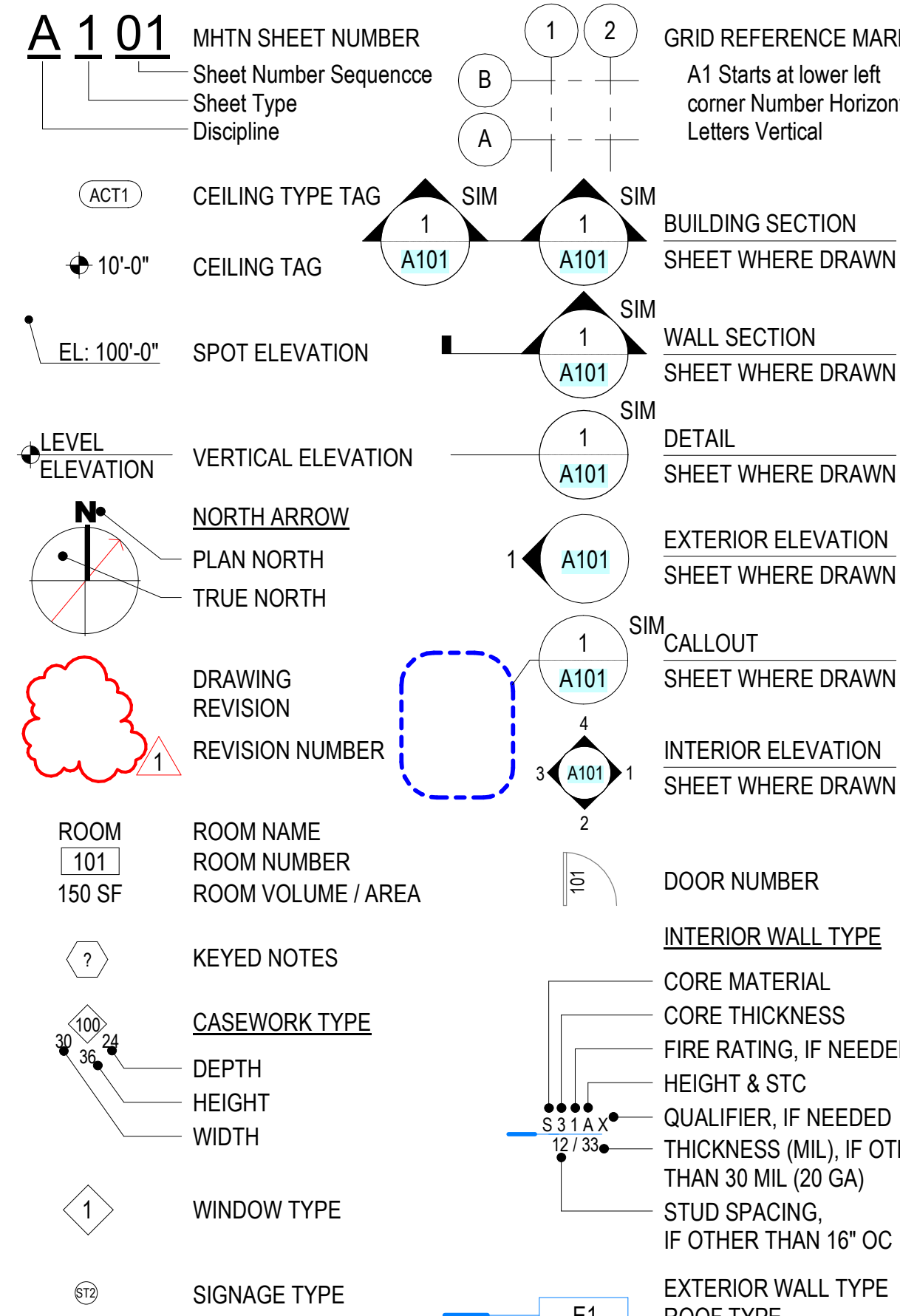


ABBREVIATIONS

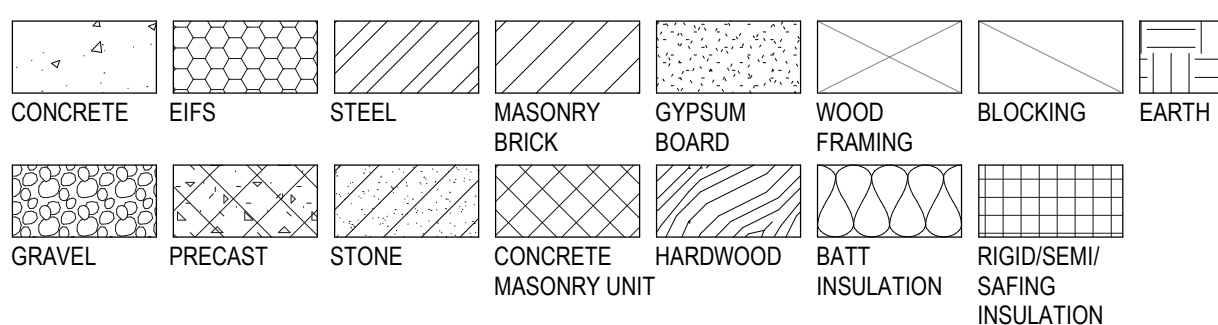
AC	AIR CONDITIONING	KD	KNOCK DOWN
AFF	ABOVE FINISH FLOOR	LAB	LABORATORY
ALT	ALTERNATE	LAV	LAVATORY
ALUM	ALUMINUM	MAINT	MAINTENANCE
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCH	ARCHITECTURAL	MECH	MECHANICAL
BD	BOARD	MEZZ	MEZZANINE
BLDG	BUILDING	MFR	MANUFACTURER
BLKG	BLOCKING	MH	MANHOLE
BO	BOTTOM OF	MIN	MINIMUM
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
CFDI	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	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CLR	CLEAR	OH	OVERHEAD
CMU	CONCRETE MASONRY UNIT	OH DR	OVERHEAD DOOR
CO	CLEANOUT, CLEAR OPENING	OPP	OPPOSITE
COL	COLUMN	PERP	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 EXTINGUISHER CABINET	TOW	TOP OF WALL
FIN	FINISH	TYP	TYPICAL
FIN FLR	FINISH FLOOR	UNO	UNLESS NOTED OTHERWISE
FLR	FLOOR	VCT	VINYL COMPOSITION TILE
FT	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	XMFR	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 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:	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
- 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.

- Vestibule A118
- Storage A119
- Corridor A120
- Classroom A121
- Teacher Workroom A122
- Breakout A123
- Classroom A124
- Teacher Workroom A125
- Satellite Workroom A126
- Storage A127
- IDF A128
- Hall A129
- 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	A340	ROOF DETAILS
G100	CODE ANALYSIS AND BUILDING AREA PLAN	A410	INTERIOR ELEVATIONS
G101	CODE ANALYSIS AND LIFE SAFETY PLAN	A411	INTERIOR ELEVATIONS
G200	MOUNTING HEIGHTS & CLEARANCES	A430	CASEWORK DETAILS
G201	MOUNTING HEIGHTS & CLEARANCES	A600	DOOR SCHEDULE & DETAILS
G300	EXTERIOR WALL, INTERIOR WALL, FLOOR AND ROOF TYPES	A620	WINDOW TYPES & DETAILS
		A640	FINISH SCHEDULE

CIVIL

CG001	EXISTING AND DEMOLITION PLAN	A651	CLASSROOM FLOOR FINISH PLAN
CG002	EROSION CONTROL PLAN	A652	ADMIN PARTIAL FLOOR FINISH PLAN
CG101	GRADING PLAN	A653	COUNSELING PARTIAL FLOOR FINISH PLAN
CG102	GRADING PLAN	A660	WALL PATTERNS AND DETAILS
CG500	GENERAL NOTES AND EROSION CONTROL DETAILS	A700	OVERALL REFLECTED CEILING PLAN
CP101	PAVING PLAN	A701	ADMIN REFLECTED CEILING PLANS
CP102	PAINTING AND SIGNAGE PLAN	A702	COUNSELING REFLECTED CEILING PLANS
CP501	SITE DETAILS	A703	CLASSROOM REFLECTED CEILING PLANS - BID ALT 1
CU101	UTILITY PLAN	A710	CEILING DETAILS
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: 435.381.2523



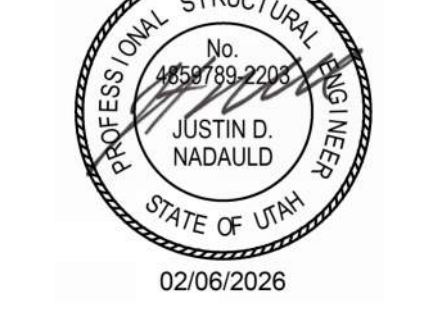
LANDSCAPE

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



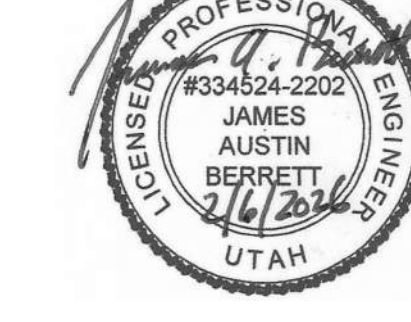
STRUCTURAL

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



MECHANICAL

OLSEN & PETERSON
CONSULTING ENGINEERING
14 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.

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.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
www.mhtn.com

SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

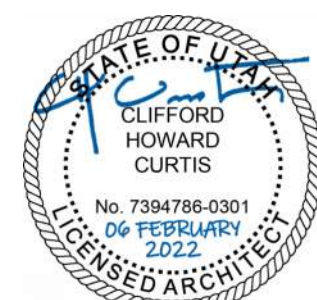
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SEAL



MHTN PROJECT NO: 20223554-01

VIEW AND PRINT THIS DRAWING IN COLOR

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

ISSUED:

NO.	DATE	DESCRIPTION

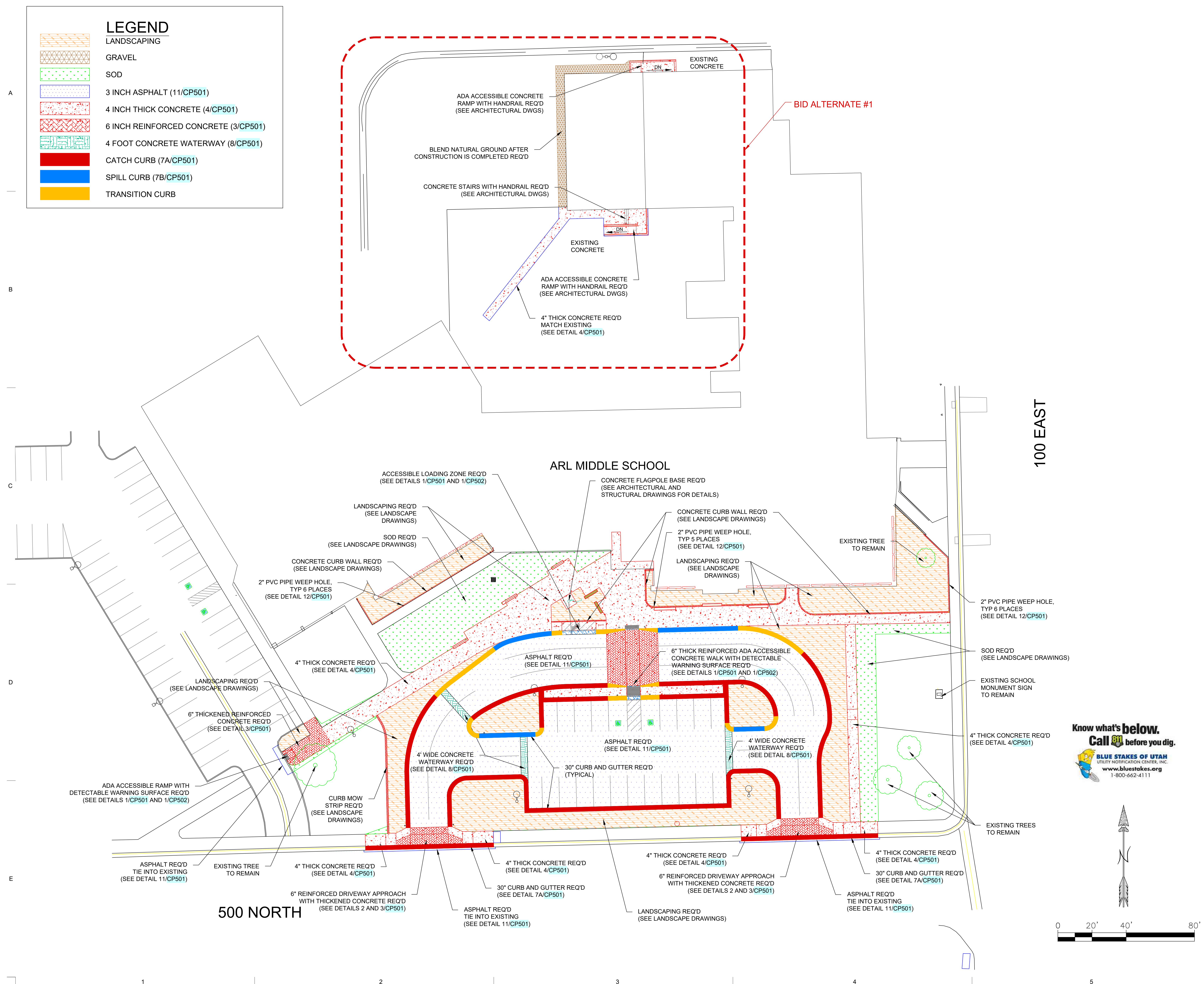
REVISIONS:

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

Diagram illustrating the calculation of travel distance for a fire alarm pull station:

- AREA USE:** A-3, 38, 150 SF, 7 NSF
- OCCUPANCY GROUP:** A-3
- OCCUPANT LOAD:** 38
- OCCUPANT LOAD FACTOR GROSS: GSF NET: NSF:** 150 SF, 7 NSF
- SQUARE FOOTAGE:** 150 SF
- COMMON PATH OF TRAVEL:** 75 FT
- TRAVEL DISTANCE:** 75 FT
- DEAD END:** 20 FT

RETURN TO INDEX



P.O. Box 487, Castle Dale, UT 84513
(435) 381-2523 Fax (435) 381-2522
e-mail jt@etv.net, jandtengineering.com



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ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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TN PROJECT NO. 2023554.01

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VISIONS
 CONTRACTOR TO VERIFY DIMENSIONS IN FIELD USE RED LOG

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

DATE	DESCRIPTION
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1 880

CONSTRUCTION DOCUMENTS

6 FEBRUARY 2026

FILE NAME

DRAWING

PAVING

PLAN

PLAIN

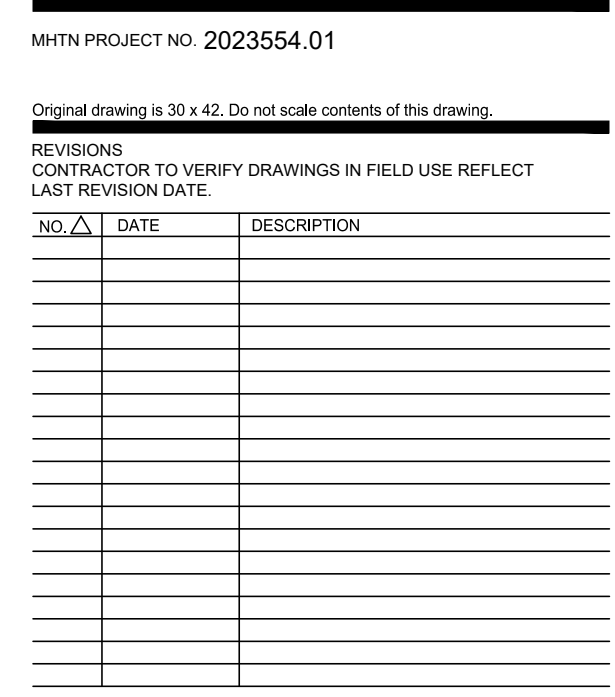
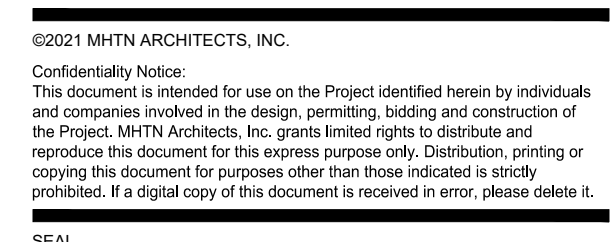
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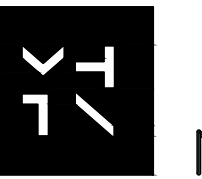
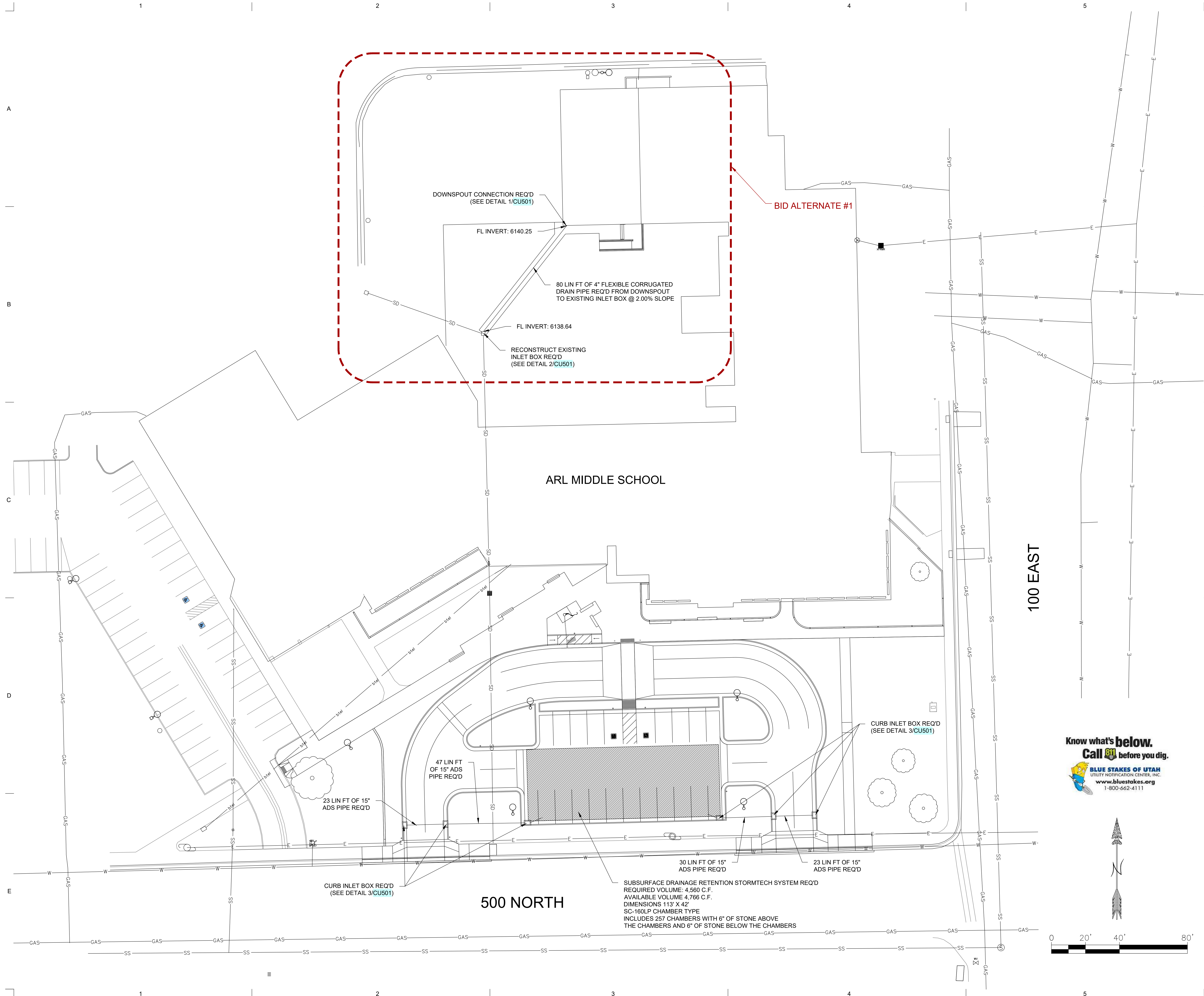
CD101

P101

51 101

[RETURN TO INDEX](#)





MHTN
ARCHITECTS
MHTN Architects, Inc.
880 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
www.mhtn.com



P.O. Box 487, Castle Dale, UT 84513
(435) 381-2523 Fax (435) 381-2522
e-mail jt@etv.net, jandtengineering.com



**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
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LAST REVISION DATE.

Q.Δ	DATE	DESCRIPTION

Figure 1 shows a schematic diagram of a 1D lattice. It consists of two parallel horizontal lines. The top line has two points marked with dots and labeled 'a' and 'b' from left to right. The bottom line has two points marked with dots and labeled 'c' and 'd' from left to right. Vertical lines connect the points 'a' to 'c' and 'b' to 'd'. A horizontal line segment connects the two vertical lines between 'a' and 'b'.

CONSTRUCTION DOCUMENTS

6 FEBRUARY 2026

HEET NAME

UTILITY

PLAN

PLAN

SHEET NUMBER

01101

1101

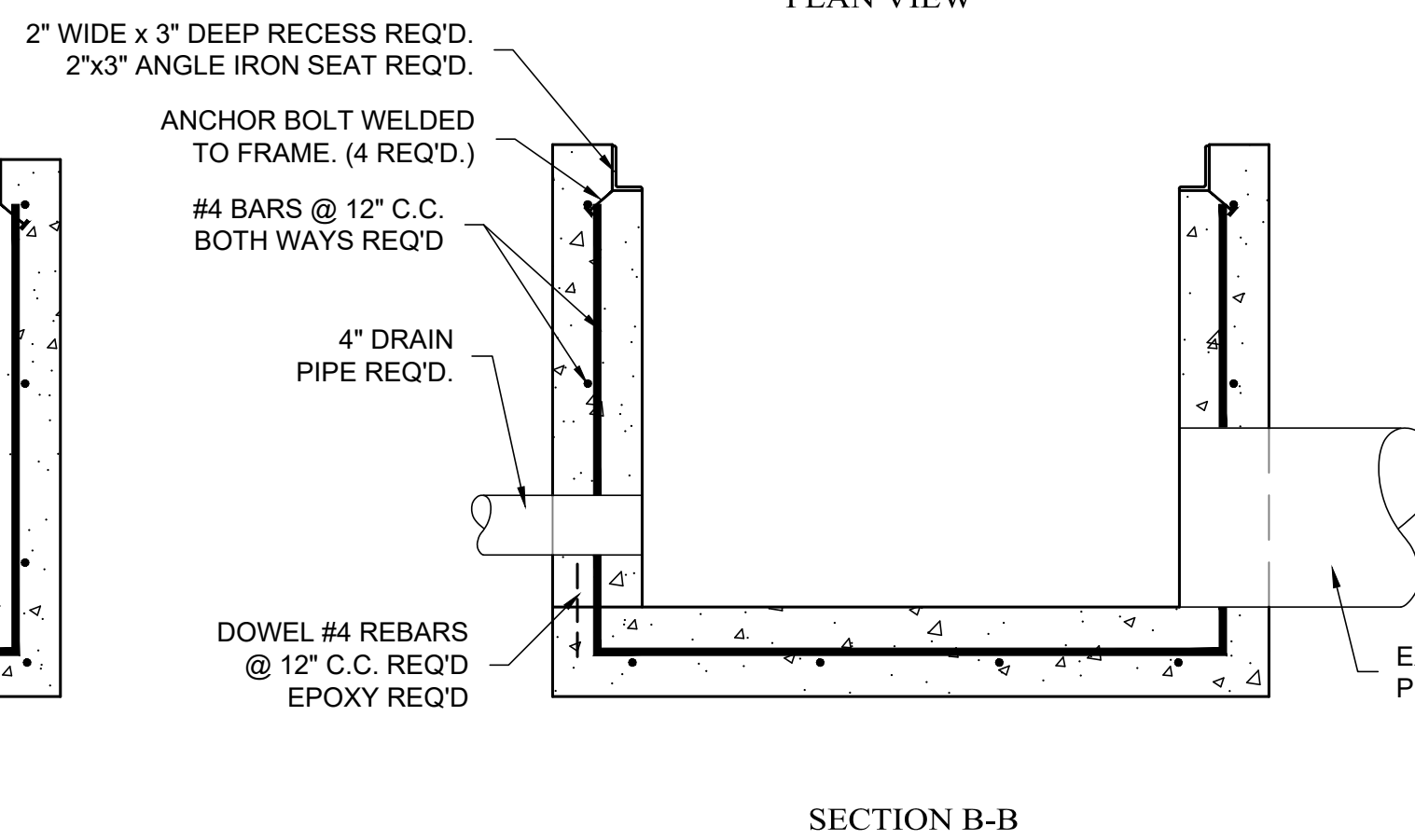
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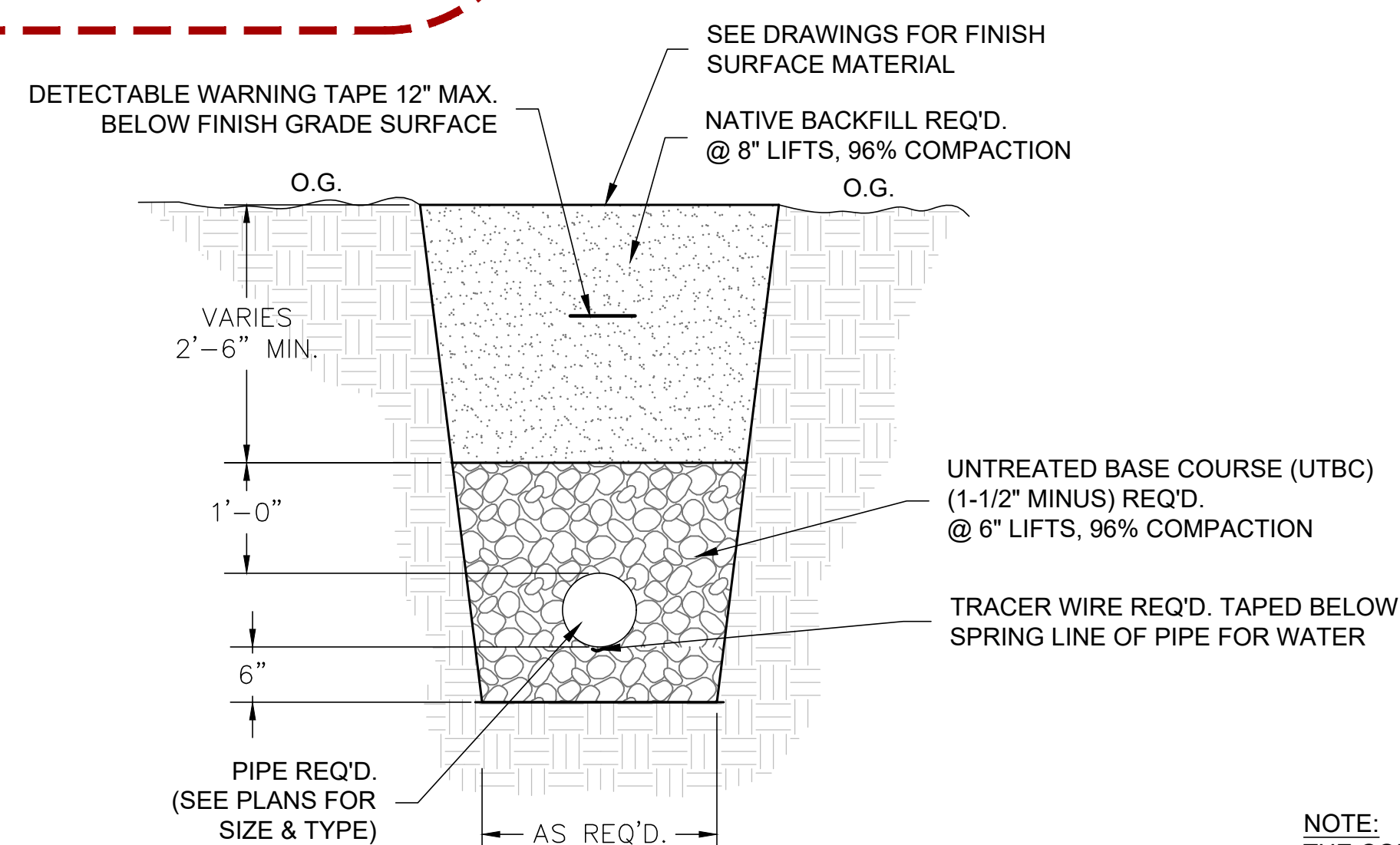
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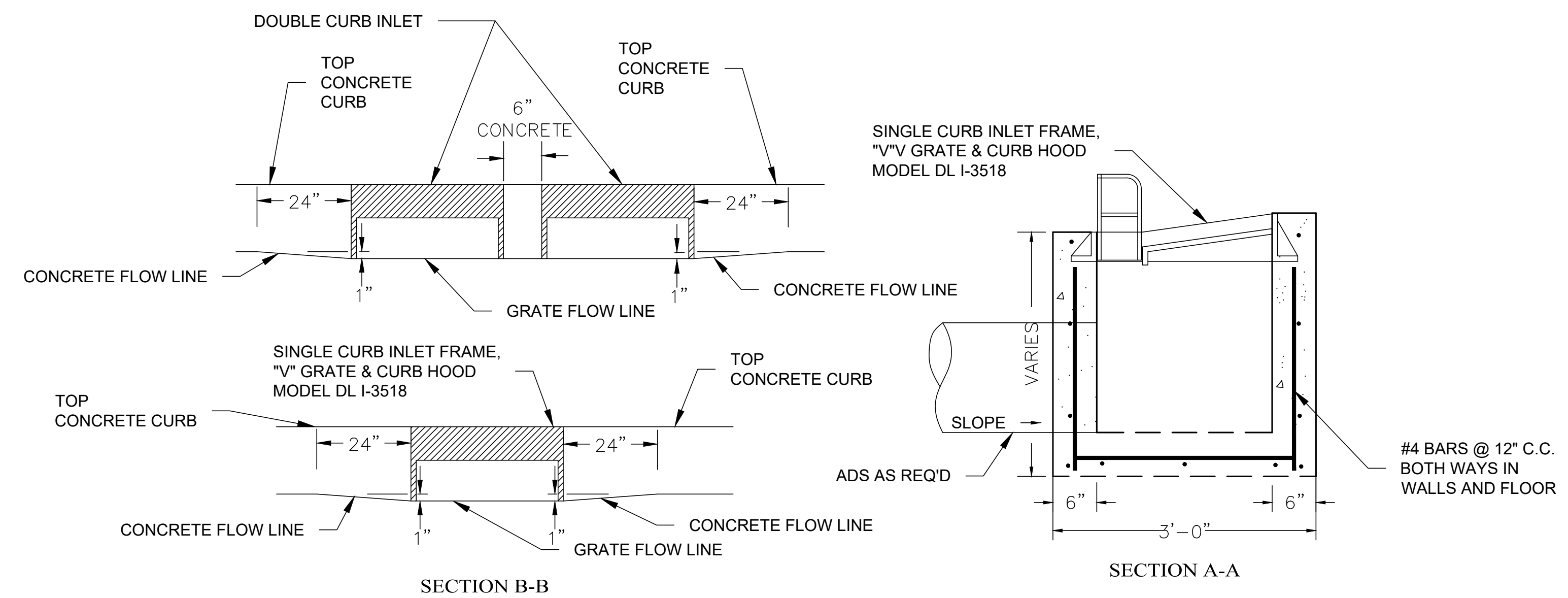
BID ALTERNATE #1



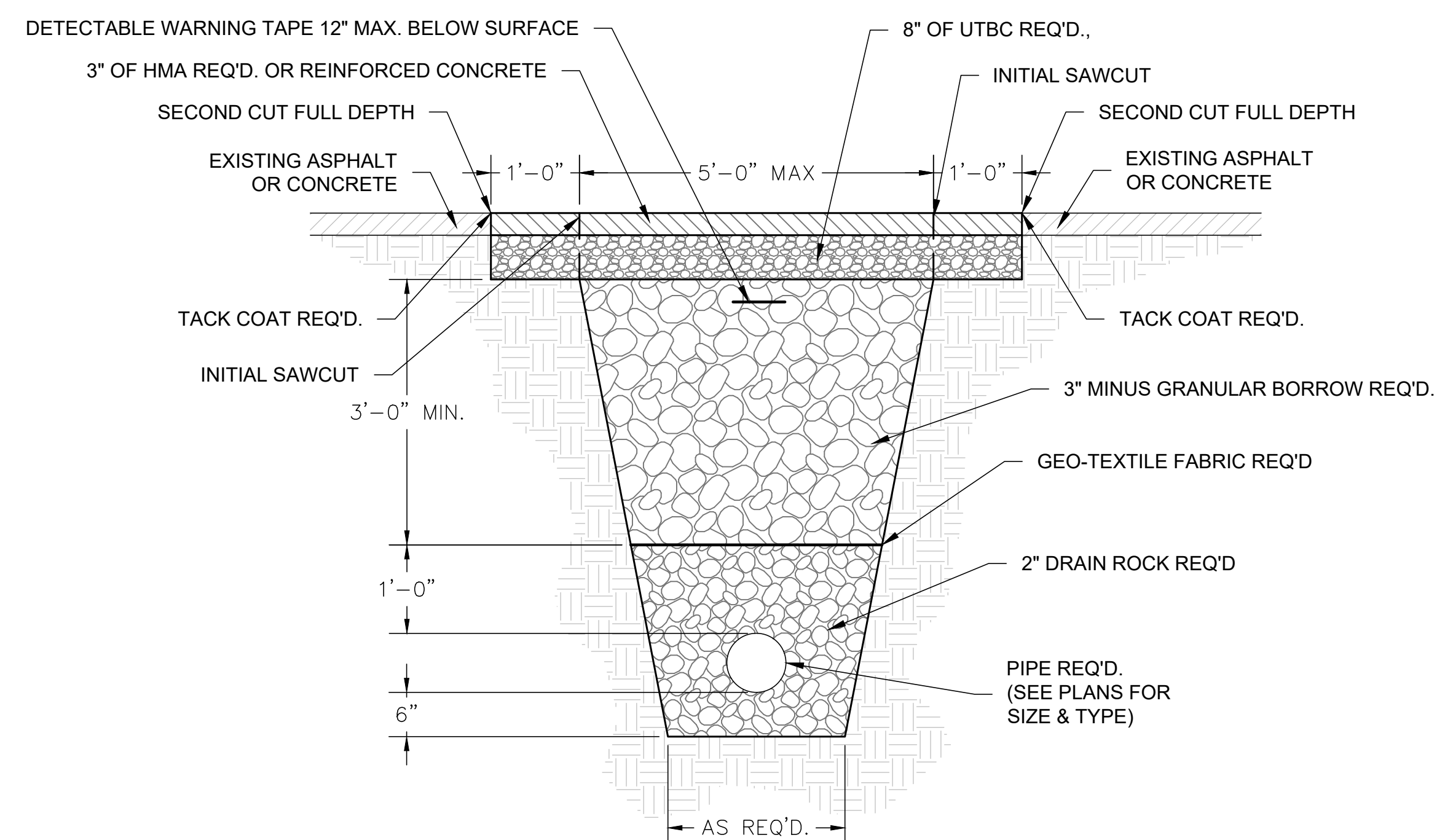
2 RECONSTRUCT INLET BOX



4 DRAIN LINE TRENCH UNPAVED AREA



3 CURB INLET BOX



5 DRAIN LINE TYPICAL TRENCH PAVED AREA

NOTE:
THE CONSTRUCTION SITE SHALL BE DEWATERED AND KEPT FREE OF STANDING WATER OR EXCESSIVELY MUDDY CONDITIONS AS NEEDED FOR PROPER EXECUTION OF THE CONSTRUCTION WORK. DEWATERING SHALL INCLUDE FURNISHING, INSTALLING, OPERATING AND MAINTAINING ALL EQUIPMENT INCLUDING PUMPS AS NEEDED.

SAN JUAN SCHOOL DISTRICT
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GEAL



MHTN PROJECT NO. 2023554.01

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REVISIONS
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LAST REVISION DATE.		
NO. Δ	DATE	DESCRIPTION

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ISSUE
CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

UTILITY DETAILS

OTHER DETAILS

SHEET NUMBER

Discussion

C1501

COSY I

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SEAL



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REVISIONS

ISSUE

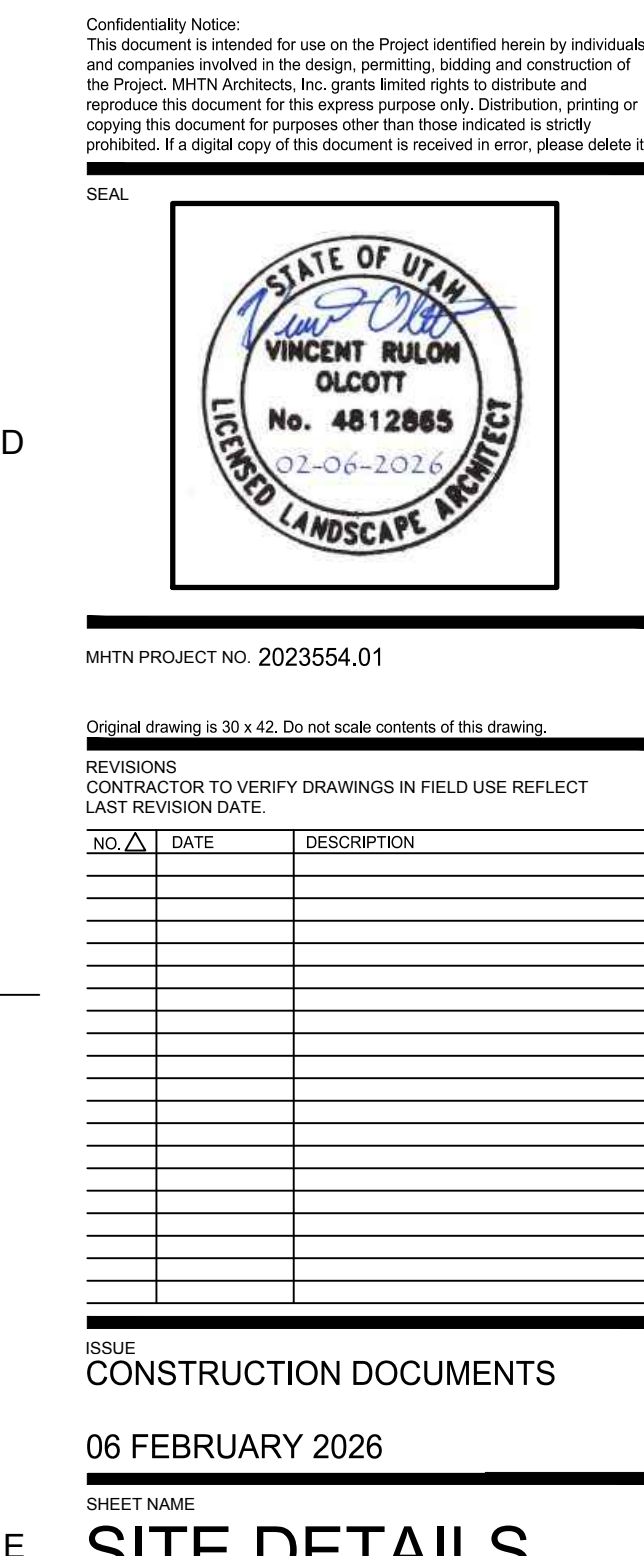
ISSUE
CONSTRUCTION DOCUMENTS

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SHEET NAME
BID ALTERNATE 1

SHEET NINE

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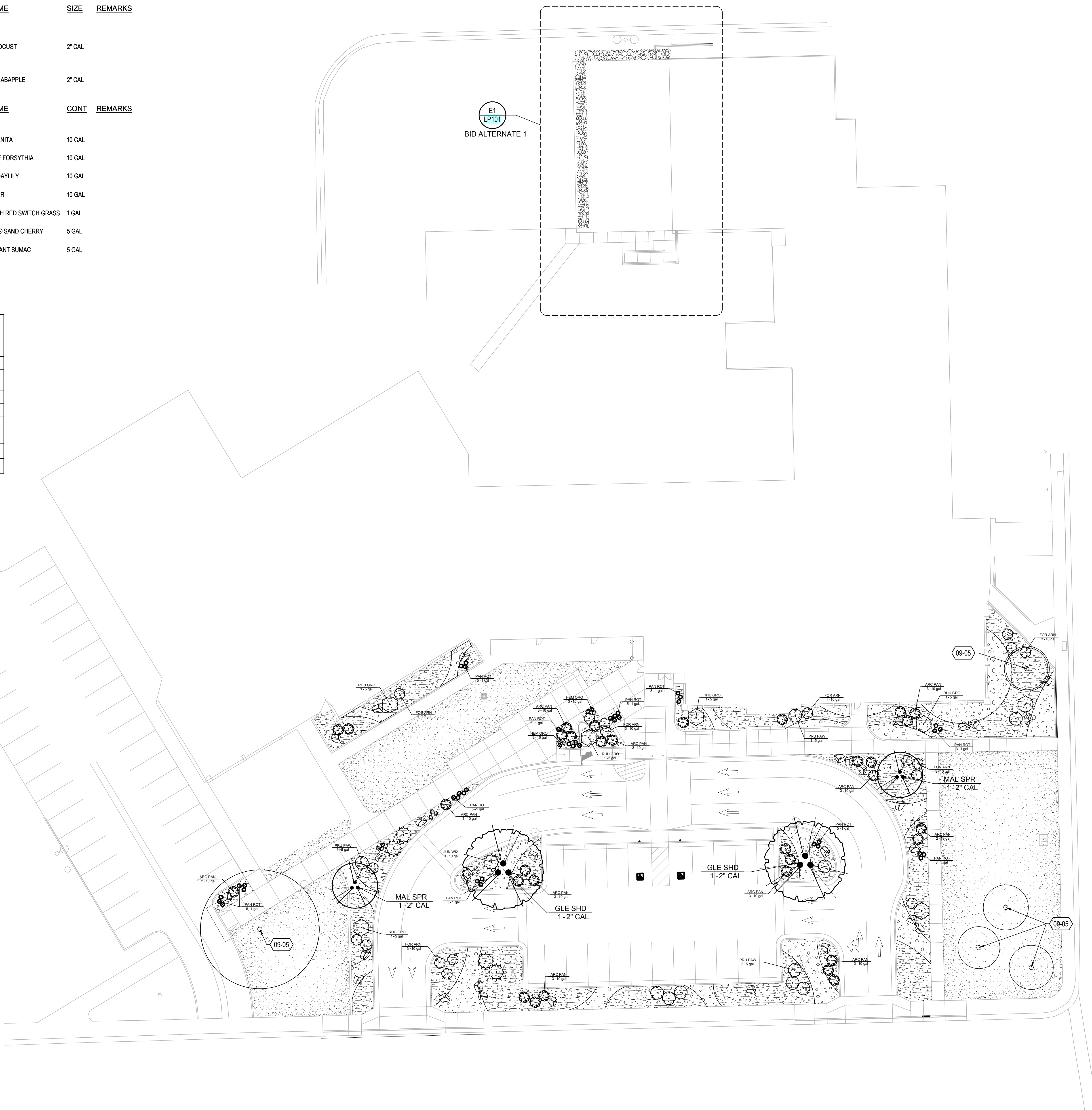
<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>REMARKS</u>
<u>TREES</u>					
	GLE SHD	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER'	SHADEMASTER LOCUST	2" CAL	
	MAL SPR	MALUS X 'SPRING SNOW'	SPRING SNOW CRABAPPLE	2" CAL	

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

SYMBOL	CODE	DESCRIPTION	DETAIL	SPECIFICATION
05 SITE FURNISHINGS				
	05-01	FLAG POLE	A1/AS500	107500
SYMBOL	CODE	DESCRIPTION	DETAIL	
09 LANDSCAPE AND IRRIGATION				
	09-02	ROCK MULCH		
	09-03	BARK MULCH		
	09-04	TURF SOD REPLACEMENT		
	09-05	EXISTING TREE - PROTECT IN PLACE		
	09-06	USE EXISTING GRAVEL OR MATCH EXISTING		

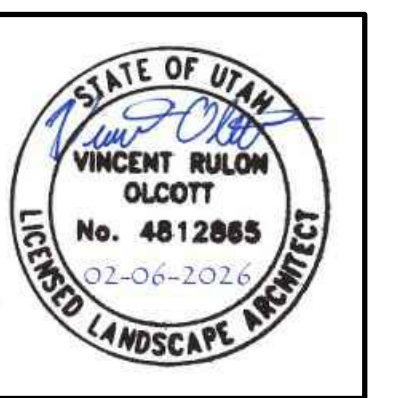
1. ALL PLANTS SHALL CONFORM TO THE MINIMUM STANDARDS OF HEIGHT, SIZE, CALIPER AND ETC. OF THE AMERICAN ASSOCIATIONS OF NURSERYMEN "AMERICAN STANDARDS FOR NURSERY STOCK".
2. THIS CONTRACTOR SHALL SPREAD TOPSOIL, TO A DEPTH OF 6" IN ALL LAWN PLANTING AREAS AND 12" IN ALL SHRUB AND PERENNIAL BEDS.
3. THIS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

00 OVERALL LANDSCAPE PLAN
1" = 20'



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

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TN PROJECT NO. 2023554.01

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CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

ST REVISION DATE.

DATE	DESCRIPTION

CONSTRUCTION DOCUMENTS

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SHEET NAME

OVERALL

LANDSCAPE PLAN

LANDSCAPE PLAN

EET NUMBER

D100

P100

-1 100

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SYMBOL	CODE	DESCRIPTION	DETAIL	RELATED DETAILS
01 PAVEMENTS, RAMPS, CURBS				
	01-01	ASPHALT PAVING - SEE CIVIL		321216
	01-02	CONCRETE CURB AND GUTTER - SEE CIVIL		321613
	01-03	CONCRETE PAVING TYPE 1 - SEE CIVIL		321300
	01-05	CONCRETE MOVSTRIP	A3/AS500	321600
	01-19	TRUNCATED DOMES		
SYMBOL	CODE	DESCRIPTION	DETAIL	SPECIFICATION
04 WALLS AND EMBANKMENTS				
	04-01	CONCRETE SEAT WALL	C1/AS500	033100
SYMBOL	CODE	DESCRIPTION	DETAIL	
09 LANDSCAPE AND IRRIGATION				
	09-01	LANDSCAPE AREA - SEE LANDSCAPE PLAN		
	09-02	ROCK MULCH		
	09-03	BARK MULCH		
	09-04	TURF SOD REPLACEMENT		
	09-06	USE EXISTING GRAVEL OR MATCH EXISTING		

BLANDING, UTAH 84511

SEAL



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REVISIONS

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CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

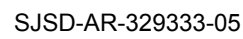
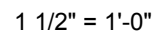
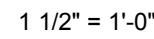
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E



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1. Design Criteria

1.1. Governing Building Code	2021 International Building Code (IBC)
A. Risk Category	III
1.2. Floor Live Loading	
A. Classrooms	60 psf Live Load + 15 psf Partition Load
B. Office	50 psf Live Load + 15 psf Partition Load
C. Exec Facilities & Corridors	100 psf Live Load
D. Mechanical Rooms	125 psf Live Load or actual weights, if larger
1.3. Roof Loading	
A. Roof Live Load	20 psf
B. Roof Snow Load	32 psf + Drift per IBC
1. Ground Snow Load, P_g	1.0 psf
2. Snow Exposure Factor, C_e	1.0
3. Importance Factor, I_s	1.1
4. Thermal Factor, C_t	1.0 Roof
5. Slope Factor, C_s	1.0
C. Roof Rain Load Intensity:	
1. 15-min duration/100-year return period, i_h	4.78 inches per hour
2. 60-min duration/100-year return period, i_{60}	1.99 inches per hour
1.4. Earthquake	
A. Seismic Design Category	A
B. Spectral Response Accelerations	
1. $S_s = 0.185$ g	$S_{D1} = 0.123$ g
2. $S_1 = 0.057$ g	$S_{D1} = 0.038$ g
C. Site Class	B
D. Additional Basic Seismic-Force-Resisting System	Light-frame walls sheathed with wood structural panels
E. Original Building Basic Seismic-Force-Resisting System	Ordinary Plan masonry shear walls
F. Existing Additional Building Basic Seismic-Force-Resisting System	Intermediate Reinforced Masonry Walls
G. Importance Factor, I_p	1.25
H. Redundancy Factor, R	1.0
I. Analysis Procedure	Equivalent Lateral Force (Static)
J. Seismic Design Coefficient, C_d	0.022
K. Additional Design Base Shear	4 kips
L. Building Seismic Movement	
Level	Story Drift
Level 1	Elastic - Δ
Base	Inelastic - Δ
1.5. Wind	
A. Basic Design Wind Speed, V	109 mph
B. Velocity pressure exposure coefficient, K_z	0.85
C. Ground elevation factor, K_{zt}	0.80
D. Exposure category	C
E. Internal Pressure Coefficient, C_{pi}	0.55
F. Topographic Factor	1.0
G. Overall Horizontal Wind Load:	
1. Plan N-S Direction	14.5 kips
2. Plan E-W Direction	35.9 kips
H. Components and Cladding Design Pressure:	
Design Wind Pressure - LRFD (psf)	
Location	Tributary Area (ft ²)
Walls	<10
Within 12 ft of building corner	31.9
At all other areas	27.1
Parapet	44.2
Within 12 ft of building corner	44.2
At all other areas	44.2
Roof	<10
Within 7.8 ft of building corner	50.2
Within 7.8 ft of building edge	50.2
At all other areas	29.5

- 1.6. Foundations
- A. The soils report and log of borings was obtained by the Owner for the Engineer's use in the design of the foundation and is not a part of the Contract Documents. This report and log of borings is available for the Contractor's information but is not a warranty of the subsurface conditions. The Contractor may request the report at their own risk.
- B. Soils Report by Moab Geotechnical Group, dated July 25, 2020.
- C. Soil Bearing Pressure: 4000 psf on a minimum of 6 inches of compacted structural fill overlying bedrock.
- D. Increase for seismic or wind loading: 1.33
- E. Frost Depth: 30 inches below grade
- F. Coefficient of Friction: 0.42
- 1.7. Classification for Fire Rated Construction
- A. For the purpose of determining fire-resistive assemblies, the following framing systems shall be considered "unreinforced":
- Open web steel framing members supporting metal decking.
 - Single span and simply supported end spans of multiple bays that are supported by bearing walls.
 - Steel beams supporting metal decking.
 - Interior spans of multiple bays supported by bearing walls.
 - Steel beams supporting metal decking.
 - All other steel floor and roof framing members shall be considered restrained.

2. Earthwork

- 2.1. Soil conditions shall be verified by the Geotechnical Engineer prior to placement of structural fill, floor slabs, and foundations. If soil conditions exist that are different than the soils report, the Structural Engineer shall be notified to re-evaluate the foundation design at additional expense to the owner.
- 2.2. Clearing: Prior to placing fill or base course, non-engineered fill, topsoil, organic, debris, and other deleterious material shall be removed at least 3 feet beyond the perimeter of the proposed building and fillwork. As a minimum the entire building area shall be scraped to remove the top 4 inches of soil.
- 2.3. Subgrade Preparation: Prior to placing structural fill for footings and the vapor barrier system for the slab on grade, the subgrade preparation shall consist of moisture conditioning and compacting the material in place. A Geotechnical Engineer shall observe the subgrade prior to placement of structural fill footings and foundations. The subgrade is firm, unyielding and that the soil and rock is consistent with the findings of the subsurface investigation.
- 2.4. Proof Rolling: The natural undisturbed soil below all footings shall be proof rolled prior to placing concrete. Remove all soft spots and completely replace them with compacted structural fill. Over-excavation shall extend at least two feet laterally from any areas identified as being soft or loose.
- 2.5. Excavations that extend below ground water level shall be dewatered. The water level should be maintained below the base of the excavation during placement of fill or concrete. Free-draining gravel with less than 5% passing the Number 200 sieve should be used for fill or backfill below the original water level.
- 2.6. Vibratory Compaction: The natural undisturbed soil below all footings shall be compacted with vibratory compacting equipment in lifts not to exceed the equipment's capacity prior to placing concrete. Remove all soft spots and replace with compacted structural fill.
- 2.7. Remove all unsuitable material from below footings and replace it with compacted structural fill down to suitable natural soils meeting the minimum thickness requirement as defined in the Foundations section of the General Structural Notes. Under no circumstances shall the footings be placed on unsuitable non-engineered fill, loose or disturbed soils, debris, frozen soils, or ponded water. The width of structural compacted fill shall be equal to the width of the footing plus one foot for each foot of fill thickness.
- 2.8. Compacted Structural Fill: Structural fill shall be provided at all locations and extents described by the TYPICAL COMPACTED STRUCTURAL FILL DETAIL. All fill material shall be well-graded granular material with a maximum size less than 4 inches and with no more than 10% passing a Number 200 sieve. All fill shall be compacted to the percent in the table below of the maximum laboratory density as determined by ASTM D1557. The fill shall be compacted flat without ruts or dips below all floor slabs. All fill material shall be tested (See Specifications and the Quality Assurance section of the GSN).
- 2.9. Fill zones shall be scarified to a depth of 12 inches, moisture conditioned to within 1% point of the optimum moisture content as determined by ASTM D-1557, and properly recompacted to at least 95% prior to placing fill.
- 2.10. It shall be the responsibility of the Contractor to brace and shore excavations as required.

3. Concrete

- 3.1. Materials shall comply with the Standards specified in American Concrete Institute (ACI) 318-19, "Building Code Requirements for Structural Concrete."
- A. Concrete mix design requirements shall be as follows:
- | Location | f_c at Max. Temp. (psi) | W/C | Air (%) | Max. Aggregate (in.) | Exposure Classes |
|-------------------------|---------------------------|------|---------|----------------------|------------------|
| Footings | 3000 | 0.50 | 0 | 1" | FO S0 CO W1 |
| Interior Slabs on Grade | 4000 | 0.45 | 6 | 1" | FO S0 CO W1 |
| Exterior Walls | 4000 | 0.45 | 6 | 1" | P2 S0 CO W1 |
| Walls | 4000 | 0.45 | 6 | 1" | FO S0 CO W0 |
| Columns | 4000 | 0.45 | 6 | 1" | FO S0 CO W0 |
| All other concrete | 4000 | 0.45 | 6 | 1" | FO S0 CO W1 |
- "Exposure Classes are per ACI 318: Section 19.3.1, where F, S, C, and W are exposure categories for freezing and thawing, sulfate, and corrosion protection and contact with water, respectively.
- B. Cementitious Materials:
- Blended Hydraulic Cements (ASTM C595):
 - Type I, or approved equivalent, for maximum freeze class S0.
 - Portland Cement (ASTM C150)
 - Type I or II for exposure class S0.
 - Fly Ash (ASTM C618, Class C, F, or N) for maximum fly ash content as a percentage of total weight of cementitious materials shall be 25 percent.
- C. Aggregates:
- For concrete with exposure class W1, evidence shall be submitted that aggregates comply with the following:

- Aggregates are not alkali-silica reactive or measures to mitigate alkali-silica reactivity have been established.
 - Aggregates are not alkali-carbonate reactive.
- D. Concrete Density (Maximum Air-Cry Weight):
- Normal weight concrete shall be approximately 145 to 155 pounds per cubic foot. Aggregate shall be ASTM C33.
- E. Steel Reinforcement:
- ASTM A615 Grade 60, $f_y = 60,000$ psi or unless noted otherwise.
- F. Wire Reinforcement:
- Welded Wire Fabric (WWF): ASTM A1064.
- G. Admixtures:
- Entrainment admixtures, comply with ASTM C269 (when used).
 - Tolerance on air content as delivered shall be $\pm 1.50\%$.
 - When air content of a trowel finished floor slab exceeds 3%, there is an increased risk for delaminations and blistering to occur. When this situation is present, the Contractor shall pay special attention to the finishing procedures to help minimize such risks. Refer to ACI 302.1R-15 "Guide for Concrete Floor and Slab Construction" for proper finishing guidelines.
 - The use of super plasticizers and water reducers is allowed, but not required.
 - Calcium chloride or admixtures containing calcium chloride shall not be added to the concrete mix.
- H. Chloride Ion: Maximum water-soluble chloride ion concentrations in hardened concrete at age between 28 and 42 days contributed from the ingredients including water, aggregates, cementitious materials, and admixtures shall not exceed a maximum, by weight of cementitious materials, 1.00% for concrete with exposure class C0, and 0.30% for concrete with exposure class C1.

- 3.2. Formwork shall comply with ACI Standards Publication 347 and the project specifications. The Contractor shall be responsible for the design, detailing, care, placement and removal of the formwork and shores.
- Pre-camber forms and screeds with a camber of 1/4 inch per every 10 feet of span to compensate for dead load deflection, unless noted otherwise.

- 3.3. Concrete cover requirements for deformed bar reinforcing steel shall comply with ACI 318, "Building Code Requirements for Structural Concrete."
- A. Cast-in-place concrete:
- Cast against and permanently exposed to earth
 - Formed concrete exposed to earth or weather
 - Rebar in slabs
 - Rebar in smaller bars
- 3.4. Minimum Spacing of Reinforcement
- A. For parallel reinforcing bars in a horizontal layer, clear spacing between bars shall be at least the greatest of 1 inch, nominal diameter of bars considered, and 1/4 times the nominal maximum size of coarse aggregate in the concrete.
- B. For longitudinal bars in columns, pedestals, struts and boundary elements in walls, clear spacing shall be at least the greatest of 1/4 inches, 1.5 times the diameter of the bars considered and 1/4 times the nominal maximum size of coarse aggregate in the concrete.
- C. If scheduled reinforcing cannot meet these provisions, notify the Engineer of Record.

- 3.5. Construction Joints and Control Joints
- A. Provide a surface intentionally roughened to 1/4 inch amplitude in all wall footings. A continuous keyway shall not be used for concrete shear wall to footing connections. Unless specifically indicated, Refer to project plans, schedules and details for the shear wall to footing connection requirements.
- B. All horizontal and vertical construction joints shall have a surface intentionally roughened to 1/4 inch amplitude. A continuous 2x4 keyway may be used on elements other than shear walls.
- C. Provide reinforcement dowels to match the member reinforcement across the joint, unless noted otherwise.
- D. Slabs on grade shall have construction or control joints spaced not to exceed 30 times the slab thickness in any direction.
- E. Control joints shall be installed in slabs on grade so the length to width ratio of the slab is no more than 1.25:1. See typical details for joint configuration.
- F. Control joints in visually exposed walls, unless noted otherwise (Joints shall line up with masonry and architectural joints, see drawings):
- Vertical control joints at 10'-0" on center.
 - Reinforcing shall be continuous through control and construction joints, unless noted otherwise.
 - Control joints in concrete foundation walls shall line up with masonry control joints.
- G. All sawcut control joints shall be completed within 12 hours of concrete placement.

- 3.6. Detailing: All reinforcing, including welded wire fabric, shall be detailed, bolted & supported to comply with ACI 318, "Details and Detailing of Concrete Reinforcement" and the Concrete Reinforcing Steel Institute (CRSI) recommendations. Reinforcing bars shall not be welded unless specifically permitted by the Engineer of Record.
- A. All reinforcing shall be developed in compliance with the CONCRETE REINFORCING BAR DEVELOPMENT AND LAP SPICE SCHEDULE. As indicated in the drawings or upon approval of the Engineer, lap splices shall be staggered a minimum of 24 inches apart along the longitudinal axis of the reinforcing bars.
- C. All embedded elements and dowels shall be securely tied to formwork or to adjacent reinforcing prior to the placement of concrete.
- D. Use chairs or other support devices recommended by CRSI to support and tie reinforcement bars and welded wire fabric prior to placing concrete. Welded wire fabric shall be continuously exposed at 36 inches on center in the masonry.
- E. See typical details for reinforcing at wall intersections and ends, reinforcing around wall openings, vertical wall dowels.
- F. Where required, reinforcing is to be terminated in a standard hook or headed bar anchor. Refer to the TENSION HOOK DEVELOPMENT SCHEDULE, the TENSION HEADED BAR DEVELOPMENT SCHEDULE and the REINFORCEMENT END HOOK SCHEDULE as appropriate until the reinforcing is terminated in a standard hook or headed bar equivalent and may be substituted at the Contractor's option.
- G. Contractor shall coordinate placement of all openings, curbs, dowels, sleeves, conduits, bolts, inserts and other embedded items prior to placement of concrete.
- H. All reinforcing shall be bent cold and shall be bent only once at the same location. All reinforcing shall be shop bent, unless otherwise permitted by the Engineer of Record.

- 3.7. Minimum Reinforcing: Wall reinforcing shall be as follows, unless noted otherwise:
- | Wall Thickness | Horizontal Reinforcing | Vertical Reinforcing |
|----------------|------------------------|----------------------|
| 6" | #4 @ 13" o.c. | #4 @ 18" o.c. |
| 8" | #4 @ 12" o.c. | #4 @ 18" o.c. |
| 10" | #4 @ 12" o.c. | #4 @ 18" o.c. |
| 12" | #4 @ 12" o.c. Each | #4 @ 18" o.c. Each |
- Spacing shall exceed neither 3 times the wall thickness nor 16 inches. In addition to the above reinforcing, 2 #5 steel bars shall be provided at the bottom of the wall (near the footing) and at each floor level, at the roof level and at the top of wall.
- 3.8. No aluminum conduit or product containing aluminum or any other material injurious to concrete shall be embedded in concrete.
- 3.9. Unless otherwise noted, all slabs on grade shall be 4 inches thick.

4. Masonry

- 4.1. Materials shall comply with the Standards specified in TMS 402-16 and TMS 602-16, "Building Code Requirements and Specifications for Masonry Structures."
- A. Materials, unless noted otherwise:
- Concrete Masonry Units, ASTM C 90, Medium Weight.
 - Hollow Clay Units: Hollow Brick, ASTM C562, Grade SW.
 - Solid Clay Units: ASTM C216, Grade SW.
- D. Material Strength: The Prism Test Method or the Unit Strength Method according to TMS 602-16 Section 1.4B may be used to determine the compressive strength of masonry assemblies. The contractor shall select the desired method and meet the required material strength as follows:
- Prism Test Method, TMS 602-16 Section 1.4 B.3:
 - Concrete Masonry Unit Assembly, $f_m = 2000$ psi.
 - Hollow Clay Unit Assembly, $f_m = 2000$ psi.
 - Solid Clay Unit Assembly, $f_m = 1500$ psi.
 - Unit Strength Method, TMS 602-16 Section 1.4 B.2:
 - Concrete Masonry Units, minimum unit strength of 2000 psi average or better. ($f_m = 2000$ psi).
 - Hollow Clay Units, minimum unit strength of 6600 psi average or better. ($f_m = 2500$ psi).
 - Solid Clay Units, minimum unit strength of 3350 psi average or better. ($f_m = 1500$ psi).
5. Masonry not laid in Running Bond: Provide hollow open-end units. Four-inch nominal units used for masonry veneer are not required to meet this requirement.
6. Mortar: Use Type "S" according to ASTM C270, proportion specification. Admixtures shall not be added to the mortar mix.
7. Grout: For masonry assemblies with $f_m = 2000$ psi or less conform to ASTM C476, proportion specification. Grout that does not meet the requirements of ASTM C476 proportion specification or that is used in masonry assemblies with $f_m > 2000$ psi shall meet the following requirements: Meet the material requirements of ASTM C476, obtain a minimum compressive strength of $f_m \geq 2000$ psi, whichever is larger, at 28 days tested according to ASTM C1019, or obtain a slump flow of 24 inches to 30 inches as determined by ASTM C1611, and shall have a minimum yield index less than or equal to 1 as determined in accordance with ASTM C1611 Appendix X. Field addition of admixtures is not permitted.
8. Reinforcing: Grade 60 reinforcing steel shall comply with ASTM A615. Wire joint reinforcing shall comply with ASTM A651.
9. Deformed Bar Anchors (DBA): All DBAs shall comply with ASTM A496.
10. Anchor Bolts (AB): ASTM A307 with TM A563 heavy hex nuts and hardened washers, Grade A, unless noted otherwise.
11. Headed Stud Anchors (HSA): Manufacture all HSAs in conformance with ASTM A108 with dimensions complying with AISI specifications.
- 4.2. Construction Requirements
- A. Mortar Joints: Joints shall be "concave," "V-joint" or "weathered raked" for structural members unless noted otherwise on architectural drawings.
- B. Masonry Joints, beams and columns shall be constructed with running bond, unless noted otherwise.

- C. Grouting Requirements: Comply with IBC Section 2104 and TMS 602 Section 3.5. Grout shall be mechanically consolidated and mechanically reconsolidated according to TMS 602 Section 3.5 E.
- D. Grout Pour Heights that exceed 4 feet shall meet the following requirements:
- Grout Pour Height: Grout shall be placed in lifts not exceeding 4 feet.
 - Grout Cleanouts: In the bottom course of masonry for each pour in accordance with TMS 602 Section 3.2 F.
 - Grout Gout: For grout other than self-consolidating grout, a demonstration panel representative of the proposed wall construction and construction procedures shall be provided and approved by the Architect. The demonstration panel may be a part of the completed construction as approved by the Architect.
 - For Self-Consolidating Grout placed in masonry that has cured for at least 4 hours, place in lifts not exceeding the Maximum Grout Pour Height in listed in TMS 602 Section 3.5C.
2. When grouting, form grout keys between grout pours. Form grout keys between grout lifts when the first lift is permitted to set prior to placement of the subsequent lift.
3. Grout shall be placed in lifts not exceeding a minimum of 1/4 inch below a mortar joint.
4. Do not form grout keys within beams.
5. At beams or lintels laid with closed bottom units, terminate the grout pour at the bottom of the beam or lintel without forming a grout key.
6. Masonry shall be solid grouted for the following conditions:
- Masonry not laid in running bond.
 - Masonry columns.
 - Masonry beam/sills.
 - Masonry below grade or retaining soils.
 - Exterior free-standing walls.
- D. Reinforcing Bars shall not be welded unless specifically shown on drawings. In such cases, use only AWS Standards. Do not substitute reinforcing bars for DBAs or HSAs.
- E. Control Joints: Spacing shall not exceed 40 feet or 2.5 times the wall height, whichever is less. Joints shall not be located over masonry openings, and shall be a minimum of the schedule masonry column width away from masonry openings. See architectural drawings for locations.
- F. Grout all beam and joint pockets solid after installation of beams and joists.
- G. Masonry Veneer Attachment and Reinforcing:
- Joint reinforcing: Veneer not laid in running bond shall have continuous, galvanized 9-gauge wire joint reinforcement spaced vertically at 18 inches on center maximum. Mechanically attach veneer anchors to the continuous wire joint reinforcing with Hohmann & Barnard Seismic Interlock System (S.I.S.) clips.
 - Veneer shall be attached with anchors as follows:

Backup	Insulation Present or Yes	Veneer Anchors (Hohmann & Barnard)	Fasteners to Backup
Reinforced masonry walls with joints aligned in veneer	Yes or No	270-2X Ladder Eye Wire	Cast in place
Reinforced masonry wall with joints not aligned in veneer	Yes	362-CX Gipsytail Channel Slot with 363-BT	Corrosion resistant screws or sleeve expansion anchors with 200 lb minimum allowable capacity
Wood or steel studs	Yes	HB-213-2X or BL-407 with VBT	#10 corrosion resistant screws
	No	DW-10HS	#10 corrosion resistant screws

3. Anchors shall be spaced at a maximum of 16 inches on center horizontally and 18 inches on center vertically.
4. Anchors, channels, and ties shall be corrosion resistant.
5. Other methods of attachment may be used after written acceptance by the Architect and Engineer of Record.
6. Steel Lintels: Provide steel angle lintels at all openings through the masonry veneer. Provide one inch of bearing for each foot of width of opening, with a minimum bearing of six inches. See the STEEL ANGLE LINTEL SCHEDULE for size. All steel angle lintels shall be galvanized unless noted otherwise.

- 4.3. Detailing Requirements
- A. Standards: Reinforcing detailing shall comply with American Concrete Institute (ACI) Standard 318, "Details and Detailing of Concrete Reinforcement."
- B. Reinforcement Protection (cover):
1. Joint reinforcing shall have not less than 5/8 inch mortar coverage from the exposed face.
 2. Other reinforcement shall have a minimum coverage of one bar diameter over all the bars, but not less than 1/4 inch. When masonry is exposed to soil, minimum coverage shall be 1/4 inch.
 3. Vertical steel reinforcement shall be placed and secured against displacement prior to grouting by wire positioners or other suitable devices: at intervals not exceeding the least dimension of the grout fill height, or bar splice locations, or 64 inches. Vertical reinforcing shall be located at the center of the wall, unless noted otherwise.
 4. Lap Splice Lengths: Lap all masonry reinforcing bars per the Masonry Reinforcing Bar Lap Splice Schedule. Joint reinforcing shall lap a minimum of 6 inches.
 5. Corner Bars: Horizontal reinforcing shall be continuous at all corners and at intersecting walls. Provide corner bars with the required lap splice length.
 6. Dowels: All vertical reinforcing shall be dowelled to the foundation wall, footing (structure below) and to the structure above with the same size dowel, splicing (and in the same core) as the vertical wall reinforcing unless noted otherwise.
 7. Wall Openings 24 inches wide and wider: Provide reinforced masonry lintels per Masonry Lintel Schedule over the top of the wall, and 4 #5 bars, in grouted spaces on all sides and adjacent to every unscheduled opening, unless noted otherwise. Bars for all openings shall extend a minimum of 24 inches beyond the corners of the opening.
 8. Vertical bars shall extend from floor level below to the floor, or roof, level above. Where a 24 inch extension is not possible, extend bars as far beyond the opening as possible and terminate them with a 90 degree standard ACI hook.
 9. Horizontal wall reinforcing shall be continuous through joining concrete walls, masonry walls, columns, and pilasters. Provide a key between the wall and the column or pilaster. The horizontal wall reinforcing shall be placed inside the column vertical reinforcing.
 10. Anchor bolts and headed stud anchors shall be set in a grouted cell. Anchor bolts and headed stud anchors shall have 1 inch of grout surrounding the shank at its penetration. Grout shall be flush with the face or top of the masonry.
 11. The exposed face of all embed plates shall be set flush with the face of masonry wall or column.

- 4.4. Minimum Reinforcing
- All masonry walls shall be reinforced as follows, unless shown otherwise on the drawings.
- A. Reinforcing shall be placed in grouted cells:
- | Wall Thickness | Horizontal Reinforcing | Vertical Reinforcing |
|----------------|------------------------|----------------------|
| 6" | #4 @ 48" o.c. | #5 @ 32" o.c. |
| 8" | #5 @ 48" o.c. | #5 @ 32" o.c. |
| 10" | #5 @ 48" o.c. | #6 @ 32" o.c. |
| 12" | 2 #5 @ 48" o.c. | #6 @ 32" o.c. |

5. Structural Steel

- 5.1. Material
- A. W-Shapes: ASTM A992, $F_y = 50$ ksi, except as noted otherwise.
- B. Rectangular and Square Hollow Structural Sections (HSS): ASTM A500, Grade C ($F_y = 50$ ksi).
- C. Round HSS: ASTM A500, Grade C ($F_y = 46$ ksi).
- D. All Other Shapes and Plates: ASTM A588, $F_y = 36$ ksi, except as noted otherwise.
- E. Steel Decking: (DBA): ASTM A498 or ASTM A1064/1064.70 ksi minimum yield strength.
- F. Galvanized Steel Sheet: ASTM A653 or A1063, with G60 galvanized coating.
- F. High-Strength Bolts:
- Group A: ASTM F3125 Grades A325 & F1852
 - Deformed Bar Anchors (DBA): ASTM A498 or ASTM A1064/1064.70 ksi minimum yield strength.
- H. Anchor Rods: ASTM F1554, Grade 36, unless noted otherwise, with ASTM A563 heavy hex nuts and ASTM A434 hardened washers.
- 5.2. Fabrication and construction shall comply with the following Codes and Standards:
- A. American Institute of Steel Construction (AISC):
1. AISC 360-16, "Specification for Structural Steel Buildings"
 2. AISC 341-16, "Seismic Provisions for Structural Steel Buildings"
 3. AISC 303-16, "Code of Standard Practice for Steel Buildings and Bridges"
- a. The structural drawings shall be used in conjunction with the architectural drawings, Detailing and shop drawing production for structural elements will require information (including dimensions) contained in architectural, structural, and/or other consultants' drawings. Refer to the Special Instructions section of the general notes, below.
- B. Research Council on Structural Connections (RCSC): "Specification for Structural Joints Using High-Strength Bolts," dated August, 2014.
- C. American Welding Society (AWS)
1. AWS D1.1 - 2015: "Structural Welding Code - Steel" (specific items do not apply when they conflict with the AWS requirements)
 2. AWS D1.8-2016: "Structural Welding Code - Seismic Supplement" (specific items do not apply when they conflict with the AWS requirements)

- 5.3. Structural shapes and plates shall be fabricated from newly rolled (milled) one-piece sections without splices, unless specifically noted otherwise on the structural drawings. Connections for structural steel shall comply with the structural drawings, unless written approval is given by the Engineer of Record.
- 5.4. Welding
- A. It is recommended the steel erection contractor and steel fabricator contact the Quality Assurance Agency prior to beginning any welds. A program of joint preparation and welding procedures should be worked out between the two parties before the welding is started so that correct welds will be made from the beginning.
- B. Certification of Welders: When field welding shall be executed by AWS certified welders who have been specifically certified for the process of welding being performed. The welder's certification will be considered as being current unless the welder is not engaged in the process of welding being performed for a period exceeding six months or there is a specific reason to question a welder's ability as required by AWS. Certification and records must comply with AWS Standards. Certification and appropriate records must be provided to the Architect.
- C. Electrodes: E-70 XX or as noted otherwise. E60 XX may be used for welding steel floor and roof decks.
- D. Minimum Welds: All intersecting steel shapes that are not bolted shall be connected by a fillet weld all around, unless noted otherwise. Fillet weld sizes that are not shown shall be 1/4 inch unless the thickness of the connected parts for thicknesses 1/4 inch and larger. Fillet welds on plates less than 1/4 inch shall be of the same size as the thinnest of the connected parts.
- E. Reinforcing Bars: Do not weld rebar except as specifically detailed in the drawings. In such cases, use only AWS standards. Do not substitute reinforcing bars for deformed bar anchors (DBAs), machine bolts, or headed stud anchors (HSAs).
- F. Bolts: Do not apply any washers, including "back" welds to bolts, including anchor bolts, except as specifically detailed in the drawings.
- G. Headed Stud Anchor (HSA) welding and Deformed Bar Anchor (DBA) welding shall conform to the manufacturer's specifications. Welding shall comply with AWS D1.1 Section 7.6 through 7.9 and Annex G.
- 5.5. Bolted Connections
- A. Provide snug tightened joints with Group A (threads not excluded) bolts for steel-to-steel connections, unless noted otherwise. Snug tightened joints shall be used in connections for simple span framing and beam (or girder) to bearing plate connections. Snug tight is the condition that exists when all of the plies in a connection have been pulled into firm contact by the bolts in the joint and the bolts are not less than 1/4 inch from the edge sufficiently to prevent the removal of the nuts without the use of a wrench. The snug tightened condition is typically achieved with a few impacts of an impact wrench. The snug tightened condition shall be considered adequate proof of the requirement.
- B. Intermed filer materials shall meet the requirements of AWS D1.8 section 6.3.4.
- C. Additional welding provisions applicable to demand critical welds only are as follows:
1. Welding processes shall comply with AWS D1.8 Section 6.2.
 2. Filler metal packaging and exposure limitations shall comply with AWS D1.8 Section 6.4.
- 5.6. Tack welds shall comply with AWS D1.1 Section 5.18 and AWS D1.8 Section 6.6 and 6.16. Tack welds attaching backing bars and weld tabs at demand critical welds shall be placed where they are incorporated into a final weld.

- 5.7. Special Provisions for Welds in the SFRS (Seismic Force Resisting System): Welds used in collector elements shall comply with these requirements. Welding methods, procedures and quality control shall comply with AISG 341 Chapter J, AWS D1.1, AWS D1.8 and the following:
1. Demand Critical Welds: The following CJP groove welds are demand critical and shall comply with the special requirements for Demand Critical Welds.
 - a. Beam flanges to column, single plate shear connections to columns.
 - b. Other welds designated as demand critical in the drawings.
 2. Welding shall be performed in accordance with AWS D1.1 Chapter J, and the welding procedure specification (WPS) as required in AWS D1.1. WPS variables shall be within the parameters established by the filler metal manufacturer. WPS for demand critical welds shall also comply with AWS D1.8 Section 6.1.
 3. Consumables for Welding:
 - a. Welds used in members and connections of the SFRS shall be made with filler metals meeting the requirements specified in section 6.3 of AWS D1.8.
 - b. Filler metal properties shall be as follows:

Property	70 ksi Classification	80 ksi Classification
Yield Strength, ksi	68 min	68 min
Tensile Strength, ksi	70 min	80 min
Elongation (%)	22 min	19 min
CVN Toughness, ft-lbf	20 min @ 0 degrees F	20 min @ 20 degrees F

- c. Filler metals in Demand Critical Welds shall receive Heat Input Testing that achieves the parameters listed above with CVN toughness of 40 ft-lbf min @ 70 degrees F and shall comply with AWS D1.8 section 6.3.3 to 6.3.8.
 - d. Diffusible Hydrogen: Welding electrodes and electrode-flux combinations shall meet the requirements of AWS D1.8 Table 6.3. The manufacturer's Certificate of Approval shall be considered adequate proof of the requirement.
 - e. Intermed filer materials shall meet the requirements of AWS D1.8 section 6.3.4.
 - f. Additional welding provisions applicable to demand critical welds only are as follows:
1. Welding processes shall comply with AWS D1.8 Section 6.2.
 2. Filler metal packaging and exposure limitations shall comply with AWS D1.8 Section 6.4.
- 5.7. Tack welds shall comply with AWS D1.1 Section 5.18 and AWS D1.8 Section 6.6 and 6.16. Tack welds attaching backing bars and weld tabs at demand critical welds shall be placed where they are incorporated into a final weld.

- 5.8. Steel Lintels
- A. Provide steel angle lintels at all openings through the masonry veneer. Provide 1 inch of bearing for each foot of width of opening, with a minimum bearing of 6 inches. See the STEEL ANGLE LINTEL SCHEDULE for size. All steel lintels shall be galvanized unless noted otherwise.
- 5.9. Beam Web Stiffener Plates
- A. Provide full-height web stiffener plates to each side of all beams above all bearing points. Unless noted otherwise, stiffener plates shall be the thickness indicated in the typical stiffener plate detail.

6. Cold-Formed Steel

- 6.1. General Conditions
- A. The cold-formed steel framing drawings and details provide the general design intent and details for the construction of the cold-formed steel framing system. The framing system shall be completed to the wall section geometry as shown in the architectural drawings, including additional studs and connections as required to provide a complete installation. The Contractor shall be responsible for engineering for conditions not specifically detailed in the construction drawings.
- 6.2. Material
- A. Studs:
1. Base metal thickness of less than 54 mil: ASTM A1003 or A653, $F_y = 33$ ksi.
 2. Base metal thickness of 54 mil or greater: ASTM A1003 or A653, $F_y = 50$ ksi.
- B. Track, Connection Clips, and Miscellaneous Shapes:
1. Base metal thickness of less than 54 mil: A1003 or A653, $F_y = 33$ ksi.
 2. Base metal thickness of 54 mil or greater: A1003 or A653, $F_y = 50$ ksi.
- 6.3. Design, fabrication and construction shall comply with the following Codes and Standards from the American Iron and Steel Institute (AISI):
1. AISI S100-16/2020 w/32-20 "North American Specification for the Design of Cold-Formed Steel Structural Members" 2016 Edition (Reaffirmed 2020), with Supplement 2, 2020 Edition.
 2. AISI S202-20 "Code of Standard Practice for Cold-Formed Steel Framing," 2020
 3. AISI S220-20 "North American Standard for Cold-Formed Steel Nonstructural Framing," 2020
 4. AISI S240-20 "North American Standard for Cold-Formed Steel Structural Framing," 2020
 5. AISI S300-20 "North American Standard for Seismic Design of Cold-Formed Steel Structural Systems," 2020

- 6.4. Non-Load-Bearing Exterior Cold-Formed Steel Framing
- A. All non-load bearing exterior cold-formed steel (and/or) joint framing members along with all runner, bridging, and end track shall be of the designation shown on the plans, schedules, and details. The framing member designers used in the plans, schedules, and details shall follow the convention established by the Steel Stud Manufacturer's Association (SSMA) and the North American Steel Framing Alliance (NASFA). Framing members provided shall comply with the designations according to this convention. See Steel Stud Manufacturers Association- Nomenclature for an explanation of the stud or track designations.
- A. All components shall be galvanized.
- C. Where not noted in the drawings, all framing members shall have a base metal thickness of 33 mil or greater.
- D. All jamb, header, and sill components shall be continuous without splices unless noted otherwise. Jamb studs shall extend continuous from floor to floor, roof to floor, and girt.
- E. Wall punctures in header stud or joist members shall not be located within 12 inches of the support.
- F. Fasteners for steel stud construction shall be self-drilling and self-tapping meeting ASTM C1513. Screw-type fasteners shall penetrate the joined materials with a minimum of three threads exposed. Furnish, install, and tighten screws per the manufacturer's recommendations and per the sizes indicated in the details. The minimum screw-type fastener size shall be #10 for any connection, unless noted otherwise, or the manufacturers' minimum recommended size for framing clips and bridging. Screws shall have a center-to-center spacing of at least 3 times the nominal diameter of the screw unless noted otherwise. Screws shall have center-of-screw to edge-of-steel dimensions of at least 1.5 times the nominal diameter of the screw unless noted otherwise.
- G. See the Typical Steel Stud Wall Bridging Detail for wall stud

3. Shoring Posts.
4. Shoring Beams.
5. Shoring Braces.
D. Shoring Installation:
1. Shores shall be installed snug tight only against the member(s) being shored. Do not relieve load from the existing structure.
2. Provide appropriate anchorage at the top and bottom of shoring elements to prevent overturning or tipping over of shore posts.
3. During shoring installation, the Contractor shall protect:
a. Architectural finishes (floor, walls, partitions, ceilings, etc.) to remain, where applicable.
b. Exposed structural finished surfaces (floor, overhead slab, beams, columns, walls, etc.) to remain.
9.6. Existing conditions
A. The contract structural drawings represent the reconfigured structure and do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.
B. The Contractor is responsible for being knowledgeable on information presented in available new or existing drawings and shall field verify all relevant information. Information available in existing drawings may be incomplete. Contractor shall familiarize themselves with information available in the existing and new drawings, and shall field verify all pertinent information.
C. Contractor shall field verify all existing conditions prior to performing any work, including but not limited to bidding and estimating, shoring, detailing, fabricating, manufacturing, erecting, or installing any given structural element indicated in the contract drawings.
D. Information on existing conditions provided in the contract drawings are based on information gathered from existing drawings and during limited site observations. If conditions shown do not match existing conditions contact the Architect/Engineer prior to performing any work. Do not proceed until instructions in writing are provided by the Architect/Engineer.
E. Dimensional information provided in the contract drawings on existing conditions are for general information and reference purposes only, and shall not be used for detailing and construction.
F. Contractor shall provide dust, odor, and noise protection, and safety measures as necessary to protect the existing structure, vehicles, building interior, building patrons and other persons for the duration of demolition and construction operations.
G. Contractor shall refer to existing drawings of the existing facility to verify:
a. Structural member sizes and locations, slab thickness
b. Location of previous additions, alterations, or repairs performed at the facility
c. Location of expansion joint systems
d. Location of interior architectural items
H. Demolition at existing conditions
1. Demolition, cutting, drilling, etc. work shall be performed so as not to damage existing structure that is to remain and shall not jeopardize the structural integrity of the existing building. If any architectural, structural, or MEP members not designated for removal interfere with the new work, the Owner, Architect, and Engineer of Record shall be notified immediately, and approval obtained prior to their removal.
2. Contractor shall coordinate location, number and sizes of openings through existing roofs, and walls for air shafts, ducts, piping, and/or conduit with the Architectural, Mechanical, Electrical, Plumbing, and Fire Protection drawings and the respective subcontractors.
I. Contractor shall repair all damage caused during construction or demolition. All damage shall be repaired and restored with similar materials and workmanship to levels acceptable to the Owner.
9.7. All expansion joints (E.J.) shown in the structural drawings shall be considered seismic separation joints, unless noted otherwise. The width dimensioned shall be provided with a tolerance of (+1"-0") regardless of the tolerances stated in material reference standards.
9.8. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference. These drawings must bear the appropriate review stamps. The shop drawing review shall not relieve the Contractor of the responsibility of completing the project according to the contract documents. The General Contractor shall review and mark all shop drawings prior to submitting them to the Architect for review. Shop drawings made from reproductions of (these) contract drawings will be rejected.
9.9. Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all trades and all items that are to be integrated into the structural system. Openings or penetrations through, or attachments to the structural system that are not indicated on these drawings shall be the responsibility of the General Contractor and shall be coordinated with the Architect/Engineers. The order of construction is the responsibility of the General Contractor. It is the Contractor's obligation to provide all items necessary for the chosen procedure.
9.10. Contractor shall field verify all dimensions, and conditions. If the contract drawings do not represent actual conditions, Contractor shall notify Architect/Engineer prior to fabrication or construction within that area.
9.11. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Reaveley Engineers. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with the project is not to be construed as publication in derogation of Reaveley Engineers' reserved rights. The documents defining the structure are instruments of service prepared by Reaveley Engineers for one use only. Furthermore, these documents shall not be reproduced, or copied, in whole or in part by the Contractor or subcontractors for preparation of shop drawings or other submittals.

10. Quality Assurance

- 10.1. Quality Assurance Agency Requirements
A. The Owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project. The QAA shall provide all information necessary for the building official to determine that the agency meets the applicable requirements.
1. The QAA shall be objective, competent and independent from the Contractor responsible for the work being inspected. The agency shall disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.
2. The QAA shall have adequate equipment to perform required tests. The equipment shall be periodically calibrated.
3. The QAA shall employ experienced personnel educated in conducting, supervising and evaluating tests and special inspections. Experience or training shall be considered relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities.
4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer of Record and Contractor. Reports shall indicate that the work inspected was or was not completed in conformance to the approved construction documents. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If they are not corrected, the discrepancies shall be brought to the attention of the Architect and Engineer of Record.
5. The QAA shall submit a final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests. The final report shall be distributed to the building official, Owner, Architect and Engineer of Record in a timely manner prior to the completion of the project.
10.2. Contractor Responsibilities
A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work on the systems or components listed in the statement of special inspections. The Contractor's statement of responsibility shall contain acknowledgment or awareness of the special requirements contained in the statement of special inspections.
B. Notification of QAA: The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.
10.3. Structural Observations by the Engineer of Record
A. The Engineer of Record will perform structural observations at critical phases of the project as listed below. Observations will be made on a periodic basis throughout the construction of the structural system. During this timeframe, site visits will be made at significant structural milestones. Copies of the observation report will be distributed to the Architect, Contractor, Owner, and QAA.
B. The contractor shall notify the Engineer of Record at least 24 hours in advance before any of the following actions:
1. Placing concrete in any footing, or pier.
2. Casting any wall forms.
3. Grouting any masonry.
4. Completing the structural steel framing.
5. Completing the welding or fastening of major sections of steel decking.
6. Completing the fastening of any sheathing on wall, roof, or floor system.
C. Observation visits to the site by the Engineer of Record or the Engineer's field representatives shall not be construed as inspection or approval of construction.

11. Statement of Special Inspections

- 11.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).
11.2. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases, periodic inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. Frequency marked with (E) designates periodic inspections that must be performed prior to or upon completion of every task and for each member, welded joint, and bolted connection.
11.3. Special inspections during fabrication are not required where the work is done on the premises of a fabricator approved by the authority having jurisdiction to perform such work without special inspection. At the Owner's discretion, periodic inspection, testing, or auditing of the fabricator's quality control processes may be performed by the Owner's quality assurance agency. At completion of fabrication, the fabricator shall submit a certificate of compliance for submittal to the building official, as specified in Section 1705.5, stating that the work was performed in accordance with the approved construction documents.

Structural Steel per IBC Section 1705.2.1, 1705.13.1 & 1705.14.1		
Item	Frequency	Detailed Instructions
Prior to Welding (Table NS 4-1, AISC 360-16):		
Welder qualification records	Periodic	Verify welder qualification records and continuity records
Verify welding procedures (WPS) and consumable certificates	Periodic (E)	
Material identification	Periodic	Verify type and grade of material.
Welder identification	Periodic	Confirm a system is in place by which a welder who has welded a joint or member can be identified.
Fit-up groove welds	Periodic	Verify joint preparation, dimensions, cleanliness, latching, and backing.
Access holes	Periodic	Verify configuration and finish.
Fit-up of fillet welds	Periodic	Verify dimensions, cleanliness and latching.
During Welding (Table NS 4-2, AISC 360-16):		

Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Cracked tack welds	Periodic	Verify that welding does not occur over cracked tack welds.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Welding techniques	Periodic	Verify interpass and final cleaning, each pass is within profile limitations, and quality of each pass.
After Welding (Table NS 4-3, AISC 360-16):		
Welds cleaned	Periodic	Verify that welds have been properly cleaned.
Size, length, and location of welds	Periodic (E)	Verify the size, length and location of welds.
Welds meet visual acceptance criteria	Periodic (E)	Verify that welds meet crack prohibition, base metal fusion, profile, size, undercut, and porosity provisions.
Arc strikes	Periodic (E)	Verify that arc strikes do not exist outside the permanent weld areas.
k-area	Periodic (E)	When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks.
Backing & weld tabs removed	Periodic (E)	If required on the approved construction documents, verify that back and weld tabs are removed.
Repair activities	Periodic (E)	Verify that repair activities are performed in accordance with AISC 360 and AWS D1.1.
Documentation	Periodic (E)	Document the acceptance or rejection of the welded joint or member.
Prohibited welds	Periodic (E)	Verify no prohibited welds have been added without approval of the EOR.
Nondestructive Testing (Section NS 5, AISC 360-16):		
Welded joints subject to fatigue	Periodic (E)	Welded joints subject to fatigue (see Table A-3.1 of AISC 360) shall have radiographic or UT testing.
Prior to Bolting (Table NS 6-1, AISC 360-16):		
Certifications of fasteners		
Fasteners marked	Periodic	Verify that fasteners have been marked in accordance with ASTM requirements.
Proper fasteners for joint	Periodic	Verify grade, type, and bolt length if heads are excluded from the shear plane.
Proper bolting procedure	Periodic	Verify proper procedure is used for the joint detail.
Connecting elements	Periodic	Verify appropriate laying surface condition and hole preparation, if specified, meet requirements.
Pre-installation verification testing	Periodic	Observe and document verification testing by installation personnel for fastener assemblies and methods used.
Proper storage	Periodic	Verify proper storage of bolts, nuts, washers, and other fastener components.
During Bolting (Table NS 6-2, AISC 360-16):		
Fastener assemblies		
Snug-tight prior to pretensioning	Periodic	Verify that joints are brought to snug-tight condition prior to pretensioning operation.
Fastener component	Periodic	Verify that fastener component not turned by wrench is prevented from rotating.
Pretensioned fasteners	Periodic	Verify that fasteners are Pretensioned in accordance with RCSC Specification, progressing systematically from the most rigid point toward the free edges.
After Bolting (Table NS 6-3, AISC 360-16):		
Documentation		
Other Steel Inspections (Section NS 6, AISC 360-16; Table JB 8.1, J10.1, AISC 341-16):		
Structural steel details		
Anchor rods and other embedments supporting structural steel	Periodic	Shall be on the premises during the placement of anchor rods and other embedments supporting structural steel for compliance with construction documents. Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
Galvanized structural steel	Periodic	Verify that exposed cut surfaces of galvanized structural steel does not include cracks prior to galvanizing the surface.

Steel Roof and Floor Decks per IBC Section 1705.2.2 and SDI QA/QC - 2017

Item	Frequency	Detailed Instructions
Steel Roof and Floor Decks Prior to Placement (IBC 1705.2.2 and Table 1.1, SDI QA/QC 2017):		
Materials	Periodic (E)	Verify compliance of deck and all deck accessories with approved construction documents, including profiles, material properties, and base metal thickness. Document acceptance or rejection of deck and deck accessories.
Documentation	Periodic (E)	
Steel Roof and Floor Decks After Placement (IBC 1705.2.2 and Table 1.2, SDI QA/QC 2017):		
Compliance with construction documents	Periodic (E)	Compliance with construction documents. Verify deck materials are represented by the mill certifications that comply with the construction documents.
Document acceptance or rejection of deck and deck accessories	Periodic (E)	
Steel Roof and Floor Decks Prior to Welding (IBC 1705.2.2 and Table 1.3, SDI QA/QC 2017):		
Welding procedure specifications	Periodic	Verify that WPS is available.
Certifications of welding consumables	Periodic	Verify that manufacturer certifications for welding consumables are available.
Material identification	Periodic	Verify type and grade of materials to be welded.
Welding equipment	Periodic	
Steel Roof and Floor Decks During Welding (IBC 1705.2.2 and Table 1.4, SDI QA/QC 2017):		
Use of qualified welders	Periodic	Verify that welders are appropriately qualified.
Control and handling of welding consumables	Periodic	Verify packaging and exposure control.
Environmental conditions	Periodic	Verify wind speed is within limits as well as precipitation and temperature.
WPS followed	Periodic	Verify items such as settings on welding equipment, travel speed, welding materials, shielding gas type/flow rate, preheat applied, interpass temperature maintained, and proper position.
Steel Roof and Floor Decks After Welding (IBC 1705.2.2 and Table 1.5, SDI QA/QC 2017):		
Size, length, and location of welds	Periodic	Verify size and location of welds, including support, sidelap, and perimeter welds.
Welds meet visual acceptance criteria	Periodic (E)	Verify weld meets visual acceptance criteria based upon weld-base-metal fusion, weld profiles, weld size, undercut, and porosity.
Repair activities	Periodic (E)	Verify that repair activities are acceptable.
Document acceptance or rejection of welds	Periodic (E)	
Steel Roof and Floor Decks Prior to Mechanical Fastening (IBC 1705.2.2 and Table 1.6, SDI QA/QC 2017):		
Pre-installation verification	Periodic	Verify manufacturer installation instructions are available for mechanical fasteners as well as the proper tools and storage for the fasteners.
Steel Roof and Floor Decks During Mechanical Fastening (IBC 1705.2.2 and Table 1.7, SDI QA/QC 2017):		
Fastener Placement	Periodic	Verify that fasteners are positioned as required and installed in accordance with the manufacturer's instructions.
Steel Roof and Floor Decks After Mechanical Fastening (IBC 1705.2.2 and Table 1.8, SDI QA/QC 2017):		
Spacing, type and installation of fasteners	Periodic (E)	Verify the spacing, type and installation of support, sidelap, and perimeter fasteners.
Repair activities	Periodic (E)	Verify that repair activities are acceptable.
Document acceptance or rejection of mechanical fasteners	Periodic (E)	

Concrete Construction per IBC Sections 1705.3 & 1705.12

Item	Frequency	Detailed Instructions
Prior to Casting (Table NS 4-1, AISC 360-16):		
Welder qualification records	Periodic	Verify welder qualification records and continuity records
Verify welding procedures (WPS) and consumable certificates	Periodic (E)	
Material identification	Periodic	Verify type and grade of material.
Welder identification	Periodic	Confirm a system is in place by which a welder who has welded a joint or member can be identified.
Fit-up groove welds	Periodic	Verify joint preparation, dimensions, cleanliness, latching, and backing.
Access holes	Periodic	Verify configuration and finish.
Fit-up of fillet welds	Periodic	Verify dimensions, cleanliness and latching.
During Welding (Table NS 4-2, AISC 360-16):		

Reinforcing steel	Periodic	Verify prior to placing concrete that reinforcing is of specified type, grade and size; that it is free of ice, mud, oil, or other deleterious coatings that decrease bond. Prestressing reinforcement shall be free of mill scale, pitting, and excessive rust. A light coating of rust shall be permitted; that it is located and spaced properly; that hooks, bends, ties, stirrups and supplemental reinforcement are placed correctly; that lap lengths, stagger and offsets are provided; that all mechanical connections are installed per the manufacturer's instructions and/or evaluation report; and that minimum clear spacing requirements between bars and lap splices are in accordance with the Detailing provisions of the General Structural Notes.
Cast-in bolts & embeds	Periodic	Inspection of anchors or embeds cast in concrete.
Post-installed adhesive anchors	Continuous	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report. Horizontally or upwardly inclined anchors that resist sustained tension loads require continuous inspection and approved installers.
Post-installed mechanical anchors and adhesive anchors	Periodic	Inspection and approved installers.
Use of required mix design	Periodic	Verify that all mixes used comply with the approved construction documents, ACI 318, CH-19, 26.4.3-26.4.4, and IBC 1904.1.1904.2.
Concrete sampling for strength tests, slump, air content, and temperature	Continuous	Samples for strength tests shall be taken in accordance with ASTM C172, cured per ASTM C31 and tested in accordance with ASTM C1077. Acceptance criteria for strength tests shall be per ACI 318 Section 26.12.3. For each mix placed, samples shall be taken not less than once a day, nor less than once for each 150 yd ³ of concrete, nor less than once for each 5000 ft ² of surface area for slabs or walls. At the fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.
Concrete placement	Continuous	
Curing temperature and techniques	Periodic	Verify that the ambient temperature for concrete is kept at > 50° F for at least 7 days after placement. High-early-strength concrete shall be kept at > 50° F for at least 3 days. Accelerated curing methods may be used (see ACI 318 26.5.3). All concrete materials, reinforcement, forms, fillers, and ground shall be free from frost. In hot weather conditions ensure that appropriate measures are taken to avoid plastic shrinkage cracking and that the specified water/cement ratio is not exceeded.
In-situ strength verification	Periodic	Verify that adequate strength has been achieved prior to the removal of shores and forms.
Formwork	Periodic	Verify that the forms are placed plumb and conform to the shapes, lines, and dimensions of the members as required by the approved construction documents.
Welding of Reinforcing Steel (IBC Table 1705.3):		
Verification of weldability	Periodic	Verify weldability of reinforcing steel other than A706 based upon carbon equivalent and in accordance with AWS D1.4. Continuous inspection is required for welding of reinforcing steel used in intermediate or special concrete moment frames, boundary elements of special structural walls or shear reinforcement.
Other reinforcing steel	Periodic	Visually inspect all welds in accordance with AWS D1.4.
Single-pass fillet welds, 5/16" max	Periodic	
All other welds	Continuous	

Masonry Construction per IBC Section 1705.4

Item	Frequency	Detailed Instructions
Prior to Construction (Table 3, TMS-602-16):		
Review material certificates, mix designs, test results and construction procedures	Periodic	Verify that materials conform to the approved construction documents. Mix design, test results, material certificates, and construction procedures should be submitted to inspector for review. Mortar mix designs shall conform to ASTM C 270 while grout shall conform to ASTM C 476. Material certificates shall be provided for reinforcement, anchors, ties, fasteners, and metal accessories, masonry units, mortar and grout materials. Construction procedures for cold-weather or hot-weather construction shall be reviewed.
Verify f _m prior to construction	Periodic	Determine the compressive strength for each wythe by the "unit strength method" or by the "prism test method" as specified in Section 1.4 B of ACI 530.1-13 prior to construction.
As Masonry Construction Begins (Table 4, TMS-602-16):		
Proportions of site-prepared mortar	Periodic	Verify that mortar is of the type and color specified on the construction documents, that it conforms to ASTM C 270, and that it is mixed in accordance with Article 2.6 A of TMS-602-16.
Reinforcement, connectors, and anchorages	Periodic	Verify that reinforcement, connectors, and anchorages are of the proper grade, type and size in accordance with Article 3.4 of TMS-602-16.
Sample panel	Periodic	Verify that sample panels are properly constructed and that subsequent work conforms per Article 1.6 D of TMS-602-16. (If Risk Category IV this should be performed on a continuous basis.)
Construction of mortar joints	Periodic	Verify that mortar joints comply with Article 3.3 B of TMS-602(A) 530.1-13.
Preparation of required grout specimens, mortar specimens and/or prisms shall be observed	Periodic	If the prism test method is used a minimum of three prisms shall be constructed in accordance with ASTM C1314. If the unit strength method is selected the compressive strength of the grout shall be determined per ASTM C1018 (not required if grout complies with ASTM C476).
Prior to Grouting (Table 4, TMS-602-16):		
Grout space	Periodic	Verify that grout space is free of mortar droppings, debris, loose aggregate, and other deleterious materials and that cleanouts are provided per Article 3.2 D and 3.2 F of TMS-602-16.
Grade, type, and size of reinforcement and anchor bolts	Periodic	Verify that reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors comply with the approved construction documents and Section 1.6 of TMS 402/ACI 530.1-13.
Placement of reinforcement and connectors and anchor bolts	Periodic	Verify that reinforcement, joint reinforcement, wall ties, anchor bolts and veneer anchors are installed in accordance with the approved construction documents and Articles 3.2 E and 3.4 of TMS-602-16.
Placement of masonry units and construction of mortar joints	Periodic	Verify that face shells and head joints are fully mortared and that vertical cells are aligned and unobstructed openings for grout are provided. All units are to be clean and placed while mortar is soft and plastic. Verify that mortar joints are placed in accordance with Article 3.3 B of TMS 602/ACI 530.1-13.
During Masonry Construction (Table 4, TMS-602-16):		
Materials and procedures	Periodic	Ensure that materials and procedures conform to the approved construction documents and Article 1.5 of TMS-602-16.
Placement of masonry units and mortar joint construction	Periodic	Verify that masonry units are properly placed and that mortar joint construction conforms to Article 3.3 B of TMS-602-16.
Size and location of structural elements	Periodic	Verify the locations of structural elements with respect to the approved plans and confirm that tolerances meet the requirements of Article 3.3 F of TMS-602-16.
Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	Periodic	Verify that correct anchorages and connections are provided per the approved plans and Sections 1.2.1, 6.2.1 and 6.3.1 of TMS-602-16.
Welding of reinforcement	Continuous	
Preparation, construction, and protection of masonry during cold weather (<40°F) or hot weather (>90°F)	Periodic	Verify that cold-weather construction is performed in accordance with Article 1.8 C of TMS-602-16 and hot weather construction per Article 1.8 D of TMS-602-16.
Observation of grout specimens, mortar specimens, and/or prisms	Periodic	Confirm that specimens/prisms are performed as required by Article 1.4 B of TMS-602-16.
Self-consolidating grout	Continuous	
Minimum Testing:		
Verification of Slump Flow and Visual Stability Index (VSI) for self-consolidating grout	Periodic	Compressive strength tests should be performed in accordance with ASTM C 1019 for slump flow and ASTM C 1611 for VSI.

Verification of f _m	Periodic	Determine the compressive strength for each wythe by the "unit strength method" or by the "prism test method" as specified in Article 1.4 B of TMS 602-16 prior to construction. (For Risk Category IV buildings this should be verified at every 5,000ft ³ of construction.)
Verification of proportions of pre-banded mortar and grout	Periodic	Verify that proportions for mortar meet ASTM C 270 and proportions for grout meet ASTM C 476.
Post-installed anchors or dowels		All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report.

Cold-Formed Steel Light-Frame Construction per IBC Sections 1705.2.4, 1705.11.2 & 1705.12.3, and 1705.12.9

Item	Frequency	Detailed Instructions
Wind-Force-Resisting Systems (WFRS)	Periodic	Periodic inspections of welding operations. If fastener spacing is less than 4 inches on center, verify that proper screw attachment, bolting, anchoring and other fastening of shear walls, diaphragms, drag struts, braces, shear panels and holdowns has occurred. Performed by code inspection firm.

Soils per IBC Section 1705.6

Item	Frequency	Detailed Instructions
Verify subgrade is adequate to achieve design bearing capacity	Periodic	Prior to placement of concrete.
Verify excavations extend to proper depth and material	Periodic	Prior to placement of compacted fill or concrete.
Verify that subgrade has been appropriately prepared prior to placing compacted fill	Periodic	Prior to placement of compacted fill.
Perform classification and testing of compacted fill materials	Periodic	All materials shall be checked at each lift for proper classifications and gradations not less than once for each 10,000 ft ³ of surface area.
Verify proper materials, densities and lift thicknesses during placement and compaction.	Continuous	



MHTN

ARCHITECTS

MHTN Architects, Inc.

280 South 400 West
Suite 250
Salt Lake City, Utah 84111
Telephone (801) 565-8700
www.mhtn.com



REAVELEY

Engineers

250 East 200 South, Suite 1000
Salt Lake City, Utah 84111
801.486.3883
www.reaveley.com

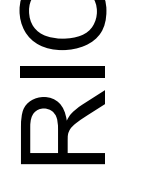


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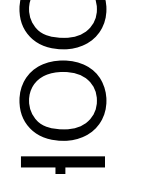
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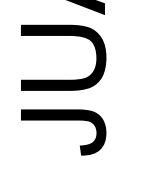


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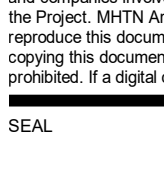
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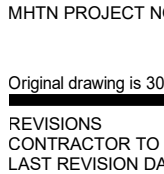


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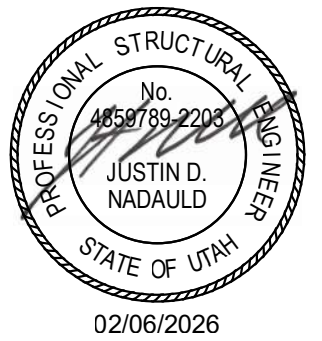
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801.486.3883
www.reaveley.com



REAVELEY
Engineers

250 East 200 South, Suite 1000
Salt Lake City, Utah 84111
801 486 3883
www.reaveley.com

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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
**ENLARGED
FOOTING AND
FOUNDATION
PLANS**

SB102

[RETURN TO INDEX](#)

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

525 North 100 East, Blanding, Utah 84511

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

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME

ENLARGED
FOOTING AND
FOUNDATION
PLANS

SB103

[RETURN TO INDEX](#)

EXISTING BUILDING 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.

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.

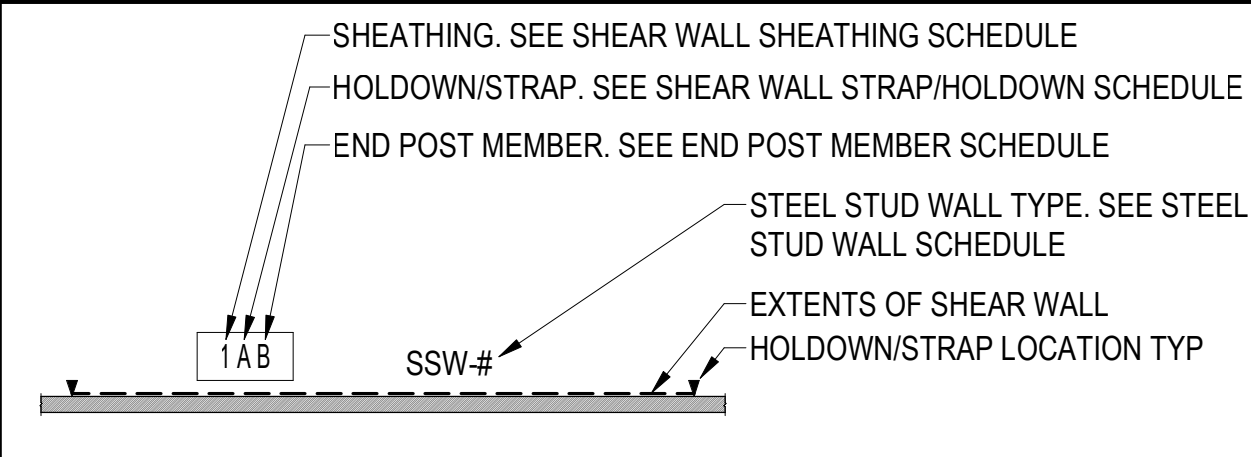
FOOTING & FOUNDATION PLAN NOTES

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.  INDICATES EXISTING SLOPED FLOOR TO BE LEVELED PER DETAIL D4/**SB502**. SEE ARCH FOR EXTENTS.

SLAB ON GRADE PLAN NOTES

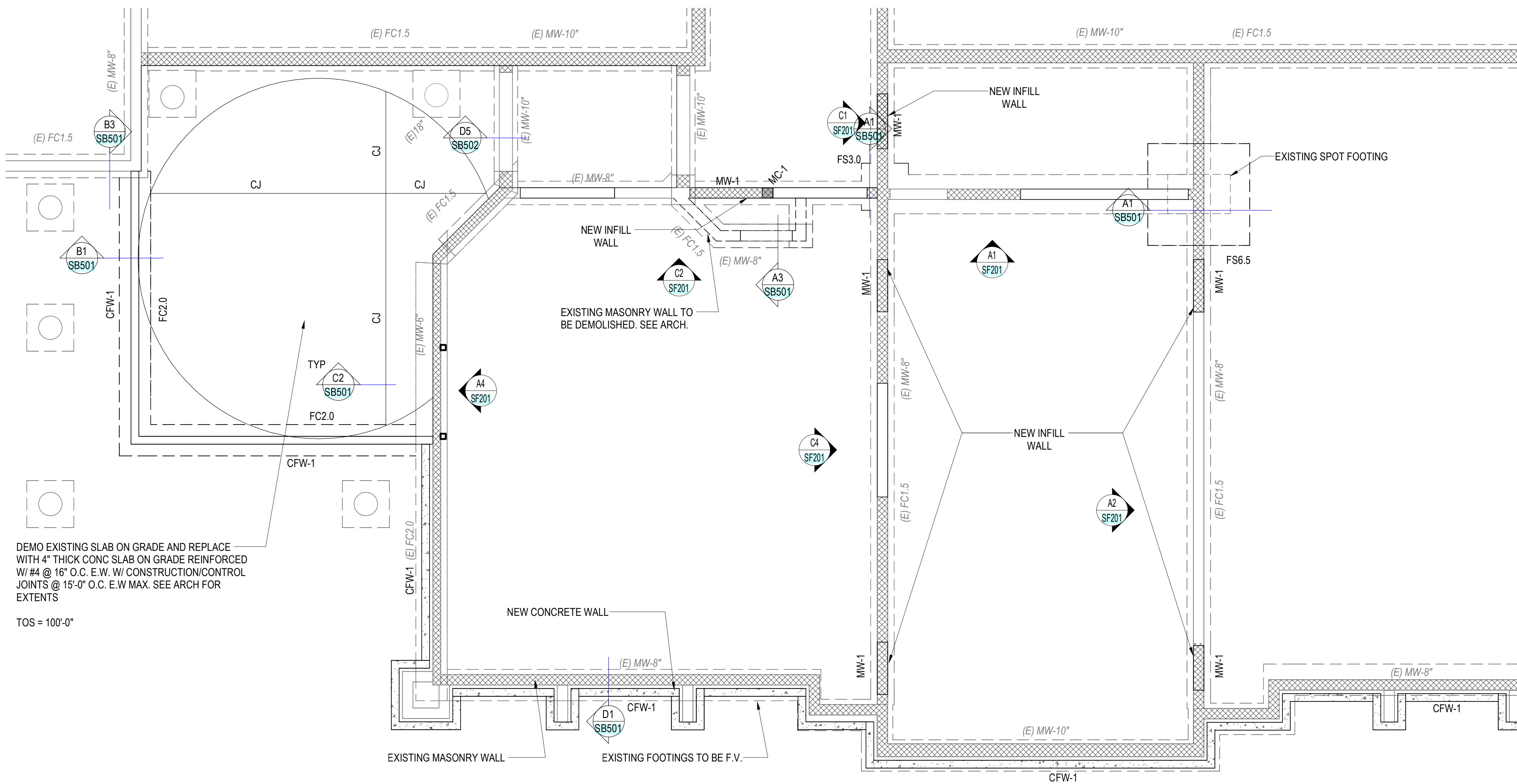
1. ALL SLABS ON GRADE SHALL BE 4 INCHES THICK, UNLESS NOTED OTHERWISE. SEE TYPICAL CONCRETE SLAB ON GRADE PROFILE DETAIL B5/[B501](#) FOR SUBGRADE REQUIREMENTS.
2. SEE ARCHITECTURAL, CIVIL AND LANDSCAPE DRAWINGS FOR EXTERIOR CONCRETE WORK AT DOORS, SIDEWALKS, ETC.
3. SEE ARCHITECTURAL DRAWINGS AND FINISH 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/[B501](#)
5. SUBMIT SLAB ON GRADE CONTROL JOINT PLAN FOR REVIEW.

STEEL STUD SHEAR WALL LEGEND



STEEL STUD SHEAR WALL NOTES

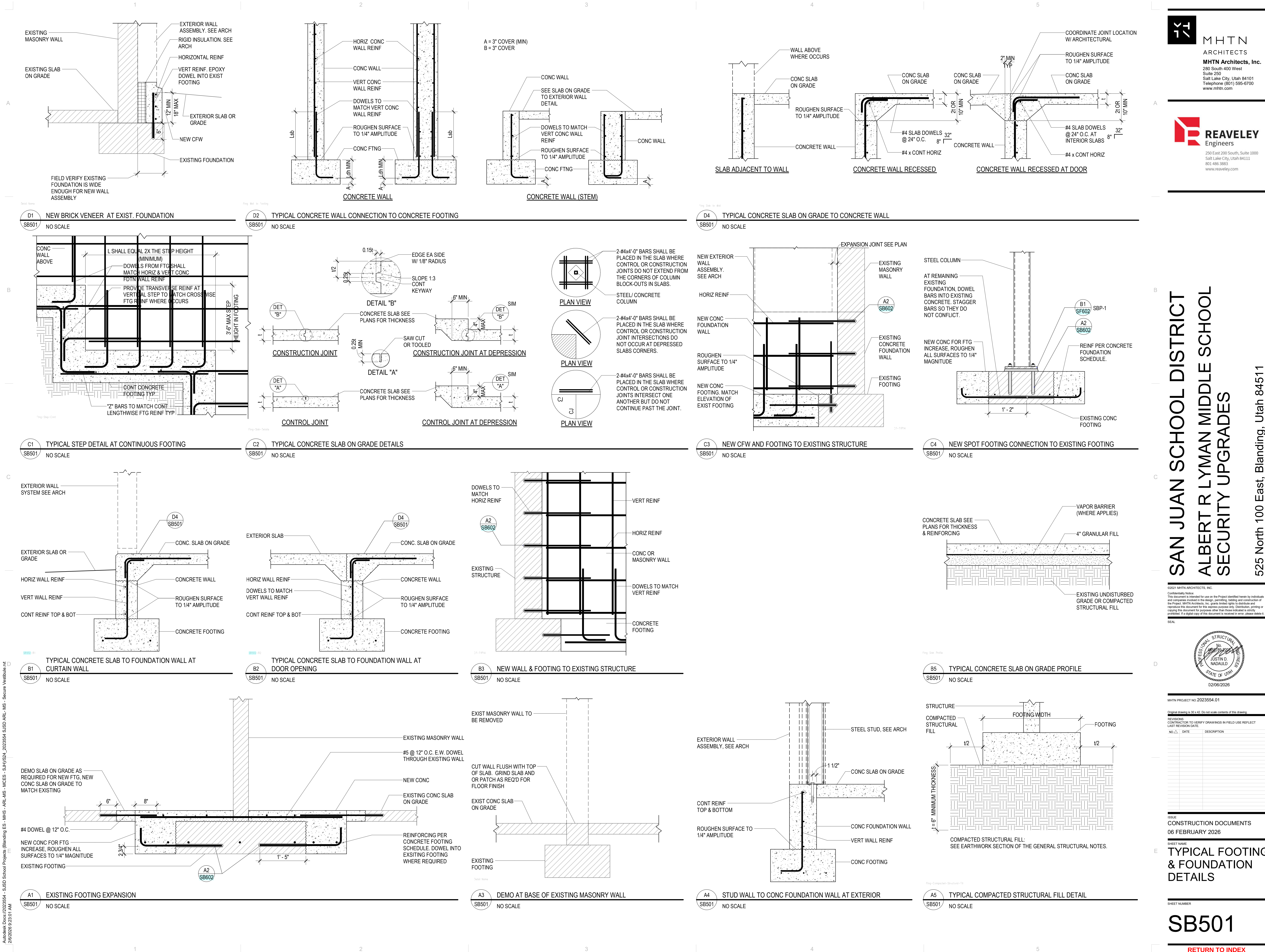
1. VERIFY ALL DATUM ELEVATIONS W/
ARCHITECTURAL DRAWINGS.
2. VERIFY ALL OPENING LOCATIONS AND DIMENSIONS
WITH ARCHITECTURAL AND STRUCTURAL. NOTIFY
ARCHITECT AND ENGINEER OF ANY DISCREPANCIES.
3. SEE SW604 FOR SHEAR WALL END POST MEMBER
SCHEDULES & DETAILS.
4. CONCRETE FOOTINGS TO BE CENTERED ON
CONCRETE 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.

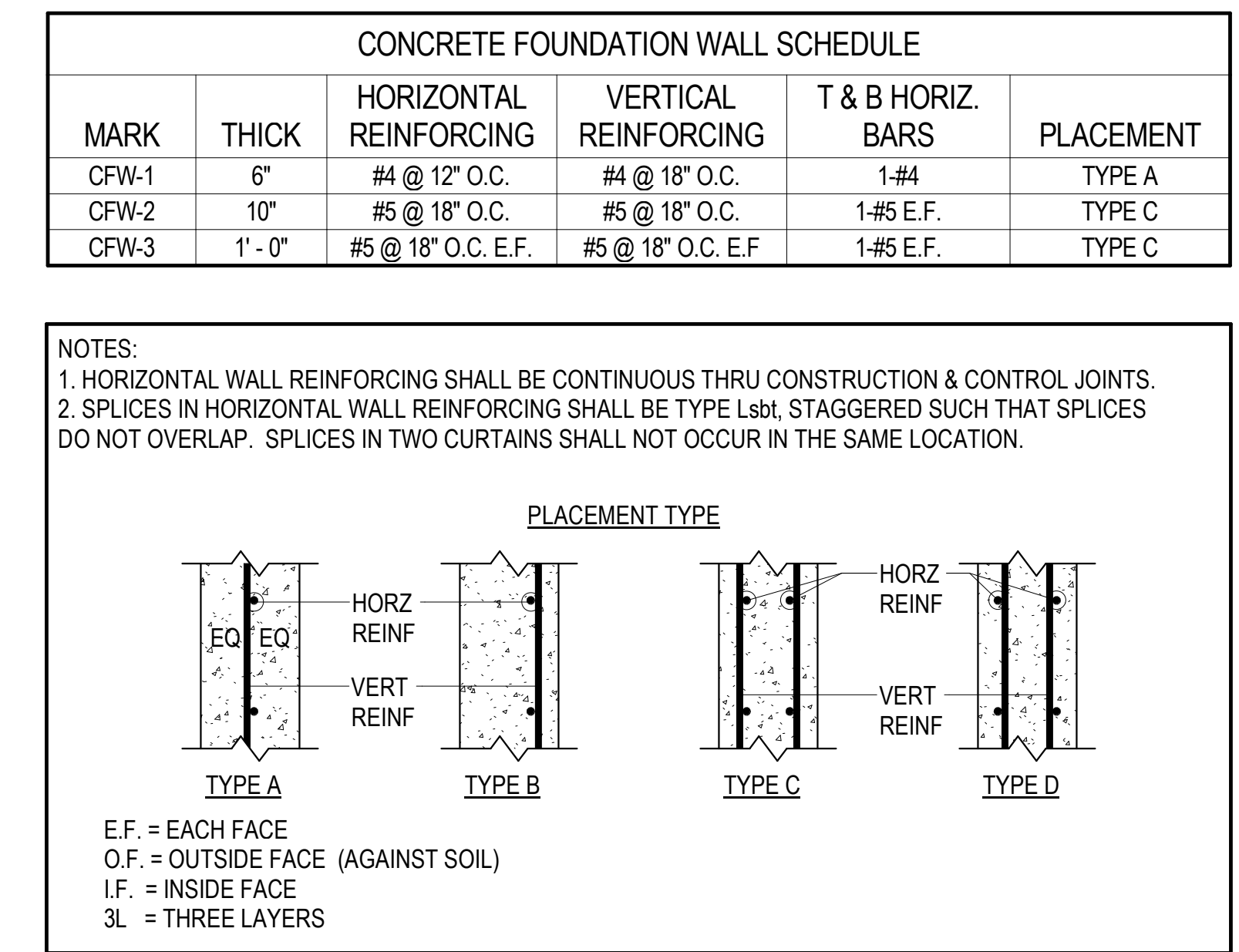


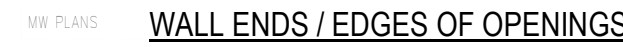
DEMO EXISTING SLAB ON GRADE AND REPLACE —
WITH 4" THICK CONC SLAB ON GRADE REINFORCED
W/ #4 @ 16" O.C. E.W. W/ CONSTRUCTION/CONTROL
JOINTS @ 15'-0" O.C. E.W MAX. SEE ARCH FOR
EXTENTS

TOS = 100'-0"

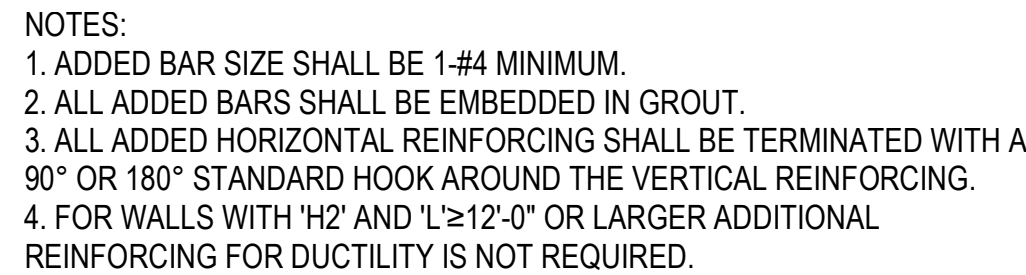
A1 ENLARGED FOOTING AND FOUNDATION PLAN - ADMIN
SB103 SCALE: 1/4" = 1'-0"







SB611 NO SCALE



SB611 NO SCALE

SB611 NO SCALE

SB611 NO SCALE

SB611 NO SCALE

NOTES

1. HORIZONTAL WALL REINFORCING BARS SHALL BE CONTINUOUS THROUGH MASONRY COLUMNS. AT WALL ENDS OR OPENINGS TERMINATE HORIZONTAL WALL REINFORCING WITH A 90° OR 180° HOOK.
2. FOR TYPE 2 & 2A COLUMNS, HORIZONTAL WALL REINFORCING SHALL BE LOCATED TO THE INSIDE OF VERTICAL COLUMN BARS.
3. UNLESS NOTED OTHERWISE, VERTICAL COLUMN REINFORCING AND TIES SHALL EXTEND THE FULL STORY HEIGHT OF THE WALL.
4. MASONRY COLUMN VERTICAL BARS OR DOWELS IN CONCRETE FOUNDATION WALLS SHALL HAVE TIES TO MATCH MASONRY COLUMN TIES.
5. VERTICAL REINFORCING IN TYPE 1 & 2 COLUMNS SHALL BE DISTRIBUTED EQUALLY IN EACH CELL.
6. PLACE VERTICAL COLUMN BARS IN EACH END CELL FOR TYPE 1A & 2A COLUMNS. REMAINING REINFORCING SHALL BE SPACED EQUALLY THROUGHOUT THE COLUMN WITH ONE BAR PER CELL FOR TYPE 1A AND TWO BARS PER CELL FOR TYPE 2A.
7. ALL CELLS IN COLUMNS SHALL BE GROUTED SOLID.



SB611 NO SCALE

NOTES:

1. CLASS A SPLICES MAY BE USED WHEN ONLY ONE BAR IS CONTINUOUS IN THE MASONRY CELL OR COURSE.
2. CLASS B SPLICES SHALL BE USED WHEN TWO BARS ARE CONTINUOUS IN THE MASONRY CELL OR COURSE.
3. ** INDICATES THAT A LAP SPlice IS NOT ALLOWED AND MECHANICAL BAR COUPLERS ARE REQUIRED FOR THE BAR SPLICES. SPLICES SHALL BE OFFSET 2'-0" TO AVOID CONGESTION.
4. WHERE VERTICAL BARS HAVE A REQUIRED LAP SPlice GREATER THAN THE HEIGHT OF THE GROUT POUR, THE BAR SPlice SHALL BE MADE WITH A MECHANICAL BAR COUPLER. WHERE THE HEIGHT OF THE GROUT POUR EXCEEDS 60 INCHES, HIGH LIFT GROUTING PROCEDURES SHALL BE FOLLOWED.
5. WHERE MECHANICAL BAR COUPLERS ARE USED, THE CONNECTOR SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION AND COMPRESSION.

NOTES:

1. MASONRY LINTELS ML-1 THROUGH ML-4 SHALL BE USED OVER OPENINGS IN MASONRY WALLS WHEN A SPECIFIC MASONRY LINTEL IS NOT OTHERWISE SPECIFIED. THE MASONRY LINTEL TO BE USED SHALL BE DETERMINED BY THE MAXIMUM SPAN AS SPECIFIED IN THIS SCHEDULE. WHEN A SPECIFIC MASONRY LINTEL IS CALLED OUT ON THE PLAN, THE MAXIMUM SPAN AS NOTED IN THIS SCHEDULE SHALL NOT APPLY.
2. MASONRY LINTELS ML-1 THROUGH ML-4 SHALL NOT BE LOCATED BELOW ANY FLOOR, OR ROOF BEAM, OR GIRDER, OR ANY OTHER CONCENTRATED LOAD UNLESS SHOWN. SPECIFICALLY ON THE PLAN SHEET. JOISTS SHALL NOT BEAR ON ANY LINTEL LESS THAN 16" DEEP.
3. FOR MASONRY LINTELS NOT SHOWN ON THE DRAWINGS THAT CARRY ANY FLOOR, OR ROOF BEAM, OR GIRDER, OR ANY OTHER CONCENTRATED LOAD, OR THAT SPAN GREATER THAN 10'-0" CONSULT THE STRUCTURAL ENGINEER.
4. EXTEND ALL HORIZONTAL REINFORCING 48 BAR DIAMETERS BEYOND THE EDGE OF THE OPENING. IF HORIZONTAL REINFORCING CANNOT BE EXTENDED 48 BAR DIAMETERS BEYOND THE EDGE OF THE OPENING, PROVIDE 90 DEGREE STANDARD HOOK.
5. GROUT MASONRY LINTELS MONOLITHICALLY WITH THE SUPPORT WALL OR COLUMN AT EACH END.
6. SPLICE TOP BARS AT MIDSPAN OF LINTEL ONLY.
7. SPLICE BOTTOM BARS OVER SUPPORTS ONLY.
8. FOR WALL ABOVE LINTEL, DOWEL VERTICAL REINFORCING INTO FULL DEPTH OF THE LINTEL OR 48 BAR DIAMETERS, WHICHEVER IS LESS.
9. HORIZONTAL WALL REINFORCING SHALL CONTINUE THROUGH MASONRY LINTELS. WHERE BOTH HORIZONTAL WALL REINFORCING AND LINTEL REINFORCING WOULD OCCUR IN THE SAME COURSE, THE LARGER BARS ARE TO REPLACE THE SMALLER BARS.

SB611 NO SCAL



NON-COMPOSITE FRAMING PLAN NOTES	
1. SEE STEEL DECK SCHEDULE ON SHEET SF603 FOR DECK PROFILE AND DECK ATTACHMENT REQUIREMENTS.	
2. PROVIDE FRAMING AT OPENINGS THROUGH STEEL DECK PER DETAIL D1/SF511 . FOR ROUND OPENINGS LESS THAN 12 INCHES IN DIAMETER SEE DETAIL D2/SF511	
3. VERIFY SIZE WEIGHT, LOCATION AND CONFIGURATION OF ALL ROOF TOP EQUIPMENT WITH ARCHITECT AND MECHANICAL ENGINEER. PROVIDE STEEL FRAMES FOR SUPPORT OF ROOF TOP EQUIPMENT PER DETAIL D3/SF511 COORDINATE OPENINGS WITH MECHANICAL & ELECTRICAL.	

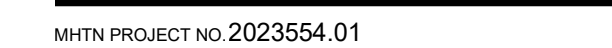


REAVELEY
Engineers

250 East 200 South, Suite 1000
Salt Lake City, Utah 84111
801 496 3883
www.reaveley.com

5225 North 100 East, Blanding, Utah 84511

SEAL



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
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CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS
 ALTERNATIVES

06 FEBRUARY 2026

SHEET NAME

ENLARGED ROOF

ENLARGED ROOF

FRAMING PLANS

FRAMING PLANS

SHEET NUMBER

05100

SF 102

51 102

RETURN TO INDEX

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

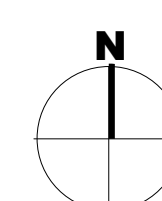
 b) DEMOLISH EXISTING MASONRY WALL TO THE BOTTOM OF THE EXISTING STEEL ROOF DECK.

 c) DEMOLISH EXISTING FOUNDATION

 DEMOLISH TO REMAINING MASONRY WALL AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW SPOT FOUNDATION.

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.

1. SEE STEEL DECK SCHEDULE ON SHEET **SP603** FOR DECK PROFILE AND DECK ATTACHMENT REQUIREMENTS.
2. PROVIDE FRAMING AT OPENINGS THROUGH STEEL DECK PER DETAIL D1/**SP511**. FOR ROUND OPENINGS LESS THAN 12 INCHES IN DIAMETER SEE DETAIL D2/**SP511**
3. VERIFY SIZE WEIGHT, LOCATION AND CONFIGURATION OF ALL ROOF TOP EQUIPMENT WITH ARCHITECT AND MECHANICAL ENGINEER. PROVIDE STEEL FRAMES FOR SUPPORT OF ROOF TOP EQUIPMENT PER DETAIL D3/**SP511**. COORDINATE OPENINGS WITH MECHANICAL & ELECTRICAL.



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

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

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD & USE REFLECT

NO. Δ	DATE	DESCRIPTION
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NO.	DATE	DESCRIPTION

ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

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FNI ARGFD ROC

FRAMING PLANS

FRAMING PLANS

SHEET NUMBER

U.S. Coast Guard

SE103

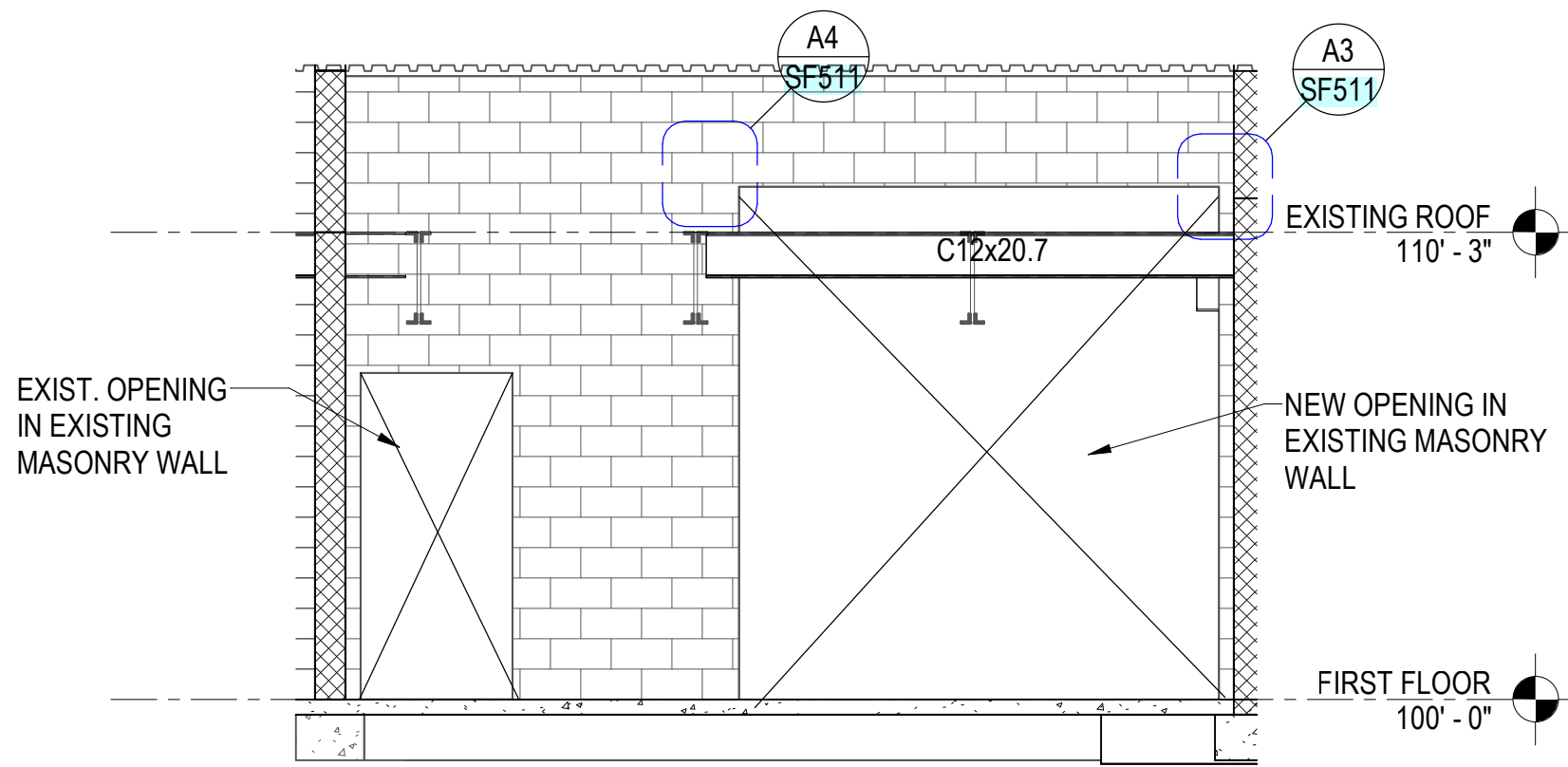
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RETURN TO INDEX

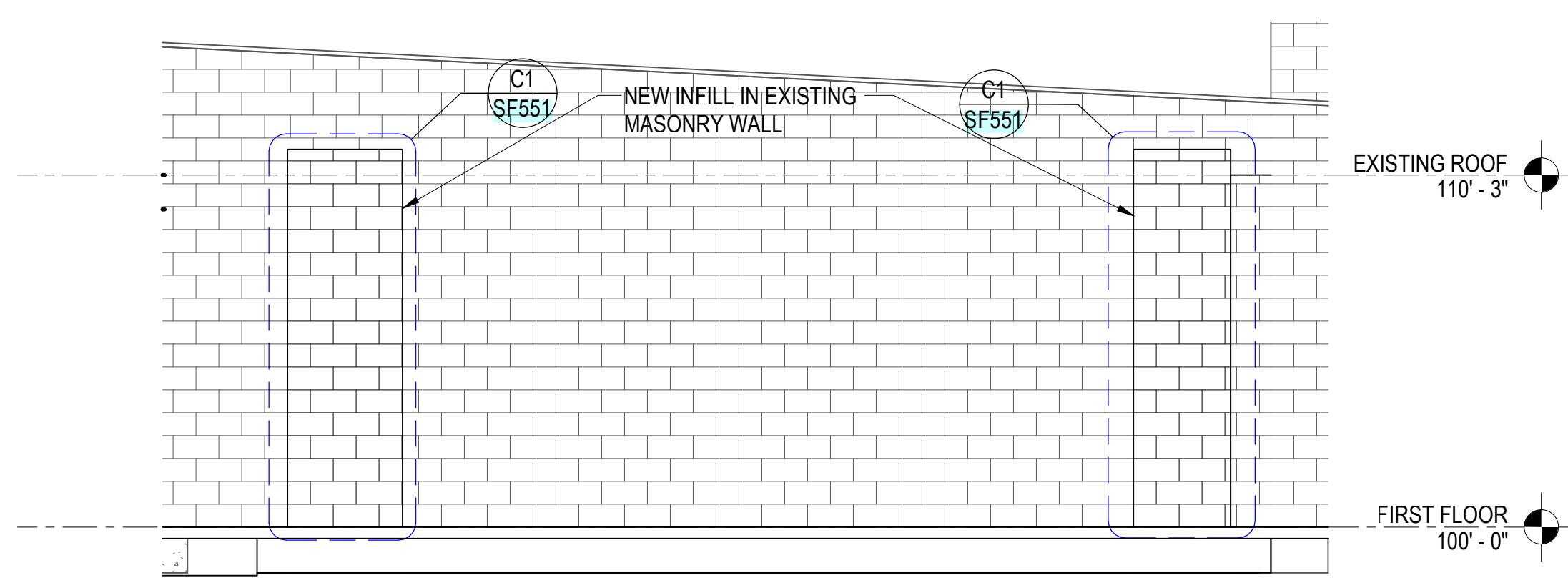
[RETURN TO INDEX](#)

Autodesk Docs/2023554 - SUSD School Projects (Blanding ES - MHS - ARL MS - MCES - SJU/ISD - 2023554 - SUSD ARL MS - Secure Vestibule of 2/6/2026 9:23:09 AM

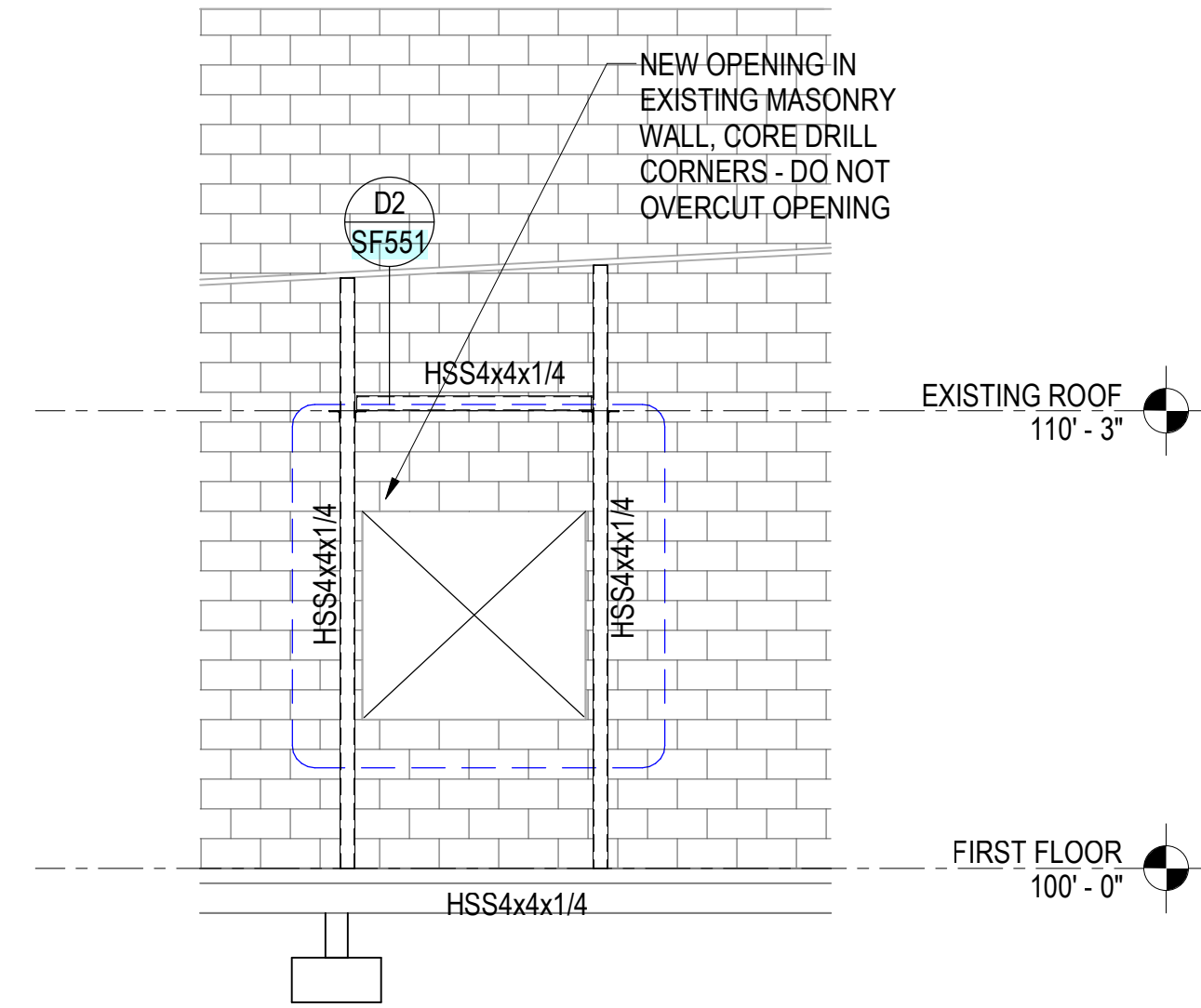
A1 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



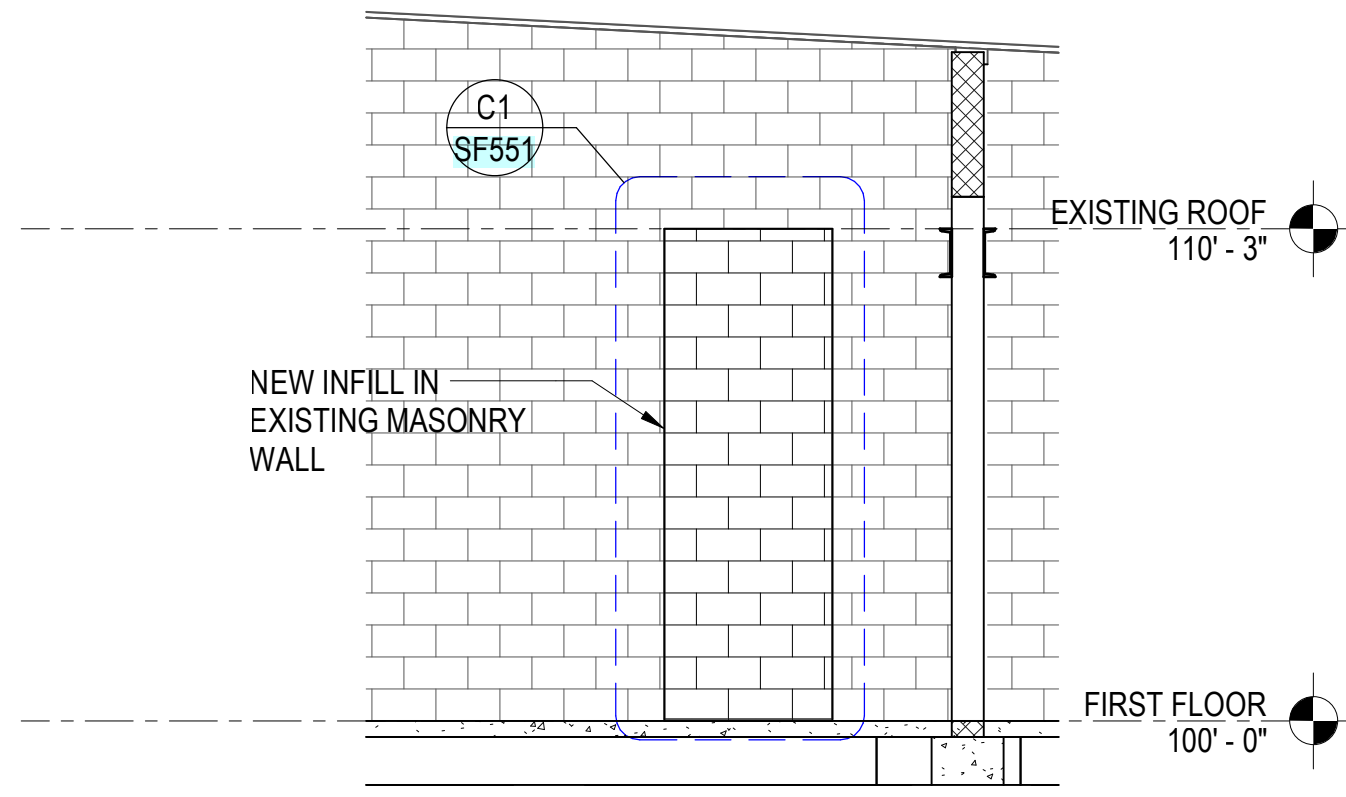
A2 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



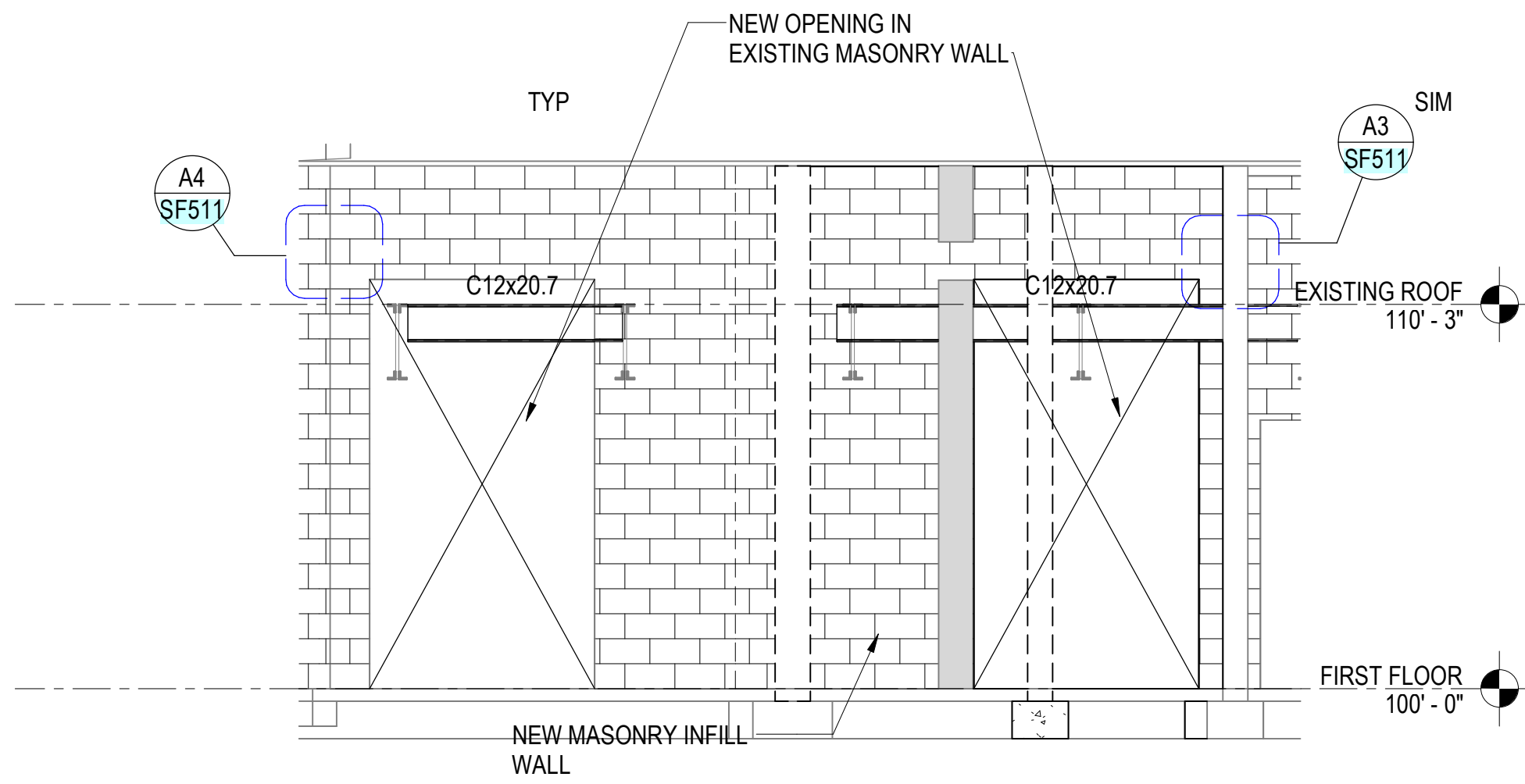
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SCALE: 1/4" = 1'-0"



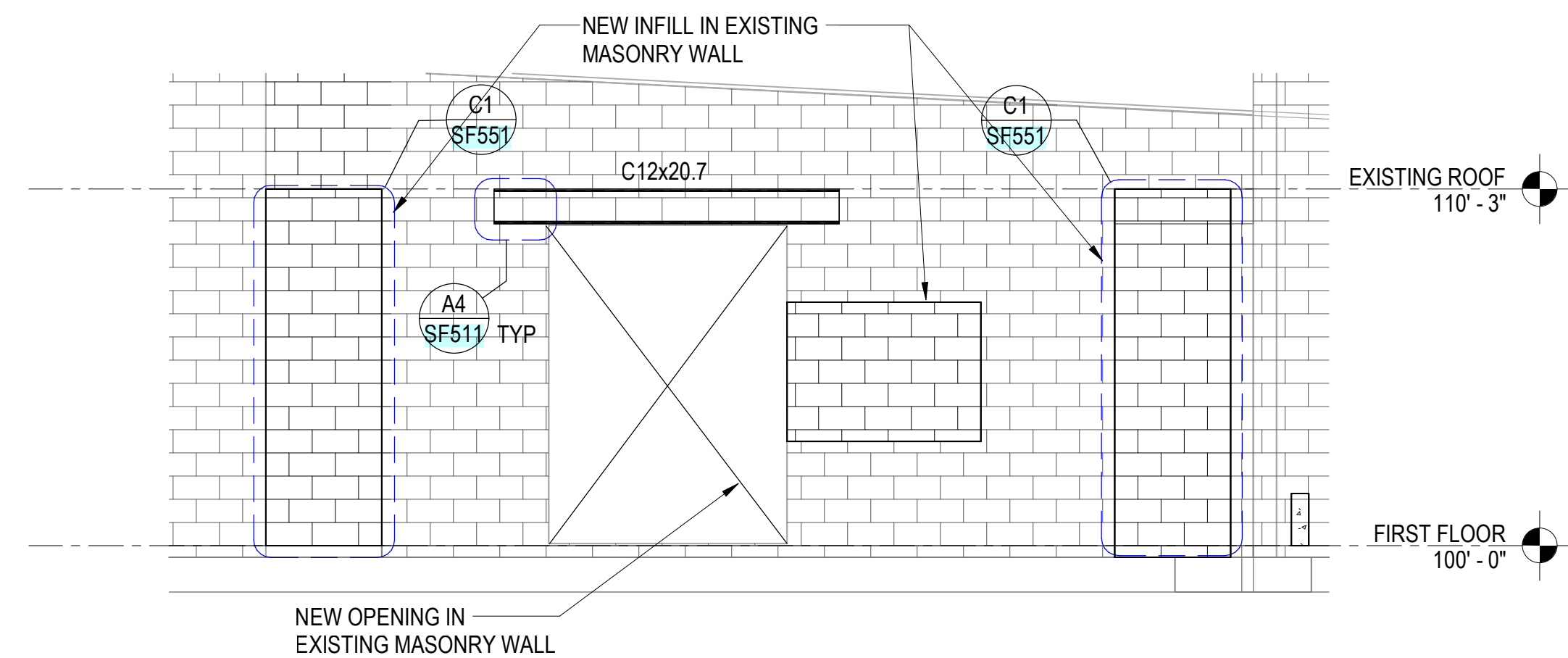
C1 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



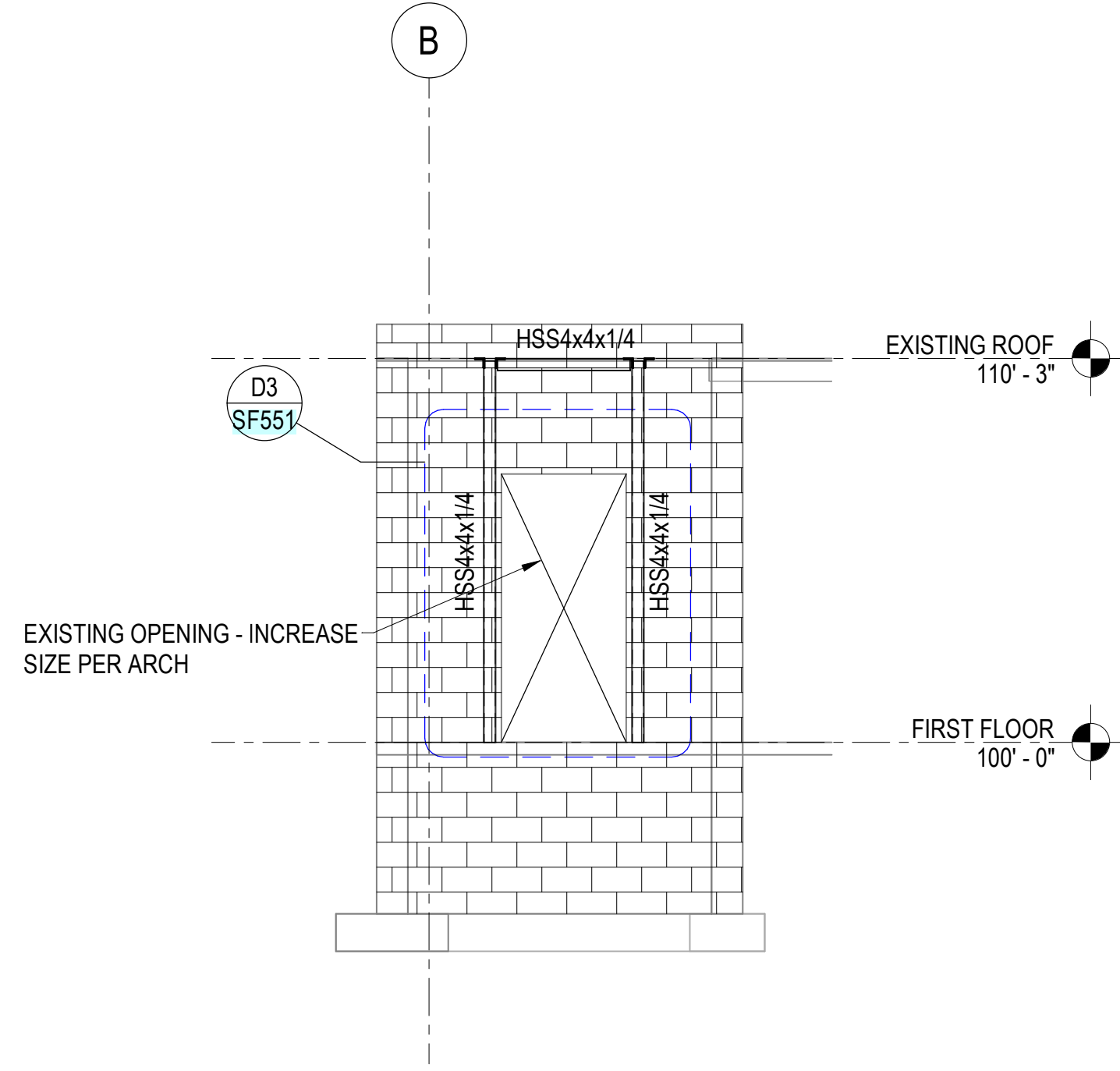
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SCALE: 1/4" = 1'-0"



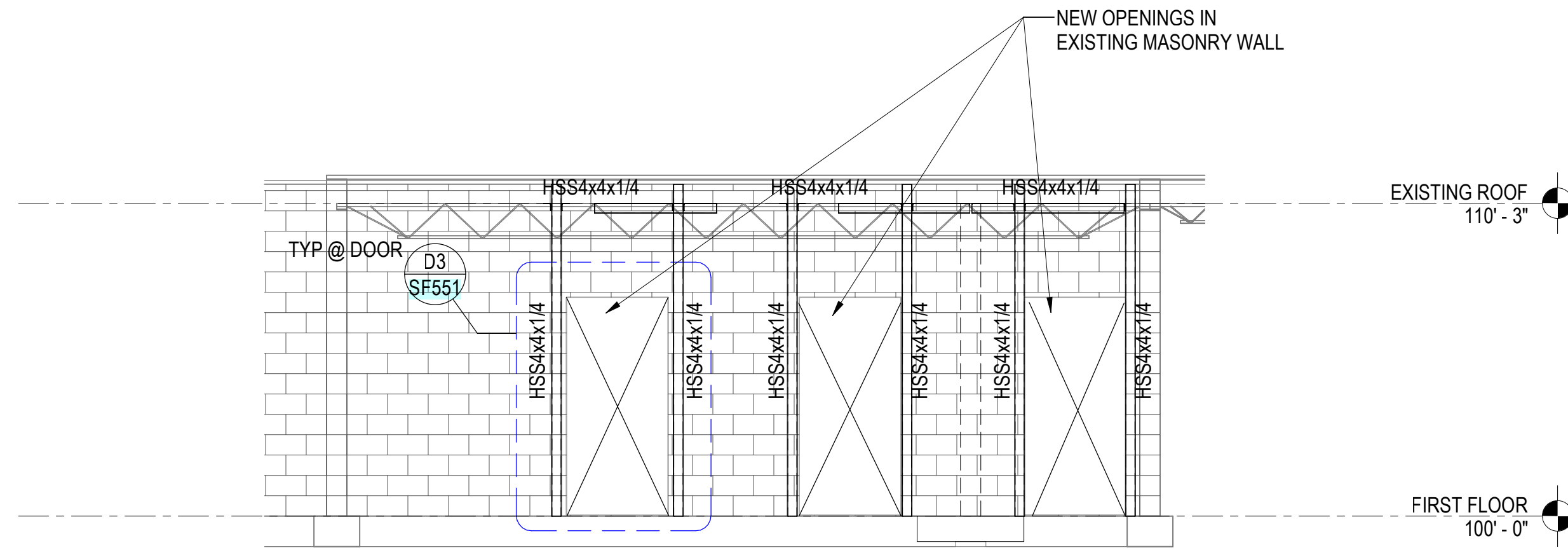
C4 MASONRY WALL ELEVATION
SCALE: 1/4" = 1'-0"



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



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



ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

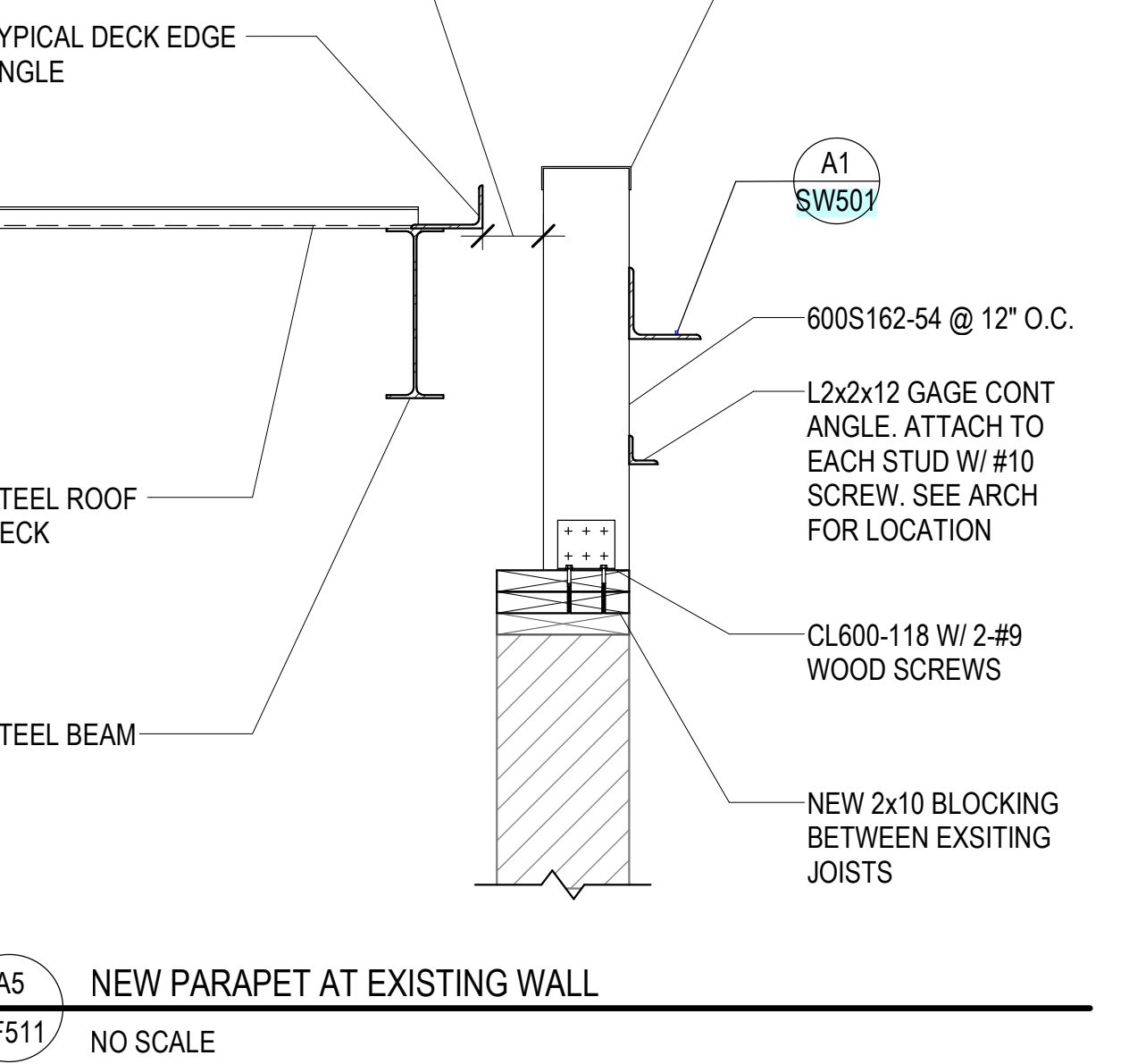
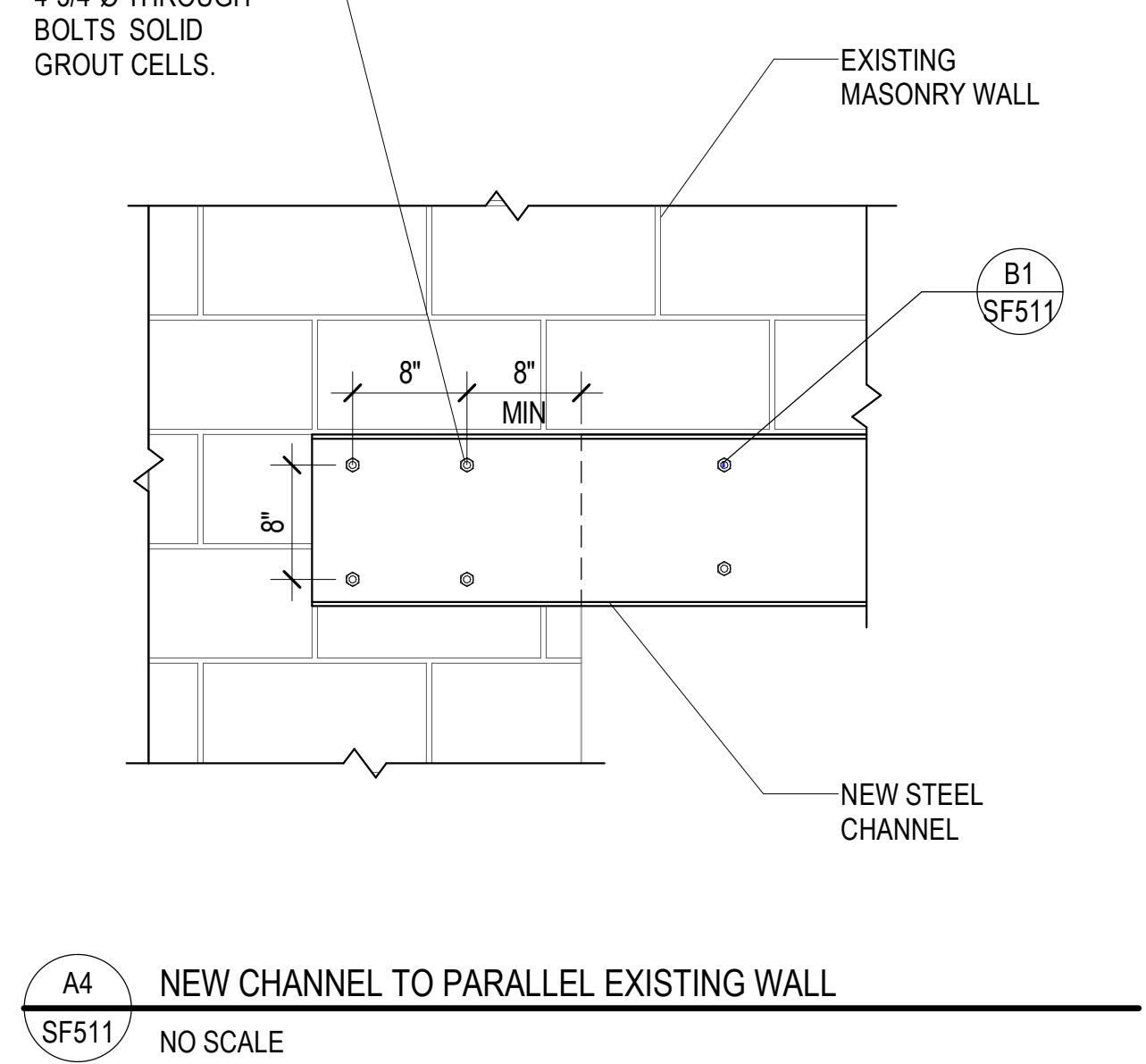
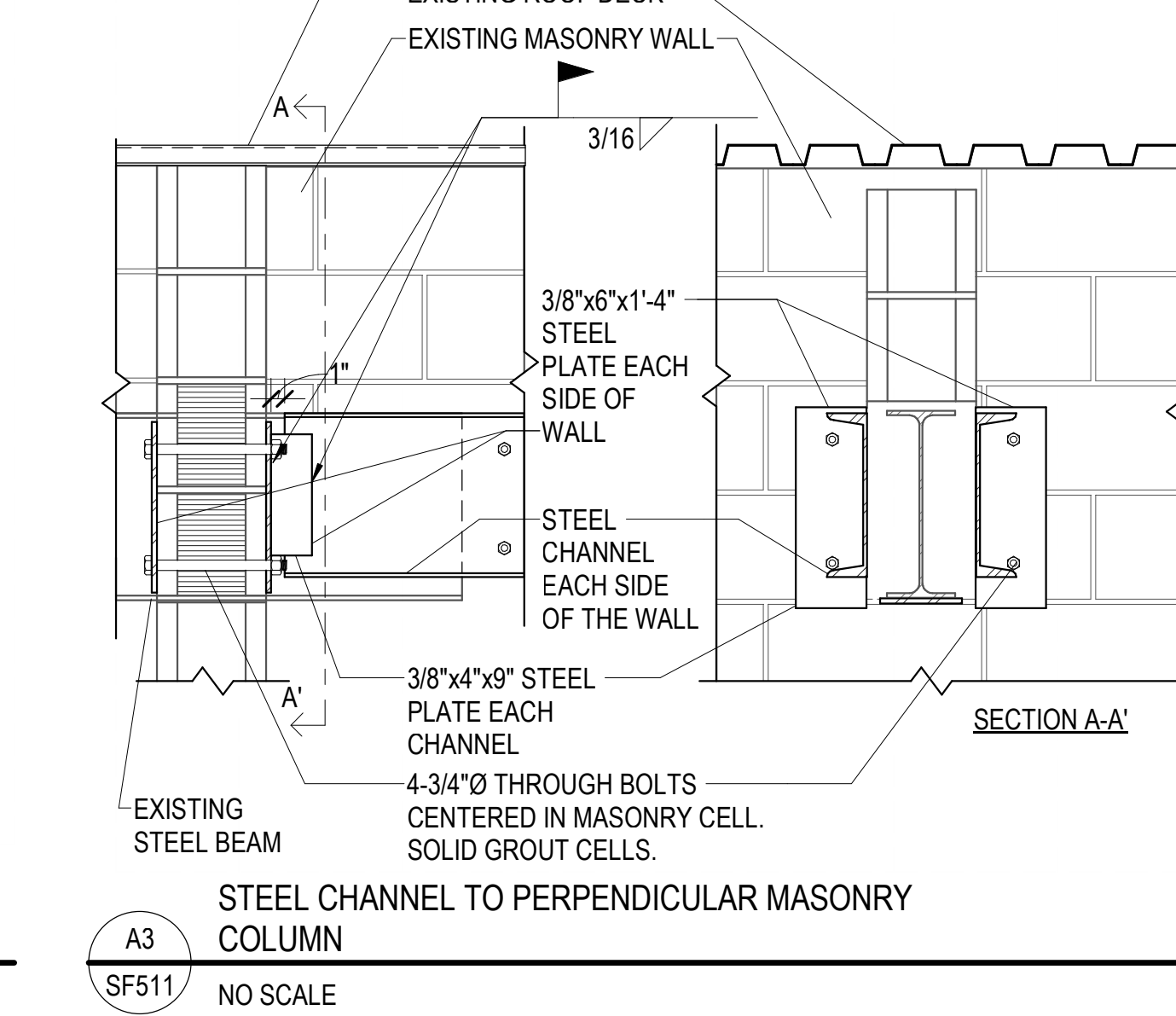
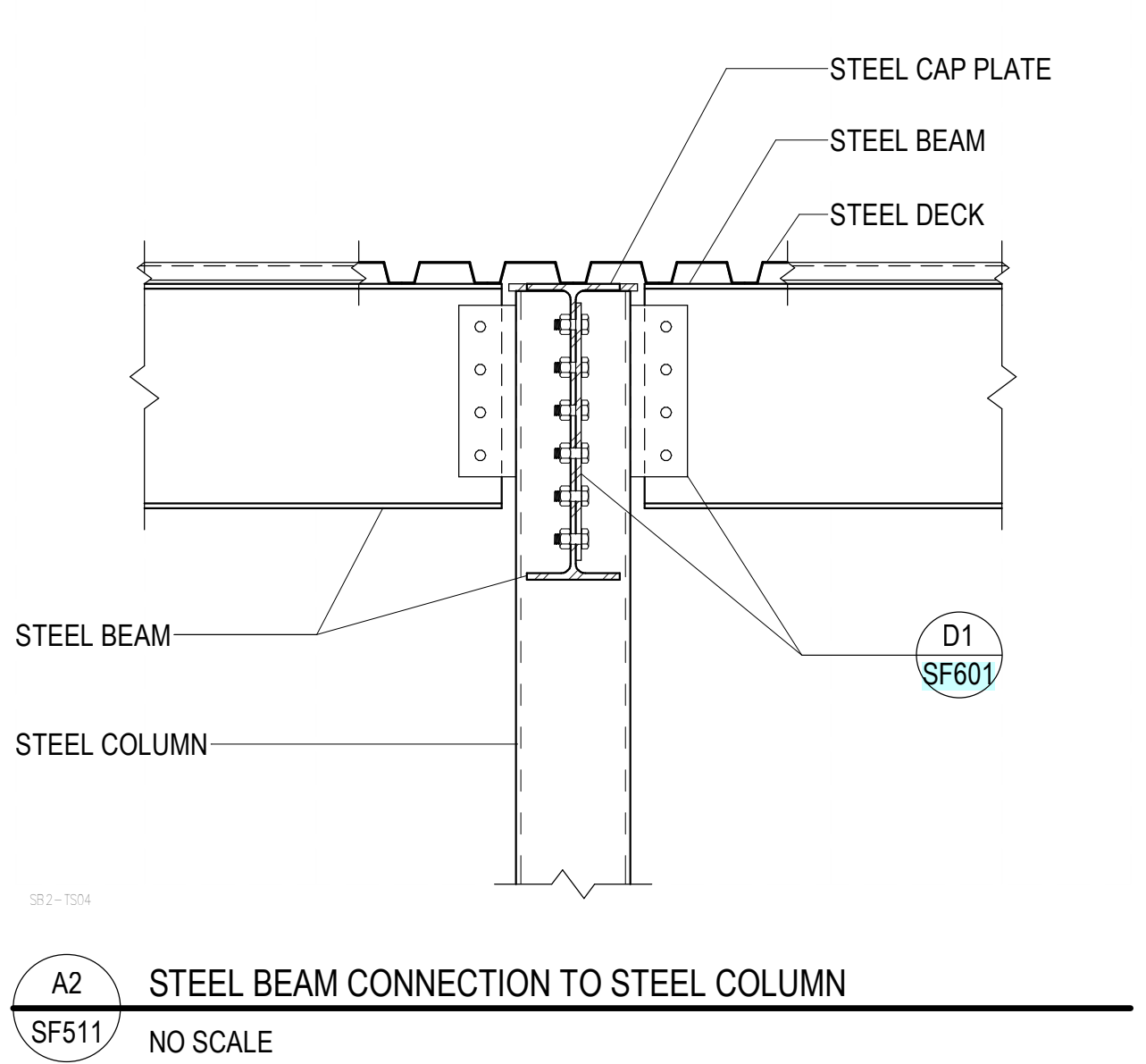
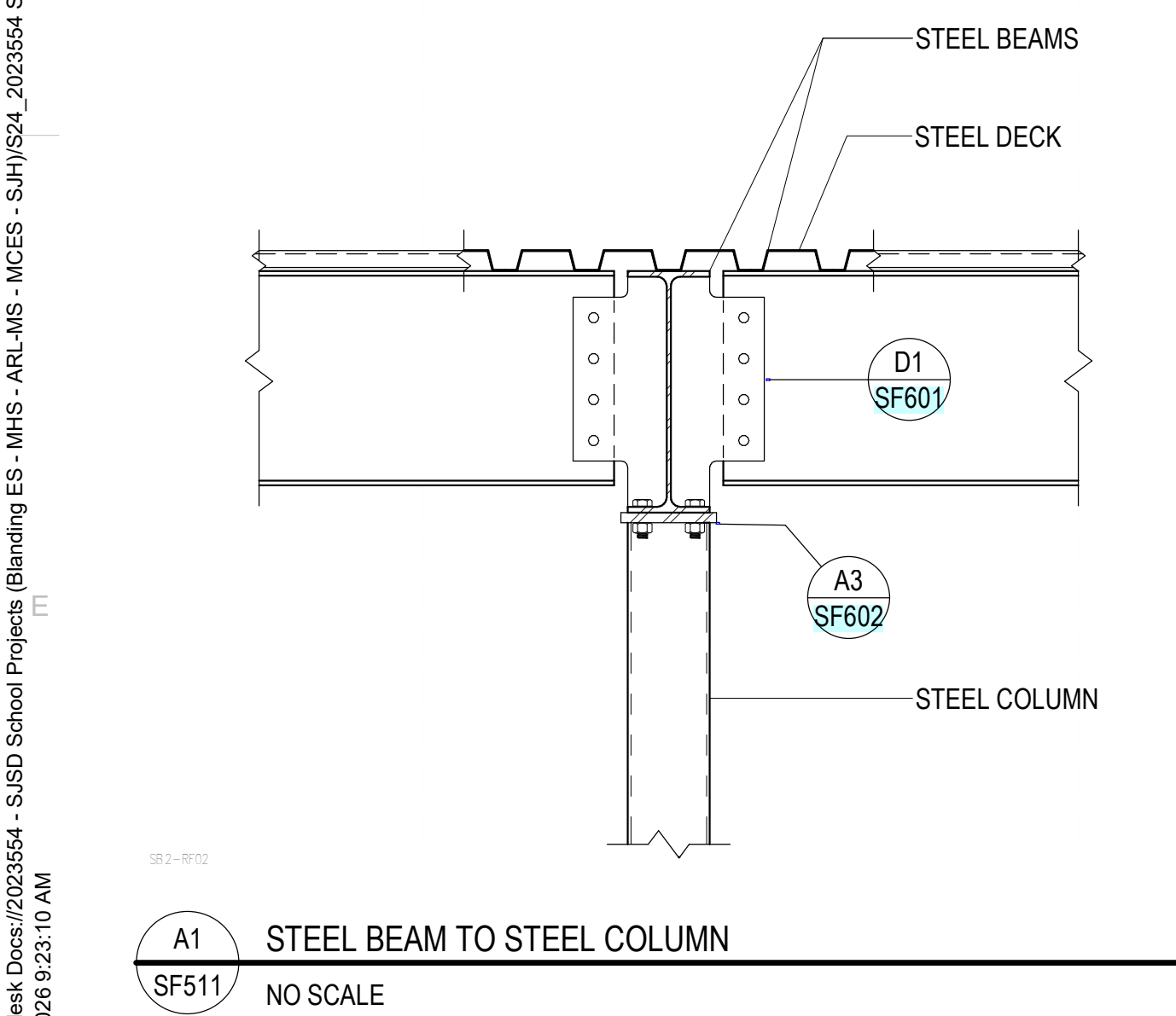
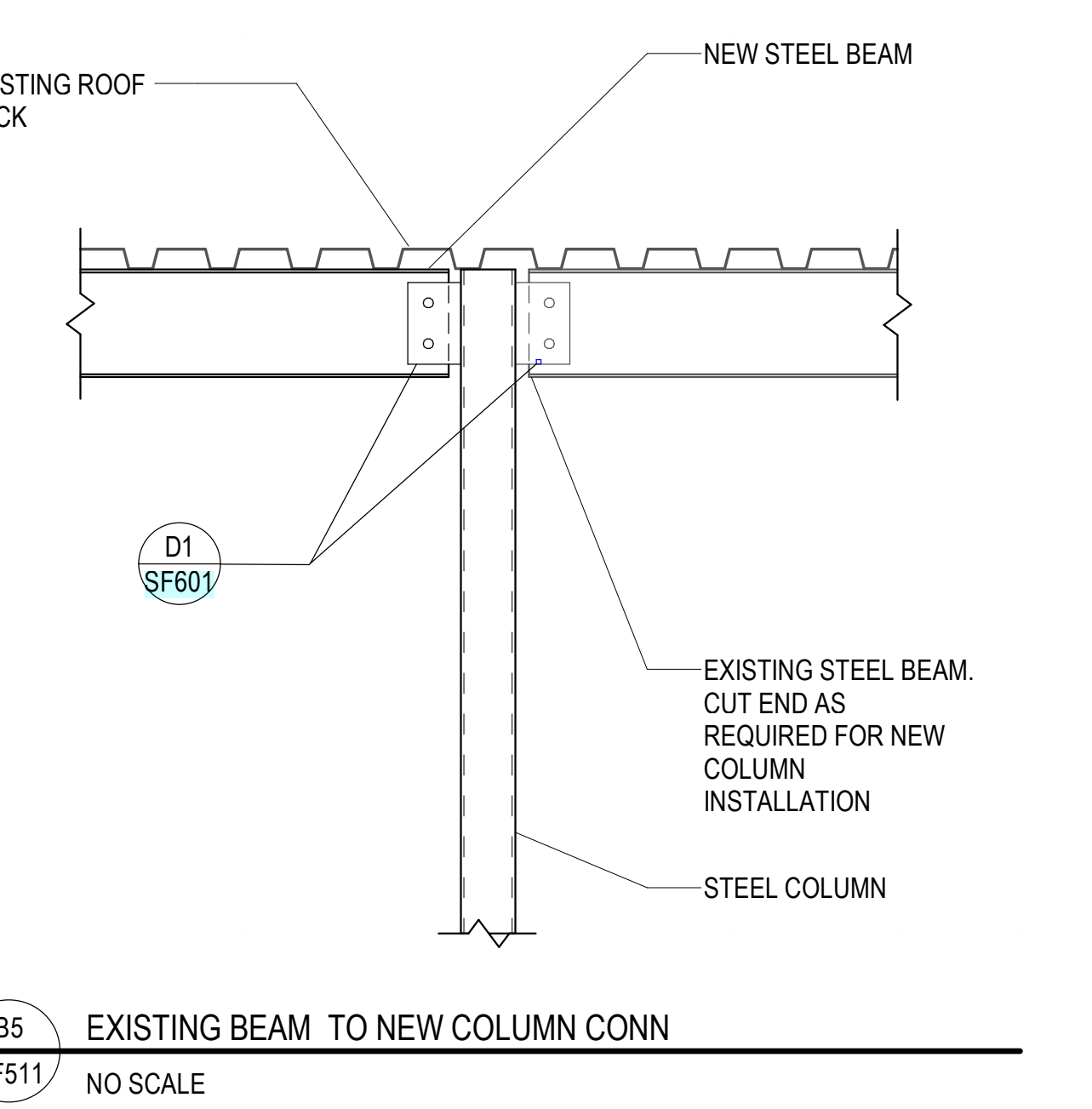
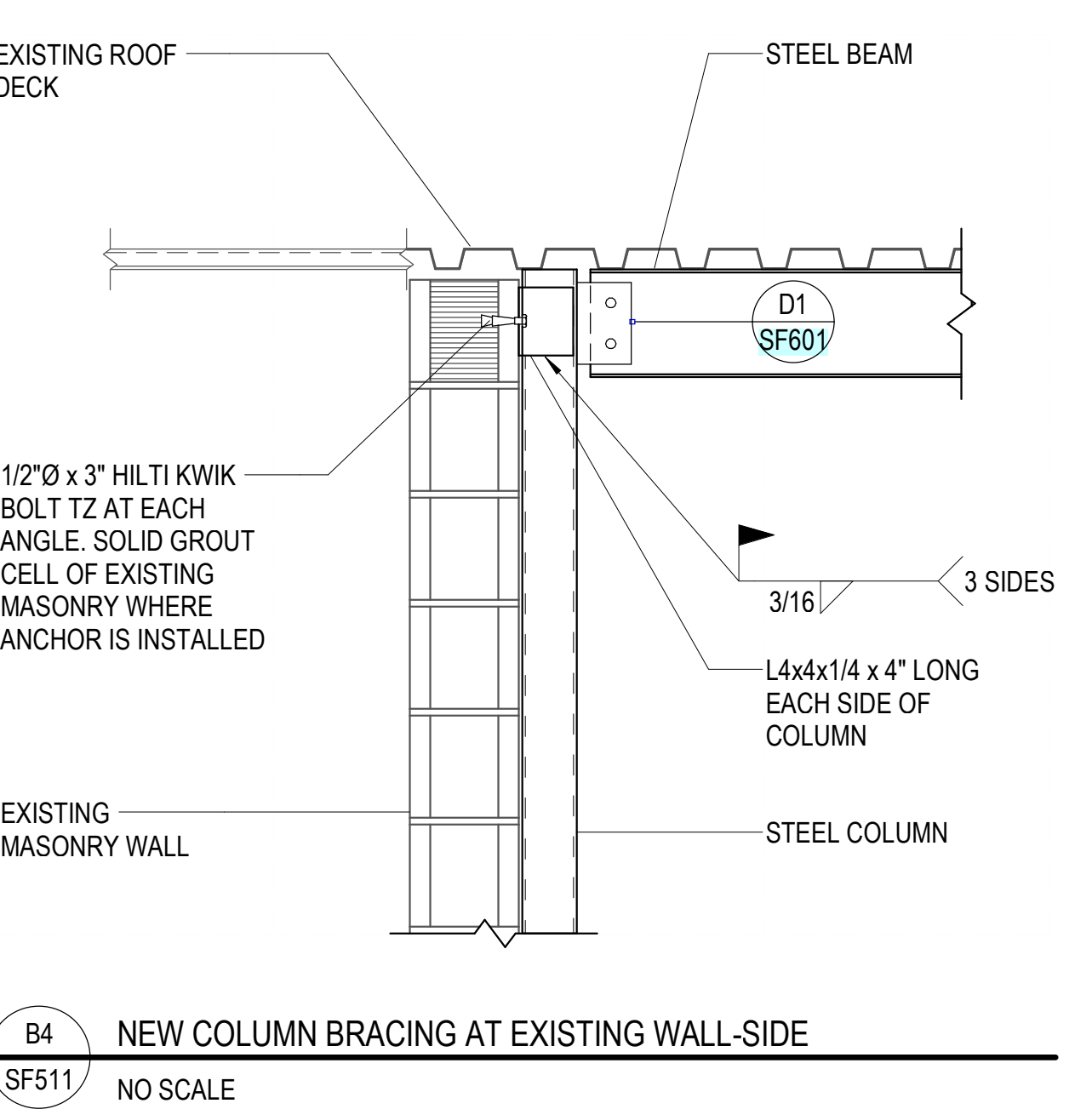
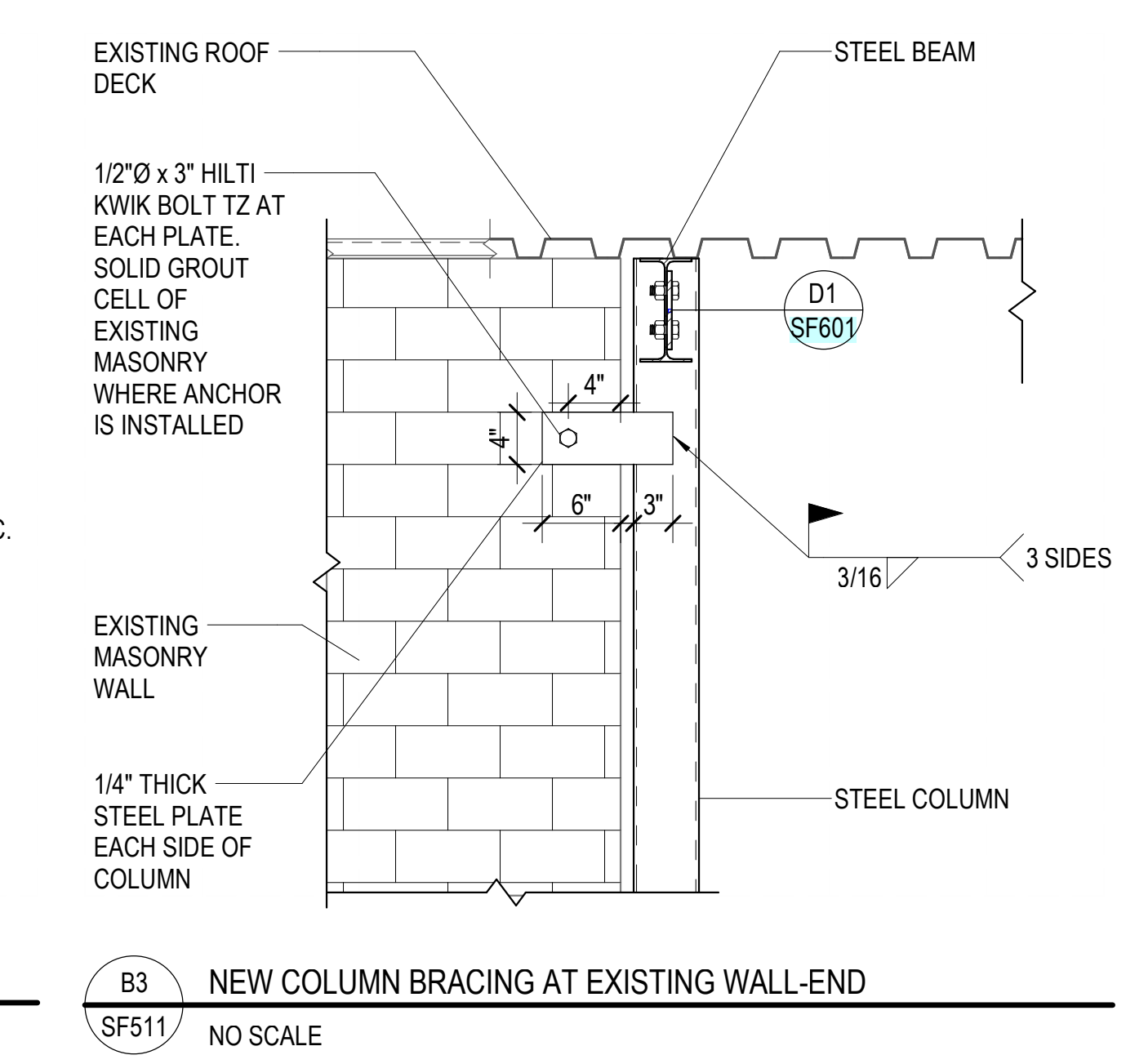
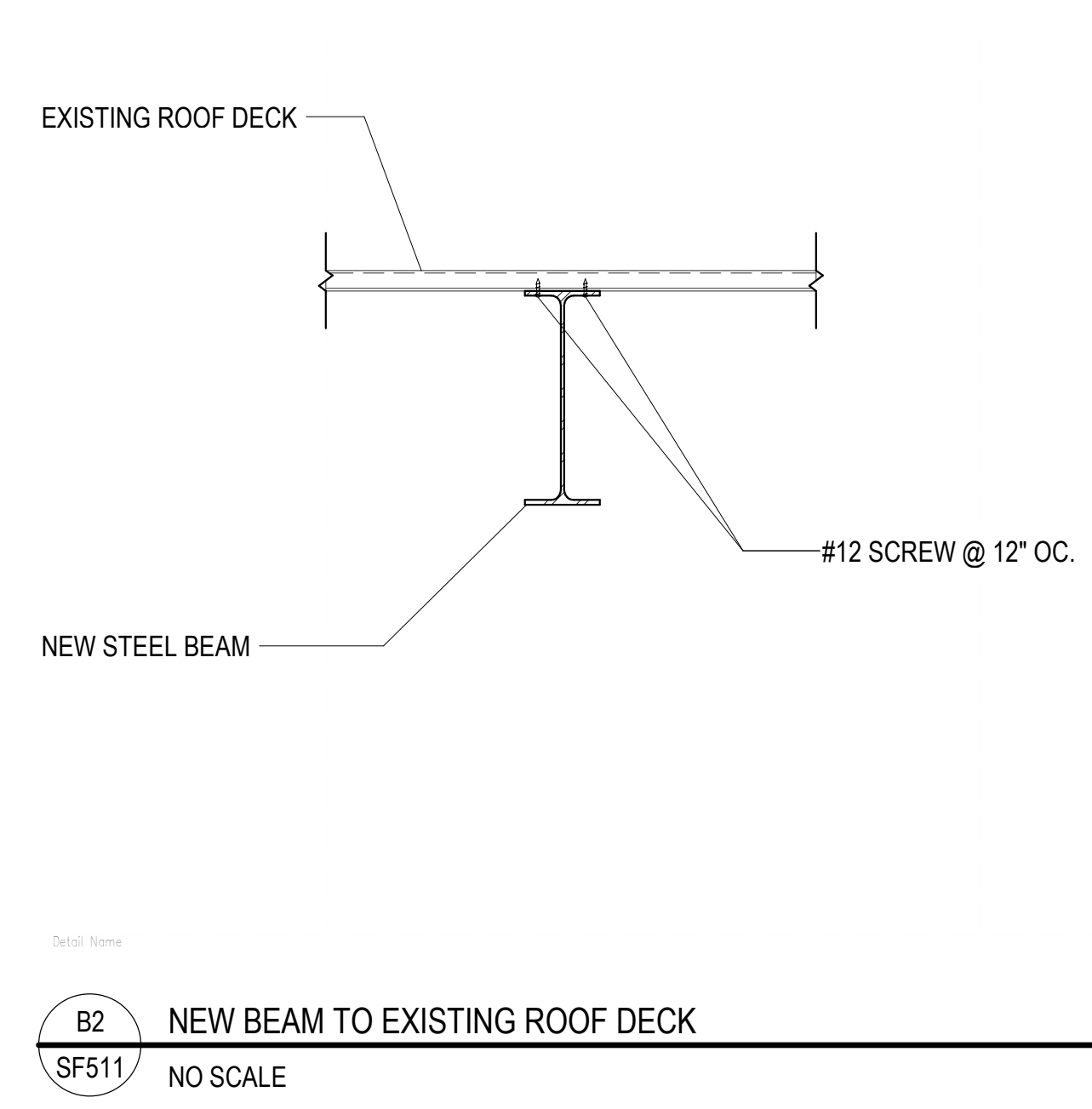
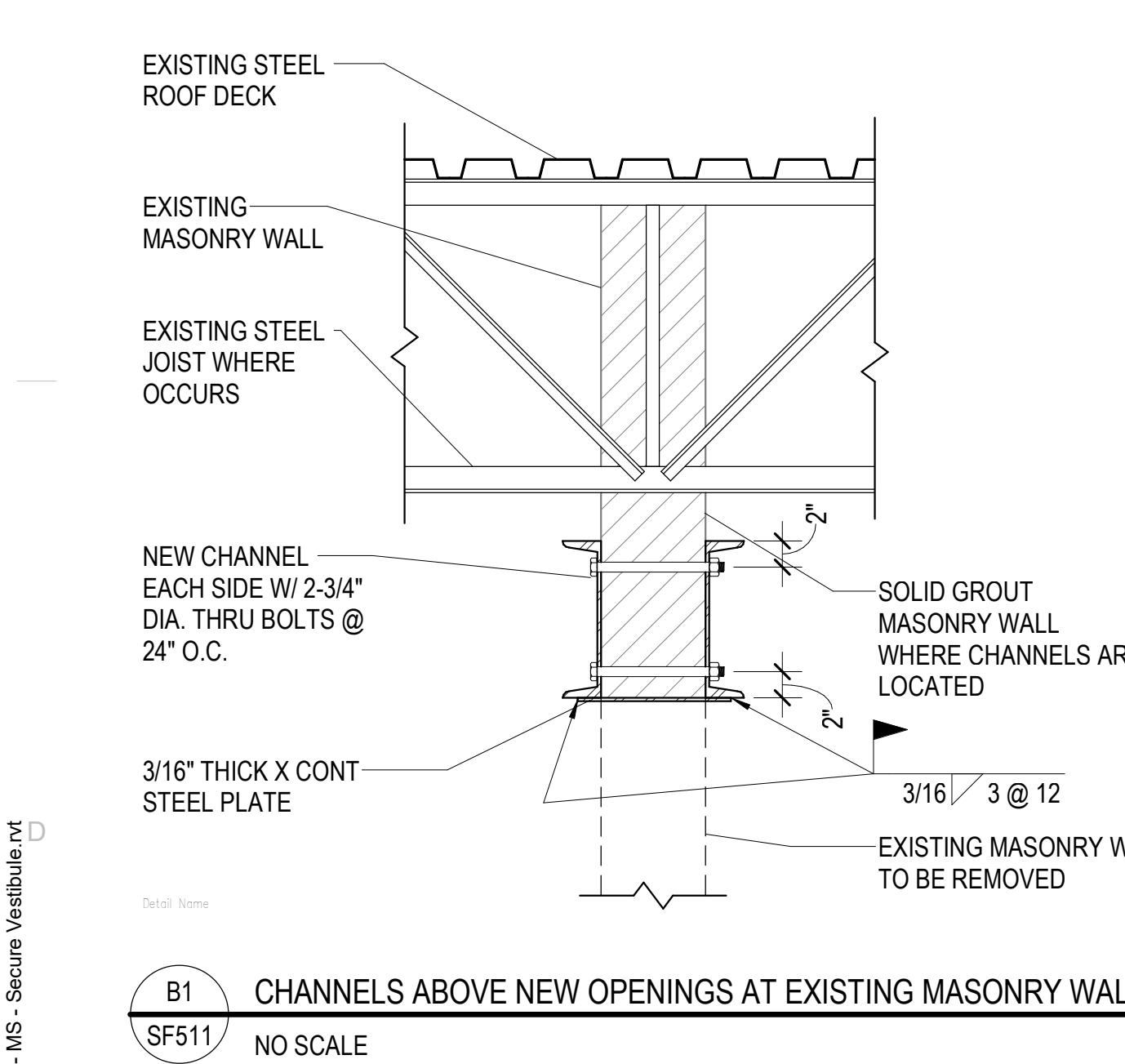
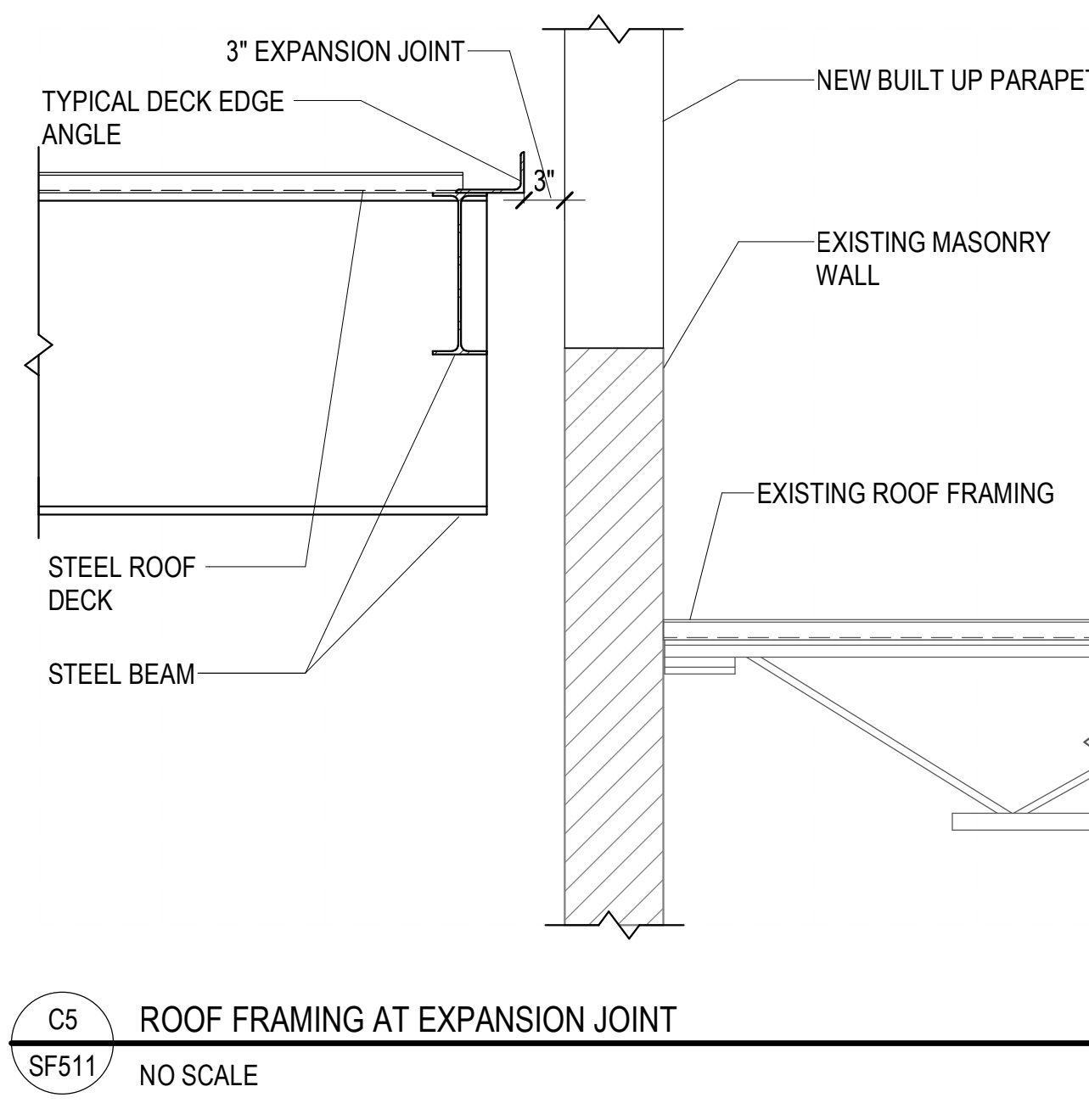
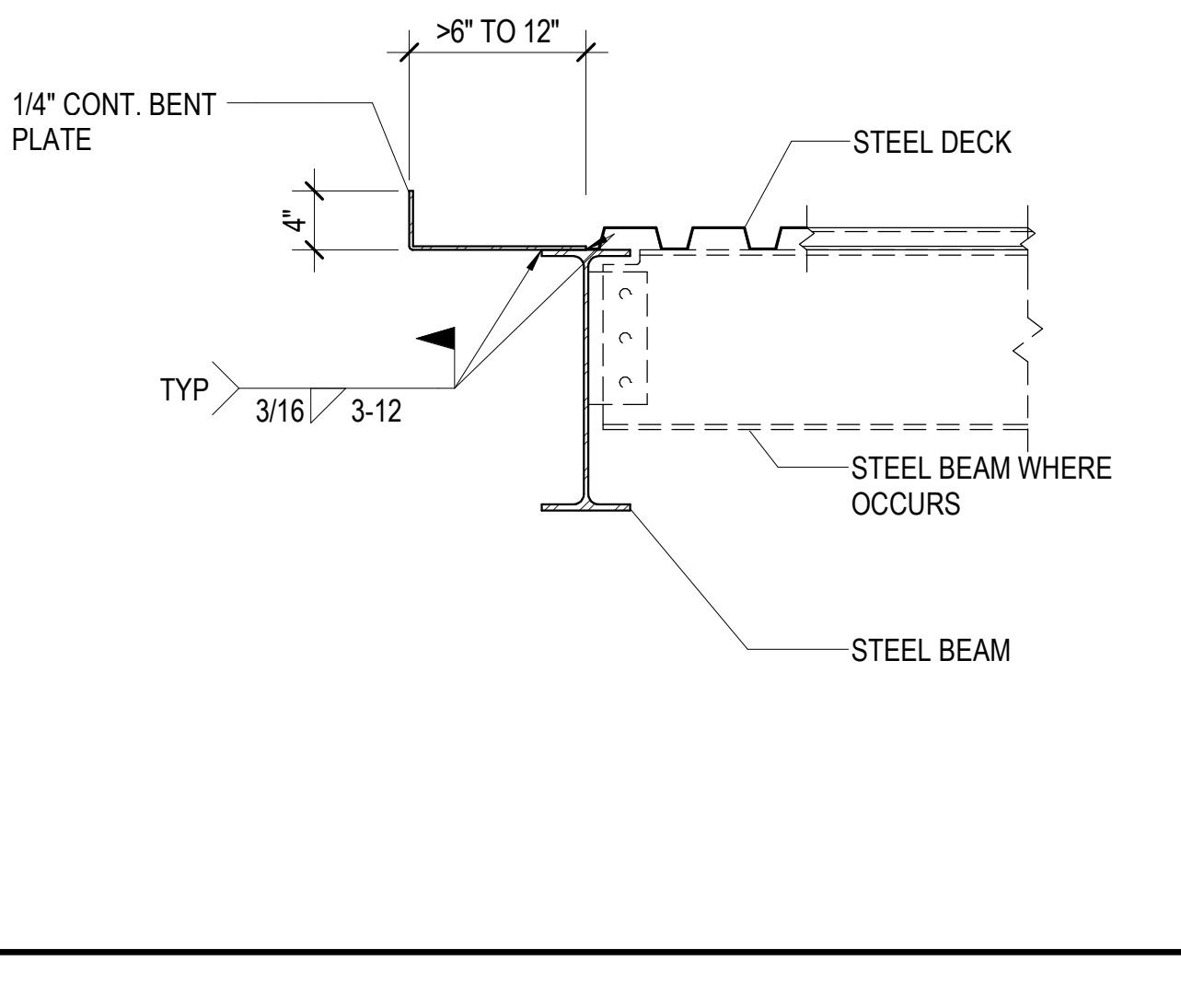
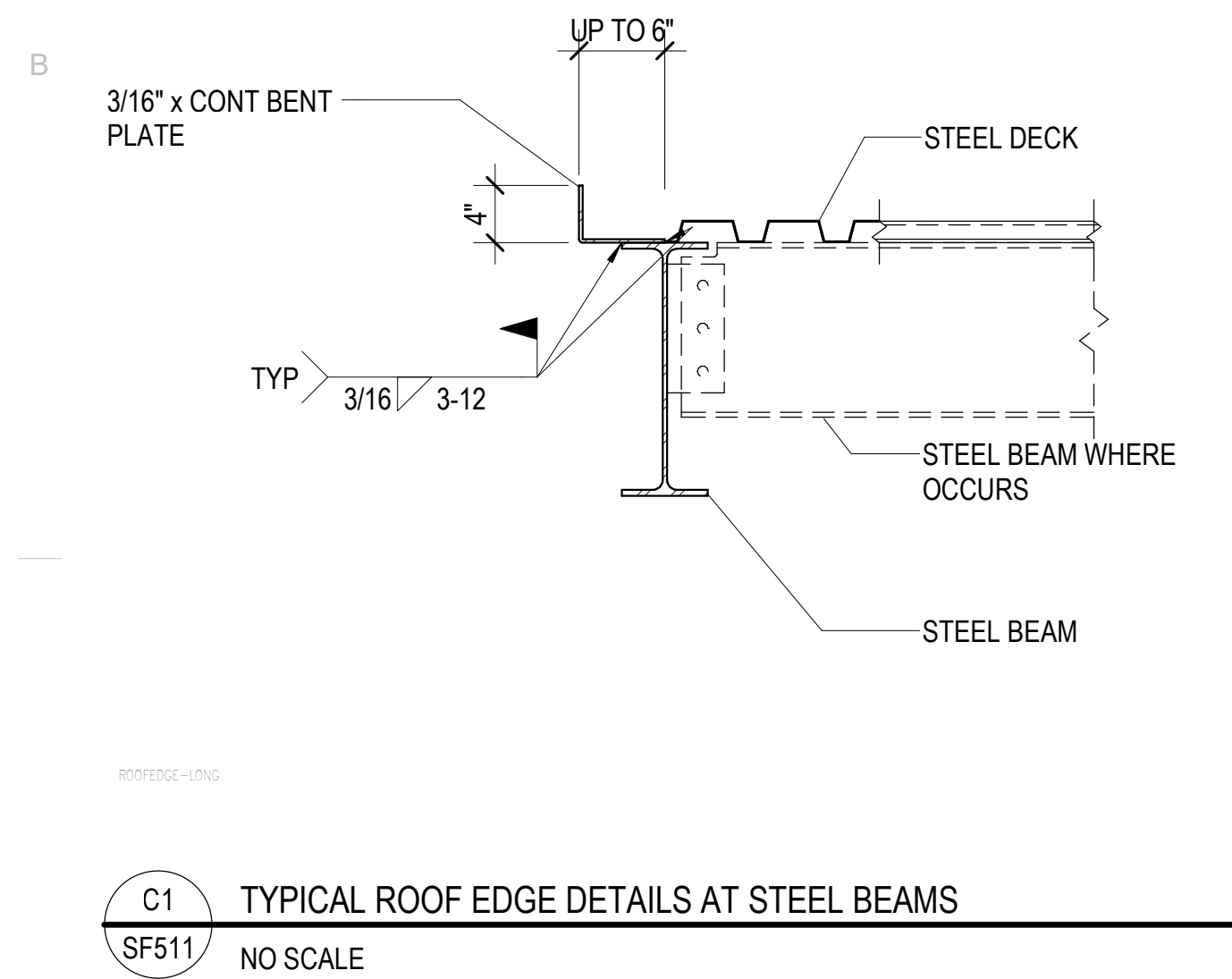
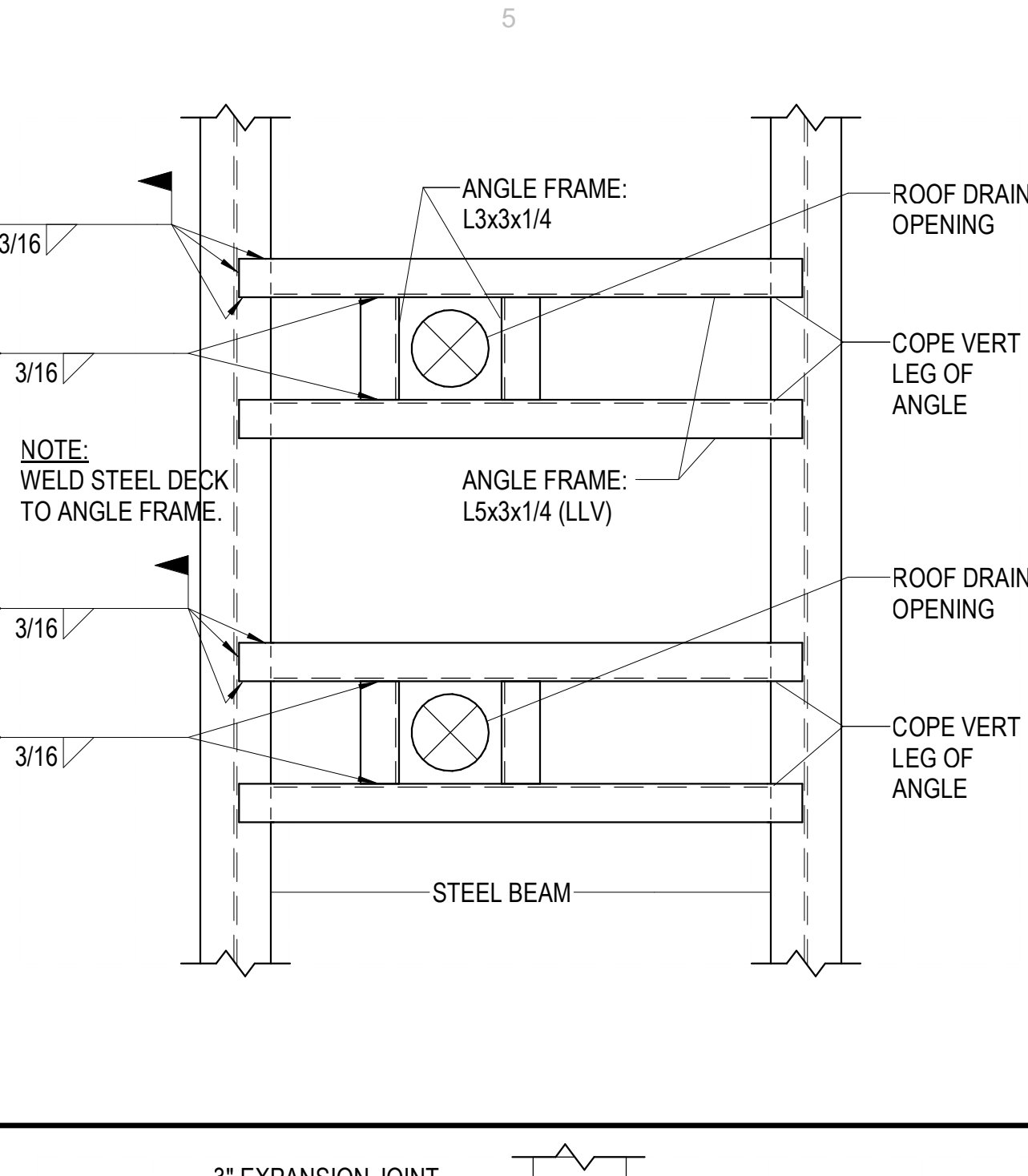
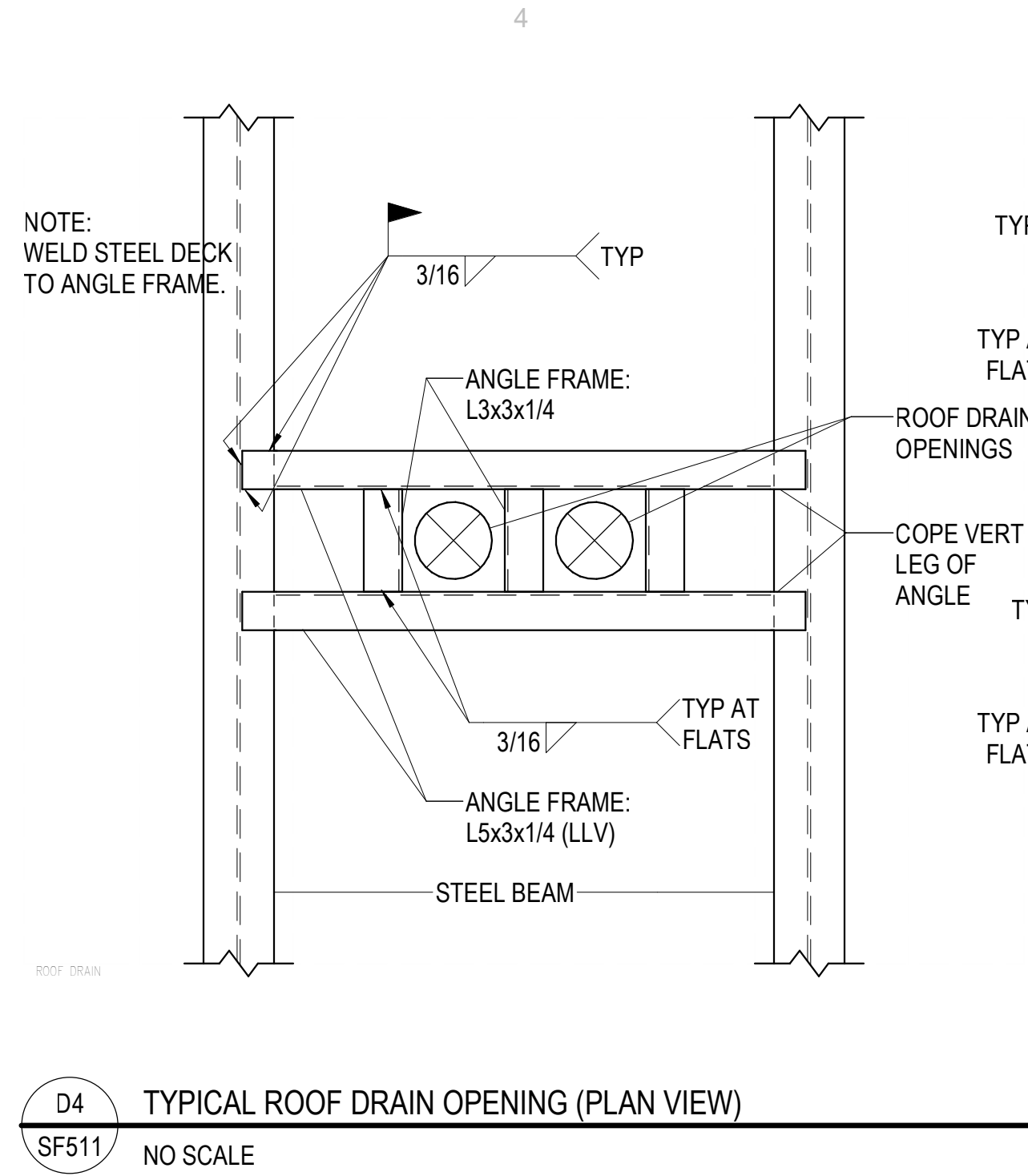
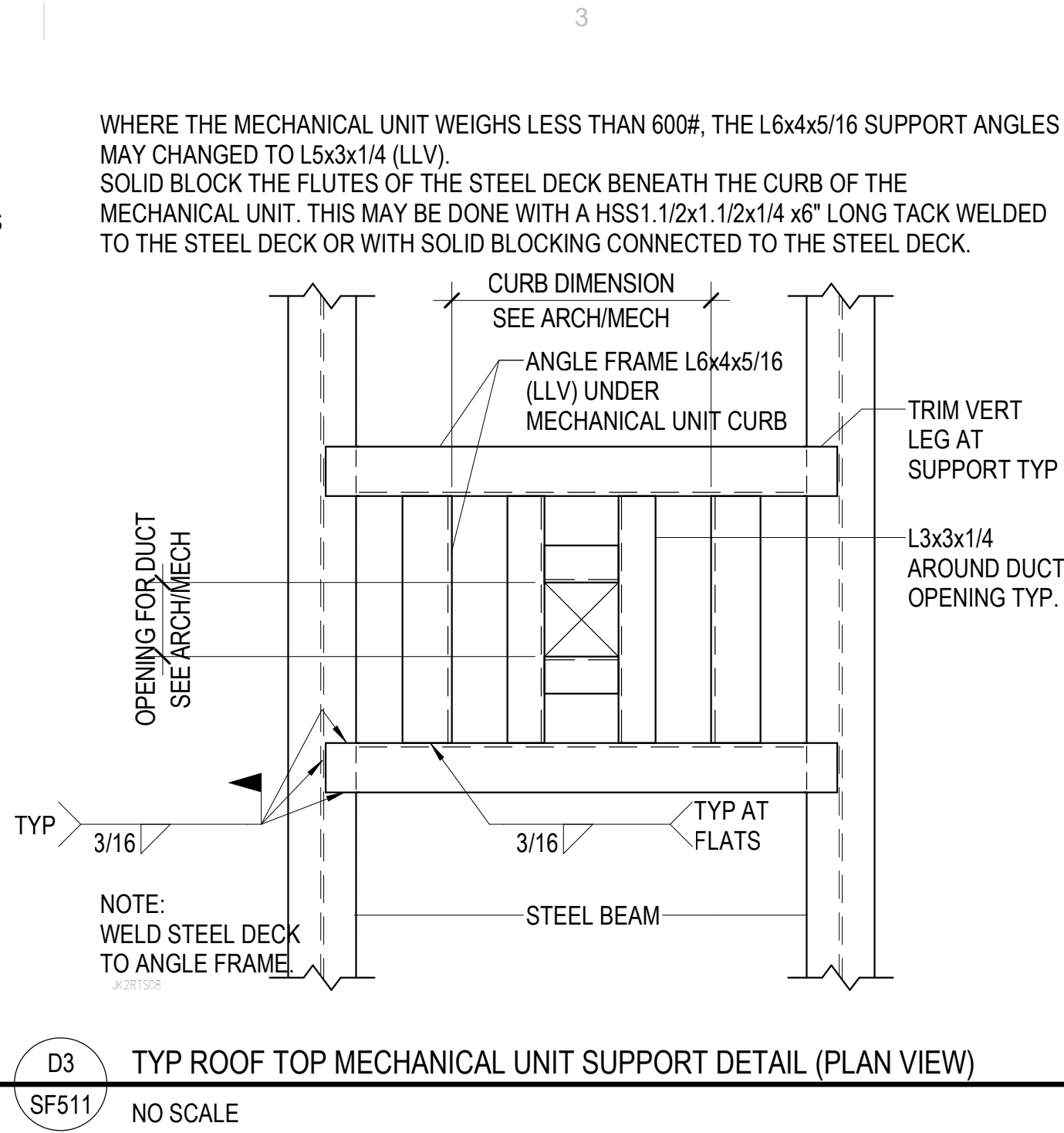
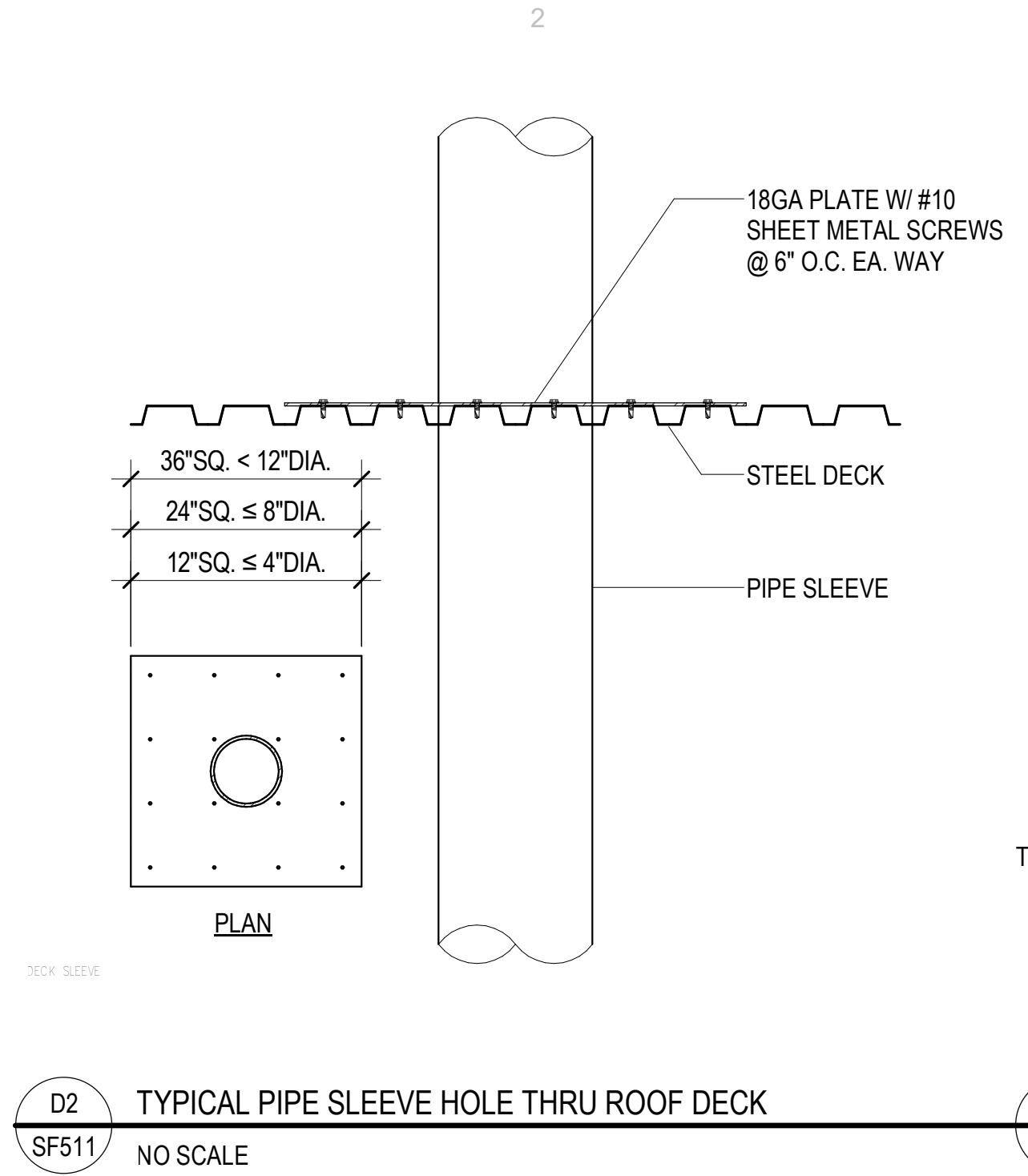
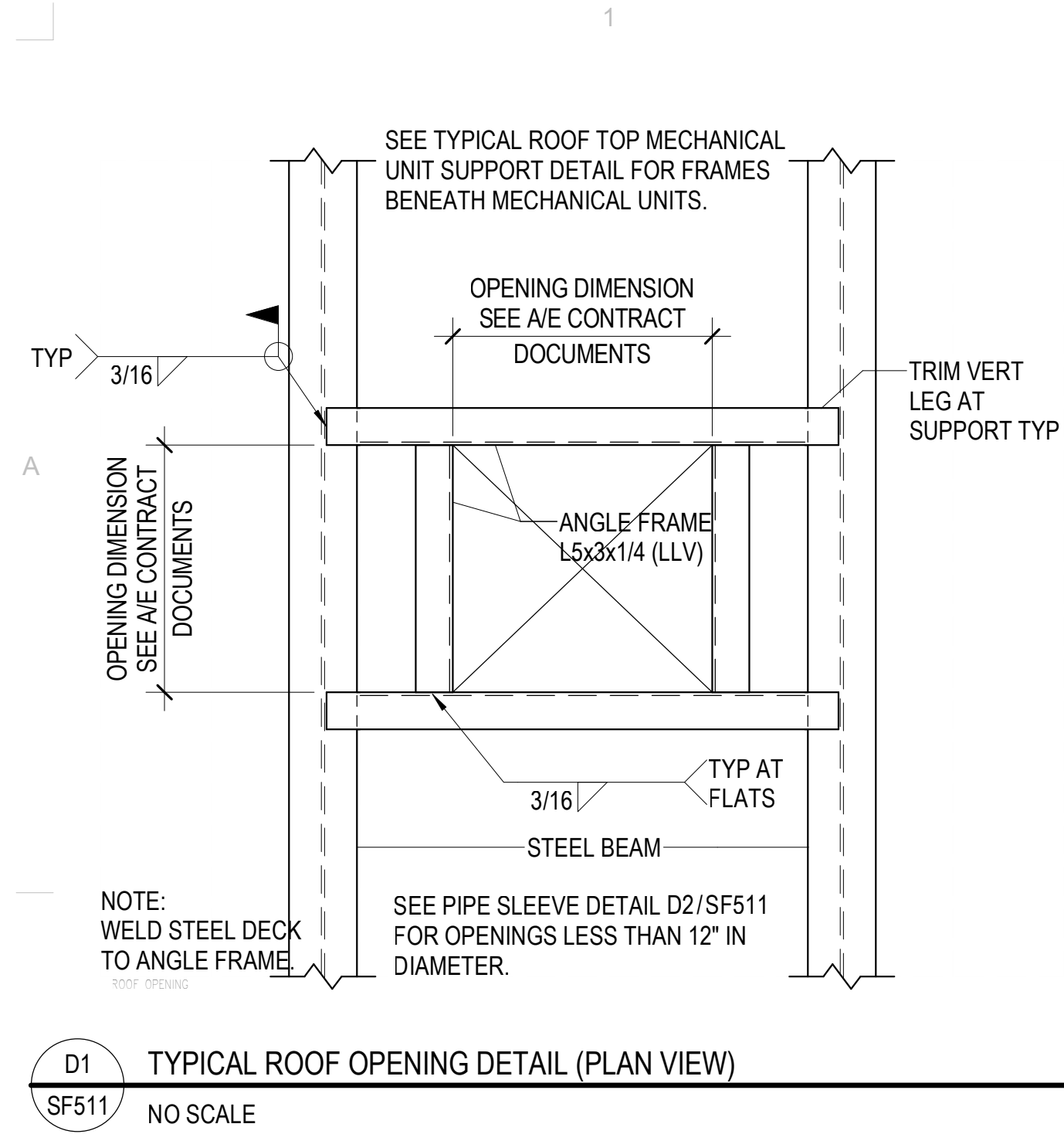
WALL ELEVATIONS

SHEET NUMBER

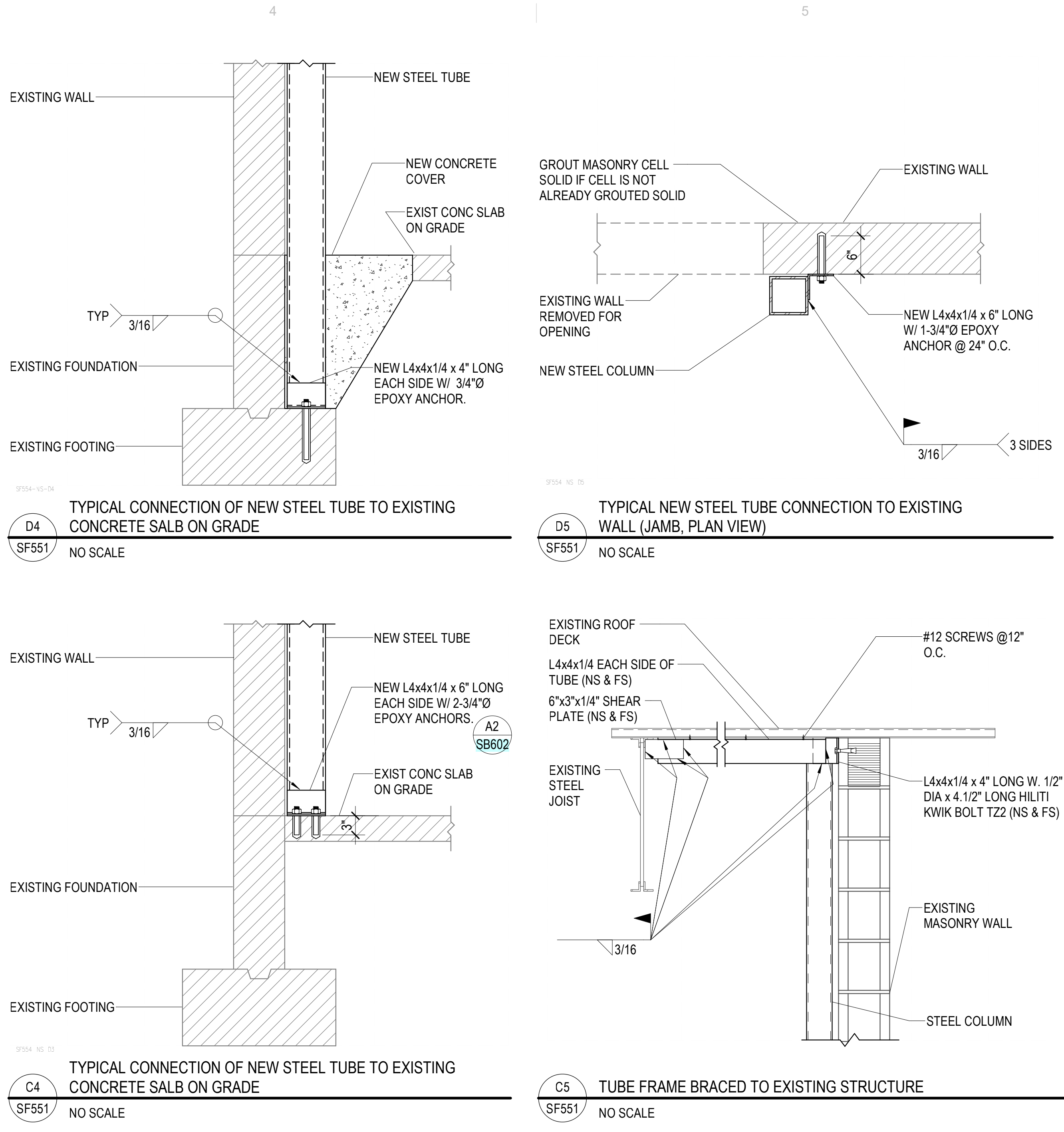
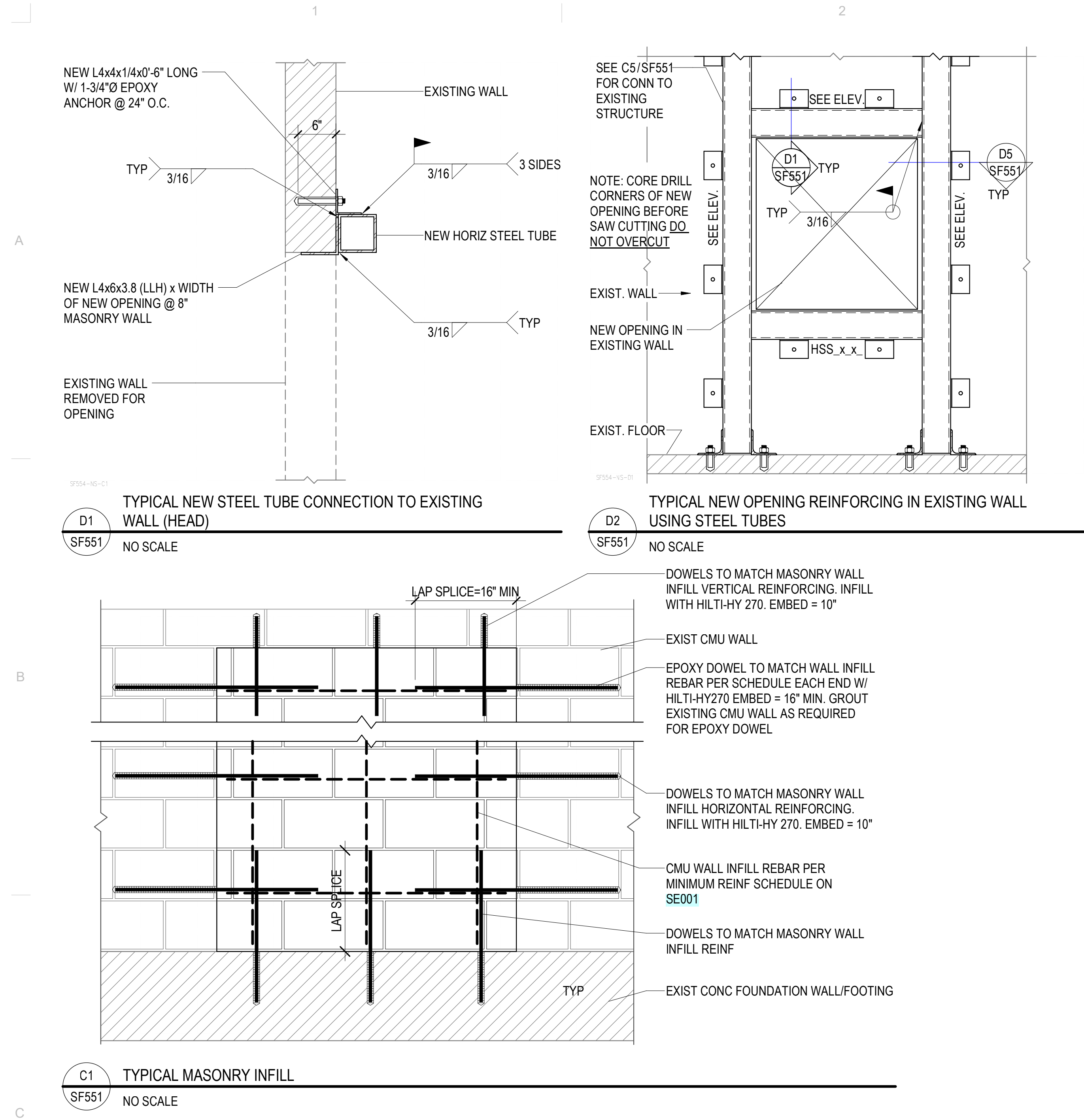
SF201

RETURN TO INDEX

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

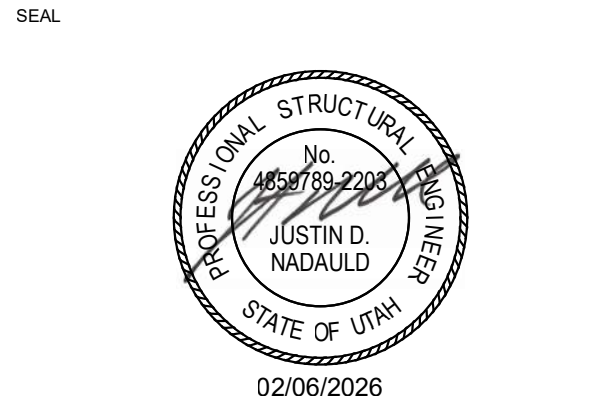


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SAN JUAN SCHOOL DISTRICT
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MHTN PROJECT NO. 2023554.01

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REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

LAST REVISION DATE

NO. DATE DESCRIPTION

ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

NEW WALL

OPENINGS

SHEET NUMBER

02/06/2026

02/06/2026

02/06/2026

02/06/2026

02/06/2026

02/06/2026

02/06/2026

02/06/2026

02/06/2026

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02/06/2026

02/06/2026

02/06/2026

02/06/2026

ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

NEW WALL

OPENINGS

SHEET NUMBER

02/06/2026

02/06/2026

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02/06/2026

02/06/2026

A

B

C

D

E

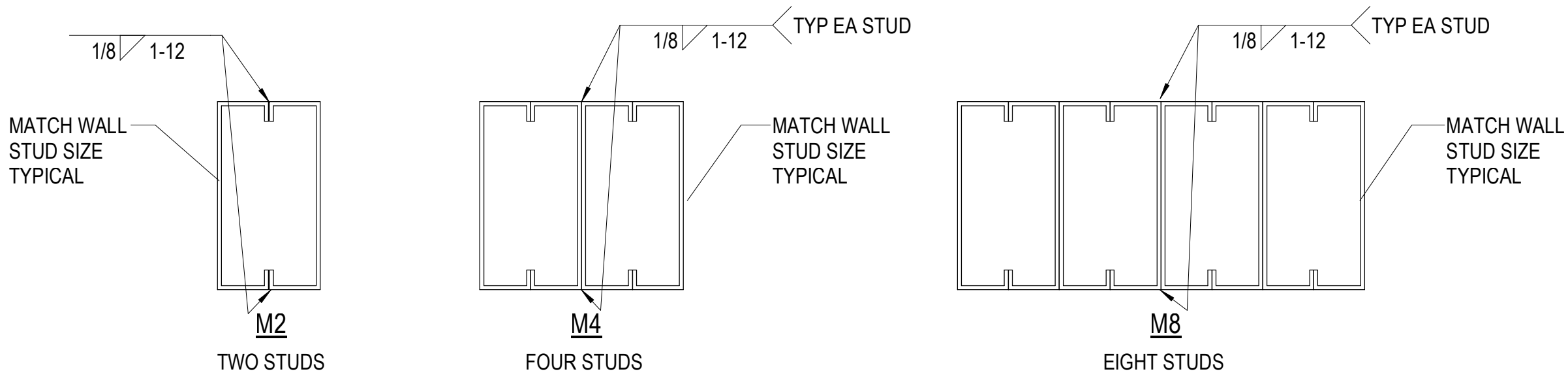
Autodesk Docs/2023554 - SUSD School Projects (Blanding ES - MHS - ARL MS - NCES - SUSD) - SUSD ARL MS - Secure Vestibule of 2/6/2026 9:23:15 AM

STEEL STUD WALL SCHEDULE						
MARK	WALL FRAMING				STUD BRACING REQUIRED	REMARKS
	STUDS	SPACING	BOTTOM PLATE	TOP PLATE		
SSW-1	600S162-54	16"	600T125-54	600T125-54	FULLY BLOCKED	
NOTES: 1. TOP AND BOTTOM PLATE SHALL BE CONNECTED TO STUDS WITH #8 SCREWS EA. SIDE UNO. 2. PROVIDE SILL FRAMING PER C3/SF604 AT ALL OPENINGS IN WALLS UNO. 3. FILL ALL HOLES IN CONNECTION HARDWARE WITH: HILTI X-U FASTENERS W/ 1.1/2" EMBEDMENT TO STRUCTURAL CONCRETE, HILTI X-U 15 FASTENERS TO STRUCTURAL STEEL, AND #12 SCREWS TO LIGHT GAUGE STEEL, OR ENGINEER APPROVED EQUIVALENT, UNO. 4. UNLESS NOTED OTHERWISE, ALL STUDS & TRACKS IN JAMB COMPONENTS, HEADER COMPONENTS, AND SILL COMPONENTS SHALL BE CONTINUOUS BETWEEN SUPPORTS. UNLESS NOTED OTHERWISE, ALL WALL STUDS SHALL BE CONTINUOUS BETWEEN SUPPORTS. 5. STEEL STUD WALL TRACKS AND BRIDGING SHALL NOT BE CONTINUOUS THROUGH VERTICAL JOINTS, UNO. STEEL STUDS FOR WALLS SHALL NOT BE CONTINUOUS THROUGH DRIFT JOINTS, UNO. 6. STITCH WELDING OF SILL TRACKS AND STUDS TOGETHER IN LIEU OF FASTENING USING SELF-DRILLING SCREWS IS POSSIBLE BUT THE WELD PATTERN AND LOCATIONS OF WELDING MUST BE SUBMITTED FOR REVIEW. CHANGE ORDER REQUESTS BASED ON THE CONTRACTOR'S REQUEST TO SUBSTITUTE WELDING FOR SELF-DRILLING SCREWS WILL NOT BE ACCEPTED.						

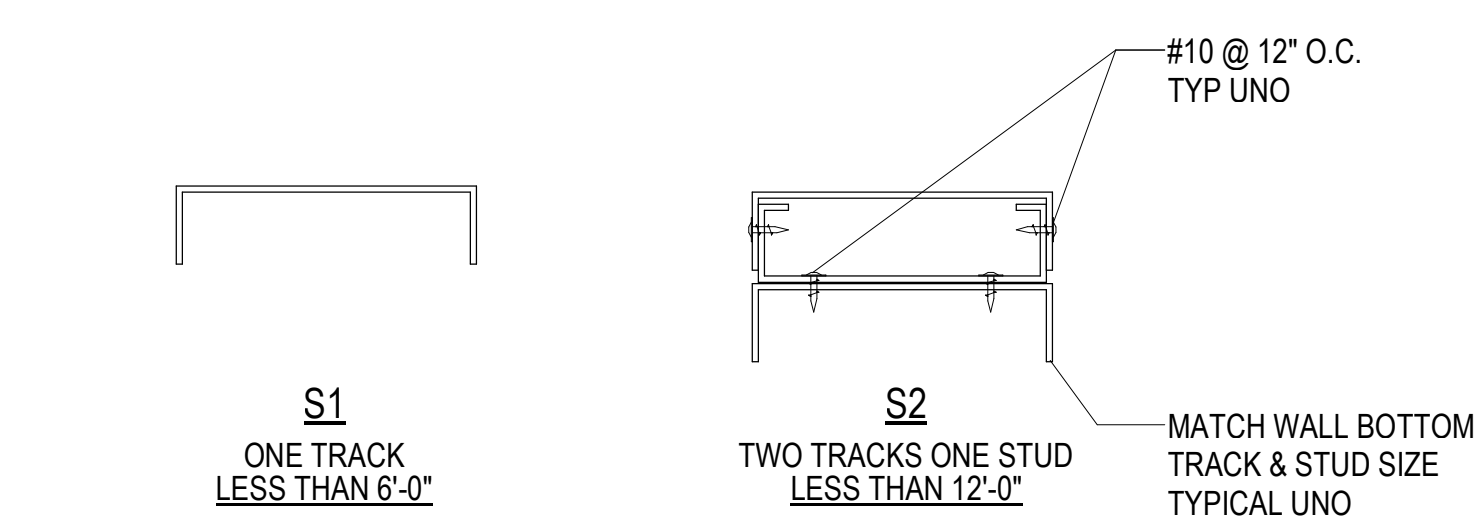
STEEL STUD SHEAR WALL SHEATHING SCHEDULE						
MARK	SHEATHING THICKNESS	SHEATHING SIDES	SCREW SIZE	PANEL EDGE FASTENING SPACING	BOTTOM TRACK ANCHORAGE	REMARKS
					SCREW ANCHORS IN CONCRETE	
1	7/16" OSB OR 15/32" STRUCT 1 SHEATHING	ONE SIDE	#8	6"	1/4" TITEN HD SCREW ANCHOR @ 24" O.C.	-
2	7/16" OSB OR 15/32" STRUCT 1 SHEATHING	ONE SIDE	#8	4"	1/4" TITEN HD SCREW ANCHOR @ 16" O.C.	-
NOTES: 1. WHERE STUDS MUST BE CUT DUE TO THE PLACEMENT OF ANCHOR BOLTS OR OTHER PRODUCTS, AN ADDITIONAL STUD SHALL BE INSERTED ALONG SIDE. 2. SCREWS SHALL BE LOCATED AT LEAST 3/8" FROM PANEL EDGES 3. SHEATHING SHALL BE INSTALLED WITH 1/8" GAP BETWEEN SIDE JOINTS AND 1/16" GAP AT END JOINTS. 4. STUDS IN SHEAR WALL SHALL BE SPACED AT A MAXIMUM OF 16" O.C. 5. ALL PANEL SCREWS AT INTERMEDIATE FRAMING MEMBERS SHALL BE 12" O.C. MAXIMUM. 6. ALL PANEL EDGES SHALL BE BLOCKED WITH 600S162-43 BLOCKING PER B1/SF604 .						

SHEAR WALL HOLDOWN SCHEDULE			
MARK	HOLDOWN	ANCHOR BOLT SIZE	REMARKS
A	SHDU6	5/8" F1554 GR 36 (9" EMBED)	12 - #14 SCREWS IN DOUBLE STUD
B	SHDU9	7/8" F1554 GR 55 (14" EMBED)	18 - #14 SCREWS IN DOUBLE STUD
C	S/LTT20	1/2" TITEN HD (3.1/2" EMBED)	8 - #10 SCREWS
NOTES: SEE B3/SF604 FOR TYPICAL HOLDOWN LAYOUT.			

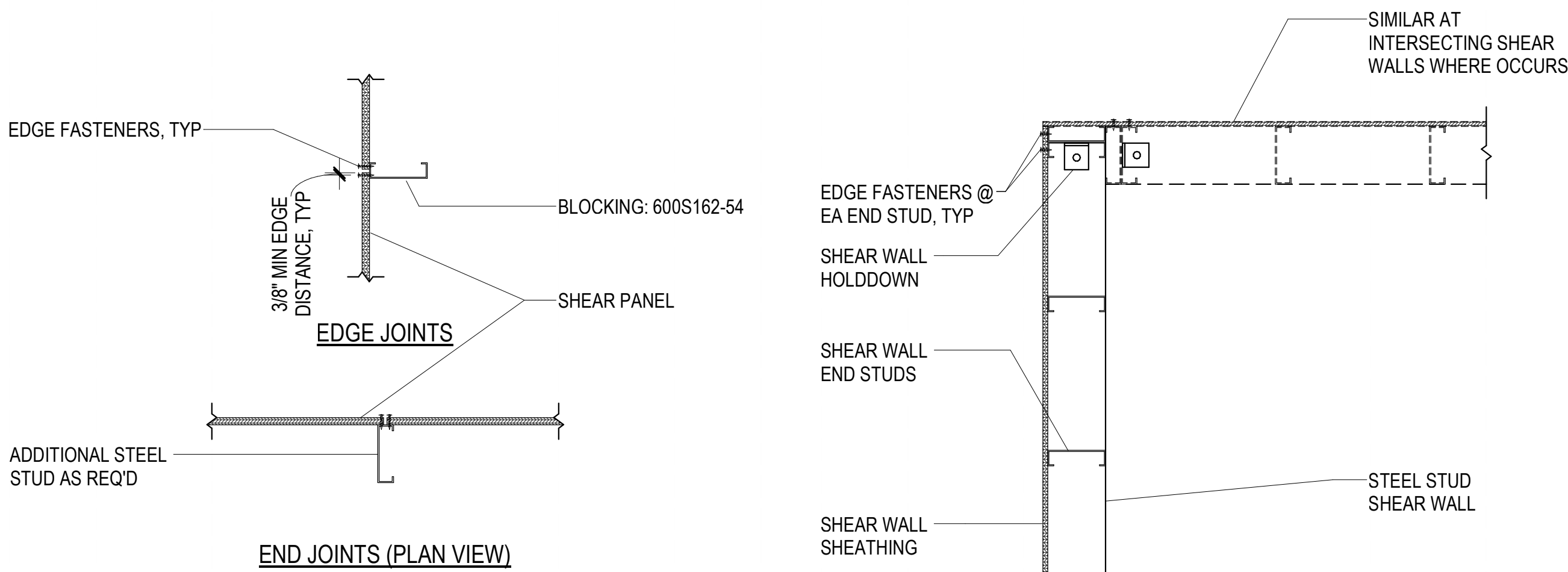
END POST MEMBER SCHEDULE			
MARK	SIZE	FASTENING BETWEEN STUDS	REMARKS
1	600S162-54	-	
2	2-600S162-54	1/8" FILLET WELD EA SIDE @ 12" O.C.	
NOTES: 1. SEE C1/SF604 FOR WELDED END POST MEMBER SECTIONS.			



C1 TYPICAL WELDED STUD JAMB SECTIONS
SF604 NO SCALE

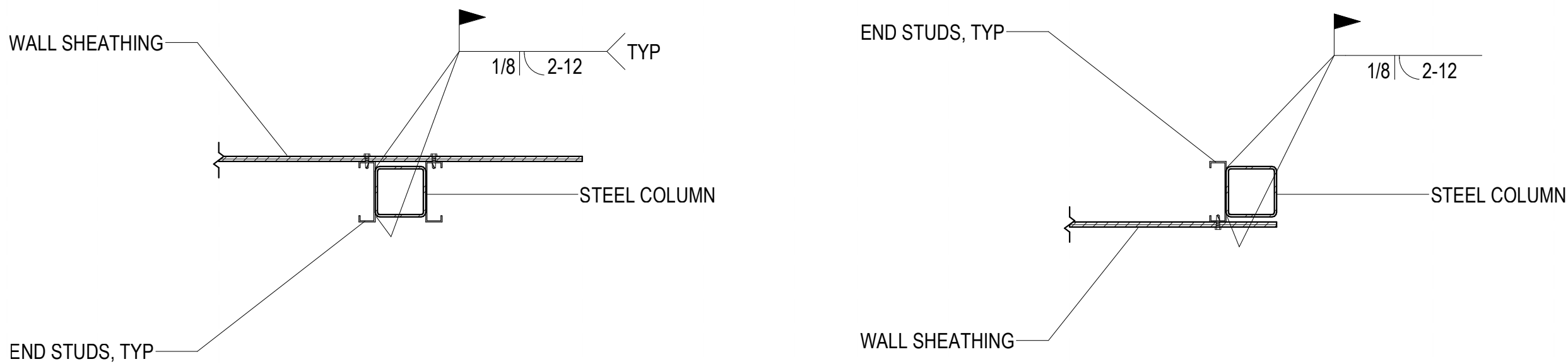


C3 TYPICAL STUD SILL SECTIONS
SF604 NO SCALE



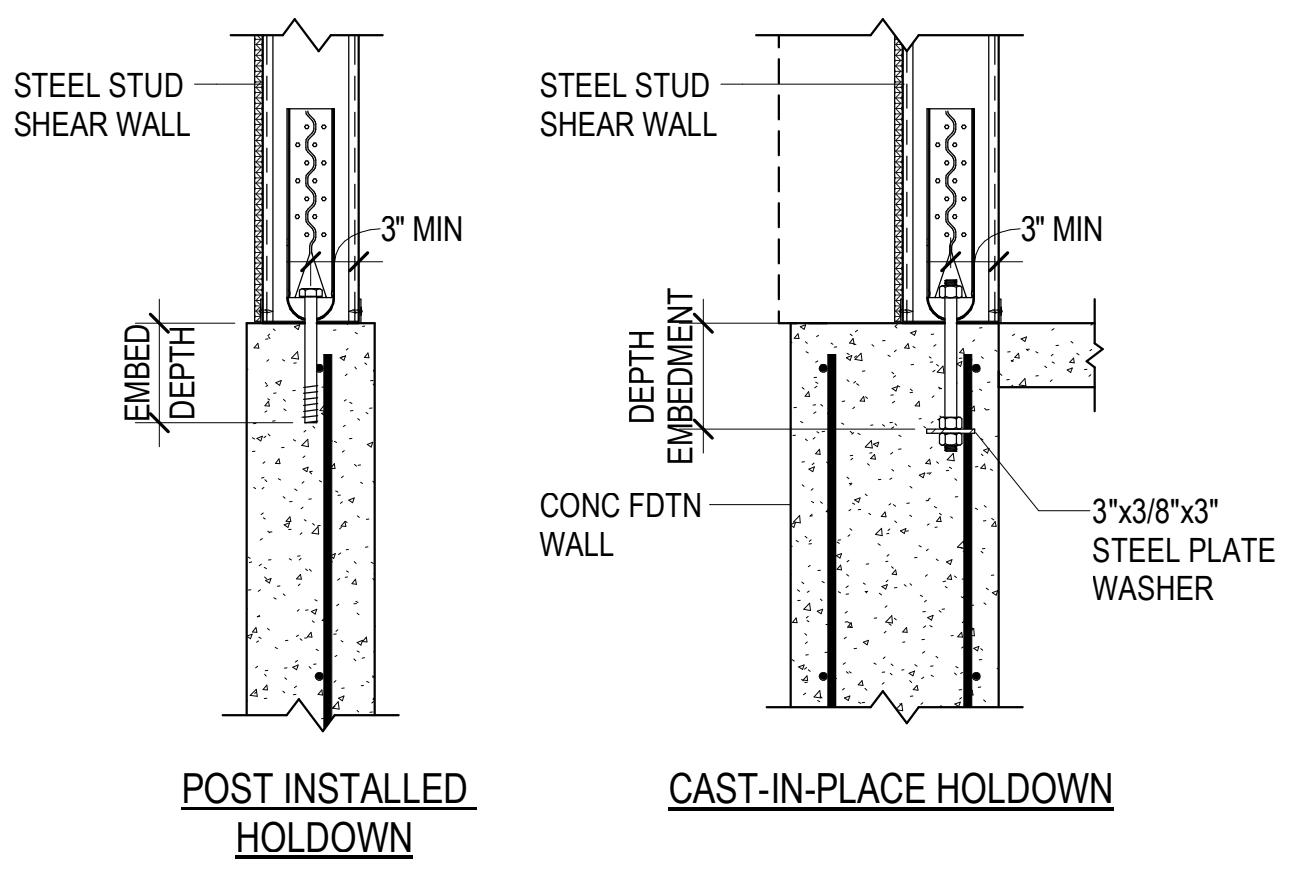
B1 TYPICAL SHEAR WALL PANEL JOINT END DETAIL
SF604 NO SCALE

B2 TYPICAL STEEL STUD SHEAR WALL END/CORNER DETAIL AT HOLDDOWN
SF604 NO SCALE

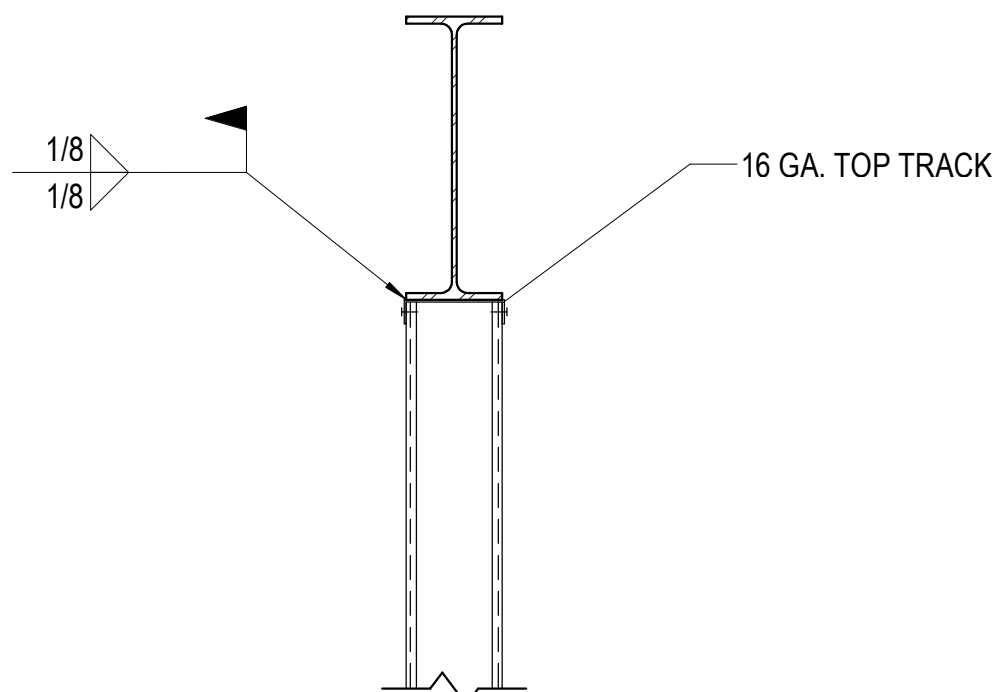


A1 TYPICAL STEEL COLUMN AT SHEAR WALL
SF604 NO SCALE

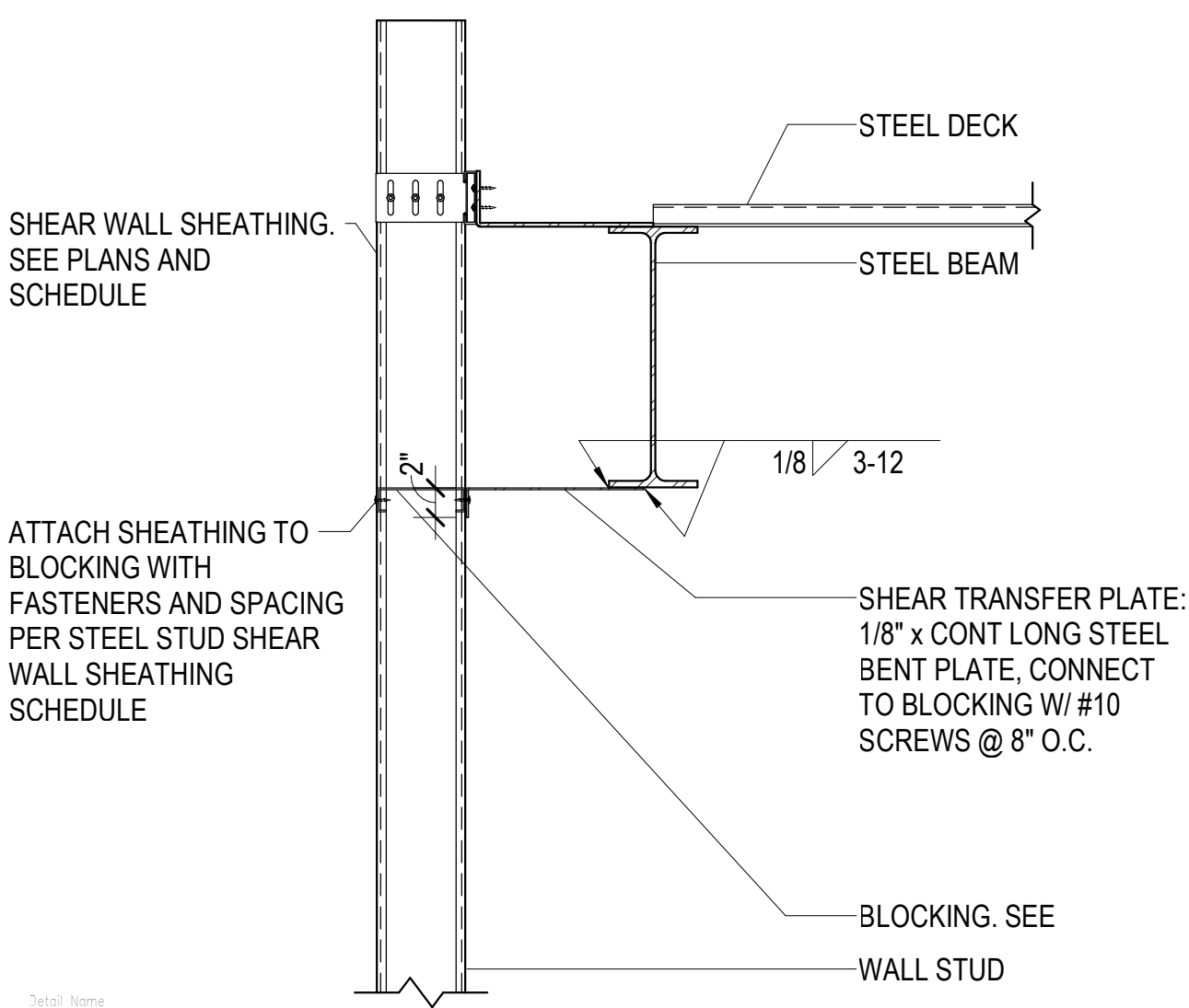
A2 TYPICAL STEEL COLUMN AT SHEAR WALL END
SF604 NO SCALE



B3 TYPICAL HOLDOWN LAYOUT
SF604 NO SCALE

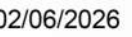


B4 SSW TOP TRACK CONNECTION TO STEEL BEAM
SF604 NO SCALE



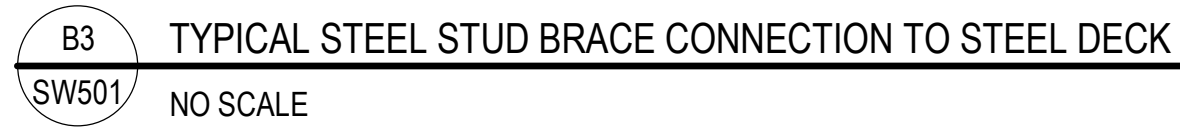
A4 SHEAR TRANSFER AT BYPASS STUD SHEAR WALL
SF604 NO SCALE

525 North 100 East, Blanding, Utah 84511

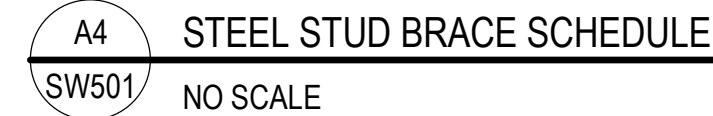
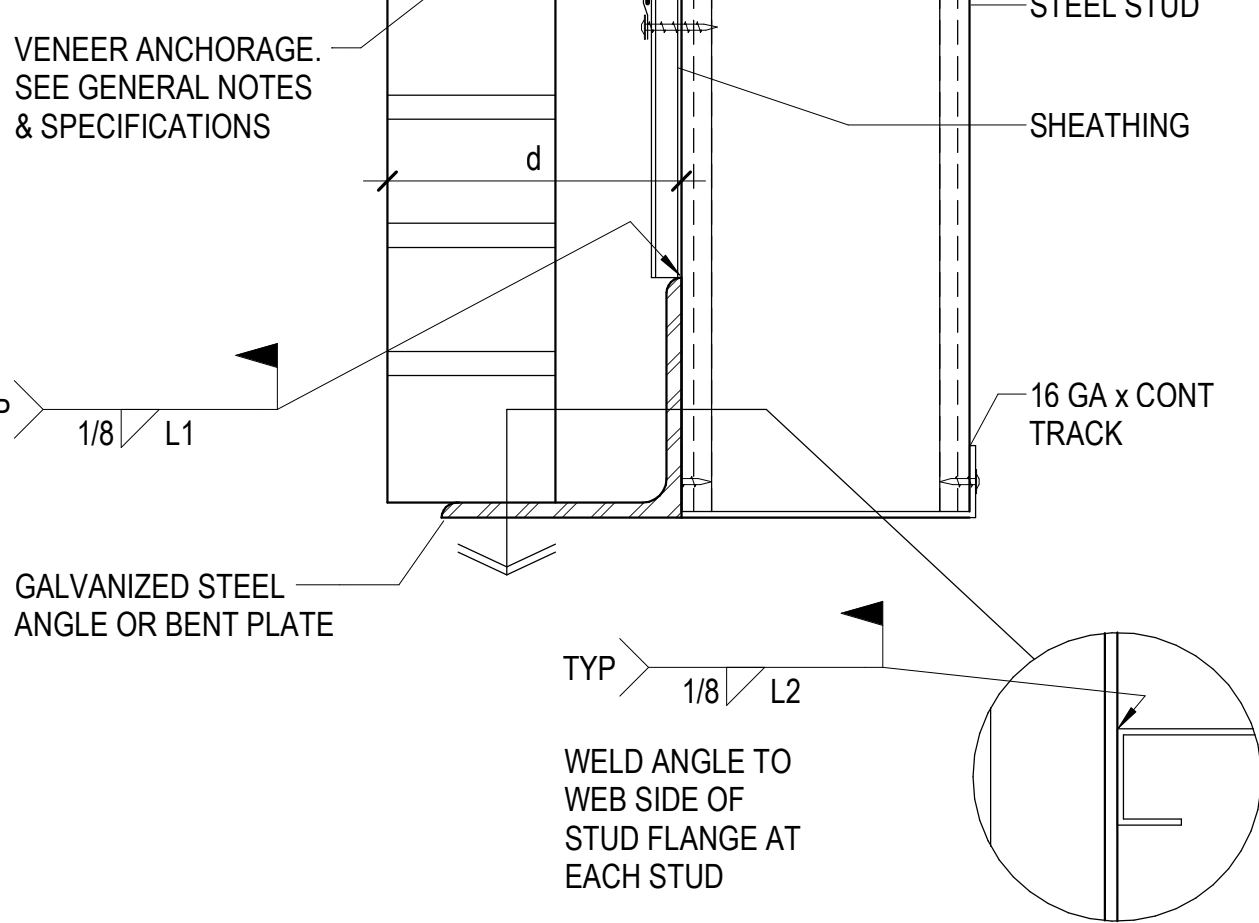


Original drawing is 30 x 42. Do not scale contents of this drawing.

A cross-sectional diagram showing a bent plate (labeled 'BENT PLATE') attached to a brick wall (labeled 'BRICK'). The plate is bent at a 90-degree angle. The vertical leg of the plate is embedded in the brick, with a dimension 'A' indicating the embedment length. The horizontal leg of the plate is attached to the brick with a bolt. The bolt has a diameter of 3/4" and a nut with a height of ±1/4". A dimension 'B' is shown for the total height of the plate assembly.

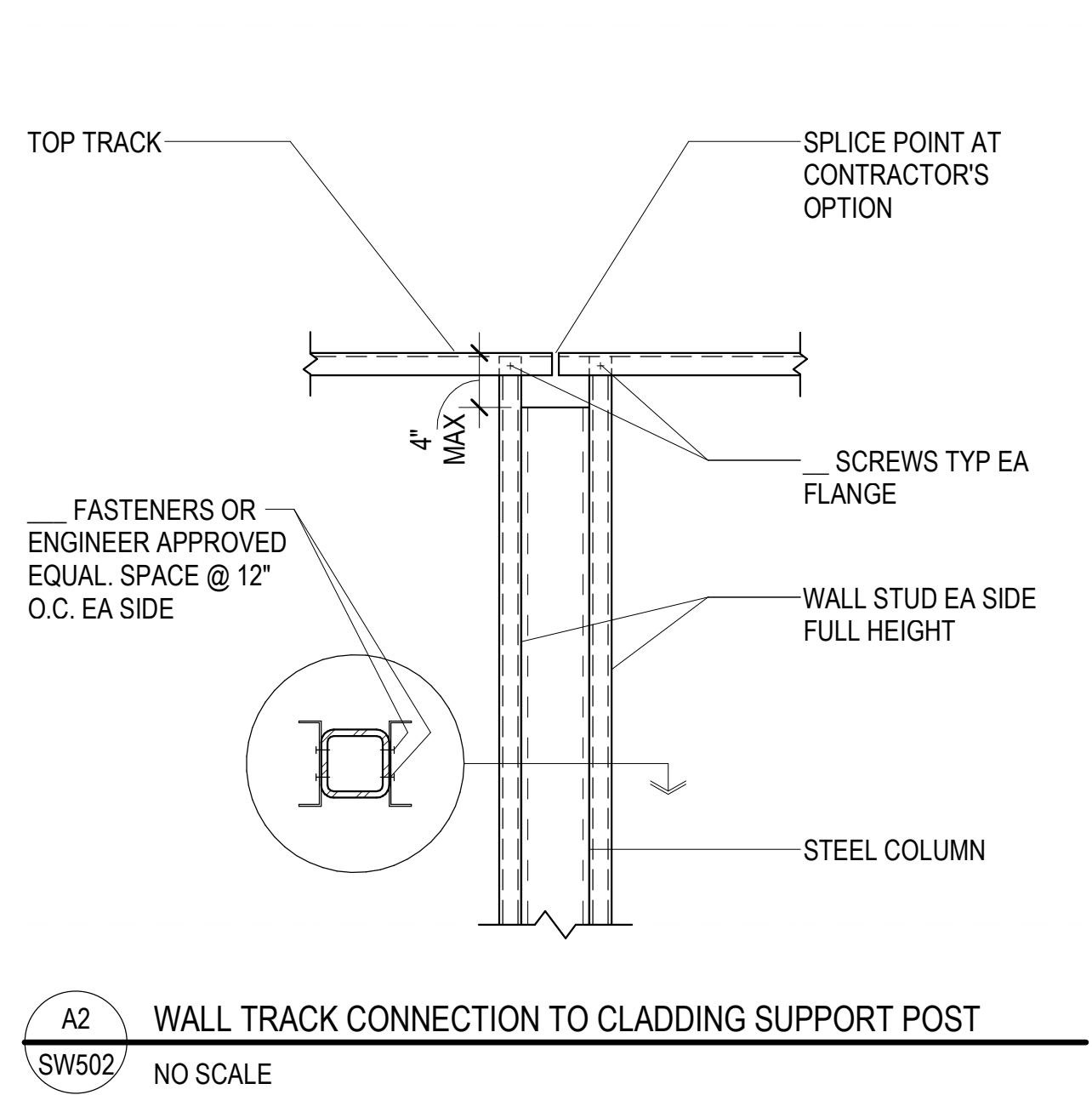
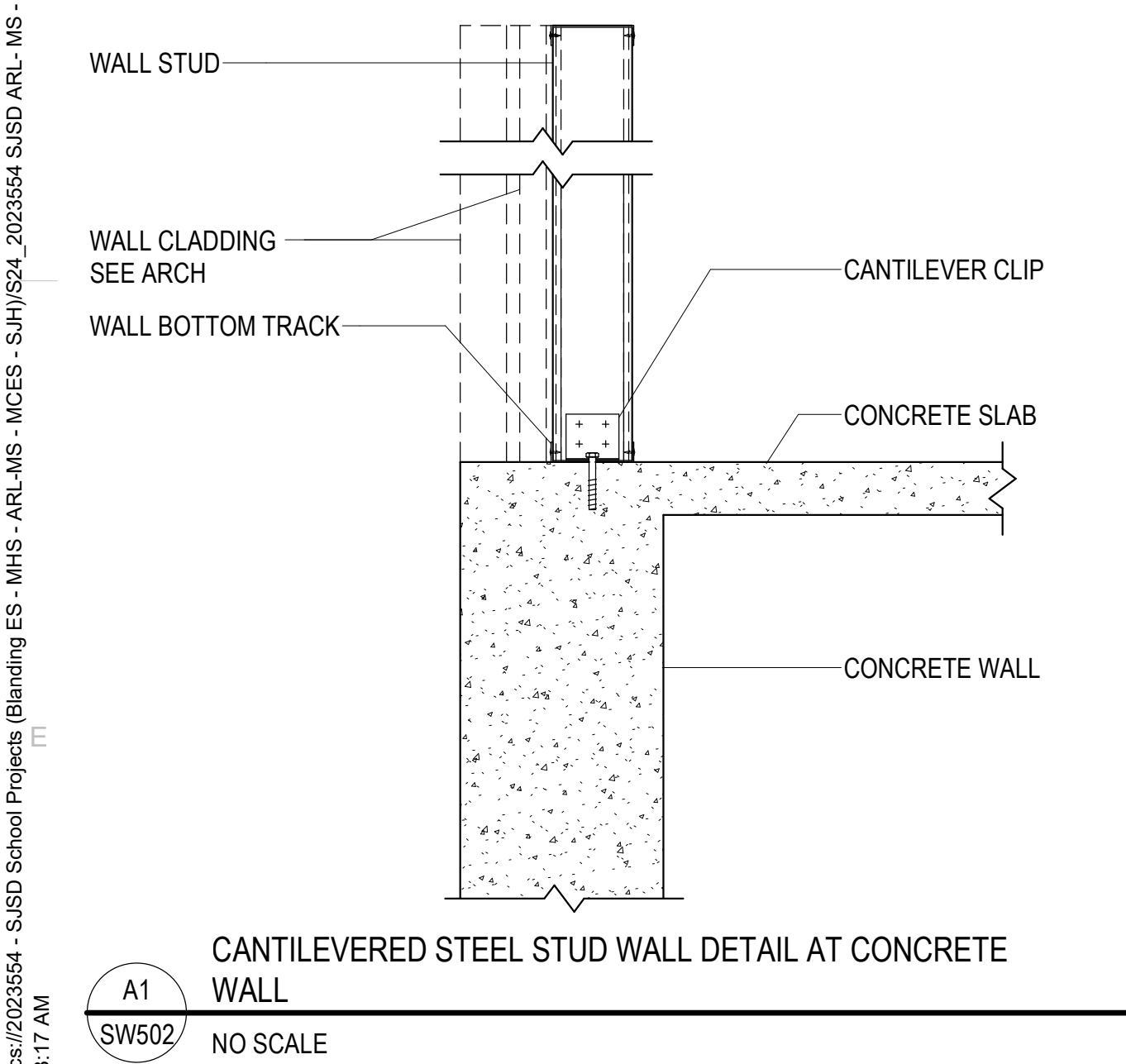
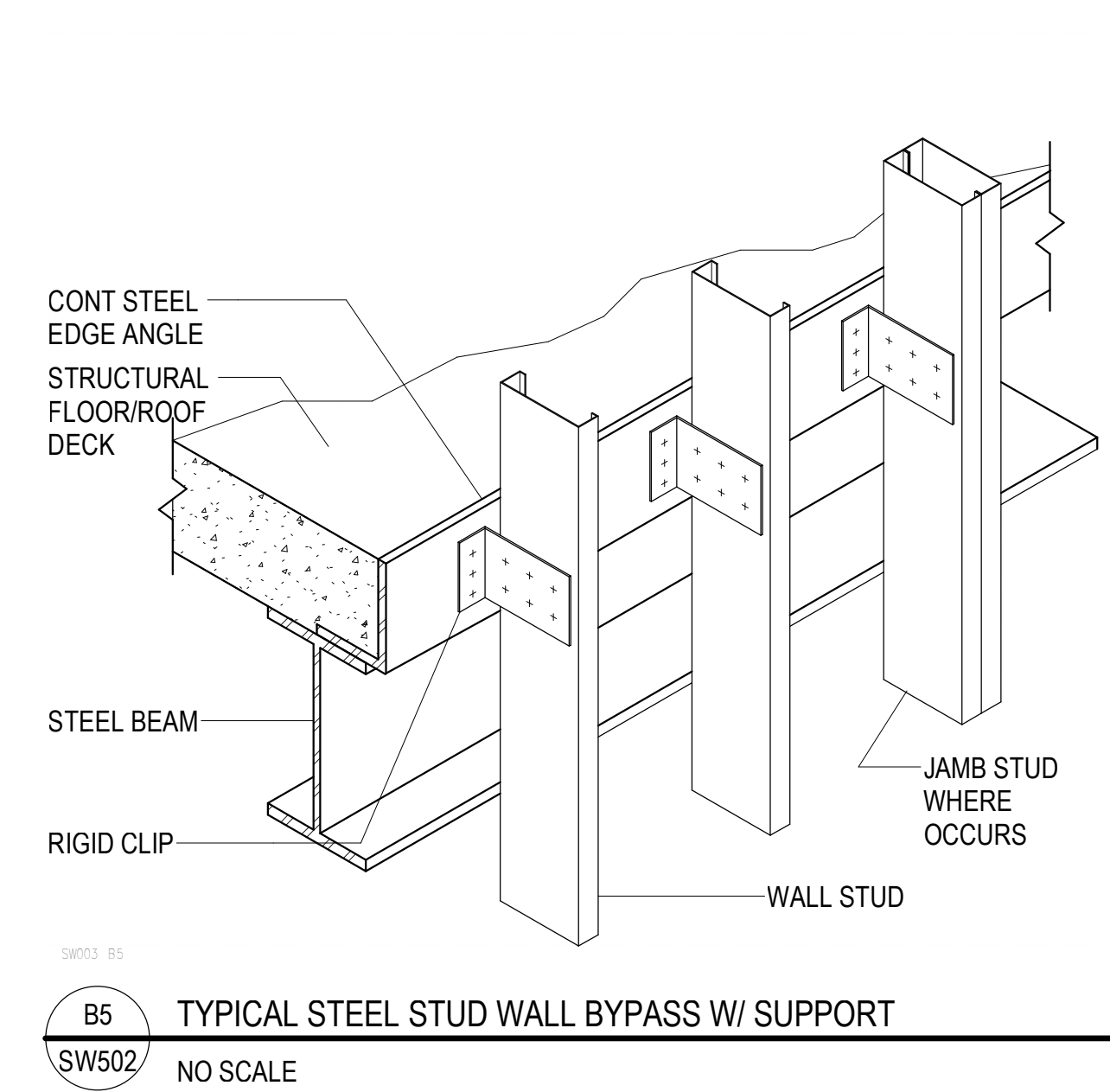
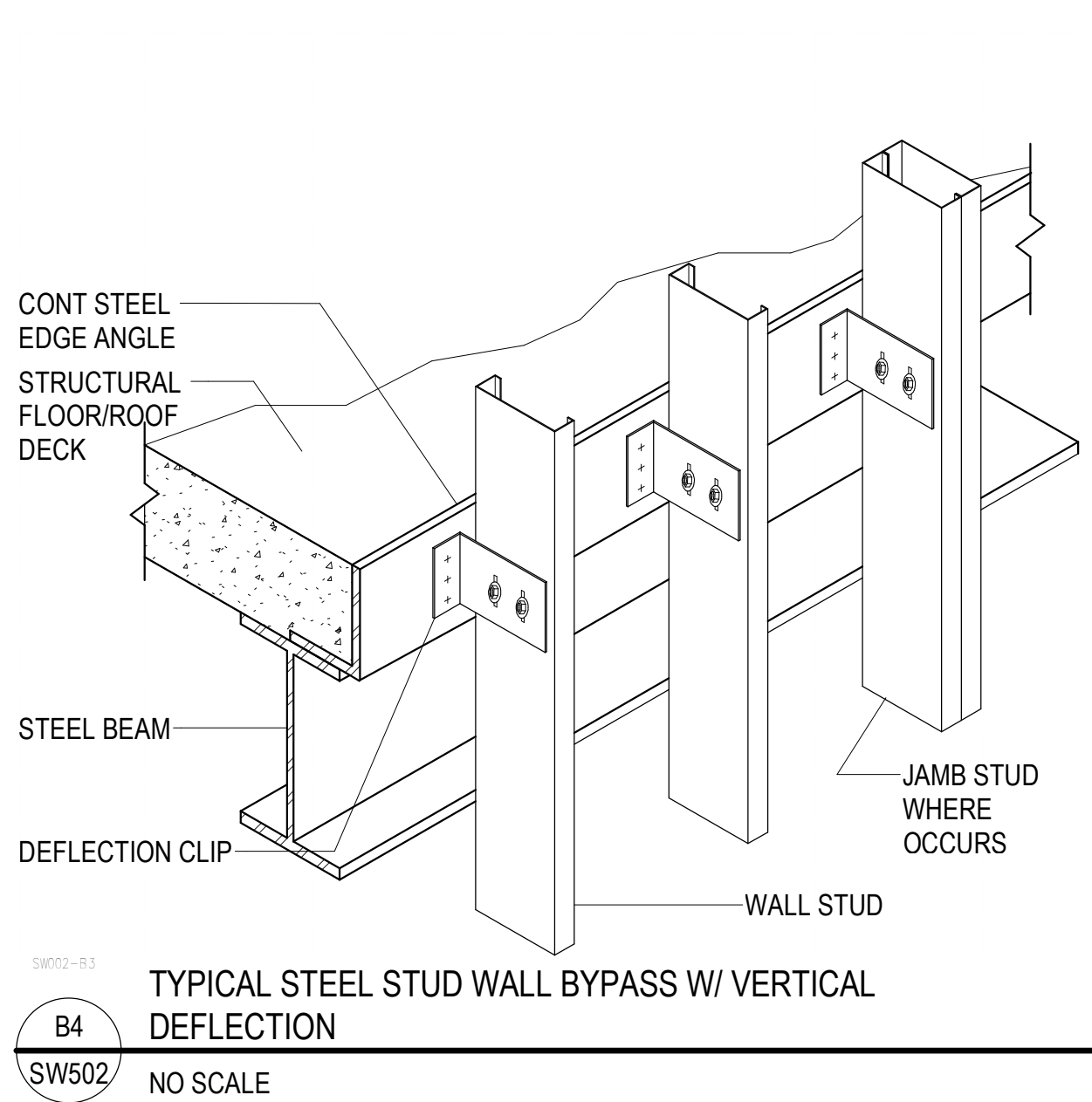
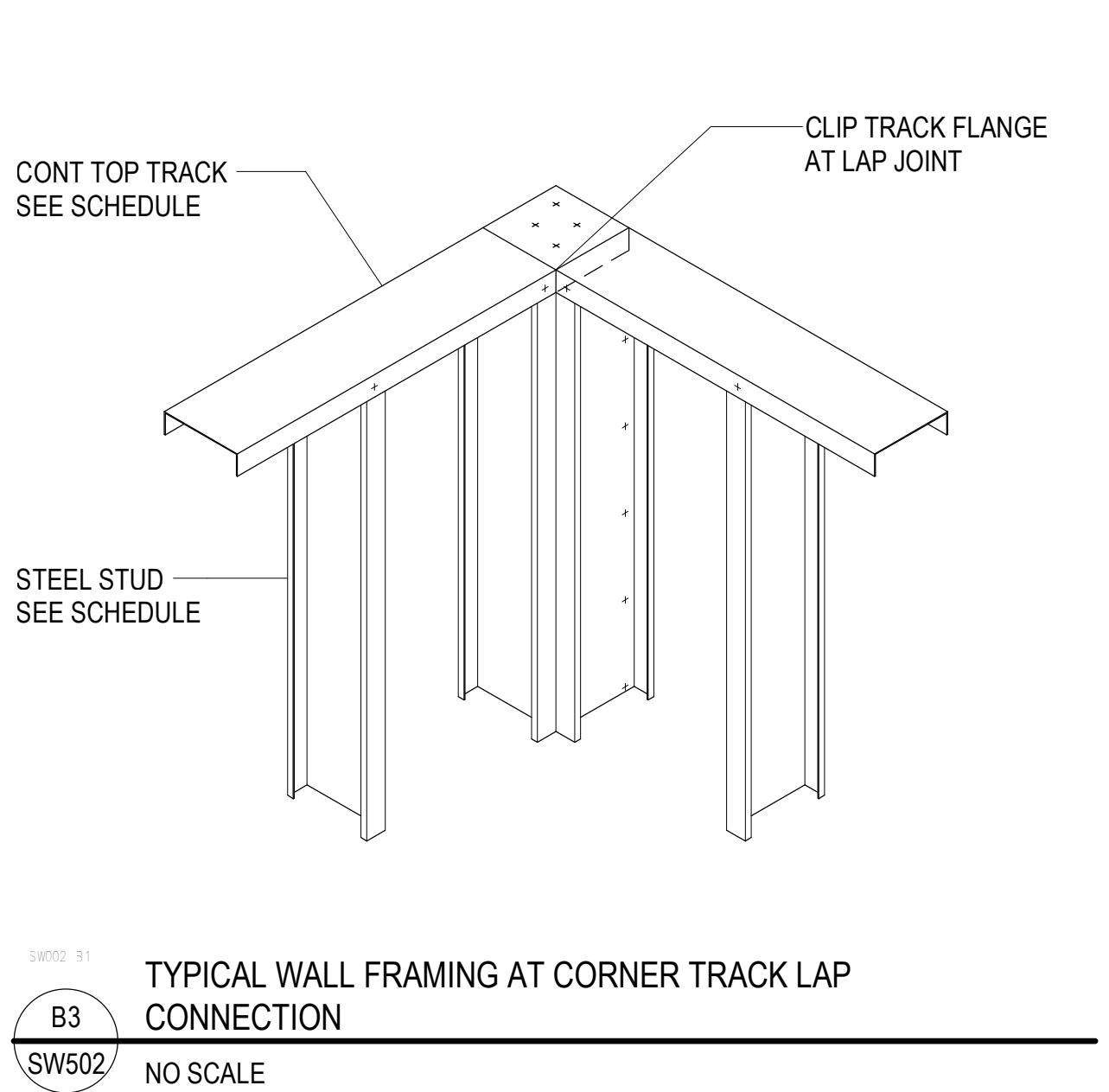
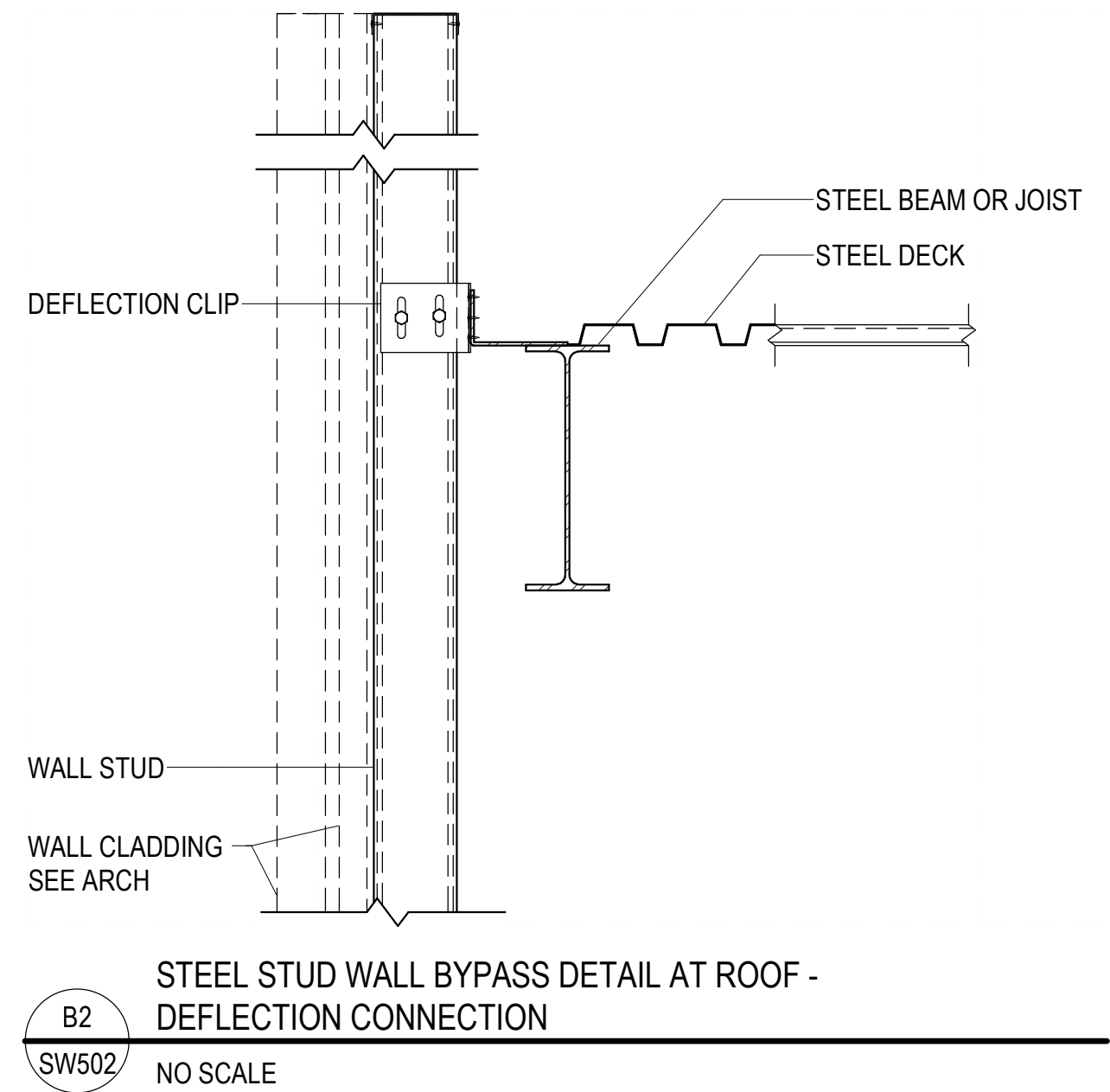
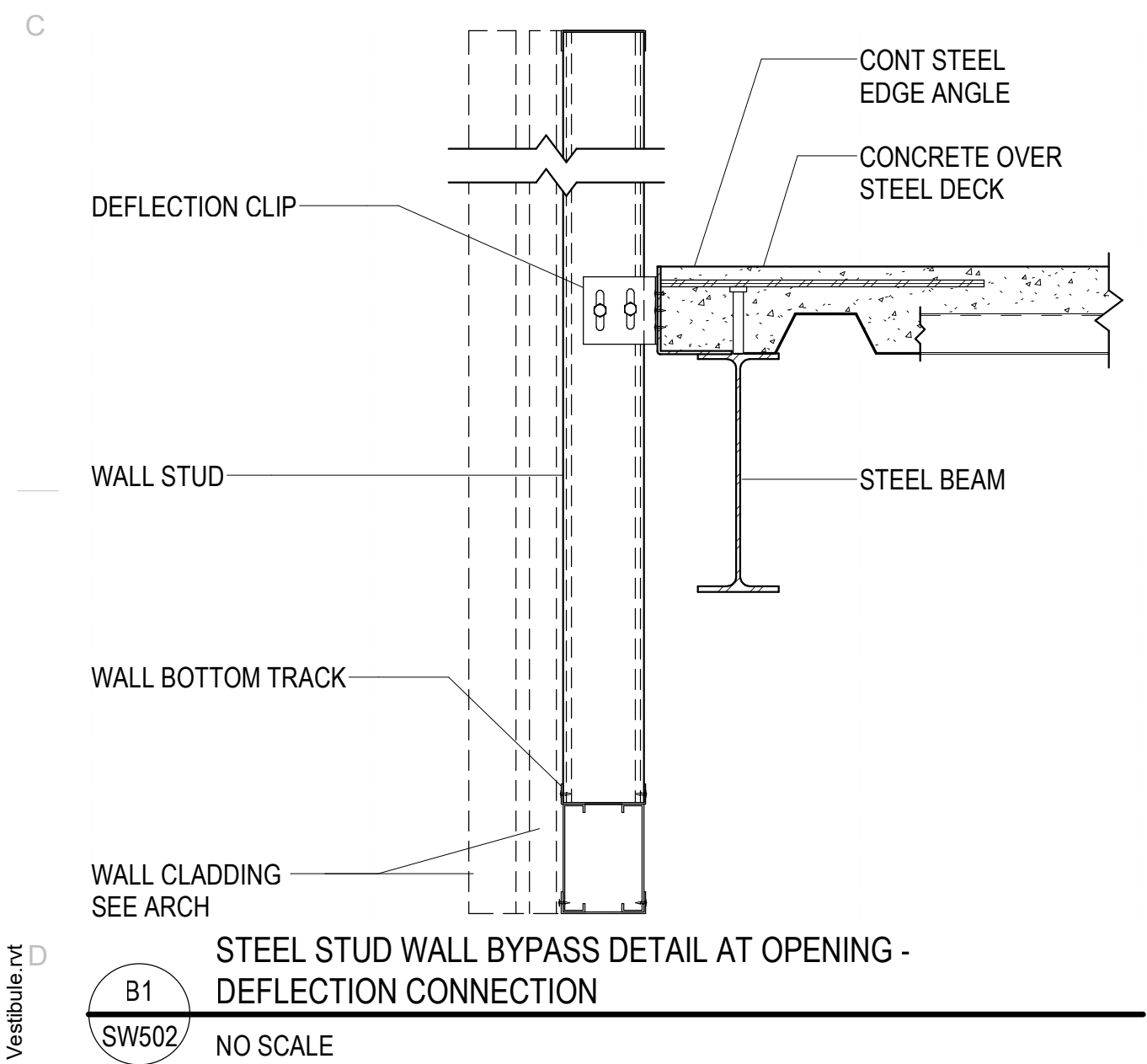
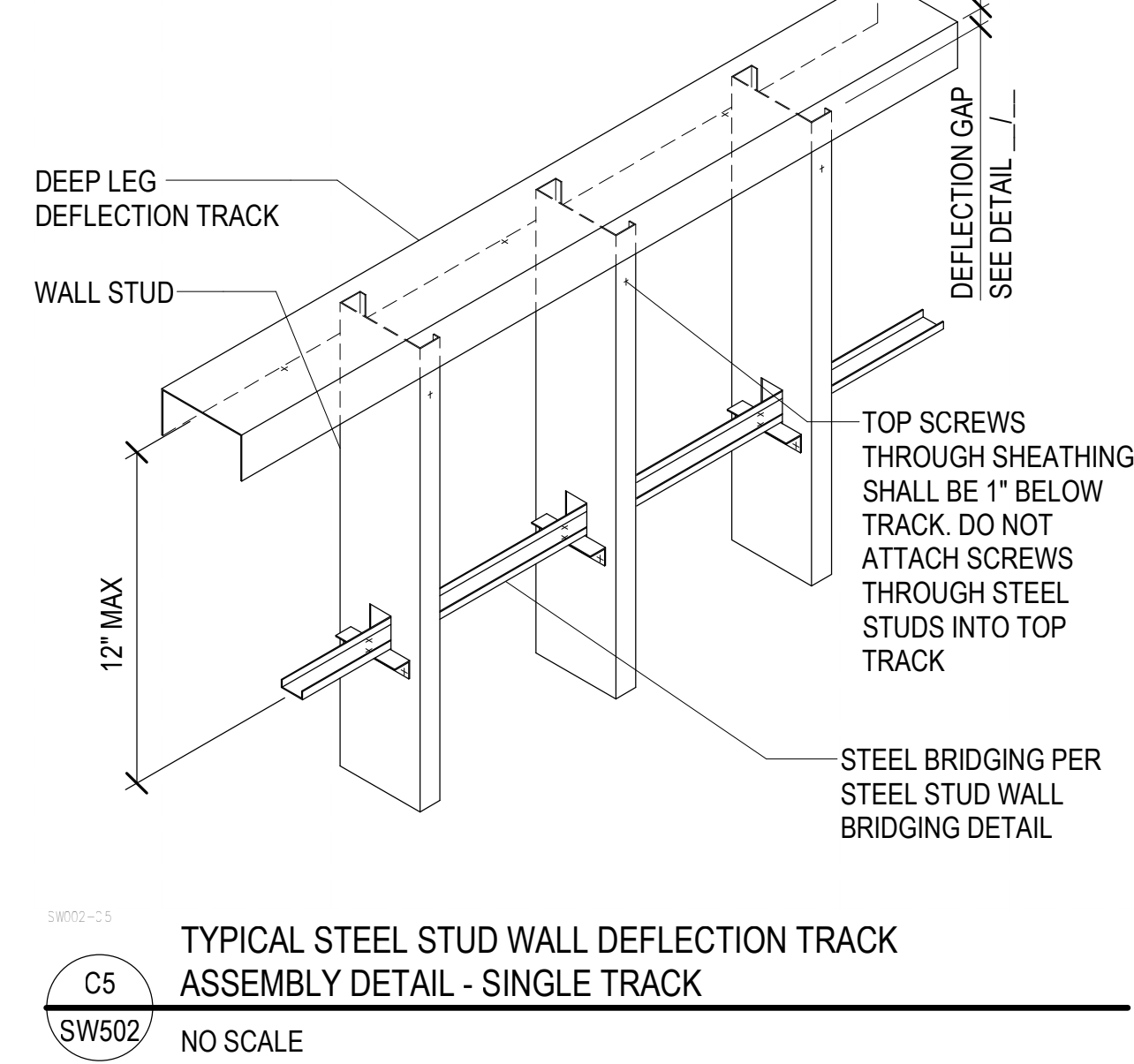
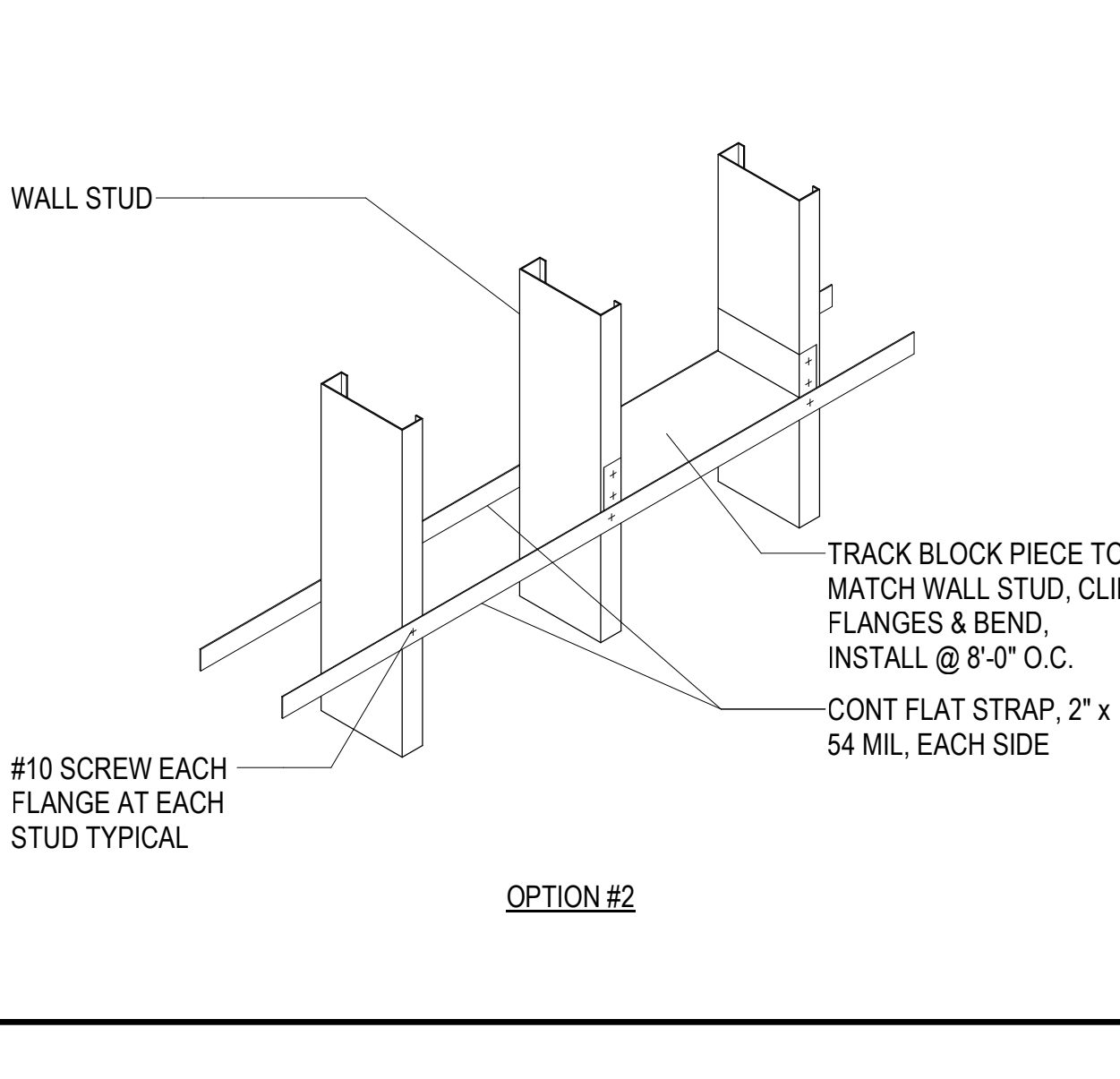
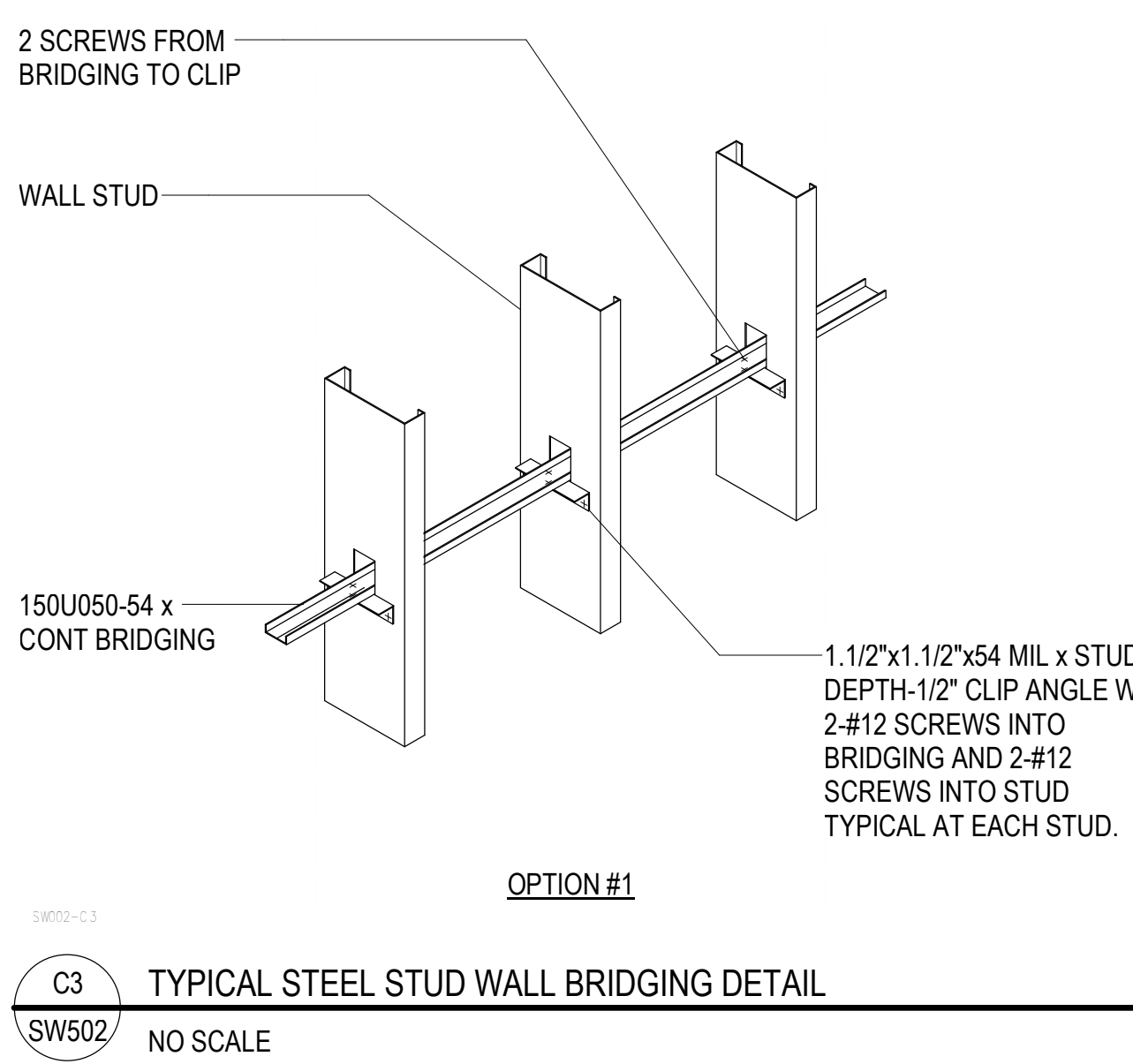
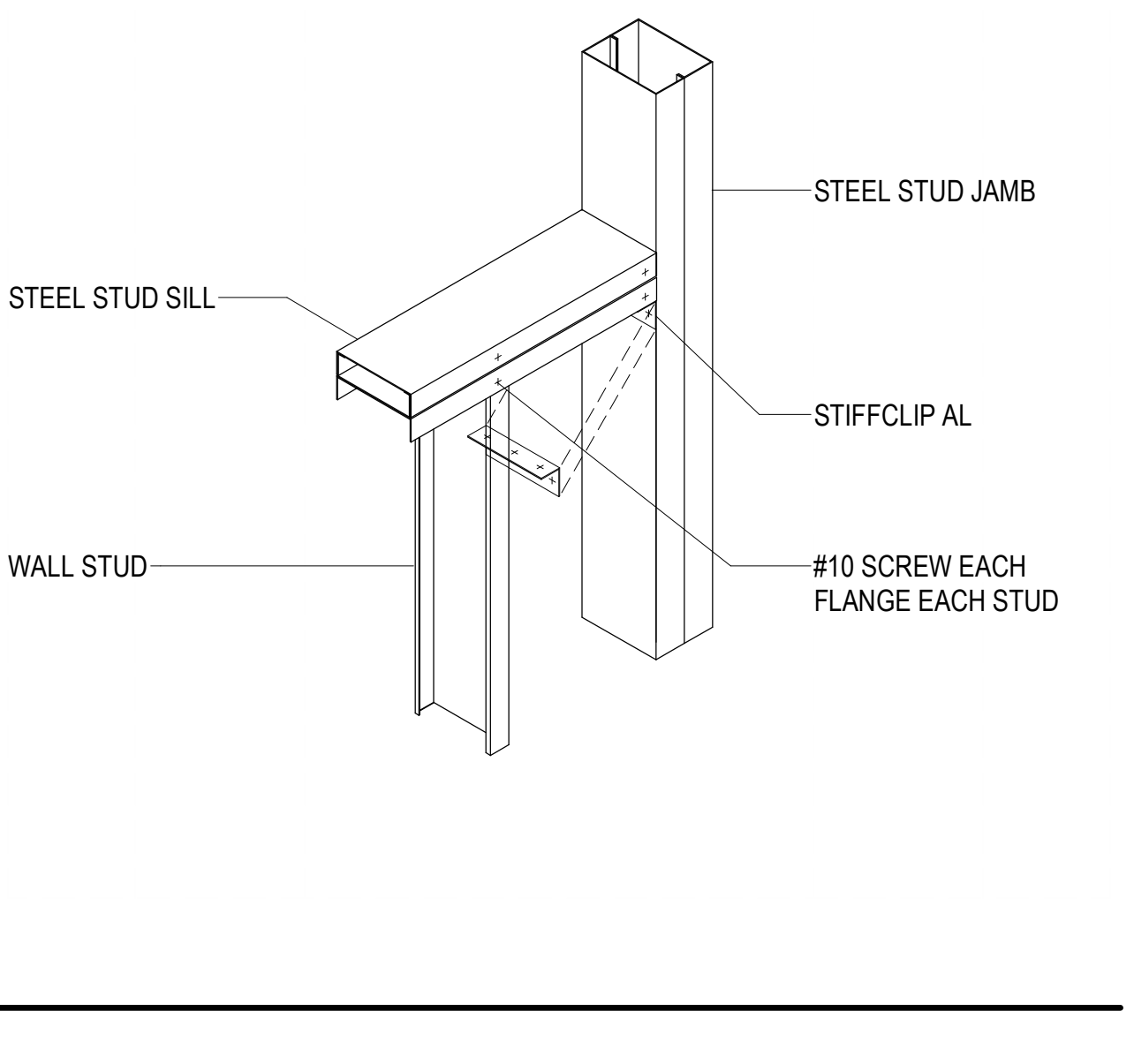
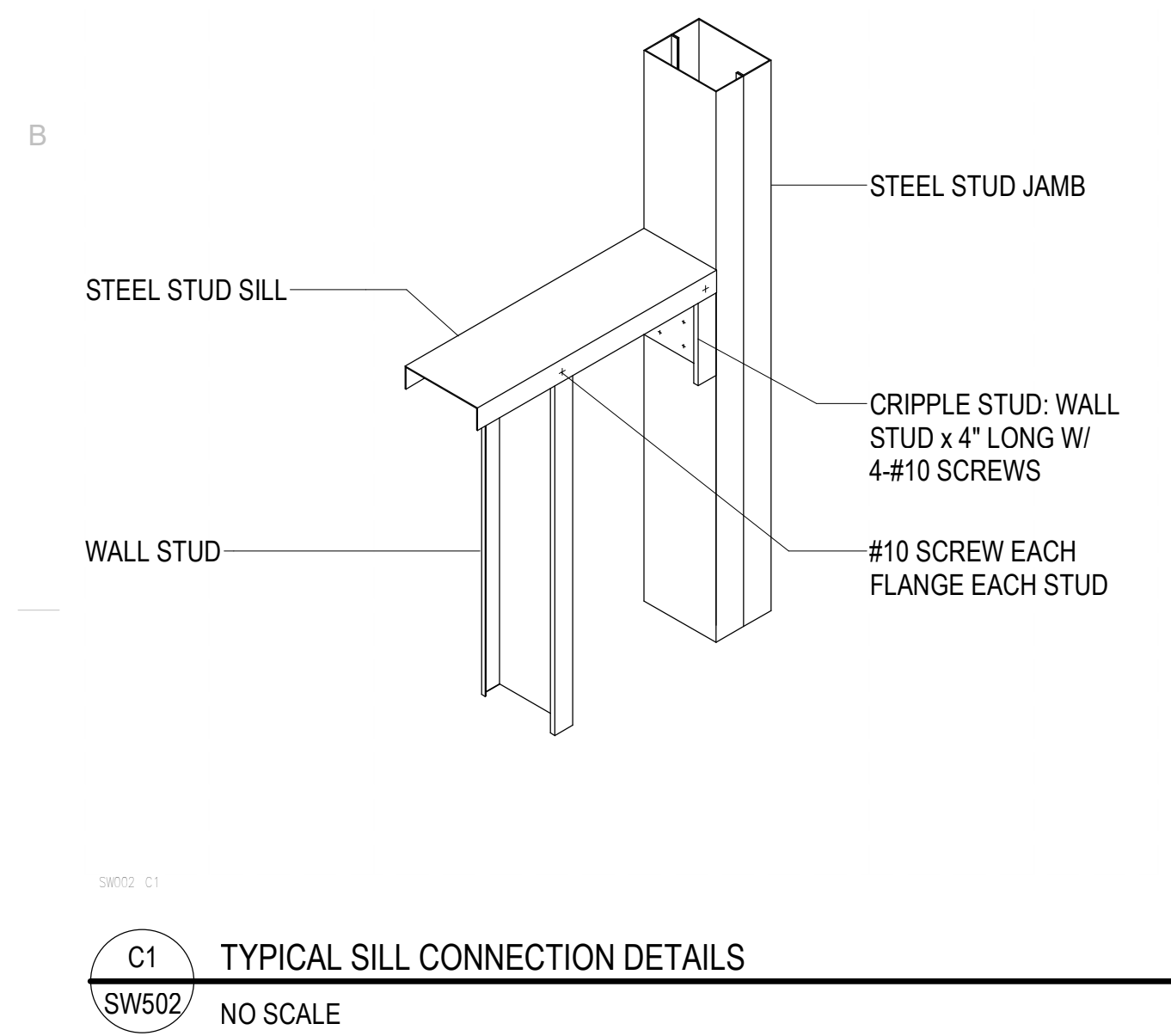
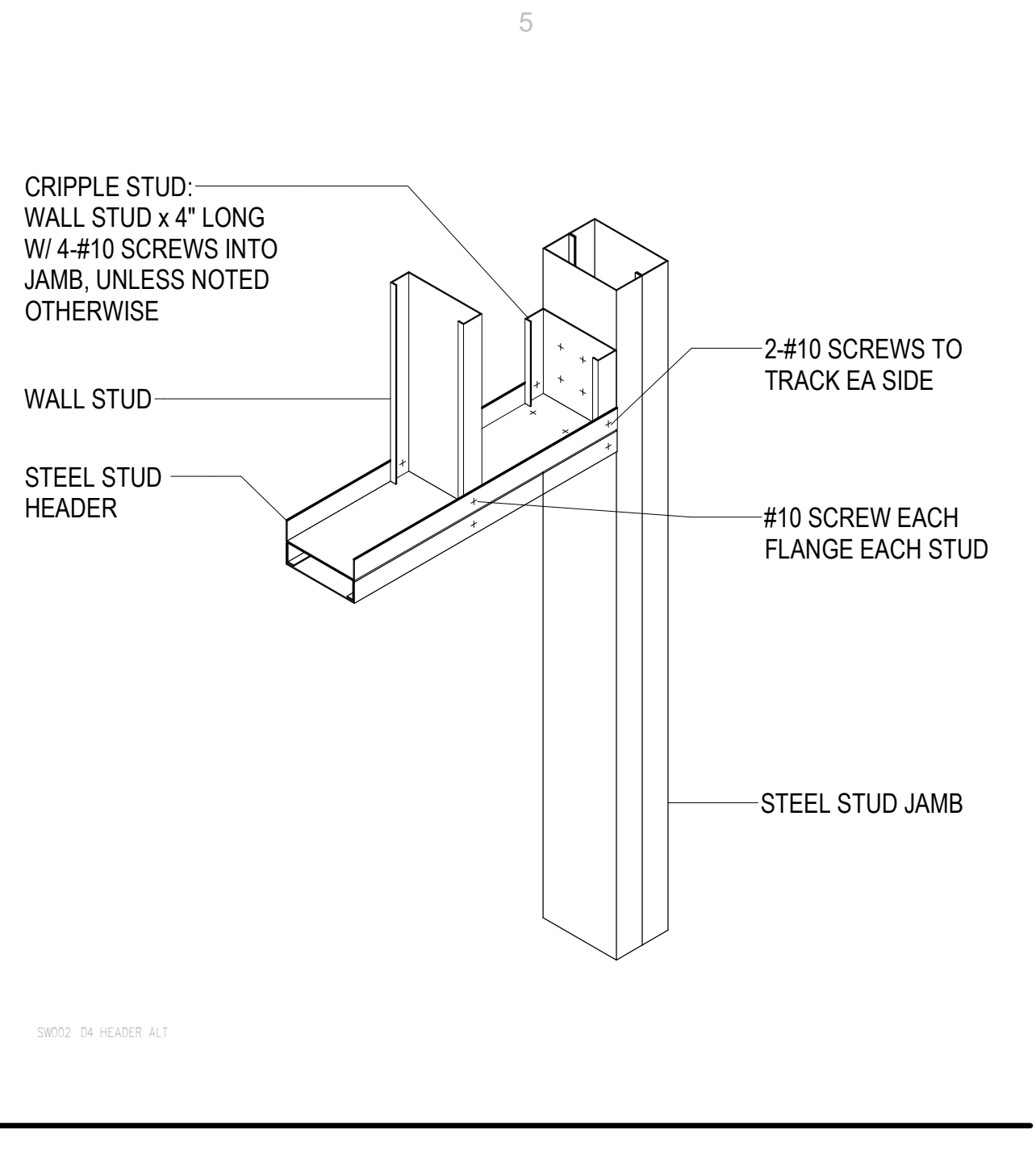
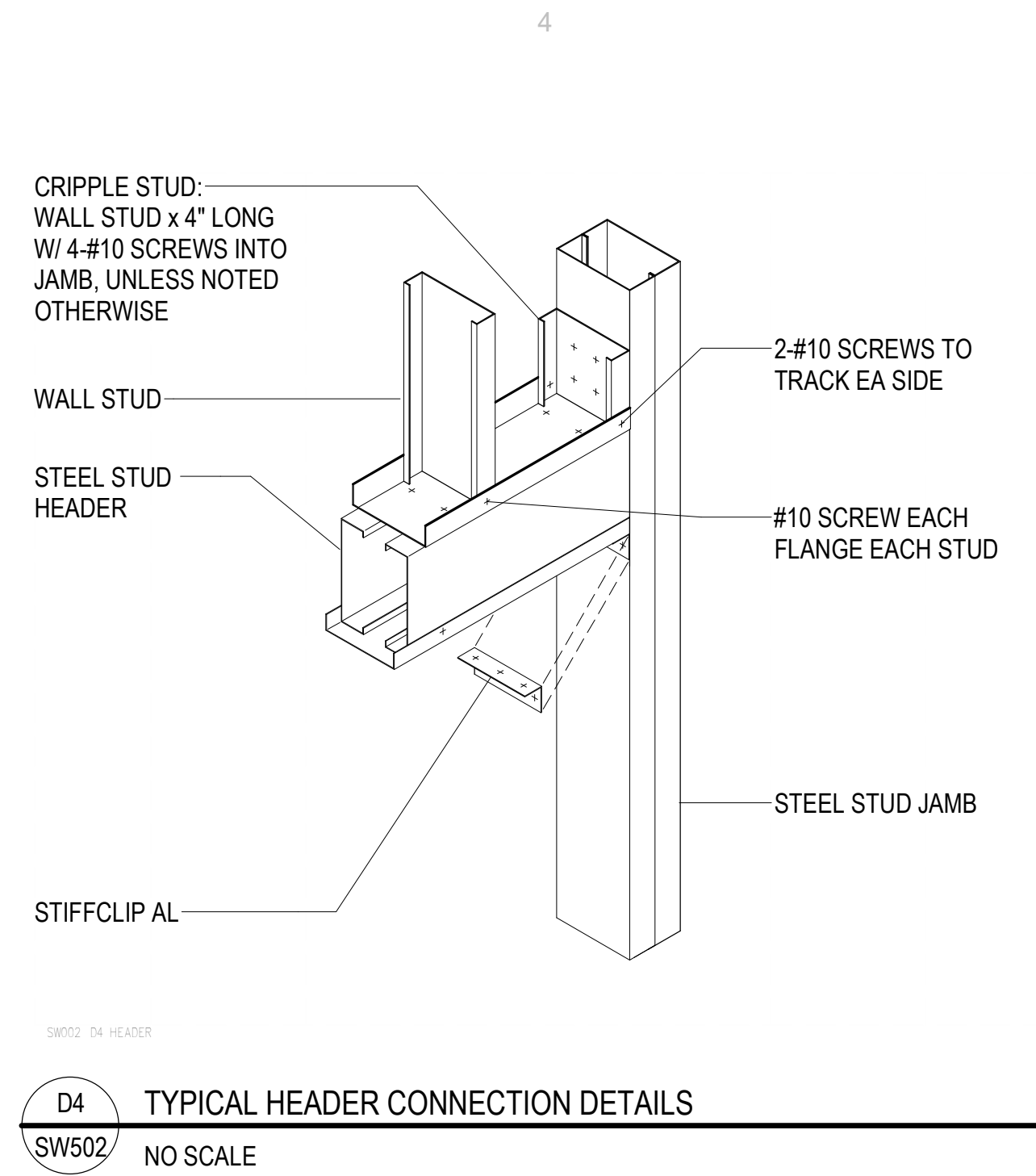
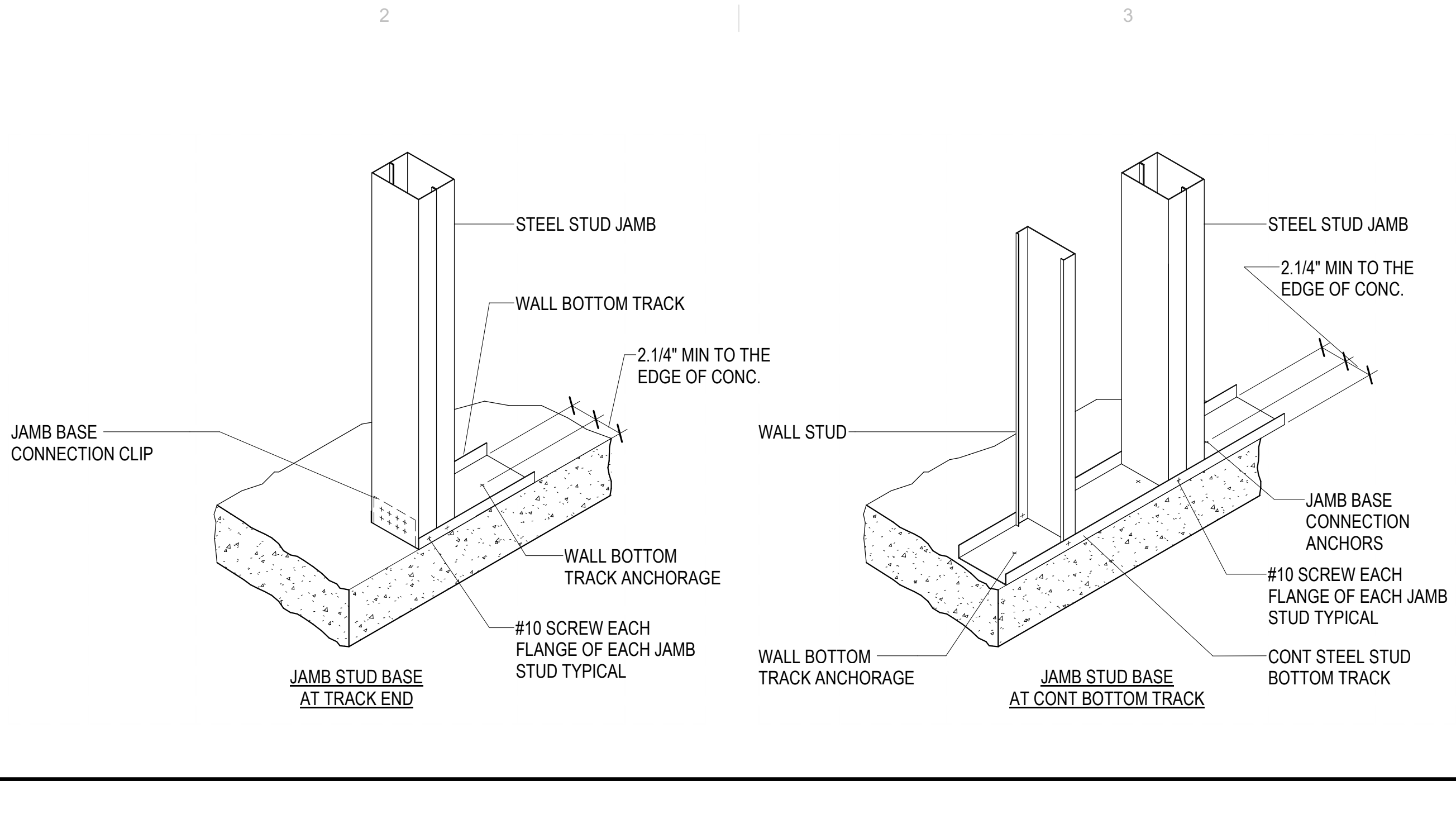
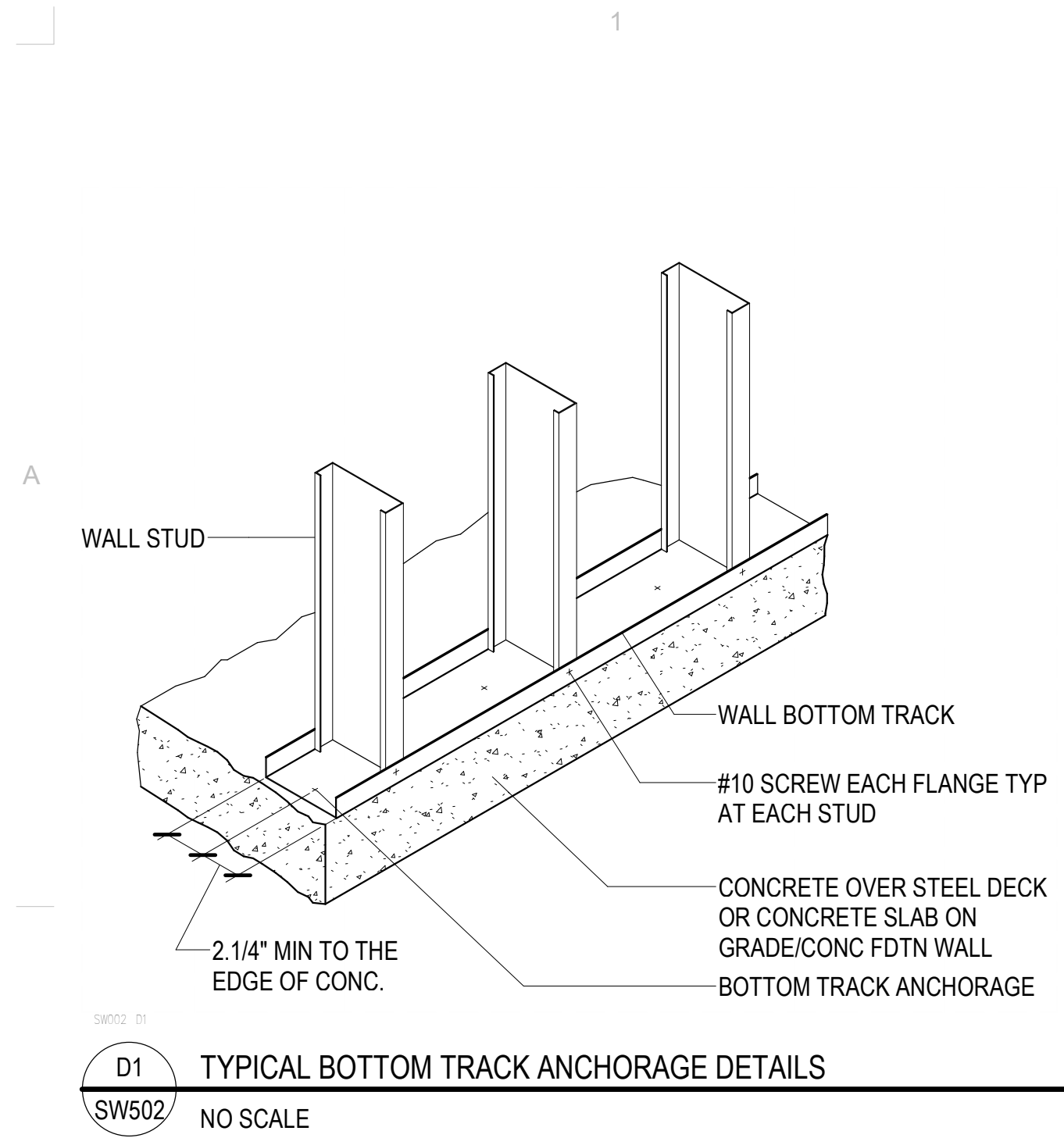


d	ANGLE SIZE	WELD LENGTH L1	WELD LENGTH L2	NOTES
UP TO 5"	L4x4x3/8	1 1/2"	1"	
≤ 6"	L5x5x3/8	1 1/2"	2"	
≤ 7"	L6x6x3/8	1 1/2"	3"	
≤ 8"	7x7x3/8 BENT PLATE	1 1/2"	4"	
≤ 9"	L8x8x1/2	1 1/2"	5"	
≤ 10"	9x9x1/2 BENT PLATE	1 1/2"	6"	



BRACE LENGTH "L"	STEEL STUD BRACE SIZE	# / SIZE OF SCREWS TO STUD FRAMING
UP TO 4'-0"	600S162-54	4-#10
4'-0" TO 8'-0"	600S162-54	4-#10
8'-0" TO 12'-0"	600S162-54	4-#10
OVER 12'-0"	2-800S162-54	4-#10

NON-LOAD BEARING EXTERIOR STUDS ON THE SHEETS WITH "SW" PREFIX ARE TO BE USED FOR REFERENCE ONLY AND ARE TO BE SUPERSEDED BY THE CONTRACTOR'S DELEGATED DESIGN SUBMITTAL.



MHTN ARCHITECTS
MHTN Architects, Inc.
260 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
www.mhtn.com

REAVELEY Engineers
515 East 100 South, Suite 1200
Salt Lake City, Utah 84102
801.486.3883
www.reaveley.com

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

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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
EXTERIOR STEEL STUD DETAILS

SHEET NUMBER
SW502

RETURN TO INDEX

525 North 100 East, Blanding, Utah 84511

SE.



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

REVISIONS

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LAST REVISION DATE.

NO.△	DATE	DESCRIPTION
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00 FEBRUARY 2000

06 FEBRUARY 2026

SHEET NAME

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OVERALL

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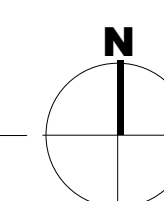
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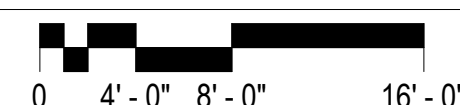
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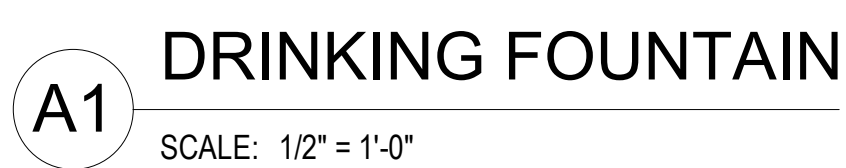
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[RETURN TO INDEX](#)



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





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

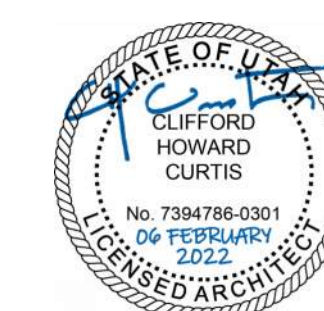
- 01 ALL NEW LIGHTING, DIFFUSERS, DOORS, FINISHES, FIXTURES & CASEWORK IN AREAS OF NEW CONSTRUCTION - FURNITURE - NIC
- 02 NEW STOREFRONT SYSTEM W/ INTRUSION FILM - PRIORITY 1 APPLIED TO GLAZING TO MULLION CLOSEST TO 7' AFF
- 03 INFILL OPENING W/ SIM MATERIAL, FINISH SMOOTH & PAINT - F.V.
- 05 RECONFIGURE DUCTING - USE EXISTING HVAC
- 06 CONSTRUCTION BOUNDARY - NO WORK IN THIS AREA
- 08 INFILL GRILLE OPENING 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 REINSTATE EXISTING TUNNEL HATCH IN NEW SLAB - F.V. RE: STRUCTURAL
- 11 PREP LOWER PORTION OF EXIST. COLUMN & RESURFACE FULL COLUMN TO MATCH EXISTING - F.V.
- 12 4FT TALL TACK BOARD - F.V. DISTANCE BETWEEN DOOR JAMBS OR TO WALL END
- 13 DISPLAY & (2) 5W x 4H WHITEBOARDS
- 14 DISPLAY & (2) 10W x 4H WHITEBOARDS
- 15 OVERHEAD TRACK FOR ACCESSIBLE TROLLEY SYSTEM RE: STRUCTURAL FOR OVERHEAD SUPPORT FRAMING



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MHTN PROJECT NO. 2023554.01

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NO.	DATE	DESCRIPTION
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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
ADMIN PARTIAL
FLOOR PLAN

SHEET NUMBER

A101

[RETURN TO INDEX](#)

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.

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.

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.

- 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 ABOVE CEILING
- 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
- 09 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 LAB OVERLAPPING 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.



 AREA OF NO WORK

 EXISTING TO REMAIN

 REMOVE DOOR &
FRAME
WALLS & OTHER ITEM
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.

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

RE: G200 for Fixture Mounting Heights.

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

RE: **G300** for 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

- 01 ALL NEW LIGHTING, DIFFUSERS, DOORS, FINISHES, FIXTURES & CASEWORK IN AREAS OF NEW CONSTRUCTION - FURNITURE - NIC
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	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.

	VIDEO INTERCOM
	CARD READER W/ REMOTE BUTTON DOOR RELEASE
	REMOTE BUTTON DOOR RELEASE
	CARD READER
ALT-01 LAMINATED SECURITY FILM GLAZING REFER TO SPECIFICATION	

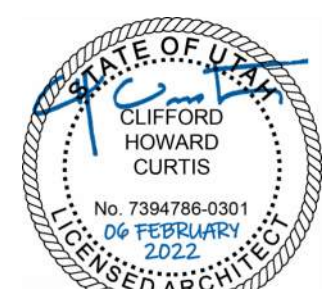
MHTN
ARCHITECTS
MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 595-6700
www.mhtn.com

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SEA1



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

NO. 	DATE	DESCRIPTION
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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME

COUNSELING
PARTIAL FLOOR &
DEMOLITION
PLANS

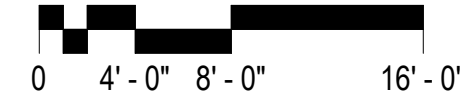
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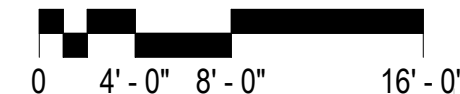
B1

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



E1

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



EXPANSION JOINT 1

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



EQUIPMENT CURB DETAIL

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

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

RE: G300 for Roof Types.

RE: A401 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 ¼" 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.

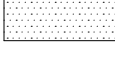
Elevation Datum Points: Datum points are to top of deck unless noted otherwise.

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.

- | | |
|---|--|
|  | 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 |

1

1

ISS

SH
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A121

[RETURN TO INDEX](#)

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DATE
OCTOBER 10, 2026

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REVISIONS

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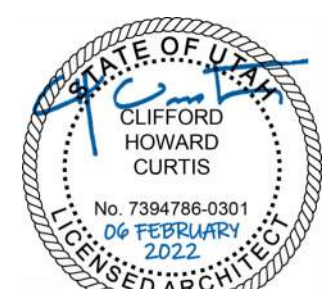
Lyman Middle School

BLANDING, UTAH

SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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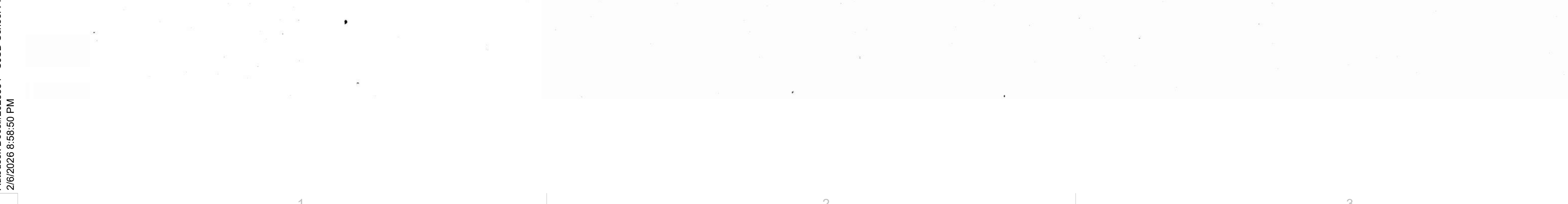
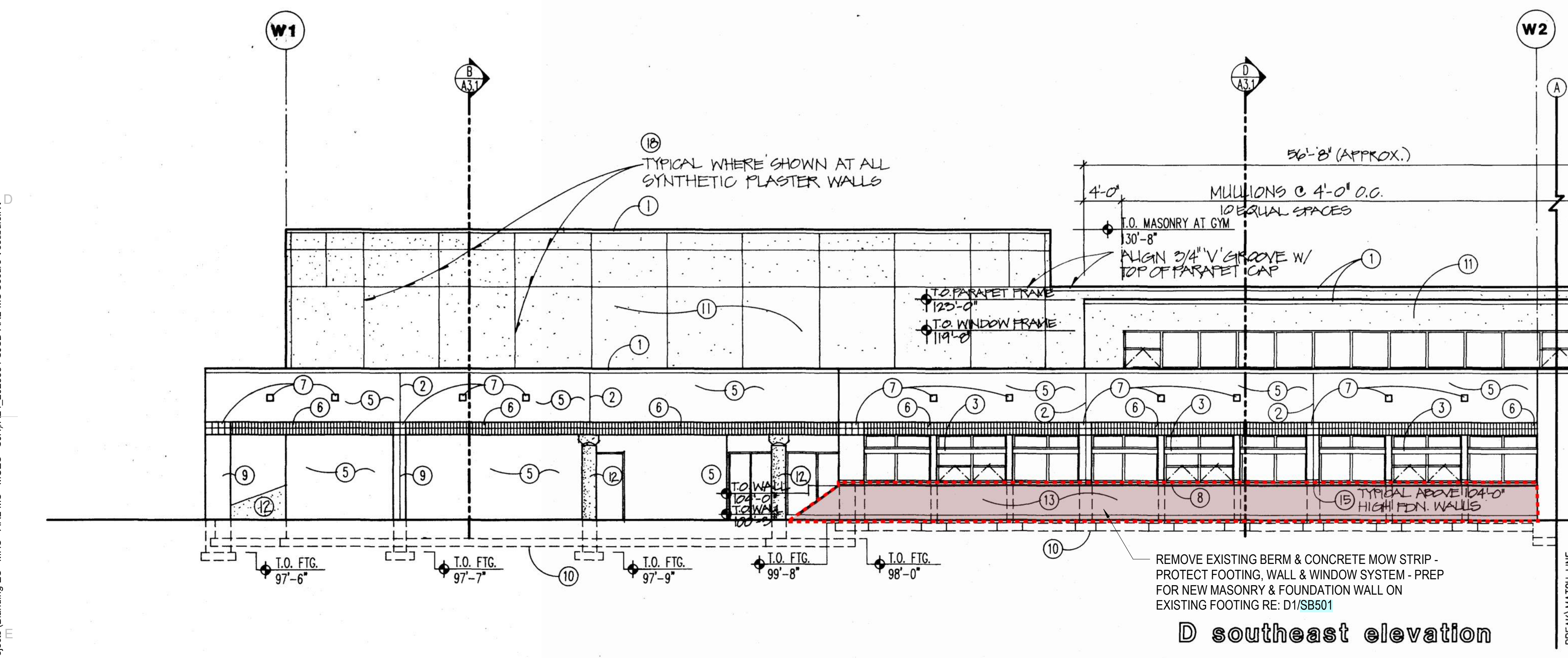
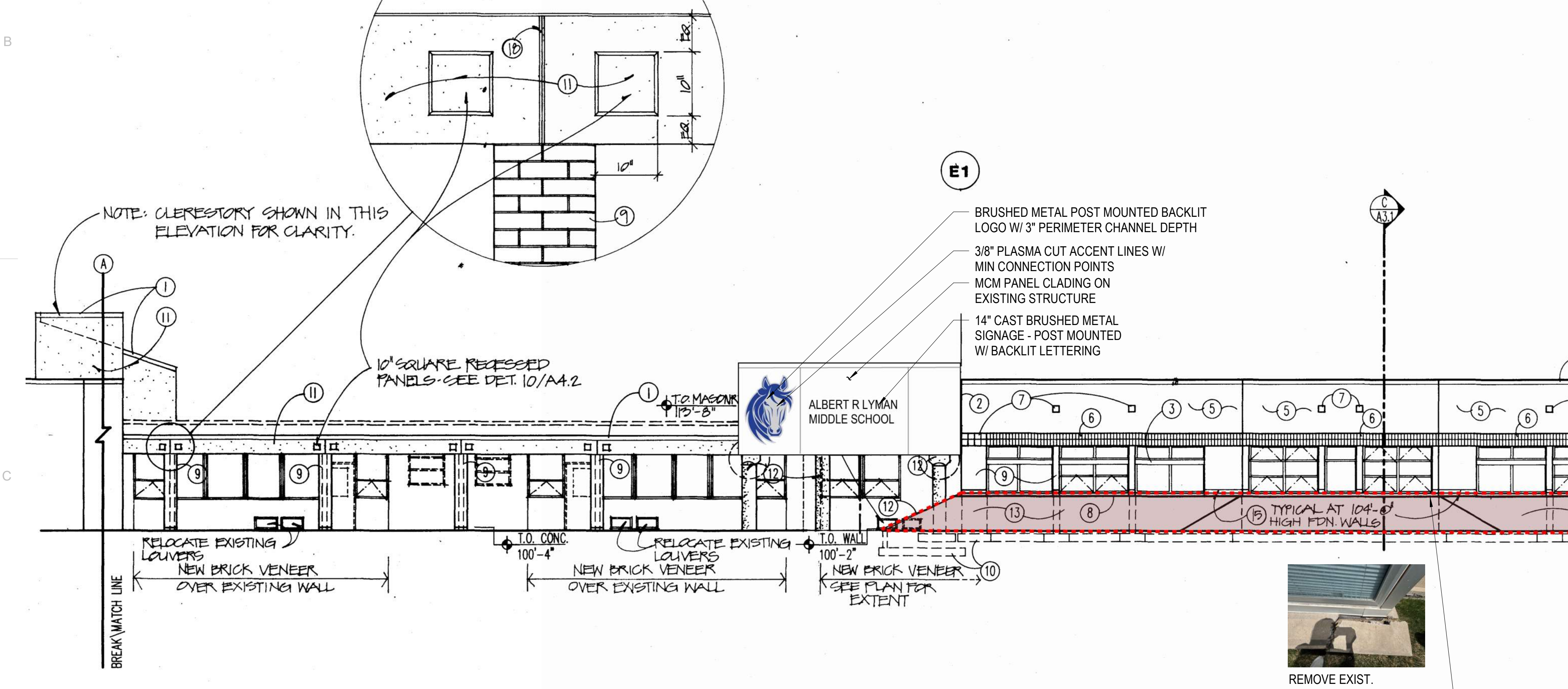
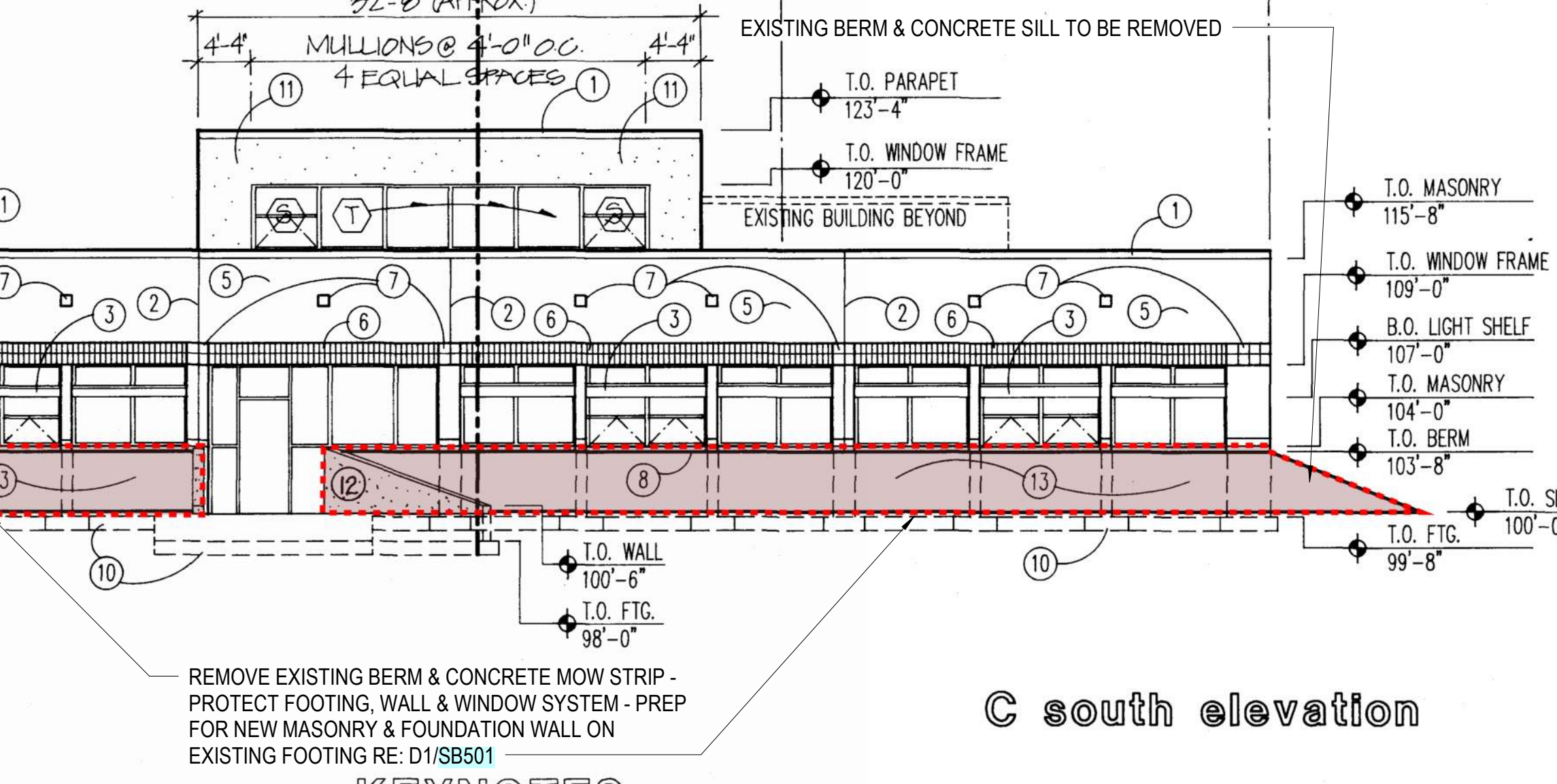
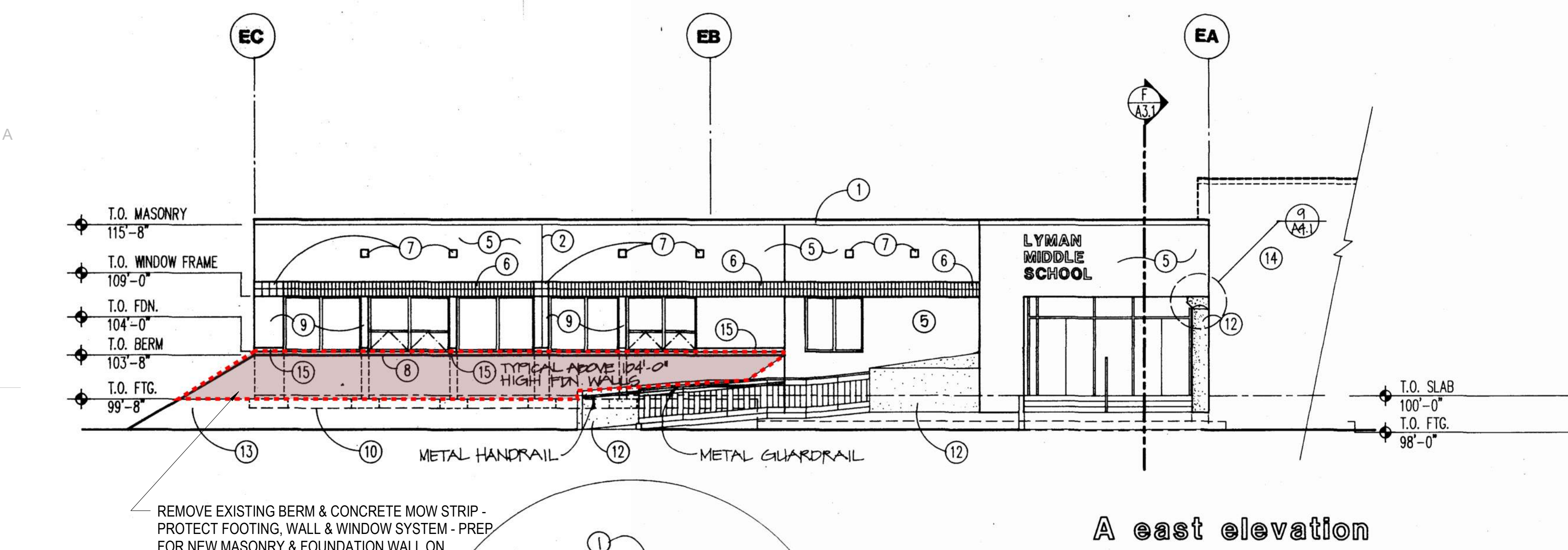
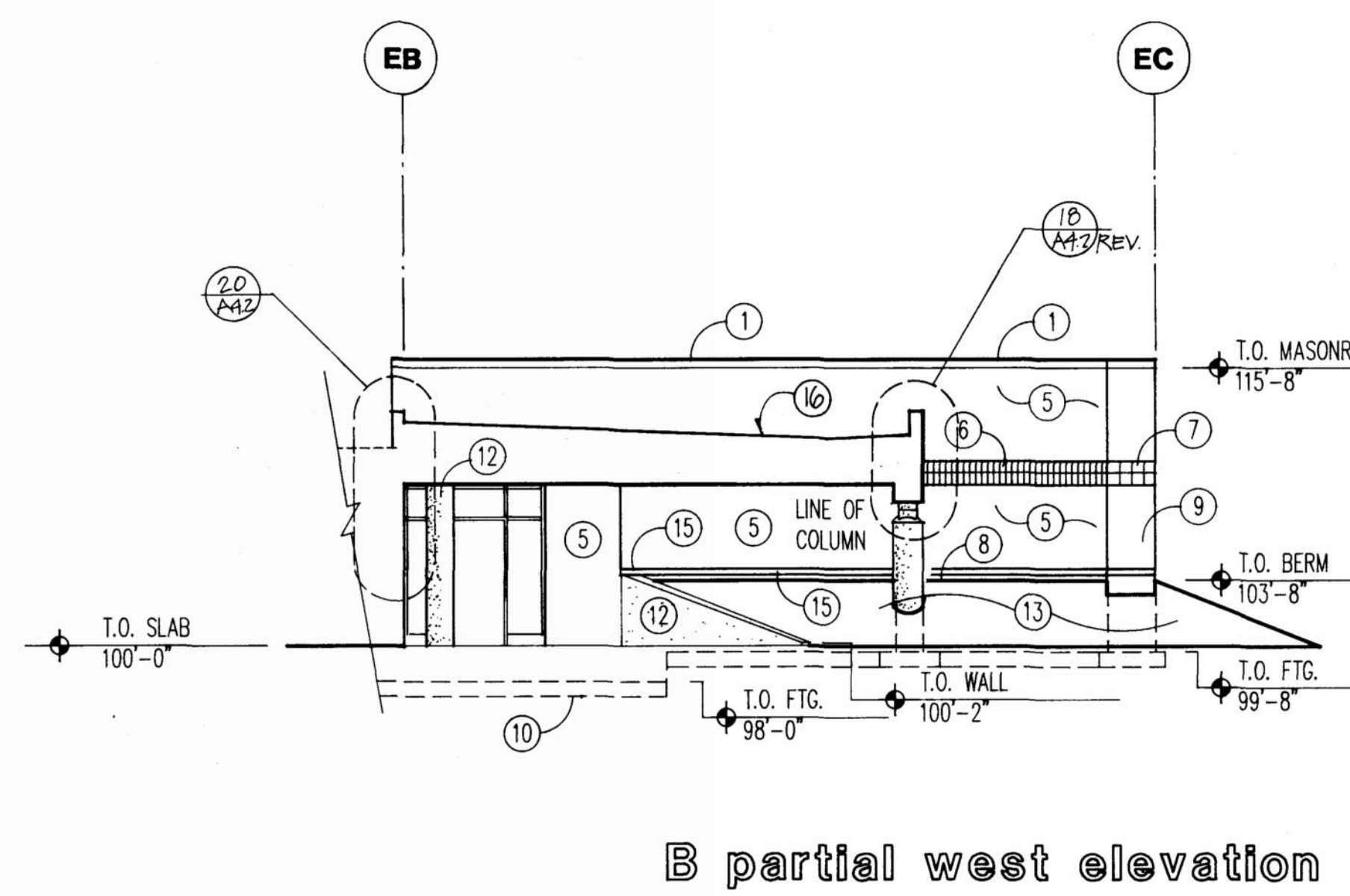
NO. DATE DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
EXISTING
REFERENCE
ELEVATIONS

SHEET NUMBER
A201

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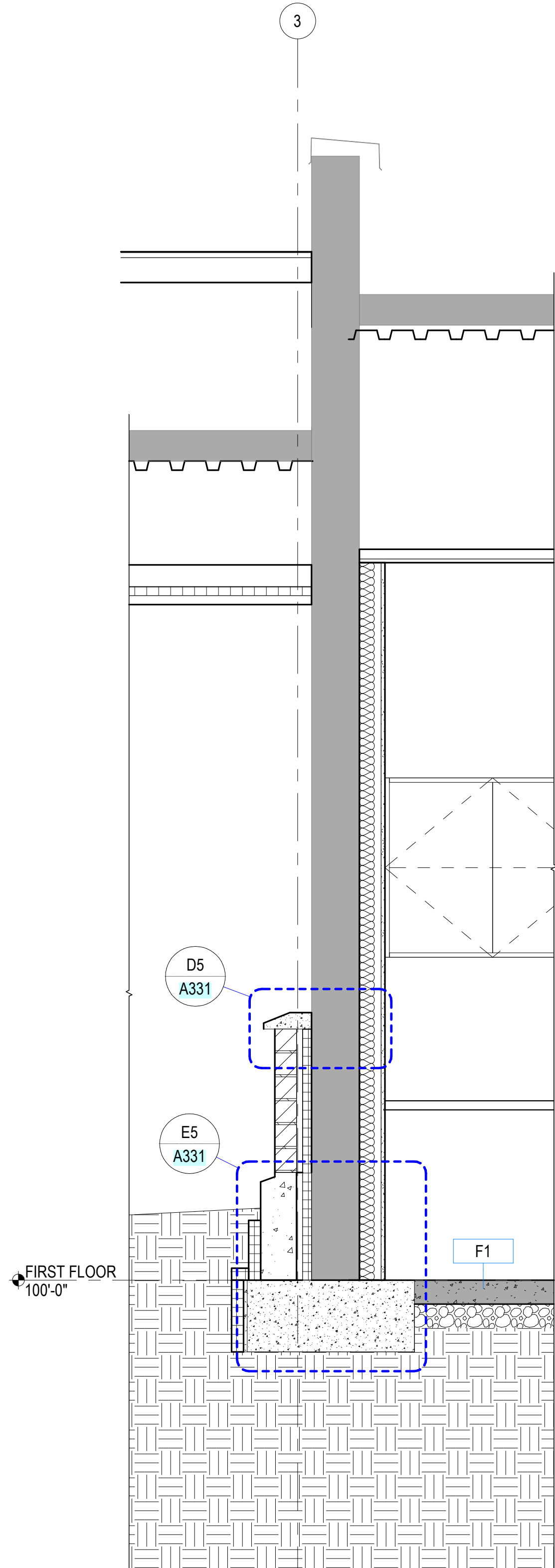
KEYNOTES

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

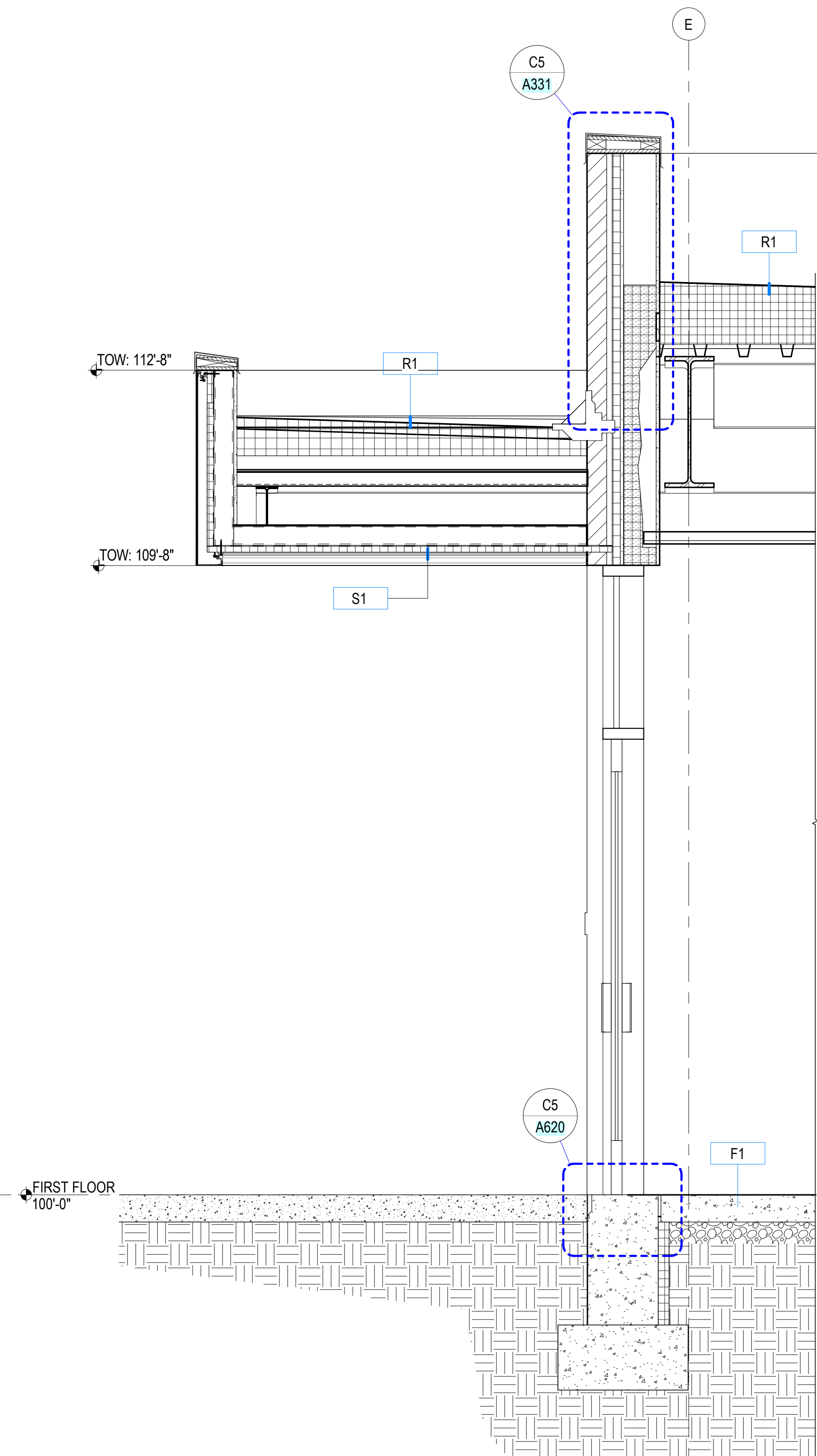


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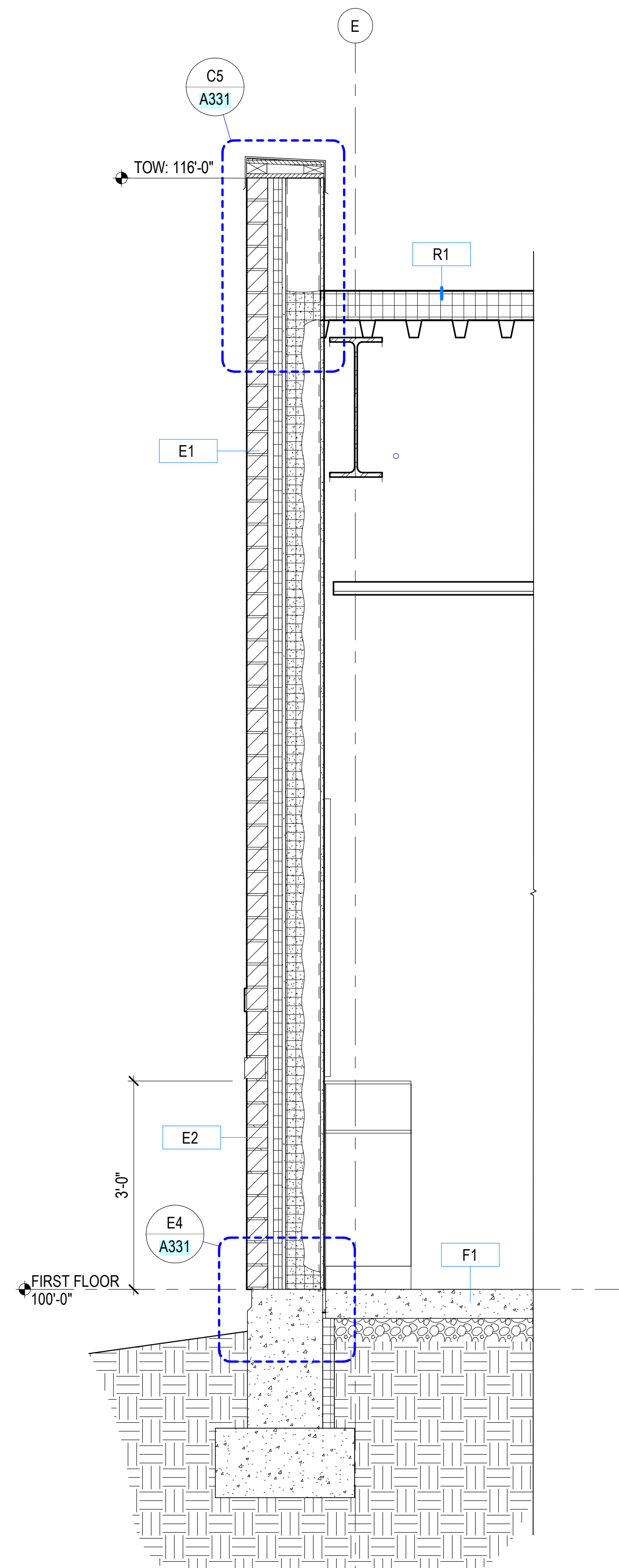
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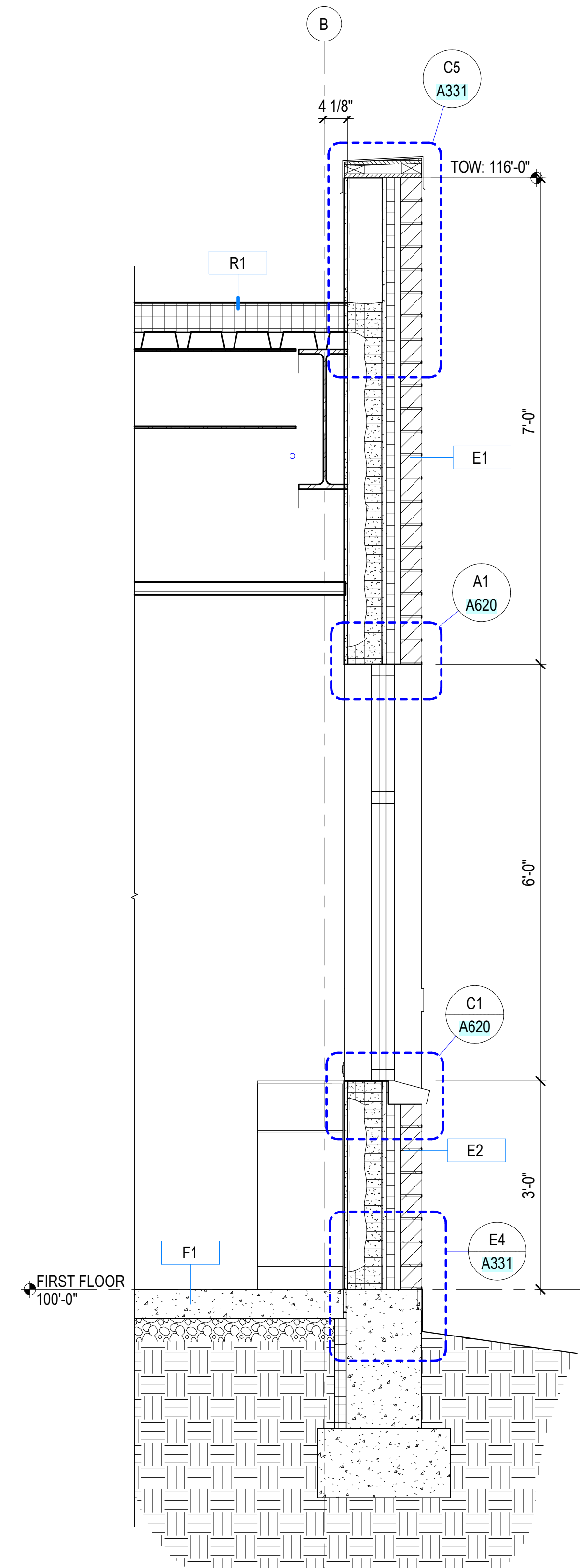
E2 WALL SECTION
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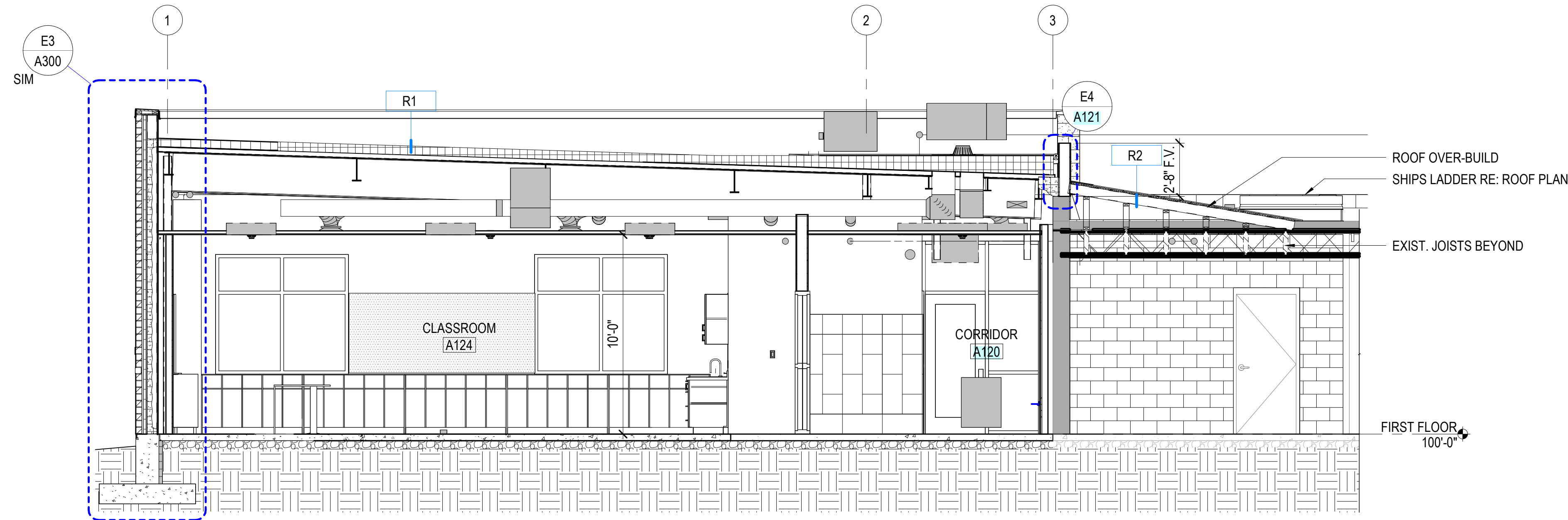
E3 WALL SECTION
SCALE: 3/4" = 1'-0"



E5 WALL SECTION
SCALE: 3/4" = 1'-0"



A2 BUILDING SECTION CLASSROOM E/W
SCALE: 1/4" = 1'-0"



WALL SECTION GENERAL NOTES

RE: Structural for concrete slab on grade thickness.

RE: G400 for Exterior Wall, Floor and Roof Types.

Air Barrier: Seal penetrations through the air barrier per manufacturer's details.

Spray-Applied Fireproofing: Where spray-applied fireproofing is removed for attachment of walls, hangers, clip angles, etc., re-apply the fireproofing material to re-establish the required level of protection.

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SEAL



REVISIONS

REVISIONS

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

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CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS
 INFORMATION

06 FEBRUARY 2026

SHEET NAME

SECTIONS

SECTIONS

SHEET NUMBER

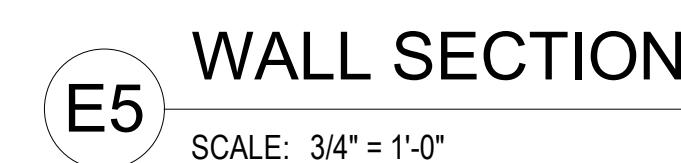
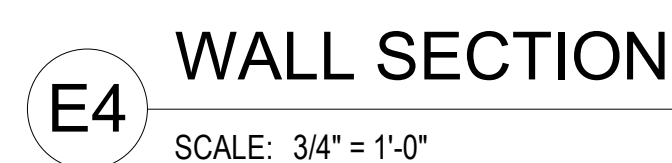
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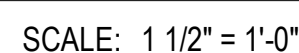
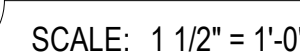
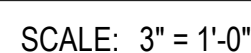
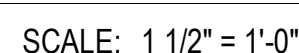
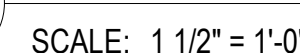
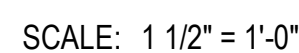
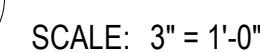
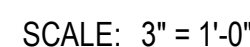
A-3011

ASU 1

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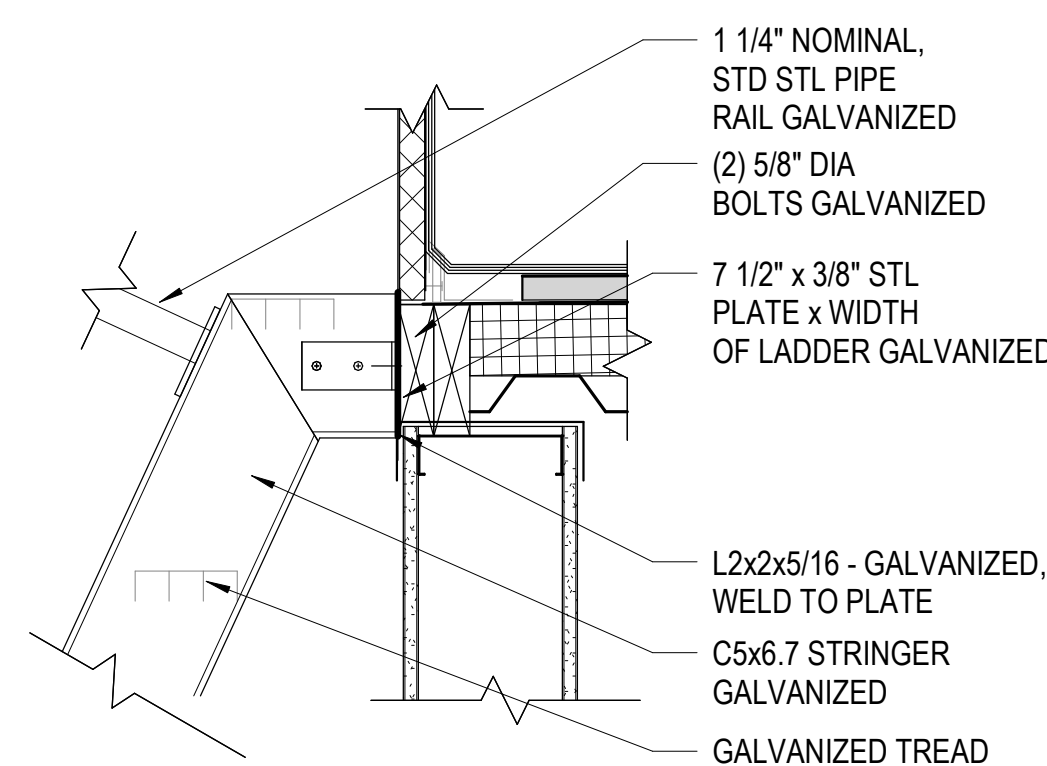


B

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



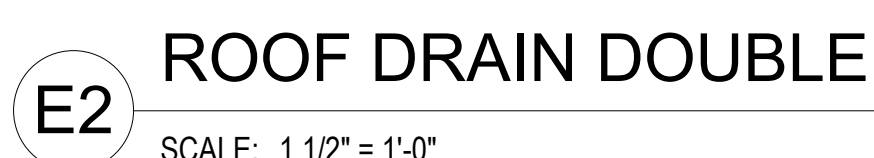
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E4

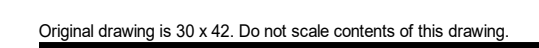


2026 8:59 E1



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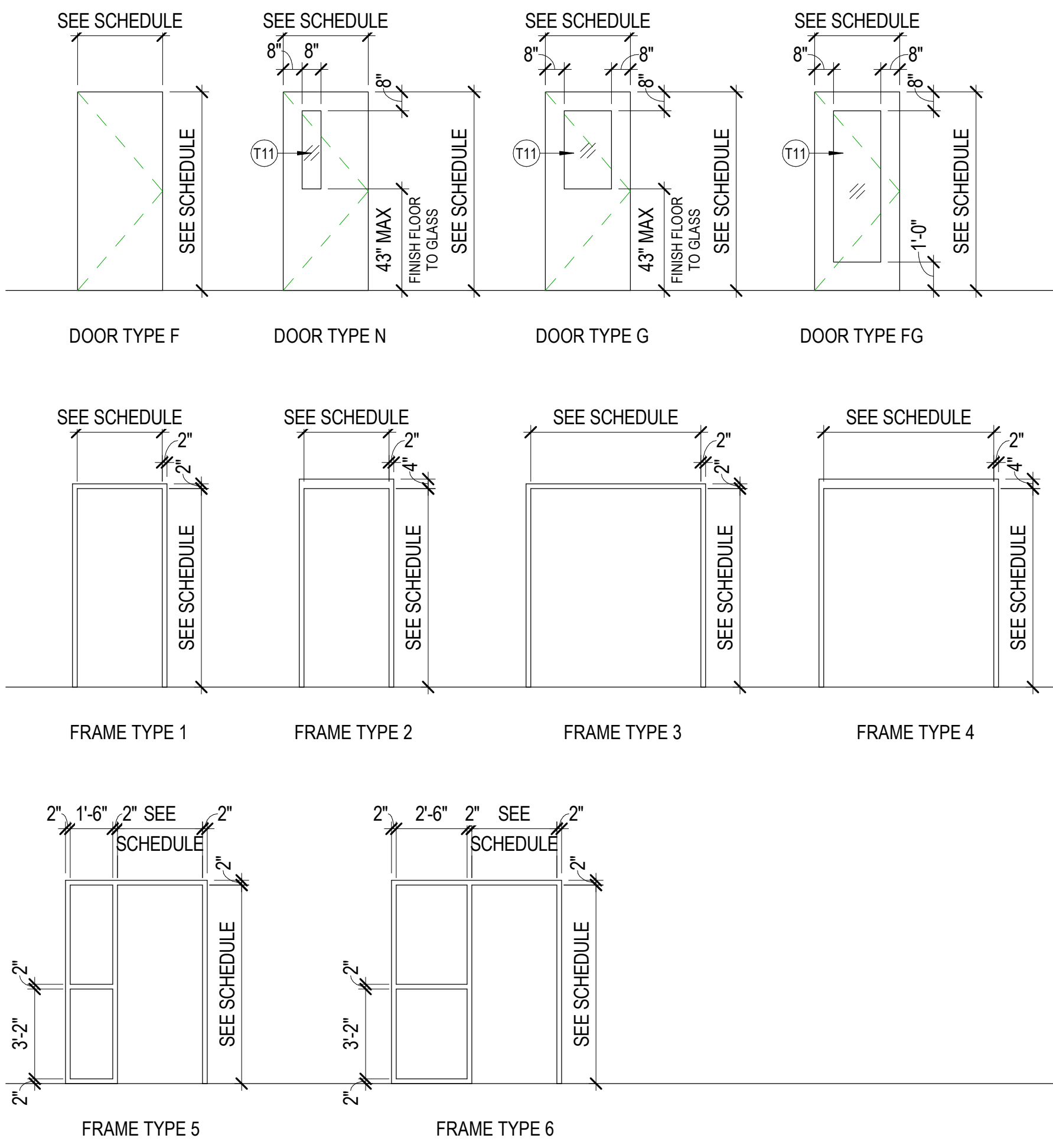
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2/6/2026 8:59:10 PM

DOOR AND FRAME SCHEDULE														
DOOR #	DOOR					FRAME		HEAD DETAIL	JAMB DETAIL	SILL DETAIL	FIRE RATING (MIN)	HARDWARE SET	REMARKS	DOOR #
	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	MATERIAL							
A100A	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL04	CR	A100A
A100B	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL04	CR	A100B
A101	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E3/A600		AL06		A101
A102A	FG	3'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E4/A600		AL01	CR	A102A
A102B	FG	3'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E1/A600		AL02	CR	A102B
A104	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03		A104
A105	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03		A105
A106	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03		A106
A107	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03		A107
A108	F	3'-0"	7'-0"	1 3/4"	WD	2	HM	C3/A600	D3/A600	E4/A600		05		A108
A109	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E4/A600		03		A109
A110	G	3'-0"	7'-0"	1 3/4"	WD	5	HM	C3/A600	D3/A600	E5/A600		03		A110
A111	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C5/A600	D5/A600	E4/A600		01		A111
A113	N	3'-0"	7'-0"	1 3/4"	WD	2	HM	C3/A600	D3/A600	E4/A600		08		A113
A114	F	3'-0"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E4/A600		02		A114
A115	N	3'-0"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E4/A600		08		A115
A116	F	3'-0"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E5/A600		01		A116
A118A	FG	6'-0"	7'-0"	1 3/4"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL05		A118A
A119	F	3'-6"	7'-0"	1 3/4"	WD	2	HM	C5/A600	D5/A600	E3/A600 SIM		07		A119
A120	F	8'-0"	7'-0"	1 3/4"	WD	4	HM	C5/A600	D5/A600	E4/A600		09		A120
A120B	FG	3'-0"	7'-0"	2"	AL	-	AL	C2/A600	D2/A600	E2/A600		AL07.1		A120B
A121	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		04		A121
A122	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600	E4/A600		02		A122
A123A	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		02		A123A
A123B	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		02		A123B
A124A	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E4/A600		04		A124A
A125	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600	E4/A600		02		A125
A126	G	3'-0"	7'-0"	1 3/4"	WD	6	HM	C4/A600	D4/A600	E1/A600		04		A126
A127	F	3'-6"	7'-0"	1 3/4"	WD	1	HM	C5/A600	D5/A600	B5/A600		07		A127
A128	F	3'-0"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600	B5/A600		06		A128
A130	F	3'-6"	7'-0"	1 3/4"	WD	1	HM	C4/A600	D4/A600			11	CR	A130
EX-A112A	F	3'-0"	7'-0"	1 3/4"		2						12	DELAYED EGRESS	EX-A112A
EX-A112B	FG	3'-0"	7'-0"	2"		-						04.1	DELAYED EGRESS	EX-A112B
Grand total: 33														



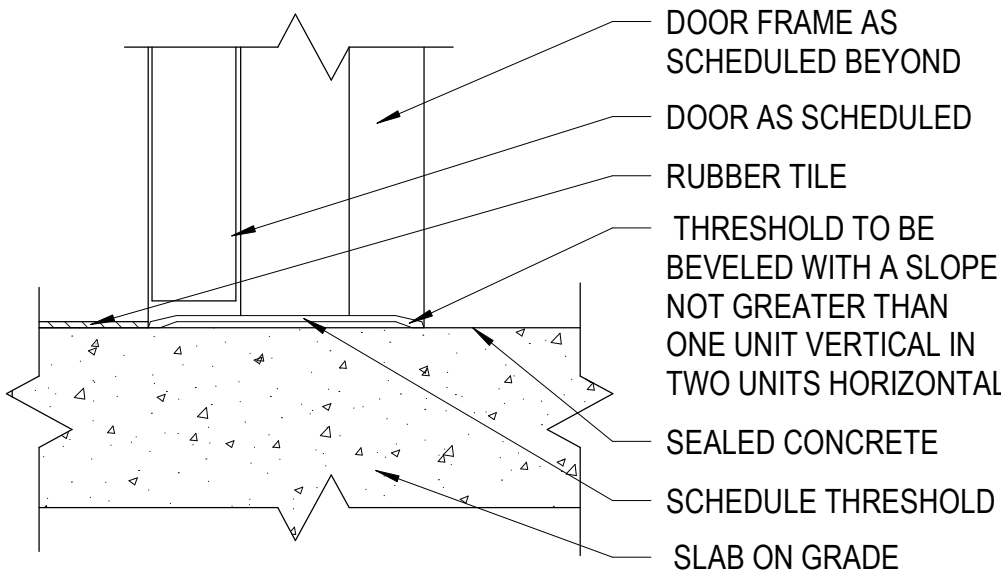
DOOR & FRAME TYPES

DOOR SCHEDULE GENERAL NOTES

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

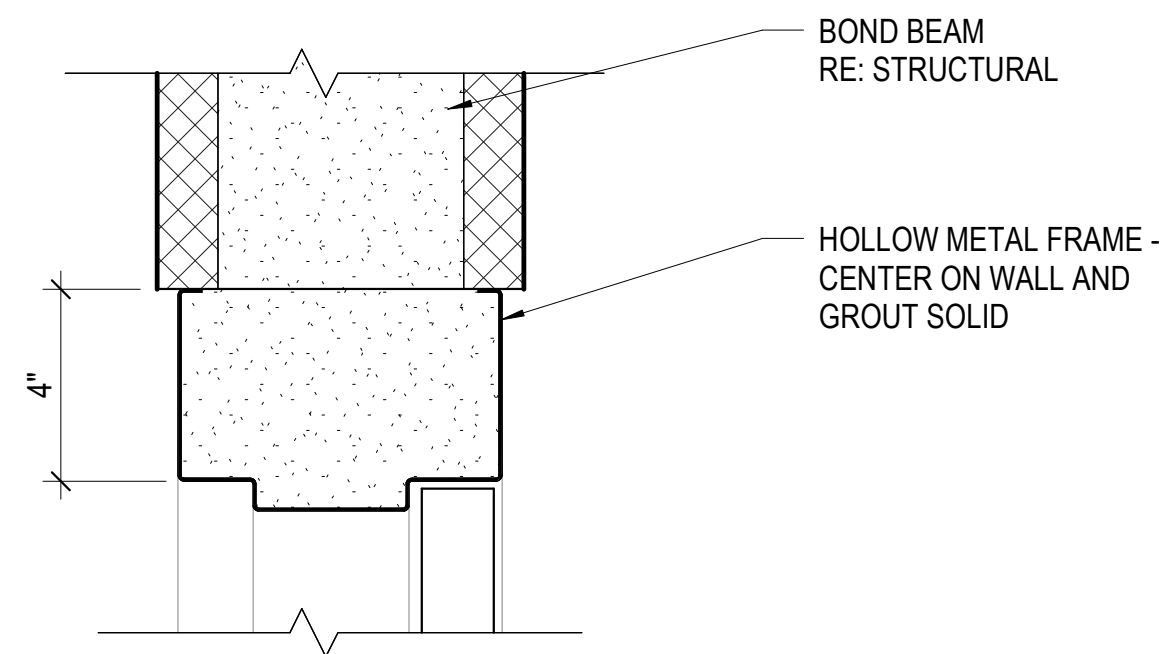
Abbreviations: Door and Frame Schedule Remarks abbreviations:
ADA ADA Actuator
CR Card Reader
DE Delayed Egress
EL Electric Latch
ES Electric Strike
MO Motor Operation
MHO Magnetic Hold Open

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



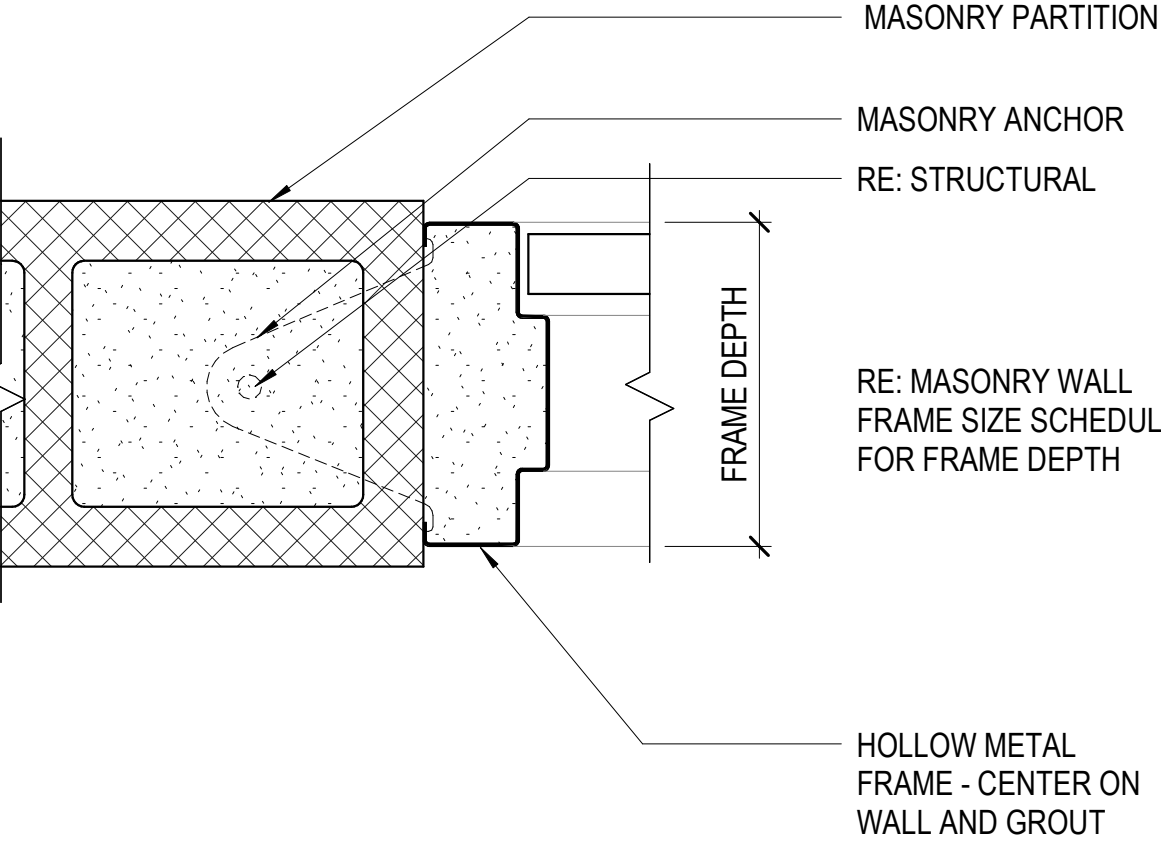
SILL DETAIL

SCALE: 3" = 1'-0"



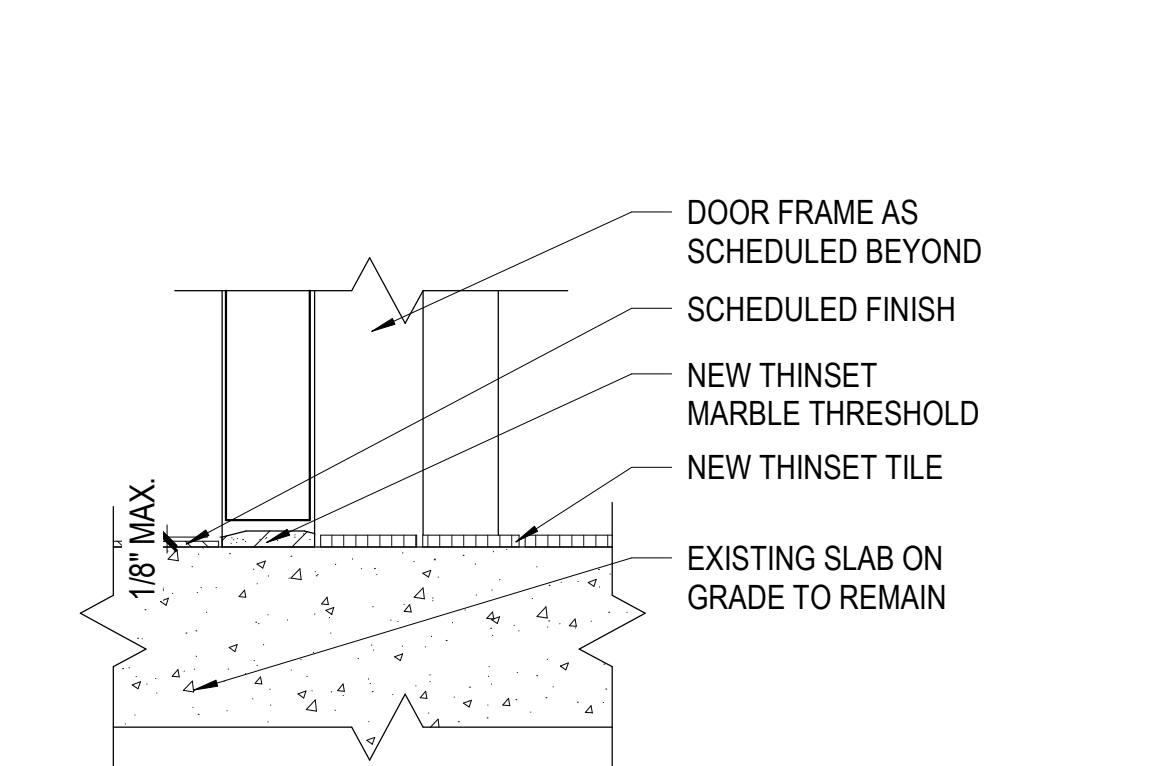
HEAD DETAIL

SCALE: 3" = 1'-0"



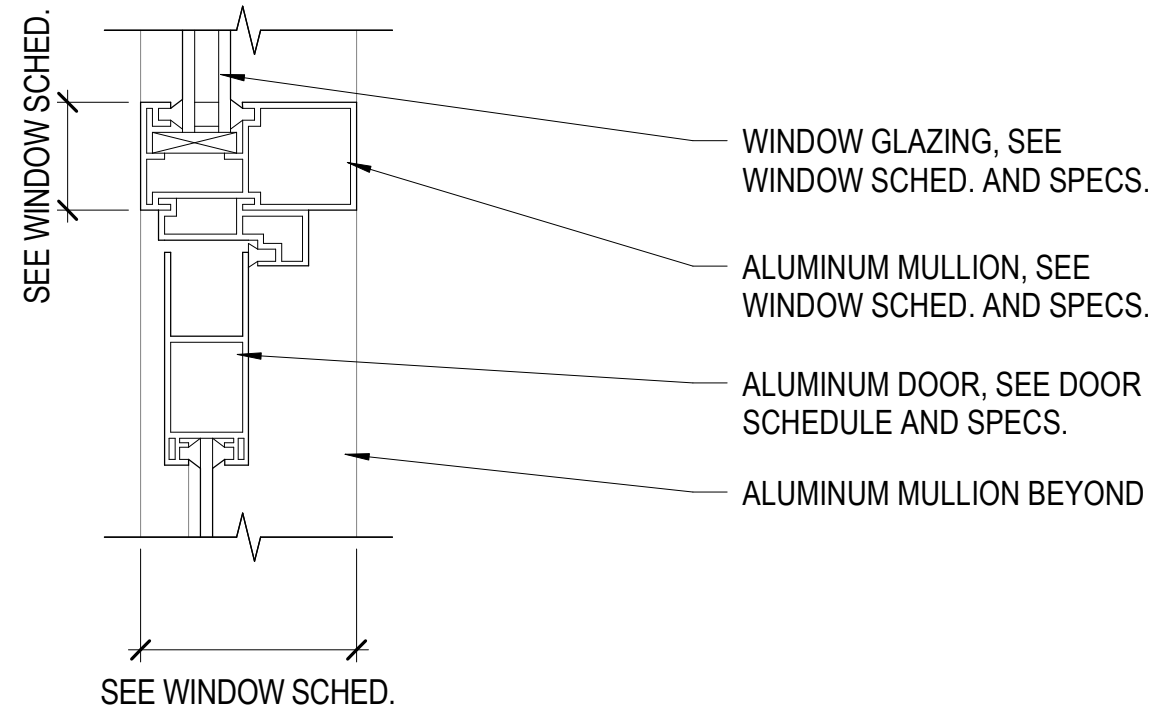
JAMB DETAIL

SCALE: 3" = 1'-0"



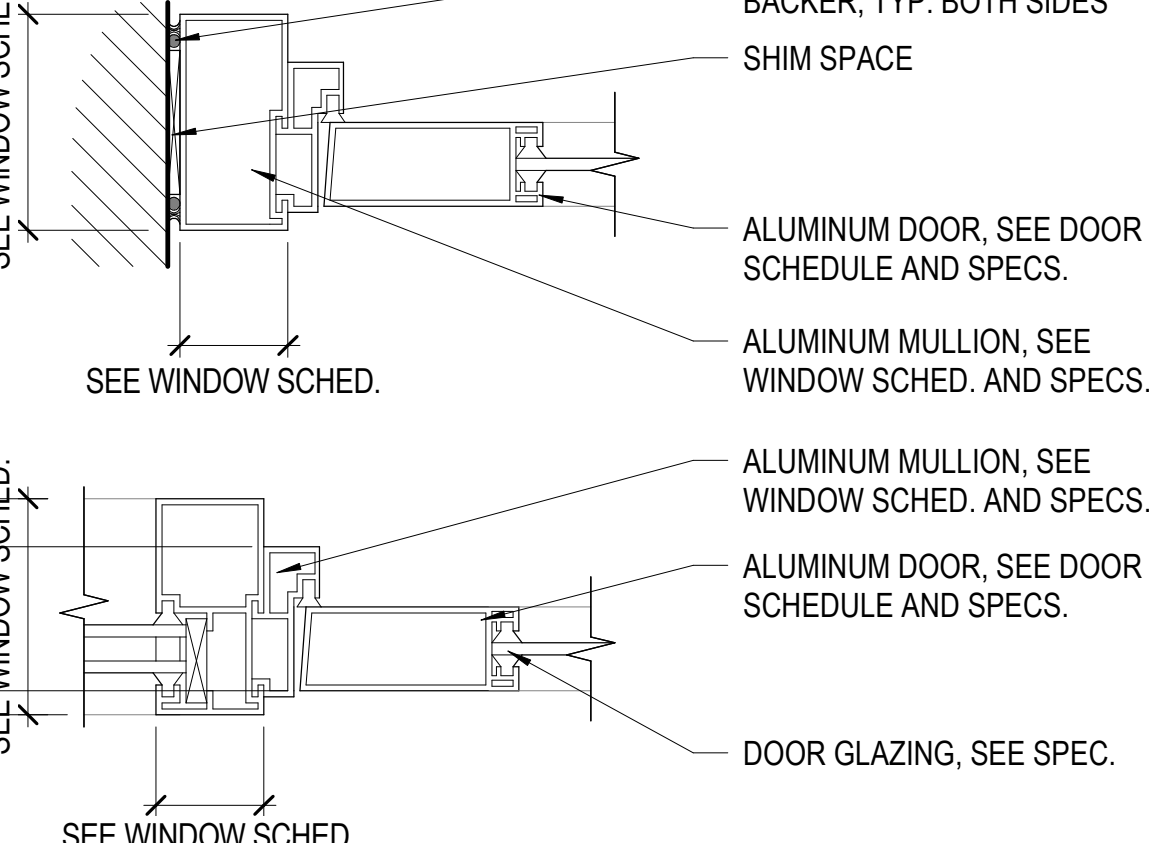
SILL DETAIL

SCALE: 3" = 1'-0"



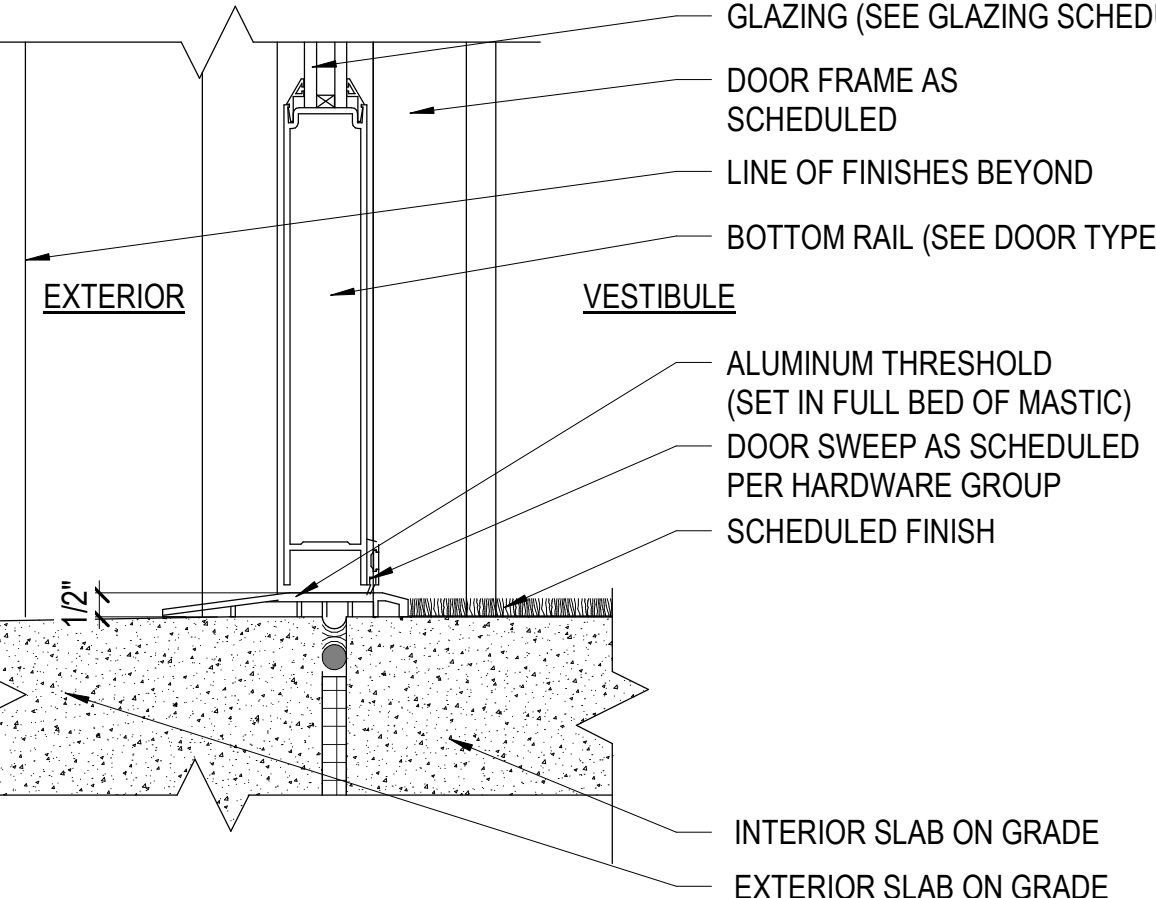
(TYP.) STOREFRONT HEAD DETAIL

SCALE: 3" = 1'-0"



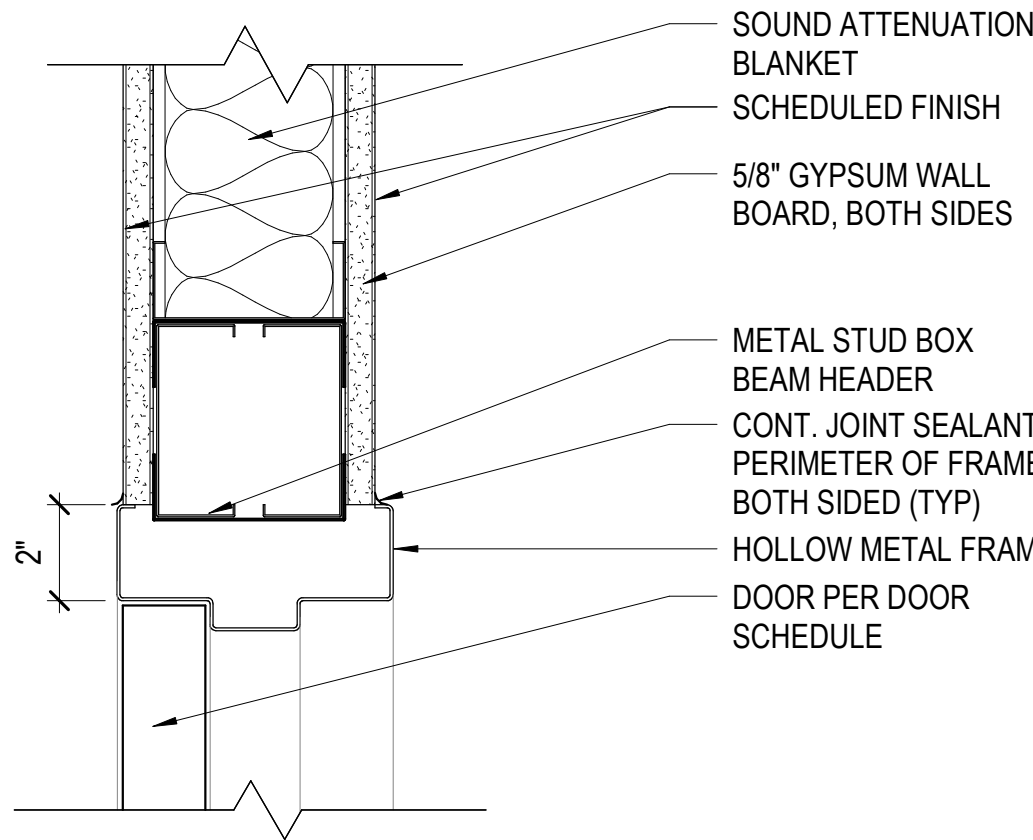
(TYP.) STOREFRONT JAMB DETAIL

SCALE: 3" = 1'-0"



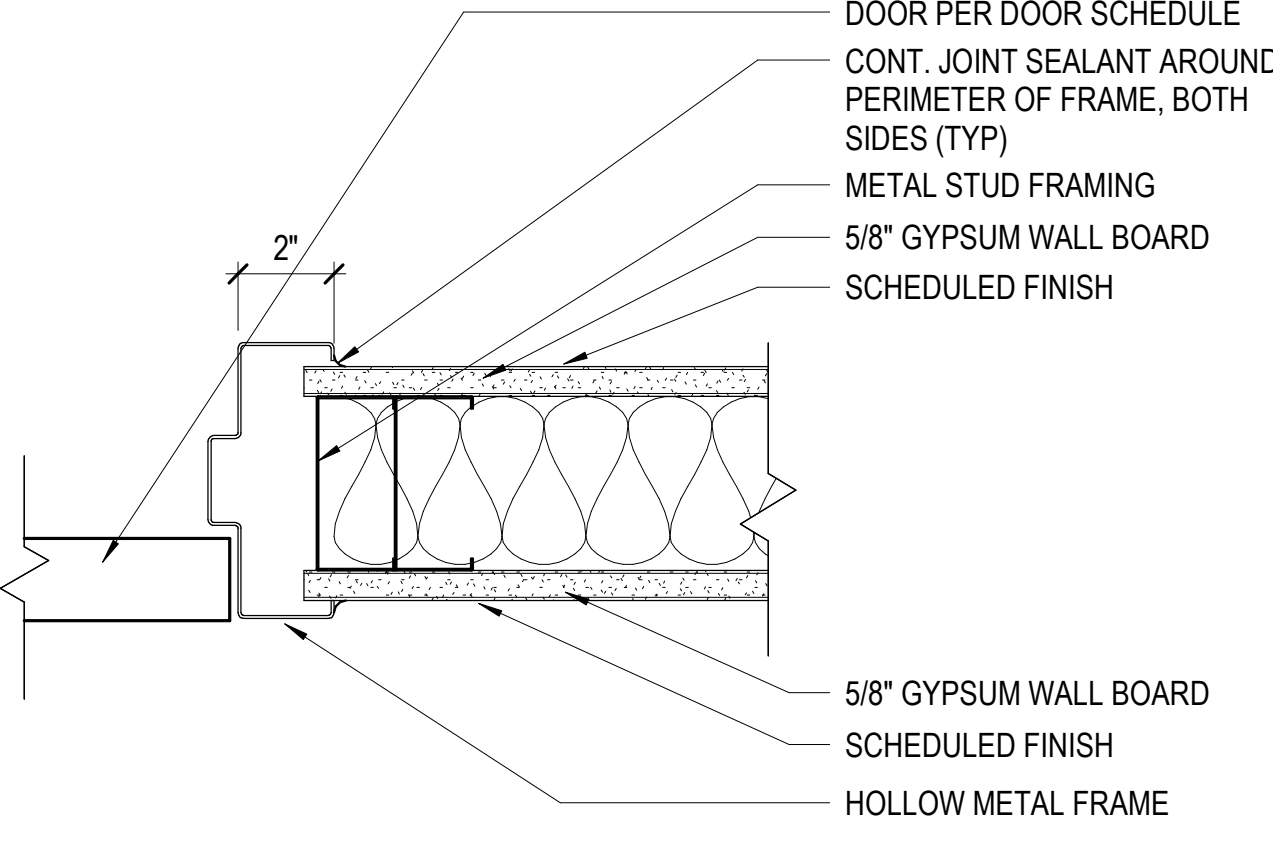
SILL DETAIL

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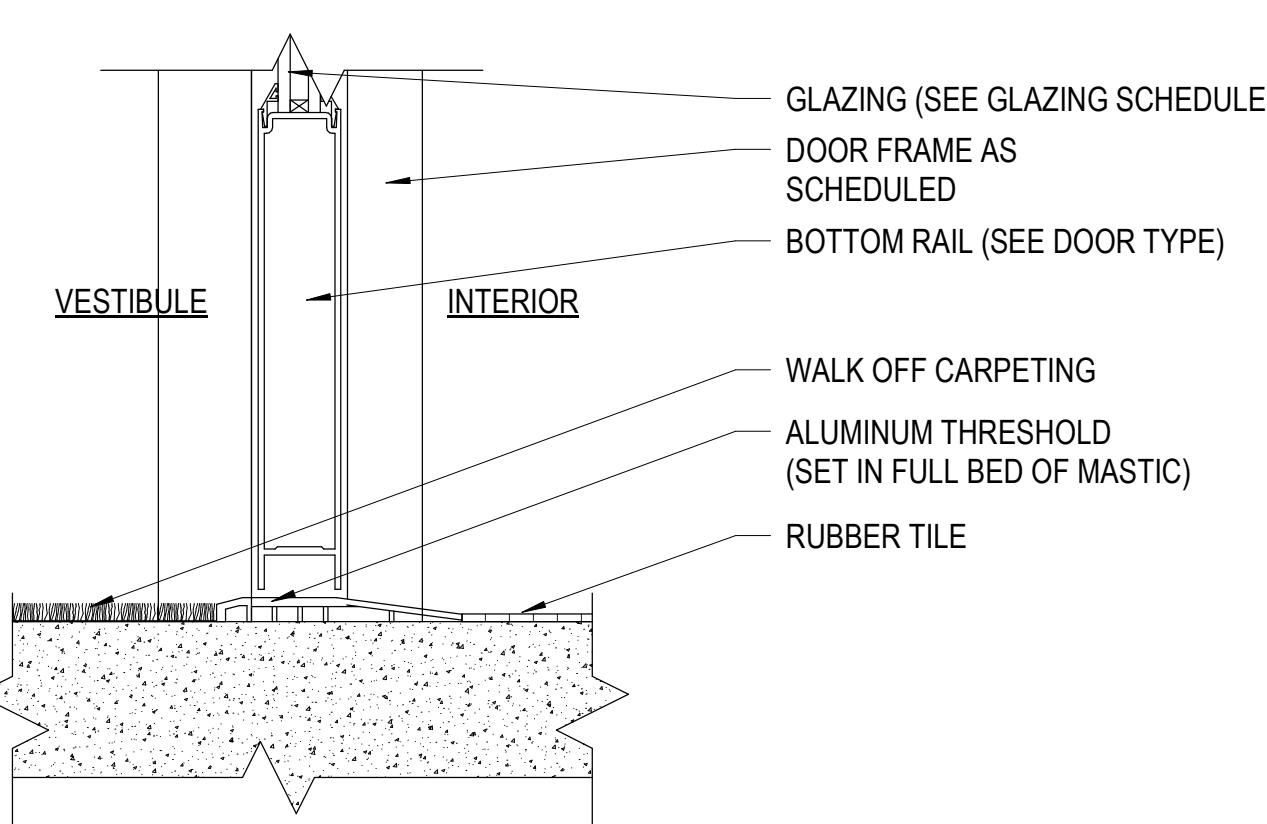
HEAD DETAIL

SCALE: 3" = 1'-0"



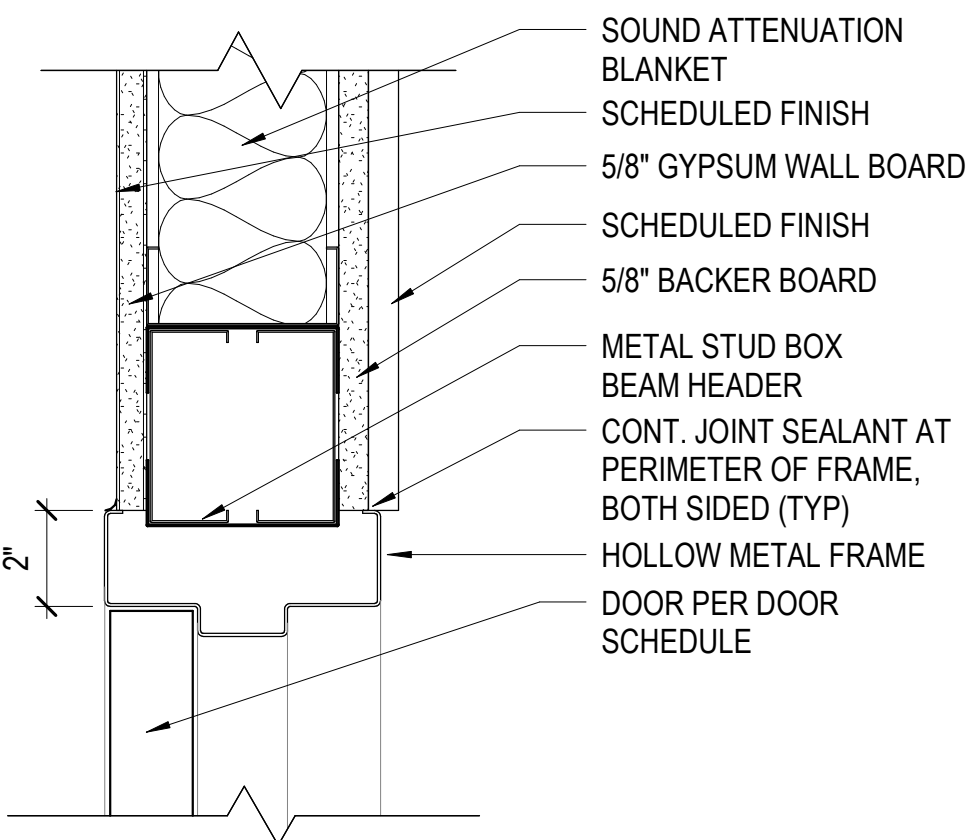
JAMB DETAIL

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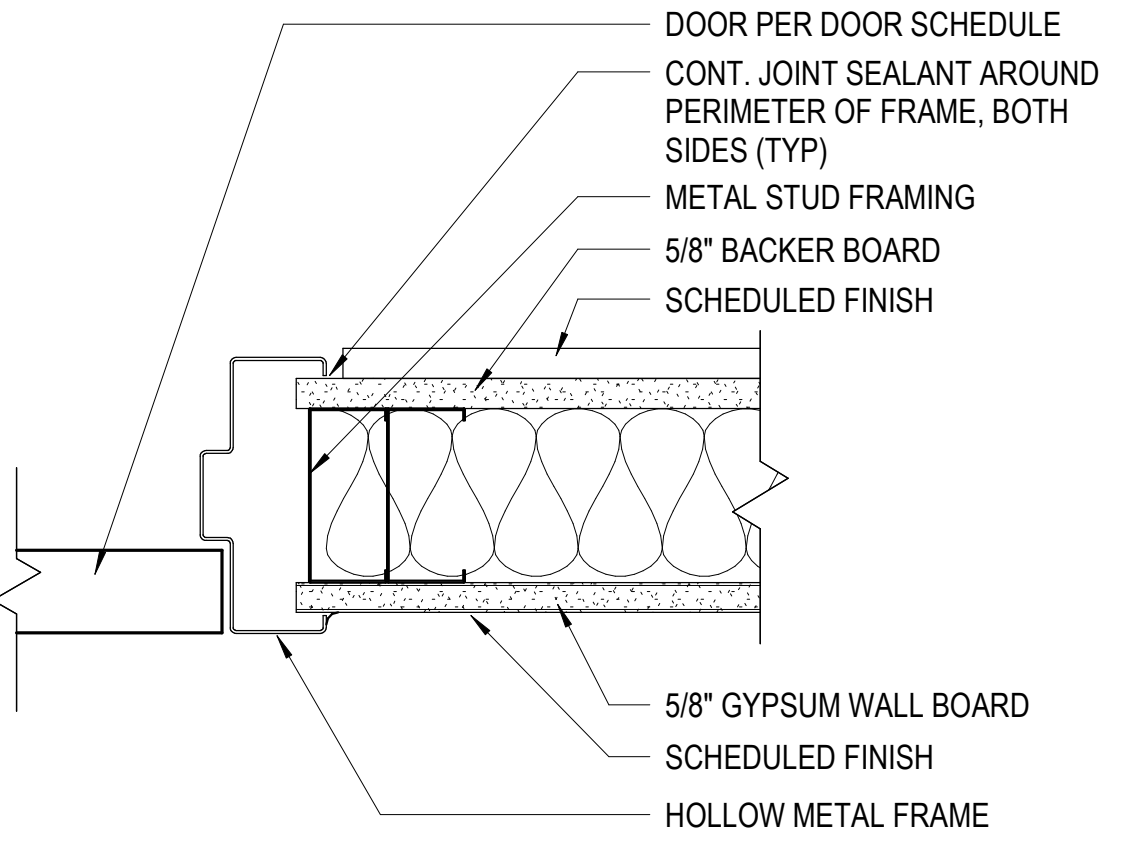
DETAIL

SCALE: 3" = 1'-0"



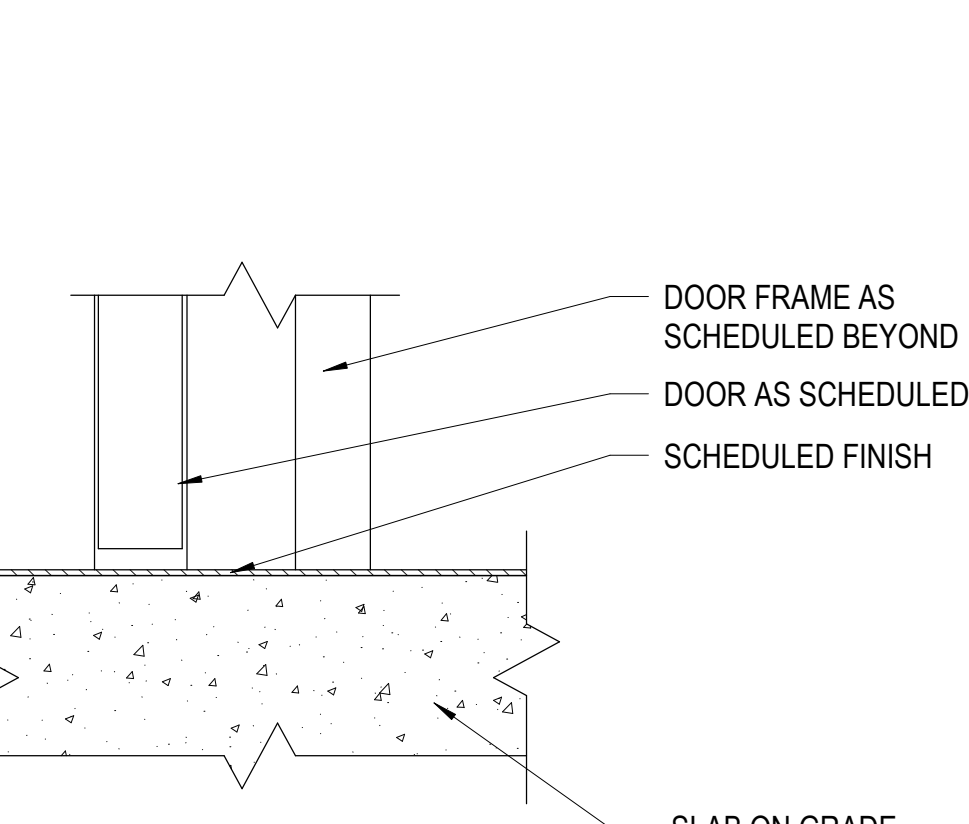
HEAD DETAIL

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JAMB DETAIL

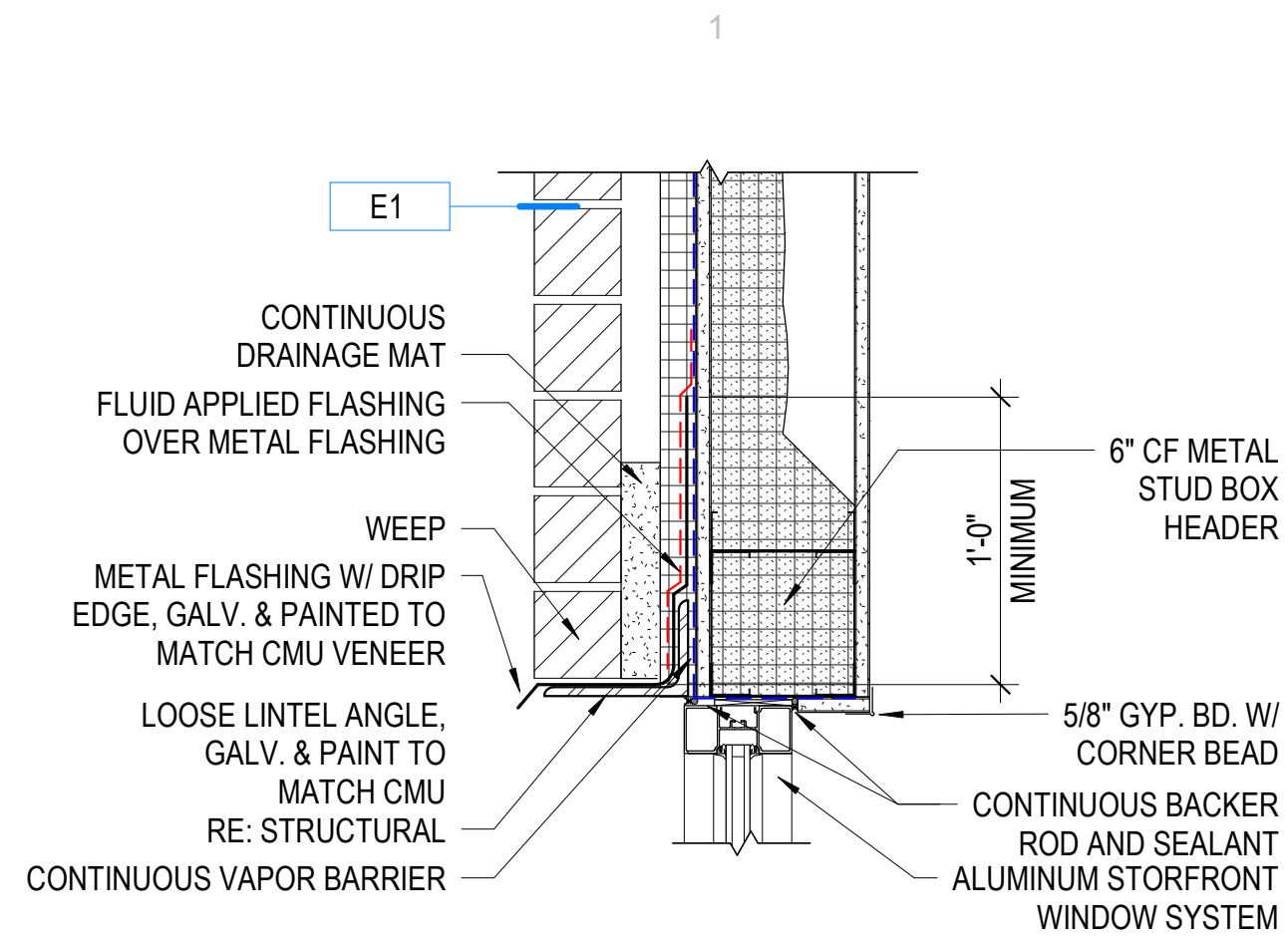
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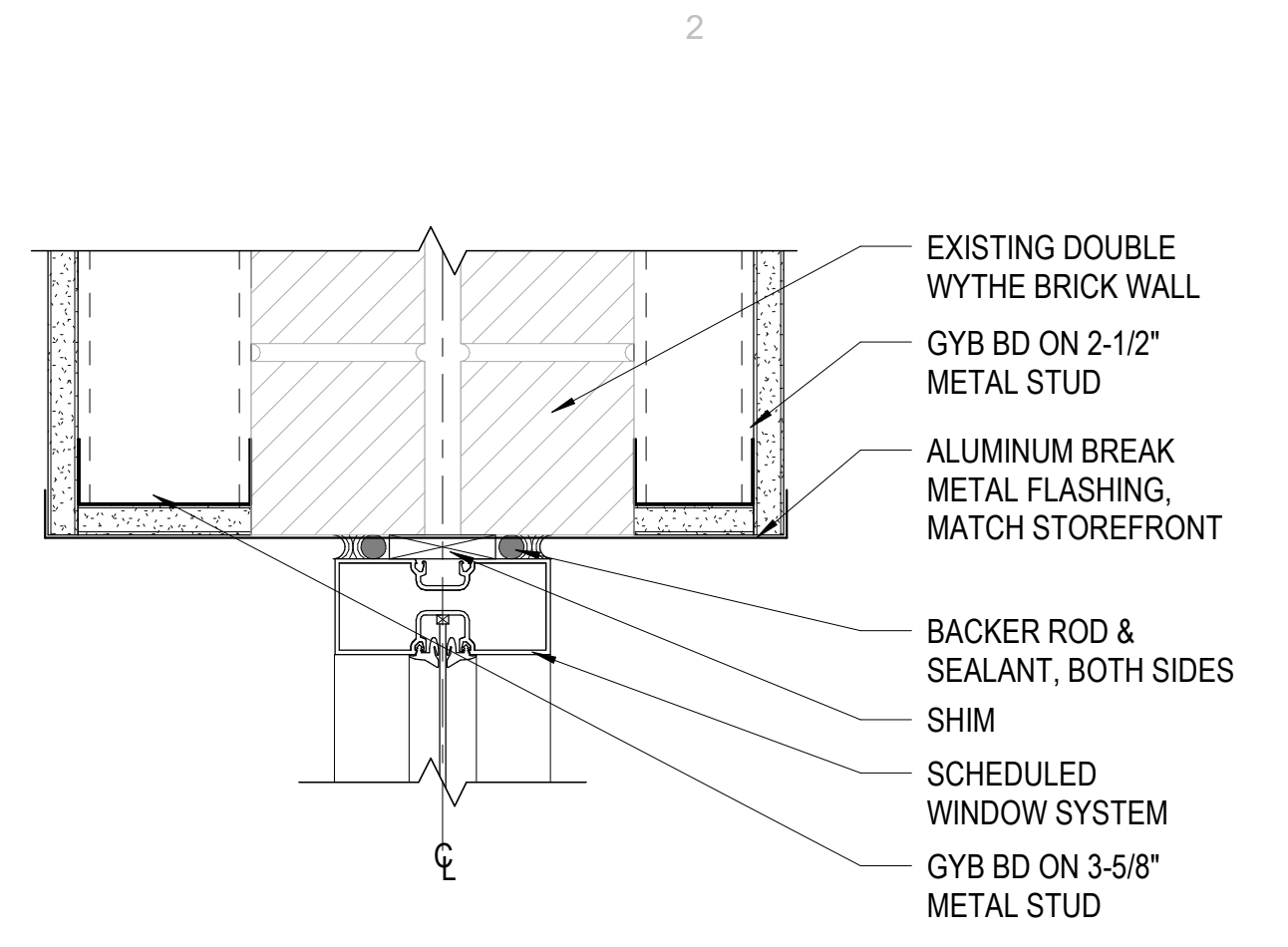
SILL DETAIL

SCALE: 3" = 1'-0"

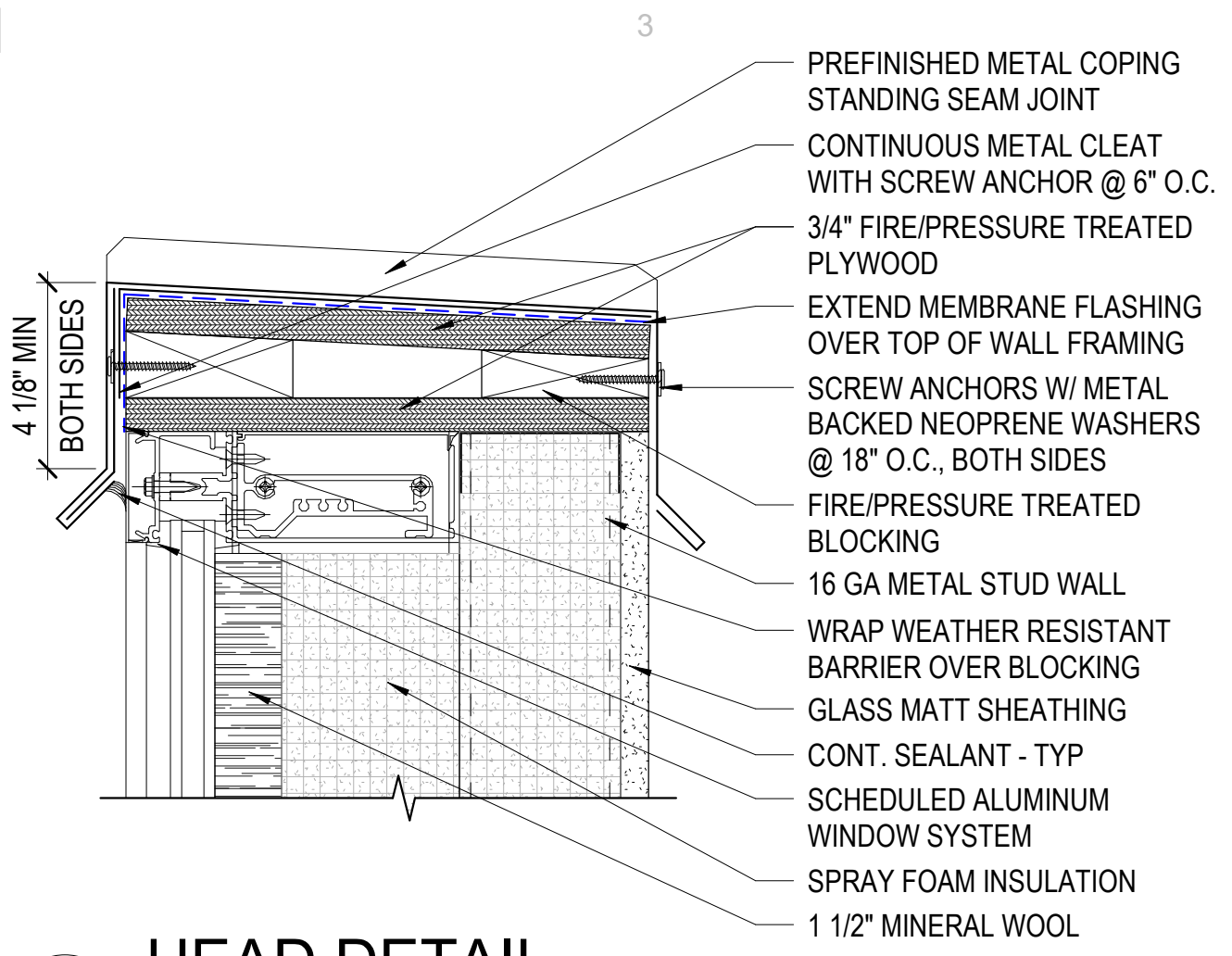
Autodesk Docs (2/23/2024) - SUSD School Projects (Blanding) ES - MHS - ARL MS - NCES - SJM/J24 - 2023554 SUSD ARL MS Secure Vestibule v1
2/6/2026 8:58:27 PM



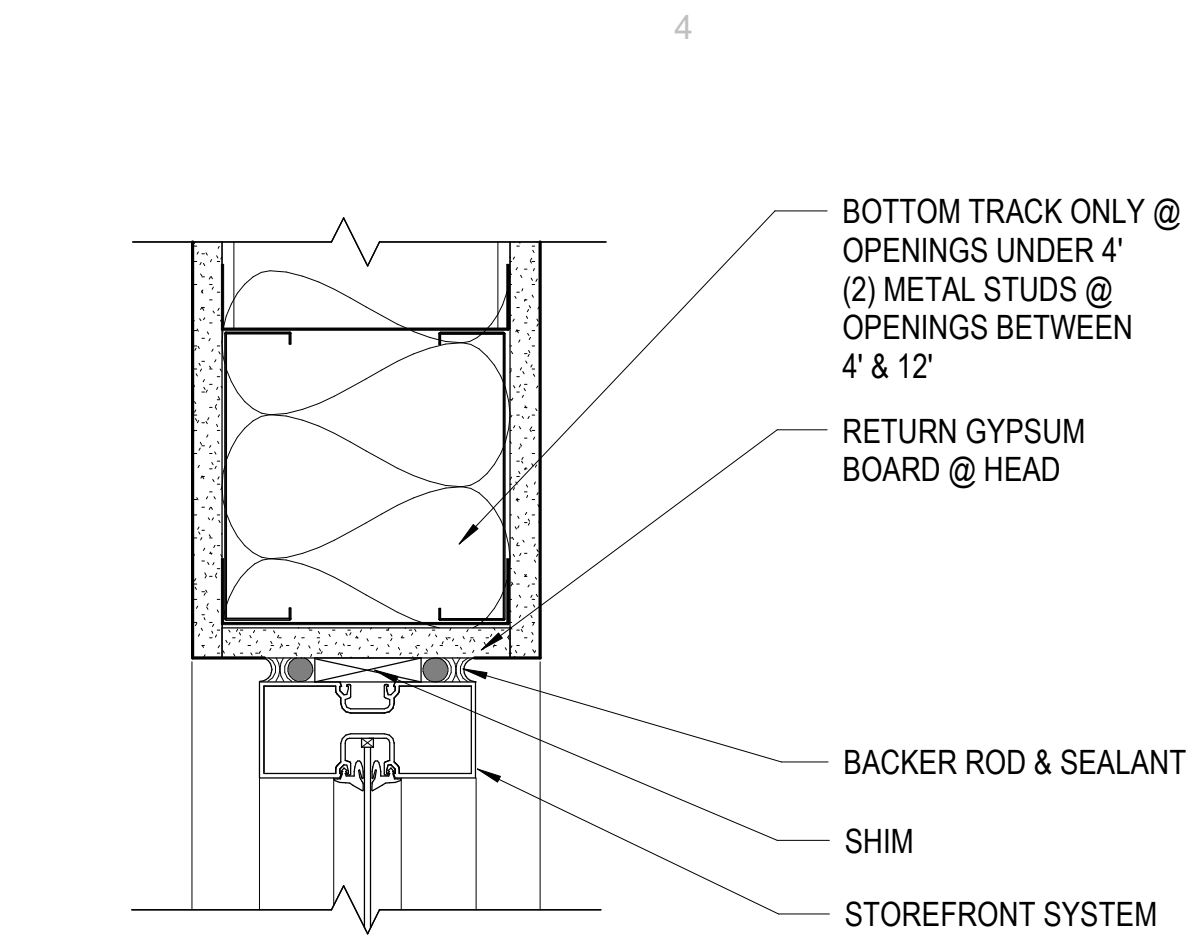
A1 HEAD @ BRICK VENEER
SCALE: 1 1/2" = 1'-0"



A2 HEAD DETAIL
SCALE: 3" = 1'-0"



A3 HEAD DETAIL
SCALE: 3" = 1'-0"



A4 HEAD DETAIL
SCALE: 3" = 1'-0"

WINDOW TYPES GENERAL NOTES

Window Frames: Frames are aluminum storefront, UNO. Finish as specified.

Glass Type: Provide the following glass types, UNO:

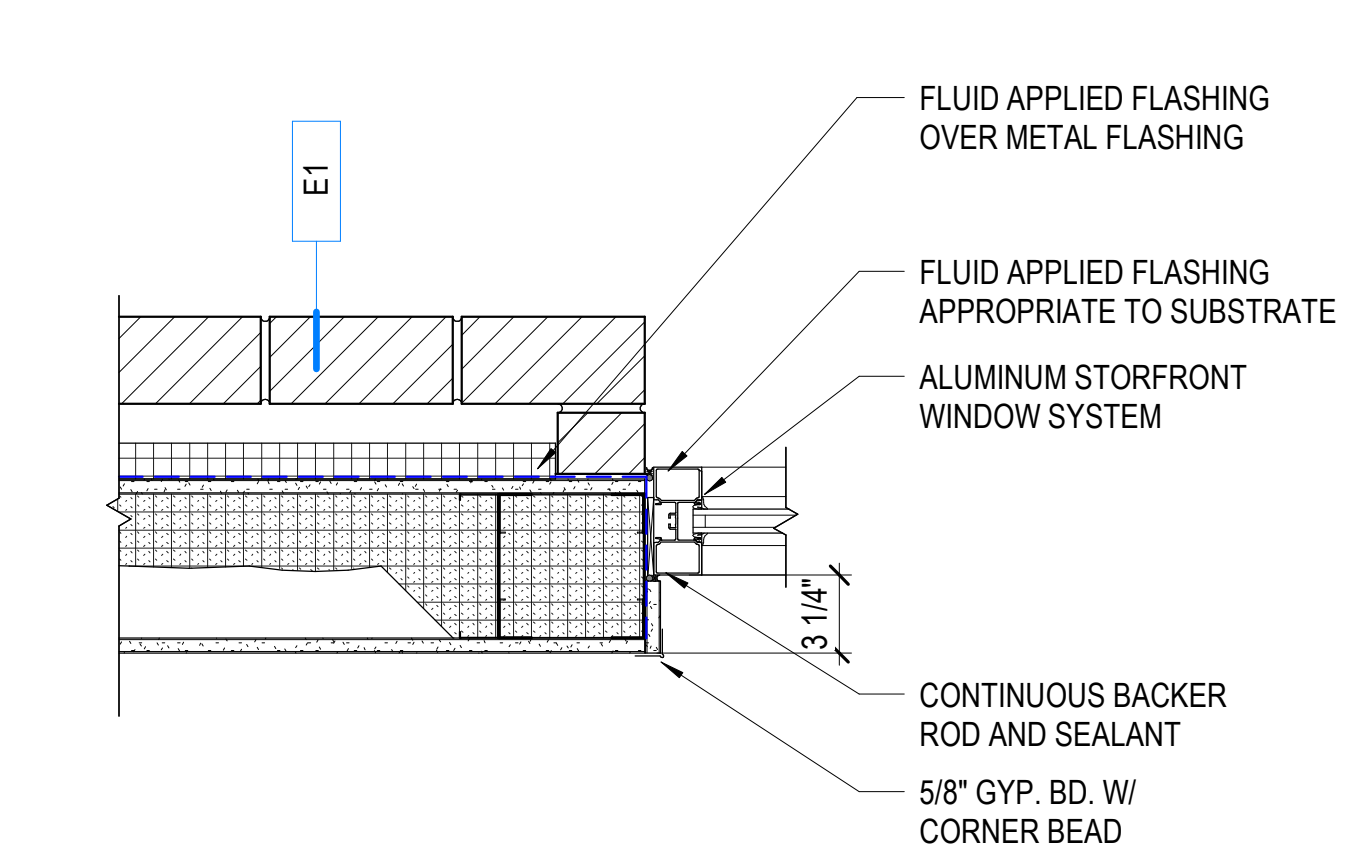
- Exterior Window/Storefront/Curtainwall Systems: H22 (1" Low-E Coated, Clear Heat-Strengthened Insulated Glass)
- Interior Door Lites: T11 (6mm Clear Tempered Float Glass)

End Dams: Provide end dams at sill flashing.

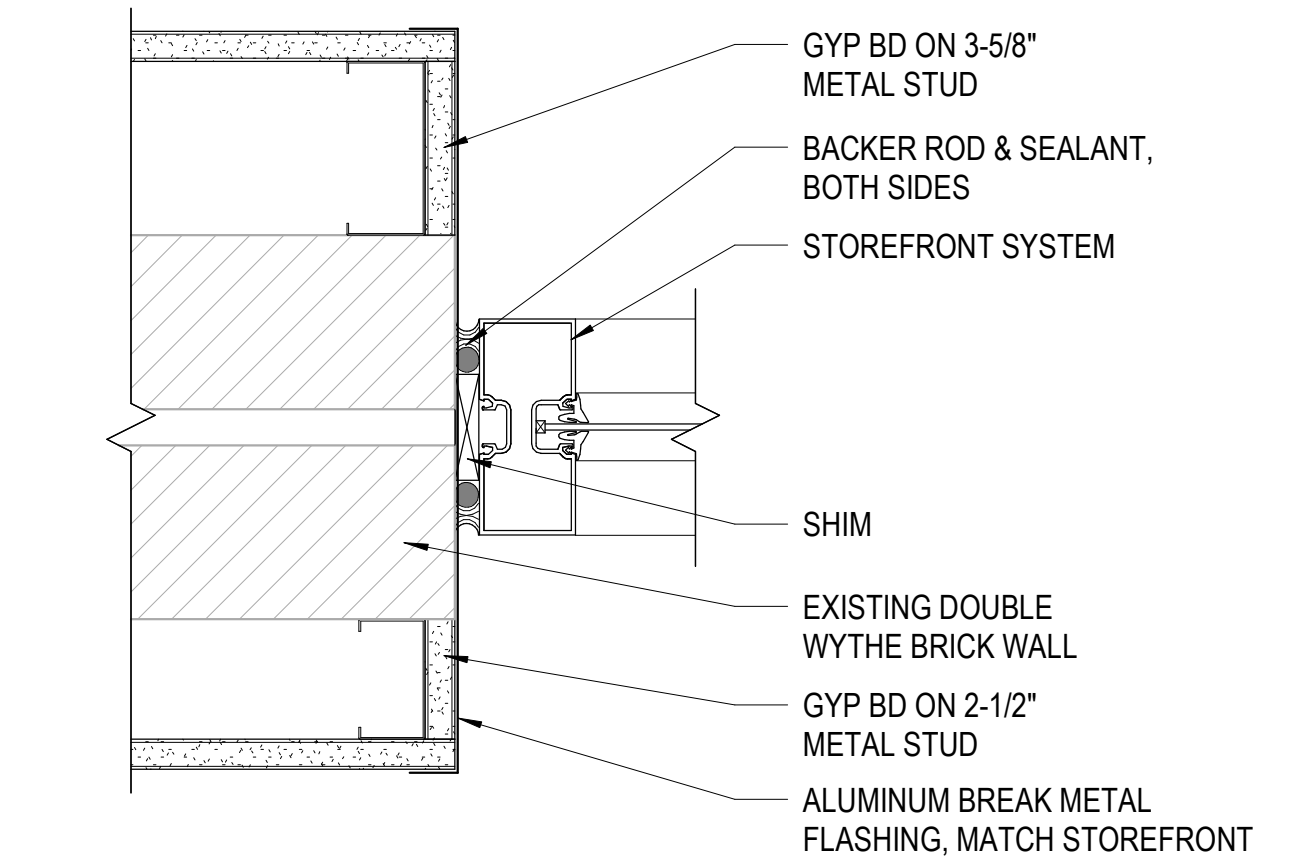
Coordination: Coordinate all trades to provide complete systems, including, but not limited to framing, glazing, sealants, flashing, brake metal and backing.

GLAZING SCHEDULE	
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

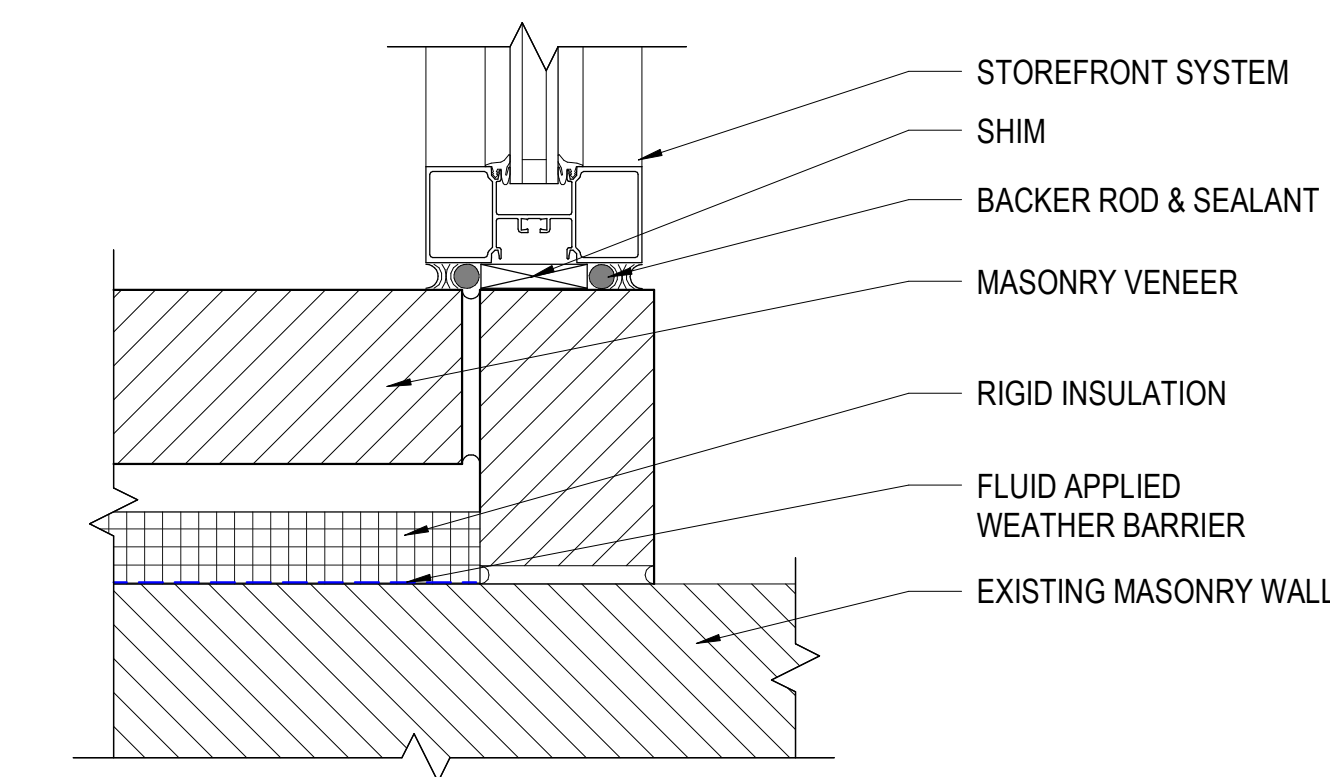
ALT-01
LAMINATED SECURITY FILM GLAZING REFER TO SPECIFICATION



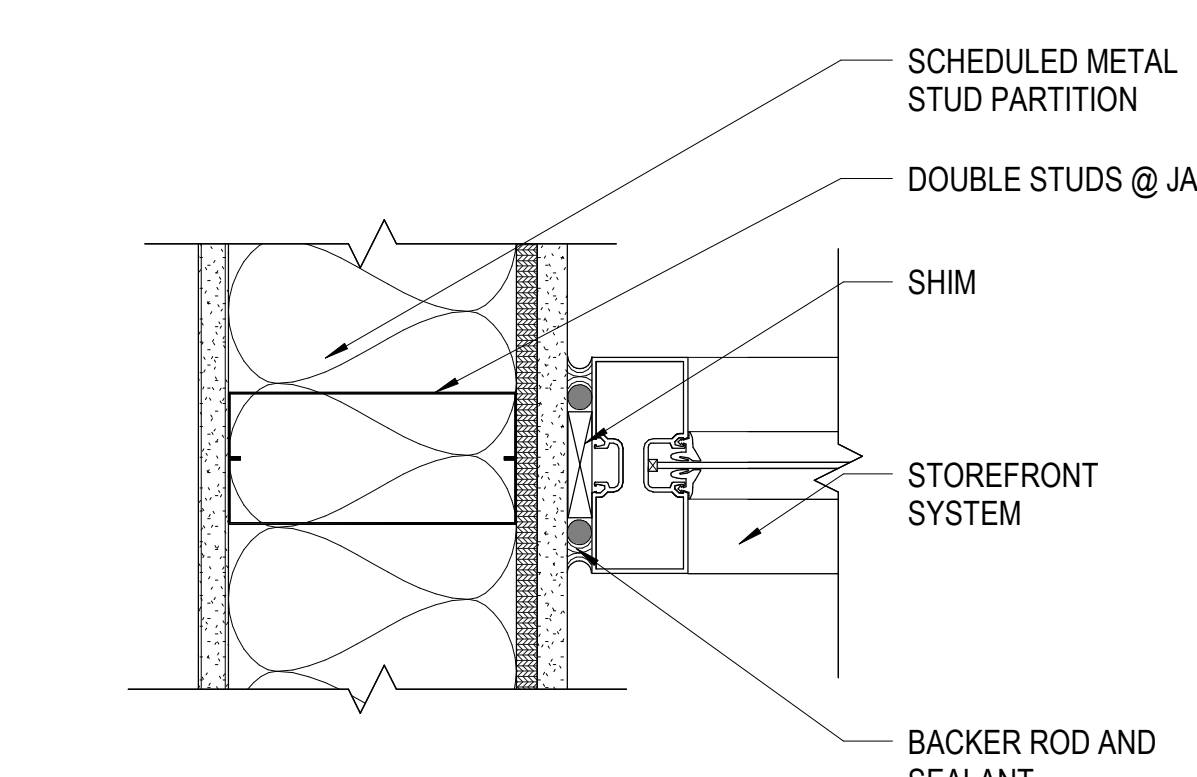
B1 JAMB @ BRICK VENEER
SCALE: 1 1/2" = 1'-0"



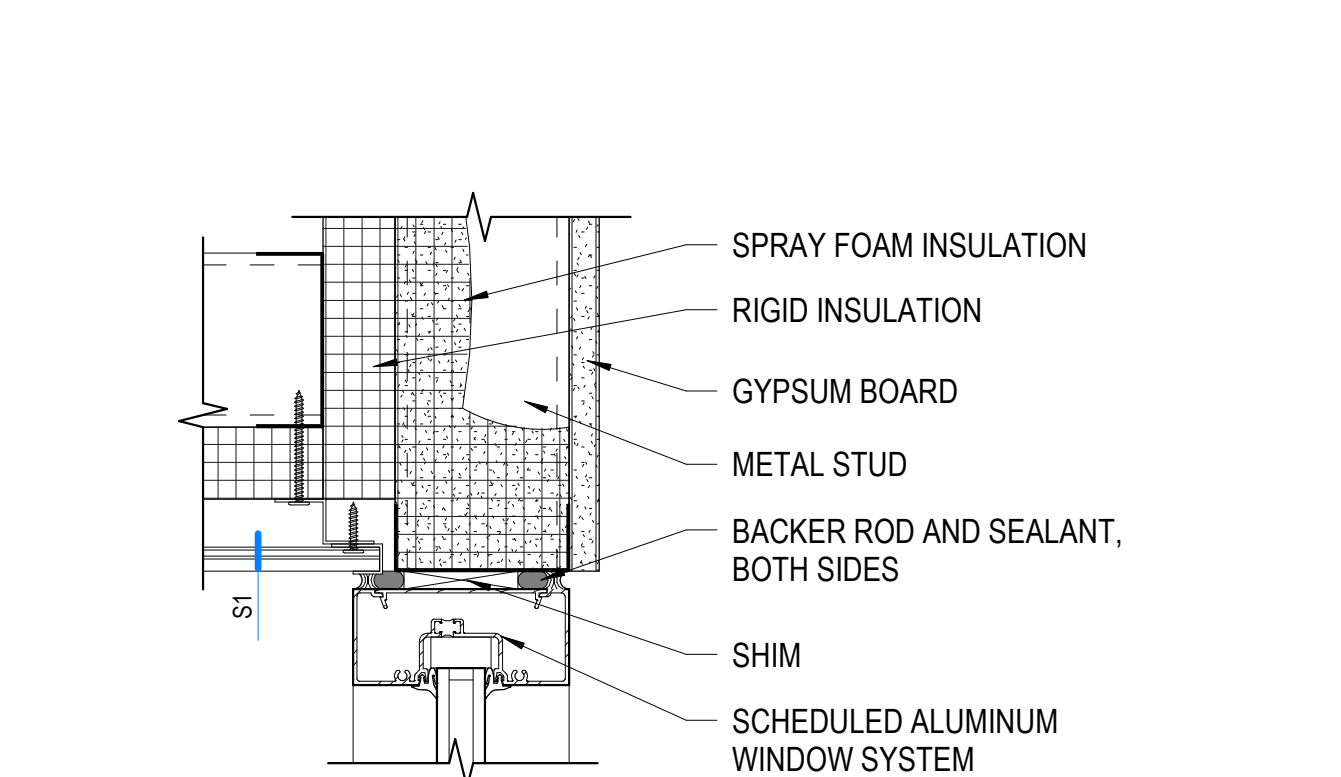
B2 JAMB DETAIL
SCALE: 3" = 1'-0"



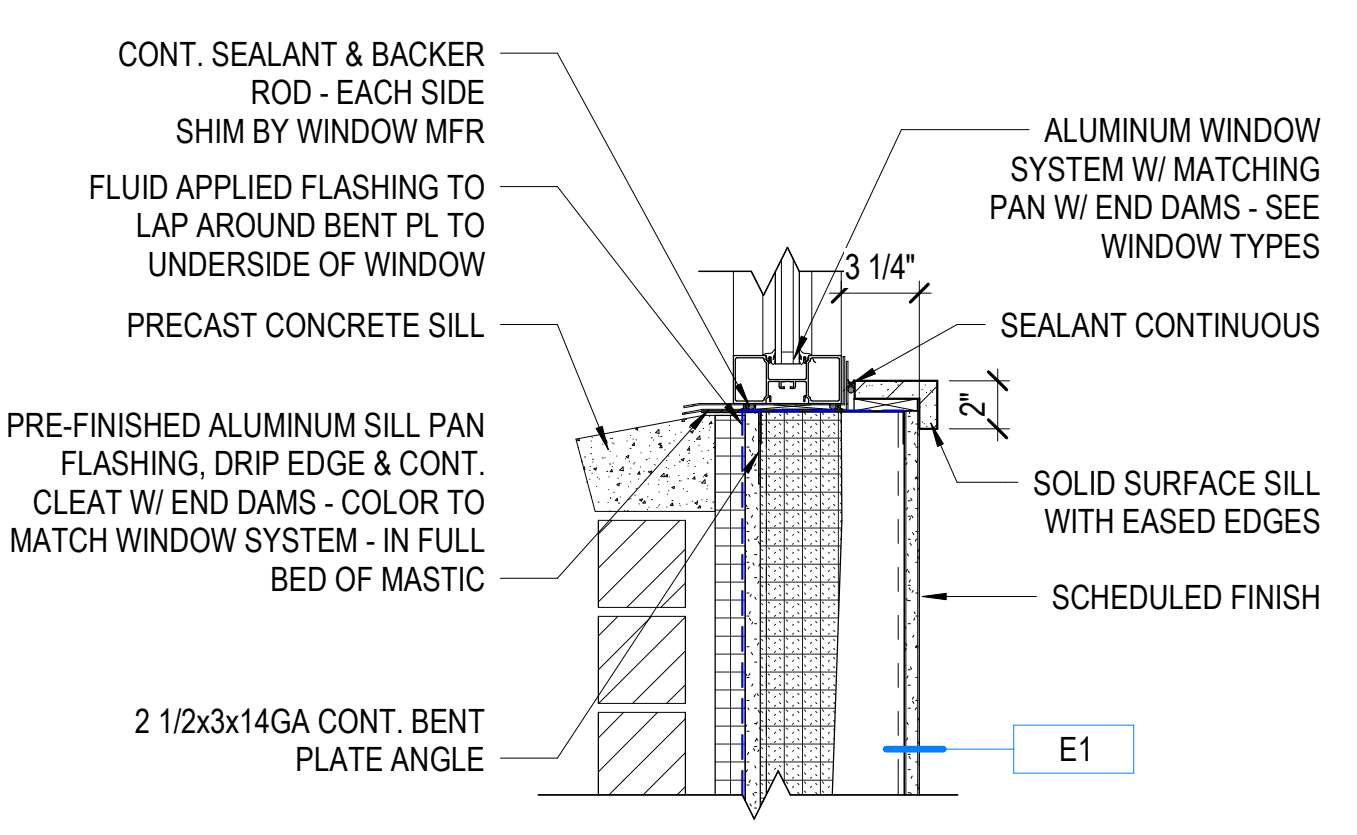
B3 JAMB DETAIL
SCALE: 3" = 1'-0"



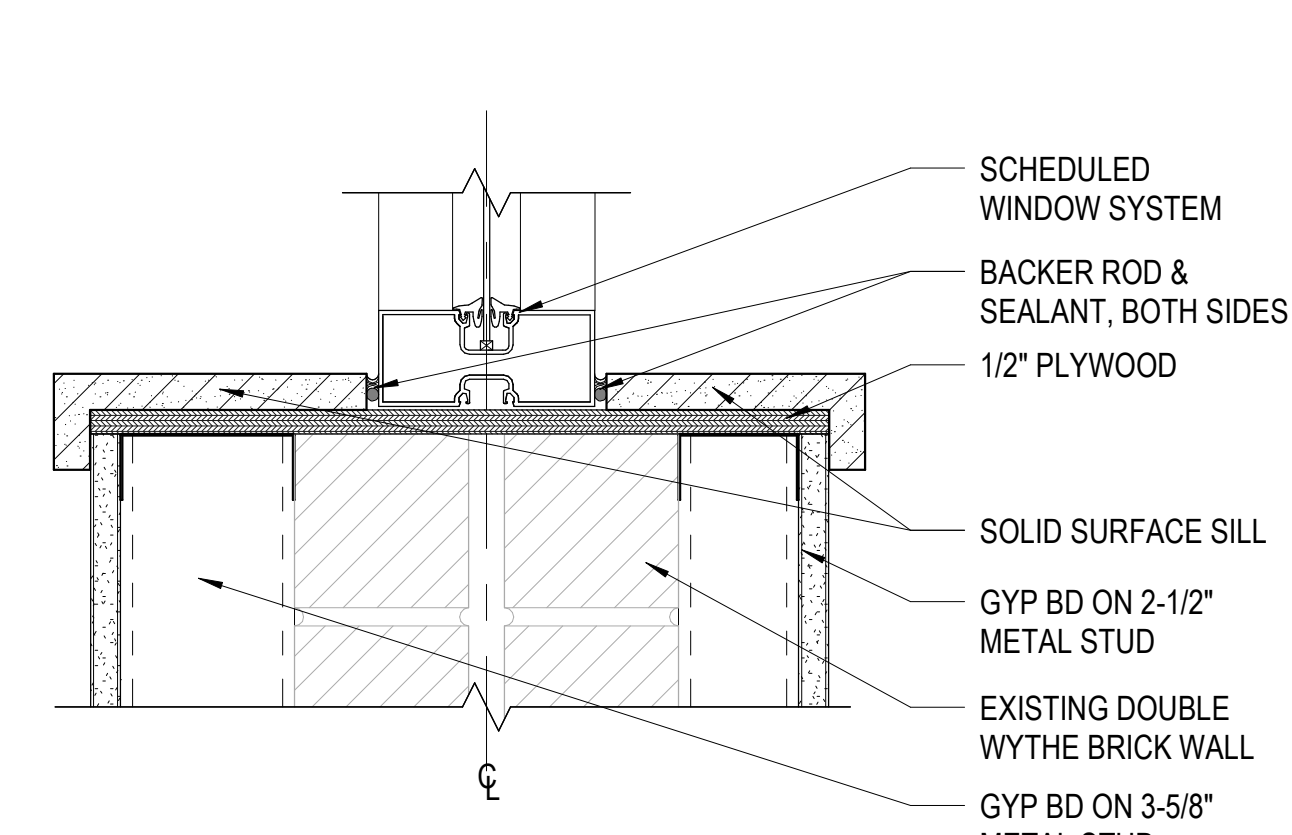
B4 JAMB DETAIL
SCALE: 3" = 1'-0"



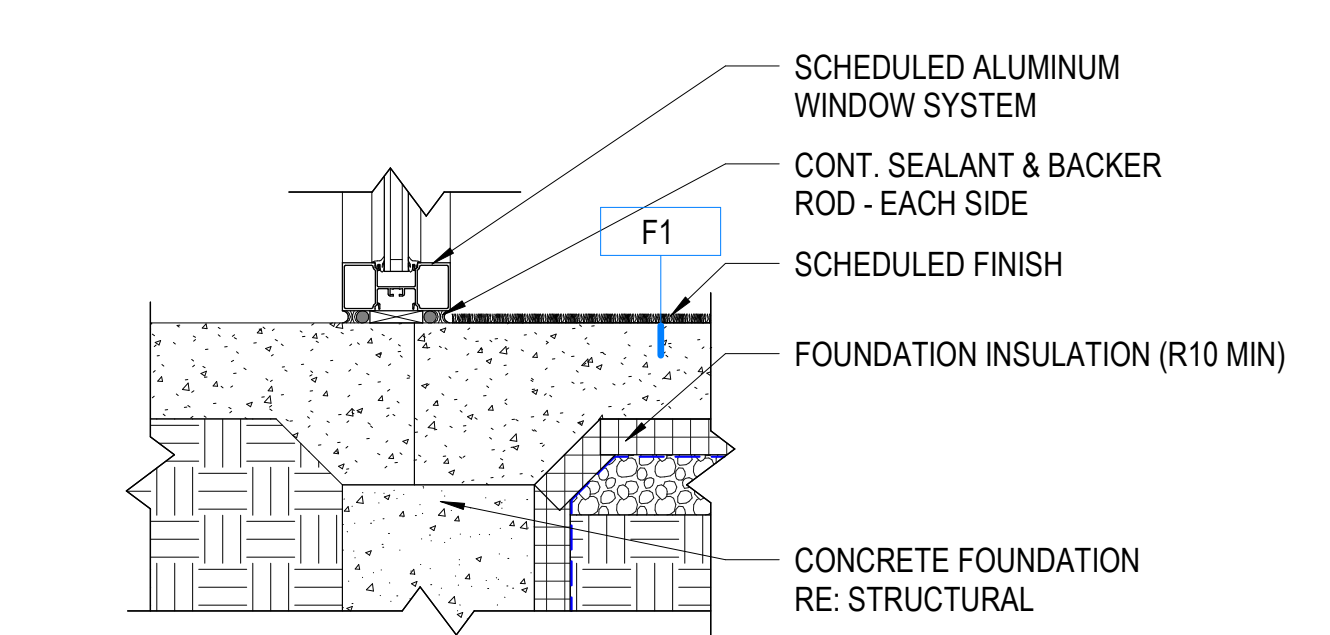
B5 HEAD DETAIL
SCALE: 3" = 1'-0"



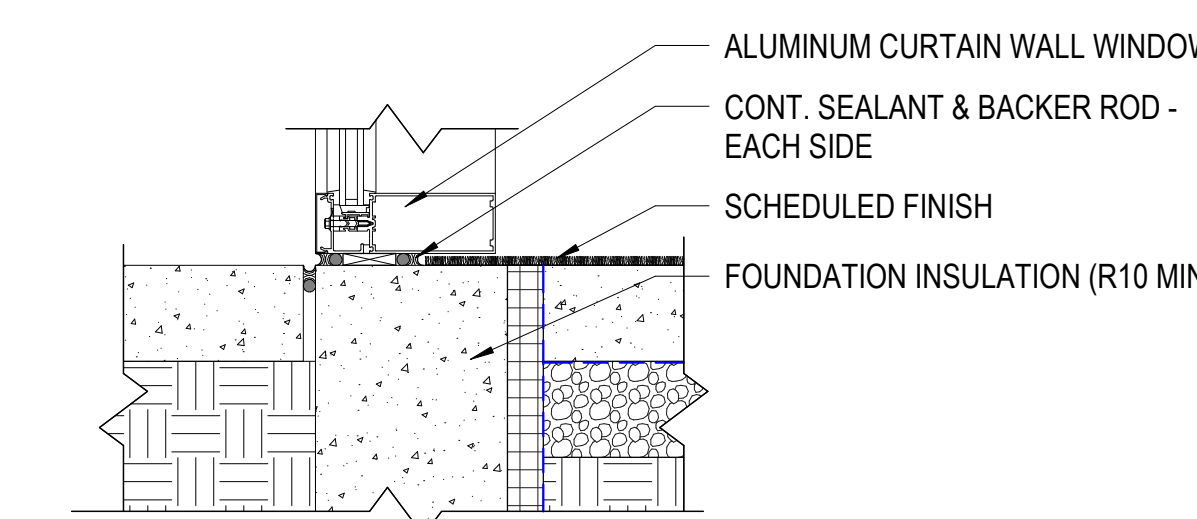
C1 SILL @ BRICK VENEER
SCALE: 1 1/2" = 1'-0"



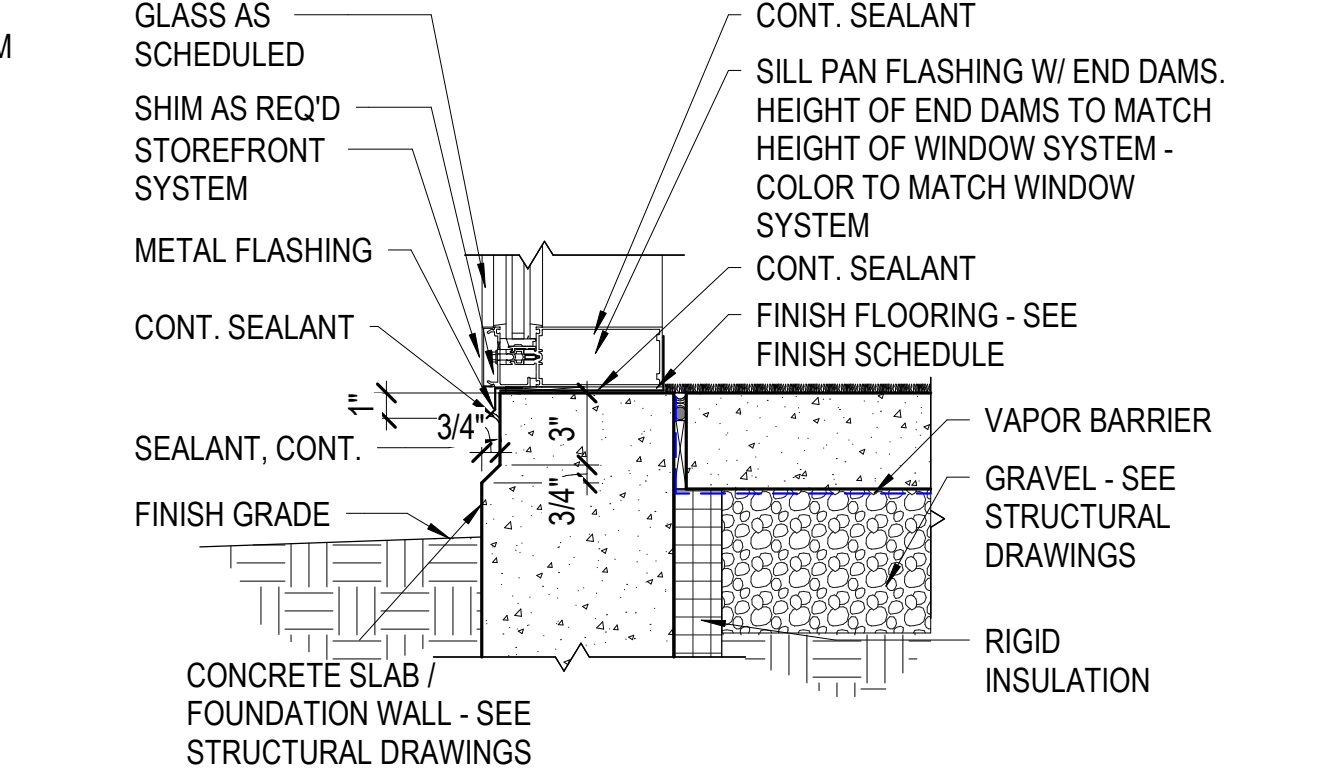
C2 SILL DETAIL
SCALE: 3" = 1'-0"



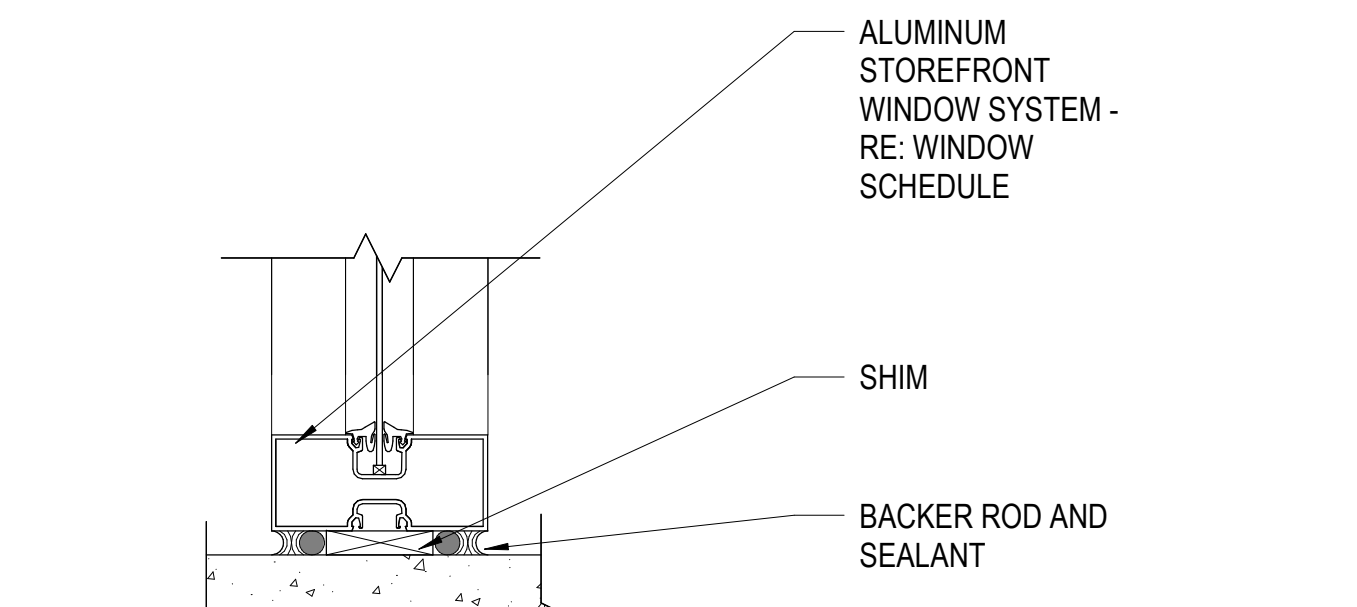
C3 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



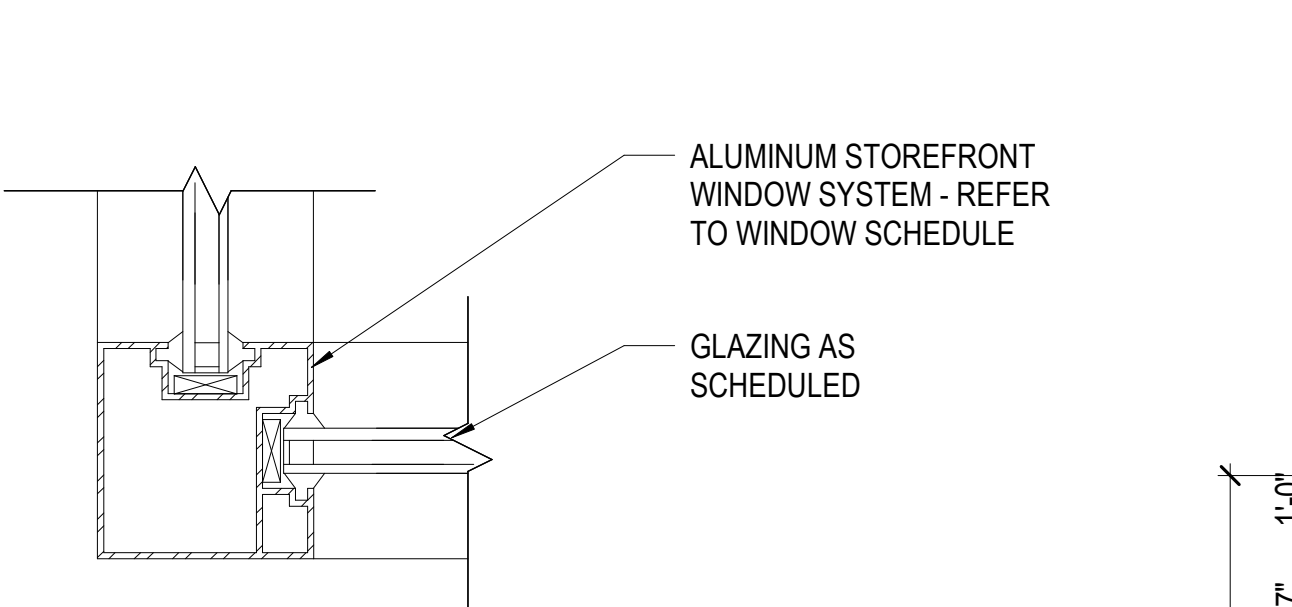
C4 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



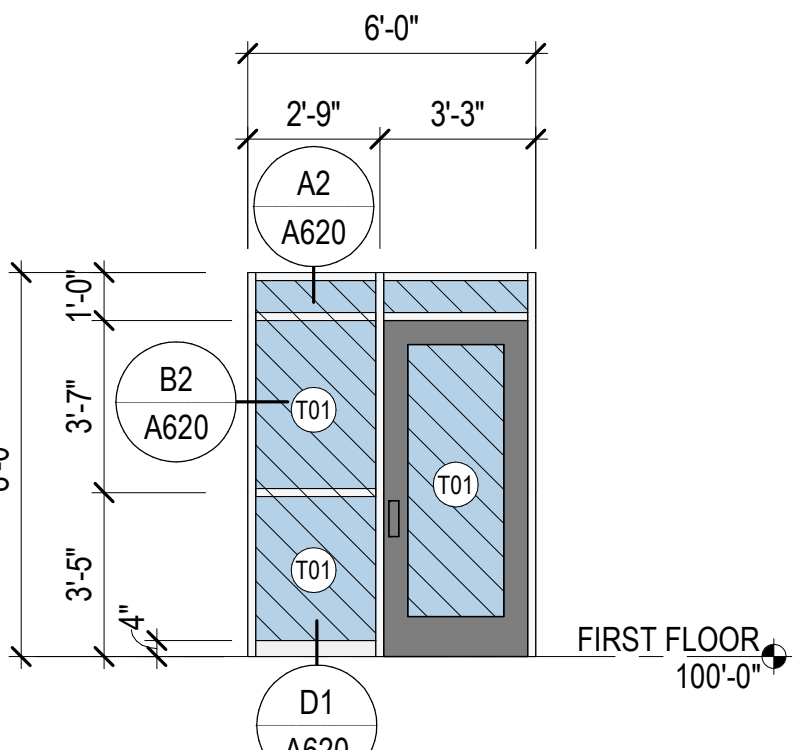
C5 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



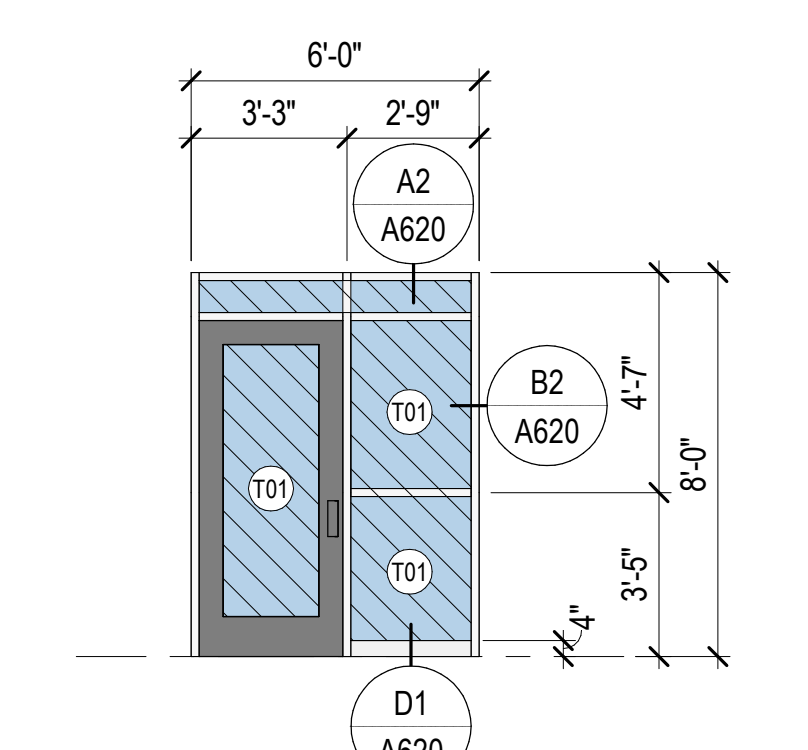
D1 SILL DETAIL
SCALE: 3" = 1'-0"



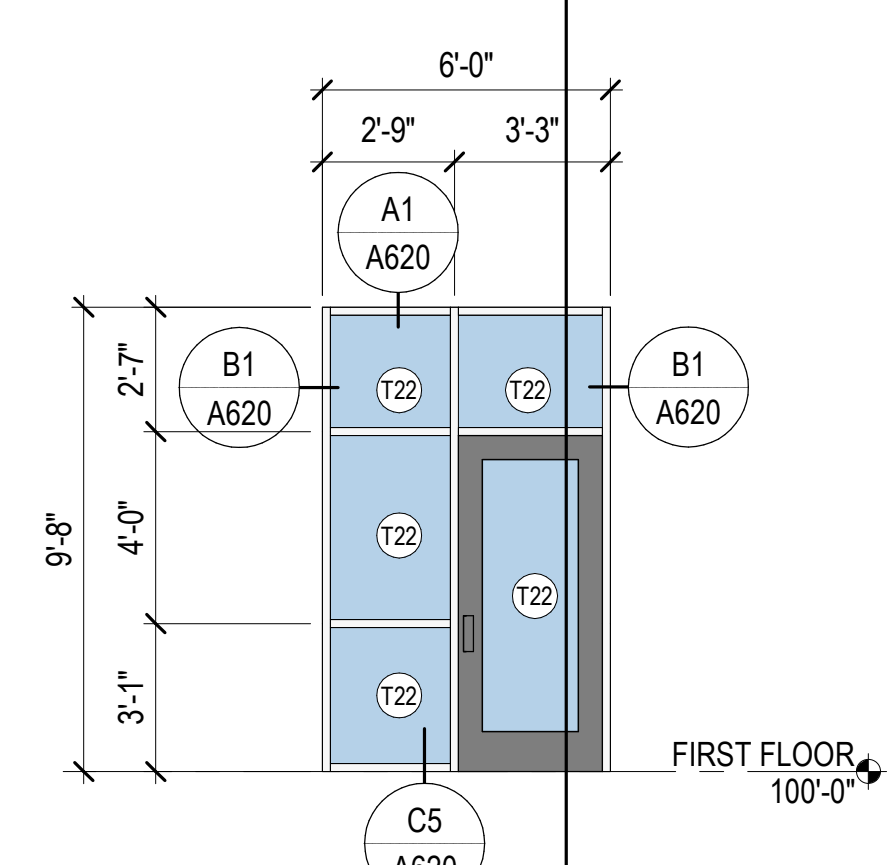
D2 CORNER DETAIL
SCALE: 3" = 1'-0"



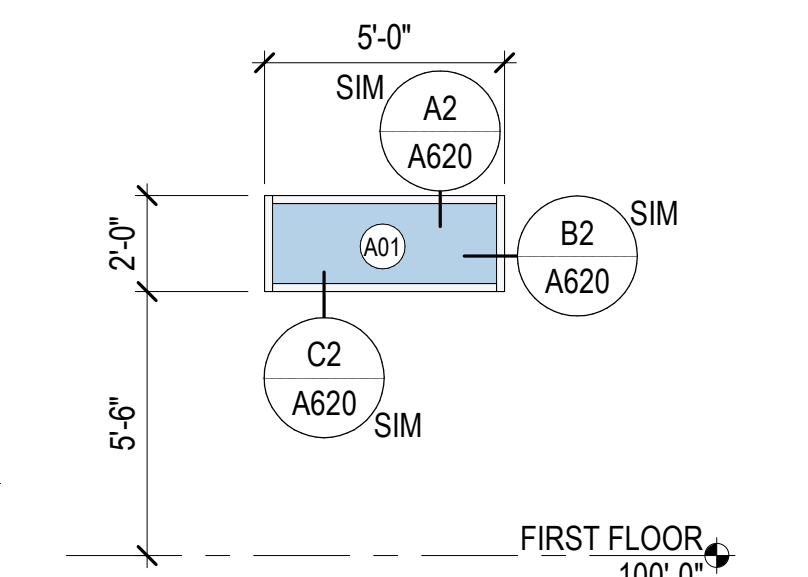
WINDOW TYPE 7
SCALE: 1/4" = 1'-0" STOREFRONT



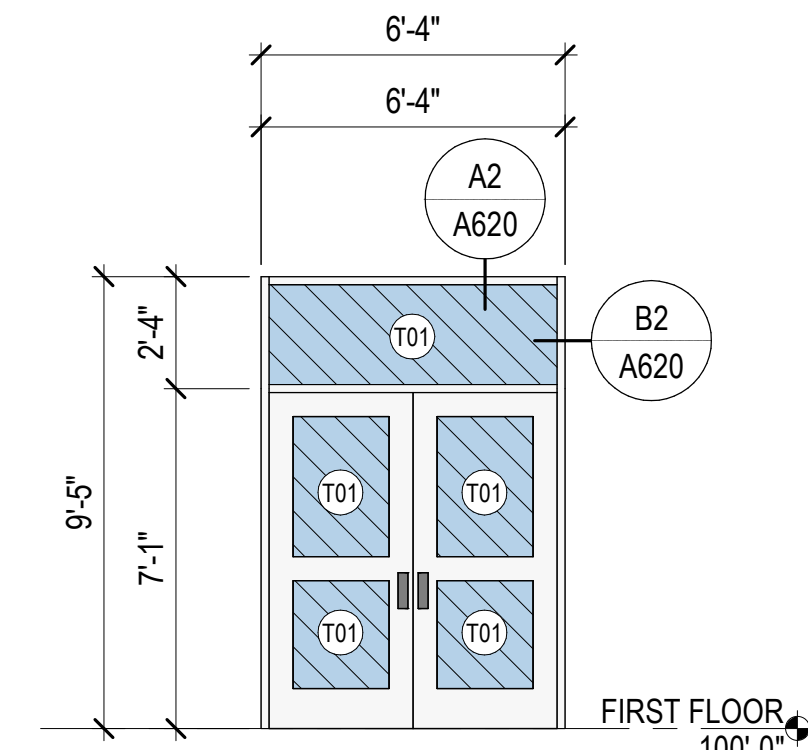
WINDOW TYPE 8
SCALE: 1/4" = 1'-0" STOREFRONT



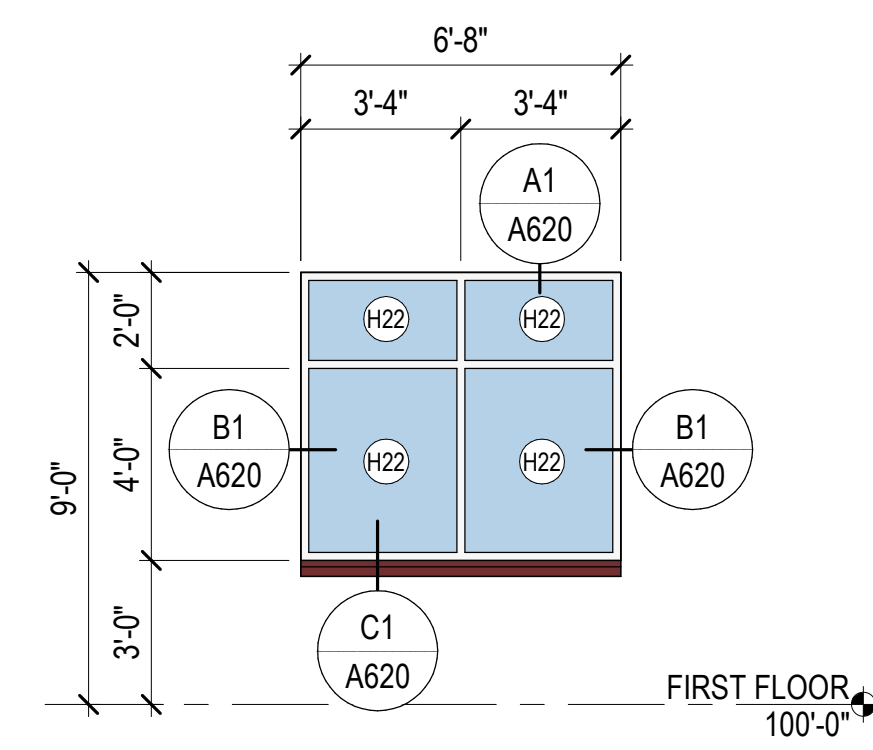
WINDOW TYPE 9
SCALE: 1/4" = 1'-0" CURTAIN WALL



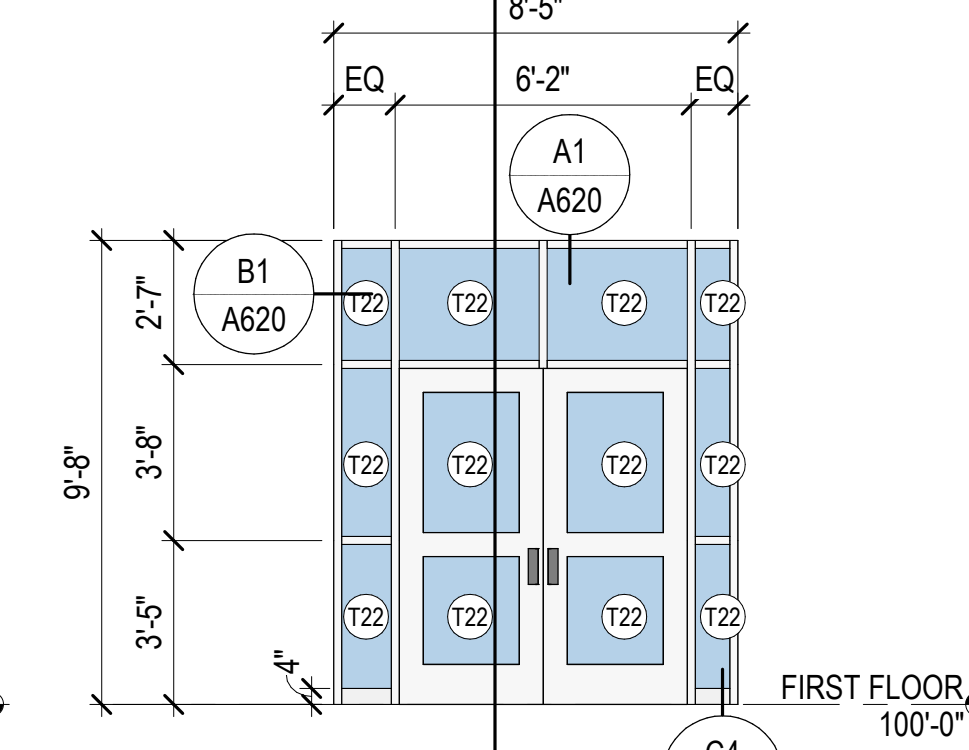
WINDOW TYPE 10
SCALE: 1/4" = 1'-0" STOREFRONT



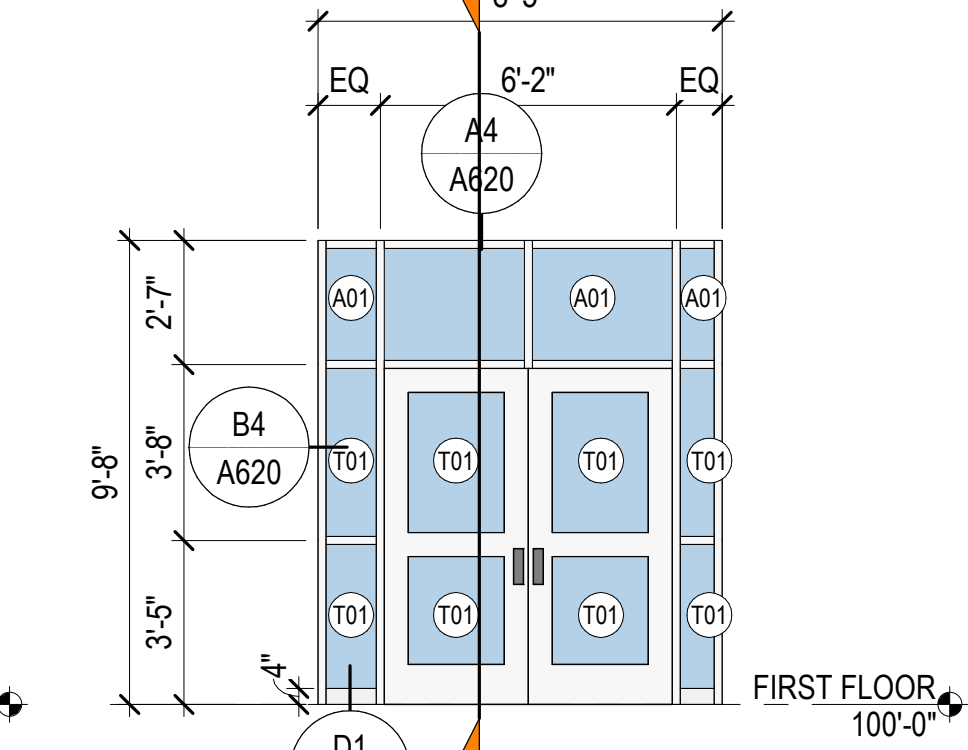
WINDOW TYPE 11
SCALE: 1/4" = 1'-0" STOREFRONT



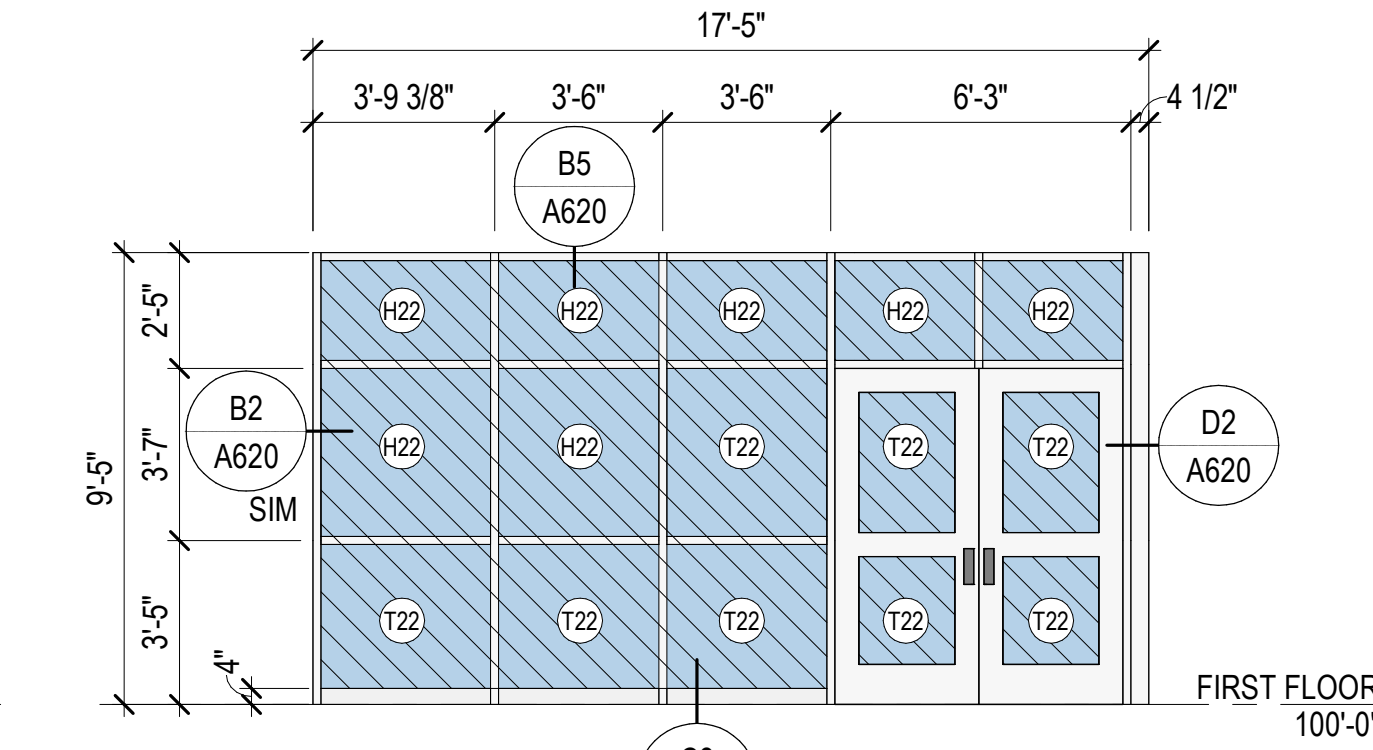
WINDOW TYPE 1
SCALE: 1/4" = 1'-0" STOREFRONT



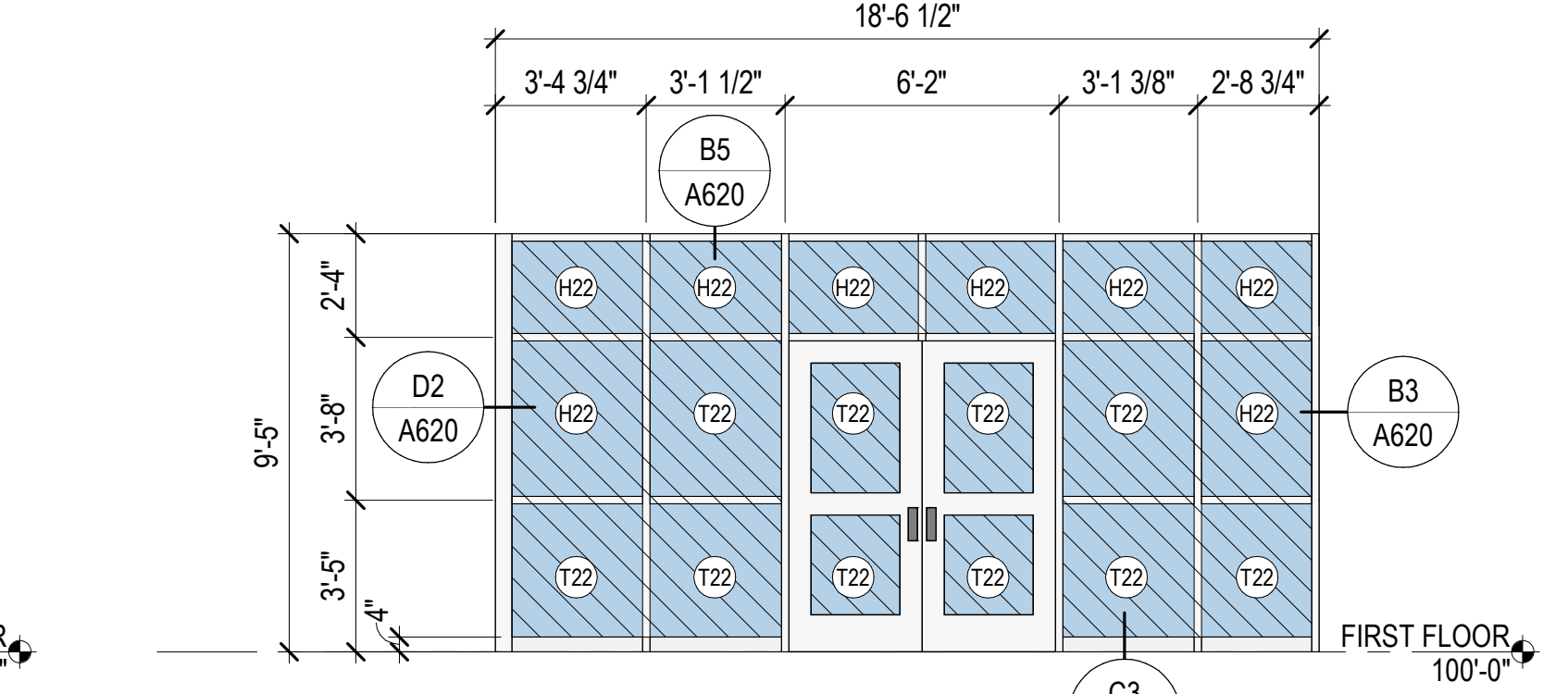
WINDOW TYPE 2
SCALE: 1/4" = 1'-0" CURTAIN WALL



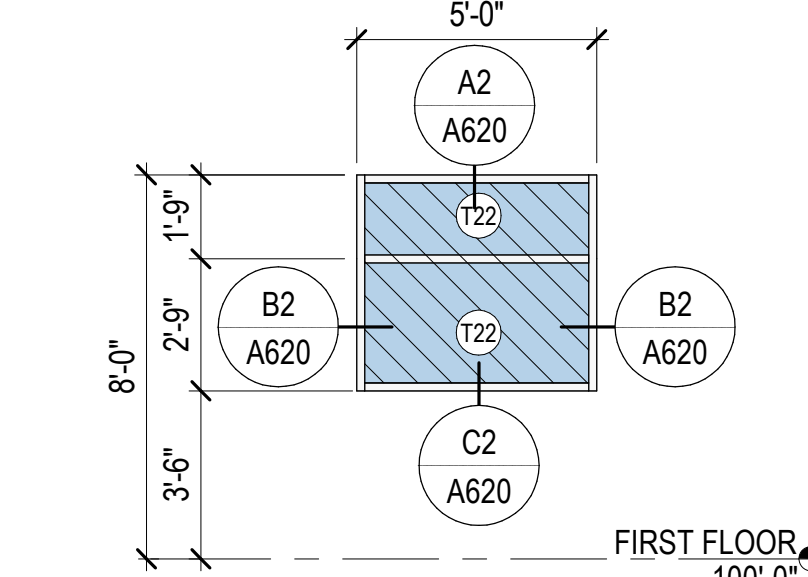
WINDOW TYPE 3
SCALE: 1/4" = 1'-0" STOREFRONT



WINDOW TYPE 4
SCALE: 1/4" = 1'-0" STOREFRONT

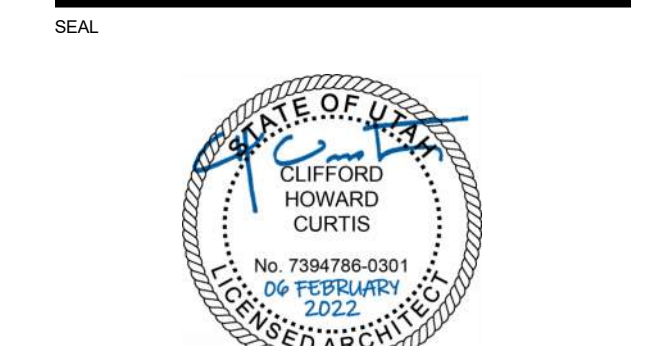


WINDOW TYPE 5
SCALE: 1/4" = 1'-0" STOREFRONT



WINDOW TYPE 6
SCALE: 1/4" = 1'-0" STOREFRONT

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MHTN PROJECT NO. 2023554-01

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

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

NO. DATE DESCRIPTION

PATTERN PLAN GENERAL NOTES

RE: A640 for the Finish Schedule

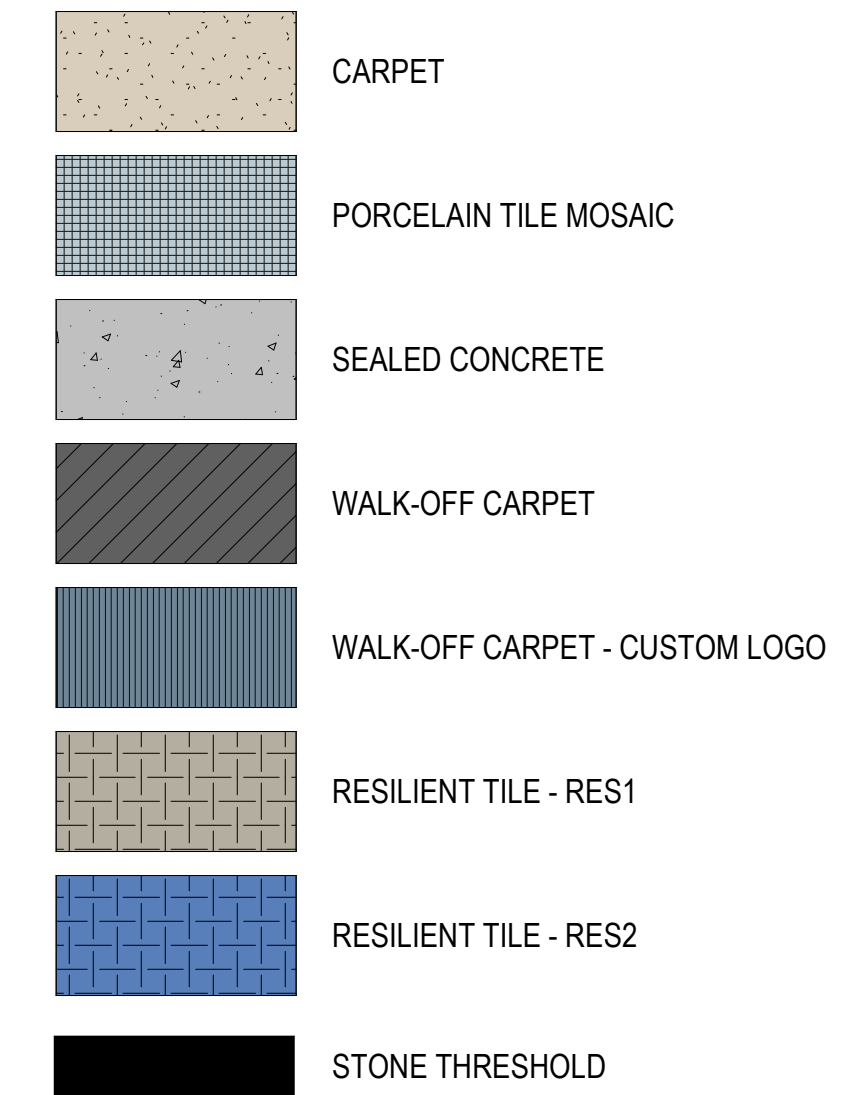
RE: Axxx for typical floor finish transition details

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

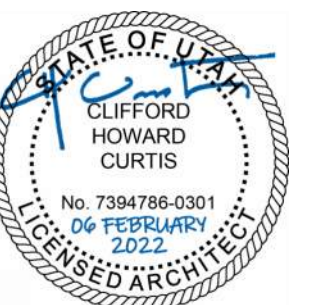


SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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MHTN PROJECT NO. 2023554.01

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

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

LAST REVISION DATE.		
NO. Δ	DATE	DESCRIPTION

ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME

CLASSROOM

FLOOR FINISH

FLOOR FINISH

PLAN

SHEET NUMBER

A0514

A651

AUG 1

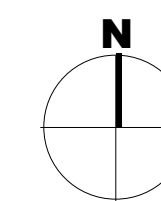
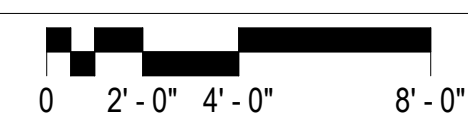
[RETURN TO INDEX](#)

Autodesk Docs://2023554 - SJSD School Projects (Blanding ES - MHS - ARL-MS - MCES - SJHYA24_2023554_SJSD ARL-MS Secure Vestibule.rvt
2/6/2026 8:59:29 PM

E1

PARTIAL FLOOR PATTERN PLAN - CLASSROOMS

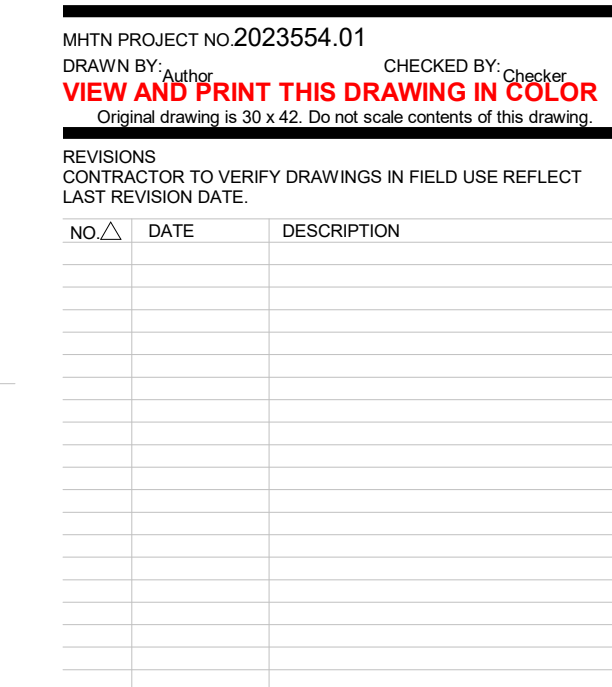
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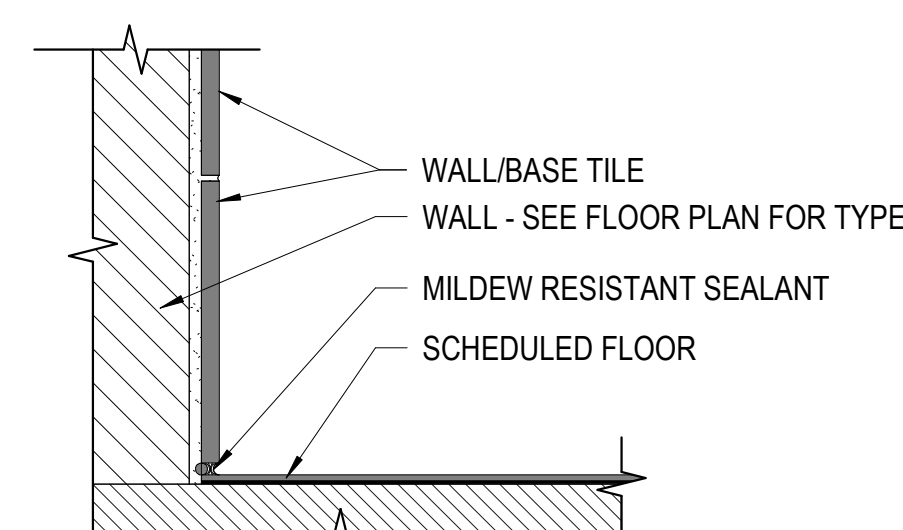


ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

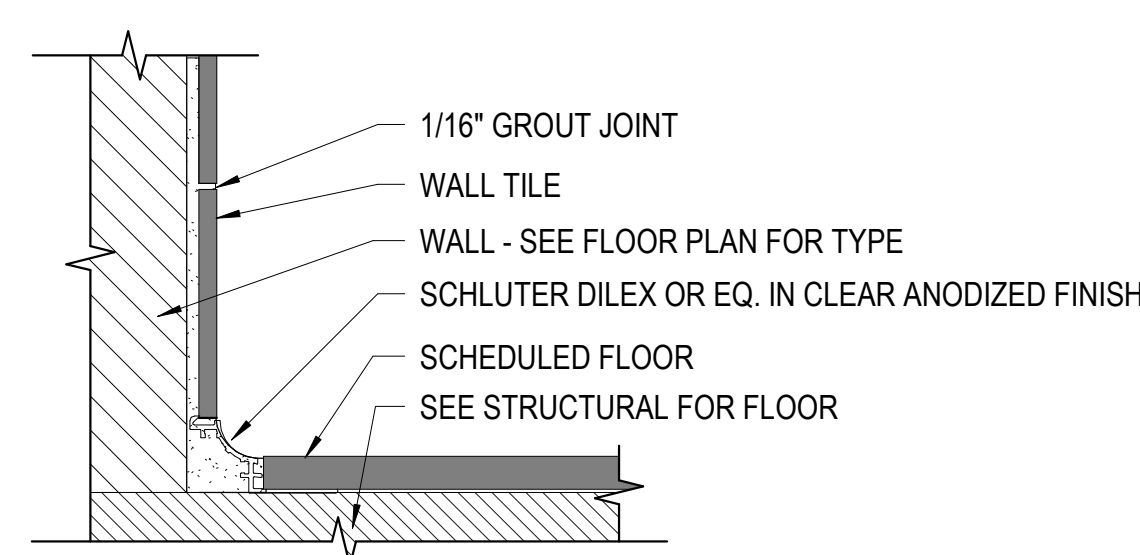
SHEET NAME
WALL PATTERNS
AND DETAILS

A660

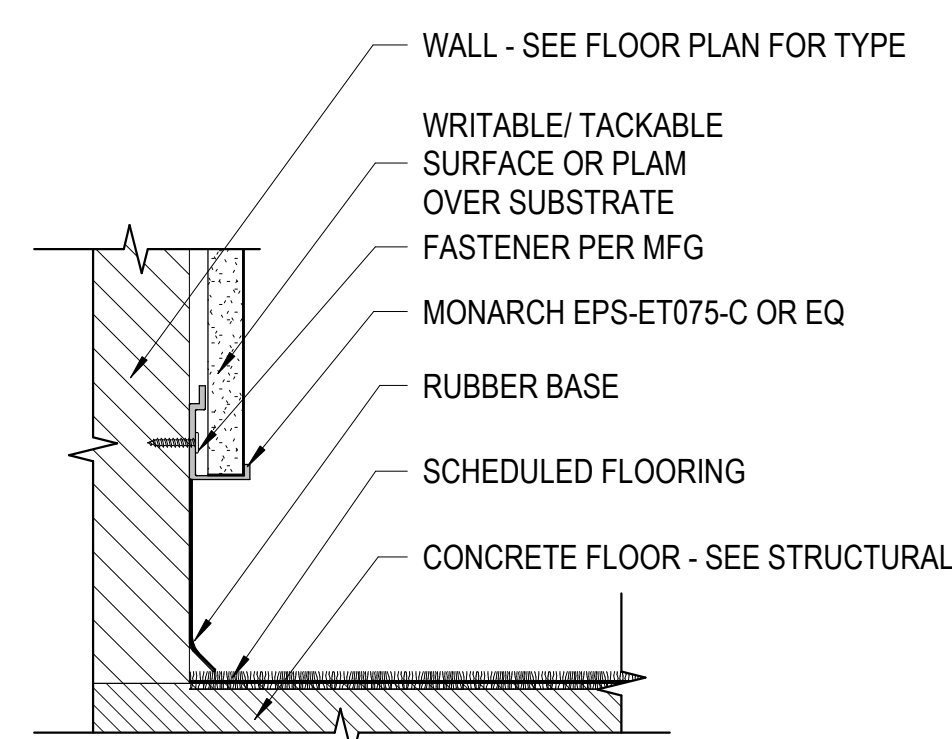
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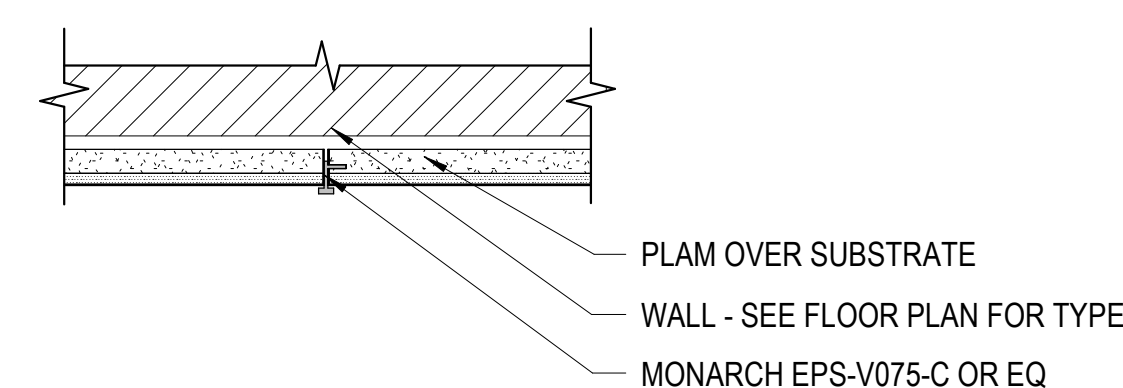
D1 TILE @ FLOOR
SCALE: 3" = 1'-0"



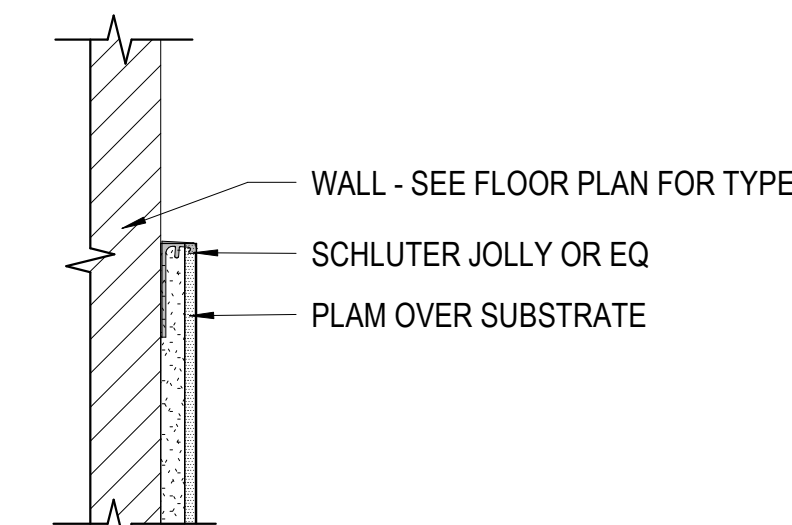
D2 TILE BASE @ FLOOR
SCALE: 3" = 1'-0"



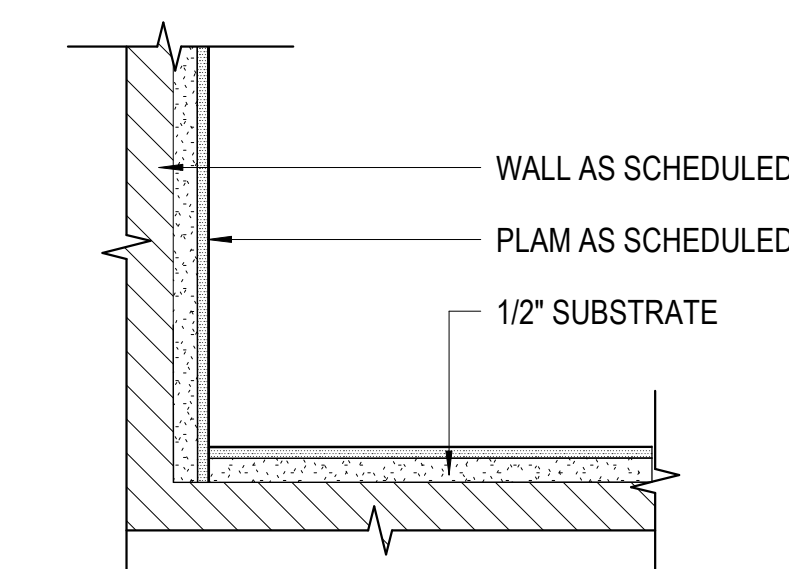
D3 PLAM/TACK/WRITE @ BASE
SCALE: 3" = 1'-0"



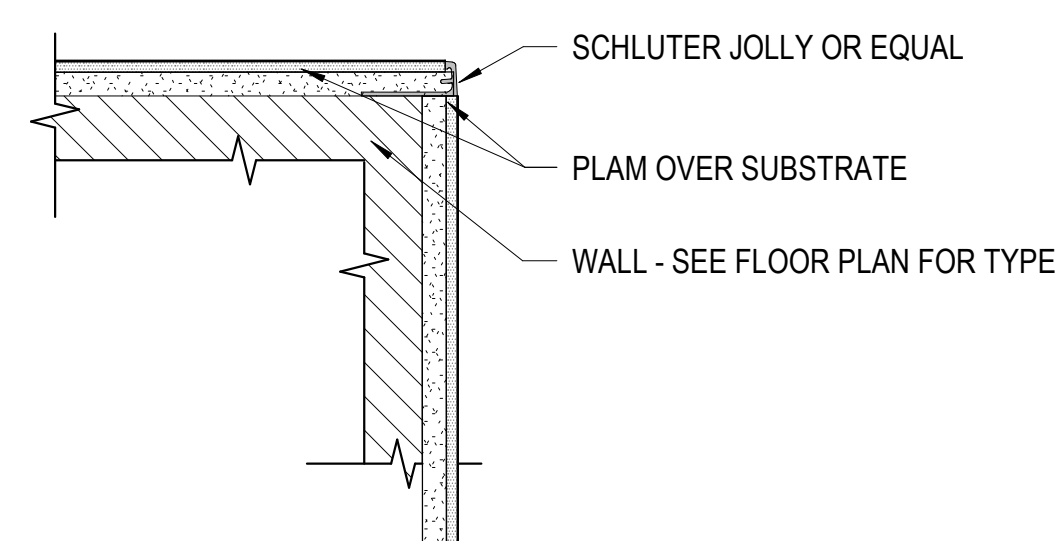
D4 PLAM VERT TRIM
SCALE: 3" = 1'-0"



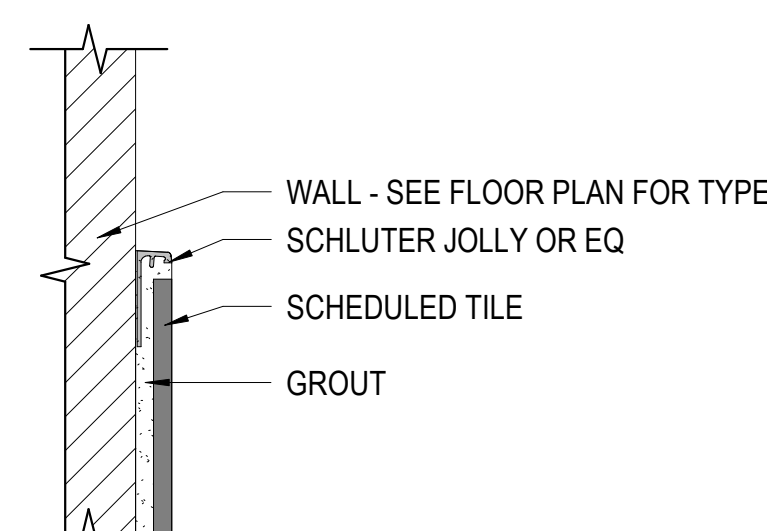
D5 PLAM @ SCHLUTER END CAP
SCALE: 3" = 1'-0"



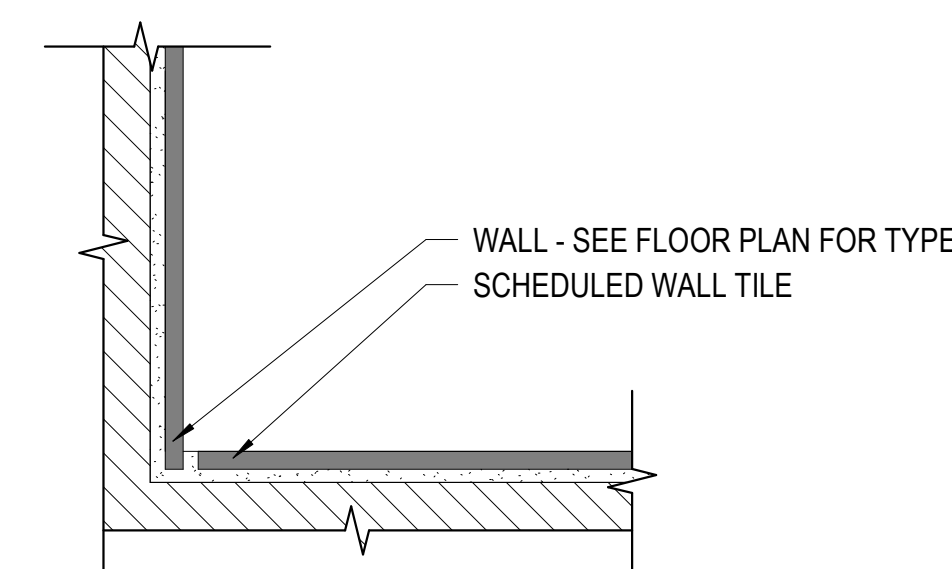
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E1 PLAM INSIDE CORNER
SCALE: 3" = 1'-0"



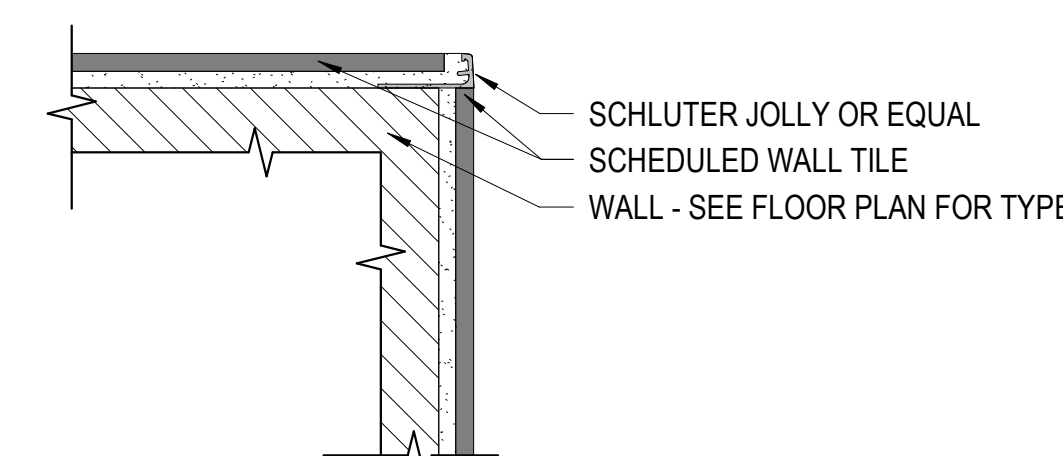
E2 PLAM @ SCHLUTER OUTSIDE CORNER
SCALE: 3" = 1'-0"



E3 TILE @ SCHLUTER END CAP
SCALE: 3" = 1'-0"



E4 TILE @ SCHLUTER INSIDE CORNER
SCALE: 3" = 1'-0"



E5 TILE @ SCHLUTER OUTSIDE CORNER
SCALE: 3" = 1'-0"

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

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

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.



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SE.



MHTN PROJECT NO.2023554.01

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REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

NO. ^	DATE	DESCRIPTION
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ISSUE

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

SHEET NAME
OVERALL

OVERALL

REFLECTED

CEILING PLAN

SELECT PLAN

SHEET NUMBER

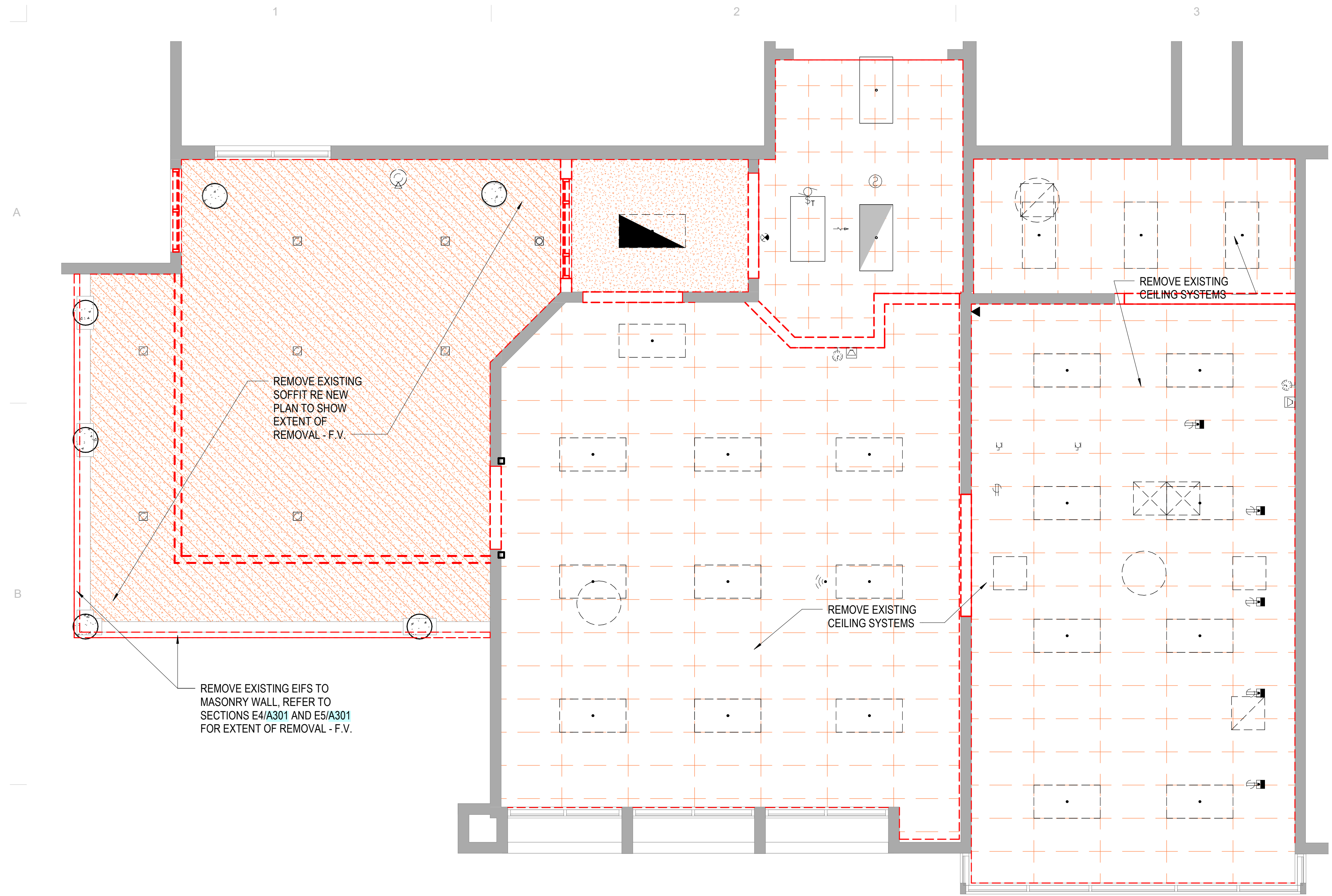
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A 700

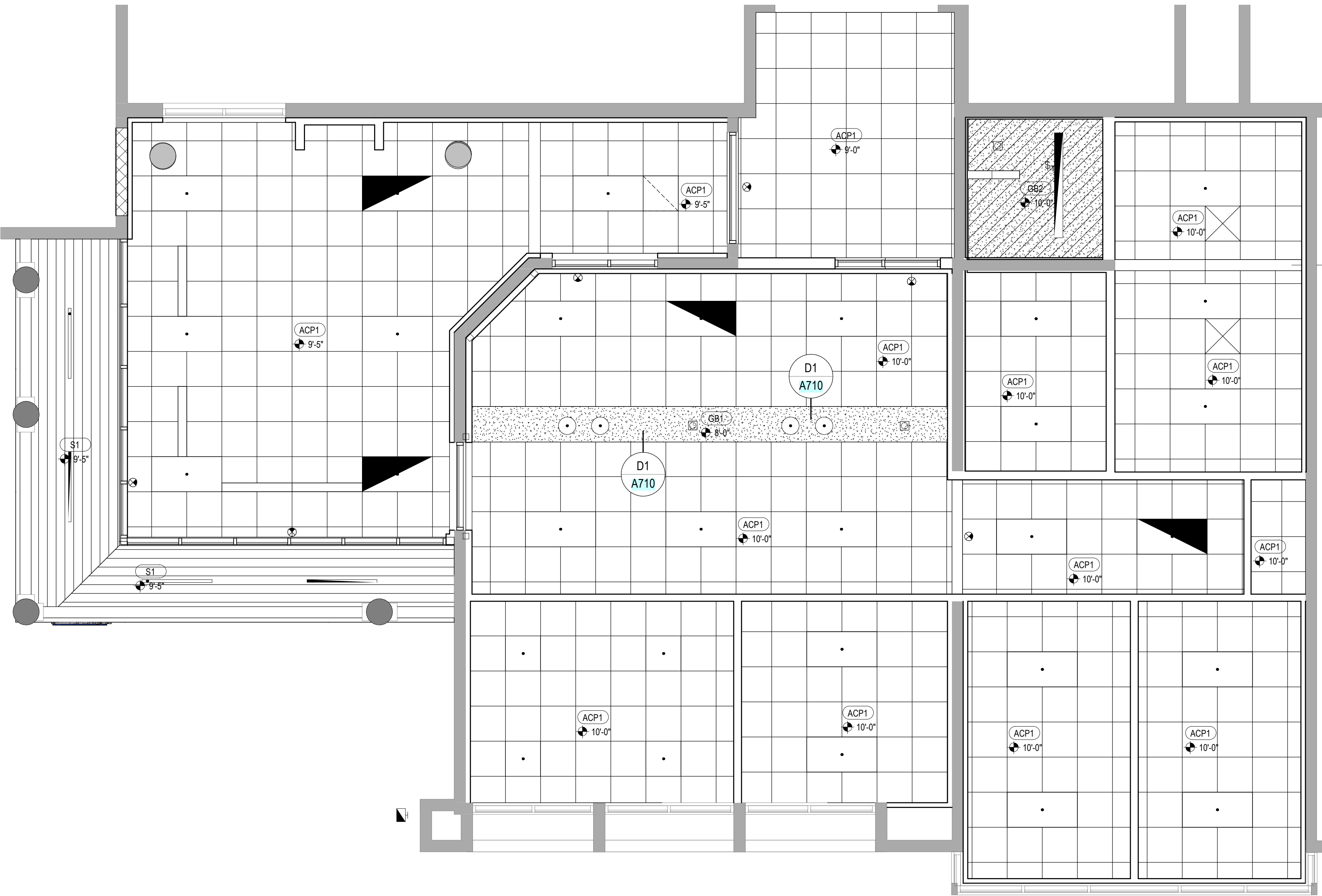
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7/6/2026 8:59:33 PM



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
			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		

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
	MOTORIZED ROLLER SHADE
	MANUAL ROLLER SHADE

REFLECTED CEILING PLAN GENERAL NOTES

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

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

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.

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

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

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.

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	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		

	AC-P1 - 24" X 24" ACOUSTICAL CEILING PANEL
	AC-P2 - 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
	MOTORIZED ROLLER SHADE
	MANUAL ROLLER SHADE

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

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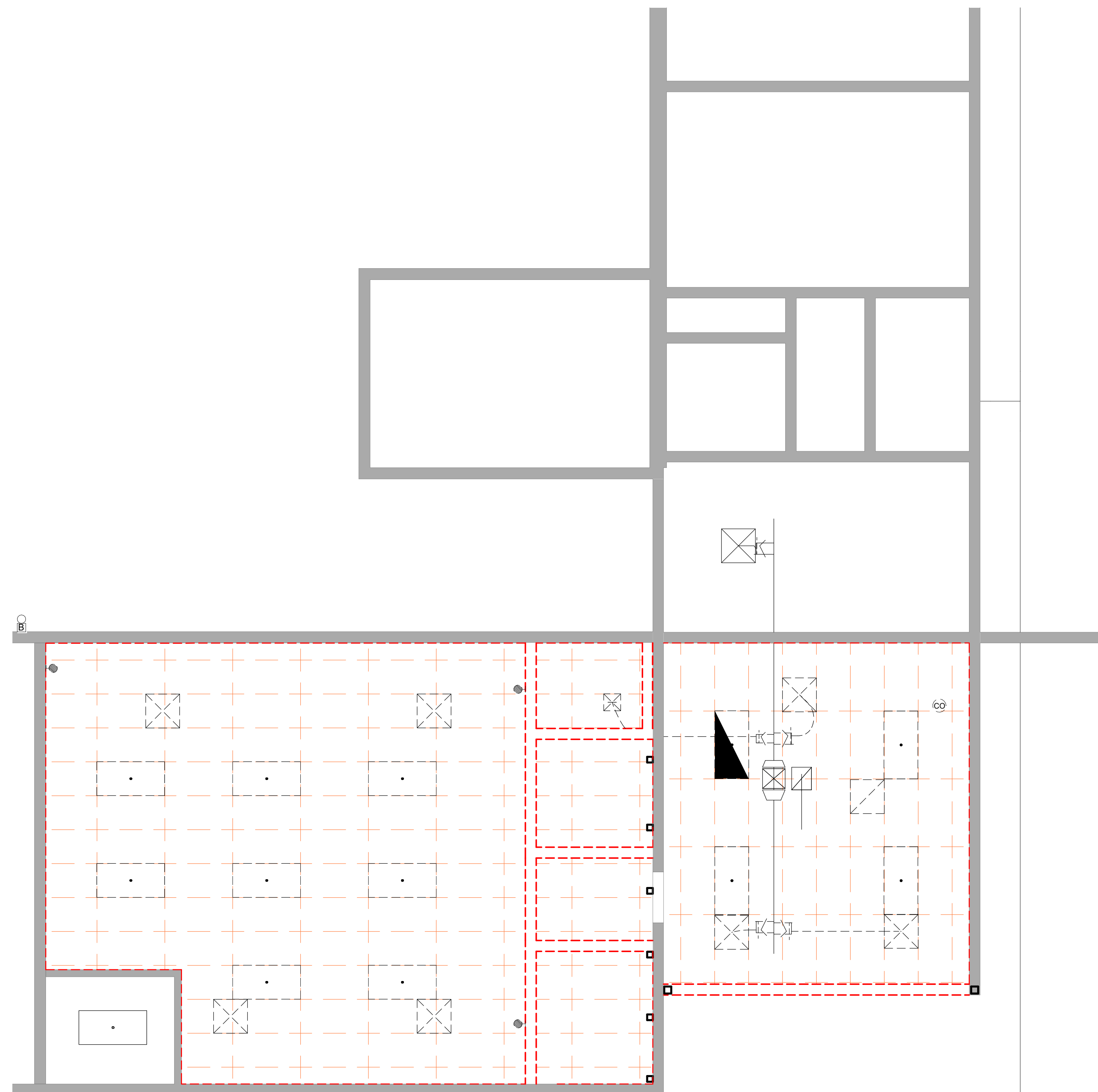
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Walls to Deck: Extend all walls to deck, including all components of the wall assembly, UNO.

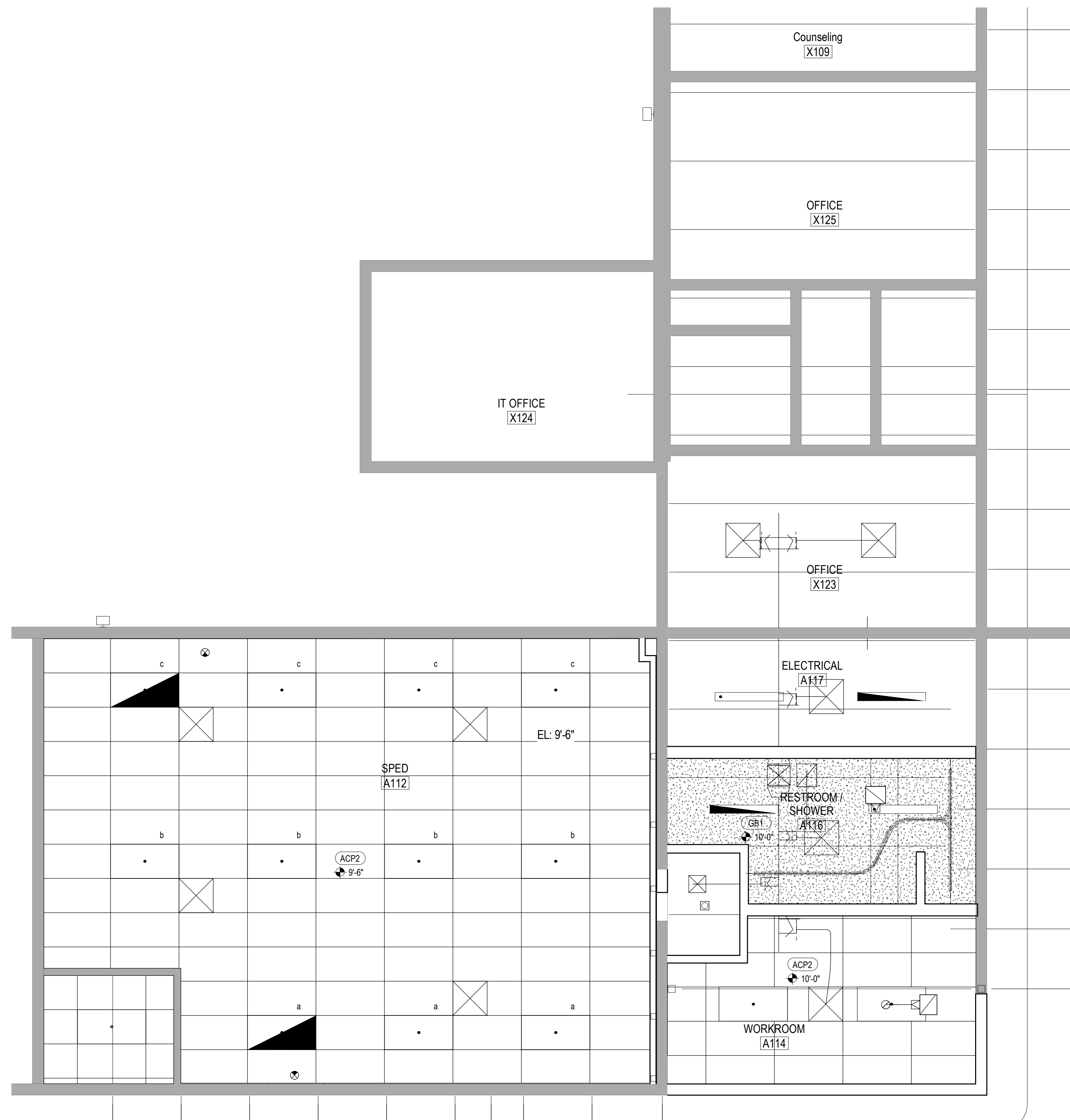
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Electrical, Mechanical and other Devices: Center in acoustical panels. Coordinate feature lighting layout with Architect prior to rough-in.

Keynotes: Not all keynotes apply to this sheet



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

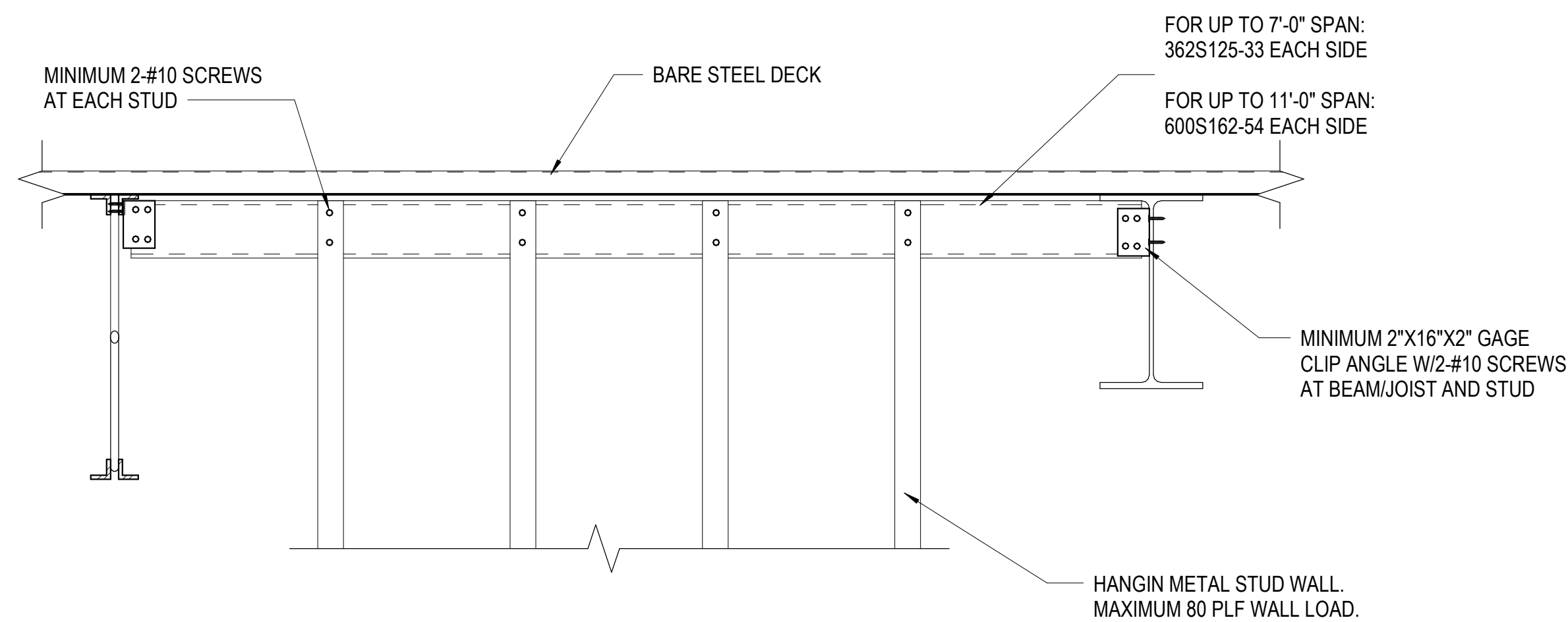


E3 PARTIAL REFLECTED CEILING PLAN - COUNSELING
SCALE: 1/4" = 1'-0"

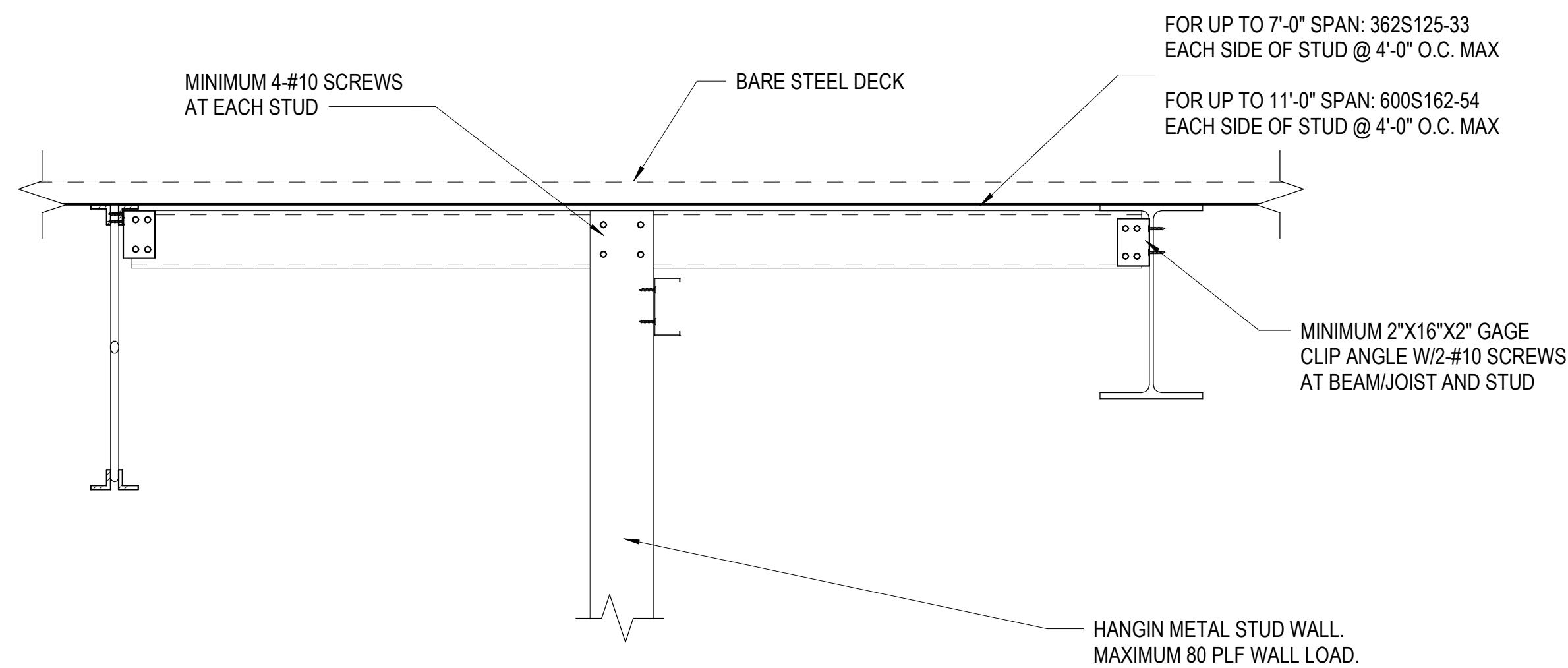
A

B

C



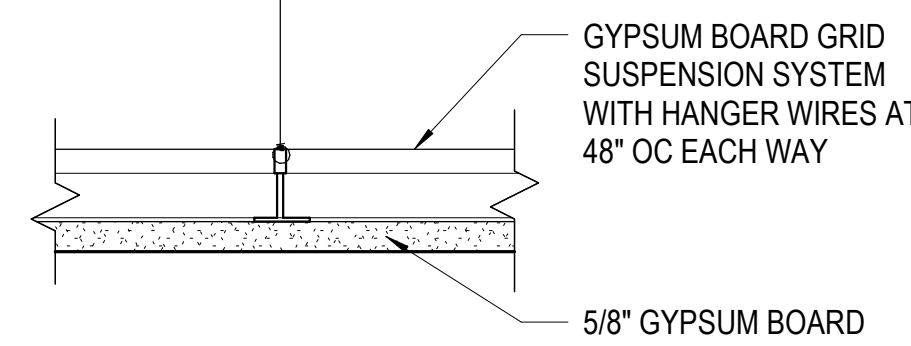
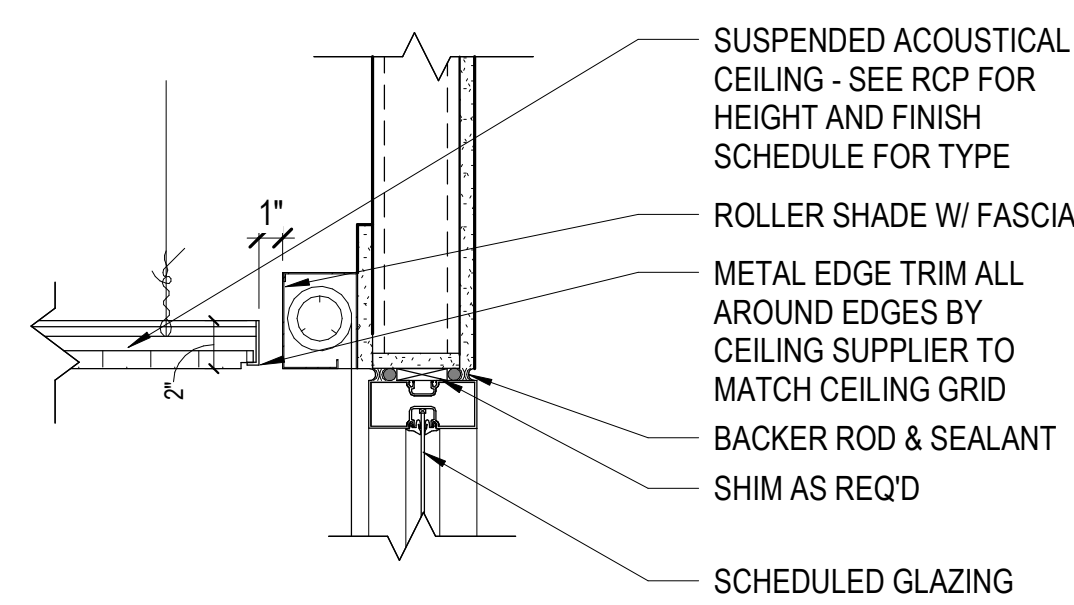
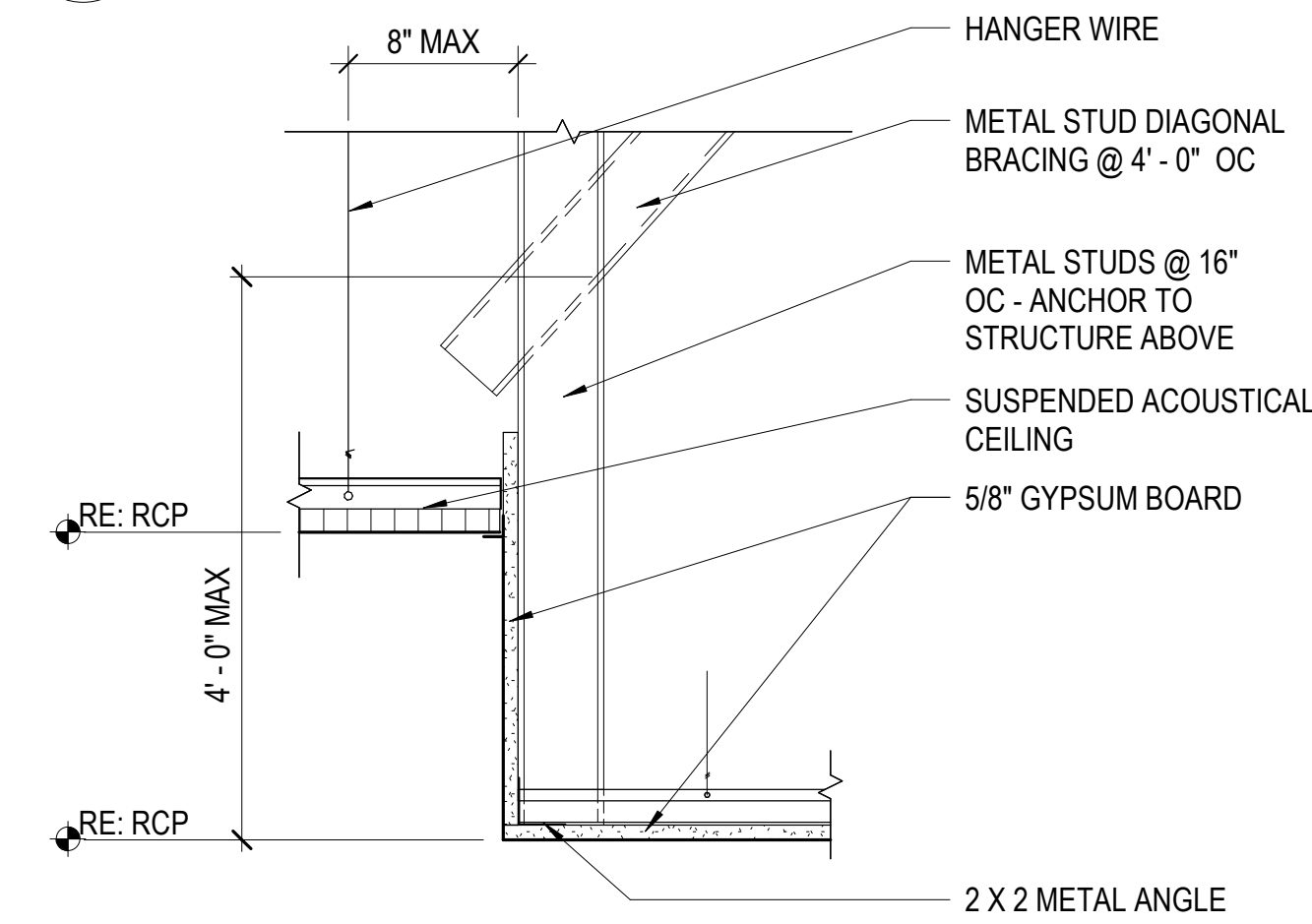
HANGING WALL PARALLEL TO STEEL DECK



HANGING WALL PERPENDICULAR TO STEEL DECK

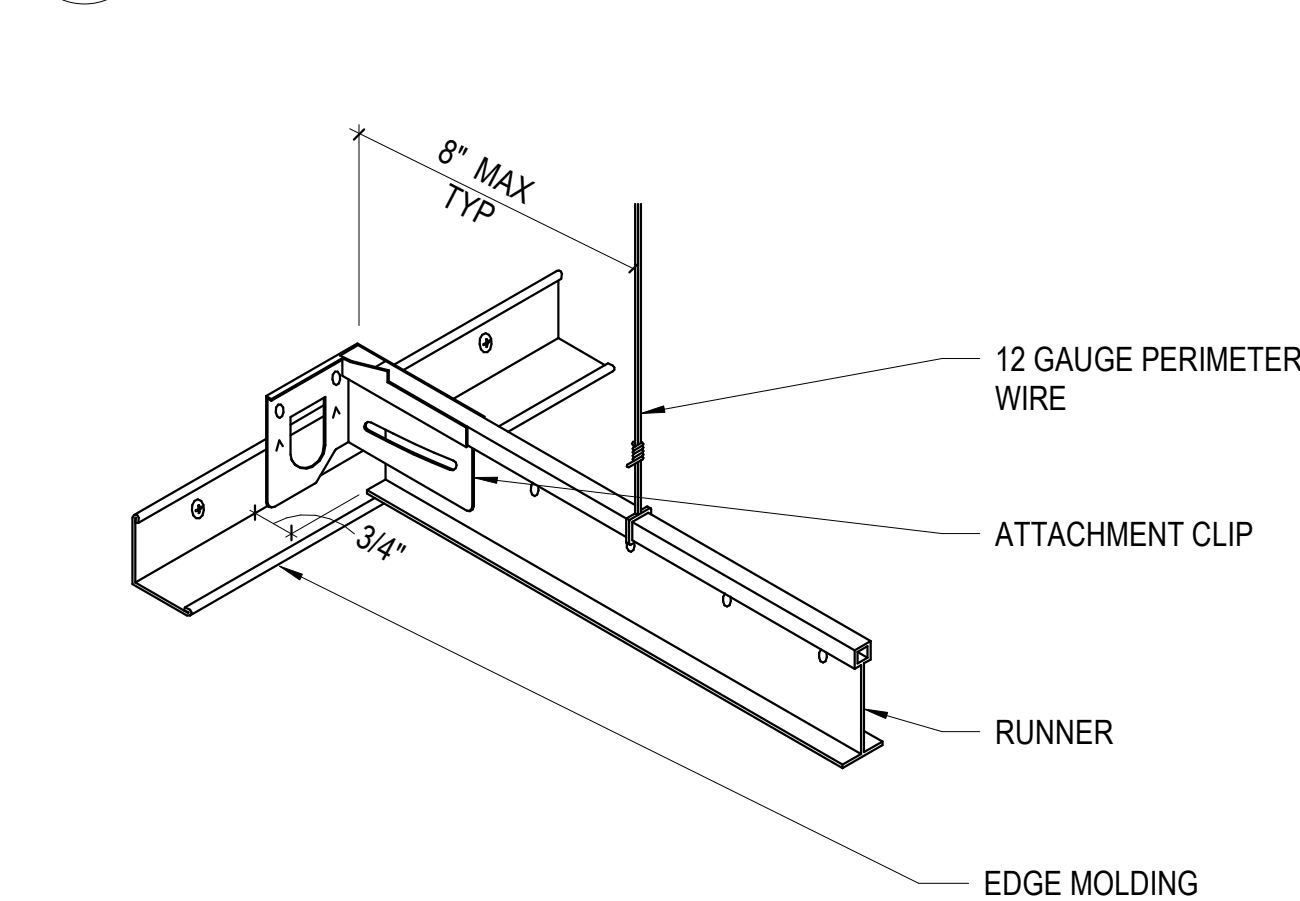
C1 INTERIOR HANGING METAL STUD WALL

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



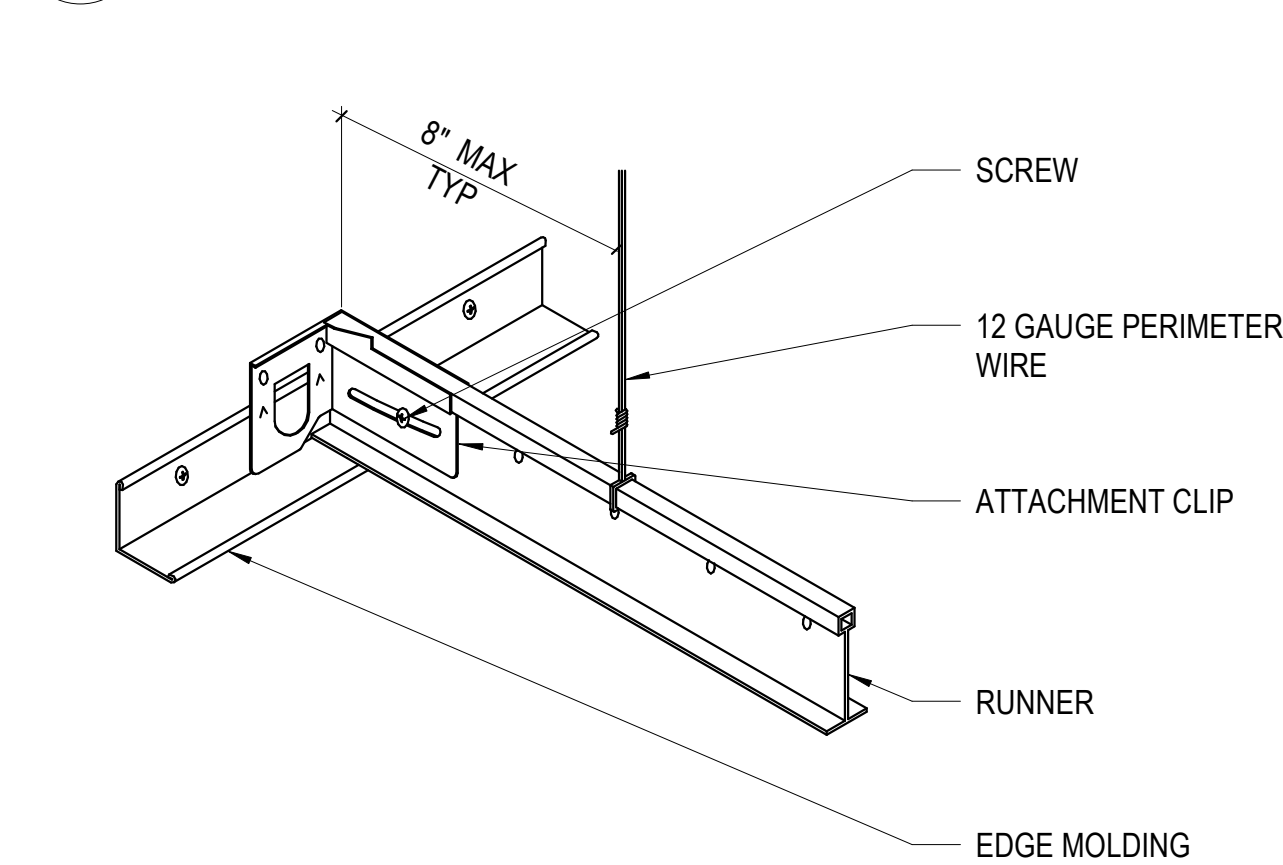
D1 CEILING DETAIL

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



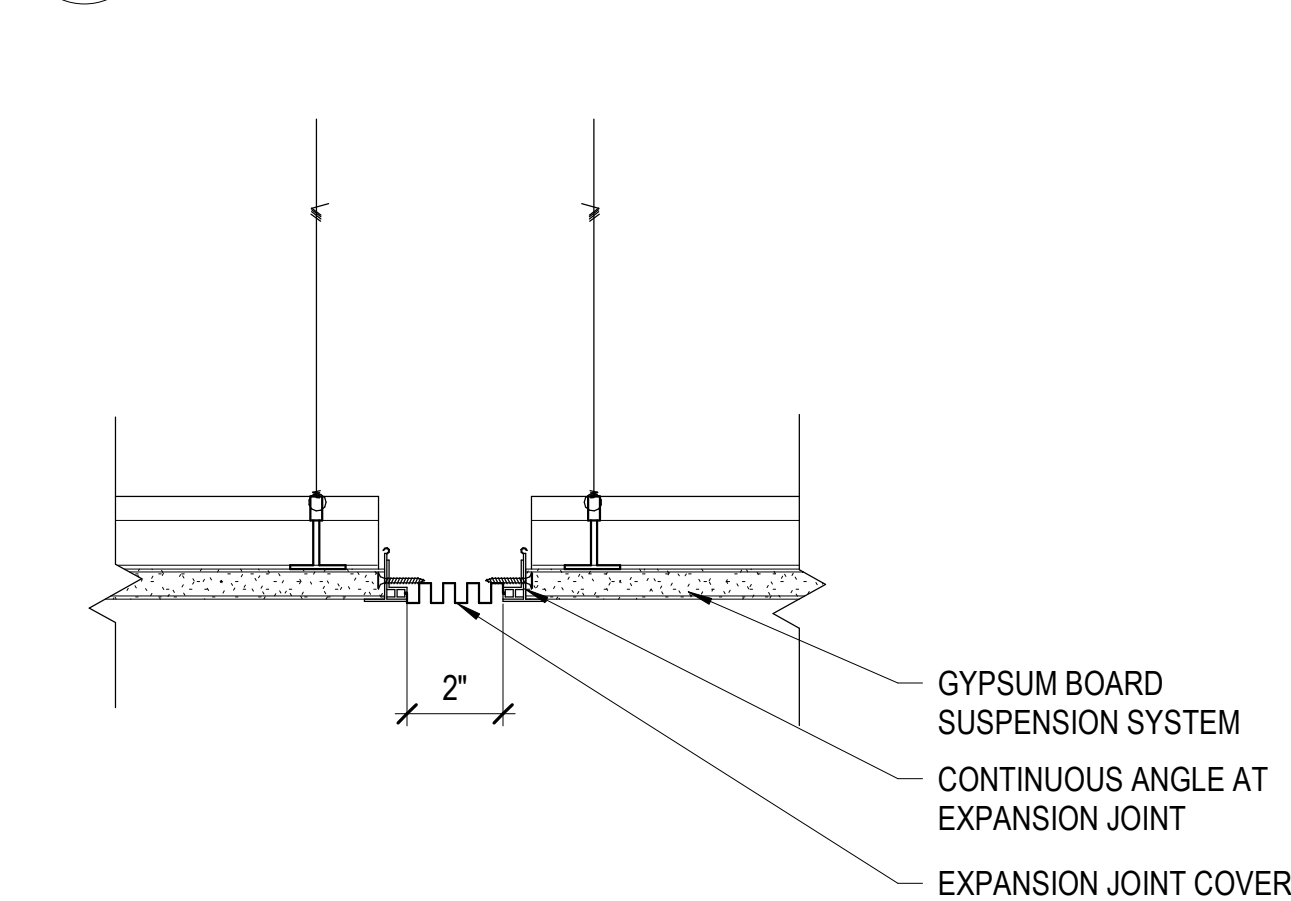
D2 CEILING DETAIL

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



D3 TYP GYP BD CEILING DETAIL

SCALE: 3" = 1'-0"



E1 CEILING DETAIL-UNATTACHED

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



E2 CEILING DETAIL-ATTACHED

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



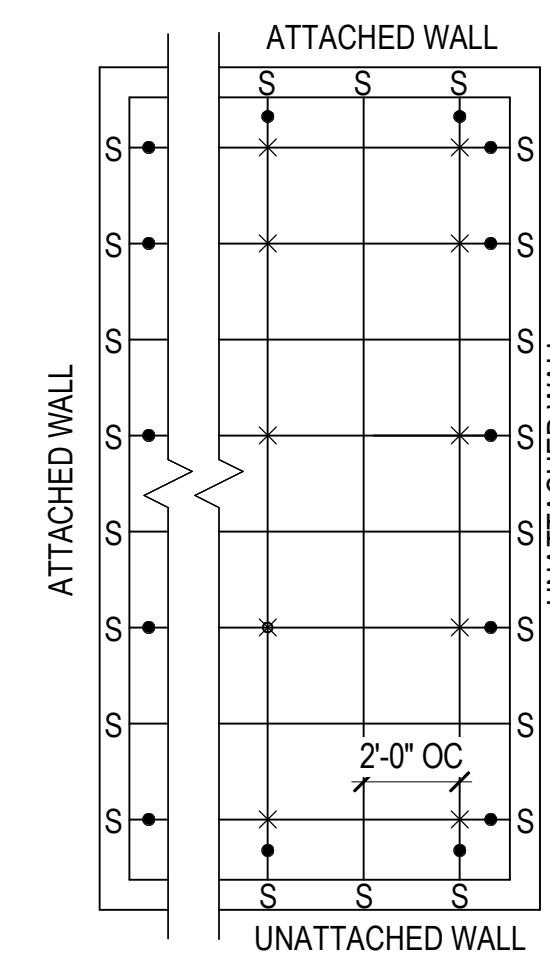
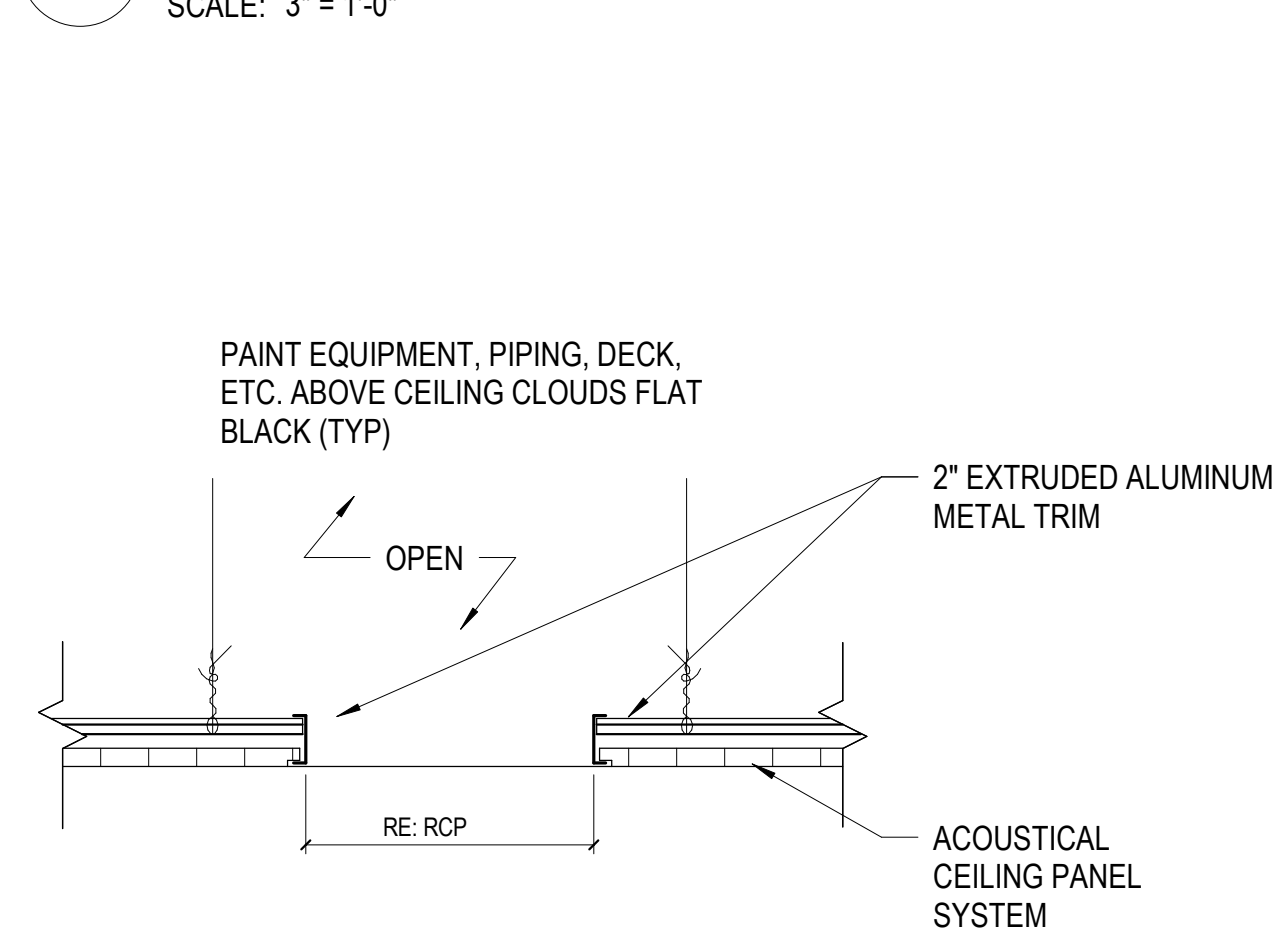
E3 CEILING DETAIL

SCALE: 3" = 1'-0"



A4 NON-STRUCTURAL METAL FRAMING COLD ROLLED CHANNEL

SCALE: 3" = 1'-0"

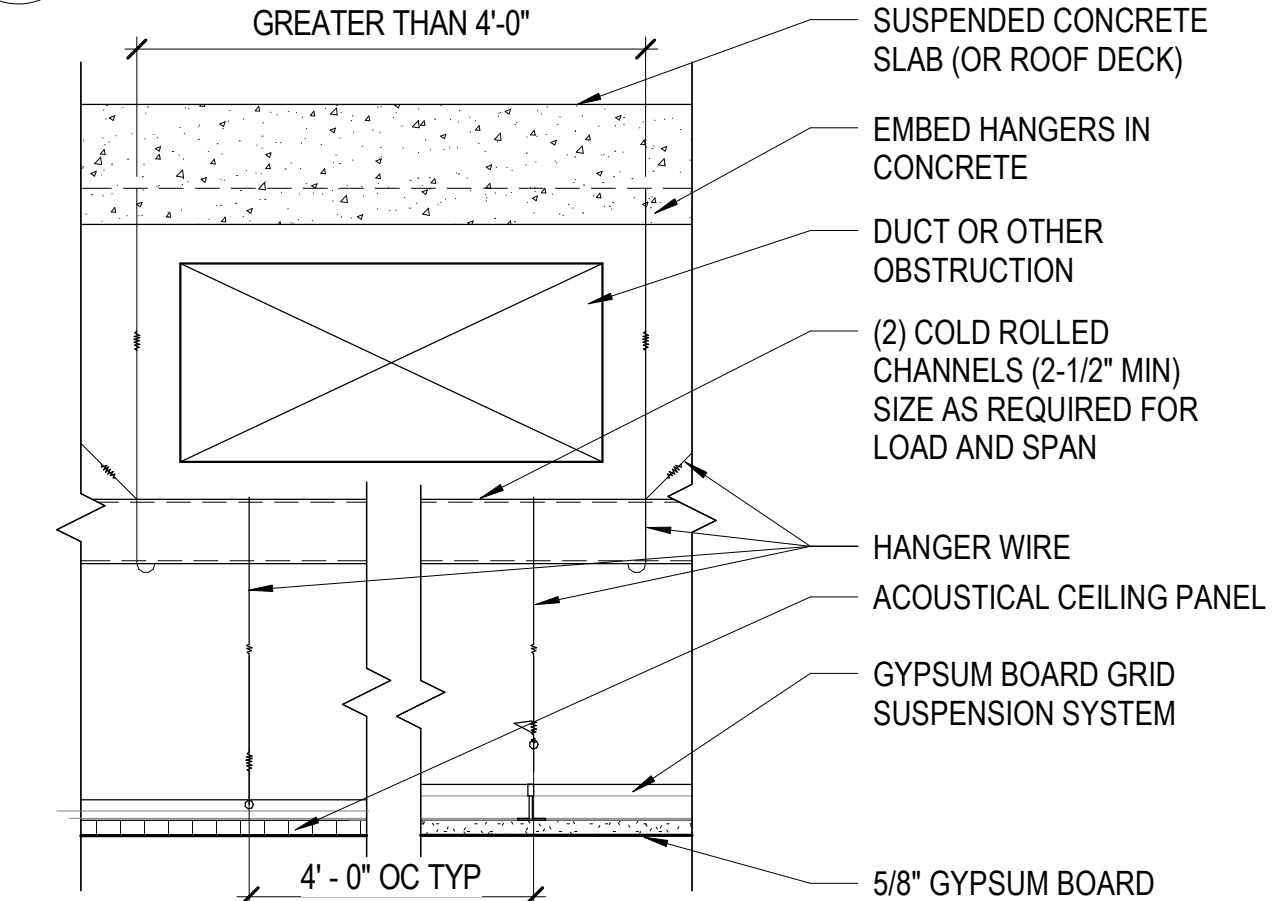


SYMBOL LEGEND:
S ATTACHMENT CLIP
X HANGER WIRE
• PERIMETER WIRE

RE: ATTACHMENT CLIP DETAILS
THIS SHEET FOR ATTACHMENT TO WALLS
FRAMING FOR 2X2 GRID;
2X4 GRID SIMILAR

D4 CEILING DETAIL

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



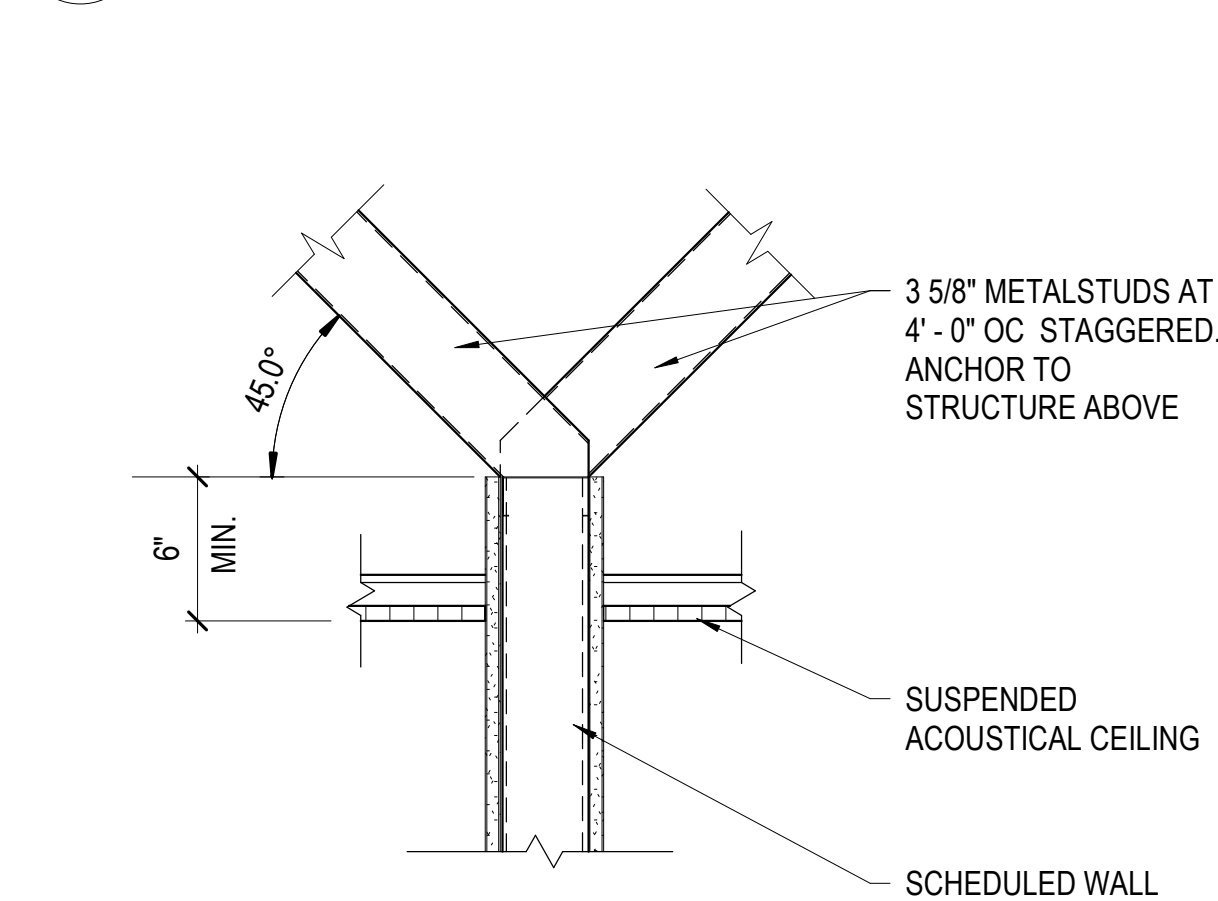
E4 CEILING GRID TRANSFER DETAIL

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



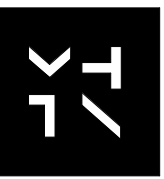
D5 TYP SUSPENDED CEILING DETAIL

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



E5 CEILING DETAIL

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



MHTN

ARCHITECTS

MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 585-8700
www.mhtn.com

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 06 FEBRUARY 2026

2 06 FEBRUARY 2026

3 06 FEBRUARY 2026

4 06 FEBRUARY 2026

5 06 FEBRUARY 2026

6 06 FEBRUARY 2026

7 06 FEBRUARY 2026

8 06 FEBRUARY 2026

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10 06 FEBRUARY 2026

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21 06 FEBRUARY 2026

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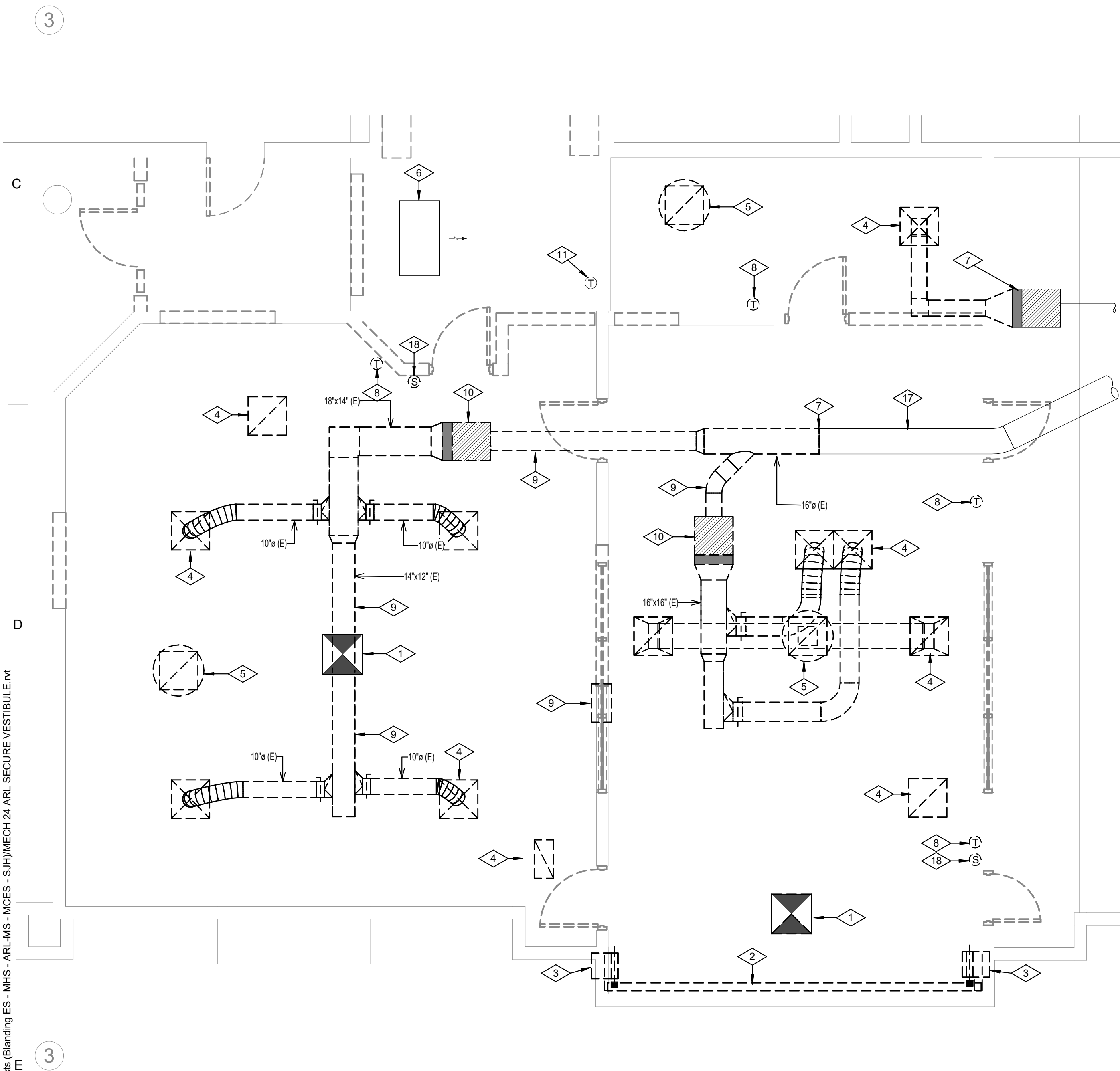
A710

RETURN TO INDEX

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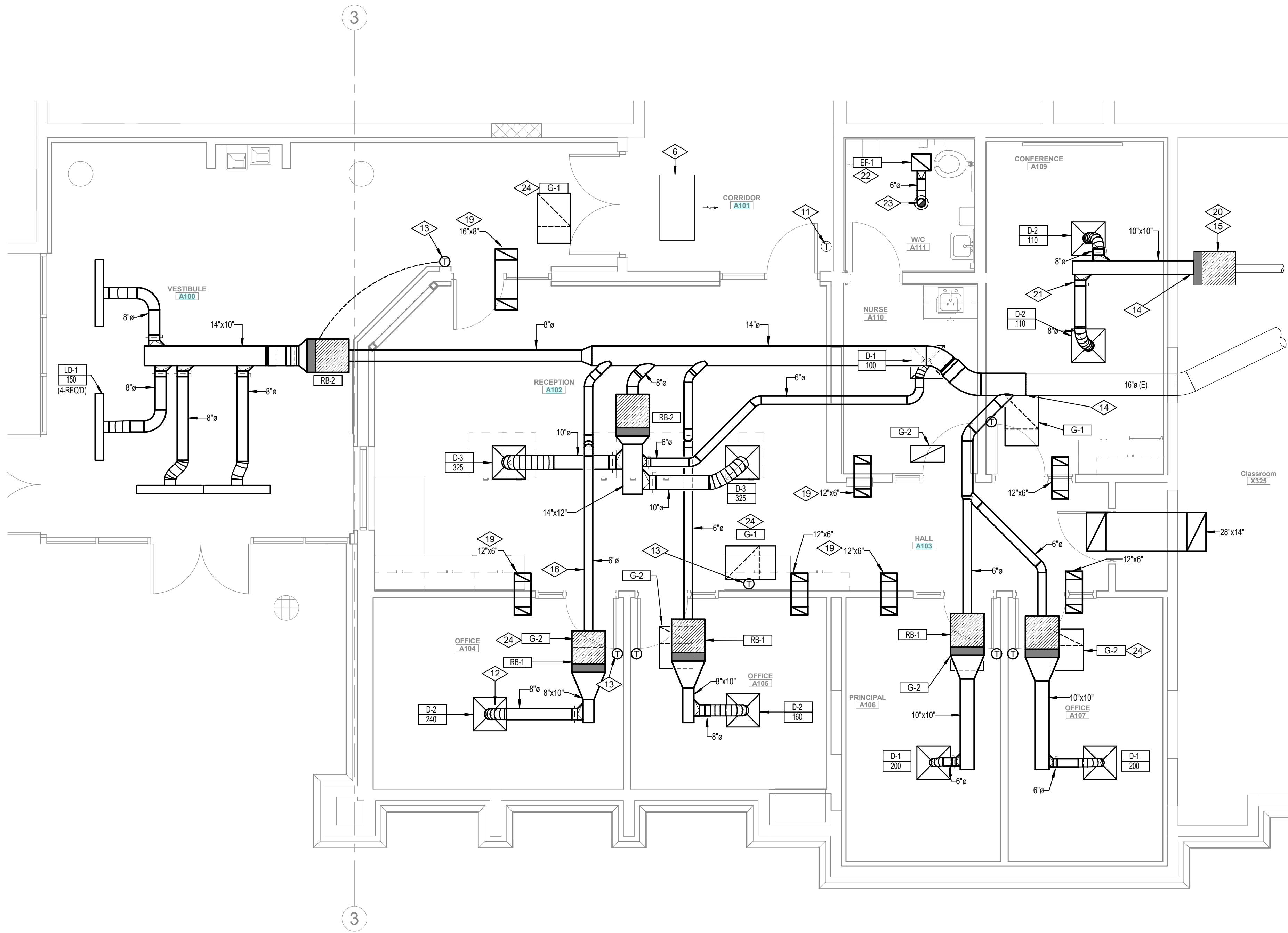
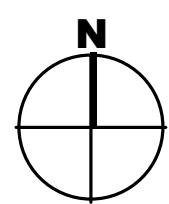
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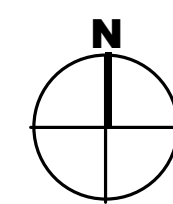
MECHANICAL DEMO PLAN ADMIN

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



MECHANICAL PLAN ADMIN

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



REFERENCE NOTES

- 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.



MHTN
ARCHITECTS

MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 585-8700
www.mhtn.com

OLSEN & PETERSON
consulting engineers, inc.

14 East 2700 South, Salt Lake City, UT 84115
Phone: (801) 488-4848 Fax: (801) 482-2531

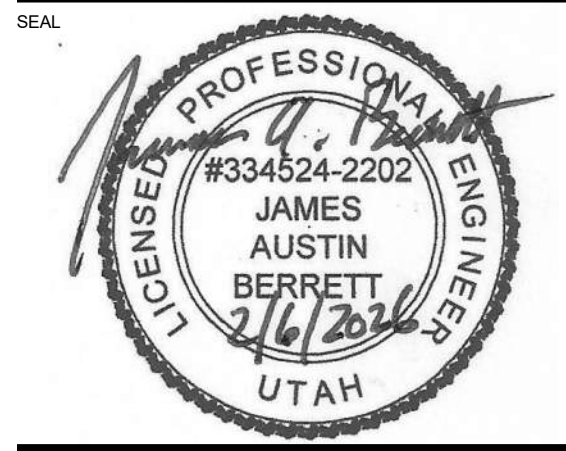
SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

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.

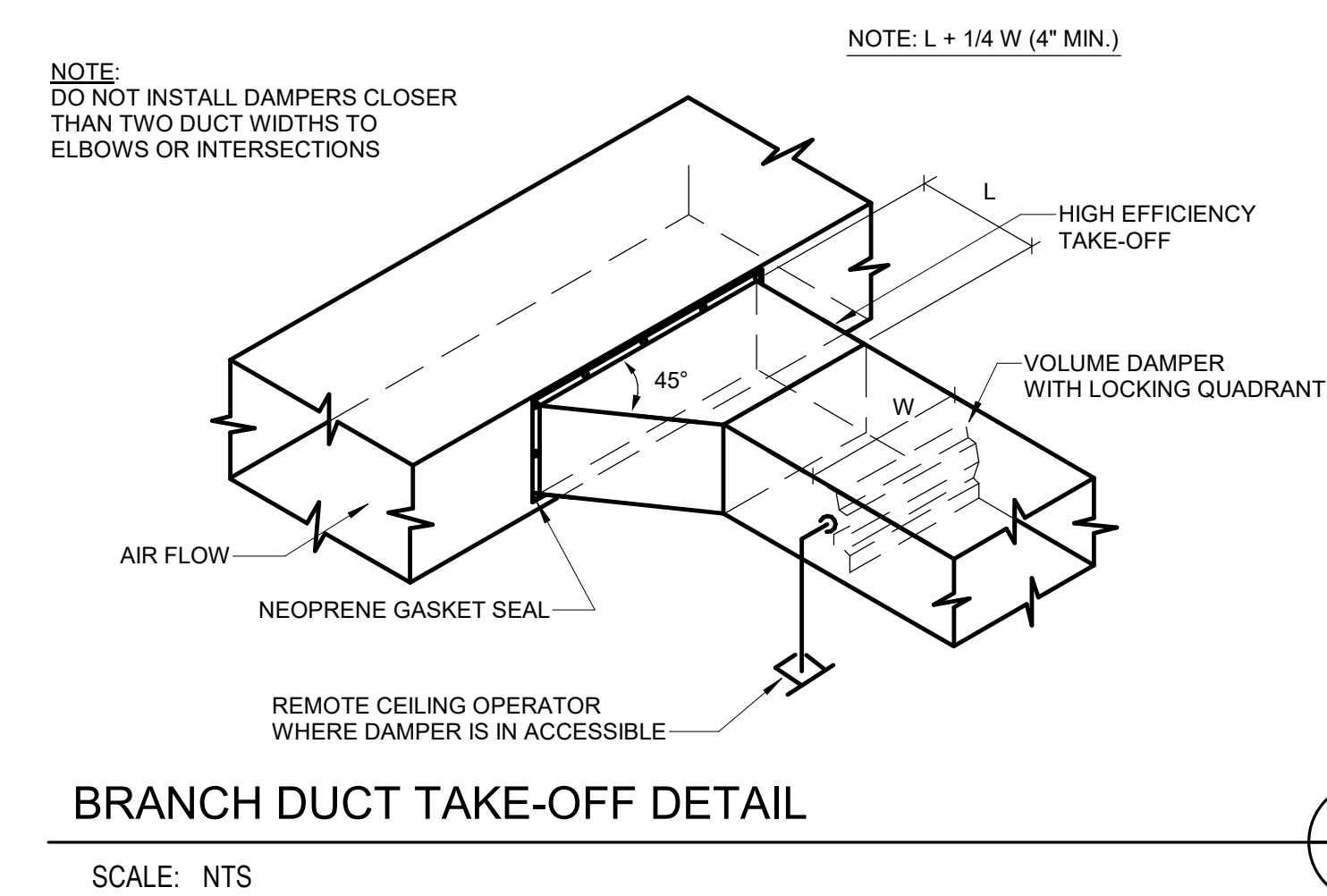
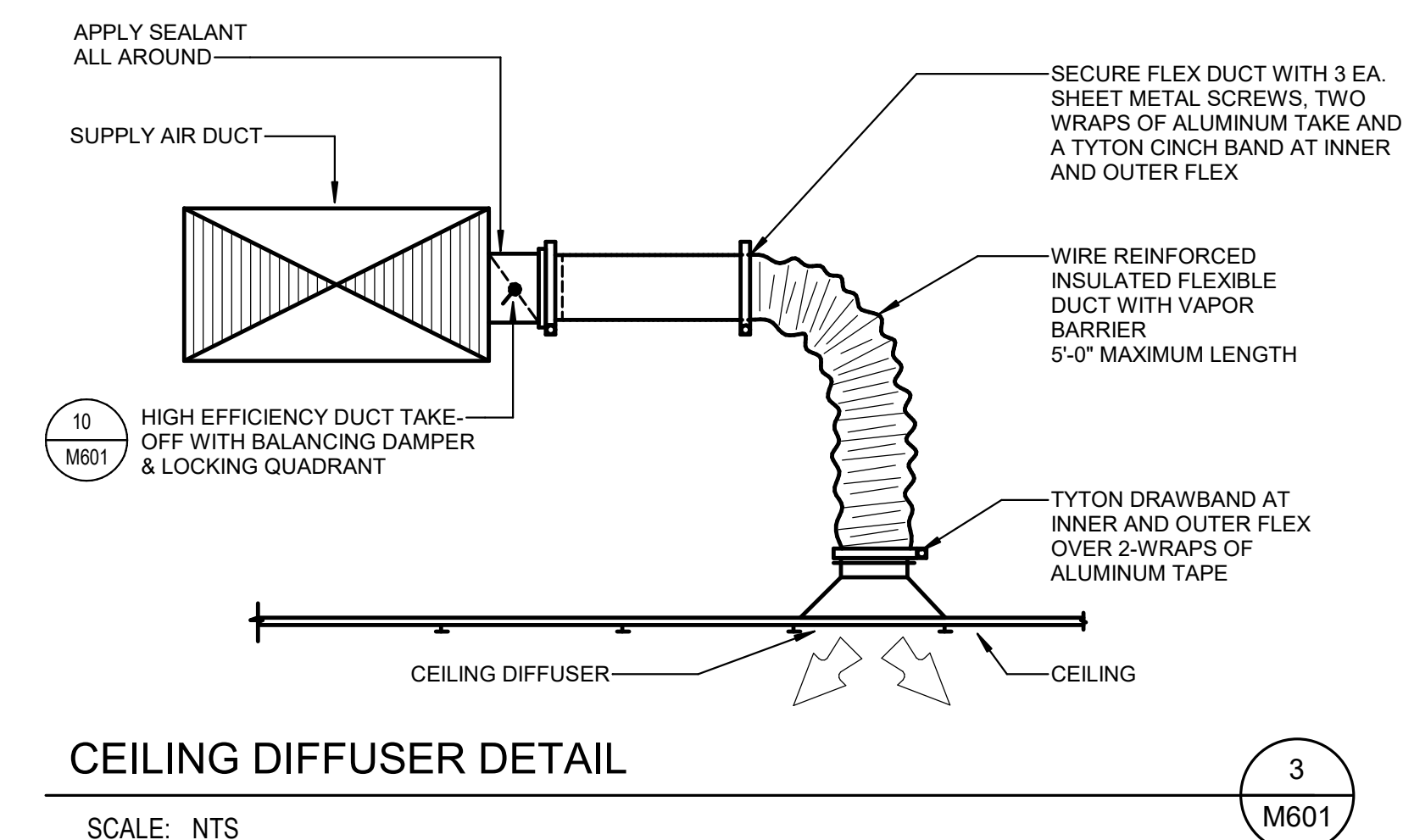
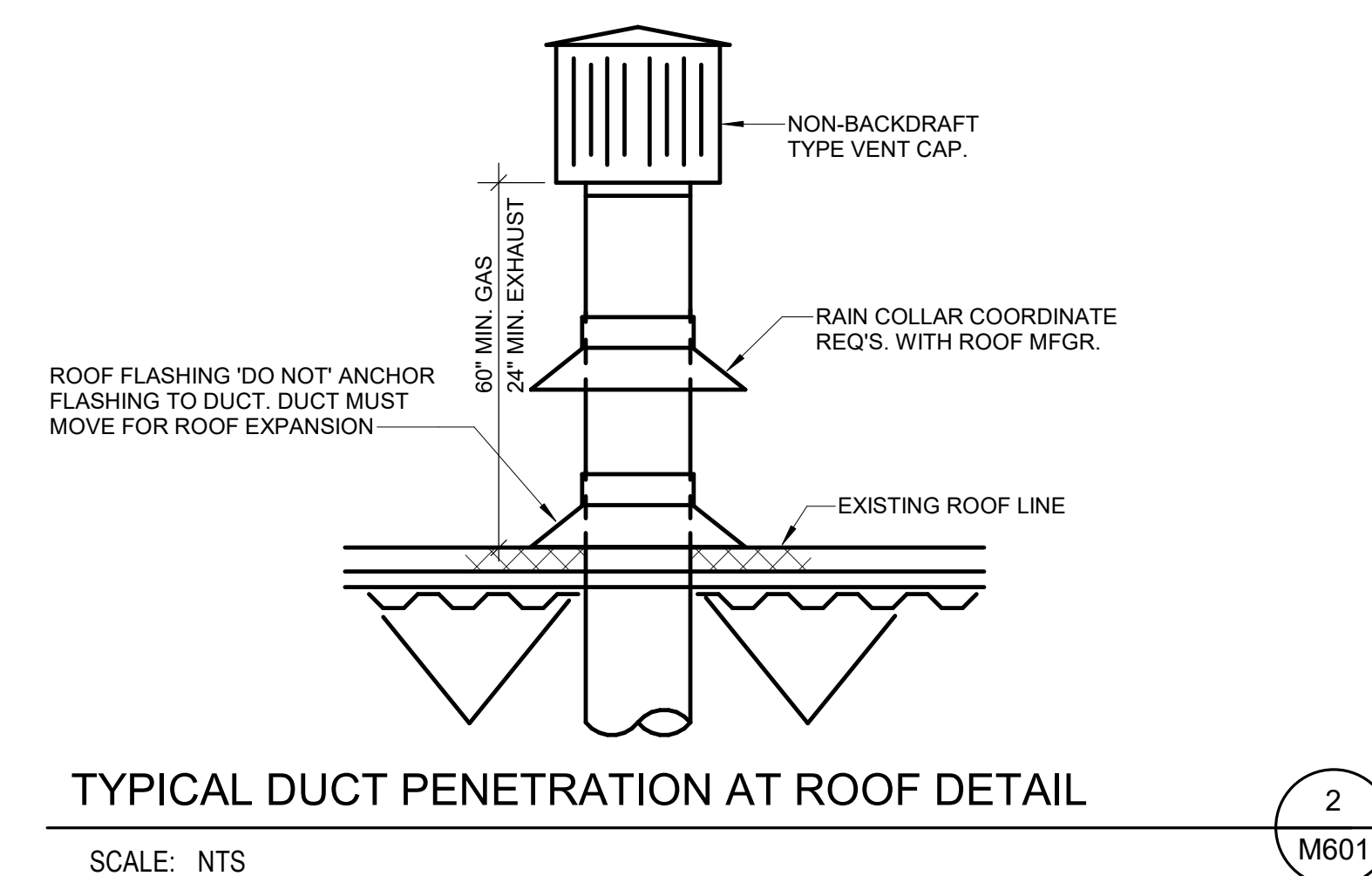
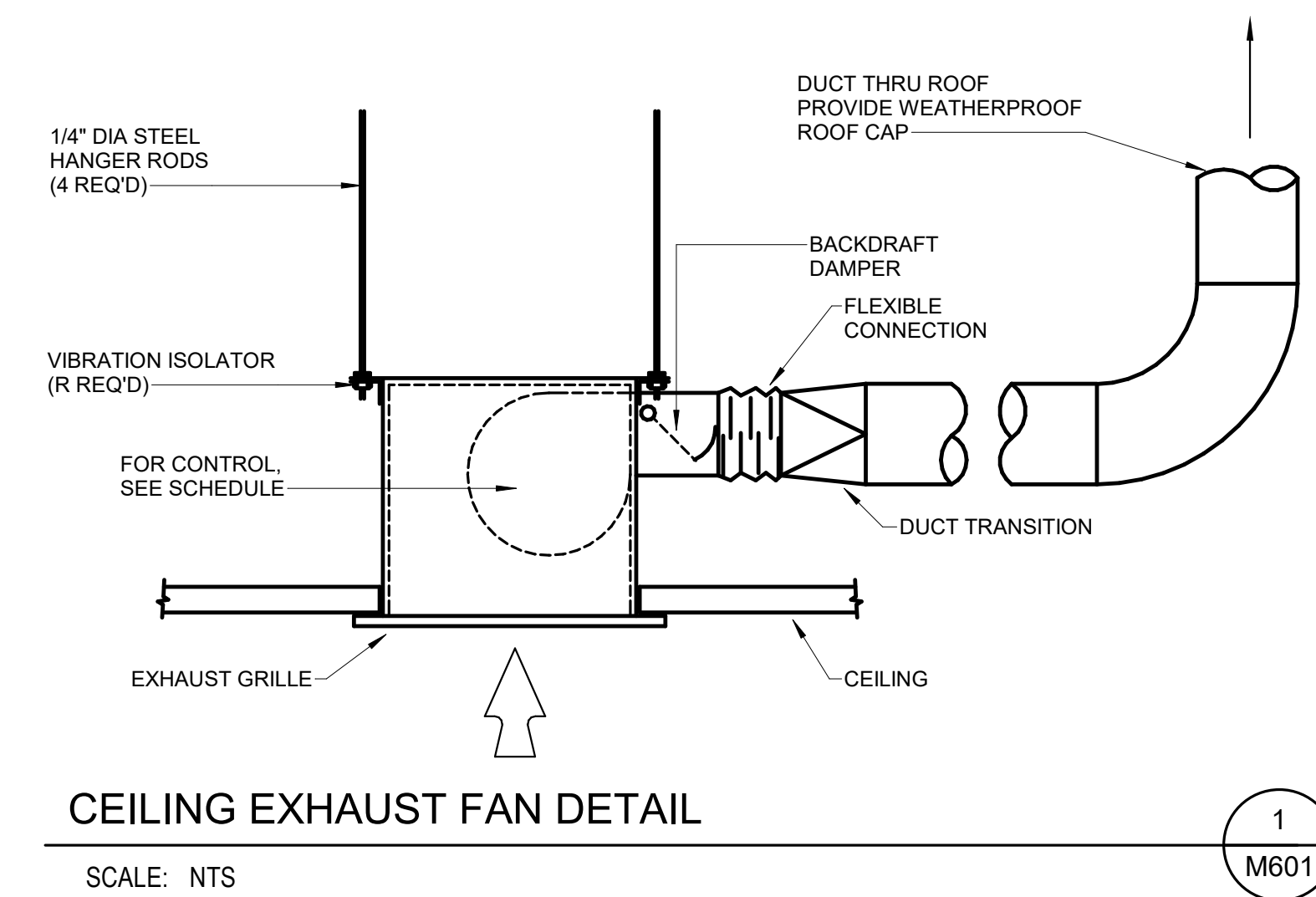
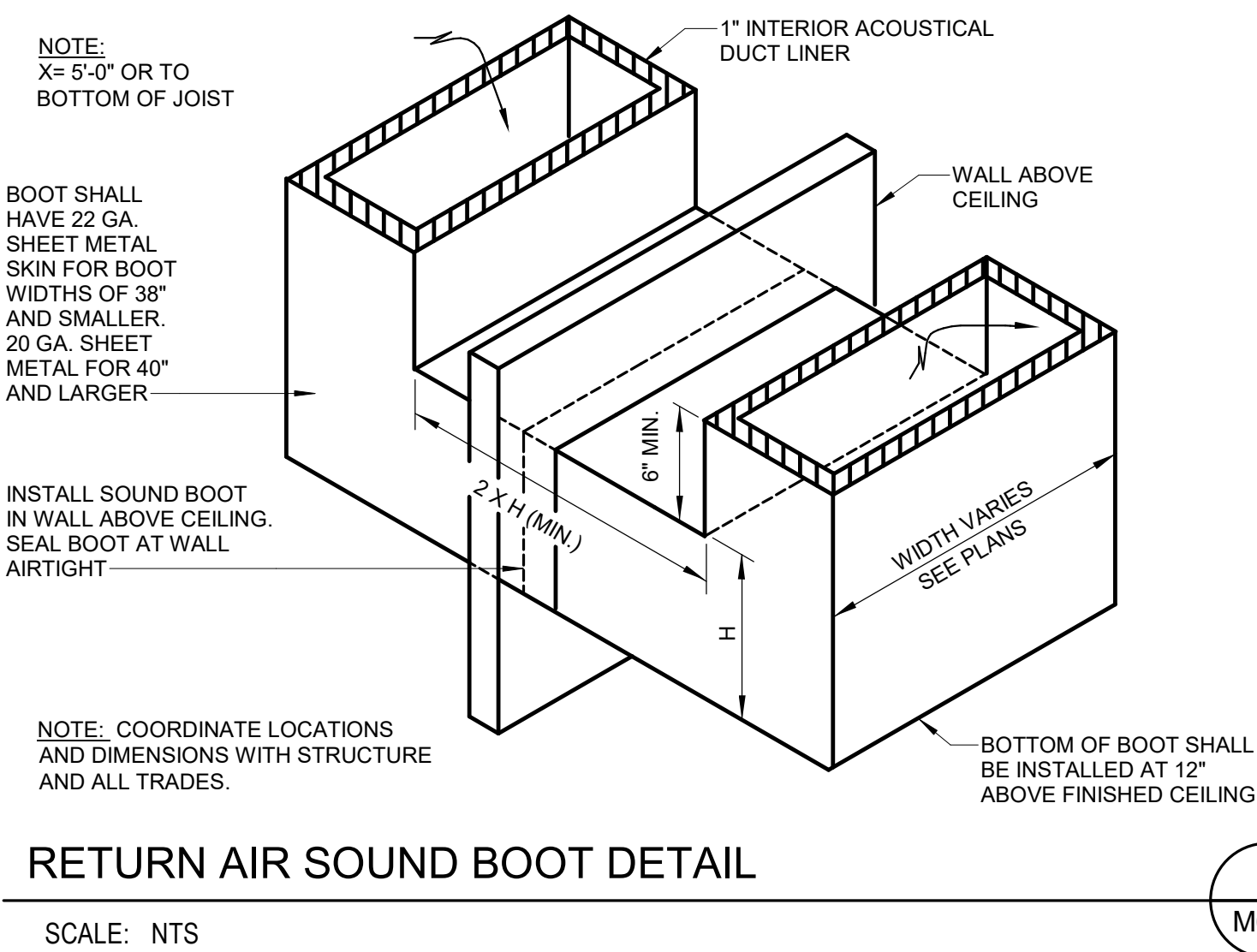
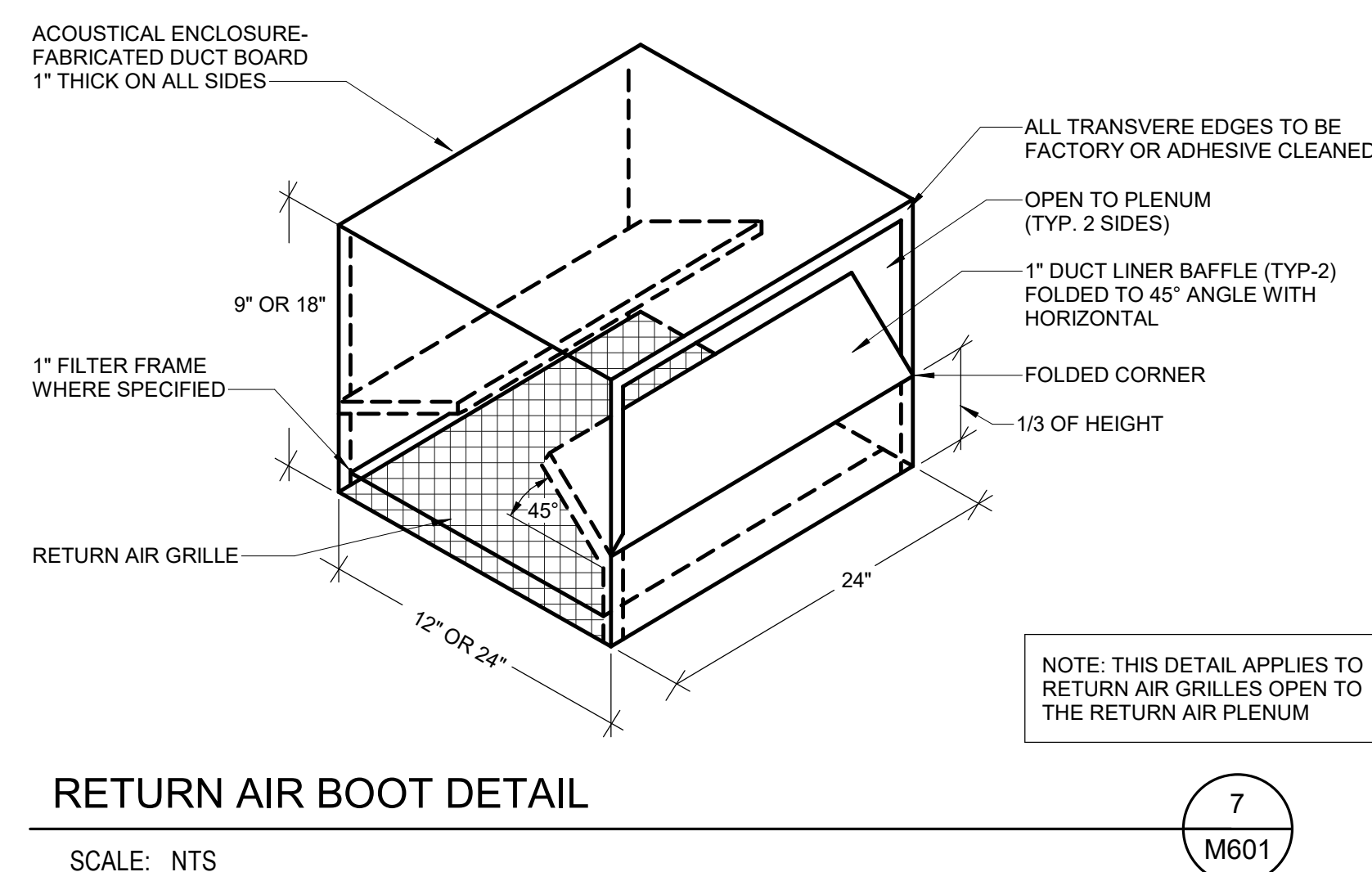
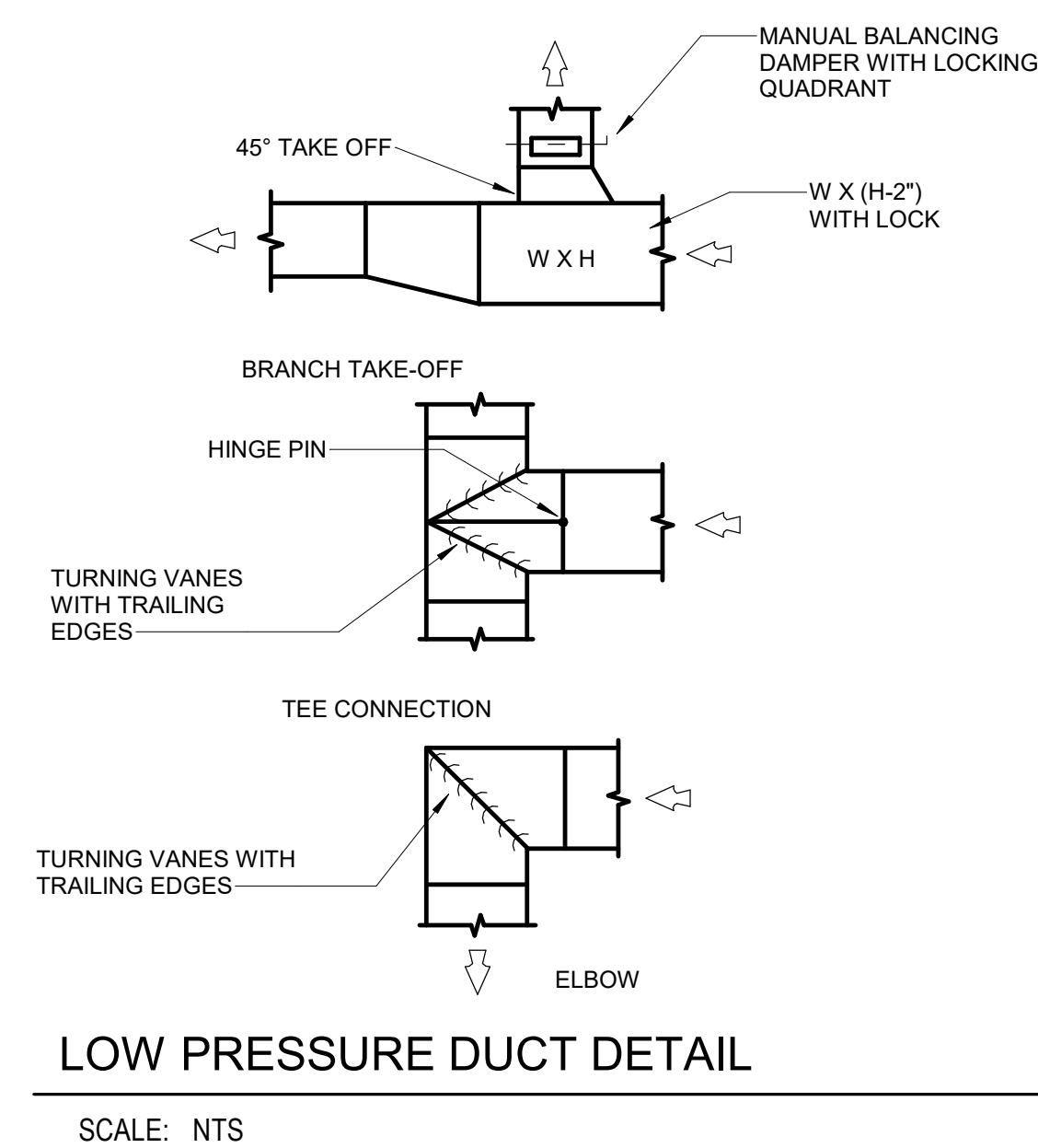
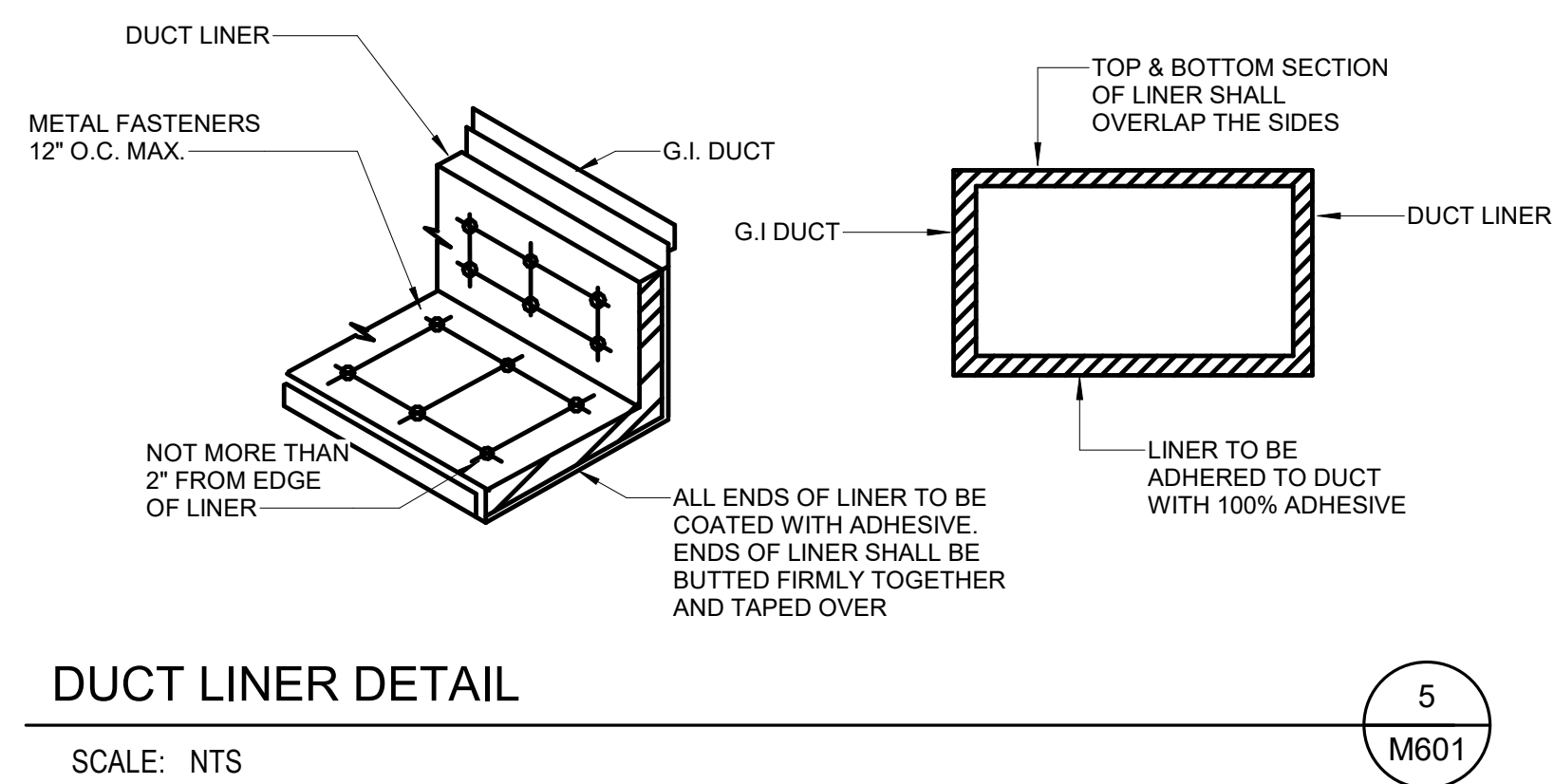
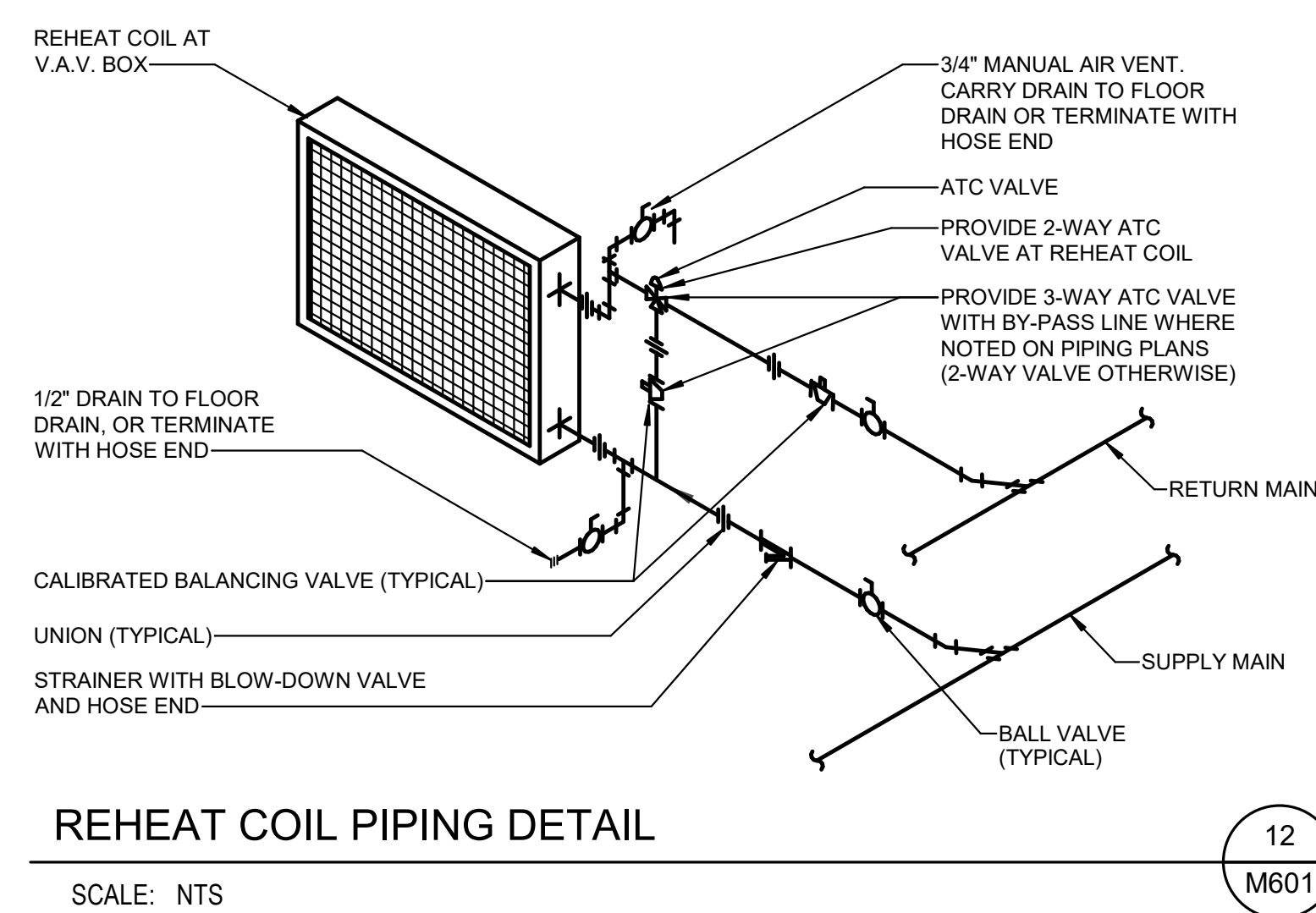
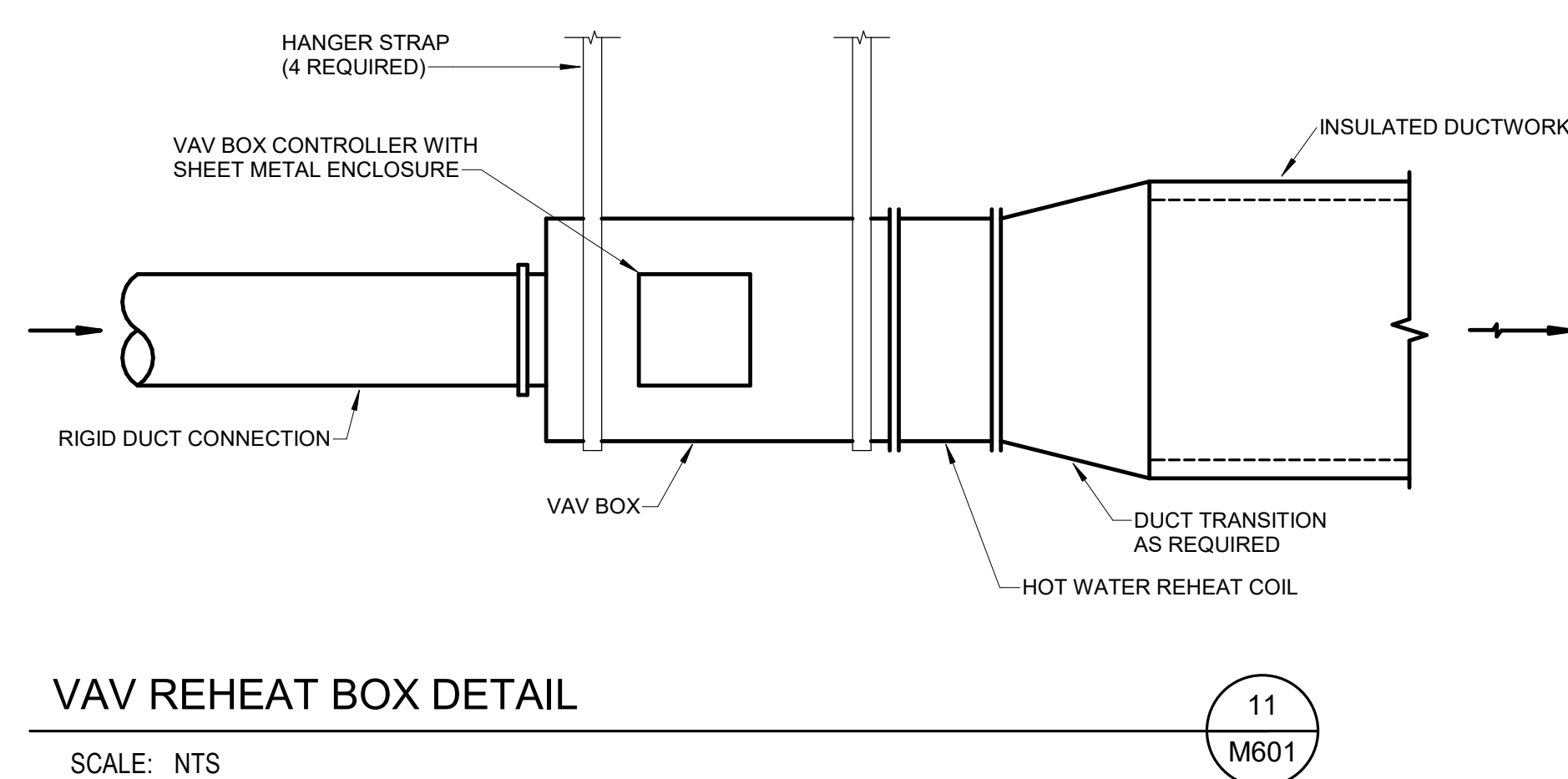
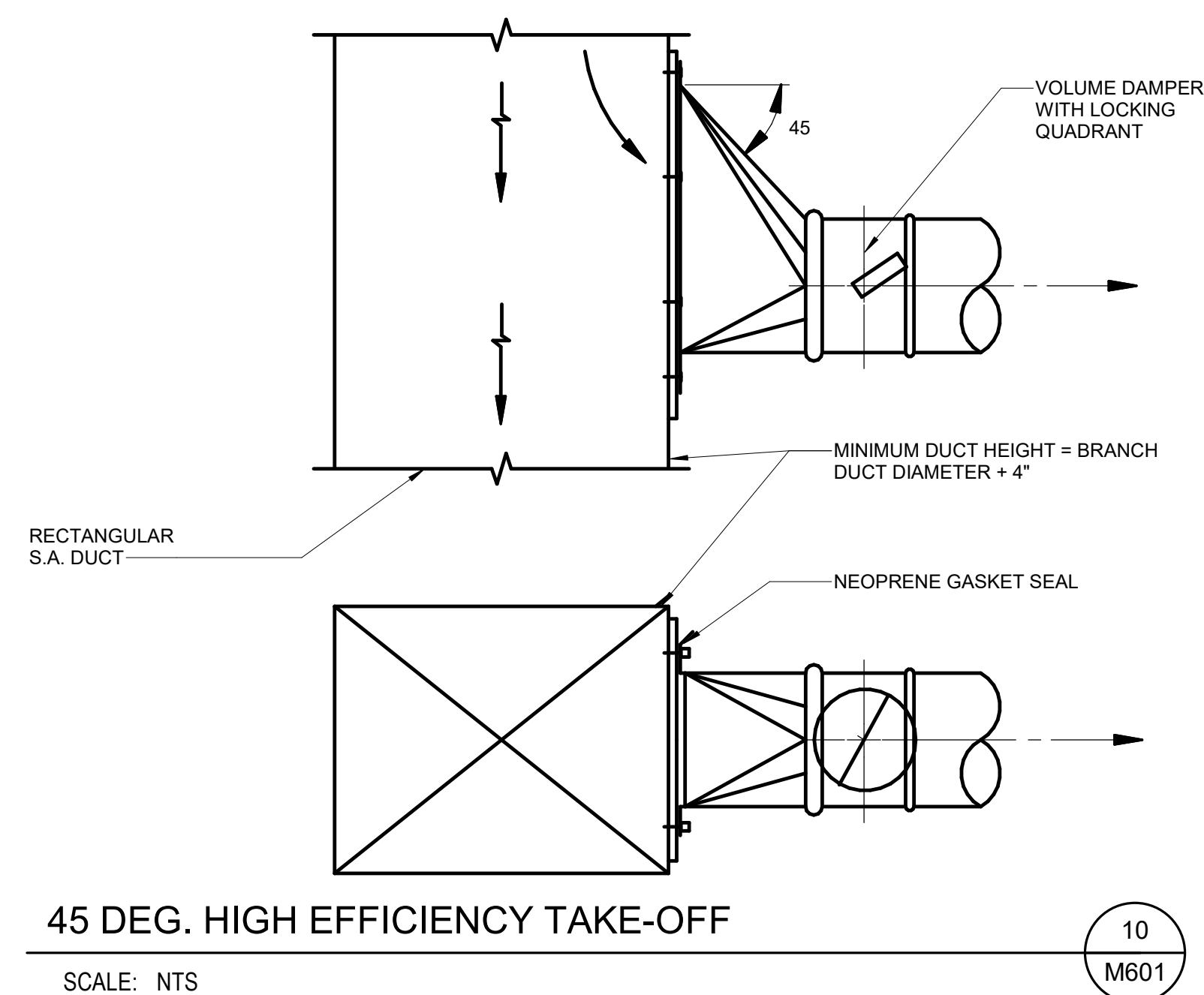
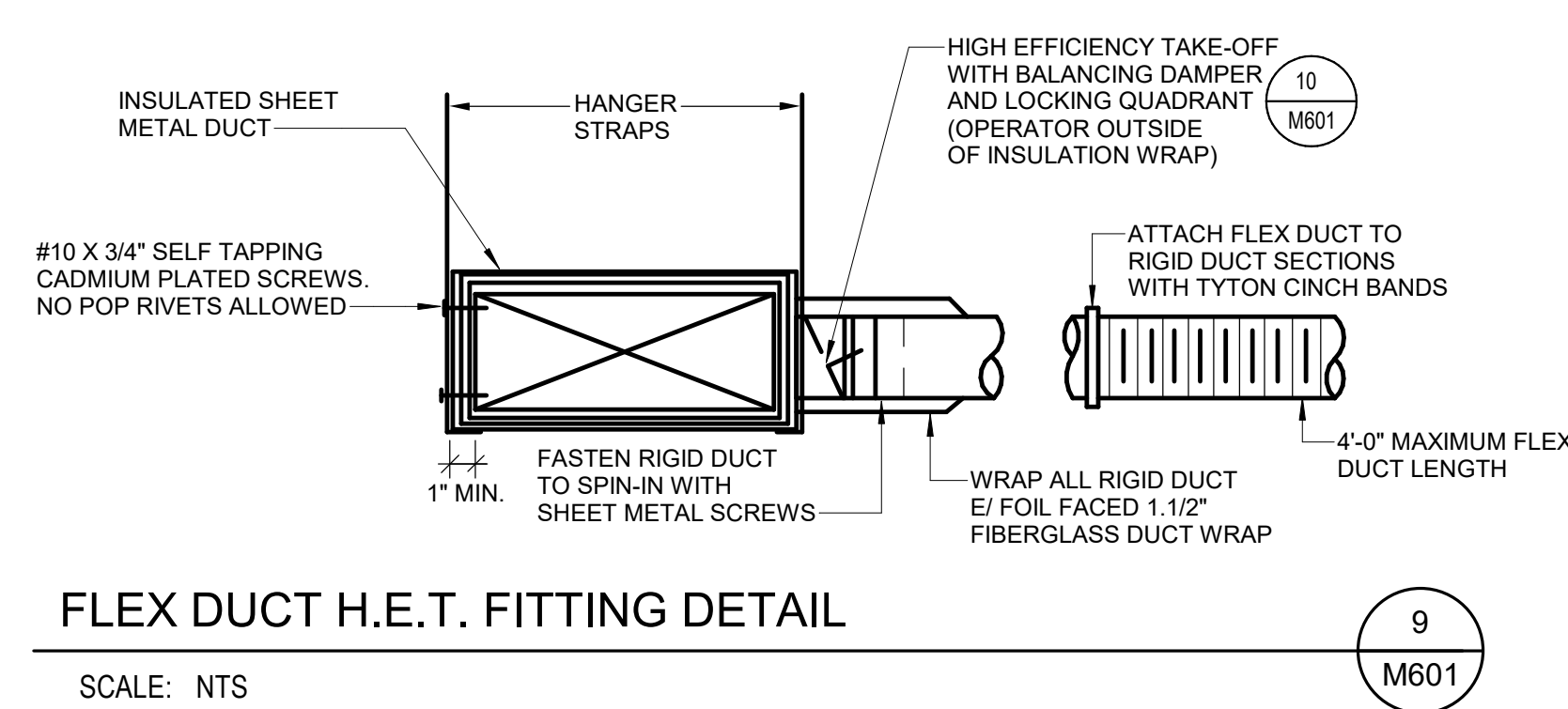
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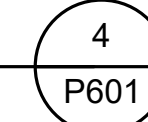
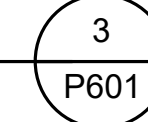
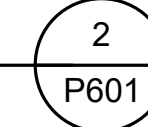
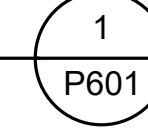
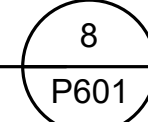
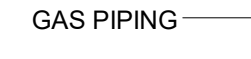
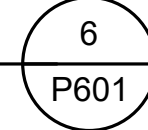
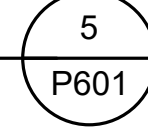
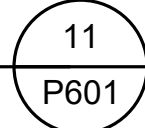
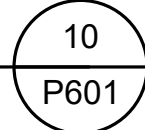
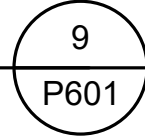
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LIGHTING SYMBOLS			
1. LIGHT FIXTURE SYMBOLS ARE GENERAL IN NATURE AND MAY BE SHOWN ON THE DRAWINGS IN VARIOUS SIZES AND SHAPES. REFER TO THE LIGHT FIXTURE SCHEDULE FOR SPECIFICATION INFORMATION.			
2. ARROWS INDICATE AIMING DIRECTION.			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ARM-MOUNTED SINGLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	ARM-MOUNTED DOUBLE-HEAD LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	POST-TOP SINGLE-HEAD, LIGHT FIXTURE AND POLE	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED FIXTURE	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT BOLLARD	AS SPECIFIED OR DETAILED	
	FLOOD LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL FIXTURE OR STEP LIGHT	AS SPECIFIED OR DETAILED	REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR MOUNTING HEIGHT
	LIGHT FIXTURES	AS SPECIFIED OR DETAILED	
	WALL-MOUNTED LINEAR LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	LINEAR WALL WASHER	AS SPECIFIED OR DETAILED	
	RECESSED DOWN LIGHT	AS SPECIFIED OR DETAILED	
	RECESSED WALL-WASHER OR DIRECTIONAL DOWNLIGHT	AS SPECIFIED OR DETAILED	
	SURFACE OR PENDANT-MOUNTED LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	TRACK OR MONO-POINT LIGHT FIXTURE	AS SPECIFIED OR DETAILED	
	WALL SCONCE	AS SPECIFIED OR DETAILED	
	LINEAR PENDANT LIGHT FIXTURE	CEILING	
	EGRESS LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EGRESS LIGHT FIXTURE. EGRESS LIGHT FIXTURES ARE HALF-SHADED DIAGONALLY.
	EMERGENCY (NON-EGRESS) LIGHT FIXTURE	AS SPECIFIED OR DETAILED	THIS IS AN EXAMPLE OF AN EMERGENCY (NON-EGRESS) LIGHT FIXTURE. EMERGENCY FIXTURES ARE FULLY-SHADED.
	CEILING MOUNTED EXIT SIGN	CEILING	DARKENED PORTION OF SIGN INDICATES FACE(S). ARROW(S) INDICATE CHEVRON DIRECTION(S).
	WALL-MOUNTED EXIT SIGN	WALL ABOVE DOOR	
	WALL-MOUNTED EXIT SIGN W/ EMERGENCY LIGHT FIXTURE	WALL ABOVE DOOR	
	CEILING MOUNTED IN USE SIGN	CEILING	
	WALL-MOUNTED IN USE SIGN	WALL ABOVE DOOR	
	TIME CLOCK		
	EMERGENCY LIGHT FIXTURE	AS NOTED	
	ELECTRIC PHOTOCELL	N/A	MOUNT ON ROOF FACING NORTH SKY
	LIGHT FIXTURE CALLOUT (LETTER DENOTES FIXTURE TYPE)		
FIRE ALARM SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	BEAM DETECTOR - TRANSMITTER	4" BELOW CEILING TO TOP OF DETECTOR	
	BEAM DETECTOR - RECEIVER	4" BELOW CEILING TO TOP OF DETECTOR	
	END OF LINE RESISTOR	PER MANUF. REC.	
	TAMPER SWITCH	AT VALVE	
	WATER FLOW INDICATOR	ON FIRE RISER	
	FIRE/SMOKE DAMPER		
	HEAT DETECTOR	CEILING	SUBSCRIPT INDICATES SPECIFIC REQUIREMENTS/NOTES.
	CARBON MONOXIDE DETECTOR		'S' DEVICE WITH SOUNDER BASE
	SMOKE DETECTOR		'R' DEVICE WITH ADDRESSABLE RELAY
	HEAT DETECTOR	WALL MOUNTED: MAX 12" FROM BOTTOM OF CEILING	'RES' DEVICE HAS 120V SMOKE ALARM W/ BATTERY BACKUP
	CARBON MONOXIDE DETECTOR		
	SMOKE DETECTOR		
	DUCT SMOKE DETECTOR	SIDE OF DUCT	
	FIRE ALARM MANUAL STATION		
	CONTROL MODULE	AT DEVICE(S) TO BE CONTROLLED	
	MONITOR MODULE	AT DEVICE(S) TO MONITOR	
	FAN SHUTDOWN RELAY	AT CONTROL PANEL	
	MAGNETIC DOOR HOLDER	COORDINATE WITH DOOR INSTALLER	COORDINATE WITH DOOR INSTALLER. SUBSCRIPT 'F' INDICATES TO MOUNT AT FLOOR LEVEL.
	WATER FLOOD CONTROL	FLOOR	
	AUDIO HORN	INDOOR - 96" FROM FINISH FLOOR TO TOP OF DEVICE	SUBSCRIPT 'WP' INDICATES THAT A WEATHER PROOF BACK BOX IS REQ.
	FIRE ALARM VISUAL STROBE		
	CONCEAL FIRE ALARM VISUAL STROBE		
	FIRE ALARM AUDIOVISUAL HORN/STROBE		
	CONCEAL FIRE ALARM AUDIOVISUAL HORN/STROBE		
	CEILING MOUNTED FIRE ALARM AUDIOVISUAL HORN/STROBE		
	CONCEAL CEILING MOUNTED FIRE ALARM AUDIOVISUAL HORN/STROBE		
	FIRE ALARM AUDIO SPEAKER		
	CEILING MOUNTED FIRE ALARM AUDIO SPEAKER		
	FIRE ALARM AUDIOVISUAL SPEAKER/STROBE		
	CONCEAL FIRE ALARM AUDIOVISUAL SPEAKER/STROBE		
	CONCEALED CEILING MOUNTED FIRE ALARM AUDIOVISUAL SPEAKER/STROBE		
	FIRE FIGHTERS TELEPHONE JACK	+48"	
	FIRE PROTECTION SPRINKLER RISER BELL	+90"	FURNISHED BY FIRE PROTECTION CONTRACTOR AND INSTALLED AND CONNECTED BY DIV. 26
	FIRE ALARM CONTROL PANEL		
	FIRE ALARM CONTROL PANEL		

WIRING DEVICE SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SPLIT-WIRED DUPLEX RECEPTACLE	+18"	
	SIMPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE	+18"	
	FOURPLEX RECEPTACLE	+18"	
	125/250V RECEPTACLE	+18"	RANGE - NEMA 14-50R DRYER - NEMA 14-30R
	GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE	+18"	
	GROUND FAULT CIRCUIT INTERRUPTER FOURPLEX RECEPTACLE	+18"	
	EMERGENCY DUPLEX RECEPTACLE	+18"	
	EMERGENCY FOURPLEX RECEPTACLE	+18"	
	DUPLEX RECEPTACLE W/ (2) 3.1A, 5VDC USB PORTS	+18"	
	MULTI-OUTLET ASSEMBLY	4" ABOVE BACKSPLASH	
	POWER / TELEPHONE POLE	FLOOR/CEILING	
	CORD DROP	REFER TO FLOOR PLANS	REFER TO DETAIL. REFER TO PLANS.
	CORD REEL	REFER TO FLOOR PLANS	REFER TO DETAIL. REFER TO PLANS.
	SPECIAL PURPOSE OUTLET	+18"	SUBSCRIPT IN PARENTHESIS INDICATES NEMA CONFIGURATION IF SHOWN. REFER TO DRAWINGS AND/OR EQUIPMENT SCHEDULES. CONFIRM EXACT CONFIGURATION WITH OWNER PRIOR TO INSTALLATION.
FLOOR BOX DEVICES			
SYMBOL	DESCRIPTION		
	FLOOR BOX - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION		
	PROVIDE 4" SQUARE DEEP OUTLET BOX AND ELECTRICAL CONNECTIONS TO SYSTEMS FURNITURE. COORDINATE SYSTEM FURNITURE WIRING REQUIREMENTS AND OUTLET BOX LOCATIONS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. WHIP FROM OUTLET BOX TO SYSTEMS FURNITURE TO BE PROVIDED BY SYSTEM FURNITURE INSTALLER.		
	PROVIDE BOX WITH GROMMETTED COVER PLATE FOR COMMUNICATION CABLING SIZE BOX PER NEC. COORDINATE PLACEMENT OF OUTLET BOXES IN WALLS AND COLUMNS WITH SYSTEM FURNITURE SUPPLIER/INSTALLER PRIOR TO ROUGH-IN. EXTEND CONDUIT WITH NYLON PULL ROPE TO ACCESSIBLE CEILING SPACE. REFER TO TELECOM RISER DIAGRAM FOR CONDUIT SIZING TERMINATE CONDUIT IN CEILING SPACE WITH A NYLON BUSHING.		
	POKE THROUGH - REFER TO SUBSCRIPT AND FLOOR BOX SCHEDULE FOR MORE INFORMATION.		
	MULTI-SERVICE POKE THRU WITH FURNITURE FEED CONNECTIONS. (POWER, COMMUNICATIONS AND HV)	MOUNTING FLOOR	
	"TOMBSTONE" (LEGRAND 525) OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (POWER ONLY)	FLOOR	
	"TOMBSTONE" (LEGRAND 525) OUTLET BOX WITH FURNITURE FEED CONNECTIONS. (COMMUNICATIONS ONLY)	FLOOR	
	ELECTRICAL POLE OUTLET	POLE	
LIGHTING CONTROLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH	+48"	SUBSCRIPT KEYS SWITCH TO FIXTURES CONTROLLED.
	DOUBLE-POLE TOGGLE SWITCH	+48"	
	THREE-WAY TOGGLE SWITCH	+48"	
	FOUR-WAY TOGGLE SWITCH	+48"	
	KEY-OPERATED SINGLE-POLE TOGGLE SWITCH	+48"	
	SINGLE-POLE TOGGLE SWITCH WITH PILOT LIGHT	+48"	
	DIMMER SWITCH	+48"	RATE DIMMER SWITCH FOR MAXIMUM POSSIBLE WATTAGE.
	TIMER SWITCH	+48"	
	OCCUPANCY SENSOR	+48"	REFER TO OCCUPANCY SENSOR SCHEDULE FOR MORE INFORMATION "F" SPECIFIES TYPE
	(2) SINGLE-POLE TOGGLE SWITCH	+48"	DUAL LEVEL SWITCH OUTBOARD LAMPS SEPARATELY FROM INDOOR LAMPS.
	LOW VOLTAGE SWITCH	+48"	REFER TO LOW VOLTAGE SWITCH SCHEDULE FOR MORE INFORMATION "F" SPECIFIES TYPE
	3-POSITION MOMENTARY CONTACT SWITCH	+48"	REFER TO DETAIL UP-ON, CENTER/NEUTRAL, DOWN-OFF
	3-POSITION MAINTAINED CONTACT SWITCH	+48"	UP-ON, CENTER-OFF, DOWN-ON
	OCCUPANCY SENSOR	CEILING	"F" LOWER CASE SPECIFIES ZONE "F" SPECIFIES TYPE
	DIGITAL DAYLIGHT SENSOR	CEILING	"F" LOWER CASE LETTER SPECIFIES ZONE "F" SPECIFIES THE FOOTCANDLE SETTING THE SENSOR SHALL BE SET TO
	WALL MOUNT GRAPHIC TOUCH PAD CONTROLLER	+48"	
	EMERGENCY CONTROLLER	ACCESSIBLE ABOVE CEILING	
	LOAD CONTROLLER	ACCESSIBLE ABOVE CEILING	
	POWER PACK	ACCESSIBLE ABOVE CEILING	
	ROOM CONTROLLER	ACCESSIBLE ABOVE CEILING	

GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
	KEYED NOTE		
	DETAIL REFERENCE	TOP NUMBER INDICATES DETAIL NUMBER. BOTTOM LETTER-NUMBER INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN. WHERE NOT SPECIFICALLY REFERENCED, DETAIL IS GENERAL IN NATURE AND SHALL APPLY WHERE APPLICABLE.	
	ELEVATION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER. BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.	
	SECTION REFERENCE	TOP NUMBER INDICATES ELEVATION NUMBER. BOTTOM LETTER-NUMBER INDICATES WHERE ELEVATION IS SHOWN.	
	ARCHITECTURAL ROOM NUMBER		
	EQUIPMENT NAME / NUMBER	TOP NUMBER ABBREVIATES EQUIPMENT NAME OR TYPE. BOTTOM NUMBER INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULE.	
	REVISION NUMBER	USED TO DENOTE CHANGES EITHER ISSUED BY ADDENDUM OR DURING CONSTRUCTION AND TO DENOTE RECORD DRAWING CHANGES.	
	REVISION CLOUD	USED TO DENOTE AREAS, DEVICES, EQUIPMENT DETAILS, ETC. AFFECTED BY THE REVISION.	
	BREAKLINE	USED TO BREAK DRAWINGS.	
	LIGHTING CONTROL WIRING DIAGRAM CALLOUT		
BRANCH CIRCUITING SYMBOLS			
SYMBOL	DESCRIPTION	REMARKS	
	BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
	BRANCH CIRCUITING (U.N.O.) CONTINUATION		
	CONDUIT STUB-IN	CAP AND MARK	
	INCOMING SERVICE		
	UNDERGROUND FEEDER		
	JUNCTION BOX	MOUNT AS NOTED. SUBSCRIPT "F" INDICATES TO PROVIDE A FLOOR BOX WITH BLANK COVERPLATE.	
	BRANCH CIRCUITING (U.N.O.) TURNED UP OR TOWARDS OBSERVER		
	BRANCH CIRCUITING (U.N.O.) TURNED DOWN OR AWAY FROM OBSERVER		
	2 CIRCUIT, BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
	3 CIRCUIT, 4 WIRE BRANCH CIRCUIT HOME RUN TO PANEL	ARROWS: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS REQUIRED.	
ELECTRONIC SYSTEM GENERAL SYMBOLS			
SYMBOL	DESCRIPTION	MOUNTING	REMARKS
	ELECTRONIC SYSTEM PANELBOARD (SURFACE MOUNT)	TOP AT 72"	ELECTRONIC SYSTEMS MAY INCLUDE BUT ARE NOT SPECIFICALLY LIMITED TO, TELEPHONE, DATA, TELEVISION, LIGHTING CONTROL, CLOCKS, FIRE ALARM, ACCESS CONTROL, SECURITY, CCTV, SOUND SYSTEM, NURSE CALL, OR INTERCOM.
	ELECTRONIC SYSTEM PANELBOARD (FLUSH MOUNT)	TOP AT 72"	
	ELECTRONIC SYSTEM TERMINAL BOARD	TOP AT 72"	
	TWO POST DATA RACK		
	FOUR POST DATA RACK		
	FLOOR MOUNTED DATA CABINET		
	LARGE DATA CABINET		
	WALL MOUNTED DATA CABINET		

ELECTRICAL SYMBOL SCHEDULE GENERAL NOTES			
1. MOUNT ALL OUTLETS, DEVICES, AND EQUIPMENT AT HEIGHTS INDICATED BELOW, UNLESS NOTED OTHERWISE ON THE DRAWINGS. UNLESS NOTED OTHERWISE, HEIGHTS ARE GIVEN FROM FINISHED FLOOR TO CENTER OF OUTLET BOX.			
2. WHERE OUTLETS, DEVICES, AND EQUIPMENT ARE NOTED BY SUBSCRIPTS, REFER TO ABBREVIATION SCHEDULE FOR DEFINED REQUIREMENTS.			
3. WHERE OUTLETS, DEVICES AND EQUIPMENT ARE NOTED BY THE SUBSCRIPT 'A', MOUNT AT 4" ABOVE COUNTER. IF COUNTER HAS A BACK SPLASH, MOUNT AT 4" ABOVE BACK SPLASH. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS AND COORDINATE WITH CASEWORK SUPPLIER.			
4. NOT ALL ELECTRICAL SYMBOLS MAY BE USED.			
ABBREVIATION SCHEDULE			
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.			
A	ABOVE COUNTER	LSI	LONG-TIME, SHORT-TIME INSTANTANEOUS
ACC	AMP OR AMPS	LSG	LONG-TIME, SHORT-TIME INSTANTANEOUS GROUND FAULT
ADJ	ADJACENT	LTG	LIGHTING
AF	ABOVE FINISHED FLOOR	MBJ	MAIN BONDING JUMPER
AHJ	AUTHORITY HAVING JURISDICTION	MCA	MINIMUM CIRCUIT AMPS
AL	ALUMINUM	MCB	MAIN CIRCUIT BREAKER
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUGS ONLY
AUX	AUXILIARY	MV	MEDIUM VOLTAGE
AWG	AMERICAN WIRE GAUGE	MW	MICROWAVE
BAS	BUILDING	NC	NORMALLY CLOSED
BLDG	BUILDING	NEC	NATIONAL ELECTRIC CODE
C	CONDUIT	NEC	NOT IN CONTRACT
CB	CIRCUIT BREAKER	NL	NIGHT LIGHT
CCT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	OC	ON CENTER(S)
CO	CONVENIENCE OUTLETS	OCP	OVER CURRENT PROTECTION
COMM	COMMUNICATIONS	OCPO	OVER CURRENT PROTECTION DEVICE
CU	COPPER	PA	PUBLIC ADDRESS
DAS	DISTRIBUTED ANTENNA SYSTEM	PH	PHASE
E	EACH	PV	PHOTOVOLTAIC
EA	EACH	PWR	POWER
EG	EQUIPMENT GROUND	QTY	QUANTITY
ECC	EQUIPMENT GROUNDING CONDUCTOR	R	REMOVE
ELEC	ELECTRICAL	REF	REFRIGERATOR
EM	EMERGENCY	REQ	REQUIREMENTS
ENT	ELECTRIC METALLIC TUBING	RGC	RIGID GALVANIZED METALLIC CONDUIT
EXT	ELECTRIC NONMETALLIC TUBING	RMC	RIGID METAL CONDUIT
EQUIP	EQUIPMENT	RMP	ROCKY MOUNTAIN POWER
EWC	ELECTRIC WATER COOLER	RNC	RIGID NONMETALLIC CONDUIT
EXP	EXPLOSION PROOF	RR	REMOVE AND RELOCATE
FA	FIRE ALARM	S	SURFACE MOUNTED
FACP	FIRE ALARM CONTROL PANEL	SBJ	SYSTEM BONDING JUMPER
FLA	FULL LOAD AMPS	SCP	SECURITY CONTROL PANEL
FMC	FLEXIBLE METAL CONDUIT	SFL	SUB-FEED LUGS
FO	FIBER OPTIC	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SS	SURGE SUPPRESSION
FTL	FEED-THROUGH LUGS	SSBJ	SUPPLY SIDE BONDING JUMPER
GEC	GROUNDING ELECTRODE CONDUCTOR	TGB	TELECOMMUNICATION GROUNDING BUS BAR
GRD	GROUND CONDUCTOR	TGBB	TELECOMMUNICATION MAIN GROUNDING BUS BAR
H	HOSPITAL GRADE	TR	TAMPER RESISTANT
HOA	HAND-OFF AUTO	TTB	TELEPHONE TERMINAL BOARD
HF	HAND-OPERATED	TYP	TYPICAL
HZ	HORIZONTALLY MOUNTED	UF	UNDER FLOOR
IBT	INTER-SYSTEM BONDING TERMINATION BAR	UG	UNDERGROUND
ID	INTRUSION DETECTION	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	USB	UNIVERSAL SERIAL BUS
IMC	INTERMEDIATE METAL CONDUIT	VSS	VIDEO SURVEILLANCE SYSTEM
INS	INSULATED	W/	WITH
ISO	ISOLATED	WO	WITHOUT
KCMIL	KILO CIRCULAR MIL	WP	WEATHER PROOF
KVA	KILO VOLT AMPERES	WR	WEATHER RESISTANT
KW	KILOWATTS	XFR	TRANSFORMER
LFC	LIQUID-TIGHT NONMETAL CONDUIT		
LS	LONG-TIME, SHORT-TIME		
SHEET INDEX			
EG001	GENERAL NOTES AND SYMBOLS LISTS		
EG002	SYMBOLS LISTS		
ED100	OVERALL ELECTRICAL DEMOLITION FLOOR PLAN		
ED101	CLASSROOM ADDITION DEMOLITION PLAN - BID ALT 1		
ED102	ADMIN DEMOLITION ELECTRICAL PLAN		
ED103	COUNSELING DEMOLITION ELECTRICAL PLAN		
ED701	EXISTING ONE-LINE DIAGRAM		
ED801	EXISTING PANEL SCHEDULES		
ES101	SITE PLAN ELECTRICAL		
EL101	CLASSROOM ADDITION LIGHTING PLAN - BID ALT 1		
EL102	ADMIN LIGHTING PLAN		
EL103	COUNSELING LIGHTING PLAN		
EL601	LIGHT FIXTURE SCHEDULE		
EP101	CLASSROOM ADDITION POWER PLAN - BID ALT 1		
EP102	ADMIN POWER FLOOR PLAN		
EP103	COUNSELING POWER FLOOR PLAN		
EP121	PARTIAL ROOF POWER PLAN		
EP701	EQUIPMENT SCHEDULES AND ONE-LINE DIAGRAM - POWER		
EP801	PANEL SCHEDULES		
EY101	CLASSROOM ADDITION SYSTEMS PLAN - BID ALT 1		
EY102	ADMIN SYSTEMS PLAN		
EY103	COUNSELING SYSTEMS PLAN		
EY701	FIRE RISER DIAGRAM HORN ALARM SYSTEM		
EY702	ACCESS CONTROL, DOOR ROUGH-IN DETAILS		
EY703	ACCESS CONTROL, DOOR ROUGH-IN DETAILS		
EA101	ADMIN AUDIO VISUAL PLAN		
EA102	CLASSROOM ADDITION AUDIO VISUAL PLAN - BID ALT 1		
EA103	COUNSELING AUDIO VISUAL FLOOR PLAN		
EI101	ADMIN INTERCOM PLAN		



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ENGINEERING
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SALT LAKE CITY, UT 84115
P (801) 534-1130
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1
OVERALL ELECTRICAL DEMOLITION
FLOOR PLAN
SCALE: 1/16" = 1'-0"

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

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

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

GENERAL DEMOLITION NOTES:

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

KEYED NOTES

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



MHTN
ARCHITECTS
MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 585-6700
www.mhtn.com



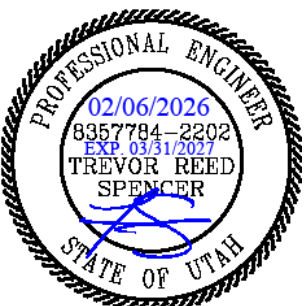
ENV-2023-208.3

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

ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

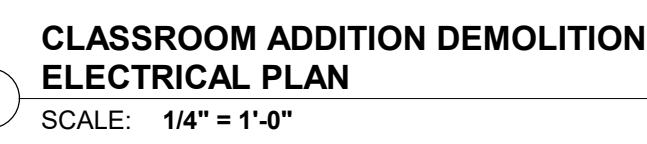
SHEET NAME

OVERALL
ELECTRICAL
DEMOLITION
FLOOR PLAN

SHEET NUMBER

ED100

RETURN TO INDEX



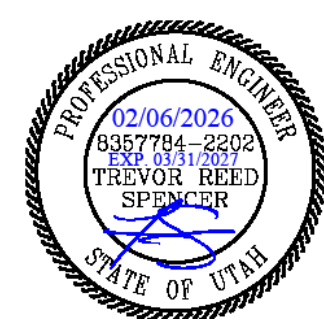
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1. UNLESS SPECIFICALLY NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN IN DARK AND DASHED LINES. LIGHT AND SOLID ITEMS ARE TO REMAIN. DEMOLITION ITEMS ARE SHOWN TO GIVE A BASIC DESCRIPTION OF THE LOCATION OF DEMOLITION WORK, BUT MAY NOT BE INCLUSIVE. PROVIDE DEMOLITION WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
 - A. DISCONNECT AND REMOVE ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK WHETHER SHOWN OR NOT.
 - B. RELOCATE, REWIRE, AND/OR RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
 - C. LEAVE ALL EXISTING FIXTURES, DEVICES, EQUIPMENT, ETC. IN PORTIONS OF THE BUILDING NOT BEING REMODELED. IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC.
 - D. REMOVE AND DISPOSE OF ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED. TERMINATE AT ACCESSIBLE JUNCTION BOX BY PROVIDING PROPER BULK-OUT CLOSURE. TAPE CONDUCTORS, LABEL AS "SPARE" WITH CIRCUIT NO., ZONE NO. OR OTHER CHARACTERISTIC IDENTIFYING SOURCE.
 - E. EXISTING RACEWAYS MAY BE REUSED, IF IN PLACE, WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. UPGRADE OR REPLACE ANY DEFECTIVE CONDUIT SUPPORTS WHERE NECESSARY FOR ALL RACEWAYS BEING REUSED. ENSURE INTEGRITY OF EXISTING RACEWAYS BEFORE REUSE.
 - F. CONCEAL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. THE USE OF WIREMOLD IS PERMITTED ONLY WHERE SPECIFICALLY NOTED ON DRAWING.
 - G. DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
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ENGINEERING
240 E. MORRIS AVE. SUITE 200
SALT LAKE CITY, UT 84115
P (801) 534-1130
www.envisioneng.com

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SEAI



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. Δ	DATE	DESCRIPTION
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100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

ISSUE
CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS
DATE: 02/27/2013

06 FEBRUARY 2026

SHEET NAME

CLASSROOM

CLASSROOM

ADDITION

ADDITION

DEMOLITION PLAN

DEMOLITION YEAR

BID ALT 1

DID YOU KNOW?

SHEET NUMBER

FD101

FD-101

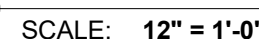
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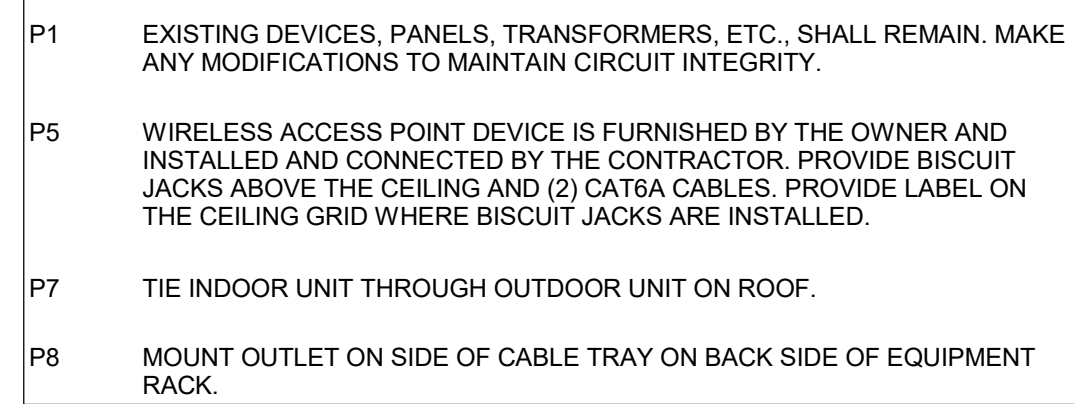


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PANELBOARD SCHEDULE															
PANEL NAME: WA3				(EXISTING)	VOLTAGE: 208Y/120	MAINS TYPE: M.L.O				SPD: NONE					
MOUNTING: SURFACE					PHASE: 3	BUS MATERIAL: COPPER				NEUTRAL: 100% RATED					
ENCLOSURE: NEMA 1					WIRE: 4	BUS RATING: 225 AMPS				BRANCH OCP TYPE: ISOLATED GROUND					
DOOR STYLE: STANDARD					MIN. A.I.C. RATING: 10KA	MCB RATING: NONE									
KEYED NOTE	CIRCUIT DESCRIPTION	BREAKER AMPS	LOAD POLE	OCT #	CONNECTED LOAD/PHASE (VA)			OCT #	LOAD TYPE	BREAKER AMPS	LOAD POLE	OCT #	CIRCUIT DESCRIPTION	KEYED NOTE	
9	EXISTING BRANCH CIRCUIT	20	1	1	900	1,080		2	20	1		2	CENTER COURT BASKETS	9	
9	EXISTING BRANCH CIRCUIT	20	1	3			720	1,080	4	20	1		4	WALL BASKETS	9
9	HAND DRYER	20	1	5				1,080	6	15	3		6	BLEACHERS	9
9	HAND DRYER	20	1	7	1,080	1,440			8	-	-		8	-	9
9	HAND DRYER	20	1	9			1,080	1,080	10	-	-		10	-	9
9	HAND DRYER	20	1	11				1,260	1,080	12	30	2	12	CLASSROOM STOVE TOP	9
9	SPARE	20	1	13	1,080	1,260			14	-	-		14	-	9
9	EXISTING BRANCH CIRCUIT	20	1	15			1,080	1,080	16	20	1		16	EXISTING BRANCH CIRCUIT	9
9	SPARE	20	1	17				1,080	900	18	20	1	18	EXISTING BRANCH CIRCUIT	9
9	SPARE	20	1	19	1,080	900			20	20	1		20	NORTH GYM & COACH OFF. CO	9
9	LOCKER ROOMS GFCI	20	1	21			1,080	0	22	60	2		22	CLASSROOM EAST OVEN/STOVE	9
9	OVEN 1	50	2	23				720	1,440	24	-	-	24	-	9
9	OVEN 2	-	-	25	0	0			26	20	1		26	EXISTING BRANCH CIRCUIT	9
9	OVEN 2	50	2	27			0	0	28	50	2		28	EXISTING BRANCH CIRCUIT	9
				29				0	30	-	-		30	-	
TOTAL CONNECTED LOAD PER PHASE (VA)					8,820	7,200	8,640								
TOTAL ESTIMATED DEMAND LOAD PER PHASE (VA)					8,820	7,200	8,640								
TOTAL ESTIMATED DEMAND LOAD PER PHASE (AMPS)					74	60	72								
TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS										
P	SUB-PANEL	SUB-PANEL LOADS BROKEN OUT BY LOAD CLASSIFICATION BELOW													
R	RECEPTACLES	-	-	-	TOTAL CONNECTED LOAD: 24,660 VA										
L	LIGHTING	-	-	-	25% OF LARGEST MOTOR										
C	CONTINUOUS	-	-	-	TOTAL ESTIMATED DEMAND LOAD: 24,660 VA										
E	EQUIPMENT	-	-	-	TOTAL ESTIMATED DEMAND BALANCED CURRENT: 68 AMPS										
M	MOTOR	-	-	-	MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 74 AMPS										
K	KITCHEN	-	-	-											
	OTHER	24,660 VA	100%	24,660 VA											

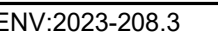
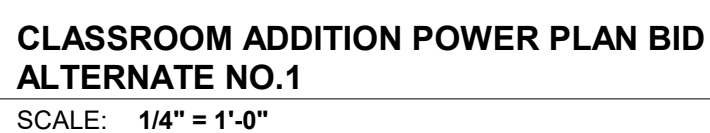
PANELBOARD SCHEDULE															
PANEL NAME: SA				(EXISTING)	VOLTAGE: 208Y/120	MAINS TYPE: M.L.O				SPD: NONE					
MOUNTING: SURFACE					PHASE: 3	BUS MATERIAL: COPPER				NEUTRAL: 100% RATED					
ENCLOSURE: NEMA 1					WIRE: 4	BUS RATING: 225 AMPS				BRANCH OCP TYPE:					
DOOR STYLE: STANDARD					MIN. A.I.C. RATING: 10KA	MCB RATING: NONE				ISOLATED GROUND:					
KEYED NOTE	CIRCUIT DESCRIPTION	BREAKER AMPS	LOAD POLE	OCT. TYPE	CONNECTED LOAD/PHASE (VA)			OCT. TYPE	LOAD AMPS	BREAKER POLE	CIRCUIT DESCRIPTION			KEYED NOTE	
9	CLASSROOM NEXT TO STARR LAB CO	20	1	1	900	1,080		2	20		COMPUTER LAB OUTLETS	9			
9	STAR LAB POWER POLE & PROJECTOR	20	1	3		720	1,080	4	20	1	COMPUTER LAB OUTLETS	9			
9	STAR LAB POWER POLE	20	1	5			1,080	6	20	1	COMPUTER LAB OUTLETS	9			
9	MATH RM WEST & STAR LAB EAST CO	20	1	7	1,080	1,440		8	20	1	COMPUTER LAB OUTLETS	9			
9	STAR LAB NORTH WALL OUTLETS	20	1	9		1,080	1,080	10	20	1	COMPUTER LAB OUTLETS	9			
9	MATH RM OUTLETS & PROJECTORS	20	1	11			1,260	12	20	1	LIBRARY OUTLET (ENTRY)	9			
9	LIBRARY OUTLET & MATH ROOM AREA	20	1	13	1,080	1,260		14	20	1	TEACHERS PREP OUTLETS	9			
9	LIBRARY OUTLET - COUNTER AREA	20	1	15		1,080	1,080	16	20	1	TEACHERS PREP OUTLETS	9			
9	TEACHERS PREP & LIBRARY OUTLETS	20	1	17			1,080	18	20	1	TEACHERS PREP & LOUNGE OUTLETS	9			
9	OFFICE	20	1	19	1,080	900		20	20	1	HAND DOORS / IS	9			
9	OFFICE / SEC'D ED OUTLETS	20	1	21		1,080	0	22	20	1	SPARE				
9	COMPUTER LAB LIGHTS	20	1	23			720	24	20	1	COMPUTER LAB OUTLETS	9			
9	STARR LAB POWR POLE	20	1	25	0	0		26	30	3	SPARE				
9	STARR LAB POWR POLE	20	1	27		0	0	28	-	-	-				
9	STARR LAB POWR POLE	20	1	29			0	30	-	-	-				
9	FIRE ALARM	20	1	31	0	0		32	20	1	SPARE				
9	VAV TRANS	20	1	33			0	34	20	1	SPARE				
9	POTTERY WHEEL	20	2	35			0	36	20	1	SPARE				
		-	-	37	0	0		38	20	1	STARR LAB OUTLET (HIGH ON WALL)	9			
		-	-	39			0	40	20	1	SPACE				
	SPACE	20	1	41			0	0	20	1	SPACE				
	SPACE	20	1	42			0	0	20	1	SPACE				
TOTAL CONNECTED LOAD PER PHASE (VA)					8,820	7,200	8,640								
TOTAL ESTIMATED DEMAND LOAD PER PHASE (VA)					8,820	7,200	8,640								
TOTAL ESTIMATED DEMAND LOAD PER PHASE (AMPS)					74	60	72								
TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS										
P	SUB-PANEL	SUB-PANEL LOADS BROKEN OUT BY LOAD CLASSIFICATION BELOW													
R	RECEPTACLES	-	-	-	TOTAL CONNECTED LOAD: 24,660 VA										
L	LIGHTING	-	-	-	25% OF LARGEST MOTOR										
C	CONTINUOUS	-	-	-	TOTAL ESTIMATED DEMAND LOAD: 24,660 VA										
E	EQUIPMENT	-	-	-	TOTAL ESTIMATED DEMAND BALANCED CURRENT: 68 AMPS										
M	MOTOR	-	-	-	MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 74 AMPS										
K	KITCHEN	-	-	-											
	OTHER	24,660 VA	100%		24,660 VA										

PANELBOARD SCHEDULE																
PANEL NAME: SAM				(EXISTING)	VOLTAGE: 208Y/120	MAINS TYPE: M.L.O				SPD: NONE						
MOUNTING: SURFACE					PHASE: 3	BUS MATERIAL: COPPER				NEUTRAL: 100% RATED						
ENCLOSURE: NEMA 1					WIRE: 4	BUS RATING: 225 AMPS				BRANCH OCP TYPE:						
DOOR STYLE: STANDARD					MIN. A.I.C. RATING: 10KA	MCB RATING: NONE				ISOLATED GROUND:						
KEYED NOTE	CIRCUIT DESCRIPTION	BREAKER AMPS	LOAD POLE	OCT #	CONNECTED LOAD/PHASE (VA)			OCT #	LOAD TYPE	BREAKER AMPS	LOAD POLE	OCT #	CIRCUIT DESCRIPTION	KEYED NOTE		
9	EF-08	20	1	1	167	4,803		2	20	1		2	TIME CLOCK POWER	9		
9	EF-05, EF-06, EF-07	20	1	3		359	4,803	4	20	1		4	OUTSIDE LIGHTS	9		
9	EF-12, EF-13	20	1	5			240	6	20	1		6	FRONT OUTSIDE LIGHTS	9		
9	CUH-2	20	1	7	33	5,577		8	20	1		8	AHU-1 CONTROL	9		
9	EC-1	20	1	9		430	5,577	10	20	1		10	OUTSIDE LIGHTS	9		
9	LIBRARY NORTH POLE OUTLETS	20	1	11			1,500	12	20	1		12	LIBRARY POLE OUTLETS	9		
9	LIBRARY SOUTH MIDDLE POLE	20	1	13	1,000	1,440		14	20	1		14	MECHANICAL ROOM LITES & HALL LIGHTS	9		
9	LIBRARY SOUTH POLE	20	1	15			0	16	20	1		16	LTS LIBRARY OFFICE & CO SERVER RM	9		
9	LIBRARY NORTH MIDDLE POLE	20	1	17			0	18	20	1		18	TEACHERS PREP AREA LIGHTS	9		
9	EXISTING BRANCH CIRCUIT	20	1	19	0	0	0	20	20	1		20	MARQUEE	9		
9	TEACHERS PREP COPIER	20	1	21		0	0	22	25	1		22	OUTSIDE LIGHTS	9		
9	LIBRARY EXAP COOLER	20	1	23			0	24	20	1		24	SPARE			
9	AHU - LIBRARY	70	3	25	0	0	0	26	20	2		26	SERVER UPS	9		
	-	-	-	27				28	-	-		28	-			
	-	-	-	29			0	30	20	1		30	EXISTING BRANCH CIRCUIT	9		
TOTAL CONNECTED LOAD PER PHASE (VA)					13,020	12,819	13,475									
TOTAL ESTIMATED DEMAND LOAD PER PHASE (VA)					13,020	12,819	13,475									
TOTAL ESTIMATED DEMAND LOAD PER PHASE (AMPS)					109	107	112									
TYPE	LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS											
R	SUB-PANEL	SUB-PANEL LOADS				BROKEN OUT BY LOAD CLASSIFICATION BELOW				TOTAL CONNECTED LOAD: 39,314 VA						
P	RECEPTACLES	-	-	-							25% OF LARGEST MOTOR					
L	LIGHTING	-	-	-												
C	CONTINUOUS	-	-	-							TOTAL ESTIMATED DEMAND LOAD: 39,314 VA					
E	EQUIPMENT	-	-	-							TOTAL ESTIMATED DEMAND BALANCED CURRENT: 109 AMPS					
M	MOTOR	-	-	-							MAXIMUM ESTIMATED DEMAND PHASE CURRENT: 112 AMPS					
K	KITCHEN	-	-	-												
	OTHER	39,314 VA	100%		39,314 VA											



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.

1. NO EXPOSED COMMUNICATIONS CONDUIT ALLOWED IN BUILDING UNLESS APPROVED IN ADVANCED BY OWNER/ARCHITECT.
2. ALL TELECOMMUNICATIONS OUTLETS SHALL BE LABELED IN ACCORDANCE WITH TIA/EIA 606-B LABELING SHALL BE PROVIDED AT BOTH THE OUTLET AND THE TERMINATING END IN THE COMMUNICATIONS ROOM.
3. ALL DATA OUTLETS SHALL COMPLY WITH TIA/EIA 568 - 1, AND TIA/EIA 568-B, AND BE WIRED IN ACCORDANCE WITH TIA/EIA 568-C-2.
4. ALL CONDUIT FOR TELECOMMUNICATIONS PURPOSES SHALL BE EMT AND SHALL BE SIZED IN ACCORDANCE WITH TIA/EIA 568-D. MINIMUM CONDUIT SIZE FOR ANY TELECOMMUNICATIONS 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 CONDUITS IN THE FIELD. THIS PLAN REPRESENTS A SCHEMATIC REPRESENTATION OF DEVICE LOCATIONS. CONDUIT, AND CABLE TRAY RUNS.
6. PROVIDE 48 PORT PATCH PANELS AS REQUIRED PLUS 25% SPARE CAPACITY FOR FUTURE.
7. PROVIDE SURGE PROTECTION FOR CABLE QUANTITY AS REQUIRED FOR ALL COPPER CABLEING ENTERING BUILDING.
8. ALL EQUIPMENT, CABINETS, WIRE MANAGEMENT, ETC. IS PROVIDED BY CONTRACTOR UNLESS NOTED OTHERWISE.
9. PROVIDE TALLER WALL MOUNTED CABINET AS NECESSARY FOR REMOTE TRS BASED UPON TOTAL RACK UNITS (RU) SPACE REQUIRED.
10. LU1 = LIGHT INTERFACE UNIT.

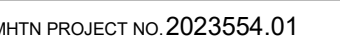


SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES

525 North 100 East, Blanding, Utah 84511

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

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

▲	DATE	DESCRIPTION

NO.Δ	DATE	DESCRIPTION

CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

00 FEBRUARY 2020

SHEET NAME

CLASSROOM

ADDITION POWER

ADDITION POWER

PLAN - BID AIT 1

LEARN DIDACTIC

SHEET NUMBER

FD-101

FP101

ET 101

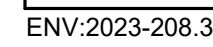
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[RETURN TO INDEX](#)

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6. PROVIDE 48 PORT PATCH PANELS AS REQUIRED PLUS 25% SPARE CAPACITY FOR FUTURE.
7. PROVIDE SURGE PROTECTION FOR CABLE QUANTITY AS REQUIRED FOR ALL COPPER CABLES ENTERING BUILDING.
8. ALL EQUIPMENT, CABINETS, WIRE MANAGEMENT, ETC. IS PROVIDED BY CONTRACTOR UNLESS NOTED OTHERWISE.
9. PROVIDE TALLER WALL MOUNTED CABINET AS NECESSARY FOR REMOTE TR'S BRED UPON TOTAL RACK UNITS (RU) SPACE REQUIRED.
10. LIU = LIGHT TIGHTENING 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 6" BELOW BOTTOM OF SLAB.
4. REFER TO ELEVATION VIEWS FOR MORE INFORMATION ON HEIGHTS, ORIENTATION AND LOCATION OF DEVICES.
5. ALL OUTLETS AND THEIR COVERPLATES, LOCATED IN THE CLASSROOMS, SHALL BE TAMPER PROOF TYPE.

P1	EXISTING DEVICES, PANELS, TRANSFORMERS, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
P2	TIE THE ADA OPERATOR TO THE CIRCUIT SHOWN THROUGH THE CARD ACCESS SYSTEM. REFER TO THE ACCESS CONTROL/ROUGH-IN DETAILS FOR ADDITIONAL INFORMATION.
P3	PROVIDE A POWER PACK FOR EACH WATER COOLER BRANCH CIRCUIT. PROGRAM POWER PACKS TO SWITCH OFF ELECTRIC WATER COOLERS AT 11:00 PM AND ON AT 8:00 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 BISCUIT JACKS ABOVE THE CEILING AND (2) CAT6A CABLES. ROUTE LABEL ON THE CEILING GRID WHERE BISCUIT JACKS ARE INSTALLED.
P12	FLOOR SHALL BE SAW CUT TO THE FRONT WALL WHERE THE MONITOR IS LOCATED. COORDINATE SAW CUTTING AND FLOOR REPAIR WITH THE GENERAL CONTRACTOR.

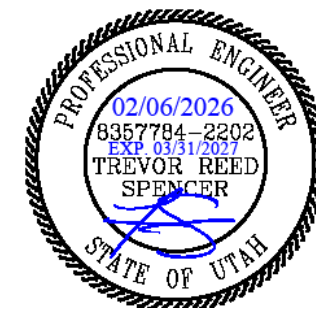


**SAN JUAN SCHOOL DISTRICT
ALBERT R LYMAN MIDDLE SCHOOL
SECURITY UPGRADES**

525 North 100 East, Blanding, Utah 84511

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MHTN PROJECT NO. 2023554.01

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NO.	DATE	DESCRIPTION
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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
ADMIN POWER
FLOOR PLAN

SHEET NUMBER

EP102

[RETURN TO INDEX](#)

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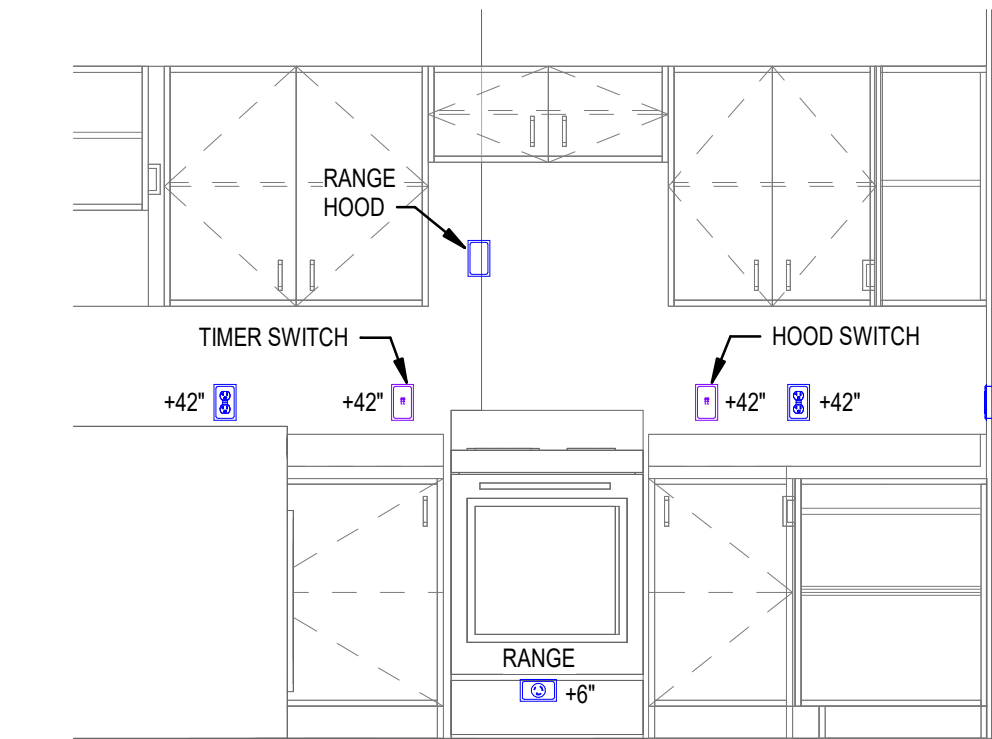
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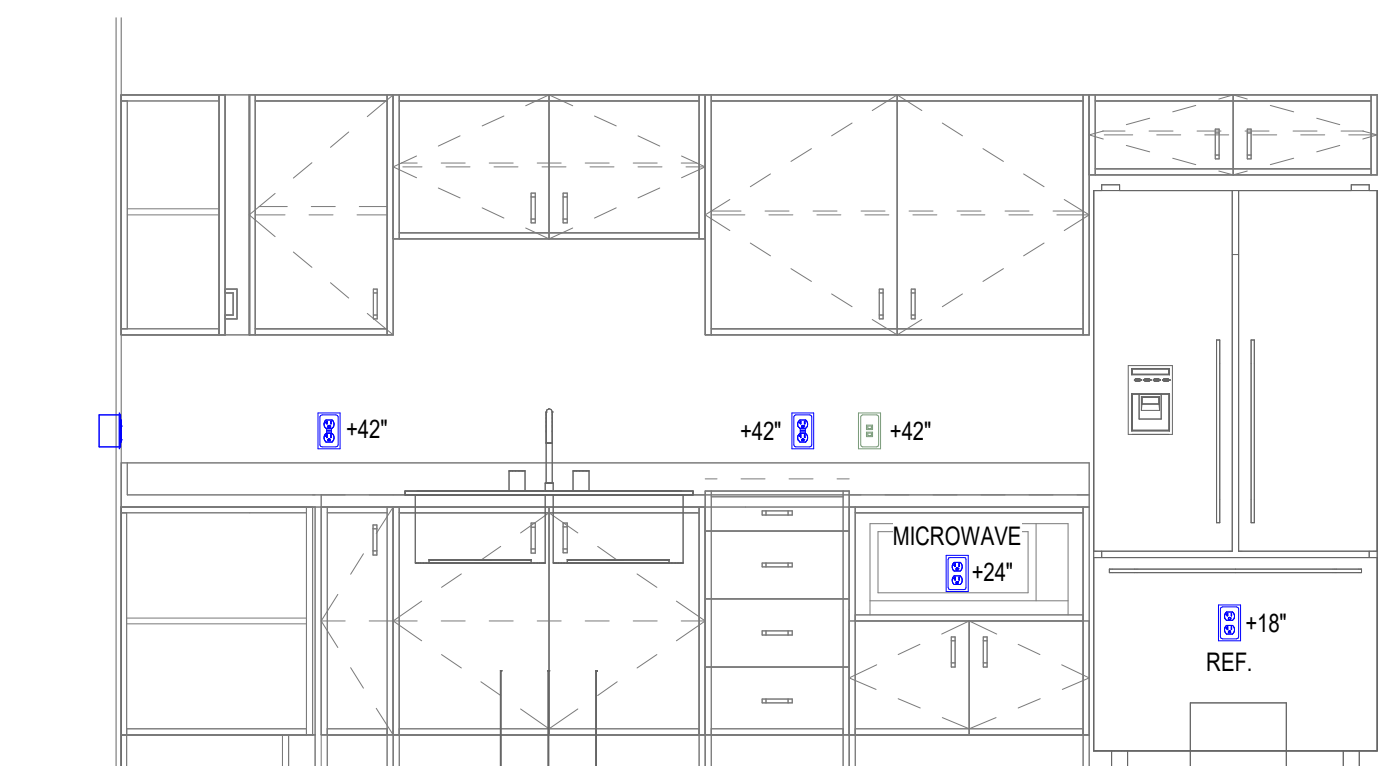
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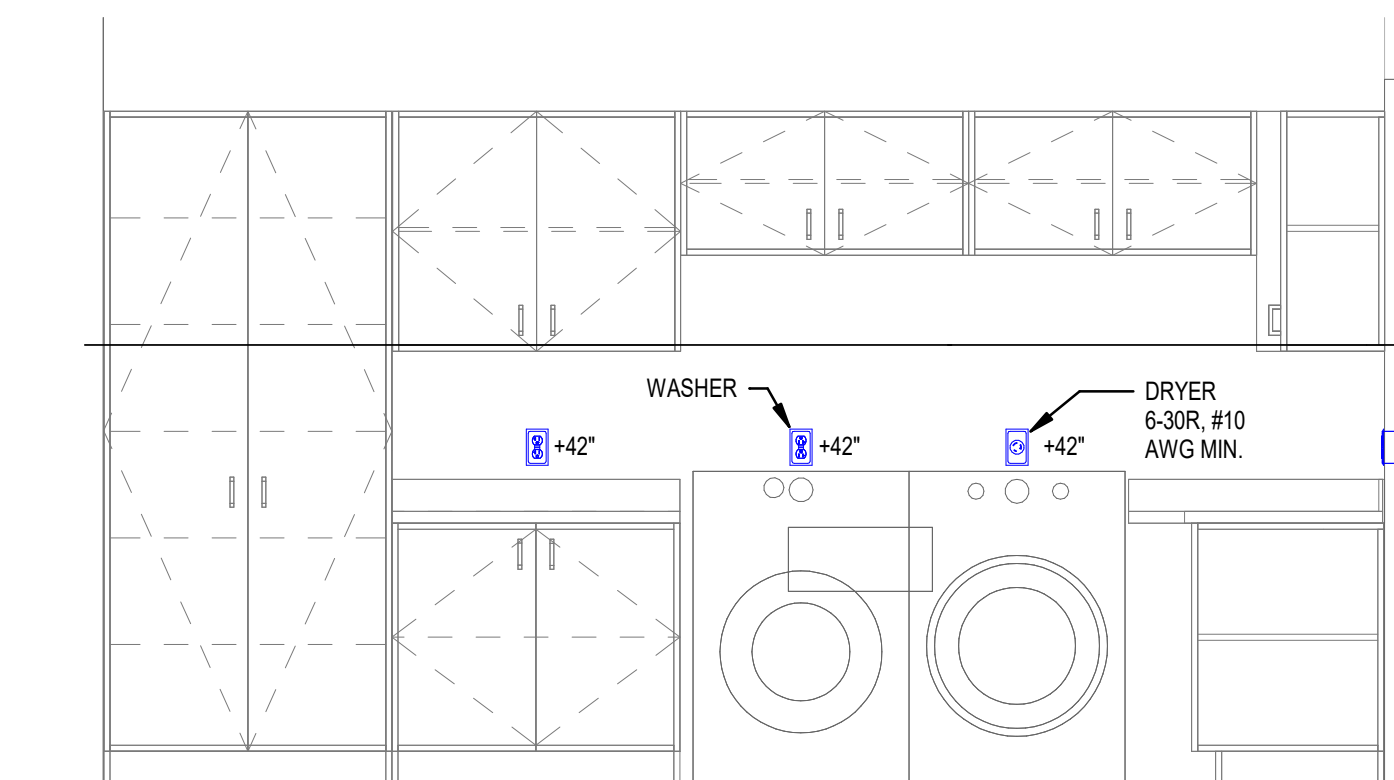
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4 WORKROOM EAST WALL ELEVATION
SCALE: 1/2" = 1'-0"



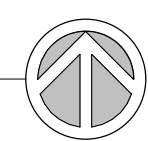
3 WORKROOM SOUTH WALL ELEVATION
SCALE: 1/2" = 1'-0"



2 WORKROOM NORTH WALL ELEVATION
SCALE: 1/2" = 1'-0"



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



TELECOMMUNICATION GENERAL NOTES:

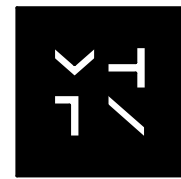
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POWER GENERAL NOTES:

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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.

KEYED NOTES

- P1 EXISTING DEVICES, PANELS, TRANSFORMERS, ETC., SHALL REMAIN. MAKE ANY MODIFICATIONS TO MAINTAIN CIRCUIT INTEGRITY.
- P9 PROVIDE INTERMATIC ST01, PROGRAMMABLE SWITCH OR PRIOR APPROVED EQUAL. PROVIDE CONTACTOR IN NEMA 1 ENCLOSURE ABOVE THE CEILING. TIE RANGE CIRCUIT THROUGH CONTACTOR FOR AUTOMATIC OPERATION. PROVIDE ALL WIRING REQUIRED BETWEEN SWITCH, RANGE AND CONTACTOR AS REQUIRED.
- P13 REPLACE EXISTING POWER/DATA DEVICES IN THE SAME LOCATION WITH TAMPER PROOF TYPE DEVICE AND COVER PLATE.



MHTN
ARCHITECTS
MHTN Architects, Inc.
280 South 400 West
Suite 250
Salt Lake City, Utah 84101
Telephone (801) 585-6700
www.mhtn.com



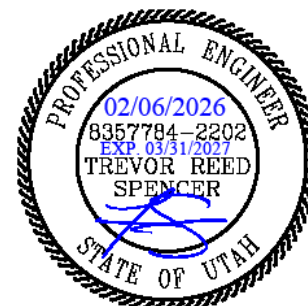
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SAN JUAN SCHOOL DISTRICT ALBERT R LYMAN MIDDLE SCHOOL SECURITY UPGRADES

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SEAL



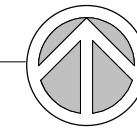
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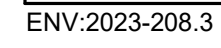
REVISIONS:
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

LAST REVISION DATE

NO. DATE DESCRIPTION



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525 North 100 East, Blanding, Utah 84511

SEAL

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

NO. Δ	DATE	DESCRIPTION
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ISSUE

SHEET NAME

E

EP121

[RETURN TO INDEX](#)

LOAD SUMMARY - EXISTING 120/208V, 1200 AMP, 3 PH.		
DESCRIPTION	LOAD (KVA)	LOAD (AMPS)
EXISTING LOAD (PEAK DEMAND)*	118.5	328.9
EXISTING LOAD X 1.25%	148.1	411.2
NEW ADDED LOADS (ADDITION)	42.6	118.2
TOTAL NEW SERVICE LOAD	190.7	529.3

* PEAK DEMAND VALUE WAS RECEIVED FROM POWER BILLS PROVIDED BY THE OWNER ON FEBRUARY 2024 AT 94.8KW. WE ARE ASSUMING 0.8 POWER FACTOR

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

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

MECHANICAL EQUIPMENT SCHEDULE																				
UNIT NAME		ELECTRICAL INPUT						FEEDER				STARTER / DISCONNECT / CONNECTION AT UNIT								
TYPE	No.	DESCRIPTION		LOAD	VOLTS	PHASE	AMPS	QTY	CONDUIT SIZE	WIRE SIZE	EQPT GND	NOTE	STARTER SIZE	OCP SIZE	POLES	DISCONNECT SIZE	POLES	ENCLOSURE	REMARKS	
AC	1	AC SPLIT SYSTEM	MCA	208 V	1	1 A	1	3/4"	2	12	12	1A				1 HP		NEMA 1		
AC	1	AC SPLIT SYSTEM - OUTDOOR	MCA	208 V	1	1 A	1	3/4"	2	10	10	1A		30	2		30	2	NEMA 3R	
EF	1	EXHAUST FAN	0.047	KVA	120 V	1	0.4 A	1	3/4"	2	12	12	1A				1 HP	1	NEMA 1	
EF	2	EXHAUST FAN	0.037	KVA	120 V	1	0.3 A	1	3/4"	2	12	12	1A				1 HP	1	NEMA 1	
EF	3	EXHAUST FAN	0.037	KVA	120 V	1	0.3 A	1	3/4"	2	12	12	1A				1 HP	1	NEMA 1	
RT	1	ROOFTOP UNIT	26	MCA	208 V	3	28 A	1	3/4"	3	10	12	10A		30	3			NEMA 3R	
RT	2	ROOFTOP UNIT	26	MCA	208 V	3	28 A	1	3/4"	3	10	12	10A		30	3	30	3	NEMA 3R	

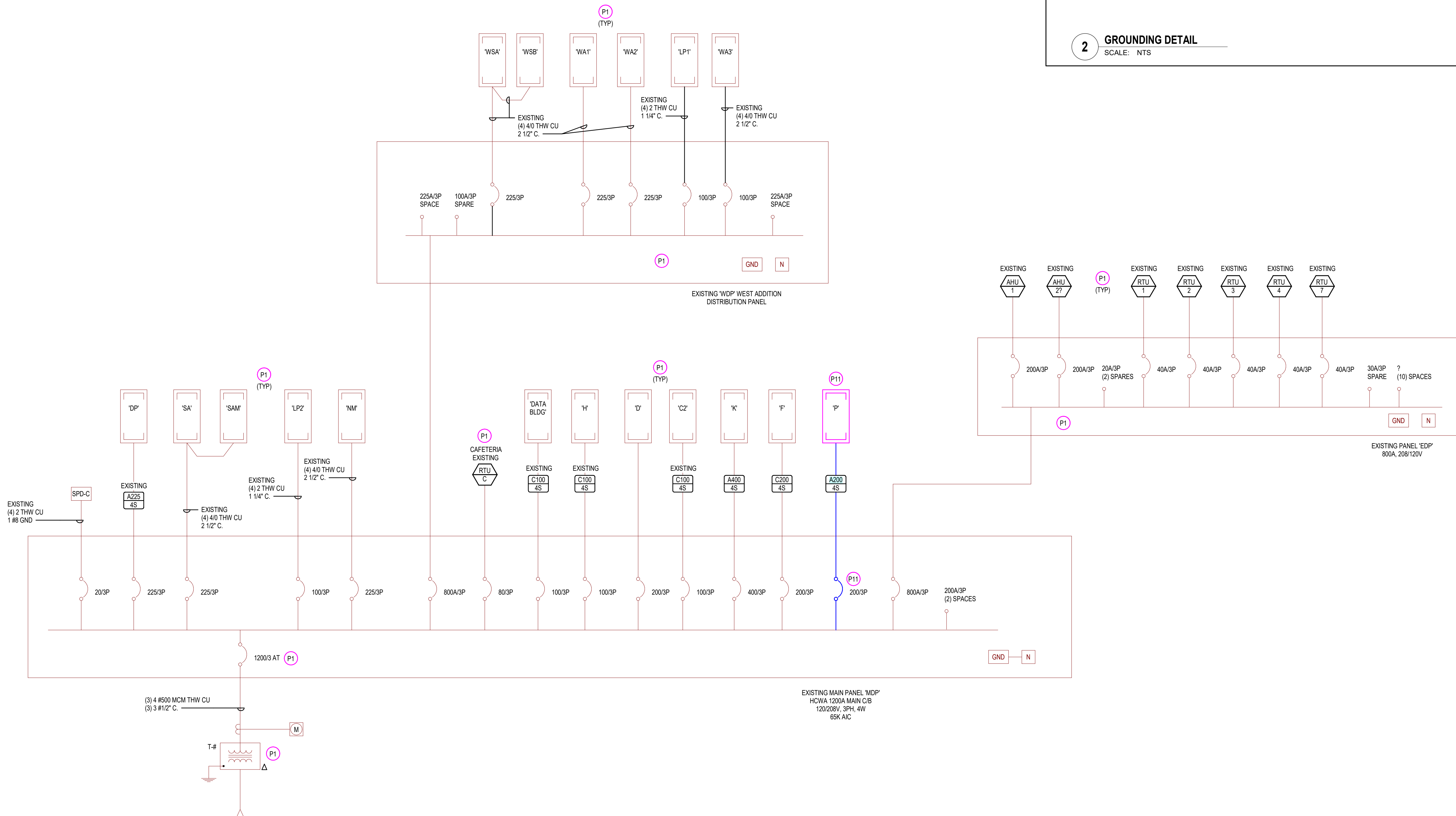
STARTER/DISCONNECT/CONNECTION AT UNIT NOTES:

- | | | |
|--|--|---|
| 1. MANUAL STARTER WITH THERMAL OVERLOAD | 11. BREAKER AND ENCLOSURE | A. FURNISHED, INSTALLED & CONNECTED UNDER DIVISION 26. |
| 2. MANUAL STARTER WITH THERMAL OVERLOAD PROTECTION & LOW VOLTAGE RELAY / CONTACTOR FOR A/C CONTROL | 12. DIRECT CONNECTION | B. FURNISHED & INSTALLED UNDER ANOTHER DIVISION REQUIRING CONNECTIONS UNDER DIVISION 26 |
| 3. COMBINATION MAGNETIC STARTER / FUSED DISCONNECT | 13. DUPLEX RECEPTACLE OUTLET | C. FURNISHED UNDER ANOTHER DIVISION BUT INSTALLED AND CONNECTED UNDER DIVISION 26 |
| 4. COMBINATION MAGNETIC STARTER / MOTOR CIRCUIT PROTECTOR (MCP) | 14. SPECIAL PURPOSE OUTLET | |
| 5. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP) | 15. SHUNT-TRIP DISCONNECT | |
| 6. COMBINATION VARIABLE FREQUENCY DRIVE / MOTOR CIRCUIT PROTECTOR (MCP) REDUCED VOLTAGE STARTER | 16. TOGGLE SWITCH | D. FURNISHED, INSTALLED & CONNECTED UNDER ANOTHER DIVISION |
| 7. COMBINATION TWO-SPEED STARTER / FUSED DISCONNECT | 17. MAGNETIC STARTER | E. FURNISHED BY OWNER, INSTALLED & CONNECTED BY DIVISION 26 |
| 8. COMBINATION TWO-SPEED STARTER / MOTOR CIRCUIT PROTECTOR (MCP) | 18. FUSED EVAPORATOR SWITCH | |
| 9. NON-FUSED DISCONNECT SWITCH | 19. PROVIDE EARLY-BREAK RELAY IN DISCONNECT WITH CONTROL WIRING BETWEEN VFD AND RELAY. | |
| 10. FUSED DISCONNECT SWITCH | | |

GENERAL NOTES:

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

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



GENERAL ONE-LINE NOTES:

- | | |
|----|--|
| 1. | THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE OWNER PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATING ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWINGS SUBMITTAL. |
| 2. | PROVIDE FULL LENGTH VERTICAL BUSSING IN ALL SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND PANELBOARDS. |
| 3. | COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES. |

SELECTIVE COORDINATION REQUIREMENTS:

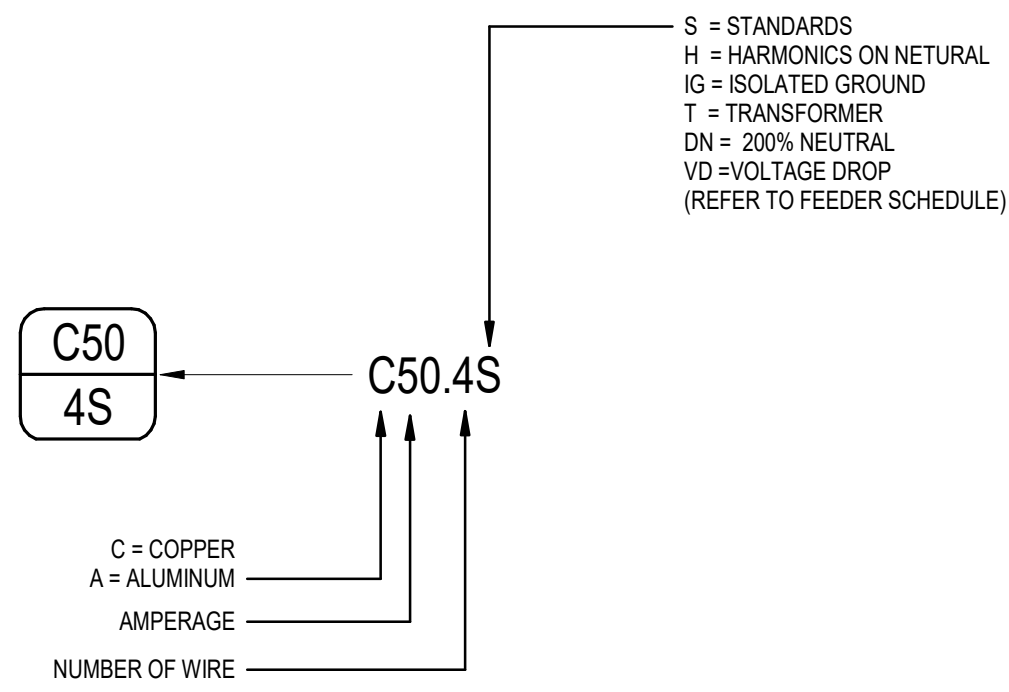
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|----|---|
| A. | <p>CONTRACTOR SHALL PROVIDE ALL OF THE FOLLOWING FOR EMERGENCY, LEGALLY REQUIRED STANDARD, OPTIONAL STANDBY, AND NORMAL POWER SYSTEMS:</p> <ul style="list-style-type: none"> a. FAULT CURRENT ANALYSIS. b. ARC-FLASH STUDY. c. SELECTIVE COORDINATION STUDY AND SETTINGS OF ALL ADJUSTABLE TRIP OVERCURRENT PROTECTION DEVICES. |
| B. | <p>THE POWER SYSTEMS MUST BE SELECTIVELY COORDINATED, DOWN TO THE SMALLEST OVERCURRENT PROTECTION DEVICE, TO THE FOLLOWING LEVELS:</p> <ul style="list-style-type: none"> a. NORMAL POWER SYSTEM TO EXTEND POSSIBLE. |
| C. | <p>CONTRACTOR SHALL PROVIDE ELECTRONIC SOLID STATE ADJUSTABLE TRIP (S) CIRCUIT BREAKERS, AND/OR CIRCUIT BREAKERS WITH LARGER FRAME SIZES AS NECESSARY TO ENSURE PROPER SELECTIVE COORDINATION. REFER TO SPECIFICATIONS FOR ADDITIONAL SELECTIVE COORDINATION REQUIREMENTS.</p> |
| D. | <p>A PRELIMINARY SELECTIVE COORDINATION STUDY AND DEVICE SETTINGS SHALL BE SUBMITTED FOR APPROVAL. NO ELECTRICAL EQUIPMENT SUBMITTAL SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SUBMITTING THE PRELIMINARY SELECTIVE COORDINATION STUDY AND DEVICE SETTINGS OF THE PROPOSED ELECTRICAL DISTRIBUTION EQUIPMENT AND ASSOCIATED OVERCURRENT DEVICES. THE STUDY SHALL BE SUBMITTED FOR REVIEW BY THE ELECTRICAL ENGINEER AND OWNER TO ENSURE CONFORMANCE TO THE CONSTRUCTION DOCUMENTS. NO ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE RELEASED UNTIL THE SELECTIVE COORDINATION STUDY SHOWS PROPER COORDINATION OF ALL SYSTEM ELEMENTS.</p> |
| E. | <p>AT THE END OF THE PROJECT A COMPREHENSIVE FAULT CURRENT, ARC-FLASH, AND SELECTIVE COORDINATION STUDY SHALL BE SUBMITTED TO THE OWNER. ALL ARC FLASH LABELS SHALL BE APPLIED TO ANY EQUIPMENT UNTIL THE STUDY IS REVIEWED AND ACCEPTED.</p> |
| F. | <p>ONCE PRELIMINARY SELECTIVE COORDINATION STUDY IS COMPLETED, THE WITHSTAND RATING FOR THE AUTOMATIC TRANSFER SWITCHES (ATS) SHALL BE COORDINATED WITH THE SPECIFIC BREAKERS FEEDING ATS THAT ARE PROVIDED.</p> |
| G. | <p>CONTRACTOR SHALL ADJUST PROTECTIVE DEVICE SETTINGS ACCORDING TO RECOMMENDED SETTINGS PROVIDED BY THE FINAL COORDINATION STUDY. FIELD ADJUSTMENTS SHALL BE COMPLETED BEFORE THE PUNCH LIST WALKTHROUGH.</p> |

FEEDER GENERAL NOTES:

- | | |
|----|---|
| 1. | CONTRACTOR SHALL REVIEW ONE-LINE DIAGRAM AND CONFIRM FEEDER WIRE SIZES. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO BID. IF DISCREPANCIES EXIST, CONTRACTOR MUST PROVIDE CORRECT WIRE SIZES BASED ON THE FEEDER SIZE AND ANY VOLTAGE DROP ADJUSTMENTS. SEE NEC 210.19, 215.2, 250.112, AND 310.15. |
| 2. | ALL GROUNDING WIRES SHOWN IN FEEDER SCHEDULE ARE COPPER WIRES. |
| 3. | ALL SYSTEM BONDING JUMPER CONDUCTORS SHOWN ARE TO BE RUN IN EACH PARALLEL FEEDER SET. |

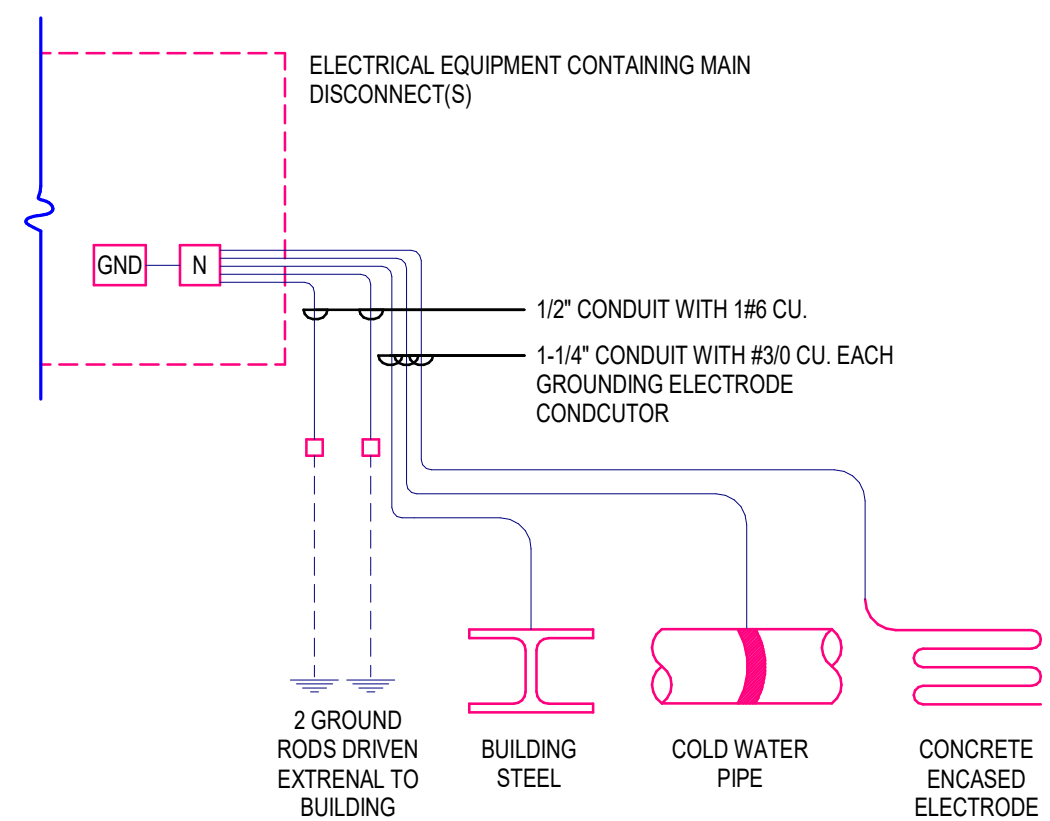
KEYED NOTES

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



FEEDER DETAIL

SCALE: NTS



2 GROUNDING DETAIL

SCALE: NTS

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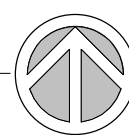
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PANELBOARD SCHEDULE																	
EXISTING PANEL: F										FEED FROM: MDP							
MOUNTING: SURFACE					VOLTAGE: 120/208 Wye					MAIN TYPE: L/O				SPD: NONE			
ENCLOSURE: NEMA 1					PHASE: 3					BUS RATING: 200 A				NEUTRAL RATING: 100%			
DOOR 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 TYPE	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			0 VA	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	--	--	--	--	9			
--	--	--	--	--	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							
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS									
EQUIPMENT		960 VA		100.00%		960 VA											
KITCHEN		17700 VA		65.00%		11505 VA		Total Conn. Load: 20190 VA									
LIGHTING		144 VA		125.00%		180 VA		25% OF LARGEST MOTOR:									
CO		900 VA		100.00%		900 VA		Total Est. Demand: 14153 VA									
LTG		486 VA		125.00%		608 VA		Total Conn. Current: 56 A									
								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 RECPT A102 & LOBBY A100	20	1	CO	1	1080 VA	0 VA		2	--	1	20 A	COMPUTER LAB CO	9			
10	CO COUNTER RECEPTION...	20	1	CO	3		720 VA	0 VA	4	--	1	20 A	COMPUTER LAB CO	9			
10	CO COUNTER RECEPTION...	20	1	CO	5			720 VA	6	--	1	20 A	COMPUTER LAB CO	9			
10	CO DISPLAY CONF. & MATH RM	20	1	CO	7	680 VA	0 VA		8	--	1	20 A	COMPUTER LAB CO	9			
10	CO NURSE. CONF. & W/C	20	1	CO	9		1080 VA	0 VA	10	--	1	20 A	COMPUTER LAB CO	9			
9	MATH RM CO & PROJ.	20	1	--	11			0 VA	12	--	1	20 A	LIBRARY CO (ENTRY)	9			
9	LIBRARY CO AND MATH RM CO	20	1	--	13	0 VA	0 VA		14	--	1	20 A	TEACHER PREP CO	9			
9	LIBRARY CO - COUNTER AREA	20	1	--	15		0 VA	0 VA	16	--	1	20 A	TEACHER PREP CO	9			
9	TEACHERS PREP & LIBRARY CO	20	1	--	17			0 VA	18	--	1	20 A	TEACHER PREP & LOUNGE CO	9			
10	CO WORKRM. RM A116 & ELEC	20	1	CO...	19	1760 VA	0 VA		20	--	1	20 A	HANDI DOOR 118	9			
10	CO SPD A112	20	1	CO...	21		900 VA	720 VA	22	CO	1	20 A	CO OFFICE A105	10			
9	COMPUTER LAB LTG	20	1	--	23			0 VA	24	--	1	20 A	COMPUTER LAB CO	9			
10	FLOOR BOX CONF. A109	20	1	CO	25	180 VA	0 VA		26	--	3	30 A	EXISTING BRANCH CIRCUIT	9			
10	CO CONF. A109 FRIDGE	20	1	K	27		1200 VA	0 VA	28	--	--	--		--			
9	EXISTING BRANCH	20	1	E; CO	29			1080 VA	0 VA	30	--	--		--			
9	EXISTING BRANCH	20	1	--	31	0 VA	1080 VA		32	E; CO	1	20 A	CO PRINCIPAL A106	10			
9	VAV TRANS	20	1	--	33		0 VA	1080 VA	34	E; CO	1	20 A	CO OFFICE A107	10			
9	POTTERY WHEEL	20	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	1	E	39		600 VA	540 VA	40	M; CO	1	20 A	CO DISPLAY VESTIBULE A100	8			
--	SPACE ONLY	--	--	--	41				--	--	0 VA	42	M	1	20 A	ADA OPERATOR ADMIN AREA	8
TOTAL CONNECTED LOAD PER PHASE (VA)						6280 VA	7207 VA		3436 VA								
TOTAL CONNECTED CURRENT PER PHASE (AMPS)						56 A	64 A		29 A								
LOAD CLASSIFICATION						CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS								
SQUIBENT						4620 VA	100.00%	143 VA	Total Conn. Load: 16923 VA								
EXHAUST FAN						131 VA	108.97%	143 VA	25% OF LARGEST MOTOR:								
KITCHEN						1200 VA	100.00%	1200 VA	Total Est. Demand: 17358 VA								
LIGHTING						54 VA	125.00%	68 VA	Total Conn. Current: 47 A								
Motor						0 VA	0.00%	0 VA	Total Est. Demand Current: 48 A								
RECEPTACLE						2340 VA	100.00%	2340 VA									
SMALL MOTOR						360 VA	112.50%	405 VA									
CO						6760 VA	100.00%	6760 VA									
CTG						1458 VA	125.00%	1823 VA									



Y1 EXISTING FIRE ALARM DEVICE SHALL REMAIN. MAKE ANY MODIFICATIONS
REQUIRED TO MAINTAIN CIRCUIT INTEGRITY.

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.

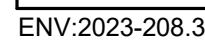
Y4 RELEASE OF THIS DOOR SHALL BE ACTUATED VIA AN INPUT FROM THE
DESK PUSH BUTTON.

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 8' 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 RACK 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 EY702 AND THE REFERENCED DETAILS. CARD
ACCESS SPECIFICATION, DOOR HARDWARE SCHEDULE, AND DOOR
HARDWARE SPECIFICATION FOR ADDITIONAL INFORMATION.

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 CIRCUITS 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. RELOCATE 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.



525 North 100 East, Blanding, Utah 84511

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

NO	DATE	DESCRIPTION
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ISSUE
CONSTRUCTION DOCUMENTS
06 FEBRUARY 2026

SHEET NAME
ADMIN SYSTEMS
PLAN

SHEET NUMBER

EY102

[RETURN TO INDEX](#)

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

CODE REFERENCES AND REQUIREMENTS

- | |
|--|
| <ul style="list-style-type: none"> 2016 NFPA 101 - LIFE SAFETY CODE <ul style="list-style-type: none"> 7.2.1.5.6(5) REQUIRES THAT LOSS OF POWER WILL UNLOCK THE ELECTRICALLY CONTROLLED DOOR HARDWARE. 7.2.1.6.2.(4) REQUIRES THAT ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM UNLOCK ALL DOORS LOCATED IN THE PATH OF EGRESS. 2016 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES |
| <ul style="list-style-type: none"> 2016 NFPA 60 - FIRE DOORS AND OTHER OPENING PROTECTIVES <ul style="list-style-type: none"> 6.1.3.4 REQUIRES THAT POWER OPERATED FIRE DOORS HAVE A RELEASING DEVICE TO AUTOMATICALLY RELEASE POWER USED FIRE ALARM. 6.4.4.3.3 REQUIRES THAT FIRE RATED DOORS BE POSITIVELY LATCHED TO MAINTAIN THE FIRE RATING, ALL ELECTRIC STRIKES USED IN FIRE RATED DOORS MUST BE FAIL SECURE. |
| <ul style="list-style-type: none"> 2012 IBC - INTERNATIONAL BUILDING CODE <ul style="list-style-type: none"> 1010.1.9.8 REQUIRES ELECTROMAGNETICALLY LOCKED DOORS HAVE A SENSOR RELEASE SWITCH EITHER AUTOMATIC OR BY A READILY ACCESSIBLE WALL MOUNTED PUSHBUTTON TO RELEASE THE LOCK WITHIN 5' OF THE DOOR |

INTEGRATION WITH FIRE ALARM

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

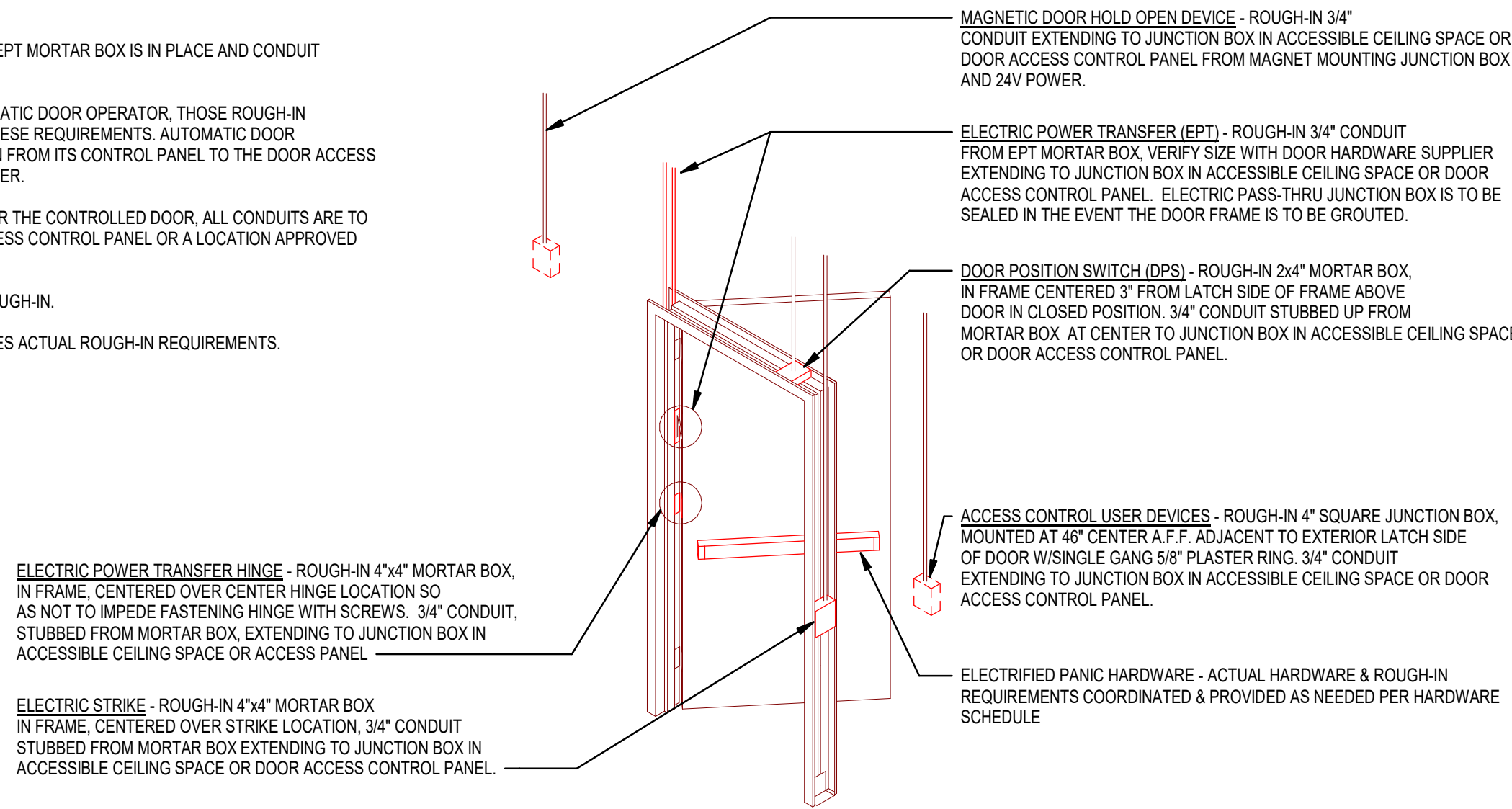
TO ENSURE A COMPLETE AND OPERATING ACCESS CONTROL SYSTEM AND TO ELIMINATE DELAYS, INSUFFICIENT OR UNNECESSARY WORK BY ALL OF THE ENTITIES INVOLVED, THE FOLLOWING STEPS SHALL BE COMPLETED. THE FAILURE TO DO SO RESULTING IN ADDED COSTS AND LOST TIME WILL BE BORN SOLELY BY THE CONTRACTOR. NO ADDITIONAL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

DURING THE BIDDING PROCESS

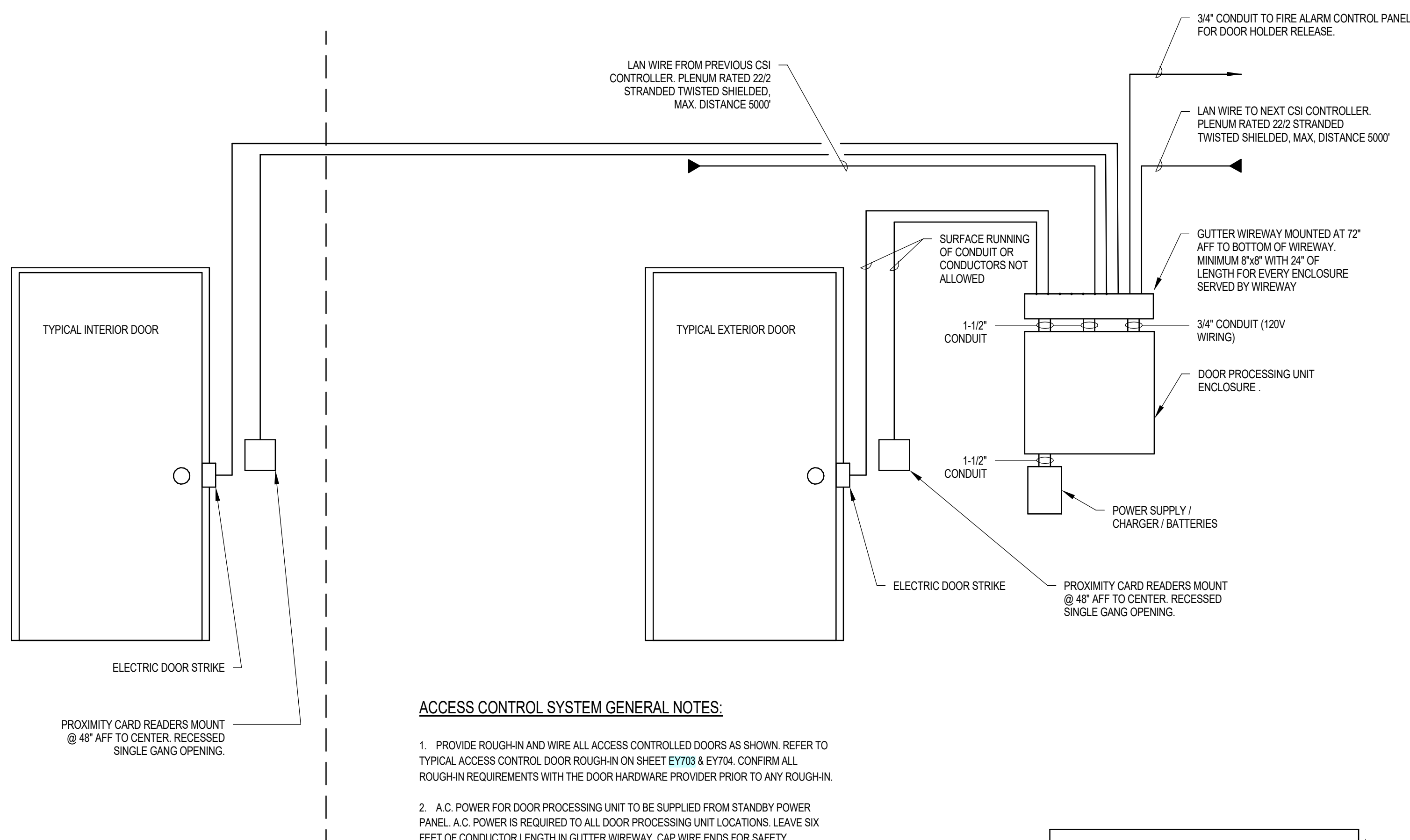
1. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE FLOORPLAN DRAWINGS AND DETAILS ON THIS SHEET. THE FLOORPLANS WILL INDICATE WHICH DOORS HAVE ACCESS CONTROL EQUIPMENT REQUIRING ROUGH-IN. DETAILS FOR ACCESS CONTROL EQUIPMENT REQUIREMENTS WILL BE SHOWN ON THE FLOORPLANS. BUT ALL CONDUIT AND HARDWARE REQUIREMENTS CAN ONLY BE DETERMINED BY REFERRING TO THE SPECIFIC DOOR ROUGH-IN DEVICE AND THE ARCHITECTURAL DOOR HARDWARE SPECIFICATION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.
2. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DOOR HARDWARE SCHEDULE, DOOR HARDWARE SPECIFICATIONS, AND DEFINED EGRESS PATHS. IDENTIFY ACCESS CONTROLLED DOORS LOCATED IN FIRE RATED WALLS AND IN PATHS OF EGRESS REQUIRING ADDITIONAL CONTROL DEVICES.
3. THE ELECTRICAL CONTRACTOR SHALL VERIFY WHICH DOORS USING AN ELECTRIFIED EXIT DEVICE WILL REQUIRE 120V AT THE DOOR. THIS IS MANUFACTURER SPECIFIC AND MUST BE CONFIRMED WITH THE GENERAL CONTRACTOR ACCORDING TO WHICH HARDWARE SUPPLIER BEING USED.
POST-BID, DURING THE SUBMITTAL PROCESS.
4. DURING THE SUBMITTAL PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW ALL CONDUIT AND DOOR HARDWARE SUBMITTAL TO CONFIRM THE FINAL DOOR HARDWARE SETS PRIOR TO ANY ROUGH-IN. ANY QUESTIONS SHALL BE ISSUED BY FORMAL RFI.
5. MEET WITH THE ACCESS CONTROL VENDOR TO REVIEW ALL FINAL INTEGRATION AND ROUGH-IN REQUIREMENTS. ONLY AFTER CONFIRMING THE FINAL DOOR HARDWARE AND ACCESS CONTROL SYSTEM REQUIREMENTS SHALL ANY ROUGH-IN WORK BEGIN.

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

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



SCALE: NTS



1. PROVIDE ROUGH-IN AND WIRE ALL ACCESS CONTROLLED DOORS AS SHOWN. REFER TO TYPICAL ACCESS CONTROL DOOR ROUGH-IN ON SHEET EY703 & EY704. CONFIRM ALL ROUGH-IN REQUIREMENTS WITH THE DOOR HARDWARE PROVIDER PRIOR TO ANY ROUGH-IN.

1. PROVIDE ROUGH AND WIRE ALL ACCESS CONTROL DEVICES TO CONTROL, REFERENCE TO TYPICAL ACCESS CONTROL DOOR ROUGH ON SHEET EY103 & EY104. CONFIRM ALL ROUGH REQUIREMENTS WITH THE DOOR HARDWARE PROVIDER PRIOR TO ANY ROUGHING.
2. A.C. POWER FOR DOOR PROCESSING UNIT TO BE SUPPLIED FROM STANDBY POWER PANEL. A.C. POWER IS REQUIRED TO ALL DOOR PROCESSING UNIT LOCATIONS. LEAVE SIX FEET OF CONDUCTOR LENGTH IN GUTTER WAREHOUSE, CAP WIRE ENDS FOR SAFETY.
3. DOOR STRIKES TO BE PROVIDED AND INSTALLED BY DIVISION 8. SEE DOOR HARDWARE SECTION.
4. PROVIDE 3/4" FROM EACH DEVICE TO ACCESSIBLE CEILING SPACE.
5. COORDINATE SYSTEM LAYOUT, DEVICE LOCATIONS OR ANY OTHER QUESTIONS WITH SCHOOL DISTRICT PROJECT MANAGER.
6. ACCESS CONTROL DEVICE LOCATIONS, EQUIPMENT AND RISER DIAGRAM ARE SCHEMATIC IN NATURE AND ARE SHOW TO PROVIDE INTENT OF THE CARD ACCESS SYSTEM TO BE PROVIDED. SUCCESSFUL SUPPLIER OF THE SYSTEM SHALL PROVIDE SHOP DRAWINGS THAT INCLUDE COMPLETE SYSTEM. THE SYSTEM SHALL MEET ALL OWNER AND ENGINEERING REQUIREMENTS.

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

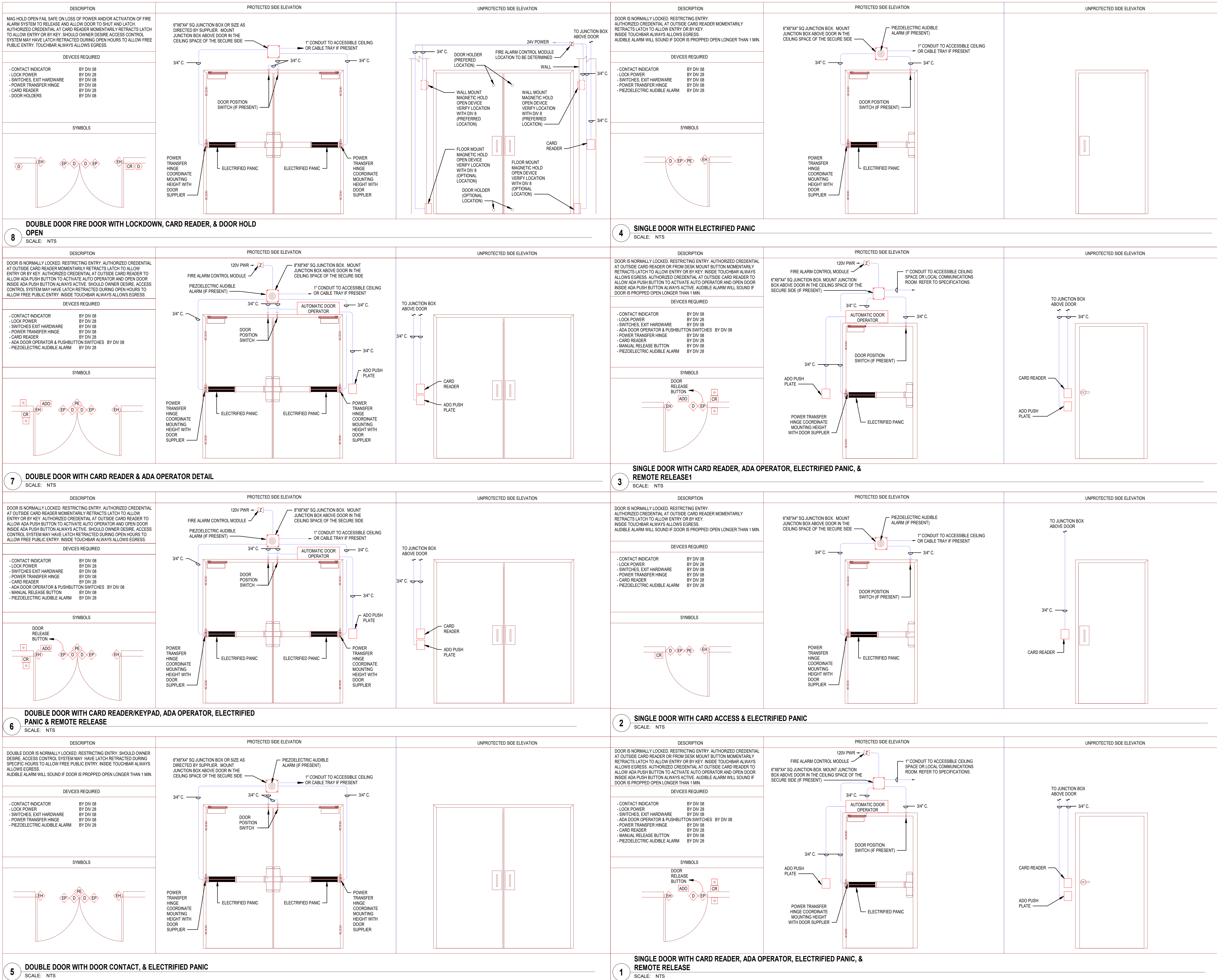
SYMBOL	DESCRIPTION	SUPPLIER	MODEL	REQUIREMENTS
	MAIN ACCESS CONTROL SYSTEM PANEL: SECURITY CONTROL UNIT - DOOR CONTROLLER	AMAG	M2150-40RC	CONTROLS UP TO EIGHT (8) DOORS, TWELVE (12) DESERIALIZED INPUTS, EIGHT (8) RELAY OUTPUTS PROVIDE DOOR CONTROLLERS IN QUANTITIES AS REQUIRED TO ACCOMMODATE NUMBER OF DOORS INDICATED ALL DOOR CONTROLLERS FOR THIS PROJECT SHALL BE LOCATED IN ONE ENCLOSURE
	SUB-LAN INTERFACE	AMAG	MN-NC-5	ONE (1) REQUIRED FOR THIS PROJECT
	ENCLOSURE / BACKPLATE / LOCK KIT	AMAG	MN-CAB5+PSU4KIT	24"W X 30"H X 6"D
	6 AMP POWER SUPPLY / CHARGER	ALTRONIX	AX-AL600UM	MOUNT IMMEDIATELY BELOW ACCESS ENCLOSURE
	BATTERIES - 12 VOLT, 8 AMP-HOURS	YUASA	U2-APF12	12 VOLT, 24 HOURS OF OPERATION; MOUNT IN POWER SUPPLY ENCLOSURE
	120-24VAC 50VA TRANSFORMER	VERIS	T-201-1	
	PROXIMITY CARD READERS: WALL-MOUNTED WITH 18" PIGTAIL MULTI-CON MOUNT	AMAG 939S AMAG 929S	939-KP 939S 929S	PROVIDE CARD READERS TO SUIT APPLICATION 1 GANG, 3" DEEP BOX PLENUM-RATED 220V SHIELDED TO DOOR CONTROLLER, 500' MAXIMUM CABLE LENGTH
	ELECTRIC DOOR STRIKE			REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS PLENUM-RATED 182 NON-SHIELDED TO DOOR CONTROLLER
	MAGNETIC DOOR CONTACT SWITCH			REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS
	ELECTRIC STRIKE RELEASE			REFER TO ARCHITECTURAL DOOR HARDWARE SPECIFICATIONS

EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS FOLLOWS

- EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS FOLLOWS:
1. THE EXTERIOR ACCESS CONTROLLED DOORS SHALL FUNCTION AS DIRECTED BY THE OWNER FOR LOCKING AND UNLOCKING DURING NORMAL HOURS OF OPERATIONS.
 2. THE EXTERIOR ACCESS CONTROLLED DOORS SHALL GO INTO LOCK DOWN MODE AND LOCK ALL EXTERIOR DOORS ONCE THE DURESS BUTTON IS PUSHED AT THE RECEPTION DESK OR SAME CARD IS PRESENTED AT A SPECIFIED READER (3) TIMES IN 10 SECONDS. PUSHERS DURING THIS TIME WILL REMAIN RED. THE EXTERIOR DOORS WILL STATE OF FUNCTION PRIOR TO THE LOCK DOWN BUTTON BEING PUSHED.
 3. ONCE THE DURESS BUTTON AT THE RECEPTION DESK IS PUSHED OR SAME CARD IS PRESENTED AT SPECIFIED CARD READER (3) TIMES IN 60 SECONDS ACCESS CONTROLLED DOORS ARE IN LOCK DOWN MODE. THE SECURITY SYSTEM SHALL CALL THE MONITORING COMPANY AND NOTIFY THE MONITORING COMPANY THAT THE SCHOOL IS IN LOCK DOWN AND DISPATCH AS PREDETERMINED BY THE OWNER.

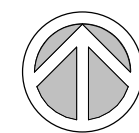
1. PRESENTING THE SAME CARD TO THE LOCK DOWN CARD READERS (3) TIMES WITHIN 80 SECONDS WILL RELEASE THE MAGNETIC DOOR HOLDERS AND ENERGIZE THE ELECTRIC DOOR STRIKES TO LOCK THE DOORS. PRESENTING THE SAME CARD AGAIN (3) TIMES WITHIN 60 SECONDS WILL DE-ENERGIZE THE ELECTRIC DOOR STRIKES AND ENERGIZE THE MAGNETIC DOOR HOLDERS TO HOLD THE DOORS IN THE OPEN POSITION. DOOR WILL HAVE TO BE PHYSICALLY OPENED SO THE MAGNETIC DOOR HOLDERS WILL HOLD THEM OPEN.
2. THE NEW INTERIOR ACCESS CONTROLLED DOORS SHALL GO INTO LOCK DOWN MODE (RELEASE MAGNETIC DOOR HOLDERS AND ENERGIZE ELECTRONIC STRIKES) AND LOCK ALL NEW INTERIOR DOORS ONCE THE DURESS BUTTON IS PUSHED IN THE RECEPTION DESK. PUSHING THE LOCK DOWN BUTTON AGAIN WILL RETURN ALL THE NEW INTERIOR DOORS THE STATE OF FUNCTION PRIOR TO THE LOCK DOWN BUTTON BEING PUSHED. NEW INTERIOR DOORS WILL HAVE TO BE PHYSICALLY REOPENED SO THE MAGNETIC DOOR HOLDERS WILL HOLD THEM OPEN.

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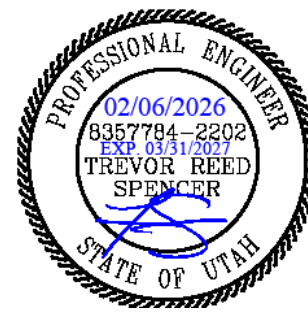


ENV:2023-208.3

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



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MHTN PROJECT NO. 2023554.01

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

REVISIONS
CONTRACTOR TO VERIFY DRAWINGS IN FIELD USE REFLECT

▲	DATE	SUBSCRIPTION
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NO.Δ	DATE	DESCRIPTION

ISSUE
CONSTRUCTION DOCUMENTS

06 FEBRUARY 2026

00 FEBRUARY 2020

SHEET NAME

COUNSELING

AUDIO VISUAL

AUDIO VISUAL

FLOOR PLAN

FLOOR PLAN

SHEET NUMBER

FLA 100

FA103

LA 103

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