

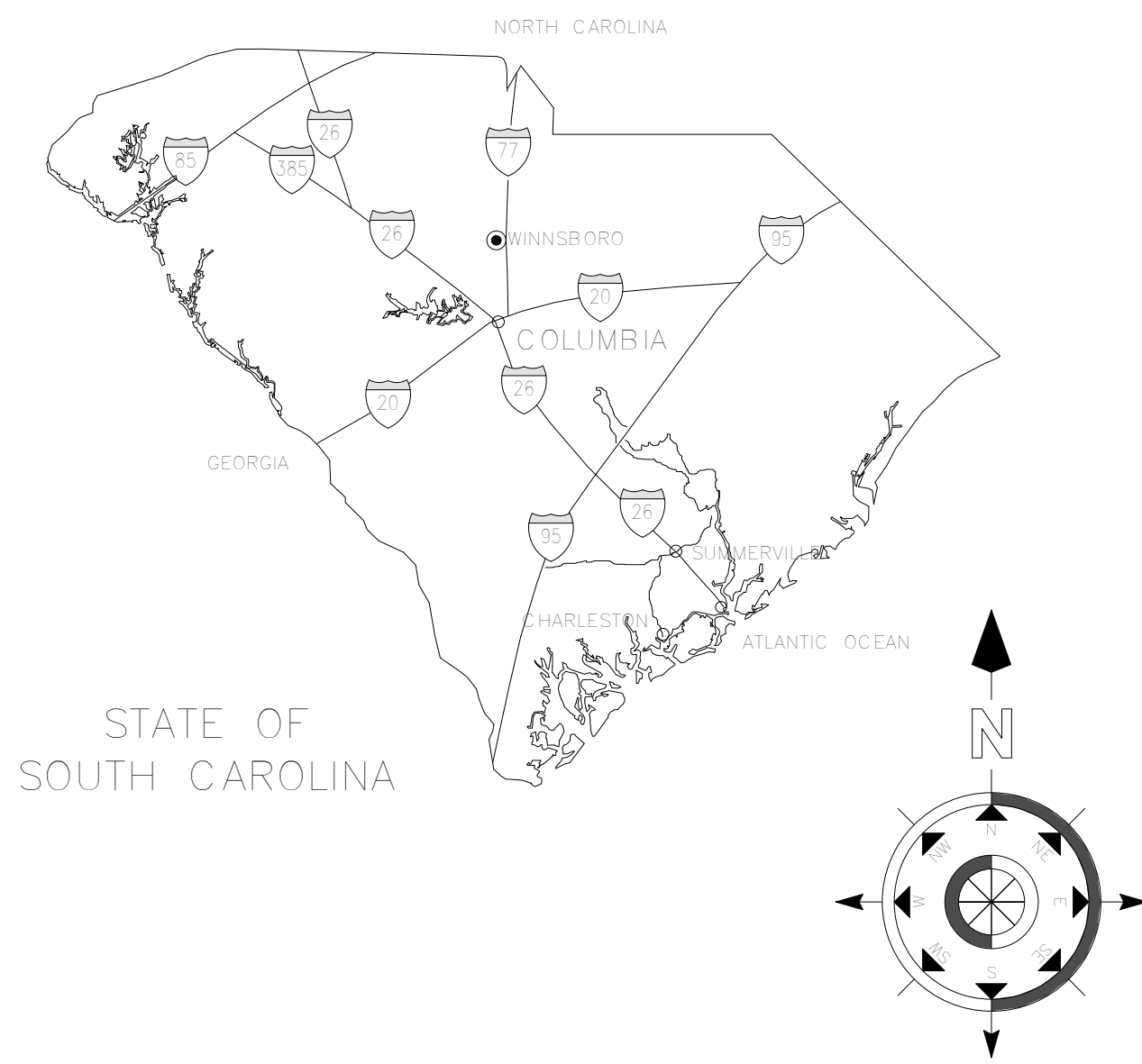
UNIVERSITY SOUTH CAROLINA USC ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS - RE BID

CONSTRUCTION DOCUMENTS NOVEMBER 13, 2013 PROJECT NO: H27-Z010

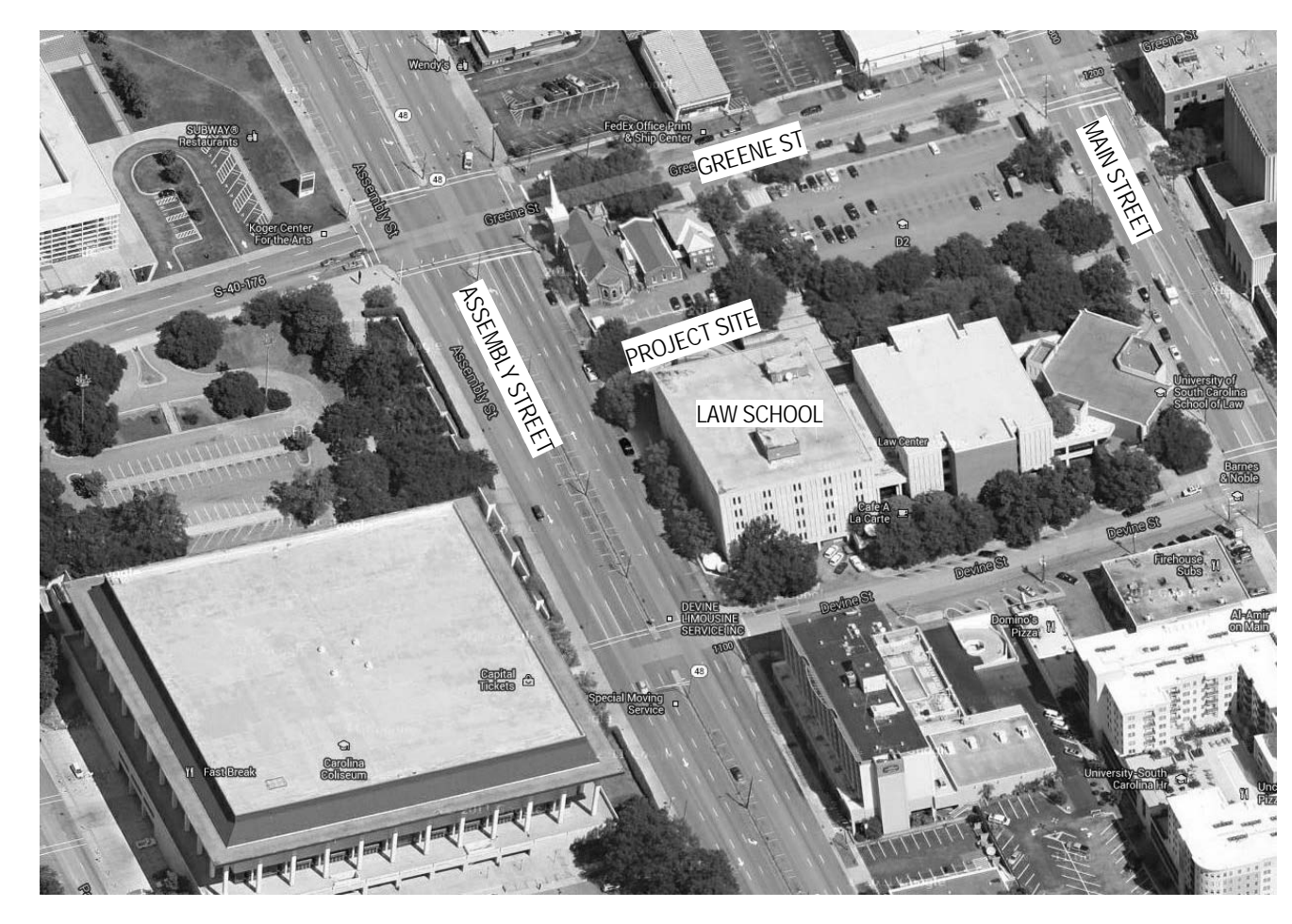
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Interdisciplinary Design Architecture Interiors Planning

STATE LOCATION MAP



VICINITY LOCATION MAP (7499 PARKLANE ROAD, COLUMBIA, SC)



APPLICABLE CODES

- PROJECTS DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:**
- INTERNATIONAL BUILDING CODE, 2006 ED.
 - INTERNATIONAL FIRE CODE, 2006 ED.
 - INTERNATIONAL ENERGY CONSERVATION CODE, 2006 ED.
 - INTERNATIONAL FUEL GAS CODE, 2006 ED.
 - INTERNATIONAL MECHANICAL CODE, 2006 ED.
 - INTERNATIONAL PLUMBING CODE, 2006 ED.
 - ICC ELECTRICAL CODE, ADMINISTRATIVE PROVISIONS, 2000 ED. INCLUDING THE 2001 MODIFICATIONS
 - NATIONAL ELECTRICAL CODE, NFPA 70, 2008 ED.
 - NATIONAL ELECTRICAL SAFETY CODE, ANSI-C2-2008 ED.
 - STATE FIRE MARSHALL REGULATIONS, LATEST EDITION
 - SOUTH CAROLINA ELEVATOR CODE AND REGULATIONS, LATEST EDITION
 - ASHRAE/IESNA 90.1 - 2004, ENERGY EFFICIENT DESIGN OF NEW BUILDINGS
 - ICC/ANSI-A117.1 - 2003, ACCESSIBLE AND USABLE BUILDING AND FACILITIES

INDEX OF DRAWINGS

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	A1.2	FLOOR PLANS, DIMENSION PLANS, REFLECTED CEILING PLANS
	A2.1	PLAN DETAILS
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	A4.3	WALL SECTIONS
	A5.1	SECTION DETAILS
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	A5.3	SECTION DETAILS
	A6.1	DOOR, WINDOW, FINISH SCHEDULES AND DETAILS
	A7.1	ALTERNATE #1 - SECTIONS AND DETAILS
STRUCTURAL	S0.1	STRUCTURAL NOTES AND DETAILS
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ELECTRICAL	E1.0	OVERALL ELECTRICAL PLANS
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	E3.0	LIGHTING DEMOLITION & RENOVATION PLANS
	E4.0	SINGLE LINE DIAGRAMS & PANEL SCHEDULES

MATERIAL DESIGNATIONS

	COMPACTED EARTH		WOOD (ROUGH)
	POUROUS FILL (STONE OR GRAVEL)		WOOD (FINISHED)
	CONCRETE		PLYWOOD
	CONCRETE MASONRY UNIT		BATT INSULATION
	BRICK		GYPSUM BOARD
	SAND, PLASTER, CEMENT, GROUT		RIGID INSULATION
	STEEL		STONE VENEER

PROJECT ADD ALTERNATES

FOLLOWING IS A LIST OF THE ADD ALTERNATES INCLUDED WITHIN THESE DOCUMENTS:

ADD ALTERNATE #1: REPAIR AND PAINT PRECAST CONCRETE WALLS WITHIN PLAZA. REPAIRS CONSIST OF PATCHING AND REPAIR OF CONCRETE WALLS AND REFINISHING WITH PAINT. REFER TO SPECIFICATIONS.

ABBREVIATIONS

∠	ANGLE	NIC	NOT IN CONTRACT
@	AT	NOM	NOMINAL
AFF	ABOVE FINISH FLOOR	NTS	NOT TO SCALE
ALUM	ALUMINUM	OC	ON CENTER
ARCH	ARCHITECTURAL	OD	OUTSIDE DIAMETER
BLKG	BLOCKING	OPNG	OPENING
CL	CENTER LINE	OPP	OPPOSITE
CJ	CONTROL JOINT	P	PAINT
CLG	CEILING	PL	PLATE, PROPERTY LINE
CTR	CENTER	PR	PAIR
CONC	CONCRETE	R, RAD	RADIUS
CMU	CONCRETE MASONRY UNIT	REQD	REQUIRED
CONT	CONTINUOUS	RD	ROOF DRAIN
DIA	DIAMETER	RO	ROUGH OPENING
DS	DOWNSPOUT	SF	SQUARE FEET
DWG	DRAWING	SIM	SIMILAR
EXT	EXTERIOR	SPEC	SPECIFICATIONS
EXIST	EXISTING	STD	STANDARD
EA	EACH	STR	STRUCTURAL
EJ	EXPANSION JOINT	SUSP	SUSPENDED
ELEC	ELECTRICAL	TBD	TO BE DETERMINED
EL	ELEVATION	TBS	TO BE SELECTED
ELEV	ELEVATOR	TOS	TOP OF STEEL
EQUIP	EQUIPMENT	TOP	TOP OF PLATE
EWC	ELECTRIC WATER COOLER	TYP	TYPICAL
FIN	FINISH	UNO	UNLESS NOTED OTHERWISE
FD	FLOOR DRAIN	VERT	VERTICAL
FOF	FACE OF FINISH	VCT	VINYL COMPOSITION TILE
FOS	FACE OF STUD	W	WITH
FR	FIRE RETARDANT	WC	WATER CLOSET
FV	FIELD VERIFY	WR	WATER RESISTANT
GA	GAUGE	WWF	WELDED WIRE FABRIC
GYP BD	GYPSUM BOARD	WD	WOOD
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HT	HEIGHT		
HVAC	HEATING VENTILATION AIR-CONDITIONING		
ID	INSIDE DIAMETER		
INSUL	INSULATION		
JT	JOINT		
LAV	LAVATORY		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MO	MASONRY OPENING		

ARCHITECTURAL SYMBOLS

DRAWING TITLE REFERENCE

1
A1.1
TITLE
SCALE: 1/4" = 1'-0"
WHERE DETAIL IS SHOWN

PLAN DETAIL REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

BUILDING SECTION/WALL SECTION REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

EXTERIOR ELEVATION REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

INTERIOR ELEVATION REFERENCE

1
A1.1
WHERE DETAIL IS SHOWN

ROOM TAG REFERENCE

ROOM — ROOM NAME
101 — ROOM NUMBER

DOOR TAG REFERENCE

101A — DOOR NUMBER
DX — FRAME TYPE
FX — DOOR TYPE

WINDOW/LOUVER TAG REFERENCE

W10 — WINDOW/ LOUVER TYPE

WALL TAG REFERENCE

1A — PARTITION TYPE

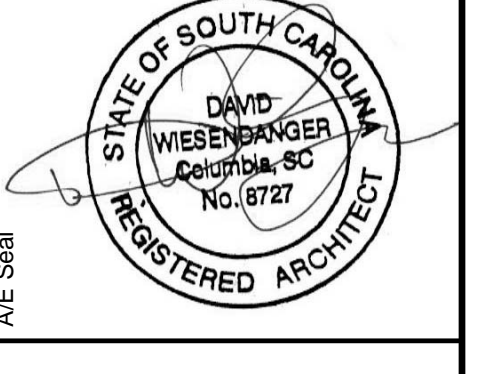
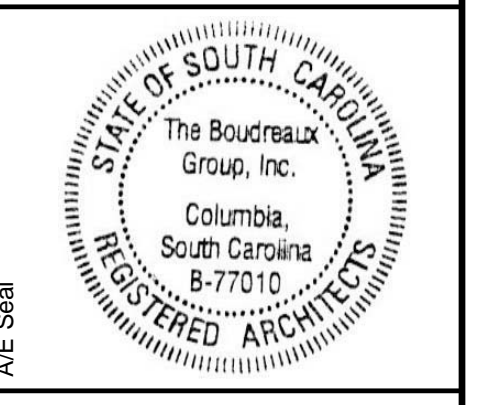
CEILING DETAIL REFERENCE

1/A1.1 — CEILING DETAIL NUMBER
WHERE DETAIL IS SHOWN

REVISION CLOUD REFERENCE

1 — REVISION NUMBER

GENERAL CONSTRUCTION DOCUMENT NOTES

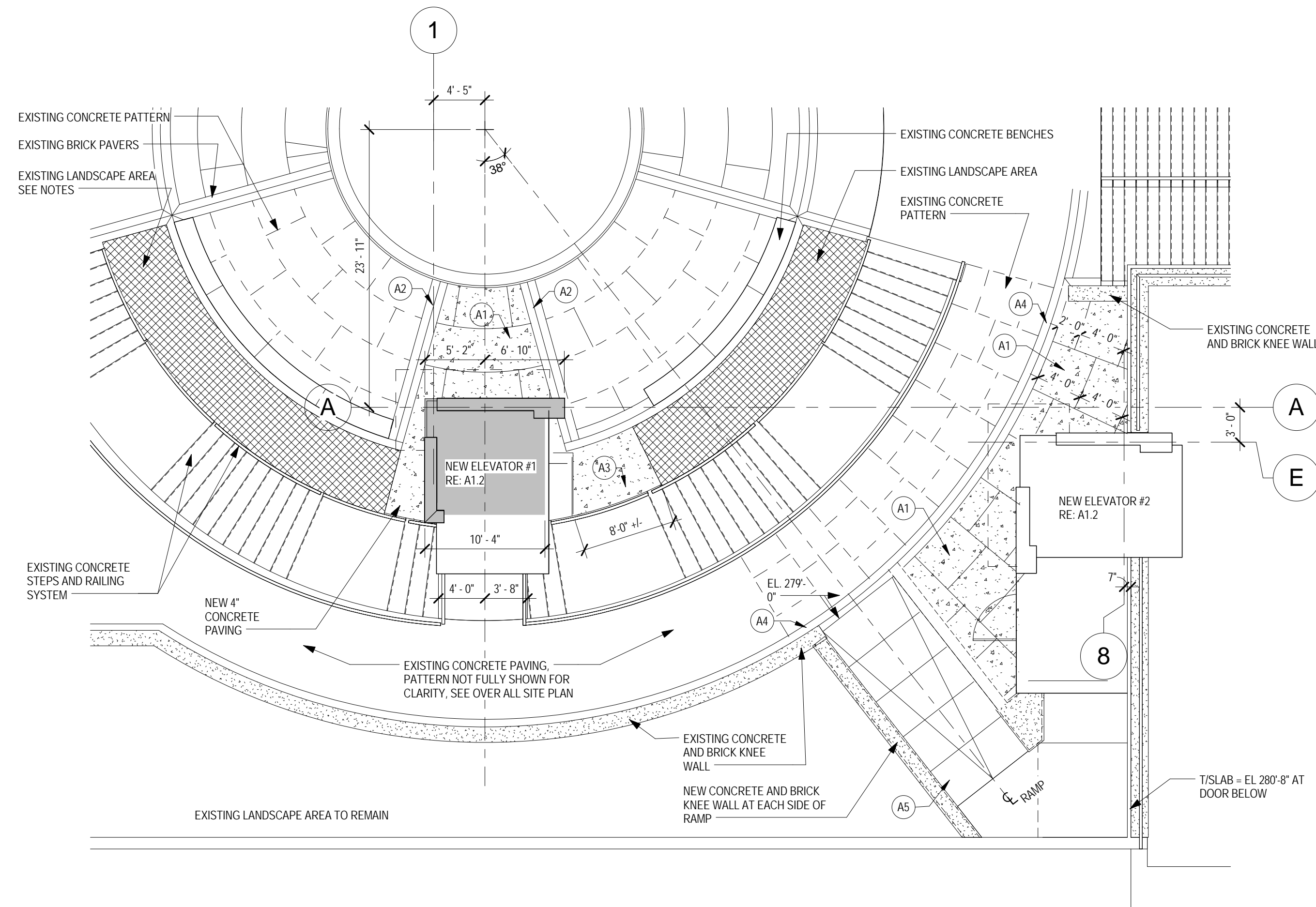


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No.	Description	Date	Project Number
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Drawing Title:
TITLE SHEET, CODE ANALYSIS,
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INDEX OF DRAWINGS

Drawing No.
T1.1

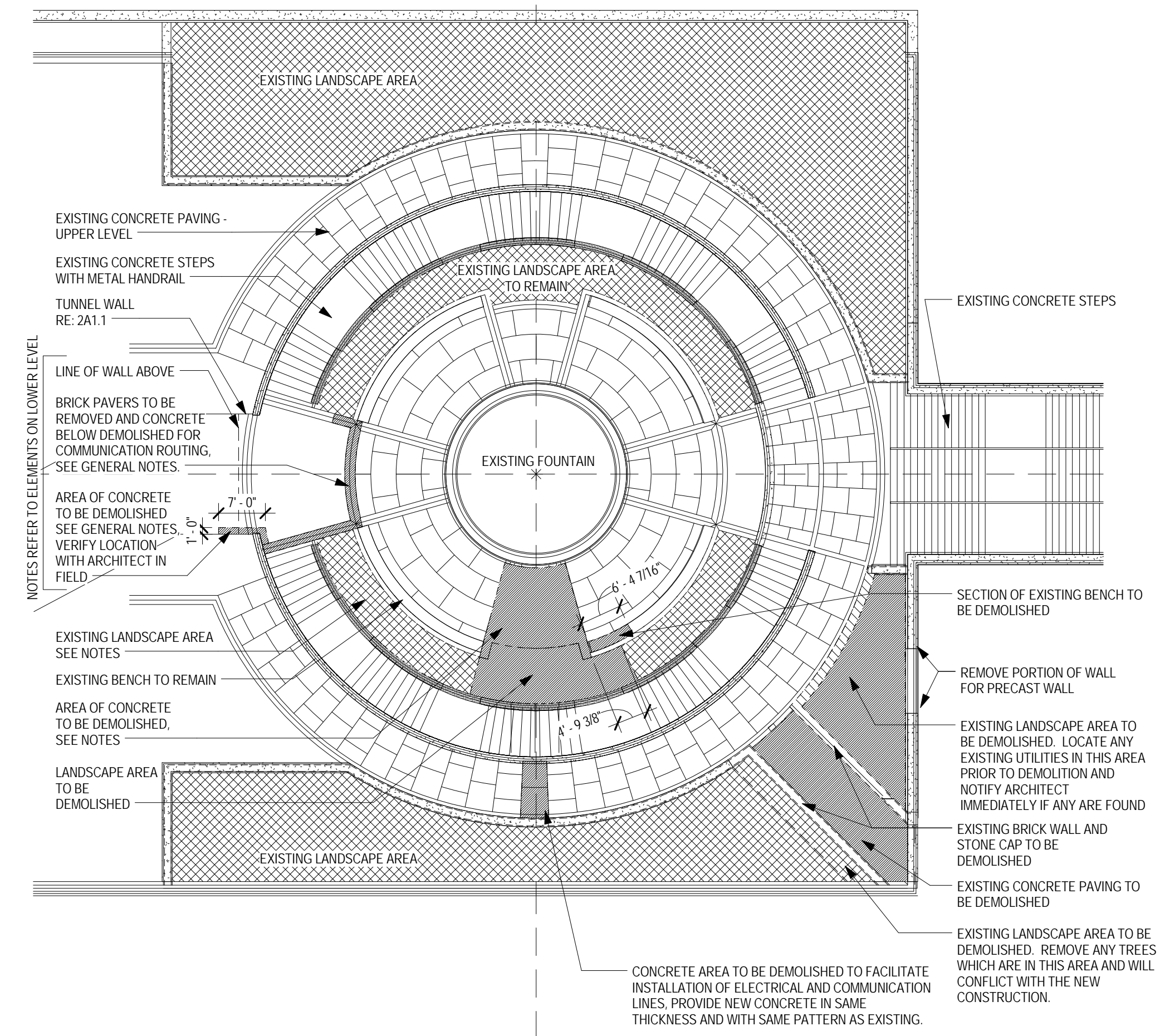


3 ENLARGED SITE PLAN
A1.1 1/8" = 1'-0"

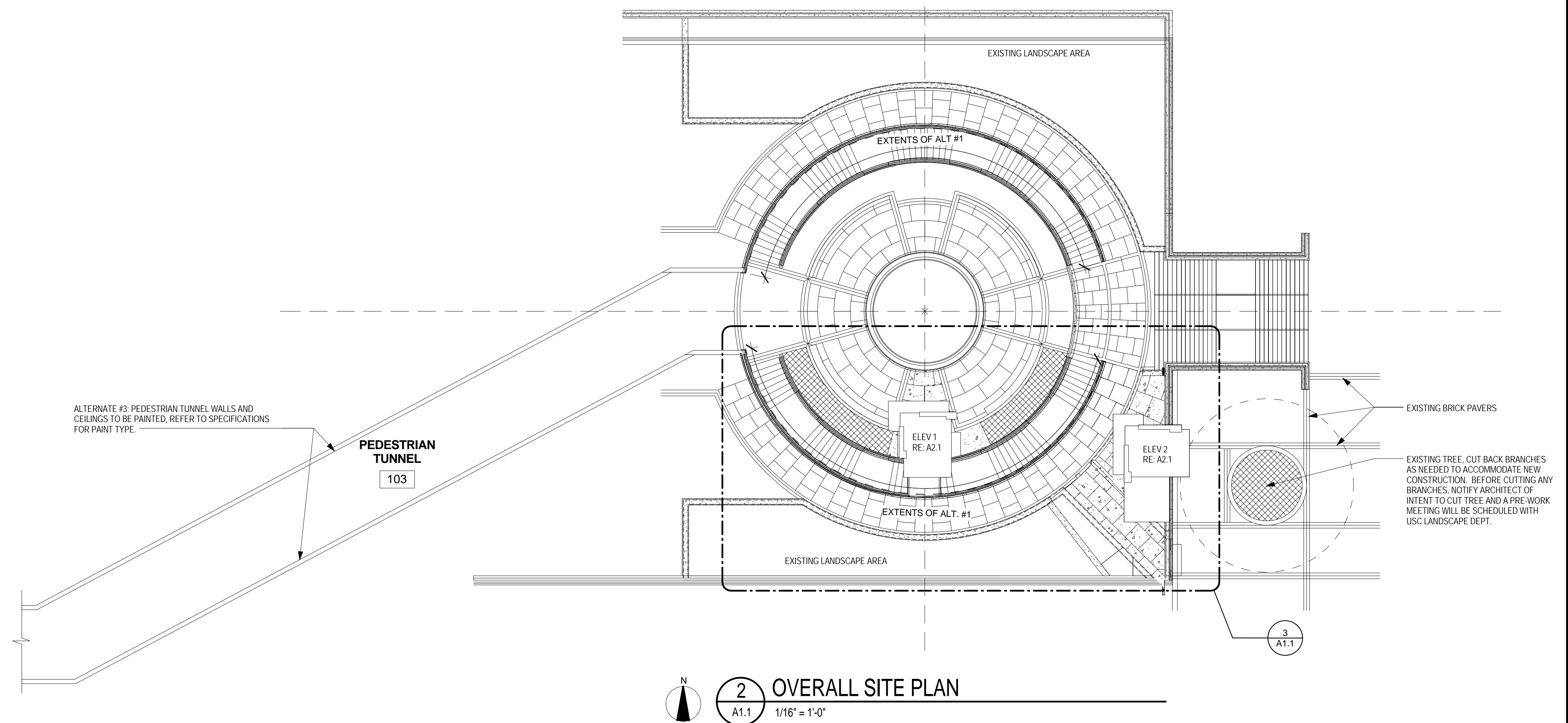
FLOOR PLAN KEYNOTE LEGEND	
KEYNOTE	DESCRIPTION
A1	NEW CONCRETE PAVING AREA, EXTEND EXISTING PATTERN INTO NEW AREA AS SHOWN, COMPACT EARTH BENEATH CONCRETE AND POUR TO SAME THICKNESS AS EXISTING WITH MATCHING REINFORCING IF PRESENT.
A2	EXISTING BRICK PAVERS REINSTALLED AS SHOWN WHEREVER PAVERS WERE REMOVED DURING CONSTRUCTION
A3	NEW CONCRETE PAVING MATCH EXISTING THICKNESS AND REINFORCING DESIGN
A4	BRICK PAVEMENT BAND, SALVAGE AS MANY BRICKS AS POSSIBLE FROM EXISTING BANDS FOR REUSE, ADD NEW BRICK PAVERS AS NEEDED, COORDINATE LOCATIONS OF NEW AND EXISTING PAVERS WITH ARCHITECT IN THE FIELD.
A5	NEW CONCRETE PAVING AND RAMP, COMPACT EARTH AND MATCH CONCRETE THICKNESS AND REINFORCING DESIGN WITH EXISTING, RAMP SLOPE IS NOT TO EXCEED 1:12

SITE PLAN GENERAL NOTES

- BRICK PAVERS NOTED TO BE REMOVED ARE TO BE SALVAGED AND SAVED FOR REINSTALLATION ON PROJECT. AREAS OF CONCRETE, LANDSCAPE AREAS, AND BRICK PAVERS SHOWN TO BE DEMOLISHED MAY BE REDUCED AT THE CONTRACTORS OPTION, BUT NO ADDITIONAL FUNDS WILL BE GIVEN FOR ADDITIONAL CONCRETE DEMOLITION REQUIRED TO COMPLETE ANY SCOPE OF WORK NOTED IN THESE DOCUMENTS. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK PRIOR TO BIDDING WITH REGARD TO AREAS WHICH MAY NEED ADDITIONAL DEMOLITION IN ORDER TO COMPLETE THE WORK IN THESE DOCUMENTS.
- EXISTING LANDSCAPE AREAS SHOWN TO REMAIN ARE TO BE EITHER PROTECTED OR AT THE CONTRACTORS OPTION, PLANTING MATERIAL REMOVED AND REINSTALLED IN KIND AT THE COMPLETION OF THE PROJECT. LANDSCAPING REQUIRED TO BE REMOVED IN ORDER FOR ROUTING OF UTILITIES IS TO BE CAREFULLY REMOVED AND TEMPORARILY LOCATED IN ORDER FOR REINSTALLATION. CONTRACTOR HAS THE OPTION TO COMPLETELY DEMOLISH LANDSCAPING AND PROVIDE AND INSTALL REPLACEMENT PLANT MATERIAL IN KIND. ALL LANDSCAPE BEDS AFFECTED BY CONSTRUCTION ARE TO BE RETURNED TO THEIR CURRENT CONDITION AFTER WORK IS COMPLETED.
- COORDINATE EXACT LOCATION OF CONDUITS WHICH WILL BE EXPOSED WITH ARCHITECT PRIOR TO INSTALLATION.
- RELOCATE ANY SIGNAGE DISTURBED BY CONSTRUCTION. COORDINATE WITH ARCHITECT FOR NEW LOCATIONS.

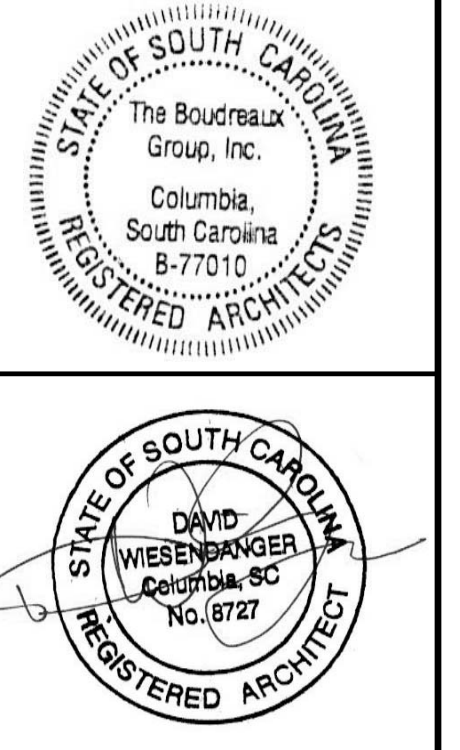


1 OVERALL SITE PLAN DEMOLITION PLAN
A1.1 1/16" = 1'-0"



2 OVERALL SITE PLAN
A1.1 1/16" = 1'-0"

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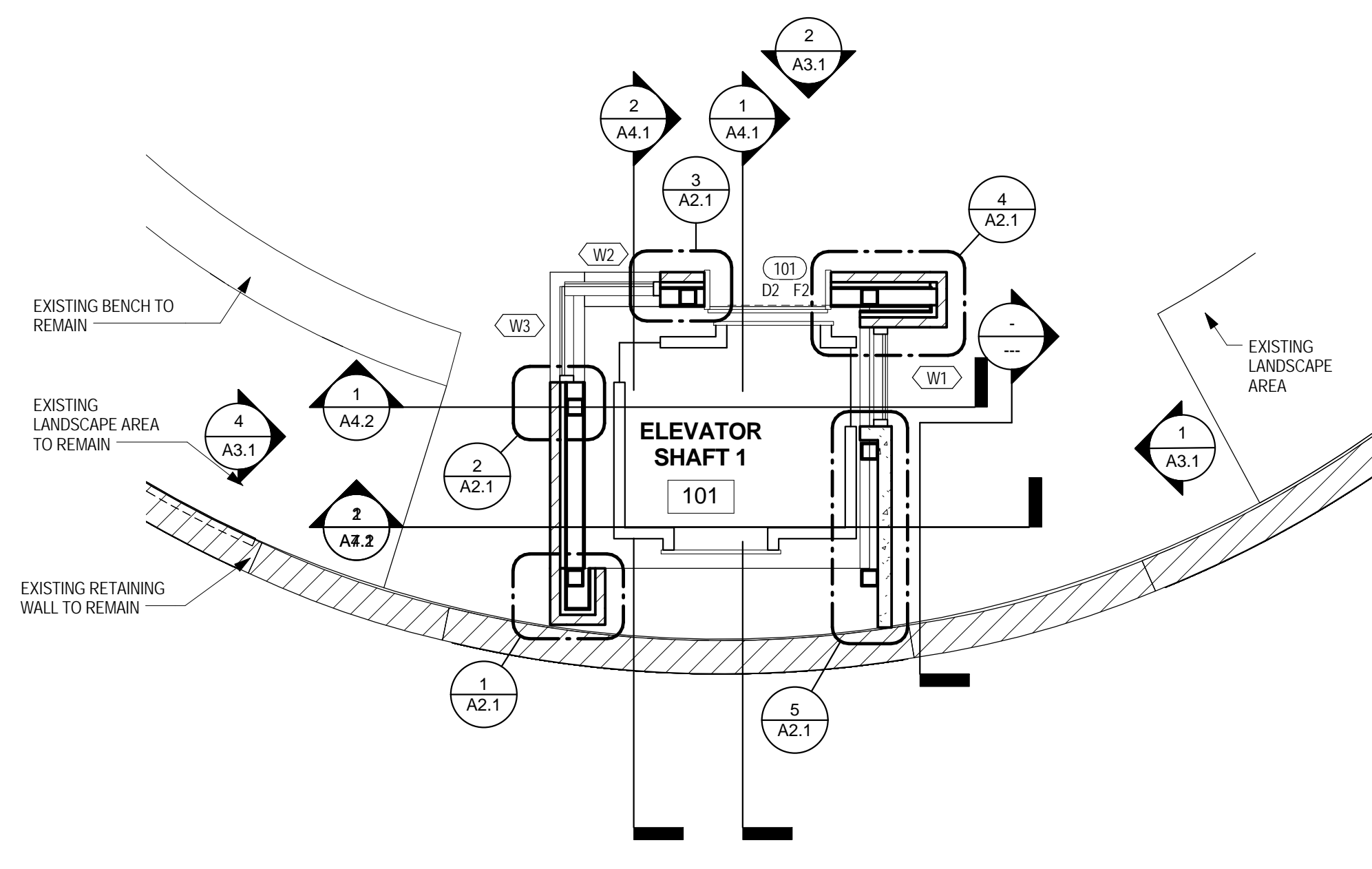


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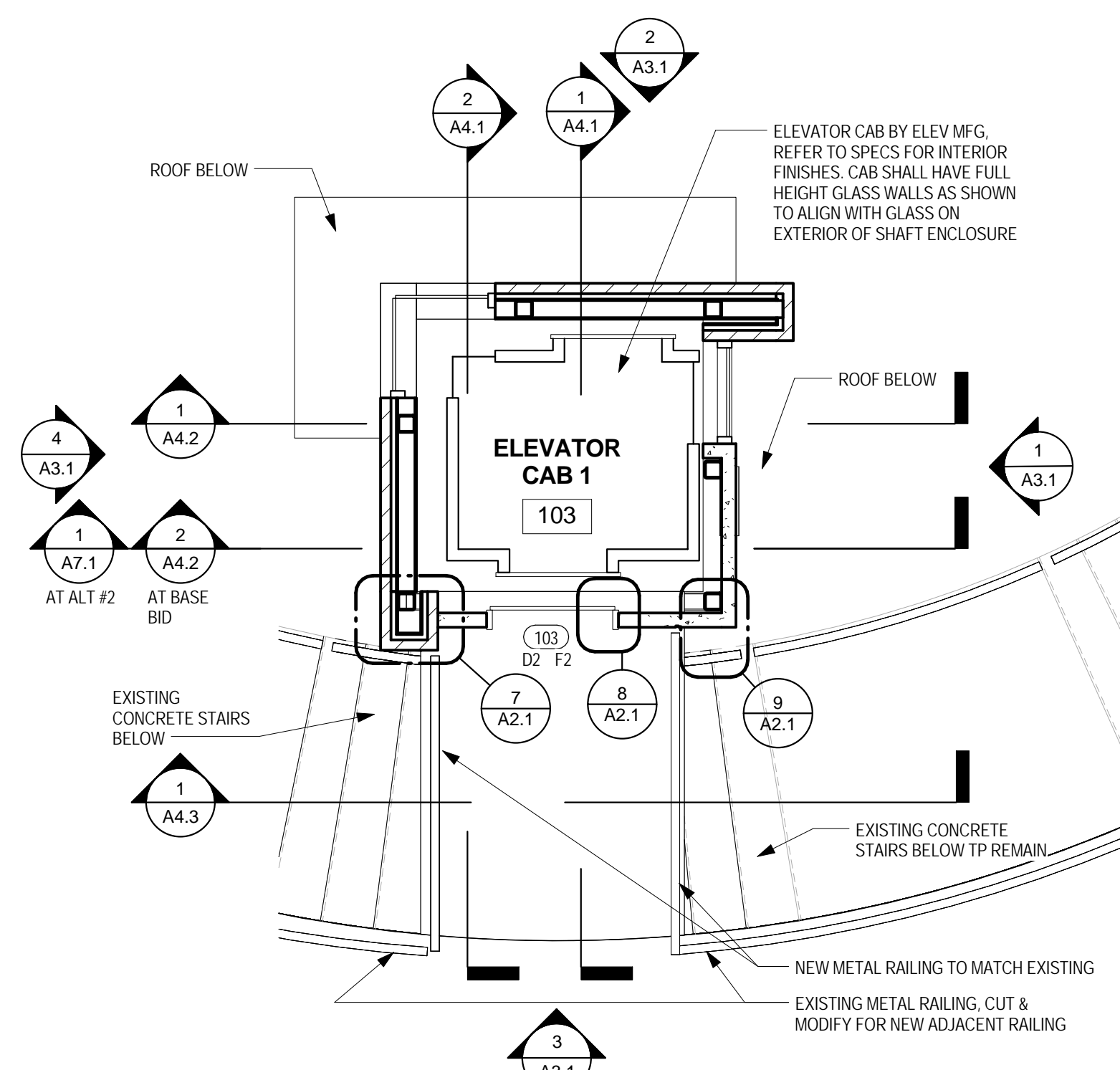
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OVERALL SITE PLAN

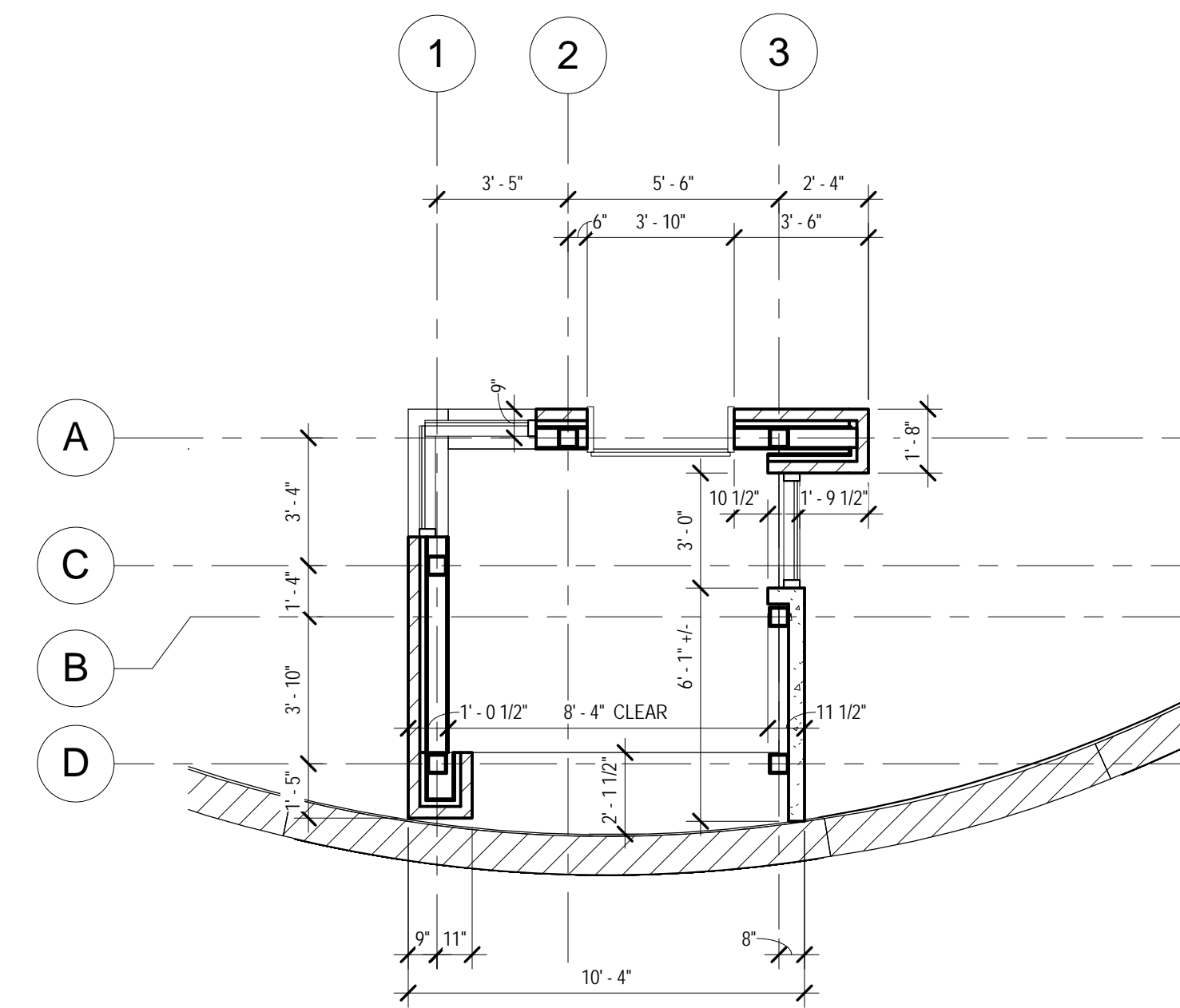
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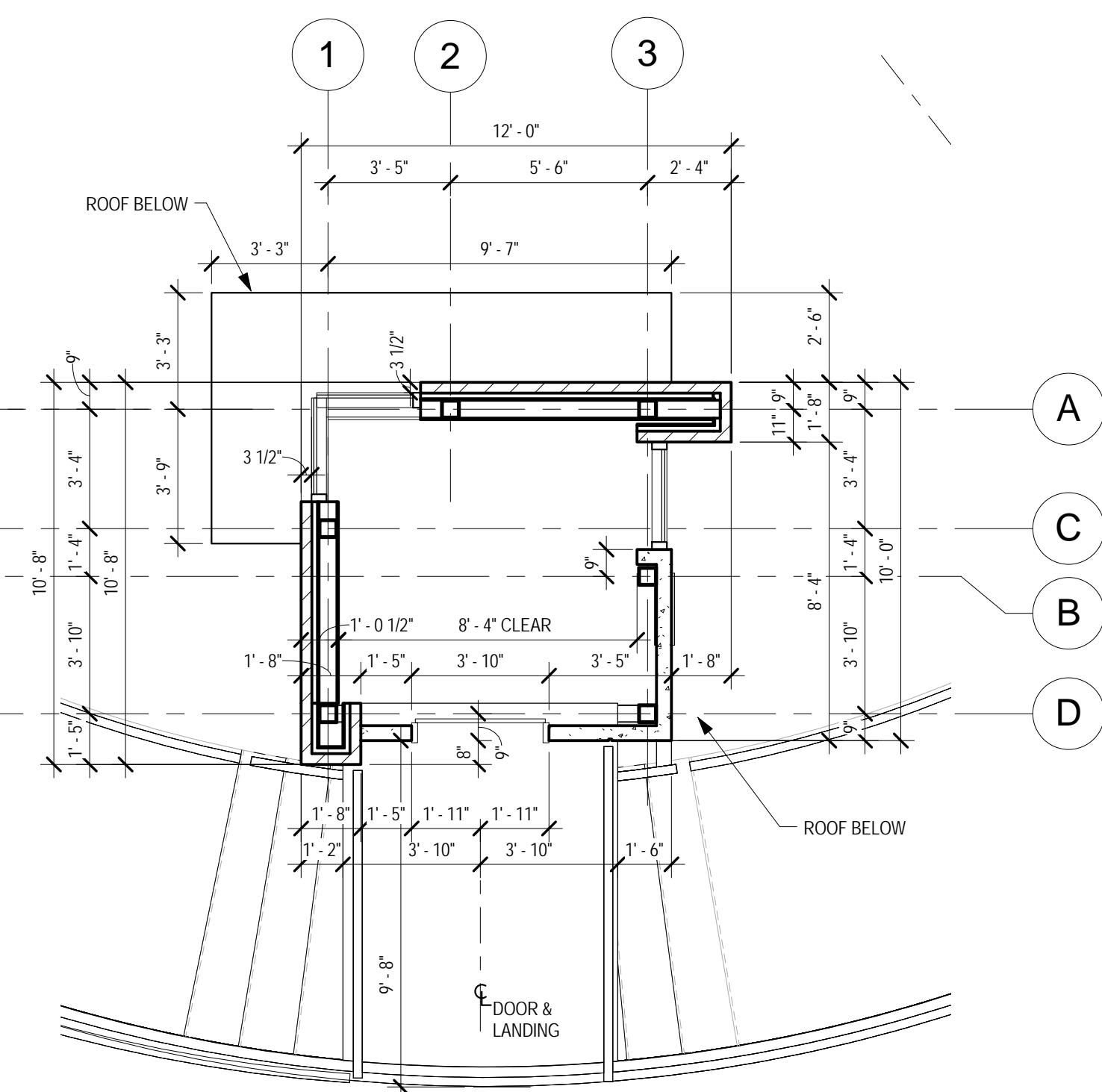
1 ELEV 1 - ENLARGED PLAN LOWER PLAZA
A1.2 1/4" = 1'-0"



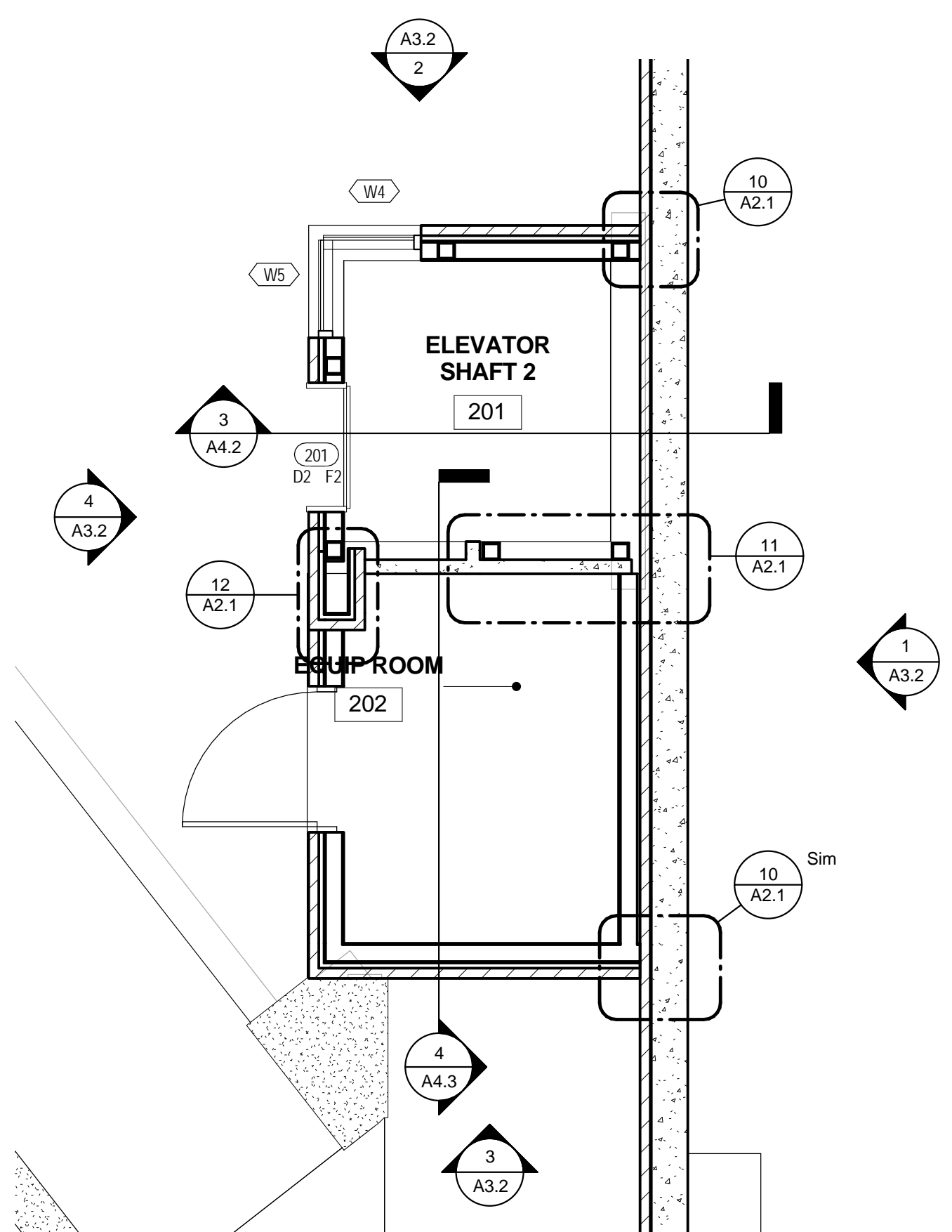
2 ELEV 1 - ENLARGED MID LEVEL PLAN
A1.2 1/4" = 1'-0"



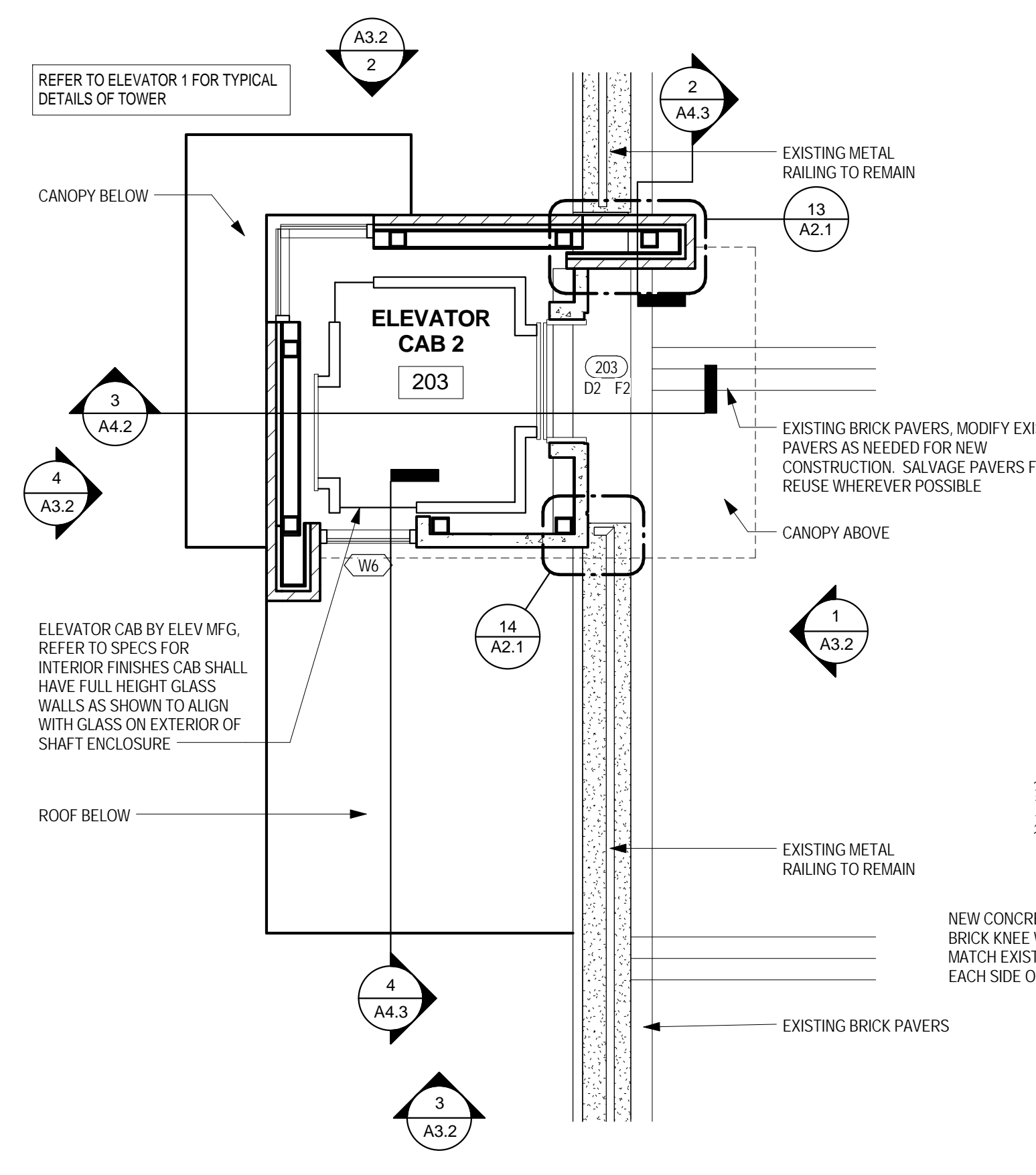
9 ELEV 1 DIMENSION PLAN - LOWER PLAZA
A1.2 1/4" = 1'-0"



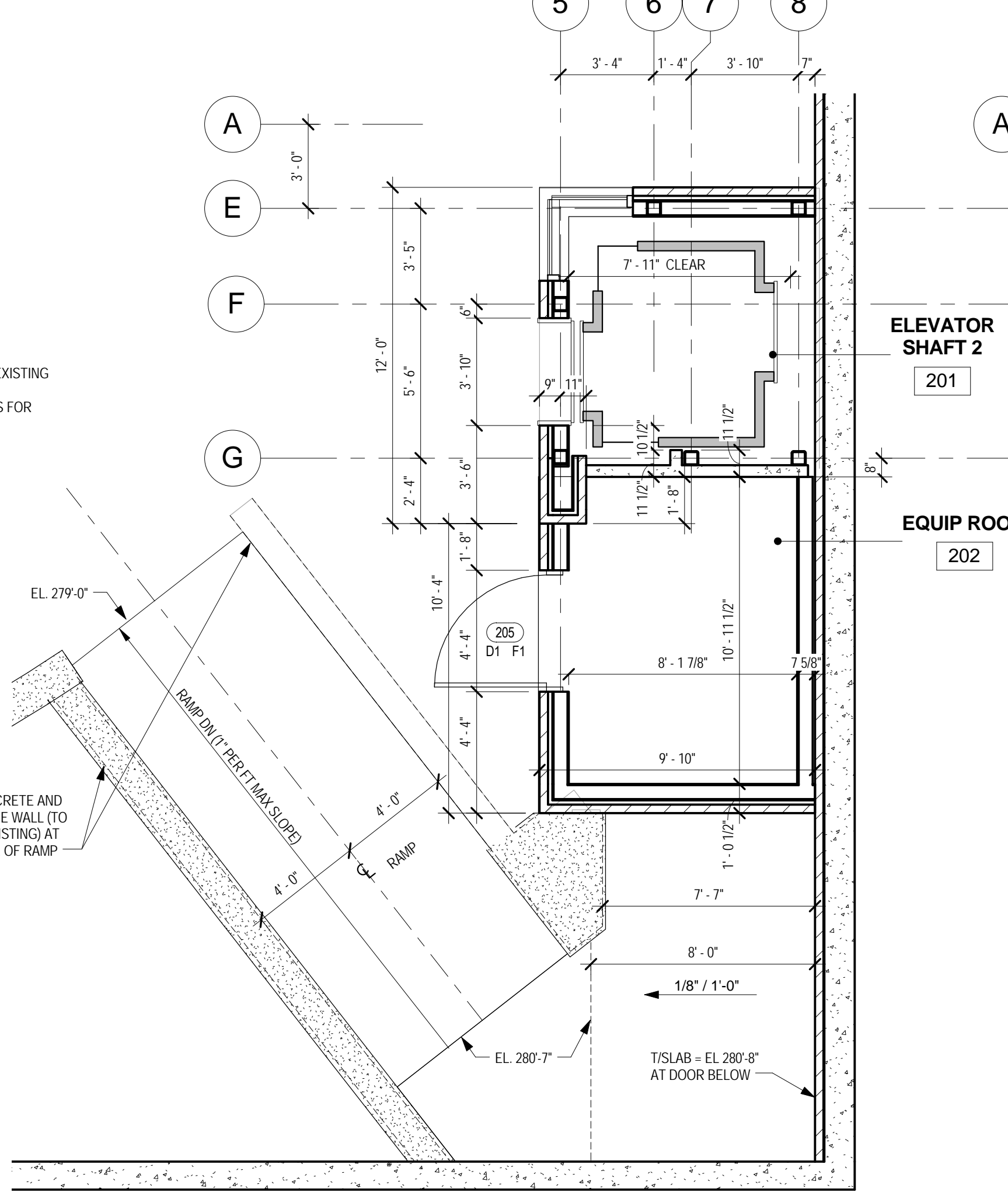
10 ELEV 1 DIMENSION PLAN - MID LEVEL
A1.2 1/4" = 1'-0"



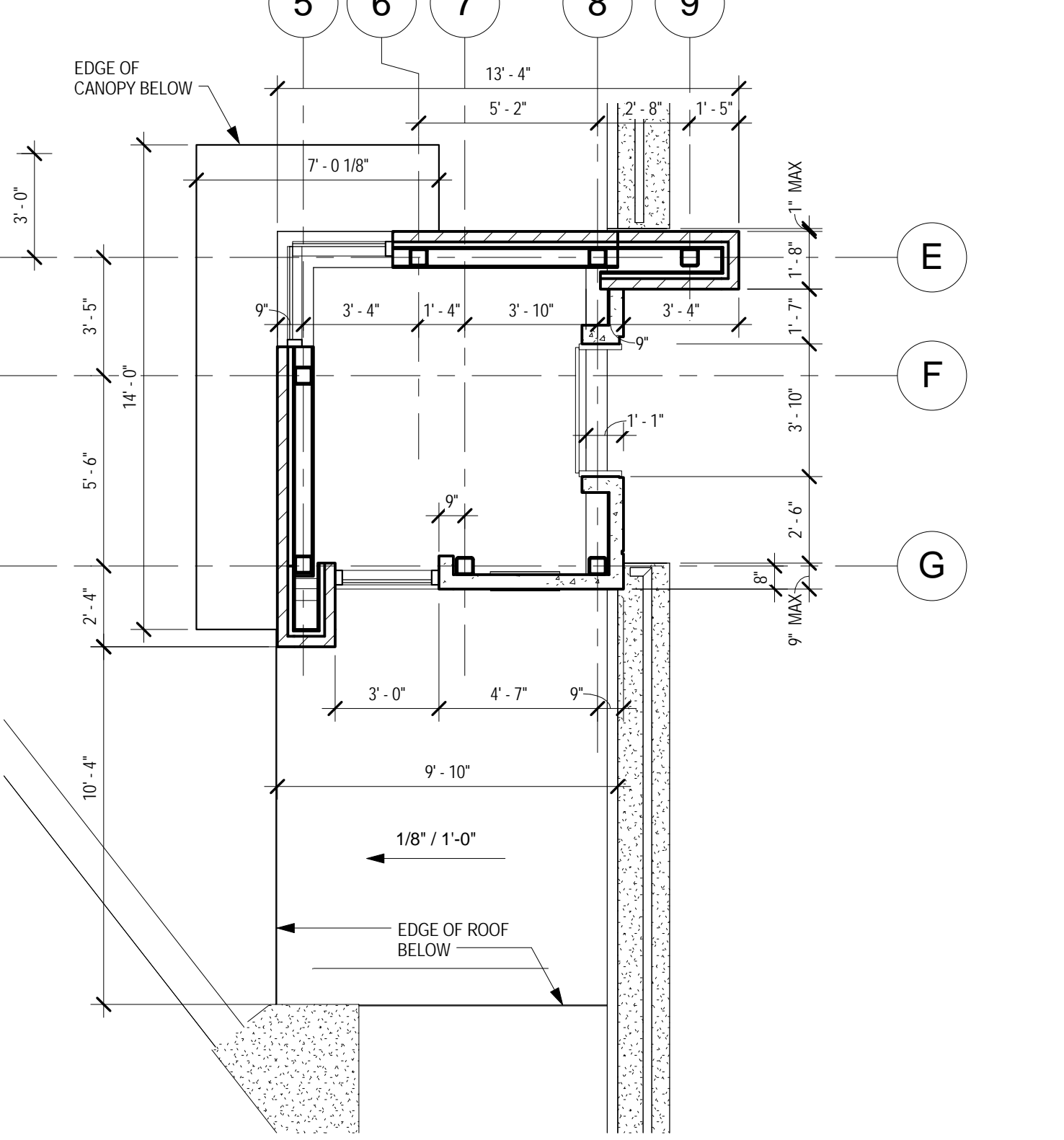
3 ELEV 2 - ENLARGED MID LEVEL PLAN
A1.2 1/4" = 1'-0"



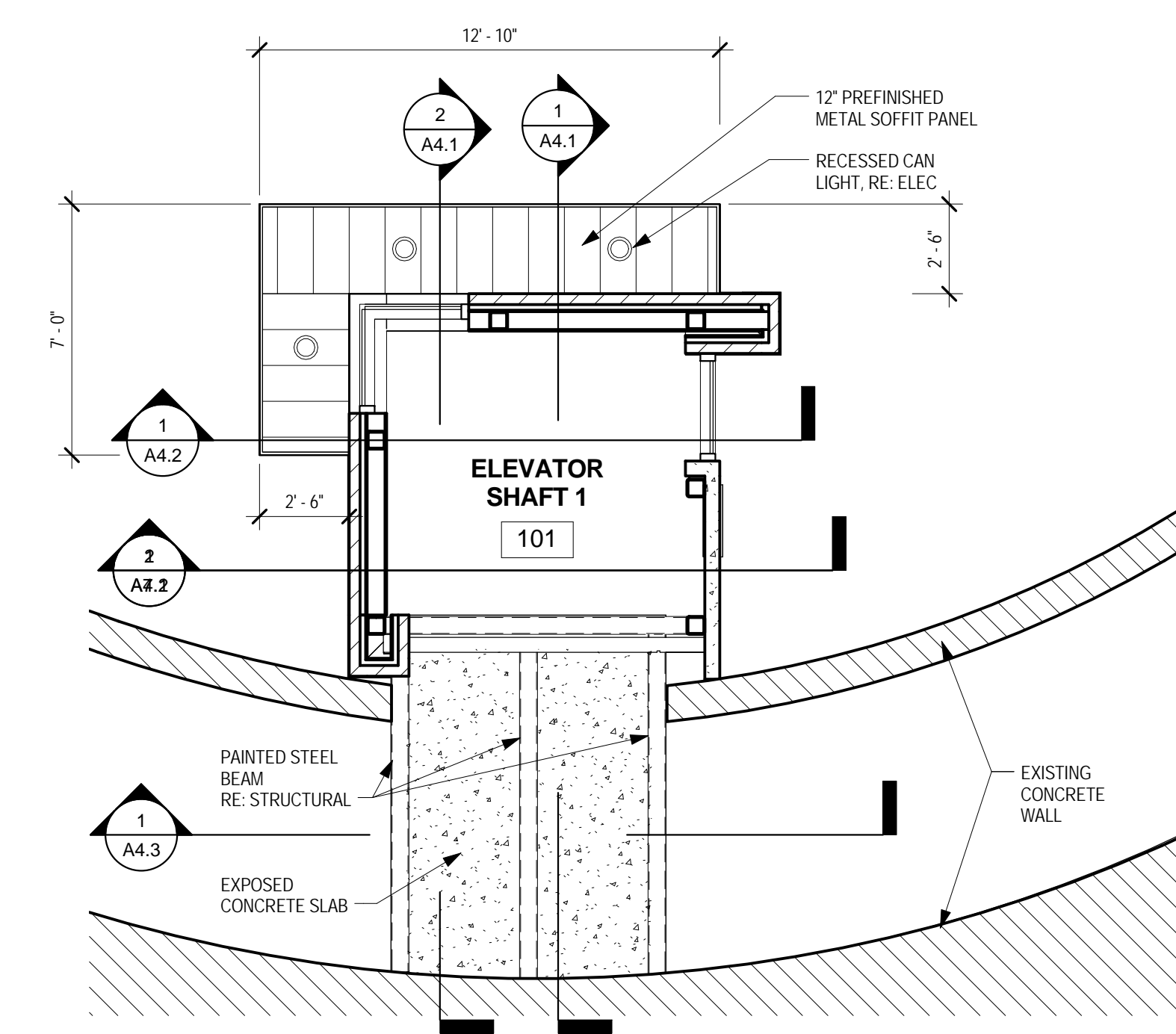
4 ELEV 2 - ENLARGED UPPER PLAZA PLAN
A1.2 1/4" = 1'-0"



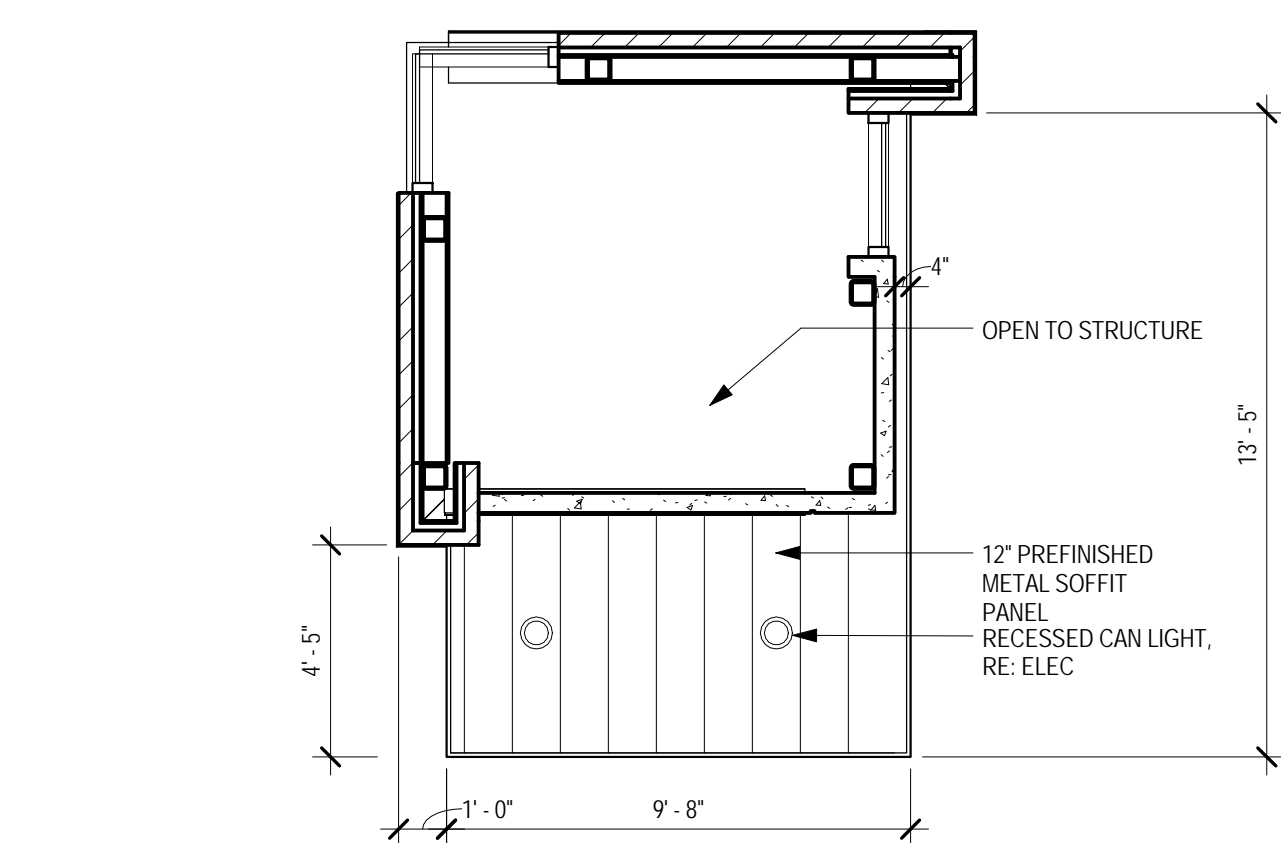
12 ELEV 2 - DIMENSION PLAN - MID LEVEL
A1.2 1/4" = 1'-0"



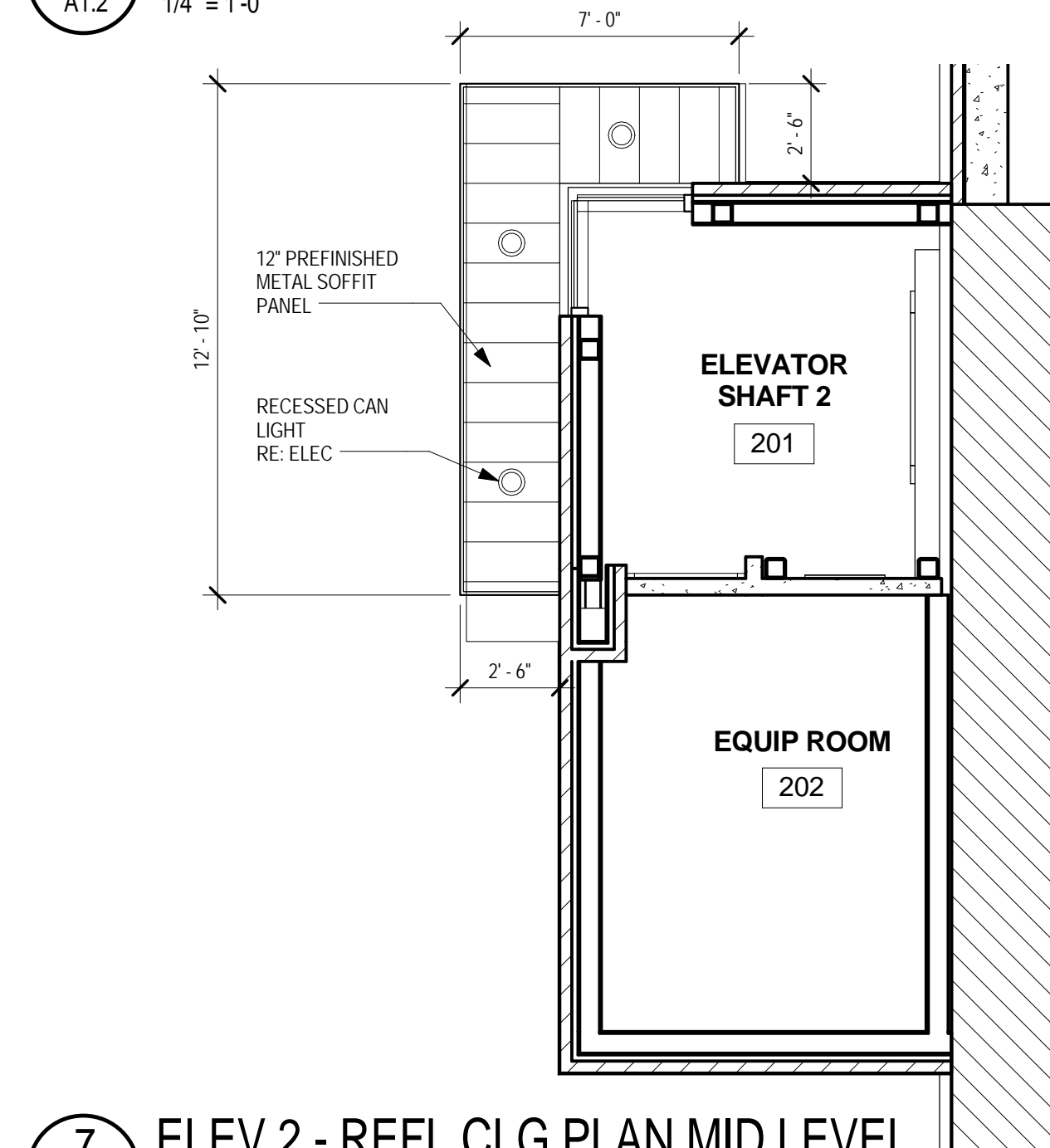
11 ELEV 2 DIMENSION PLAN - UPPER PLAZA
A1.2 1/4" = 1'-0"



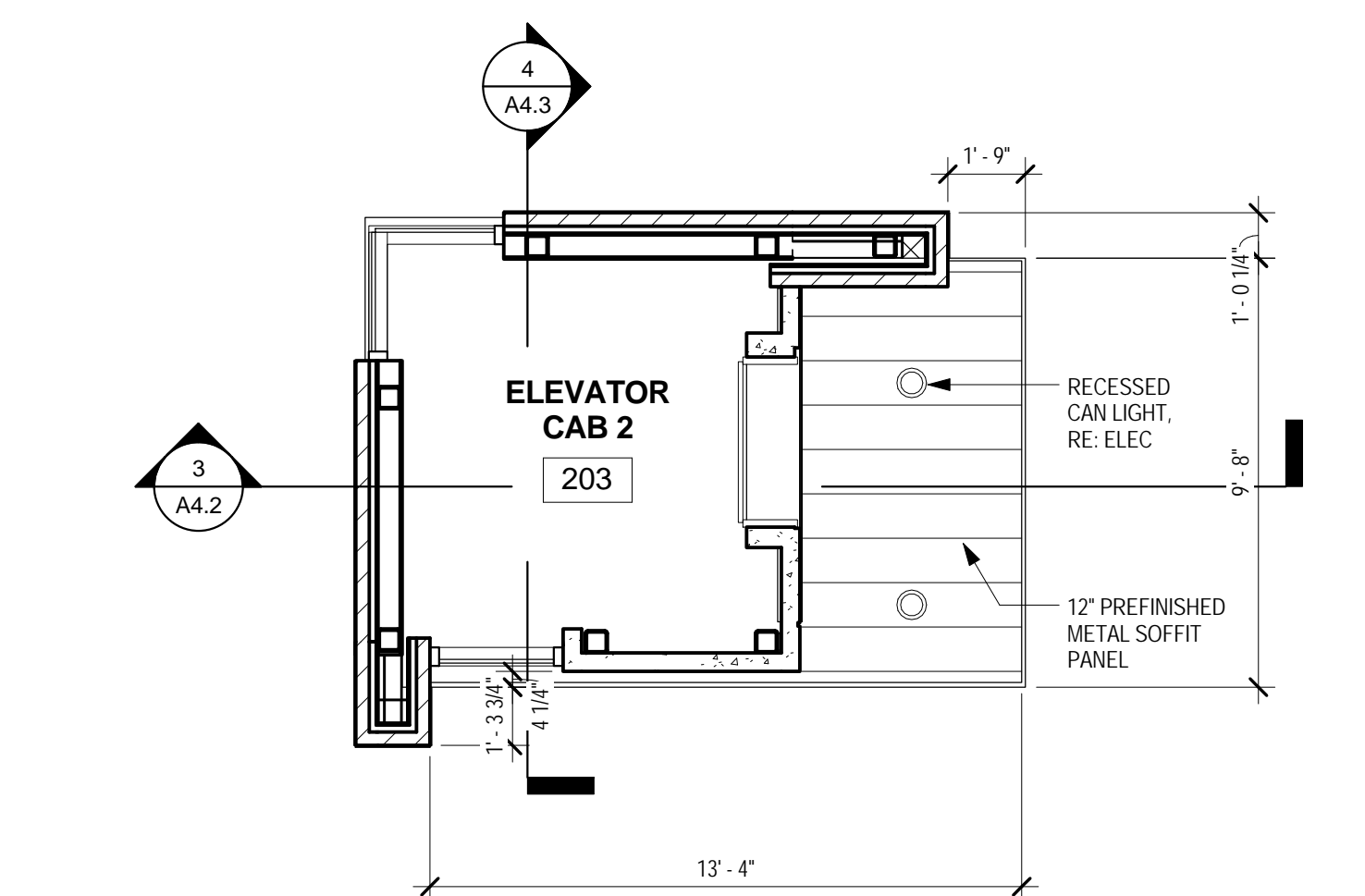
5 ELEV 1 - REFL CLG PLAN LOWER LEVEL
A1.2 1/4" = 1'-0"



6 ELEV 1 - REFL CLG PLAN MID LEVEL
A1.2 1/4" = 1'-0"



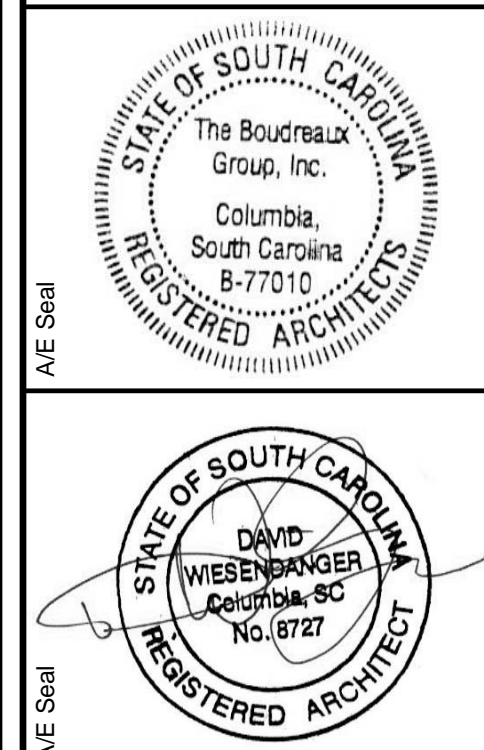
7 ELEV 2 - REFL CLG PLAN MID LEVEL
A1.2 1/4" = 1'-0"



8 ELEV 2 - REFL CLG PLAN UPPER LEVEL
A1.2 1/4" = 1'-0"

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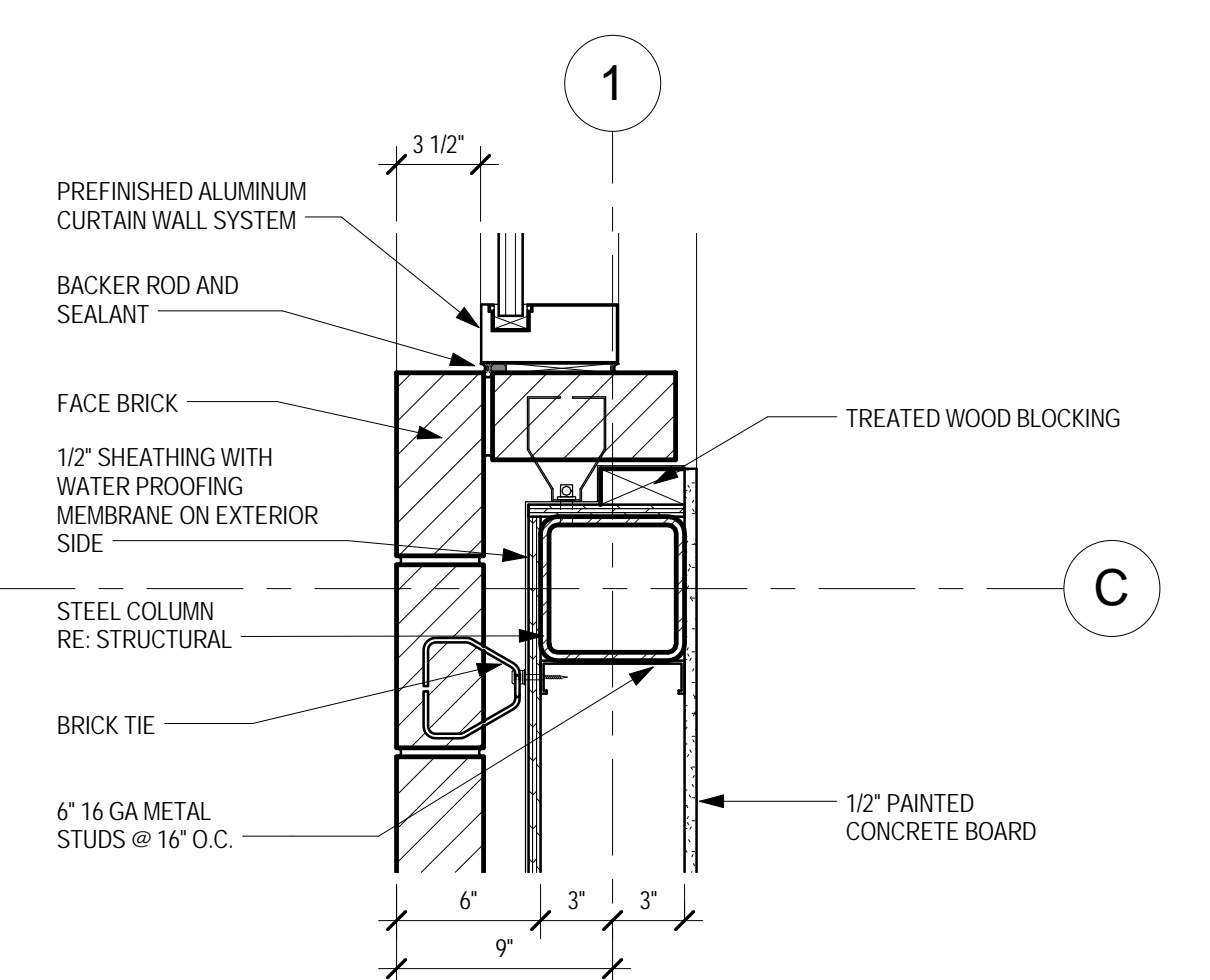


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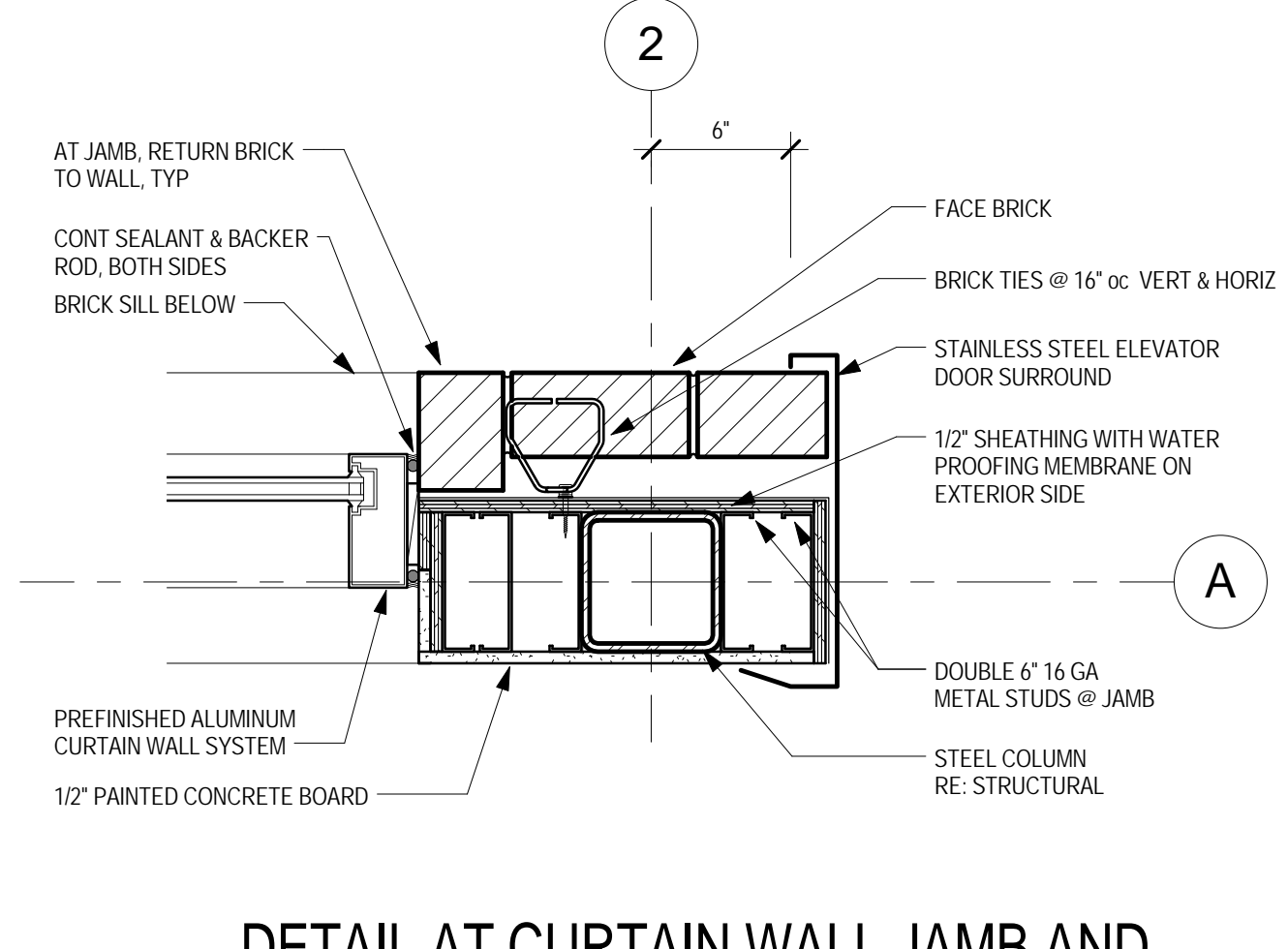
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Drawn By	Author
Checked By	Checker
Author	NOVEMBER 13, 2013
Checker	
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Drawing Title:
FLOOR PLANS, DIMENSION PLANS, REFLECTED CEILING PLANS

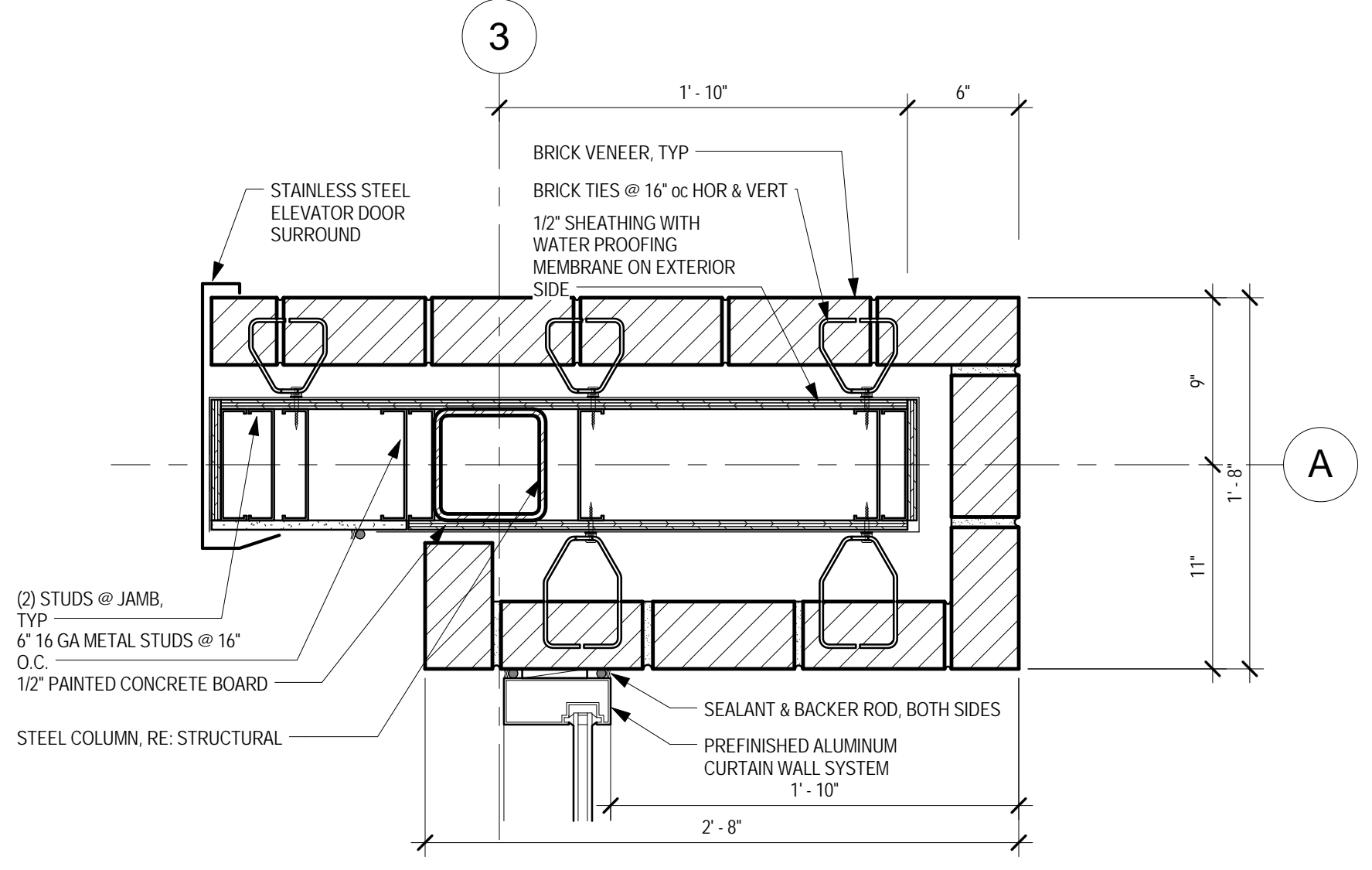
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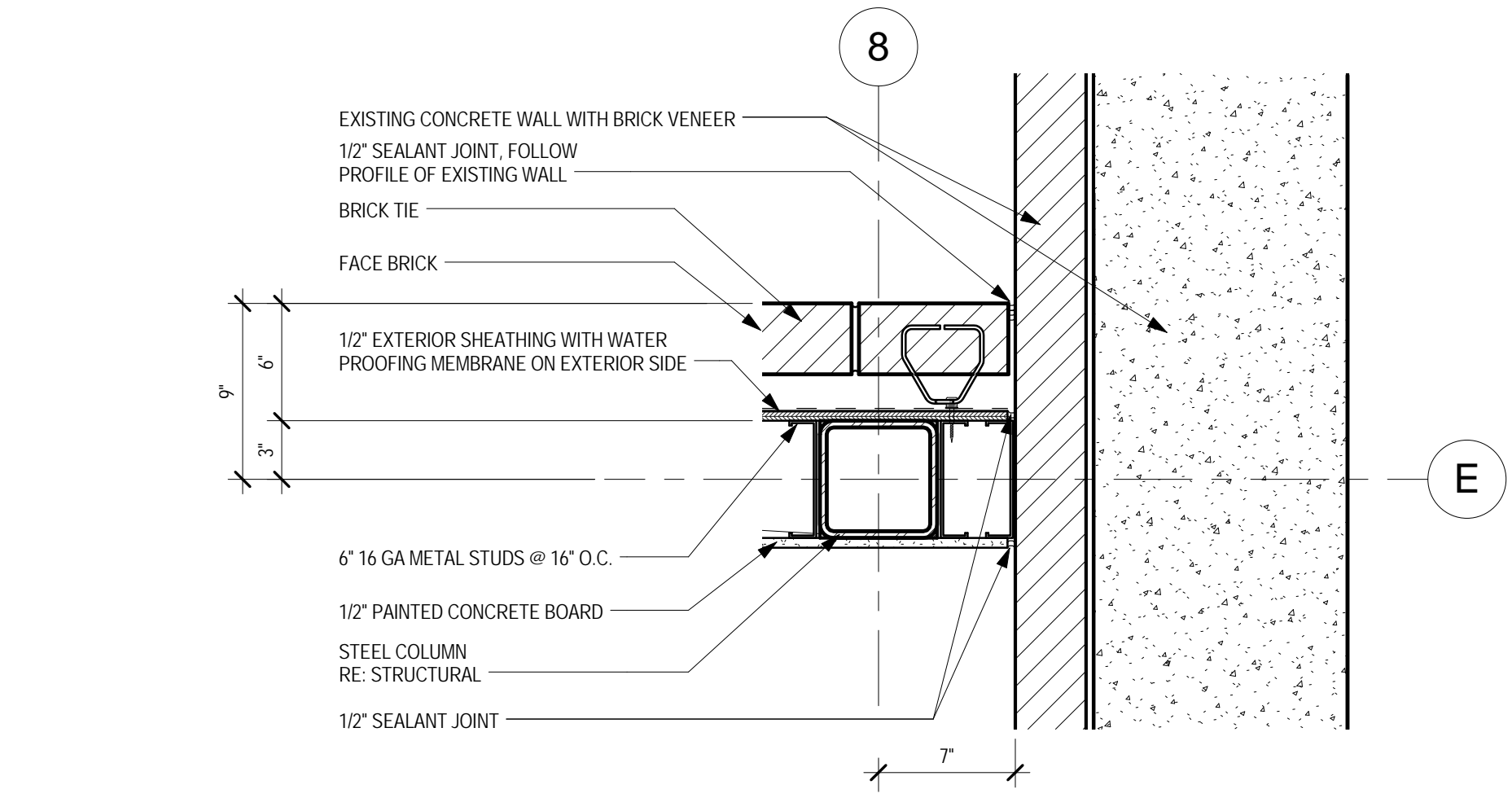
2 TYPICAL DETAIL AT CURTAINWALL JAMB
A2.1 1 1/2" = 1'-0"



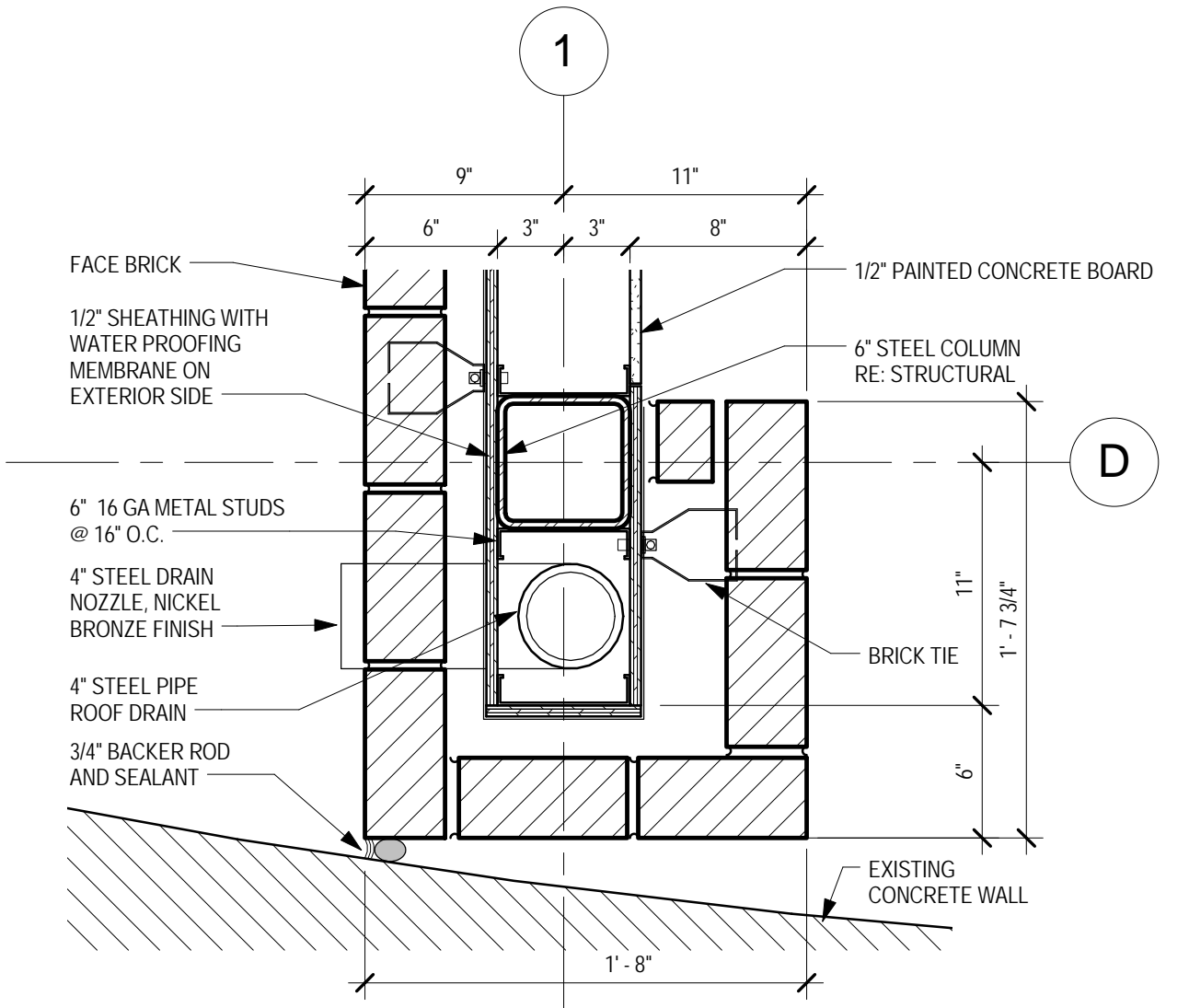
3 DETAIL AT CURTAIN WALL JAMB AND ELEVATOR DOOR
A2.1 1 1/2" = 1'-0"



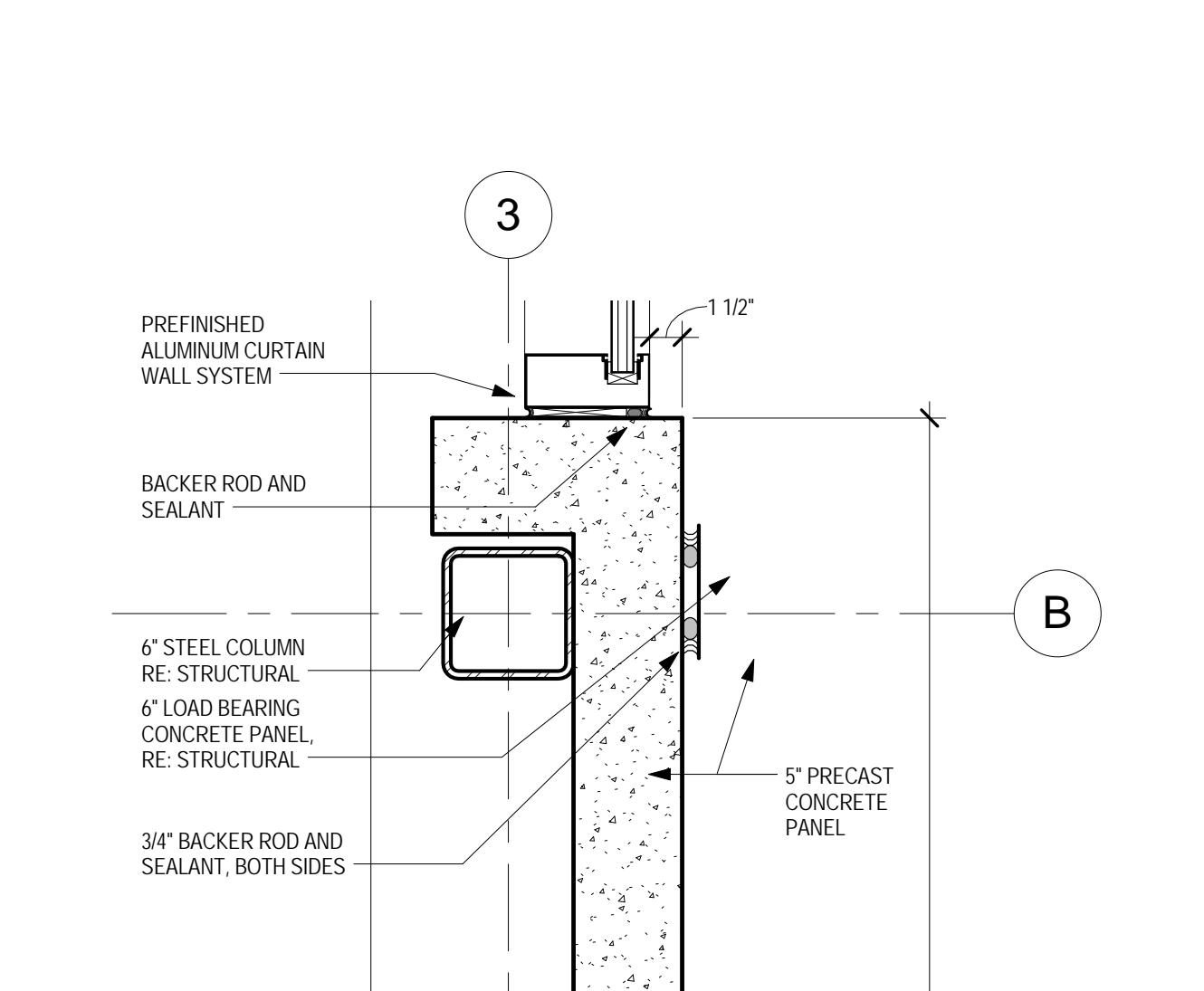
4 TYP DETAIL AT BRICK WING WALL
A2.1 1 1/2" = 1'-0"



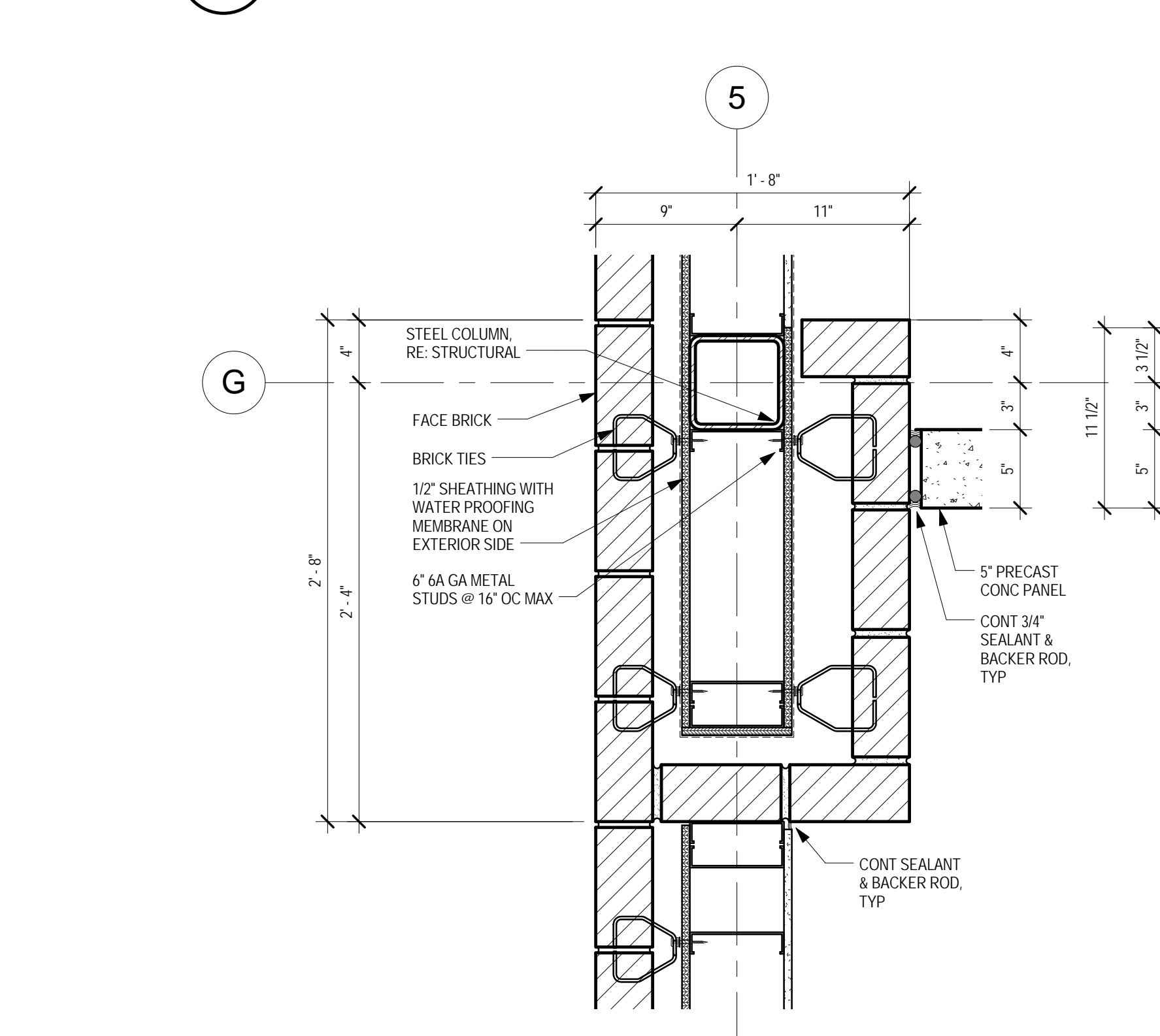
10 DETAIL AT BRICK INTERSECTION OF EXISTING WALL - ELEV 2
A2.1 1 1/2" = 1'-0"



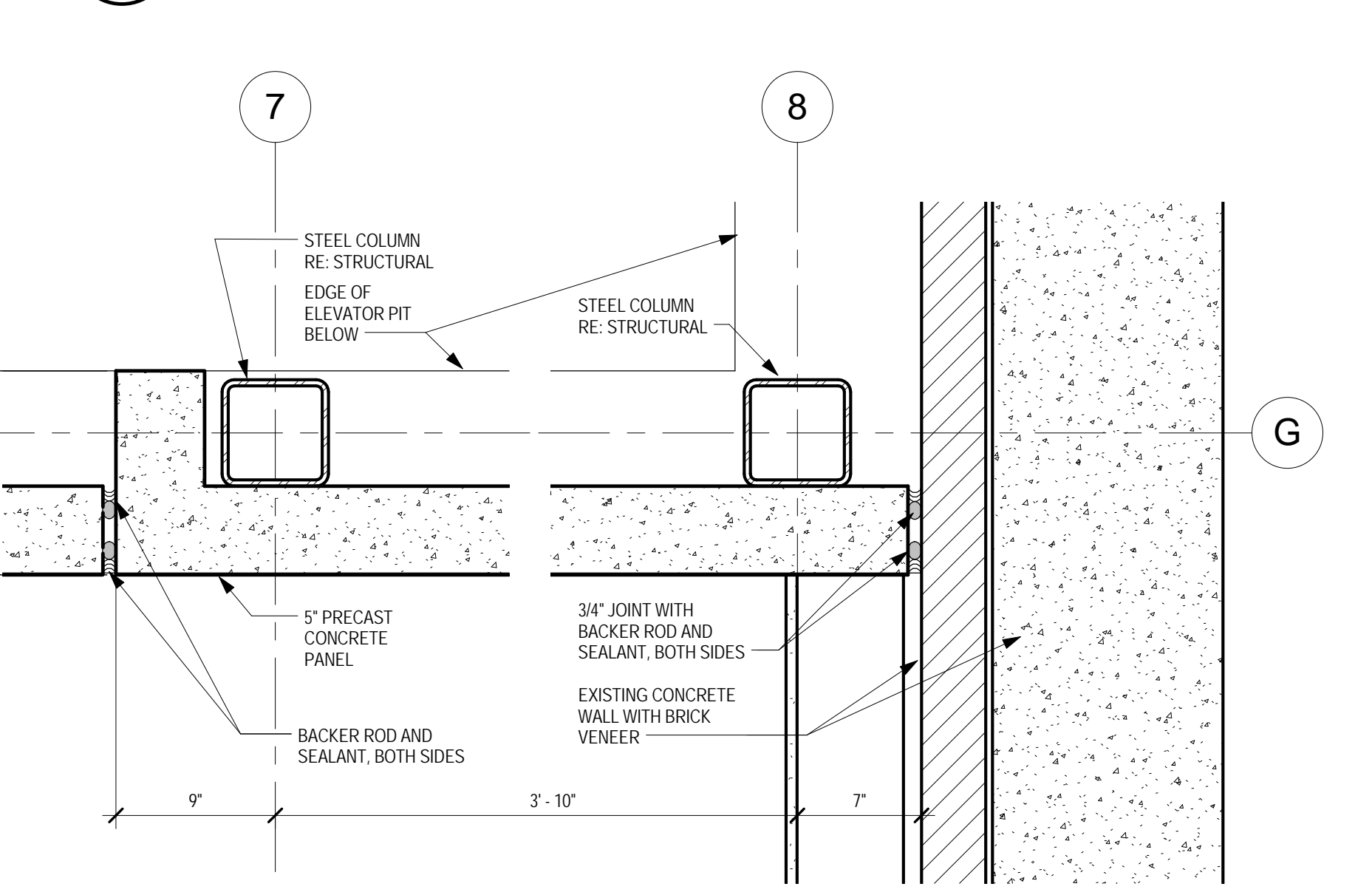
1 DETAIL AT BRICK WING WALL - ELEV 1
A2.1 1 1/2" = 1'-0"



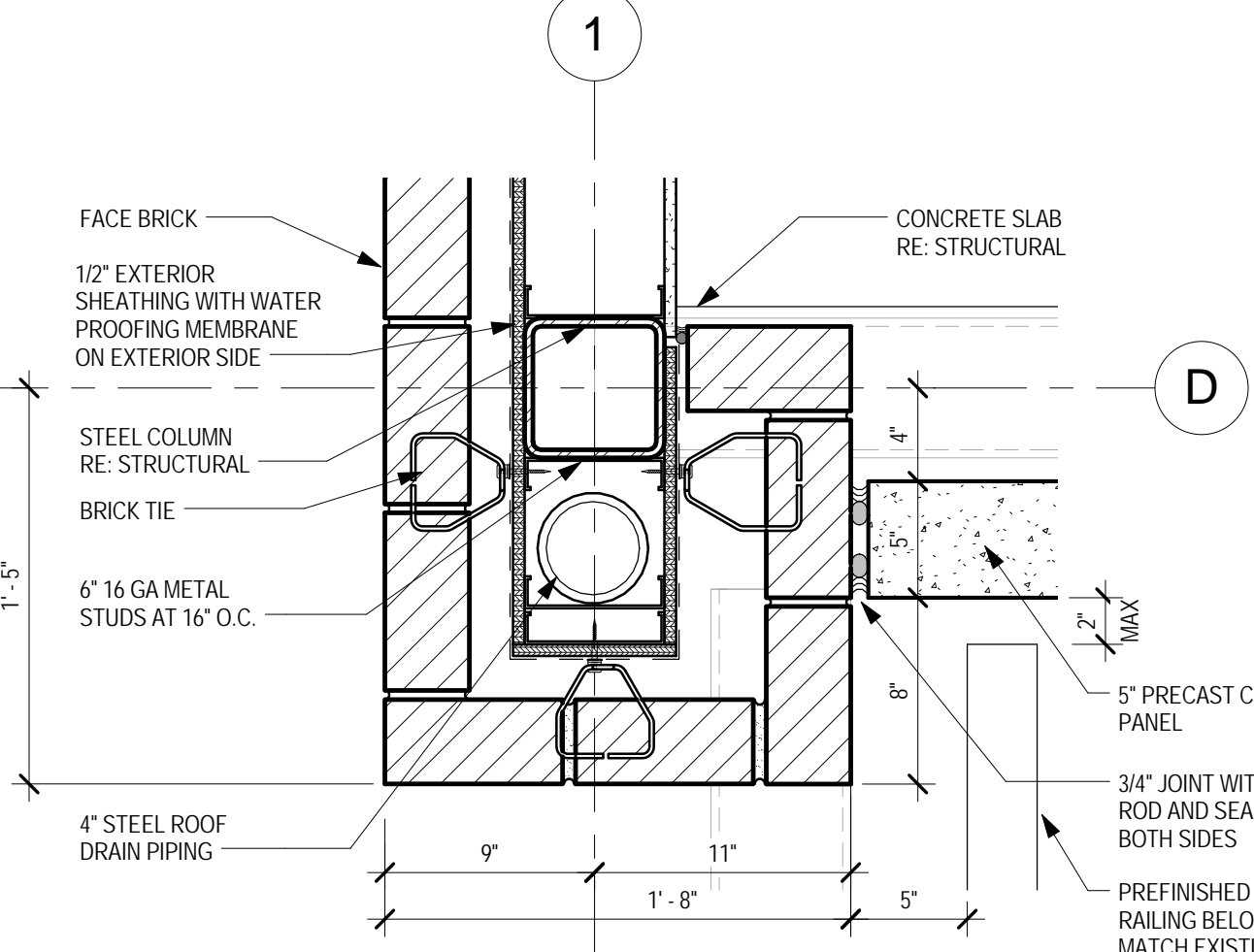
7 DETAIL AT PRECAST PANEL AND EXISTING WALL - ELEV 2
A2.1 1 1/2" = 1'-0"



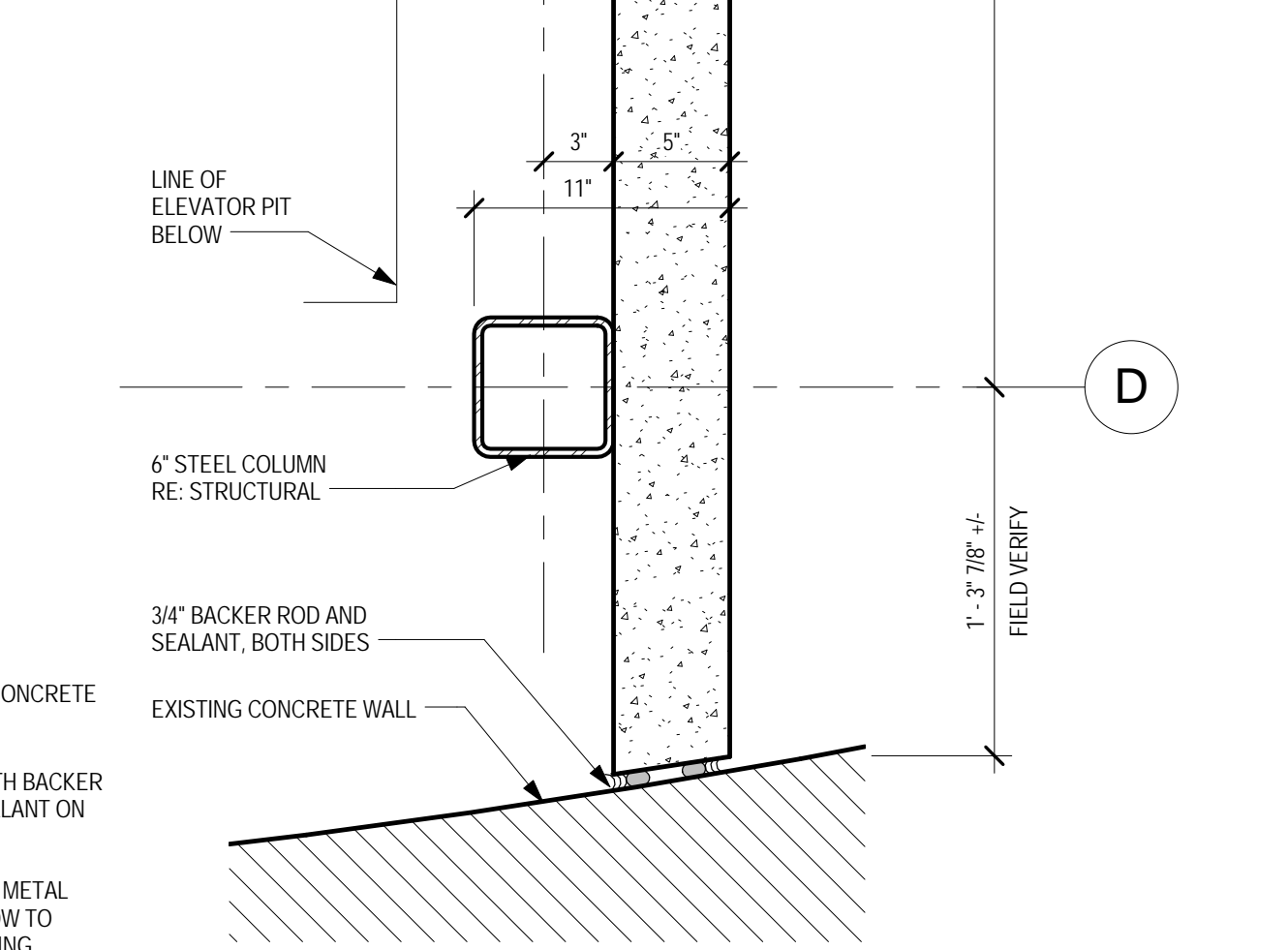
12 DETAIL AT MID-LEVEL
A2.1 1 1/2" = 1'-0"



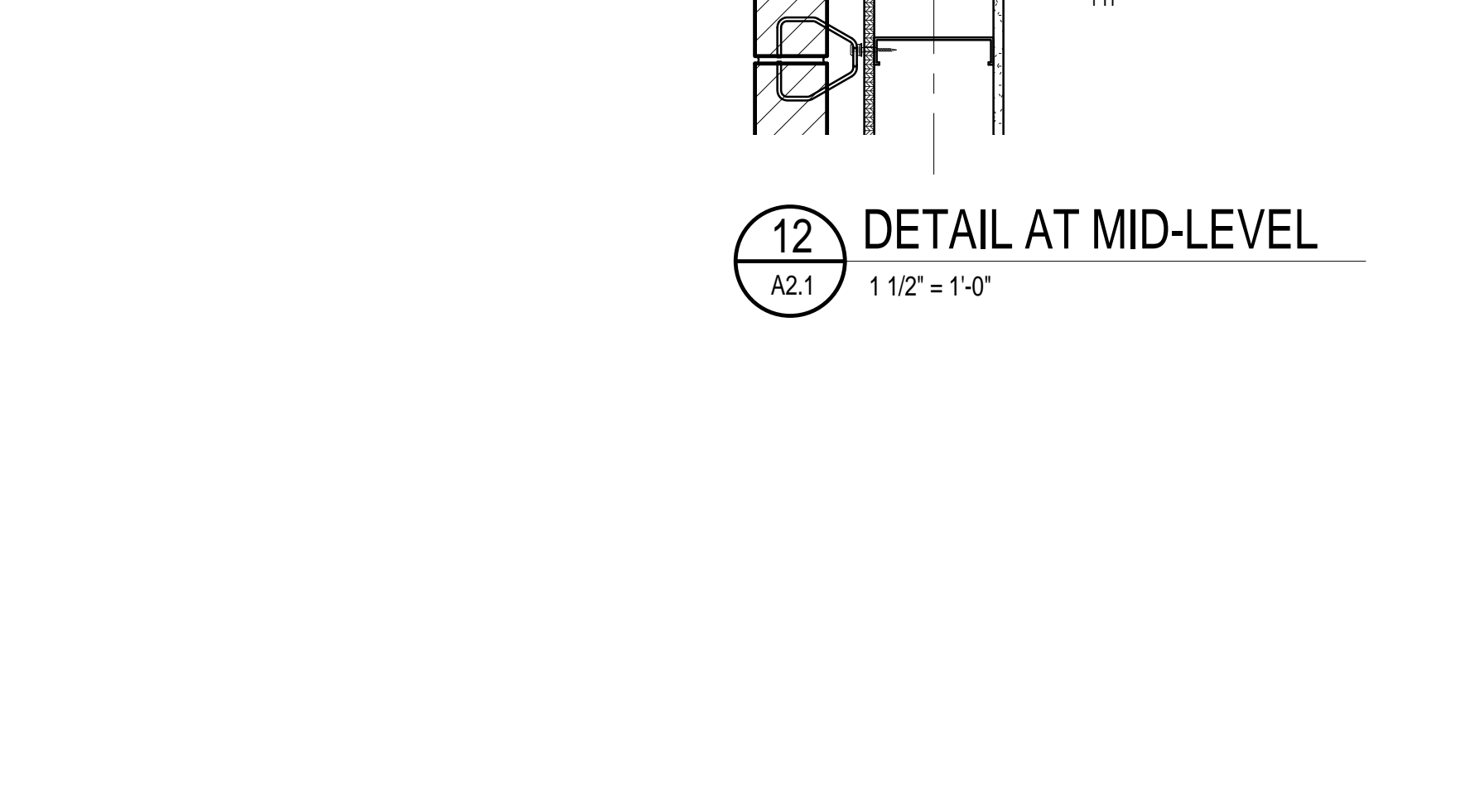
11 DETAIL AT PRECAST PANEL AND EXISTING WALL - ELEV 2
A2.1 1 1/2" = 1'-0"



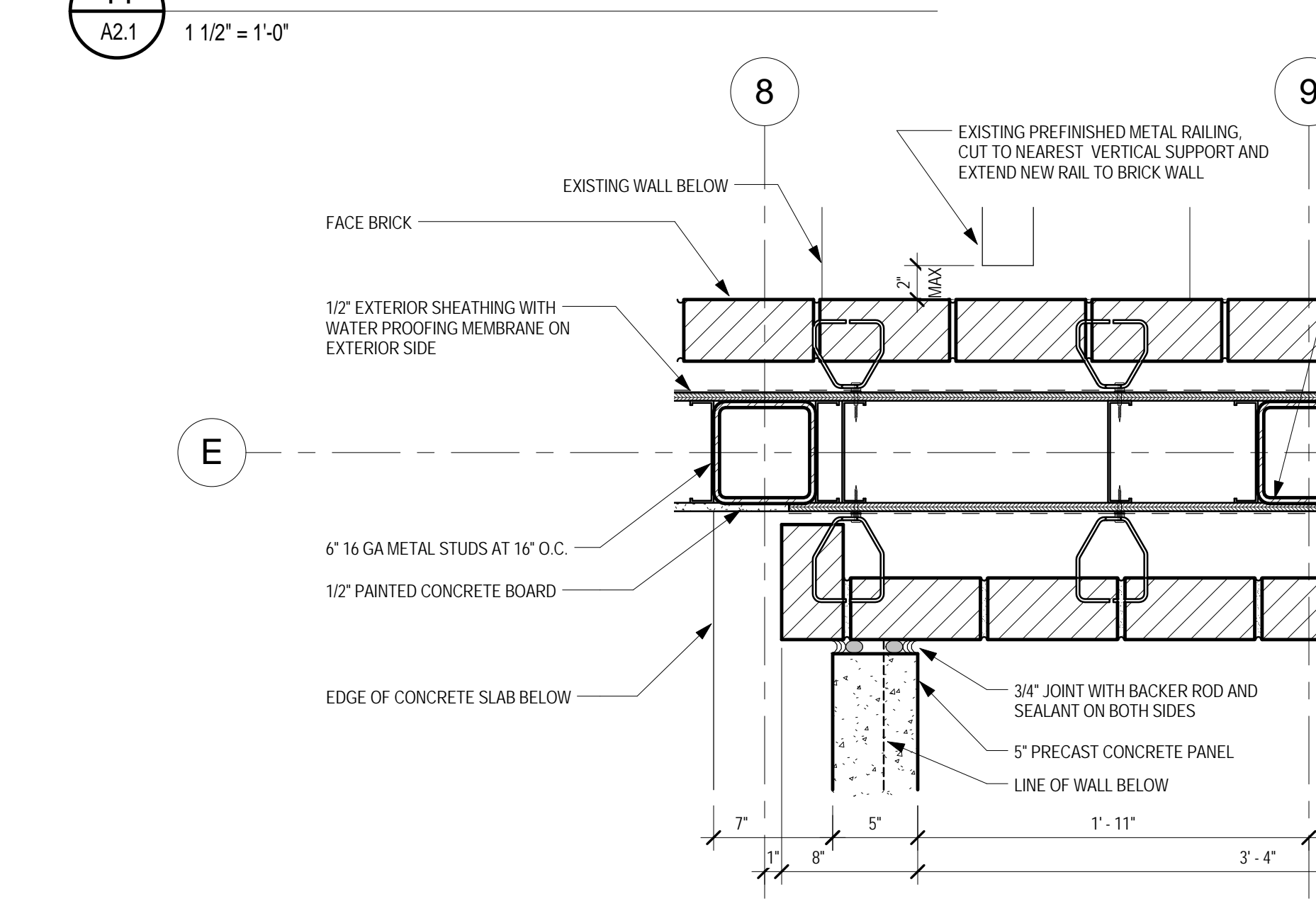
7 TYP. DETAIL AT BRICK WING WALL - MID LEVEL
A2.1 1 1/2" = 1'-0"



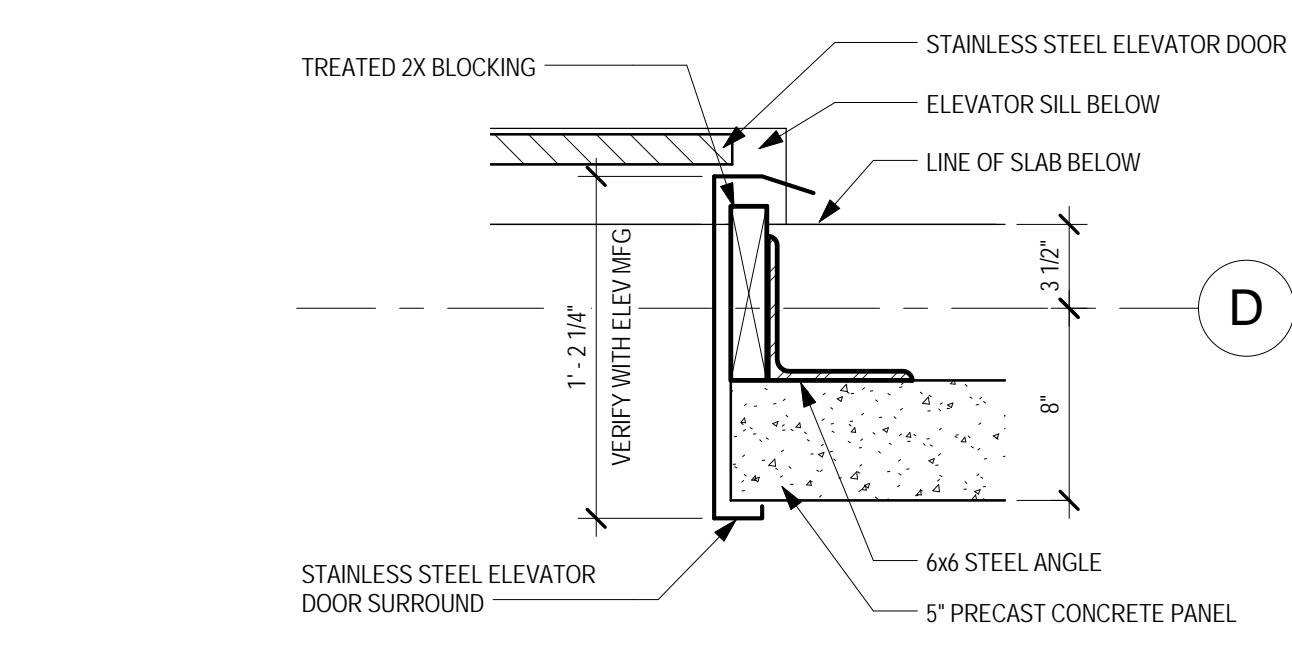
5 DETAIL AT PRECAST CONCRETE PANEL AND EXISTING WALL
A2.1 1 1/2" = 1'-0"



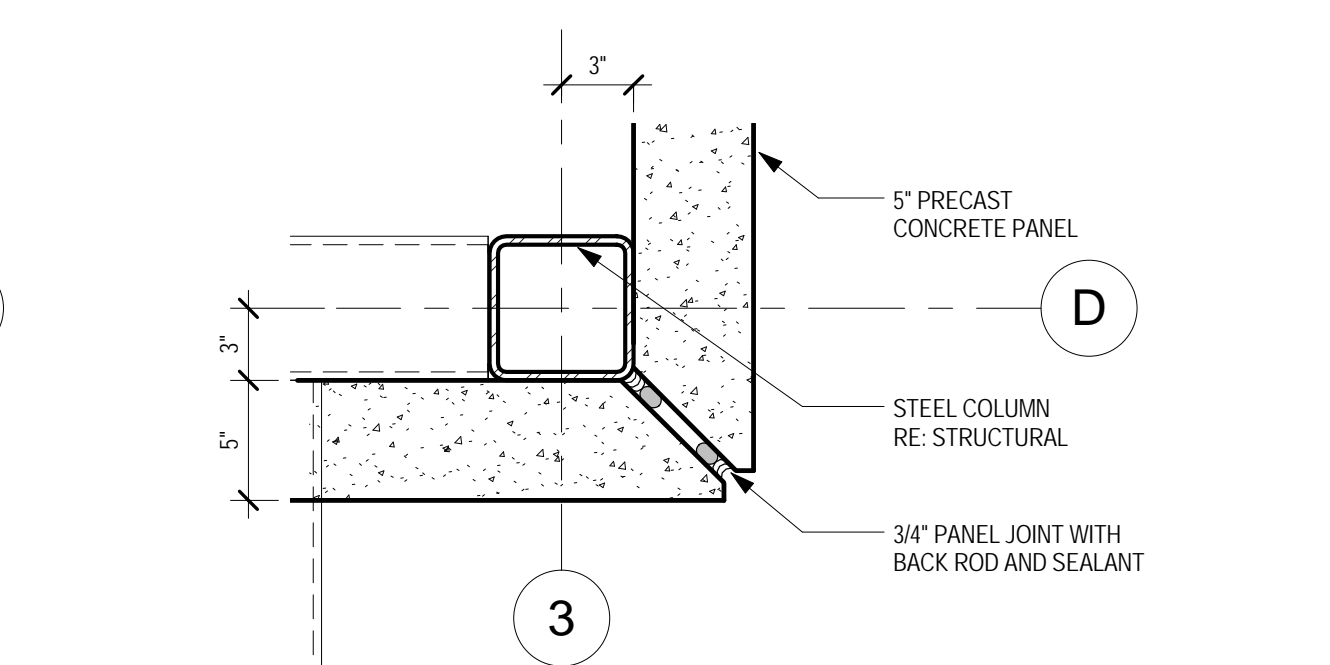
12 DETAIL AT MID-LEVEL
A2.1 1 1/2" = 1'-0"



13 DETAIL ELEV 2 WING WALL - UPPER PLAZA
A2.1 1 1/2" = 1'-0"



8 ELEVATOR DOOR JAMB DETAIL IN PRECAST PANEL
A2.1 1 1/2" = 1'-0"

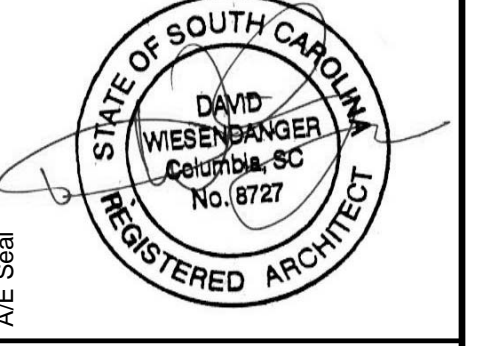
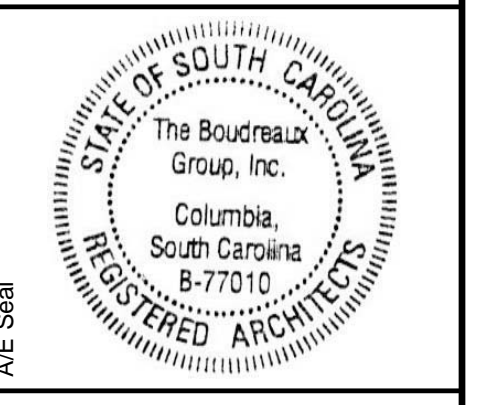


9 TYP. PRECAST CORNER
A2.1 1 1/2" = 1'-0"



14 PRECAST CORNER DETAIL - ELEV 2 UPPER LEVEL
A2.1 1 1/2" = 1'-0"

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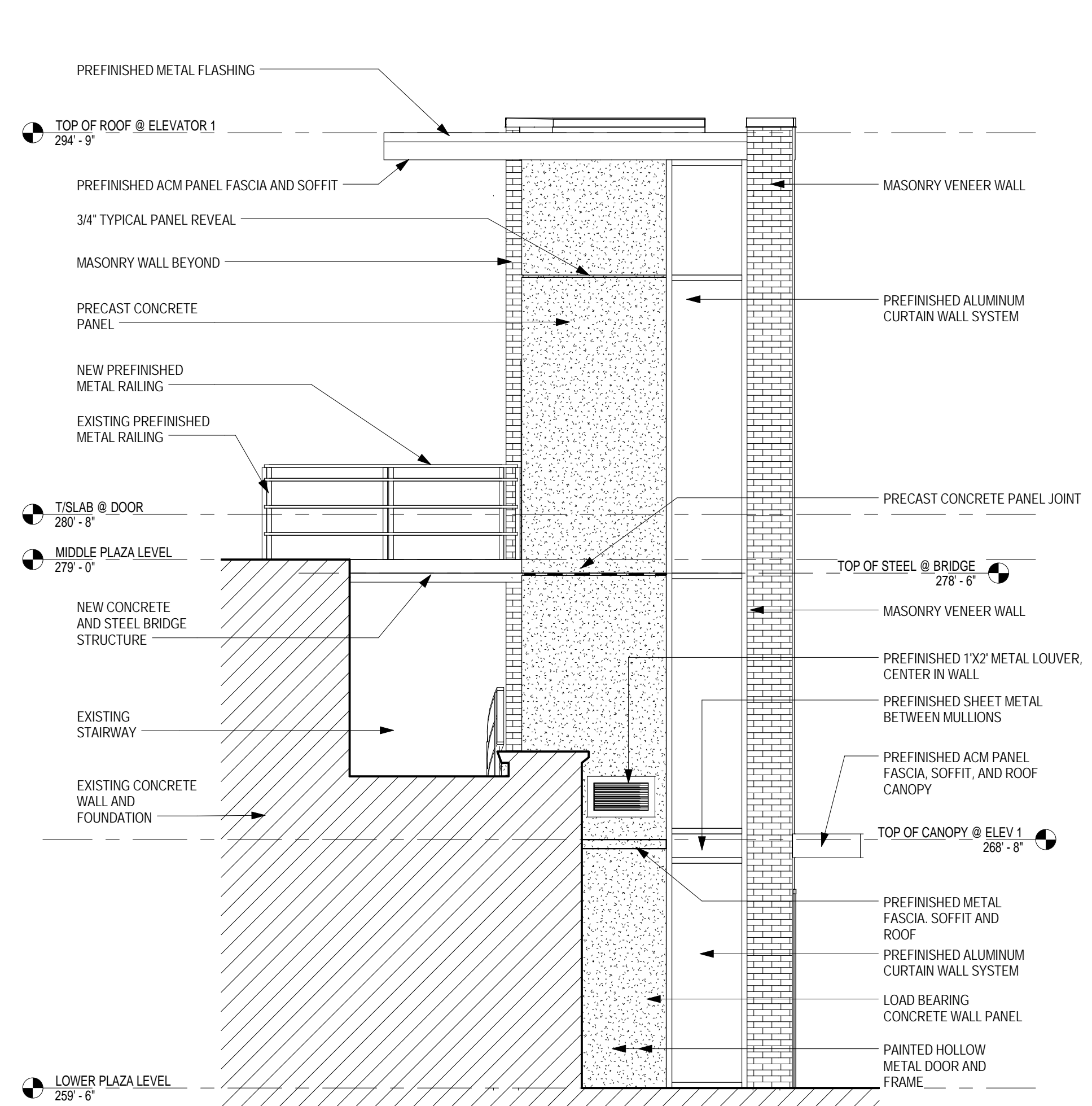


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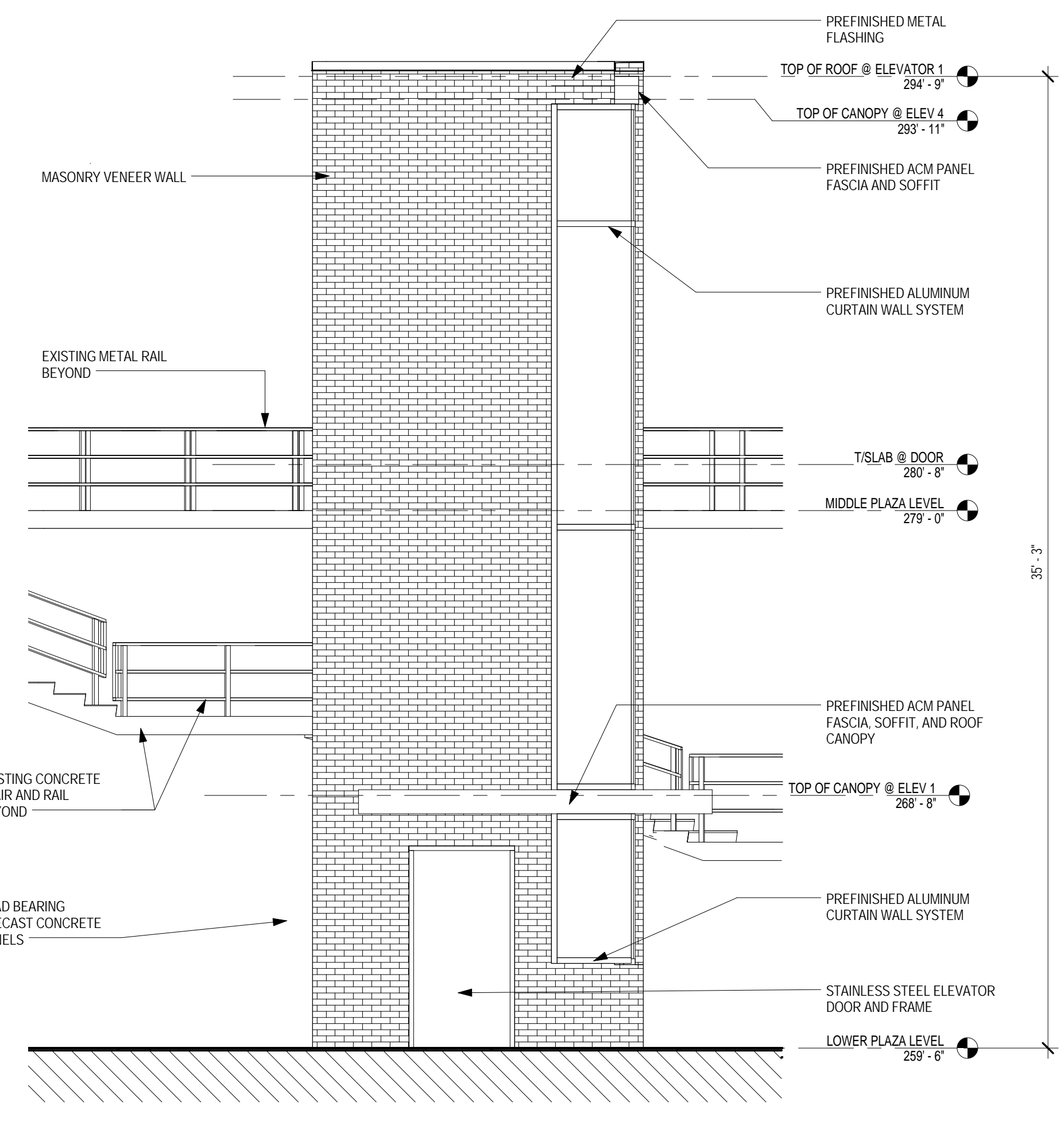
Project Number	H27-2010
Date	
Drawn By	Author
Checked By	Checker
Checked By	Checker
NOVEMBER 13, 2013	

Drawing Title:
PLAN DETAILS

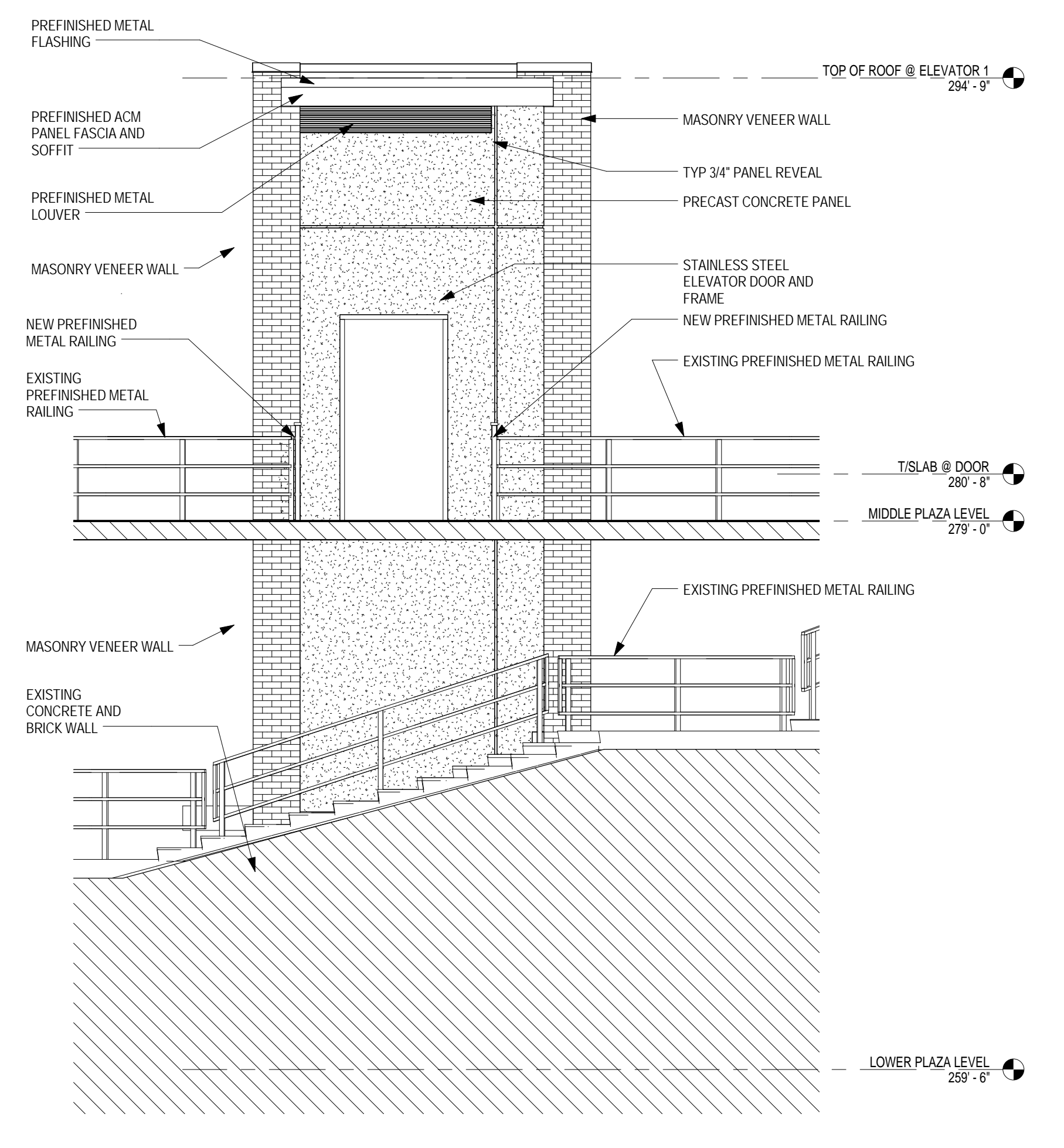
Drawing No.
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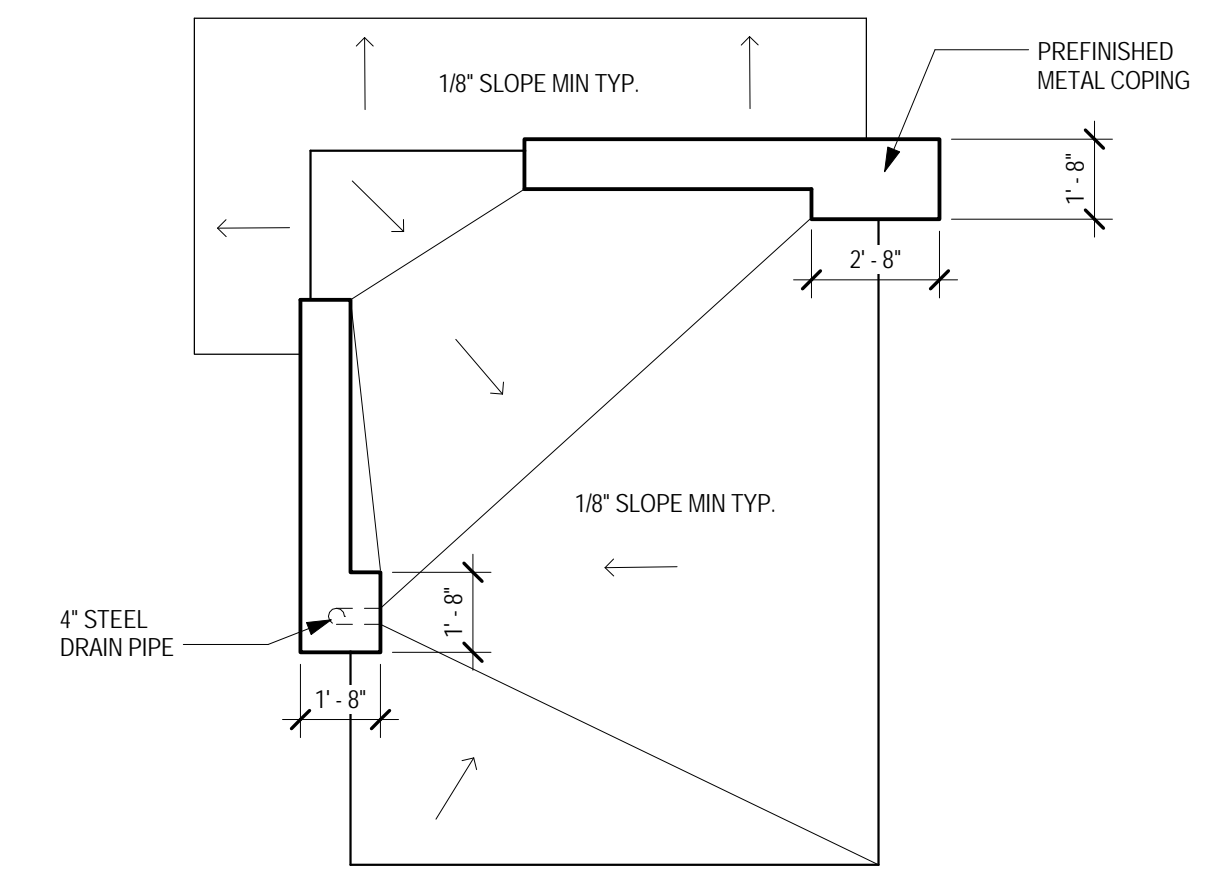
1 EAST ELEVATION ELEVATOR 1
A3.1 1/4" = 1'-0"



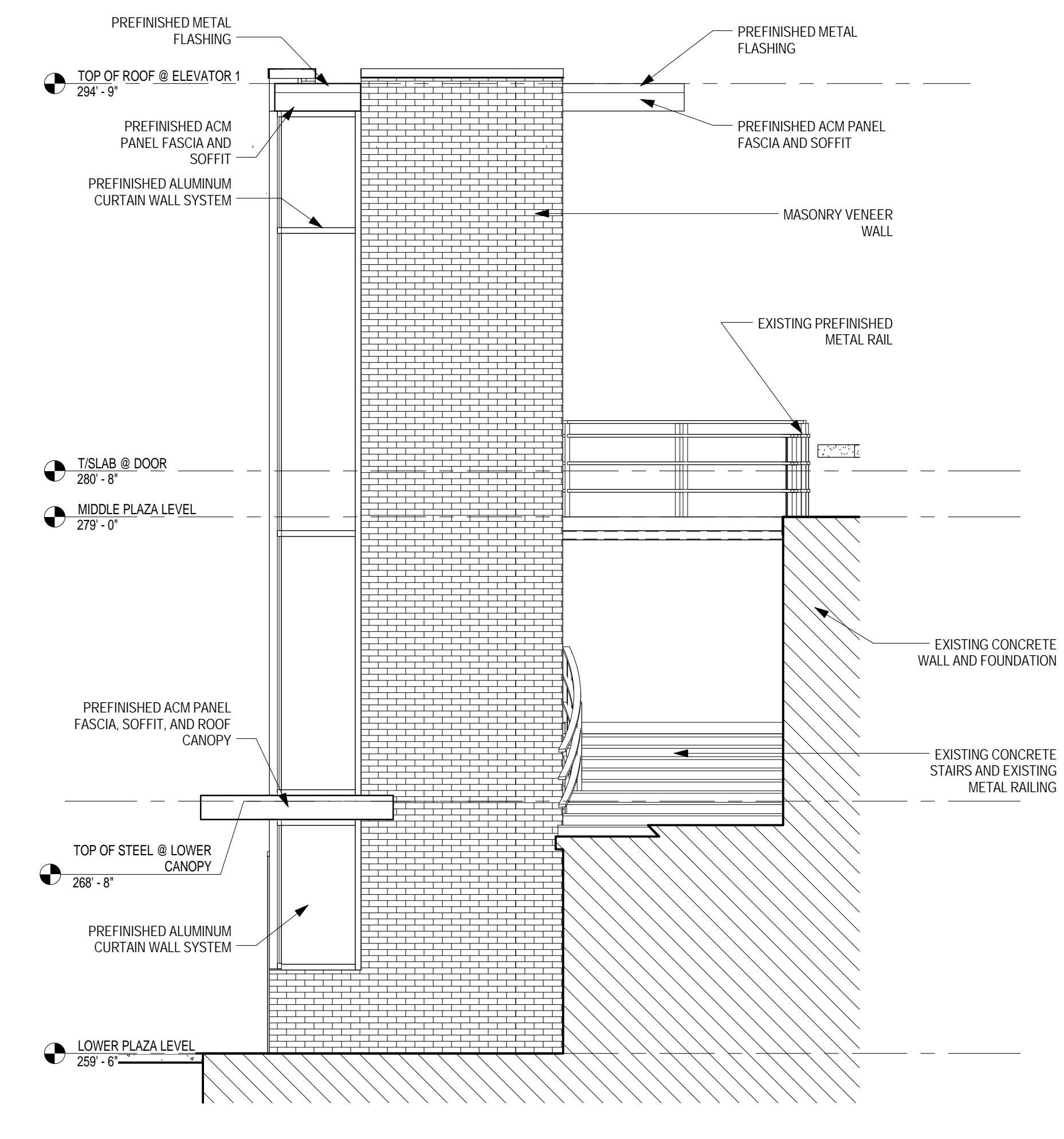
2 NORTH ELEVATION ELEVATOR 1
A3.1 1/4" = 1'-0"



3 SOUTH ELEVATION ELEVATOR 1
A3.1 1/4" = 1'-0"

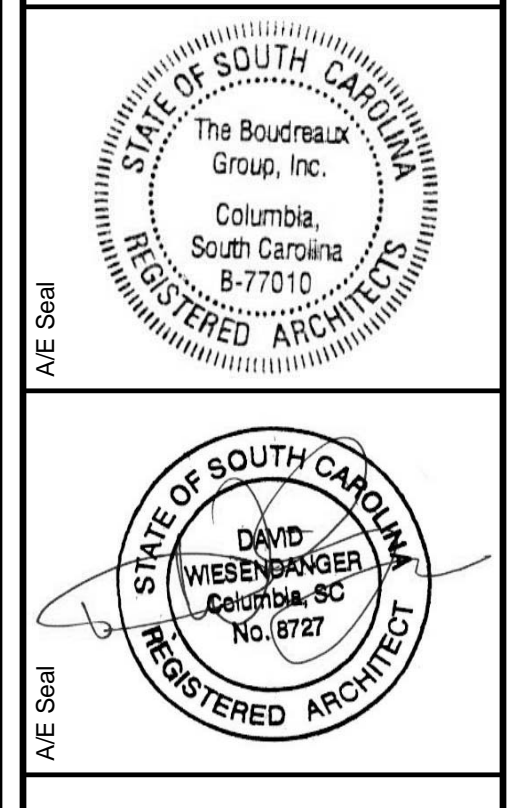


5 ELEVATOR 1 ROOF PLAN
A3.1 1/4" = 1'-0"



4 WEST ELEVATION ELEVATOR 1
A3.1 1/4" = 1'-0"

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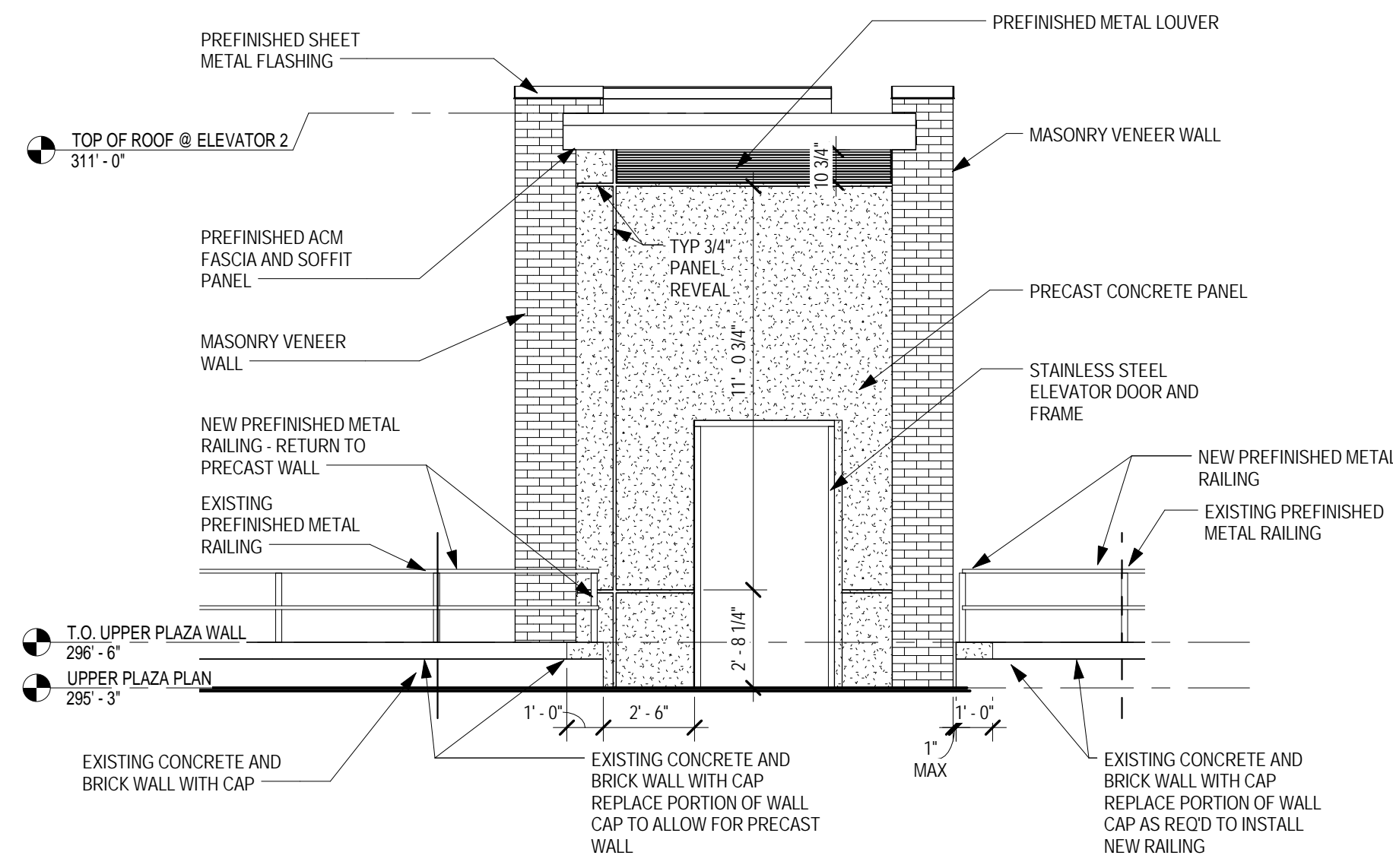


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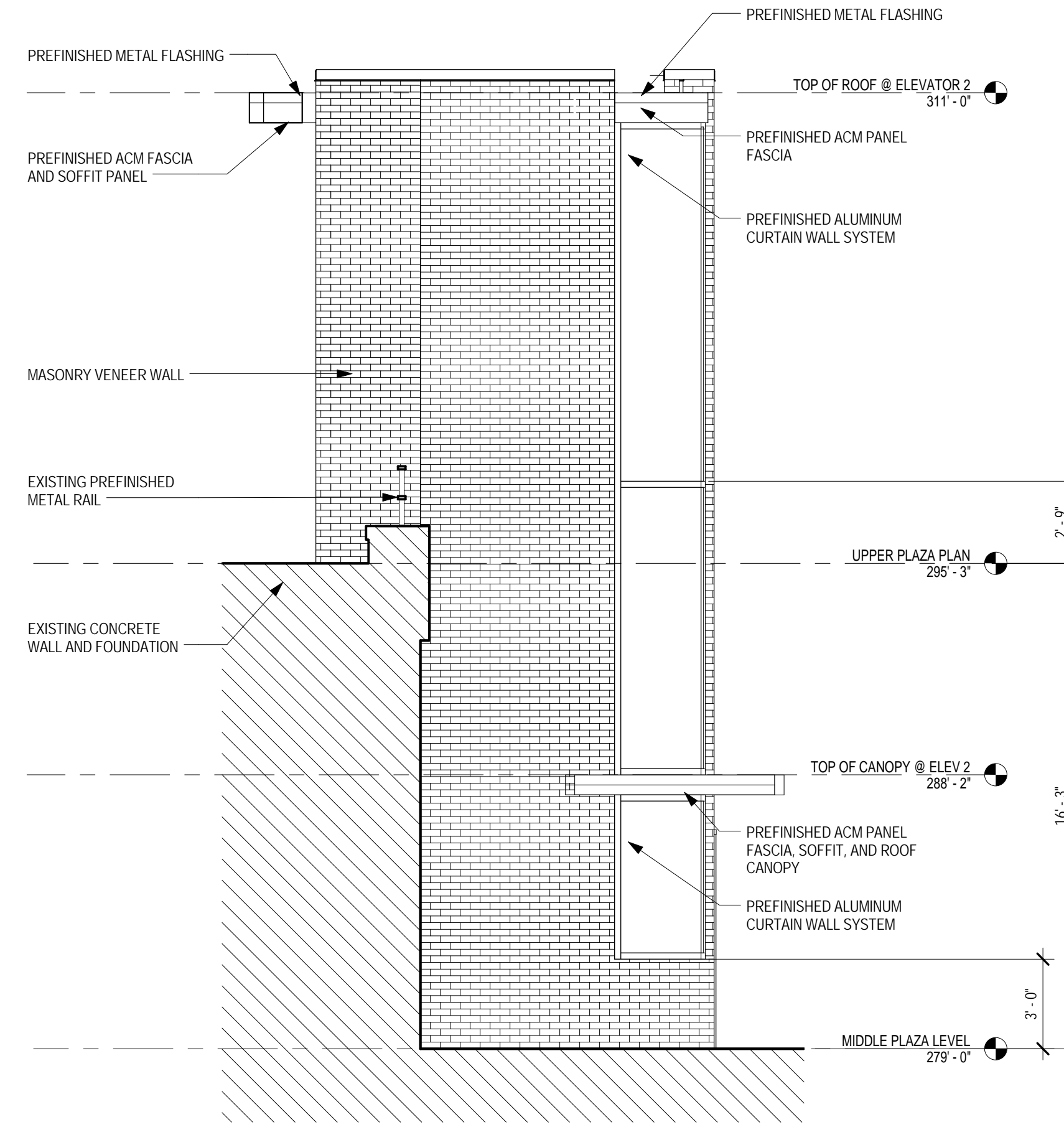
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			H27-2010
			Drawn By
			Author
			Checked By
			Checker
			NOVEMBER 13, 2013

Drawing Title:
ELEVATIONS - ELEVATOR 1

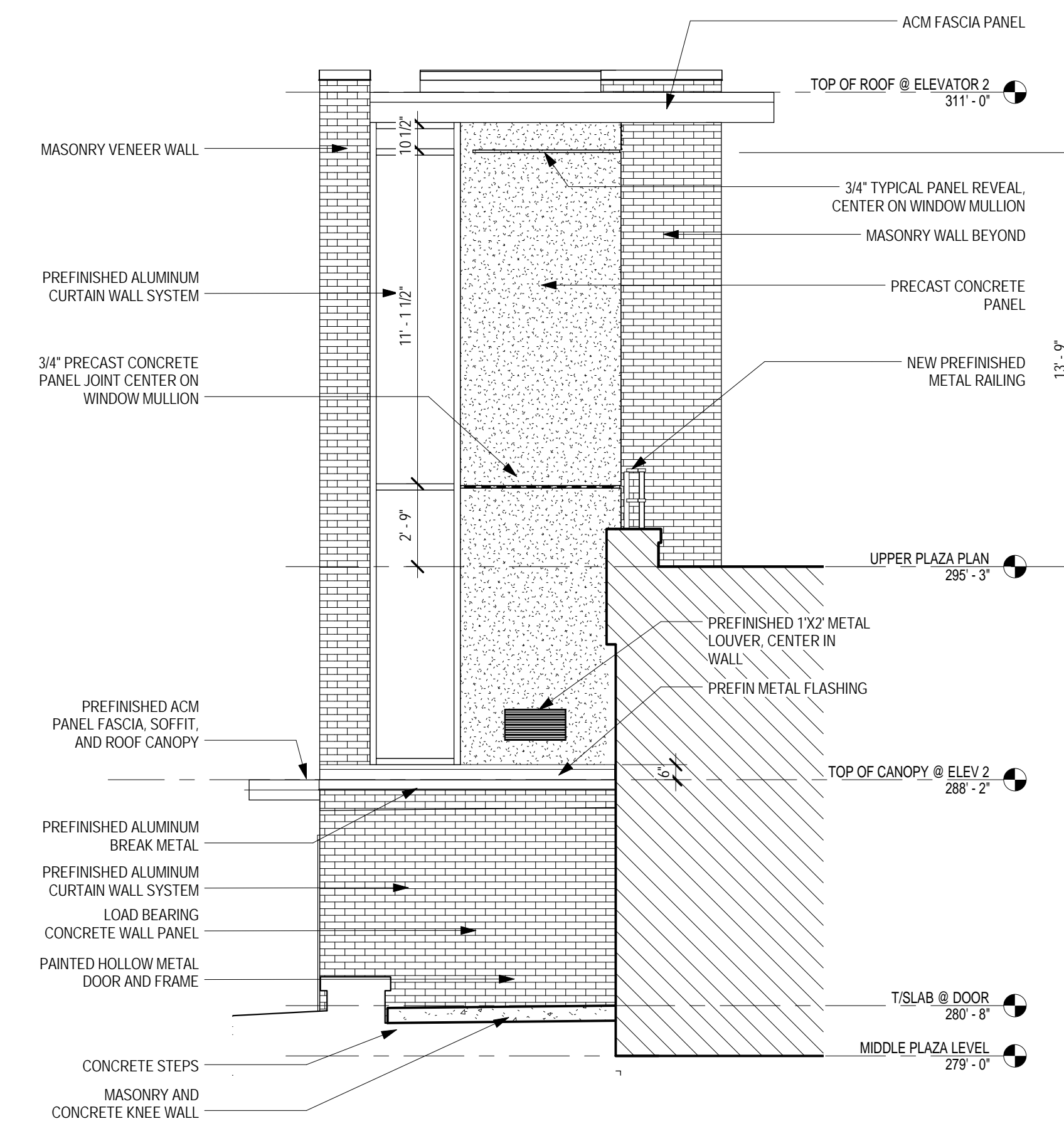
Drawing No.
A3.1



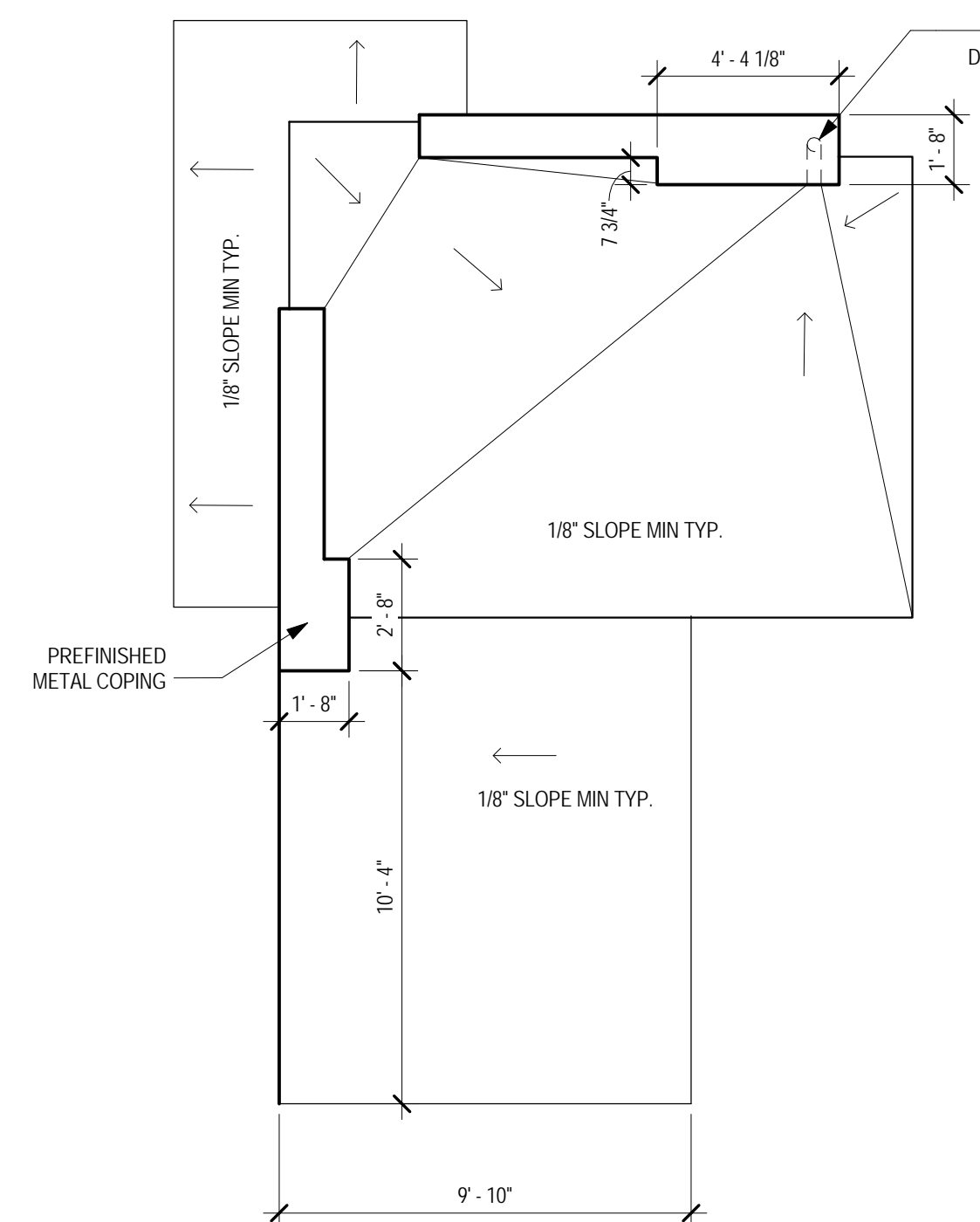
1 EAST ELEVATION - ELEVATOR 2
A3.2 1/4" = 1'-0"



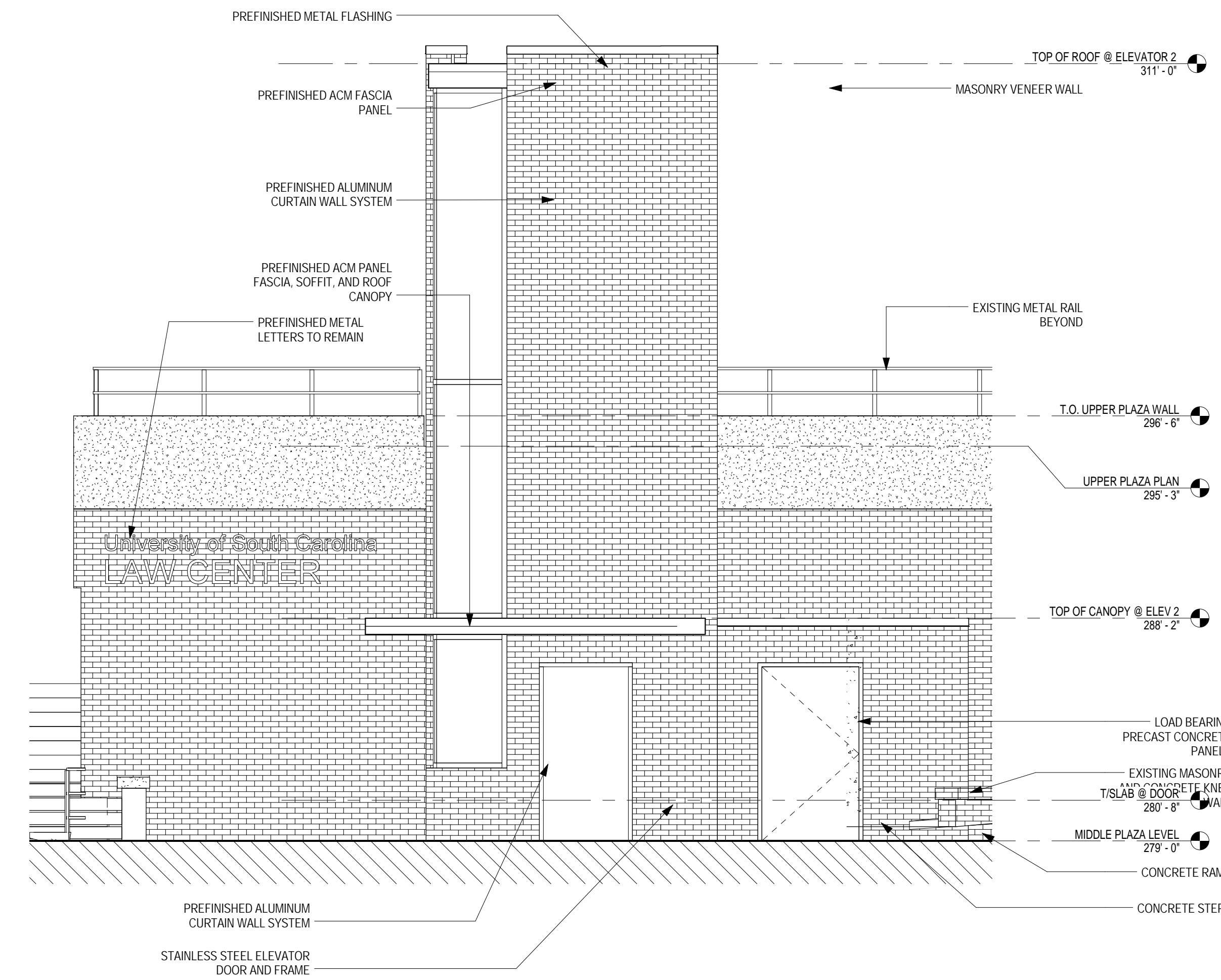
2 NORTH ELEVATION - ELEVATOR 2
A3.2 1/4" = 1'-0"



3 SOUTH ELEVATION ELEVATOR 2
A3.2 1/4" = 1'-0"

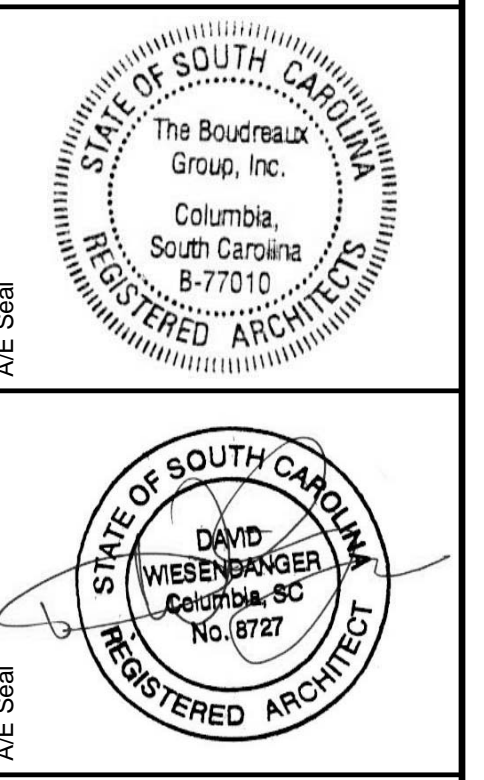


5 ELEVATOR 2 ROOF PLAN
A3.2 1/4" = 1'-0"



4 WEST ELEVATION - ELEVATOR 2
A3.2 1/4" = 1'-0"

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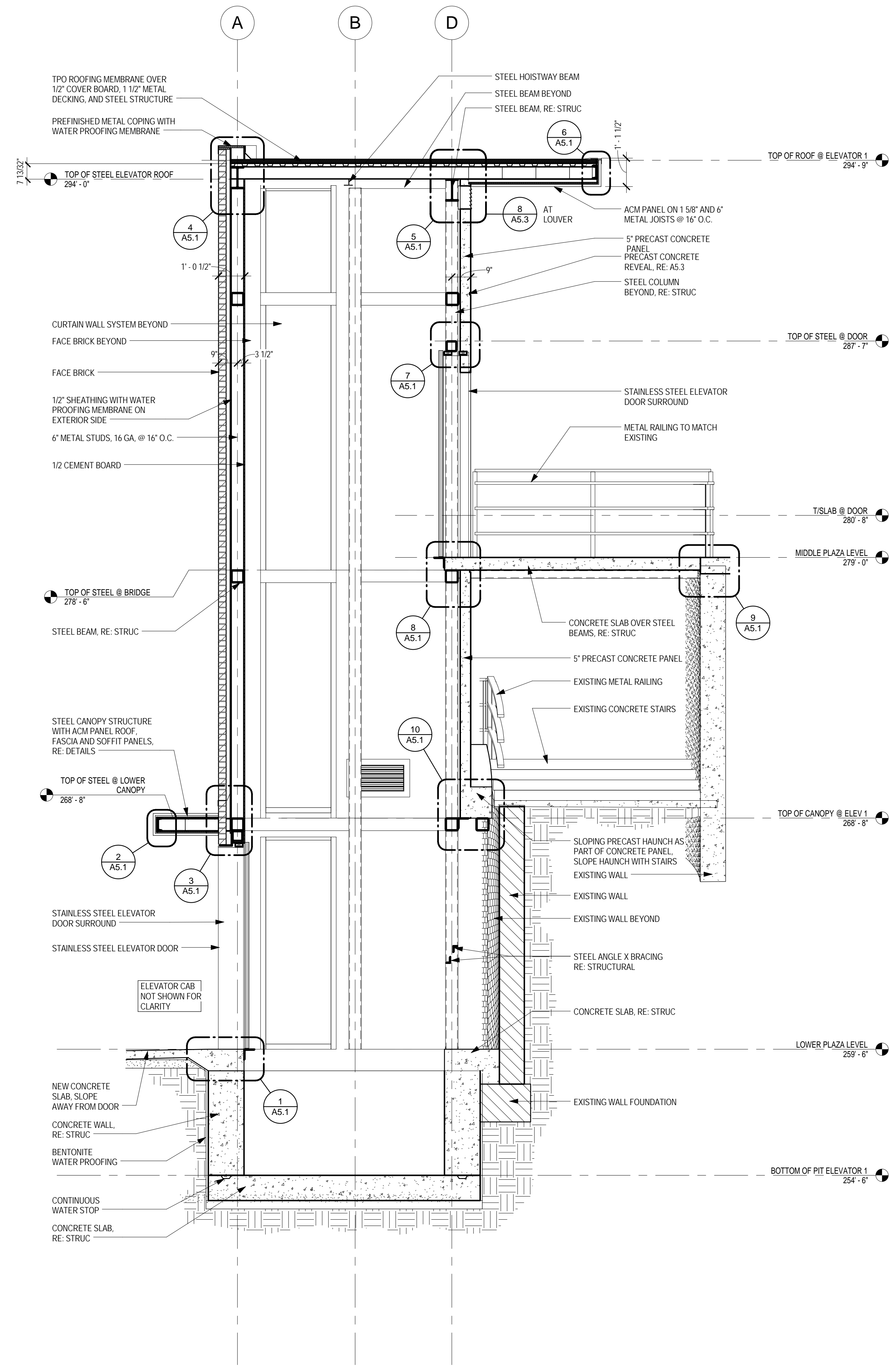


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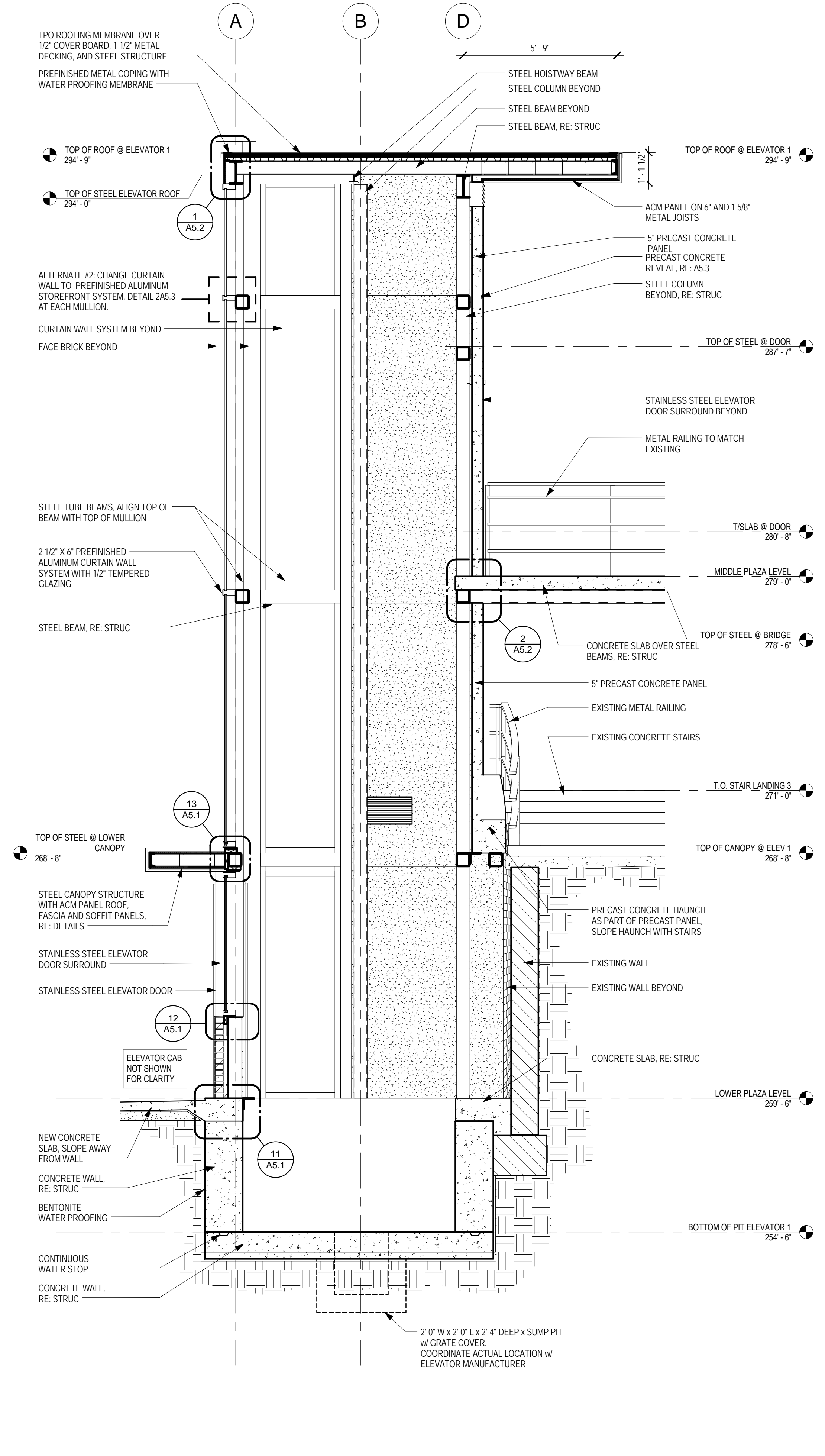
No.	Description	Date	Project Number
			H27-2010
			Drawn By
			Author
			Checked By
			Checker
			NOVEMBER 13, 2013

Drawing Title:
ELEVATIONS - ELEVATOR 2

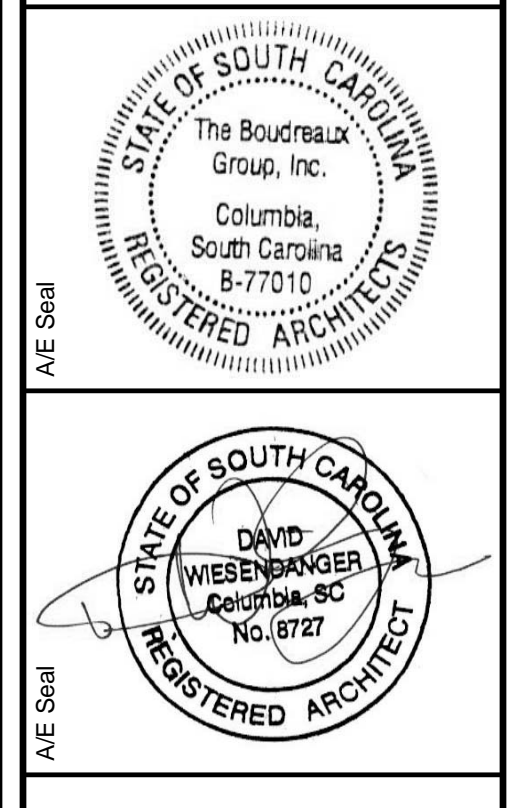
Drawing No.
A3.2



1 WALL SECTION 1 AT ELEVATOR 1
A4.1 3/8" = 1'-0"



2 WALL SECTION 2 AT ELEVATOR 1
A4.1 3/8" = 1'-0"



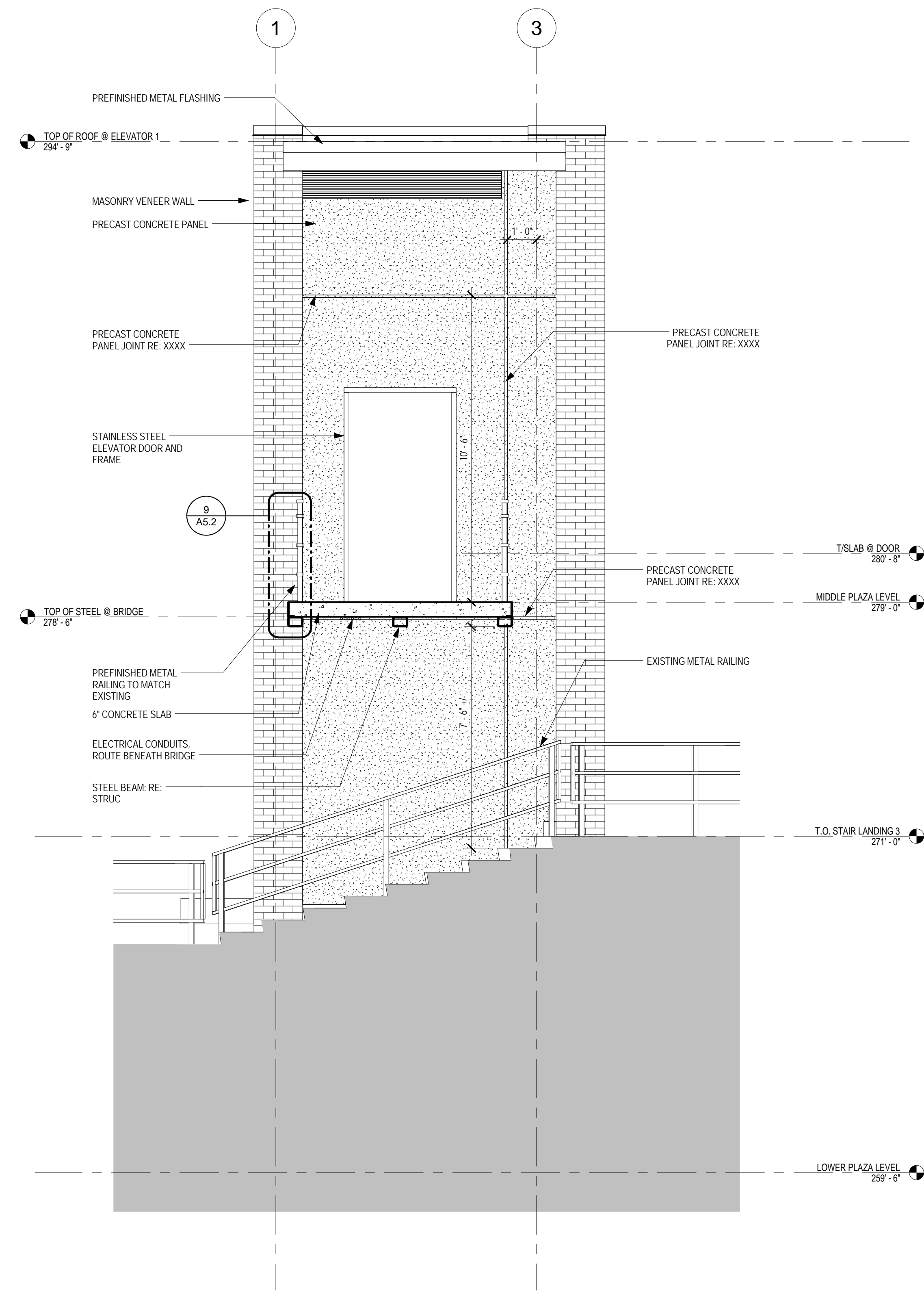
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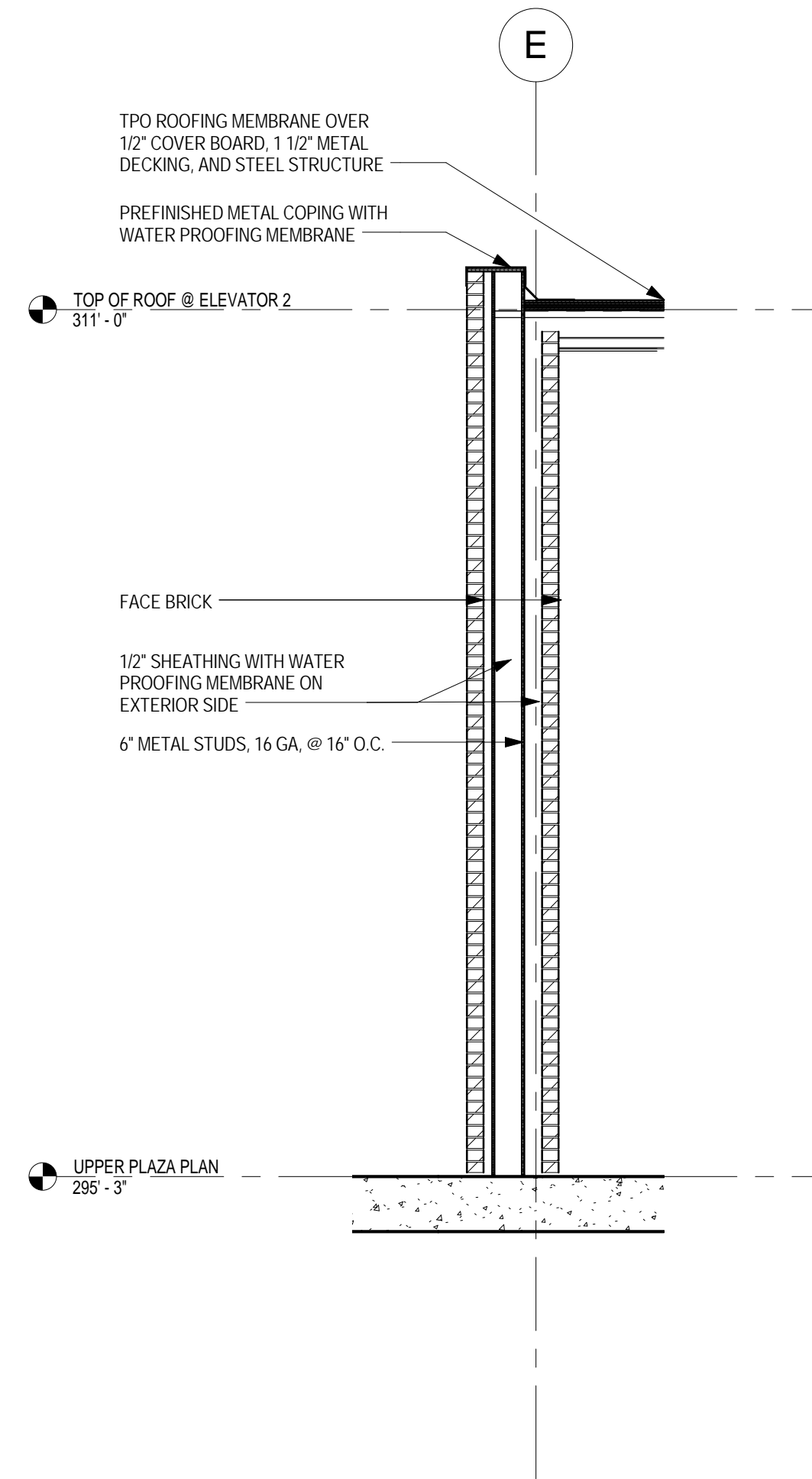
Drawing Title:
WALL SECTIONS

Drawing No.
A4.1

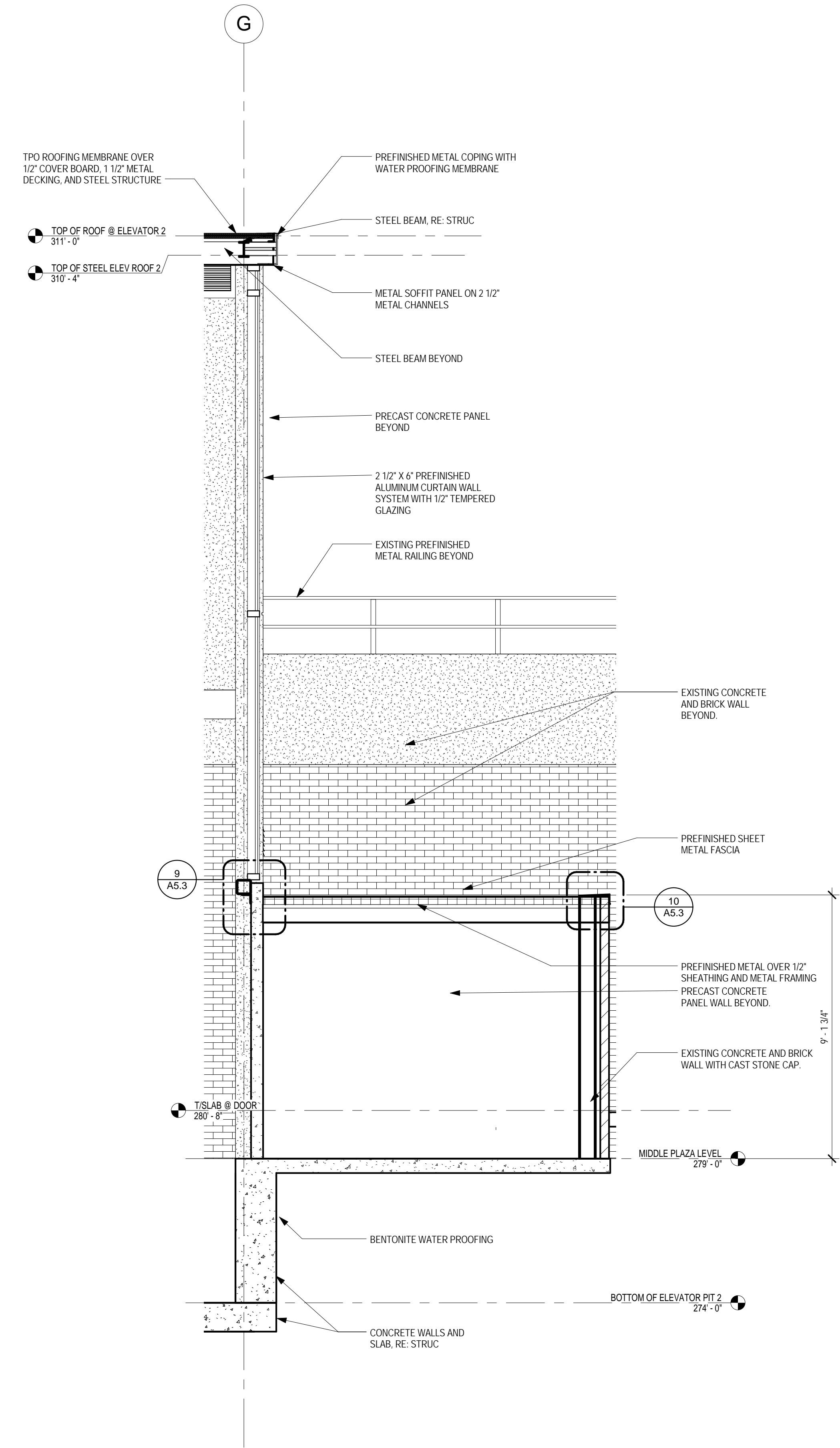
12/5/2013 9:44:45 AM



1 WALL SECTION 5 AT ELEVATOR 1
A4.3 3/8" = 1'-0"

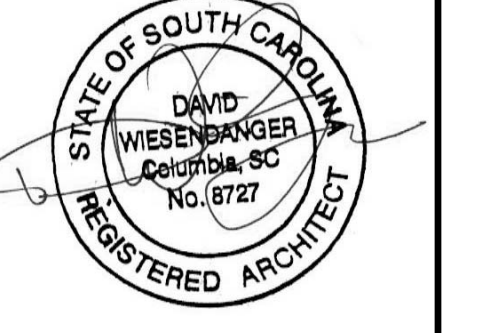
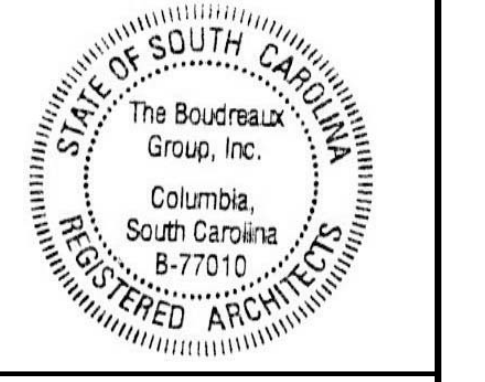


2 WALL SECTION 2 AT ELEVATOR 2
A4.3 3/8" = 1'-0"



4 WALL SECTION 3 AT ELEVATOR 2 - SOUTH WALL
A4.3 3/8" = 1'-0"

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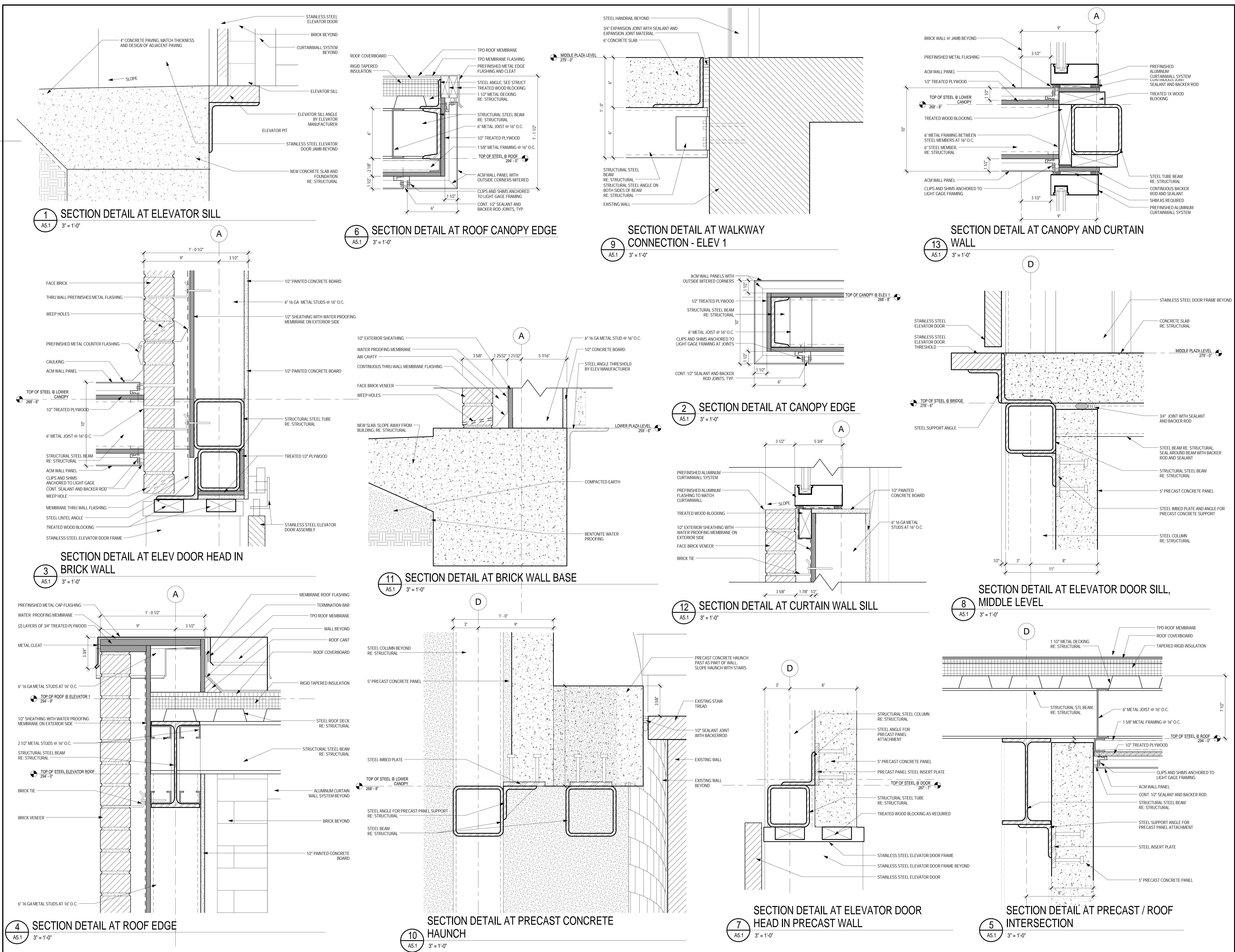
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No.	Description	Date	Project Number
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			NOVEMBER 13, 2013

Drawing Title:
WALL SECTIONS

Drawing No.
A4.3

Interdisciplinary Design Architecture Interiors Planning



SECTION DETAILS

A5.1

Drawing Title: SECTION DETAILS
Drawing No. A5.1

Project Number: H27-2010
Date: 11/27/2010
Author: [Name]
Checked By: [Name]
November 13, 2013

No. Description

12/5/2013 9:44:53 AM

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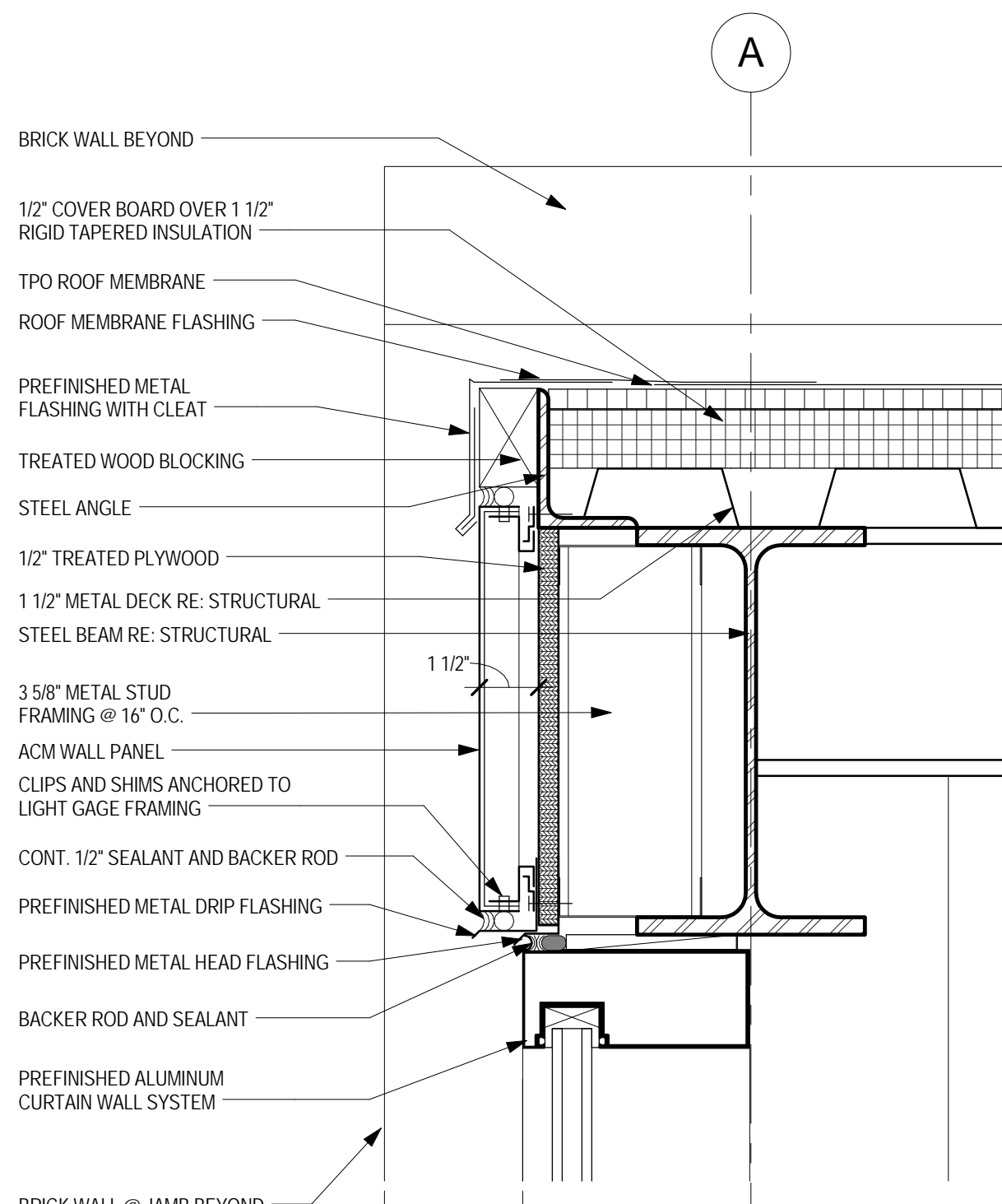
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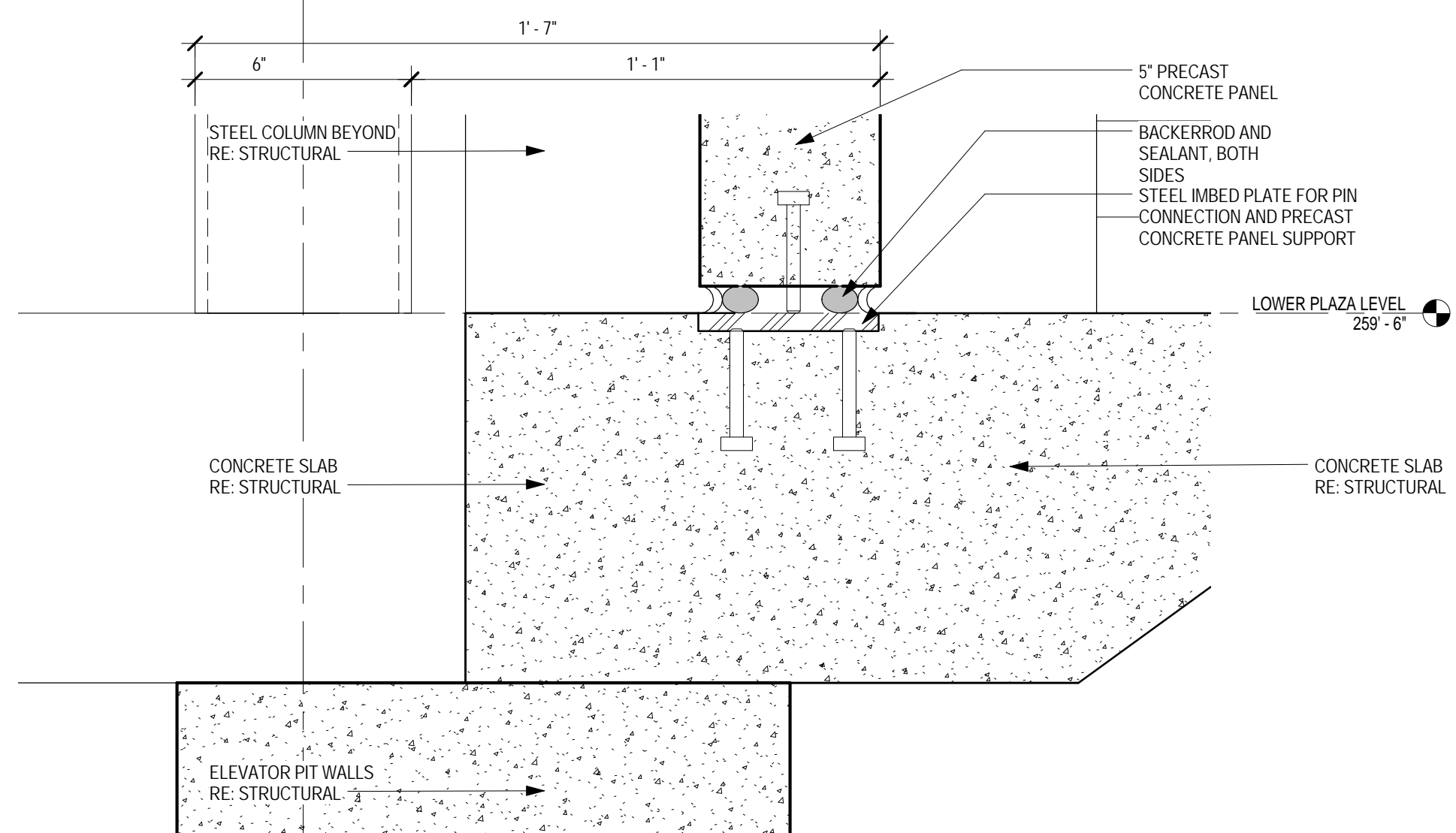
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Interdisciplinary Design Architecture Interiors Planning



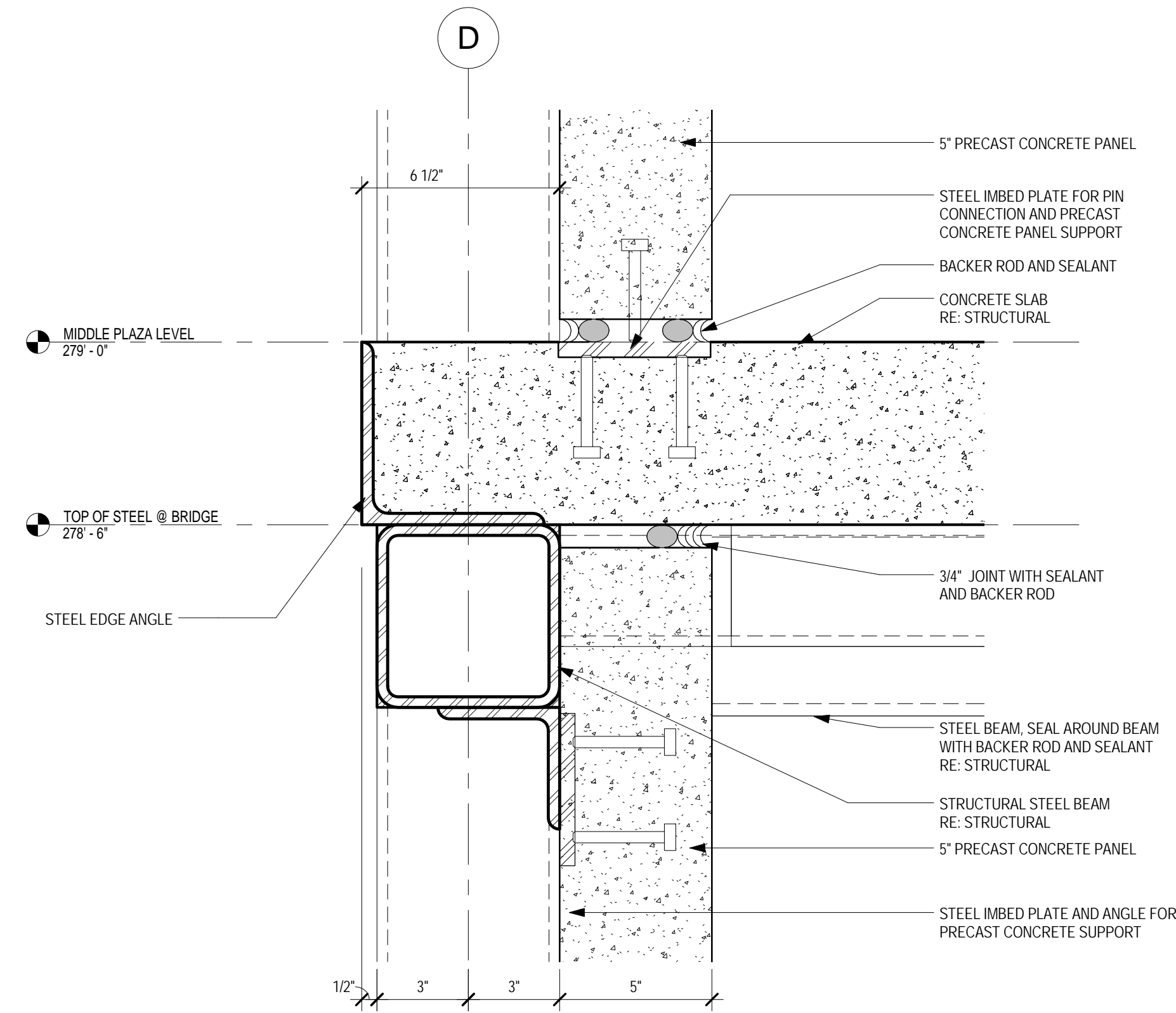
SECTION DETAIL AT ROOF EDGE AND CURTAIN WALL HEAD

1
A5.2 3" = 1'-0"



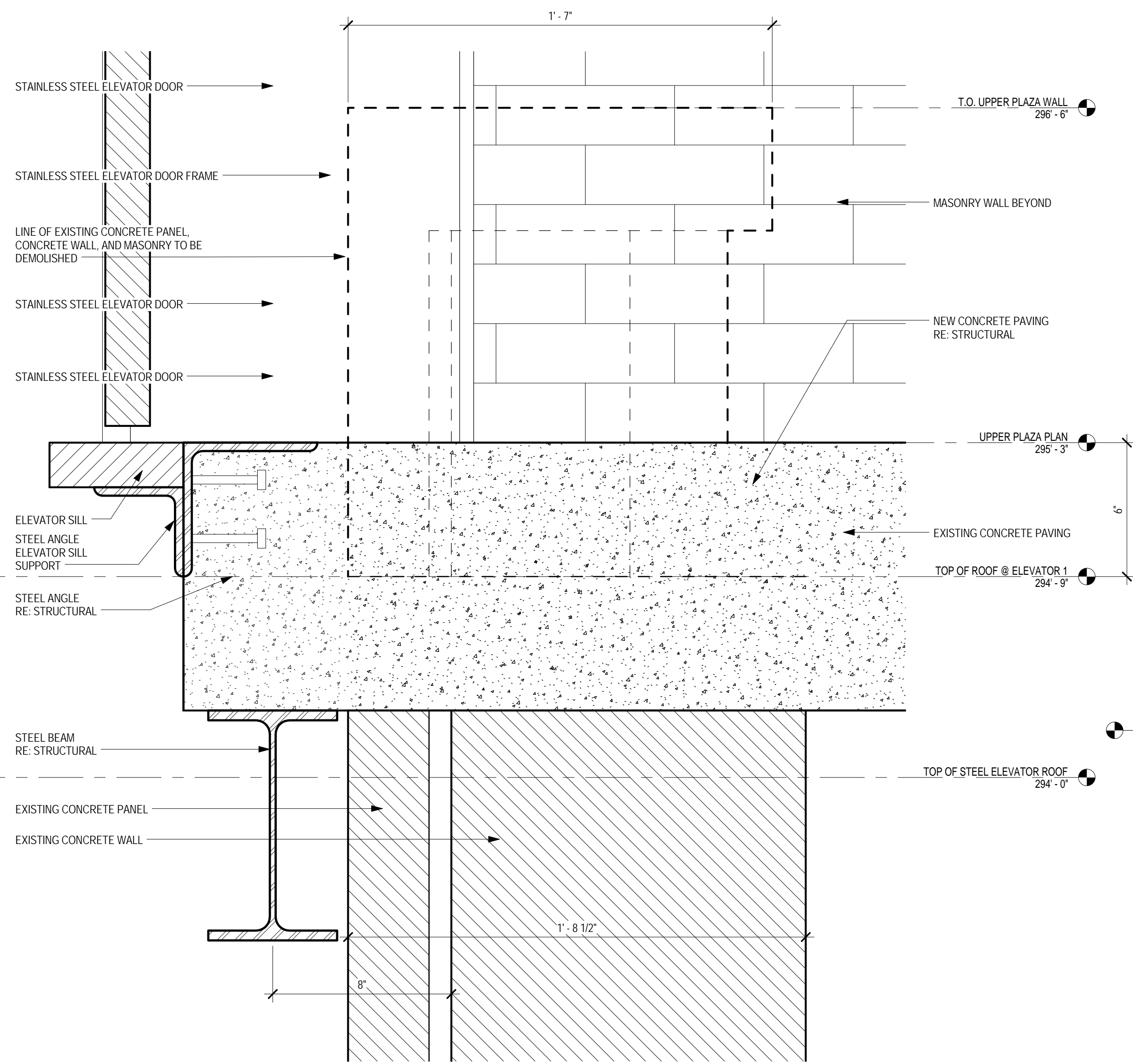
SECTION DETAIL AT PRECAST CONCRETE WALL BASE

6
A5.2 3" = 1'-0"



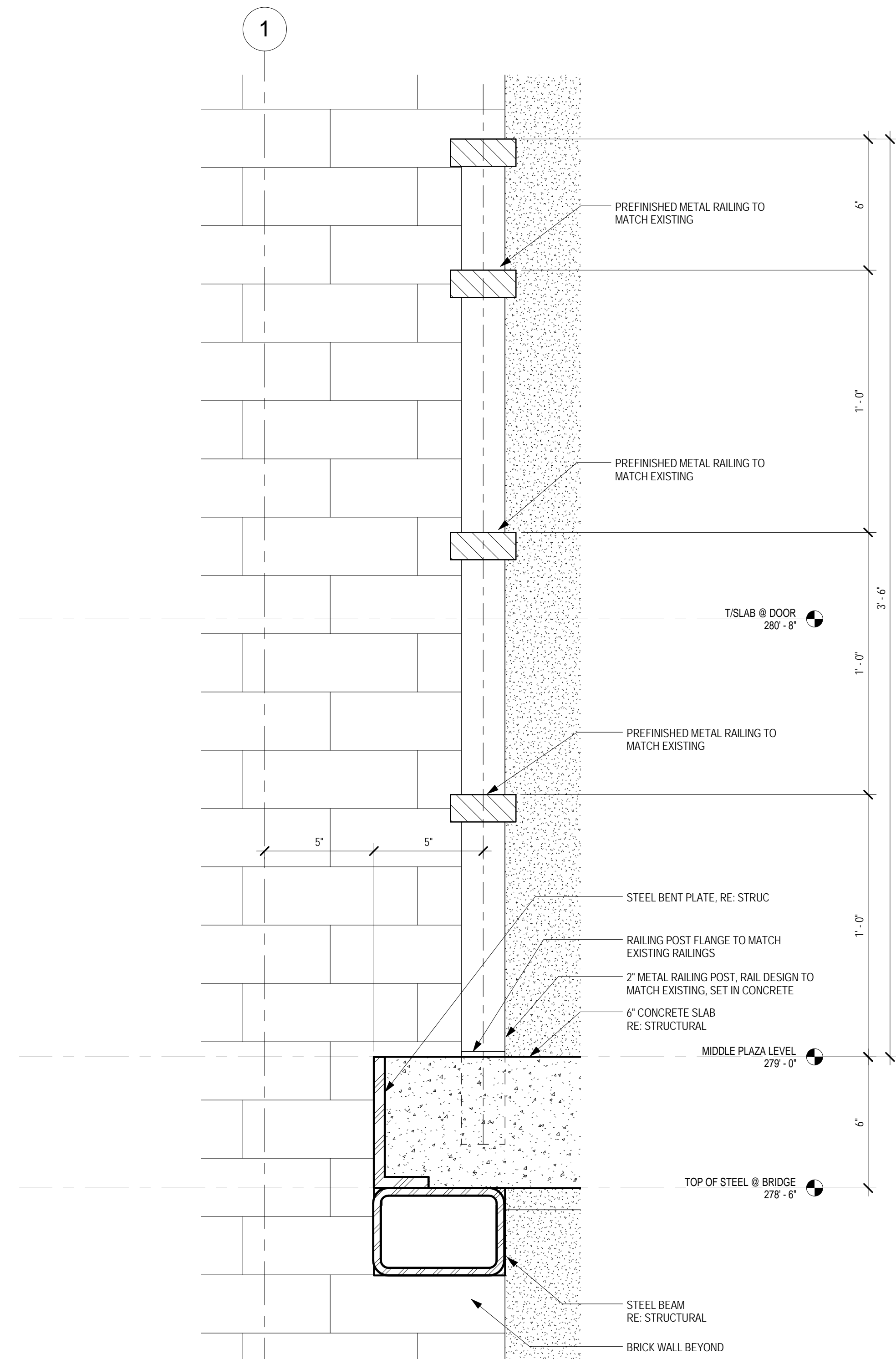
SECTION DETAIL AT MID LEVEL BRIDGE PRECAST WALL BASE

2
A5.2 3" = 1'-0"



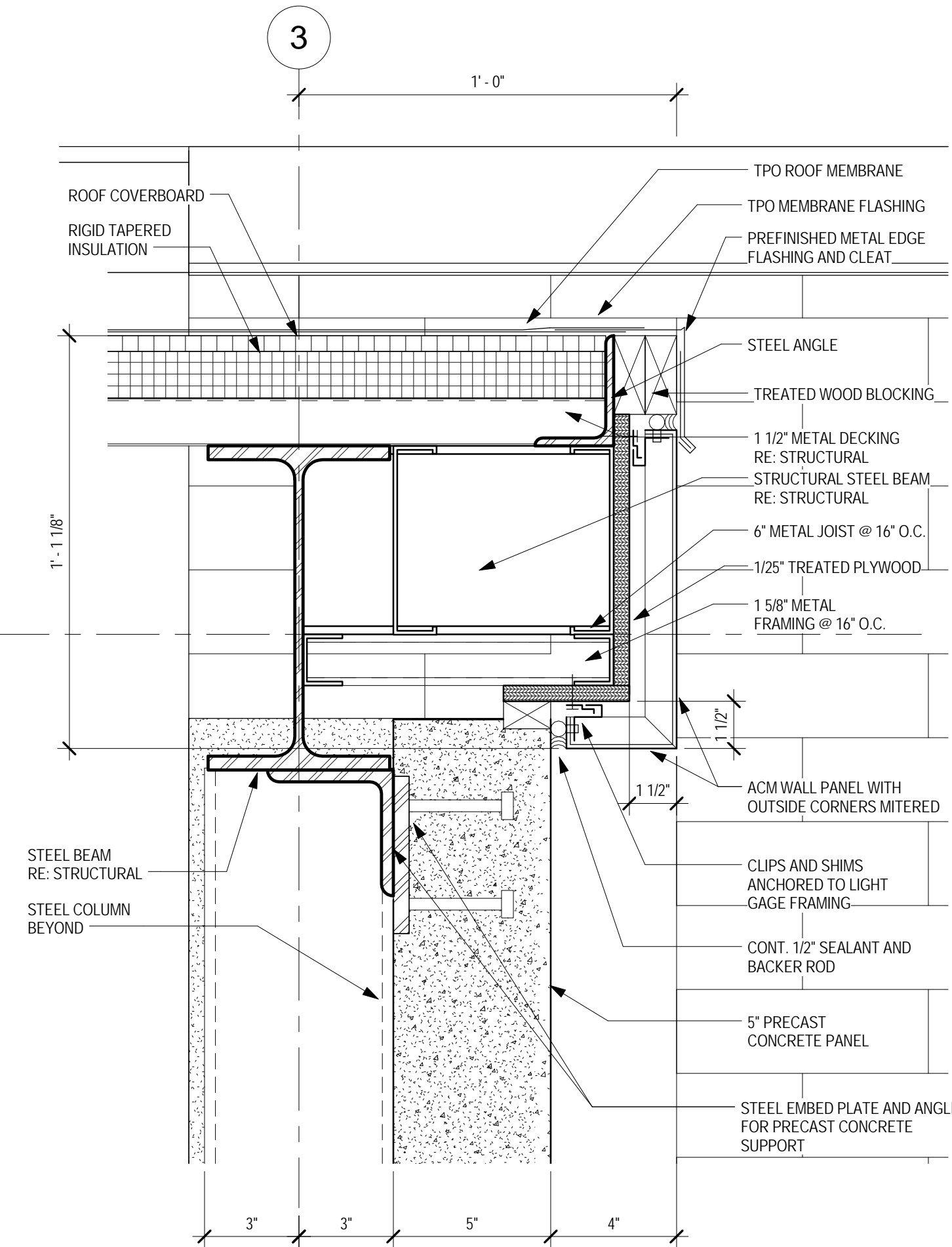
SECTION DETAIL AT UPPER LEVEL ELEVATOR SILL

7
A5.2 3" = 1'-0"



SECTION DETAIL AT EDGE OF BRIDGE

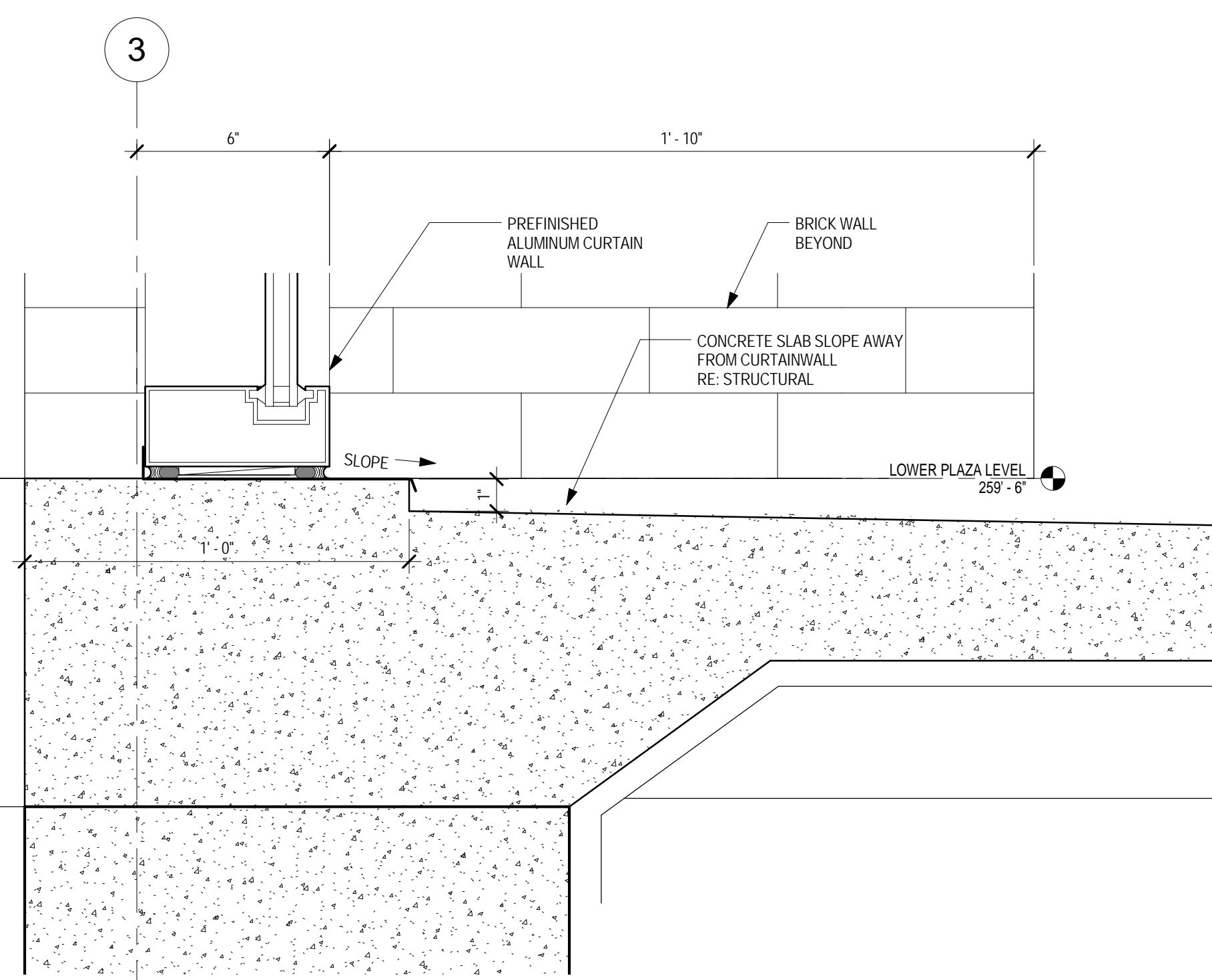
9
A5.2 3" = 1'-0"



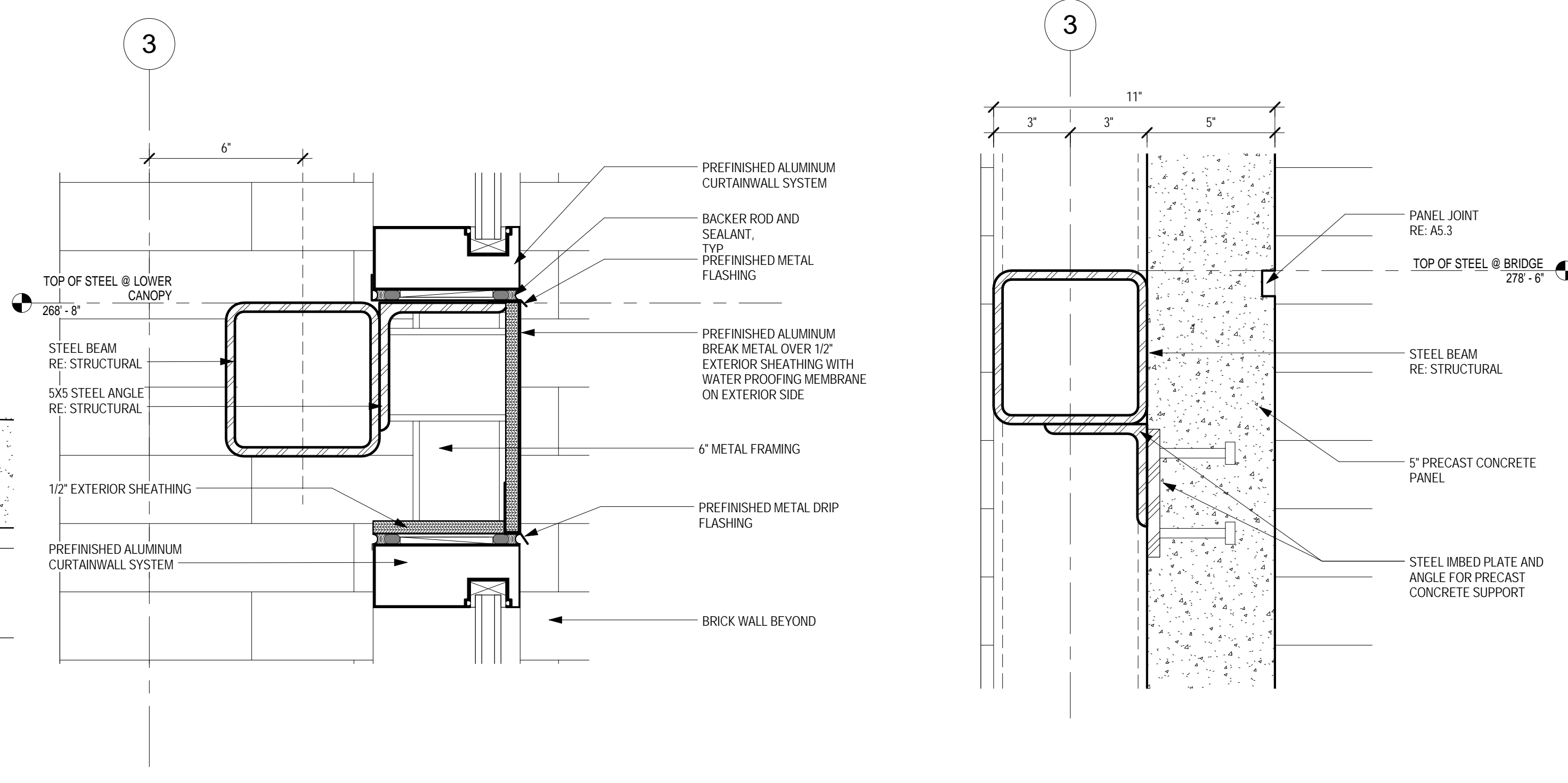
SECTION DETAIL AT ROOF EDGE AND PRECAST WALL

4
A5.2 3" = 1'-0"

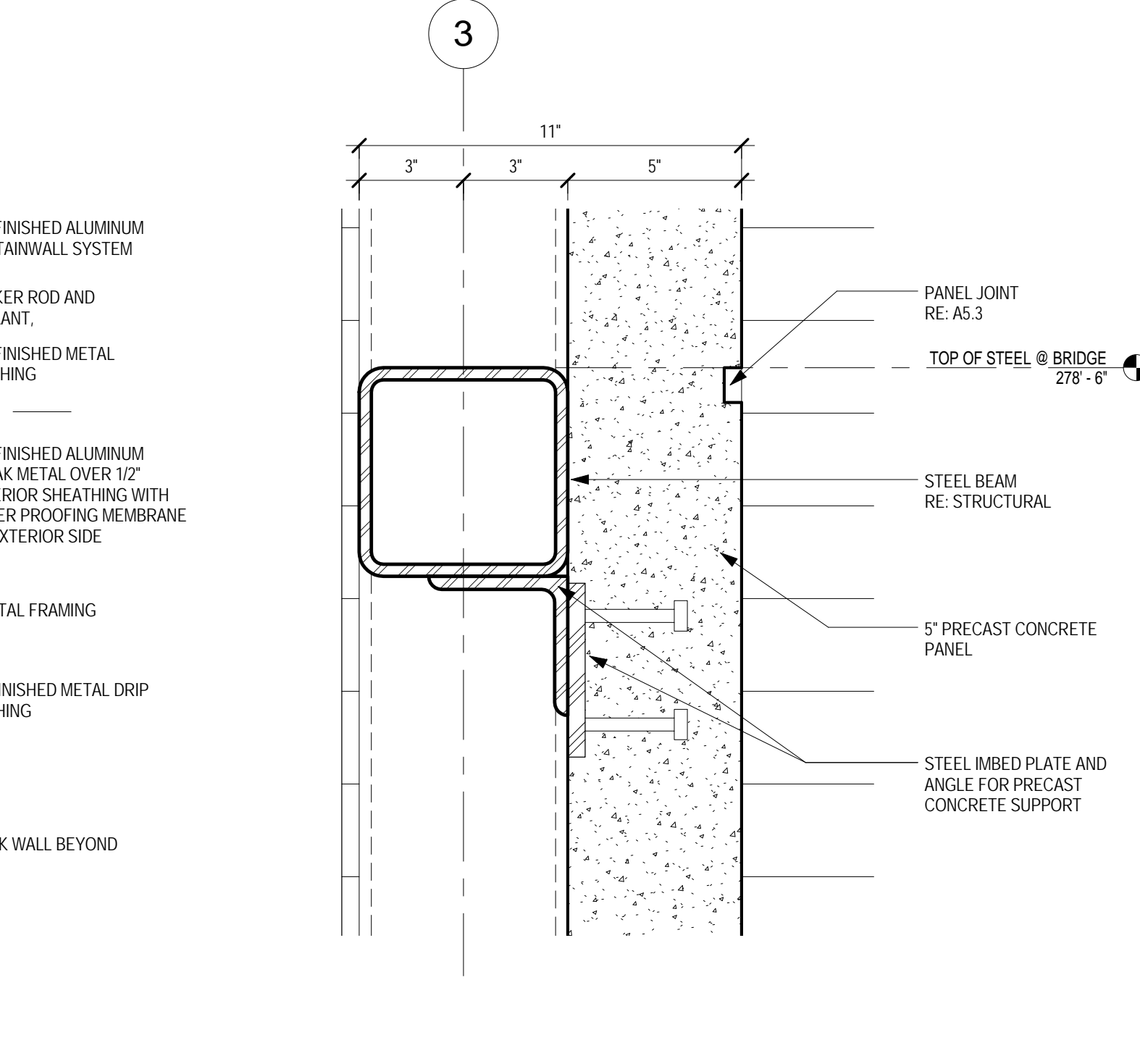
No.	Description



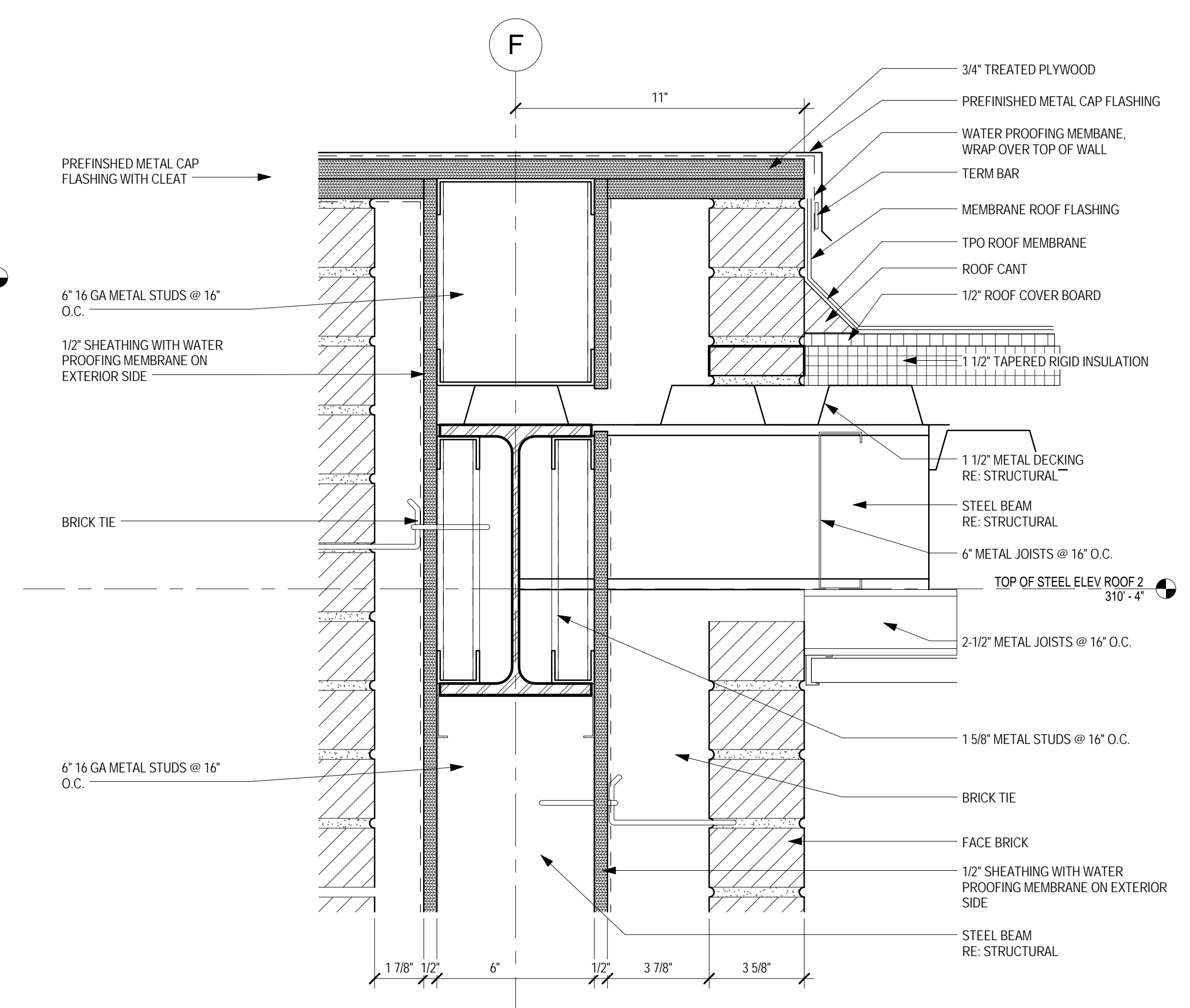
1 SECTION DETAIL AT CURTAINWALL BASE
A5.3 3" = 1'-0"



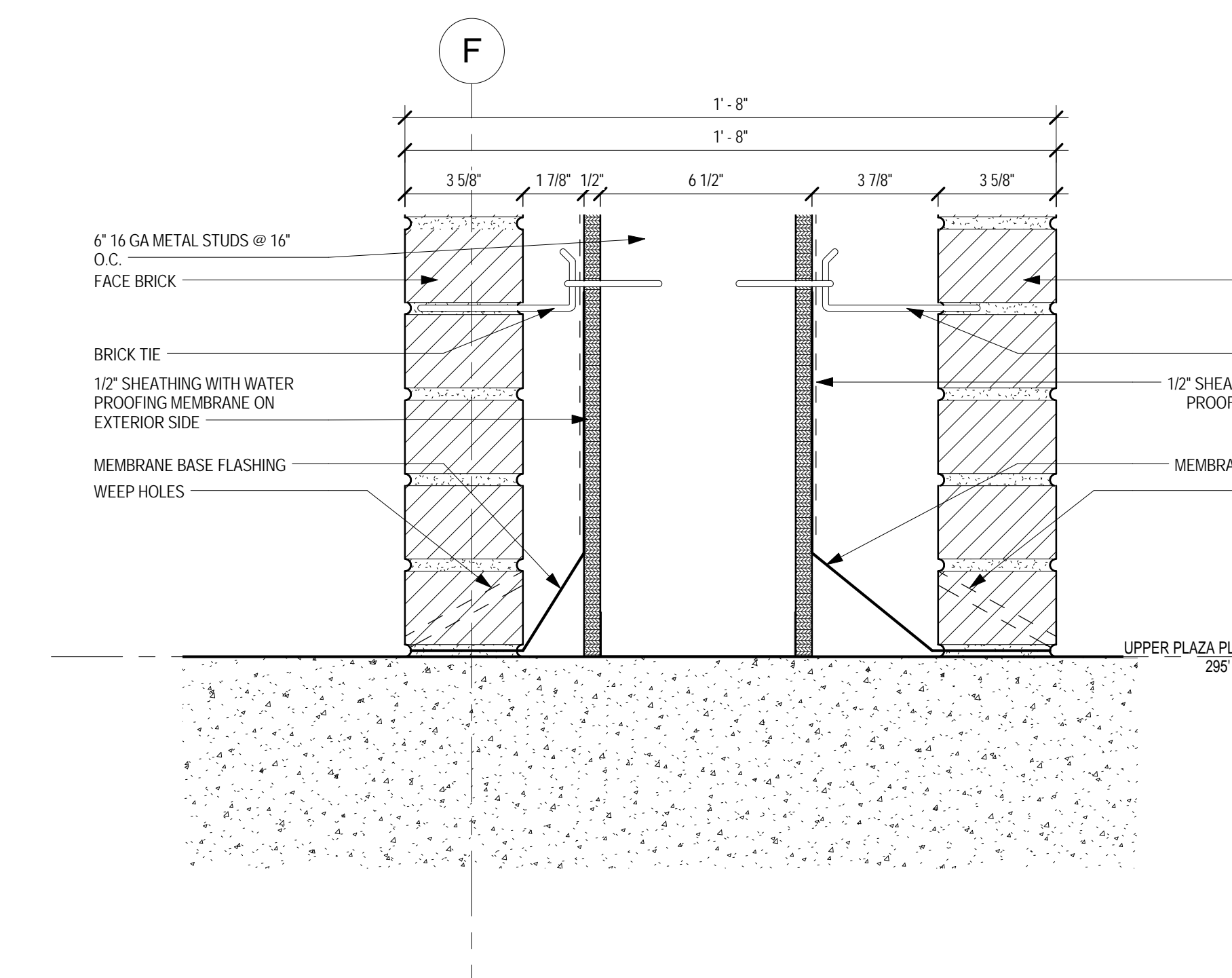
2 SECTION DETAIL AT METAL FASCIA PANEL AND CURTAIN WALL SYSTEM
A5.3 3" = 1'-0"



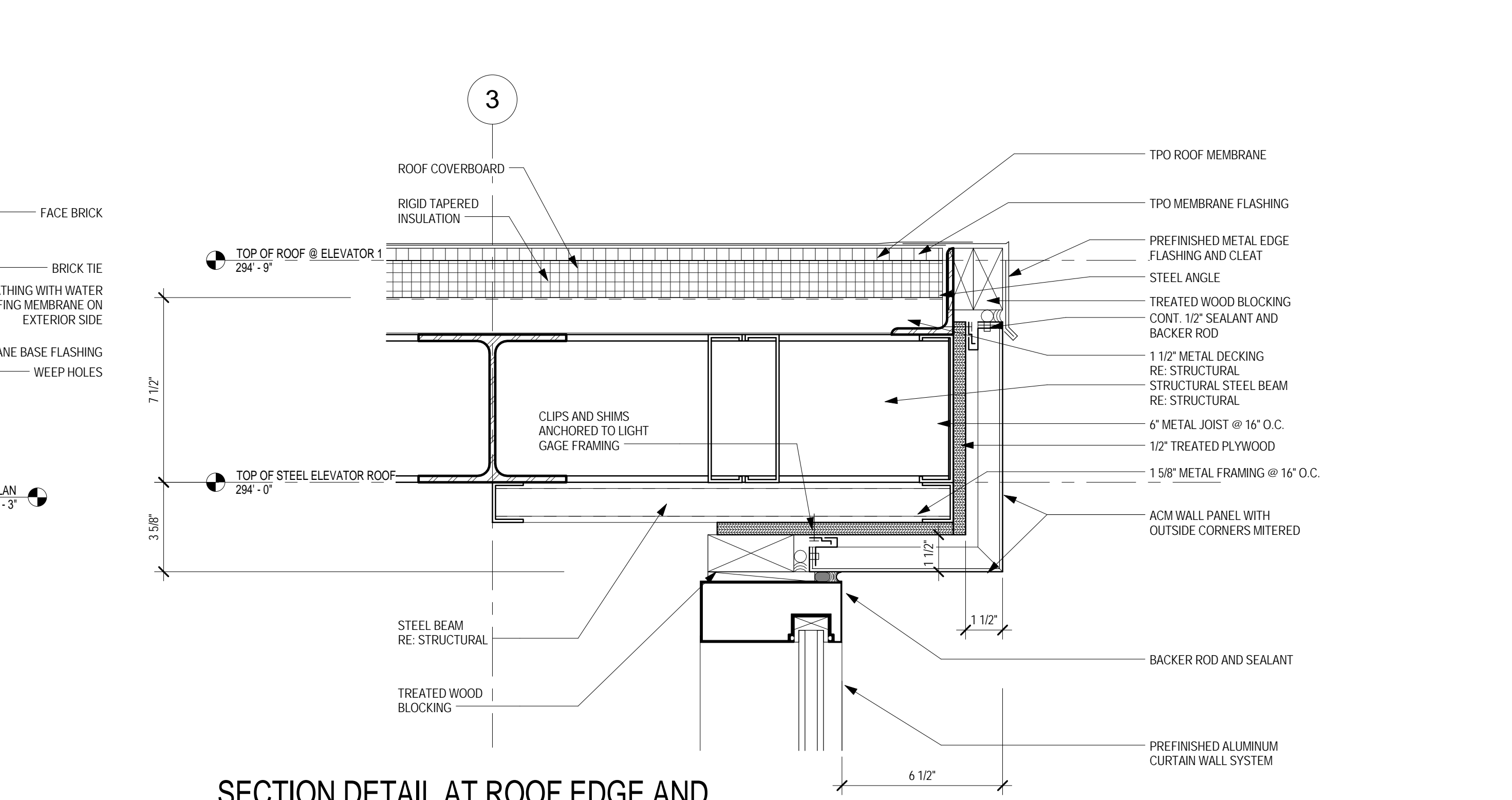
3 SECTION DETAIL AT PRECAST PANEL SUPPORT
A5.3 3" = 1'-0"



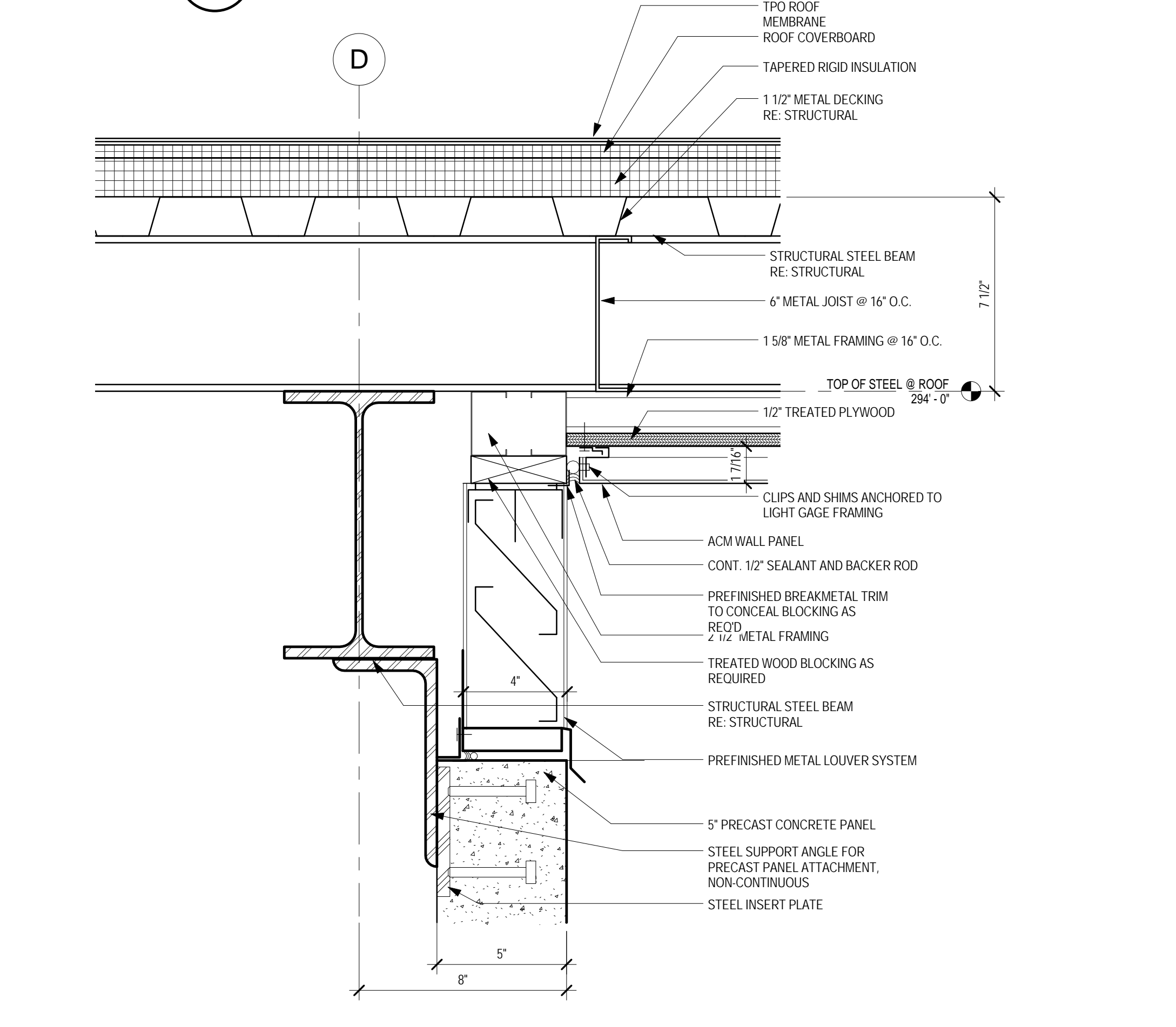
4 SECTION DETAIL AT BRICK WING WALL ROOF UPPER LEVEL
A5.3 3" = 1'-0"



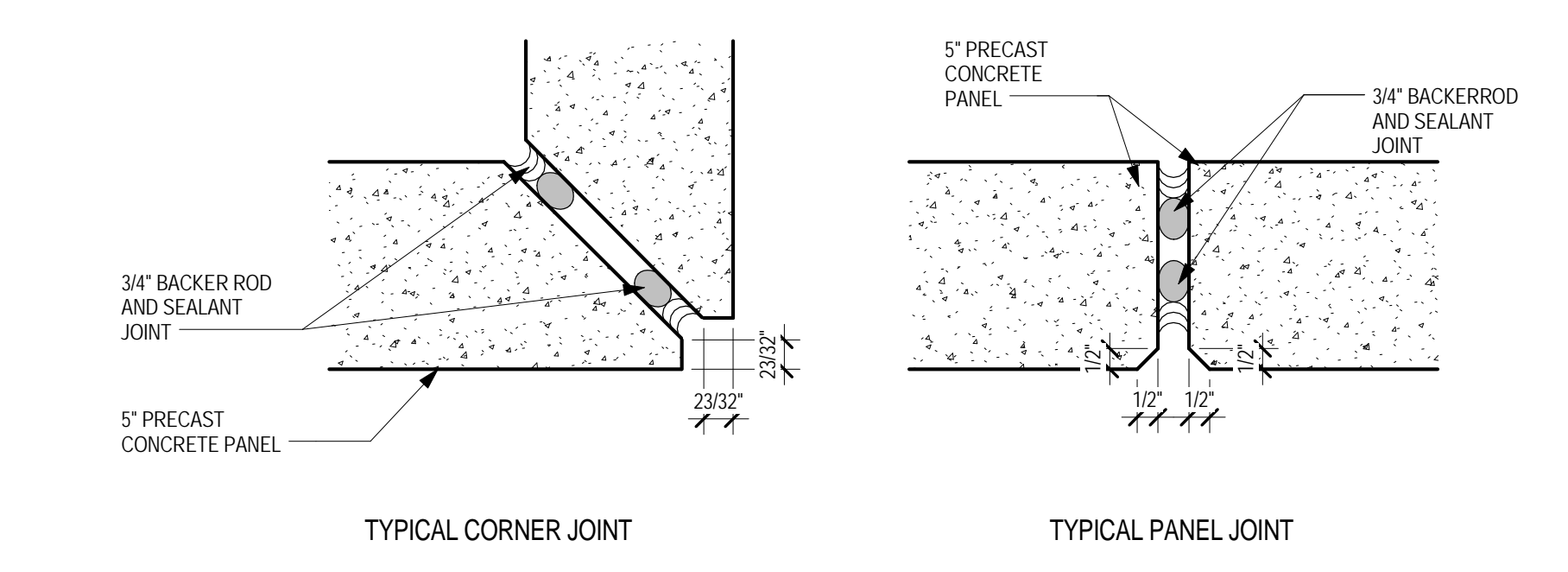
5 SECTION DETAIL AT BRICK WING WALL BASE UPPER LEVEL
A5.3 3" = 1'-0"



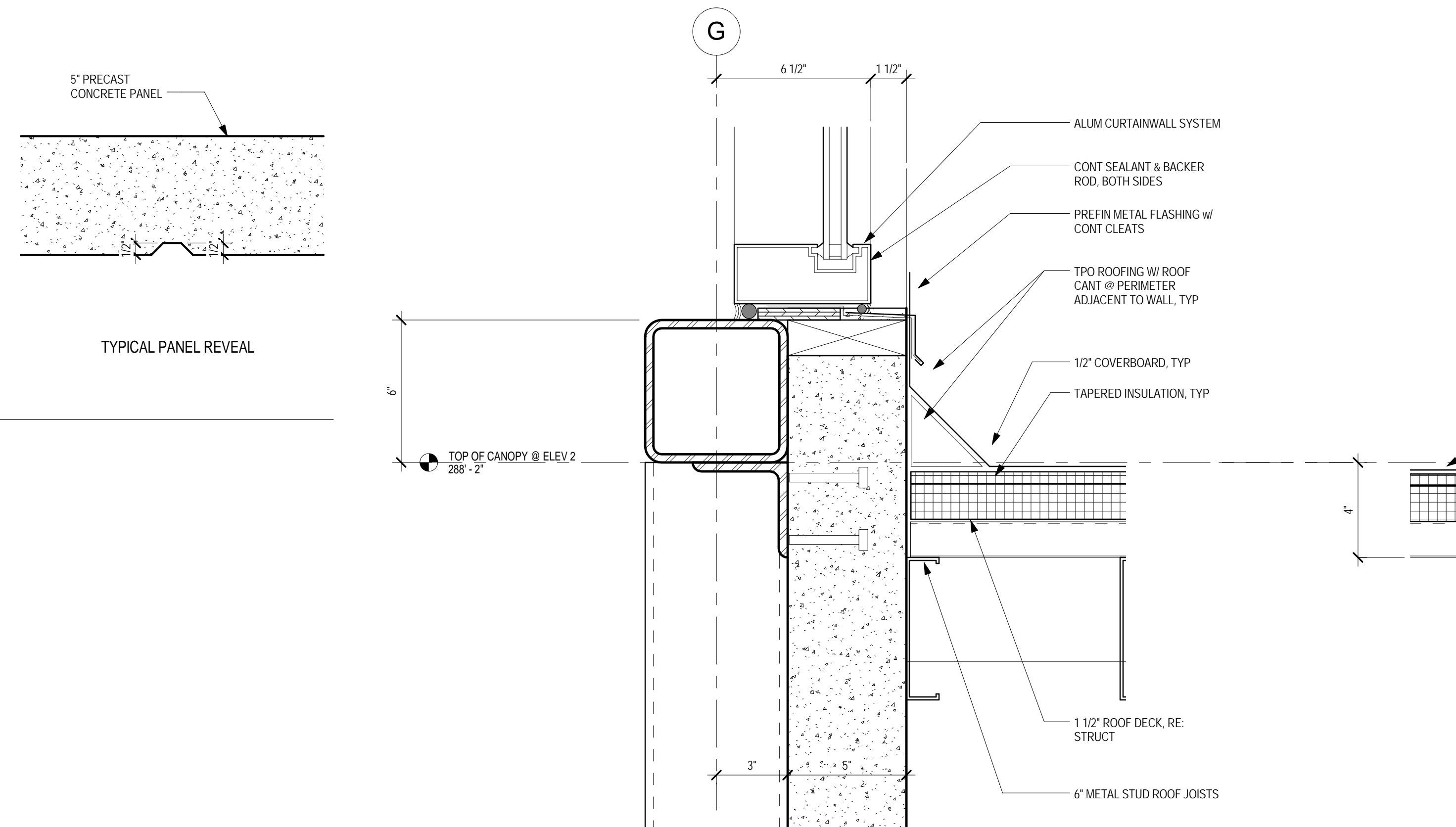
6 SECTION DETAIL AT ROOF EDGE AND CURTAIN WALL HEAD
A5.3 3" = 1'-0"



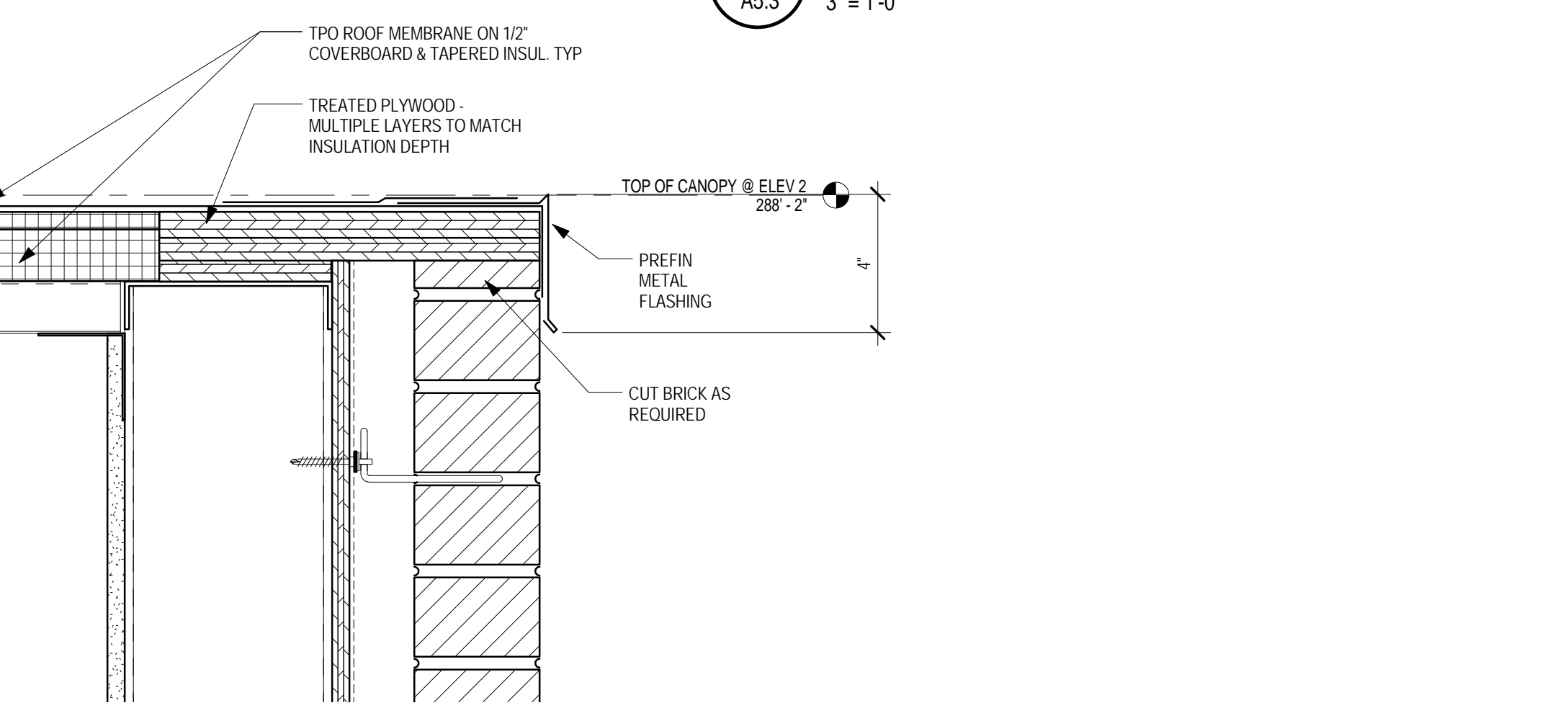
8 SECTION DETAIL AT PRECAST / ROOF INTERSECTION WITH LOUVER
A5.3 3" = 1'-0"



7 TYP. PRECAST DETAILS
A5.3 3" = 1'-0"

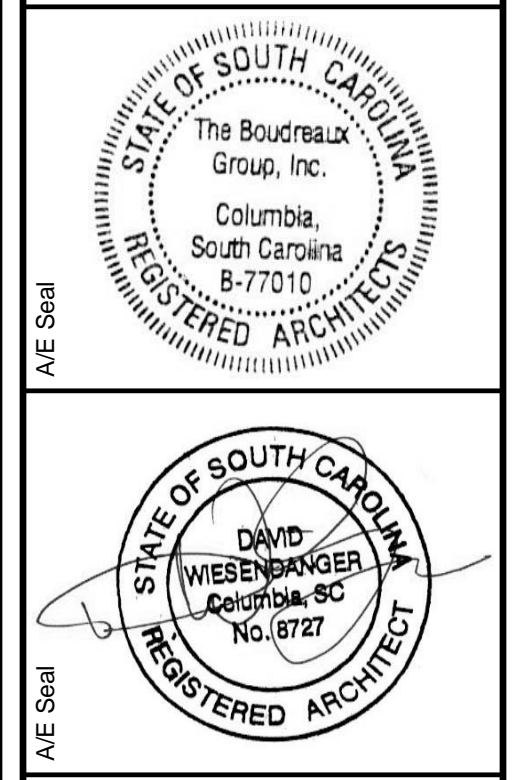


9 DETAIL AT ROOF & CURTAIN WALL
A5.3 3" = 1'-0"



10 ROOF EDGE DETAIL
A5.3 3" = 1'-0"

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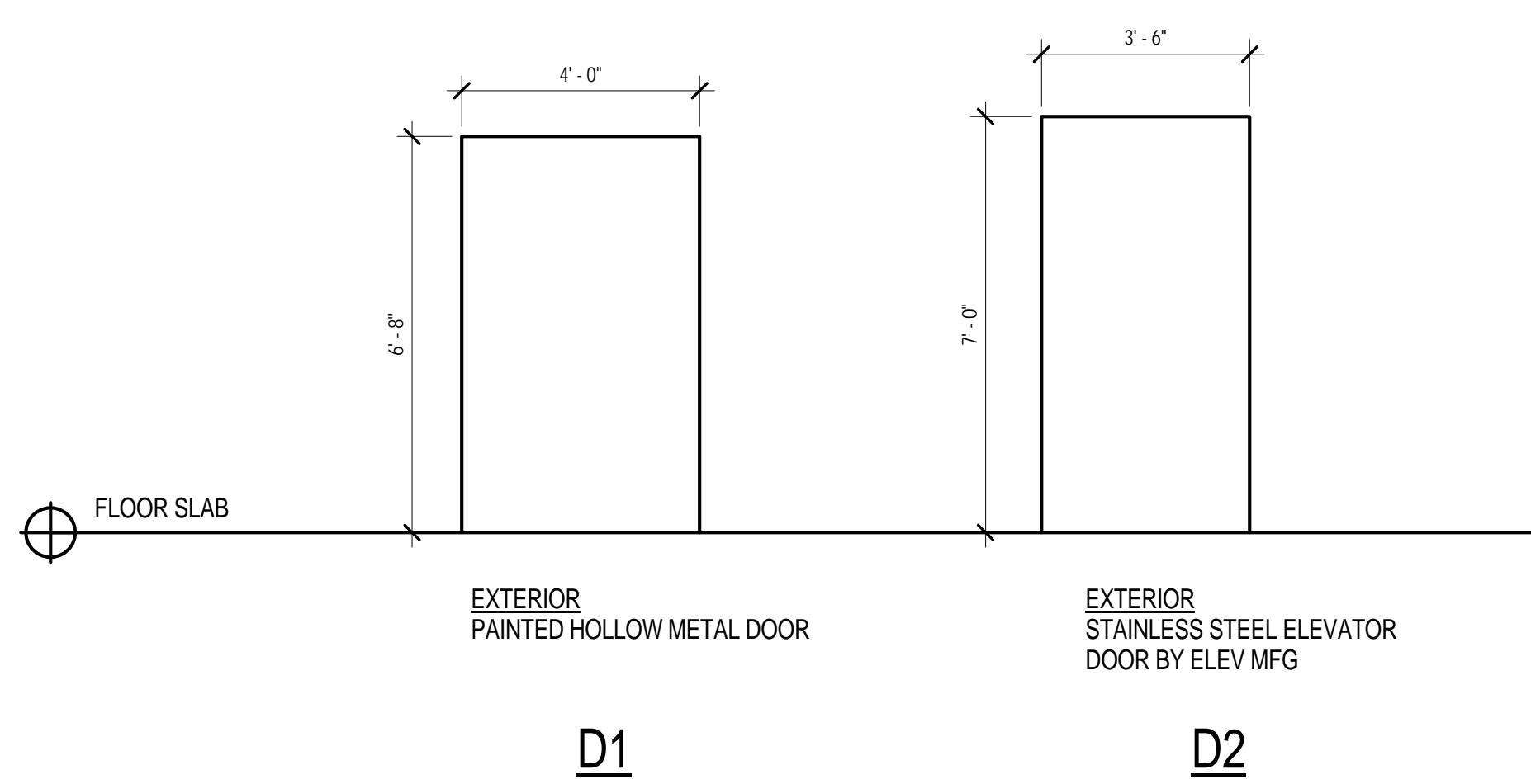


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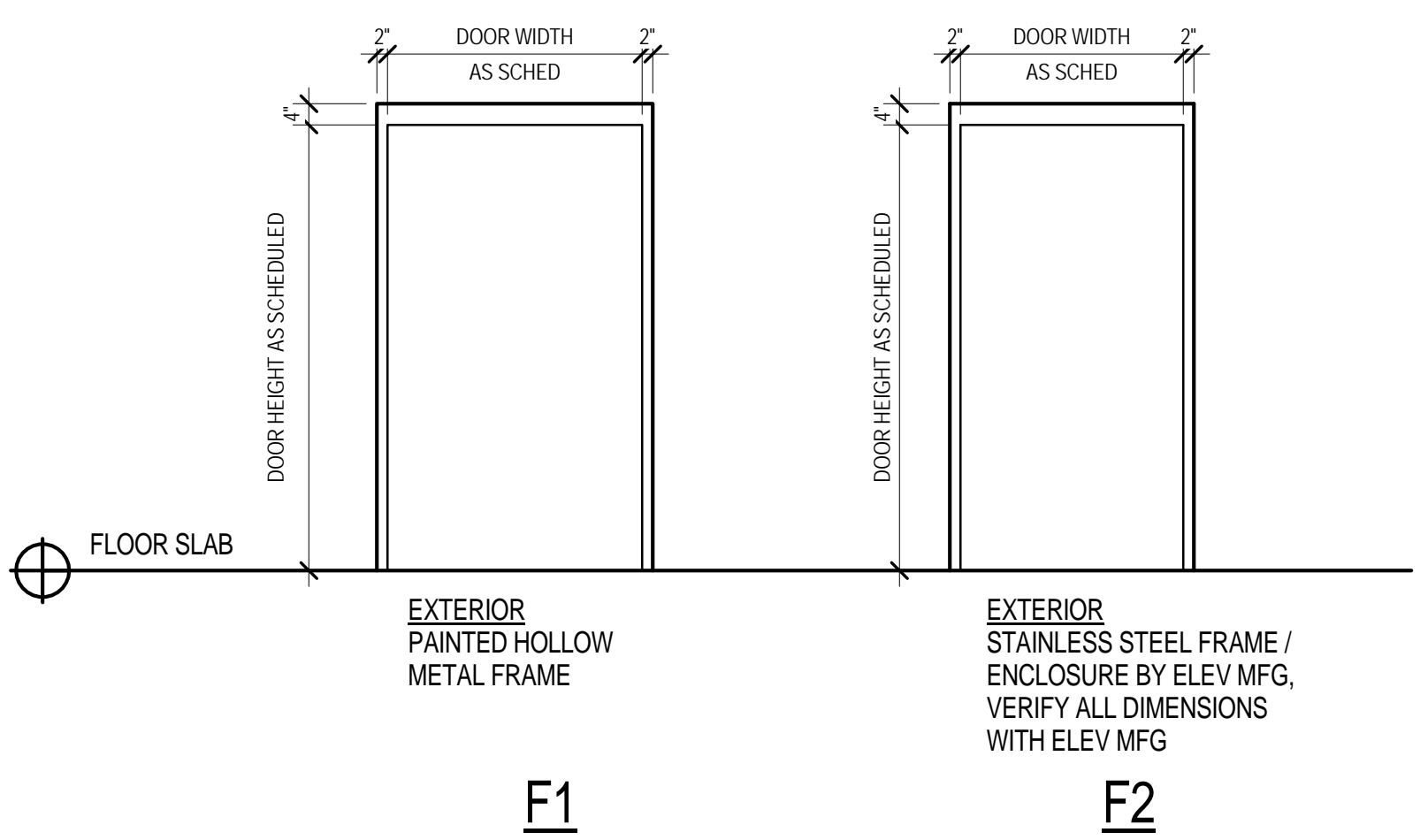
Project Number	H27-2010
Date	
Drawn By	Author
Checked By	Checker
NOVEMBER 13, 2013	
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Drawing Title:
SECTION DETAILS

Drawing No.
A5.3



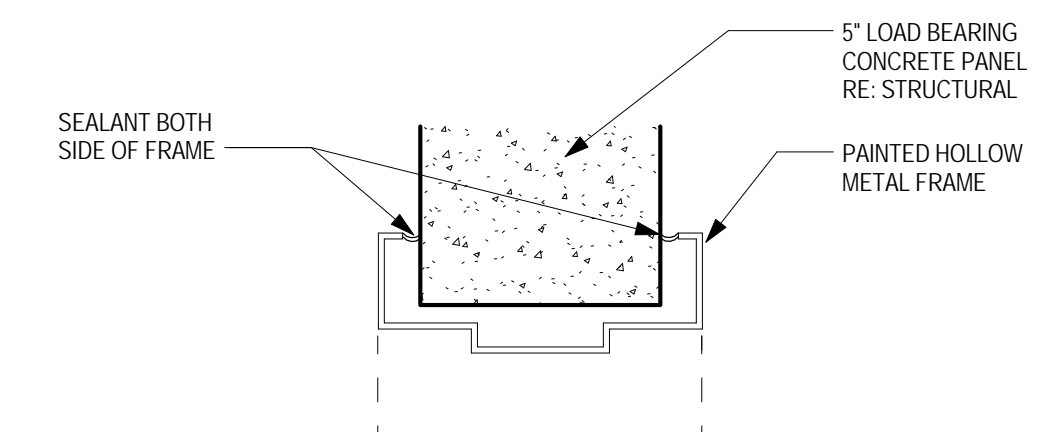
1 DOOR ELEVATIONS
3/8" = 1'-0"



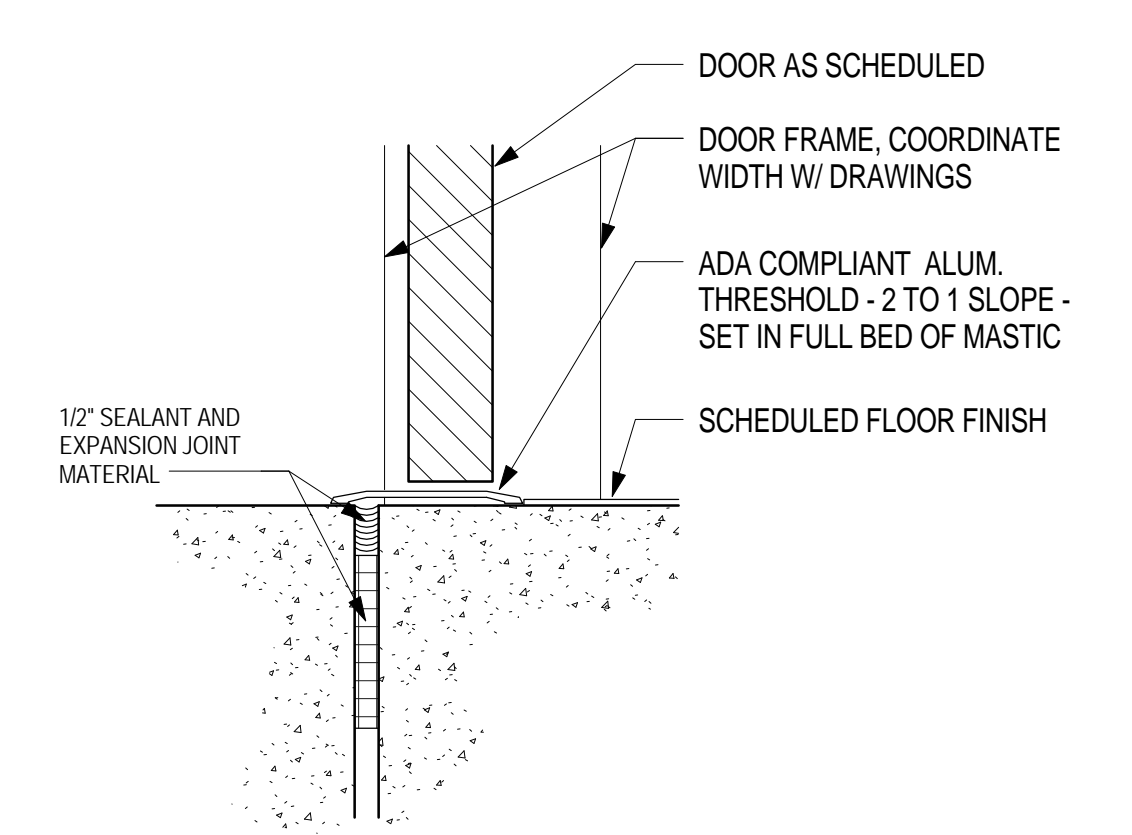
2 FRAME ELEVATIONS
3/8" = 1'-0"

DOOR AND FRAME SCHEDULE

DOOR NO.	DOOR			FRAME			FIRE RATING	HWR	REMARKS
	WIDTH	HEIGHT	TYPE	TYPE	HEAD	JAMB			
205	4'-0"	7'-0"	D1	F1	4A6.1	5A5.1	3A6.1	NA	
101	3'-6"	7'-0"	D2	F2	7A5.1	3A2.1	1A5.1	NA	DOOR, FRAME, HARDWARE BY ELEV MFG
103	3'-6"	7'-0"	D2	F2	7A5.1	8A2.1	8A5.1	NA	DOOR, FRAME, HARDWARE BY ELEV MFG
201	3'-6"	7'-0"	D2	F2	3A5.1	3A2.1	1A5.1	NA	DOOR, FRAME, HARDWARE BY ELEV MFG
203	3'-6"	7'-0"	D2	F2	7A5.1	8A2.1	8A5.1	NA	DOOR, FRAME, HARDWARE BY ELEV MFG



2 PRECAST DOOR HEAD DETAIL
A6.1 3" = 1'-0"



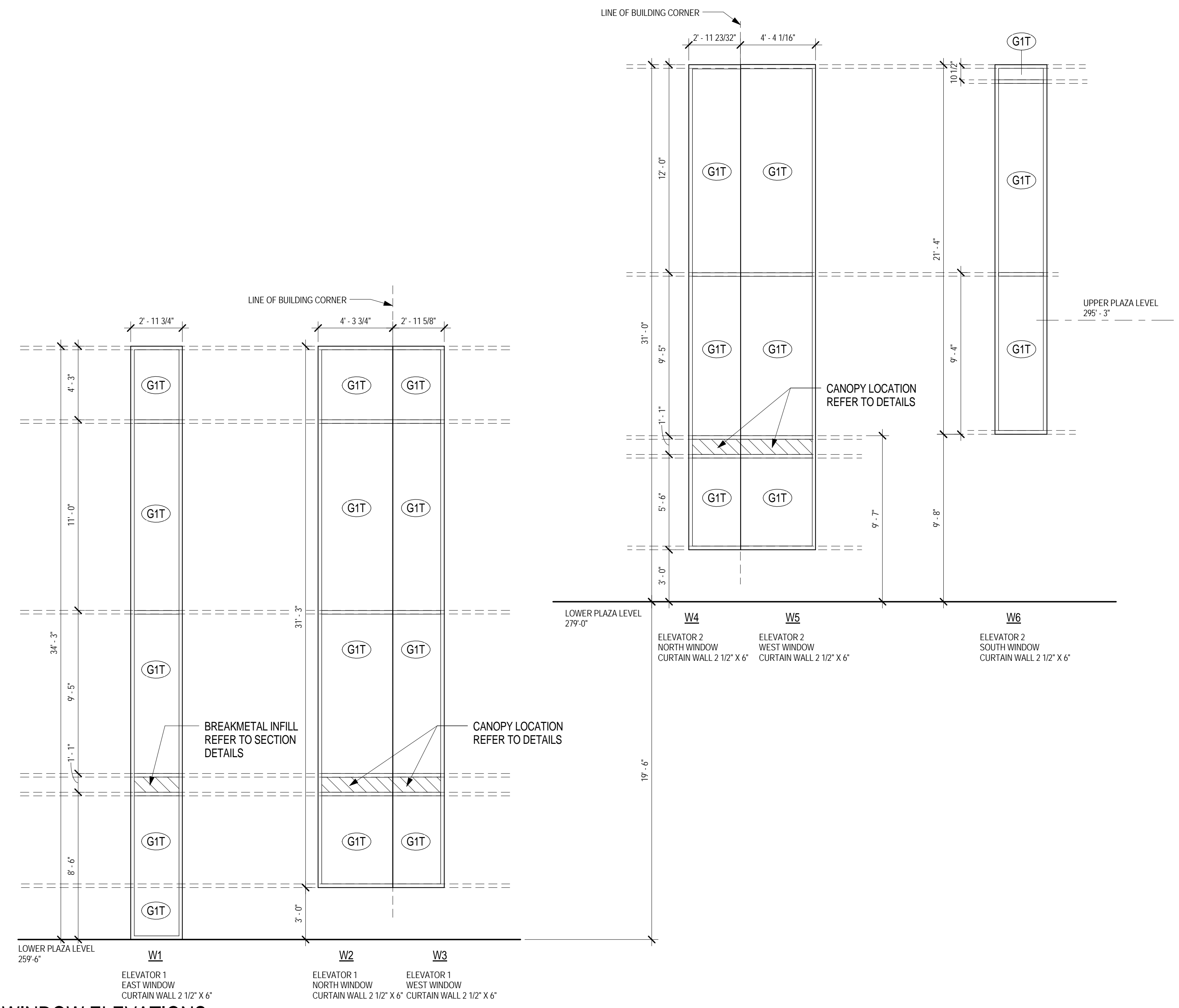
3 PRECAST DOOR THRESHOLD
A6.1 3" = 1'-0"

WINDOW SCHEDULE

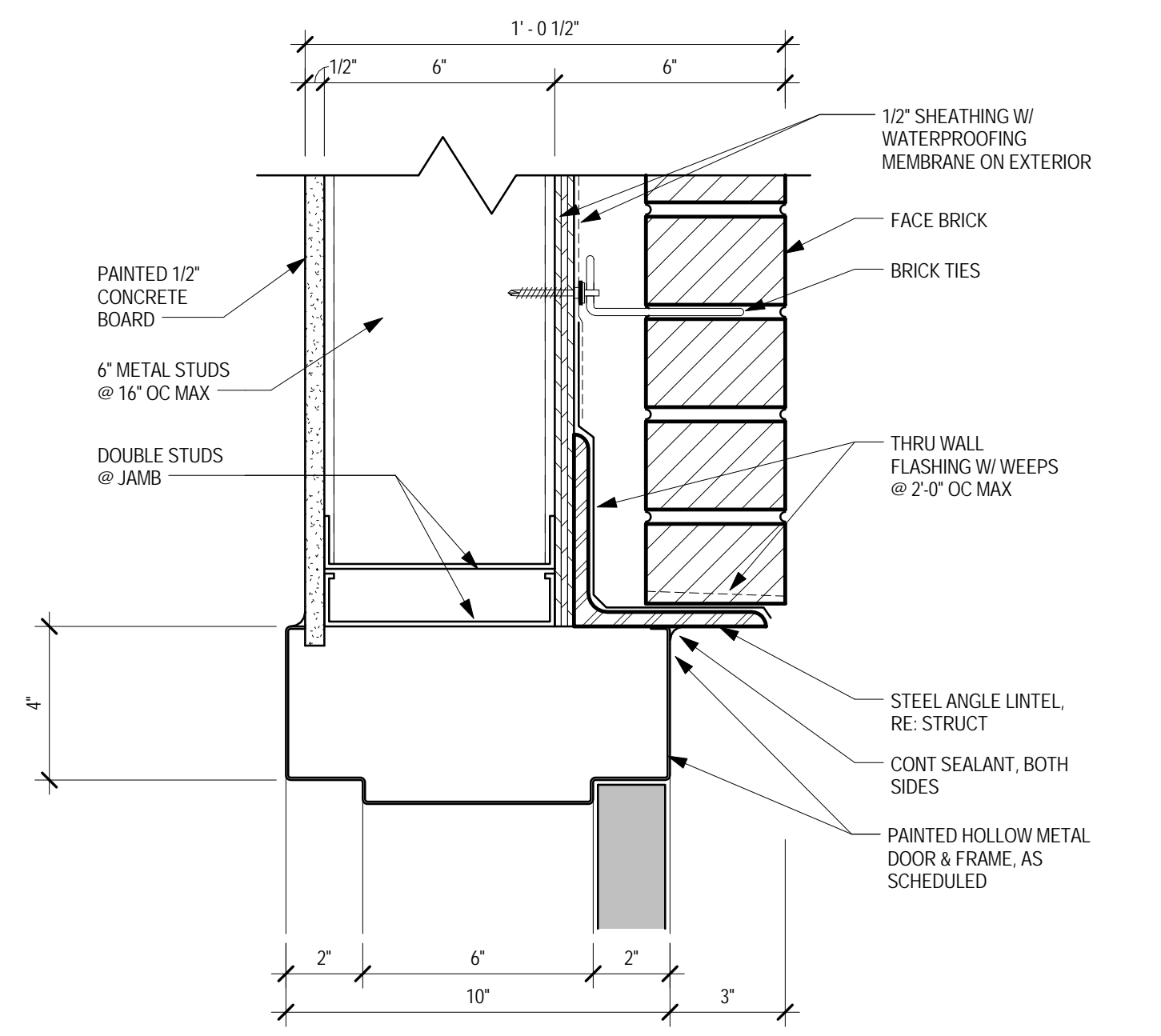
MARK	TYPE MARK	WIDTH	HEIGHT	HEAD	JAMB	SILL	SILL HEIGHT	COMMENTS
W1	W1	2'-11 1/2"	34'-3"	6A5.3	4A2.1/5A2.1	1A5.3	0'-0"	
W2	W2	4'-4"	31'-3"	1A5.2	3A2.1	1A5.1	3'-0"	
W3	W3	2'-11 1/2"	31'-3"	1A5.2	2A2.1	1A5.1	3'-0"	
W4	W4	2'-11 1/2"	31'-0"	1A5.2	2A2.1	1A5.1	3'-0"	
W5	W5	4'-4"	31'-0"	1A5.2	3A2.1	1A5.1	3'-0"	
W6	W6	2'-11 1/2"	30'-0"	6A5.3	4A2.1/5A2.1	1A5.3 SIM	1'-0"	

ROOM FINISH SCHEDULE

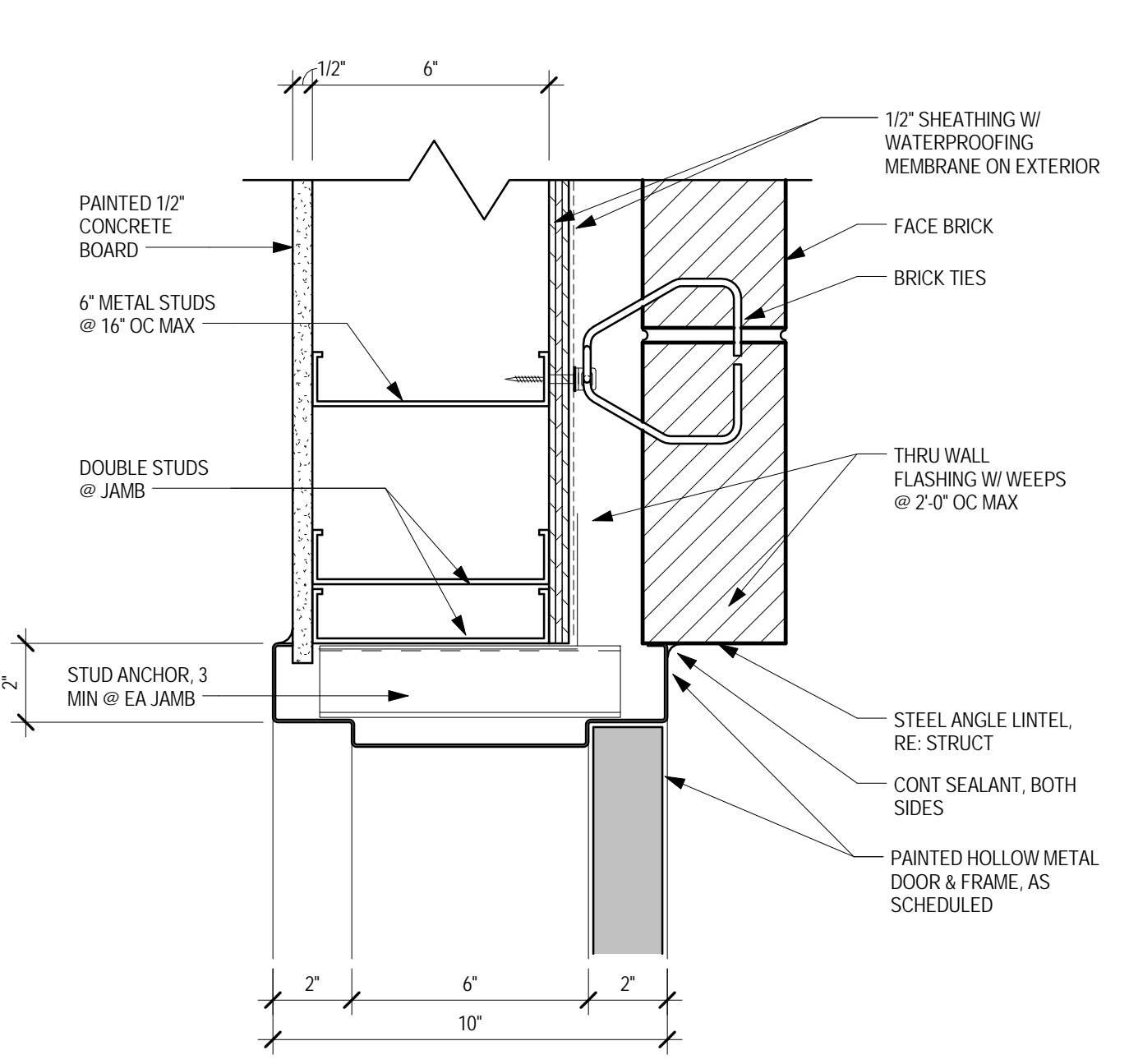
ROOM NO.	ROOM NAME	FLOOR FINISHES				WALL FINISHES				CEILING FINISH	REMARKS
		FLOOR	BASE	NORTH	EAST	SOUTH	WEST				
Not Placed											
102	EQUIP ROOM	CONC	NONE	PAINT	PAINT	PAINT	PAINT	OPEN			
204	Room										
LOWER PLAZA LEVEL											
101	ELEVATOR SHAFT 1	CONC	NONE	PAINT	PAINT	PAINT	PAINT	OPEN / PAINT			
MIDDLE PLAZA LEVEL											
103	ELEVATOR CAB 1		STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	ALL FINISHES BY ELEV MFG	
201	ELEVATOR SHAFT 2	CONC	NONE	PAINT	PAINT	PAINT	PAINT	OPEN / PAINT			
202	EQUIP ROOM	CONC	NONE	PAINT	PAINT	PAINT	PAINT	OPEN			
UPPER PLAZA PLAN											
203	ELEVATOR CAB 2		STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	STAINLESS STEEL	ALL FINISHES BY ELEV MFG	
OVERALL SITE PLAN											
103	PEDESTRIAN TUNNEL	EXISTING	NONE	PAINT	PAINT	PAINT	PAINT	PAINT	PAINT	EXISTING WALLS AND CEILING TO BE PAINTED	



1 WINDOW ELEVATIONS
A6.1 1/4" = 1'-0"

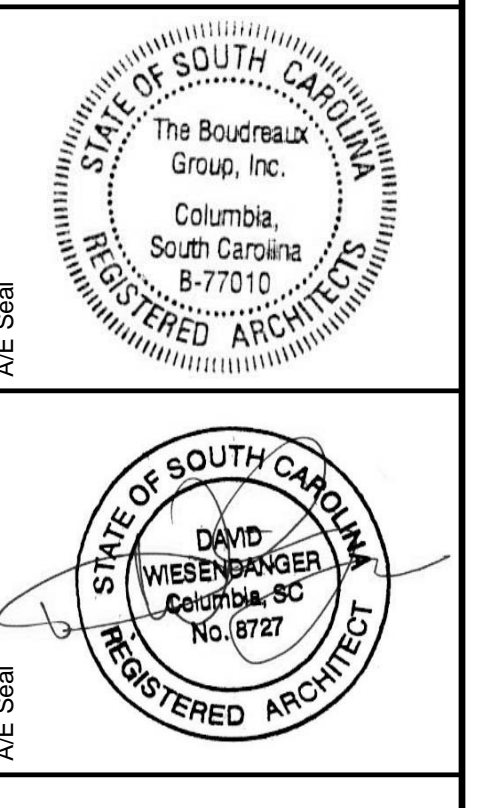


4 DOOR HEAD AT BRICK / STUD WALL
A6.1 3" = 1'-0"



5 DOOR HEAD AT BRICK / STUD WALL
A6.1 3" = 1'-0"

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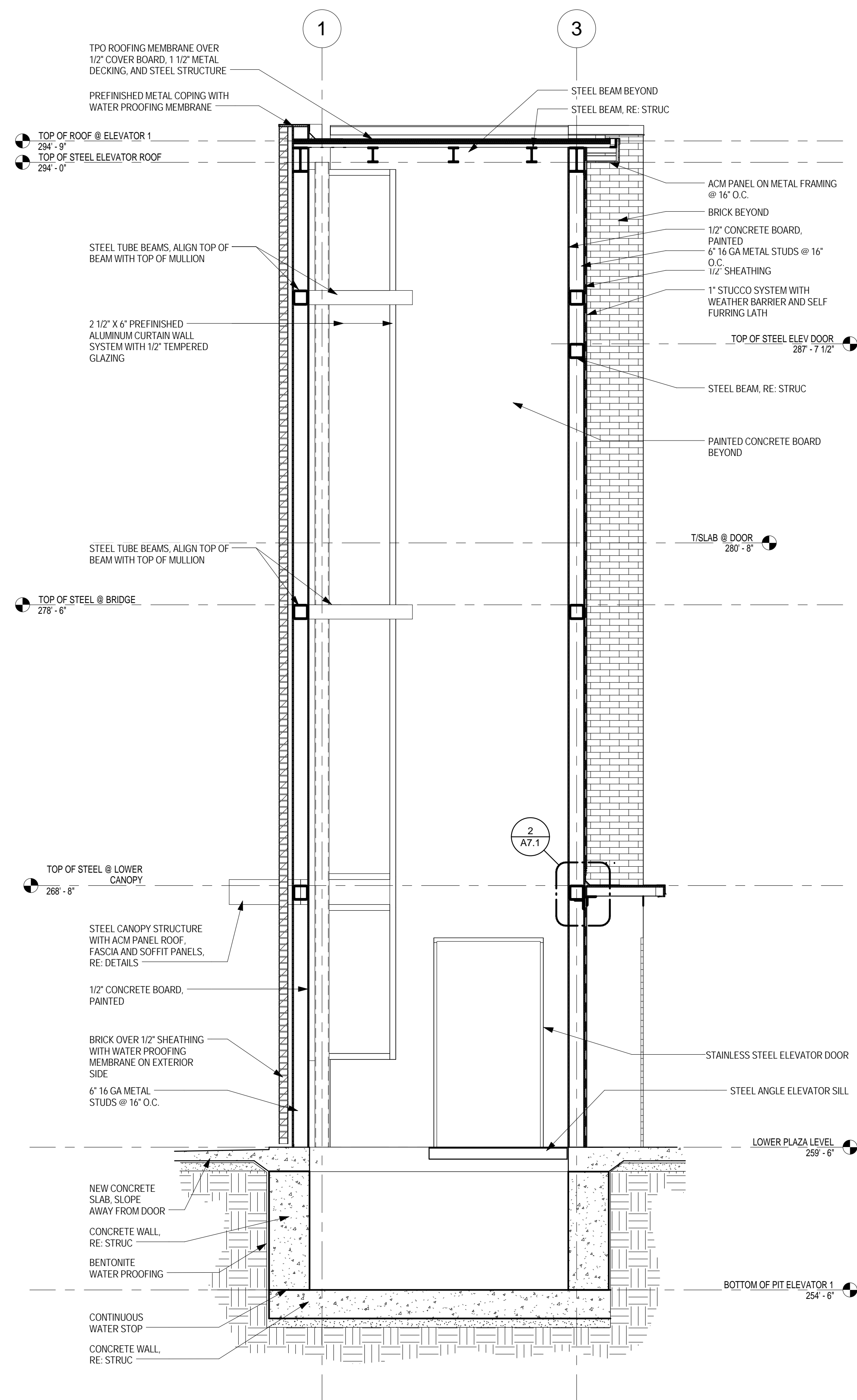


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			2013

DOOR, WINDOW, FINISH
SCHEDULES AND DETAILS

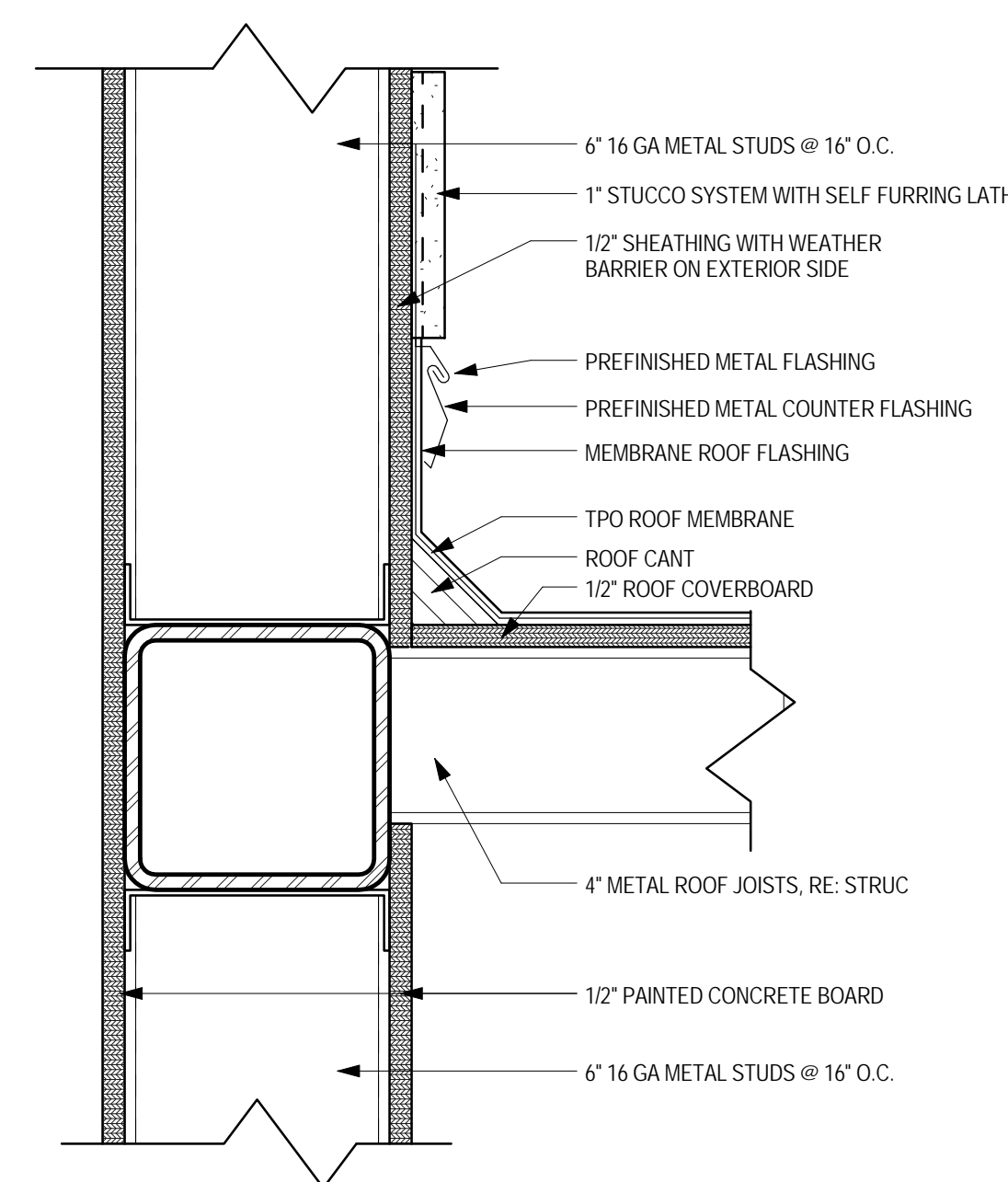
Drawing No.
A6.1



WALL SECTION 4 AT ELEVATOR 1 (Alternate)

1
A7.1

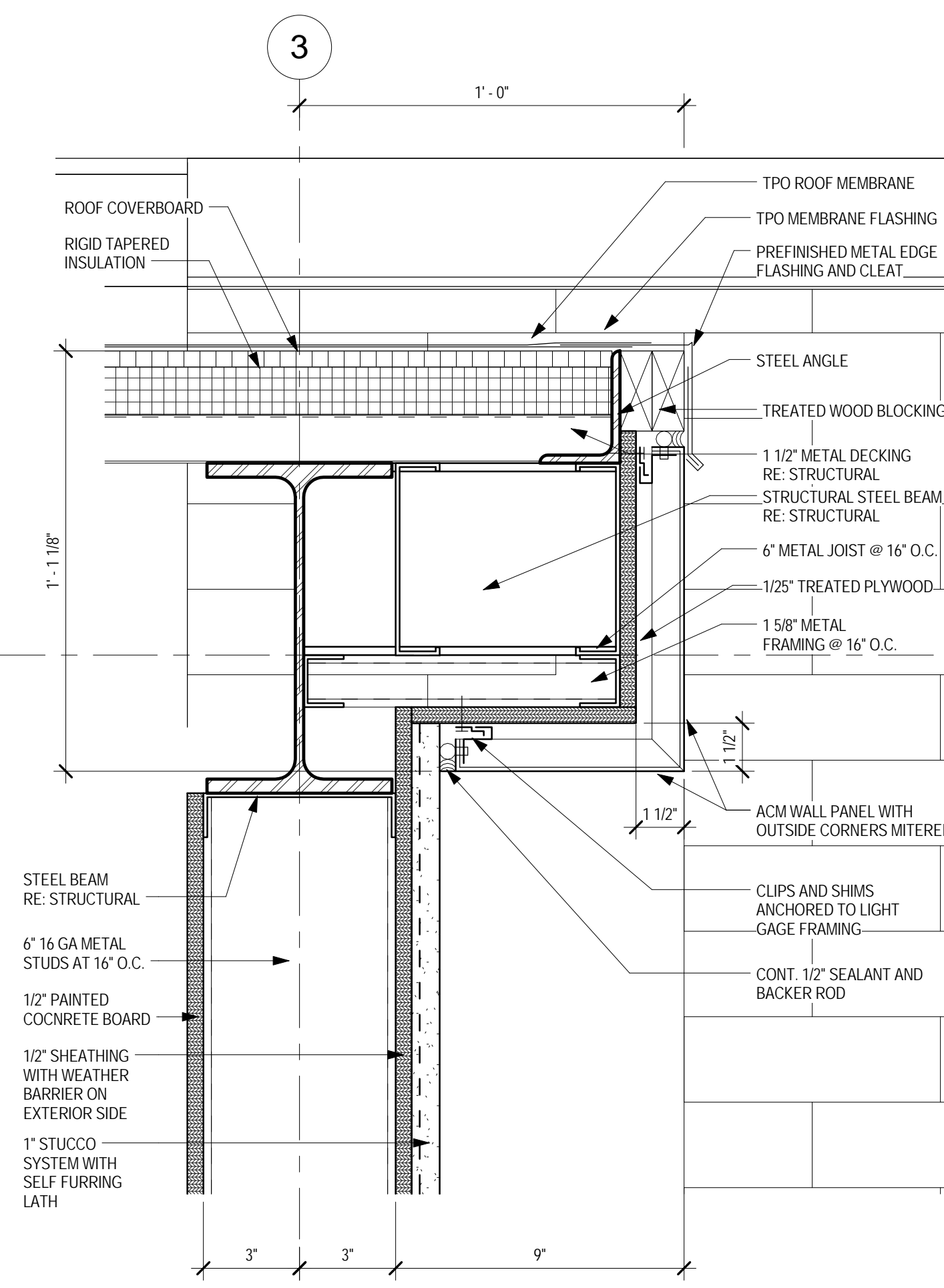
2
3/8" = 1'-0"



2 STUCCO SECTION DETAIL @ LOW ROOF

A7.1

3" = 1'-0"

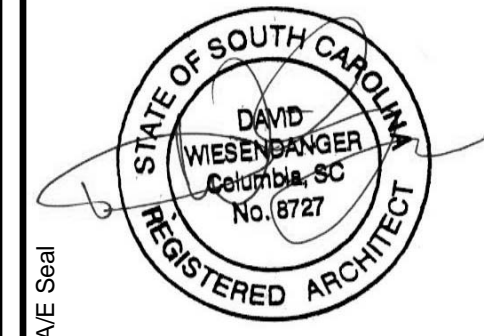
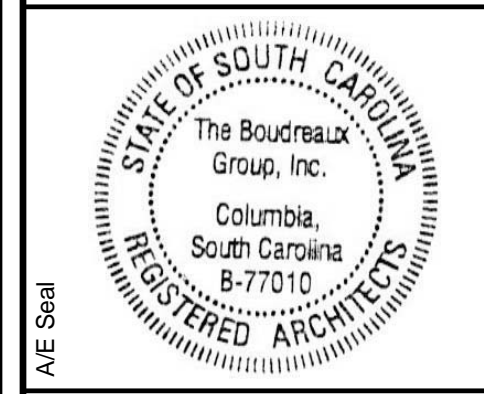


3 STUCCO DETAIL AT ROOF

A7.1

3" = 1'-0"

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			2013

ALTERNATE #1 - SECTIONS
 AND DETAILS

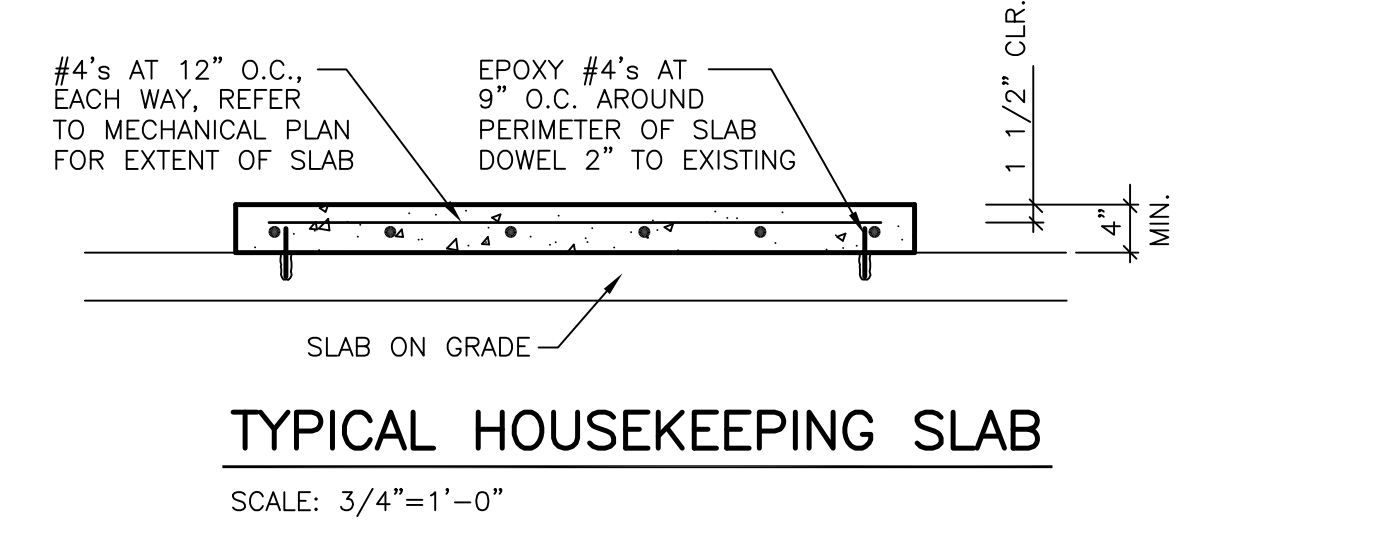
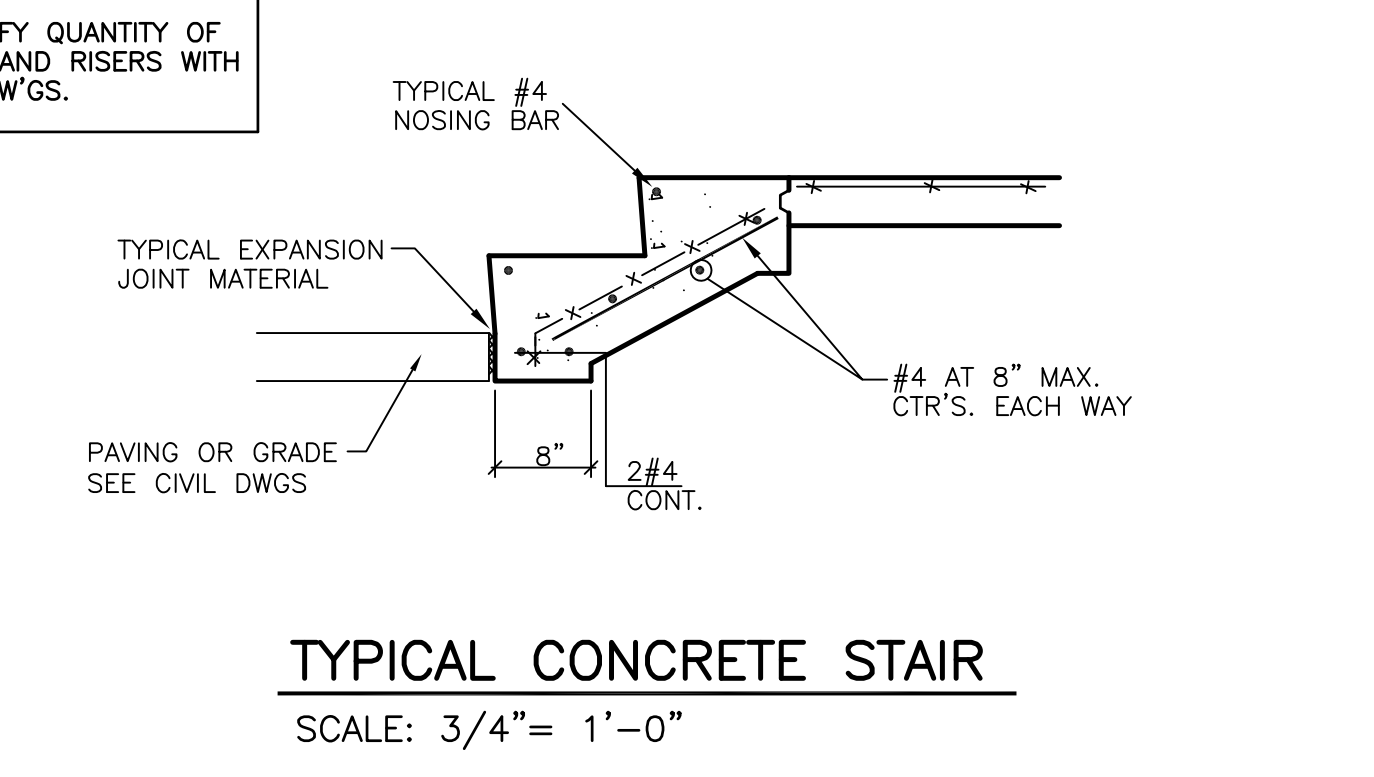
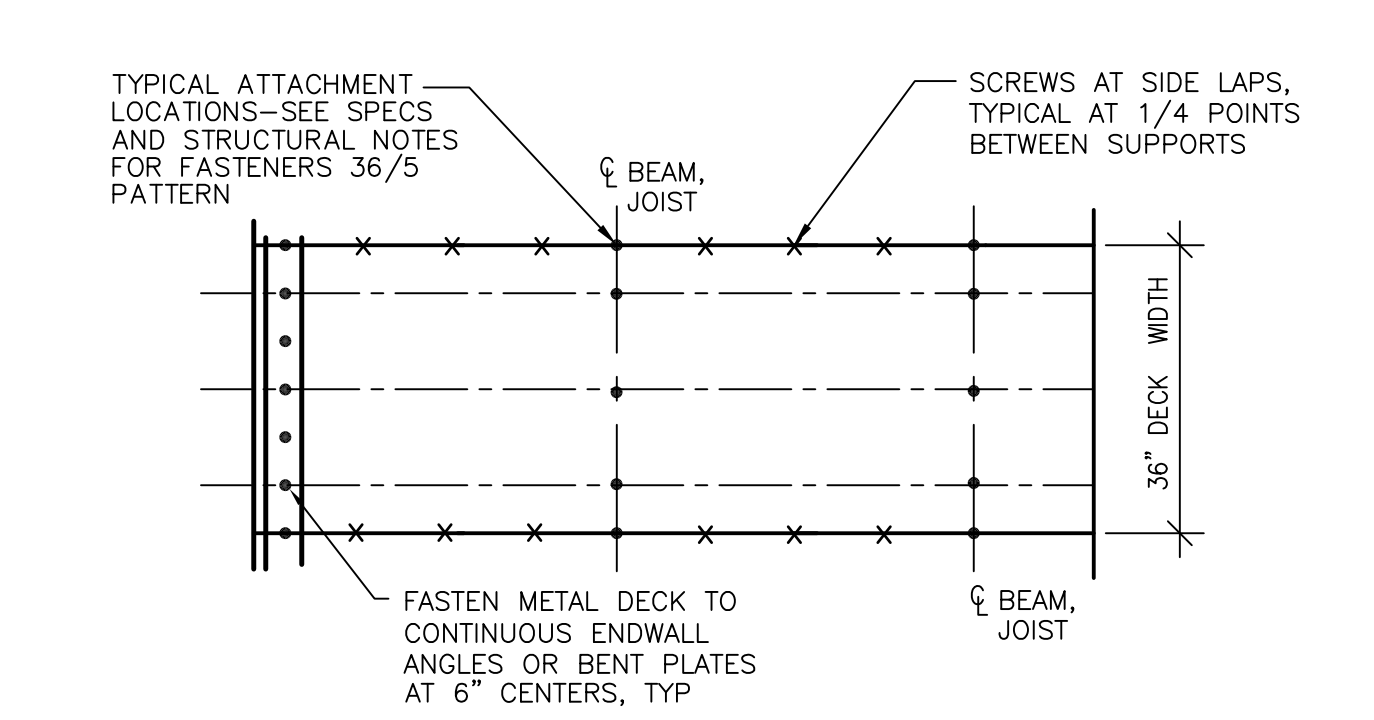
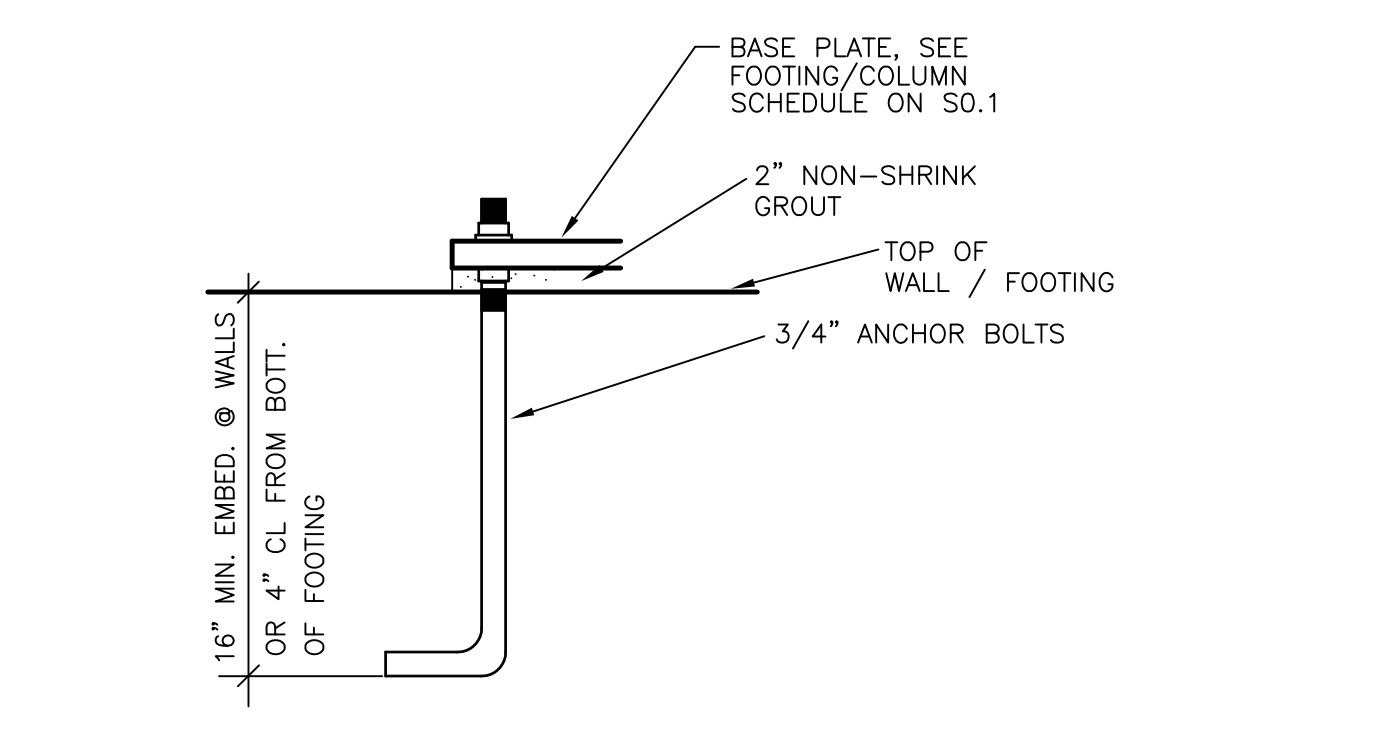
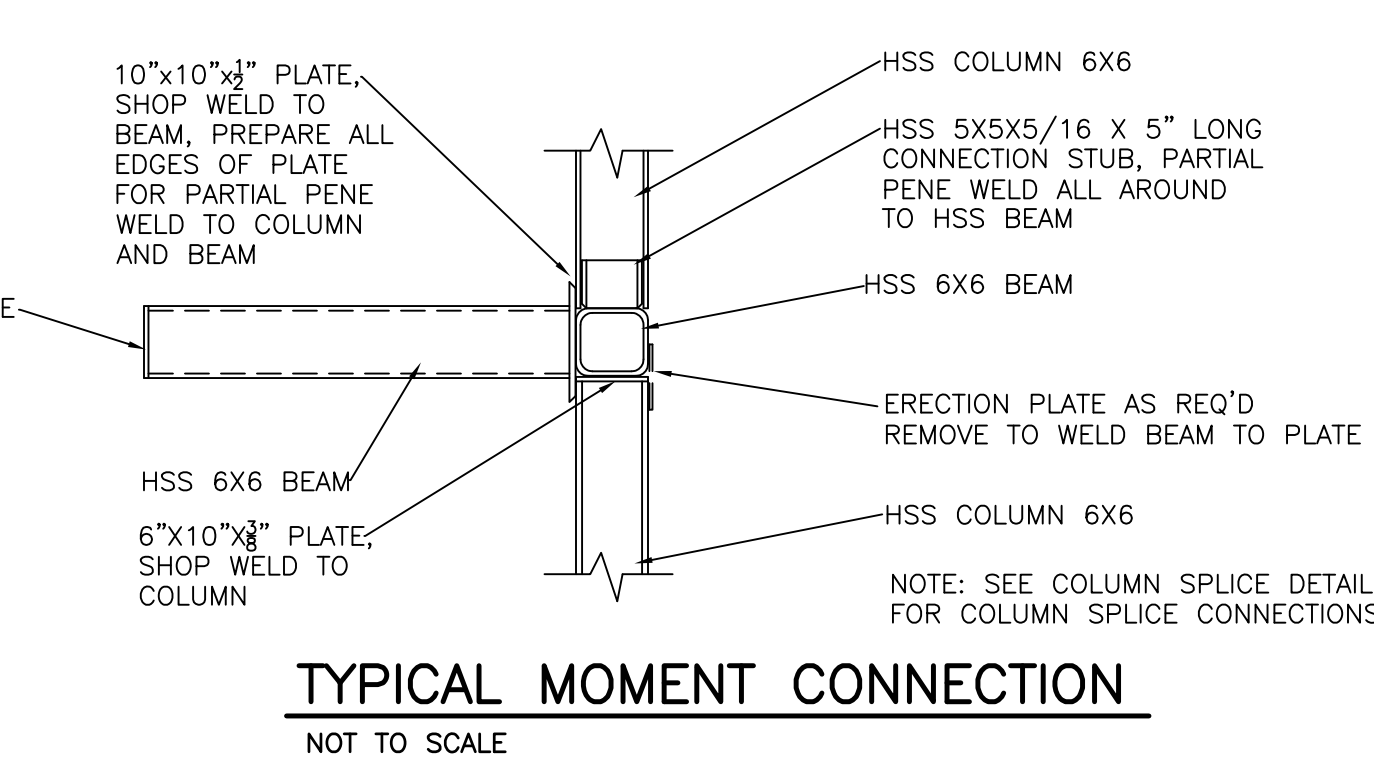
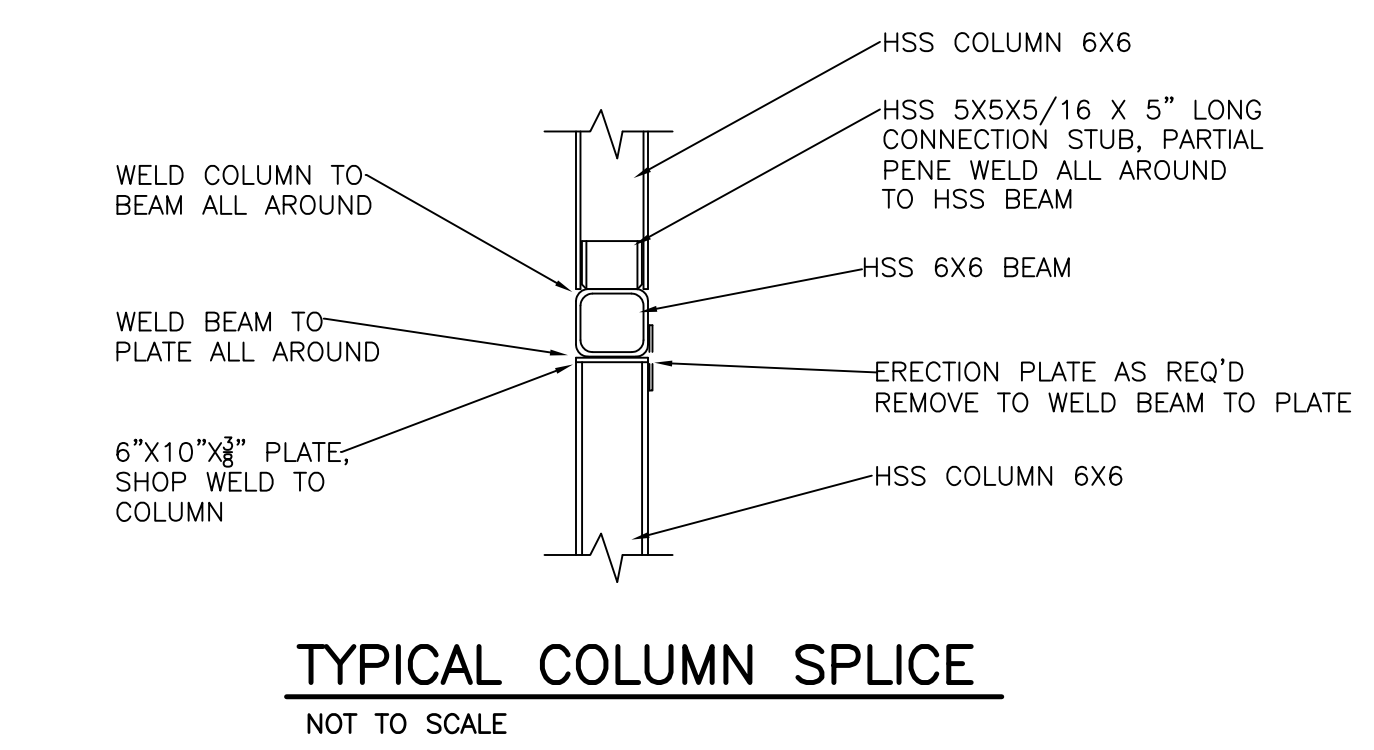
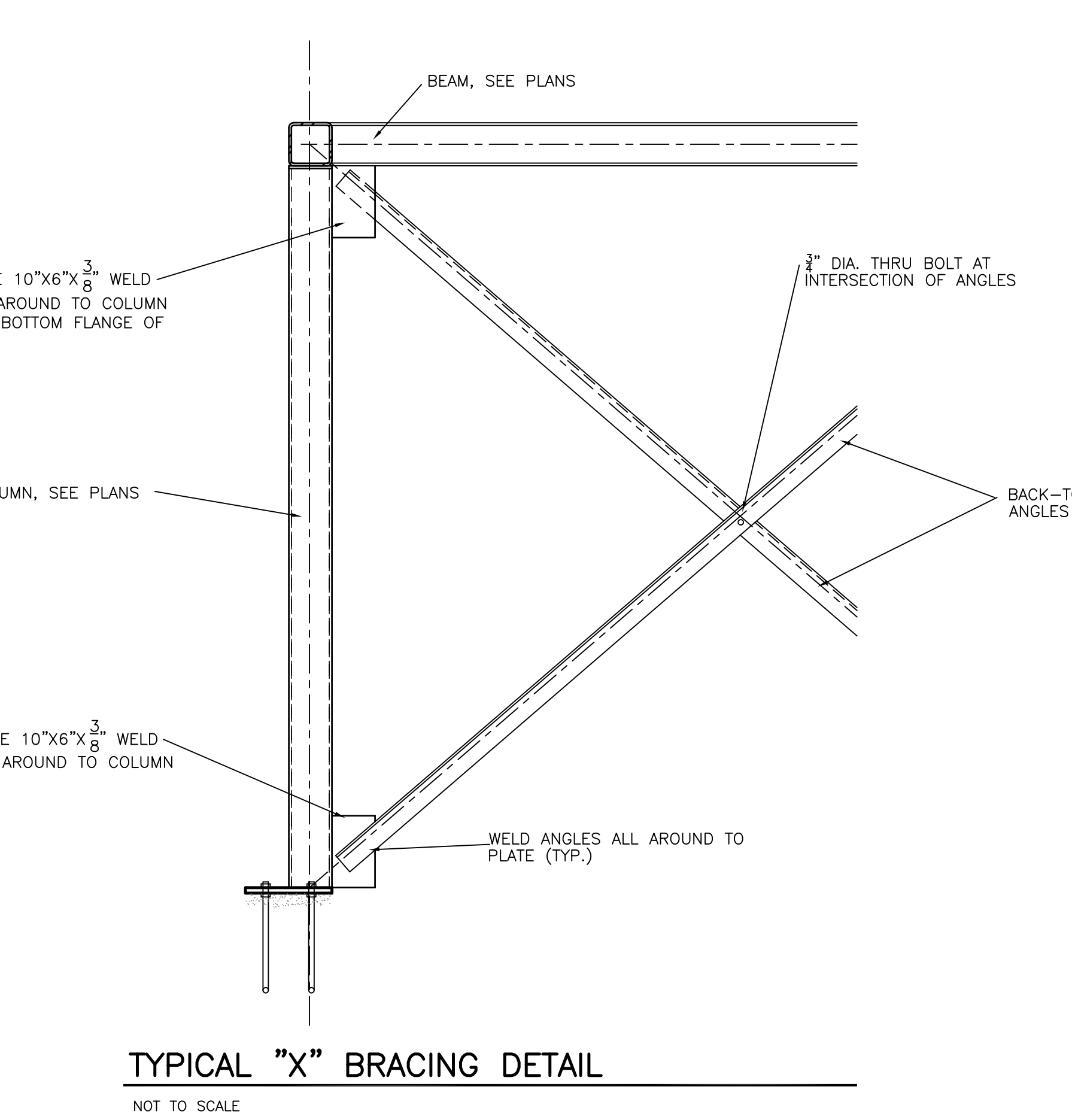
Drawing No.
A7.1

GENERAL NOTES:

- 1. BUILDING CODE - IBC 2006
- 2. LOADS:
 - A. LIVE:100 PSF
 - B. DEAD: ACTUAL WEIGHTS OF MATERIALS, EQUIPMENT
- D. WIND DESIGN DATA
 - (1) BASIC WIND SPEED - 100 MPH
 - (2) WIND IMPORTANCE FACTOR I=1.0, EXPOSURE C.
- E. EARTHQUAKE DESIGN DATA
 - (1) SEISMIC IMPORTANCE FACTOR I=1.0, OCCUPANCY CATEGORY II
 - (2) SS=55, S1=15
 - (3) SITE CLASS D (ASSUMED)
 - (4) SDS=0.1, SD1=2
 - (5) SEISMIC DESIGN CATEGORY "D"
 - (6) BUILDING FRAME SYSTEM - ORDINARY STEEL CONCENTRICALLY BRACED FRAMES AND ORDINARY PRECAST SHEARWALLS
 - (7) DESIGN BASE SHEAR V = 4 KIPS
 - (8) CS=.157
 - (9) R=3.25
 - (10) EQUIVALENT LATERAL FORCE PROCEDURE
- 3. CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
 - a. NORMAL WEIGHT (150 PCF) 4000 PSI FOR ALL CONCRETE AND MISCELLANEOUS CONCRETE.
- 4. ALL REINFORCING BARS TO HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI.
- 5. CONCRETE FORMWORK:
 - a. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK
 - b. RESPONSIBILITY OF THE CONTRACTOR: THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL FORM, SHORES, BACKSHORES, FALSEWORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOAD, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - c. TOLERANCE: UNLESS SPECIFIED OTHERWISE, ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 117, STANDARD TOLERANCE FOR CONCRETE CONSTRUCTION AND MATERIALS. THE CONTRACTOR SHALL ENGAGE A LICENSED SURVEYOR TO VERIFY THAT WORK IS WITHIN SPECIFIED TOLERANCES.
 - d. ALL PERMANENTLY VISIBLE EDGES OF CONCRETE SHALL HAVE A 3/4" CONTINUOUS CHAMFER. THIS INCLUDES ALL SLABS, BEAMS, COLUMNS, AND WALLS.
- 6. CHECK WITH VARIOUS TRADES FOR SLEEVES, OPENINGS, CONDUITS, ETC. BEFORE POURING CONCRETE.
- 7. ALL WALLS (CONCRETE OR MASONRY) EXPOSED TO SOIL SHALL BE THOROUGHLY WATERPROOFED.
- 8. ALL CONCRETE WALLS, BEAMS, RAILS, ETC. SHALL HAVE CORNER BARS SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT, UNLESS NOTED OTHERWISE.
- 9. PROVIDE AND INSTALL ALL PLATES, ANGLES, REINFORCING, ETC., EMBEDDED IN CAST-IN-PLACE CONCRETE.
- 10. VERIFY LOCATIONS OF ALL WALLS, OPENINGS, DEPRESSIONS, CHAMFERS, BRICK LEDGES, ANCHOR SLOTS, REGLETS, ETC. WITH ARCHITECTURAL DRAWINGS.
- 11. VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- 12. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 13. SEE ARCHITECTURAL DRAWINGS FOR EXTREMITIES OF CONCRETE SLABS.
- 14. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND ELEVATIONS BEFORE ANY FABRICATION HAS STARTED.
- 15. PROVIDE AND INSTALL ALL TEMPORARY BRACING AS REQUIRED FOR SAFETY/STABILITY OF THE STRUCTURE UNTIL STRUCTURE IS COMPLETE.
- 16. ALL CONCRETE SLABS ON GRADE TO BE 6" THICK REINFORCED WITH WWF 6 X 6 - W2.0 X W2.0 (UNLESS NOTED OTHERWISE)
- 17. ALL CONCRETE SLABS TO SLOPE TO FLOOR DRAINS, IN ROOMS OR AREAS THAT HAVE FLOOR DRAINS. SEE ARCHITECTURAL PLANS AND PLUMBING PLANS FOR LOCATIONS.
- 18. NOTE THAT THE MECHANICAL EQUIPMENT SHOWN ON THE STRUCTURAL DRAWINGS IS FOR GENERAL INFORMATION ONLY. DO NOT LOCATE THE EQUIPMENT FROM THE STRUCTURAL DRAWINGS. SEE MECHANICAL DRAWINGS FOR LOCATIONS. RE-SPACE AND LOCATE DOUBLE JOIST ETC. AS NECESSARY TO SUIT EQUIPMENT SELECTED. BUILDING CONTRACTOR SHALL COORDINATE DIMENSIONS AND LOCATIONS OF ANGLE FRAMES AND STRUCTURAL SUPPORT FOR MECHANICAL EQUIPMENT AND HOLES IN ROOFS AND FLOOR SLABS WITH MECHANICAL CONTRACTOR AND EQUIPMENT SUPPLIER.
- 19. CONTRACTOR SHALL VISIT SITE TO BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AND SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, FRAMING CONDITIONS, AND CONNECTIONS BEFORE BEGINNING CONSTRUCTION OR ANY FABRICATION.
- 20. WHERE DETAIL IS SHOWN ON STRUCTURAL DRAWINGS FOR ONE CONDITION, IT SHALL APPLY TO ALL SIMILAR OR LIKE CONDITIONS, UNLESS NOTED OR SHOWN OTHERWISE ON PLANS.
- 21. STRUCTURAL STEEL:
 - a. STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS, UNLESS NOTED OTHERWISE ON PLANS:
 - i. ALL ROLLED ANGLES, CHANNELS, PLATES, BARS A-36(Fy=36ksi) MATERIAL FOR ALL BRACING
 - ii. RODS SHALL BE ASTM-A372, GRADE 50.
 - iii. ALL ROLLED W SHAPES, BEAMS, COLUMNS A-992(Fy=50ksi)
 - iv. ALL BASE PLATES AND ANCHOR BOLTS (UNLESS NOTED OTHERWISE) A-36(Fy=36ksi)
 - v. STRUCTURAL STEEL PIPE ----- A-53(Fy=35ksi)
 - vi. STRUCTURAL STEEL TUBE ----- A-500(Fy=46ksi)
 - b. BOLTED CONNECTIONS:
 - i. ALL CONNECTIONS (UNLESS NOTED OTHERWISE) SHALL BE MADE WITH 3/4" DIAMETER A-325X OR A-490X BOLTS.
 - ii. OVERSIZE OR LONG SLOTTED HOLES ARE NOT ALLOWED UNLESS SHOWN ON STRUCTURAL PLANS.
 - iii. THE SHOP DRAWINGS SHALL CLEARLY INDICATE THE TYPE OF BOLTS USED IN EACH CONNECTION AND THE ALLOWABLE VALUES USED FOR THE VARIOUS BOLT TYPES.
 - c. THE FOLLOWING MINIMUM STANDARDS APPLY:
 - (1) MINIMUM PLATE THICKNESS = 3/8"
 - (2) MINIMUM BOLT DIAMETER = 3/4"
 - (3) MINIMUM WELD = 3/16" THICK THROAT
 - (4) MINIMUM DESIGN LOAD ON ANY CONNECTION = 15kips
 - d. WELDED CONNECTIONS:
 - i. ALL SHOP AND FIELD WELDING SHALL CONFORM TO ASW STRUCTURAL WELDING CODE-STEEL.
 - ii. ANS/AWS - D1.1
 - iii. MINIMUM WELD = 3/16" THICK THROAT
 - iv. SPLICING OF STRUCTURAL STEEL WHERE NOT DETAILED IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVED OF THE ENGINEER.
 - e. BEAM CONNECTIONS:
 - i. DESIGN CONNECTIONS FOR ROOF BEAM TO BEAM AND/OR BEAM TO COLUMN TO SUPPORT 60% PERCENT OF THE UNIFORM CAPACITY SHOWN IN AISC TABLES FOR ALLOWABLE LOADS ON BEAMS" FOR THE GIVEN SECTION AND SPAN UNLESS NOTED OTHERWISE OR REQUIRED.
 - ii. DESIGN CONNECTIONS FOR COMPOSITE BEAM TO BEAM AND/OR BEAM TO COLUMN TO SUPPORT 75% PERCENT OF THE UNIFORM CAPACITY SHOWN IN AISC TABLES FOR ALLOWABLE LOADS ON BEAMS" FOR THE GIVEN SECTION AND SPAN UNLESS NOTED OTHERWISE OR REQUIRED.
 - f. GALVANIZING: HOT-DIP GALVANIZE AFTER FABRICATION ALL STRUCTURAL STEEL ITEMS AND THEIR CONNECTIONS PERMANENTLY EXPOSED TO WEATHER. EXAMINE DRAWINGS FOR OTHER ITEMS TO BE GALVANIZED.
 - g. CHANNEL - ANGLE SYSTEM (MISCELLANEOUS STEEL)
 - h. MITER AND WELD ANGLES TOGETHER AT CORNERS.
 - i. MISCELLANEOUS STEEL
 - ii. IF NOT SHOWN ON CONTRACT DOCUMENTS PROVIDE A CONTINUOUS 1/4" WELD FOR ALL FIELD WELDS ON MISCELLANEOUS CONNECTIONS.
- 22. AFTER STEEL BEARING PLATES HAVE BEEN PROPERLY LOCATED AND ALIGNED, GROUT PLATES SOLIDLY WITH GROUT WORKED UNDER STEEL TO COMPLETELY FILL SPACE.
- 23. WELD ALL STEEL BEAMS, LINTELS, AND JOISTS TO BEARING PLATES AFTER DEAD LOADS ARE IN PLACE.
- 24. ALL WEDGE ANCHORS AT MASONRY WALLS TO HAVE A MINIMUM EMBEDMENT OF 6".
- 25. PROVIDE 4" x 4" x 1/4" ANGLE FRAME (SPANNING BETWEEN JOISTS OR OTHER STRUCTURE) FOR ROOF DRAINS, EQUIPMENT, OR OPENINGS IN ROOF CAUSED BY EQUIPMENT NOT SHOWN ON STRUCTURAL DRAWINGS.
- 26. PROVIDE ANGLES 4" x 4" x 1/4" SPANNING BETWEEN JOISTS (WELD TO TOP CHORDS OF JOISTS) AT ROOFTOP MECHANICAL UNITS TO SUPPORT CURB.
- 27. DO NOT SHOP-PRIME STRUCTURAL STEEL THAT IS TO RECEIVE SPRAY-ON FIREPROOFING MATERIAL.
- 28. ALL REINFORCING SPLICES SHALL HAVE A TENSION SPLICE LENGTH UNLESS NOTED OR SPECIFIED OTHERWISE.
- 29. DO NOT HANG ANY PIPING, DUCTWORK, OR EQUIPMENT FROM THE ROOF OR FLOOR DECK.
- 30. STEEL ROOF DECK: (PROVIDE FACTORY PRIME FINISH OVER G90 GALVANIZED FINISH ON BOTTOM SIDE FOR ALL EXPOSED DECKING)
 - a. ALL STEEL ROOF DECK SHALL BE 1 1/2" DEEP 22 GAGE TYPE "B" ROOF DECK - GALVANIZED - G90 AS MANUFACTURED BY CONSOLIDATED SYSTEMS INC. OR APPROVED EQUAL.
 - b. ROOF DECK SHALL BE PLACED IN AT LEAST TWO SPAN SEGMENTS. NO SINGLE SPAN CONDITIONS SHALL BE USED.
 - c. STEEL DECK SHALL CONFORM TO ASTM A653 STRUCTURAL QUALITY GRADE "33" FOR GALVANIZED DECK.
 - d. STEEL DECK SHALL BE GALVANIZED WITH A PROTECTIVE ZINC COATING CONFORMING TO ASTM 924 - G90.
 - e. ATTACHMENT:
 - i. SEE SPECS
 - ii. PROVIDE A MINIMUM END BEARING OF 2" OVER SUPPORTS.
 - iii. END LAPS OF SHEETS SHALL BE A MINIMUM OF TWO INCHES AND SHALL OCCUR OVER SUPPORTS.

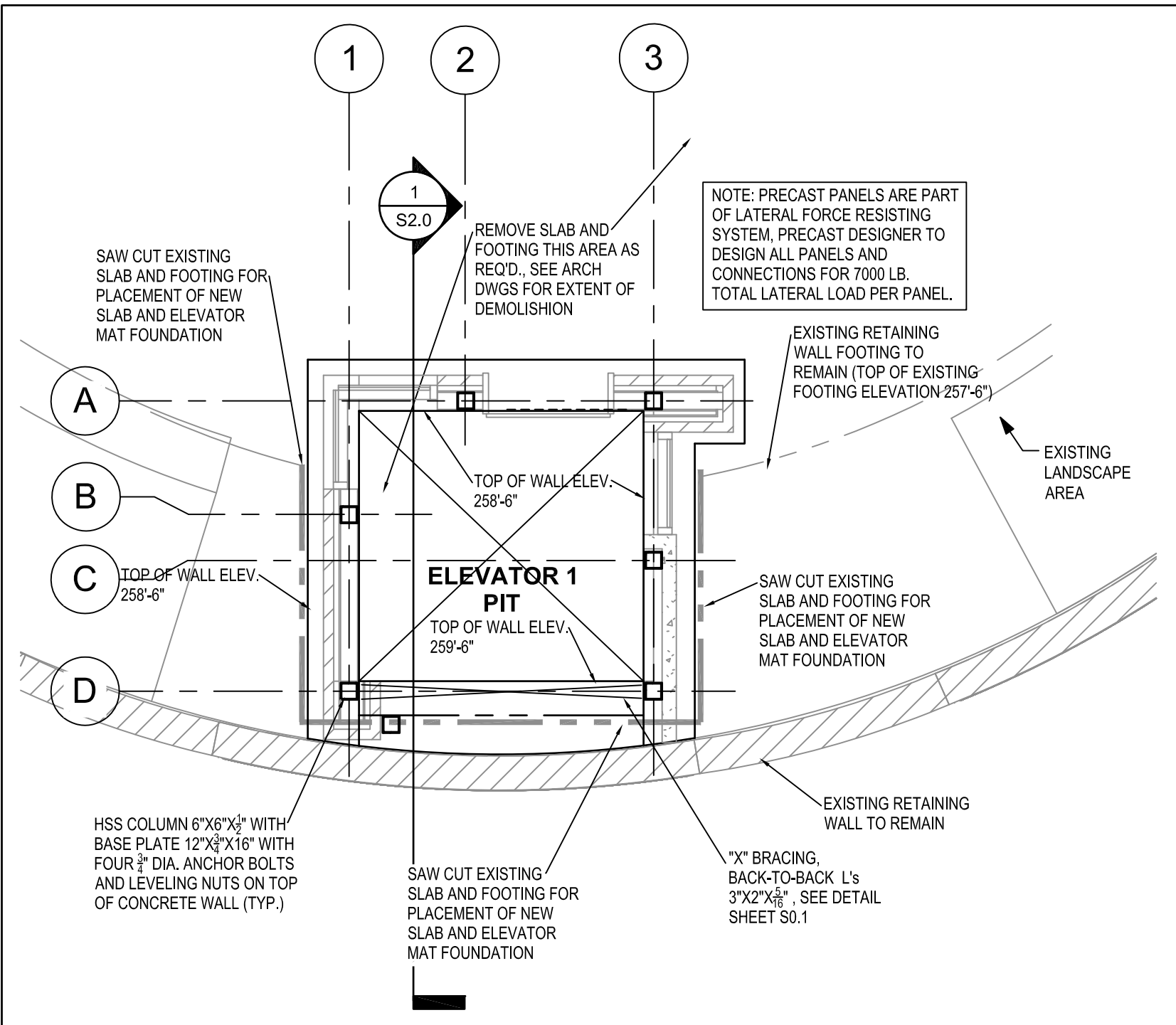
- 31. REVIEW OF SUBMITTAL AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.
- 32. THE DESIGN OF PREENGINEERED SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, SUPPLIER, AND ITS DESIGN ENGINEER, LICENSED IN THE PROJECT STATE. SUBMITTAL OF SUCH SYSTEMS TO THE STRUCTURAL ENGINEER OF RECORD SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT AND OR SIZES OF MEMBERS, SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS, AND THE SUPPLIER'S INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS. SEE SPECIFIC SECTIONS OF GENERAL NOTES ABOVE AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE SUPPLIER AND ITS LICENSED ENGINEER.
- 33. DRAWINGS INDICATE GENERAL ARRANGEMENT AND DIMENSIONS AND ARE, GENERALLY, DRAWN TO SCALE. HOWEVER, SCALE DIMENSIONS SHALL NOT BE USED. OBTAIN DIMENSIONS FROM ARCHITECT, WHEN NOT GIVEN IN FIGURES. REFER TO THE ARCHITECT AND ENGINEER ANY INCONSISTENCIES FOUND.
- 34. WHERE A CONFLICT EXISTS BETWEEN STRUCTURAL AND ARCHITECTURAL, USE STRUCTURAL FOR ITEMS RELATING TO STRUCTURAL STRENGTH SUCH AS VERTICAL REINFORCING IN MASONRY WALLS, FOOTING SIZE, FOOTING ELEVATION, REINFORCING, MEMBER SIZE, ETC.
- 35. ALL TUBE STEEL TO TUBE STEEL CONNECTIONS SHALL BE 80% PARTIAL PENETRATION WELDS.
- 36. CRACK FILLER: IF CRACK REPAIRS IN CONCRETE SLABS BECOME NECESSARY UNDER THE TERMS OF THESE NOTES, USE CRACK-FILL 4 MADE BY METZGER/MCGUIRE (FOLLOW THE MANUFACTURER'S RECOMMENDATIONS), INSPECT THE FLOOR AFTER 90 DAYS, AND REPAIR ANY CRACK THAT IS MORE THAN 1/32" WIDE.
- 37. JOINTS (FILL ALL JOINTS IN CONCRETE SLABS WITH MM-80 EPOXY JOINT FILLER BY METZGER/MCGUIRE).
 - a. CONSTRUCTION JOINTS:
 - i. LOCATE CONSTRUCTION JOINTS IN STRICT ACCORDANCE WITH THE DRAWINGS. DO NOT ADD OR DELETE CONSTRUCTION JOINTS WITHOUT THE ARCHITECT'S APPROVAL. SHAPE: MAKE ALL CONSTRUCTION JOINTS AS PLAIN, VERTICAL BUTT JOINTS WITH SHARP, SQUARE EDGES. DO NOT TOOL. WHEN MAKING THE SECOND POUR, DO NOT LET MORTAR BUILD UP ON THE FIRST POUR. FILLING:
 - i. WAIT AT LEAST 90 DAYS, CHASE THE JOINT WITH A CONCRETE SAW. AT CONSTRUCTION JOINTS, CUT 1" DEEP. AT SAWCUT CONTROL JOINTS, CUT AS DEEP AS THE ORIGINAL JOINT. BLOW THE JOINT CLEAN WITH COMPRESSED AIR, USE BACKER ROD TO MAKE A VERTICAL DAM AT EACH END OF THE LENGTH TO BE FILLED. DO NOT USE BACKER ROD AT THE BOTTOM OF THE JOINT. FILL THE JOINT WITH SEMI-RIGID EPOXY. LEAVE THE SURFACE SLIGHTLY CROWNED. IF THERE IS A PROBLEM WITH THE EPOXY LEAKING OUT THE BOTTOM OF THE JOINT, LINE THE JOINT WITH A HARD PLASTIC ROD DRIVEN DOWN TO THE BOTTOM OF THE SAWCUT. AFTER THE JOINT HAS HARDENED, SAND IT FLUSH WITH A BELT SANDER.
 - ii. SAW JOINTS WITH EITHER A STANDARD WET-CUTTING CONCRETE SAW OR A SOFT-CUT SAW. TIMING: SAW JOINTS AS SOON AS THE CONCRETE CAN STAND SAWING WITHOUT DISLORGING PARTICLES OF COARSE AGGREGATE. DEPTH: IF USING A WET-CUTTING SAW, CUT JOINTS 2" DEEP.
- b. LIGHT GAUGE EXTERIOR WALL STUDS:
 - A. SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL.
 - B. FIELD DETERMINE ACTUAL LENGTHS OF STUDS AND FRAMING CONDITIONS.
 - C. FASTEN STUDS TO SUPPORTING STRUCTURE WITH "HILTI" SELF DRILLING SCREWS TYPE 12-24 x 7/8" HWH WITH #4 POINT. NUMBER OF SCREWS EACH CONNECTION SHALL BE AS REQUIRED TO RESIST THE LOADING DETERMINED BY DESIGN.
 - D. THE STRUCTURAL DESIGN OF THE WALL SYSTEM SHALL BE PERFORMED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. DESIGN CALCULATIONS SEALED BY THE REGISTERED ENGINEER SHALL BE SUBMITTED FOR ARCHITECT/ENGINEER RECORD ONLY. STUDS THAT SUPPORT MASONRY SHALL BE DESIGNED FOR A MAXIMUM LATERAL AND VERTICAL DEFLECTION OF L/600.
 - E. ALL STUDS TO BE A MINIMUM 600 S 200-54 AS MANUFACTURED BY A LISTED SSMA MEMBER, MAXIMUM SPACING SHALL BE 16".
 - F. ALL METAL COMPONENTS 16 GAGE OR THICKER TO HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
 - G. ALL METAL COMPONENTS 16 GAGE OR THINNER TO HAVE A MINIMUM YIELD STRENGTH OF 40 KSI.
 - H. ALL CLIP ANGLES AND METAL CHANNELS TO BE 14 GAGE, FASTENED TO STUDS AND STRUCTURAL STEEL WITH A MINIMUM OF FOUR "HILTI" SELF DRILLING SCREWS TYPE 12-24 x 7/8" HWH WITH #4 POINT.
 - I. ALL SCREWS FOR ATTACHMENT TO STEEL SECTIONS TO BE "HILTI" SELF DRILLING SCREWS TYPE 12-24 x 7/8" HWH WITH #4 POINT IF NOT NOTED. ALL SCREWS FOR ATTACHMENT OF LIGHT GAGE TO LIGHT GAGE TO BE "HILTI" SELF DRILLING SCREWS TYPE 12-14 x 7/8" HWH WITH #4 POINT IF NOT NOTED.
 - J. ALL COMPONENTS TO BE AS MANUFACTURED BY A LISTED SSMA MEMBER

- 39. PROVIDE TS 6"x4"x5/16" RAIL SUPPORT COLUMN FOR ELEVATOR SELECTED COORDINATE WITH ELEVATOR SUPPLIER THE NUMBER OF COLUMNS REQUIRED AND THE LOCATIONS OF COLUMNS. PROVIDE BASE PLATE AND CONNECTIONS TO BEAMS TO SUIT ELEVATOR SELECTED (IF REQ'D. BY ELEVATOR MANUFACTURER).

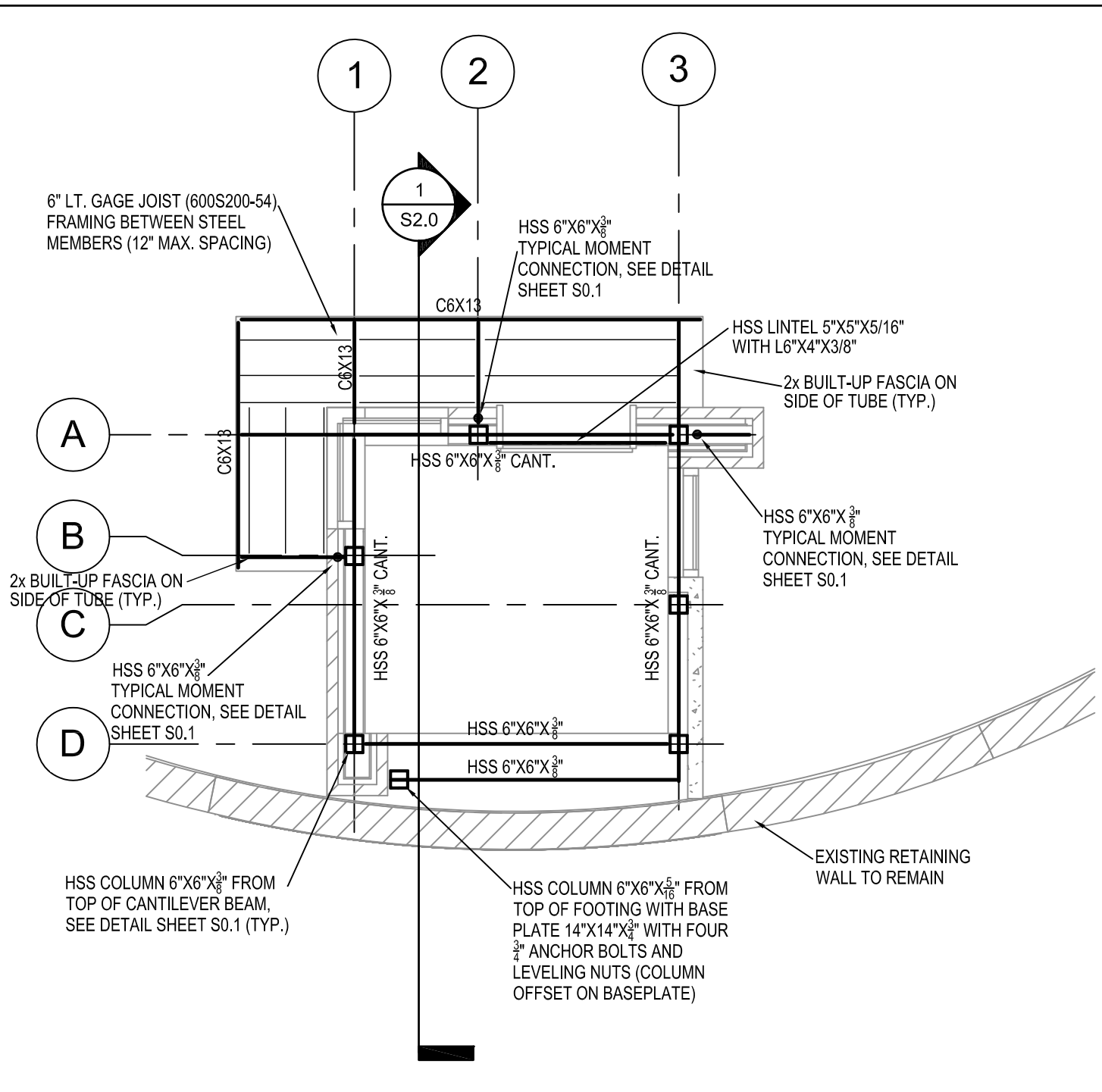


Project Number	H27-Z010
Drawn By	GM/ML
Checked By	AAS
Date	November 13, 2013

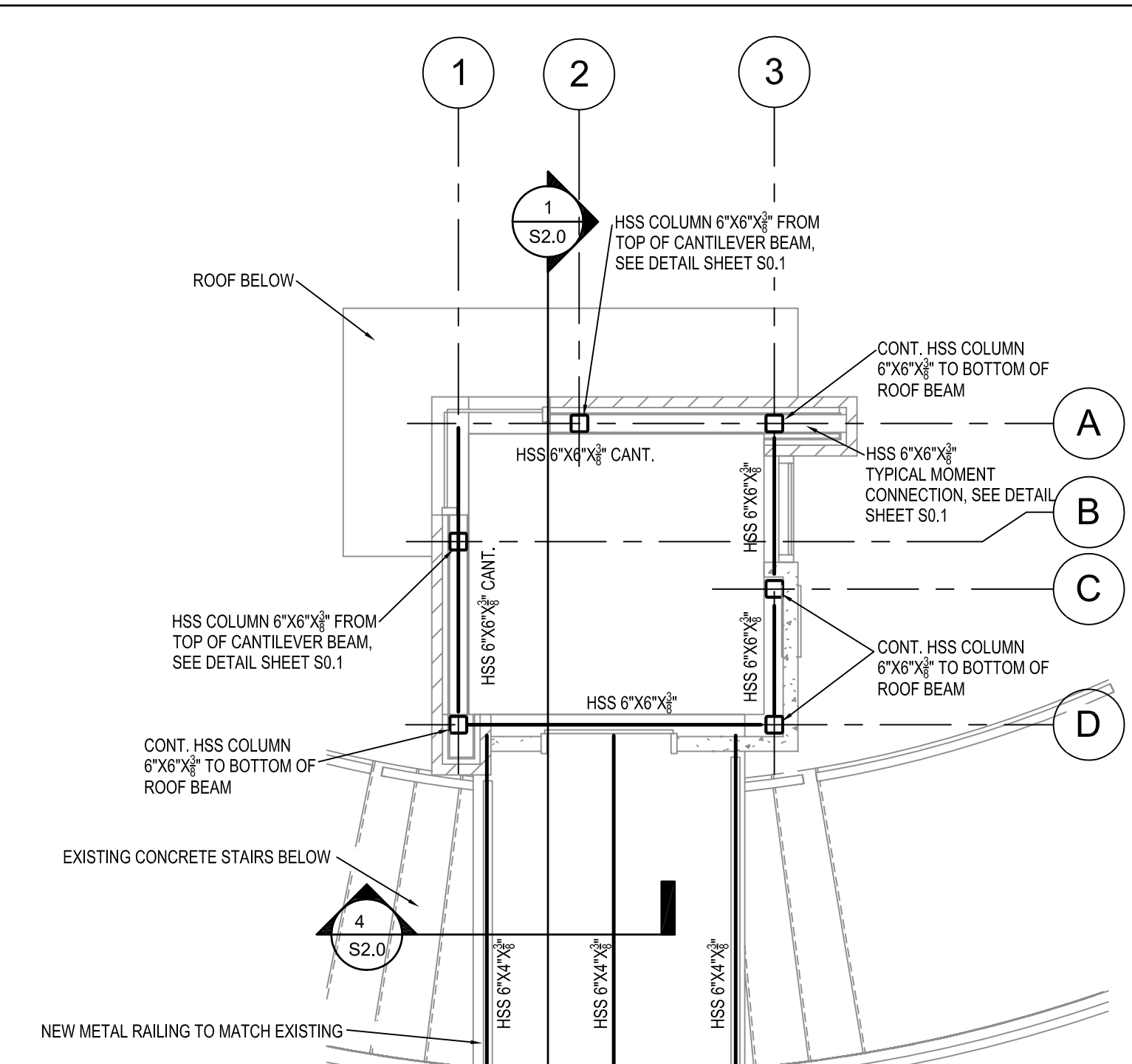
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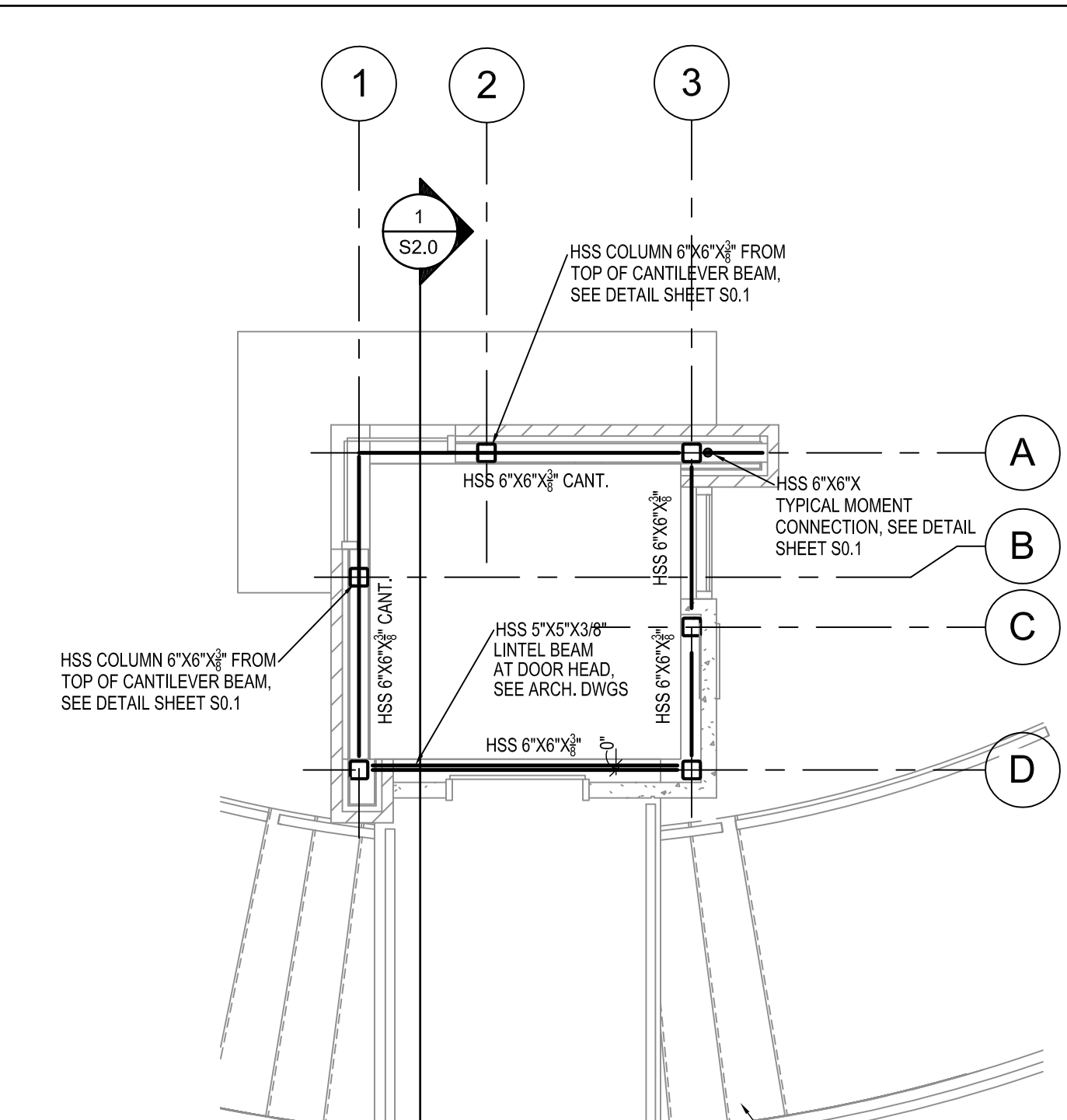
1 FOUNDATION PLAN - ELEVATOR 1
S1.0 1/4" = 1'-0"



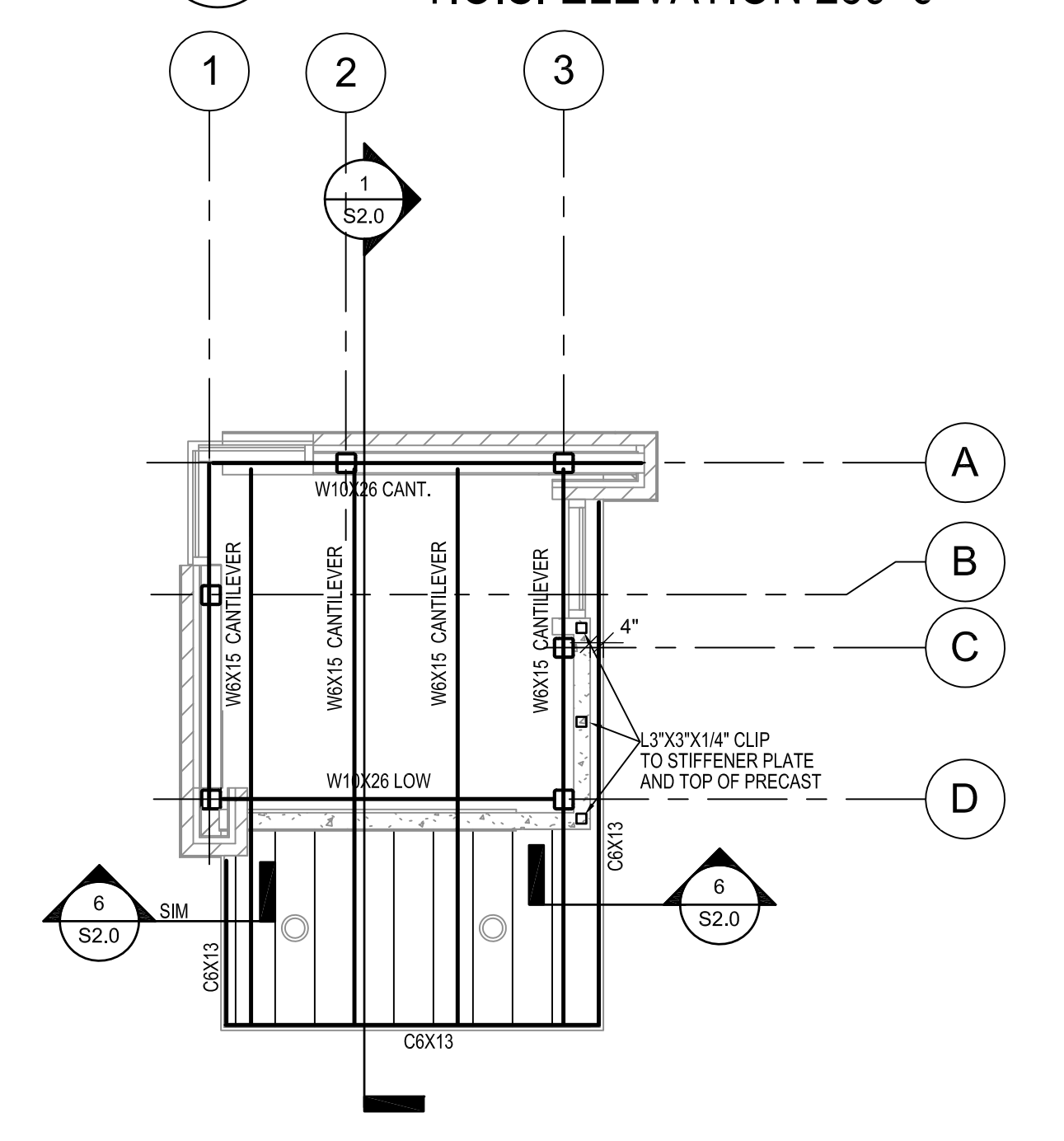
2 CANOPY FRAMING PLAN - ELEVATOR 1
S1.0 1/4" = 1'-0" T.O.S. ELEVATION 268'-8"



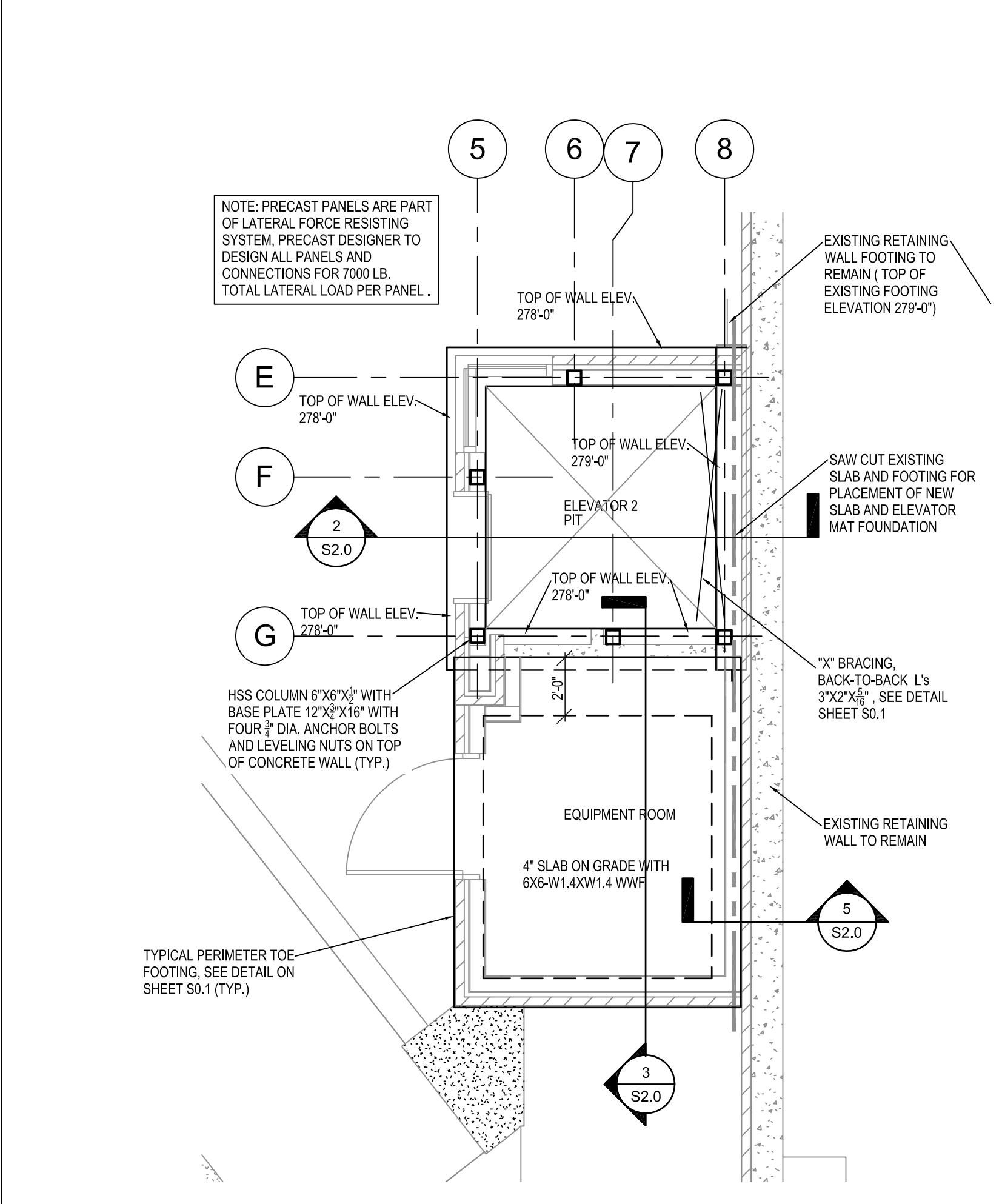
3 MIDDLE PLAZA BRIDGE FRAMING PLAN - ELEVATOR 1
S1.0 1/4" = 1'-0" T.O.S. ELEVATION 278'-6"



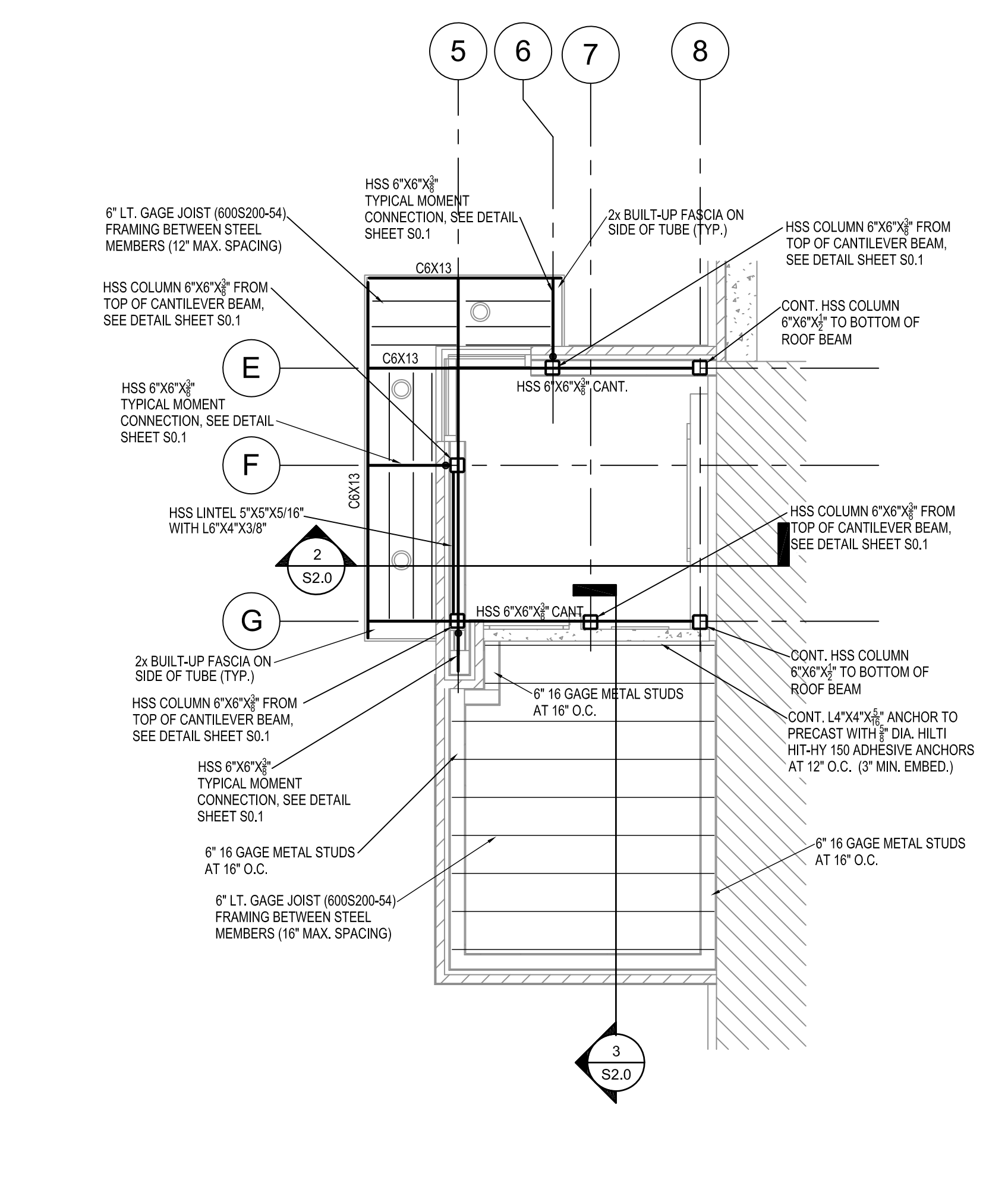
4 FRAMING PLAN - ELEVATOR 1
S1.0 1/4" = 1'-0" T.O.S. ELEVATION 289'-6"



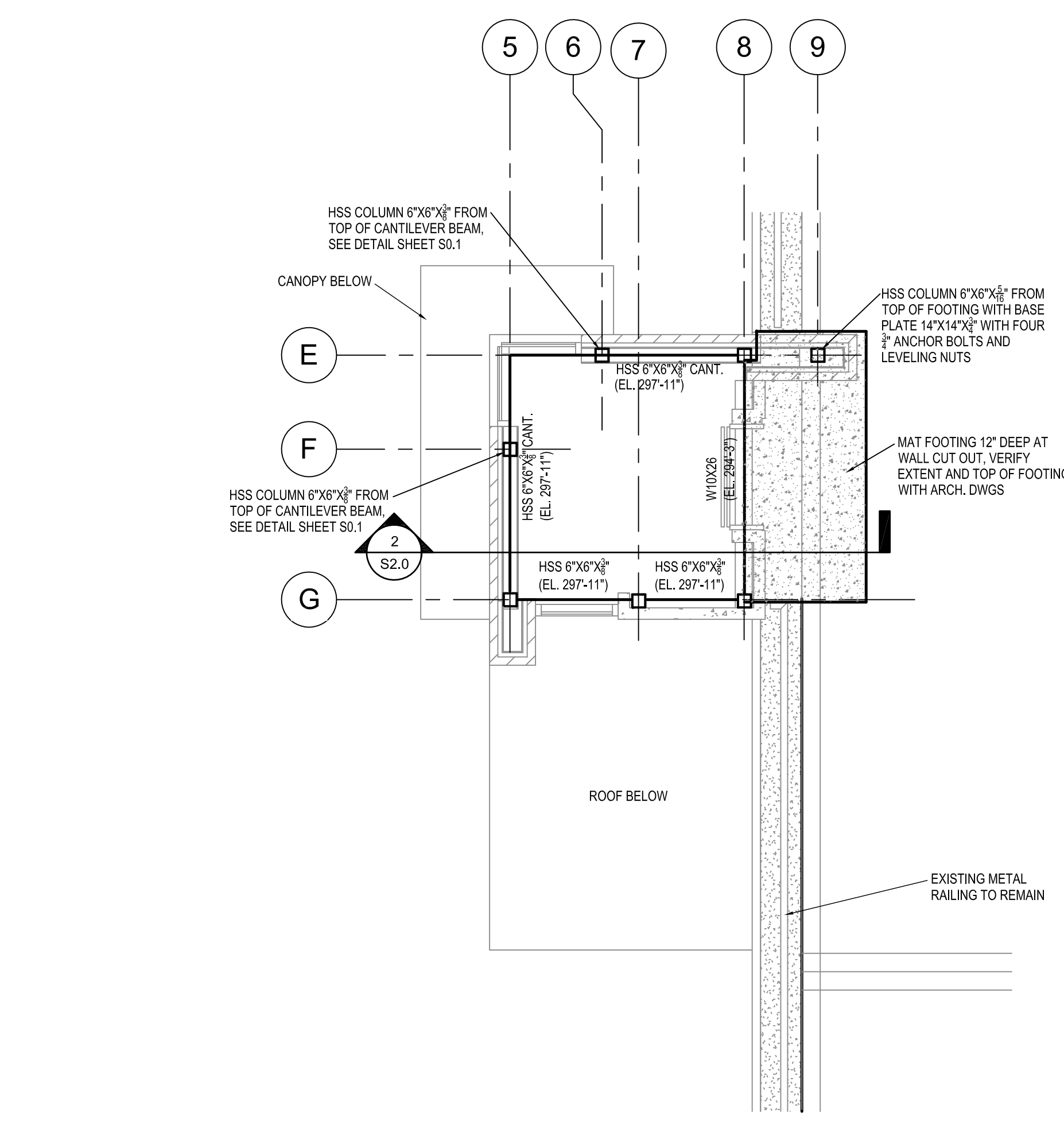
5 ROOF FRAMING PLAN - ELEVATOR 1
S1.0 1/4" = 1'-0"



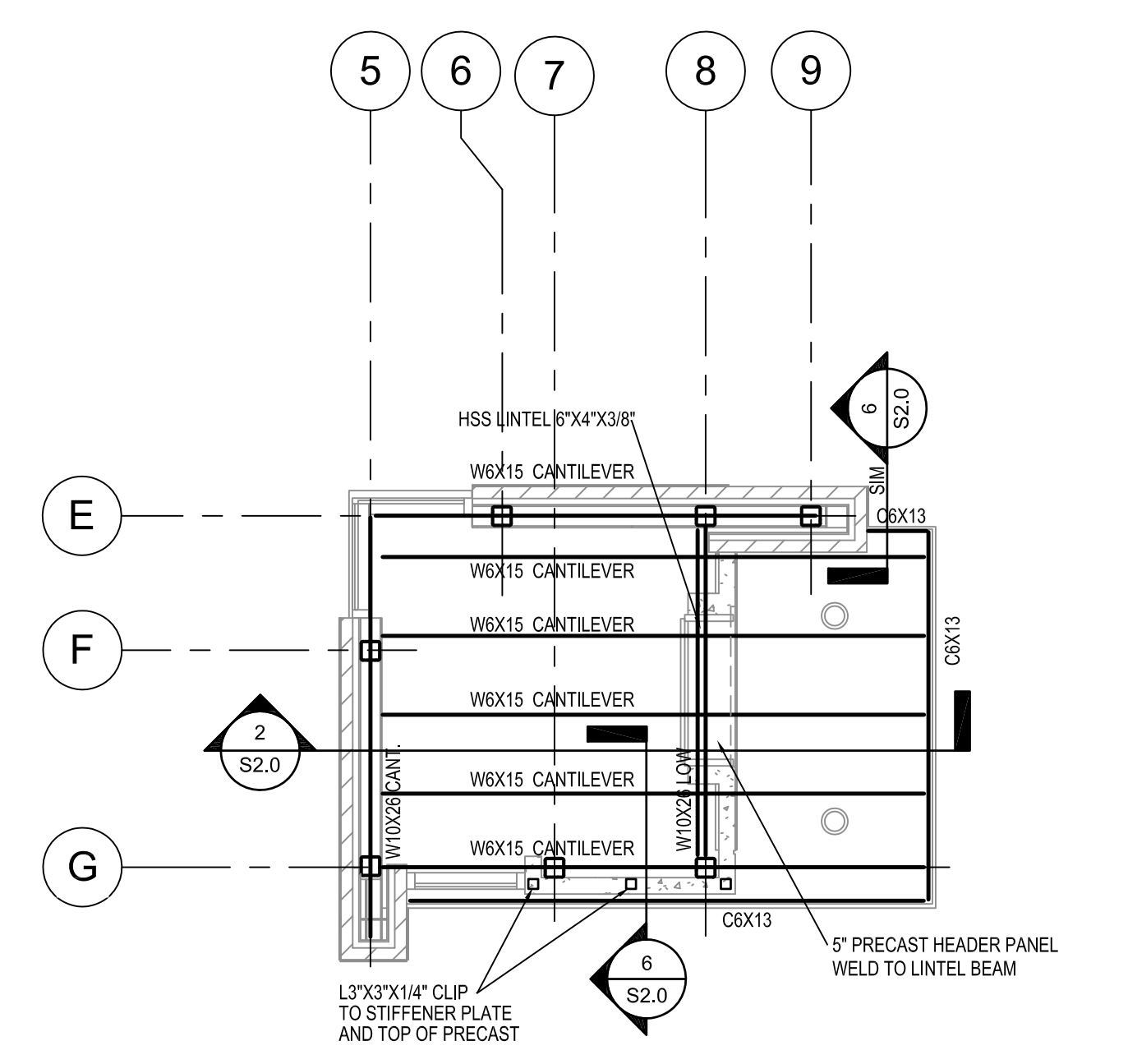
6 FOUNDATION PLAN - ELEV 2
S1.0 1/4" = 1'-0"



7 CANOPY FRAMING PLAN - ELEV 2
S1.0 1/4" = 1'-0" T.O.S. ELEV. 288'-1"

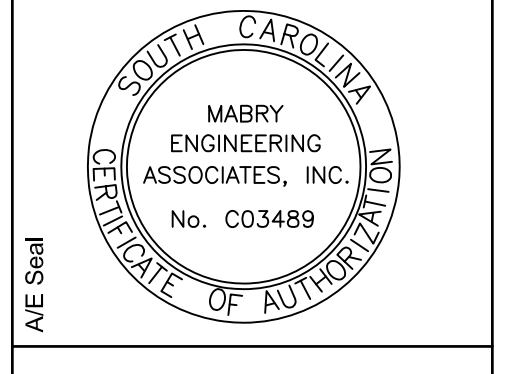
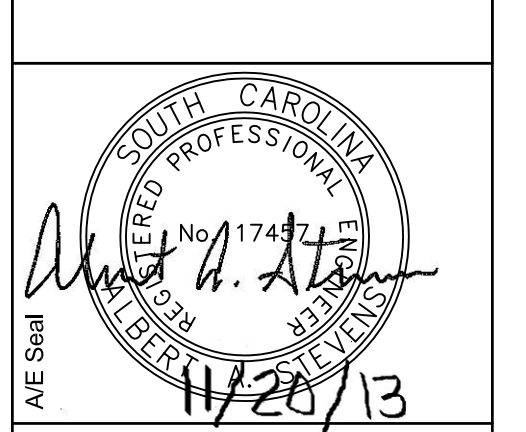


8 FRAMING PLAN - ELEV 2
S1.0 1/4" = 1'-0" T.O.S. ELEV. 297'-11" U.N.O.



9 ROOF FRAMING PLAN - ELEVATOR 2
S1.0 1/4" = 1'-0"

NOTES TO SHEET:
1. FIELD VERIFY AND COORDINATE ALL ELEVATIONS WITH IN-FIELD CONDITIONS BEFORE FABRICATION OF STEEL.
2. COORDINATE PRECAST TO STEEL CONNECTIONS WITH PRECAST DRAWINGS.



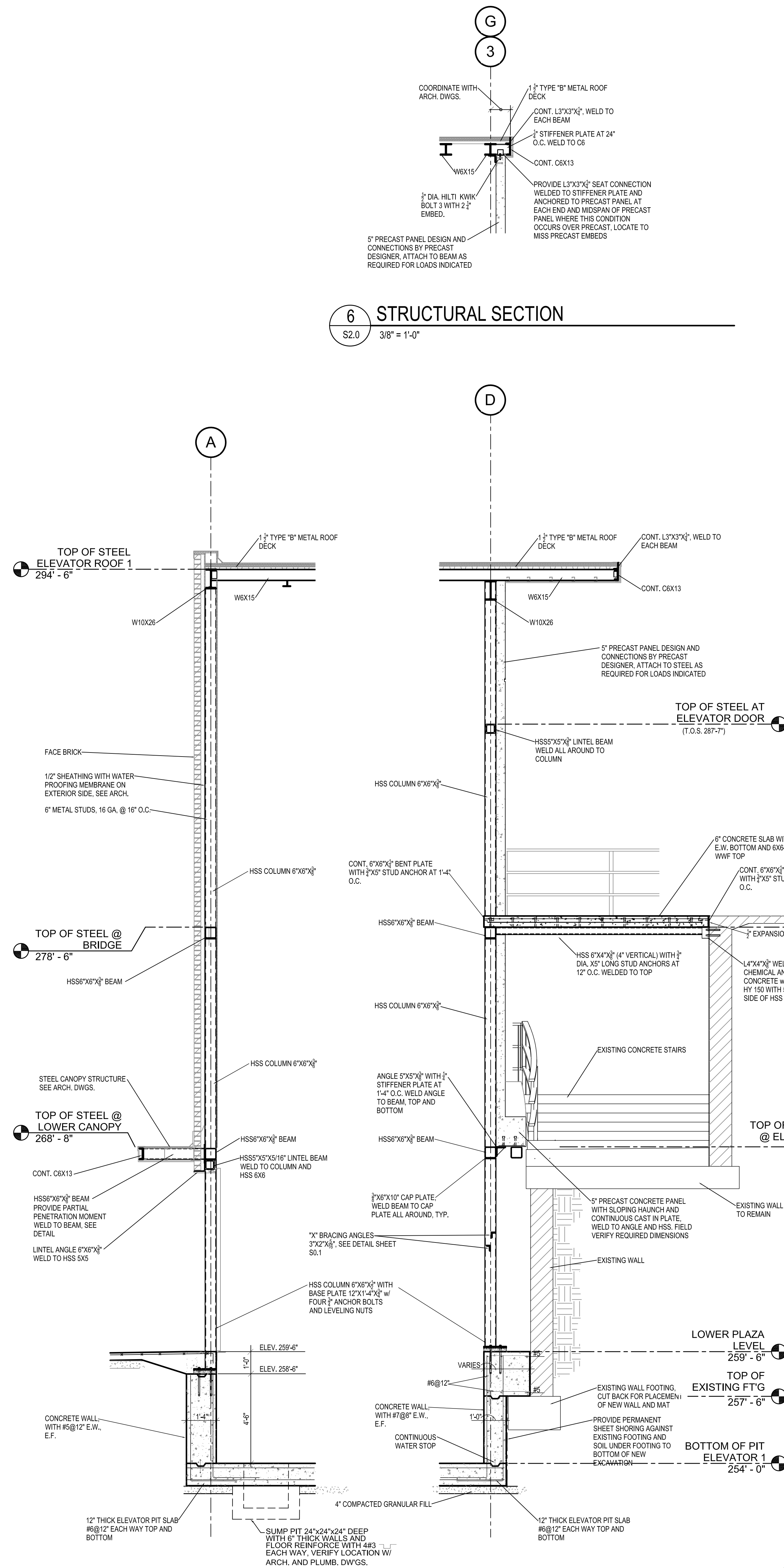
UNIVERSITY SOUTH CAROLINA
USC ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS - RE BID
Law School Address:
701 Main Street
Columbia, South Carolina 29208

Project Number	HZ7-2010
Drawn By	GMH
Checked By	GMH
Date	November 13, 2013

No.	Description

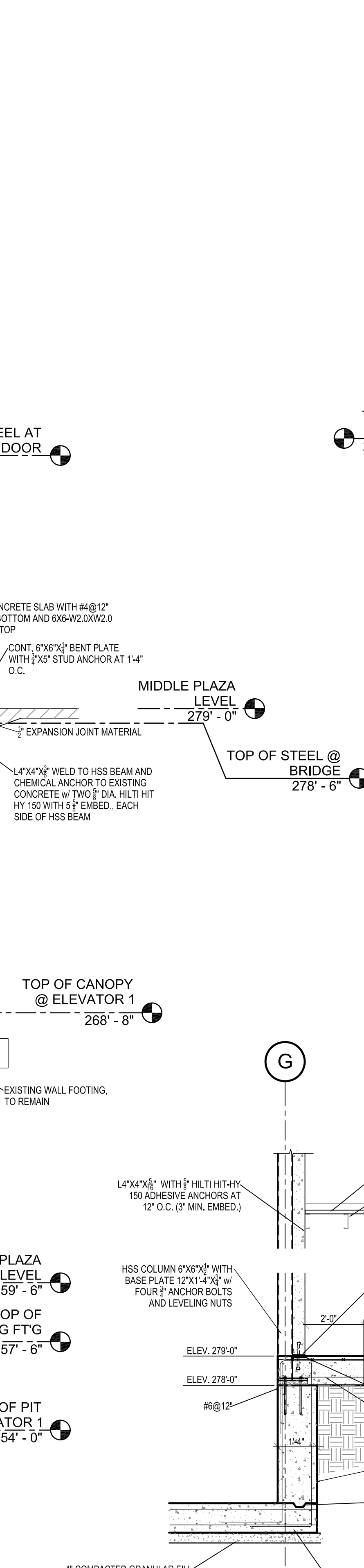
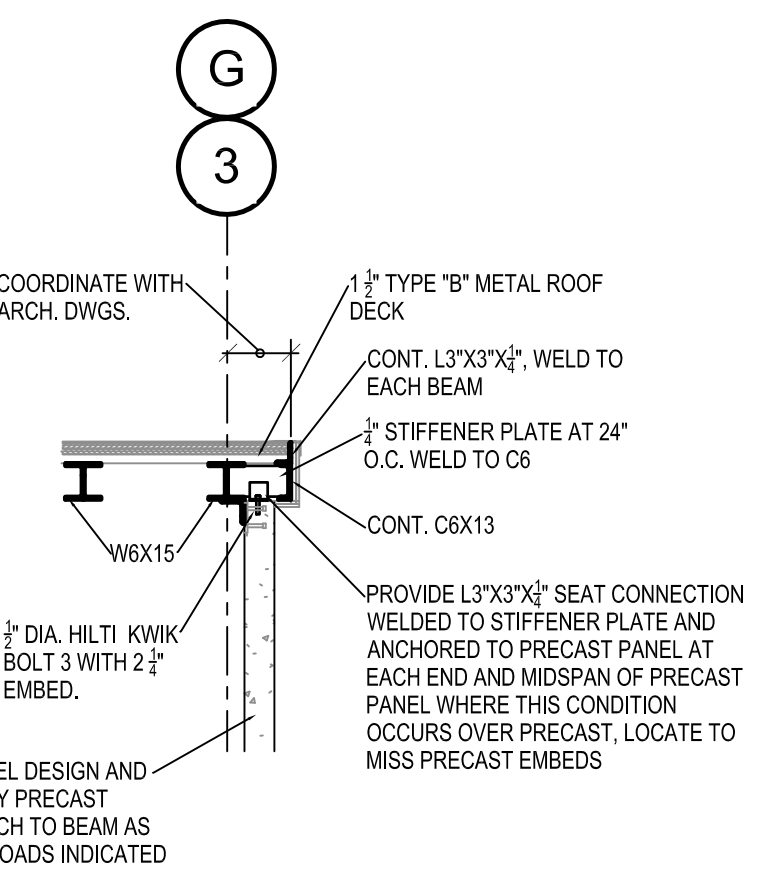
Drawing Title:
STRUCTURAL PLANS

Drawing No.
S1.0

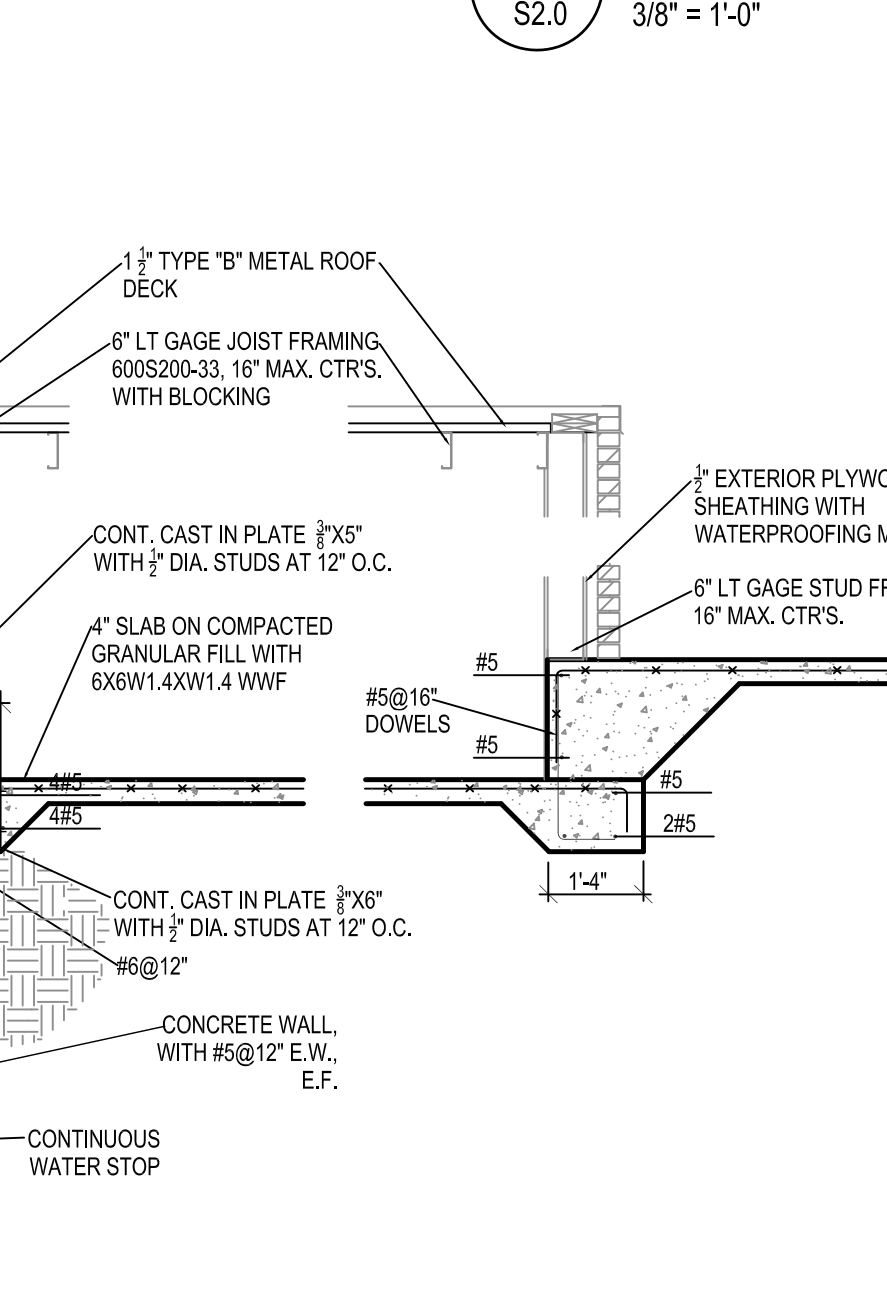


1 STRUCTURAL SECTION
S2.0 3/8" = 1'-0"

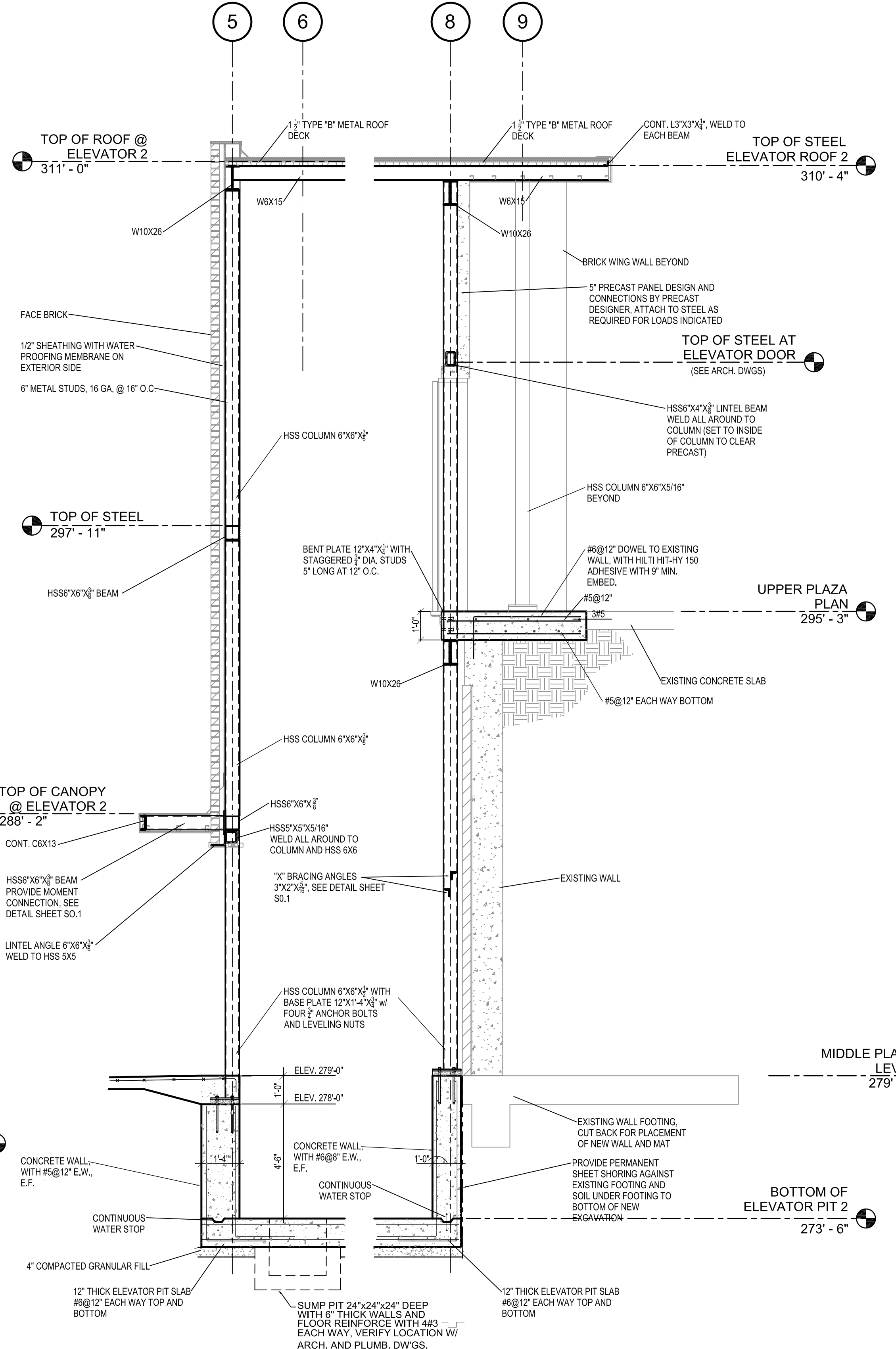
6 STRUCTURAL SECTION
S2.0 3/8" = 1'-0"



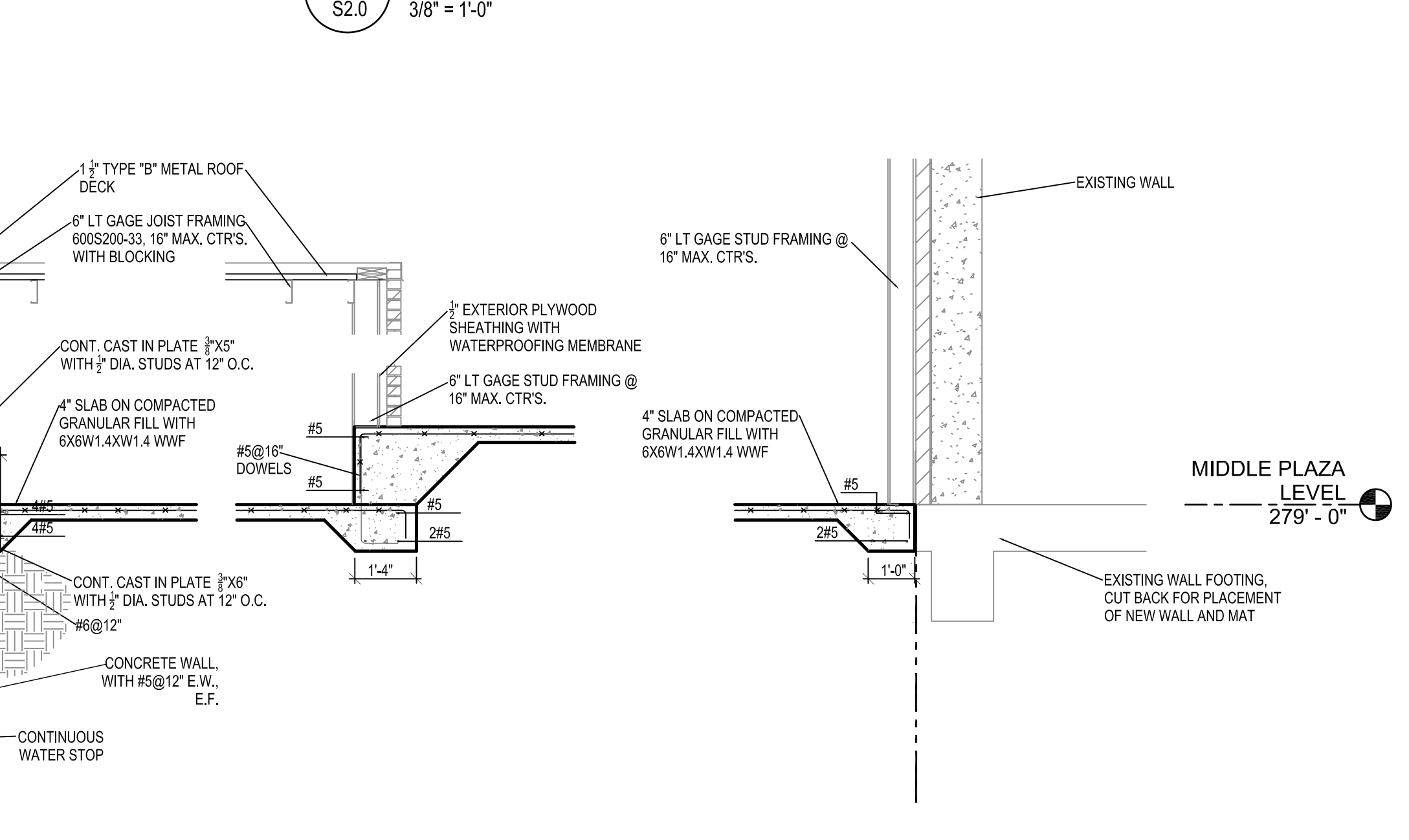
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S2.0 3/8" = 1'-0"



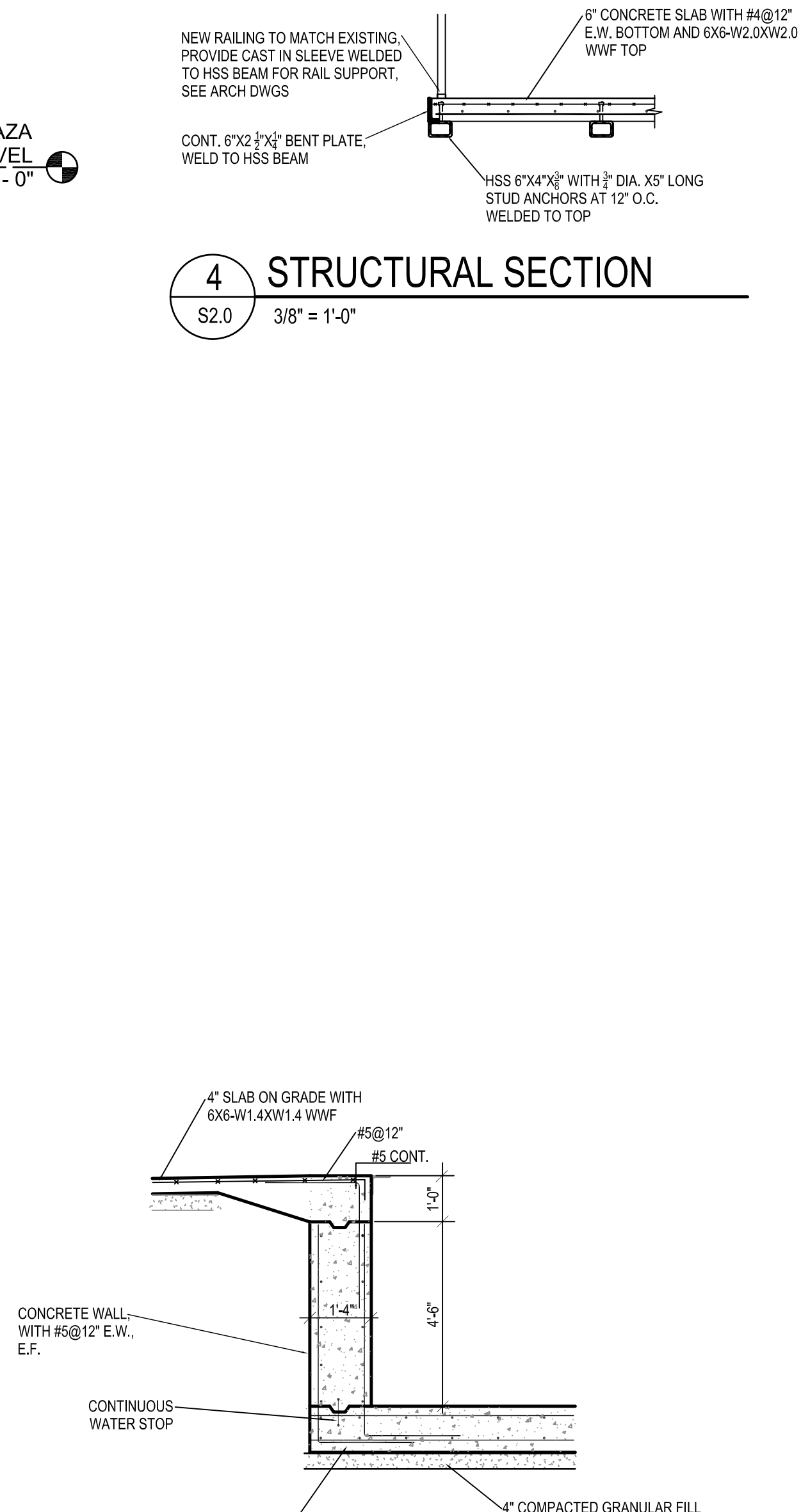
3 STRUCTURAL SECTION
S2.0 3/8" = 1'-0"



4 STRUCTURAL SECTION
S2.0 3/8" = 1'-0"



5 STRUCTURAL SECTION
S2.0 3/8" = 1'-0"



TYPICAL ELEVATOR PIT and NEW SLAB
3/8" = 1'-0"

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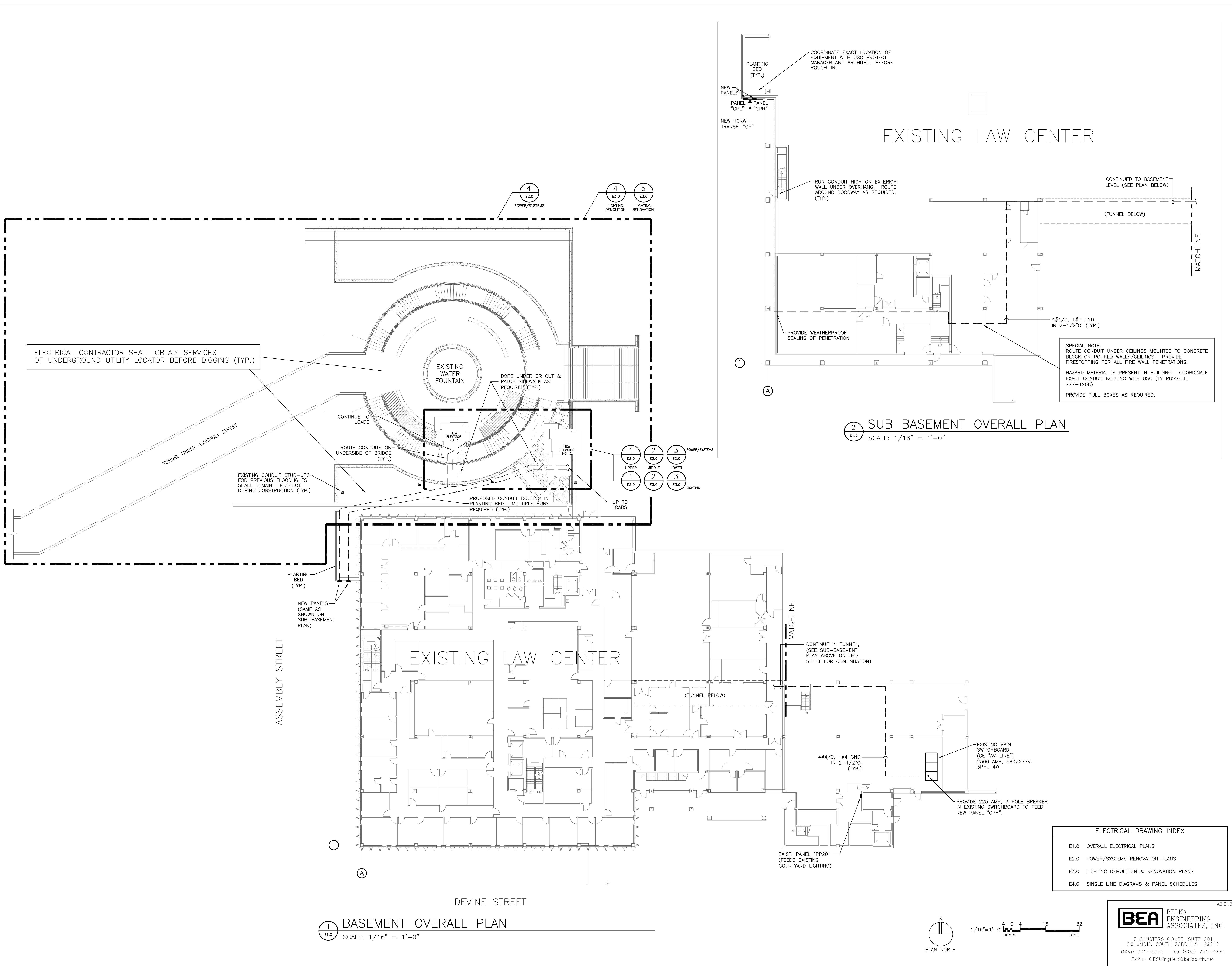
Professional Engineer
No. 17457
11/26/13
Professional Engineer
No. C03489

UNIVERSITY SOUTH CAROLINA
USC ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS - RE BID
Law School Address:
701 Main Street
Columbia, South Carolina 29208

Project Number	H27-Z010
Date	November 13, 2013
Drawn By	GM
Checked By	AAS
Date	November 13, 2013

STRUCTURAL SECTIONS

Drawing No. **S2.0**



ELECTRICAL CONTRACTOR SHALL OBTAIN SERVICES OF UNDERGROUND UTILITY LOCATOR BEFORE DIGGING (TYP.)

TUNNEL UNDER ASSEMBLY STREET

EXISTING CONDUIT STUB-UPS FOR PREVIOUS FLOODLIGHTS SHALL REMAIN. PROTECT DURING CONSTRUCTION (TYP.)

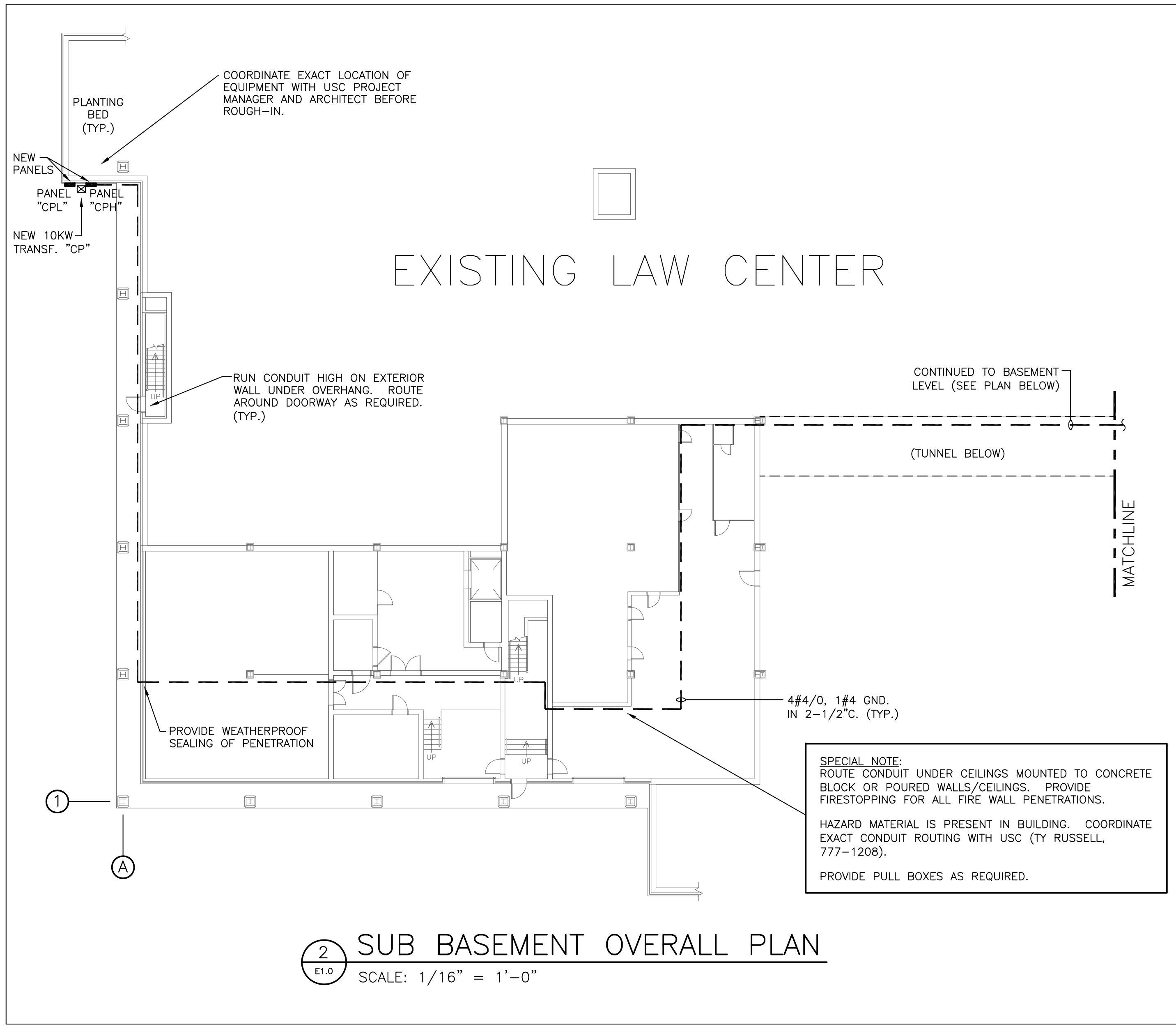
NEW PANELS (SAME AS SHOWN ON SUB-BASEMENT PLAN)

ASSEMBLY STREET

EXISTING LAW CENTER

DEVINE STREET

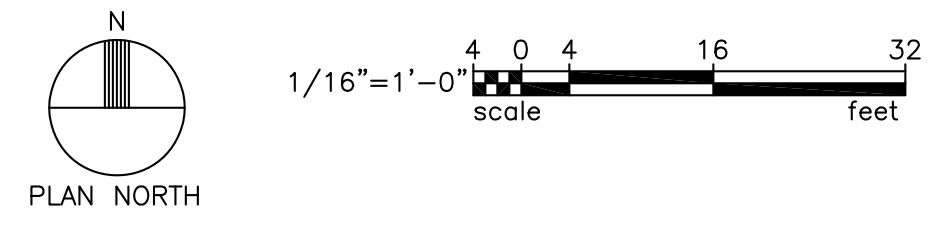
1 BASEMENT OVERALL PLAN
E1.0 SCALE: 1/16" = 1'-0"



2 SUB BASEMENT OVERALL PLAN
E1.0 SCALE: 1/16" = 1'-0"

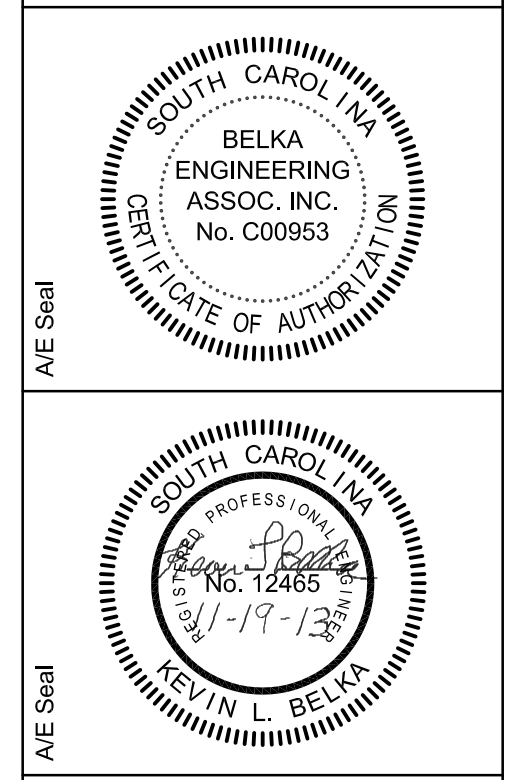
SPECIAL NOTE:
ROUTE CONDUIT UNDER CEILINGS MOUNTED TO CONCRETE BLOCK OR POURED WALLS/CEILINGS. PROVIDE FIRESTOPPING FOR ALL FIRE WALL PENETRATIONS.
HAZARD MATERIAL IS PRESENT IN BUILDING. COORDINATE EXACT CONDUIT ROUTING WITH USC (TY RUSSELL, 777-1208).
PROVIDE PULL BOXES AS REQUIRED.

ELECTRICAL DRAWING INDEX	
E1.0	OVERALL ELECTRICAL PLANS
E2.0	POWER/SYSTEMS RENOVATION PLANS
E3.0	LIGHTING DEMOLITION & RENOVATION PLANS
E4.0	SINGLE LINE DIAGRAMS & PANEL SCHEDULES



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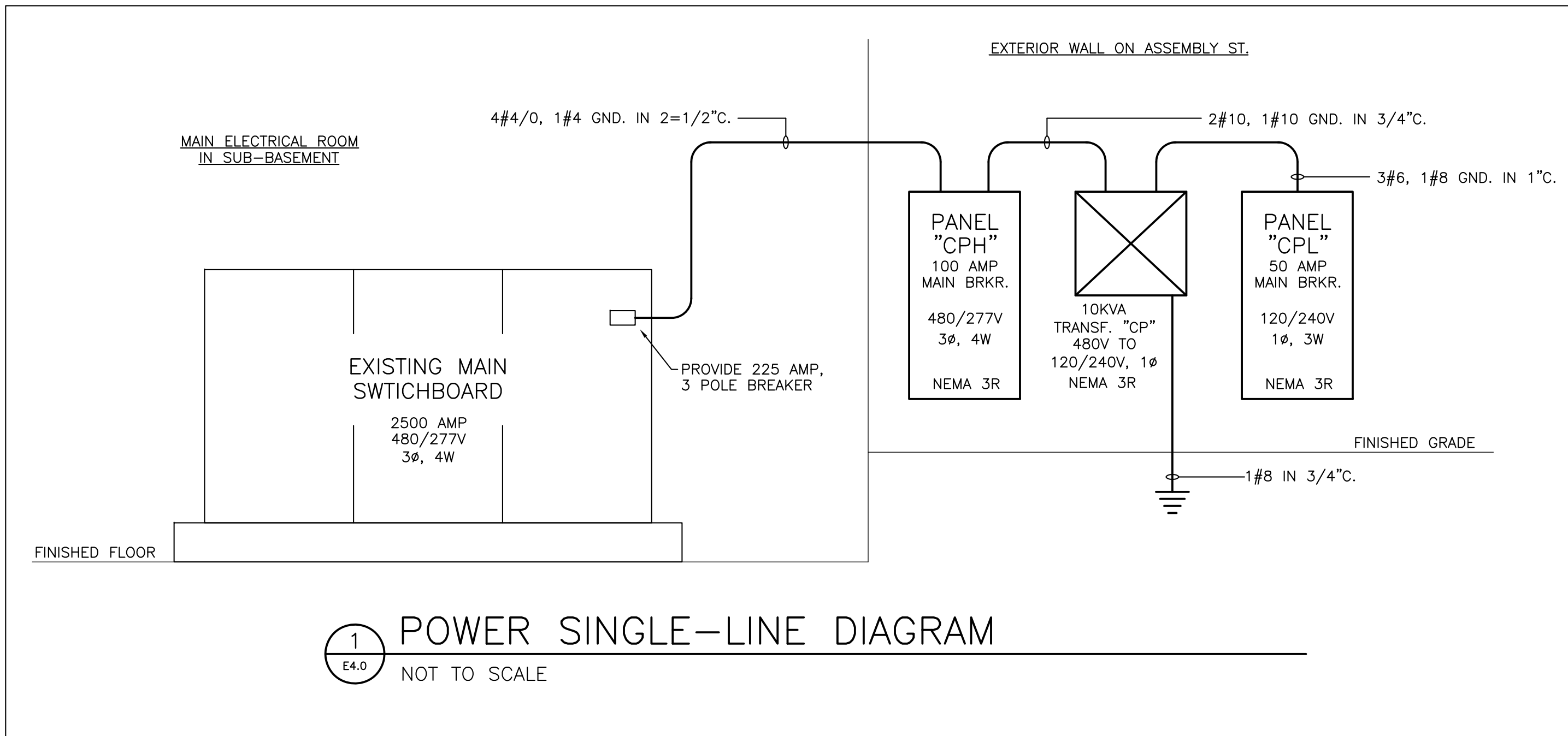


UNIVERSITY SOUTH CAROLINA
USC ELEVATOR INSTALLATION AND TUNNEL IMPROVEMENTS - RE BID
Law School Address:
701 Main Street
Columbia, South Carolina 29208

No.	Description	Date	Project Number
			H27-2010
			Drawn By: JJS
			Checked By: CES
			NOVEMBER 13, 2013

OVERALL ELECTRICAL PLANS

Drawing No. **E1.0**



480/277V, 3 PH., 4W, 60 HZ
225 AMP MAIN BREAKER
SURFACE MOUNTED
35,000 A.I.C. SYM. (MINIMUM)

PANEL "CPH"
NEMA 3R ENCLOSURE

LOADS SERVED	BKR. AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR. AMP	LOADS SERVED
ELEVATOR #1	150	18.6	1		2	18.6	150	ELEVATOR #2
SPACE	-	-	3		4	-	-	SPACE
SPACE	-	-	5		6	-	-	SPACE
SPACE	-	-	7		8	-	-	SPACE
SPACE	-	-	9		10	-	-	SPACE
SPACE	-	-	11		12	-	-	SPACE
SPACE	-	-	13		14	-	-	SPACE
SPACE	-	-	15		16	-	-	SPACE
SPACE	-	-	17		18	-	-	SPACE
SPACE	-	-	19		20	-	-	SPACE
SPACE	-	-	21		22	-	-	SPACE
SPACE	-	-	23		24	-	-	SPACE

CONNECTED LOADS (KVA)
#A 42.6 #B 40.3 #C 37.2

TOTAL LOADS (KVA)
120.1

2#10, 1#10 GND. IN 3/4\"/>

120/240V, 1 PH., 3W, 60 HZ
50 AMP MAIN BREAKER
SURFACE MOUNTED
10,000 A.I.C. SYM. (MINIMUM)

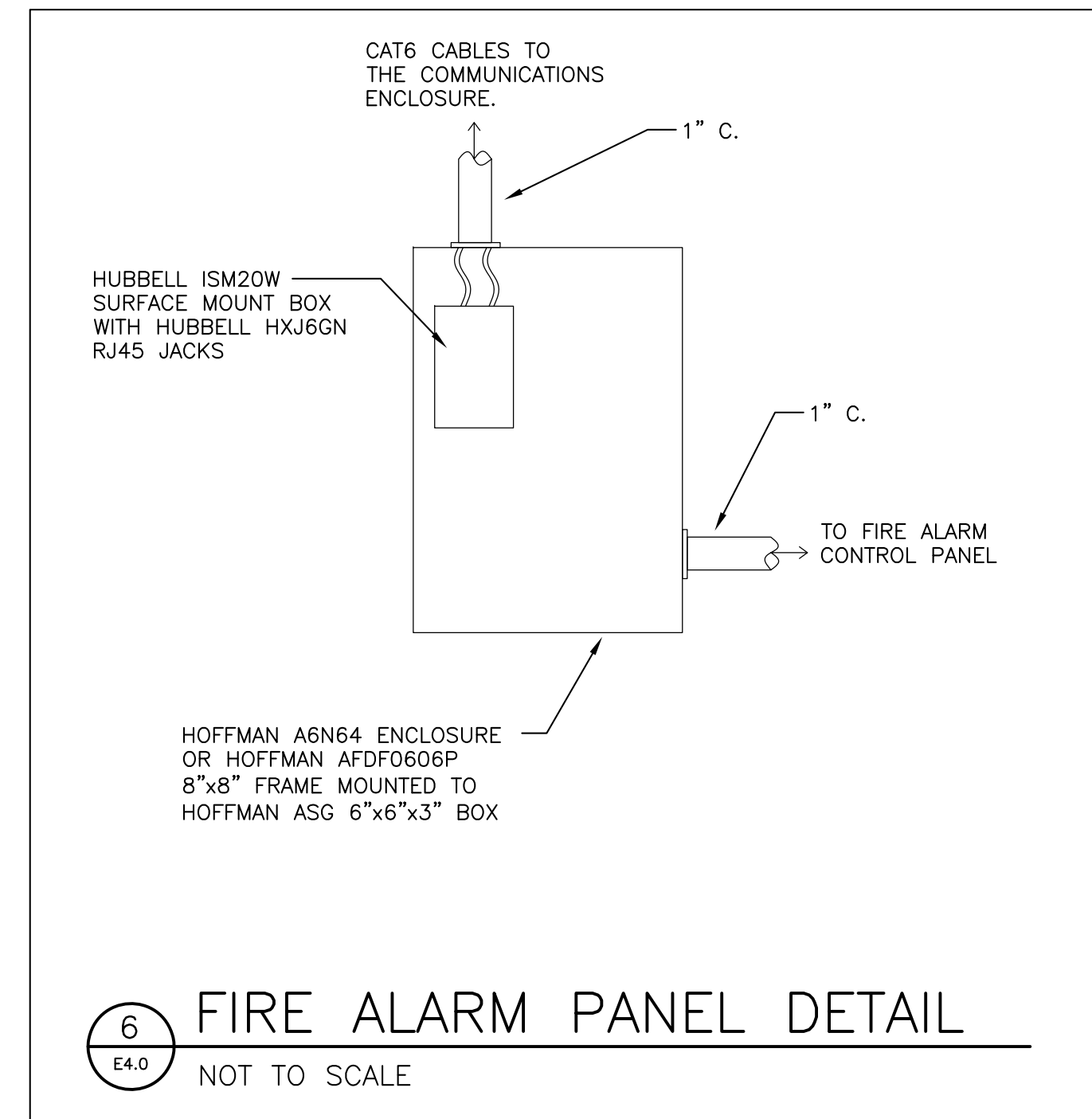
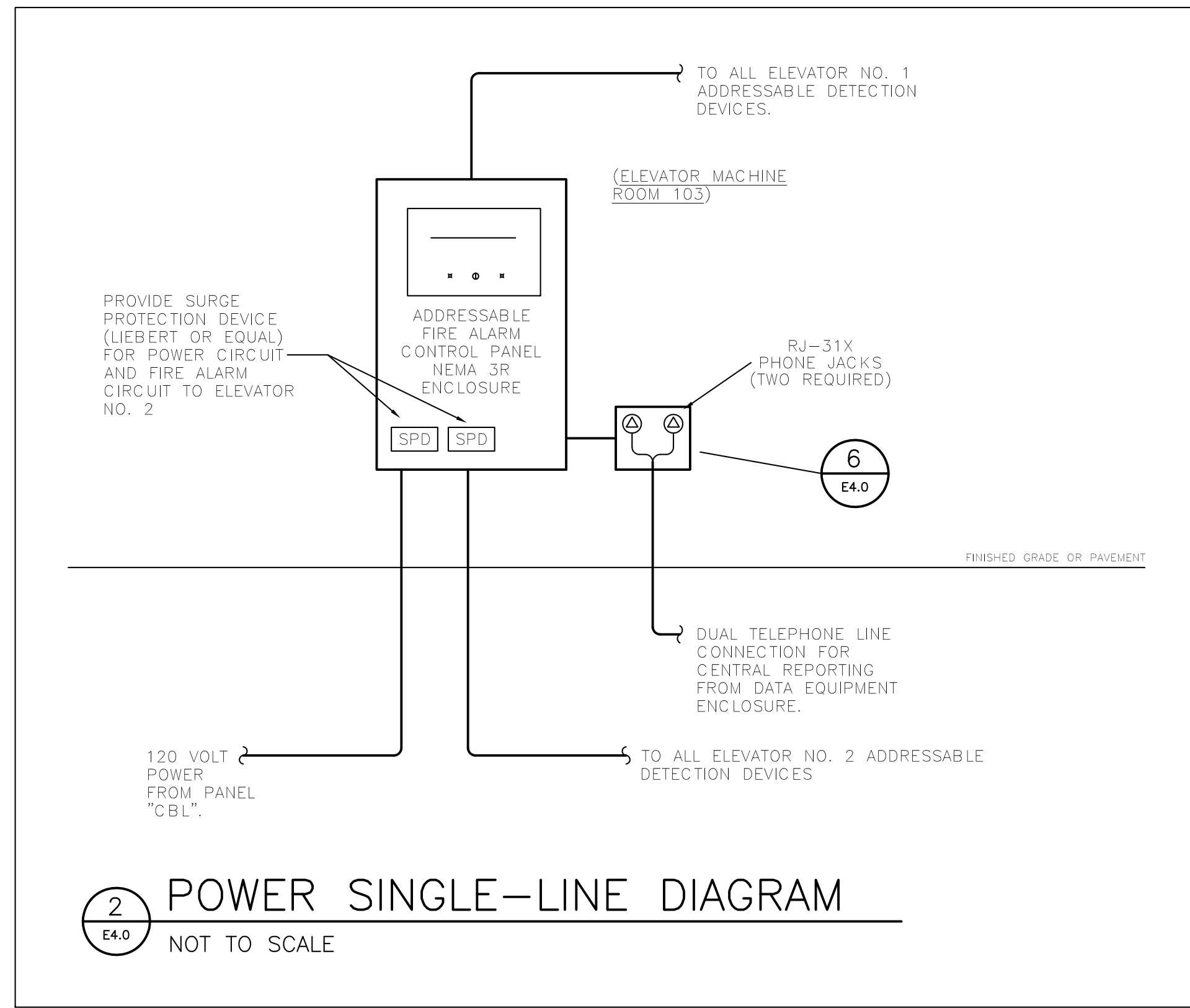
PANEL "CPL"
NEMA 3R ENCLOSURE

LOADS SERVED	BKR. AMP	LOAD KVA	CKT. NO.	(S / N)	CKT. NO.	LOAD KVA	BKR. AMP	LOADS SERVED
CAB LIGHTS (ELEV. #1)	20	0.5	1		2	0.5	20	CAB LIGHTS (ELEV. #2)
RECEPTACLES (ELEV. #2 PIT)	20	0.6	3		4	0.6	20	RECEPTACLES (ELEV. MECH. RM.)
FIRE ALARM PANEL	20	1.0	5		6	0.4	20	DATA EQUIPMENT ENCLOSURE
EMERGENCY CALL BOX	20	0.5	7		8	0.4	20	RECEPTACLES (ELEV. #1 PIT)
SPACE	-	-	9		10	-	-	SPACE
SPACE	-	-	11		12	-	-	SPACE
SPACE	-	-	13		14	-	-	SPACE
SPACE	-	-	15		16	-	-	SPACE
SPACE	-	-	17		18	-	-	SPACE

CONNECTED LOADS (KVA)
#A 3.4 #B 3.1

TOTAL LOADS (KVA)
6.5

ALL BRANCH CIRCUITS SHALL BE 2#10, 1#10 GND. IN 3/4\"/>



FIRE ALARM CONTROL PANEL NOTES

SURFACE MOUNTED ENCLOSURE SHALL BE INSTALLED 4\"/>

