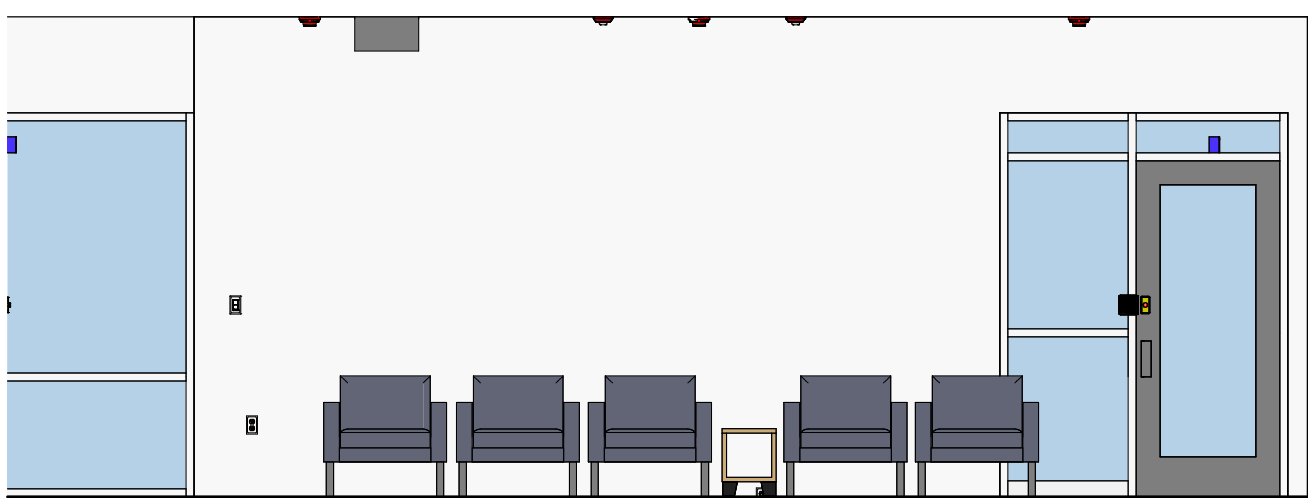
B1 SATELLITE WORKROOM - N
SCALE: 1/4" = 1'-0"



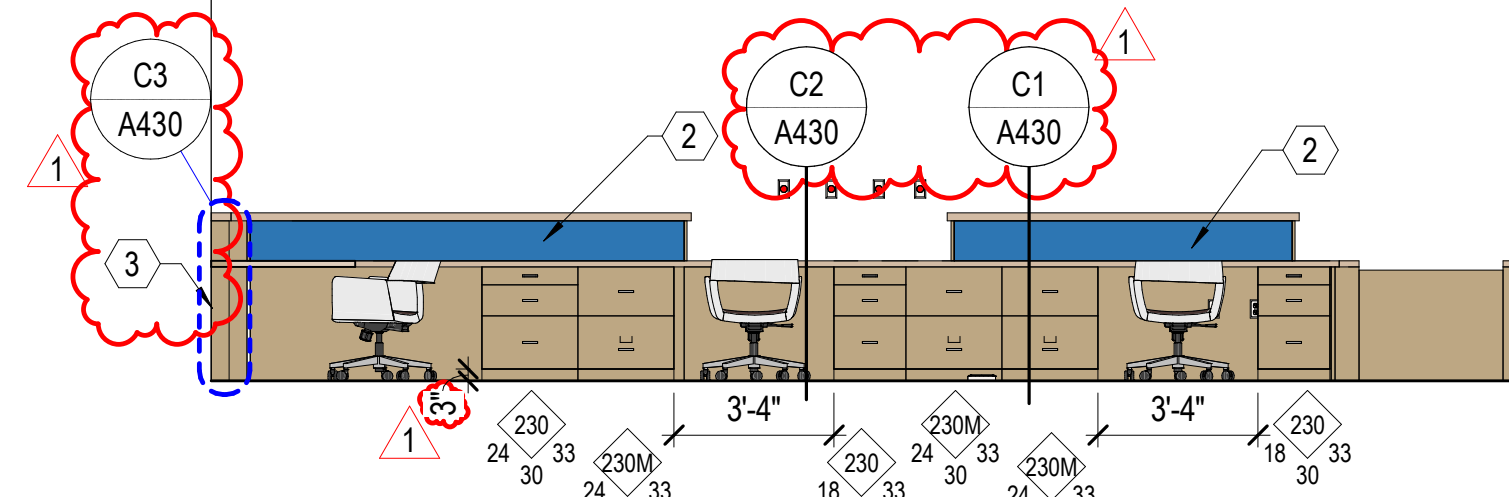
B2 SATELLITE WORKROOM - W
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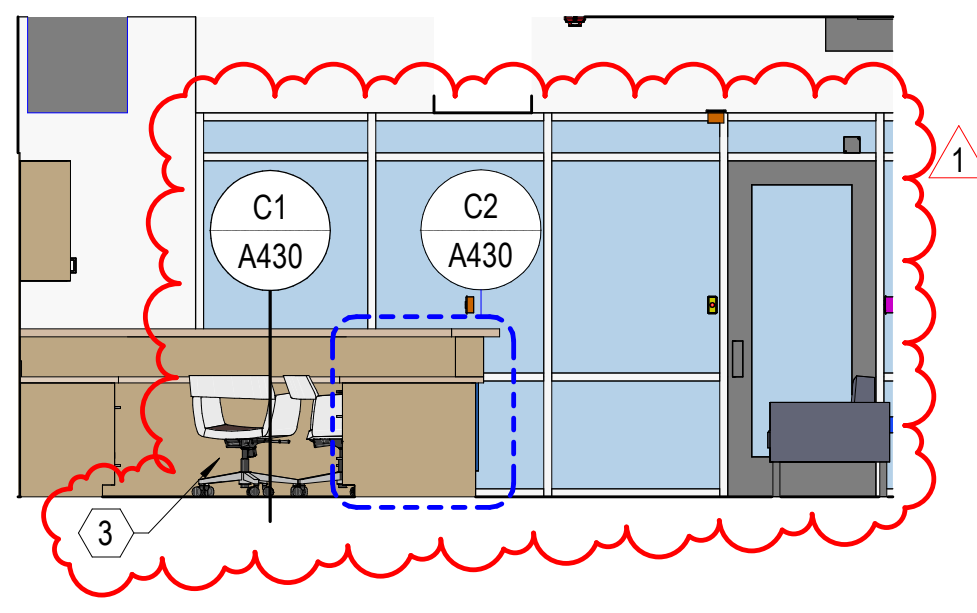
B3 CORRIDOR - W
SCALE: 1/4" = 1'-0"



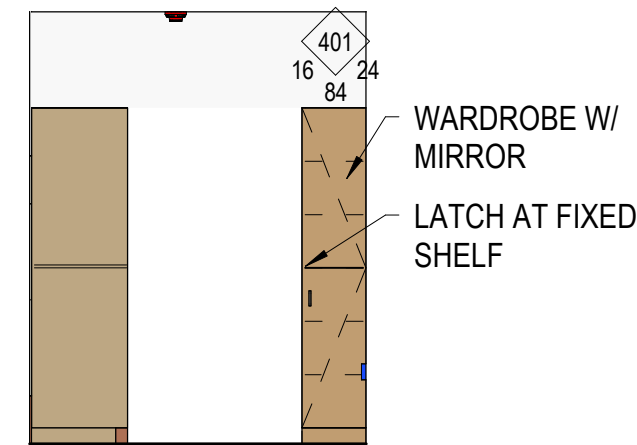
C1 RECEPTION - N
SCALE: 1/4" = 1'-0"



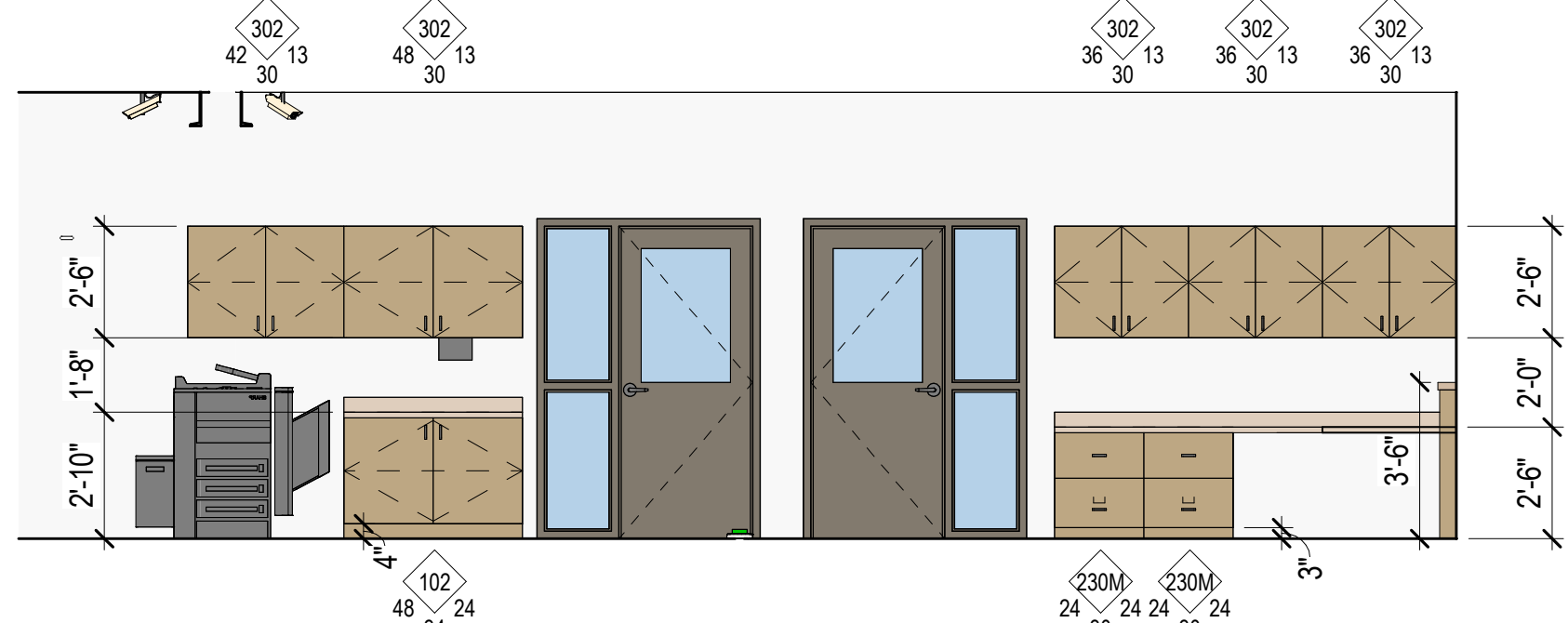
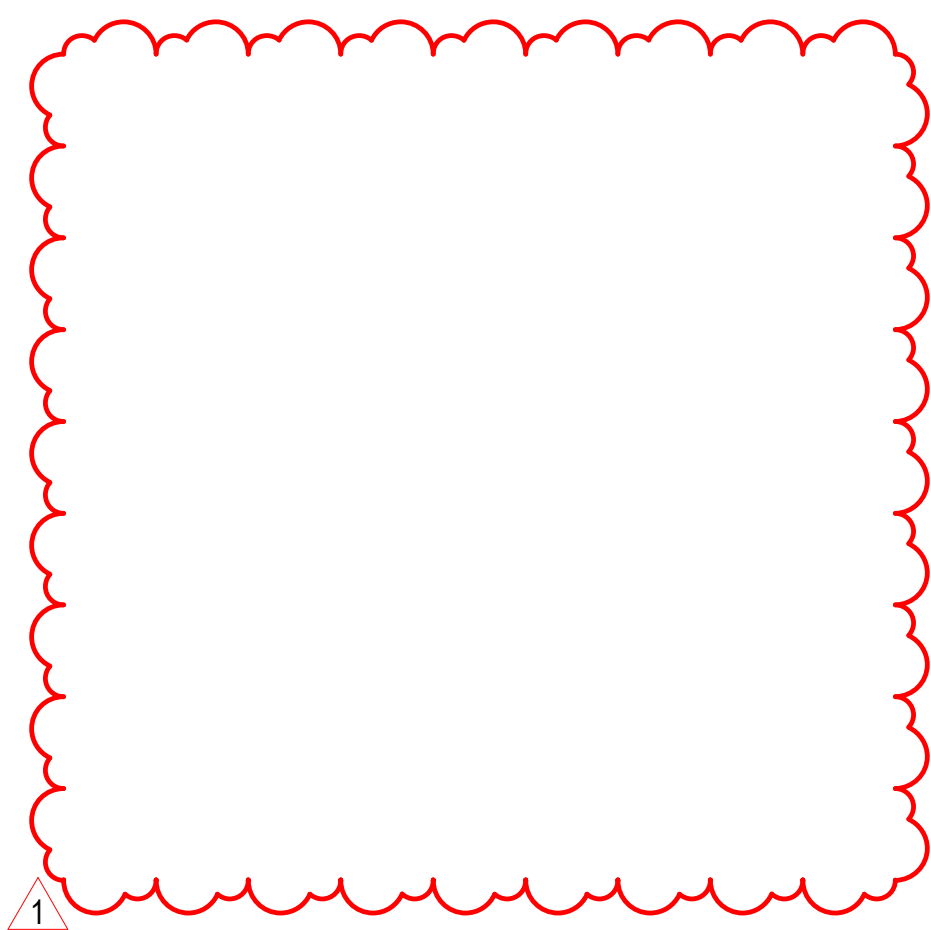
C2 RECEPTION DESK - N
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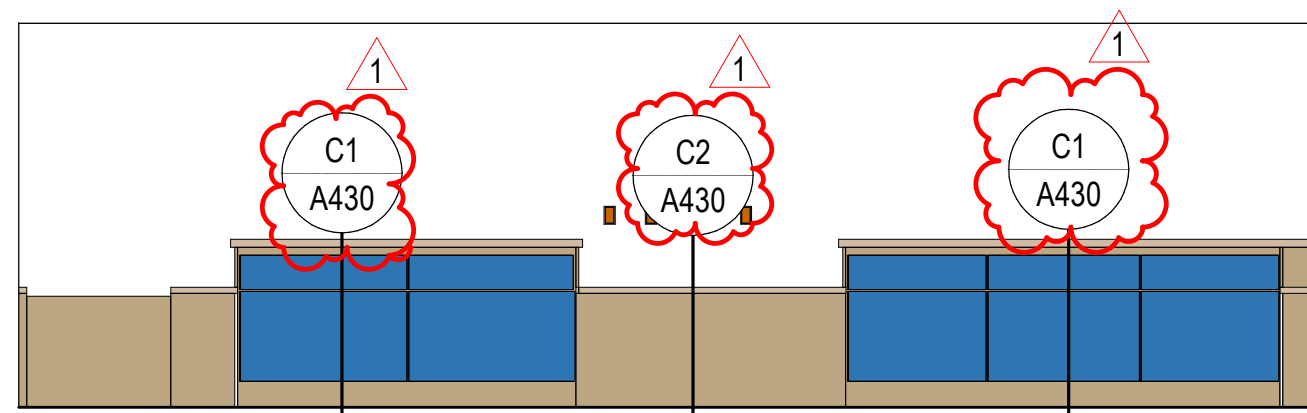
C3 RECEPTION - W
SCALE: 1/4" = 1'-0"



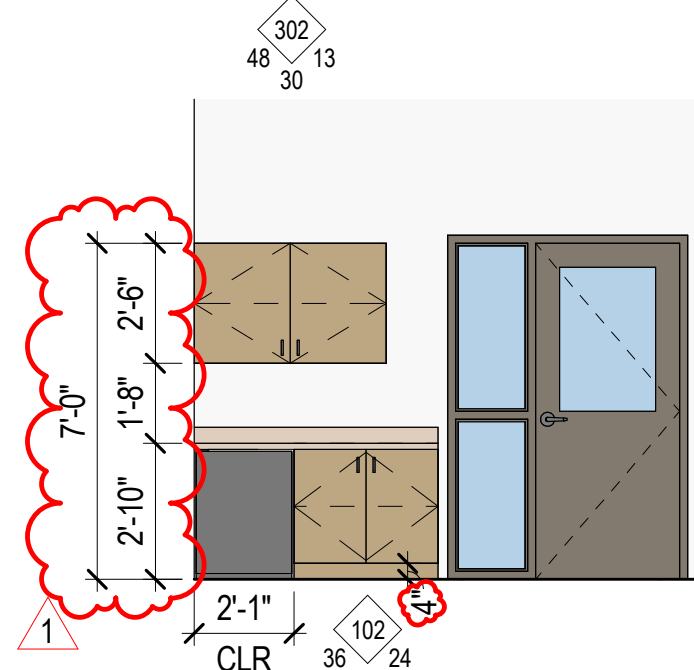
C4 WARDROBE - TEACHER WORKROOM
SCALE: 1/4" = 1'-0"



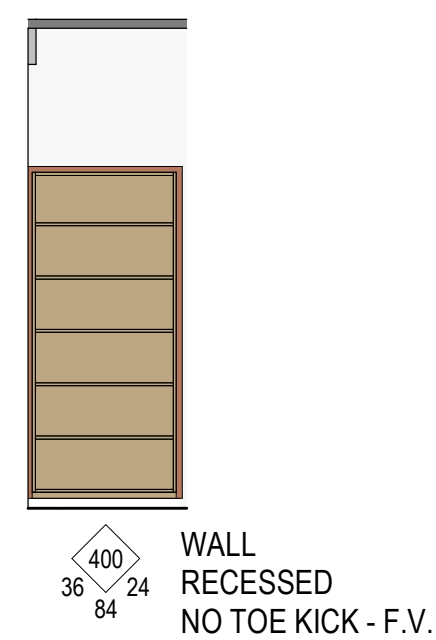
D2 RECEPTION DESK - S
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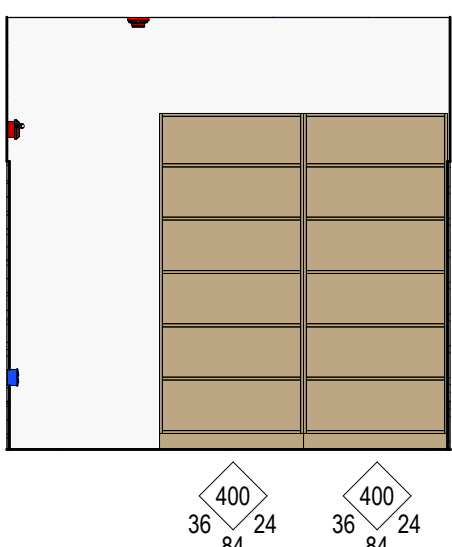
D3 RECEPTION DESK - FRONT - S
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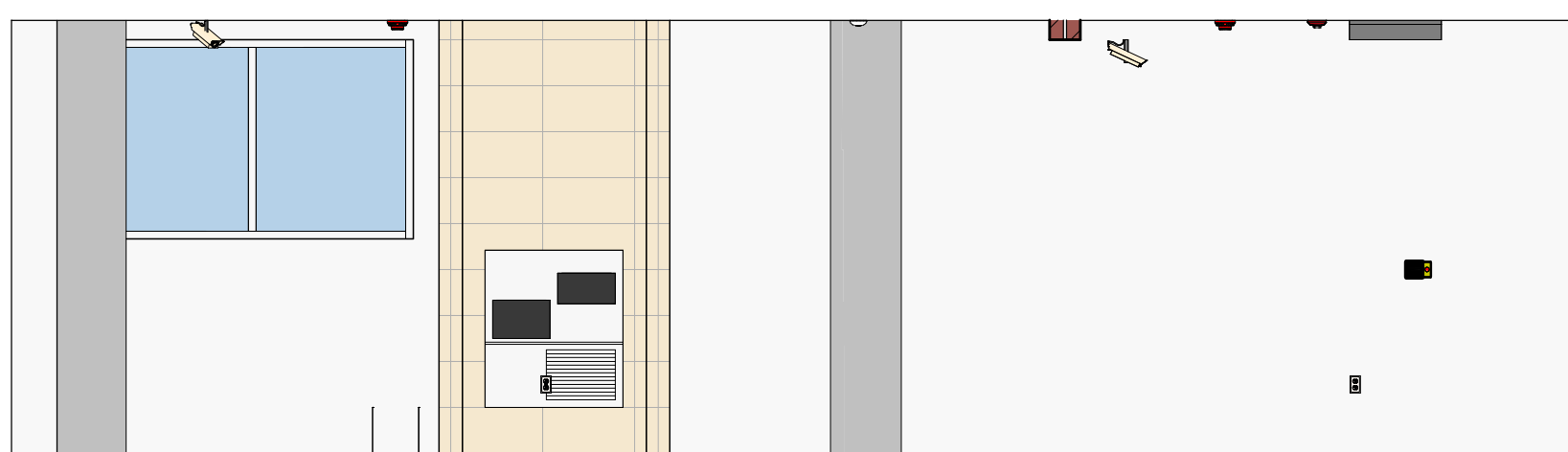
D4 CONFERENCE - S
SCALE: 1/4" = 1'-0"



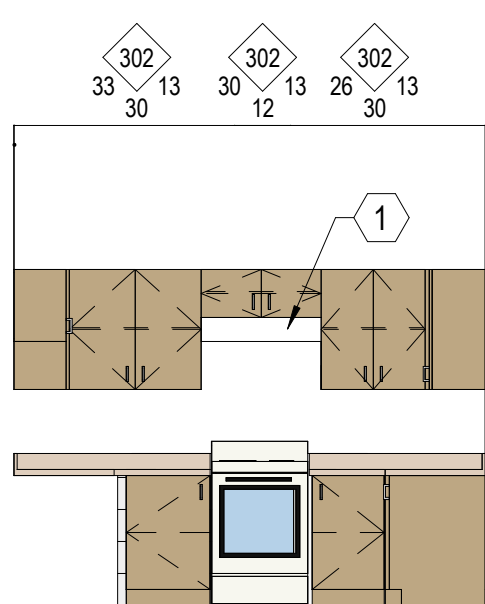
D5 OFFICE - S
SCALE: 1/4" = 1'-0"



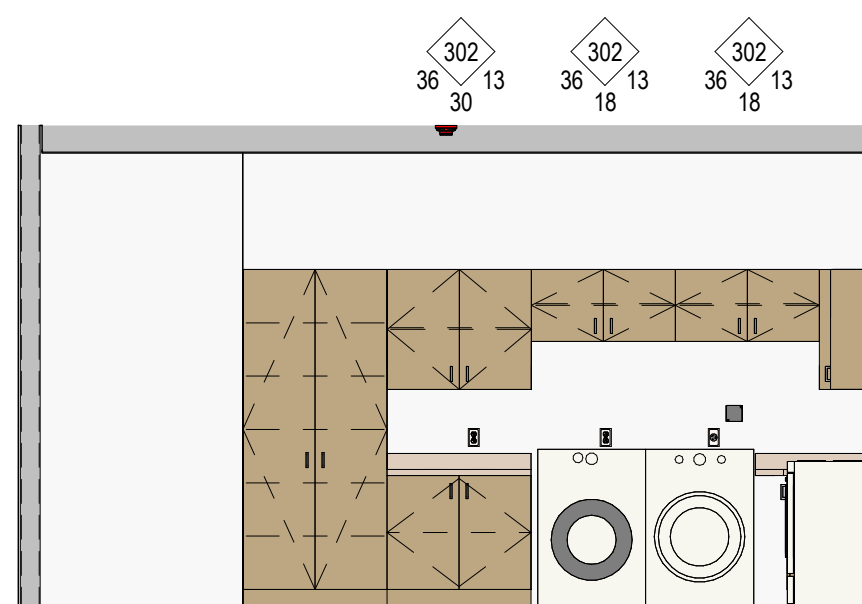
E1 TEACHER WORKROOM
SCALE: 1/4" = 1'-0"



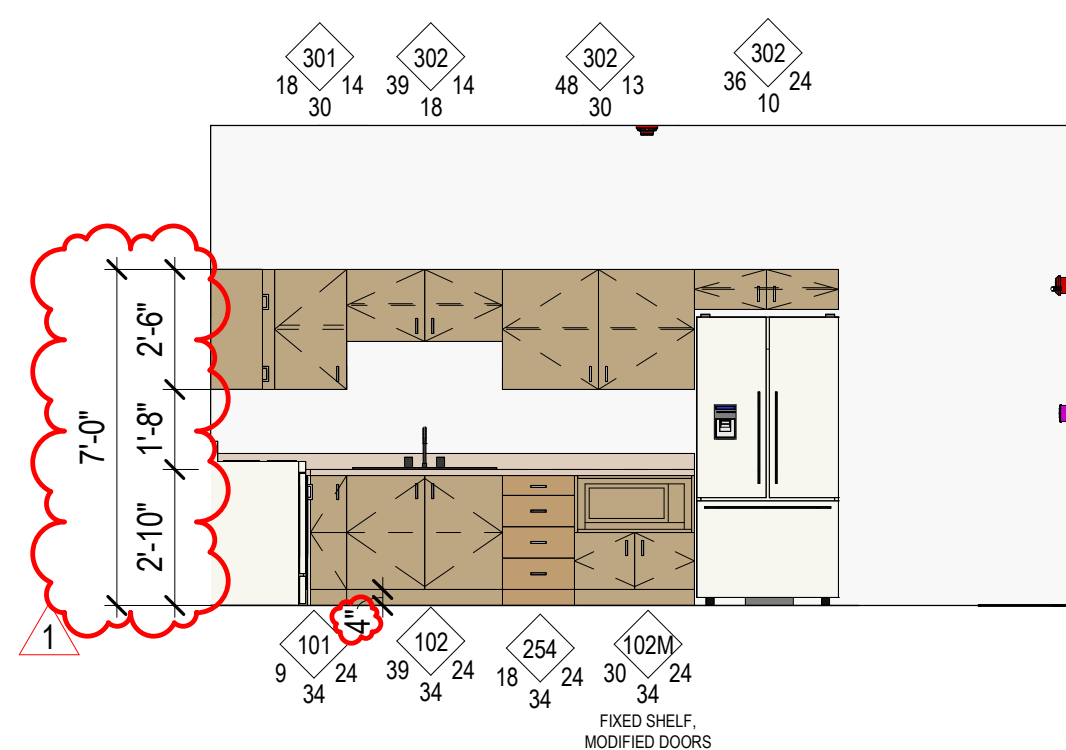
E2 VESTIBULE - N
SCALE: 1/4" = 1'-0"



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 - PLAM FINISH ALL SIDES

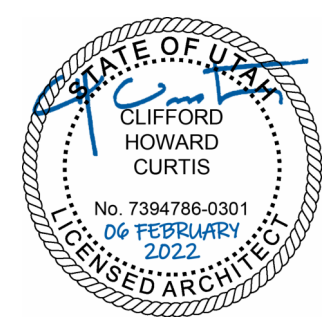


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1 Date 1 Addition #1

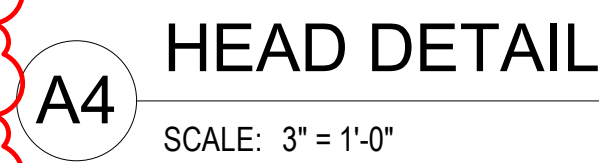
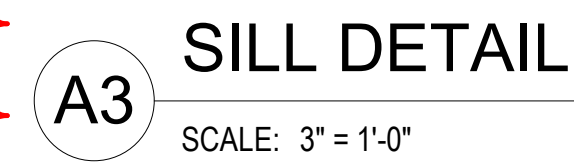
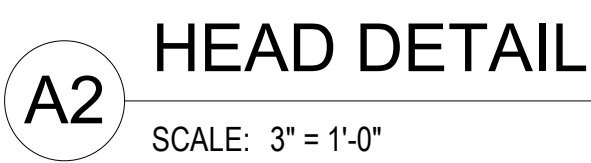
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SHEET NAME
INTERIOR ELEVATIONS

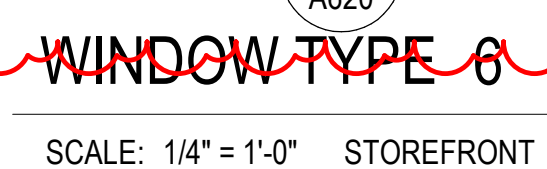
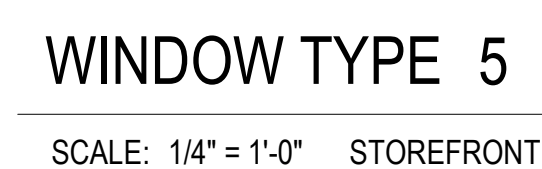
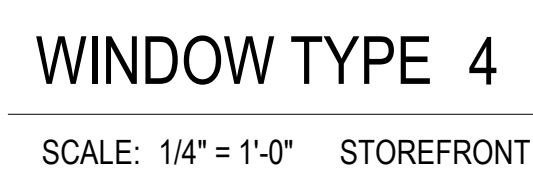
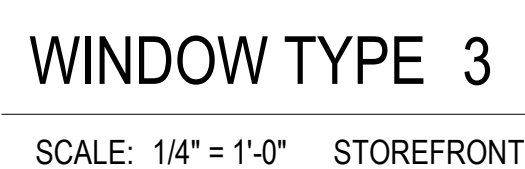
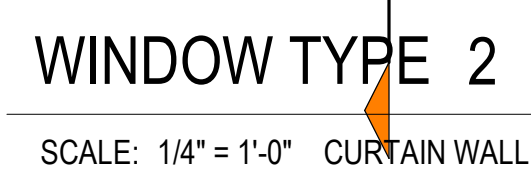
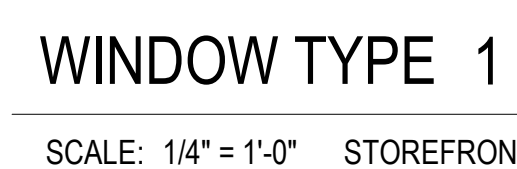
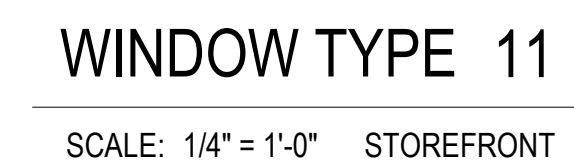
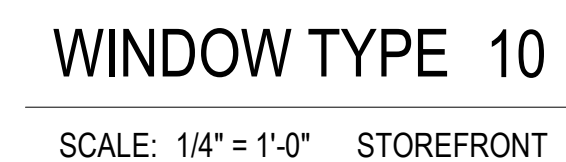
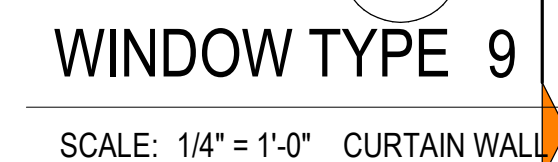
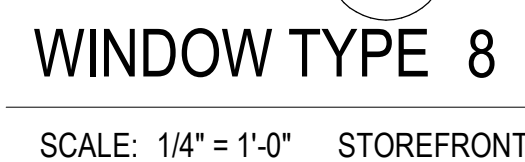
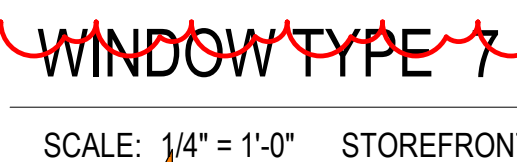
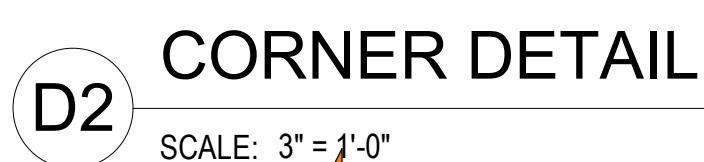
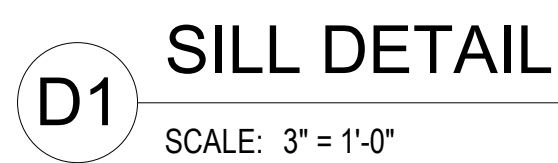
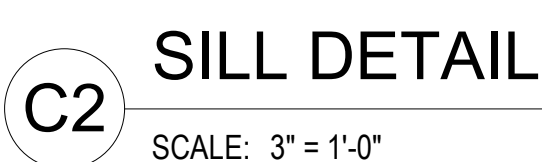
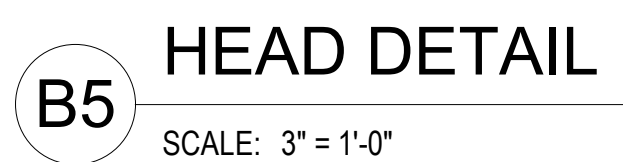
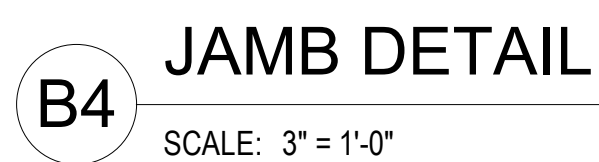
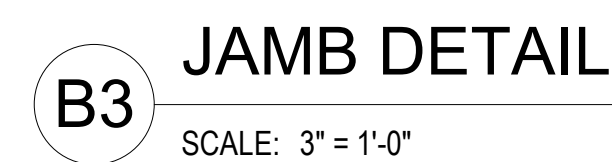
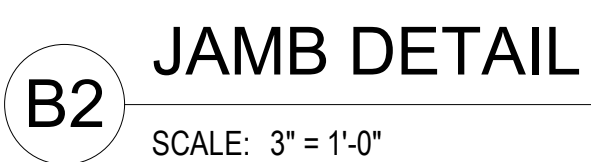
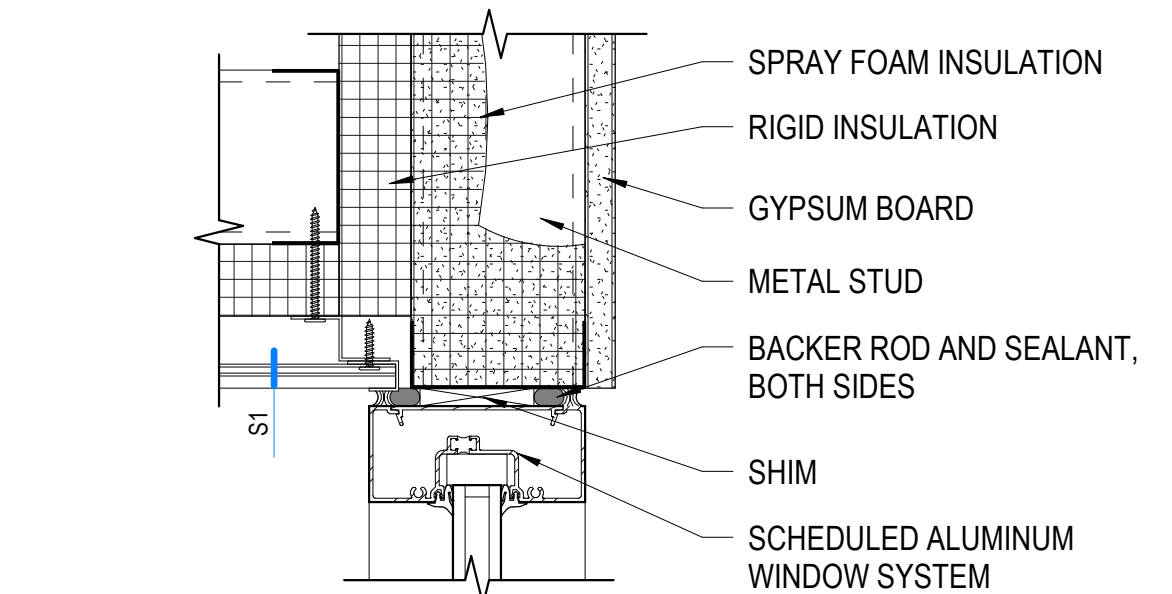
SHEET NUMBER

A410

RETURN TO INDEX



A01	6mm (1/4") CLEAR ANNEALED FLOAT GLASS
H22	1" LOW-E COATED, CLEAR HEAT-STRENGTHENED INSULATING GLASS
T01	6mm (1/4") CLEAR TEMPERED FLOAT GLASS
T22	1" LOW-E COATED, CLEAR TEMPERED INSULATING GLASS



FINISH SCHEDULE														
RM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL				CEILING FINISH	CABINET FINISH	COUNTER TOP FINISH	REMARKS			RM #
				NORTH WALL FINISH	EAST WALL FINISH	SOUTH WALL FINISH	WEST WALL FINISH							
A100	VESTIBULE	CPT2/ CPT2B	TB2	WT2	WT2	WT2	WT2	ACP2	----	----				A100
A101	CORRIDOR	EX	EX	EX	EX	EX	EX	EX	----	----				A101
A102	RECEPTION	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2/ GB1	PLAM1/ PLAM3	SS1				A102
A103	HALL	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	----	----				A103
A104	OFFICE	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	----	----	SS1 WINDOW SILL			A104
A105	OFFICE	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	----	----	SS1 WINDOW SILL			A105
A106	PRINCIPAL	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	----	----	SS1 WINDOW SILL			A106
A107	OFFICE	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	----	----	SS1 WINDOW SILL			A107
A108	STORAGE	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	----	----				A108
A109	CONFERENCE	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	PLAM1	SS1				A109
A110	NURSE	FT1	TB1	WT1	WT1	WT1	WT1	ACP1	PLAM1	SS1				A110
A111	WC	FT1/ FT2	TB1	WT1	WT1	WT1	WT1	GB2	----	----				A111
A112	SPED	RES1/ RES2	RB1	PT1/ WC1	PT1/ WC1	PT1/ WC1	PT1/ WC1	ACP1	PLAM1		SS1 WINDOW SILL			A112
A113	REST	RES1	RB1	PT1	PT1	PT1	PT1	ACP1	PLAM1	----				A113
A114	WORKROOM	RES1	RB1	PT1	PT1	PT1	PT1	ACP1	PLAM1	SS1				A114
A115	QUIET	RES1	RB1	WC1	WC1	WC1	WC1	GB1	----	----				A115
A116	RESTROOM/ SHOWER	FT2	TB1	WT1	WT1	WT1	WT1	GB2	----	----				A116
A117	ELECTRICAL	SC	RB	PT1	PT1	PT1	PT1	OTS	----	----				A117
A118	VESTIBULE	CPT2	TB2		WT2/ PT1		WT2/ PT1	ACP2	----	----				A118
A119	STORAGE	SC	RB1	----	----	----	----	GB1	----	----				A119
A120	CORRIDOR	RES1/ RES2	TB2	WT2/ PT1	WT2/ PT1	WT2/ PT1	WT2/ PT1	ACP2	----	----				A120
A121	CLASSROOM	CPT1	RB1	PT1	PT1	PT1	PT1	ACP1	PLAM1	PLAM2	SS1 WINDOW SILL			A121
A122	TEACHER WORKROOM	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	PLAM1					A122
A123	BREAKOUT	CPT1	RB1	PT1	PT1	PT1	PT1	ACP1	----	----	SS1 WINDOW SILL			A123
A124	CLASSROOM	CPT1	RB1	PT1	PT1	PT1	PT1	ACP1	PLAM1	PLAM2	SS1 WINDOW SILL			A124
A125	TEACHER WORKROOM	CPT1	RB1	PT1	PT1	PT1	PT1	ACP2	PLAM1					A125
A126	SATELLITE WORKROOM	CPT1	RB1	PT1	PT1	PT1	PT1	ACP1	PLAM1	PLAM2				A126
A127	STORAGE	SC	RB1	PT1	PT1	PT1	PT1	GB1	----	----				A127
A128	IDF	SC	RB1	PT1	PT1	PT1	PT1	ACP2	----	----				A128
A129	HALL	RES1/ RES2	RB1	PT1	PT1	PT1	PT1	EX	----	----				A129
A130	STORAGE	SC	RB1	PT1	PT1	PT1	PT1	OTS	----	----				A130

FINISH SCHEDULE LEGEND

GENERAL

EX - EXISTING TO REMAIN - PATCH WHERE DISTURBED BY CONSTRUCTION

FLOOR FINISHES

CPT1 - CARPET TILE
MANUFACTURER: MOHAWK
PRODUCT: CURIOUS CLUSTER GT353
COLOR NAME/ NUMBER: 828 GOLDEN AFTERNOON
SIZE: 24" X 24"
INSTALL METHOD: BRICK ASHLAR

CPT2 - WALK-OFF CARPET TILE
MANUFACTURER: MILLIKEN
PRODUCT: OBEK CUTX, STIPPLE
COLOR NAME/ NUMBER: STX52 NAVY
SIZE: 50CM X 50CM
INSTALL METHOD: MONOLITHIC

CPT2B - WALK-OFF CARPET TILE (CUSTOM LOGO)
MANUFACTURER: MILLIKEN
PRODUCT: OBEK CUTX, STIPPLE
COLOR NAME/ NUMBER: CUSTOM, MATCH NAVY
SIZE: 1M X 1M
INSTALL METHOD: CUSTOM PER LOGO

RES1 - RESILIENT TILE
MANUFACTURER: MILLIKEN
PRODUCT: GOUACHE
COLOR NAME/ NUMBER: GOU6 WARM GREY

RES2 - RESILIENT TILE
MANUFACTURER: MILLIKEN
PRODUCT: GOUACHE
COLOR NAME/ NUMBER: GOU52 INDIGO

SC - SEALED CONCRETE

FT1 - PORCELAIN FLOOR TILE
MANUFACTURER: DALTILE
PRODUCT: HAUT MONDE
COLOR:
SIZE: 24" X 24"
GROUT:

FT2 - PORCELAIN FLOOR TILE - MOSAIC
MANUFACTURER: DALTILE
PRODUCT: HAUT MONDE
COLOR:
SIZE: 2" X 2" MOSAIC
GROUT:

BASES

RB1 - RUBBER BASE
MANUFACTURER: ROPPE
TYPE: 4" COVED
COLOR:

WALL FINISHES

P1 - PAINTED GYPSUM BOARD OR EXISTING MASONRY
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW7013 IVORY LACE

P2 - PAINTED GYPSUM BOARD OR EXISTING MASONRY, MATCH EXISTING

WT1 - WALL TILE (GLAZED CERAMIC)
MANUFACTURER: DALTILE
PRODUCT: COLOR WHEEL LINEAR
COLOR: K775 MATTE BISCUIT
SIZE: 8" X 24"
GROUT:

WT2 - WALL TILE (PORCELAIN)
MANUFACTURER: CROSSVILLE
PRODUCT: COLOR BLOX 2.0
COLOR:
SIZE: 12" X 24"
GROUT:

WC1 - WALLCOVERING - FLEXIBLE WALL PROTECTION
MANUFACTURER: WOLF GORDON
PRODUCT: RAMPART - SPARTA
NUMBER: SRP 5034
COLOR: CHALK
TRIM: TR7

CEILINGS

ACP1 - 24" X 48" ACOUSTICAL CEILING PANEL
MANUFACTURER: ARMSTRONG
PRODUCT/ STYLE: MESA
EDGE DETAIL: ANGLED TEGULAR 15/16
COLOR: WHITE

ACP2 - 24" X 24" ACOUSTICAL CEILING PANEL
MANUFACTURER: ARMSTRONG
PRODUCT/ STYLE: MESA
EDGE DETAIL: ANGLED TEGULAR 15/16
COLOR: WHITE

GB1 - PAINTED GYP. BOARD
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW7013 IVORY LACE

GB2 - EPOXY PAINTED GYP. BOARD
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW7013 IVORY LACE

OTS - OPEN TO STRUCTURE

OTSP - OPEN TO STRUCTURE, PAINTED
COLOR: SW7013 IVORY LACE

CABINET

PLAM1 - PLASTIC LAMINATE
MANUFACTURER: FORMICA
NUMBER: 9041-NG
NAME: NATURAL REFINED HICKORY
NATURAL GRAIN TEXTURE

PLAM3 - PLASTIC LAMINATE
MANUFACTURER: FORMICA
NUMBER: 9320
NAME: BLUE FELT

COUNTER TOP

PLAM2 - PLASTIC LAMINATE:
MANUFACTURER: WILSONART
NUMBER: 4878-38
NAME: PEWTER MESH

SS1 - SOLID SURFACE
MANUFACTURER: WILSONART
COLOR: DUSK ICE
NUMBER: 9203CE

HM DOOR FRAME

DF1 - PAINTED FINISH, COLOR TO MATCH EXISTING PAINTED HM DOOR FRAMES

DOORS

D1 - WOOD DOOR, CLEAR FINISH, TYP UNO

TRIMS AND TRANSITIONS

THR - STONE THRESHOLD
MANUFACTURER: DALTILE
FINISH: CHIARO BEIGE, M710

TR1 - METAL TRANSITION (COVED BASE)
MANUFACTURER: SCHLUTER
PRODUCT NUMBER: DILEX-HKU
FINISH: BRUSHED STAINLESS STEEL

TR2 - METAL TRANSITION (LVT TO CARPET TILE)
MANUFACTURER: POWERHOLD
PRODUCT NUMBER: LVT 131
FINISH: EA - ETCHED ALUMINUM

TR3 - METAL TRANSITION (LVT TO EXISTING VCT)
MANUFACTURER: SCHLUTER
PRODUCT NUMBER: VINPRO-T
FINISH:

TR4 - RUBBER TRANSITION (CARPET TO EXISTING VCT)
MANUFACTURER: ROPPE
PRODUCT NUMBER: #65 ROLLING TRAFFIC TRANSITION
FINISH:

TR5 - RUBBER TRANSITION (CARPET TO SEALED CONCRETE)
MANUFACTURER: ROPPE
PRODUCT NUMBER: EDGE GUARD
FINISH:

TR6 - RUBBER TRANSITION (CARPET TO SEALED CONCRETE)
MANUFACTURER: ROPPE
PRODUCT NUMBER: EDGE GUARD
FINISH:

TR7 - METAL TRIM (WALLCOVERING TERMINATION TRIM)
MANUFACTURER: KOROSEAL/ KOROGARD
PRODUCT: SWPJC12001, J-CAP.
FINISH: CLEAR ANODIZED ALUMINUM SATIN.

FINISH SCHEDULE GENERAL NOTES

Finishes

Provide finishes as indicated in the finish schedule. Refer to interior elevations, where drawn, for clarification, dimensions and additional information. The absence of an interior elevation does not override the requirement to provide the finish indicated in the schedule.

Where a finish is partly hidden by an object, extend that finish behind the object.

Where multiple finishes are scheduled, refer to interior elevations and floor pattern plans for transition locations.

Floor: Extend floor finishes into knee spaces at cabinets, under counters and under all other objects, which in a floor plan view may obscure the extent of the floor finish.

Base: Where base is scheduled for a room, provide base at all walls whether shown in elevation, including alcoves and offsets. At gypsum board walls, if no base is scheduled or shown in interior elevations, provide 4" rubber base.

Walls: Extend wall finishes behind cabinets, behind mirrors, and into other areas that may be hidden in elevation views.

Ceilings: Paint areas above suspended ceilings that are visible from below.

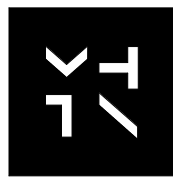
Doors, Windows and Frames: Unless specified to be pre-finished at the factory, provide paint finish on hollow metal doors and hollow metal door and window frames. Color as indicated, or if not indicated, then as selected by the Architect. Provide specified stain finish at wood doors.

Unfinished and Primed Metal Surfaces: Paint all unfinished and primed metal surfaces that are visible with the specified system(s). Color by Architect.

Standing and Running Trim: Provide specified stain finish at wood trim.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Seaming Diagrams: Provide diagrams for broadloom carpet and sheet flooring.



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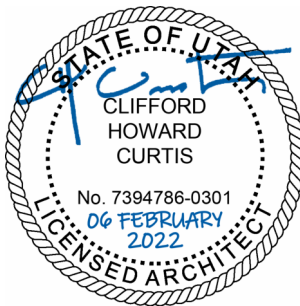
SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

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 Date 1 Addendum #1

ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

FINISH SCHEDULE

SHEET NUMBER

A640

RETURN TO INDEX

PATTERN PLAN GENERAL NOTES

RE: A640 for the Finish Schedule

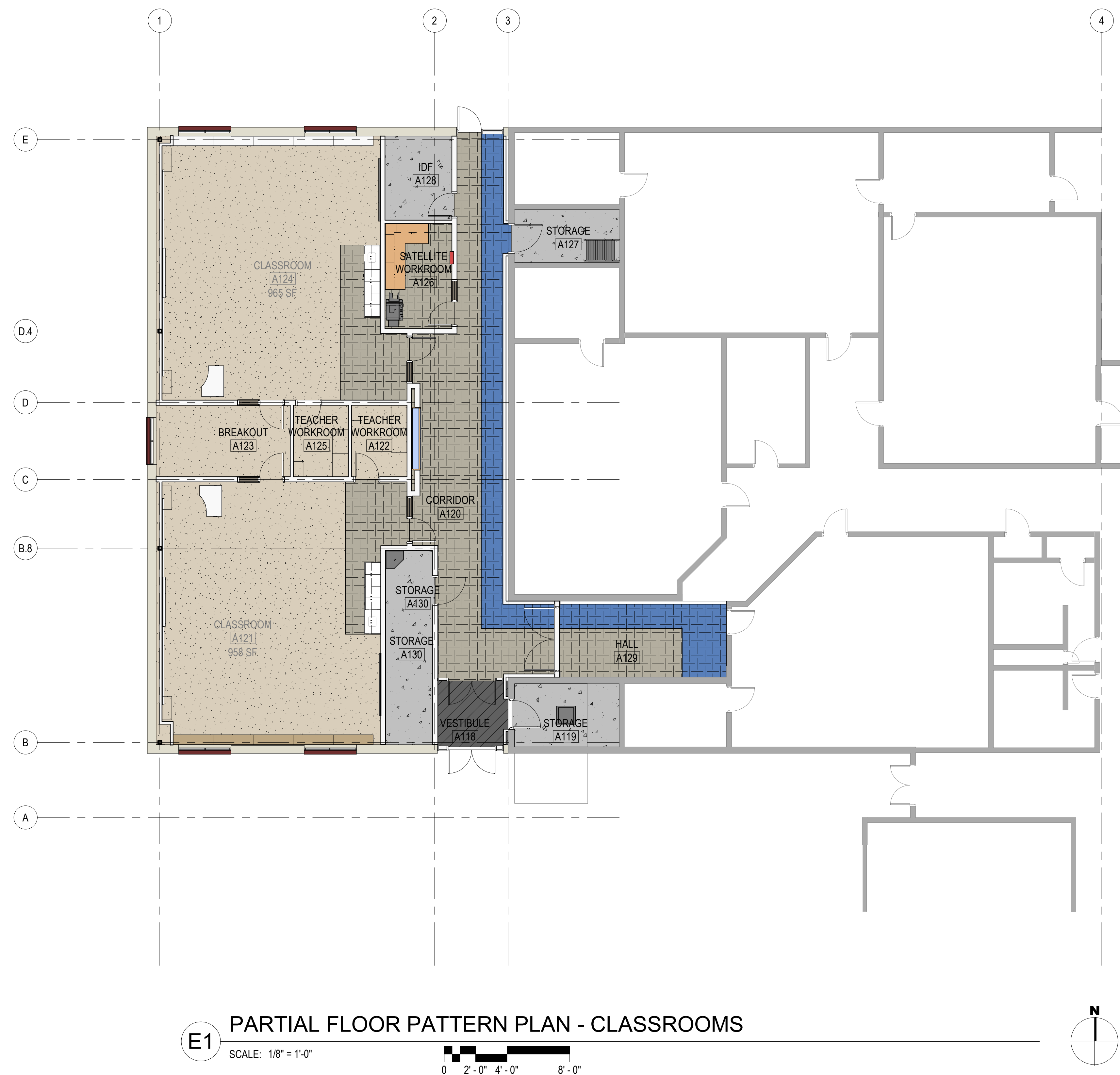
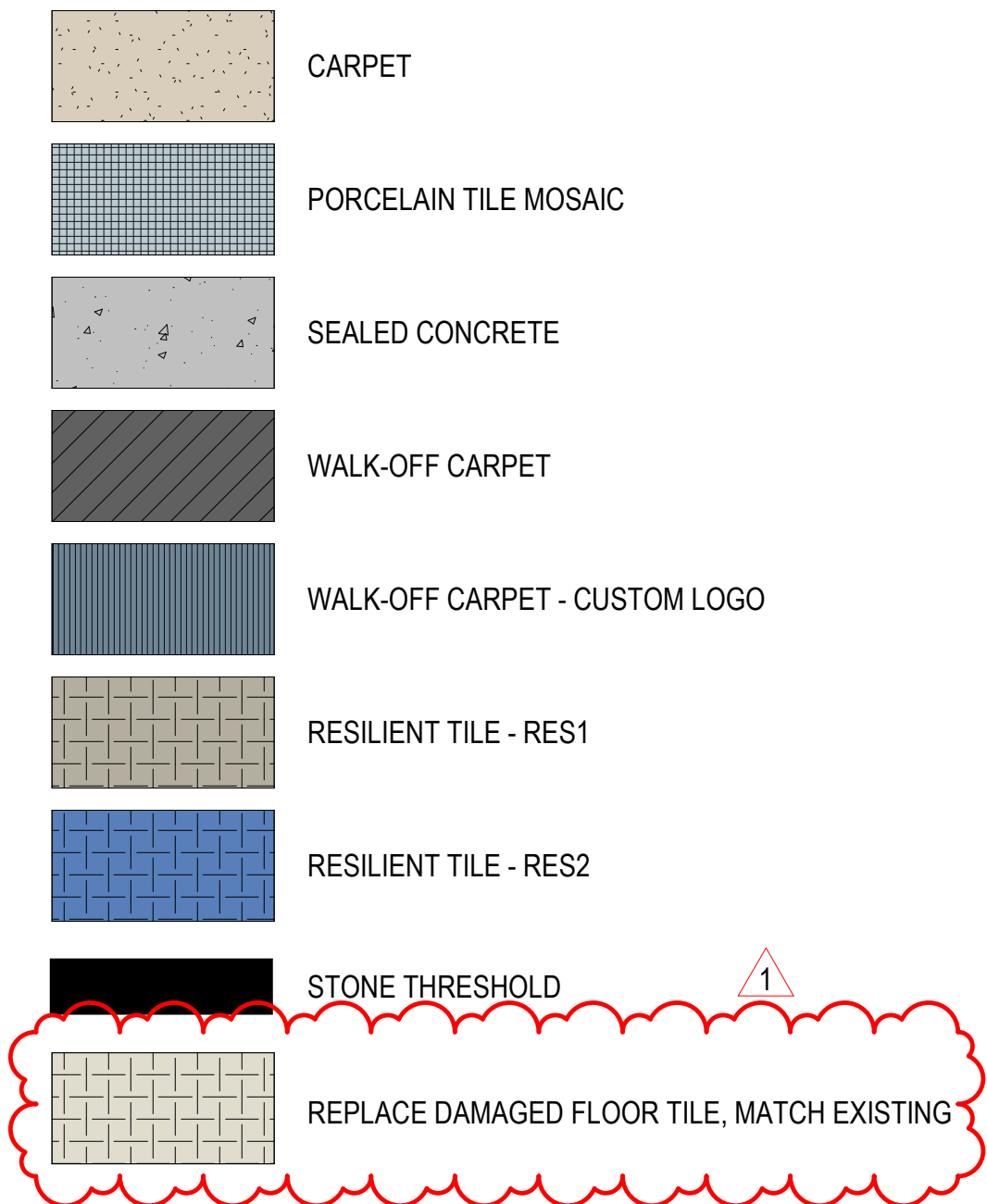
RE: Axxx for typical floor finish transition details

RE: Structural drawings for recessed slabs.

Floor Finish Transitions at Doors: Locate floor finish material transitions that occur at doors under the center of the door, UNO.

Floor Drains: Coordinate location of floor drains with Plumbing drawings.

LEGEND - FLOOR PATTERN

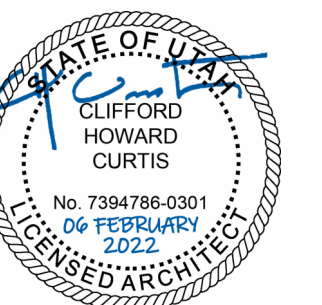


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LAST REVISION DATE.		
NO. Δ	DATE	DESCRIPTION

ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

CLASSROOM

FLOOR FINISH

FLOOR FINISH

PLAN

SHEET NUMBER

NOTES

A651

AUG 1

[RETURN TO INDEX](#)

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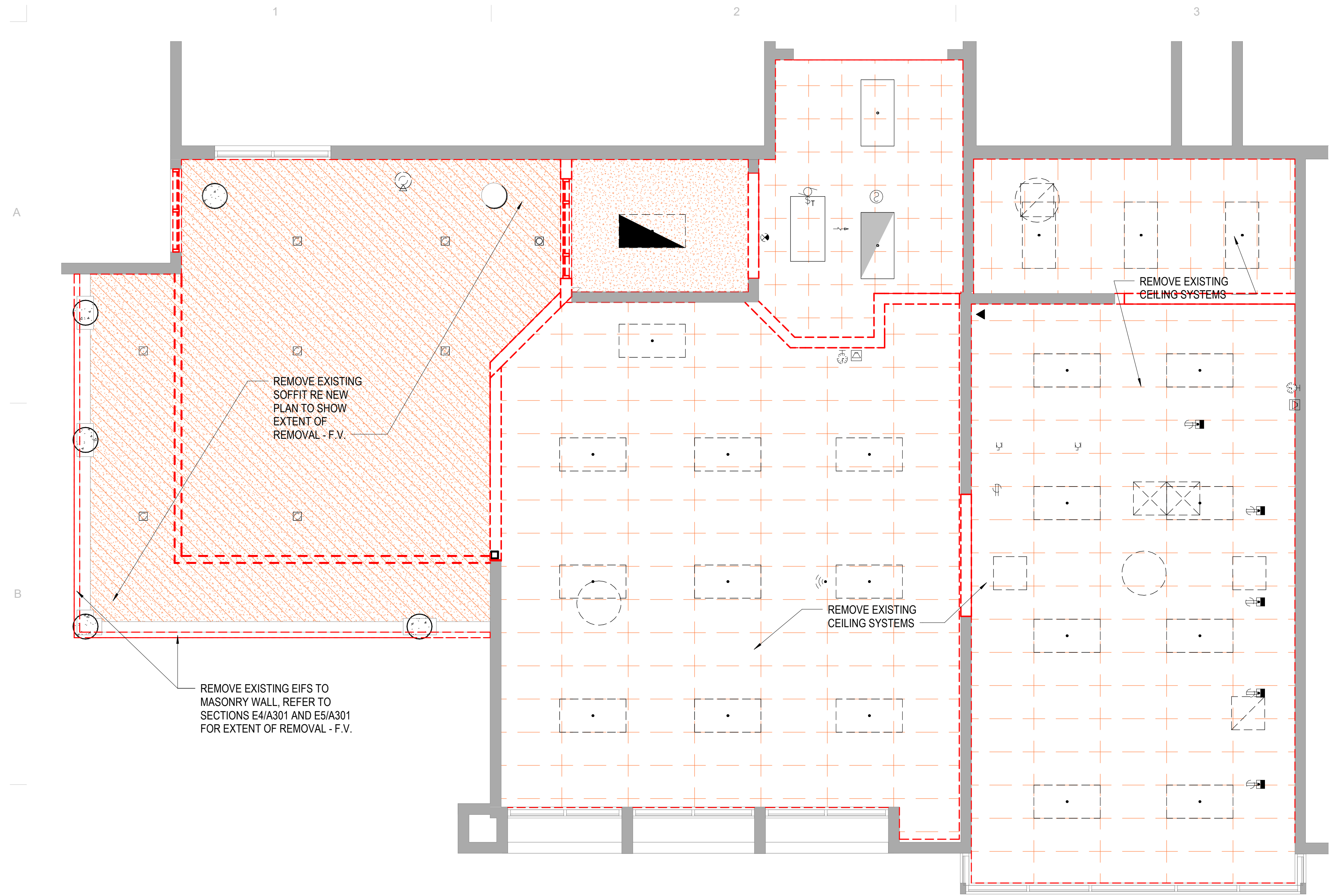
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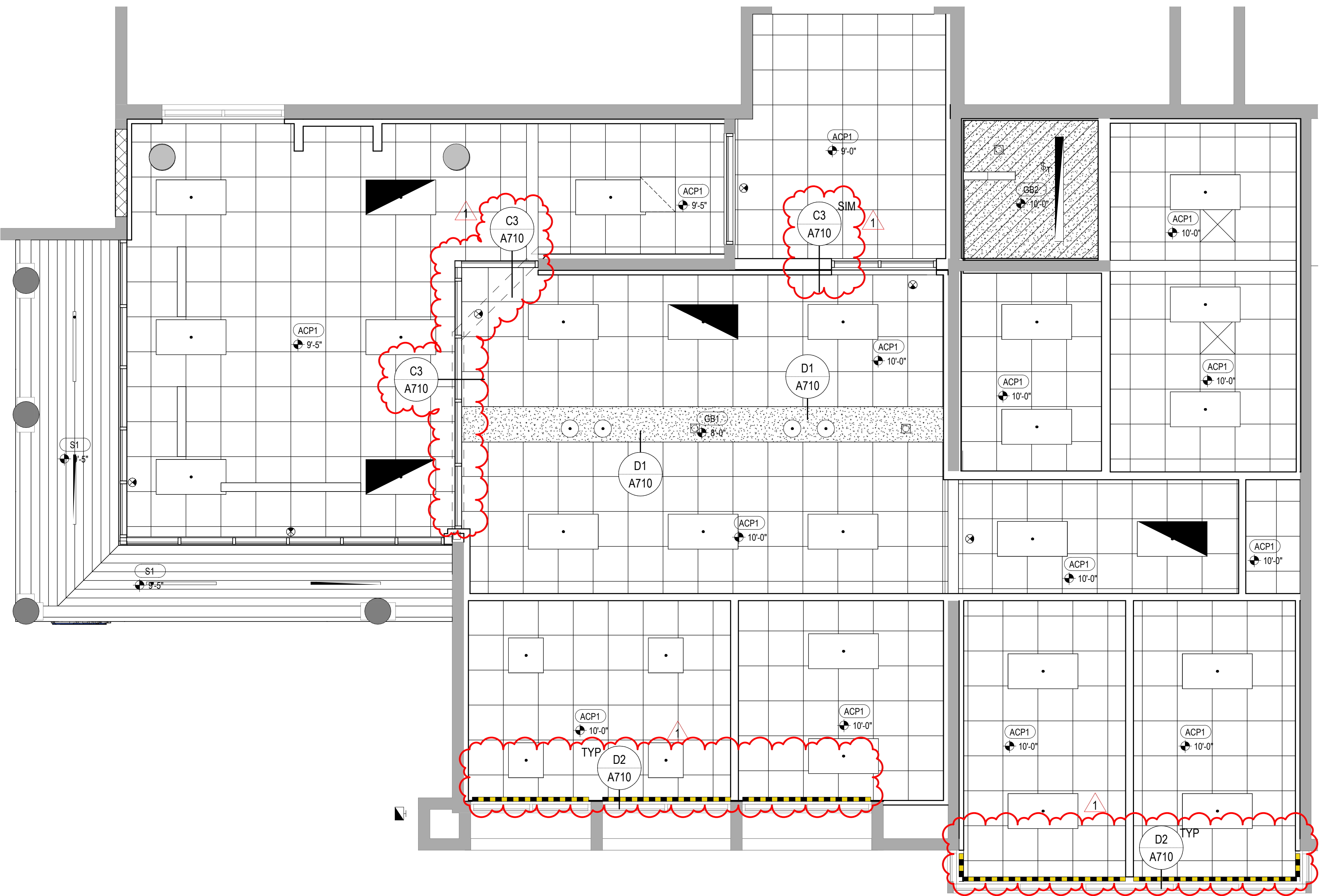
A660

RETURN TO INDEX





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



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

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		
	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.

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 - 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

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

Ceiling Height: 9'-0" UNO. Where ceiling 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 and 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.

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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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.

KEYNOTES - DEMOLITION

- 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 ONLY 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.

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
			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	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		

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

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

Ceiling Height: 9'-0" UNO. Where ceiling 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.

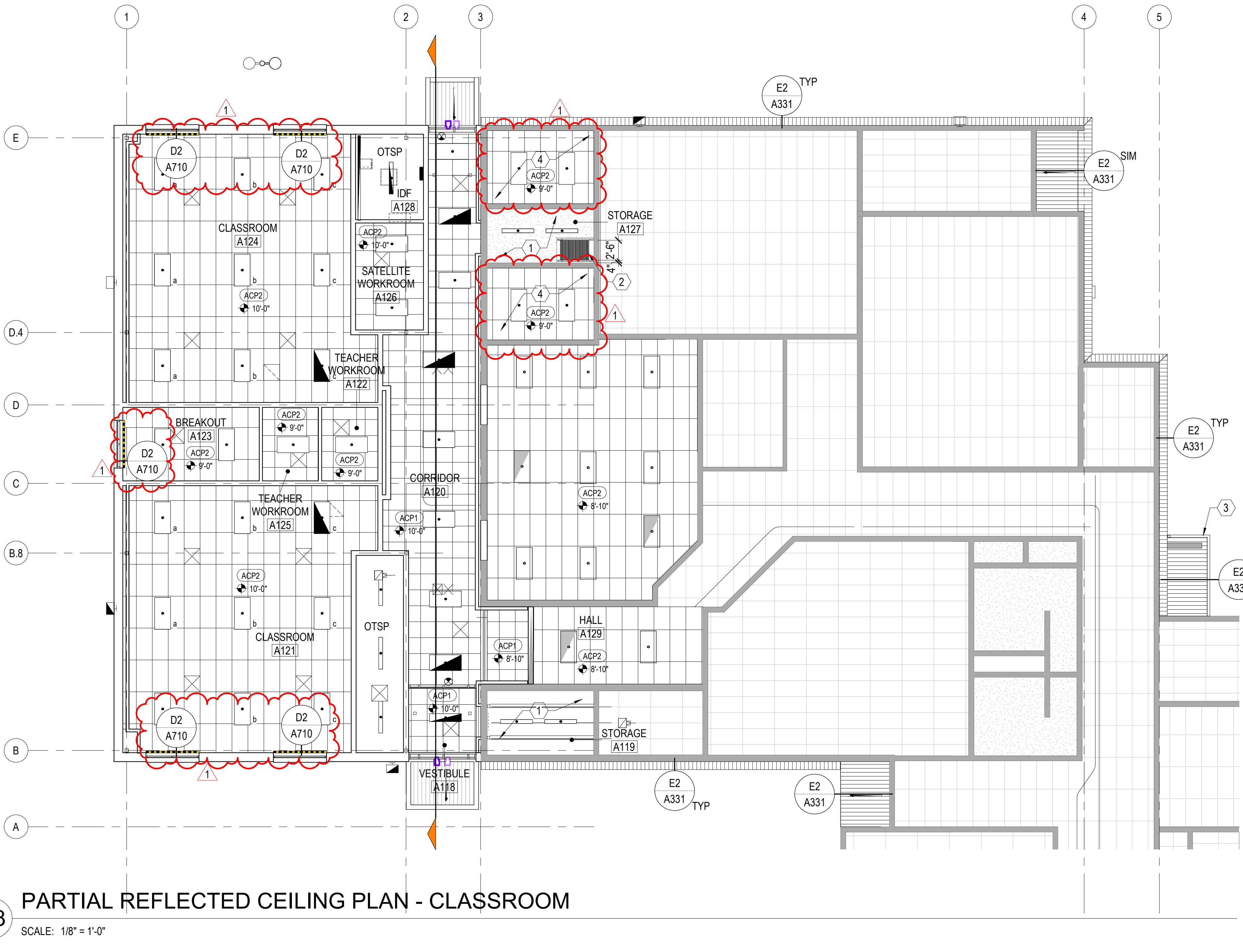
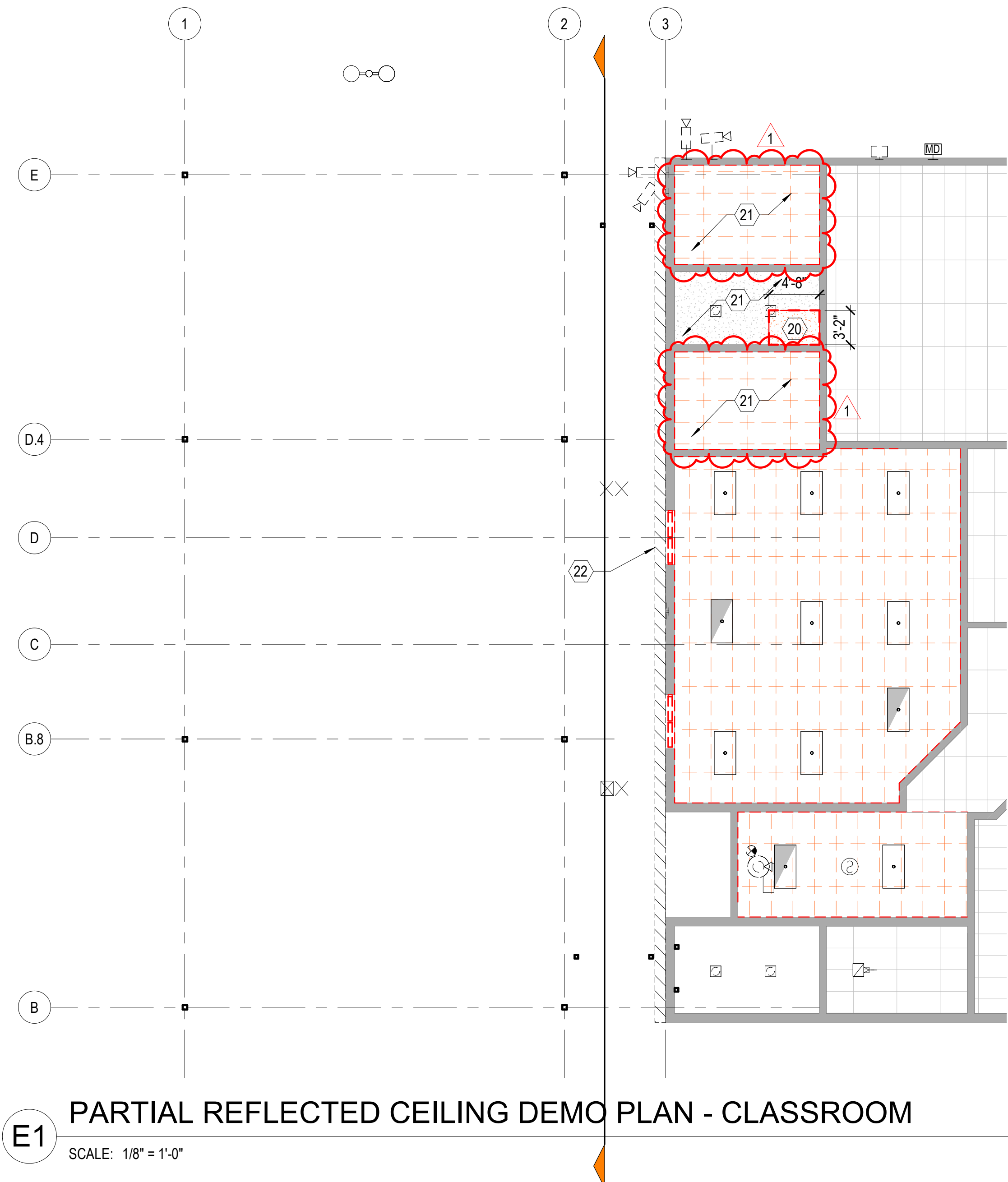
Fire Sprinklers: Center sprinkler heads in acoustical panels; run in straight lines in orthogonal, rectangular spaces.

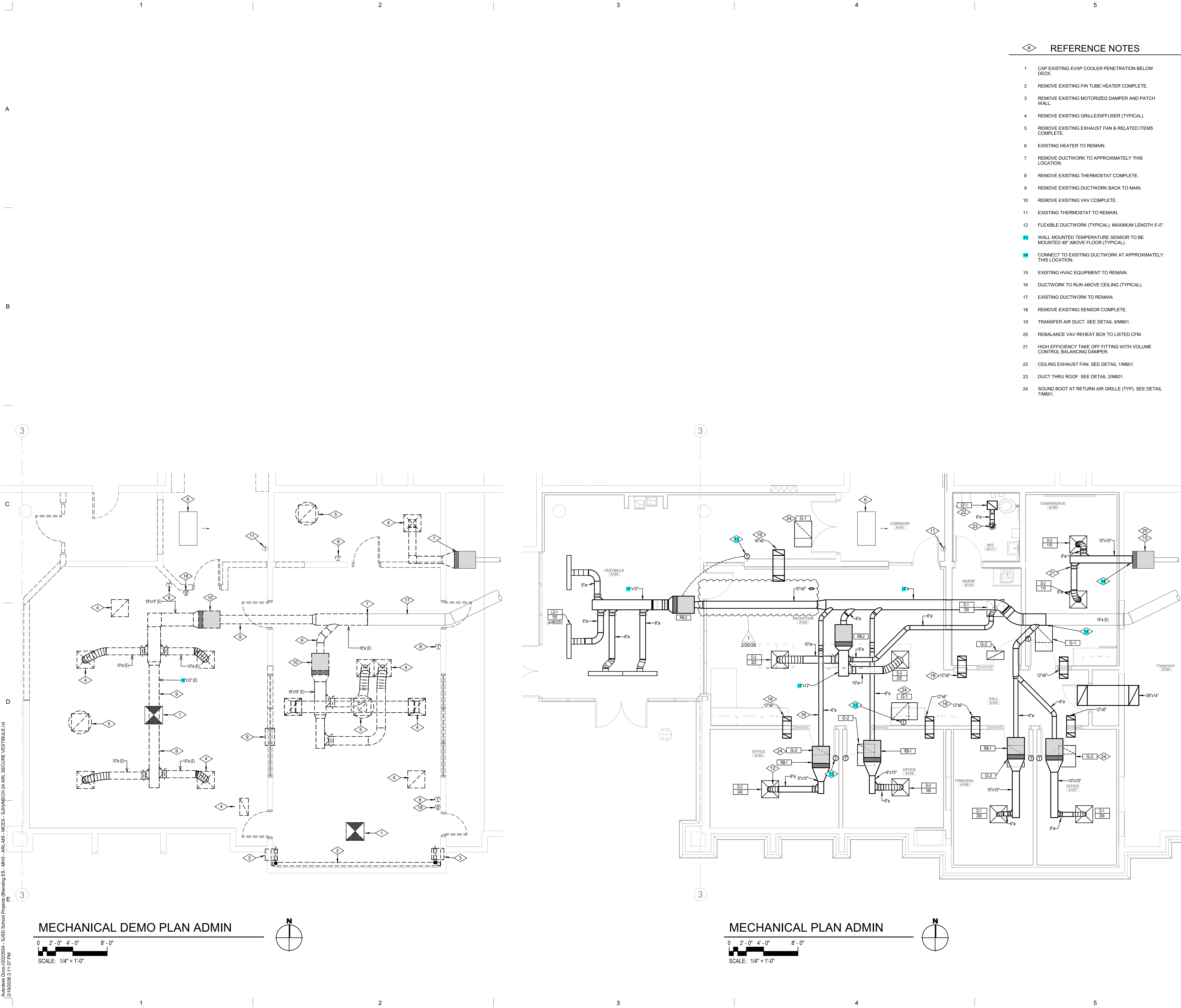
Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

Keynotes: Not all keynotes apply to this sheet.

KEYNOTES - CEILINGS

- 1 EXISTING GYPSUM BOARD CEILING - PROVIDE MUD, TAPE & PAINT CEILING & WALLS - F.V.
- 2 MODIFY EXISTING CEILING & FRAMING FOR NEW SHIPS LADDER RE: STRUCTURAL - F.V.
- 3 GUTTER SYSTEM DOWNSPOUT
- 4 REPLACE EXISTING CEILING AS REQ'D FROM MODIFICATION OF ROOF FRAMING



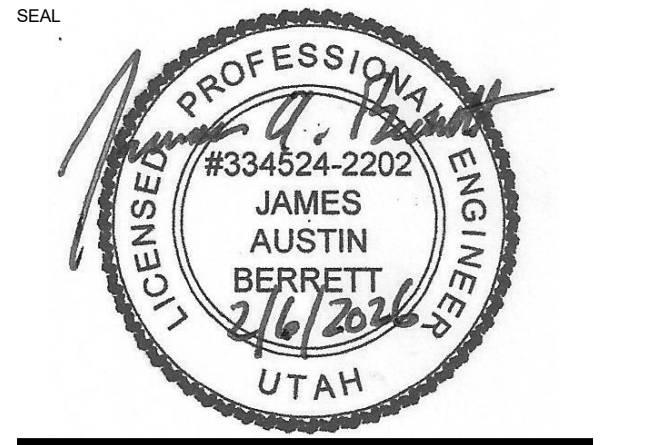


REFERENCE NOTES

- 1 CAP EXISTING EVAP COOLER PENETRATION BELOW DECK.
- 2 REMOVE EXISTING FIN TUBE HEATER COMPLETE.
- 3 REMOVE EXISTING MOTORIZED DAMPER AND PATCH WALL.
- 4 REMOVE EXISTING GRILLE/DIFFUSER (TYPICAL).
- 5 REMOVE EXISTING EXHAUST FAN & RELATED ITEMS COMPLETE.
- 6 EXISTING HEATER TO REMAIN.
- 7 REMOVE DUCTWORK TO APPROXIMATELY THIS LOCATION.
- 8 REMOVE EXISTING THERMOSTAT COMPLETE.
- 9 REMOVE EXISTING DUCTWORK BACK TO MAIN.
- 10 REMOVE EXISTING VAV COMPLETE.
- 11 EXISTING THERMOSTAT TO REMAIN.
- 12 FLEXIBLE DUCTWORK (TYPICAL), MAXIMUM LENGTH 5'-0".
- 13 WALL MOUNTED TEMPERATURE SENSOR TO BE MOUNTED 48" ABOVE FLOOR (TYPICAL).
- 14 CONNECT TO EXISTING DUCTWORK AT APPROXIMATELY THIS LOCATION.
- 15 EXISTING HVAC EQUIPMENT TO REMAIN.
- 16 DUCTWORK TO RUN ABOVE CEILING (TYPICAL).
- 17 EXISTING DUCTWORK TO REMAIN.
- 18 REMOVE EXISTING SENSOR COMPLETE.
- 19 TRANSFER AIR DUCT. SEE DETAIL 8/M601.
- 20 REBALANCE VAV REHEAT BOX TO LISTED CFM.
- 21 HIGH EFFICIENCY TAKE OFF FITTING WITH VOLUME CONTROL BALANCING DAMPER.
- 22 CEILING EXHAUST FAN. SEE DETAIL 1/M601.
- 23 DUCT THRU ROOF. SEE DETAIL 2/M601.
- 24 SOUND BOOT AT RETURN AIR GRILLE (TYP); SEE DETAIL 7/M601.

SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES
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NO.	DATE	DESCRIPTION
1	2/20/26	Addendum 1

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
MECHANICAL PLAN ADMIN

SHEET NUMBER

M101

RETURN TO INDEX

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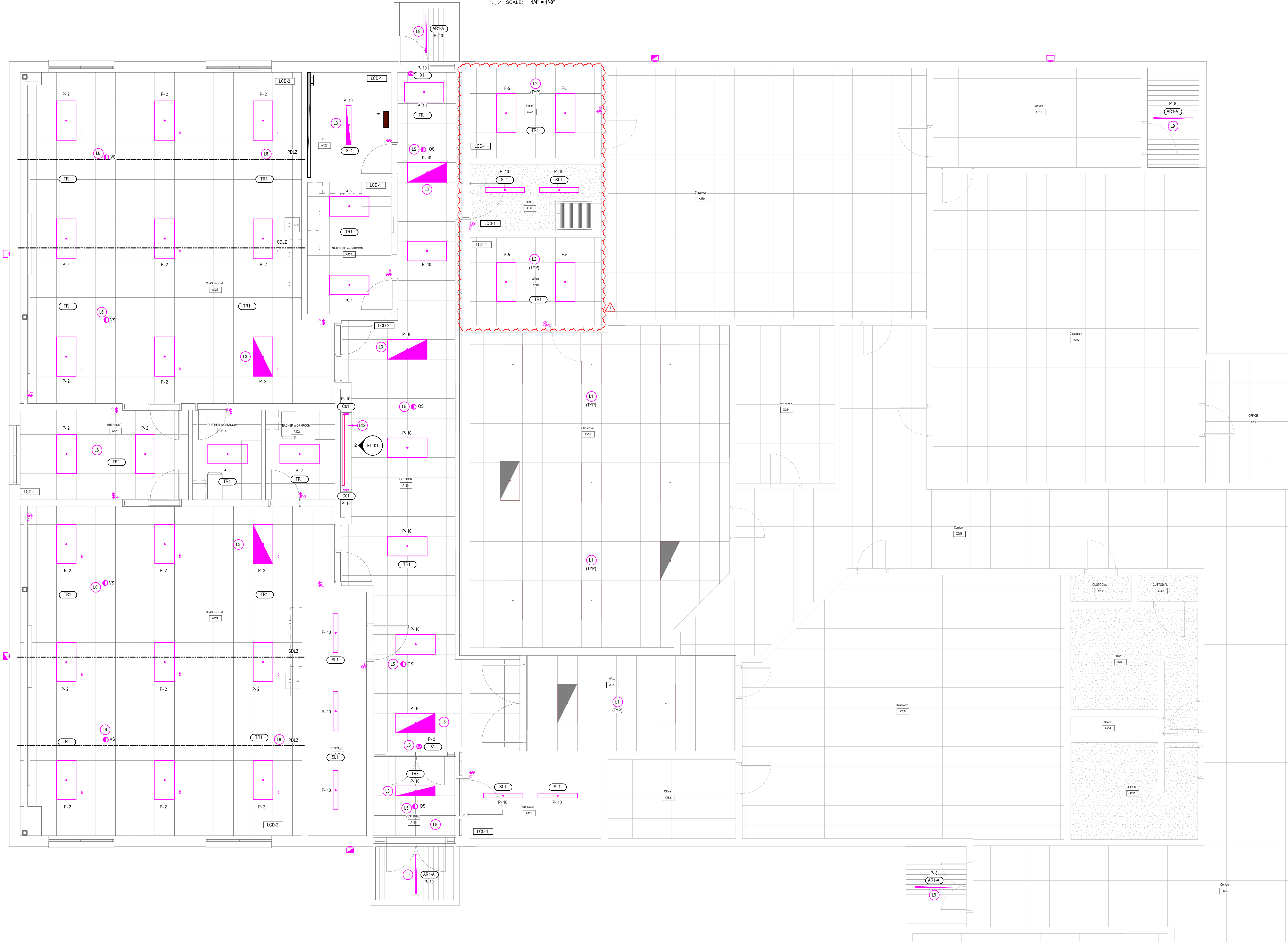
A

B

C

D

E



**PARTIAL LIGHTING PLAN - CLASSROOM
BID ALTERNATE NO.1**
SCALE: 1/4" = 1'-0"

2 DISPLAY CASE ELEVATION VIEW
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. TIE 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.

- KEYED NOTES**
- 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. TIE 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.
 - L12 DISPLAY CASE LIGHT TO SWITCH WITH ADJACENT MAIN SPACE (CORRIDOR OR LOBBY).

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

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1	02/26/26	ADDENDUM NO. 01

ISSUE:
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME:
**CLASSROOM
ADDITION
LIGHTING PLAN -
BID ALT 1**

SHEET NUMBER

EL101

RETURN TO INDEX

1. NO EXPOSED COMMUNICATIONS CONDUIT ALLOWED IN BUILDING UNLESS APPROVED IN ADVANCED BY OWNER/ARCHITECT.
2. ALL TELECOMMUNICATIONS OUTLETS SHALL BE LABELED IN CONFORMANCE WITH TIA/EIA 606. CONDUIT SHALL BE PROVIDED AT BOTH THE OUTLET AND THE TERMINATING END IN THE COMMUNICATIONS RACK.
3. ALL DATA OUTLETS SHALL COMPLY WITH TIA/EIA 568.1-D, AND TIA/EIA 569-D, AND BE WIRED IN ACCORDANCE WITH TIA/EIA 568B-2.
4. ALL CONDUIT FOR TELECOMMUNICATIONS PURPOSES SHALL BE EMT AND SHALL BE SIZED PER ANSI/TIA/EIA 569-D. MINIMUM CONDUIT SIZE FOR COMMUNICATIONS CABLE SHALL BE 1" CONDUIT SHALL NOT BE FILLED TO GREATER THAN 50% OF ITS MAXIMUM CABLE CARRYING CAPACITY.
5. THE DIVISION 27 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL COMMUNICATIONS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF THE DEVICE LOCATIONS, CONDUIT, AND CABLE TRAY RUNS.
6. PROVIDE ASPECT 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 THE USER OR USER'S CONSULTANT.
9. PROVIDE LABELLED WALL MOUNTED CABINET AS NECESSARY FOR REMOTE TRS BASED UPON TOTAL RACK UNITS (RU) SPACE REQUIRED.
10. LIU = LIGHT ENTRANCE 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.

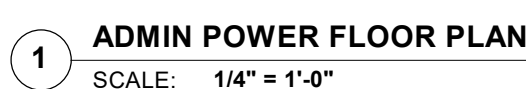
P2 TIE THE ADA REFER TO THE CIRCUIT SHOWN THROUGH THE CARD ACCESS SYSTEM REFER TO THE ACCESS CONTROL ROUGH-IN DETAILS FOR ADDITIONAL INFORMATION.

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 AT 6:00 AM OR AS OTHERWISE REQUIRED BY THE OWNER.

P4 COORDINATE INSTALLATION OF DEVICES, CONDUIT ROUTES AND STUB UP LOCATIONS IN MILLWORK WITH THE MILLWORK SUPPLIER AND THE ARCHITECT PRIOR TO ROUGH-IN.

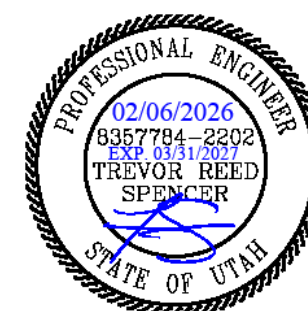
P5 WIRELESS ACCESS POINT DEVICE IS FURNISHED BY THE OWNER AND INSTALLED AND CONNECTED BY THE CONTRACTOR. PROVIDE BISCUT JACKS ABOVE THE CEILING AND (2) CAT6A CABLES. PROVIDE LABEL ON THE CEILING GRID WHERE BISCUT JACKS ARE INSTALLED.

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



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

ISSUE
CONSTRUCTION DOCUMENT

06 FEBRUARY 2026

QUEST NAME

ADMIN POWER

FLOOR PLAN

FLOOR PLAN

SHEET NUMBER

ED102

EP 102

RETURN TO INDEX

THE CONCLUSION

Autodesk Docs // 2023554 - SJSD School Projects (Blanding ES - MHS - ARL-MS - MCES - SJH)SJD ARL-MS Secure Vestibule_ELEC_V24_BIM360.rvt
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PANELBOARD SCHEDULE														
EXISTING PANEL: F										FEED FROM: MDP				
MOUNTING: SURFACE					VOLTAGE: 120/208 Wye					LOCATION: Space A216				
ENCLOSURE: NEMA 1					PHASE: 3					MAIN TYPE: LO				
DOOR TYPE: DOOR-IN-DOOR					WIRES: 4					MCB RATING: N/A				
					Min. A.I.C. RATING: 10K					BUS MATERIAL: COPPER				
BRANCH BREAKERS														
KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A	B	C	CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE
10	MAIN HALL NW & SPD CL LTG	20 A	1	L	1	486 VA	144 VA		2	L	1	20 A	MAIN HALL, NE CLASS & RR...	10
9	MAIN HALL & SE CLASS LTG	20 A	1	--	3		0 VA	0 VA	4	--	1	20 A	MAIN HALL NW & NE CLASS...	9
9	MAIN HALL NE CLASSRM LTG	20 A	1	--	5				6	--	2	20 A	NEW OUTLET SPD	9
9	MAIN HALL NE MID. CLASS LTG	20 A	1	--	7	0 VA	0 VA		8	--	--	--	--	9
9	MAIN HALL SE CLASSRM LTG	20 A	1	--	9		0 VA	0 VA	10	--	1	15 A	MAIN HALL SW CLASS LTG	9
9	MAIN HALL SE CLASSRM LTG	20 A	1	--	11				12	--	1	15 A	MAIN HALL SO MID CLASS LTG	9
9	EXISTING BRANCH CIRCUIT	40 A	2	--	13	0 VA	0 VA		14	--	1	15 A	MAIN HALL SO MID CLASS LTG	9
--	--	--	--	--	15		0 VA	0 VA	16	--	1	15 A	MAIN HALL SE CLASS LTG	9
9	MAIN HALL CLASSRM LTG	15 A	1	--	17				18	--	1	15 A	MAIN HALL CLASS LTG	9
9	FRONT HALL LTG	20 A	1	--	19	0 VA	0 VA		20	--	1	20 A	TIME CLOCK IN JANITOR ROOM	9
9	BOYS RESTROOM HAND...	20 A	1	--	21		0 VA	0 VA	22	--	1	20 A	BOYS RESTROOM LTG	9
9	JANITOR CL & GLRS RR LTG	20 A	1	--	23				24	--	1	20 A	MAIN HALL LTG	9
9	MAIN HALL NW CLASS CO	20 A	1	--	25	0 VA	0 VA		26	--	1	20 A	NORTH HALL & CLASS LTG	9
9	MAIN HALL SO. MID CLASS CO	20 A	1	--	27		0 VA	0 VA	28	--	2	20 A	PLUG MILL	9
9	JANITOR & BATHRM CO	20 A	1	--	29				30	--	--	--	--	9
10	RANGE HOOD SPD. WORKR...	20 A	1	K	31	500 VA	1200 VA		32	K	1	20 A	REF. SPD WORKROOM A114	1,8
1,8	CO SPD WORKRM WASHER	20 A	1	K	33		1500 VA	1500 VA	34	K	1	20 A	MICRO. SPD WORKROOM...	1,8
9	KILN	60 A	2	--	35				36	E; CO	1	20 A	CO WORKROOM A114	10
--	--	--	--	--	37	0 VA	4000 VA		38	K	2	50 A	RANGE SPD WORKROOM...	1,8
1	CO SPD WROKRM DRYER	40 A	2	K	39		2500 VA	4000 VA	40	--	--	--	--	1,8
--	--	--	--	--	41				42	E	1	20 A	EWV VESTIBULE	1,8
TOTAL CONNECTED LOAD PER PHASE (VA)						6330 VA	9500 VA	4360 VA						
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						55 A	82 A	36 A						
PANEL TOTALS														
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS						
EQUIPMENT		960 VA		100.00%		960 VA		Total Conn. Load: 20190 VA						
KITCHEN		17700 VA		65.00%		11505 VA		25% OF LARGEST MOTOR:						
LIGHTING		144 VA		125.00%		180 VA		Total Est. Demand: 14153 VA						
CO		900 VA		100.00%		900 VA		Total Conn. Current: 56 A						
LTG		486 VA		125.00%		608 VA		Total Est. Demand Current: 39 A						

PANELBOARD SCHEDULE															
EXISTING PANEL: SA								LOCATION: Mechanical X112				FEED FROM: MDP			
MOUNTING: SURFACE				VOLTAGE: 120/208 Wye				MAIN TYPE: MLO				SPD: NONE			
ENCLOSURE: NEMA 1				PHASE: 3				BUS RATING: 225 A				NEUTRAL RATING: 100%			
DOOR TYPE: DOOR-IN-DOOR				WIRES: 4				MCB RATING: N/A				ISOLATED GROUND:			
				Min. A.I.C. RATING: 10K				BUS MATERIAL: COPPER							
BRANCH BREAKERS															
KEYED NOTE	CIRCUIT DESCRIPTION	AMP	POLE	LOAD TYPE	CKT #	A	B	C	CKT #	LOAD TYPE	POLE	AMP	CIRCUIT DESCRIPTION	KEYED NOTE	
10	CO RECEPT A102 & LOBBY A100	20 A	1	CO	1	900 VA	0 VA		2	--	1	20 A	COMPUTER LAB CO	9	
10	CO COUNTER RECEPTION...	20 A	1	CO	3		720 VA	0 VA	4	--	1	20 A	COMPUTER LAB CO	9	
10	CO COUNTER RECEPTION...	20 A	1	CO	5			720 VA	0 VA	6	--	1	20 A	COMPUTER LAB CO	9
10	CO DISPLAY CONF. & MATH RM	20 A	1	CO	7	680 VA	0 VA		8	--	1	20 A	COMPUTER LAB CO	9	
10	CO NURSE. CONF. & W/C	20 A	1	CO	9		1080 VA	0 VA	10	--	1	20 A	COMPUTER LAB CO	9	
9	MATH RM CO & PROJ.	20 A	1	--	11			0 VA	0 VA	12	--	1	20 A	LIBRARY CO (ENTRY)	9
9	LIBRARY CO AND MATH RM CO	20 A	1	--	13	0 VA	0 VA		14	--	1	20 A	TEACHER PREP CO	9	
9	LIBRARY CO - COUNTER AREA	20 A	1	--	15		0 VA	0 VA	16	--	1	20 A	TEACHER PREP CO	9	
9	TEACHERS PREP & LIBRARY CO	20 A	1	--	17			0 VA	0 VA	18	--	1	20 A	TEACHER PREP & LOUNGE CO	9
10	CO WORKRM. RM A116 & ELEC	20 A	1	CO...	19	1760 VA	0 VA		20	--	1	20 A	HANDI DOOR 118	9	
10	CO SPD A112	20 A	1	CO...	21		900 VA	720 VA	22	CO	1	20 A	CO OFFICE A105	10	
9	COMPUTER LAB LTG	20 A	1	--	23			0 VA	0 VA	24	--	1	20 A	COMPUTER LAB CO	9
10	FLOOR BOX CONF. A109	20 A	1	CO	25	180 VA	0 VA		26	--	3	30 A	EXISTING BRANCH CIRCUIT	9	
10	CO CONF. A109 FRIDGE	20 A	1	K	27		1200 VA	0 VA	28	--	--	--	--	--	
10	CO OFFICE A104	20 A	1	E; CO	29			1080 VA	0 VA	30	--	--	--	--	
9	EXISTING BRANCH	20 A	1	--	31	0 VA	1080 VA		32	E; CO	1	20 A	CO PRINCIPAL A106	10	
9	VAV TRANS	20 A	1	--	33		0 VA	1080 VA	34	E; CO	1	20 A	CO OFFICE A107	10	
9	POTTERY WHEEL	20 A	2	--	35			0 VA	36	SM	1	20 A	LFT-1 AND WY-1	10	
--	--	--	--	--	37	0 VA	1500 VA		38	E	1	20 A	CO RECEPTION COPIER	10	
8	ACCESS CONTROL PANEL	20 A	1	E	39	660 VA	540 VA		40	M; CO	1	20 A	CO DISPLAY VESTIBULE A100	8	
8	CO CORRIDOR DISPLAY	20 A	1	CO	41		500 VA	0 VA	42	M	1	20 A	ADA OPERATOR ADMIN AREA	8	
TOTAL CONNECTED LOAD PER PHASE (VA)						5400 VA	7200 VA	3996 VA							
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						54 A	63 A	33 A							
PANEL TOTALS															
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND									
EQUIPMENT		4620 VA		100.00%		4620 VA		Total Conn. Load: 17245 VA							
EXHAUST FAN		131 VA		108.97%		143 VA		25% OF LARGEST MOTOR:							
KITCHEN		1200 VA		100.00%		1200 VA		Total Est. Demand: 17678 VA							
LIGHTING		54 VA		125.00%		68 VA		Total Conn. Current: 48 A							
Motor		0 VA		0.00%		0 VA		Total Est. Demand Current: 49 A							
RECEPTACLE		2340 VA		100.00%		2340 VA									
SMALL MOTOR		360 VA		112.50%		405 VA									
CO		7080 VA		100.00%		7080 VA									
LTG		1458 VA		125.00%		1823 VA									

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



- KEYED NOTES**
- Y1 EXISTING FIRE ALARM DEVICE SHALL REMAIN. MAKE ANY MODIFICATIONS REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.
- Y2 PROVIDE CARBON MONOXIDE DETECTOR. LOCATE PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE BLUE STROBE FOR ANNUNCIATION OF CARBON MONOXIDE DETECTION IN RECEPTION AREA. COORDINATE LOCATION WITH FIRE ALARM SUPPLIER PRIOR TO ROUGH-IN.
- Y3 PROVIDE ALL NECESSARY CONTACT RELAYS TO DISABLE POWER TO THE ADA OPERATOR AT THIS LOCATION. THE ACCESS CONTROL SYSTEM SHALL CONTROL THE POWER TO THE ADA DOOR OPERATOR SUCH THAT WHEN THE DOOR IS SECURE, POWER IS DISABLED TO THE ADA OPERATOR.
- Y4 RELEASE OF THIS DOOR SHALL BE ACTUATED VIA AN INPUT FROM THE DESK PUSH BUTTON.
- Y5 PROVIDE AXIS A8105-E NETWORK VIDEO DOOR STATION. EXTEND A CAT6 CABLE WITH YELLOW JACKET FROM THE DOOR STATION TO THE DATA RACK. TERMINATE CABLE IN THE CCTV PATCH PANEL. MOUNT AT 60" TO THE BOTTOM OF THE DEVICE, UNLESS OTHERWISE DIRECTED BY THE OWNER. CONFIRM PROGRAMMING AND OPERATION WITH THE OWNER.
- Y8 INSTALL OWNER FURNISHED CAMERA IN THE APPROXIMATE LOCATION SHOWN. PROVIDE DATA DROP AND EXTEND CAT6 CABLE BACK TO THE NEAREST DATA ROOM. COORDINATE LOCATION AND HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
- Y12 PROVIDE CARD ACCESS SYSTEM DEVICES AND TIE TO THE NEW CARD ACCESS SYSTEM. REFER TO EY102 AND THE REFERENCED DETAILS, CARD ACCESS SPECIFICATION, DOOR HARDWARE SCHEDULE, AND DOOR HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.

- SYSTEMS GENERAL NOTES:**
1. COORDINATE ALL WALL MOUNTED LOCATIONS WITH THE ARCHITECT.
2. DO NOT LOCATE ANY FIRE ALARM DEVICES BEHIND DOORS OR SHELVING. REFER TO THE ARCHITECTURAL DRAWINGS FOR SHELVING LOCATIONS.
3. THE DIVISION 28 CONTRACTOR SHALL DETERMINE THE EXACT ROUTING OF ALL CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS, AND CONDUIT RUNS.
4. ALL CONDUITS THAT TERMINATE ABOVE THE CEILING SHALL TERMINATE WITH NYLON BUSHING.
5. CONTRACTOR SHALL COORDINATE ALL CEILING MOUNTED DEVICES WITH THE LIGHTING PLANS. RELOCATE DEVICES AS NECESSARY. RELOCATED DEVICES SHALL COMPLY WITH ALL NFPA SPACING REQUIREMENTS.
6. ALL FIRE ALARM DEVICE LOCATIONS, EQUIPMENT LOCATIONS, RISER DIAGRAM, ETC., ARE SCHEMATIC IN NATURE AND ARE SHOWN TO PROVIDE INTENT OF THE FIRE ALARM SYSTEM TO BE PROVIDED. FIRE ALARM SYSTEM SUPPLIER SHALL PROVIDE BID AND SHOP DRAWINGS THAT INCLUDE A FULL CODE COMPLIANT DESIGN INCLUDING ALL NOTIFICATION AND INITIATION DEVICES REQUIRED WHETHER SHOWN OR NOT.



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

BOOK:
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME:
ADMIN SYSTEMS
PLAN

SHEET NUMBER:
EY102

RETURN TO INDEX

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



[RETURN TO INDEX](#)

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

INTERCOM - EQUIPMENT LIST						
SYMBOL	DESCRIPTION	QTY/RM	SUPPLIER	MODEL	ROUGH-IN	CABLE
CONSOLE	INTERCOM CONSOLE, REINSTALL EXISTING CONSOLE FROM PRIOR OFFICE AREA	EXISTING	AUDIO ENHANCEMENT	EXISTING		CATEGORY 6 PATCH CABLE
S	INTERCOM SPEAKER, DROP TILE, 1X2	0FP	ATLAS SOUND	DT12 SYSTEM 100RS		WEST PENN 25225B
C	SPEAKER, INTERCOM, RECESSED, W/ BAFFLE, BACKBOX, AND TSBR BRIDGE KIT	0FP	ATLAS IED	CS85-8 81-8R		WEST PENN 25225B
SM	SPEAKER, INTERCOM, SURFACE MOUNT, W/ BACK BOX	0FP	ATLAS IED	0428-SA FA1387 INCLUDED W/ BACK BOX	BACK BOX, AND 3/4" C TO VOLUME CONTROL	WEST PENN 25225B
V	VOLUME CONTROL, OFFICE	0FP	ATLAS IED	AT-10	4-11/16" SQUARE BOX, W/ SINGLE GANG MUD RING, 3/4" C TO ACCESS PANELS	WEST PENN 25225B
WP	INTERCOM SPEAKER, EXTERIOR, RECESSED HORN	0FP	ATLAS SOUND	VT151UCN MR EXTENSION RING	4-11/16" SQ 2-1/8" DEEP BOX, 3/4" C THROUGHOUT	WEST PENN 25225B
	AMPLIFIER, 2 CH, 70V 80 WICH	0FP	JBL	CSA 280 Z	FP MOUNTING PLATE	WEST PENN 25225B
	ZONE PAGING MODULE	0FP	AUDIO ENHANCEMENT	MS-300	INSALL IN RACK	WEST PENN 25225B

3 PARTIAL INTERCOM FLOOR PLAN - COUNSELING
SCALE: 1/4" = 1'-0"

2 INTERCOM RISER, PARTIAL
SCALE: 1/2" = 1'-0"

INTERCOM GENERAL NOTES:

- RUN 1 CAT6 CABLE WITH CONDUIT FROM THE INTERCOM MAIN CONTROLLER TO THE DIGITAL TELEPHONE HEADEND EQUIPMENT. PROGRAM THE OWNER SUPPLIED TELEPHONE SYSTEM SO THAT A DIGITAL TELEPHONE CAN PERFORM THE CALL CLASSROOM INTERCOM SYSTEM & PAGING FUNCTIONS OF AN INTERCOM CONSOLE.
- WIRE ALL VOLUME CONTROLS SO THEY CONTROL ONLY SINGLE SPEAKER.
- INTERCOM SYSTEM RISER DIAGRAMS, LAYOUTS, AND EQUIPMENT LISTS ARE BASED ON SIGNAL FLOWS OF AUDIO ENHANCEMENT EQUIPMENT. IF APPROVED ALTERNATE EQUIPMENT IS CHOSEN, LAYOUTS AND DIAGRAMS MAY BE DIFFERENT THAN THOSE SHOWN ON DRAWINGS. ADDITIONAL BOXES, PLATES, CABLES, RACK SPACES, AND POWER OUTLETS MAY BE REQUIRED AS DETERMINED BY THE INTEGRATOR WHO CHOOSES THE ALTERNATE EQUIPMENT. ALTERNATE EQUIPMENT INTEGRATOR SHALL BE RESPONSIBLE TO COORDINATE ALL CHANGES REQUIRED BY ALTERNATE EQUIPMENT TO ENSURE TURN-KEY SYSTEM WITH SIMILAR FUNCTIONALITY TO THAT SPECIFIED.
- PROGRAM AND INSTALL REQUIRED RELAY CABLES AND CONDUITS BETWEEN THE ACCESS CONTROL SYSTEM AND THE INTERCOM SYSTEM AS DESIRED BY OWNER. PROGRAM THE INTERCOM SYSTEM SO THAT THE SYSTEM MAY TRIGGER ACCESS CONTROL SYSTEM WHEN RELAYS ARE ENERGIZED OR DE-ENERGIZED.
- AV SYSTEMS INTEGRATORS WHO WISH TO BID ON THIS PROJECT MUST BE TRAINED AND CERTIFIED BY CLASSROOM VOICE LIFT SYSTEM MANUFACTURER SPECIFIED FOR THIS PROJECT.
- 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 EXPOSED INTERCOM DEVICES INCLUDING INPUT & OUTPUT PLATES, VOLUME CONTROLS, SWITCHES, SPEAKERS, AND SPEAKER ENCLOSURES SHALL BE REVIEWED BY OWNER PRIOR TO ORDERING.
- CLASSROOM AMPLIFIERS MAY BE LOCATED ON WALL, CEILINGS, OR IN MILLWORK CABINETS. REFER TO PLANS FOR SPECIFIC DEVICE LOCATIONS.

KEYED NOTES

- CONNECT TO EXISTING OFFICE ZONE CONTROLLER IN MDF ROOM.
- CONNECT TO EXISTING COMMONS AREA PAGING FEED.
- RUN SPEAKER CABLE TO NEAREST VOLUME CONTROL IN THIS ZONE, AND SLICE IN VOLUME CONTROL BOX.

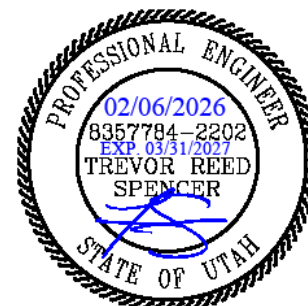
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1	02/26/25	ADDENDUM NO. 01

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EI101

RETURN TO INDEX