

Project Name 1
Project Name 2

Street Address
City, State



WorldHQ@ORBArch.com

PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle

This contract allows (they allow) the owner to request the a adjustment of billing or estimates to billing cycle other than the first cycle. This contract may allow the owner to make payment on other alternate schedule after certification and approval of billing and estimates. A written description of such other billing cycle applies to the project is available from the owner or the owner's design/agent or

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER

and the owner or its designated agent shall provide the written description on request.

Contractor must verify all dimensions of project before proceeding with this work.

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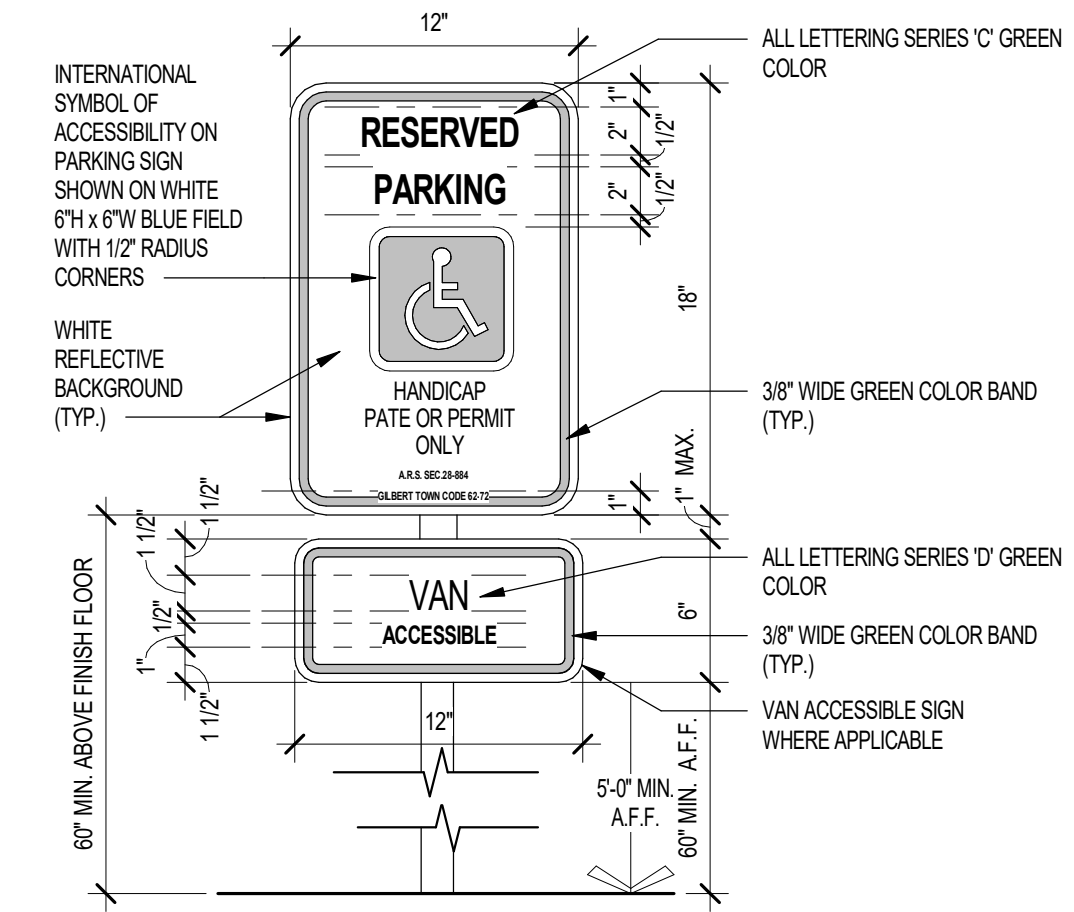
R E V I S I O N S / S U B M I T T A L S

DATE DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.FLG

SITE DETAILS CITY OF FLAGSTAFF



- NOTES:**
1. THE BOTTOM OF THE SIGN SHALL BE 67' MIN. ABOVE FINISH GRADE.
 2. SIGNS SHALL BE PROPERLY CENTERED WITHIN THE PARKING SPACE.
 3. THE SIGN FACE SHOULD BE LOCATED NO FARTHER THAN 6 FEET FROM THE FRONT OF EACH PARKING SPACE.
 4. ALL LETTERING SERIES 'C', GREEN COLOR.
 5. INTERNATIONAL SYMBOL OF ACCESSIBILITY SHOWN WHITE ON 6" X 8" BLUE FIELD WITH 12" RADIUS CORNERS.
 6. THE VAN ACCESSIBLE SIGN SHALL BE CENTERED UNDER THE ACCESSIBLE PARKING SIGN AS SHOWN.

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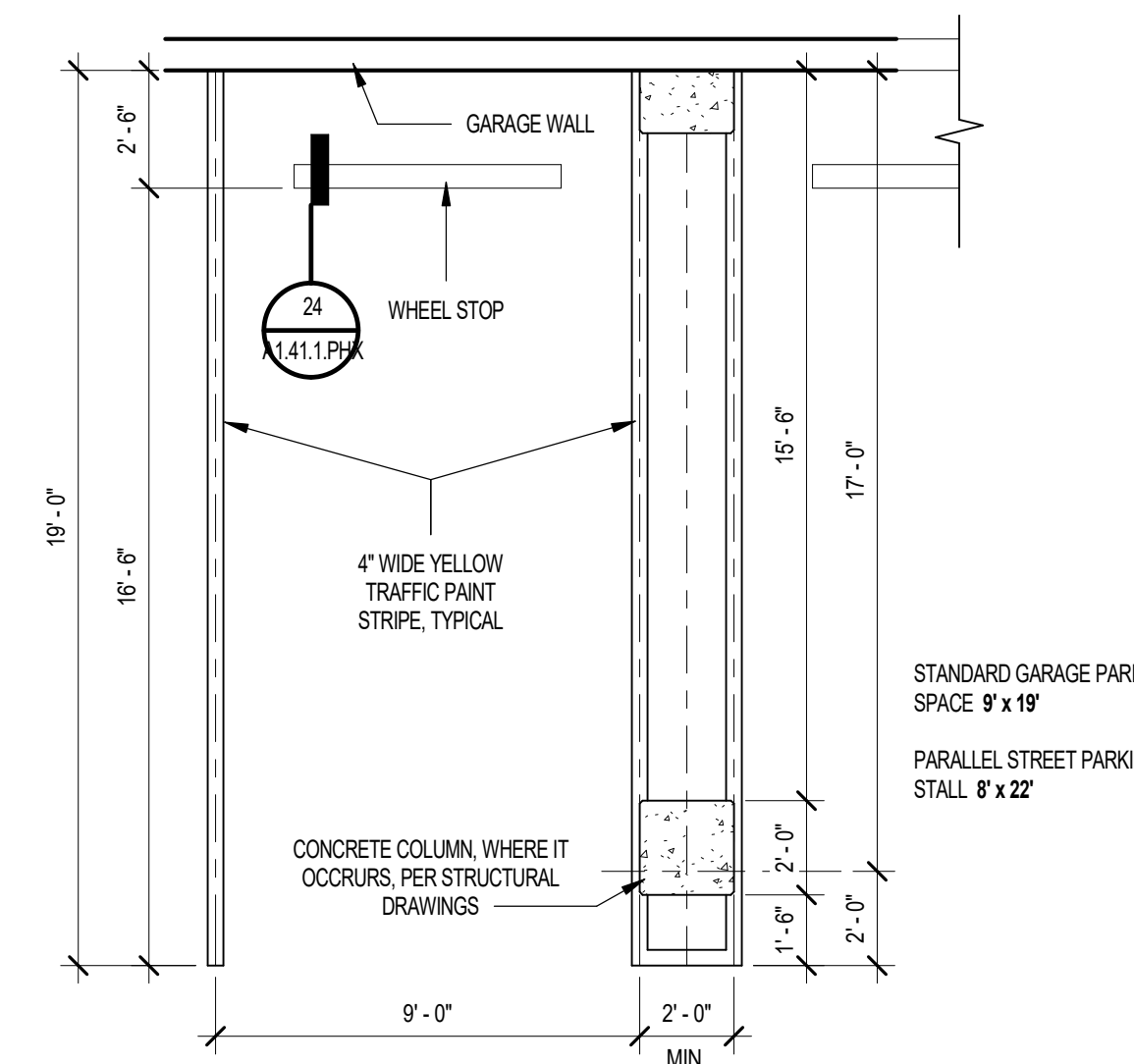
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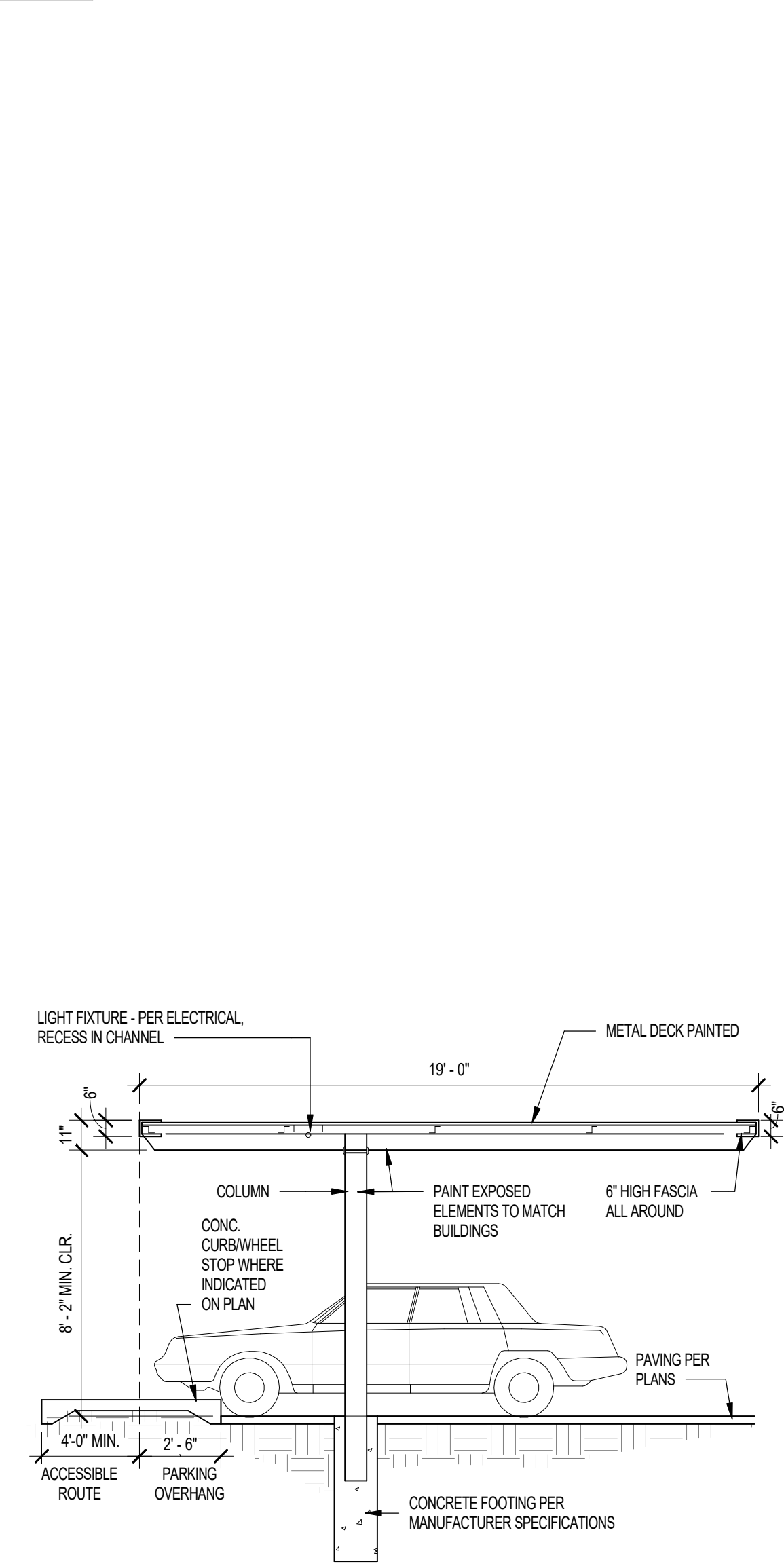
01 ACCESSIBLE PARKING SIGN (CITY OF GILBERT)

SCALE: 1/12" = 1'-0"



02 TYPICAL PARKING SPACE AT GARAGE (CITY OF GILBERT)

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



- NOTES:**
1. DESIGN TO BE COMPATIBLE WITH BUILDING, PAINTED TO MATCH BALINGS.
 2. SHOP DRAWINGS AND CALCULATIONS REQUIRED TO BE DRAWN AND SEALED BY A REGISTERED STRUCTURAL ENGINEER.
 3. CARPORT UNDER SEPARATE PERMIT & REVIEW, DETAIL IS FOR REFERENCE ONLY.
 4. ALL LIGHT FIXTURES ARE TO BE FLUSH MOUNTED TO THE UNDERSIDE OF THE CANOPY AND MUST BE SCREENED BY THE CANOPY FASCIA.

04 TYPICAL CARPORT DETAIL CITY OF GILBERT

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

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CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

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REVISIONS/SUBMITTALS
DATE DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.GLB

SITE DETAILS CITY OF GILBERT

Project Name 1
Project Name 2

Street Address
City, State



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CLIENT PHONE NUMBER

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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.GLN
SITE DETAILS CITY OF GLENDALE

Project Name 1
Project Name 2

Street Address
City, State



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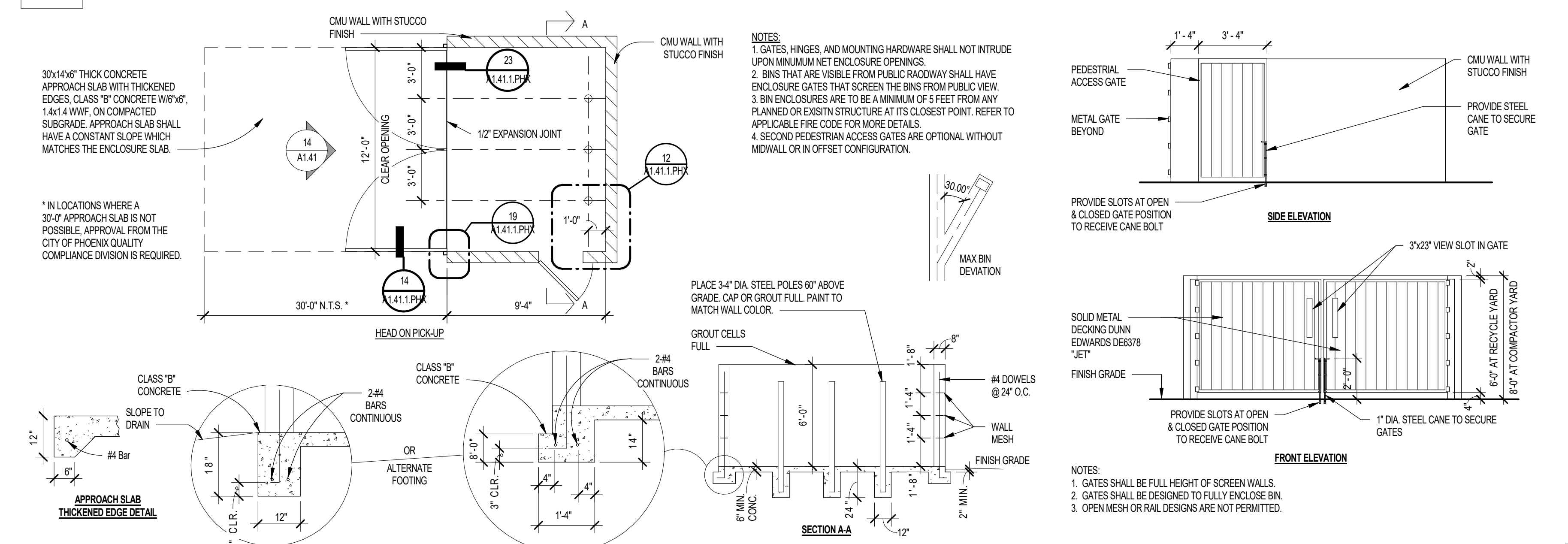
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DATE DESCRIPTION

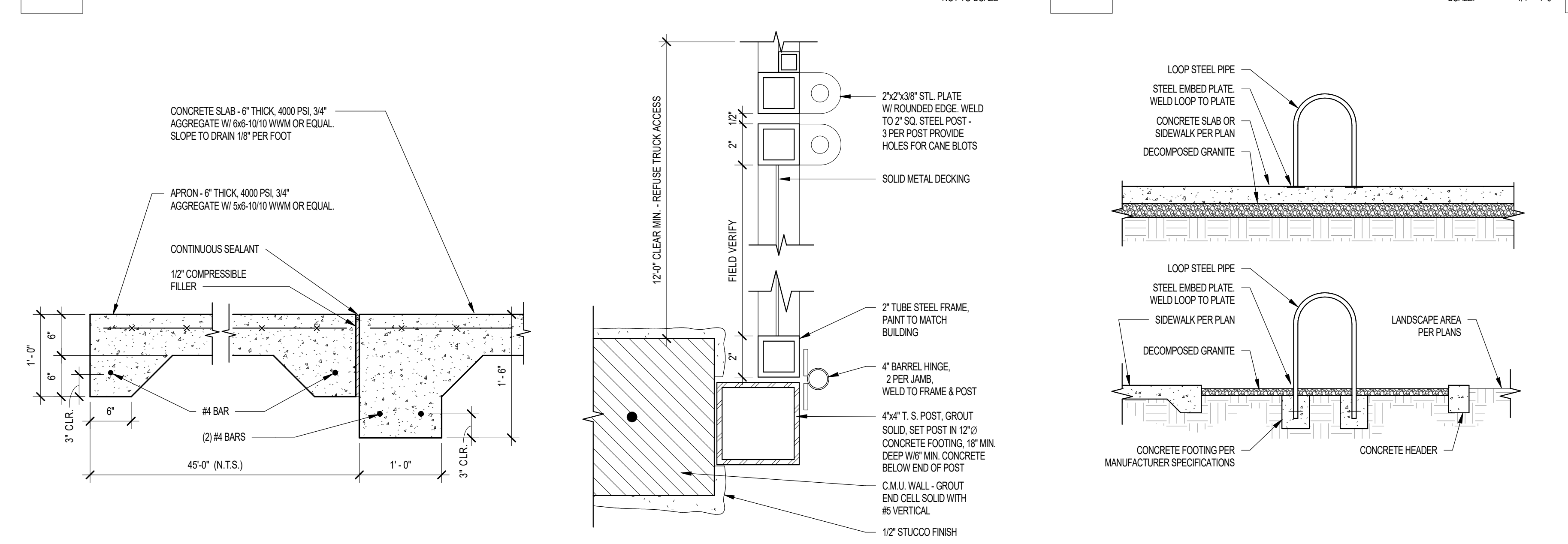
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.MSA
SITE DETAILS CITY OF MESA

21 TRASH COMPACTOR YARD PLAN



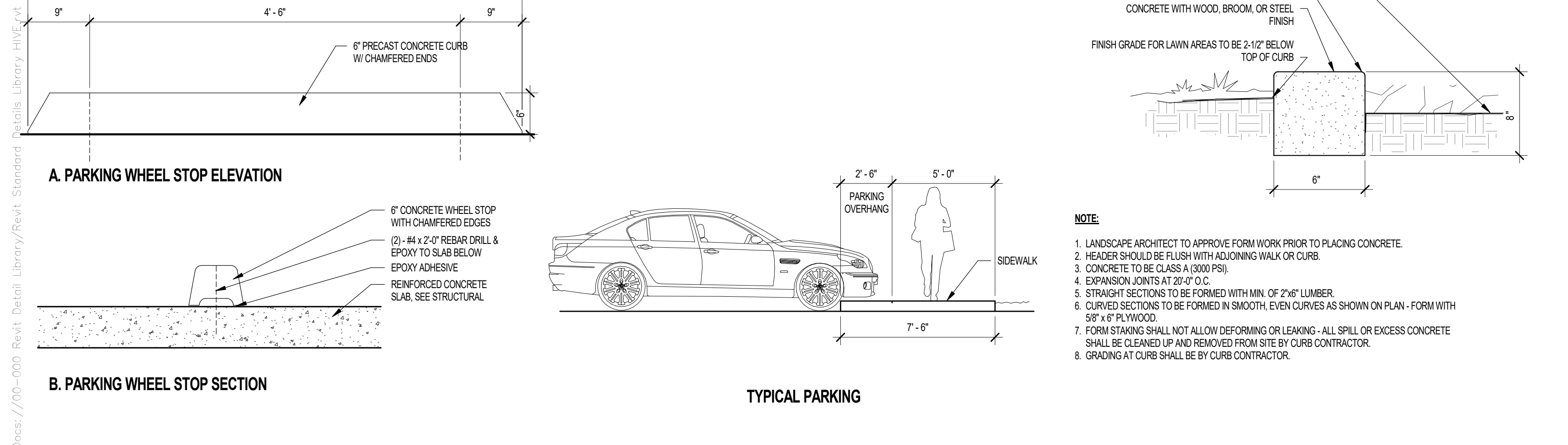
22 TRASH ENCLOSURE



23 REFUSE ENCLOSURE SLAB JOINT



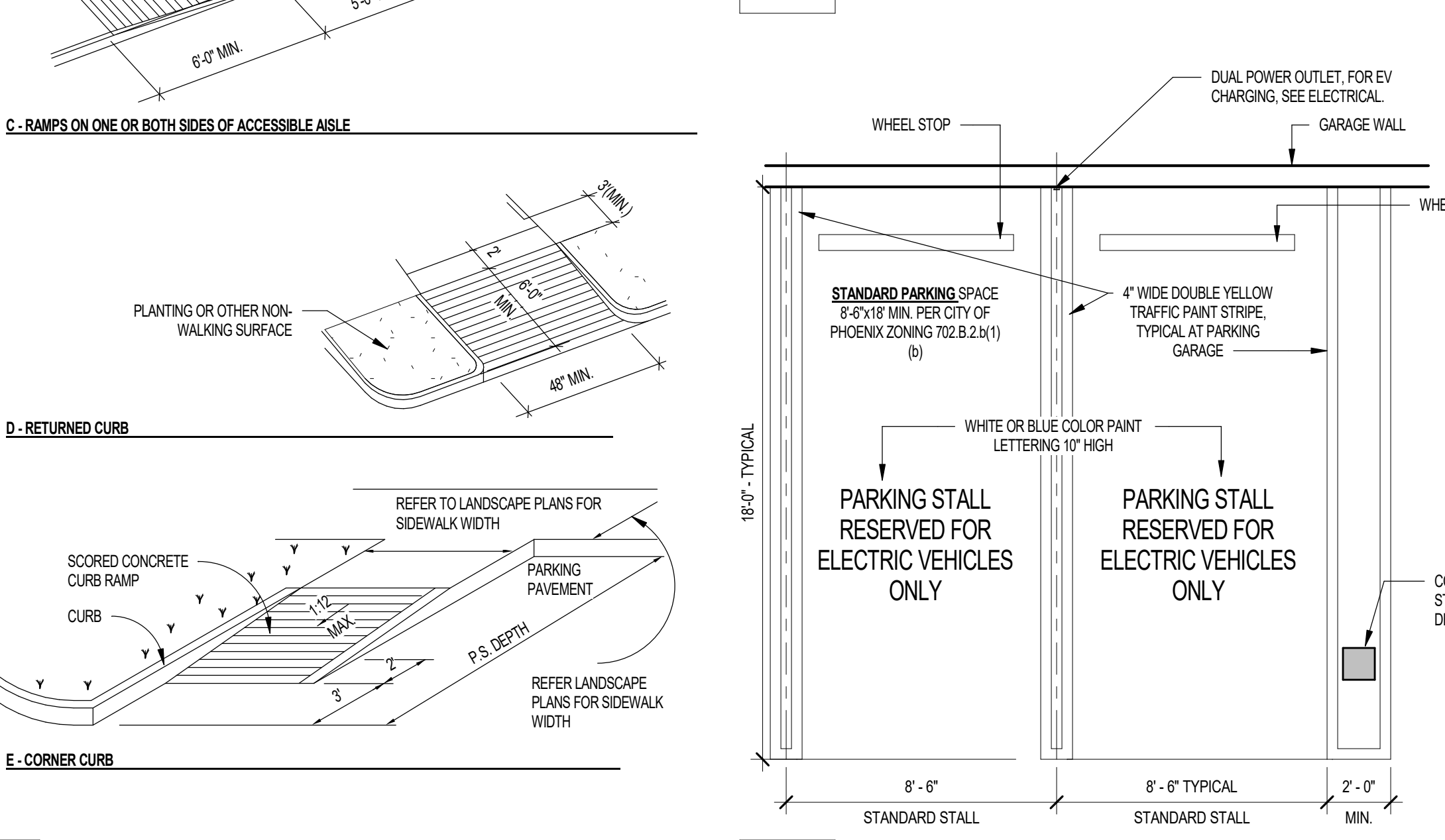
19 TRASH ENCLOSURE GATE



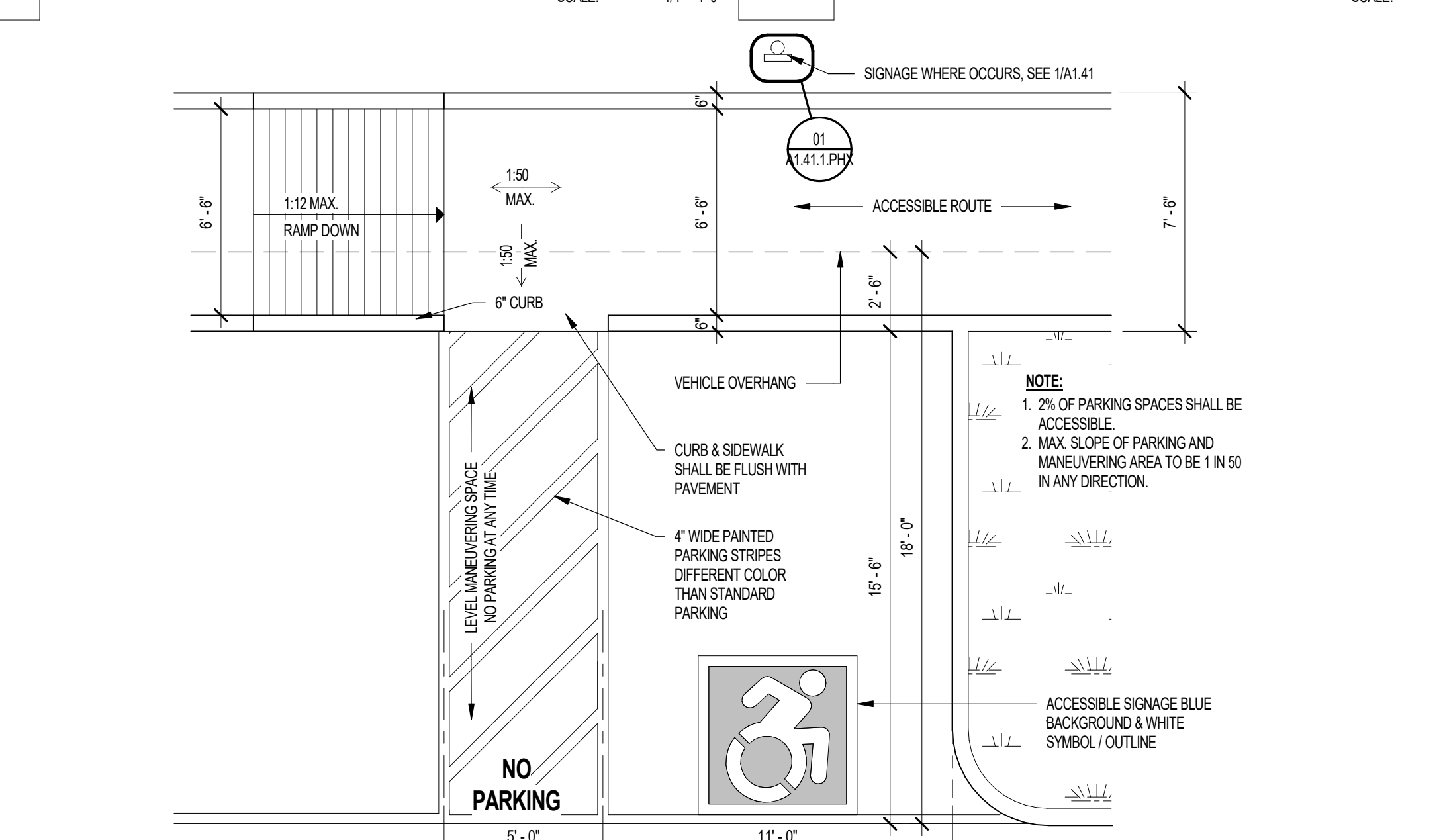
20 PARKING OVERHANG AT SIDEWALK



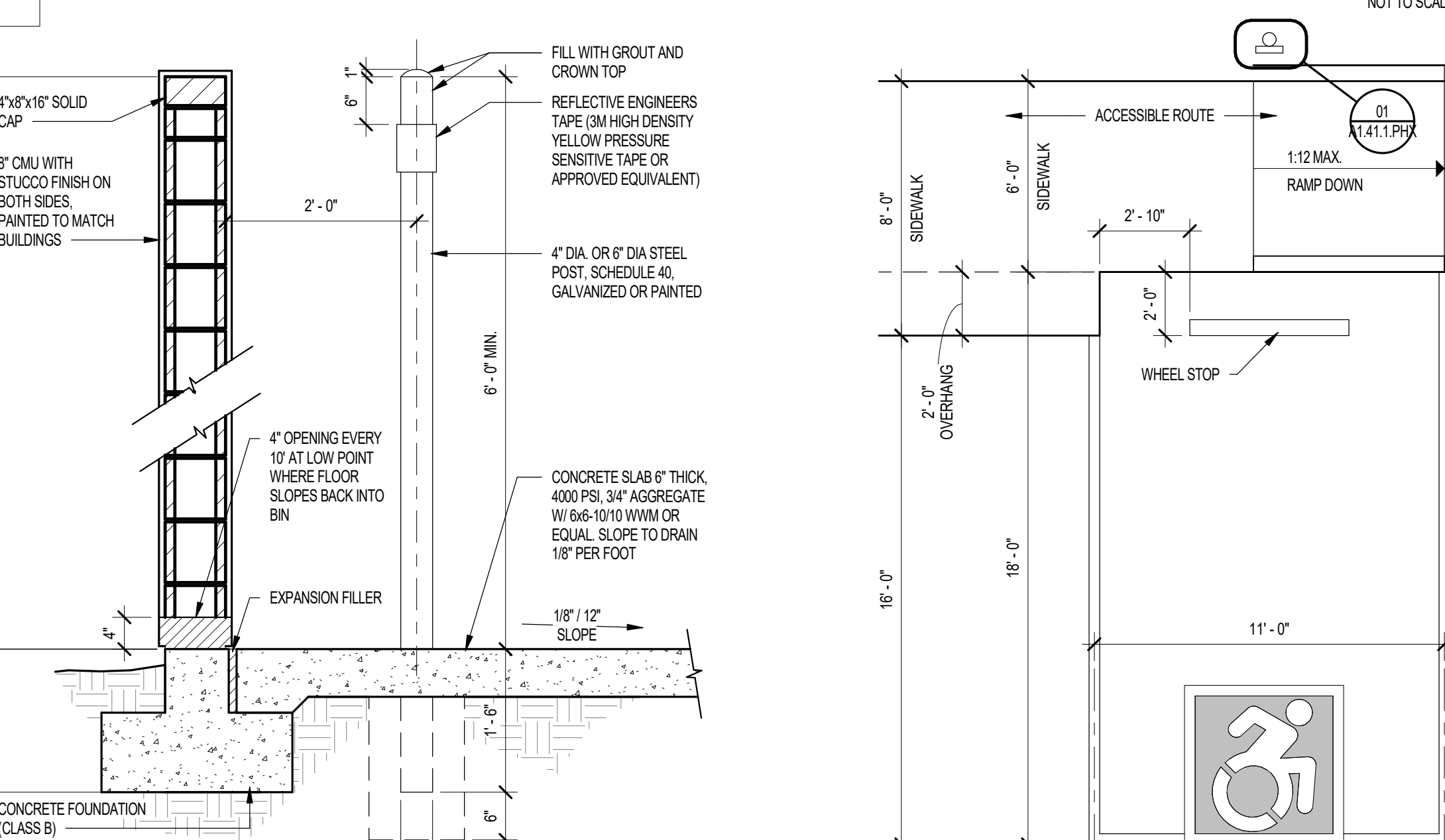
05 TYPICAL PARKING STALL WITH ISLAND



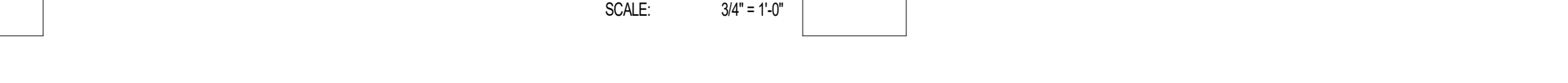
10 TYPICAL ACCESSIBLE RAMP



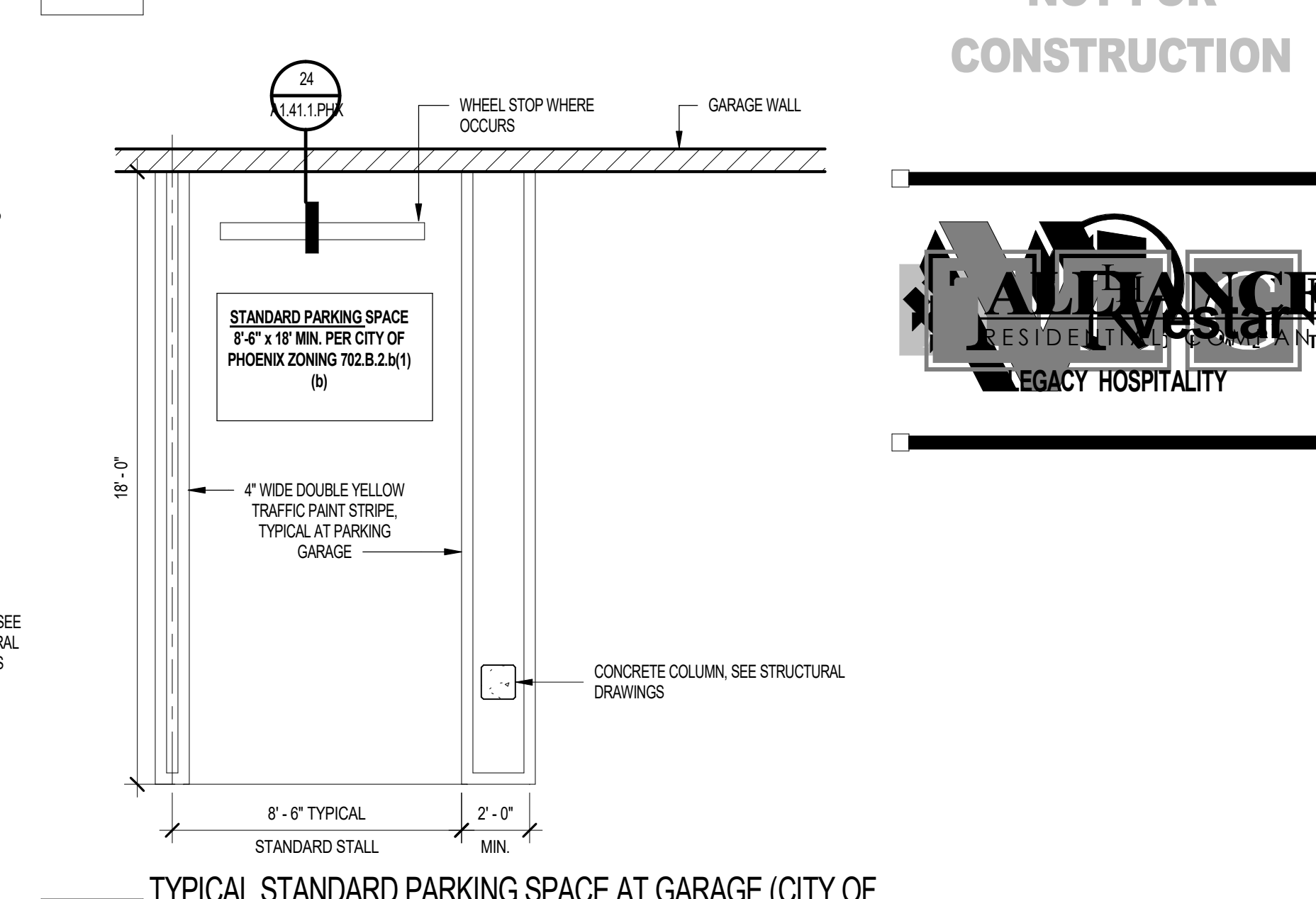
11 TYPICAL ACCESSIBLE PARKING STALL



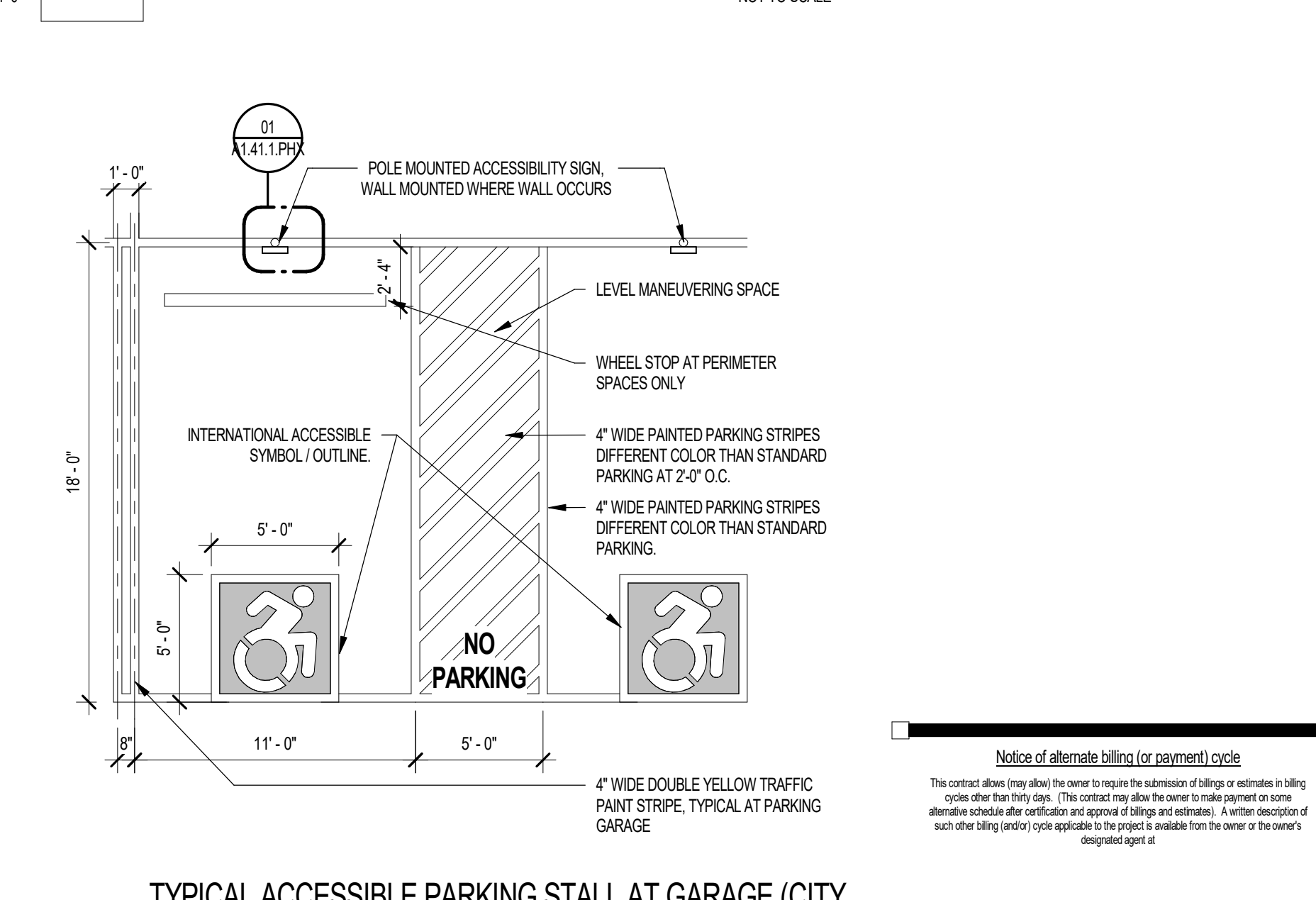
12 TRASH ENCLOSURE WALL



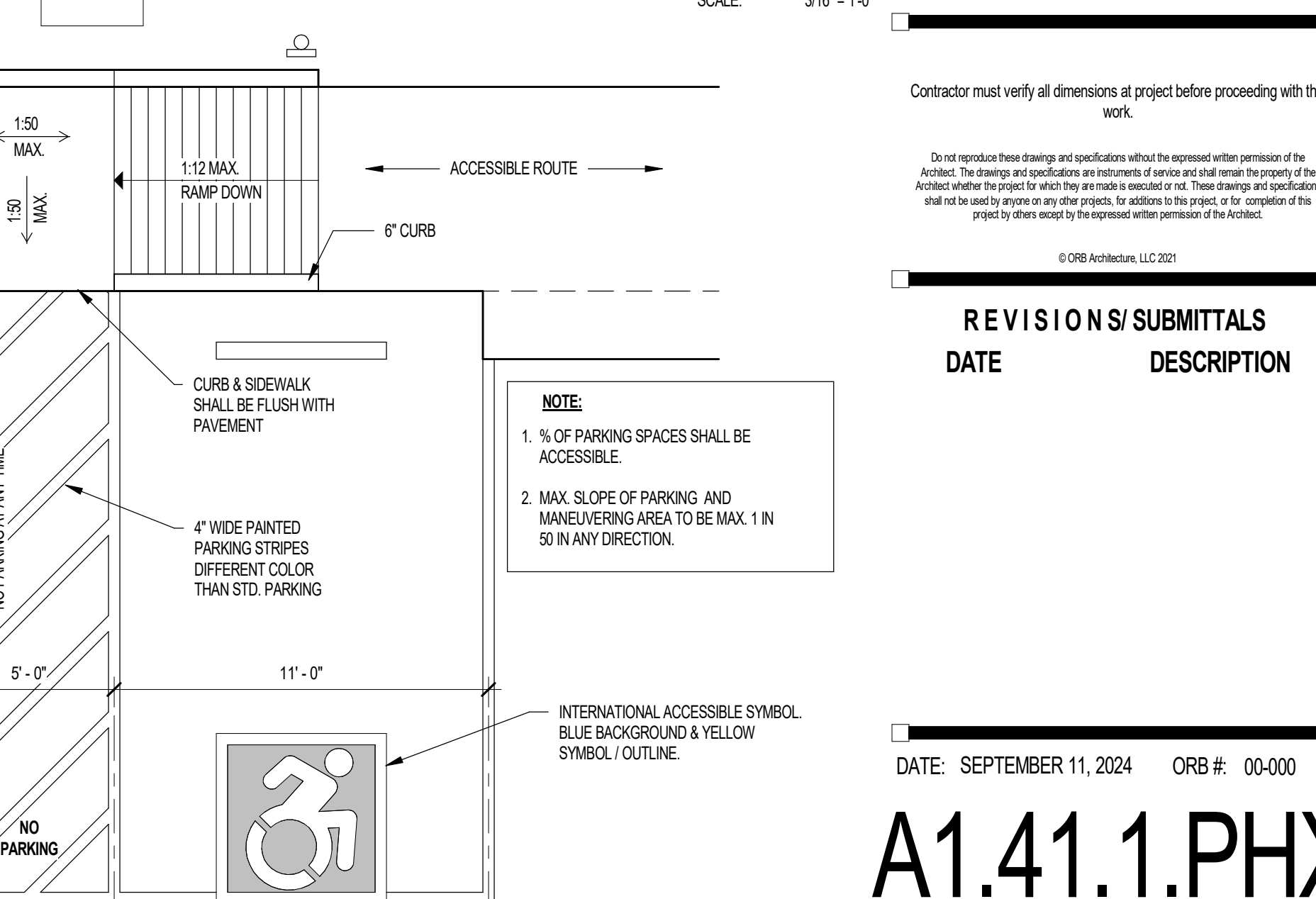
01 ACCESSIBLE PARKING SIGN (CITY OF PHOENIX)



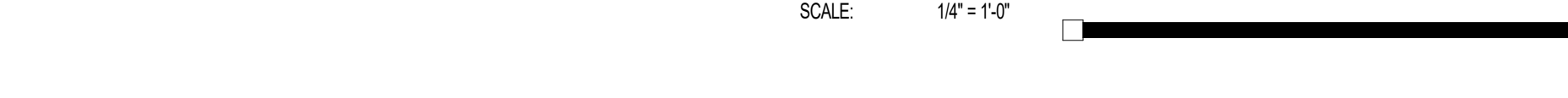
02 TYPICAL STANDARD PARKING SPACE AT GARAGE (CITY OF PHOENIX)



03 TYPICAL ACCESSIBLE PARKING STALL AT GARAGE (CITY OF PHOENIX)



08 TYPICAL ACCESSIBLE PARKING STALL



Project Name 1
Project Name 2
Street Address
City, State
Office of Rich Barber
ORB
Architecture, LLC
WorldHQ@ORBArch.com

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CONSTRUCTION
RESIDENTIAL
LEGACY HOSPITALITY

Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of change or variation in billing cycle after the high bid. This contract shall also allow the contractor to request an alternative alternate schedule after certification and approval of billing and payment. A written decision of the contractor shall be provided to the project manager within the time frame of the contractor's response.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written consent or request.

Contractor must verify all dimensions of project before proceeding with this work.

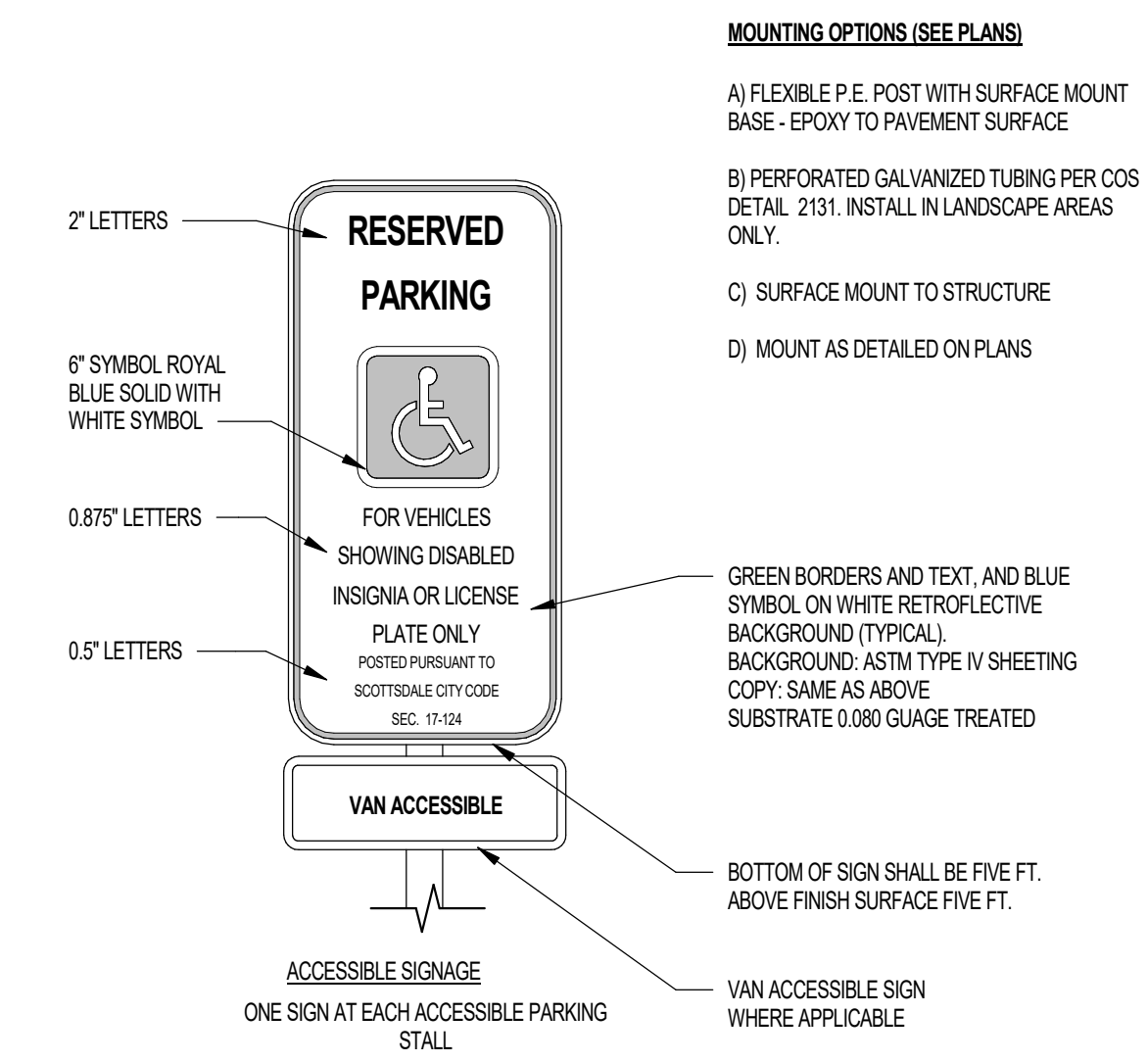
Contractor shall verify all dimensions of project before proceeding with this work. The drawings and specifications are intended to be used as a guide and shall not be construed as a contract. The contractor shall be responsible for all dimensions and specifications. The contractor shall be responsible for all dimensions and specifications. The contractor shall be responsible for all dimensions and specifications.

REVISIONS/SUBMITTALS

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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.PHX
SITE DETAILS CITY OF PHOENIX



Project Name 1
Project Name 2
Street Address
City, State

Office of Rich Barber
ORB
Architecture, LLC

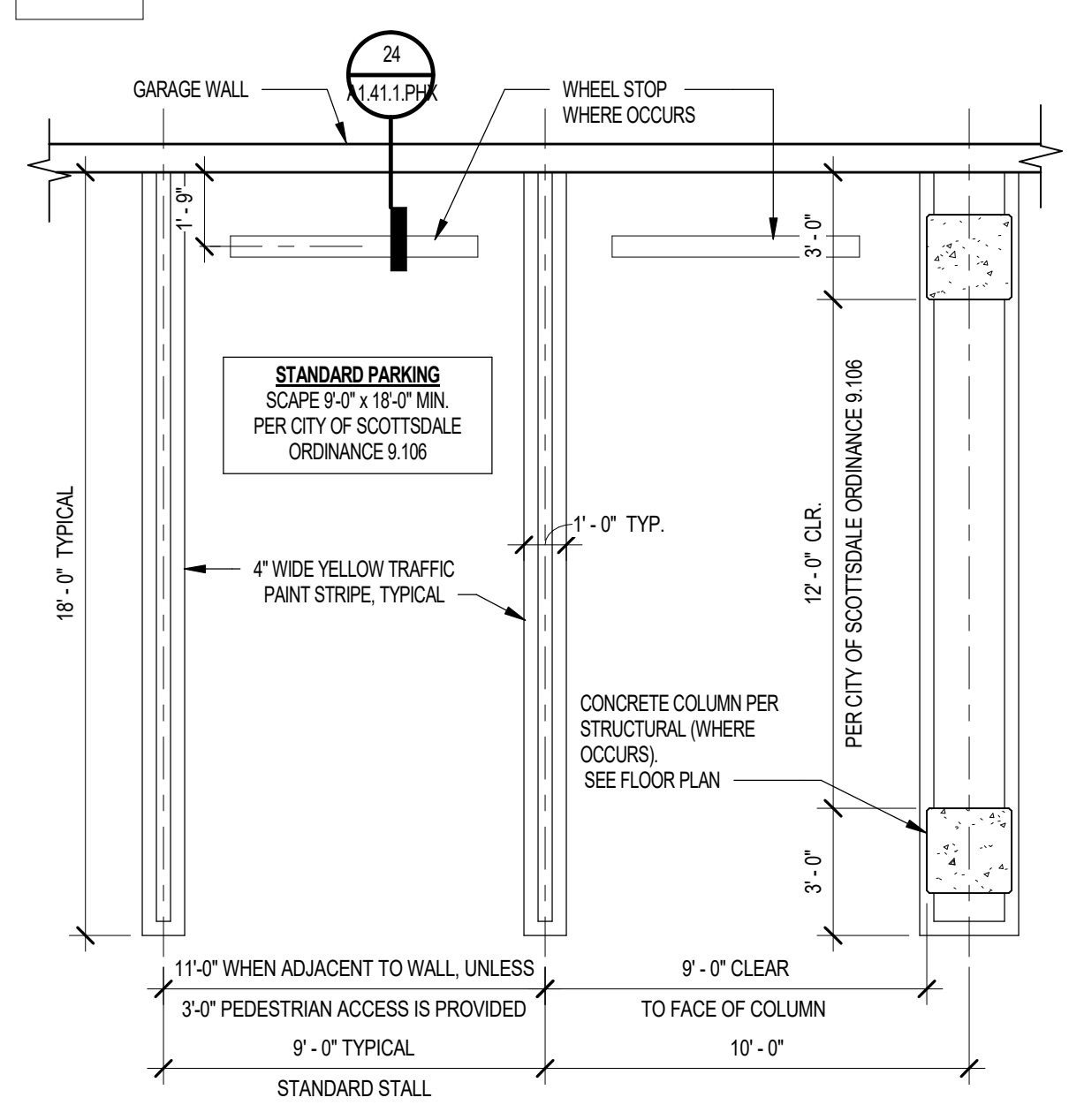
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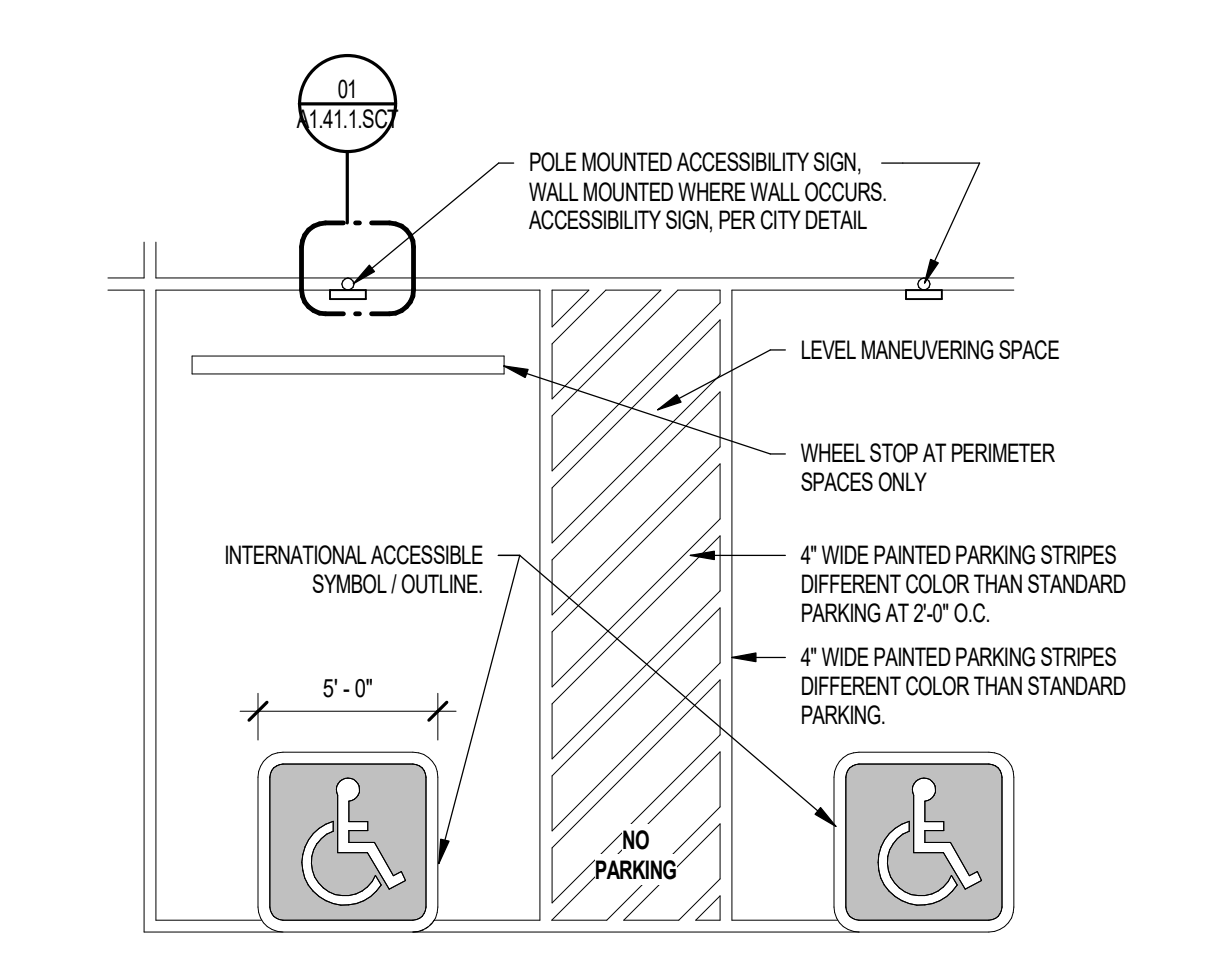


EXCERPT OF DETAIL 2124 OF CITY OF SCOTTSDALE STANDARD DETAILS

01 ACCESSIBLE PARKING SIGN - (CITY OF SCOTTSDALE)
SCALE: 1/12" = 1'-0"



02 TYPICAL PARKING SPACE AT GARAGE
SCALE: 1/4" = 1'-0"



03 TYPICAL ACCESSIBLE PARKING STALL AT GARAGE (CITY OF SCOTTSDALE)
SCALE: 3/16" = 1'-0"

Notice of alternate billing (or payment) cycle
This contract allows the client the right to request the admission of billing or alternate to billing cycle after the first date. This contract shall be subject to the terms of the contract or other alternate schedule after certification and approval of billing and estimates. A further decision of such other billing cycle shall be subject to the terms of the contract or other alternate schedule as set forth in the contract.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
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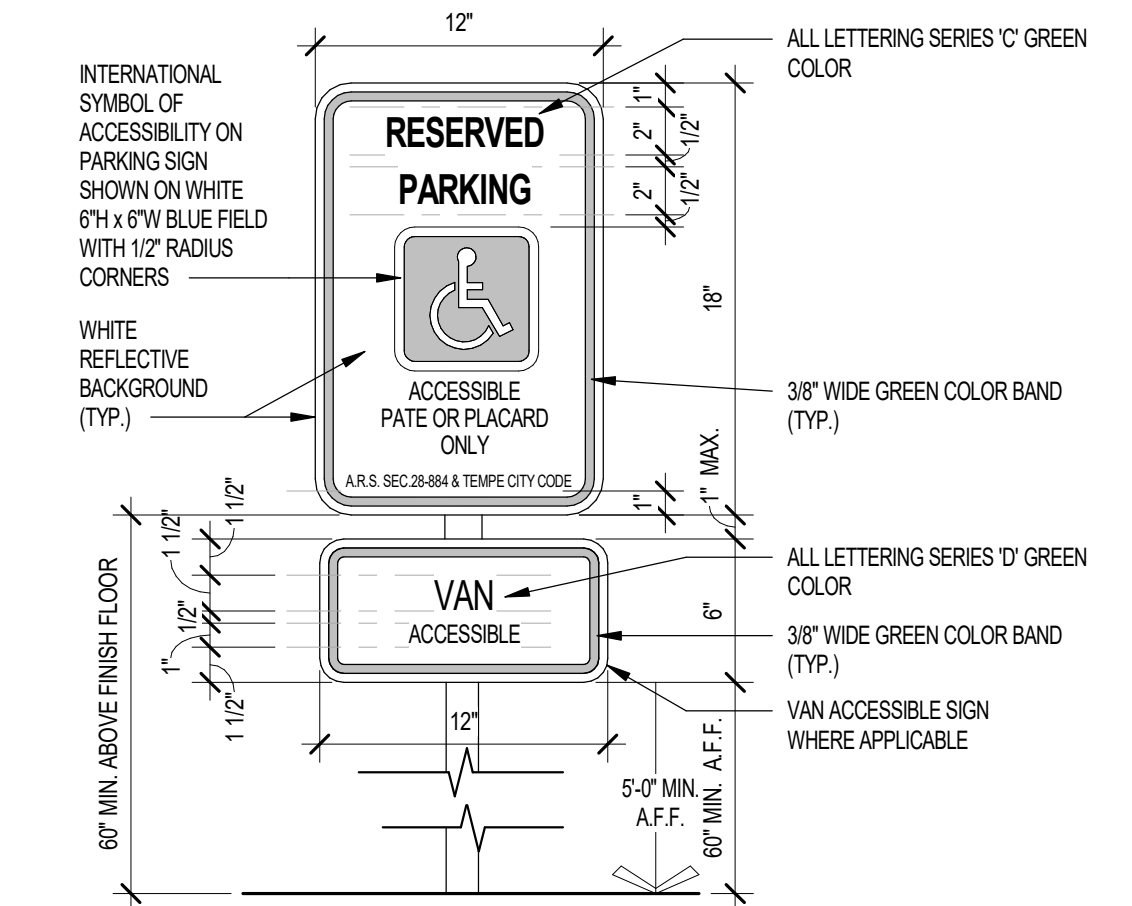
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

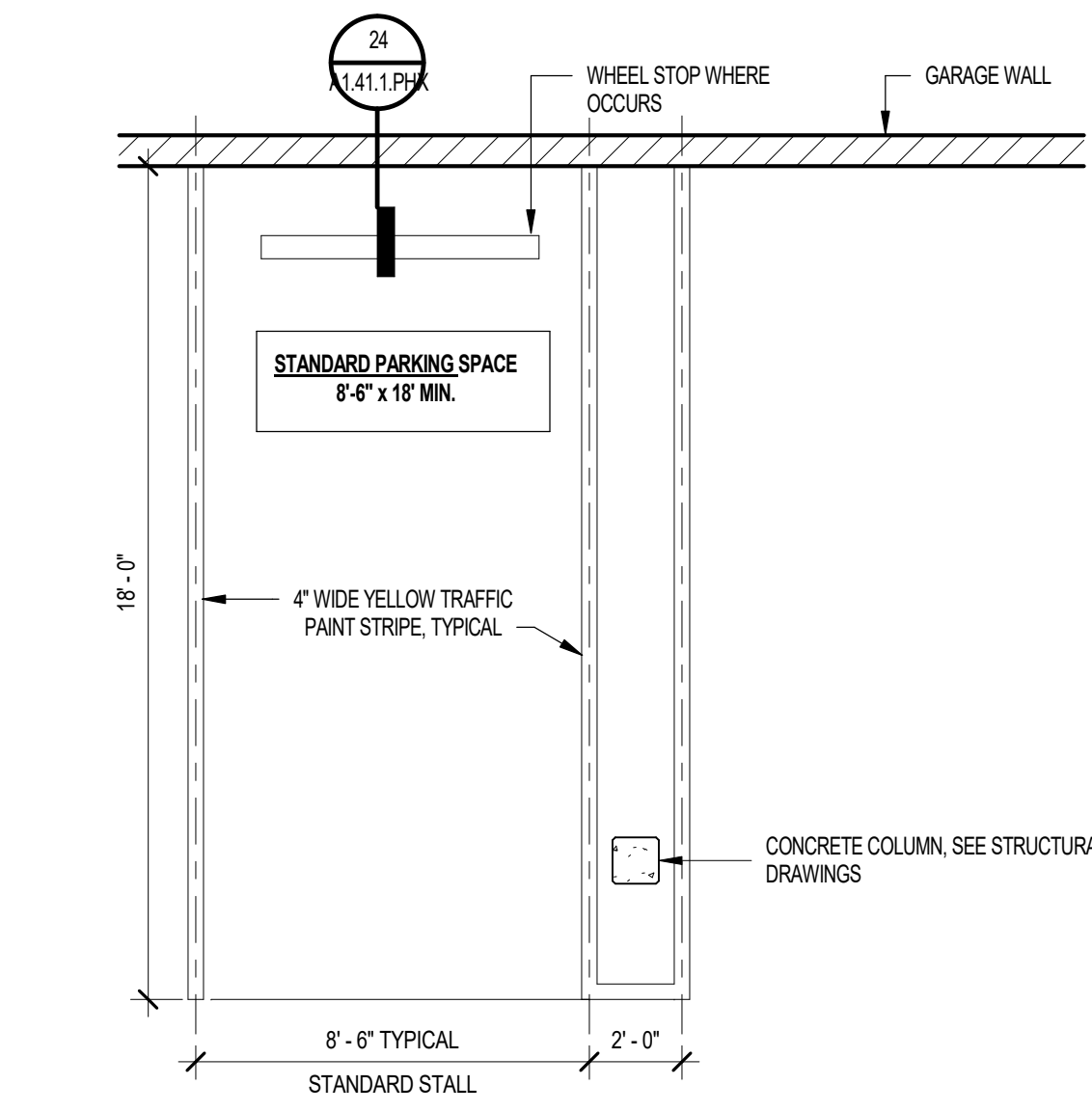
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SITE DETAILS CITY OF SCOTTSDALE

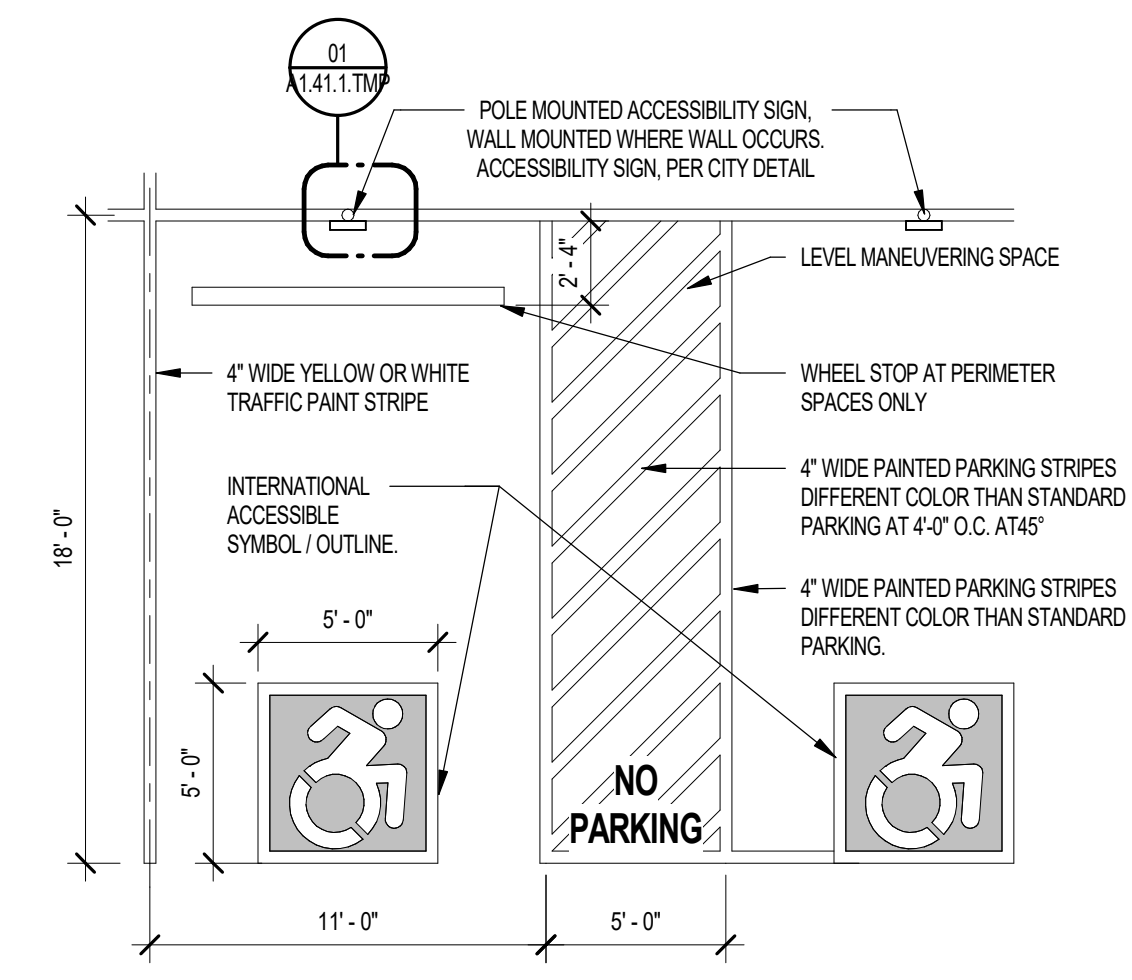


- NOTES:**
1. THE BOTTOM OF THE SIGN SHALL BE 67" MIN. ABOVE FINISH FLOOR OR GROUND SURFACE.
 2. SIGNS SHALL BE PROPERLY CENTERED ON THE PARKING SPACE.
 3. THE SIGN FACE SHOULD BE LOCATED NO FARTHER THAN 6 FEET FROM THE FRONT OF EACH PARKING SPACE.
 4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PLACED ON THE PAVEMENT WITHIN EACH ACCESSIBLE PARKING SPACE. A BLUE BACKGROUND WITH YELLOW OR WHITE BORDER MAY SUPPLEMENT THE WHEELCHAIR SYMBOL.
 5. PROVIDE ONE SIGN AT EACH ACCESSIBLE PARKING STALL.
 6. THE SIGNS SHALL BE ON STATIONARY POST OR APPROVED WALL LOCATION. THESE SIGNS SHALL NOT BE OBSTRUCTED.

01 ACCESSIBLE PARKING SIGN (CITY OF TEMPE)
SCALE: 1 1/2" = 1'-0"



02 TYPICAL STANDARD PARKING SPACE AT GARAGE (CITY OF TEMPE)
SCALE: 1/4" = 1'-0"



- NOTES:**
1. REQUIRED WIDTH DIMENSIONS OF ACCESSIBLE PARKING SPACES AND ACCESS ISLES ARE MEASURED TO CENTERLINE OF STRIPING.
 2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE PLACED ON THE PAVEMENT WITHIN EACH ACCESSIBLE PARKING SPACE. A BLUE BACKGROUND WITH YELLOW OR WHITE BORDER MAY SUPPLEMENT THE WHEELCHAIR SYMBOL.

03 TYPICAL ACCESSIBLE PARKING STALL AT GARAGE (CITY OF TEMPE)
SCALE: 3/16" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State



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CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.TMP
SITE DETAILS CITY OF TEMPE

Project Name 1
Project Name 2

Street Address
City, State



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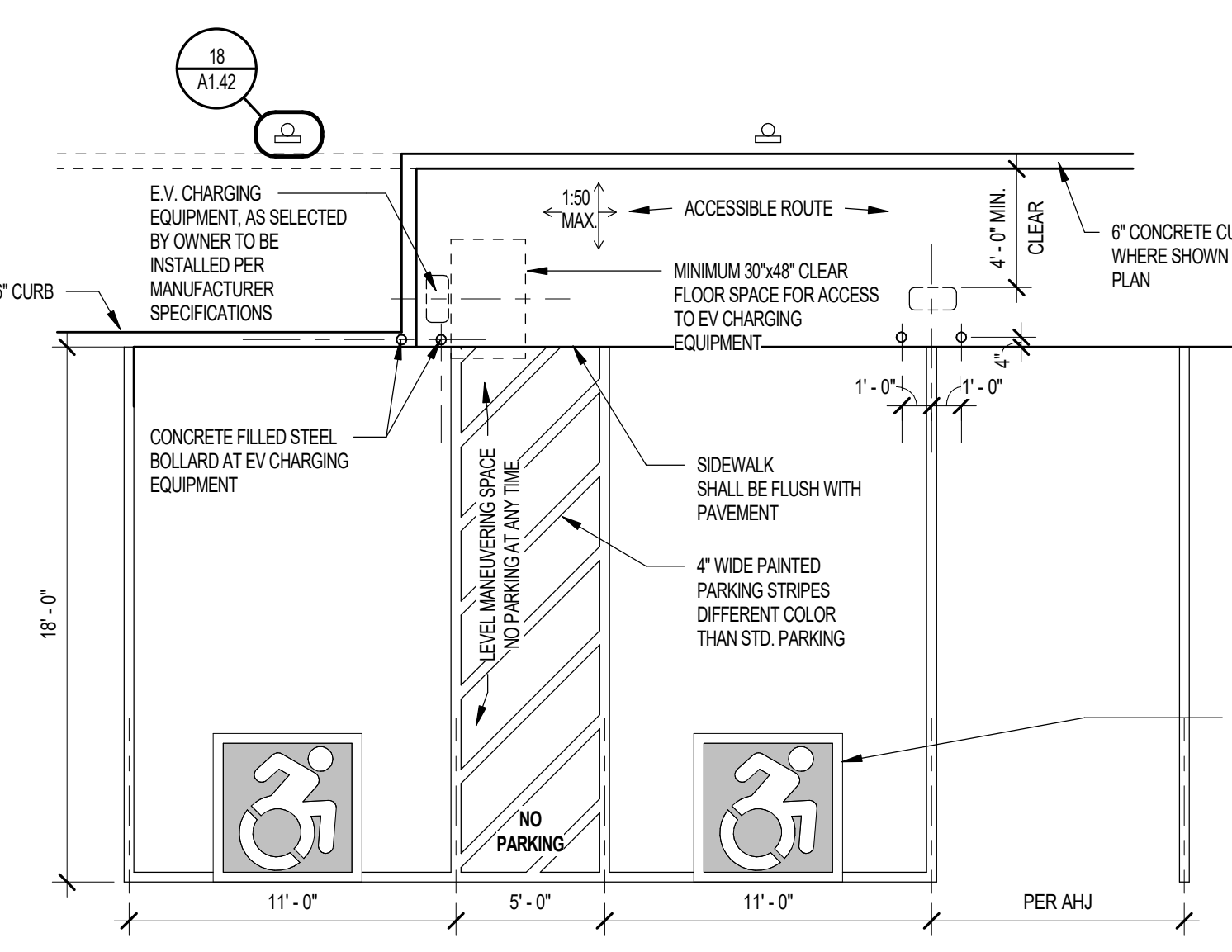
R E V I S I O N S / S U B M I T T A L S

DATE DESCRIPTION

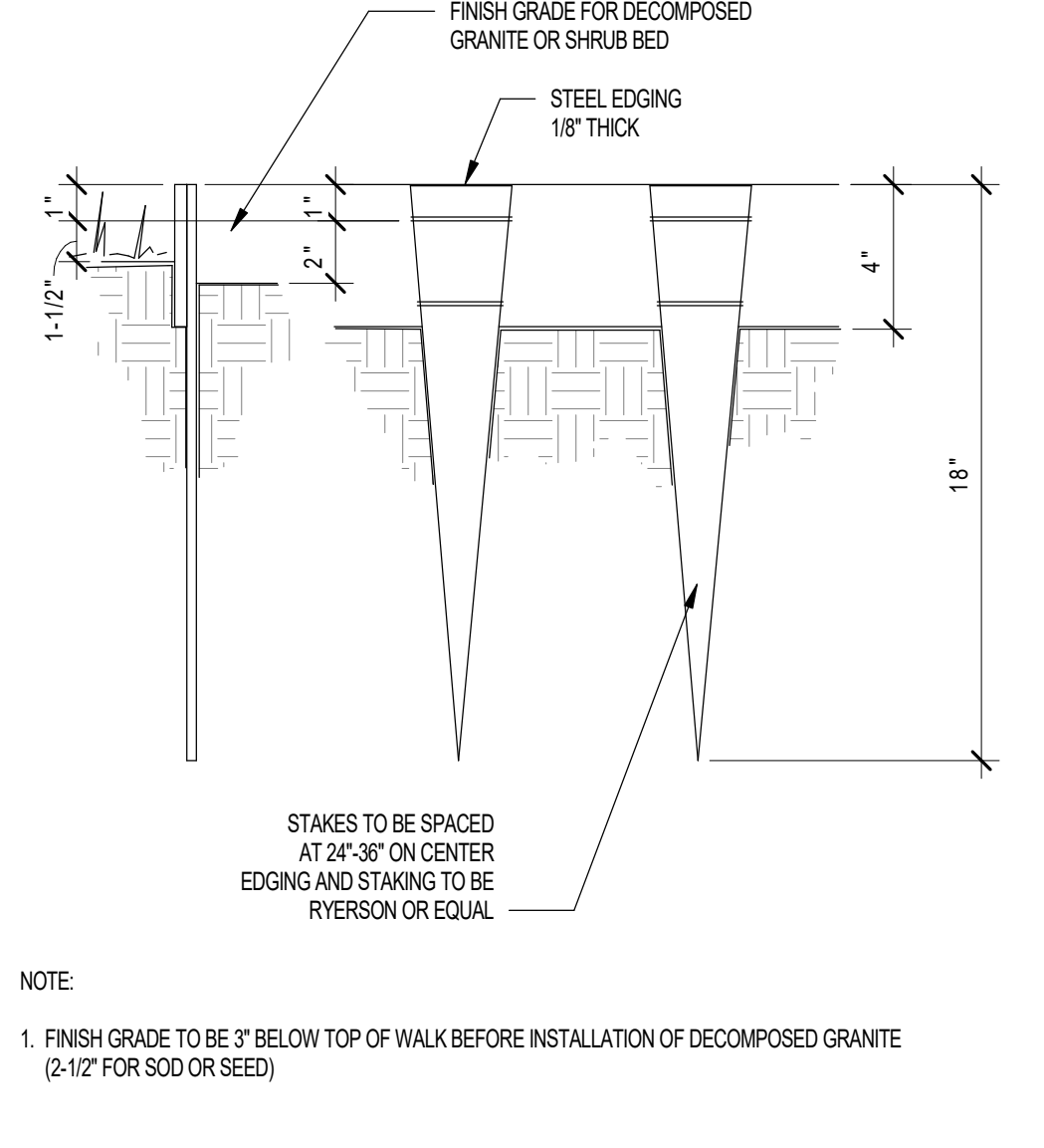
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A1.41.1.TSN
SITE DETAILS CITY OF TUCSON

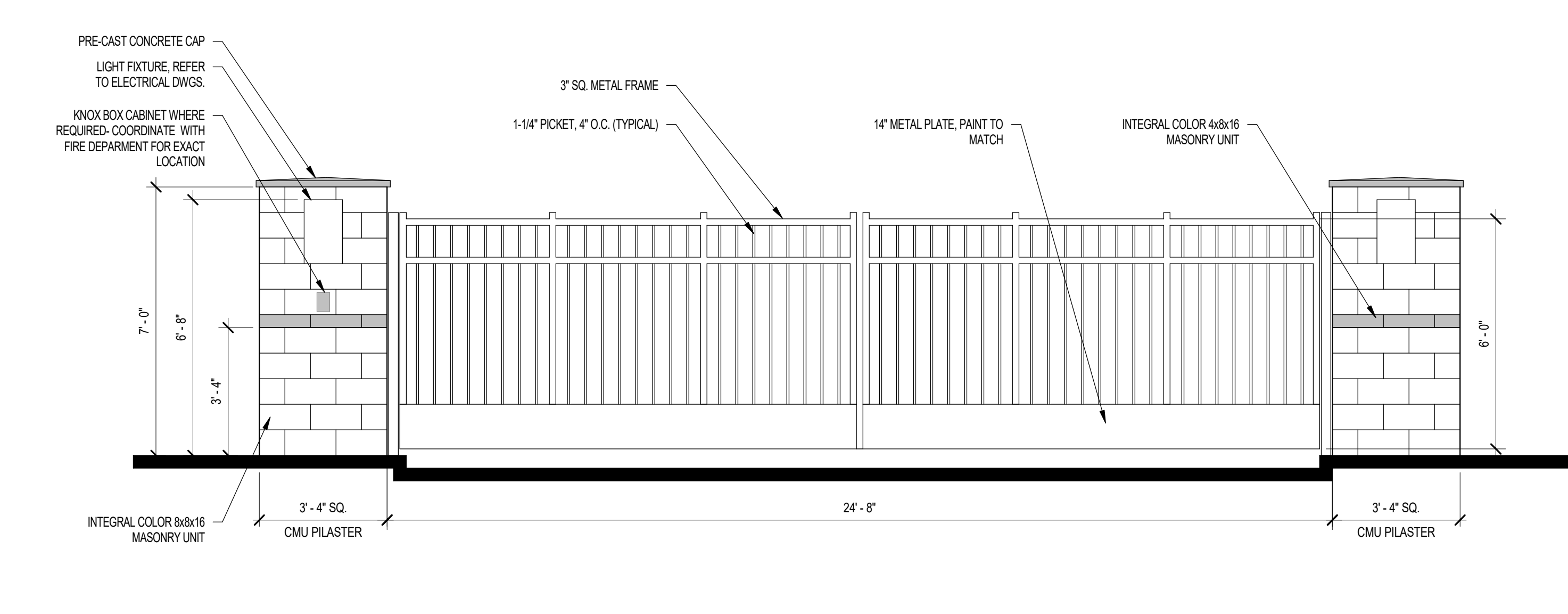
9/17/2024 2:21:36 PM
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21 TYPICAL EV ACCESSIBLE PARKING STALL
SCALE: 3/16" = 1'-0"

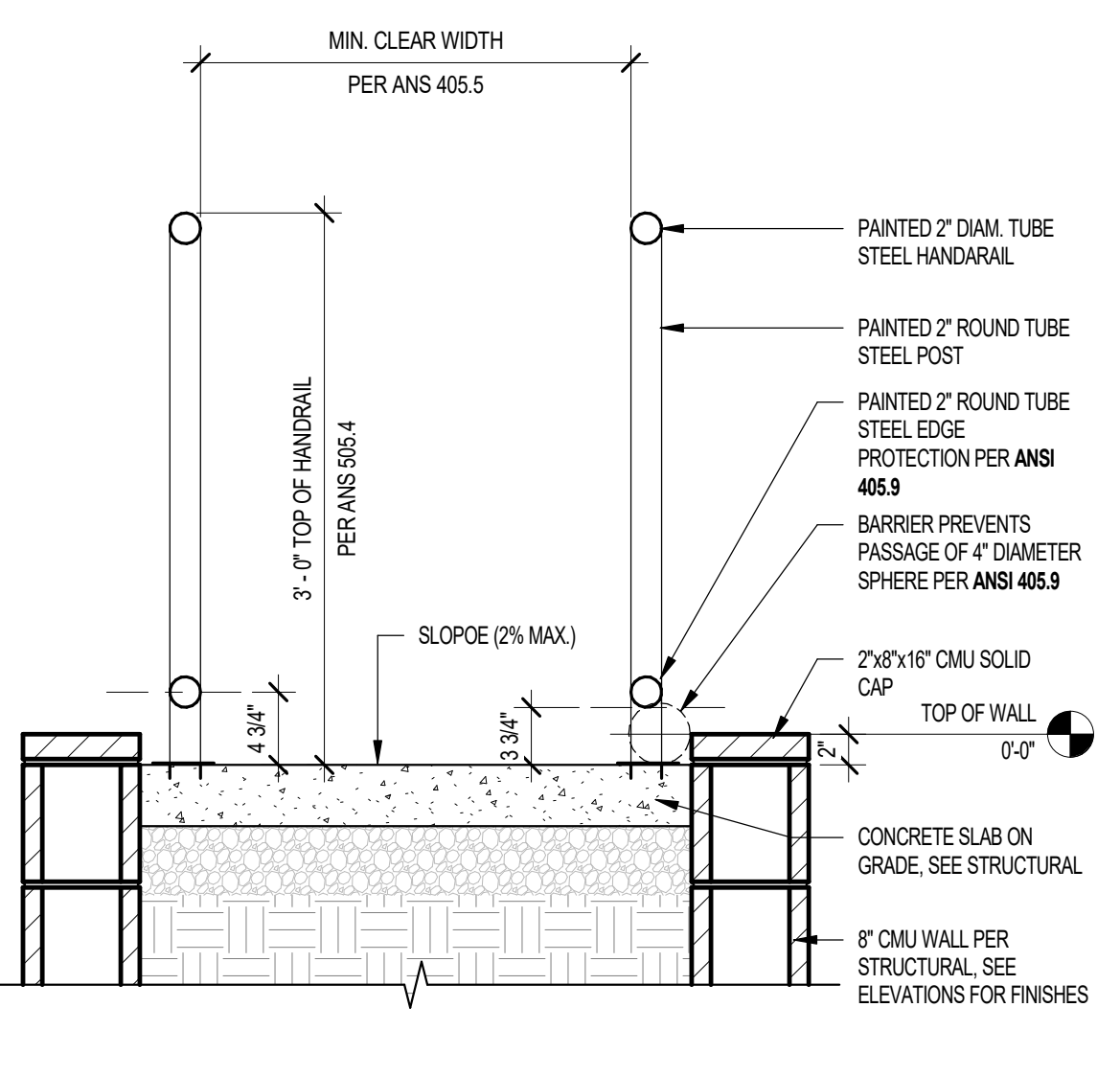


13 STEEL HEADER (NOT TO SCALE)
SCALE: 1/2" = 1'-0"

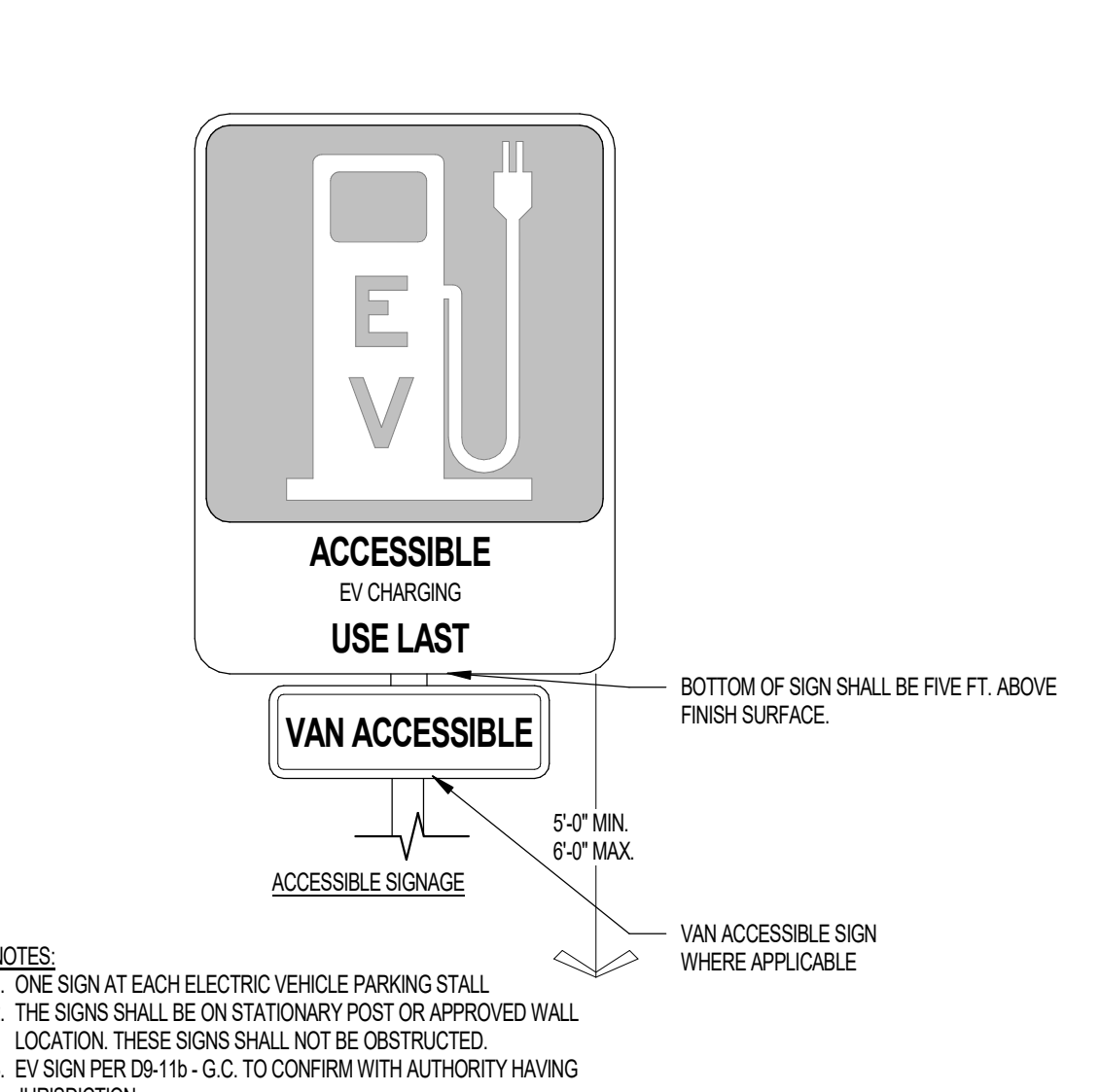


09 VEHICULAR ENTRY GATE
SCALE: 3/8" = 1'-0"

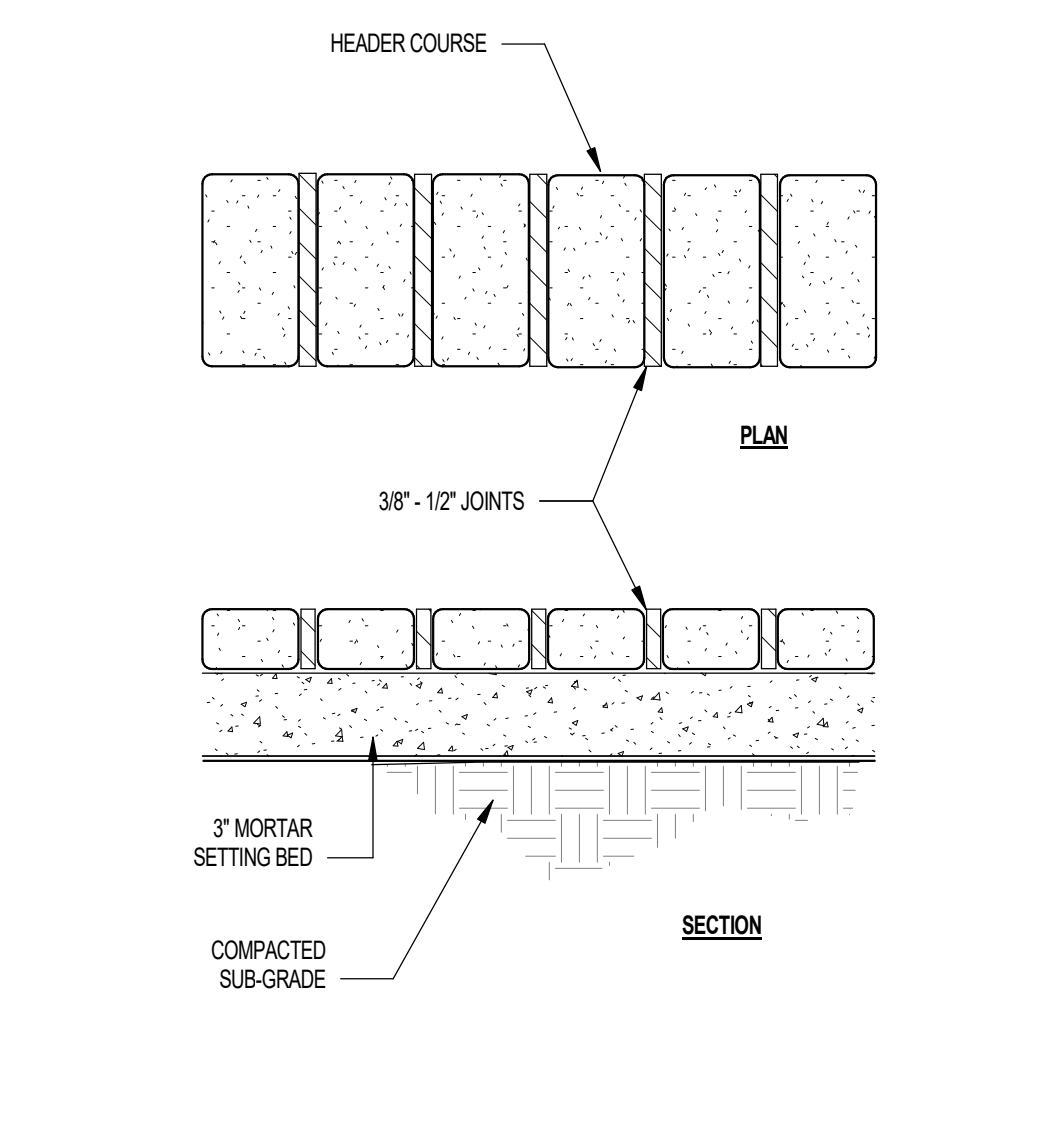
- NOTE:**
1. PROVIDE OPTICOMKNOX SWITCH
 2. AUTOMATIC VEHICULAR GATE SHALL BE CONSTRUCTED AND INSTALLED IN COMPLIANCE WITH ASTM F2202 & GATE OPENERS TO BE UL 325 LISTED PER IBC 3110
 3. AUTOMATIC VEHICULAR GATE IS A CLASS II COMMERCIAL GENERAL ACCESS GATE. PROVIDE TESTING FOR DUTY CYCLE BY A NATIONALLY RECOGNIZED TESTING LABORATORY
 4. PROVIDE MIN. OF 2 ENTRAPMENT PROTECTION DEVICES FOR ENTRAPMENT ZONES
 5. DESIGN & PROVIDE APPROPRIATE FALL OVER PROTECTION FOR AUTOMATIC VEHICULAR GATE
 6. PROVIDE MIN. OF 2 ENTRAPMENT PROTECTION DEVICES FOR ENTRAPMENT ZONES
 7. PICKETS SHALL NOT ALLOW A SPHERE OF 2 1/4" TO PASS THROUGH. OR PROVIDE ALTERNATE SCREENING METHOD APPROVED BY OWNER & ARCHITECT
 8. IF ACCESS CONTROL IS REQUIRED BY OWNER IT SHALL BE PLACED 6'-0" AWAY FROM THE GATE
 9. PROVIDE A MIN. OF 2 WARNING SIGNS, IN ACCORDANCE WITH ASTM F2202 & ILL. 326
 10. PROVIDE PHYSICAL STOPS, PER ASTM F2200
 11. NO PROTRUSION MORE THAN 1/2" ALLOWED



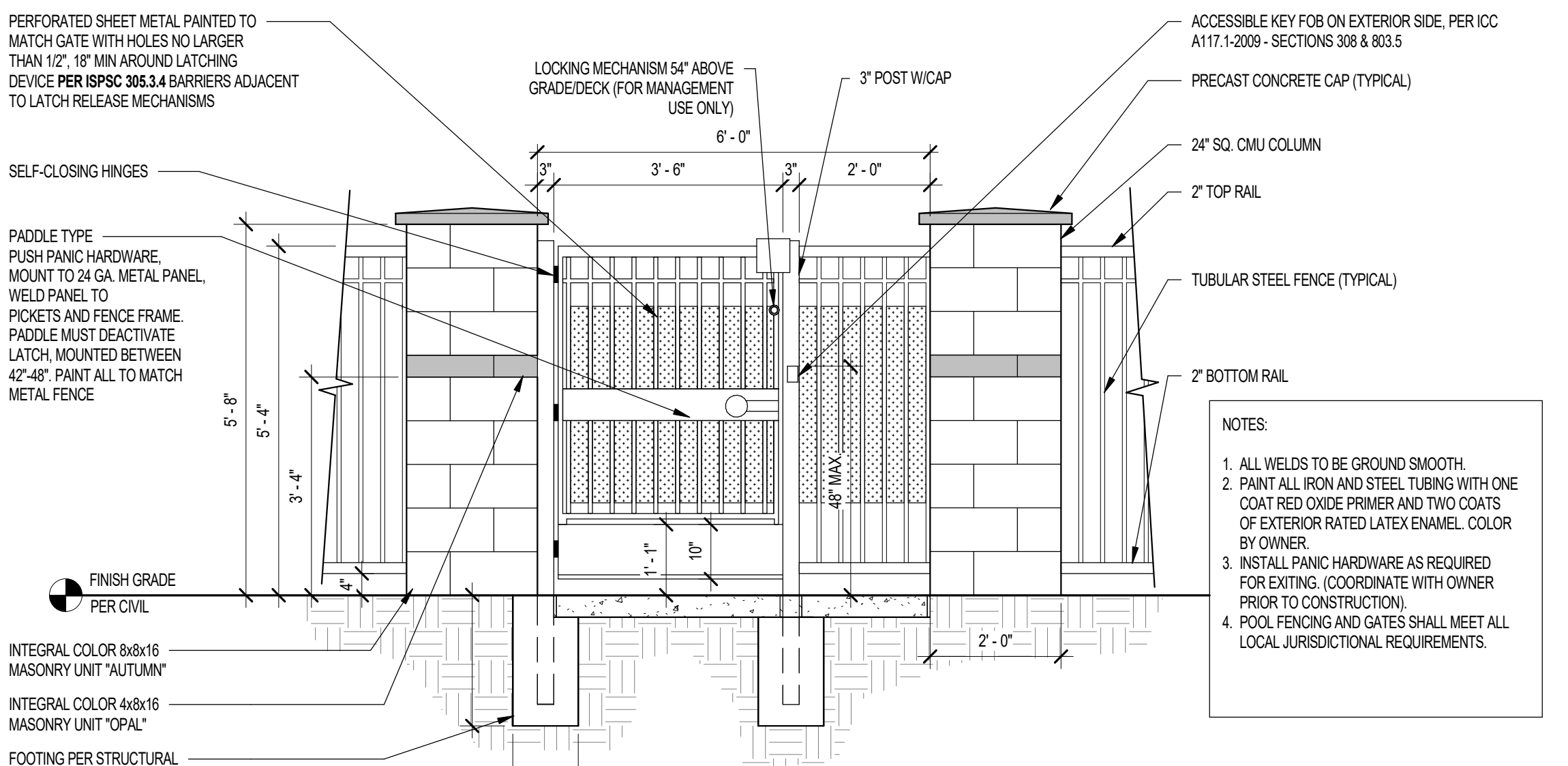
22 RAMP EDGE PROTECTION
SCALE: 1" = 1'-0"



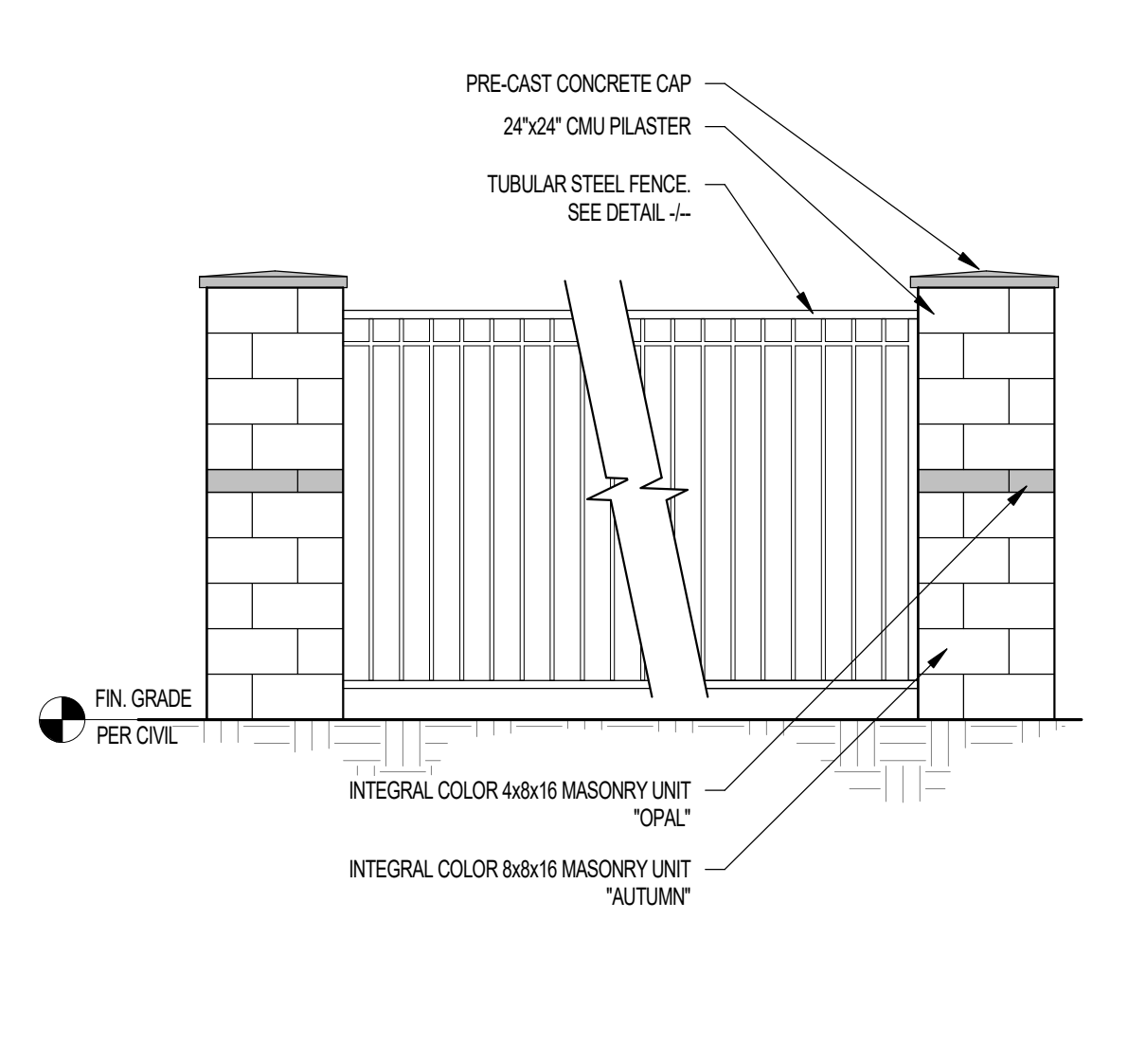
18 EV PARKING SIGN
SCALE: 1 1/2" = 1'-0"



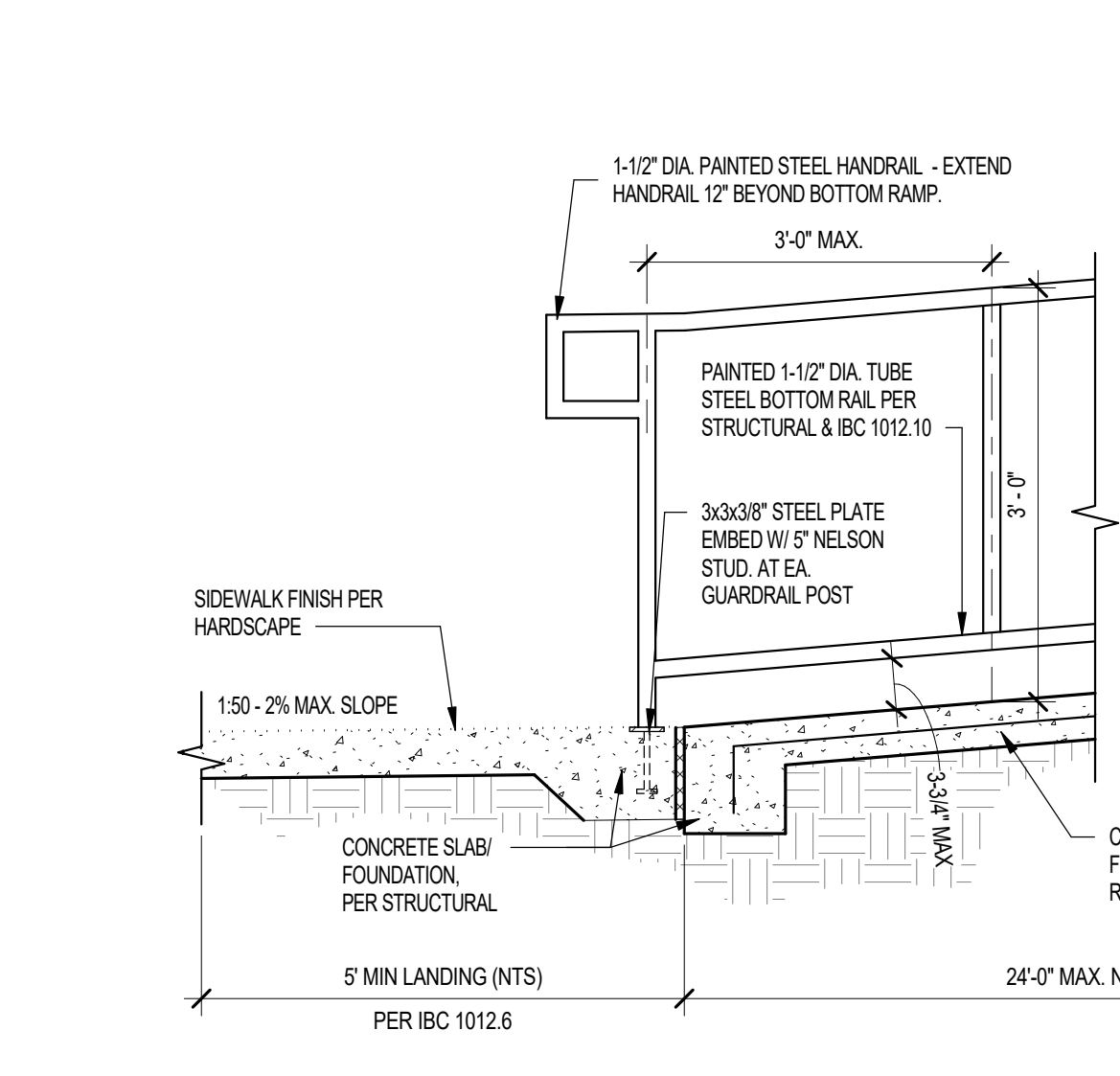
14 PAVER HEADER (NOT TO SCALE)
SCALE: 1/2" = 1'-0"



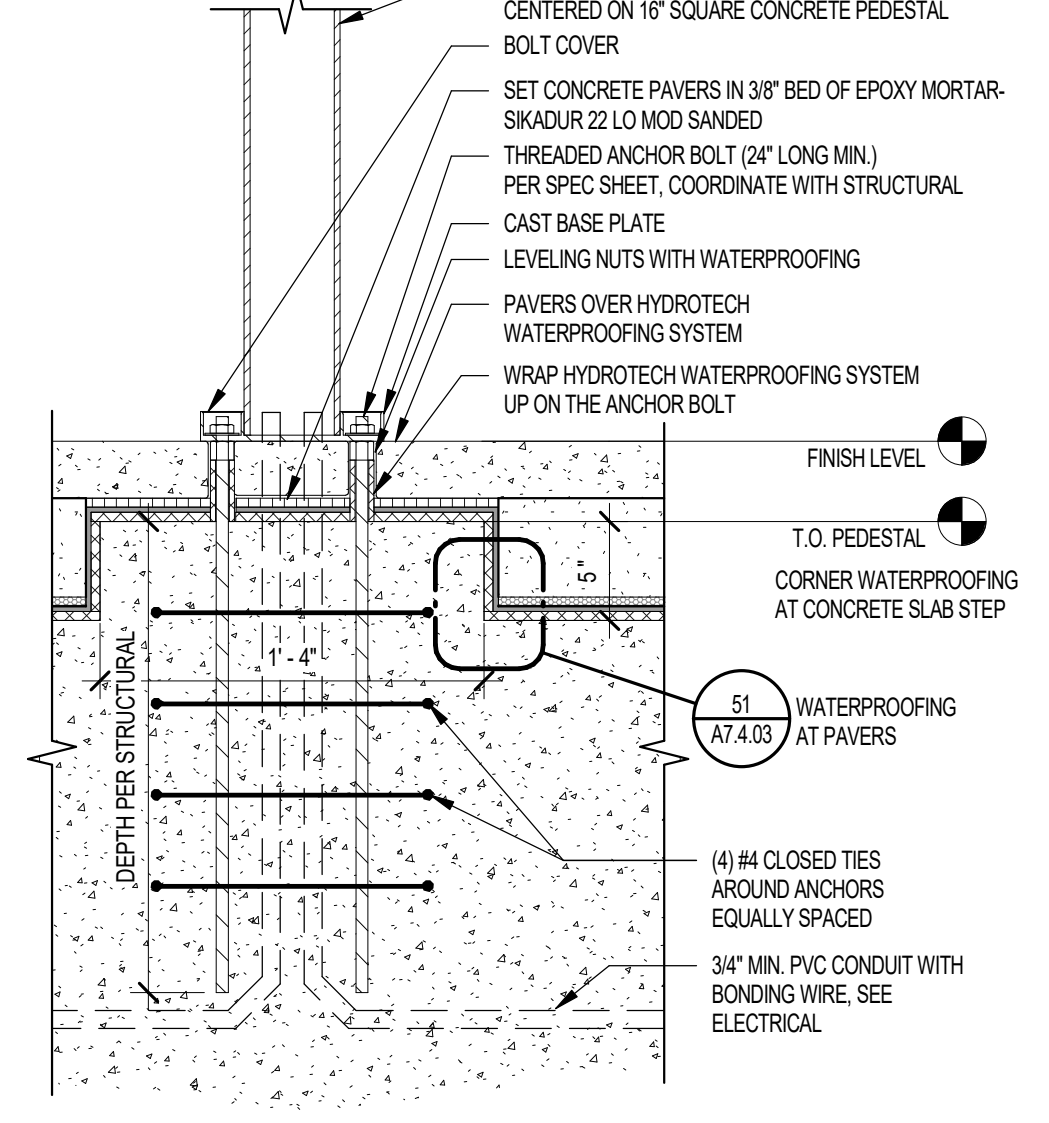
10 PEDESTRIAN ENTRY GATE AT POOL FENCE
SCALE: 1/2" = 1'-0"



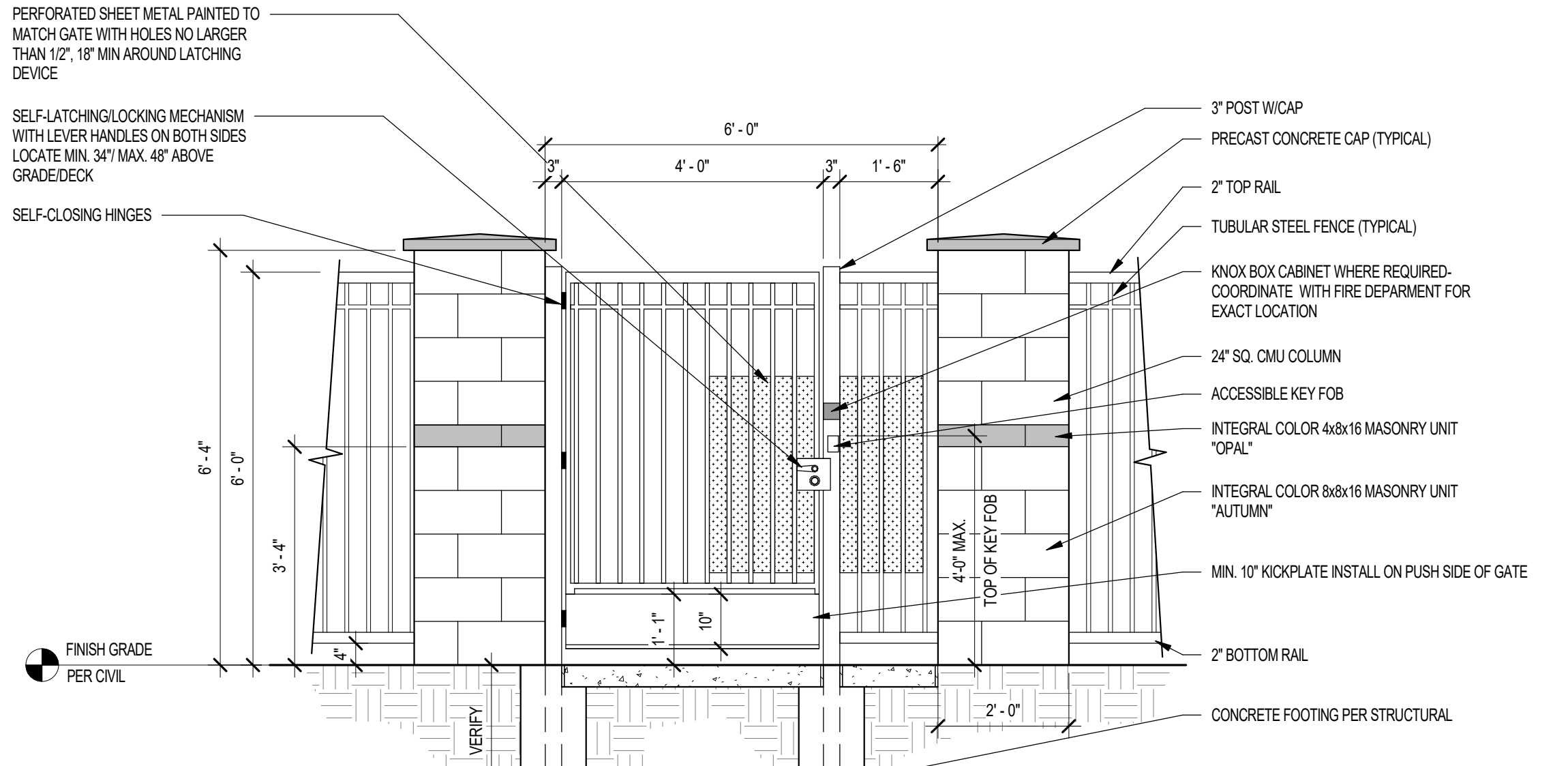
02 PILASTER AT PERIMETER TUBULAR STEEL FENCE
SCALE: 3/8" = 1'-0"



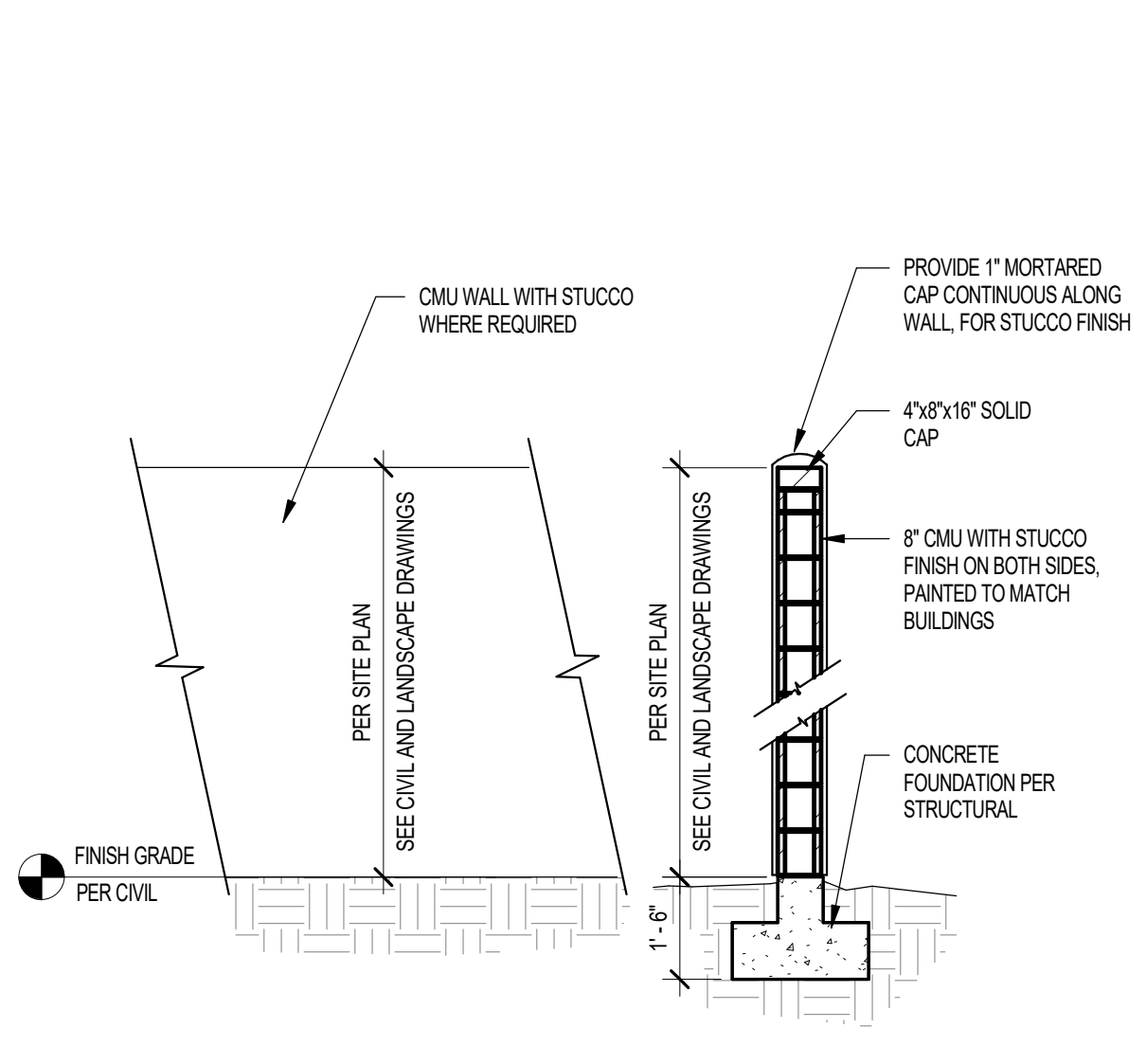
23 TYPICAL ACCESSIBLE RAMP SECTION DETAIL
SCALE: 3/4" = 1'-0"



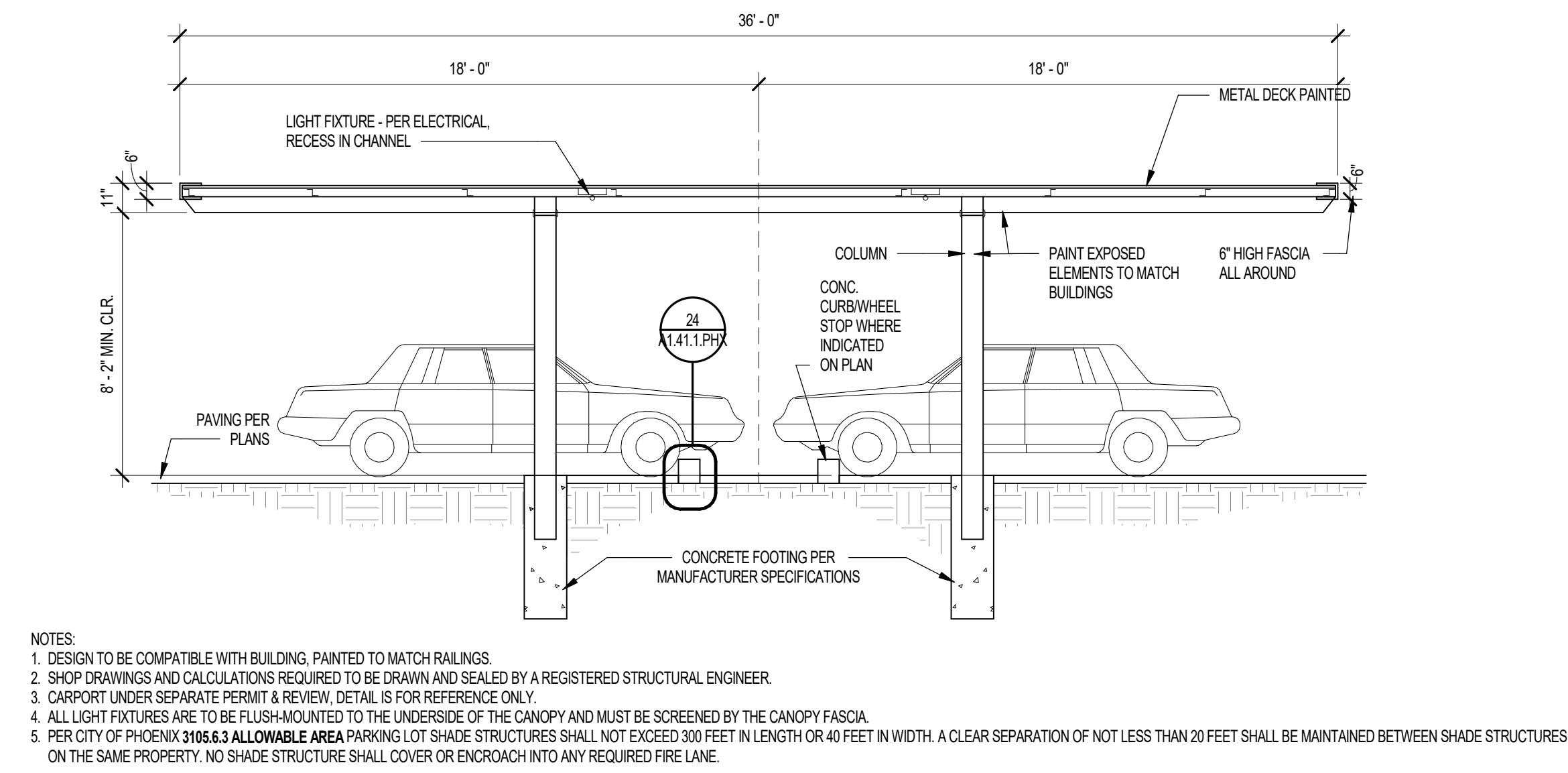
15 LIGHT POLE BASE ATTACHMENT TO CONCRETE SLAB
SCALE: 1 1/2" = 1'-0"



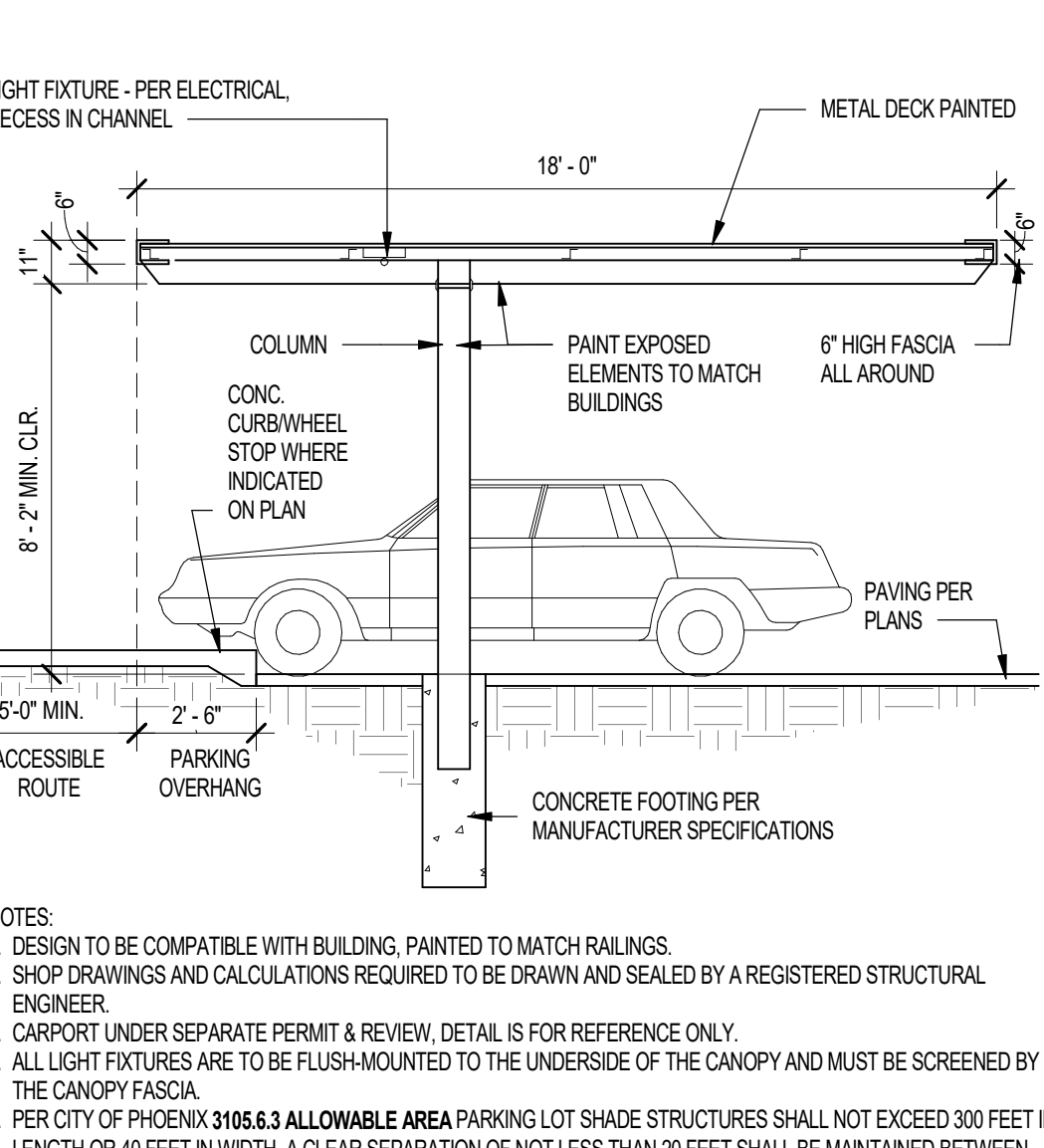
11 PEDESTRIAN ENTRY GATE
SCALE: 1/2" = 1'-0"



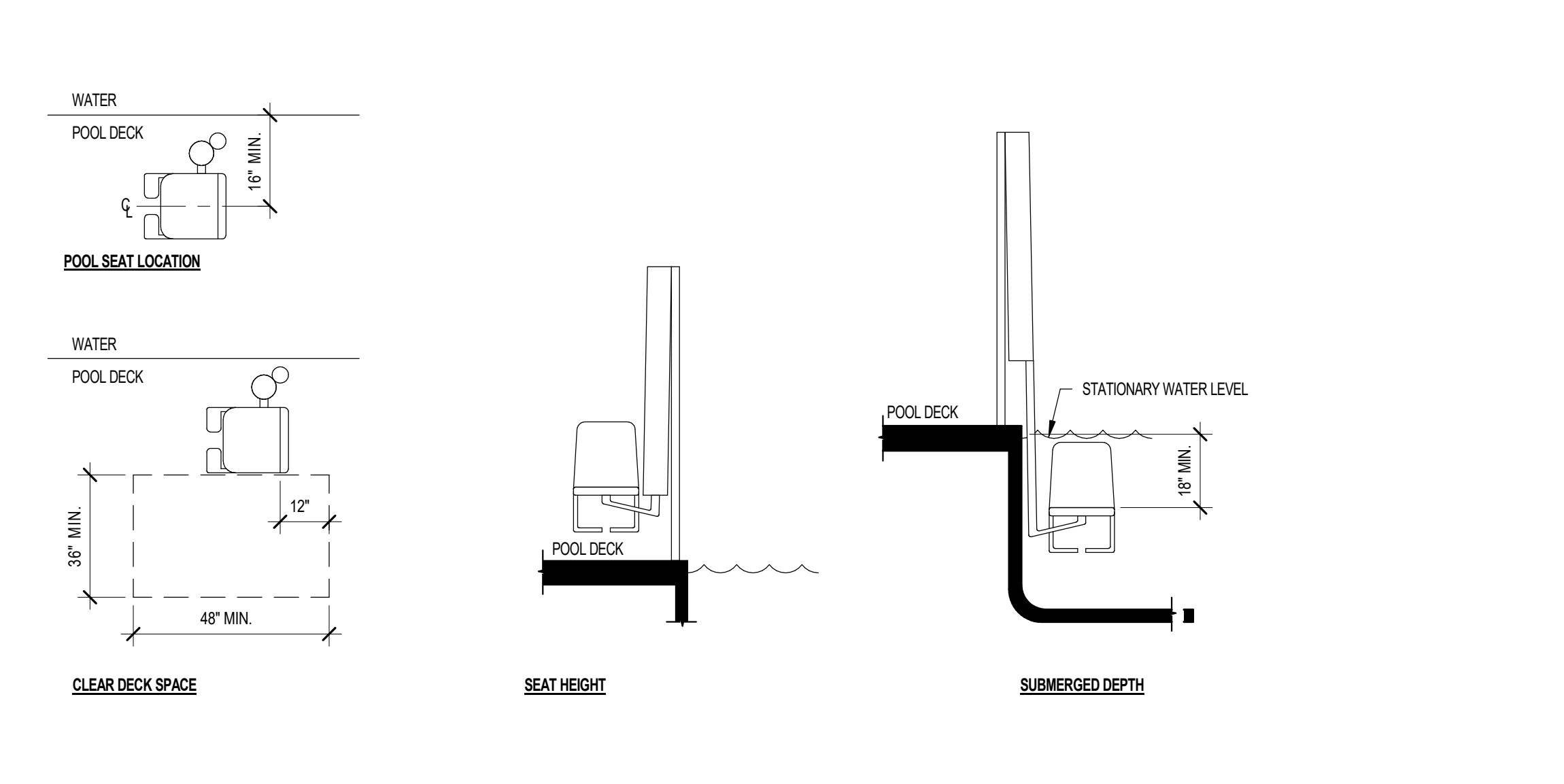
03 PERIMETER MASONRY WALL
SCALE: 3/8" = 1'-0"



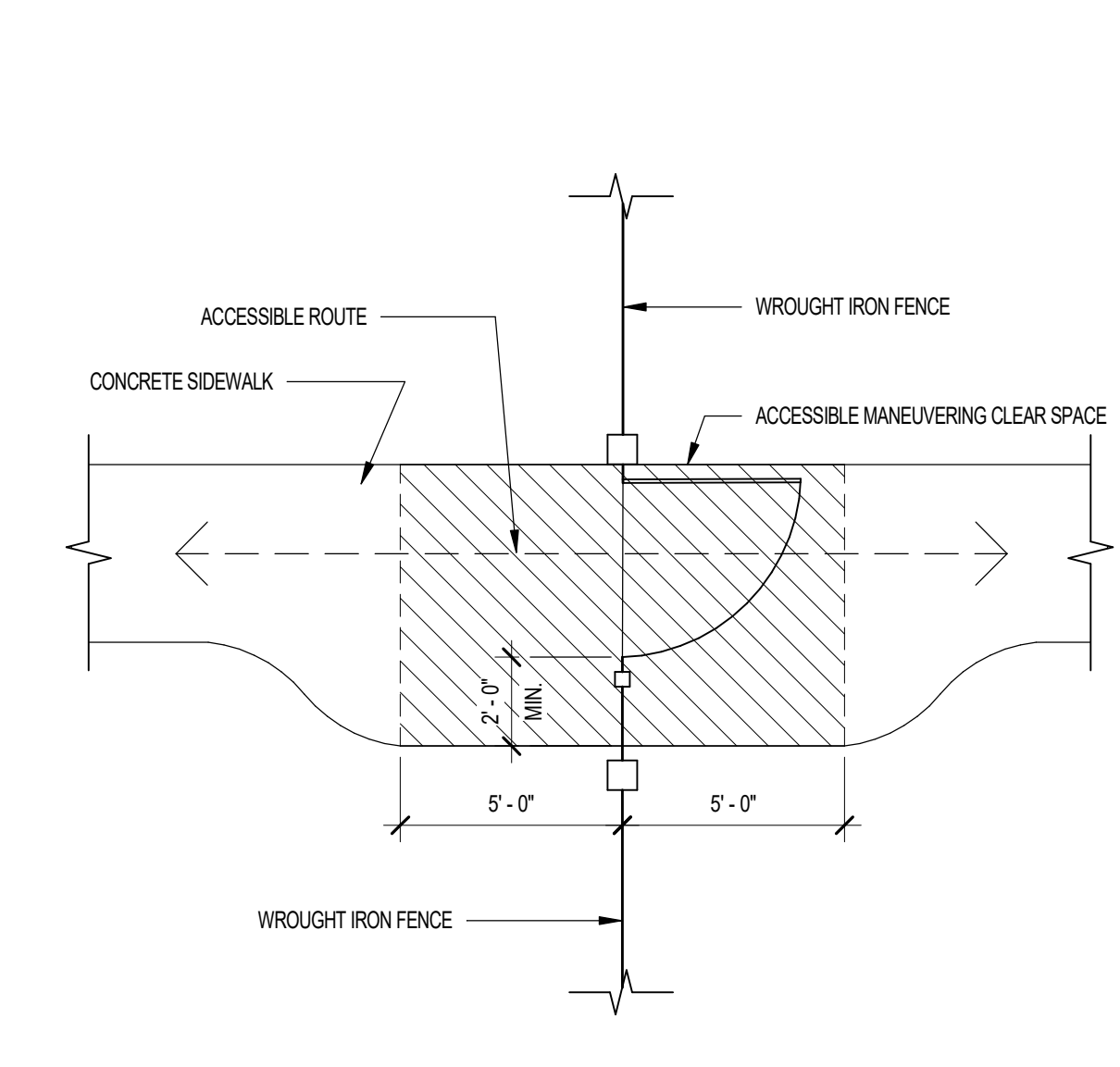
24 DOUBLE CARPORT DETAIL CITY OF PHOENIX
SCALE: 1/4" = 1'-0"



16 TYPICAL CARPORT DETAIL CITY OF PHOENIX
SCALE: 1/4" = 1'-0"



12 POOL LIFT
SCALE: 3/8" = 1'-0"



04 MANEUVERING SPACE AT GATES
SCALE: 1/4" = 1'-0"

Notice of alternate billing (or payment) cycle
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CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
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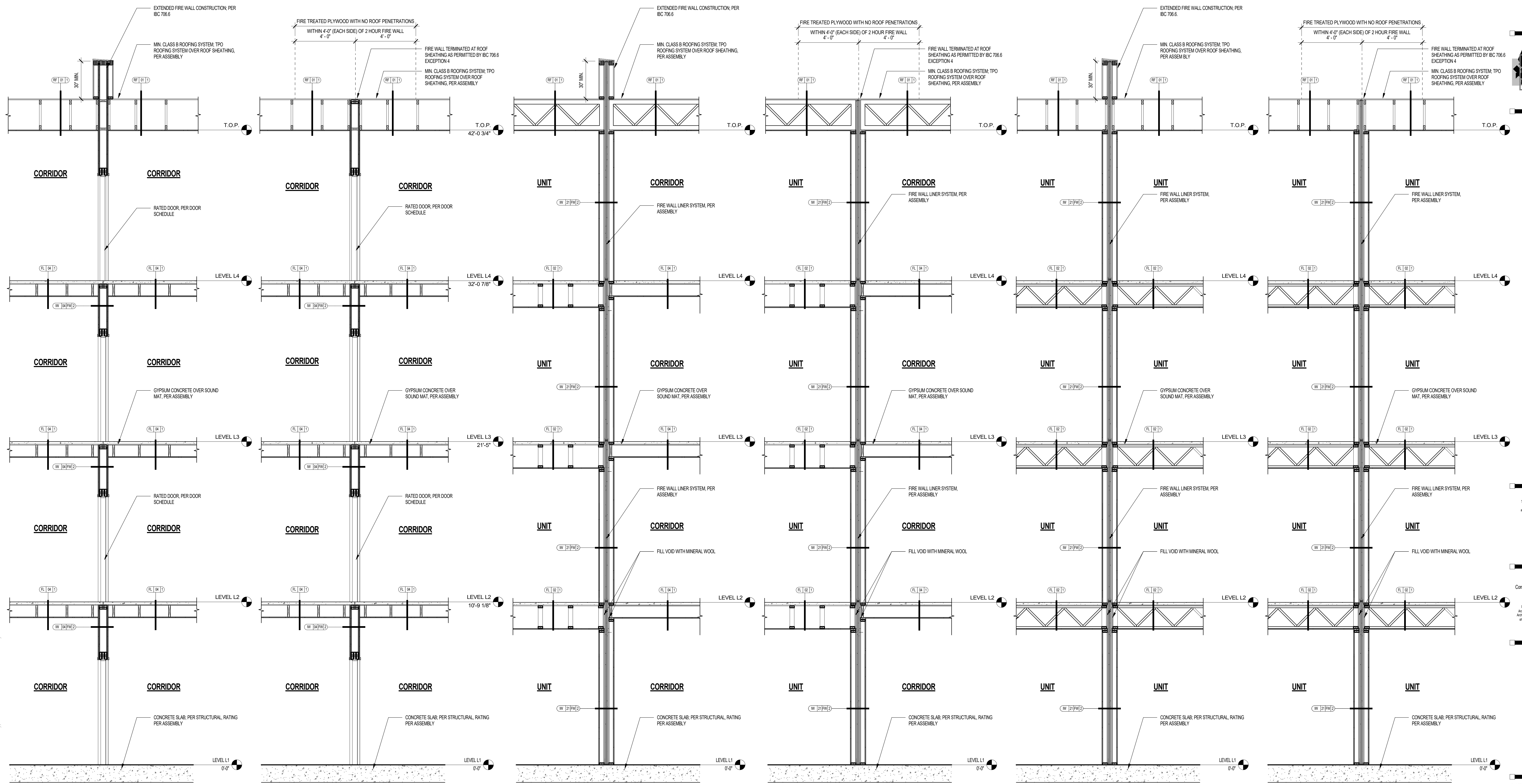
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DATE	DESCRIPTION
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000



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CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the owner to request the submission of billing or alternate billing cycle after the start of the project. The contractor shall submit the alternate billing cycle after the start of the project. A written description of the alternate billing cycle shall be provided to the owner at the time of the request.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not reproduce these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are the property of the Architect and shall remain the property of the Architect. These drawings and specifications shall not be used for any other projects, for addition to this project or for completion of this project by others except by the expressed written permission of the Architect.

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REVISIONS / SUBMITTALS	
DATE	DESCRIPTION

24 2-HR FIRE WALL @ CORRIDOR / CORRIDOR CONNECTION EXTENDED 30" ABOVE ROOF SHEATHING SCALE: 3/8" = 1'-0"

20 2-HR FIRE WALL @ CORRIDOR / CORRIDOR SCALE: 3/8" = 1'-0"

16 2-HR FIRE WALL @ UNIT / CORRIDOR EXTENDED 30" ABOVE ROOF SHEATHING SCALE: 3/8" = 1'-0"

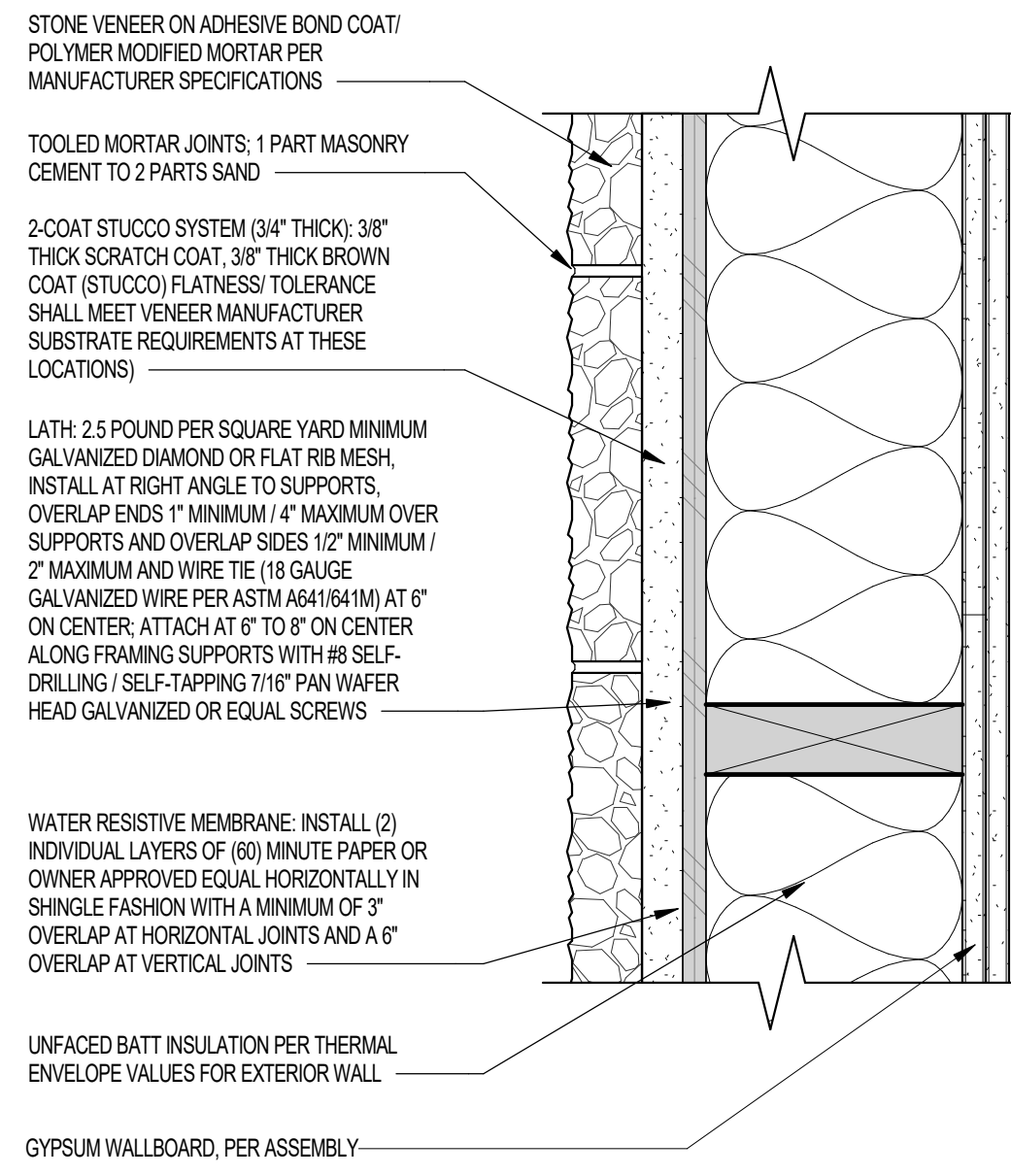
12 2-HR FIRE WALL @ UNIT / CORRIDOR SCALE: 3/8" = 1'-0"

08 2-HR FIRE WALL @ UNIT / UNIT EXTENDED 30" ABOVE ROOF SHEATHING SCALE: 3/8" = 1'-0"

04 2-HR FIRE WALL @ UNIT / UNIT SCALE: 3/8" = 1'-0"

3-HR STONE VENEER - EXTERIOR WALL
PROPRIETARY ASSEMBLY - May 25, 2022
FIRE TEST: BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 DESIGN NO V314
REFER TO UL PRODUCT WEBSITE FOR COMPLETE ASSEMBLY.

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURERS WRITTEN SPECIFICATIONS



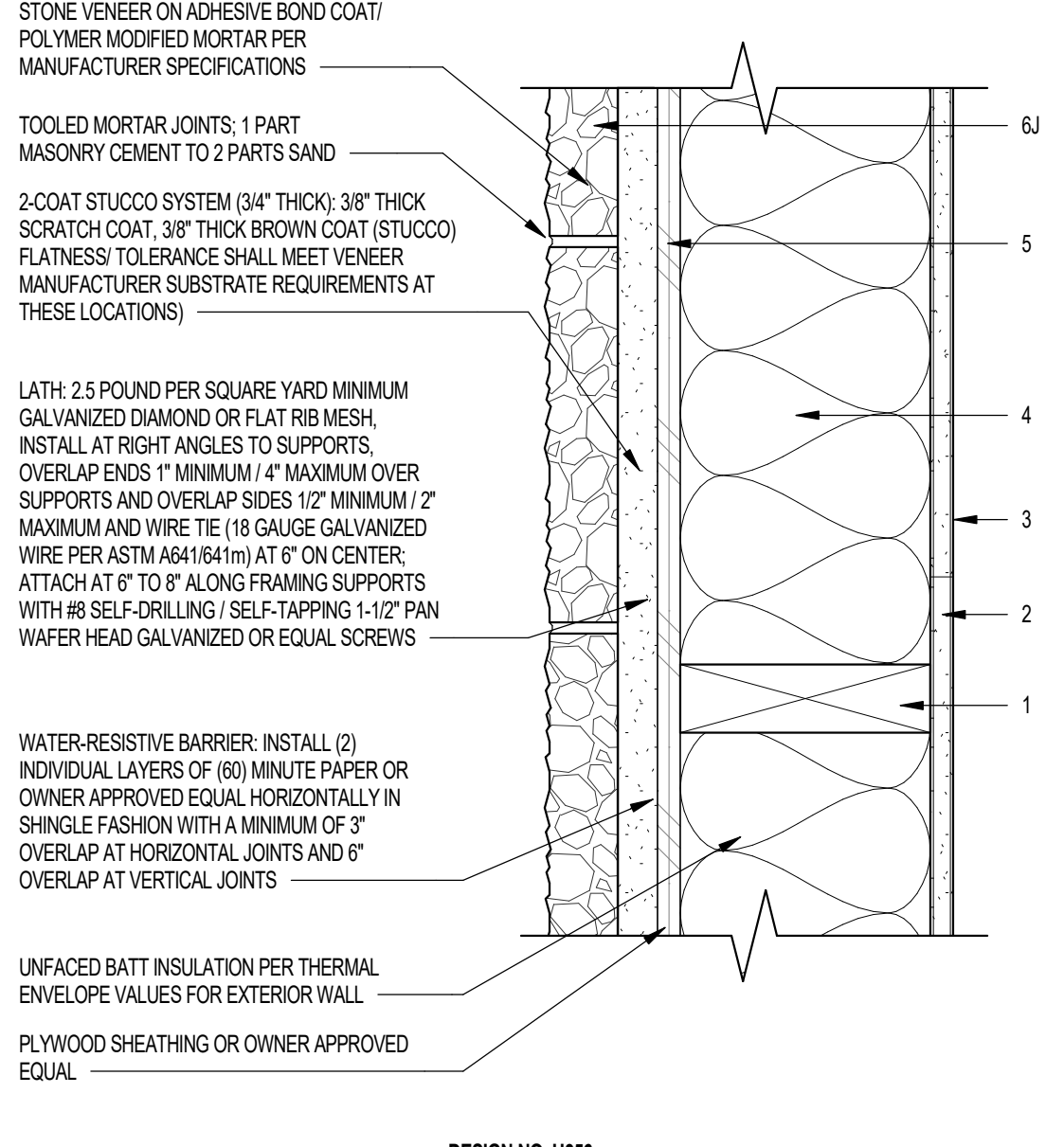
DESIGN NO. V314

BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 CERTIFIED FOR UNITED STATES

- 1. WOOD STUDS - PRESSURE-TREATED, FIRE-RETARDANT WOOD STUDS - NOMINAL 2 BY 4 IN., SPACED 16 IN. OC EFFECTIVELY FIRE STOPPED AS AN OPTION, PRESSURE-TREATED, FIRE-RETARDANT WOOD STUDS - NOMINAL 2 BY 6 IN., SPACED 24 IN. OC EFFECTIVELY FIRE STOPPED.
2. GYPSUM WALLBOARD - NOM 5/8 IN. THICK, 4 FT. WIDE, TWO LAYERS APPLIED VERTICALLY. BASE LAYER NAILED TO WOOD STUDS AND BEARING PLATES 8 IN. OC. WITH 60 CEMENT COATED NAILS, 1-7/8 IN. LONG, .0815 IN. SHANK DIAM AND 14 IN. DIAM. HEAD. THE FACE LAYER WITH JOINTS STAGGERED FROM BASE LAYER, NAILED TO THE STUDS AND BEARING PLATES OVER THE BASE LAYER, 8 IN. OC. WITH 60 CEMENT COATED NAILS, 3-3/8 IN. LONG, 0.113 IN. SHANK DIAM, 9/32 IN. DIAM. HEAD.
3. JOINTS AND NAILHEADS - GYPSUM BOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. NAIL HEADS COVERED WITH JOINT COMPOUND.
4. BATTS AND BLANKETS - FACED OR UNFACED MINERAL FIBER INSULATION, 3-1/2 IN. THICK, NOM 3.0 PCF. PRESSURE FIT IN THE WALL CAVITY BETWEEN STUD, PLATES, AND CROSS BRACING. INSULATION MAY BE APPLIED IN MULTIPLE LAYERS TO ACHIEVE FINAL THICKNESS.
5. BUILDING UNITS - PRESSURE-TREATED, FIRE-RETARDANT PLYWOOD INSTALLED VERTICALLY NAILED TO THE WOOD FRAMING WITH 1-7/8 IN. LONG, 10 NAILS SPACED 8 IN. OC. ON THE PERIMETER AND 12 IN. OC. IN THE FIELD. VERTICAL AND HORIZONTAL JOINTS ARE BACKED BY FRAMING PANELS PROVIDED IN NOMINAL SIZE OF 48 IN. WIDE BY 96 IN. LONG BY 15/32 IN. THICK.
6. EXTERIOR FACINGS - PORTLAND CEMENT OR SYNTHETIC STUCCO SYSTEMS (E.G. EFPS) WITH SELF-FURRING METAL LATH OR ADHESIVE BASE COAT. THICKNESS FROM 3/8 IN. TO 3/4 IN. DEPENDING ON SYSTEM.
7. EXTERIOR FRAMING - ONE OF THE FOLLOWING EXTERIOR FRAMINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
7A. BRICK - BRICK VENEER, MEETING THE REQUIREMENTS OF LOCAL CODE AGENCIES. BRICK VENEER ATTACHED TO THE STUDS WITH CORRUGATED METAL WALL TIES ATTACHED TO EACH STUD WITH 60 CEMENT COATED NAILS, EVERY SIXTH COURSE OF BRICKS.

1-HR STONE VENEER - EXTERIOR WALL
PROPRIETARY ASSEMBLY - January 20, 2024
FIRE TEST: BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 DESIGN NO U356
REFER TO UL PRODUCT WEBSITE FOR COMPLETE ASSEMBLY.

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURERS WRITTEN SPECIFICATIONS



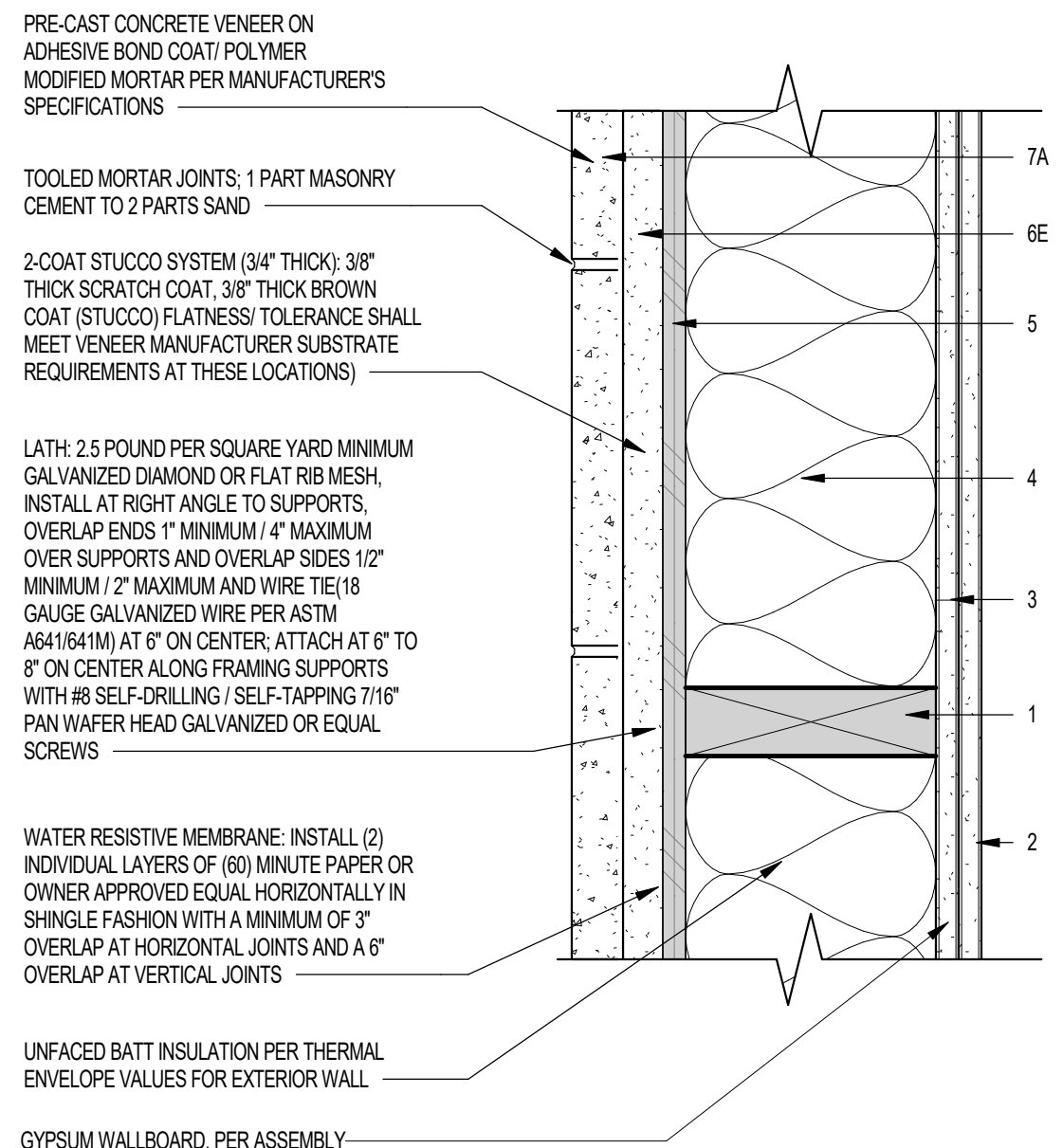
DESIGN NO. U356

BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 CERTIFIED FOR UNITED STATES

- 1. FRAMING MEMBERS - NOM 2 BY 4 IN., SPACED 16 IN. OC WITH TWO 2 BY 4 IN., TOP AND ONE 2 BY 4 IN. BOTTOM PLATES. STUDS Laterally Braced by Wood Structural Panel Sheathing (ITEM 5), WHEN MINERAL AND FIBER BOARDS (ITEM 6) ARE CONSIDERED AS BRACING FOR THE STUDS, THE LOAD IS RESTRICTED TO 70% OF ALLOWABLE AXIAL LOAD. WALLS EFFECTIVELY FIRE STOPPED AT TOP AND BOTTOM OF WALL.
2. GYPSUM BOARD - ANY 5/8 IN. THICK UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN NOS. L611, G612 OR U356. NOM 5/8 IN. THICK, 4 FT. WIDE, APPLIED VERTICALLY AND NAILED TO STUDS AND BEARING PLATES 7 IN. OC WITH 60 CEMENT COATED NAILS, 1-7/8 IN. LONG WITH 14 IN. DIAM HEAD.
3. JOINTS AND FASTENER HEADS - (NOT SHOWN) - GYPSUM BOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. FASTENER HEADS COVERED WITH JOINT COMPOUND.
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5. BUILDING UNITS - PRESSURE-TREATED, FIRE-RETARDANT PLYWOOD INSTALLED VERTICALLY NAILED TO THE WOOD FRAMING WITH 1-7/8 IN. LONG, 10 NAILS SPACED 8 IN. OC. ON THE PERIMETER AND 12 IN. OC. IN THE FIELD. VERTICAL AND HORIZONTAL JOINTS ARE BACKED BY FRAMING PANELS PROVIDED IN NOMINAL SIZE OF 48 IN. WIDE BY 96 IN. LONG BY 15/32 IN. THICK.
6. EXTERIOR FACINGS - PORTLAND CEMENT OR SYNTHETIC STUCCO SYSTEMS (E.G. EFPS) WITH SELF-FURRING METAL LATH OR ADHESIVE BASE COAT. THICKNESS FROM 3/8 IN. TO 3/4 IN. DEPENDING ON SYSTEM.
7. EXTERIOR FRAMING - ONE OF THE FOLLOWING EXTERIOR FRAMINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
7A. BRICK - BRICK VENEER, MEETING THE REQUIREMENTS OF LOCAL CODE AGENCIES. BRICK VENEER ATTACHED TO THE STUDS WITH CORRUGATED METAL WALL TIES ATTACHED TO EACH STUD WITH 60 CEMENT COATED NAILS, EVERY SIXTH COURSE OF BRICKS.

2-HR CONCRETE VENEER - EXTERIOR WALL
PROPRIETARY ASSEMBLY - May 25, 2022
FIRE TEST: BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 DESIGN NO V314
REFER TO UL PRODUCT WEBSITE FOR COMPLETE ASSEMBLY.

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURERS WRITTEN SPECIFICATIONS



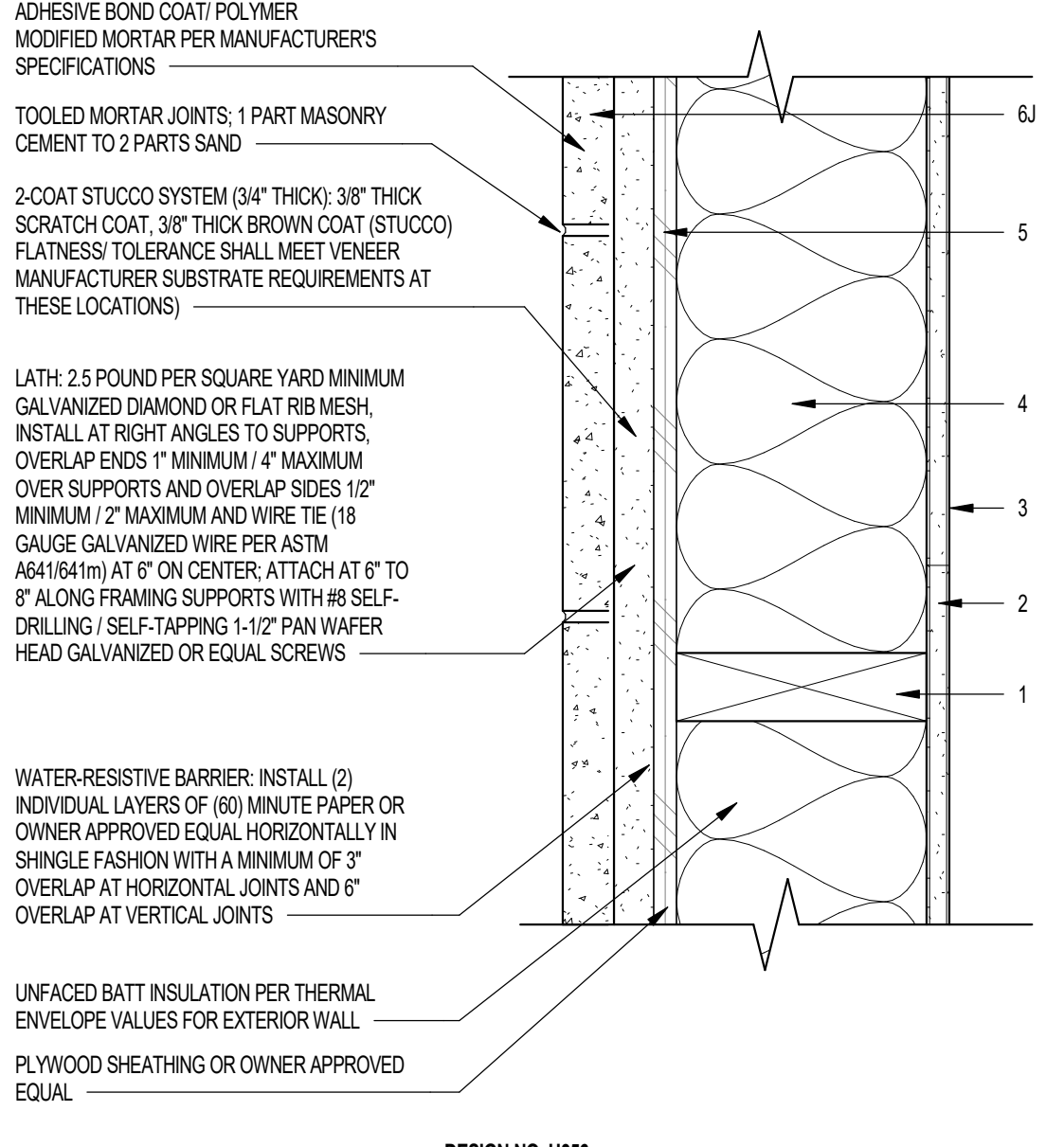
DESIGN NO. V314

BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 CERTIFIED FOR UNITED STATES

- 1. WOOD STUDS - PRESSURE-TREATED, FIRE-RETARDANT WOOD STUDS - NOMINAL 2 BY 4 IN., SPACED 16 IN. OC EFFECTIVELY FIRE STOPPED AS AN OPTION, PRESSURE-TREATED, FIRE-RETARDANT WOOD STUDS - NOMINAL 2 BY 6 IN., SPACED 24 IN. OC EFFECTIVELY FIRE STOPPED.
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1-HR CONCRETE VENEER - EXTERIOR WALL
PROPRIETARY ASSEMBLY - January 20, 2024
FIRE TEST: BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 DESIGN NO U356
REFER TO UL PRODUCT WEBSITE FOR COMPLETE ASSEMBLY.

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURERS WRITTEN SPECIFICATIONS



DESIGN NO. U356

BKJ.V - FIRE RESISTANCE RATINGS - ANSUL 263 CERTIFIED FOR UNITED STATES

- 1. FRAMING MEMBERS - NOM 2 BY 4 IN., SPACED 16 IN. OC WITH TWO 2 BY 4 IN. TOP AND ONE 2 BY 4 IN. BOTTOM PLATES. STUDS Laterally Braced by Wood Structural Panel Sheathing (ITEM 5), WHEN MINERAL AND FIBER BOARDS (ITEM 6) ARE CONSIDERED AS BRACING FOR THE STUDS, THE LOAD IS RESTRICTED TO 70% OF ALLOWABLE AXIAL LOAD. WALLS EFFECTIVELY FIRE STOPPED AT TOP AND BOTTOM OF WALL.
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4. BATTS AND BLANKETS - FACED OR UNFACED MINERAL FIBER INSULATION, 3-1/2 IN. THICK, PRESSURE FIT TO FILL WALL CAVITIES BETWEEN STUDS AND PLATES. MINERAL FIBER INSULATION TO BE UNFACED AND TO HAVE A MIN DENSITY OF 3 PCF. GLASS FIBER INSULATION TO BE FACED WITH ALUMINUM FOL OR KRAFT PAPER AND TO HAVE A MIN DENSITY OF 0.9 PCF (MIN R-13 THERMAL INSULATION RATING).
5. BUILDING UNITS - PRESSURE-TREATED, FIRE-RETARDANT PLYWOOD INSTALLED VERTICALLY NAILED TO THE WOOD FRAMING WITH 1-7/8 IN. LONG, 10 NAILS SPACED 8 IN. OC. ON THE PERIMETER AND 12 IN. OC. IN THE FIELD. VERTICAL AND HORIZONTAL JOINTS ARE BACKED BY FRAMING PANELS PROVIDED IN NOMINAL SIZE OF 48 IN. WIDE BY 96 IN. LONG BY 15/32 IN. THICK.
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EW 74 SAME AS EW 73 EXCEPT USE 1/2\"/>

EW 72 SAME AS EW 71 EXCEPT USE 1/2\"/>

EW 69 SAME AS EW 68 EXCEPT USE 1/2\"/>

EW 67 SAME AS EW 66 EXCEPT USE 1/2\"/>

Project Name 1
Project Name 2

Street Address
City, State



PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the owner to request the admission of change or otherwise to billing cycle after the first date. This contract shall also allow the owner to request an alternate billing schedule after certification and approval of billing and estimates. A written notification of such other billing cycle applies to the project or schedule from the owner or the architect's design/program.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written notification or request.

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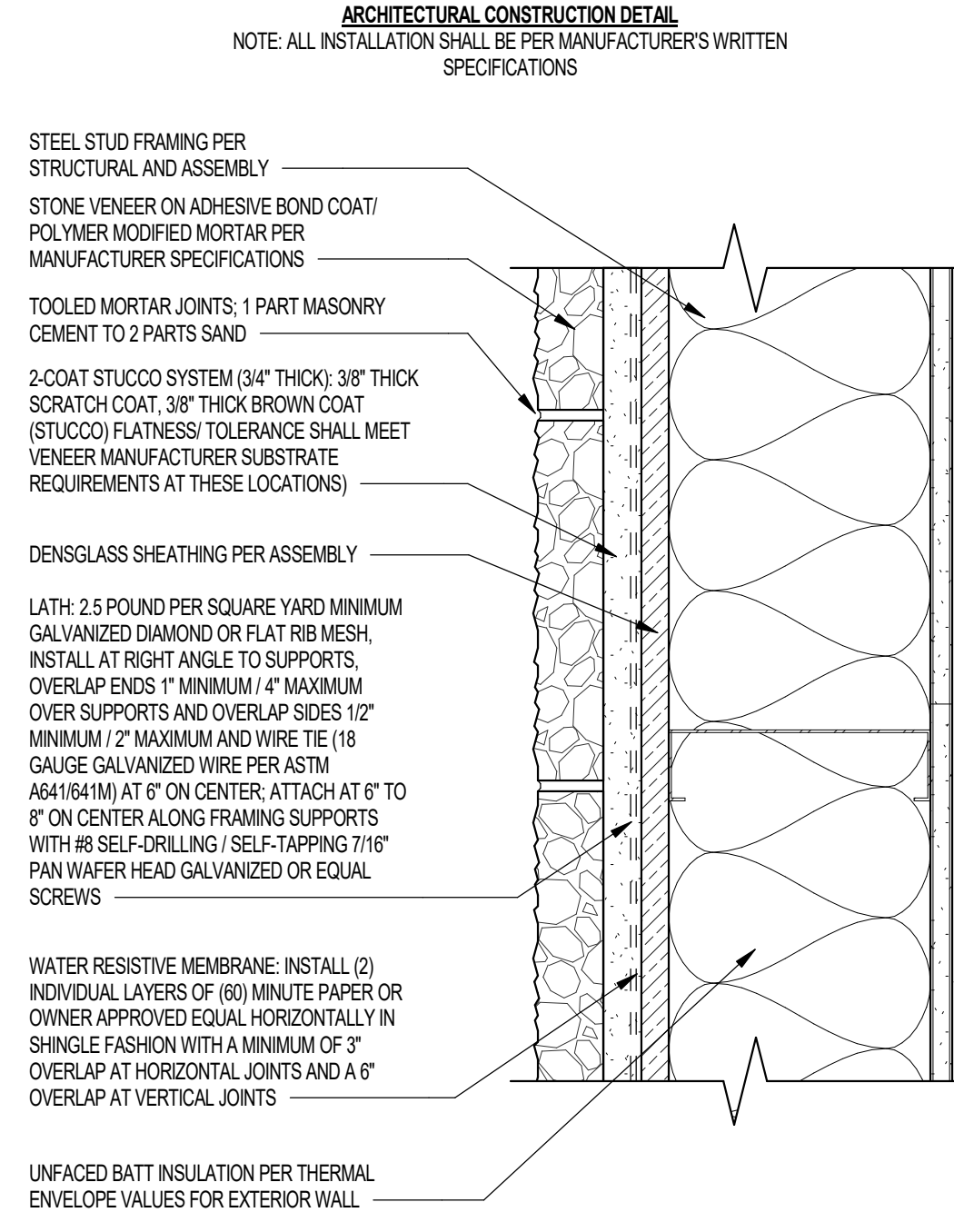
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REVISIONS/SUBMITTALS
DATE DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.1.13
FIRE ASSEMBLIES - EXTERIOR
WOOD FRAMING

1-HR STONE VENEER EXTERIOR WALL
PROPRIETARY ASSEMBLY - UNITED STATES GYPSUM CO - June 2021
FIRE TEST: GA WP 8006



GYPSUM ASSOC. FILE NO. WP 8006

GYPSUM WALLBOARD, GLASS MAT GYPSUM PANELS, STEEL STUDS, INSULATION	THICKNESS:	4-3/4" (FIRE)
	APPROX. WEIGHT:	6 PSF (FIRE)
	FIRE TEST:	UL R360, 01N21103, 0124-02; UL R2717, 07N08079, 9-18-08; UL R1316, 476828206, 4-25-15 UL DESIGN L463

FIRE DESIGN:

EXTERIOR SIDE - ONE LAYER 5/8 INCH PROPRIETARY TYPE X GLASS MAT GYPSUM SUBSTRATE (SHEATHING) APPLIED PARALLEL TO 3-1/2 INCH, 33 MIL STEEL STUDS 24 INCH ON CENTER WITH 1/2 INCH TYPE S-12, SELF-DRILLING, CORROSION RESISTANT, BUGLE-HEAD, SCREWS 1/2 INCH ON CENTER STUDS ATTACHED TO BOTH VERTICAL LEGS OF FLOOR AND CEILING JOINTS EITHER BY WELDING OR WITH 1/2 INCH TYPE S-2 PAN HEAD SCREWS. MINERAL OR GLASS FIBER INSULATION FRICTION FIT INTO THE STUD SPACE. EXTERIOR CLADDING TO BE ATTACHED THROUGH GLASS MAT GYPSUM PANEL TO STUDS.

INTERIOR SIDE - ONE LAYER 5/8 INCH PROPRIETARY TYPE X GYPSUM WALLBOARD APPLIED PARALLEL TO STUDS WITH 1/2 INCH TYPE S-12 SCREWS 1/2 INCH ON CENTER.

BRACING - ALL DESIGN DETAILS ENHANCING THE STRUCTURAL INTEGRITY OF THE WALL ASSEMBLY, INCLUDING THE AXIAL DESIGN LOAD OF THE STUDS, SHALL BE AS SPECIFIED BY THE STEEL STUD DESIGNER AND/OR PRODUCER, AND SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE LOCAL CODE AGENCIES. WEDGES REQUIRED FOR LATERAL SUPPORT OF STUDS, SUPPORT MAY BE PROVIDED BY MEANS OF STEEL STRAPS, CHANNELS OR OTHER SIMILAR MEANS AS SPECIFIED IN THE STRUCTURAL DESIGN. TESTED AT 100 PERCENT OF DESIGN LOAD. (LOAD BEARING)

- PROPRIETARY GYPSUM PANEL PRODUCTS**
- CERTANTEED GYPSUM INC.
 - 5/8" Certain Teed® Type X Gypsum Board
 - 5/8" Certain Teed® Guard® Sheathing Type X Gypsum Panels
 - GEORGIA-PACIFIC GYPSUM LLC
 - 5/8" ToughRock® Fraguard® Gypsum Board
 - 5/8" OneClass® Fraguard® Sheathing
 - PARCO® GYPSUM
 - 5/8" PLANE CURB® Type X
 - 5/8" PARCO® CLASS® Sheathing Type X
 - UNITED STATES GYPSUM COMPANY
 - 5/8" Sheetrock® Brand EcoSmart® Panels Firecode® X
 - 5/8" Sheetrock® Brand UltraLight® Glass-Mat Sheathing Firecode® X

EM 72 SAME AS EM 71 EXCEPT USE 1/2" STUCCO SYSTEM OVER 1/2" SHEATHING INSTEAD OF INTERIOR GYPSUM WALLBOARD. NO RATING REQUIRED.

STONE VENEER AT 1-HR RATED EXTERIOR WALL - METAL FRAMING

EM 71 GA WP 8006 SCALE: 3/8" = 1'-0"

Project Name 1
Project Name 2

Street Address
City, State



WorldHQ@ORBArch.com

PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle

This contract allows (they allow) the owner to request the admission of billing or alternate in billing cycle after the first date. This contract will allow the owner to make payment on other alternate schedule after certification and approval of billing and estimates. A written decision of such other billing cycle applies to the project or schedule from the owner or the owner's design agent or

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER

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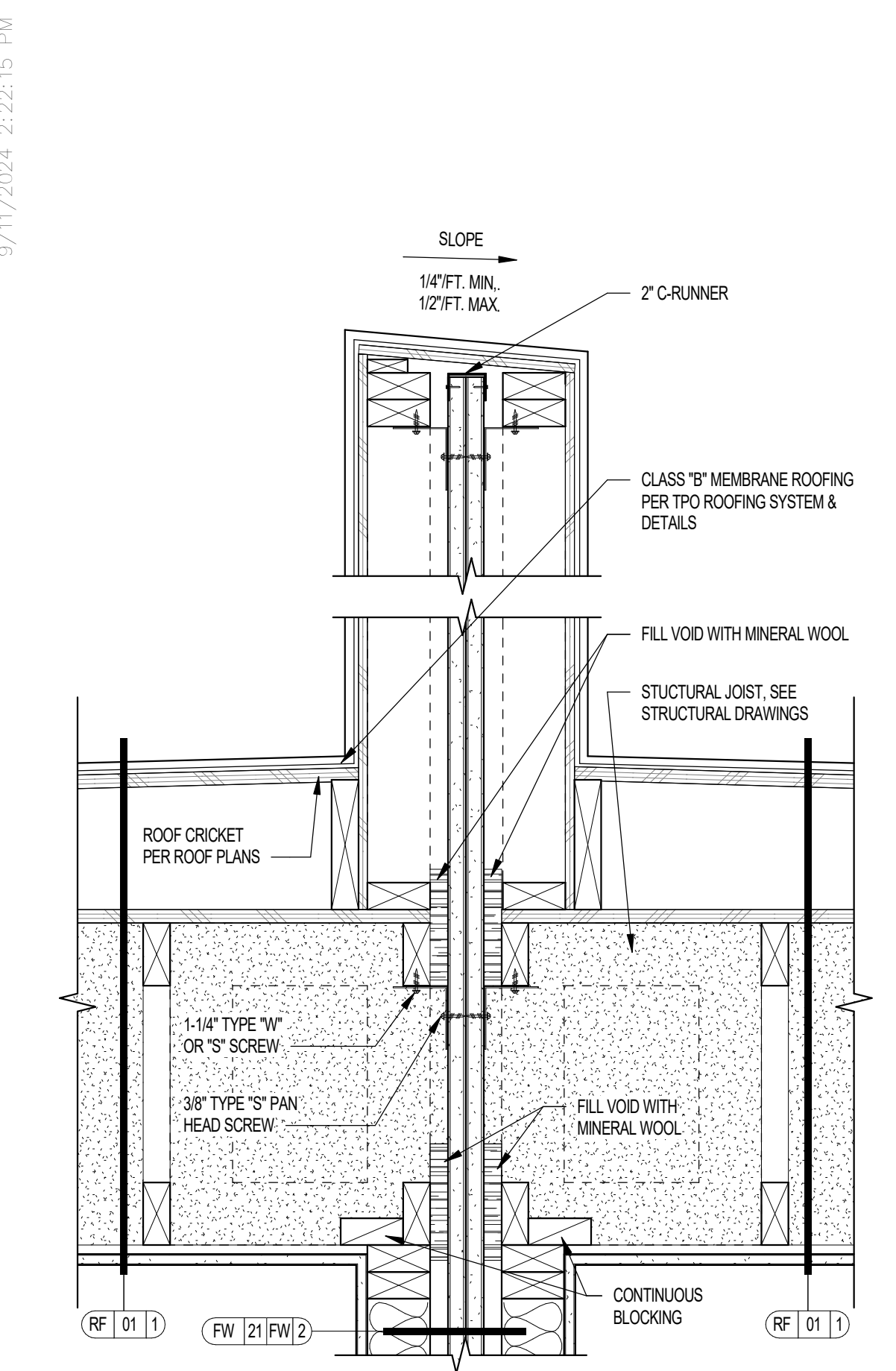
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REVISIONS/SUBMITTALS

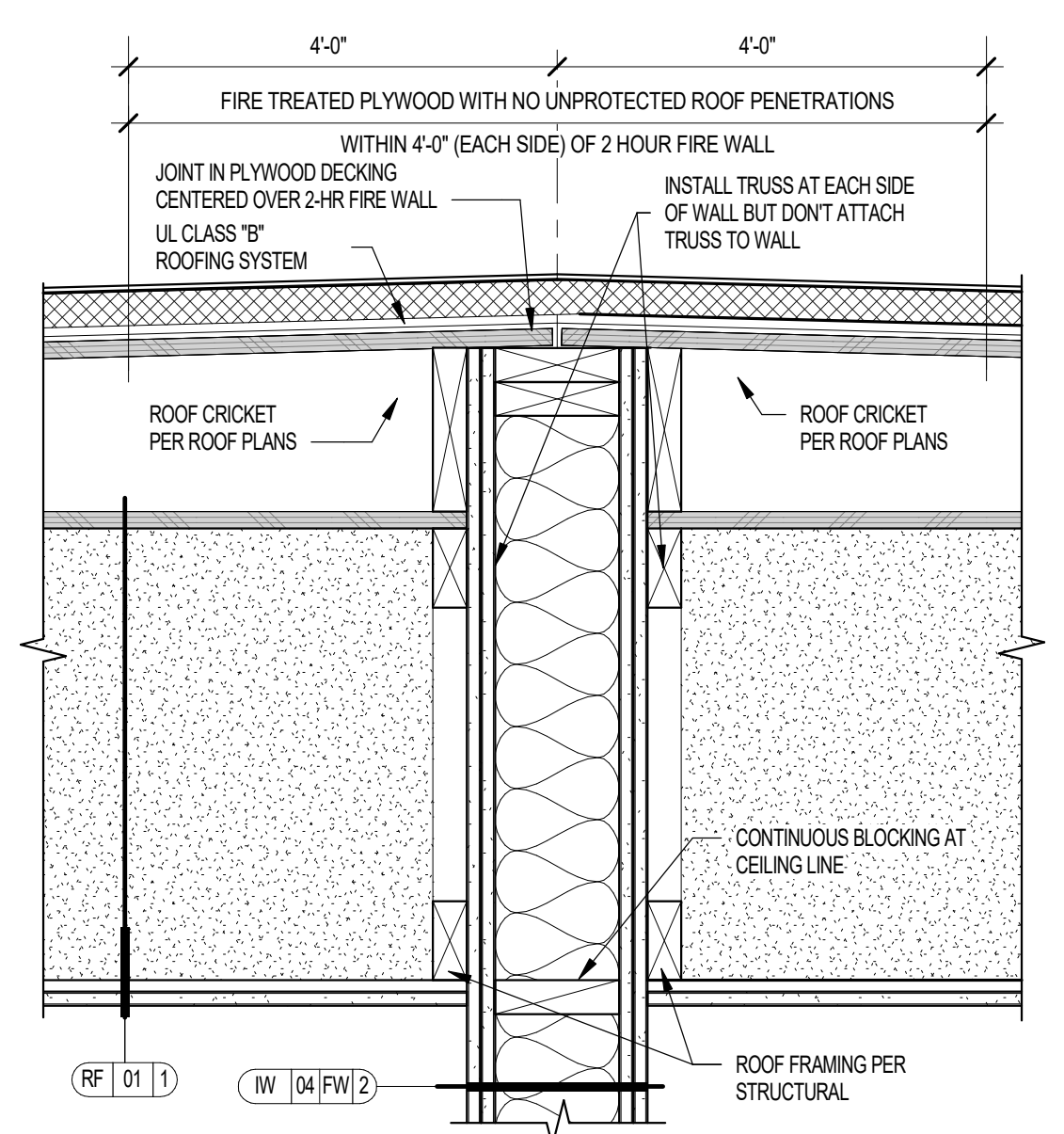
DATE	DESCRIPTION
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

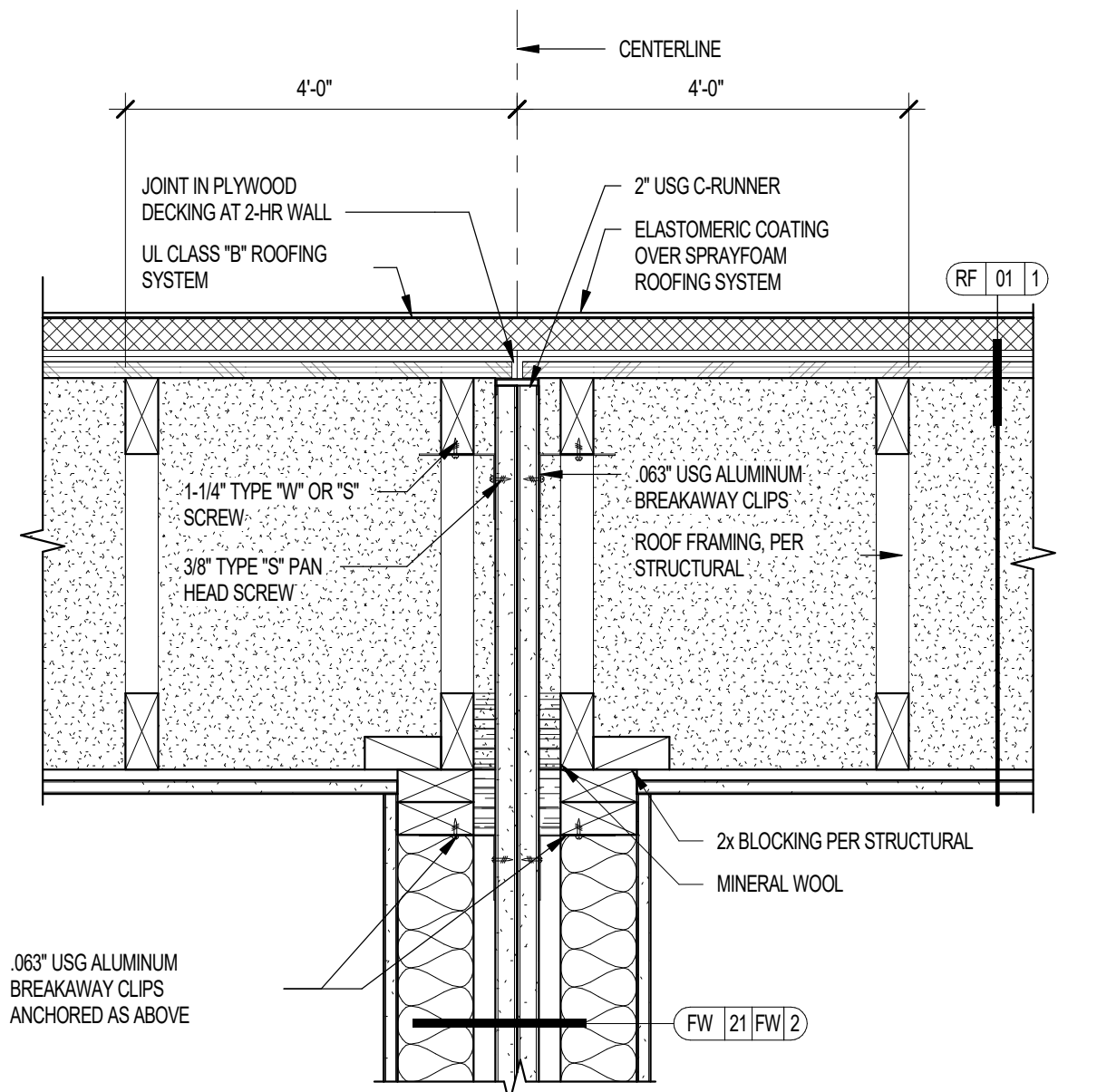
A7.1.22
FIRE ASSEMBLIES - EXTERIOR METAL FRAMING



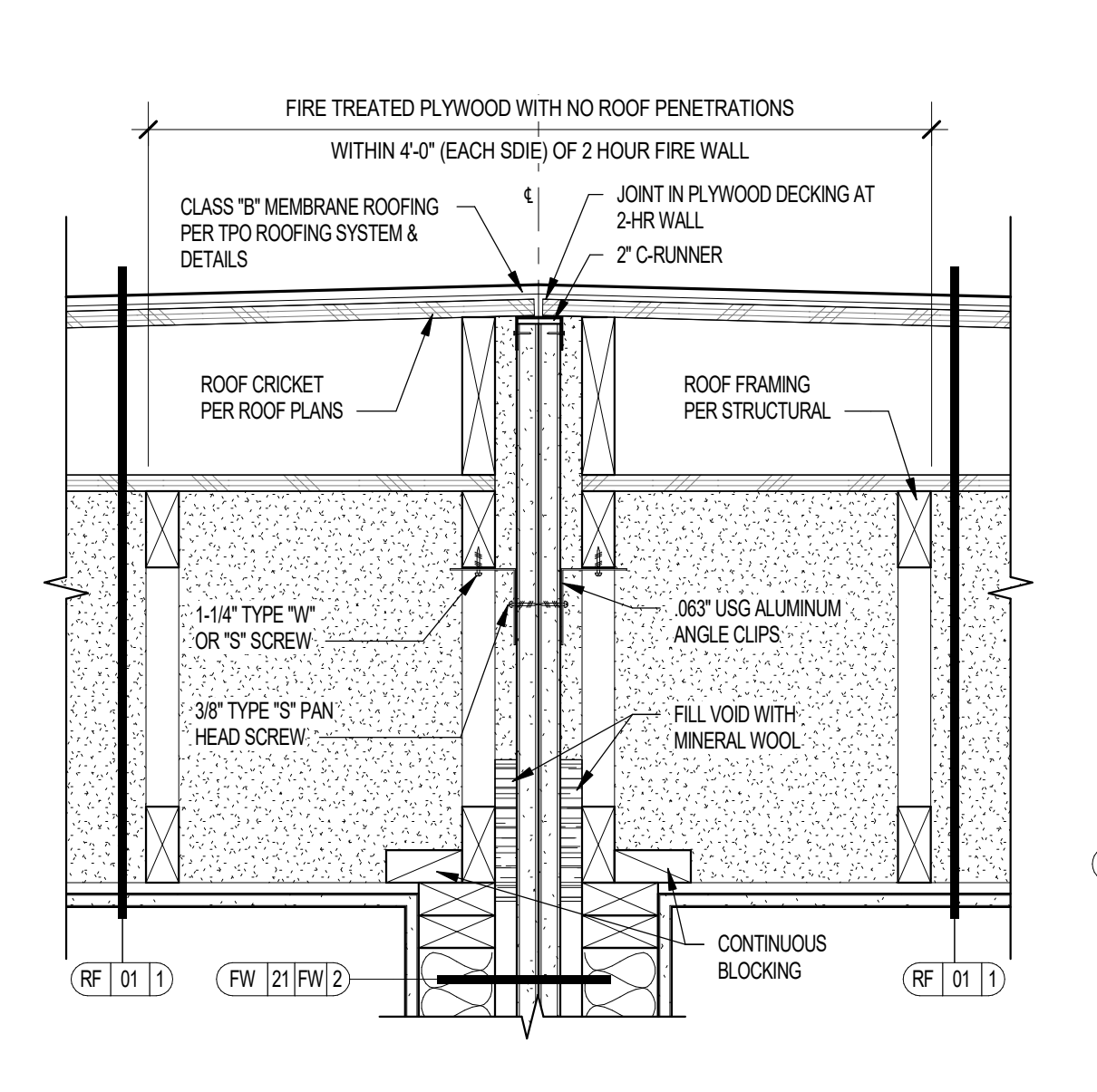
17 2-HR FIRE WALL AT 1-HR ROOF/CEILING - AT SPRAYFOAM ROOFING SYSTEM SCALE: 1/12" = 1'-0"



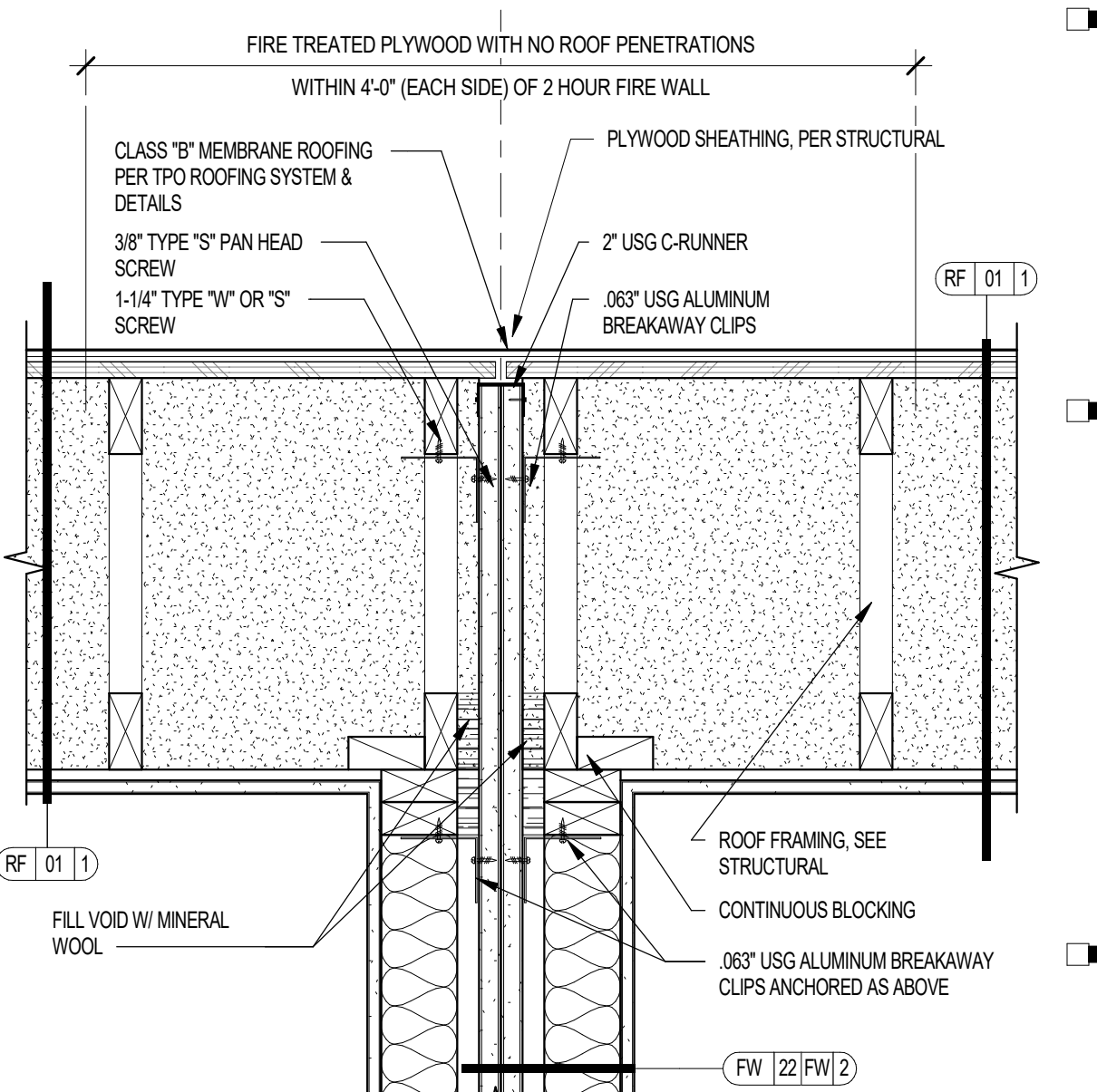
13 2-HR FIRE WALL AT 1-HR ROOF/CEILING AT CRICKET - AT SPRAYFOAM ROOFING SYSTEM SCALE: 1/12" = 1'-0"



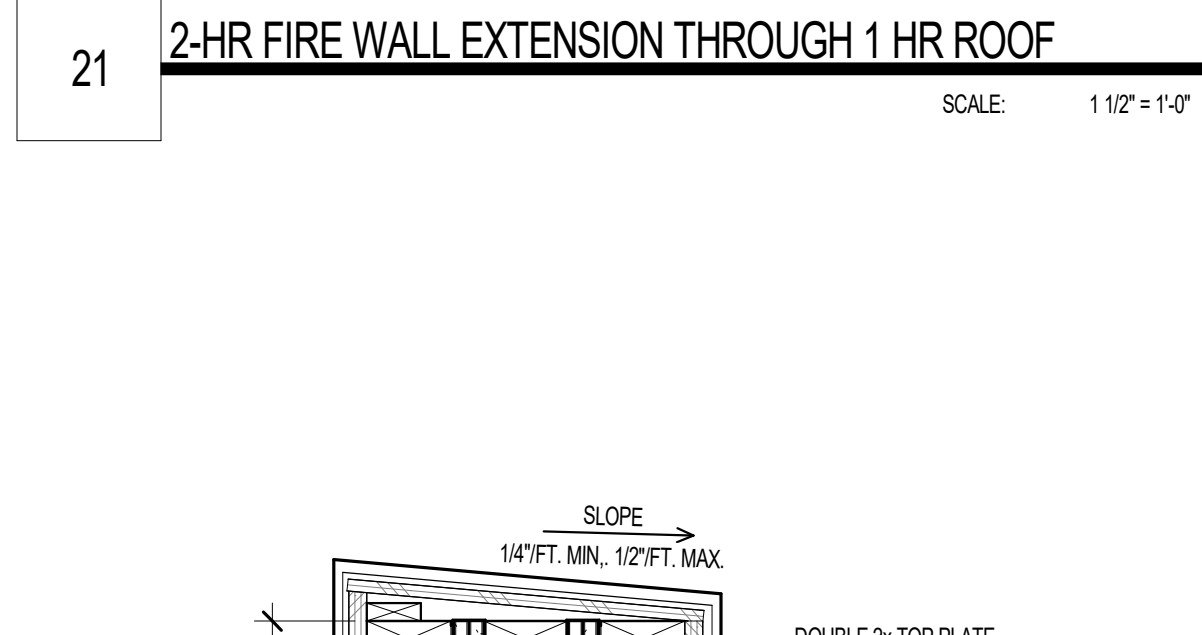
09 2-HR FIRE WALL AT 1-HR ROOF/CEILING - AT SPRAYFOAM ROOFING SYSTEM SCALE: 1/12" = 1'-0"



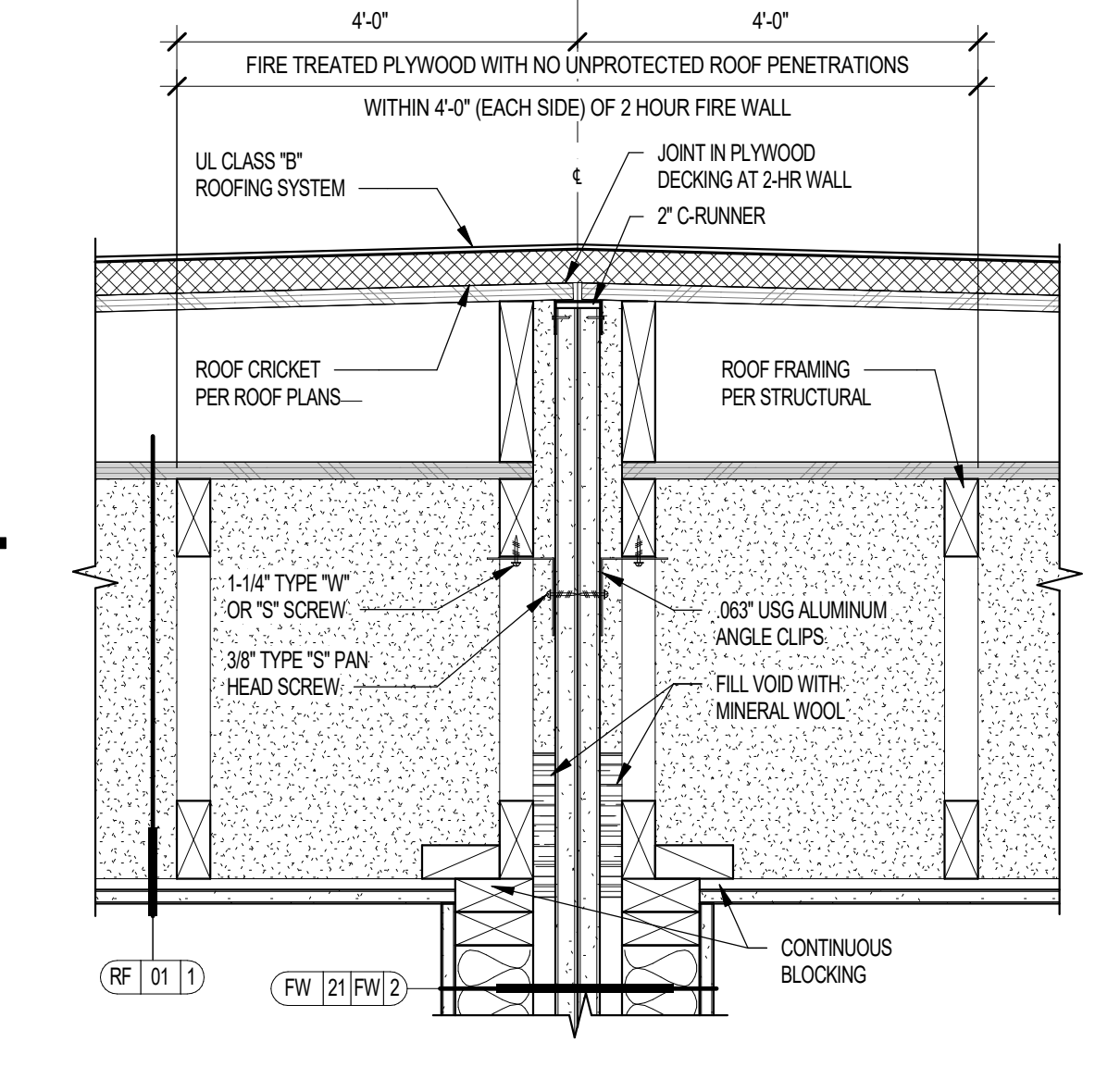
05 2-HR FIRE WALL AT 1-HR ROOF/CEILING AT CRICKET SCALE: 1/12" = 1'-0"



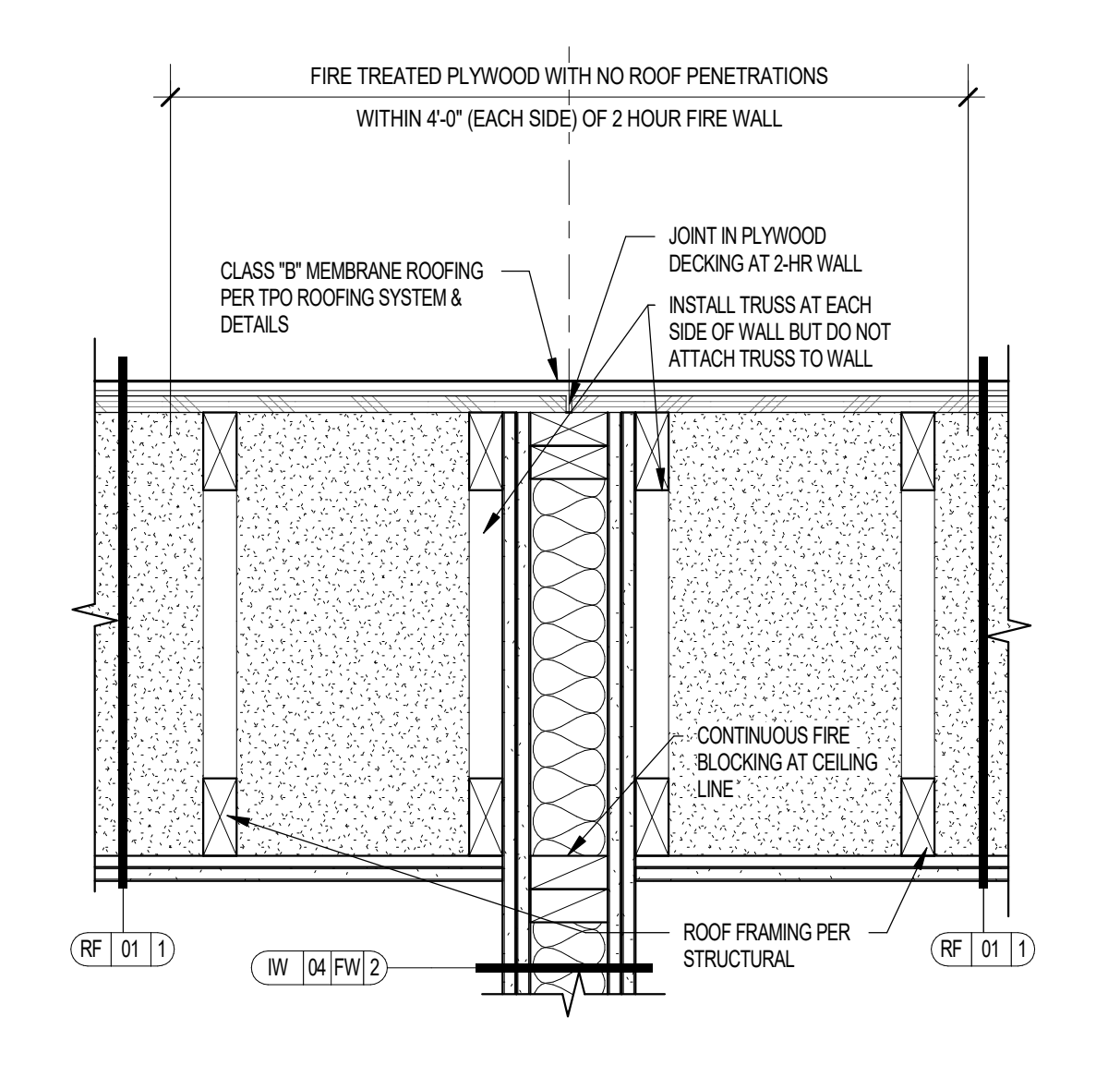
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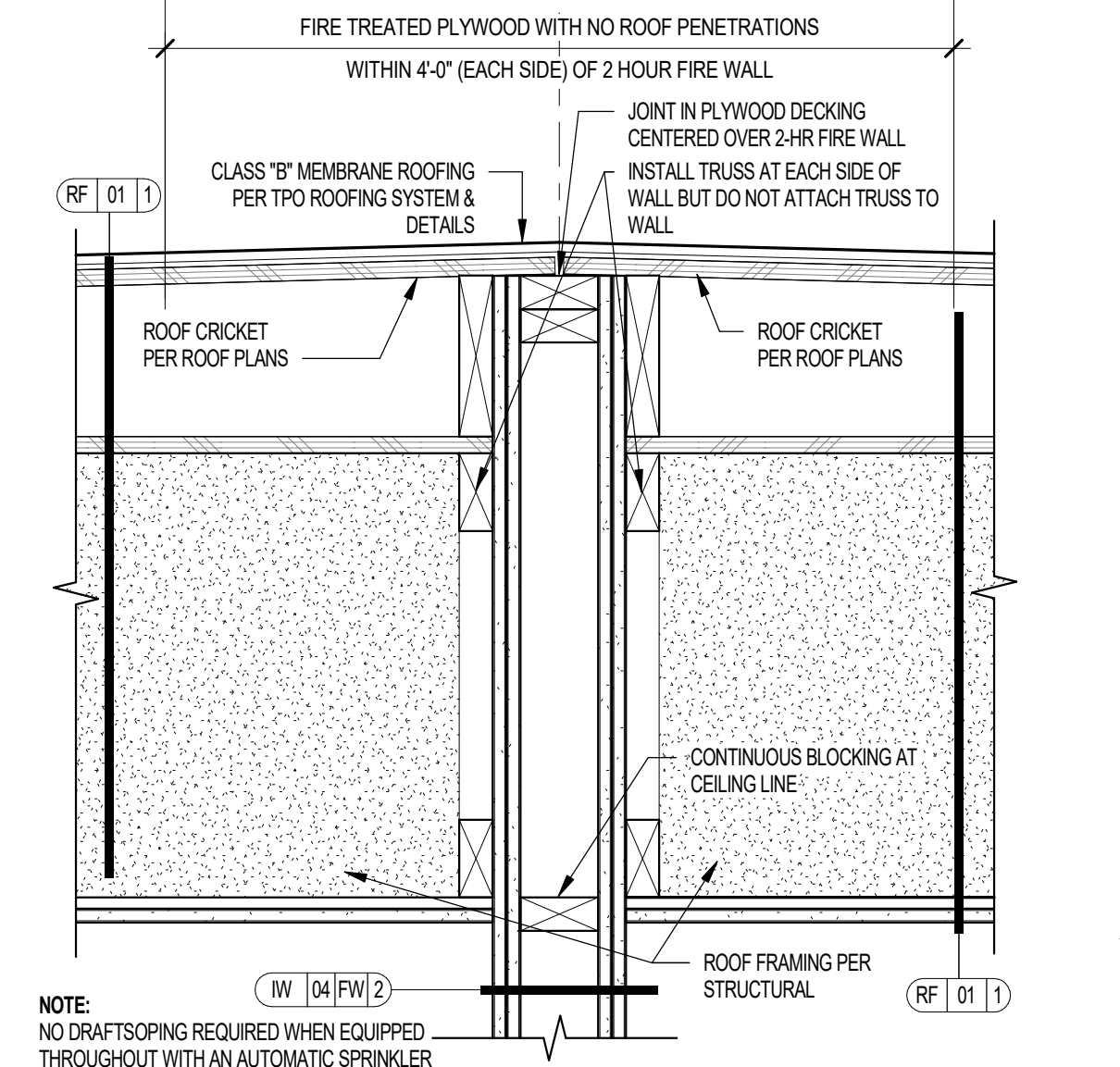
21 2-HR FIRE WALL EXTENSION THROUGH 1 HR ROOF SCALE: 1/12" = 1'-0"



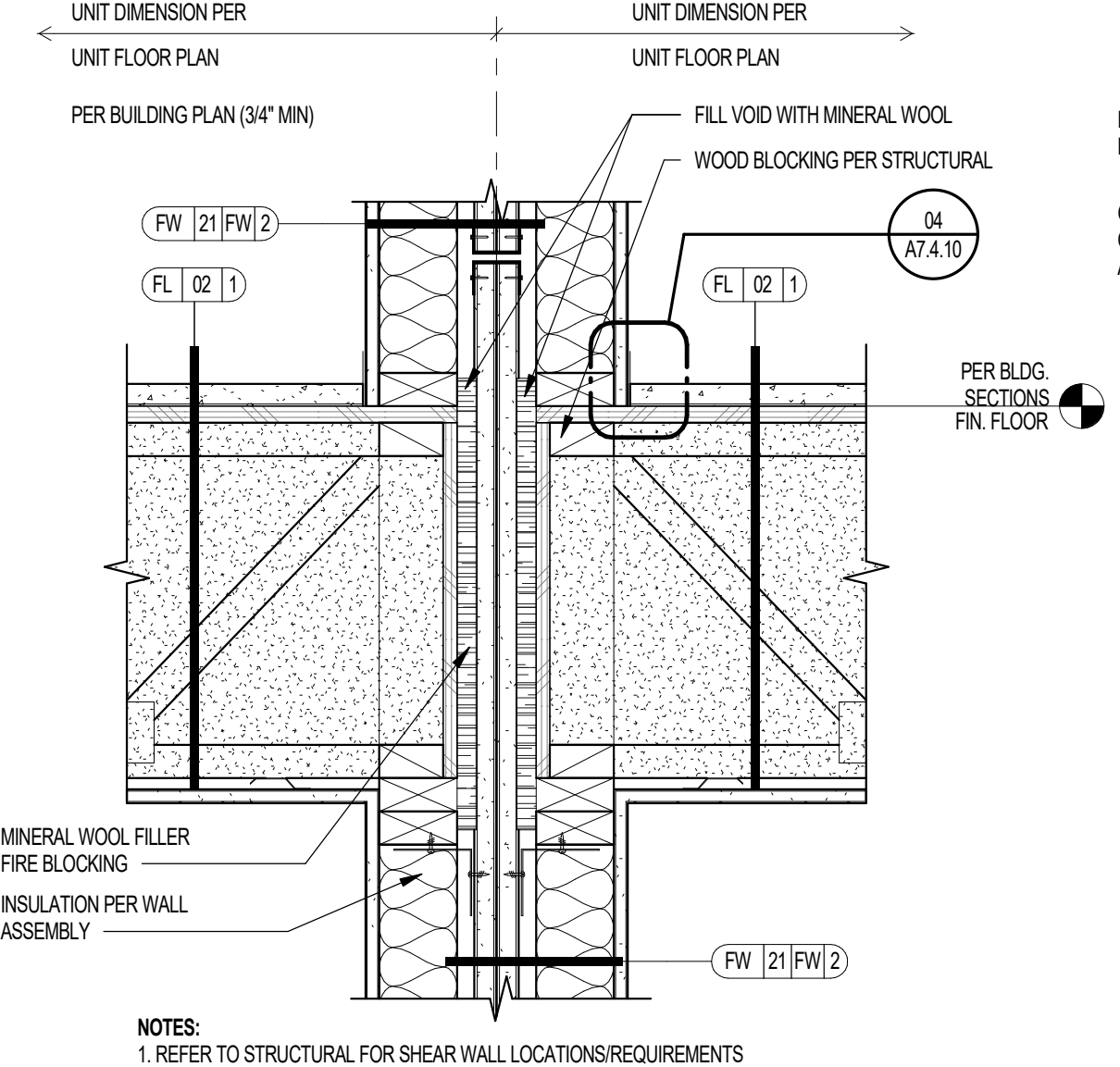
18 2-HR FIRE WALL AT 1-HR ROOF/CEILING AT CRICKET - AT SPRAYFOAM ROOFING SYSTEM SCALE: 1/12" = 1'-0"



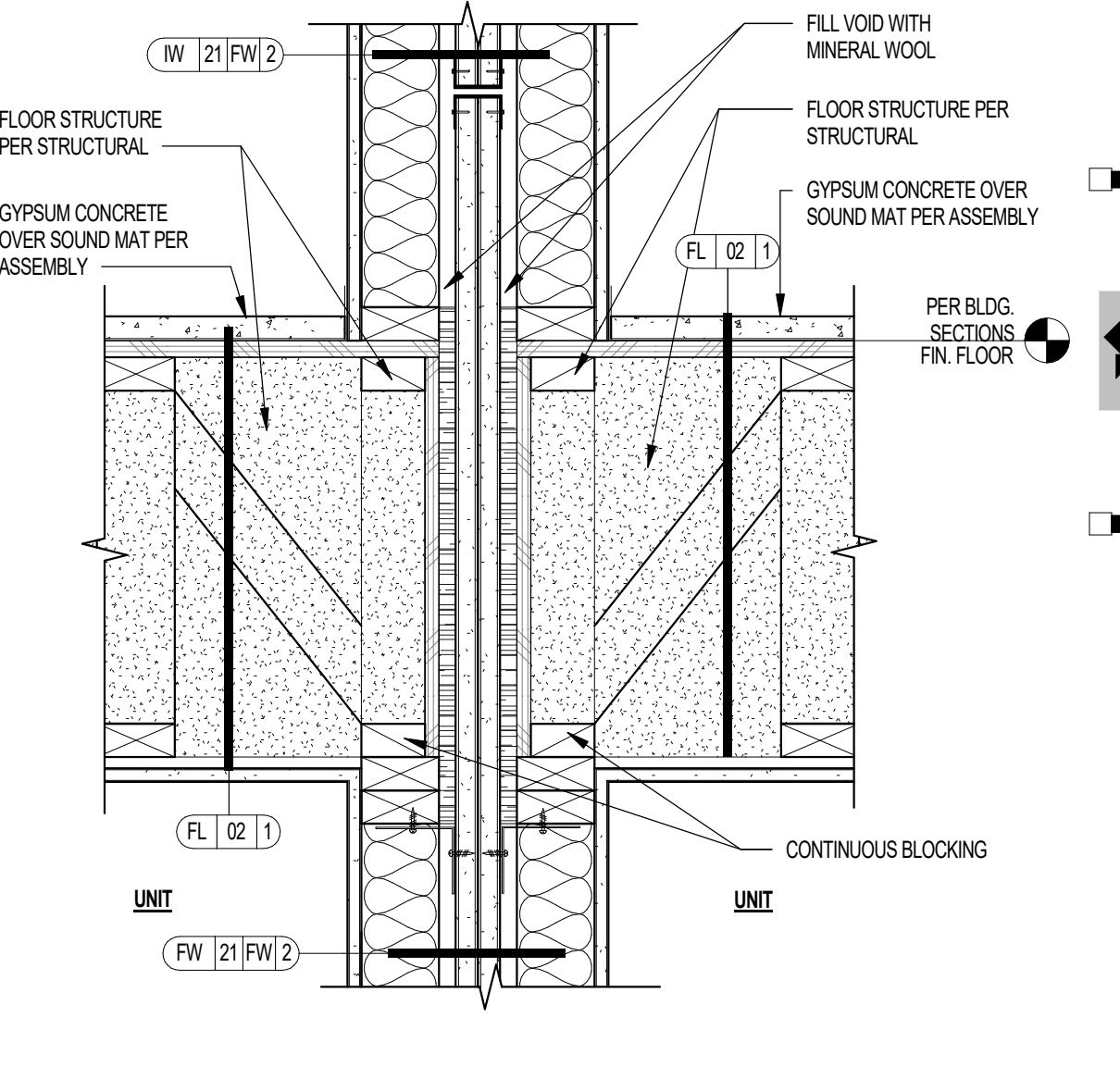
14 2-HR FIRE WALL AT 1-HR ROOF/CEILING SCALE: 1/12" = 1'-0"



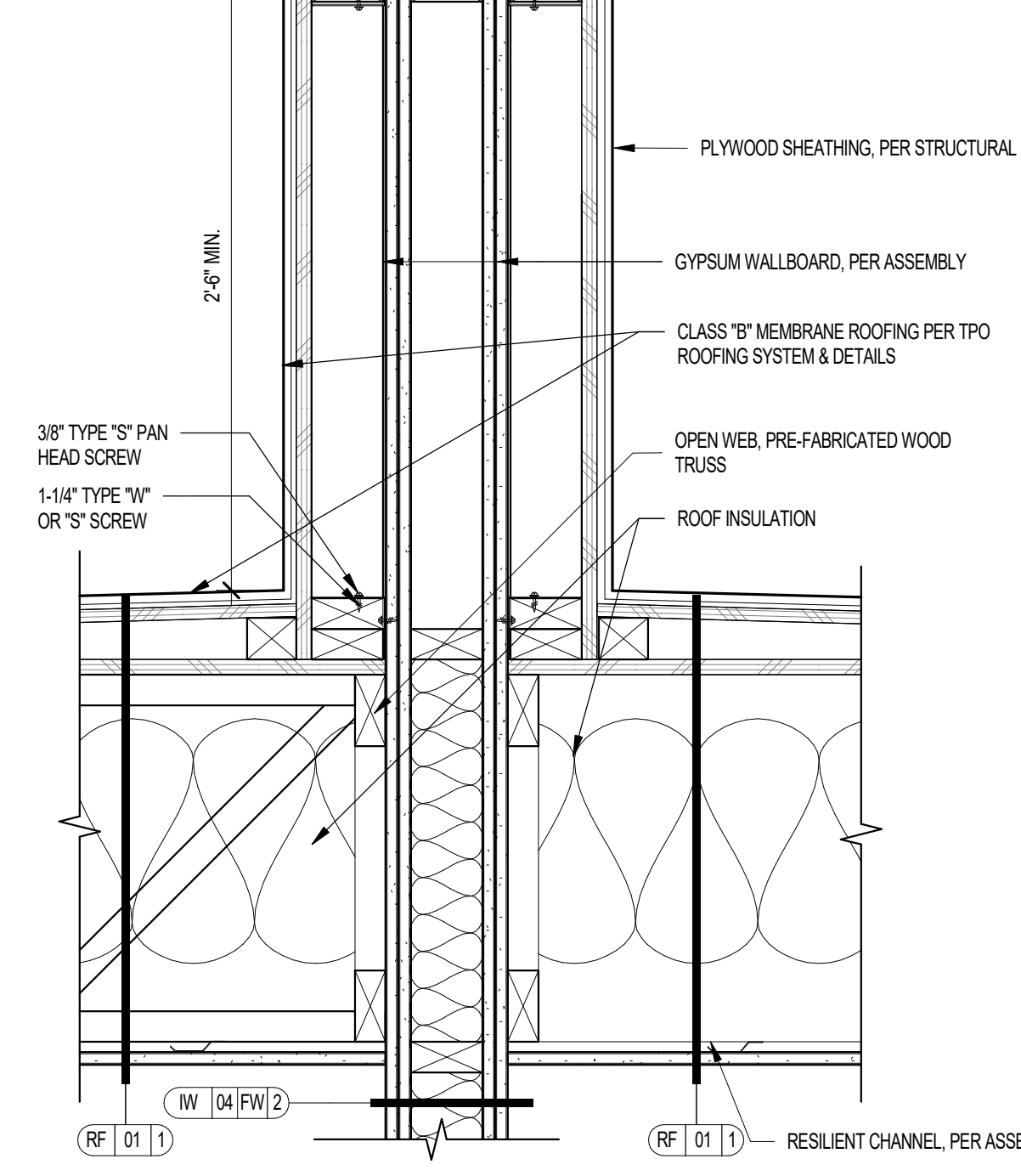
10 2-HR FIRE WALL AT 1-HR ROOF/CEILING AT CRICKET SCALE: 1/12" = 1'-0"



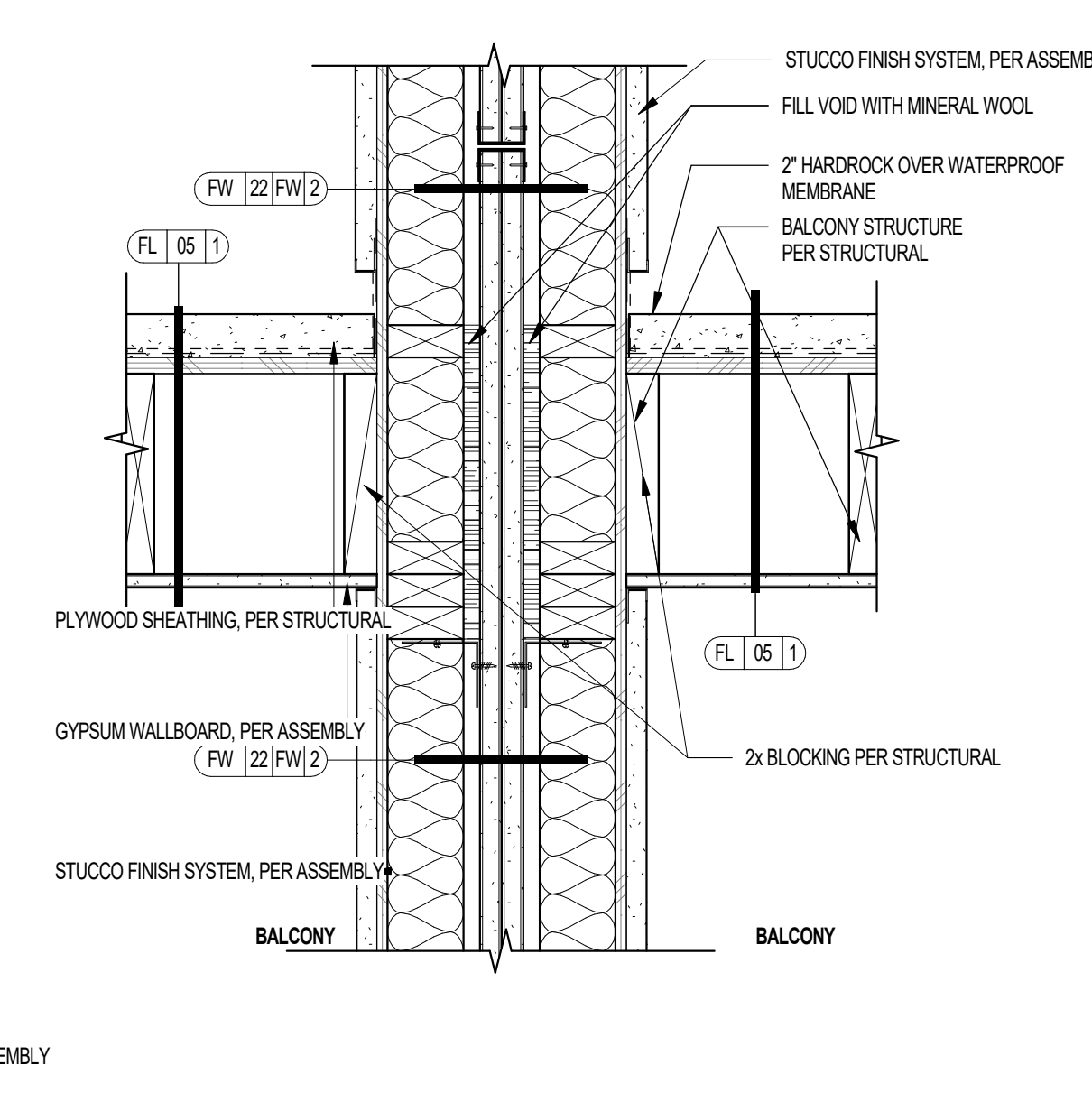
06 2-HR FIRE WALL AT 1-HR FLOOR / CEILING PERPENDICULAR TO FLOOR TRUSSES SCALE: 1/12" = 1'-0"



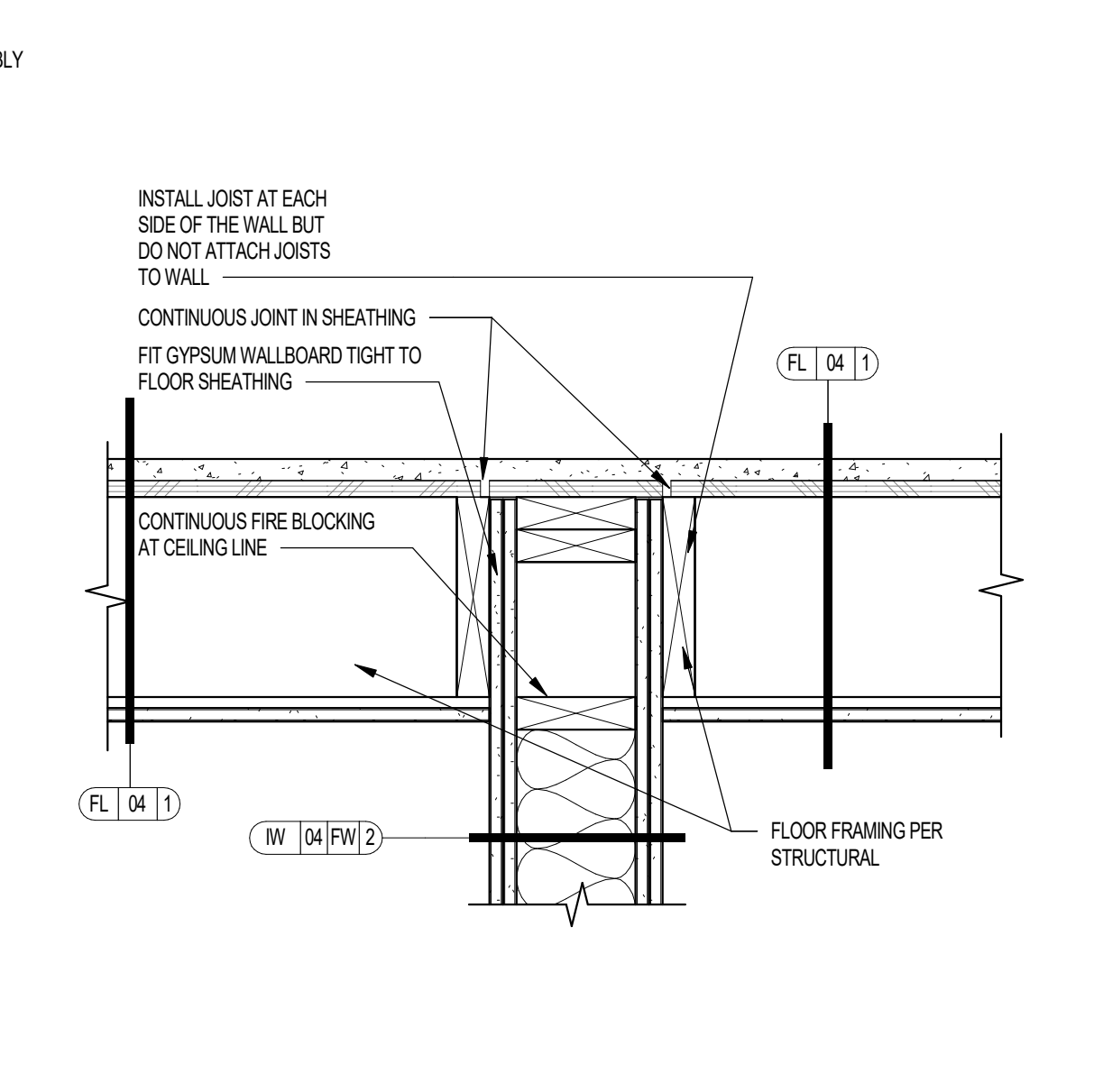
02 2-HR FIRE WALL AT 1-HR FLOOR / CEILING PARALLEL TO FLOOR TRUSSES SCALE: 1/12" = 1'-0"



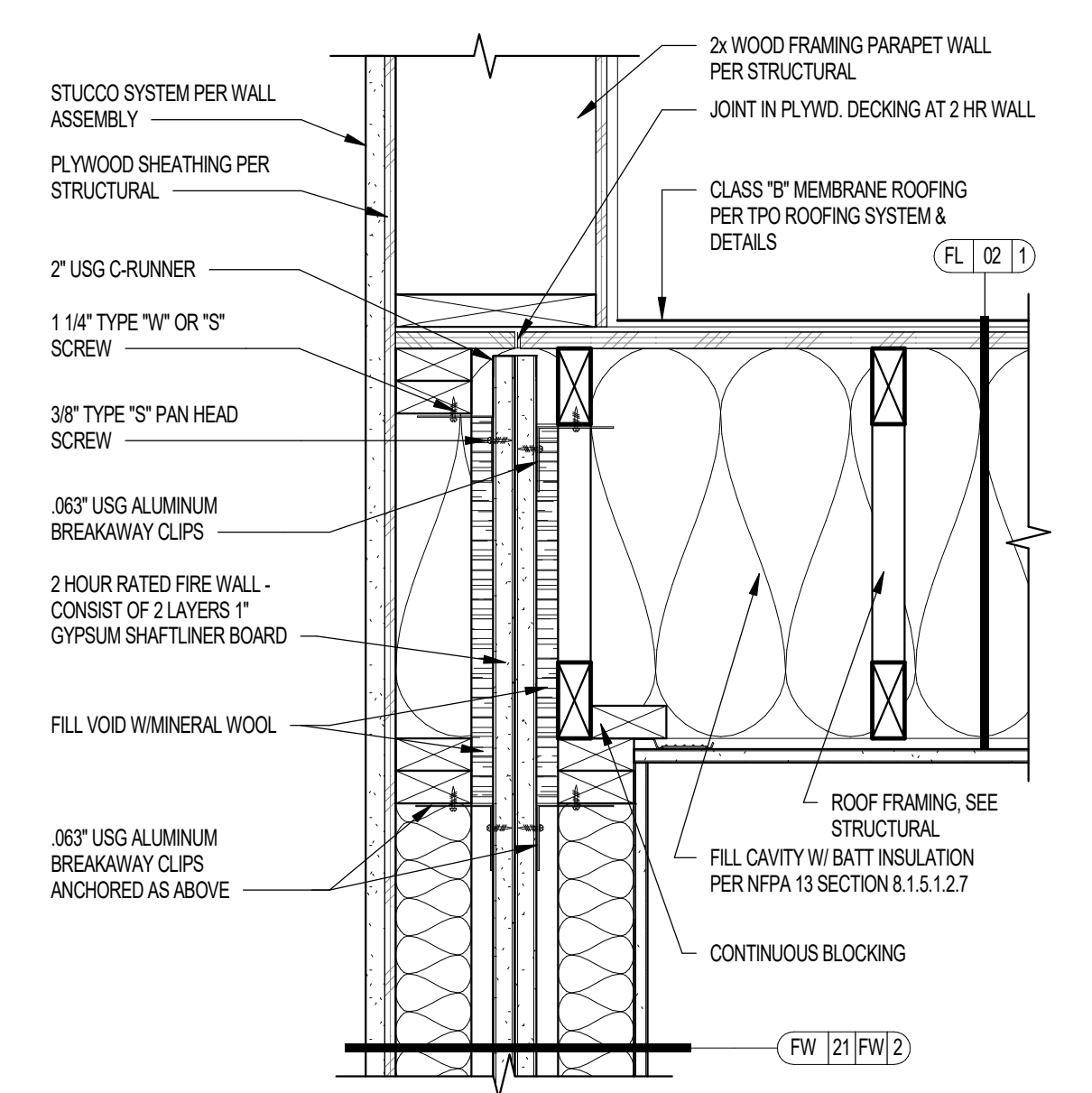
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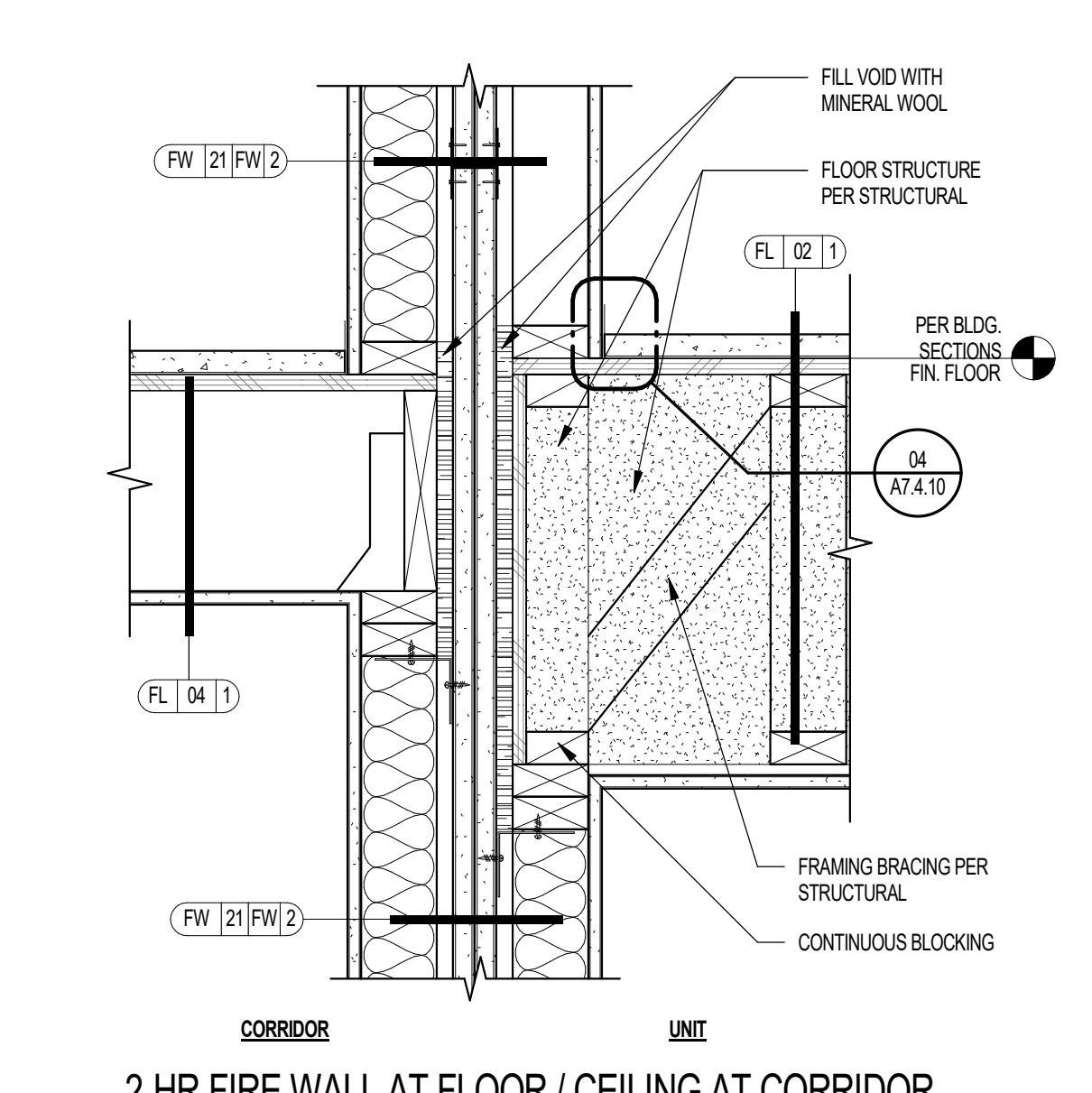
19 2-HR FIRE WALL AT BALCONY SCALE: 1/12" = 1'-0"



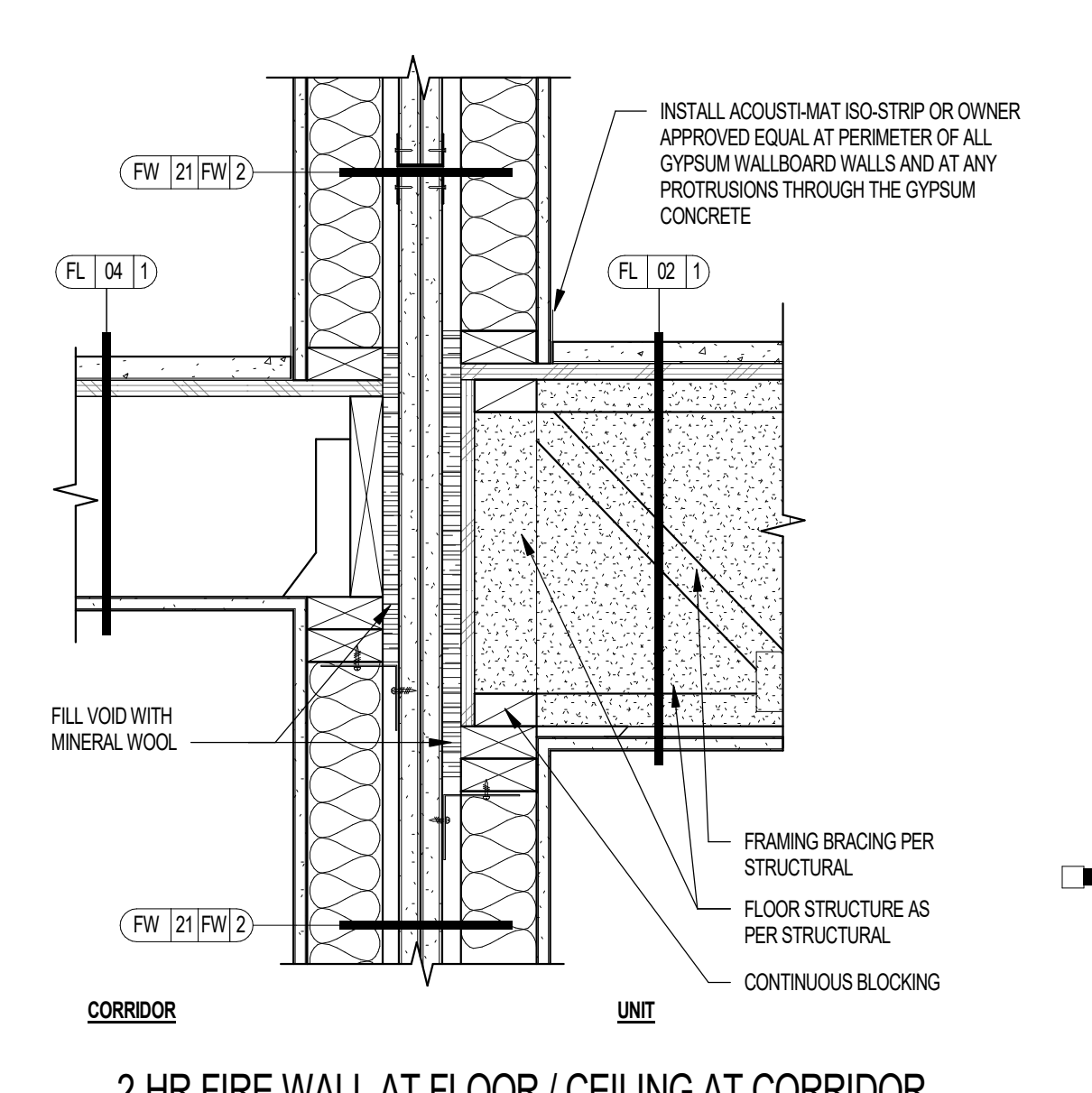
15 2-HR FIRE WALL AT 1-HR CORRIDOR FLOOR / CEILING SCALE: 1/12" = 1'-0"



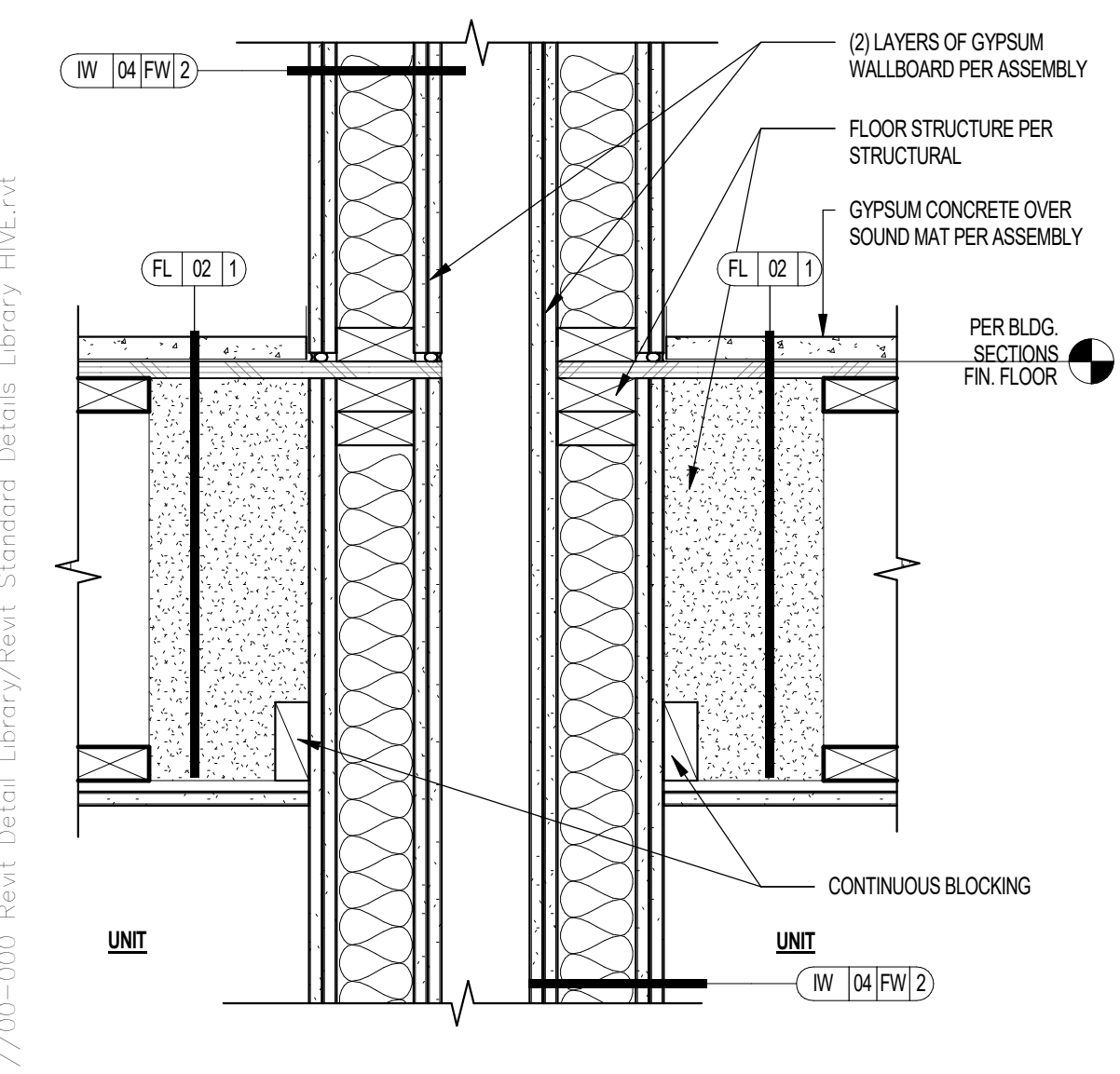
11 2-HR FIRE WALL EXTERIOR AT 1-HR ROOF/CEILING SCALE: 1/12" = 1'-0"



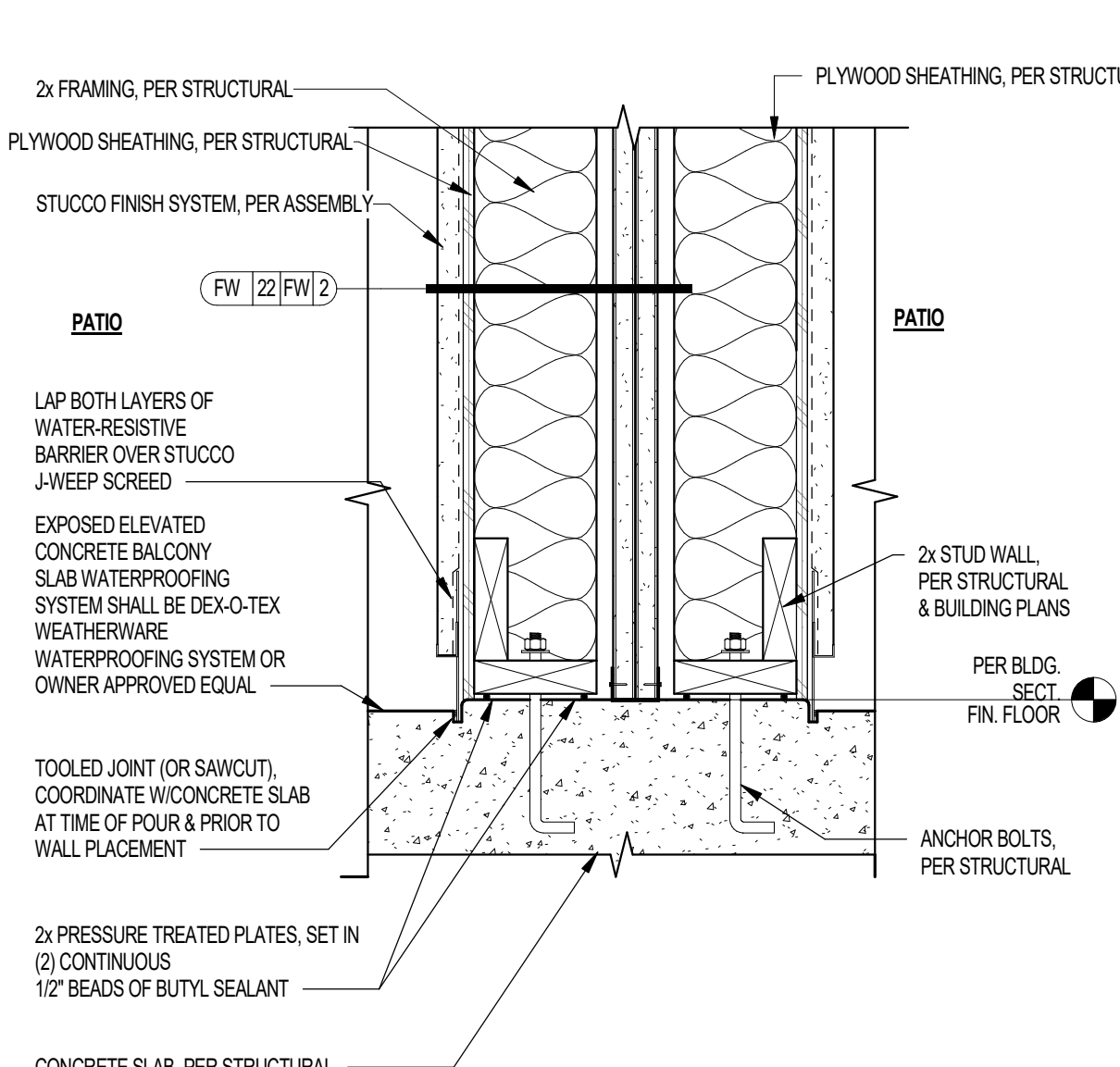
07 2-HR FIRE WALL AT FLOOR / CEILING AT CORRIDOR PERPENDICULAR FLOOR TRUSSES SCALE: 1/12" = 1'-0"



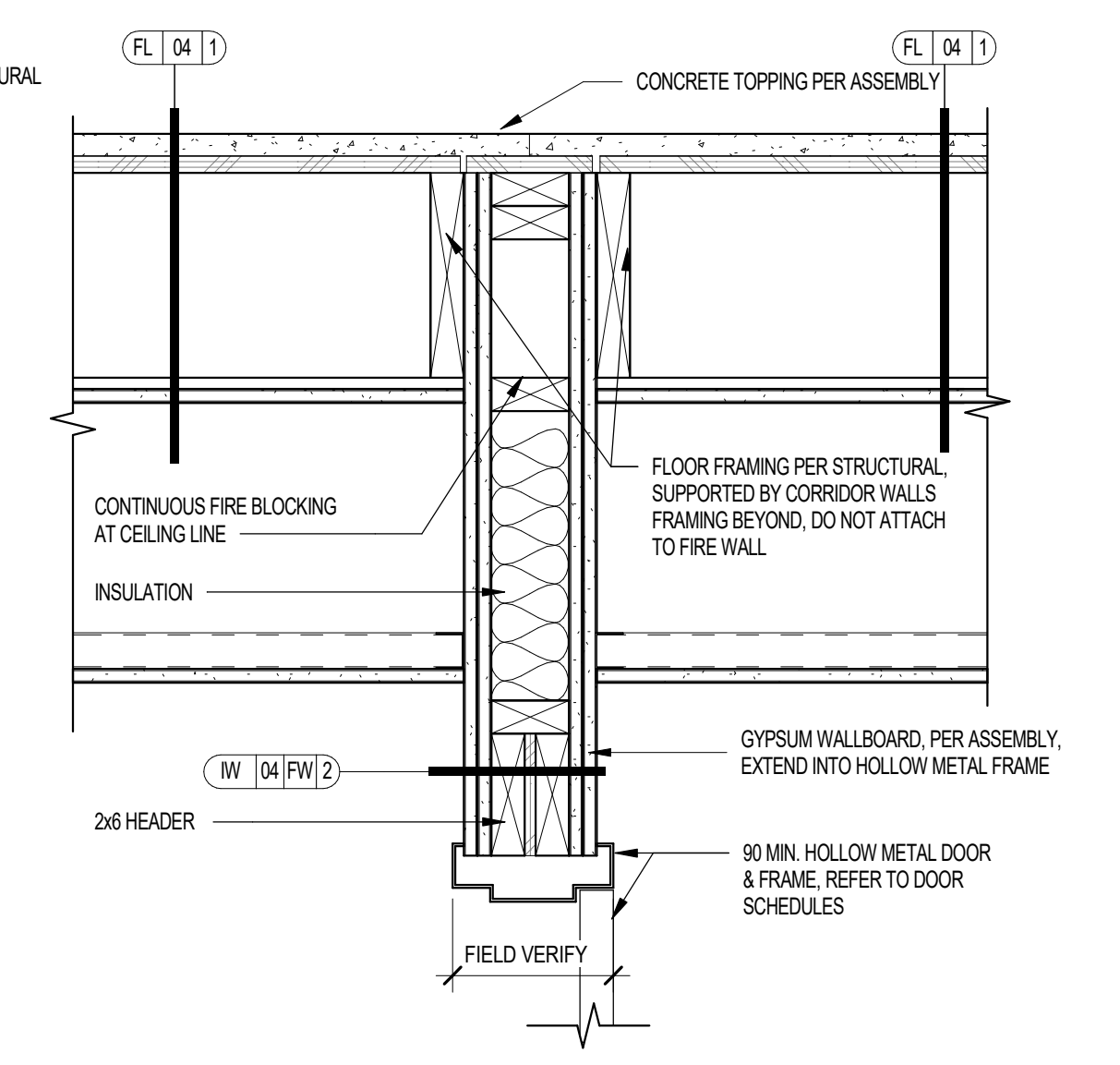
03 2-HR FIRE WALL AT FLOOR / CEILING AT CORRIDOR PARALLEL FLOOR TRUSSES SCALE: 1/12" = 1'-0"



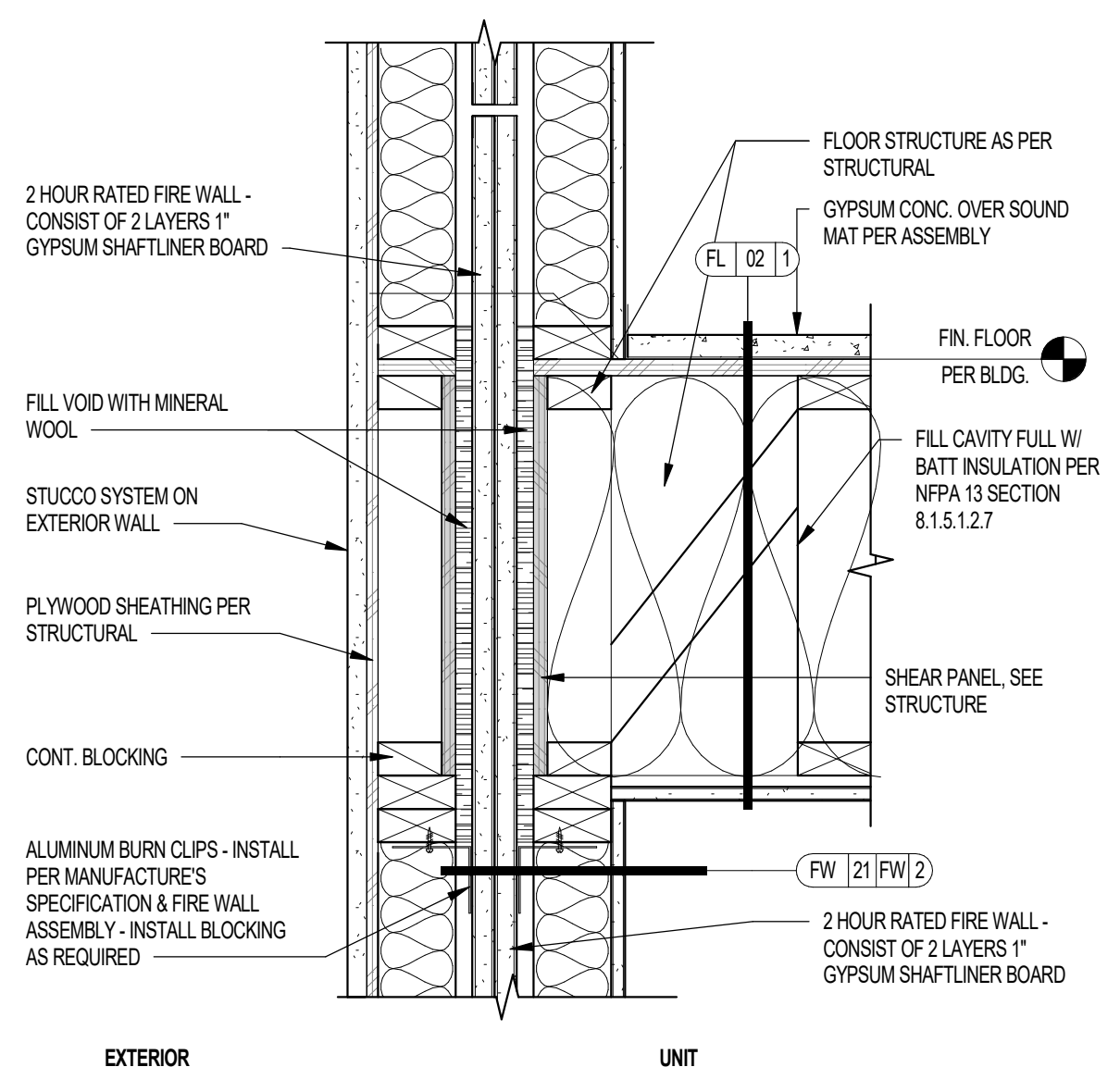
24 2-HR FIRE WALL AT 1-HR FLOOR / CEILING PARALLEL TO FLOOR TRUSSES SCALE: 1/12" = 1'-0"



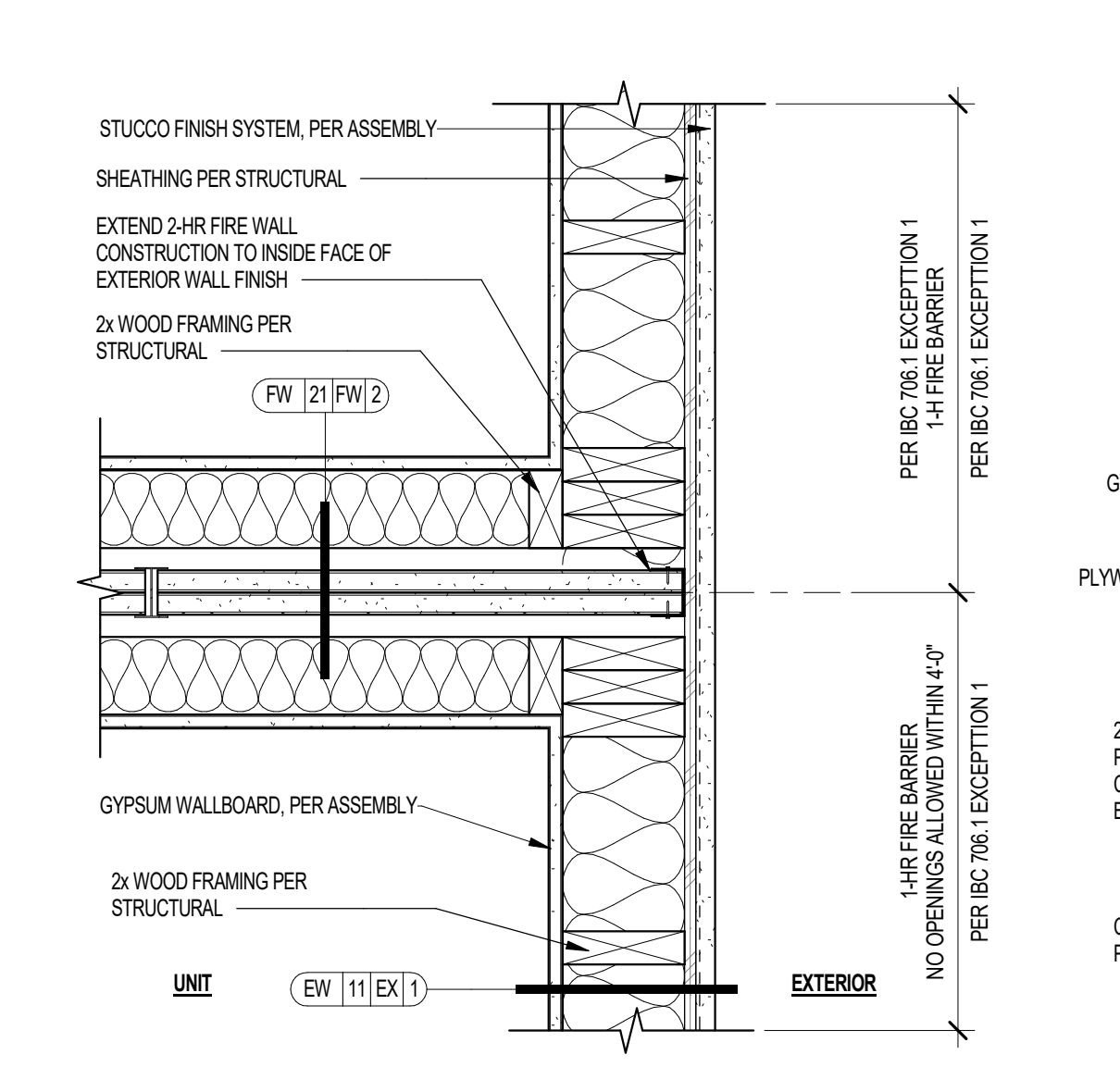
20 2-HR FIRE WALL - EXTERIOR SCALE: 1/12" = 1'-0"



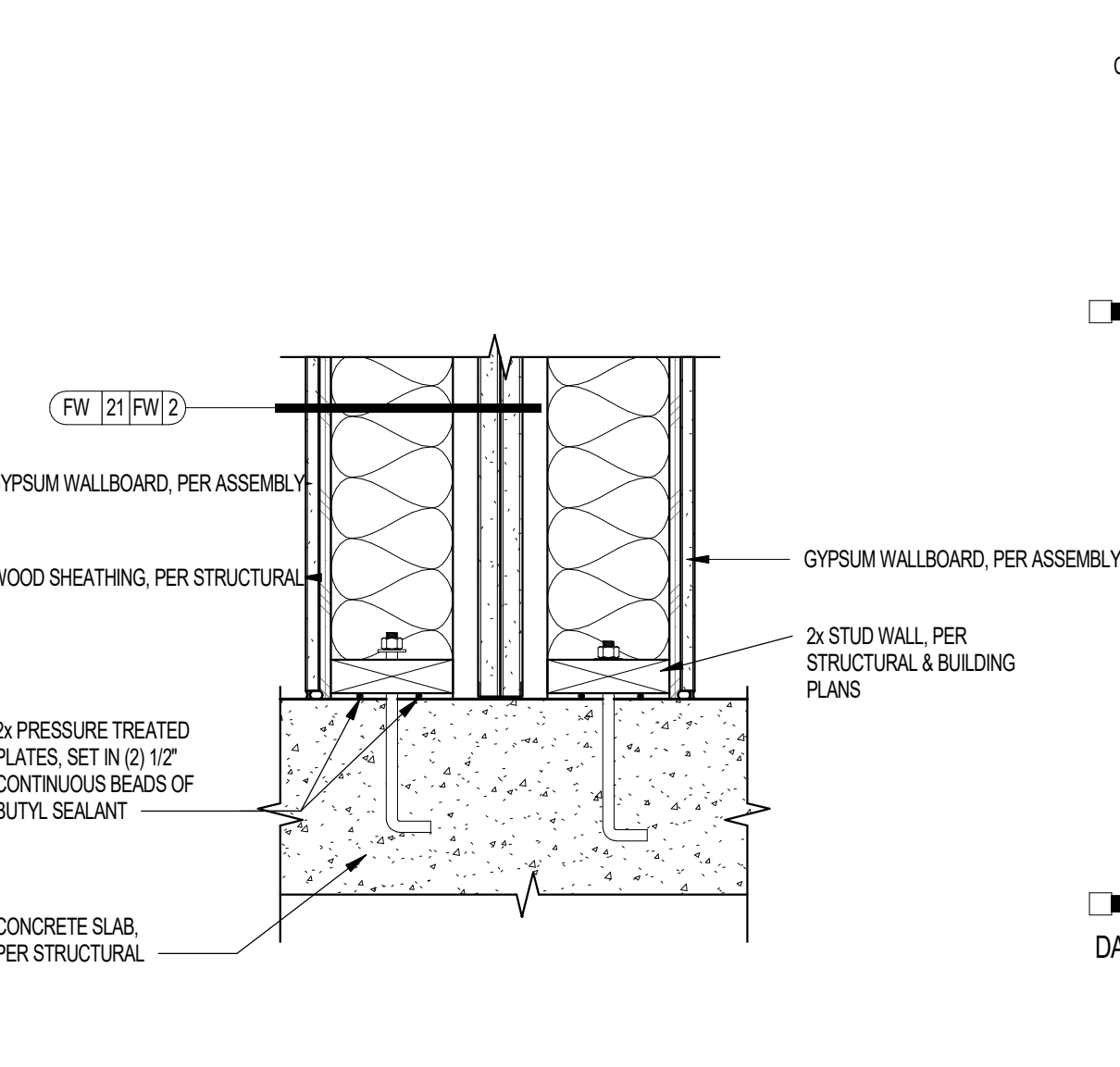
16 HOLLOW METAL DOOR HEAD AT FIRE WALL SCALE: 1/12" = 1'-0"



12 2-HR FIRE WALL EXTERIOR AT 1-HR FLOOR / CEILING PARALLEL TO FLOOR TRUSSES SCALE: 1/12" = 1'-0"



08 2-HR FIRE WALL TERMINATION AT EXTERIOR WALL - PLAN VIEW SCALE: 1/12" = 1'-0"



04 2-HR FIRE WALL AT SLAB - INTERIOR SCALE: 1/12" = 1'-0"

Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of change or addition to billing cycle after the first draw. This contract shall also allow the contractor to request payment on alternate schedule after certification and approval of change and variation. A written description of all other billing cycle requests shall be provided to the contractor at the time of the contractor's request.

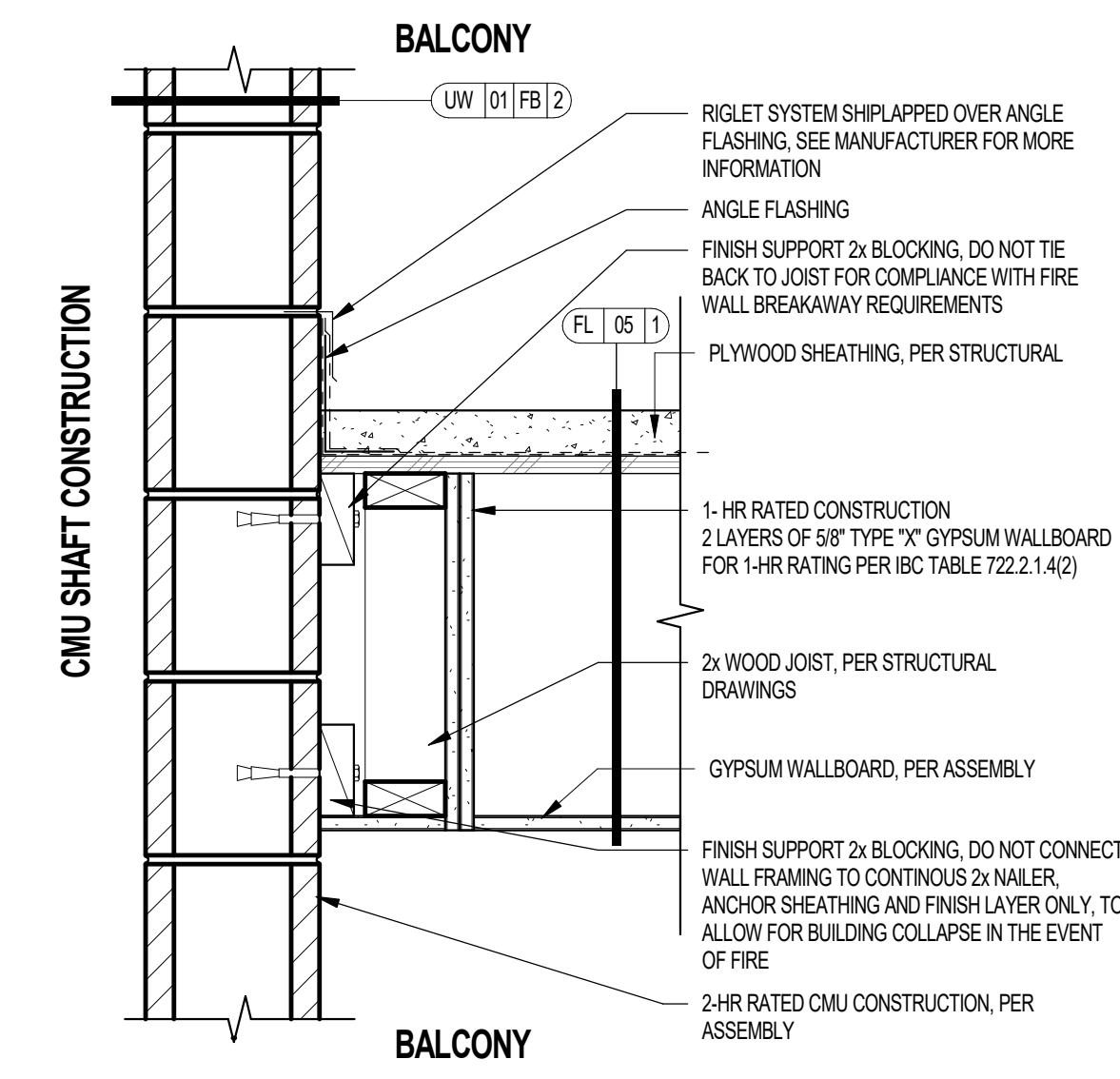
CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or design agent shall provide the written description on request.

Contractor must verify all dimensions of project before proceeding with this work.

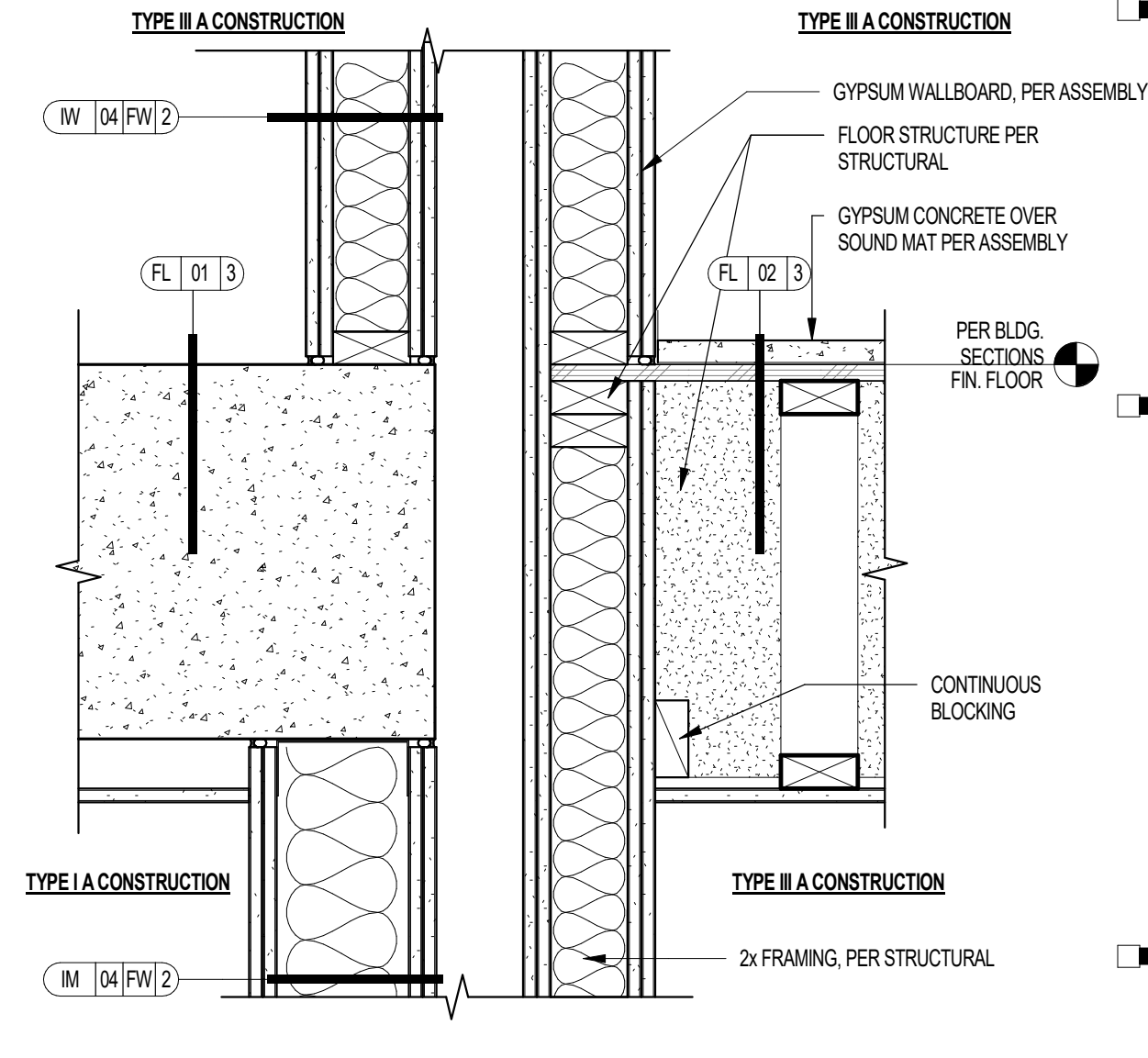
Do not reproduce these drawings and specifications without the expressed written consent of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is completed. This contract shall also allow the contractor to request payment on alternate schedule after certification and approval of change and variation. A written description of all other billing cycle requests shall be provided to the contractor at the time of the contractor's request.

REVISIONS/SUBMITTALS

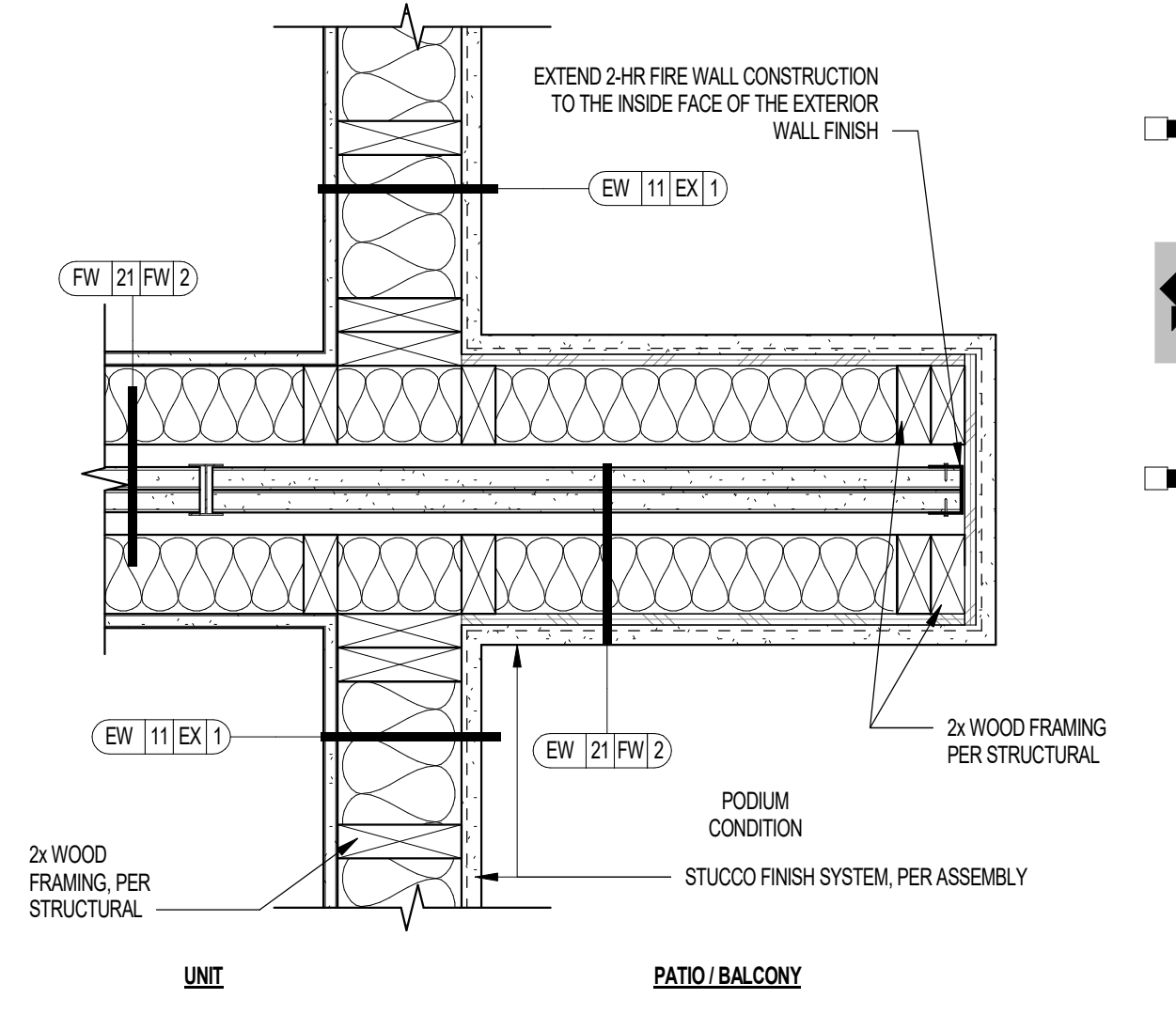
DATE	DESCRIPTION
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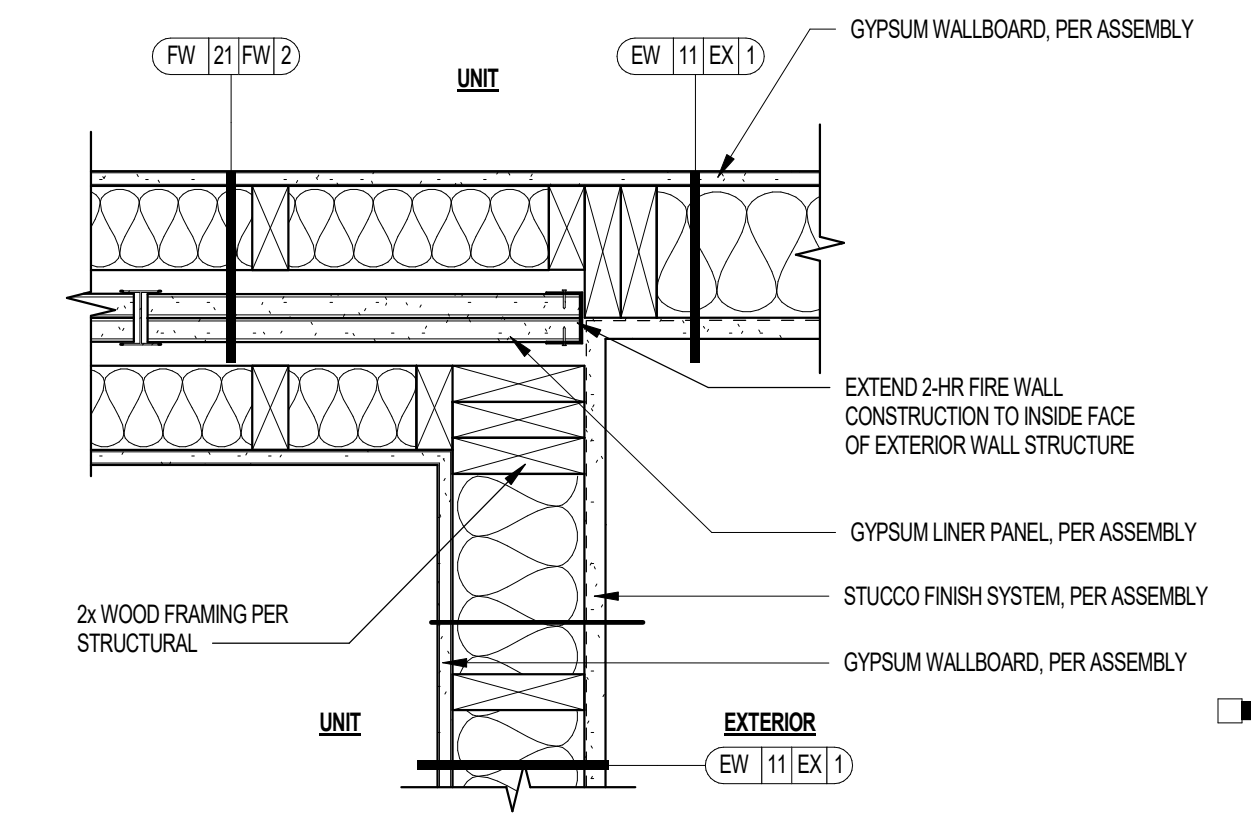
05 2-HR FIRE WALL EXTERIOR TERMINATION AT CMU AND BALCONY CONDITION
SCALE: 1 1/2" = 1'-0"



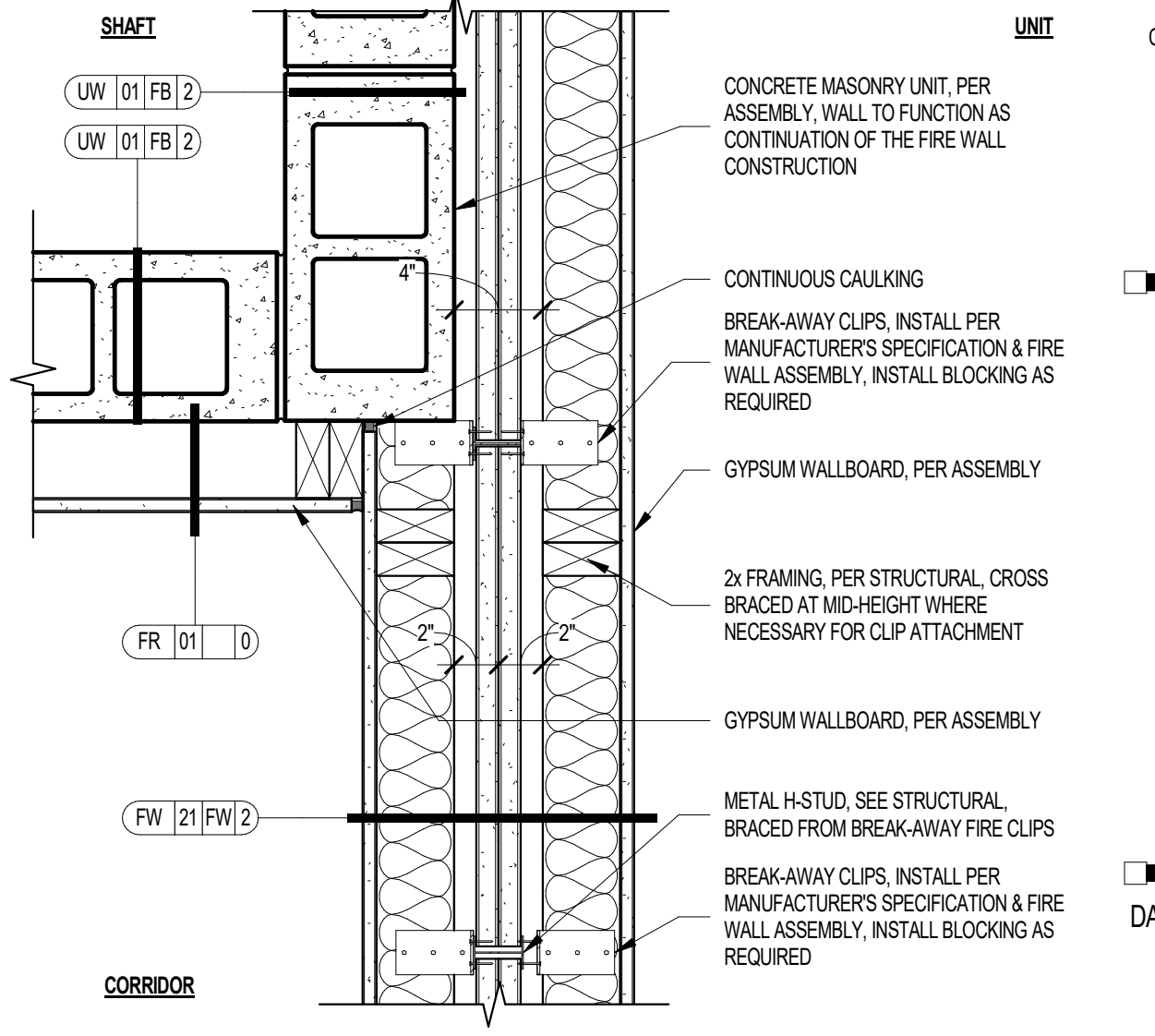
01 2-HR FIRE WALL AT 1-HR FLOOR / CEILING PARALLEL TO FLOOR TRUSSES
SCALE: 1 1/2" = 1'-0"



02 2-HR FIRE WALL AT BALCONY EXTERIOR WALL - PLAN VIEW
SCALE: 1 1/2" = 1'-0"



03 2-HR FIRE WALL TERMINATION AT PATIO / BALCONY - PLAN VIEW
SCALE: 1 1/2" = 1'-0"



04 2-HR FIRE WALL TERMINATION AT CMU SHAFT - PLAN VIEW
SCALE: 1 1/2" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

Office of Rich Barber
ORB
Architecture, LLC

WorldHQ@ORBArch.com

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Notice of alternate billing (or payment) cycle
This contract allows (they allow) the owner to request the admission of billing or estimates in billing cycle other than the first cycle. This contract shall also be subject to the terms, conditions and specifications set forth in the contract documents. A further description of such other billing cycle applies to the project as available from the owner or the owner's design engineer at:

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

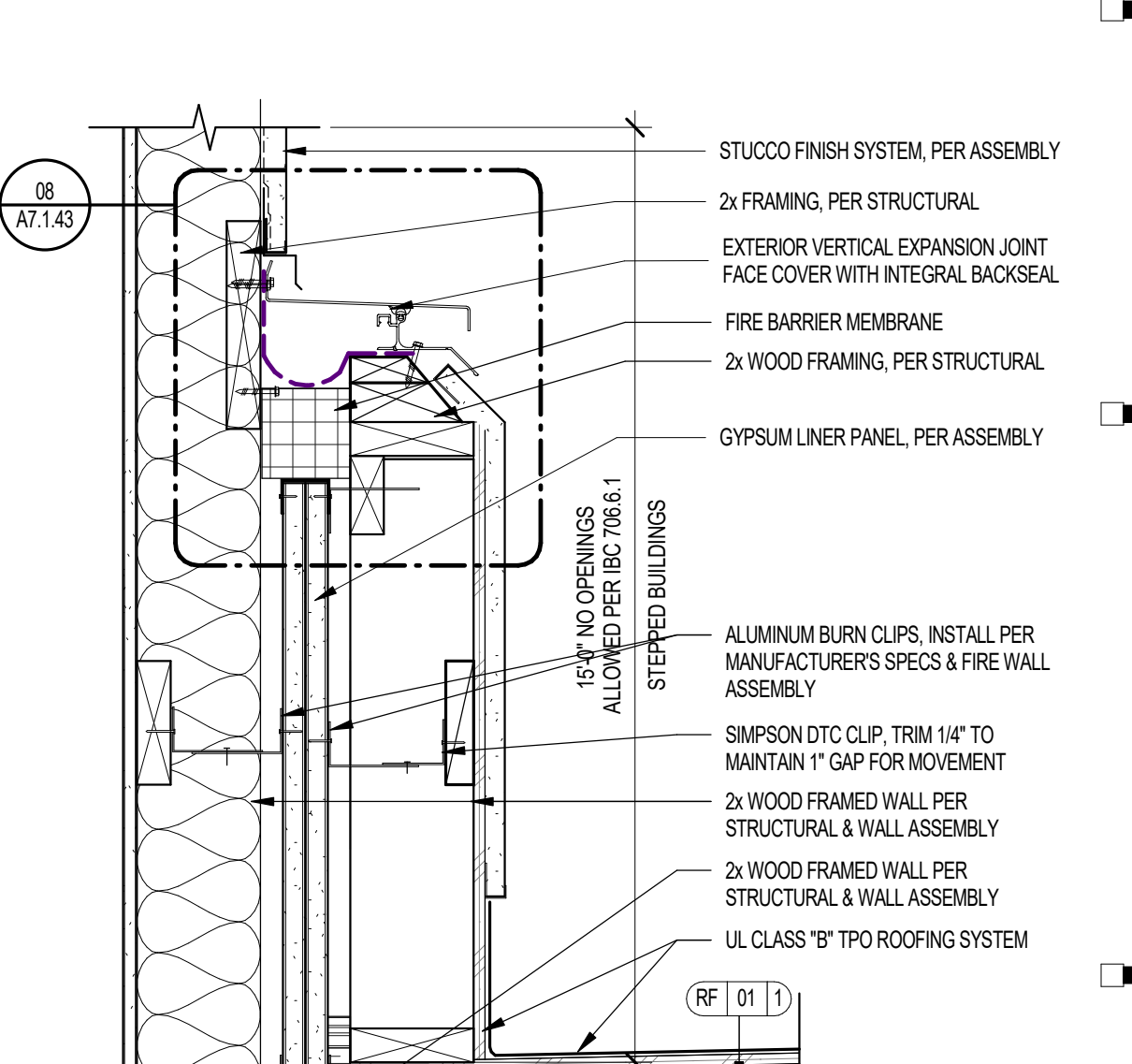
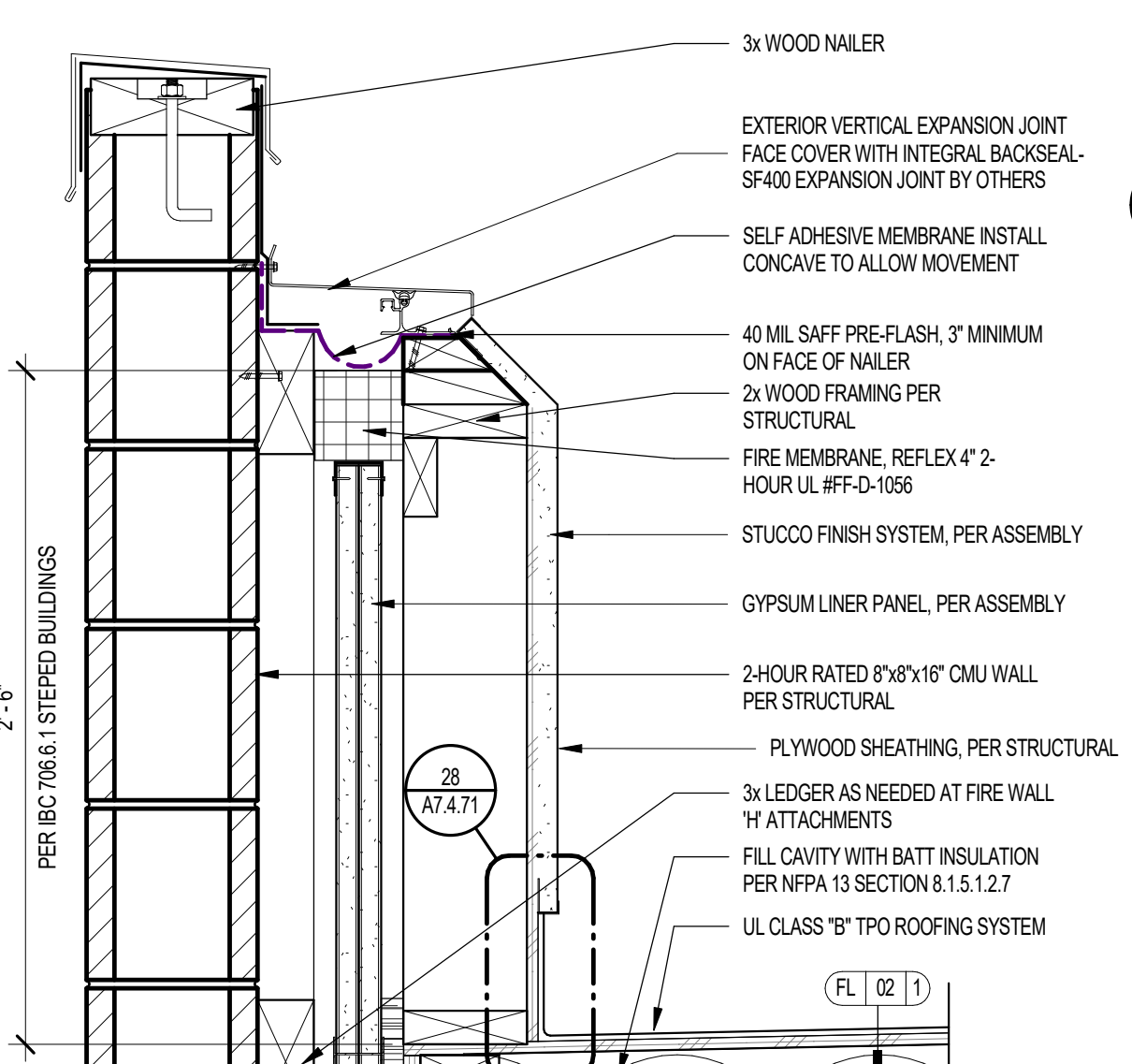
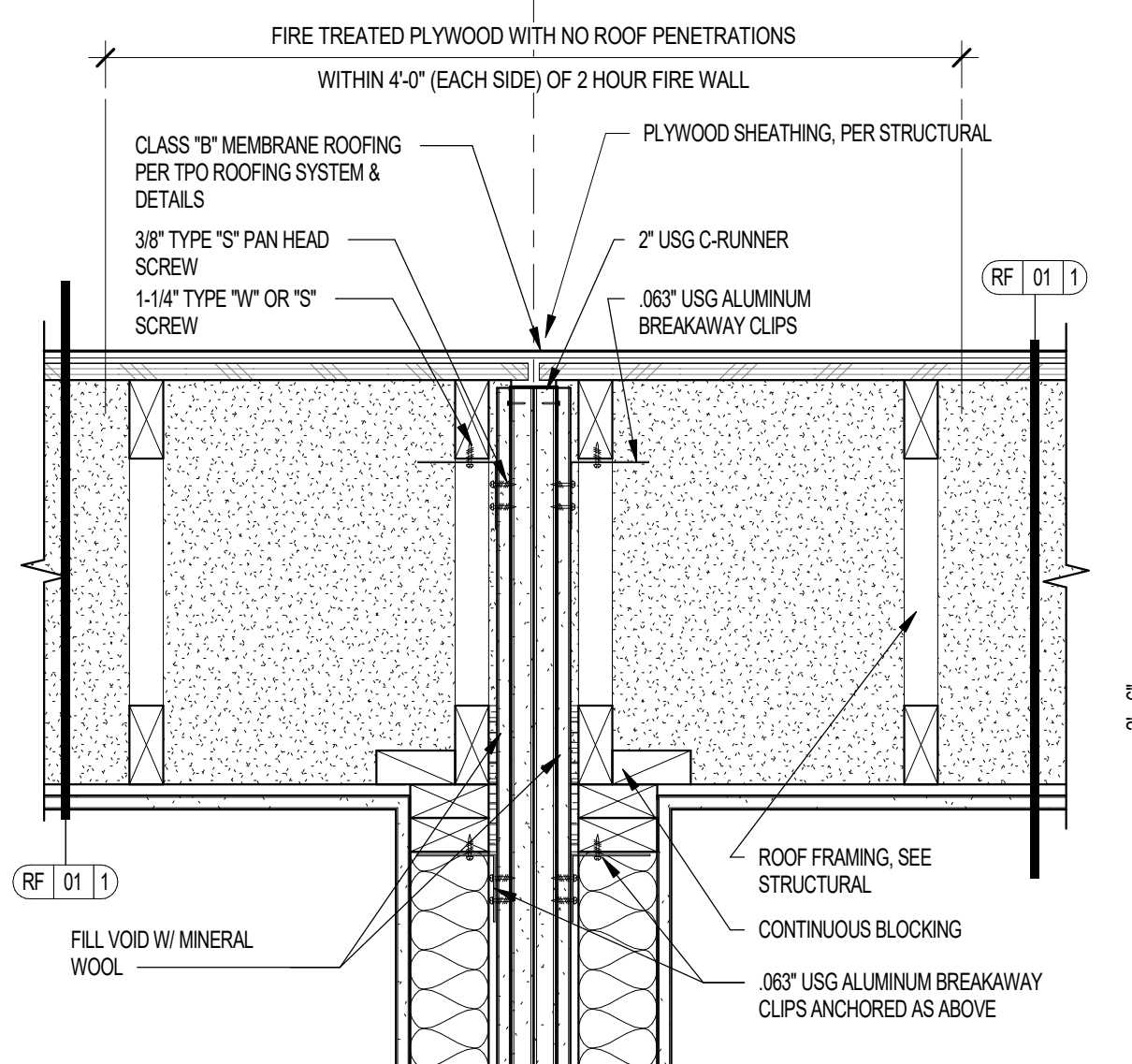
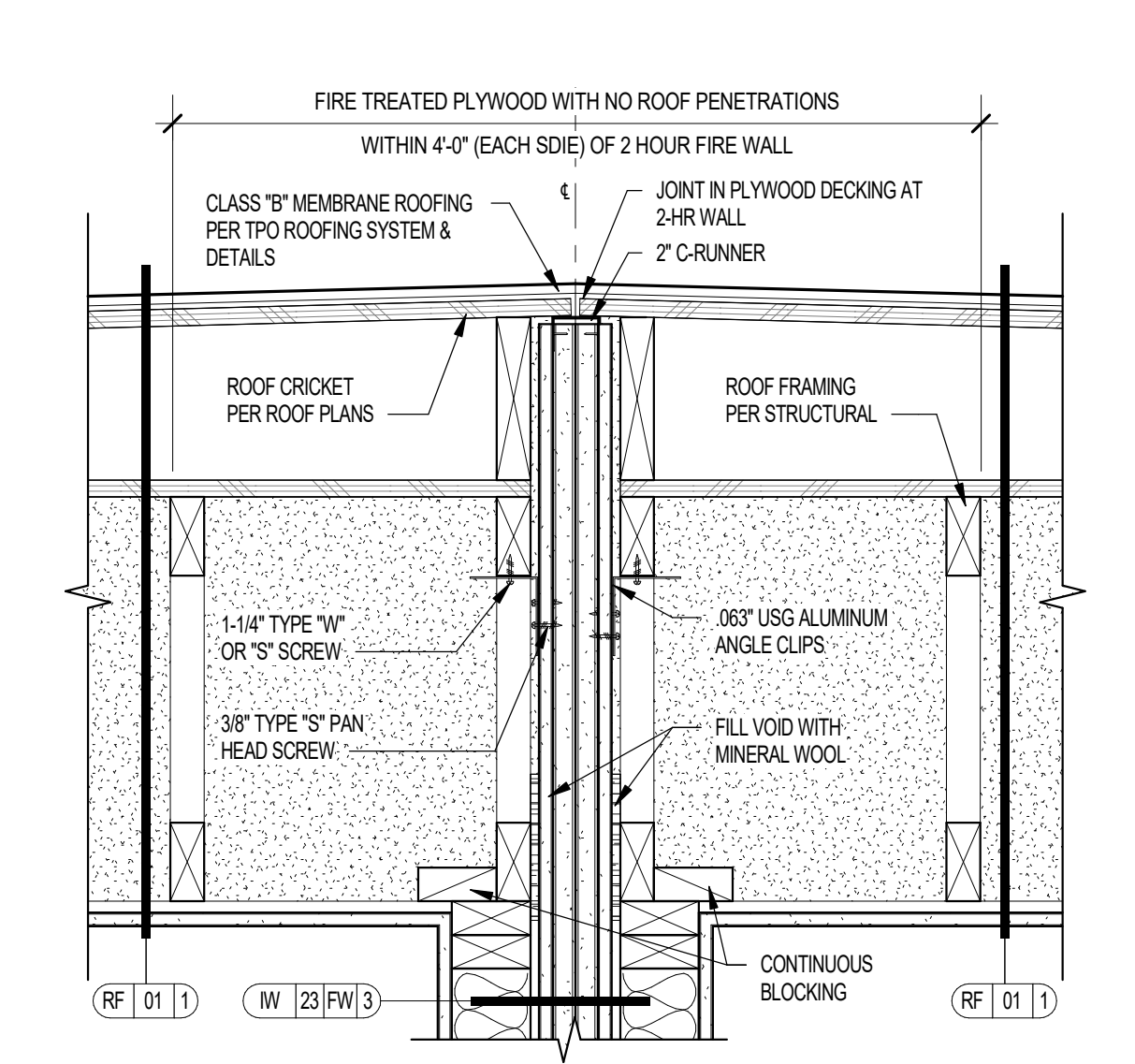
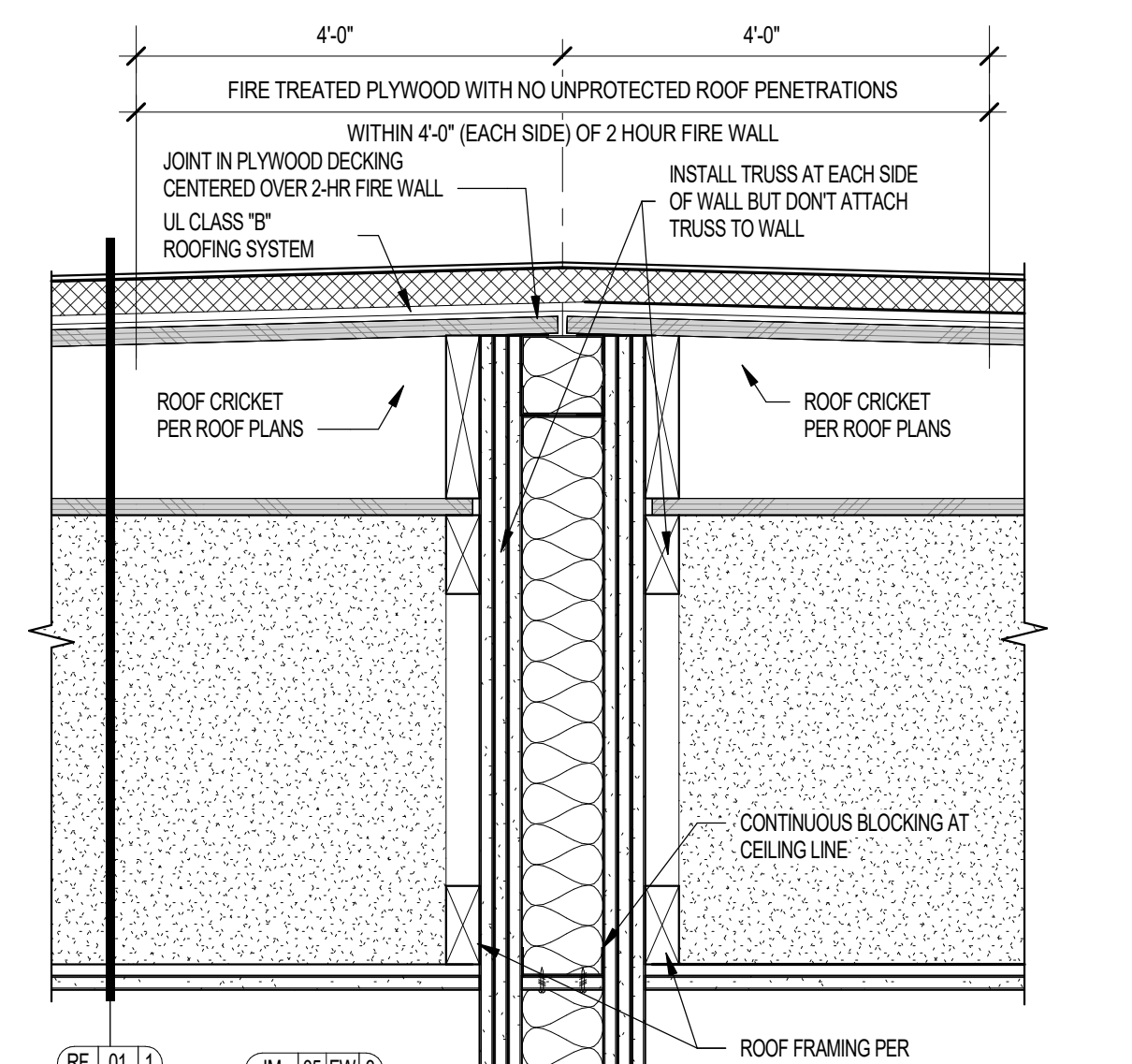
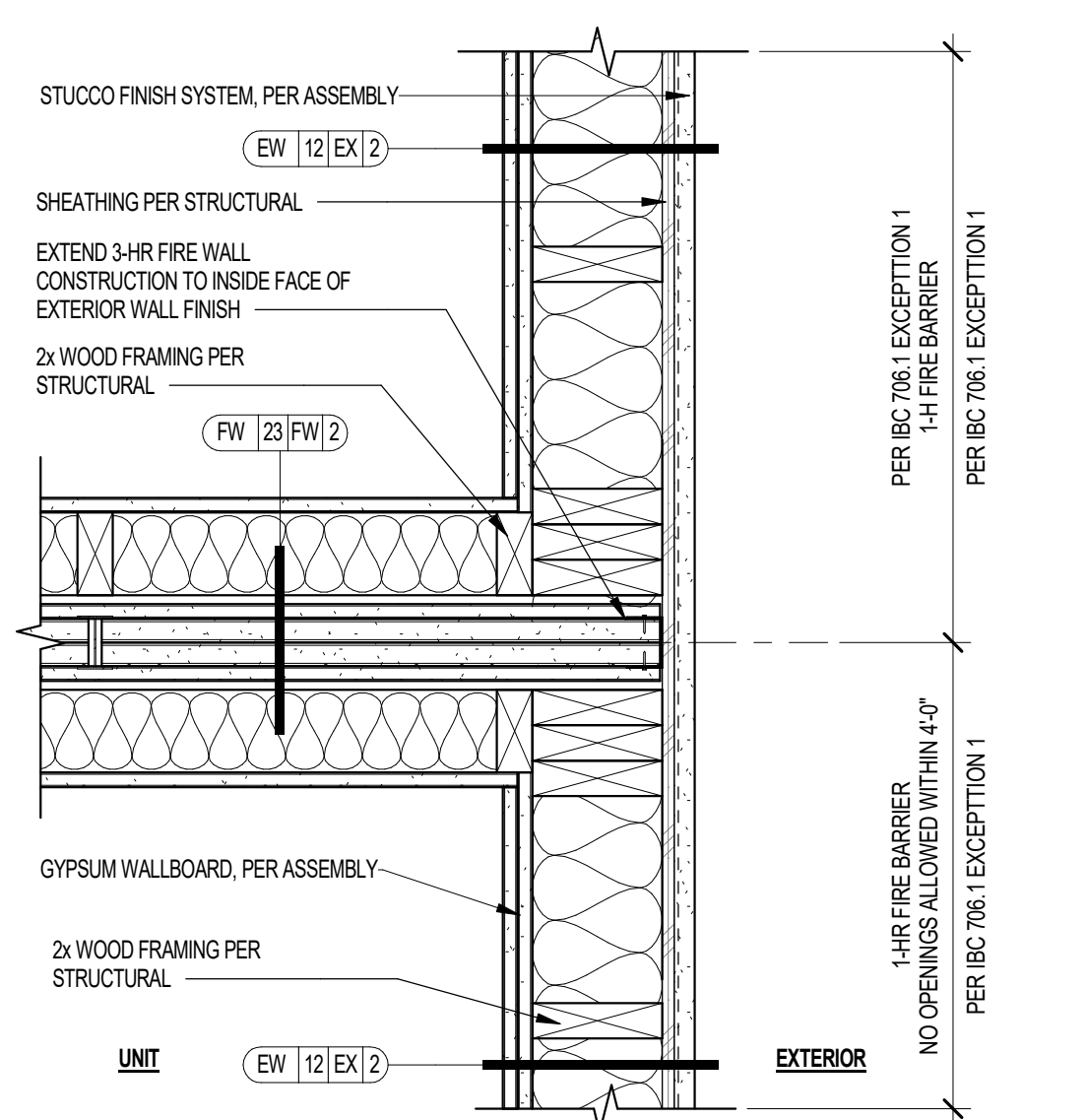
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, for addition to this project or for completion of this project by others except by the expressed written permission of the Architect.

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REVISIONS/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.1.42
FIRE ASSEMBLIES - 2-HR FIRE WALLS DETAILS



21 3-HR FIRE WALL TERMINATION AT 2-HR EXTERIOR WALL - PLAN VIEW SCALE: 1/12" = 1'-0"

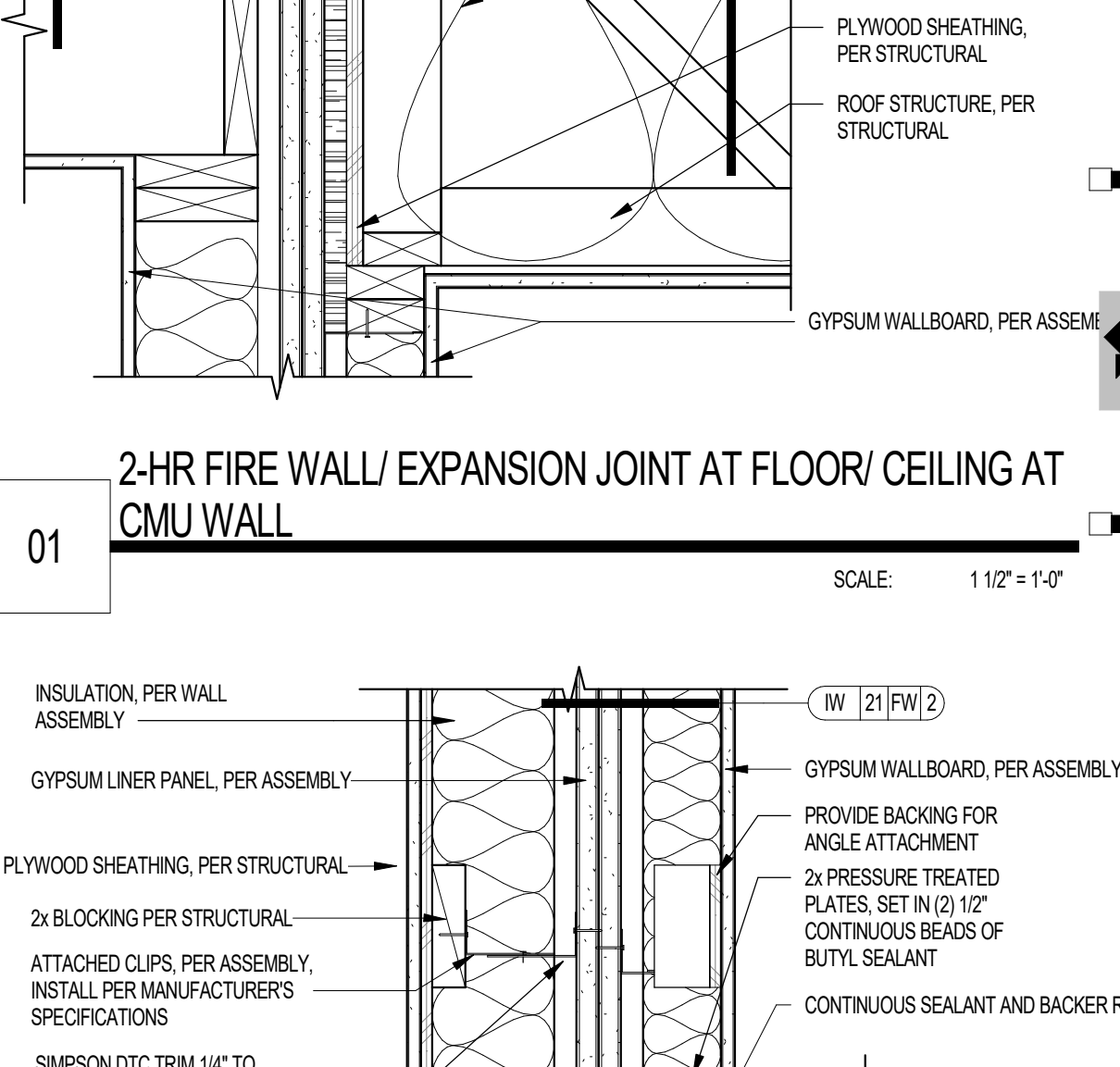
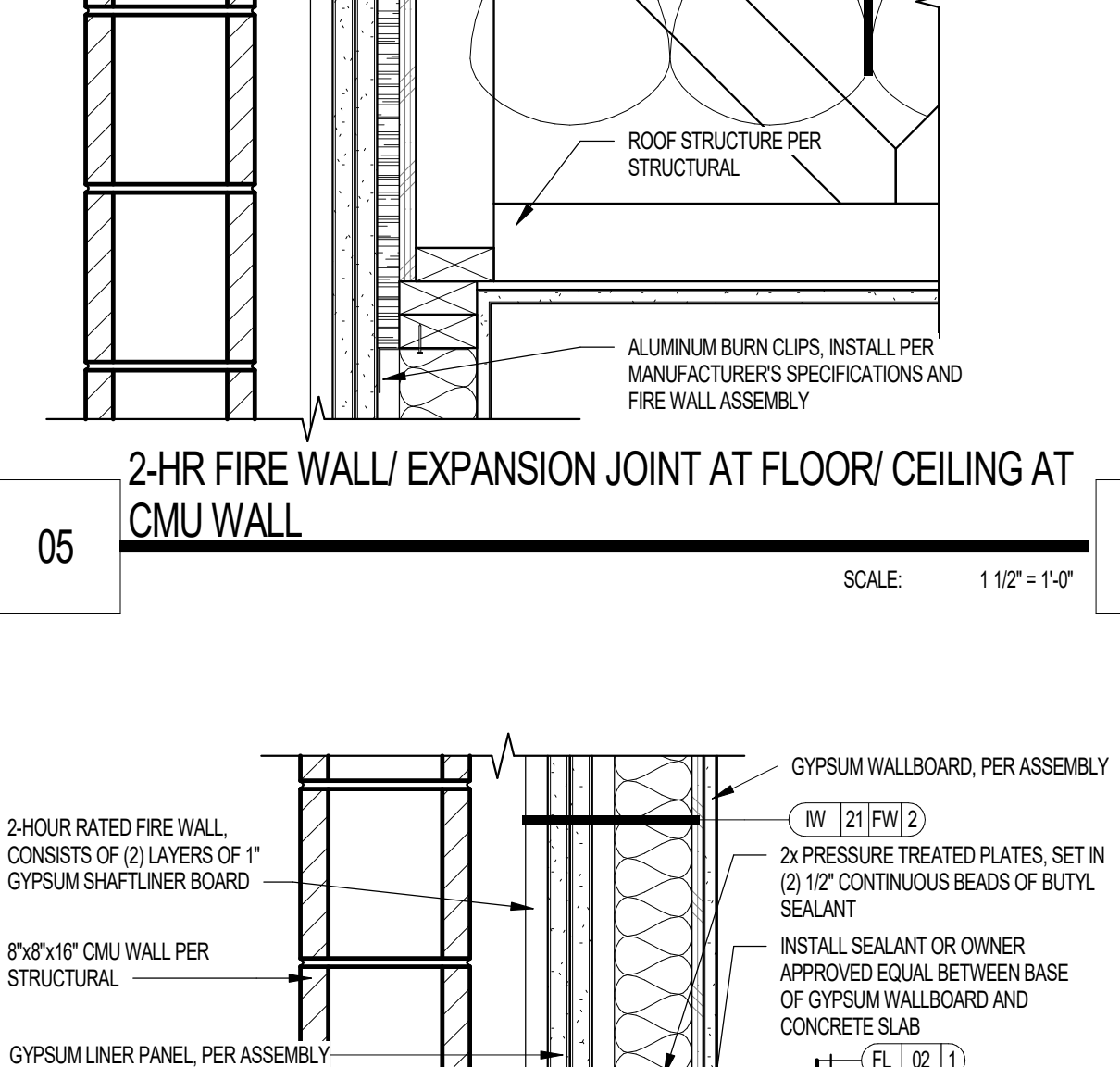
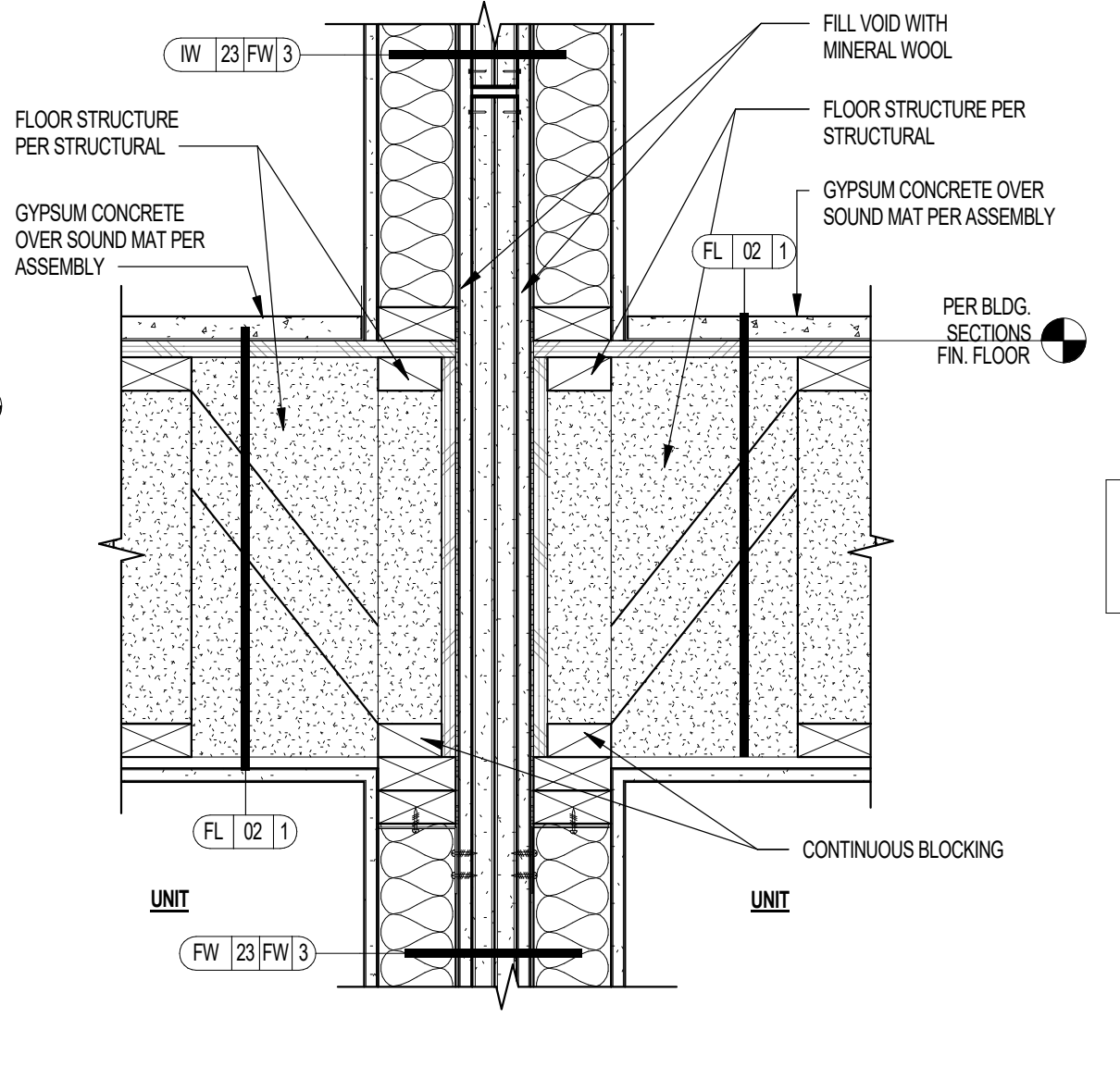
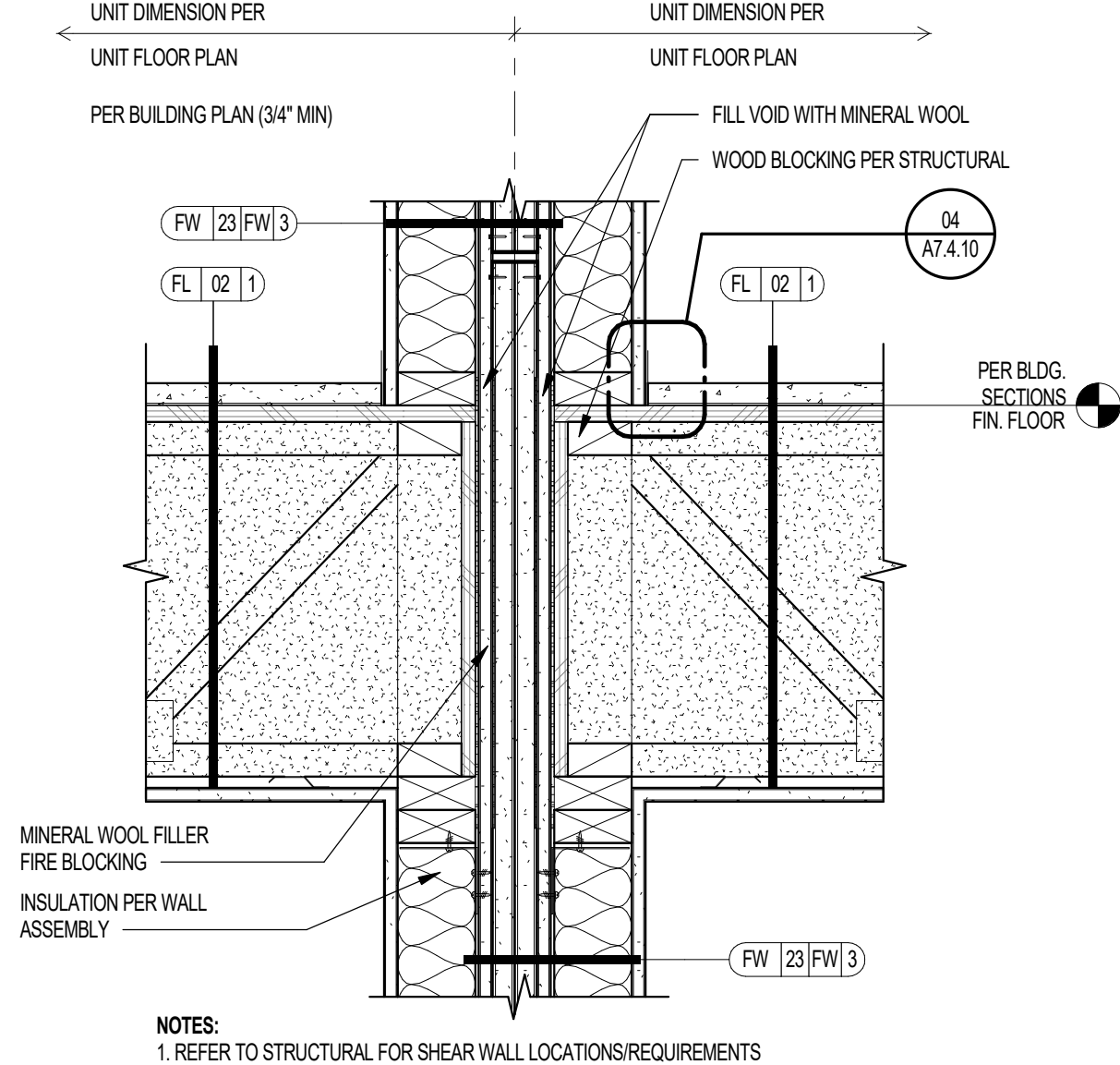
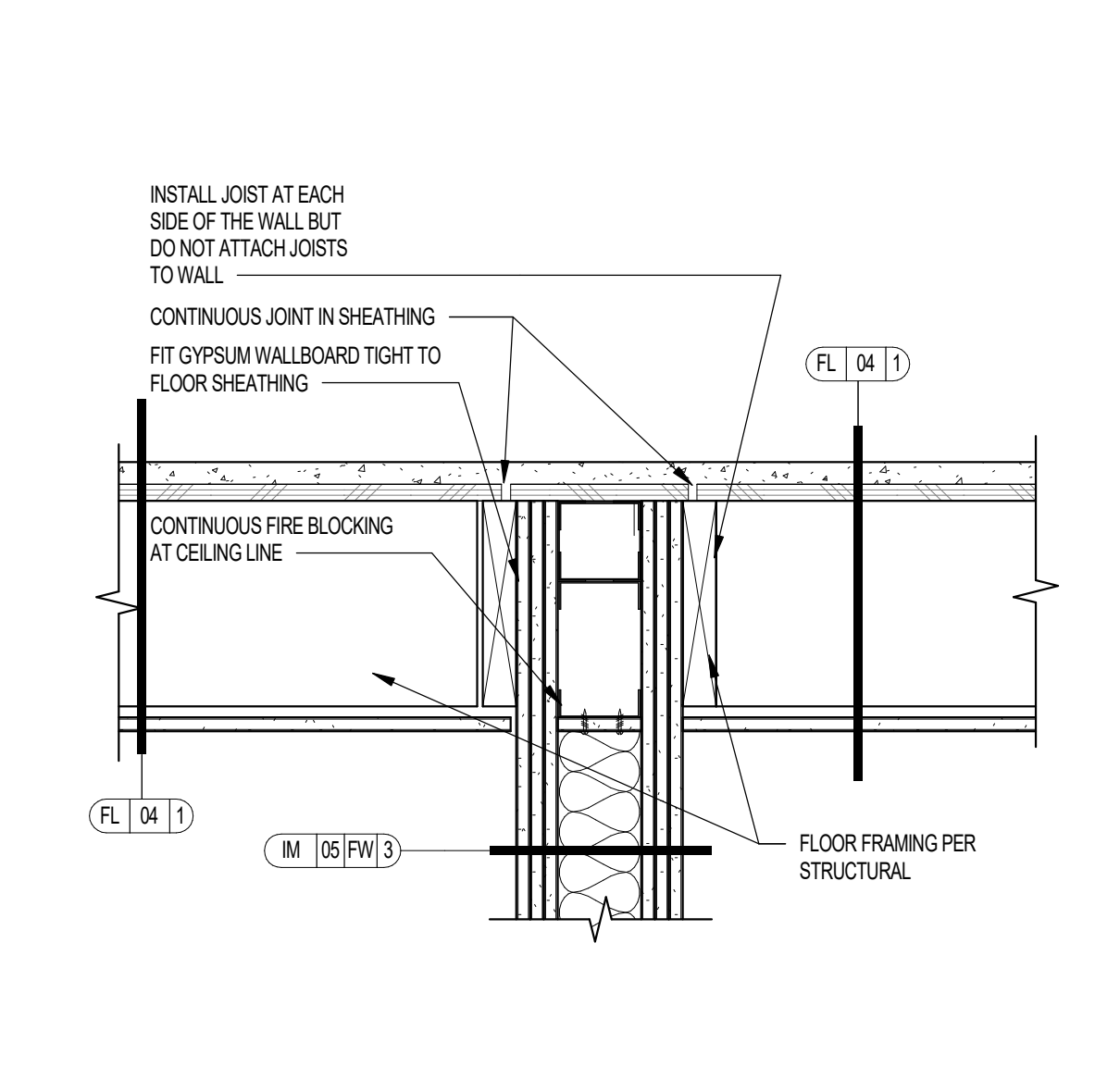
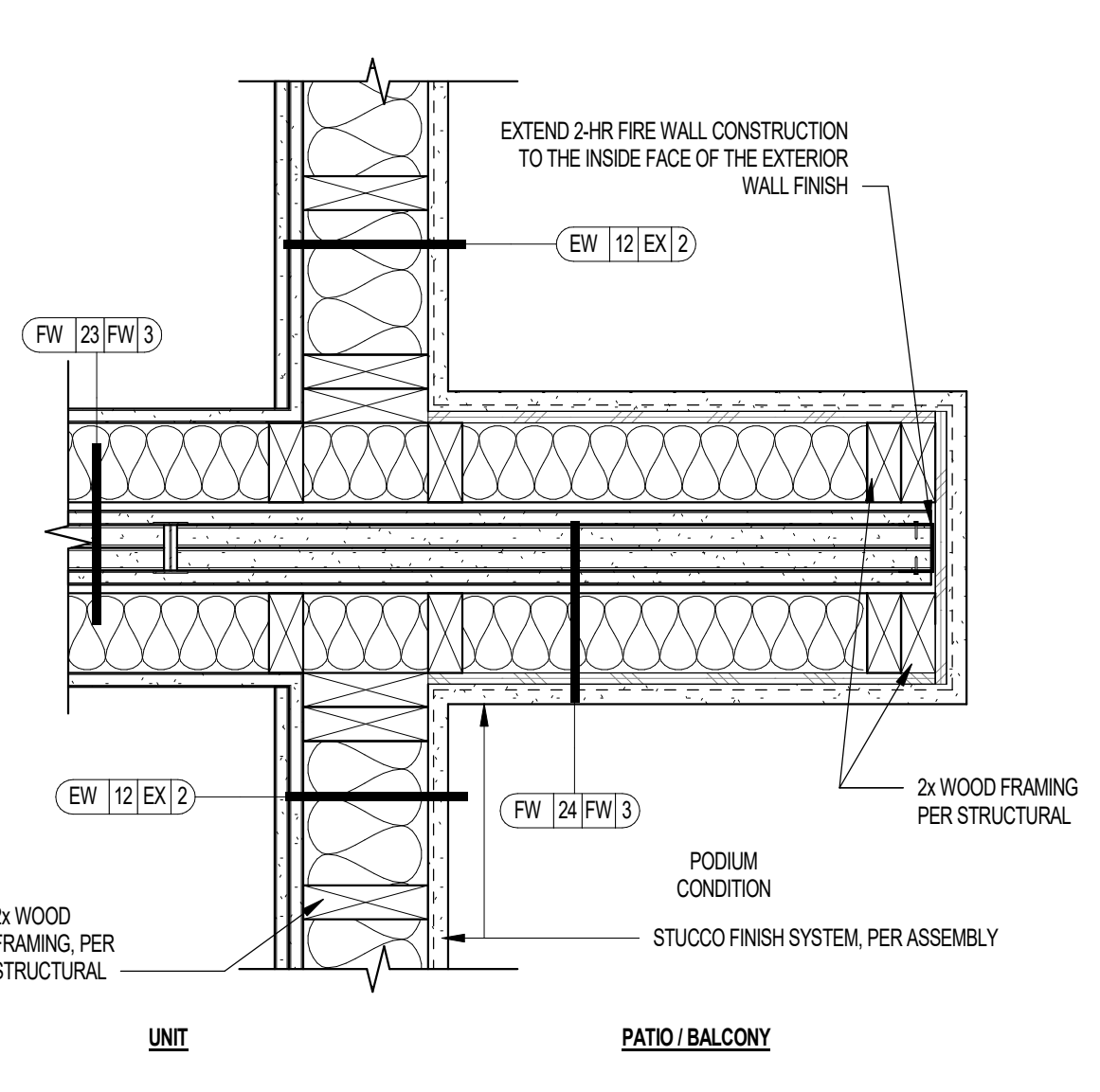
17 3-HR FIRE WALL (MTL. FRAME) AT 1-HR ROOF/CEILING AT CRICKET - AT SPRAYFOAM ROOFING SYSTEM SCALE: 1/12" = 1'-0"

13 3-HR FIRE WALL AT 1-HR ROOF/CEILING AT CRICKET SCALE: 1/12" = 1'-0"

09 3-HR FIRE WALL AT 1-HR ROOF/CEILING SCALE: 1/12" = 1'-0"

05 2-HR FIRE WALL/ EXPANSION JOINT AT FLOOR/ CEILING AT CMU WALL SCALE: 1/12" = 1'-0"

01 2-HR FIRE WALL/ EXPANSION JOINT AT FLOOR/ CEILING AT CMU WALL SCALE: 1/12" = 1'-0"



22 3-HR FIRE WALL AT BALCONY EXTERIOR WALL - PLAN VIEW SCALE: 1/12" = 1'-0"

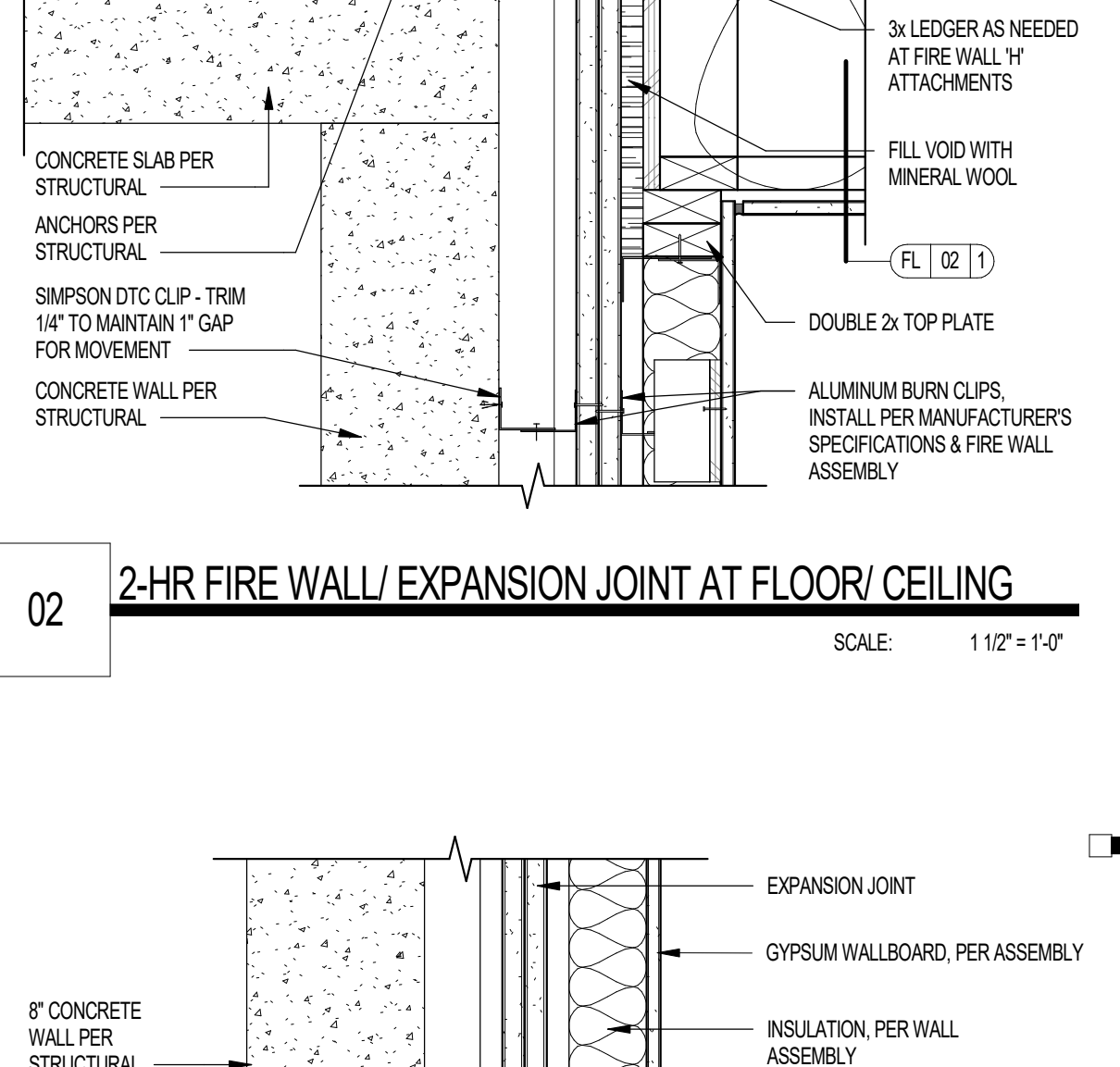
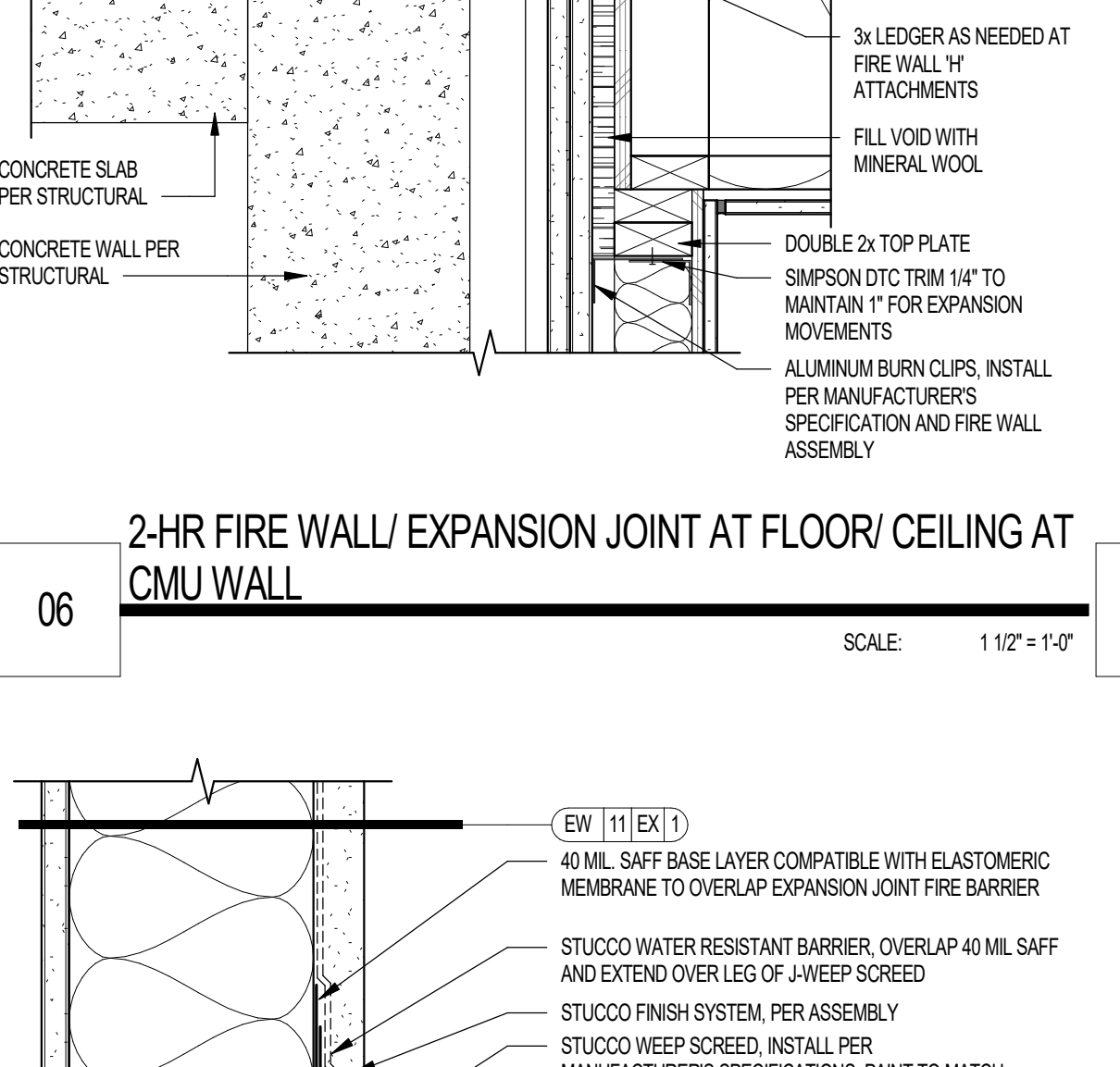
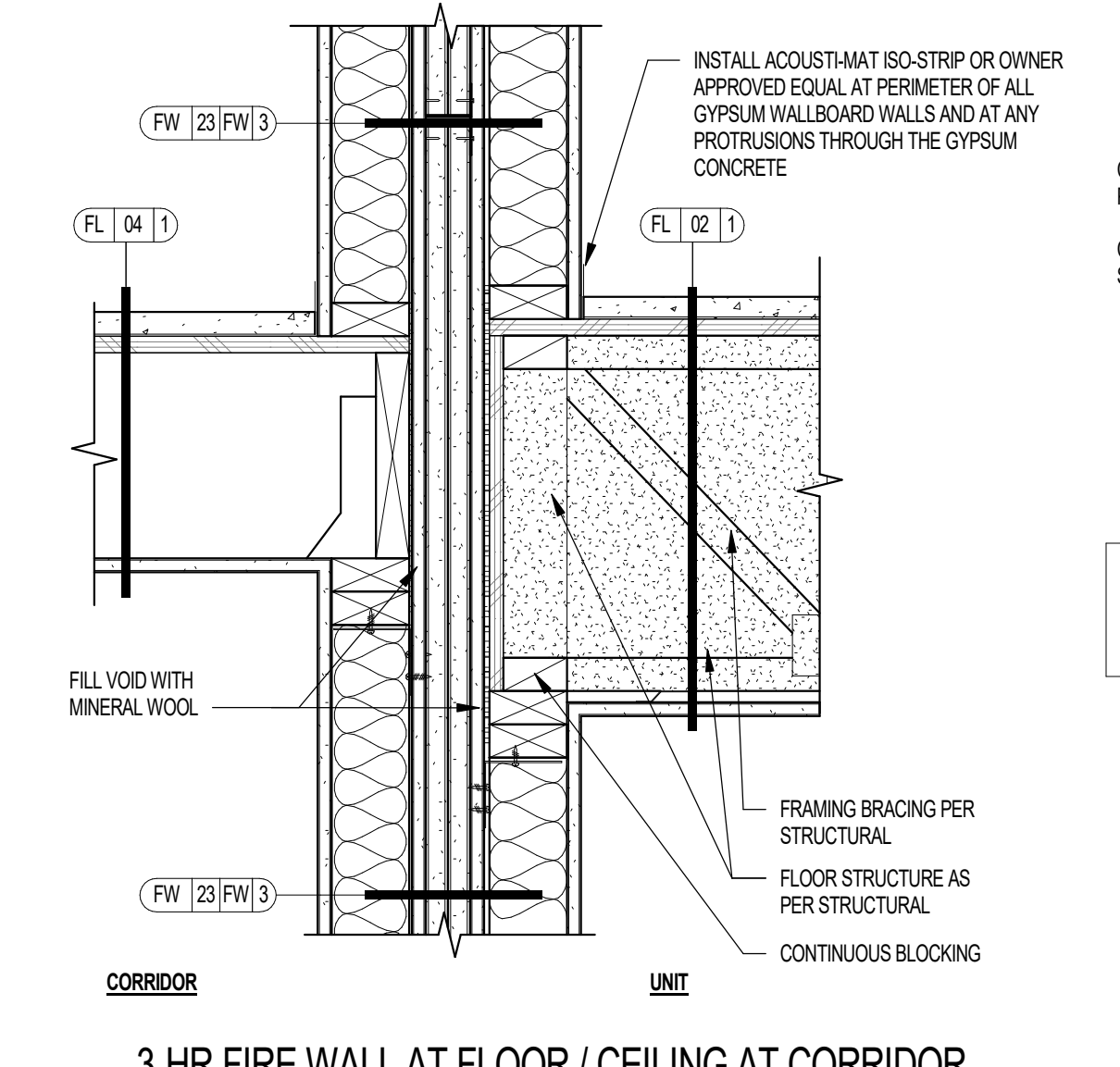
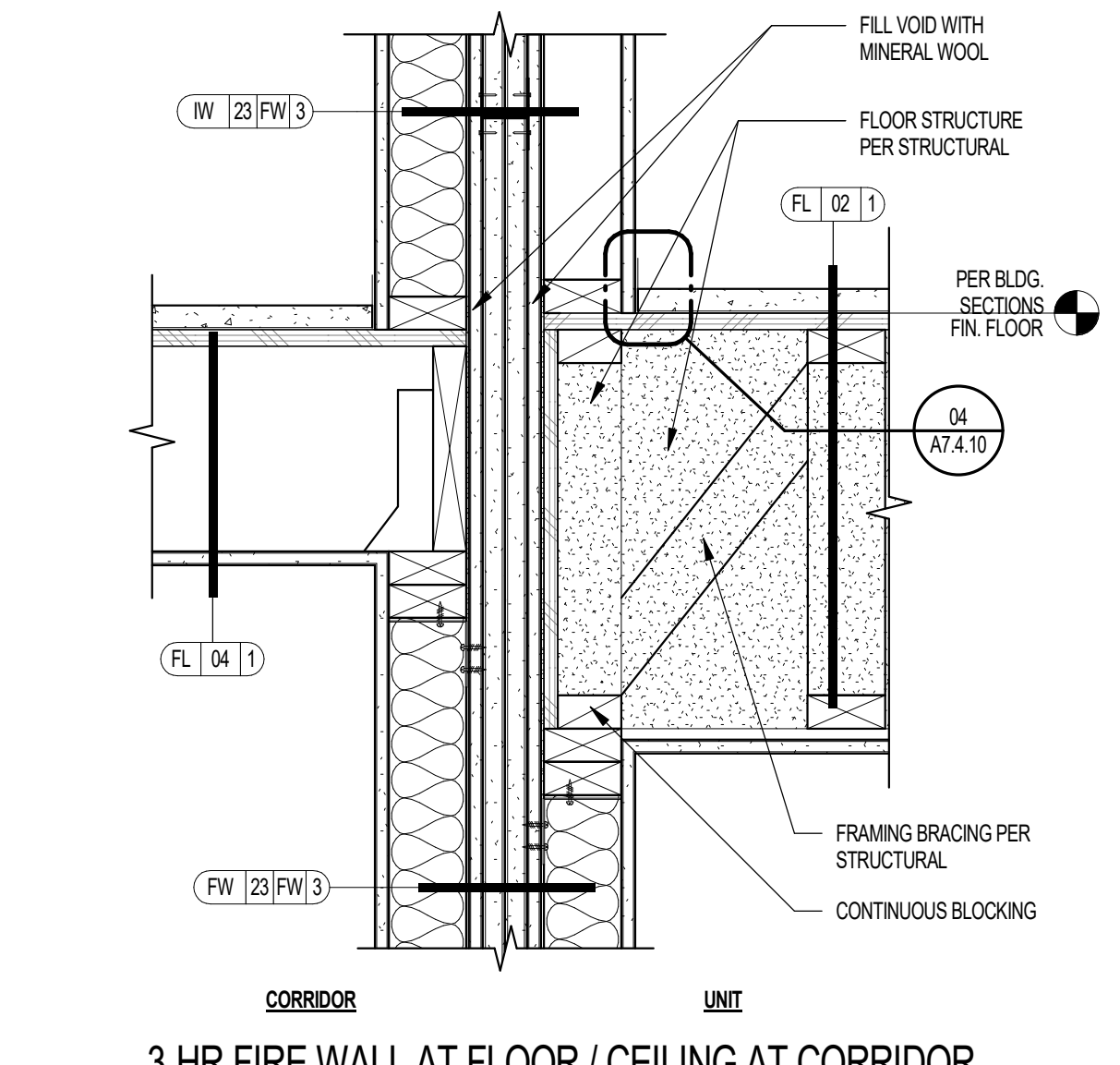
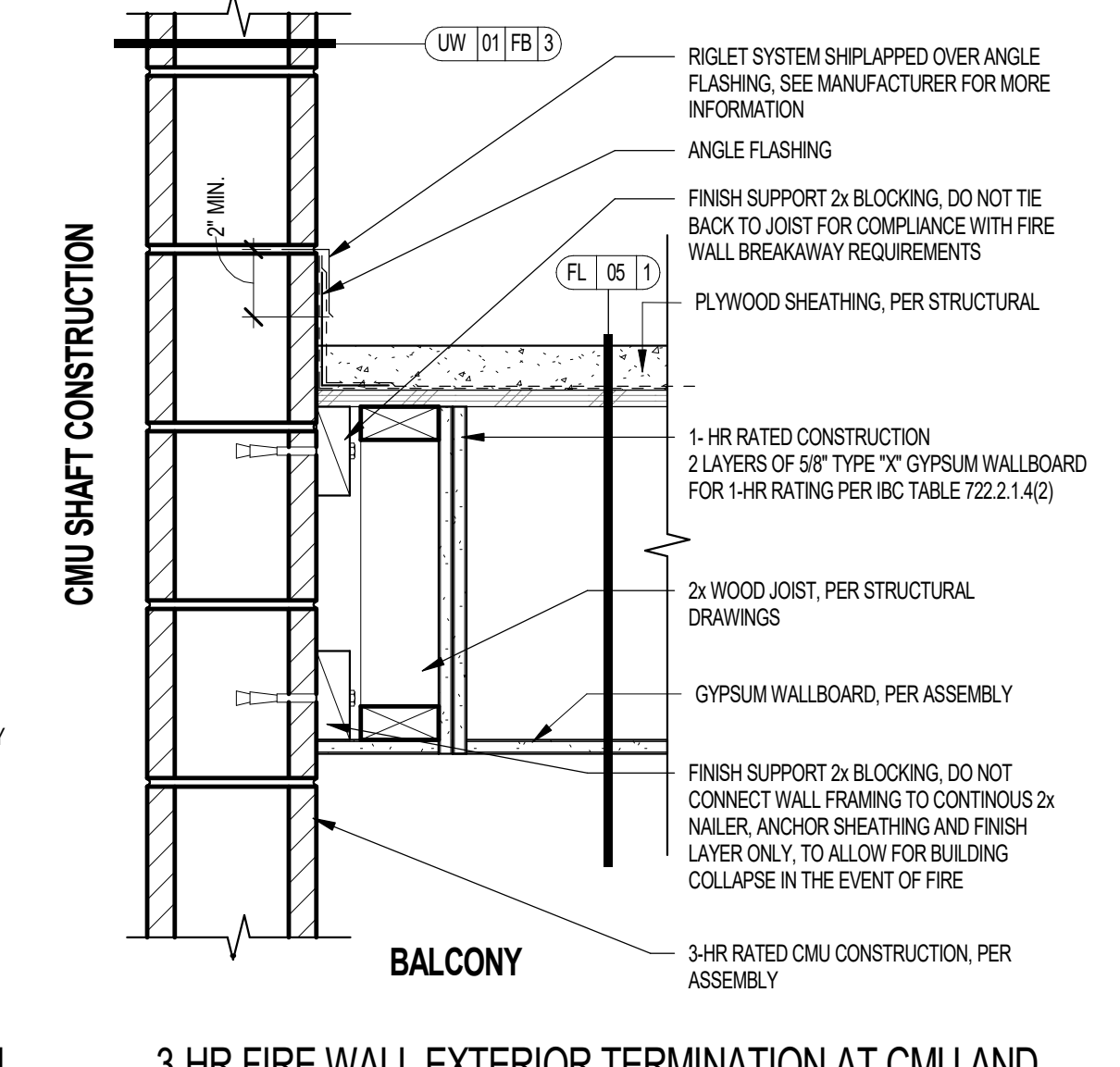
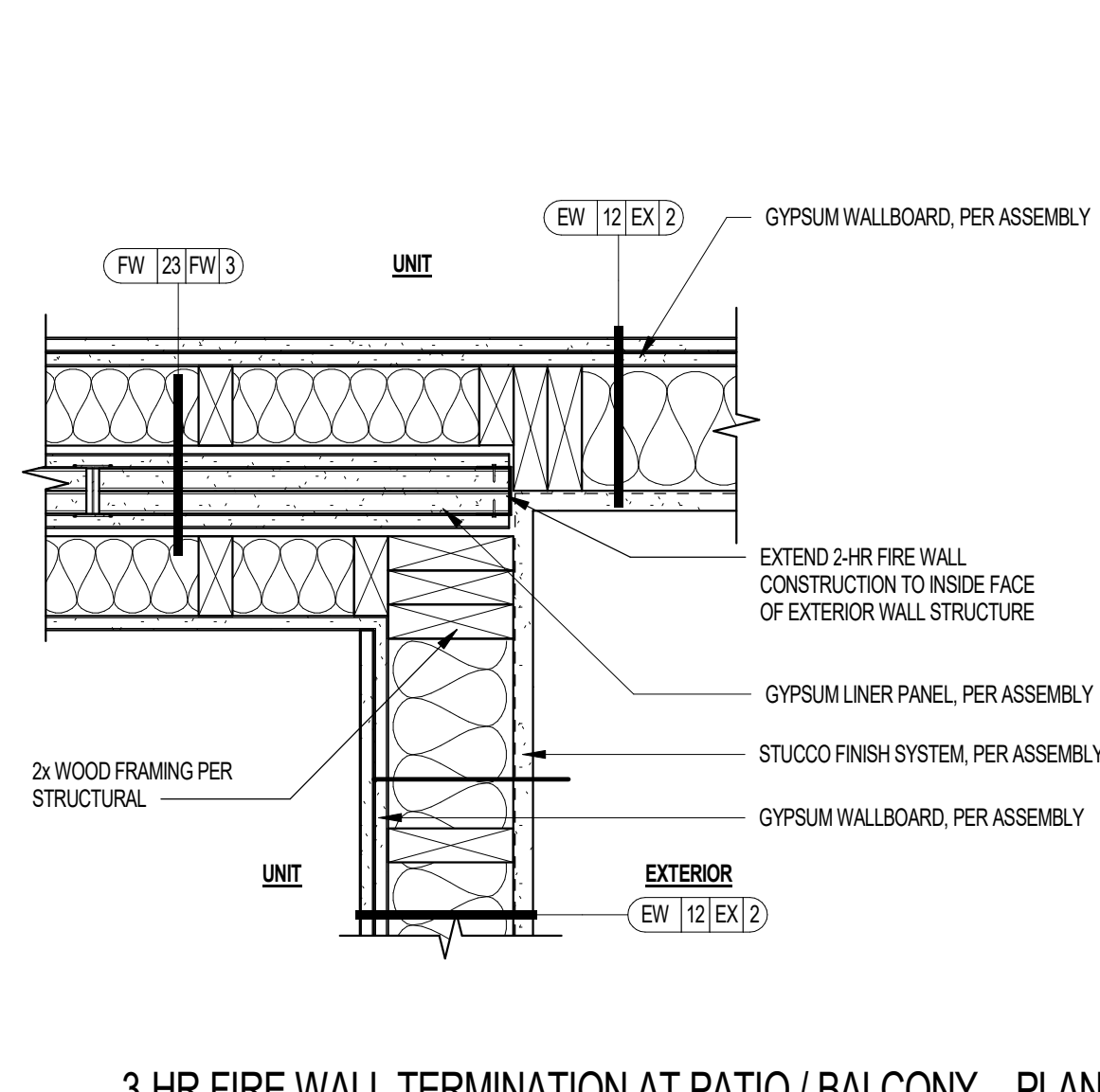
18 3-HR FIRE WALL AT 1-HR CORRIDOR FLOOR / CEILING SCALE: 1/12" = 1'-0"

14 3-HR FIRE WALL AT 1-HR FLOOR / CEILING PERPENDICULAR TO FLOOR TRUSSES SCALE: 1/12" = 1'-0"

10 3-HR FIRE WALL AT 1-HR FLOOR / CEILING PARALLEL TO FLOOR TRUSSES SCALE: 1/12" = 1'-0"

06 2-HR FIRE WALL/ EXPANSION JOINT AT FLOOR/ CEILING AT CMU WALL SCALE: 1/12" = 1'-0"

02 2-HR FIRE WALL/ EXPANSION JOINT AT FLOOR/ CEILING AT CMU WALL SCALE: 1/12" = 1'-0"



23 3-HR FIRE WALL TERMINATION AT PATIO / BALCONY - PLAN VIEW SCALE: 1/12" = 1'-0"

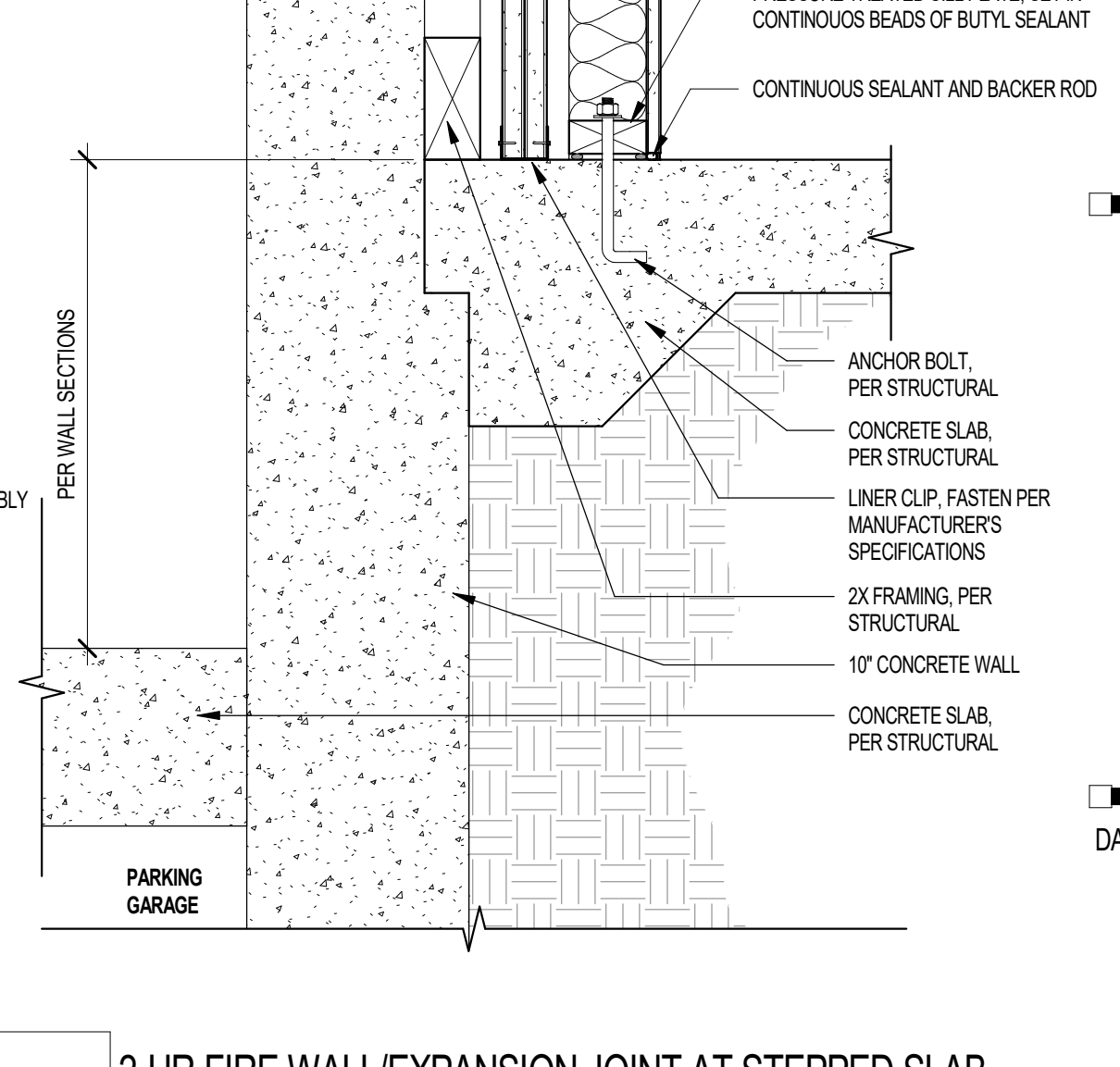
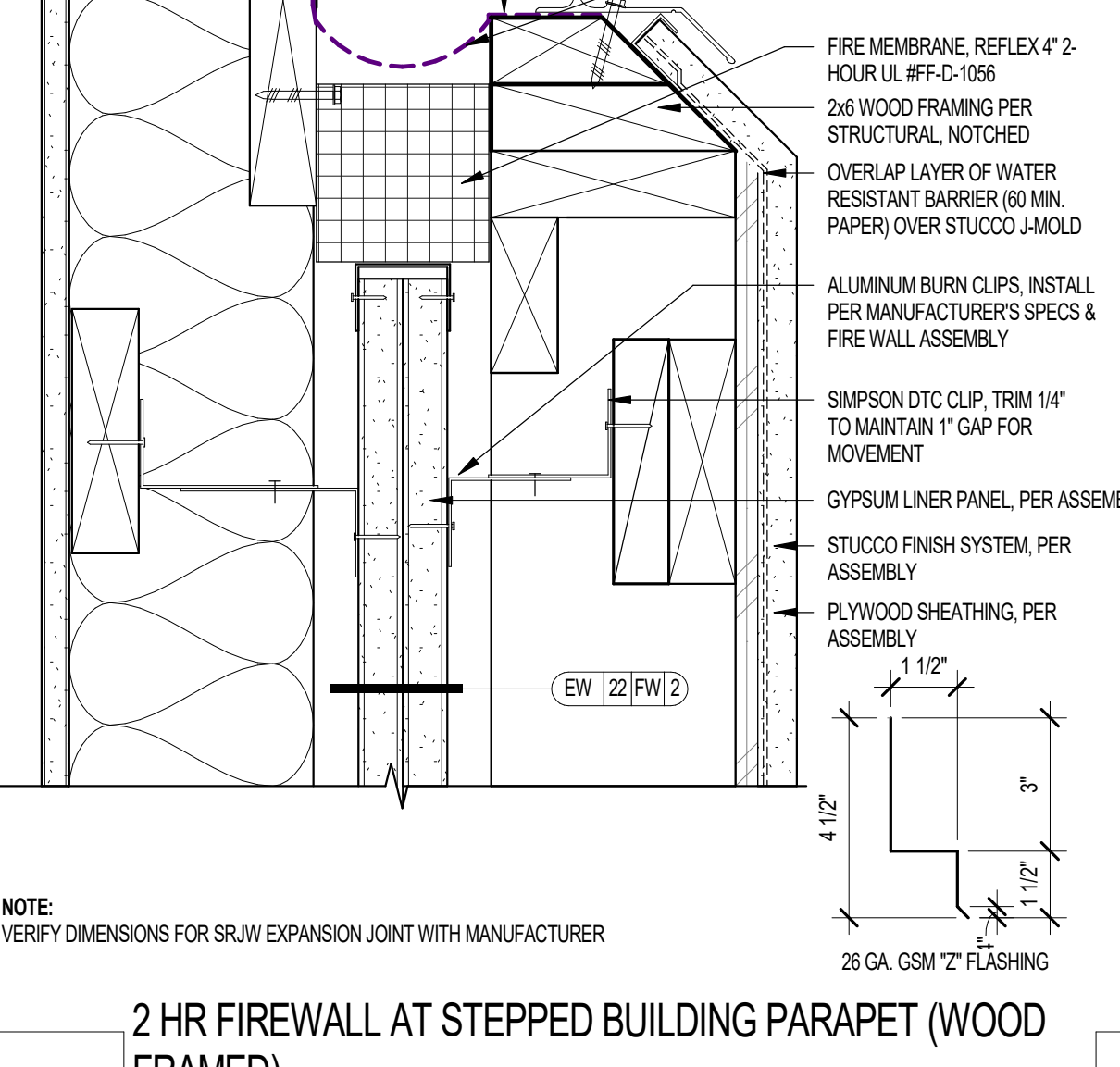
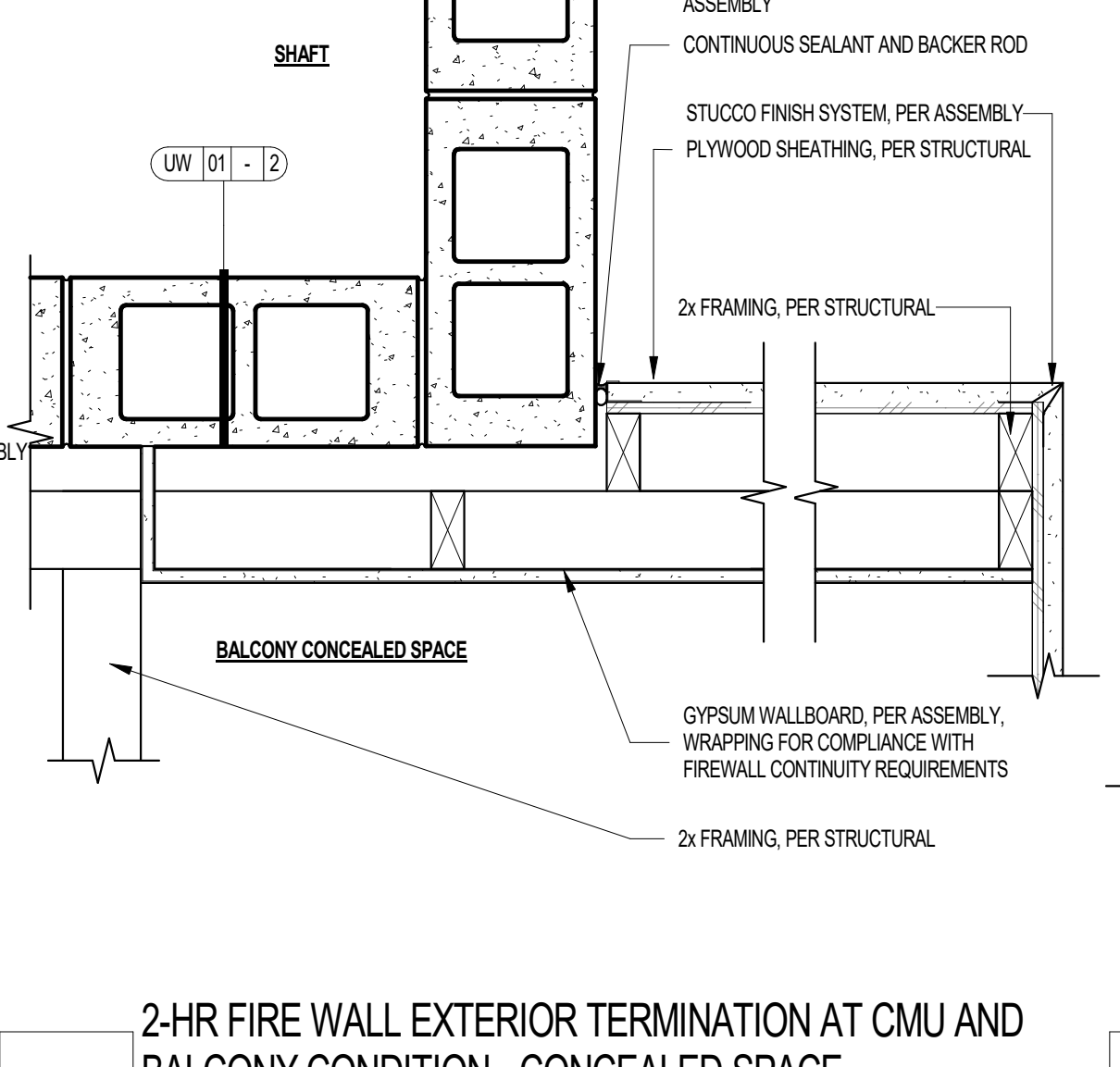
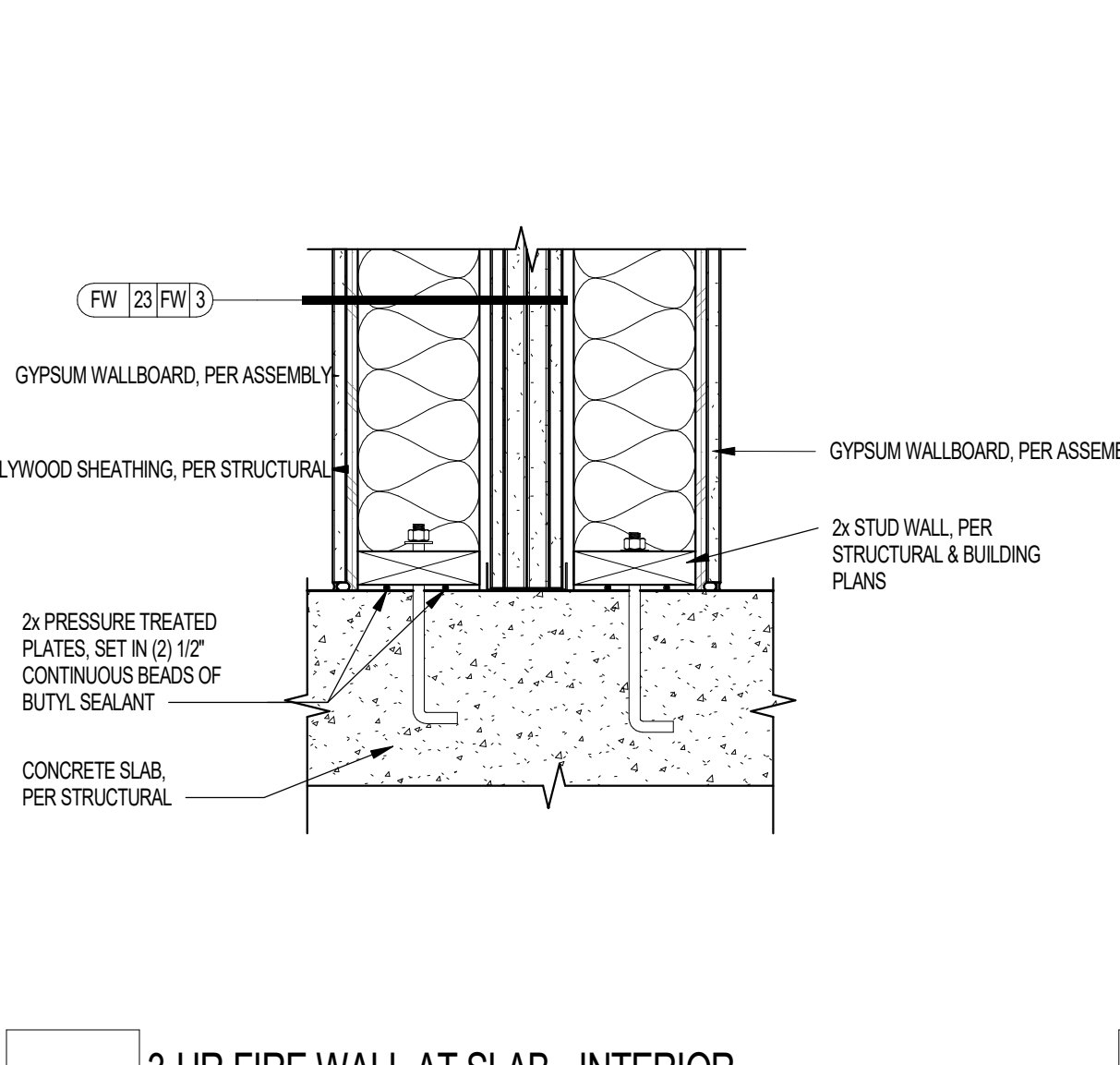
19 3-HR FIRE WALL EXTERIOR TERMINATION AT CMU AND BALCONY CONDITION SCALE: 1/12" = 1'-0"

15 3-HR FIRE WALL AT FLOOR / CEILING AT CORRIDOR PERPENDICULAR FLOOR TRUSSES SCALE: 1/12" = 1'-0"

11 3-HR FIRE WALL AT FLOOR / CEILING AT CORRIDOR PARALLEL FLOOR TRUSSES SCALE: 1/12" = 1'-0"

06 2-HR FIRE WALL/ EXPANSION JOINT AT FLOOR/ CEILING AT CMU WALL SCALE: 1/12" = 1'-0"

02 2-HR FIRE WALL/ EXPANSION JOINT AT FLOOR/ CEILING AT CMU WALL SCALE: 1/12" = 1'-0"



16 3-HR FIRE WALL AT SLAB - INTERIOR SCALE: 1/12" = 1'-0"

12 2-HR FIRE WALL EXTERIOR TERMINATION AT CMU AND BALCONY CONDITION - CONCEALED SPACE SCALE: 1/12" = 1'-0"

08 2-HR FIRE WALL AT STEPPED BUILDING PARAPET (WOOD FRAMED) SCALE: 3/8" = 1'-0"

04 2-HR FIRE WALL/ EXPANSION JOINT AT STEPPED SLAB SCALE: 1/12" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State



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CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the contractor to request to bill for work in a different cycle than the one specified in the contract. The contractor shall submit a written request for alternate billing to the architect no later than 30 days prior to the date of the next billing cycle. A written decision of the architect shall be provided to the contractor within 15 days of the receipt of the architect's decision.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

REVISIONS/SUBMITTALS

DATE	DESCRIPTION
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

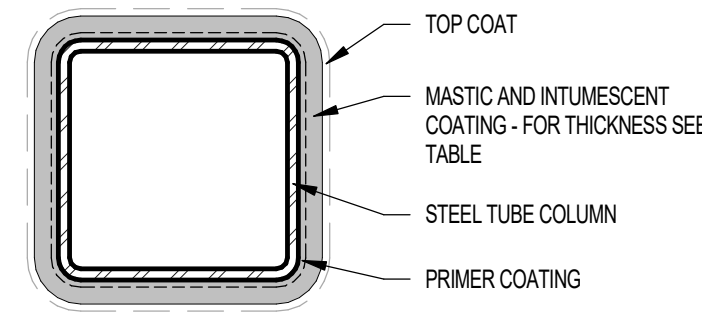
A7.1.43
FIRE ASSEMBLIES - 2-HR FIRE WALL/EXP. JOINT - 3-HR FIRE WALL

RATED COLUMN
May 12, 2022
FIRE TEST: UL DESIGN Y84
REFER TO UL PRODUCT WEBSITE FOR COMPLETE ASSEMBLY.

DESIGN NO. Y84
BVLV - FIRE RESISTANCE RATINGS - ANSI UL 263 CERTIFIED FOR UNITED STATES

1. STEEL TUBE COLUMN — STEEL RECTANGULAR TUBE (ST) OR PIPE (SP) COLUMNS WITH THE MINIMUM SIZES SHOWN IN THE TABLES BELOW.
2. PRIMER COATING — 60 MICRON (2 MIL) THICKNESS OF A TWO COMPONENT EPOXY PRIMER OR 60 MICRON (2 MIL) THICKNESS OF AN ALKYD PRIMER OR 60 MICRON (2 MIL) THICKNESS OF AN ACRYLIC PRIMER OR 60 MICRON (2 MIL) THICKNESS OF A POLYURETHANE PRIMER.
3. MASTIC & INTUMESCENT COATING — COATING SPRAY OR BRUSH APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AT THE MINIMUM AVERAGE DRY THICKNESS SHOWN IN THE THICKNESS BELOW. THE THICKNESS SHOWN DOES NOT INCLUDE PRIMER THICKNESS.
4. TOP COAT (NOT SHOWN) — THE FOLLOWING TOPCOATS SHALL BE USED FOR COMPLIANCE WITH EXTERIOR ENVIRONMENTAL EXPOSURE REQUIREMENT: SOLVENT BASED 2 PACK TOPCOAT TYPE HENSO/OP 2K PU APPLIED AT A DRY FILM THICKNESS OF 100 MICRONS (4 MIL) OR ACRYLIC POLYURETHANE TOPCOAT TYPE H SOLIDS POLYURETHANE 250 APPLIED AT A DRY FILM THICKNESS OF 100 MICRONS (4 MIL) OR WATERBASED URETHANE TOPCOAT TYPE ACROLON 100HS AT A DRY FILM THICKNESS OF 100 MICRONS (4 MIL).

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN SPECIFICATIONS



INTUMESCENT COATING THICKNESS					
MEMBER TYPE	MEMBER DESIGNATION	FIRE RATING	SECTION FACTOR	REQUIRED DRY FILM THICKNESS (DFT) (MILS)	REQUIRED (WET FILM THICKNESS) (WFT)
SQUARE HOLLOW SECTIONS	4x4x5/16	1-HR	0.29	112	160
SQUARE HOLLOW SECTIONS	4x4x1/4	1-HR	0.23	144	206
SQUARE HOLLOW SECTIONS	5x5x1/4	1-HR	0.22	144	206
SQUARE HOLLOW SECTIONS	5x5x3/8	1-HR	0.33	97	139
SQUARE HOLLOW SECTIONS	7x7x3/8	1-HR	0.34	93	133
SQUARE HOLLOW SECTIONS	10x10x3/8	1-HR	0.34	93	133

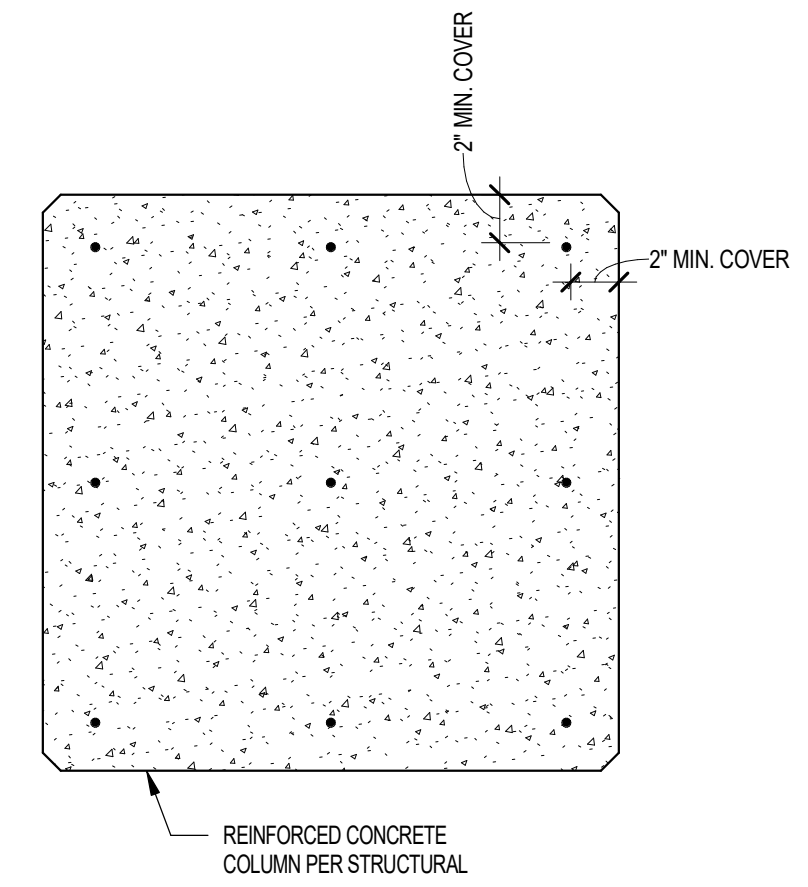
NOTE:
SPECIAL INSPECTION REQUIRED FOR INTUMESCENT FIRE-RESISTING COATING PER IBC 1705.15 MASTIC AND INTUMESCENT FIRE-RESISTANT COATING
REFER TO STRUCTURAL.

CC 03 1-HR RATED STEEL COLUMN W/INTUMESCENT COATING

SCALE: 3" = 1'-0"

CMU WALL WITH FACINGS OR ACCESSORIES - METAL SIDING
GENERIC ASSEMBLY
FIRE TEST: IBC TABLE 721.10.2(N)3, 3-1.1, 3-1.4
NO SOUND RATING REQUIRED AT EXTERIOR WALLS

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN SPECIFICATIONS



EXCERPT FROM TABLE 722.2.4 MINIMUM DIMENSION OF CONCRETE COLUMNS (INCHES)

TYPE OF CONCRETE	FIRE RESISTANCE RATING (HOURS)	
	2"	3"
SILICEOUS	10	12
CARBONATE	10	11
SAND-LIGHTWEIGHT	9	10/12

NOTE: FOR SL 1 INCH = 25 MM

3. THE MINIMUM DIMENSION IS PERMITTED TO BE REDUCED TO 8 INCHES FOR RECTANGULAR COLUMNS WITH TWO PARALLEL SIDES NOT LESS THAN 36 INCHES IN LENGTH.

PER IBC 722.2.4.2 MINIMUM COVER FOR RC COLUMNS, THE MINIMUM THICKNESS OF CONCRETE COVER TO THE MAIN LONGITUDINAL REINFORCEMENT IN COLUMNS, REGARDLESS OF THE TYPE OF AGGREGATE USED IN THE CONCRETE AND THE SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE, F'c SHALL NOT BE LESS THAN 1 INCH (25mm) TIMES THE NUMBER OF HOURS OF REQUIRED FIRE RESISTANCE OR 2 INCHES (51 mm), WHICHEVER IS LESS.

CONCRETE COLUMN FIRE RATING & CONCRETE COVER FOR 3HR RATED COLUMN

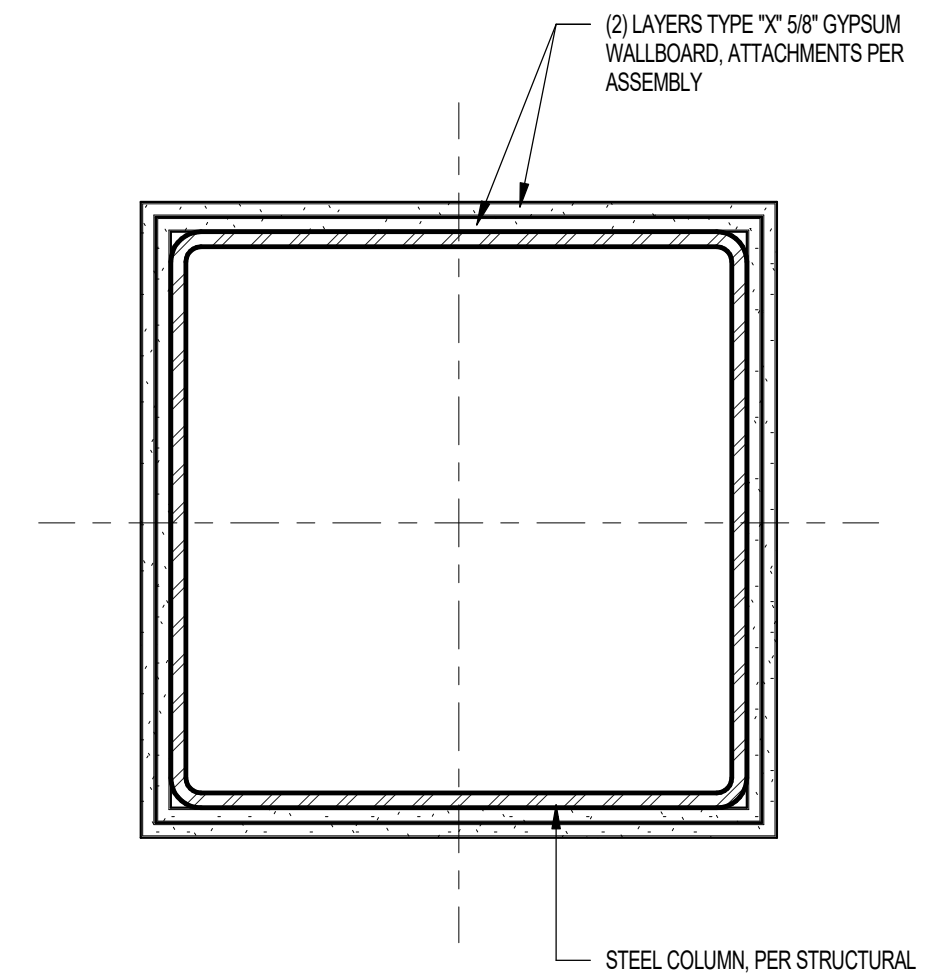
CC 01

2018 IBC TABLE 722.2.4

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

1-HR RATED STEEL COLUMN
GENERIC ASSEMBLY - June 2021
FIRE TEST: GA FILE NO. CM 1450

ARCHITECTURAL CONSTRUCTION DETAIL
NOTE: ALL INSTALLATION SHALL BE PER MANUFACTURER'S WRITTEN SPECIFICATIONS



DESIGN NO. HP 8068
GYPSUM WALLBOARD, GLASS MAT GYPSUM PANELS STEEL STUDS, INSULATION

FIRE TEST: UL NC505-(1-6), 71NK2639, 12-23-75, UL NC505, 71NK1518, UL Design X526

FIRE DESIGN:

BASE LAYER 1/2" TYPE X GYPSUM WALLBOARD APPLIED AROUND TS4X4X0.180 TUBE STEEL COLUMN AND HELD IN PLACE WITH PAPER MASKING TAPE. SECOND LAYER 1/2" TYPE X GYPSUM WALLBOARD APPLIED AROUND COLUMN AND HELD IN PLACE WITH PAPER MASKING TAPE. FACE LAYER EITHER NO. 24 HSG GALVANIZED STEEL COLUMN COVER CONSISTING OF TWO L-SHAPED SECTIONS WITH SNAP-LOCK SHEET STEEL JOINTS OR NO. 22 HSG GALVANIZED STEEL COLUMN COVERS CONSISTING OF TWO L-SHAPED SECTIONS WITH LAP JOINTS FASTENED WITH NO. 8X12 SHEET METAL SCREWS 12" O.C. HORIZONTAL JOINTS STAGGERED 24" BETWEEN LAYERS.

Project Name 1
Project Name 2

Street Address
City, State



WorldHQ@ORBArch.com

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Notice of alternate billing (or payment) cycle

This contract allows (they allow) the owner to request the admission of billing or advance in billing cycle when the first bill is due. This contract shall allow the owner to make payment on an alternate schedule after certification and approval of billing and estimates. A written decision of such other billing cycle options is the property and liability of the owner or the owner's designee.

CLIENT NAME

CLIENT ADDRESS

ELECTRICAL NUMBER

and the owner or its designee agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. In the event the project is altered, they are made in whole or in part. These drawings and specifications shall not be used for any other projects, for addition to this project or for completion of this project by others except by the expressed written permission of the Architect.

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DATE DESCRIPTION

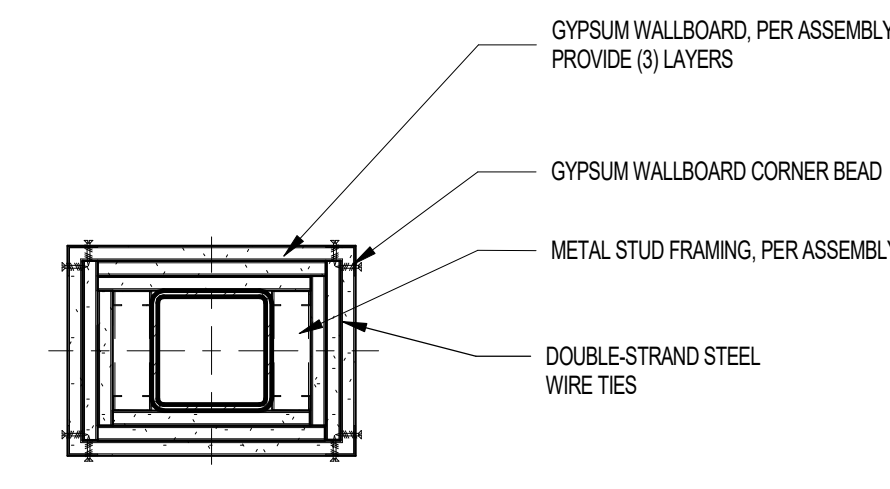
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.1.51
FIRE ASSEMBLIES - CONCRETE & STEEL COLUMNS

CC 02 1-HR RATED STEEL COLUMN

GA CM 1450

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



BASED ON IBC TABLE 721.101 ITEM 1.3.3
 THREE LAYERS OF 5/8" TYPE X GYPSUM WALLBOARD, EACH LAYER SCREW ATTACHED TO 1-1/8" STEEL STUDS 0.018" THICK (NO. 25 CARBON SHEET STEEL GAUGE) AT EACH CORNER OF COLUMN. MIDDLE LAYER ALSO SECURED WITH 0.049" (NO. 18 B.W. GAUGE) DOUBLE-STRAND STEEL WIRE TIES, 24" ON CENTER. SCREWS ARE NO. 8 BY 1" SPACED 24" ON CENTER FOR INNER LAYER, NO. 8 BY 1-5/8" SPACED 12" ON CENTER FOR MIDDLE LAYER AND NO. 8 BY 2-1/4" SPACED 12" ON CENTER FOR OUTER LAYER.

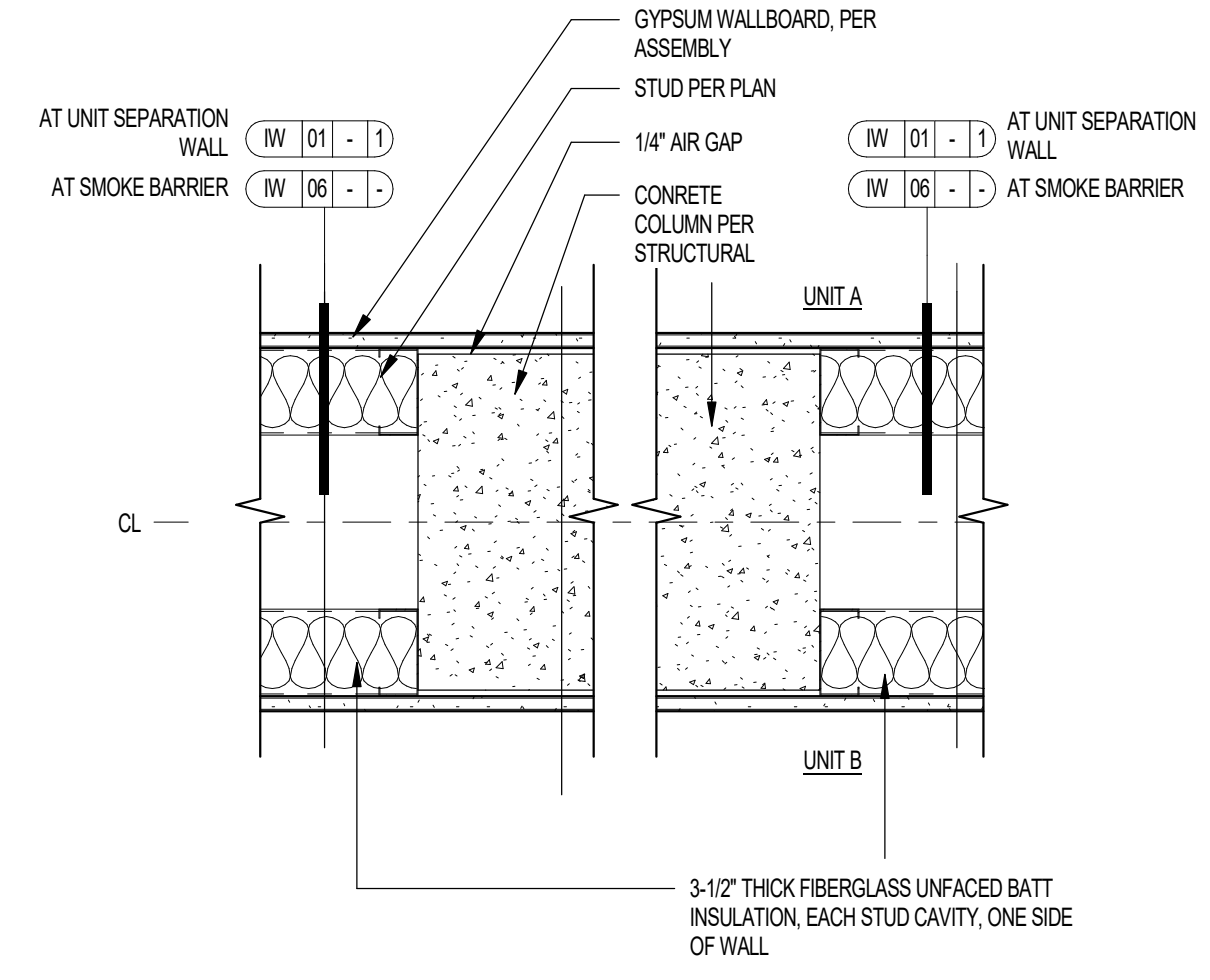
Project Name 1
Project Name 2

Street Address
 City, State



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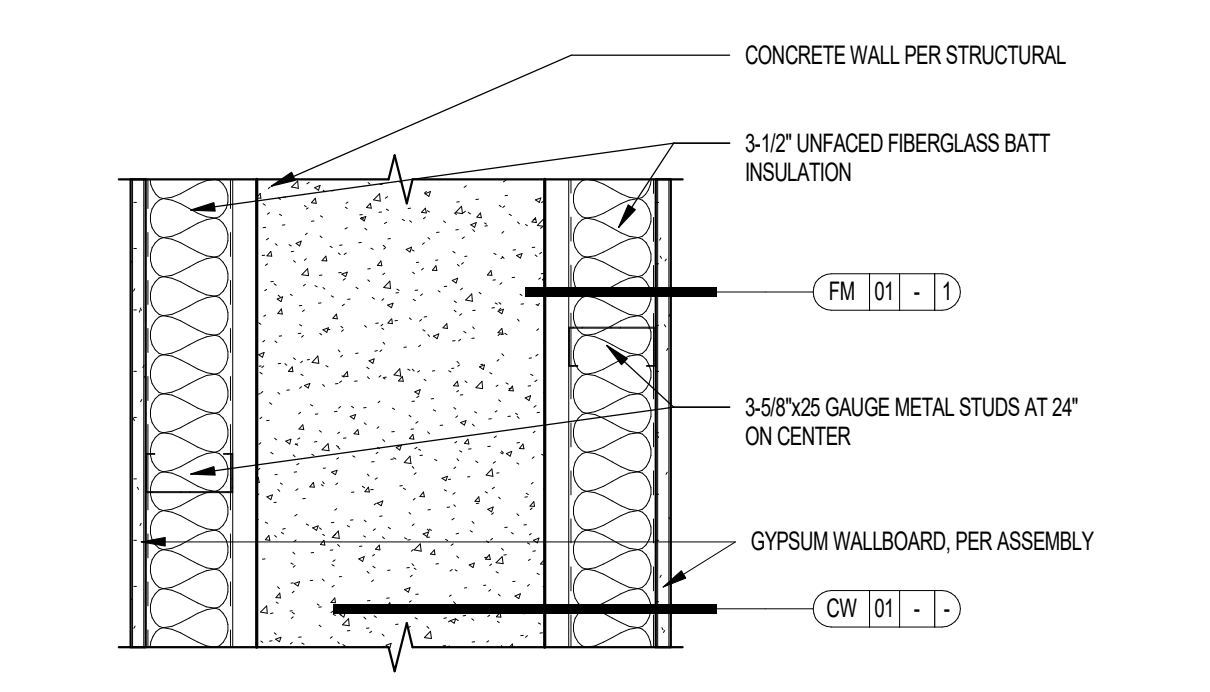
01 3 HR FIRE RATED PROTECTION AT COLUMN WITH GYPSUM BOARD
 SCALE: 1 1/2" = 1'-0"



**PRELIMINARY
 NOT FOR
 CONSTRUCTION**



02 1-HR WALL AT CONCRETE COLUMN - METAL FRAMING
 SCALE: 1 1/2" = 1'-0"

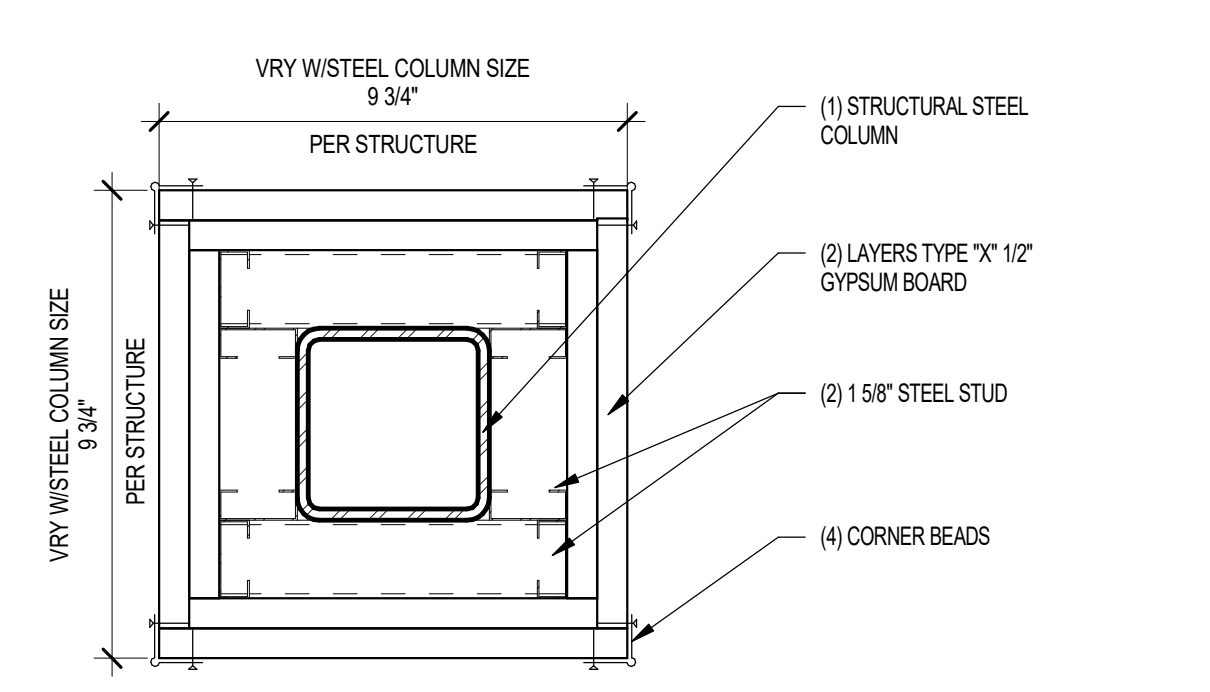


NOTE:
 ALL ASSEMBLIES FORMING SMOKE BARRIERS OR SMOKE PARTITIONS SHALL BE SEALED TO PREVENT THE PASSAGE OF SMOKE AS REQUIRED BY CODE

Notice of alternate billing (or payment) cycle
 This contract allows (they allow) the owner to request the admission of change or additions to billing cycle after the first date. This contract shall be subject to the terms, conditions and specifications set forth in the contract documents. A further description of such other billing cycle applies to the project is available from the owner or the owner's design engineer at:

SW 02 1-HOUR SMOKE BARRIER AT SHEAR WALL

03 1-HR UNIT SEPARATION WALL AT CONC. SHEAR WALL
 SCALE: 1 1/2" = 1'-0"



NOTE:
 CONSTRUCT PER COLUMN PROTECTION DETAIL

CLIENT NAME
 CLIENT ADDRESS
 CLIENT PHONE NUMBER
 and the owner or its designated agent shall provide the written decision or request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not reproduce these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, for addition to this project, or for completion of this project by others except by the expressed written permission of the Architect.

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REVISIONS/SUBMITTALS	
DATE	DESCRIPTION

04 1HR FIRE RATED STEEL COLUMN GYP. PROTECTION SQUARE PROFILE
 SCALE: 3" = 1'-0"

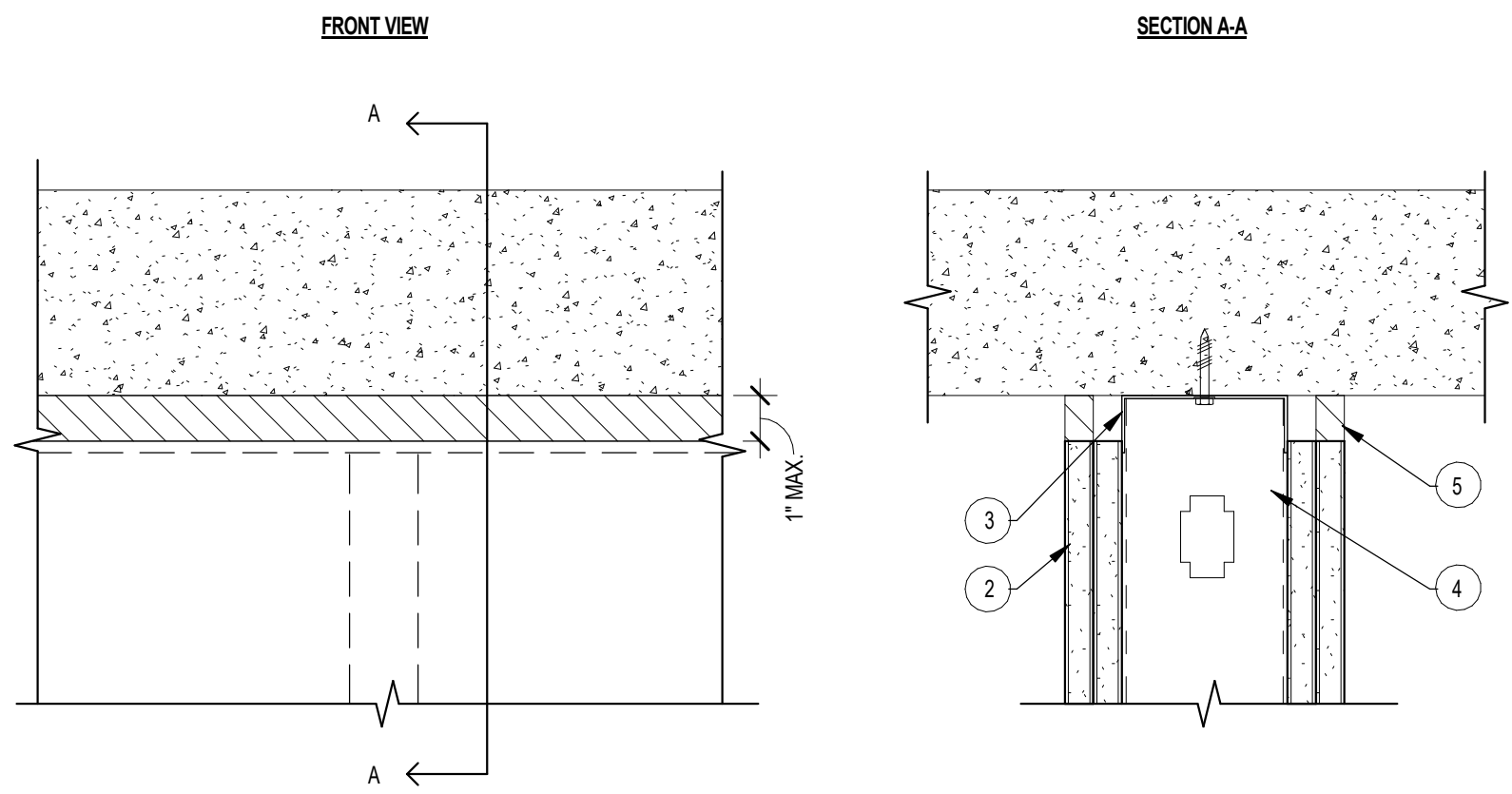
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.1.52
 FIRE RATED COLUMN PROTECTION

UL/cUL SYSTEM NO. HW-D-0209

TOP OF WALL JOINT: GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HOUR OR 2-HOUR (DEPENDS ON RATING OF WALL AND FLOOR ASSEMBLY)
CLASS II MOVEMENT CAPABILITIES - 10% COMPRESSION OR EXTENSION
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L-RATING AT 400° F = LESS THAN 1 CFM / LIN FT (SEE NOTE NO. 2 BELOW)
L-RATING AT 400° F = LESS THAN 1 CFM / LIN FT (SEE NOTE NO. 2 BELOW)



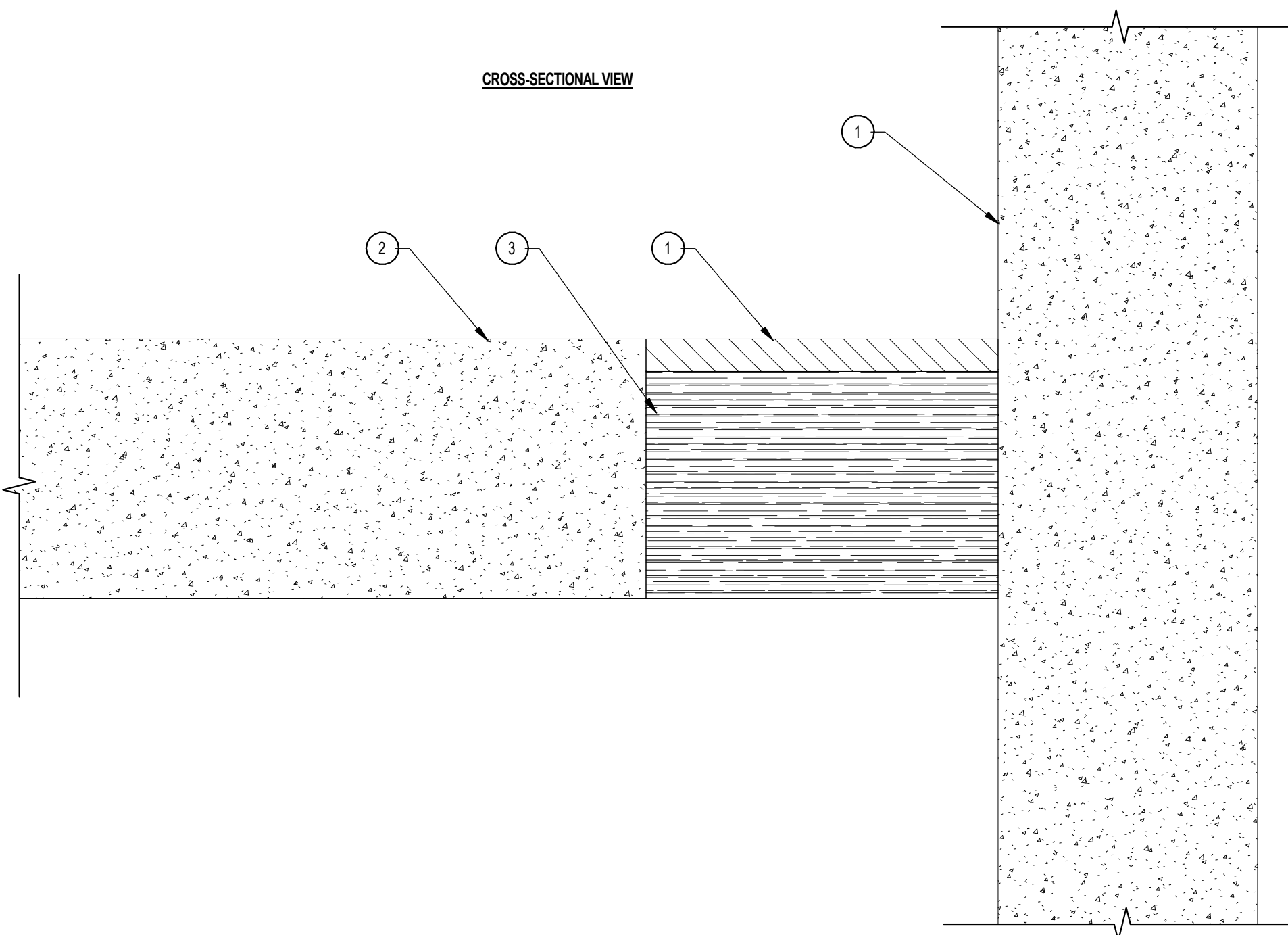
- 1. CONCRETE FLOOR ASSEMBLY (1-HOUR OR 2-HOUR FIRE-RATING)
A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL ASSEMBLY (MINIMUM 4-1/2 INCH THICK)
B. ANY UL/cUL CLASSIFIED PRE-CAST HOLLOW CORE CONCRETE FLOOR ASSEMBLY (MINIMUM 6 INCH THICK)
2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HOUR OR 2-HOUR FIRE-RATING) (2-HOUR SHOWN)
3. CEILING RUNNER (MINIMUM 25 GAUGE, FLANGE HEIGHT OF CEILING RUNNER SHALL BE MINIMUM 1/4 INCH GREATER THAN MAXIMUM EXTENDED JOINT WIDTH) FASTENED TO UNDERSIDE OF CONCRETE FLOOR WITH STEEL MASONRY ANCHORS OR STEEL FASTENERS (SPACED MAXIMUM 24 INCH ON CENTER) (SEE NOTE BELOW)
4. STEEL STUDS (MINIMUM 3-1/2 INCH WIDE), CUT 1/2 INCH TO 3/4 INCH LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT
5. MINIMUM 5/8 INCH DEPTH HLT/ CP 6015 ELASTOMERIC FIRESTOP SEALANT, CP 606 FLEXIBLE FIRESTOP SEALANT, OR HLT/ CP S-S SIL GG FIRESTOP SILICONE SEALANT.

NOTES:
1. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO.3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.
2. L-RATING ONLY APPLIES WHEN HLT/ CP 606 FLEXIBLE FIRESTOP SEALANT IS USED.
3. [OPTIONAL, NOT SHOWN] MINERAL WOOL, FIBERGLASS, OR POLYURETHANE/POLYETHYLENE FOAM BACKER ROD MAY BE USED AS A BACKER IN 2-HOUR WALLS.

UL/cUL SYSTEM NO. FW-D-1037

FIRE-RATED JOINT THROUGH CONCRETE FLOOR ASSEMBLY

ASSEMBLY RATING = 2-HOUR
CLASS MOVEMENT CAPABILITIES = 10% COMPRESSION OR EXTENSION



- 1. CONCRETE WALL ASSEMBLY (2-HOUR FIRE-RATING)
A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 4-1/2 INCH THICK)
B. ANY UL CLASSIFIED CONCRETE BLOCK WALL
2. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2 INCH THICK) (2-HOUR FIRE-RATING)
3. MINIMUM 4 INCH THICKNESS MINERAL WOOL SAFING (MINIMUM 4 PCF DENSITY) COMPRESSED 50%
4. MINIMUM 1/2 INCH DEPTH HLT/ CP 604 SELF-LEVELING FIRESTOP SEALANT, HLT/ CP S-S SIL GG FIRESTOP SILICONE SEALANT, OR HLT/ CP S-S SIL GG FIRESTOP SILICONE SEALANT.

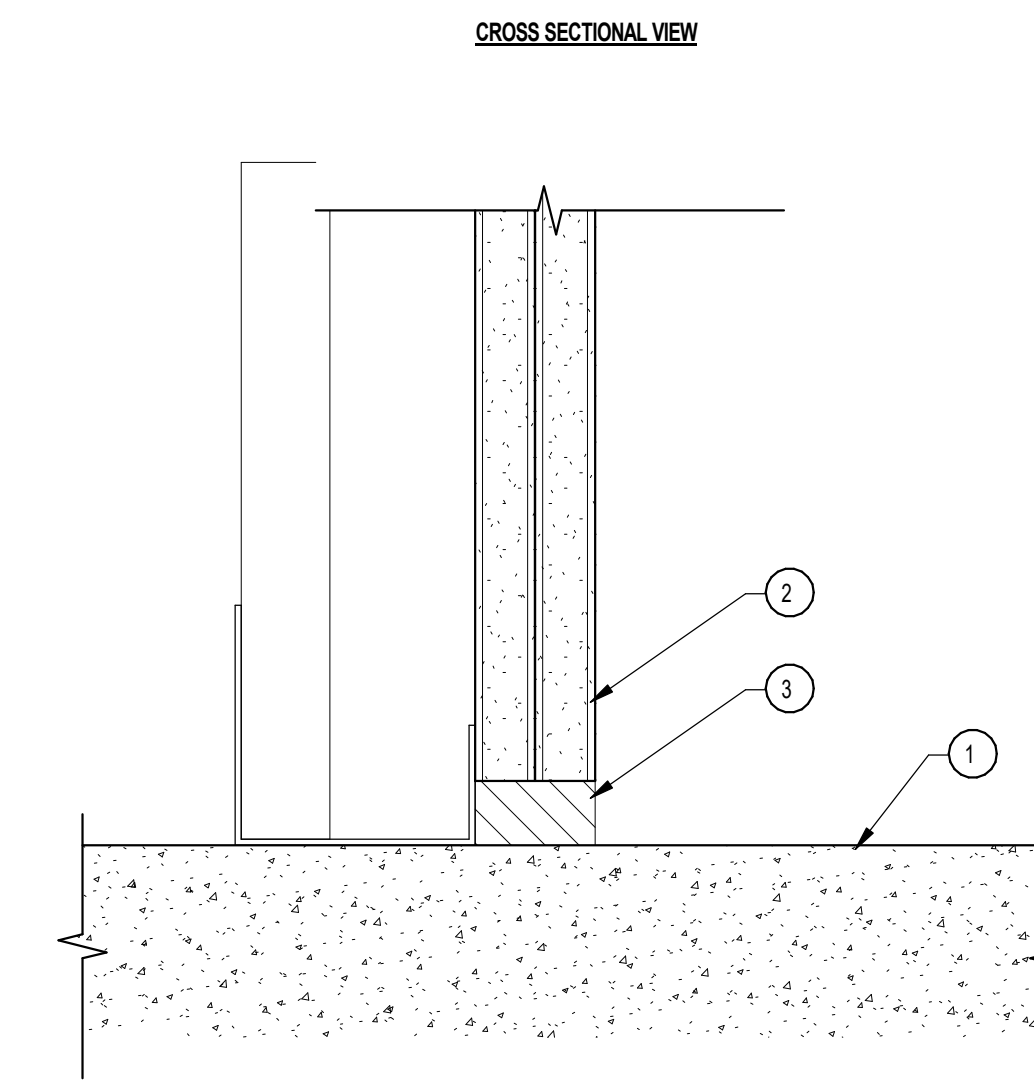
NOTES:
1. MAXIMUM WIDTH OF JOINT = 6 INCH

UL/cUL SYSTEM NO. BW-S-0023

February 02, 2022

BOTTOM OF WALL JOINT: GYPSUM SHAFT WALL ASSEMBLY

ASSEMBLY RATING 1-HOUR OR 2-HOUR



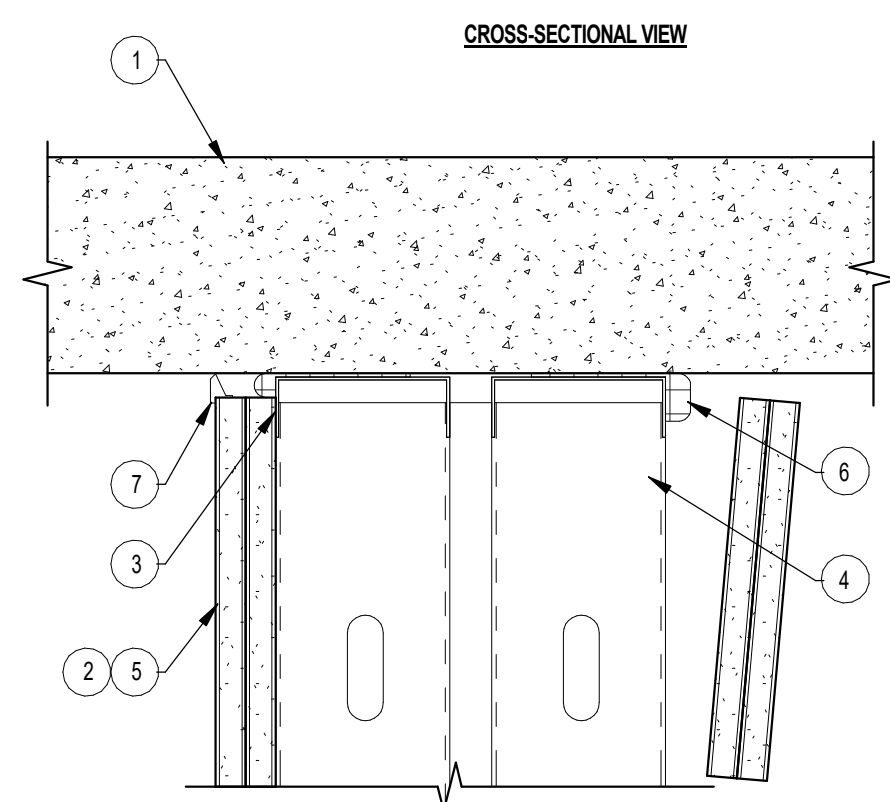
- 1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR ASSEMBLY (MINIMUM 2-1/2" THICK) (1-HR OR 2-HR FIRE-RATING)
2. GYPSUM SHAFT WALL ASSEMBLY (UL/cUL CLASSIFIED U400 OR V400 SERIES) (1-HR OR 2-HR FIRE-RATING) (2-HR SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. 2" SHARP CEILING RUNNER (MINIMUM 3-1/2" WIDE WITH LEGS OF 1-1/4" AND 2" (MINIMUM 24 GA) FASTENED TO TOP SIDE OF CONCRETE FLOOR WITH STEEL FASTENERS AT LOCATION NOT GREATER THAN 2" FROM ENDS AND MAXIMUM 24" O.C.
B. "C" SHAPED STUDS (MINIMUM 2-1/2" WIDE, MINIMUM 25 GA) CUT 3/8" TO 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT
C. NOMINAL 1" THICK GYPSUM LINER PANEL, TYPE AND SHEET ORIENTATION AS SPECIFIED IN THE INDIVIDUAL UL/cUL DESIGN
D. NOMINAL 1/2" OR 5/8" THICK GYPSUM WALLBOARD, TYPE, NUMBER OF LAYERS, AND SHEET ORIENTATION AS SPECIFIED IN THE INDIVIDUAL UL/cUL DESIGN
3. HLT/ CP 606 FLEXIBLE FIRESTOP SEALANT, HLT/ CP S-S SIL GG FIRESTOP SILICONE SEALANT, OR HLT/ CP 606 BOTTOM OF WALL FIRESTOP SEALANT INSTALLED THE FULL DEPTH OF GYPSUM BOARD AND FLUSH WITH THE FINISH SIDE OF WALL. (SEE NOTES NO. 1 AND 2 BELOW)

NOTES:
1. MAXIMUM WIDTH OF JOINT [FOR HLT/ CP 606] = 1 INCH
2. MAXIMUM WIDTH OF JOINT [FOR HLT/ CP 605] = 3/4 INCH

UL/cUL SYSTEM NO. HW-D-0758

TOP OF WALL JOINT: GYPSUM CHASE WALL ASSEMBLY

ASSEMBLY RATING = 1-HOUR OR 2-HOUR
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L-RATING AT 400° F = LESS THAN 1 CFM / LIN FT
CLASS II AND III MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION OR 60% COMPRESSION ONLY (SEE NOTES NO. 2 AND 3 BELOW)



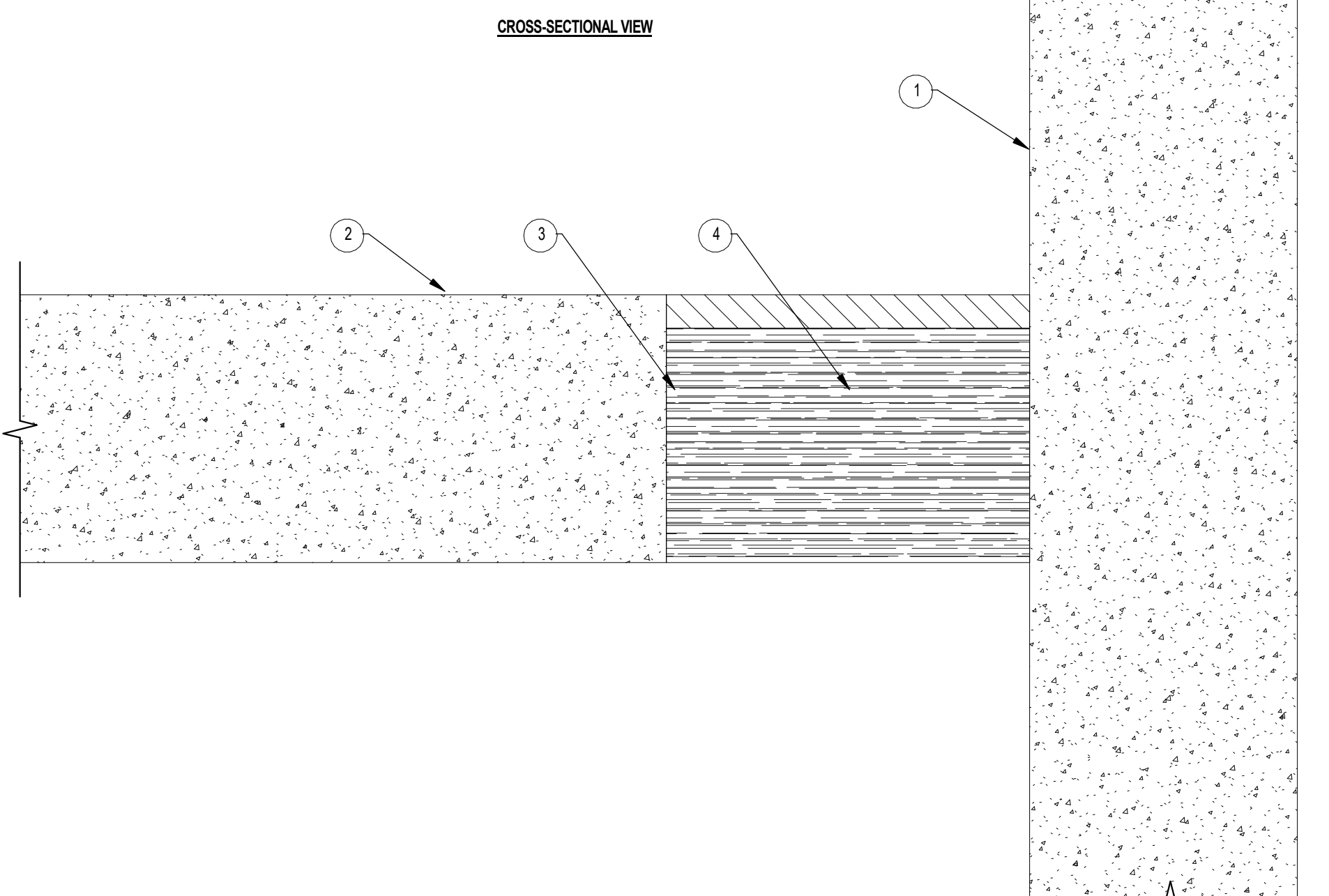
- 1. CONCRETE FLOOR ASSEMBLY (1-HOUR OR 2-HOUR FIRE-RATING)
A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL ASSEMBLY (MINIMUM 4-1/2 INCH THICK)
B. ANY UL/cUL CLASSIFIED PRE-CAST HOLLOW CORE CONCRETE FLOOR (MINIMUM 6 INCH THICK)
2. GYPSUM CHASE/DOUBLE STUD WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HOUR OR 2-HOUR FIRE-RATING) (2-HR SHOWN)
3. CEILING RUNNER (MINIMUM 25 GAUGE, FLANGE HEIGHT OF CEILING RUNNER SHALL BE MINIMUM 1/4 INCH GREATER THAN MAXIMUM EXTENDED JOINT WIDTH) FASTENED TO UNDERSIDE OF CONCRETE FLOOR WITH MASONRY ANCHORS OR STEEL FASTENERS (SPACED MAXIMUM 24 INCH ON CENTER) (SEE NOTE NO. 1 BELOW)
4. STEEL STUDS (MINIMUM 2-1/2 INCH WIDE), CUT 3/4 INCH TO 1 INCH LESS IN LENGTH THAN ASSEMBLY HEIGHT WITH BOTTOM NESTING IN CEILING RUNNER WITHOUT ATTACHMENT
5. 5/8 INCH OR 1-1/4 INCH THICKNESS GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN. TOP ROW OF SCREWS SHALL BE INSTALLED INTO STUD 1 INCH TO 1-1/2 INCH BELOW THE BOTTOM EDGE OF THE CEILING RUNNER
6. HLT/ CP S-TTS 358, CP S-TTS 600, OR CP S-TTS 05 TOP TRACK SEAL INSTALLED OVER CEILING RUNNER PRIOR TO ATTACHMENT TO UNDERSIDE OF CONCRETE FLOOR IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS.
7. [OPTIONAL] PVC WALL MOUNTED DEFLECTION BEAD (BY TRIM-TEK INC. INSTALLED PER MANUFACTURER'S INSTRUCTIONS. DEFLECTION BEAD INSTALLED ON ONE OR BOTH SIDES OF WALL.

NOTES:
1. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO.3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.
2. TO ACCOMMODATE MAX 50% COMPRESSION OR EXTENSION MAXIMUM WIDTH OF JOINT = 12 INCH.
3. TO ACCOMMODATE MAX 60% COMPRESSION ONLY MAXIMUM WIDTH OF JOINT = 3/4 INCH.

UL/cUL SYSTEM NO. FW-D-1092

FIRE-RATED JOINT THROUGH CONCRETE FLOOR ASSEMBLY

ASSEMBLY RATING = 4-HOUR
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L-RATING AT 400° F = LESS THAN 1 CFM / LIN FT
CLASS MOVEMENT CAPABILITIES = 12.5% COMPRESSION OR EXTENSION



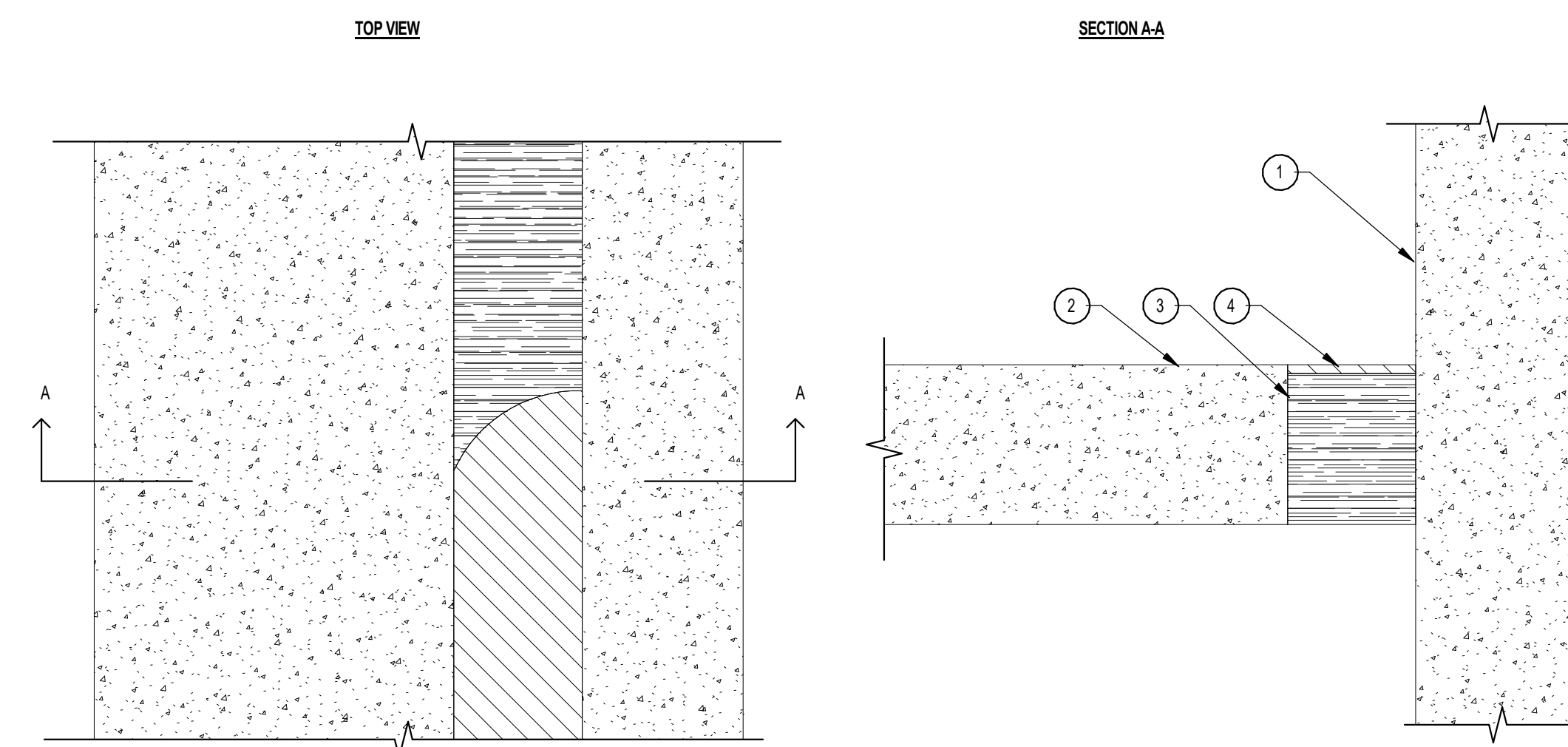
- 1. CONCRETE WALL ASSEMBLY (4-HOUR FIRE-RATING)
A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 5-1/2 INCH THICK)
B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL
2. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 5-1/2 INCH THICK) (2-HOUR FIRE-RATING)
3. MINIMUM 5 INCH THICKNESS MINERAL WOOL SAFING (MINIMUM 4 PCF DENSITY) COMPRESSED 50% AND RECESSED TO ACCOMMODATE FIRESTOP SEALANT
4. MINIMUM 1/4 INCH DEPTH HLT/ CP S-S SIL GG OR CP S-S SIL GG FIRESTOP SILICONE SEALANT, FLUSH WITH THE TOP SURFACE OF FLOOR.

NOTES:
1. MAXIMUM WIDTH OF JOINT = 3 INCH

UL/cUL SYSTEM NO. FW-D-1011

FIRE-RATED JOINT THROUGH CONCRETE FLOOR ASSEMBLY

F-RATING = 3-HOUR
CLASS II MOVEMENT CAPABILITIES - 14% COMPRESSION OR EXTENSION



- 1. CONCRETE WALL ASSEMBLY (3-HR FIRE-RATING)
A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 4-1/2 INCH THICK)
B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL
2. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2 INCH THICK) (3-HOUR FIRE-RATING)
3. MINIMUM 4-1/4 INCH THICKNESS MINERAL WOOL SAFING (MINIMUM 4 PCF DENSITY) COMPRESSED MINIMUM 42%
4. MINIMUM 1/4 INCH DEPTH HLT/ CP S-S SIL GG FIRESTOP SILICONE SEALANT, HLT/ 6015 ELASTOMERIC FIRESTOP SEALANT, OR HLT/ CP S-S SIL GG FIRESTOP SILICONE SEALANT

NOTES:
1. MAXIMUM WIDTH OF JOINT = 3-1/2 INCH



Notice of alternate billing (or payment) cycle
This contract allows the owner the right to request the submission of billing or advance in billing cycle when the project is in progress. This contract shall be subject to the terms and conditions of the contract and shall be subject to the terms and conditions of the contract. A written decision of the owner shall be final and binding on the contractor.

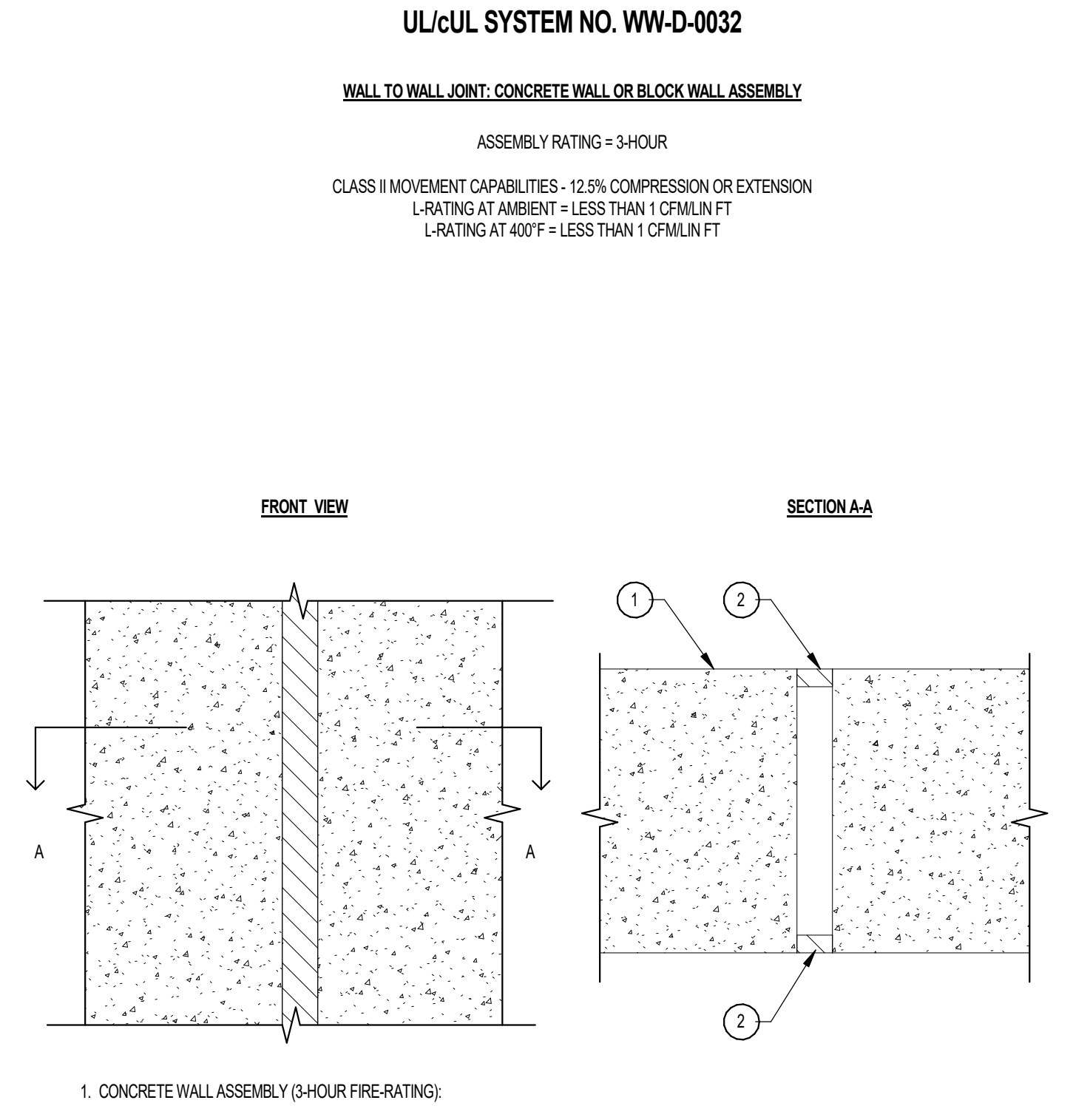
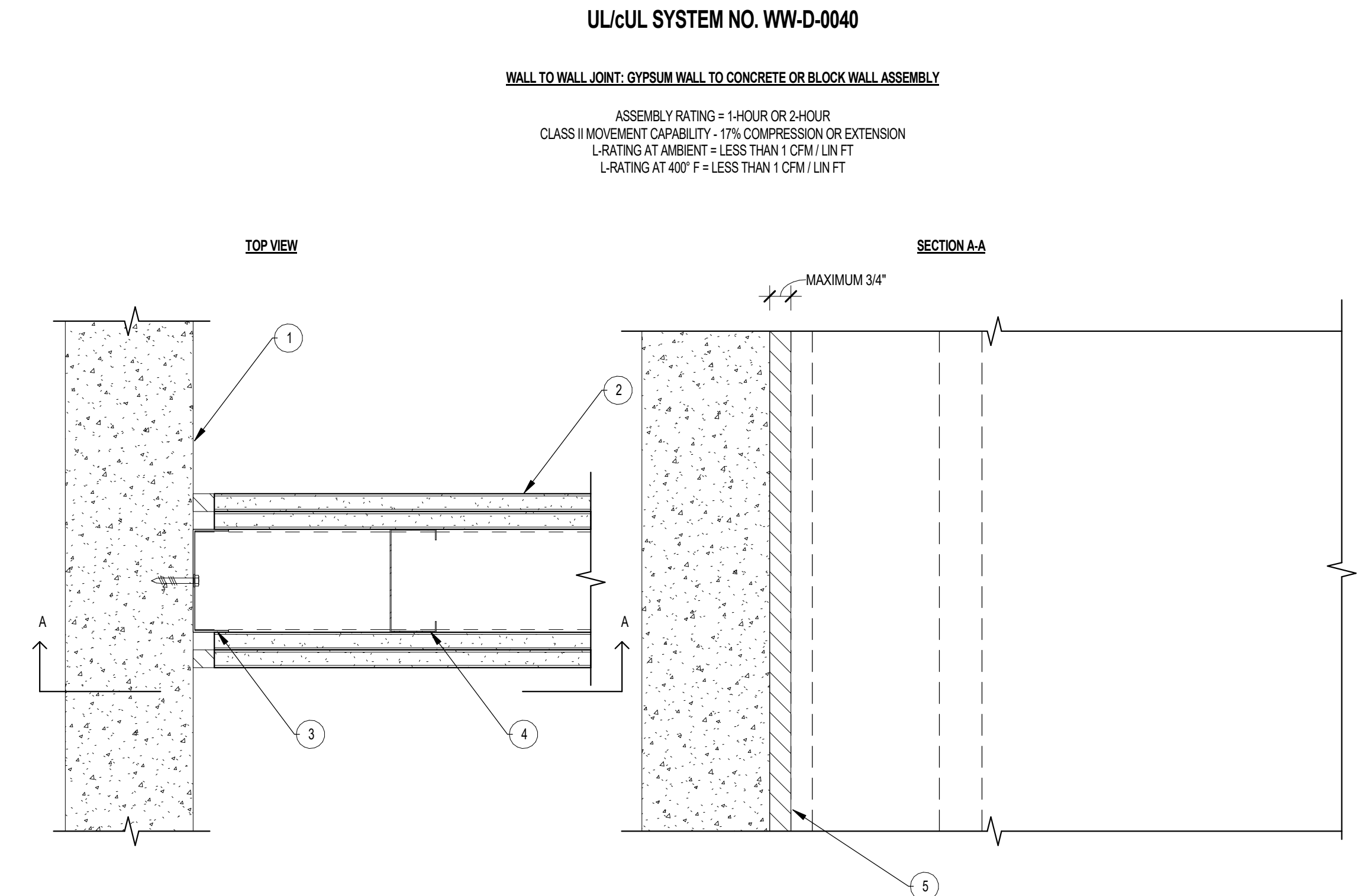
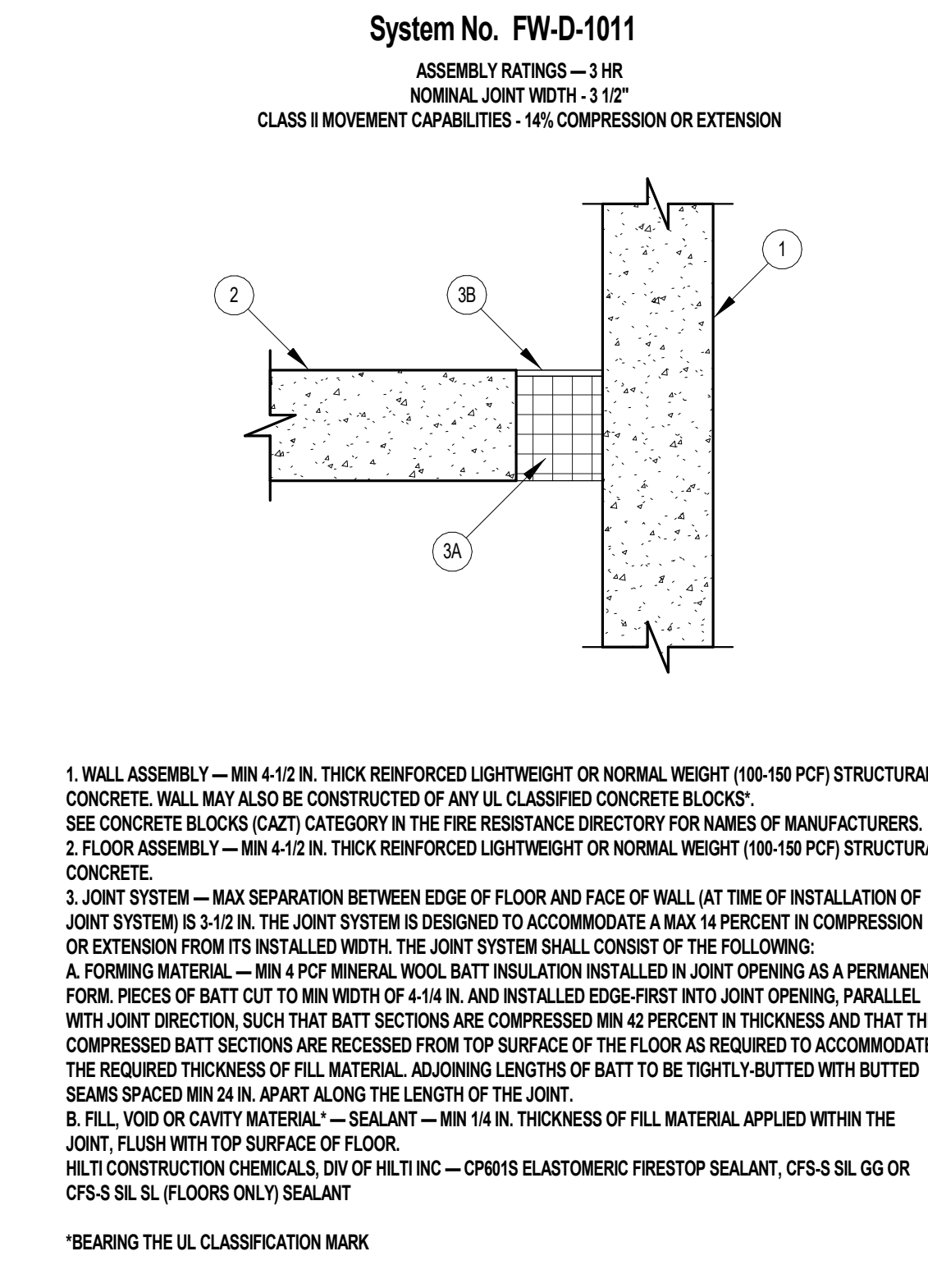
CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are intended to serve as a guide and shall remain the property of the Architect. The project is subject to change without notice and the contractor shall be responsible for staying current with the project. It is the contractor's responsibility to verify all dimensions and specifications of the project before starting the project and to provide the requested information to the Architect.

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Table with 2 columns: REVISIONS, SUBMITTALS, DATE, DESCRIPTION



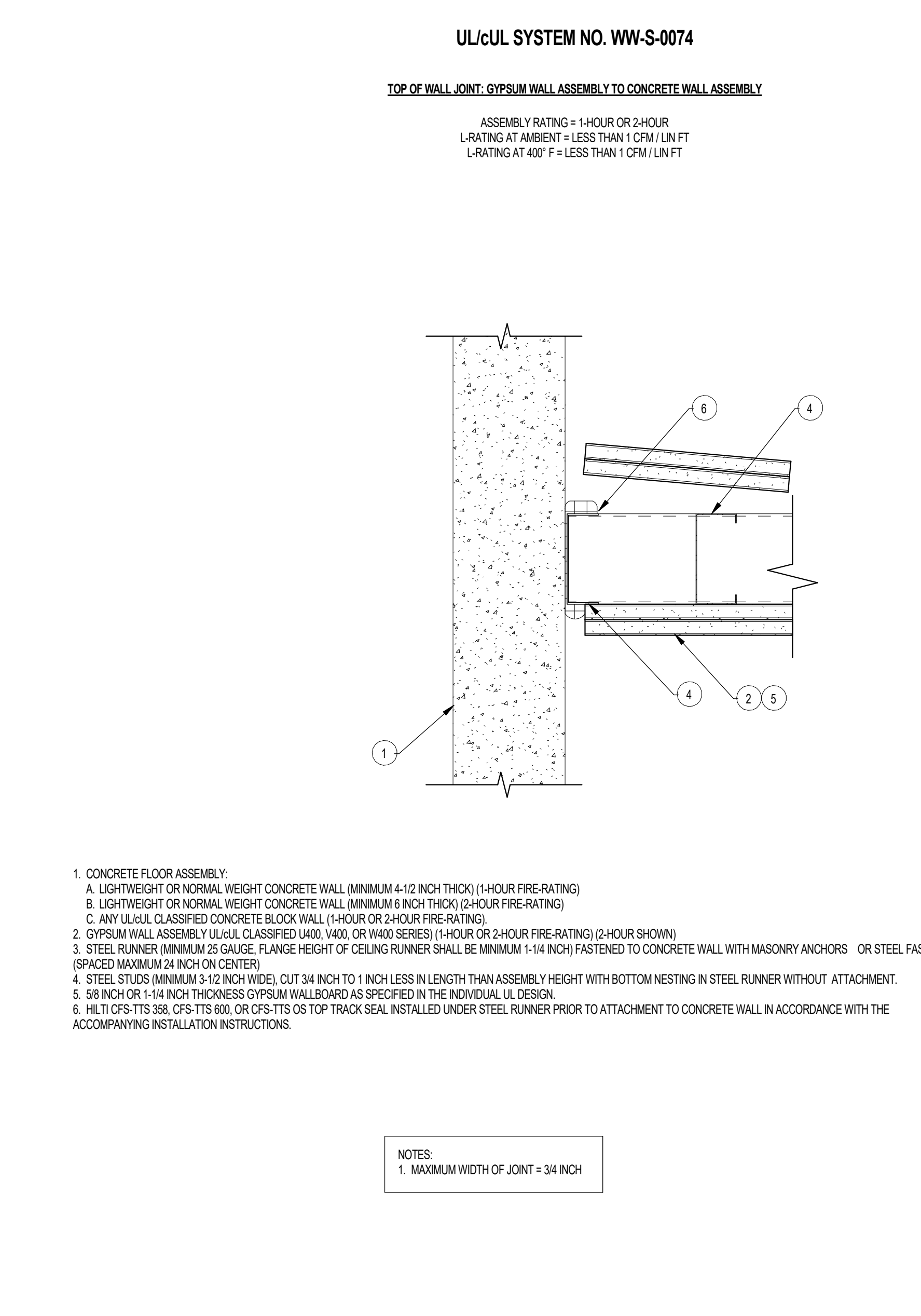
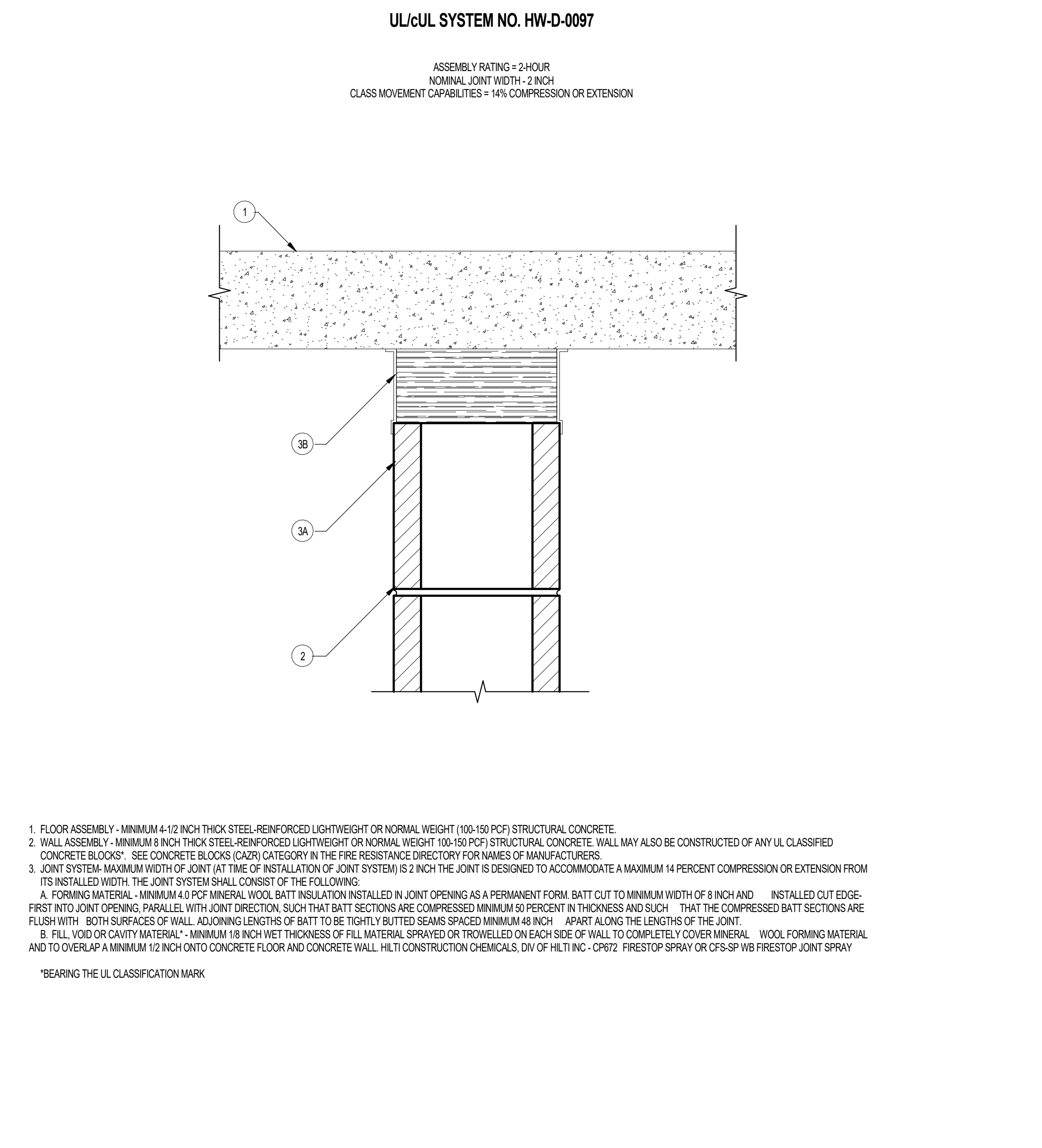
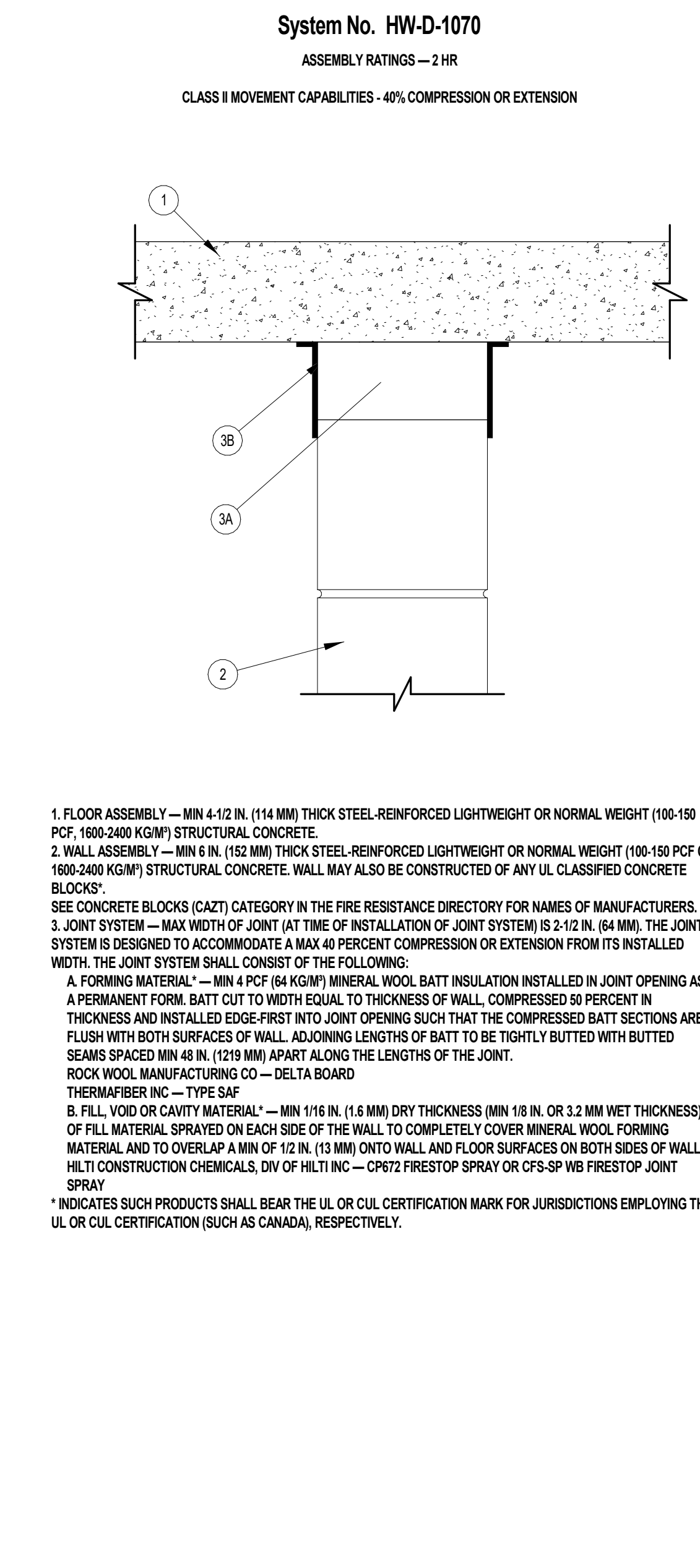
NOTES:
1. (OPTIONAL, NOT SHOWN) MINERAL WOOL, FIBERGLASS, OR POLYURETHANE/POLYETHYLENE FOAM BACKER ROD MAY BE USED AS A BACKER IN 2-HOUR WALLS.
2. L-RATING ONLY APPLIES WHEN HLTI CP 806 FLEXIBLE FIRESTOP SEALANT IS USED.

NOTES:
1. MAXIMUM WIDTH OF JOINT = 1 INCH
2. (OPTIONAL) (NOT SHOWN) MINERAL WOOL OR POLYURETHANE FOAM BACKER ROD MAY BE USED AS A BACKER FOR FIRESTOP SEALANT.

42 FIRE-RATED JOINT THROUGH CONCRETE FLOOR ASSEMBLY (3HR) NOT TO SCALE

38 WALL TO WALL JOINT- GYPSUM WALL ASSEMBLY TO CONCRETE WALL ASSEMBLY NOT TO SCALE

30 WALL TO WALL JOINT- CONCRETE WALL OR BLOCK WALL ASSEMBLY NOT TO SCALE



NOTES:
1. MAXIMUM WIDTH OF JOINT = 3/4 INCH

44 RATED JOINT AT CMU WALL TO CONCRETE SLAB - 40% COMPRESSIBLE NOT TO SCALE

40 RATED JOINT AT CMU WALL TO CONCRETE NOT TO SCALE

32 WALL TO WALL JOINT- GYPSUM WALL ASSEMBLY TO CONCRETE WALL ASSEMBLY NOT TO SCALE

Project Name 1
Project Name 2
Street Address
City, State



PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows (they allow) the owner to request the admission of change or addition to billing cycle after the first date. This contract also allows the owner to request an alternate billing cycle after certification and approval of billing and estimates. A written decision of such other billing cycle applies to the project or schedule from the owner or the owner's design agent at

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

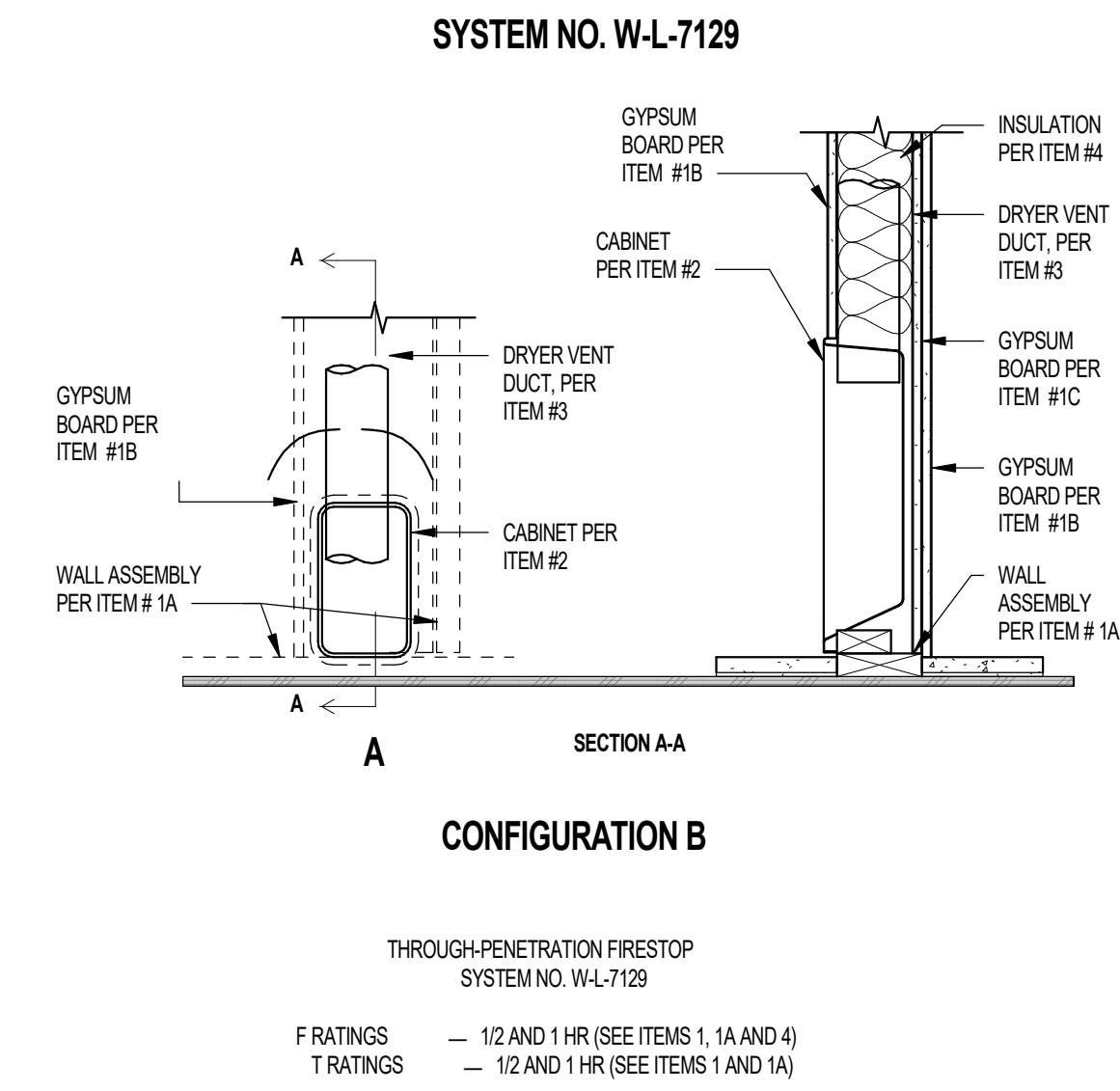
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is altered. They are made available for the project and specifications shall not be used by anyone for any other projects. In addition to the project, for completion of this project, the drawings and specifications shall be the property of the Architect.

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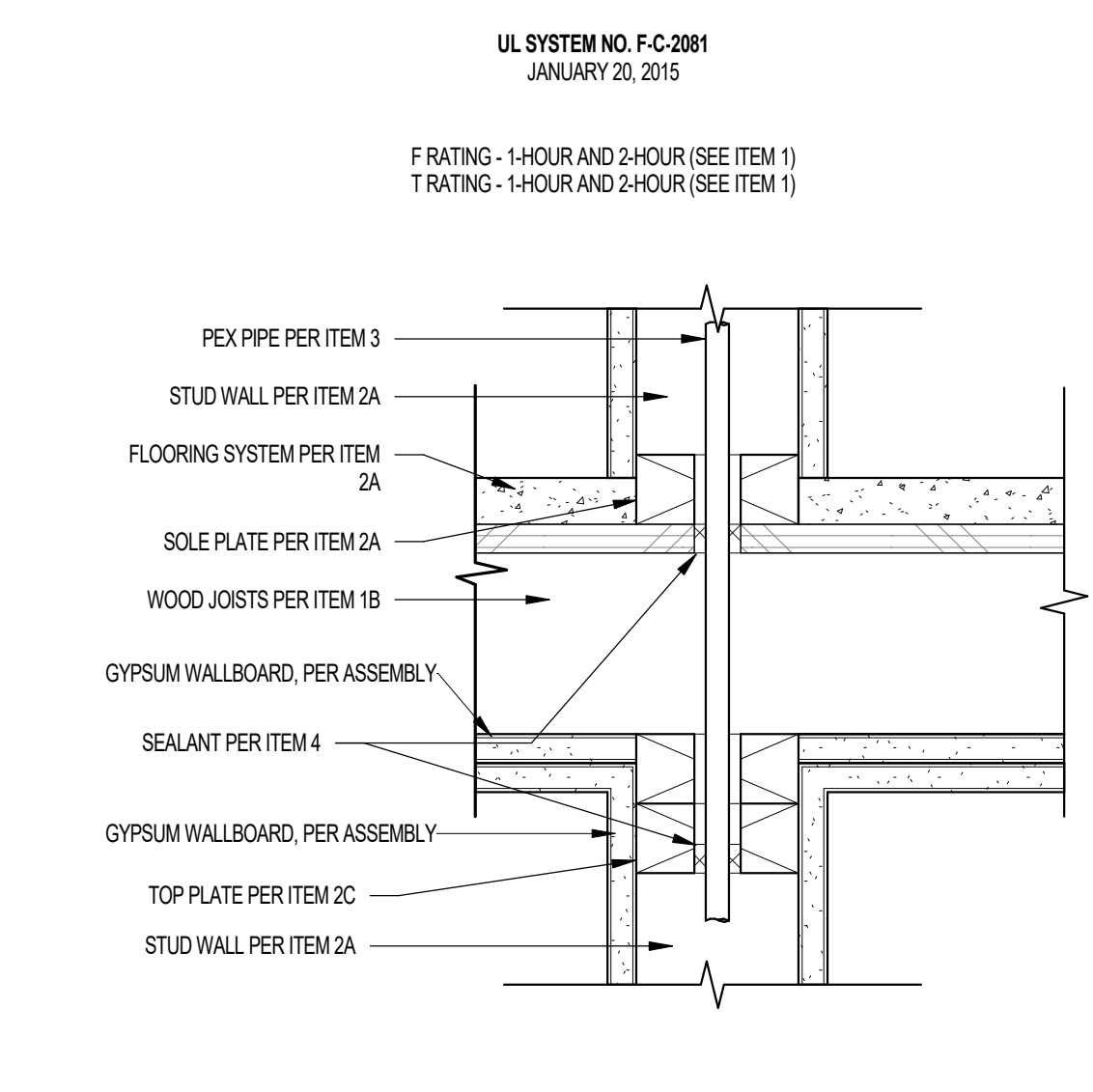
REVISIONS / SUBMITTALS	
DATE	DESCRIPTION

2ND BUILDING SUBMITTAL
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.2.11
FIRE JOINTS



- SYSTEM NO. WL-7129**
- CONFIGURATION B**
- THROUGH-PENETRATION FIRESTOP SYSTEM NO. WL-7129
- F RATINGS — 1/2 AND 1 HR. (SEE ITEMS 1, 1A AND 4)
T RATINGS — 1/2 AND 1 HR. (SEE ITEMS 1 AND 1A)
- 1A. WALL ASSEMBLY - CONFIGURATION B - THE FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300, U400, V400 OR W400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS - WALL FRAMING TO CONSIST OF WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF MIN NOM 2 BY 6 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 6 IN. (152.4 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
 - B. GYPSUM BOARD - ONE LAYER OF NOM 5/8 IN. (16 MM) THICK GYPSUM BOARD EACH SIDE OF WALL, AS SPECIFIED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. SEE ITEM 2 FOR CUTOUT IN GYPSUM BOARD ON ONE SIDE OF WALL FOR DRYER BOX.
 - C. GYPSUM BOARD - AN ADDITIONAL LAYER OF GYPSUM BOARD SHALL BE CUT TO FIT ID OF STUD CAVITY AND INSTALLED FLUSH WITH EDGE OF STUDS ON NON-PENETRATED FACE OF WALL. ADDITIONAL LAYER OF GYPSUM BOARD TO BE ATTACHED TO MIN 1 BY 2 IN. (25 BY 51 MM) WOOD NAILING STRIPS WITH FASTENERS SPACED MAX 16 IN. (407 MM) OC AROUND PERIMETER OF BOARD. NAILING STRIPS TO BE SECURED TO WOOD STUDS AND PLATES WITH FASTENERS SPACED MAX 16 IN. (407 MM) OC. NAILING STRIPS MAY BE DISCONTINUOUS AND TERMINATE MAX 1 IN. (25 MM) FROM VENT DUCT AND CABINET INTERFACES WITH PLATES AND STUDS.
 2. CABINET - RECESSED FIXTURE INTENDED FOR DRYER APPLIANCE EXHAUST DUCT INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS IN ONE SIDE OF WALL ASSEMBLY. CUTOUT IN GYPSUM BOARD FOR BOTTOM EXHAUST DUCT IS MAX 8-1/2 IN. (216 MM) WIDE BY 18-1/4 IN. (464 MM) HIGH. CUTOUT IN GYPSUM BOARD FOR TOP EXHAUST DUCT IS MAX 14 IN. (356 MM) WIDE BY 16 IN. (406 MM) HIGH. MAX GAP BETWEEN CABINET AND GYPSUM BOARD AROUND PERIMETER OF CUTOUT SHALL BE 1/8 IN. (3.2 MM). GAP SHALL BE SEALED WITH UL CLASSIFIED SEALANT OR CAULK (SEE FILL VOID OR CAVITY MATERIAL, DSHHW CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS) OR DRYWALL COMPOUND. IN-VATE TECHNOLOGIES - DRYERBOX MODEL 425.
 3. STEEL VENT DUCT - MAX 4 IN. (102 MM) DIAM BY MIN 26 GAUGE RIGID STEEL. DRYER DUCT FRICTION FITTED INTO TOP OR BOTTOM OPENING OF THE DUCT TO BE ROUTED ENTIRELY WITHIN FIRE-RATED CONSTRUCTION FROM THE CABINET TO THE EXTERIOR OF THE BUILDING. VENT DUCT TO BE FIRESTOPPED IN ACCORDANCE WITH AN APPROPRIATE F-A-7000, F-C-7000 OR F-E-7000 SERIES FIRESTOP SYSTEM WHERE IT PASSES THROUGH THE TOP PLATE OR SOLE PLATE OF THE CHASE WALL IN WHICH IT IS ROUTED.
 4. INSULATION - REQUIRED FOR DRYERBOX MODELS 330, 425, 3D AND 4D IN WOOD STUD WALLS AS SPECIFIED IN TABLE BELOW. THE SPACES BETWEEN THE SIDES OF THE CABINET AND THE STUDS AND THE SPACE IMMEDIATELY ABOVE THE CABINET ARE TO BE TIGHTLY PACKED WITH GLASS FIBER BATT OR MINERAL WOOL BATT INSULATION. FOR FIRESTOP SYSTEMS WITH 1 HR F RATING, THE ENTIRE STUD CAVITY CONTAINING THE CABINET SHALL BE FILLED WITH MIN R19 GLASS FIBER BATT INSULATION OR MINERAL WOOL INSULATION WITH ADDITIONAL PIECES OF INSULATION APPLIED AS NEEDED TO COMPLETELY FILL ALL VOIDS AROUND THE CABINET AND VENT DUCT TO THE FULL DEPTH OF THE STUD CAVITY. ANY GLASS FIBER OR MINERAL WOOL BATT MATERIAL BEARING THE UL CLASSIFICATION MARKING AS TO FIRE RESISTANCE MAY BE USED.
- SEE BATTS AND BLANKETS' (BZLQ) CATEGORY FOR NAMES OF CLASSIFIED COMPANIES.



- UL SYSTEM NO. F-C-2081**
- JANUARY 20, 2015
- F RATINGS - 1-HOUR AND 2-HOUR (SEE ITEM 1)
T RATINGS - 1-HOUR AND 2-HOUR (SEE ITEM 1)
1. FLOOR-CEILING ASSEMBLY - THE 1 OR 2 HOUR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY. THE 'F' AND 'T' RATINGS OF THE FIRESTOP SYSTEM IS EQUAL TO THE RATING OF THE FLOOR-CEILING AND WALL ASSEMBLIES. THE GENERAL CONSTRUCTION FEATURES OF THE FLOOR-CEILING ASSEMBLY ARE SUMMARIZED BELOW:
 - A. FLOORING SYSTEM - LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OR LUMBER, PLYWOOD OR FLOOR TOPPING MIXTURE AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. DIAMETER OF OPENING SHALL BE 1/2 INCH (13 MM) LARGER THAN THE NOMINAL DIAMETER OF THROUGH-PENETRANT (ITEM 3).
 - B. WOOD JOISTS - FOR 1-HOUR FIRE-RATED FLOOR-CEILING ASSEMBLIES NOMINAL 10 INCH (254 MM) DEEP (OR DEEPER) LUMBER, STEEL OR COMBINATION LUMBER AND STEEL JOISTS, TRUSSES OR STRUCTURAL WOOD MEMBERS WITH BRACING AS REQUIRED AND WITH ENDS FIRESTOPPED.
 - C. FURRING CHANNELS (NOT SHOWN, AS REQUIRED) - RESILIENT GALVANIZED STEEL FURRING INSTALLED IN ACCORDANCE WITH THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES DESIGNS IN THE FIRE RESISTANCE DIRECTORY.
 - D. GYPSUM WALLBOARD - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. DIAMETER OF OPENING SHALL BE 1/2 INCH (13 MM) LARGER THAN THE NOMINAL DIAMETER OF THROUGH-PENETRANT (ITEM 3).
 2. CHASE WALL (OPTIONAL) - THE 1 OR 2 HOUR FIRE-RATED SINGLE WOOD STUD/GYPSUM WALLBOARD CHASE WALL SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - A. STUDS - NOMINAL 2 INCH BY 4 INCH (51 BY 102 MM) LUMBER STUDS.
 - B. SOLE PLATE - NOMINAL 2 INCH BY 4 INCH (51 BY 102 MM) LUMBER PLATES. DIAMETER OF OPENING SHALL BE 1/2 INCH (13 MM) LARGER THAN THE NOMINAL DIAMETER OF THROUGH-PENETRANT (ITEM 3).
 - C. TOP PLATE - THE DOUBLE TOP PLATE SHALL CONSIST OF TWO NOMINAL 7/8 BY 4" (51 BY 102 MM) LUMBER PLATES. DIAMETER OF OPENING SHALL BE 1/2 INCH (13 MM) LARGER THAN THE NOMINAL DIAMETER OF THROUGH-PENETRANT (ITEM 3).
 - D. GYPSUM WALLBOARD - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS SHALL BE AS SPECIFIED IN INDIVIDUAL WALL AND PARTITION DESIGN.
 3. THROUGH-PENETRANTS - ONE NOMINAL 1 INCH (25 MM) DIAMETER CROSS-LINKED POLYETHYLENE (PEX) SDR 11 PIPE FOR USE IN CLOSED PROCESS OR SUBP 11 (OR VENTED) DRAIN, WASTE OR VENT PIPING SYSTEMS. DIAMETER OF OPENING THROUGH-FLOORING SYSTEM AND THROUGH SOLE AND TOP PLATES OF CHASE WALL TO BE MAXIMUM 1-1/2 INCH (38 MM). PIPE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR-CEILING ASSEMBLY.
 4. FILL VOID OR CAVITY MATERIAL - SEALANT - MINIMUM 1/2 INCH (13 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS FLUSH WITH TOP SURFACE OF FLOOR OR SOLE PLATE AND A MINIMUM 1/2 INCH (13 MM) THICKNESS OF THE CEILING OR LOWER TOP PLATES.
- UL FIRE RESISTANCE DIRECTORY, DIVISION OF ULTI INC. - FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.

Project Name 1
Project Name 2

Street Address
City, State

Office of Rich Barber
ORB
Architecture, LLC

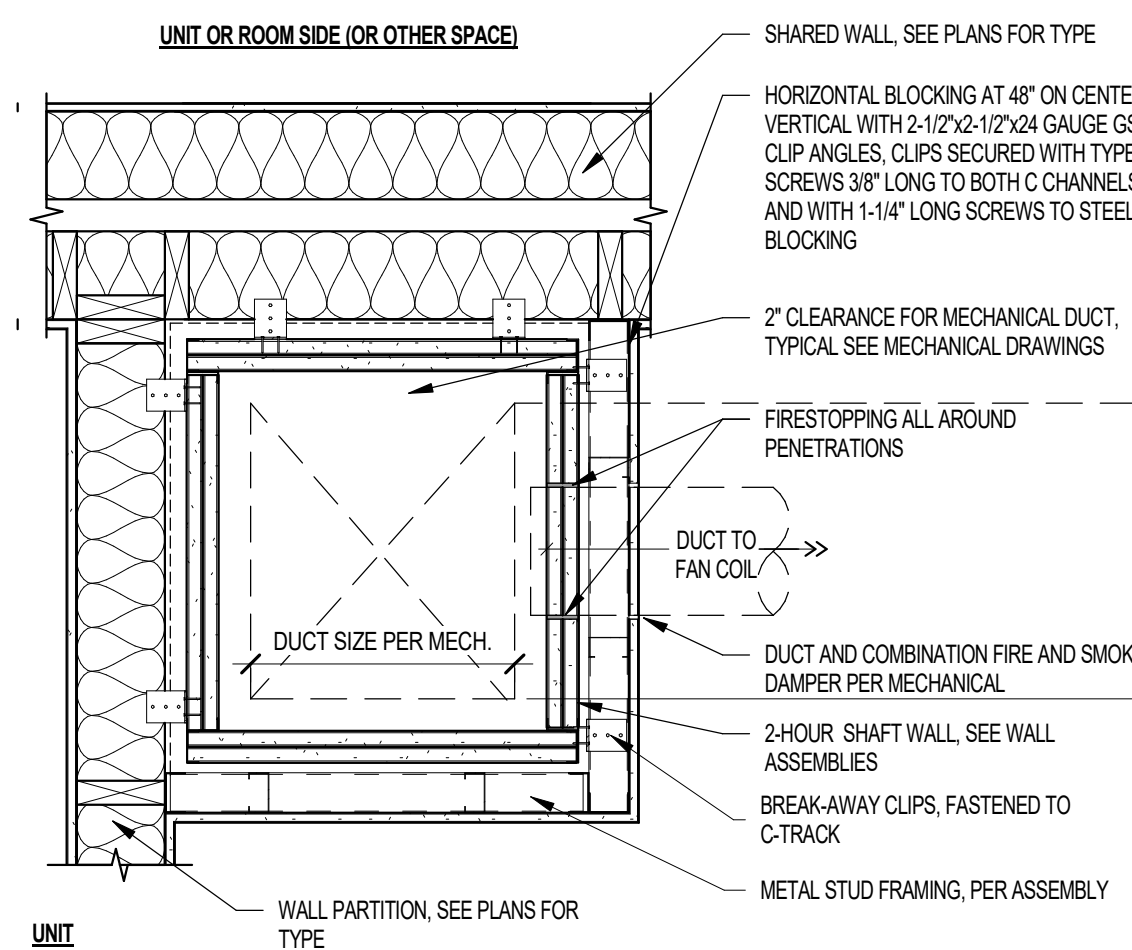
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50 XHEX-THROUGH - FIRE PENETRATION SYSTEMS

UL SYSTEM NO. F-C-2081 SCALE: 3" = 1'-0"



- NOTE:**
1. ACTUAL CONDITIONS MIGHT VARY. SEE FLOOR PLANS FOR CONFIGURATION.
 2. ALL JOINTS SHALL BE SEALED TO MAKE SHAFT AIR TIGHT.
 3. REFER TO PLAN FOR SHAFT CONFIGURATION AND ADJACENT WALLS.
 4. ADD ADDITIONAL LAYER OF 5/8" TYPE 'X' GYPSUM WALLBOARD TO PERIMETER AS REQUIRED TO ALIGN WITH ADJACENT WALL FINISH.

Notice of alternate billing (or payment) cycle
This contract allows billing to occur in the absence of billing or otherwise in billing cycles other than the first cycle. This contract shall be subject to the terms and conditions of the alternate schedule after certification and approval of billing and estimates. A written notification of such other billing cycle applies to the project is available from the owner or the owner's design consultant.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written notification on request.

55 DRYERBOX PENETRATION THROUGH GYPSUM WALL ASSEMBLY (1-HR)

SCALE: 1" = 1'-0"

DRYERBOX MODELS	F RATING (SEE ITEM 1)	WALL STUDS	INSULATION REQUIRED
330, 425, 3D AND 4D	1/2	3X3, 4X5, 3D AND 4D	SEE ITEM 4
330, 425, 3D AND 4D	1	WOOD	SEE ITEM 4
330, 425, 3D AND 4D	1	STEEL	SEE ITEM 4A
480	1/2 AND 1	STEEL AND WOOD	SEE ITEM 4A

51 2HR SHAFT FURRED WALL

SCALE: 1" = 1'-0"

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, for addition to this project, or for completion of this project by others except by the express written permission of the Architect.

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REVISIONS/SUBMITTALS	
DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.2.14
FIRE PENETRATIONS

SYSTEM NO. F-C-2142 F RATING - 1-HOUR T RATING - 0-HOUR SECTION A-A 1. FLOOR-CEILING ASSEMBLY - THE FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY... 2. CHASE WALL - (OPTIONAL) - THE THROUGH PENETRANT (ITEM 3) MAY BE ROUTED THROUGH A 1-HOUR FIRE-RATED SINGLE, DOUBLE OR STAGGERED WOOD STUD/GYPSUM WALLBOARD CHASE WALL CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES WALL AND PARTITION DESIGNS...

SYSTEM NO. F-C-2142 3. THROUGH-PENETRANTS - ONE NON-METALLIC PIPE TO BE INSTALLED EITHER ECCENTRICALLY OR CONCENTRICALLY WITHIN THE FIRESTOP SYSTEM... 4. FLOOR-CEILING ASSEMBLY - THE 1-HOUR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS...

SYSTEM NO. F-C-2203 F RATING - 1-HOUR T RATING - 1-HOUR SECTION A-A 1. FLOOR-CEILING ASSEMBLY - THE 1-HOUR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS... 2. CLOSET FLANGE - ACRYLONITRILE BUTADIENE STYRENE (ABS) OR POLYVINYL CHLORIDE (PVC) CLOSET STUD SIZE TO ACCOMMODATE DRAIN PIPE... 3. DRAIN PIPING - NOMINAL 4 INCH (102 MM) DIAMETER (OR SMALLER) SCHEDULE 40 ACRYLONITRILE BUTADIENE STYRENE (ABS) OR POLYVINYL CHLORIDE (PVC) DRAIN PIPE...

SYSTEM NO. F-C-2204 F RATING - 1-HOUR T RATING - 12-HOUR SECTION A-A 1. FLOOR-CEILING ASSEMBLY - THE 1-HOUR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS... 2. CHASE WALL - THE THROUGH PENETRANT (ITEM 3) SHALL BE ROUTED THROUGH A SINGLE, DOUBLE OR STAGGERED WOOD STUDS/GYPSUM WALLBOARD CHASE WALL AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES...

SYSTEM NO. F-C-2310 F RATINGS - 1 AND 2 HOUR (SEE ITEM 1) T RATINGS - 1 AND 1-1/2 HOUR (SEE ITEM 1) SECTION A-A 1. FLOOR-CEILING ASSEMBLY - THE 1 OR 2-HOUR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS... 2. CHASE WALL - (OPTIONAL) - THE 1 OR 2-HOUR FIRE-RATED SINGLE WOOD STUD/GYPSUM WALLBOARD CHASE WALL SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES WALL AND PARTITION DESIGNS...

SYSTEM NO. F-C-2310 3. THROUGH-PENETRANTS - NOMINAL 1 INCH (25 MM) DIAMETER (OR SMALLER) SDR 9 (OR HEAVIER) CROSS-LINKED POLYETHYLENE (PEX) TUBING FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEMS... 4. FLOOR-CEILING ASSEMBLY - THE 1-HOUR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS...

SYSTEM NO. F-C-2389 F RATING - 1-HOUR T RATINGS - 0, 3/4 AND 1-HOUR (SEE ITEM 3) SECTION A-A 1. FLOOR-CEILING ASSEMBLY - THE FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS... 2. CHASE WALL - THE THROUGH PENETRANT (ITEM 3) SHALL BE ROUTED THROUGH A SINGLE, DOUBLE OR STAGGERED WOOD STUDS/GYPSUM WALLBOARD CHASE WALL AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES...

SYSTEM NO. F-C-2389 2. CHASE WALL - THE THROUGH PENETRANT (ITEM 3) SHALL BE ROUTED THROUGH A SINGLE, DOUBLE OR STAGGERED WOOD STUDS/GYPSUM WALLBOARD CHASE WALL AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES... 3. THROUGH-PENETRANTS - ONE NON-METALLIC PIPE TO BE INSTALLED EITHER ECCENTRICALLY OR CONCENTRICALLY WITHIN THE FIRESTOP SYSTEM...

Project Name 1 Project Name 2 Street Address City, State Office of Rich Barber Architecture, LLC ORB Architecture WorldHQ@ORBArch.com PRELIMINARY NOT FOR CONSTRUCTION

Notice of alternate billing or payment cycle The contract allows (they allow) for us to require the submission of billing or advance or advance in billing under the terms of the contract... CONTRACTOR MUST VERIFY ALL DIMENSIONS AT PROJECT BEFORE PROCEEDING WITH THE WORK.

REVISIONS/SUBMITTALS TABLE with columns for DATE, DESCRIPTION, CLIENT NAME, CLIENT ADDRESS, CLIENT PHONE NUMBER.

DATE: SEPTEMBER 11, 2024 ORB #: 00-000 A7.2.16 FIRE JOINTS - WOOD FLOOR CEILING

SYSTEM NO. C-AJ-5090

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 2 AND 3 HOUR (SEE ITEM 4)	F RATING- 2 AND 3 HOUR (SEE ITEM 4)
T RATING- 0-HOUR	FT RATING- 0-HOUR
L RATING AT AMBIENT - 4 CFMSQ FT	FH RATING- 2 AND 3-HOUR (SEE ITEM 4)
L RATING AT 400 F - LESS THAN 1 CFMSQ FT	FTH RATING- 0-HOUR
L RATING AT 400 F - LESS THAN 1 CFMSQ FT	L RATING AT AMBIENT - 4 CFMSQ FT
	L RATING AT 400 F - LESS THAN 1 CFMSQ FT

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Page: 1 of 2

SYSTEM NO. C-AJ-5091

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 2-HOUR	F RATING- 2-HOUR
T RATINGS - 0 AND 1-HOUR (SEE ITEMS 2 AND 4)	FT RATINGS - 0 AND 1-HOUR (SEE ITEMS 2 AND 4)
L RATING AT AMBIENT - 4 CFMSQ FT	FH RATING- 2-HOUR
L RATING AT 400 F - LESS THAN 1 CFMSQ FT	FTH RATINGS - 0 AND 1-HOUR (SEE ITEMS 2 AND 4)
	L RATING AT AMBIENT - 4 CFMSQ FT
	L RATING AT 400 F - LESS THAN 1 CFMSQ FT

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Page: 2 of 2

SYSTEM NO. C-AJ-5091

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 2-HOUR	F RATING- 2-HOUR
T RATINGS - 0 AND 1-HOUR (SEE ITEMS 2 AND 4)	FT RATINGS - 0 AND 1-HOUR (SEE ITEMS 2 AND 4)
L RATING AT AMBIENT - 4 CFMSQ FT	FH RATING- 2-HOUR
L RATING AT 400 F - LESS THAN 1 CFMSQ FT	FTH RATINGS - 0 AND 1-HOUR (SEE ITEMS 2 AND 4)
	L RATING AT AMBIENT - 4 CFMSQ FT
	L RATING AT 400 F - LESS THAN 1 CFMSQ FT

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Page: 1 of 2

SYSTEM NO. C-AJ-5091

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 2-HOUR	F RATING- 2-HOUR
T RATING- 0-HOUR	FT RATING- 0-HOUR
L RATING AT AMBIENT - 4 CFMSQ FT	FH RATING- 2-HOUR
L RATING AT 400 F - LESS THAN 1 CFMSQ FT	FTH RATING- 0-HOUR
	L RATING AT AMBIENT - 4 CFMSQ FT
	L RATING AT 400 F - LESS THAN 1 CFMSQ FT

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Page: 2 of 2

SYSTEM NO. C-AJ-6042

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 3-HOUR	F RATING- 3-HOUR
T RATING- 0-HOUR	FT RATING- 0-HOUR
	FH RATING- 2-HOUR
	FTH RATING- 0-HOUR

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SYSTEM NO. C-AJ-7051

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 3-HOUR	F RATING- 3-HOUR
T RATING- 1-HOUR	FT RATING- 1-HOUR
	FH RATING- 3-HOUR
	FTH RATING- 1-HOUR

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SYSTEM NO. C-AJ-7084

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 2-HOUR	F RATING- 2-HOUR
T RATING- 0-HOUR	FT RATING- 0-HOUR
	FH RATING- 2-HOUR
	FTH RATING- 0-HOUR

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SYSTEM NO. C-AJ-7145

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING- 2-HOUR	F RATING- 2-HOUR
T RATING- 0-HOUR	FT RATING- 0-HOUR
	FH RATING- 2-HOUR
	FTH RATING- 1-3/4 HOUR

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Project Name 1
Project Name 2

Street Address
City, State

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Notice of alternate billing (or payment) cycle
The contract allows (they allow) the owner to require the submission of billings or advances in billing cycles other than the regular cycle. This means the owner has the right to require the contractor to submit alternate schedules after certification and approval of billings and advances. A written notification of such other billing cycle(s) applies to the project and is available from the owner or the contractor's representative.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER

and the owner or its design and agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is completed. This means the contractor shall not be permitted to use any portion of the drawings and specifications for any other project. In addition to the project it is for, completion of the project by the contractor shall be the responsibility of the contractor.

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REVISIONS/ SUBMITTALS	DATE	DESCRIPTION
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.2.21
FIRE JOINTS - FLOORS AND WALLS

SYSTEM NO. C-AJ-8099

ANSI/UL1479 (ASTM E814)	CANULC S115
F RATING - 3-HOUR	F RATING - 3-HOUR
T RATINGS - 0 AND 3/4 HOUR (SEE ITEM 2)	FT RATINGS - 0 AND 3/4 HOUR (SEE ITEM 2)
	FR RATING - 2 HOUR
	FTH RATINGS - 0 AND 3/4 HOUR (SEE ITEM 2)

SECTION A-A

1. **FLOOR OR WALL ASSEMBLY** - MINIMUM 4-1/2 INCH (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE FLOOR OR MINIMUM 5 INCH (127 MM) REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS; FLOOR MAY ALSO BE CONSTRUCTED OF ANY MINIMUM 6 INCH (152 MM) THICK UL CLASSIFIED HOLLOW CORE PRECAST CONCRETE UNITS; MAXIMUM AREA OF SQUARE, RECTANGULAR OR CIRCULAR OPENING IS 1/2 SQUARE INCH (129 CM²) WITH MAXIMUM DIMENSION OF 24 INCH (61 CM). WHEN PRECAST CONCRETE UNIT FLOORS ARE USED, MAXIMUM AREA OF SQUARE, RECTANGULAR OR CIRCULAR OPENING IS 48 SQUARE INCH (124 CM²) WITH MAXIMUM DIMENSION OF 7 INCH (17.8 CM). SEE CONCRETE BLOCKS (CA21) AND PRECAST CONCRETE UNITS (CFTV) CATEGORIES IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. **THROUGH-PENETRANT** - ONE OR MORE PIPES OR TUBES TO BE INSTALLED WITHIN THE OPENING. THE TOTAL NUMBER OF THROUGH-PENETRANTS IS DEPENDENT ON THE SIZE OF THE OPENING AND TYPES AND SIZES OF THE PENETRANTS. ANY COMBINATION OF THE PENETRANTS DESCRIBED BELOW MAY BE USED PROVIDED THAT THE FOLLOWING PARAMETERS RELATIVE TO THE ANNULAR SPACES AND THE SPACINGS BETWEEN THE PIPES ARE MAINTAINED. THE SEPARATION BETWEEN CABLE BUNDLE, TUBES AND INSULATED TUBES SHALL BE A MINIMUM 1/2 INCH (13 MM) TO MAXIMUM 3-1/8 INCH (79 MM). THE ANNULAR SPACE BETWEEN PENETRANTS AND THE PERIPHERY OF OPENING SHALL BE A MINIMUM 1/2 INCH (13 MM) TO MAXIMUM 1/2 INCH (12 MM). PIPES OR TUBES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBES MAY BE USED:

A. **COPPER TUBING** - NOMINAL 3 INCH (76 MM) DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBE
 B. **COPPER PIPE** - NOMINAL 3 INCH (76 MM) DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE
 C. **STEEL PIPE** - NOMINAL 3 INCH (76 MM) DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE
 D. **IRON PIPE** - NOMINAL 3 INCH (76 MM) DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE
 E. **CONDUIT** - NOMINAL 3 INCH (76 MM) DIAMETER (OR SMALLER) ELECTRIC METALLIC TUBING (EMT) OR STEEL CONDUIT
 F. **FLEXIBLE STEEL CONDUIT** - NOMINAL 1 INCH (25 MM) DIAMETER (OR SMALLER) FLEXIBLE STEEL CONDUIT. SEE FLEXIBLE METAL CONDUIT CATEGORY IN THE ELECTRICAL CONSTRUCTION MATERIAL DIRECTORY FOR NAMES OF MANUFACTURERS.
 G. **THROUGH PENETRATING PRODUCT** - FLEXIBLE METAL PIPING - THE FOLLOWING TYPES OF STEEL, FLEXIBLE METAL GAS PIPING MAY BE USED:

1) NOMINAL 2 INCH (51 MM) DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
 OMEGA FLEX INC.
 2) NOMINAL 1 INCH (25 MM) DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
 GASTLE, DIV OF TITELUX
 3) NOMINAL 2 INCH (51 MM) DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

VOID INFILL
 THE HOURLY T RATING IS 3/4-HOUR WHEN A PIPE OR TUBE WITH FIBER-GLASS INSULATION IS USED, OR 0-HOUR WHEN A PIPE OR TUBE, A PIPE OR TUBE WITH AB PVC INSULATION OR A CABLE BUNDLE IS USED. THE T RATING IS 0-HOUR WHEN METALLIC PENETRANTS WITHOUT PIPE INSULATION ARE USED.

3. **PIPE INSULATION** - (OPTIONAL) - THE FOLLOWING TYPES OF PIPE INSULATION MAY BE USED WITH METALLIC PENETRANTS (ITEMS 2A, 2B, 2C, 2D AND 2F):
 A. **PIPE COVERING** - NOMINAL 1 INCH (25 MM) THICK (OR THINNER) HOLLOW CYLINDRICAL HEAVY DENSITY (MINIMUM 3.5 PCF OR 56 KG/M³) GLASS FIBER UNITS, INDICATED ON THE OUTSIDE, JACKET LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH THE PRODUCT. SEE PIPE AND EQUIPMENT COVERING - MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
 B. **TUBE INSULATION - PLASTICS** - NOMINAL 3/4 INCH (19 MM) THICK (OR THINNER) ACRYLONITRILE BUTADIENE POLYVINYL CHLORIDE (AB/PVC) FLEXIBLE FOAM FURNISHED IN THE FORM OF TUBING.
 SEE PLASTICS - (QMZZ) CATEGORY IN THE PLASTICS RECOGNIZED COMPONENT DIRECTORY FOR NAMES OF MANUFACTURERS. ANY RECOGNIZED COMPONENT TUBE INSULATION MATERIAL MEETING THE ABOVE SPECIFICATIONS AND HAVING A UL FLAMMABILITY CLASSIFICATION OF SA-DIV MAY BE USED.

4. **CABLES** - MAXIMUM 2 INCH (51 MM) DIAMETER TIGHT BUNDLE OF CABLES INSTALLED WITHIN THE OPENING AND RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE SPACE BETWEEN THE CABLES AND PERIPHERY OF THE OPENING SHALL RANGE FROM MINIMUM 2 INCH (51 MM) TO MAXIMUM 4 INCH (102 MM). ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF METALLIC CONDUCTOR OR FIBER OPTIC CABLE MAY BE USED:
 A. MAXIMUM 500 KCMIL SINGLE COPPER CONDUCTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET
 B. MAXIMUM 300 PAIR NO. 24 AWG COPPER CONDUCTOR TELECOMMUNICATION CABLES WITH PVC INSULATION AND JACKET MATERIAL
 C. MAXIMUM 7°C COPPER CONDUCTOR NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET
 D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING A MAXIMUM OUTSIDE DIAMETER OF 1/2 INCH
 E. MAXIMUM 3°C COPPER CONDUCTOR NO. 12 AWG WITH BARE ALUMINUM GROUND, PVC INSULATED STEEL METAL-CLAD CABLE

5. **FIRESTOP SYSTEM** - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
 A. **PACKING MATERIAL** - MINIMUM 4 INCH (102 MM) THICKNESS OF MINIMUM 4 PCF (64 KG/M³) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. WHEN PRECAST CONCRETE UNIT FLOORS ARE USED, PACKING MATERIAL SHALL BE INSTALLED AT A THICKNESS EQUAL TO THE THICKNESS OF THE FLOOR MINUS 1/2 INCH (13 MM), FLUSH WITH BOTTOM SURFACE OF FLOOR.
 B. **FILL VOID OR CAVITY MATERIALS** - SEALANT - MINIMUM 1/2 INCH (13 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.

*** BEARING THE UL RECOGNIZED COMPONENT MARKING

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

+ BEARING THE UL LISTING MARK

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Page: 1 of 2

SYSTEM NO. C-AJ-8099

1) NOMINAL 2 INCH (51 MM) DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
 OMEGA FLEX INC.
 2) NOMINAL 1 INCH (25 MM) DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
 GASTLE, DIV OF TITELUX
 3) NOMINAL 2 INCH (51 MM) DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING, PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

VOID INFILL
 THE HOURLY T RATING IS 3/4-HOUR WHEN A PIPE OR TUBE WITH FIBER-GLASS INSULATION IS USED, OR 0-HOUR WHEN A PIPE OR TUBE, A PIPE OR TUBE WITH AB PVC INSULATION OR A CABLE BUNDLE IS USED. THE T RATING IS 0-HOUR WHEN METALLIC PENETRANTS WITHOUT PIPE INSULATION ARE USED.

3. **PIPE INSULATION** - (OPTIONAL) - THE FOLLOWING TYPES OF PIPE INSULATION MAY BE USED WITH METALLIC PENETRANTS (ITEMS 2A, 2B, 2C, 2D AND 2F):
 A. **PIPE COVERING** - NOMINAL 1 INCH (25 MM) THICK (OR THINNER) HOLLOW CYLINDRICAL HEAVY DENSITY (MINIMUM 3.5 PCF OR 56 KG/M³) GLASS FIBER UNITS, INDICATED ON THE OUTSIDE, JACKET LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH THE PRODUCT. SEE PIPE AND EQUIPMENT COVERING - MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.
 B. **TUBE INSULATION - PLASTICS** - NOMINAL 3/4 INCH (19 MM) THICK (OR THINNER) ACRYLONITRILE BUTADIENE POLYVINYL CHLORIDE (AB/PVC) FLEXIBLE FOAM FURNISHED IN THE FORM OF TUBING.
 SEE PLASTICS - (QMZZ) CATEGORY IN THE PLASTICS RECOGNIZED COMPONENT DIRECTORY FOR NAMES OF MANUFACTURERS. ANY RECOGNIZED COMPONENT TUBE INSULATION MATERIAL MEETING THE ABOVE SPECIFICATIONS AND HAVING A UL FLAMMABILITY CLASSIFICATION OF SA-DIV MAY BE USED.

4. **CABLES** - MAXIMUM 2 INCH (51 MM) DIAMETER TIGHT BUNDLE OF CABLES INSTALLED WITHIN THE OPENING AND RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE SPACE BETWEEN THE CABLES AND PERIPHERY OF THE OPENING SHALL RANGE FROM MINIMUM 2 INCH (51 MM) TO MAXIMUM 4 INCH (102 MM). ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF METALLIC CONDUCTOR OR FIBER OPTIC CABLE MAY BE USED:
 A. MAXIMUM 500 KCMIL SINGLE COPPER CONDUCTOR POWER CABLE WITH THERMOPLASTIC INSULATION AND POLYVINYL CHLORIDE (PVC) JACKET
 B. MAXIMUM 300 PAIR NO. 24 AWG COPPER CONDUCTOR TELECOMMUNICATION CABLES WITH PVC INSULATION AND JACKET MATERIAL
 C. MAXIMUM 7°C COPPER CONDUCTOR NO. 12 AWG MULTICONDUCTOR POWER AND CONTROL CABLES WITH PVC OR CROSS-LINKED POLYETHYLENE (XLPE) INSULATION AND PVC JACKET
 D. MULTIPLE FIBER OPTICAL COMMUNICATION CABLES JACKETED WITH PVC AND HAVING A MAXIMUM OUTSIDE DIAMETER OF 1/2 INCH
 E. MAXIMUM 3°C COPPER CONDUCTOR NO. 12 AWG WITH BARE ALUMINUM GROUND, PVC INSULATED STEEL METAL-CLAD CABLE

5. **FIRESTOP SYSTEM** - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
 A. **PACKING MATERIAL** - MINIMUM 4 INCH (102 MM) THICKNESS OF MINIMUM 4 PCF (64 KG/M³) MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. WHEN PRECAST CONCRETE UNIT FLOORS ARE USED, PACKING MATERIAL SHALL BE INSTALLED AT A THICKNESS EQUAL TO THE THICKNESS OF THE FLOOR MINUS 1/2 INCH (13 MM), FLUSH WITH BOTTOM SURFACE OF FLOOR.
 B. **FILL VOID OR CAVITY MATERIALS** - SEALANT - MINIMUM 1/2 INCH (13 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL.
 HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT.

*** BEARING THE UL RECOGNIZED COMPONENT MARKING

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

+ BEARING THE UL LISTING MARK

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 and the owner or its designated agent shall provide the written declaration on request.

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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.2.22

FIRE JOINTS - FLOORS AND WALLS

System No. W-J-3215

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING - 2-HOUR	F RATING - 2-HOUR
T RATINGS - 12 AND 2-HOUR (SEE ITEM 2)	FT RATINGS - 12 AND 2-HOUR (SEE ITEM 2)
L RATING AT AMBIENT - LESS THAN 1 CFM/OPENING	FL RATING - 2-HOUR
L RATING AT 400 F - LESS THAN 1 CFM/OPENING	FTH RATINGS - 12 AND 2-HOUR (SEE ITEM 2)
	L RATING AT AMBIENT - LESS THAN 1 CFM/OPENING
	L RATING AT 400 F - LESS THAN 1 CFM/OPENING

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Page 1 of 2

SYSTEM NO. W-J-3215

1. **WALL ASSEMBLY** - MINIMUM 6 INCH (152 MM) THICK LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. OPENINGS MAY BE ROUND, RECTANGULAR OR IRREGULAR WITH A MAXIMUM DIAMETER OR DIMENSION OF 1 INCH (25 MM). SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.

2. **CABLES** - SINGLE OR TIGHT BUNDLE OF CABLES TO BE INSTALLED WITHIN THE OPENING. AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN OPENING TO HAVE A VISUAL FILL OF MINIMUM 60% TO MAXIMUM 100%. THE ANNULAR SPACE BETWEEN THE CABLE BUNDLE AND THE PERIPHERY OF THE OPENING TO BE MINIMUM 1/8 INCH (POINT CONTACT). CABLES TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. ANY COMBINATION OF THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:

A. MAXIMUM 3/8 INCH 8 AWG (OR SMALLER) COPPER CONDUCTOR CABLE (RIMEX) WITH PVC INSULATION AND JACKET.

B. MAXIMUM 7/8 INCH 12 AWG COPPER CONDUCTOR CONTROL CABLE WITH PVC OR XLPE INSULATION AND JACKET.

C. MAXIMUM 100 PAIR NO. 24 AWG (OR SMALLER) COPPER CONDUCTOR TELECOMMUNICATION CABLE WITH PVC OR PLENUM RATED INSULATION AND JACKETING.

D. MAXIMUM 4 PR NO. 22 AWG (OR SMALLER) CAT 5 OR CAT 6 COMPUTER CABLES WITH PVC OR PLENUM RATED INSULATION AND JACKETING.

E. TYPE RG5U COAXIAL CABLE WITH FLUORINATED ETHYLENE OR PVC INSULATION AND JACKETING HAVING A MAXIMUM OUTSIDE DIAMETER OF 12 INCH (316 MM).

F. MAXIMUM 24 FIBER OPTIC CABLE WITH POLYVINYL CHLORIDE (PVC) OR POLYETHYLENE (PE) JACKET AND INSULATION.

G. THROUGH PENETRATING PRODUCT* - MAXIMUM TWO COPPER CONDUCTOR NO. 18 AWG (OR SMALLER) POWER OR NON-POWER LIMITED FIRE ALARM CABLE WITH OR WITHOUT A JACKET UNDER A METAL ANCHOR.

H. MAXIMUM 3/8 INCH 10 AWG METAL-CLAD CABLE THE HOUR/LY, FT AND FTH RATINGS OF THE FIRESTOP SYSTEM ARE 2-HOUR. EXCEPT THAT FOR CABLE TYPE B1 AND C5, THE RATINGS ARE 12 HOUR FOR BLANK OPENINGS WITH NO PENETRANT. THE F, FT, FTI AND FTH RATINGS ARE 2-HOUR.

3. **FILL, VOID OR CAVITY MATERIAL** - NOMINAL 60 MM DIAMETER BY 3 MM THICK PUTTY DISC WITH ONE SEAM AT RADIUS. PAPER-BACKED DISC TO BE REMOVED AND DISC FIRMLY PRESSED AROUND THE CABLE BUNDLE LAPPING NOMINAL 5 MM (ON TOP). CABLES TO COMPLETELY COVER OPENING AND FIRMLY PRESSED TO LAP ONTO THE WALL AROUND PERIPHERY OF OPENING. DISC SEAM TO BE FIRMLY PRESSED AND SEALED TIGHT. DISC TO BE INSTALLED AT BOTH SURFACES OF WALL.

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* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

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SYSTEM NO. F-A-5018

ANSIUL1479 (ASTM E814)	CANULC S115
F RATING - 3-HOUR	F RATING - 3-HOUR
T RATING - 1-3/4, 2, 2-1/2, 2-3/4, AND 3-HOUR (SEE ITEM 3)	FT RATING - 1-3/4, 2, 2-1/2, 2-3/4, AND 3-HOUR (SEE ITEM 3)
	FTH RATING - 3-HOUR
	FTH RATING - 1-3/4, 2, 2-1/2, 2-3/4, AND 3-HOUR (SEE ITEM 3)

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THE FIRESTOP DEVICE, METALLIC PENETRANT AND PIPE COVERING SHALL BE SIZED AS FOLLOWS:

NOMINAL PIPE DIAMETER, INCH (MM)	NOMINAL THICK OF PIPE COVERING, INCH (MM)	FIRESTOP DEVICE	T, FT, AND FTH RATINGS, HOUR
12 (13)	1 (25)	CP 680-752.5N CP 680-P 2", CP 680-PX 2"	2-1/2
12 (13)	1 (25)	CP 682-752.2" CP 680-M 2"	2-3/4
1 (25)	1 (25)	CP 680-M 2", CP 680-P 3", CP 680-PX 3"	1-3/4
1 (25) (SEE ITEM 5)	1-1/2 (38)	CP 682-1104" CP 680-M 4"	3
2 (51)	1 (25)	CP 682-1104" CP 680-M 4"	1-3/4
2 (51)	1 (25)	CP 680-1104N CP 680-P 4"	2-3/4
2 (51)	2 (51)	CP 680-1036N CP 680-P 6"	2-3/4
4 (102)	1 (25)	CP 680-1036N CP 680-P 6"	2

4. **PIPE COVERING** - NOMINAL 1, 1-1/2, AND 2 INCH (25, 38 AND 51 MM) THICK HOLLOW CYLINDRICAL HEAVY DENSITY (MINIMUM 3 PCF OR 58 KG/M3) GLASS FIBER UNITS, JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SEAL. PIPE TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE. SUPPLIED WITH THE PRODUCT. SEE PIPE AND EQUIPMENT COVERING MATERIALS (BESU) CATEGORY IN THE BUILDING MATERIALS DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED.

5. **PACKING MATERIAL** - WIPES USING A 1 INCH (25 MM) DIAMETER PIPE WITH 1-1/2 INCH (38 MM) THICK GLASS FIBER PIPE INSULATION IN A 4 INCH (102 MM) DEVICE. A MINIMUM 2 INCH (51 MM) THICKNESS OF MINIMUM 4 PCF (64 KG/M3) MINERAL WOOL BATT INSULATION SHALL BE FIRMLY PACKED INTO THE TOP OF DEVICE. FLUSH WITH THE TOP OF THE DEVICE. WHEN PIPE SIZES ARE LESS THAN THOSE SHOWN IN THE TABLE IN ITEM 3, MINIMUM 4 INCH (102 MM) THICKNESS OF MINIMUM 4 PCF (64 KG/M3) MINERAL WOOL INSULATION SHALL BE FIRMLY PACKED TO THE FULLEST EXTENT POSSIBLE WITH THE DEVICE. FLUSH WITH TOP SURFACE OF DEVICE.

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

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ADVANCE RESIDENTIAL SECURITY LEGACY HOSPITALITY

SYSTEM NO. C-AJ-2220

F RATING - 3-HOUR
T RATING - 0-HOUR

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ENGINEERING JUDGEMENT FIRESTOP DETAIL

PROJECT: AJURA UPTOWN
ARCHITECT: ORB ARCHITECTURE
F RATING = 2HR. (SEE NOTE NO. 3 BELOW)

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FRE-RATED JOINT THROUGH CONCRETE WALL ASSEMBLY

ASSEMBLY RATING = 2 HR
L-RATING AT AMBIENT = LESS THAN 1 CFM / LIN FT
L RATING AT 400 F = LESS THAN 1 CFM / LIN FT
CLASS II AND II MOVEMENT CAPABILITIES = 25% COMPRESSION OR EXTENSION

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SYSTEM NO. WW-D-0068

ASSEMBLY RATING - 1 AND 2 HOUR (SEE ITEM 1)
NOMINAL JOINT WIDTH - 2 IN.
CLASS II MOVEMENT CAPABILITIES - 12.5% COMPRESSION OR EXTENSION

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A7.2.26

FIRE JOINTS - CONCRETE OR CMU

AN

ENGINEERING JUDGEMENT FIRESTOP DETAIL

PROJECT:
ARCHITECT: ORB ARCHITECTURE
F-RATING = 2 HOUR (SEE NOTE NO. 3 BELOW)

CROSS-SECTIONAL VIEW

1. CONCRETE TEE DECK ASSEMBLY (MINIMUM 2-1/2" THICK) WITH UL CLASSIFIED CEMENTITIOUS FIREPROOFING INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND APPLIED TO A THICKNESS REQUIRED BY MANUFACTURER TO ACHIEVE A 2-HR FIRE RATING
2. CONCRETE BLOCK WALL ASSEMBLY OR CONCRETE WALL ASSEMBLY (UL/UL CLASSIFIED) (MINIMUM 6" THICK) (2-HR FIRE RATING)
3. MINIMUM 2" THICKNESS MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) COMPRESSED 50% FLUSH WITH ACCESSIBLE SIDE OF WALL
4. MINIMUM 2" THICKNESS MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) COMPRESSED 50% FLUSH WITH NON-ACCESSIBLE SIDE OF WALL
5. MINIMUM 1/2" (NET) THICKNESS HILTI CRS-SP FIRESTOP JOINT SPRAY TO COMPLETELY COVER MINERAL WOOL, OVERLAPPING MINIMUM ONTO ADJACENT ASSEMBLIES AND 2" ONTO FIREPROOFING.

NOTE:

1. MAXIMUM WIDTH OF JOINT = 3"
2. F-RATING MAY NOT EQUAL F-RATING IN ACCORDANCE WITH UL 2079
3. F-RATING OF ASSEMBLY IS DEPENDENT UPON THE PERFORMANCE OF FLOOR ASSEMBLY UNDER FIRE CONDITIONS

1. THIS ENGINEERING JUDGEMENT REPRESENTS A FIRETOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED. (REFERENCE: UL/UL SYSTEM NO. HW-D-1058 & HW-D-2286)

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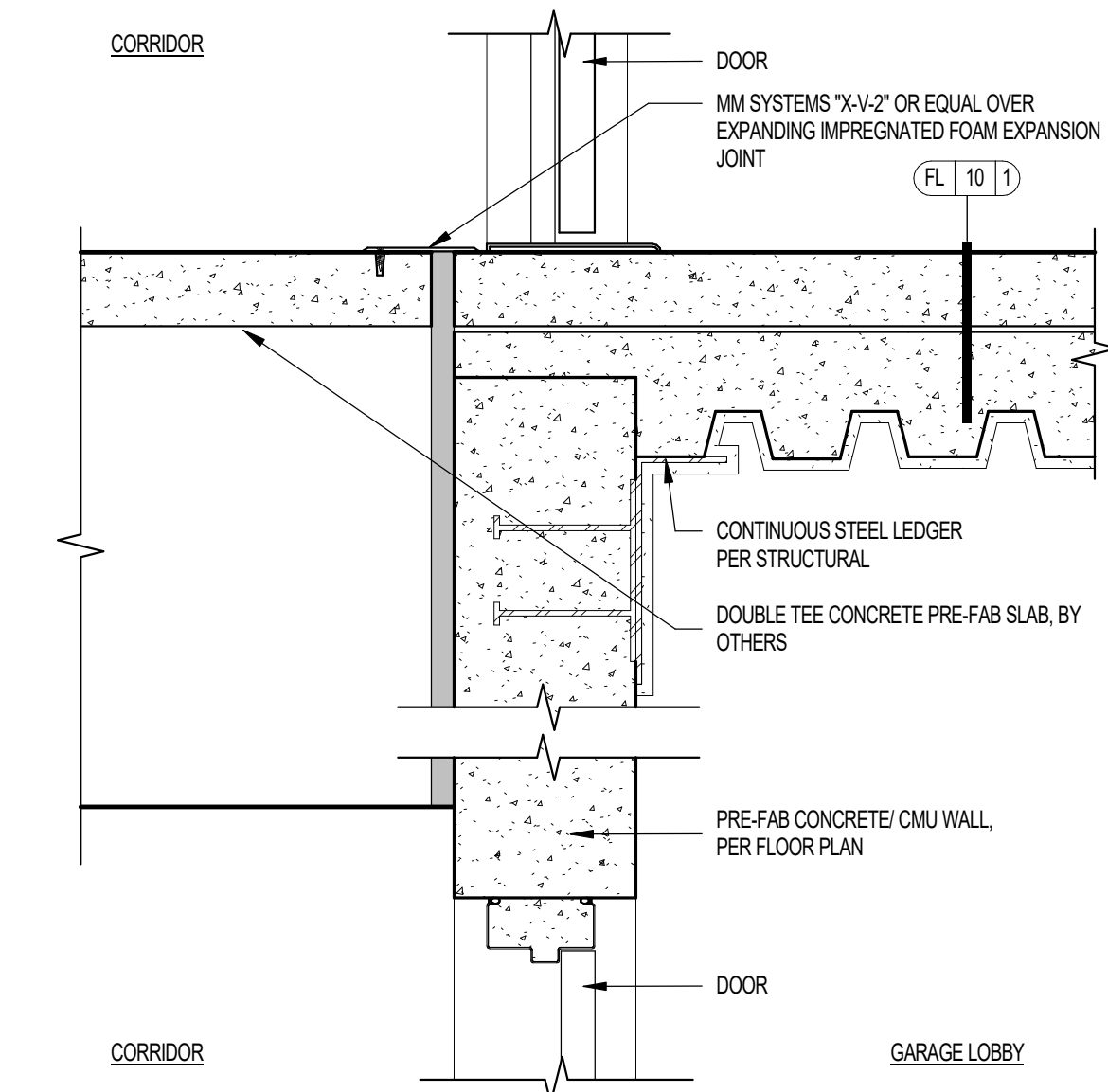
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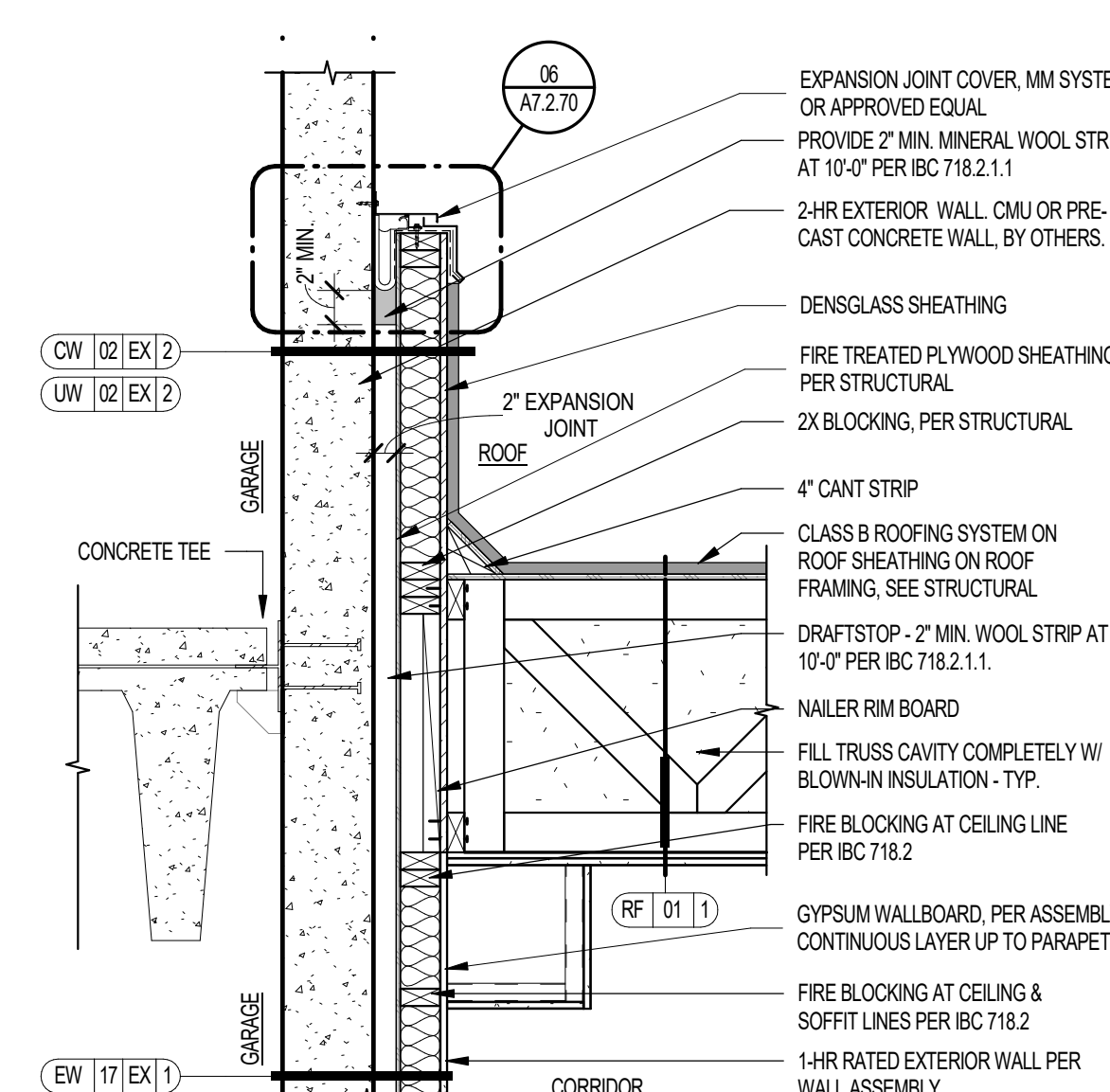
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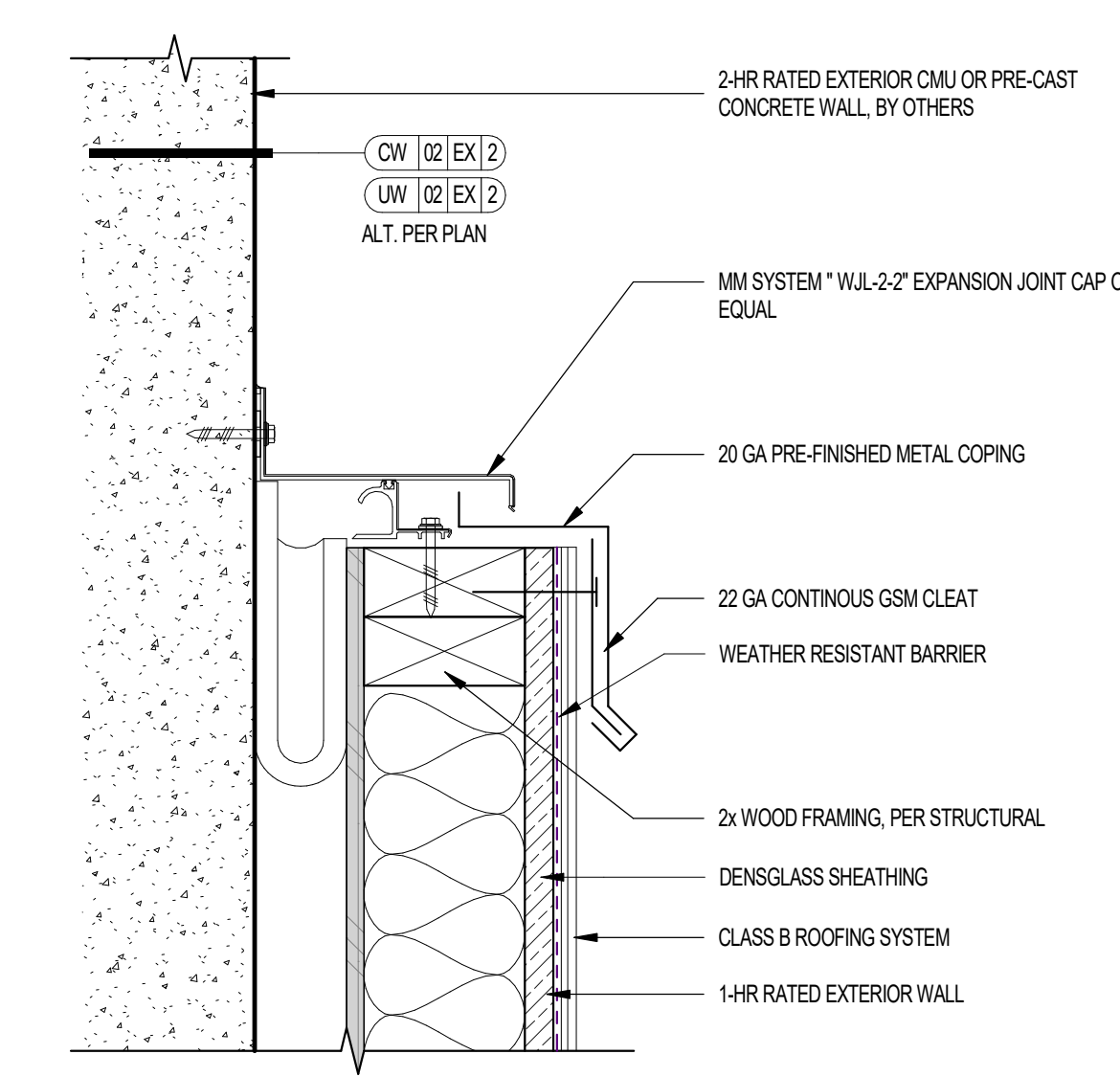
FIRE JOINTS - CONCRETE OR CMU



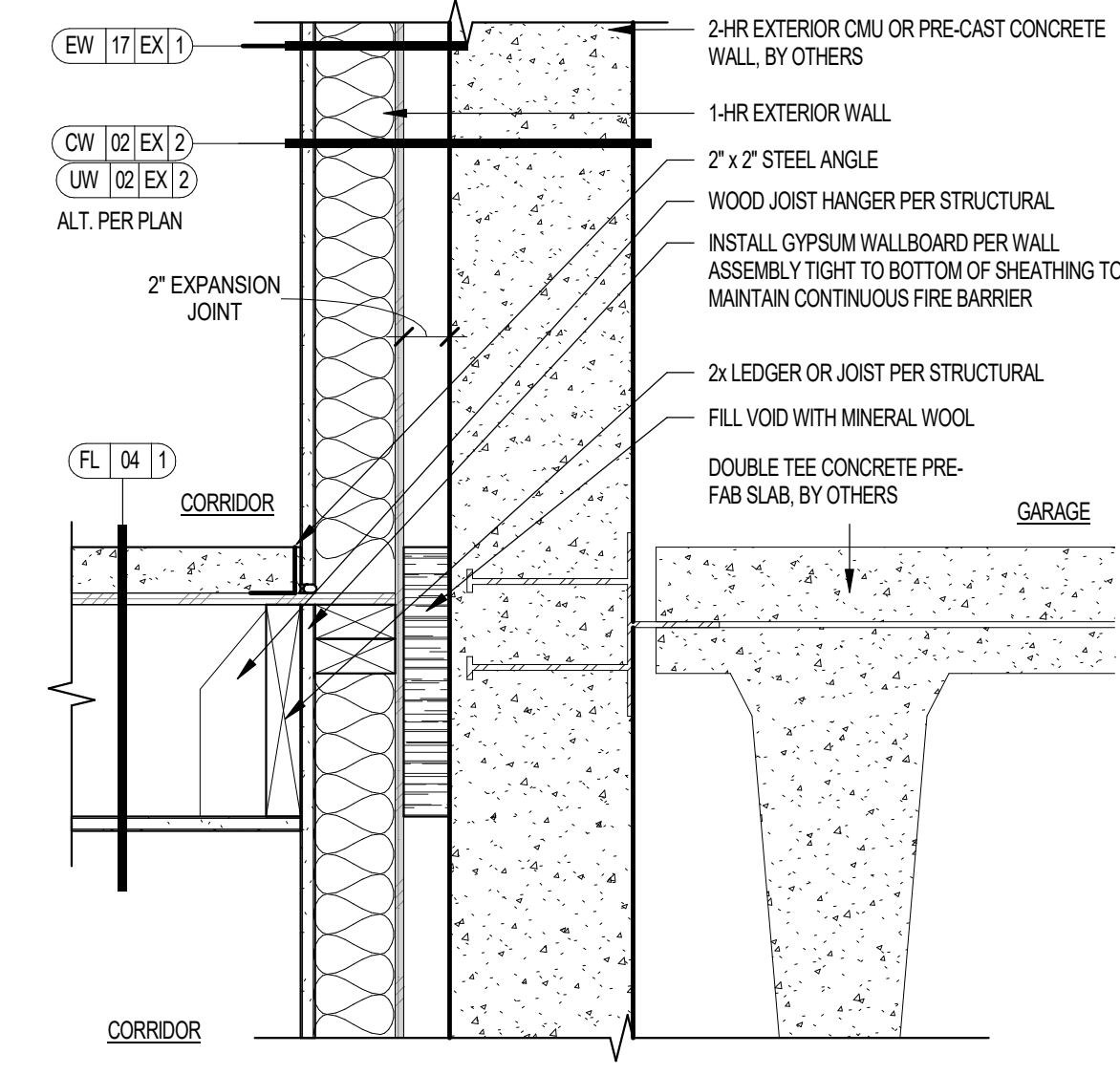
05 EXPANSION JOINT AT GARAGE RATED SLAB ON DECK AT DOOR
SCALE: 1 1/2" = 1'-0"



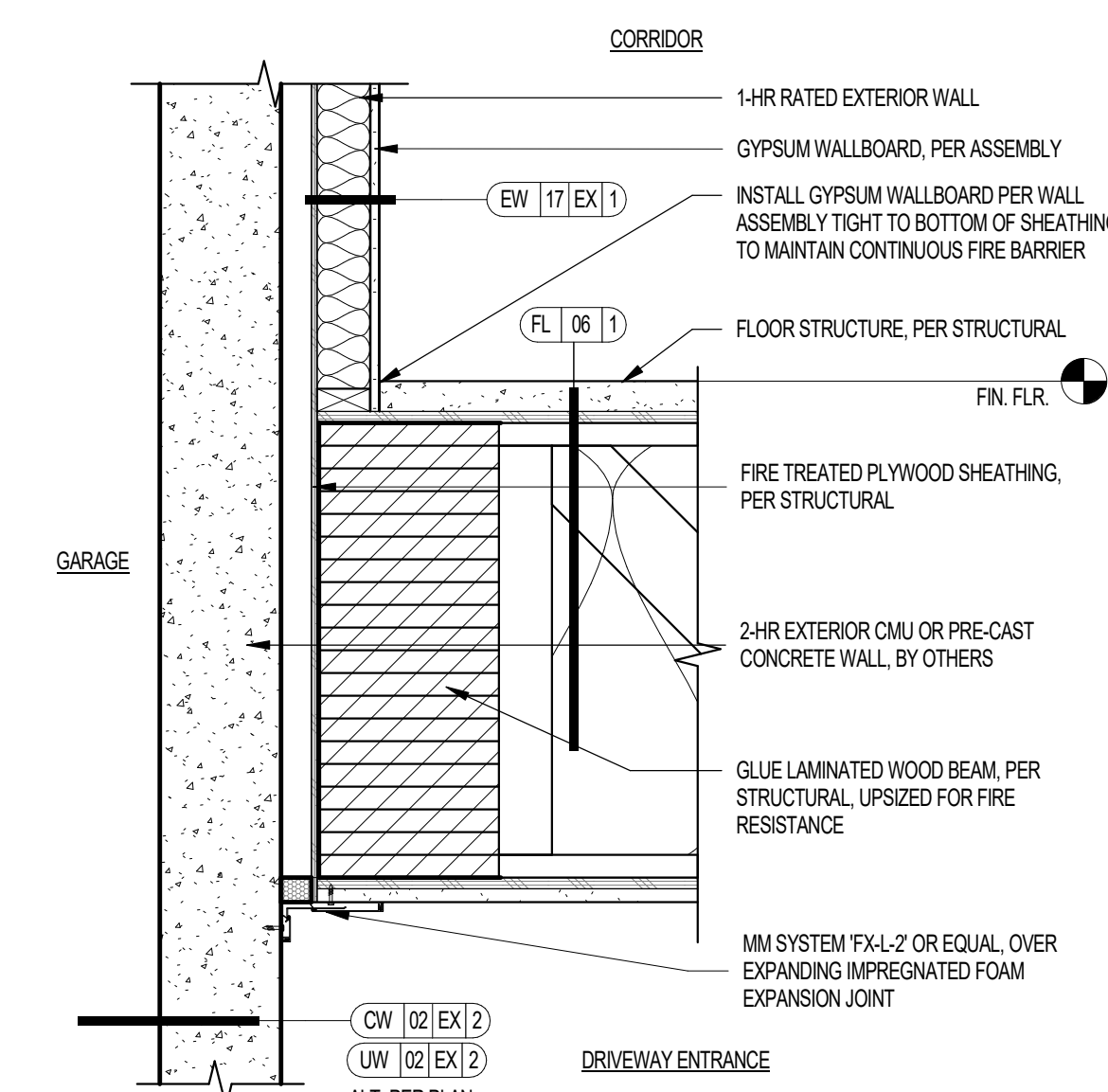
01 EXPANSION JOINT AT WOOD FRAMED PARAPET AND GARAGE CONCRETE WALL
SCALE: 3/4" = 1'-0"



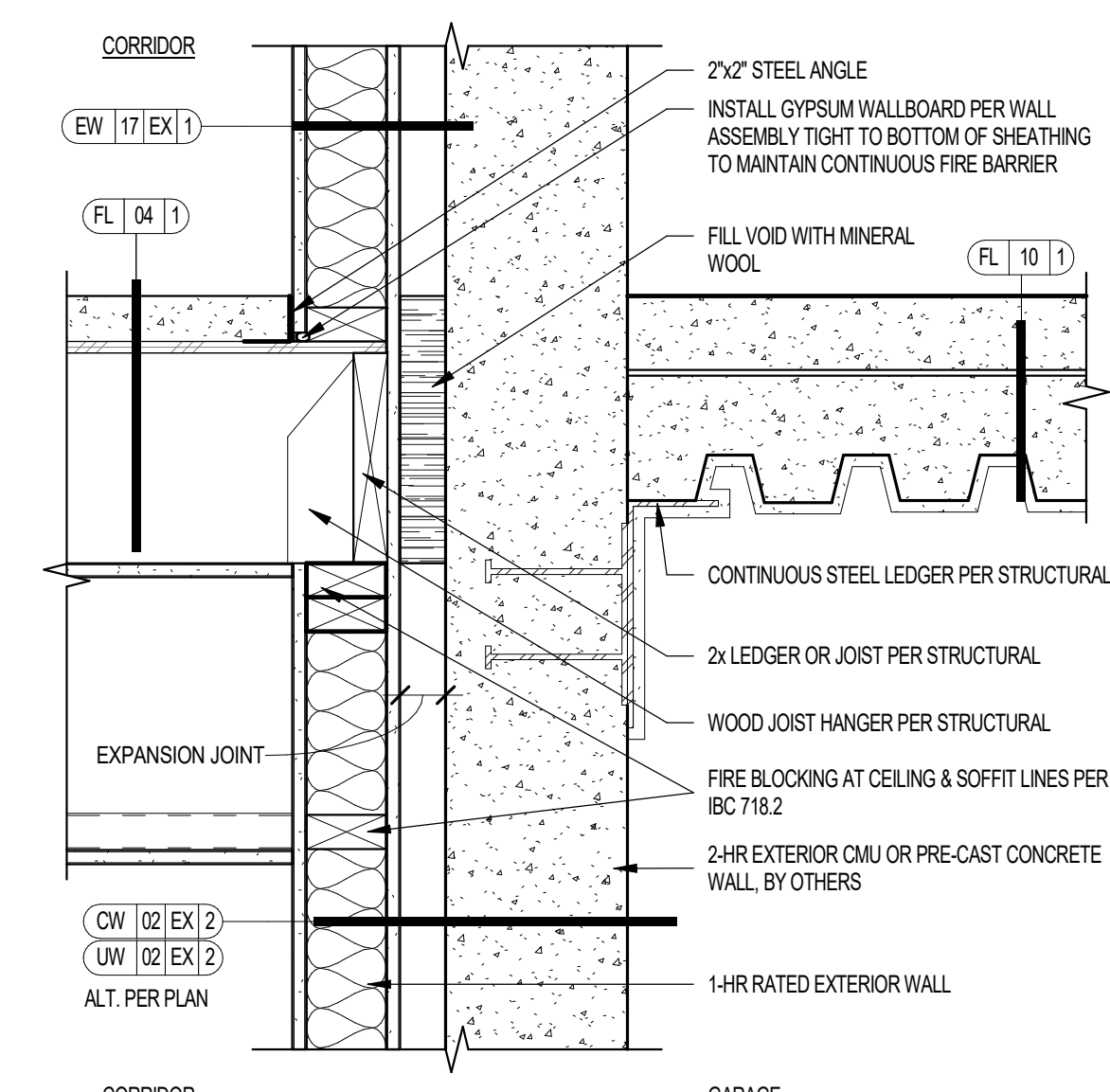
06 PARAPET EXPANSION JOINT
SCALE: 3/4" = 1'-0"



02 EXPANSION JOINT AT WOOD FRAMED WALL AND GARAGE CONCRETE WALL
SCALE: 1 1/2" = 1'-0"



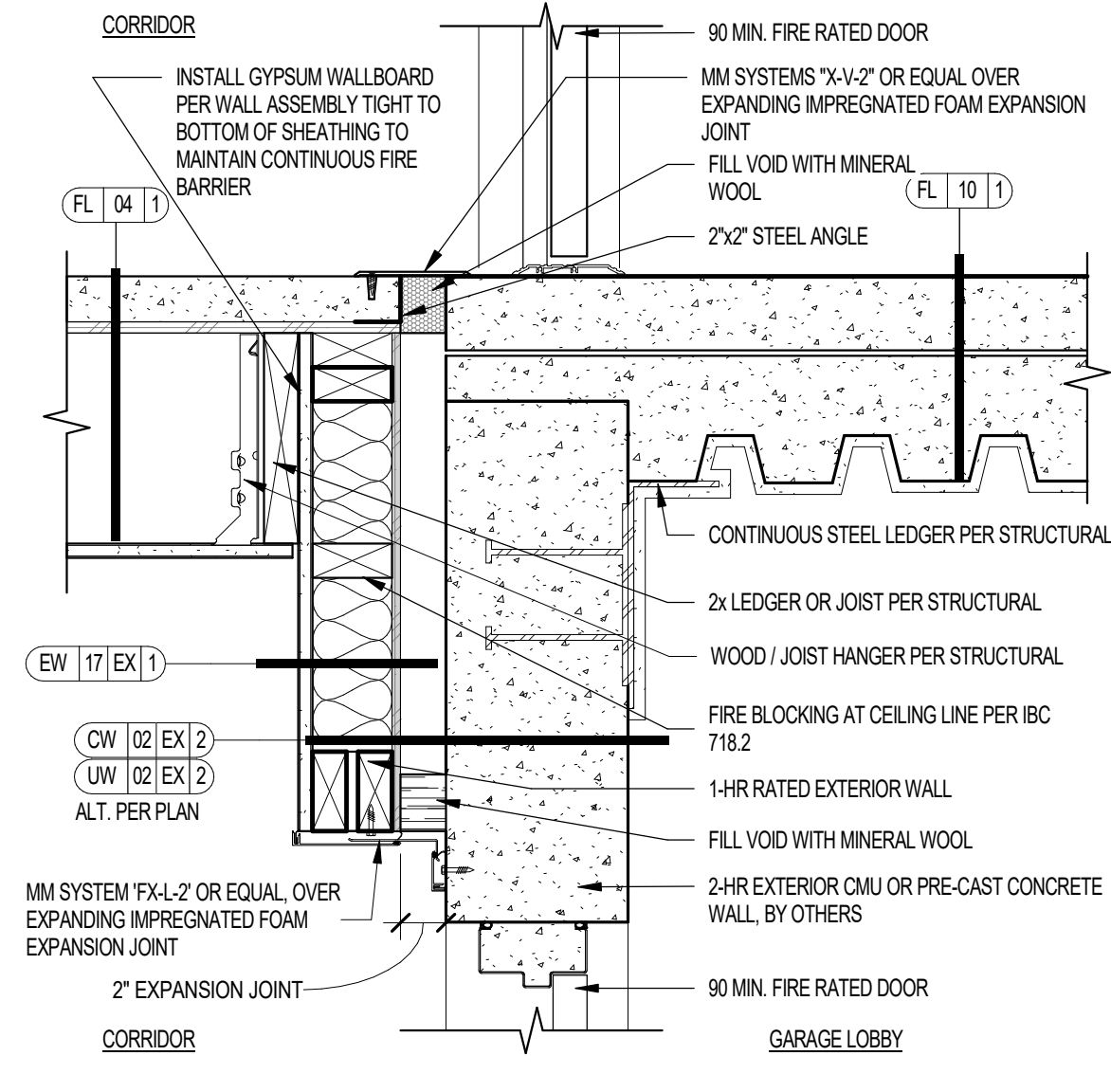
07 EXPANSION JOINT AT GARAGE ENTRY AND WOOD FRAMED WALL
SCALE: 1" = 1'-0"



03 EXPANSION JOINT AT WOOD FRAMED WALL AND GARAGE CONCRETE WALL
SCALE: 1 1/2" = 1'-0"



04 EXPANSION JOINT AT ENTRY AT RATED SLAB ON DECK
SCALE: 1 1/2" = 1'-0"



00 EXPANSION JOINTS AT GARAGE
SCALE: 1 1/2" = 1'-0"

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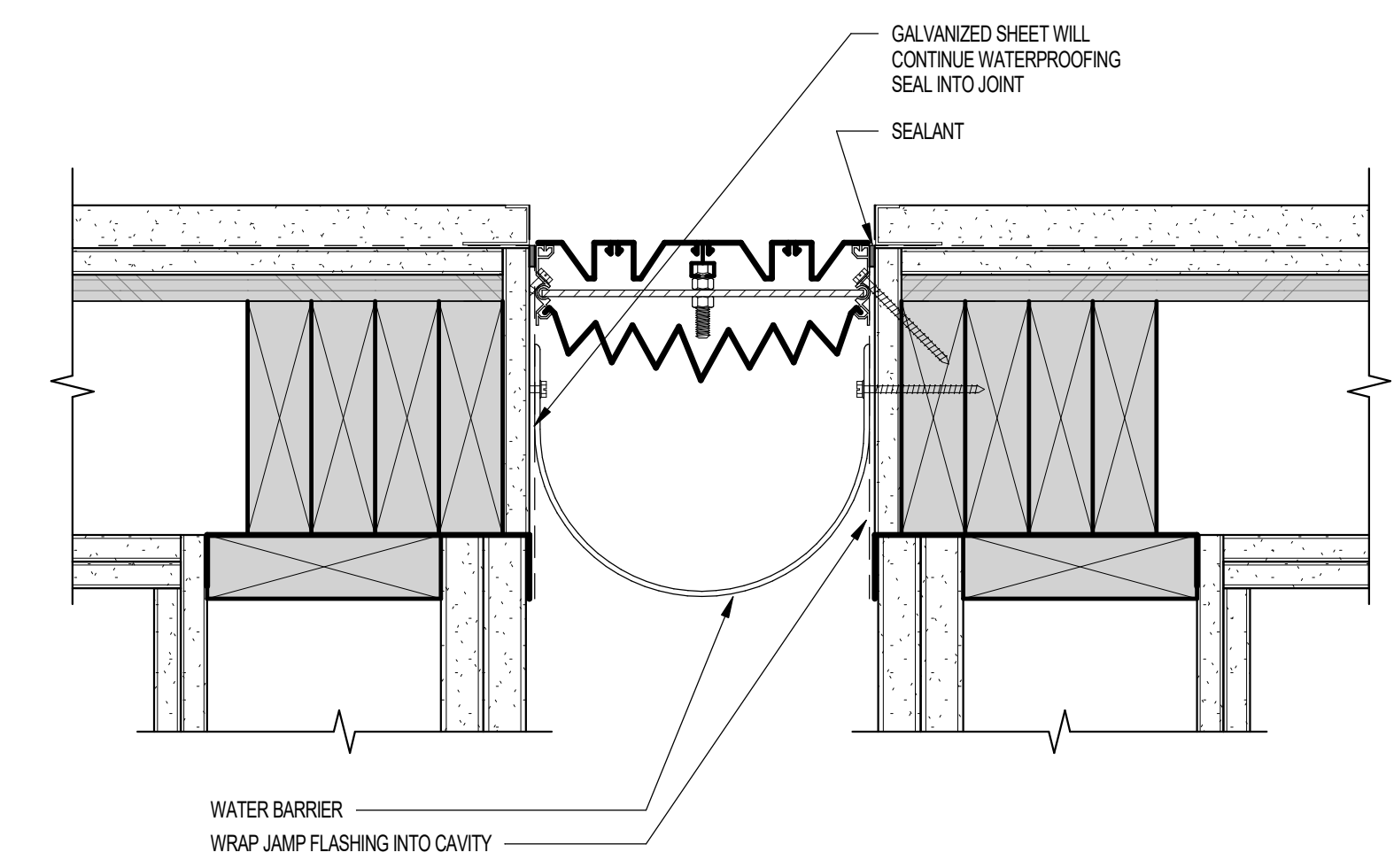
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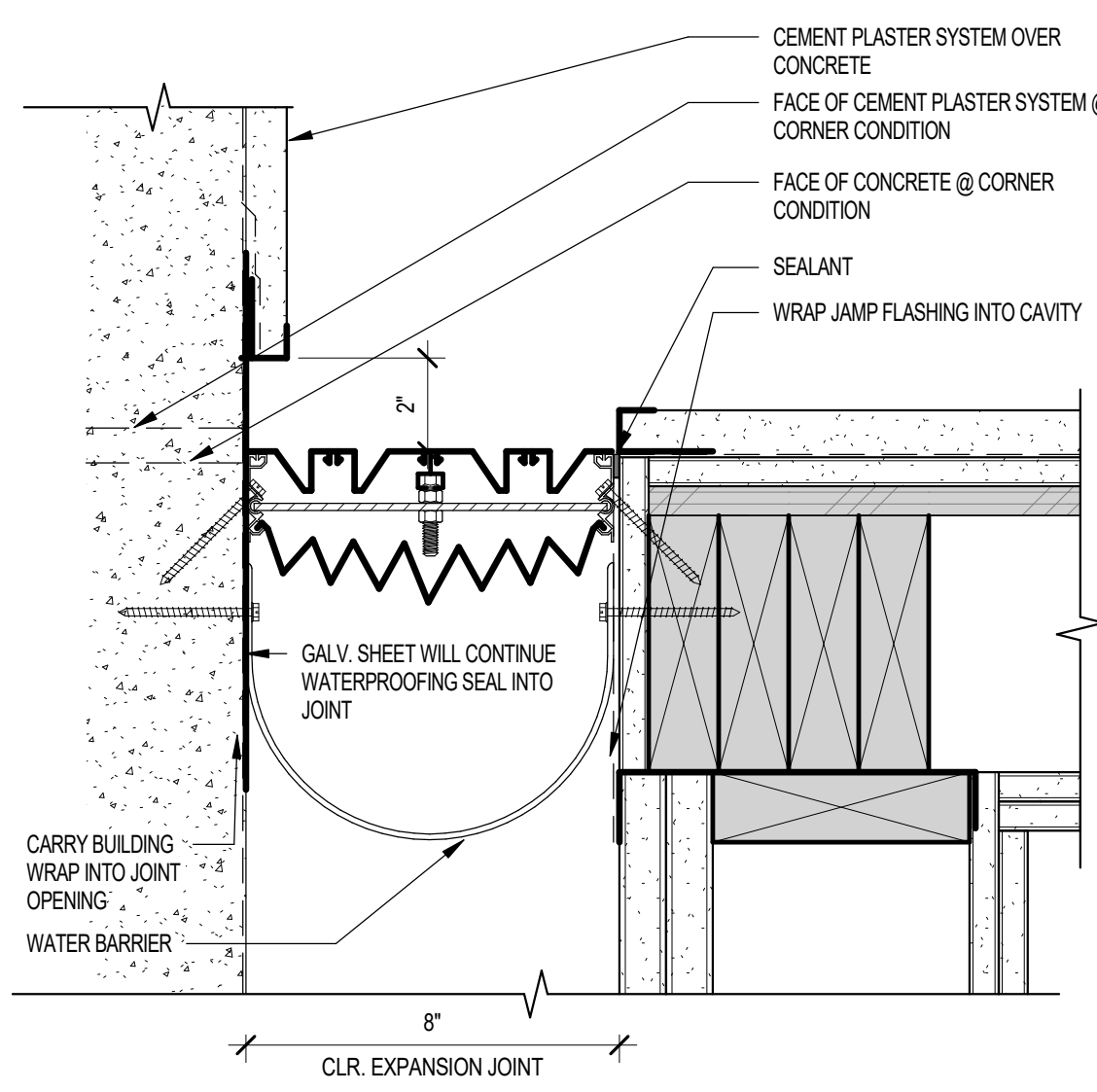
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

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FIRE/EXPANSION JOINTS AT GARAGE



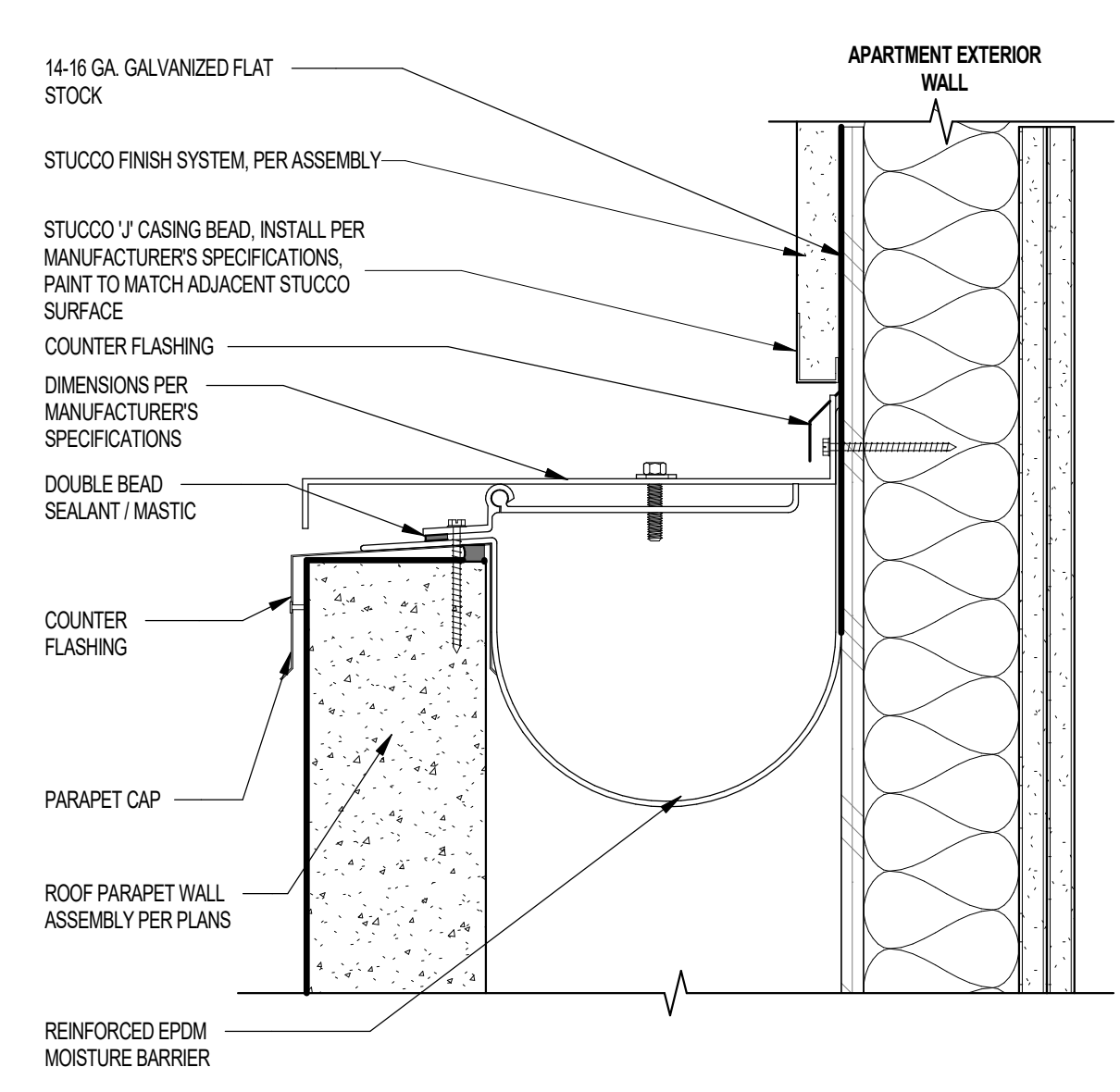
NOTE:
RATED SUBSTRATE MUST BE IN COMPLIANCE WITH UL ASSEMBLY REQUIREMENTS

17 SEISMIC JOINT @ WALL SCALE: 3" = 1'-0"



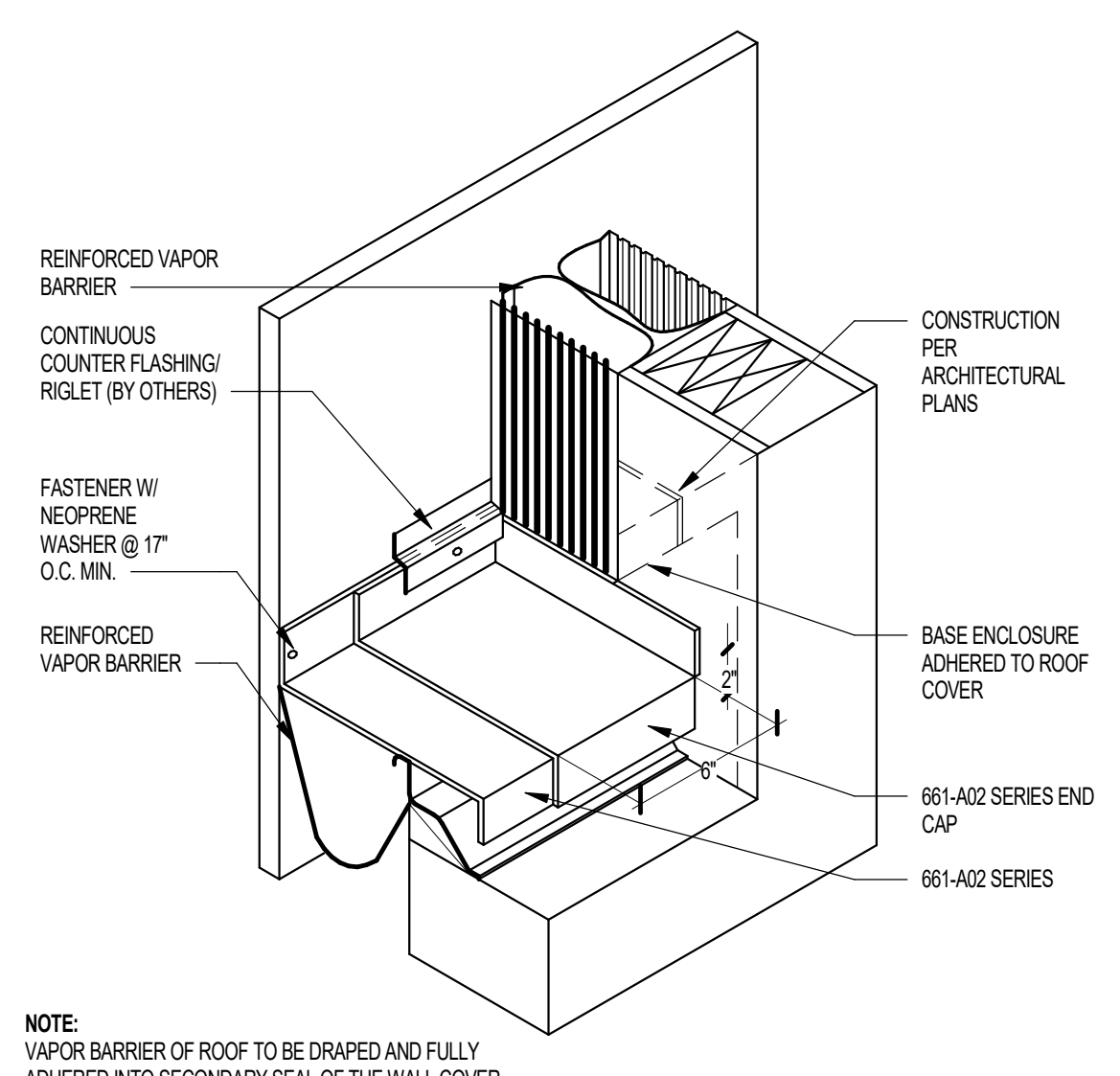
NOTE:
RATED SUBSTRATE MUST BE IN COMPLIANCE WITH UL ASSEMBLY REQUIREMENTS

09 SEISMIC JOINT @ CONCRETE WALL SCALE: 3" = 1'-0"



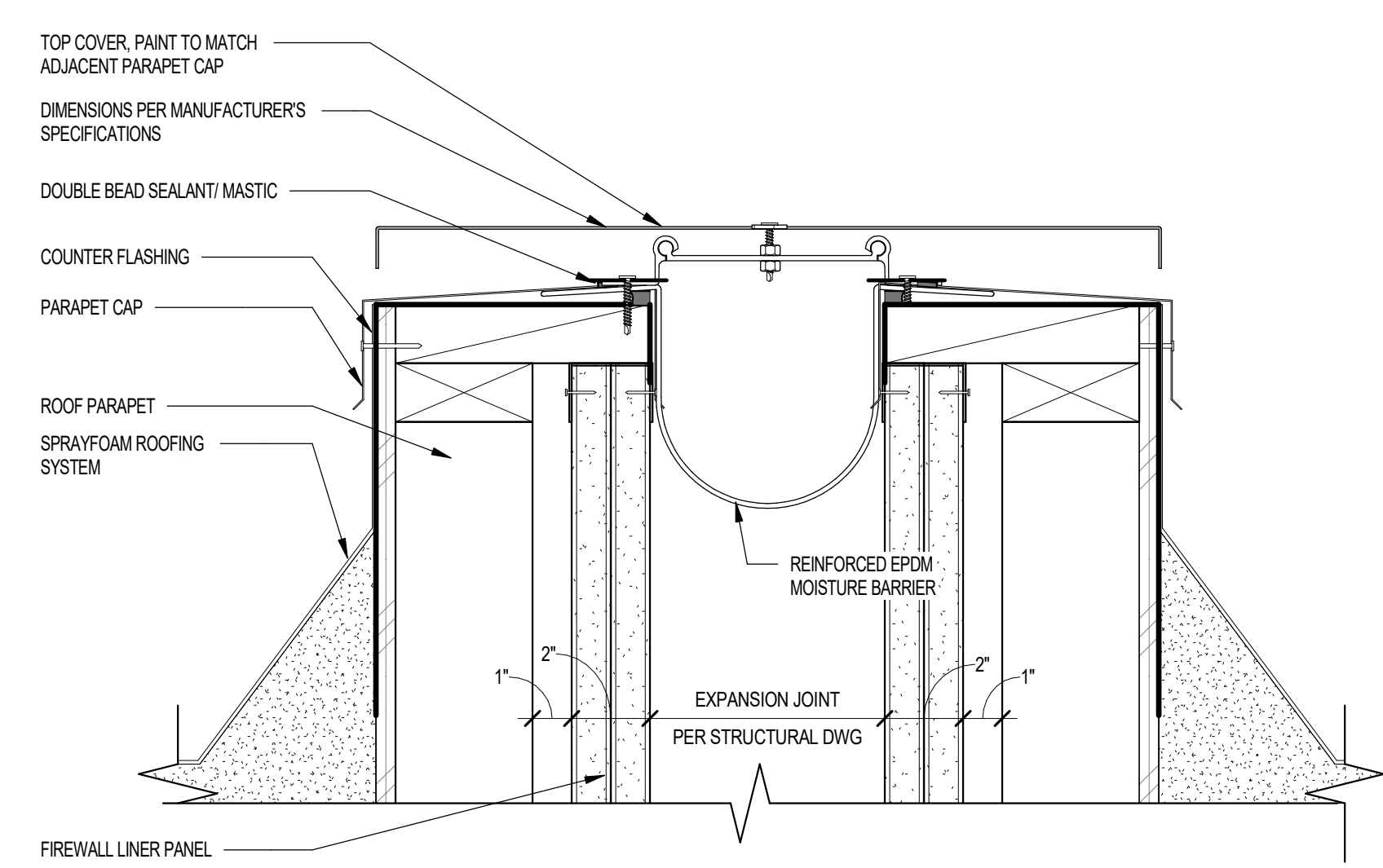
NOTE:
RATED SUBSTRATE MUST BE IN COMPLIANCE WITH UL ASSEMBLY REQUIREMENTS

05 PARAPET MOUNTING @ GARAGE PARAPET SCALE: 3" = 1'-0"

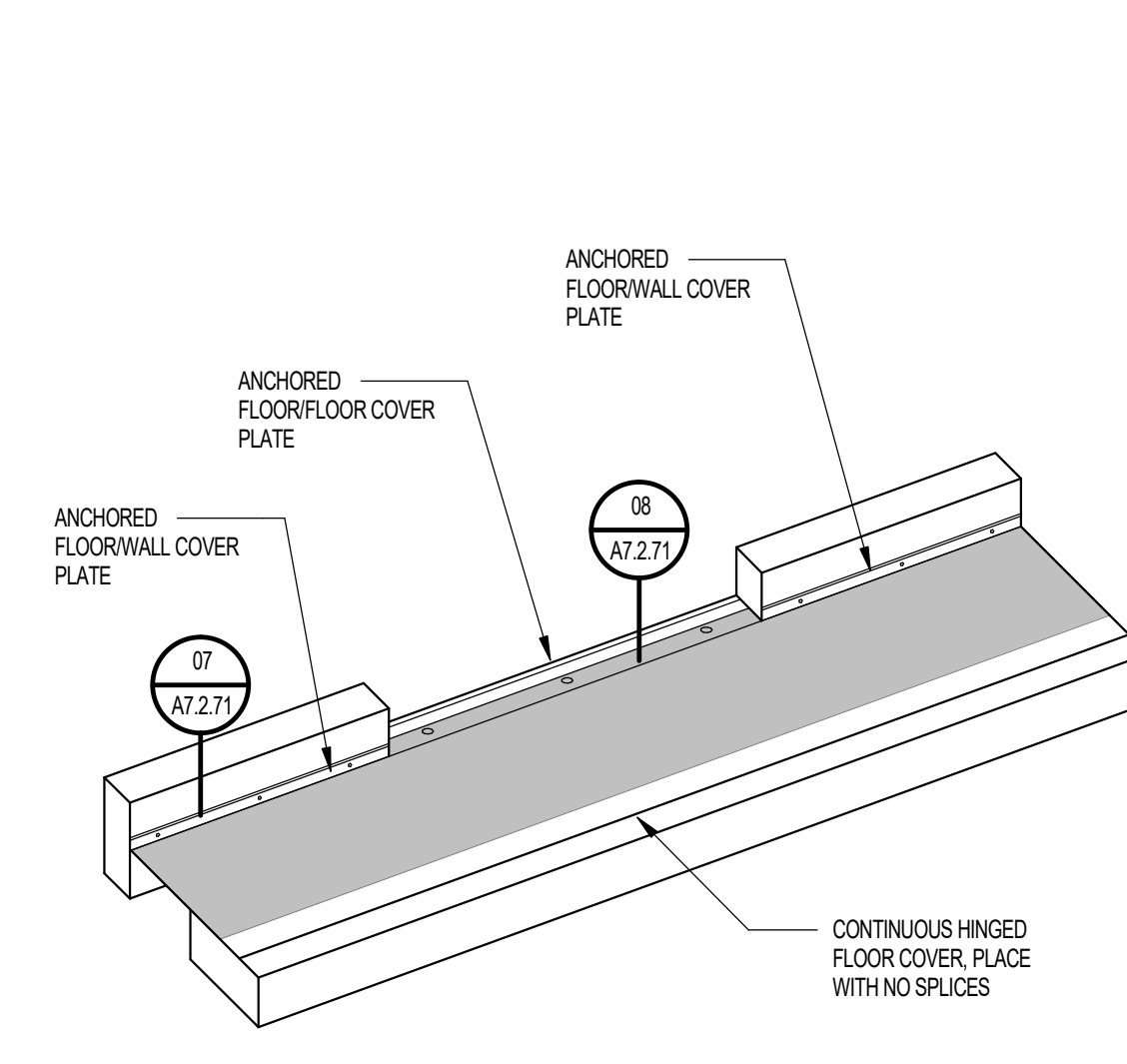


NOTE:
VAPOR BARRIER OF ROOF TO BE DRAPPED AND FULLY ADHERED INTO SECONDARY SEAL OF THE WALL COVER AT ROOF LEVEL OR SLIGHTLY BELOW TO DIVERT WATER DOWN THE VERTICAL.

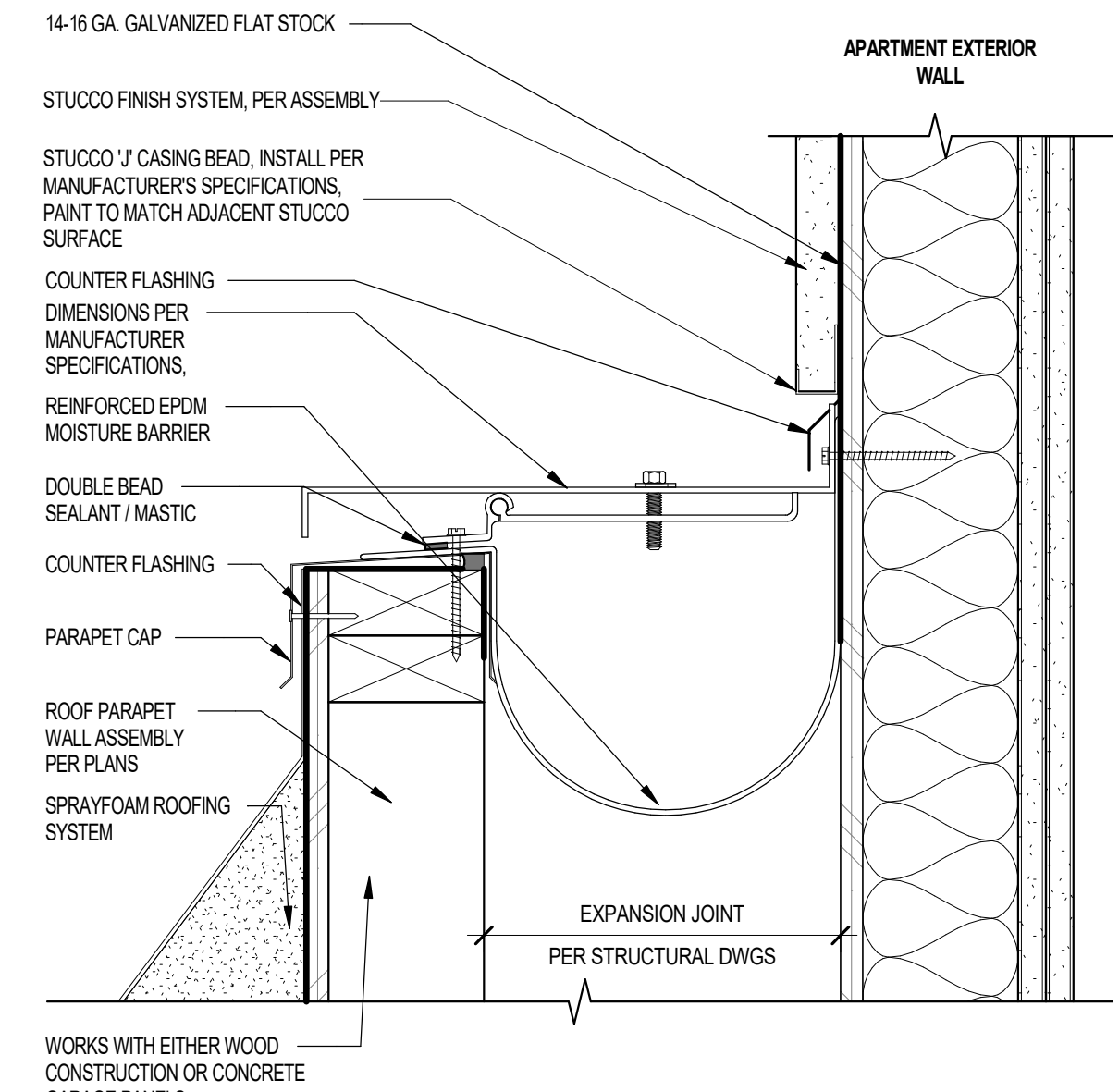
01 EXPANSION JOINT COVER - END CAP SCALE: 1 1/2" = 1'-0"



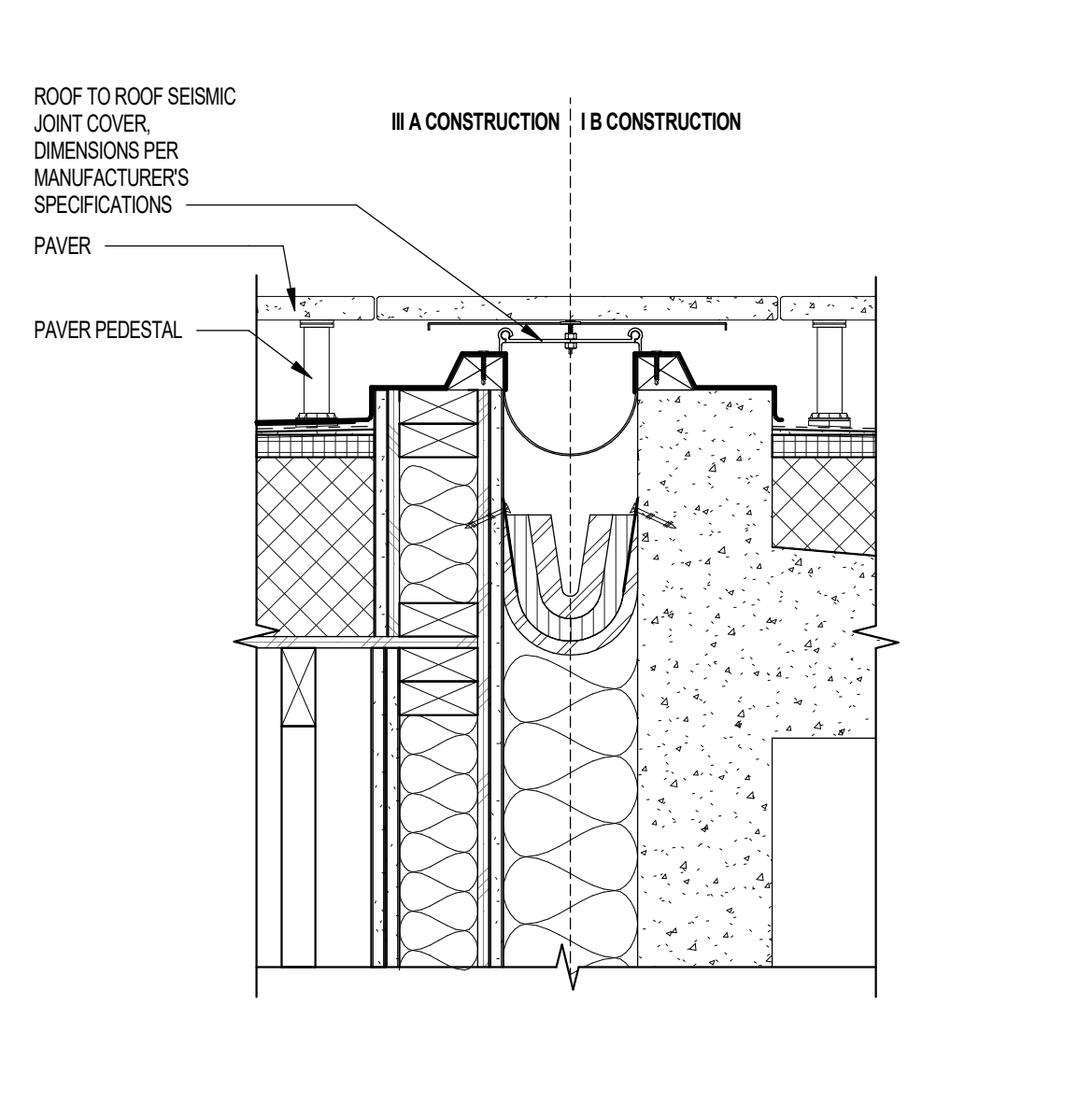
18 COVER @ FIREWALL ROOF PARAPET SCALE: 3" = 1'-0"



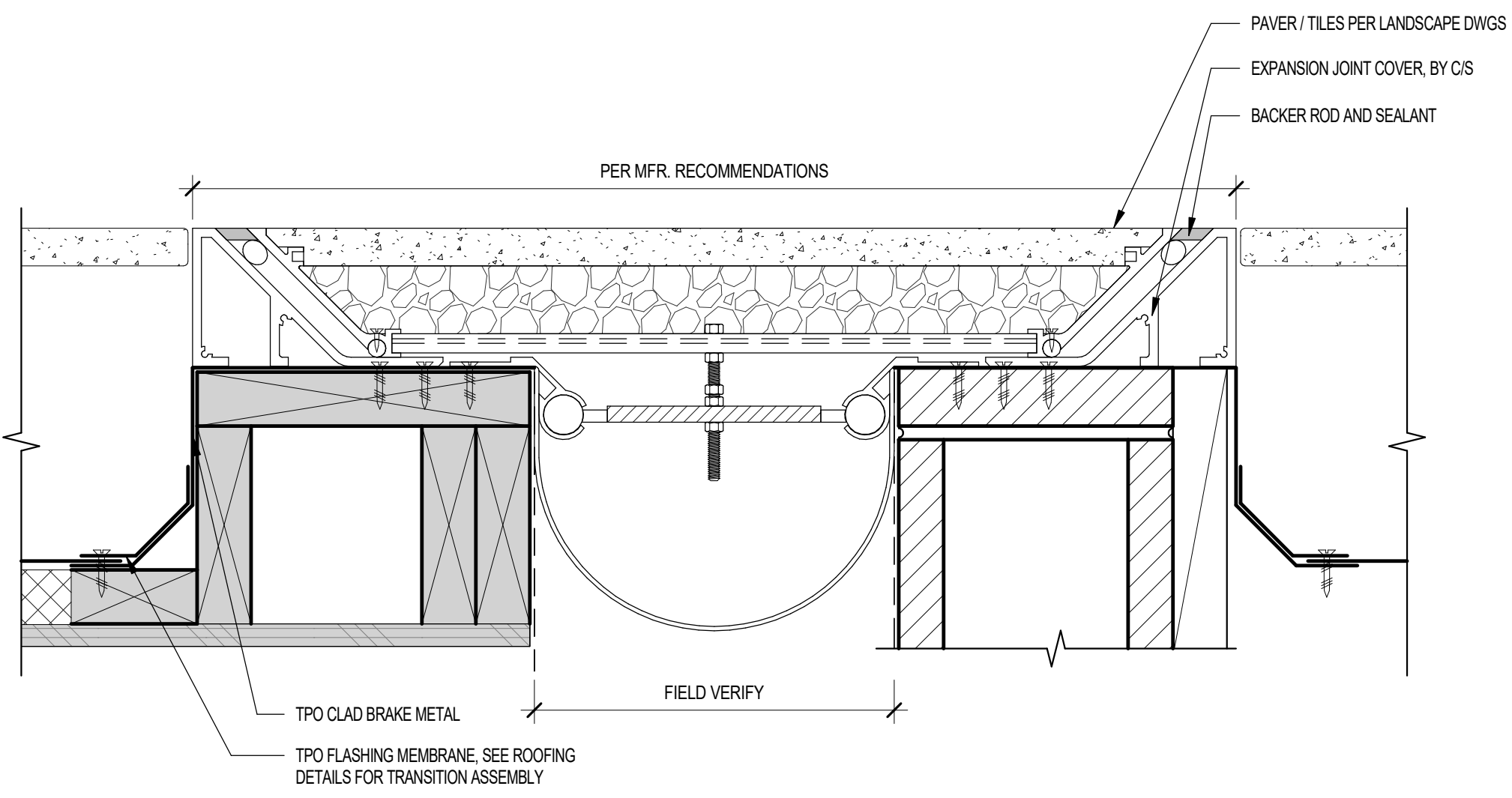
10 TRANSITION JOINT SCALE: 3" = 1'-0"



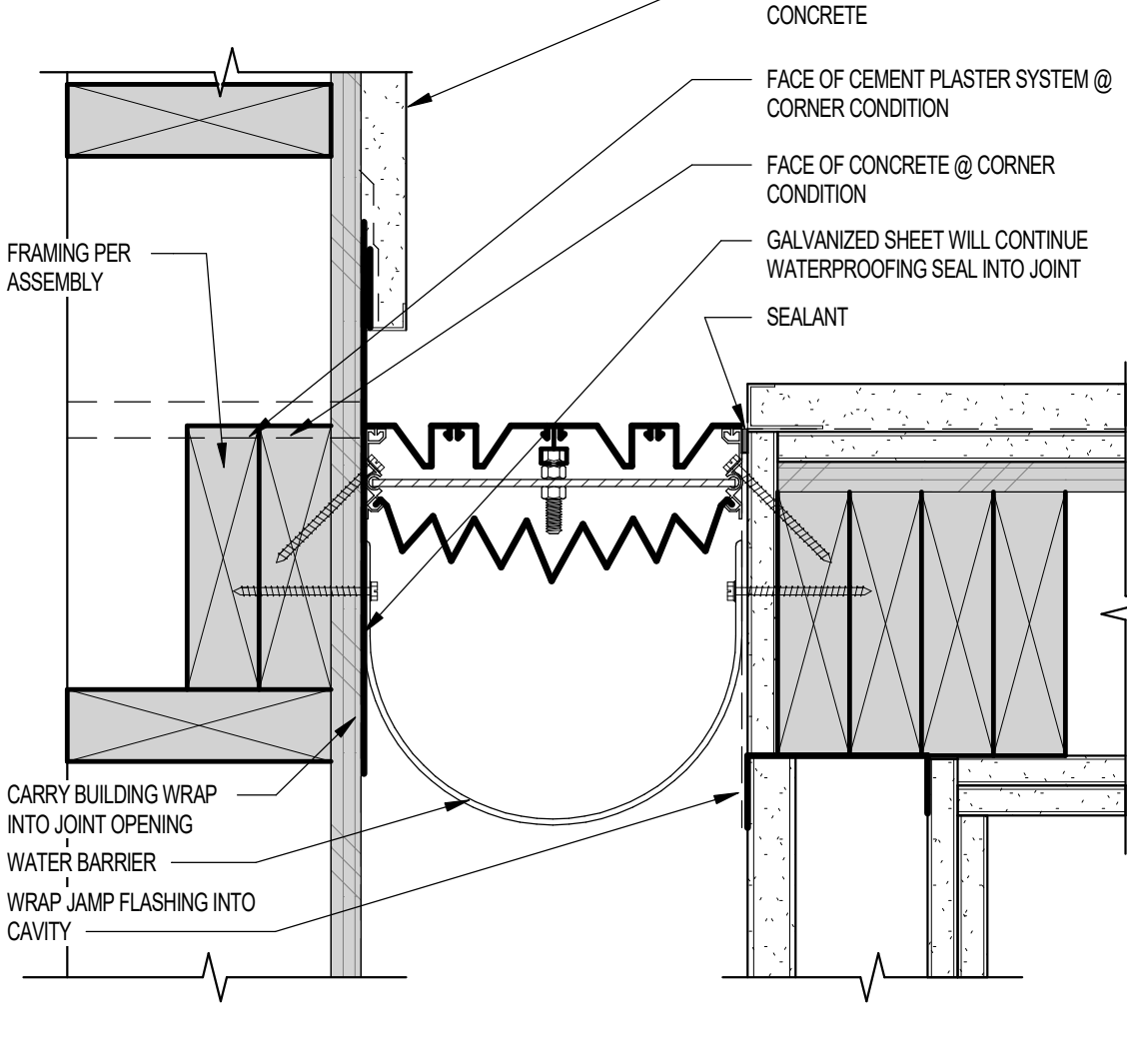
06 PARAPET MOUNTING @ ROOF PARAPET SCALE: 3" = 1'-0"



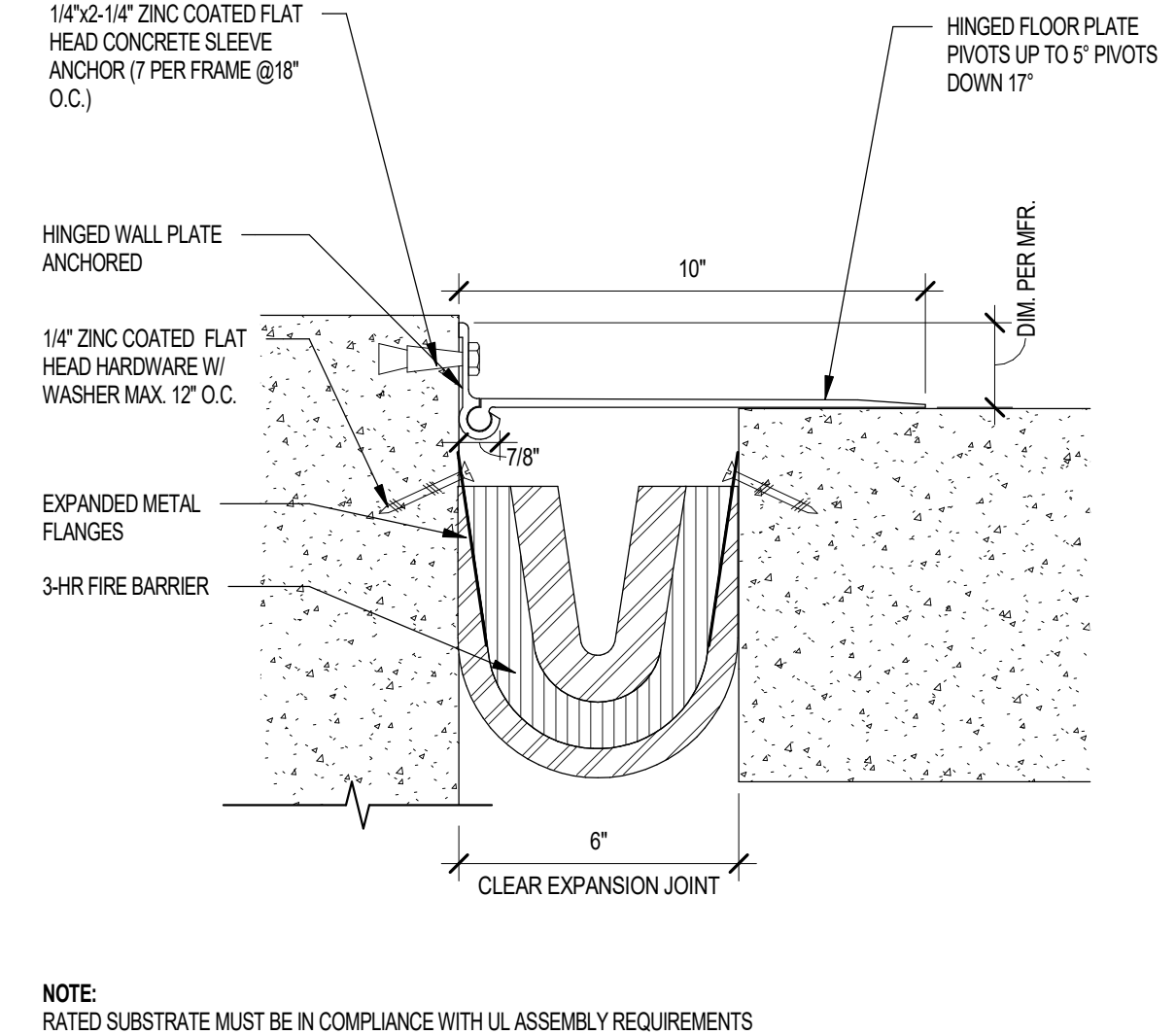
02 EXPANSION JOINT COVER PLATE AT PAVERS SCALE: 1 1/2" = 1'-0"



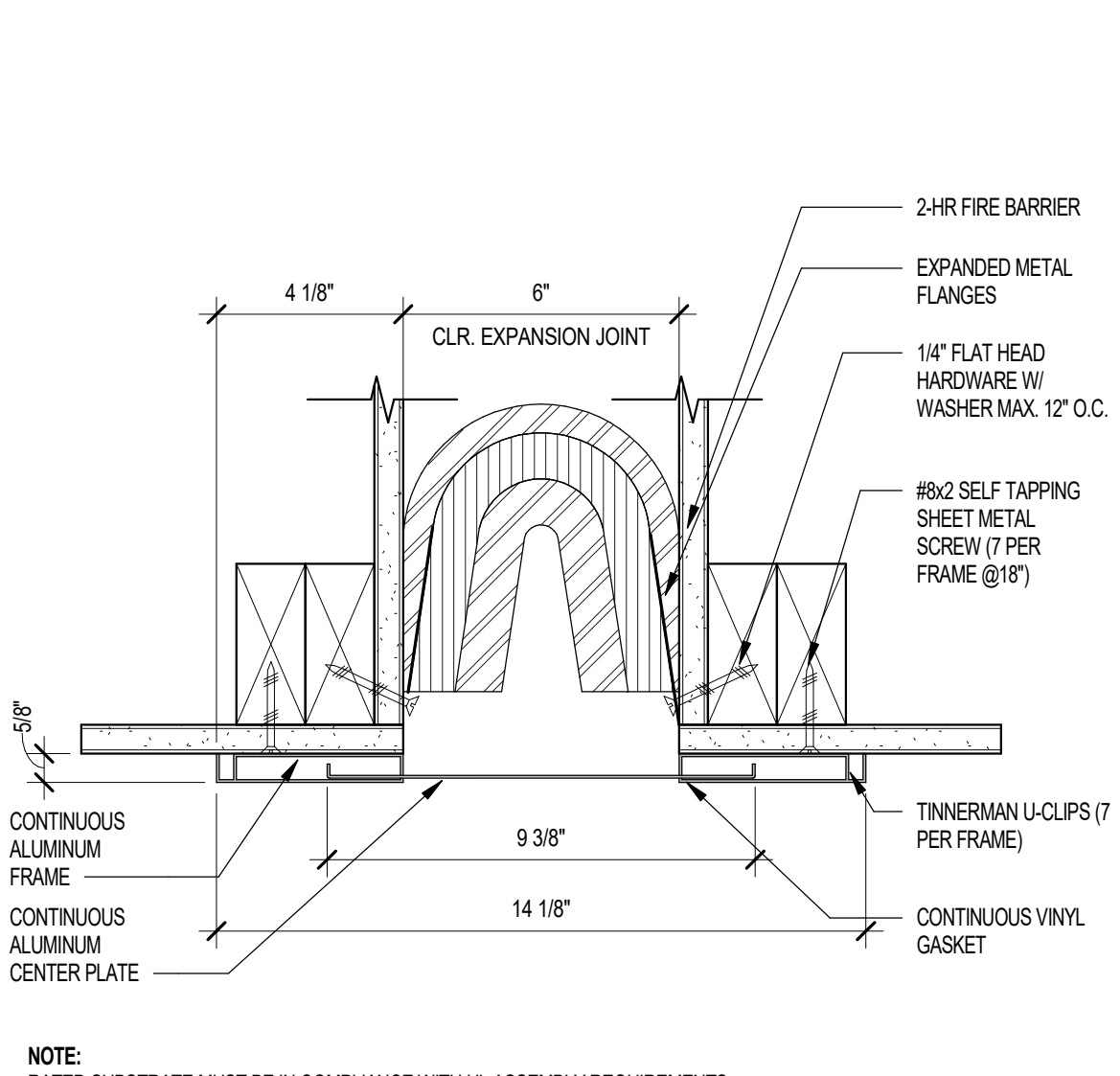
19 EXPANSION JOINT COVER PLATE - CMU / WOOD SEISMIC JOINT SCALE: 3" = 1'-0"



11 SEISMIC JOINT @ WOOD WALL SCALE: 3" = 1'-0"



07 STANDARD COVER PLATE - INTERIOR FLOOR / FLOOR CONDITION SCALE: 3" = 1'-0"



03 GLIDE PLATE AT WALL - CEILING CONDITION SCALE: 3" = 1'-0"

NOTE:
ALL SEALANTS AND ADHESIVES SHALL BE TPO COMPATIBLE

NOTE:
RATED SUBSTRATE MUST BE IN COMPLIANCE WITH UL ASSEMBLY REQUIREMENTS

NOTE:
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Project Name 2
Street Address
City, State
Office of Rich Barber
ORB
Architecture, LLC
WorldHQ@ORBArch.com

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Notice of alternate billing (or payment) cycle
This contract allows the client the right to request the admission of billing or otherwise to billing cycle after the first bill. This contract shall also be subject to the terms, conditions and specifications set forth in the contract and any other documents incorporated by reference into the contract. A written decision of the client shall be final and binding on the contractor.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

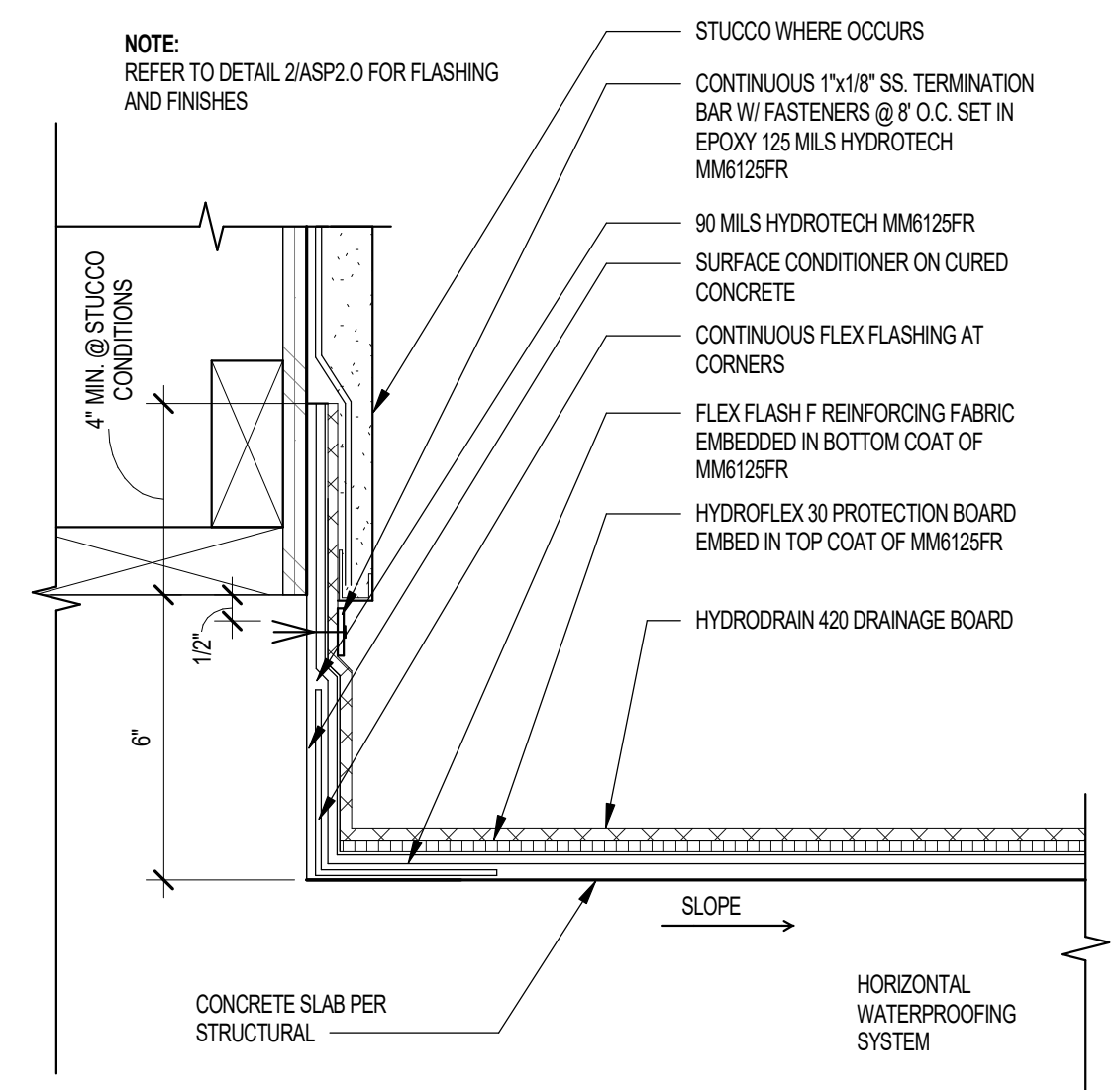
Contractor must verify all dimensions of project before proceeding with this work.

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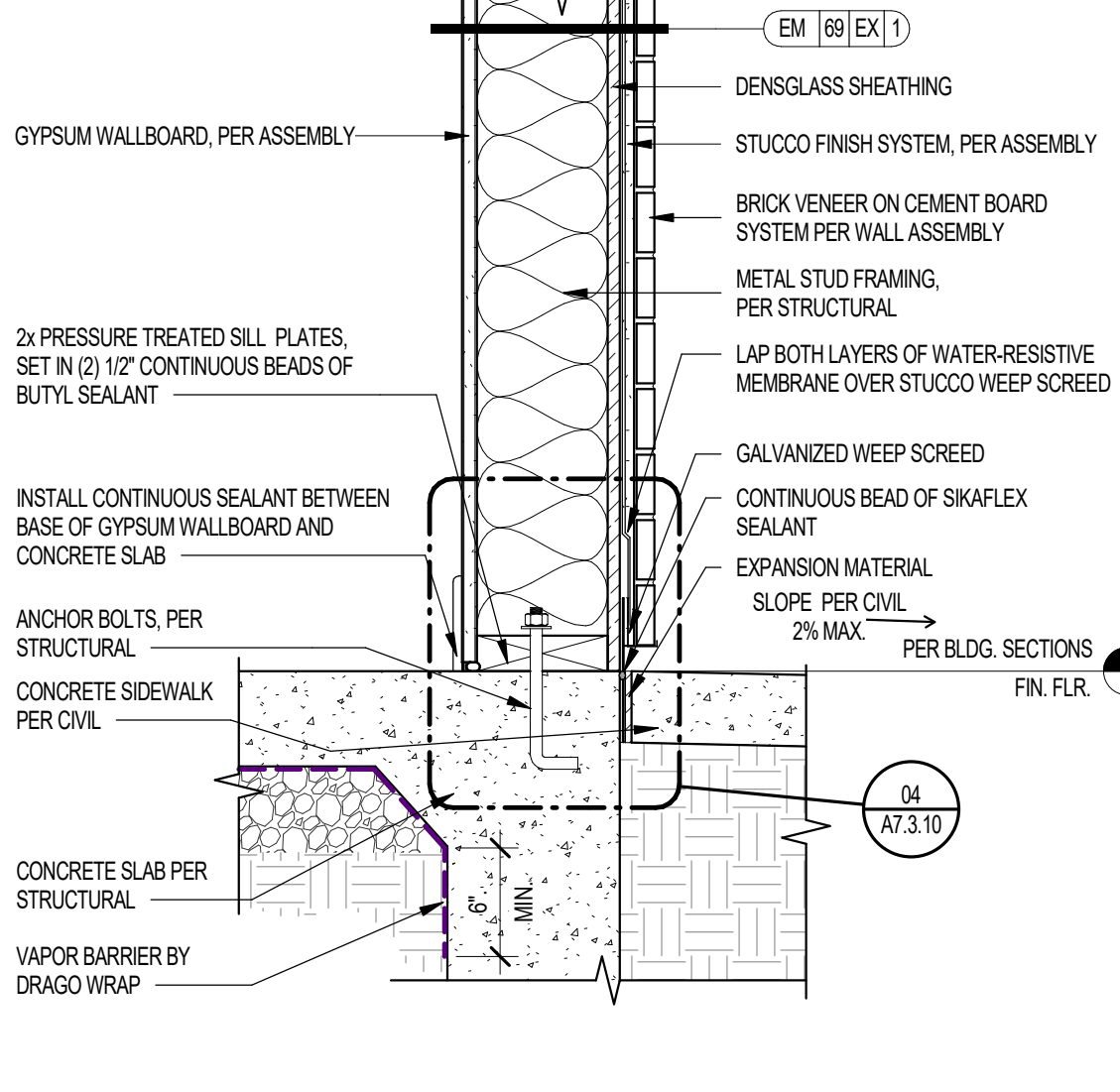
REVISIONS / SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

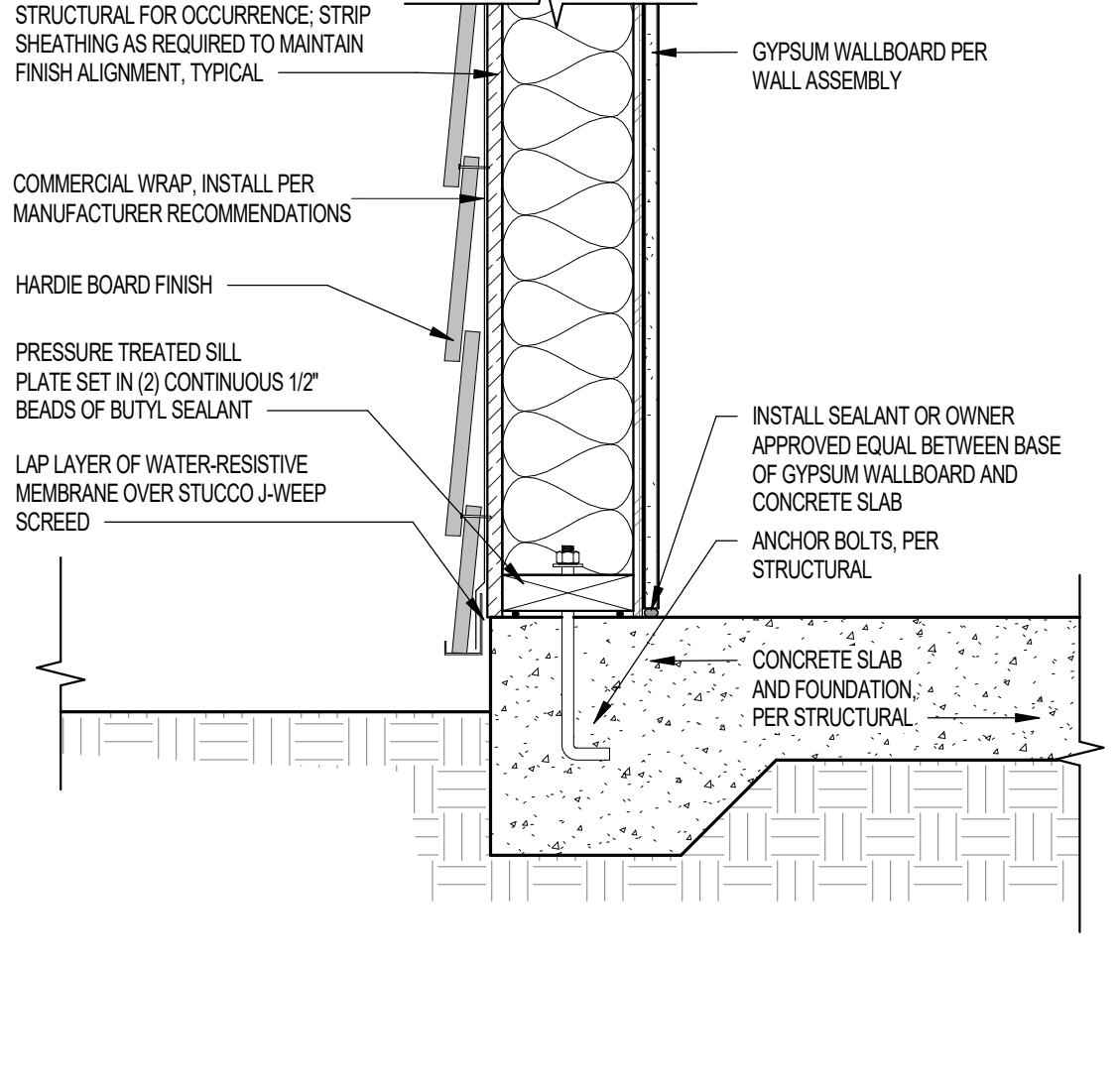
A7.2.71
EXPANSION JOINT COVER DETAILS



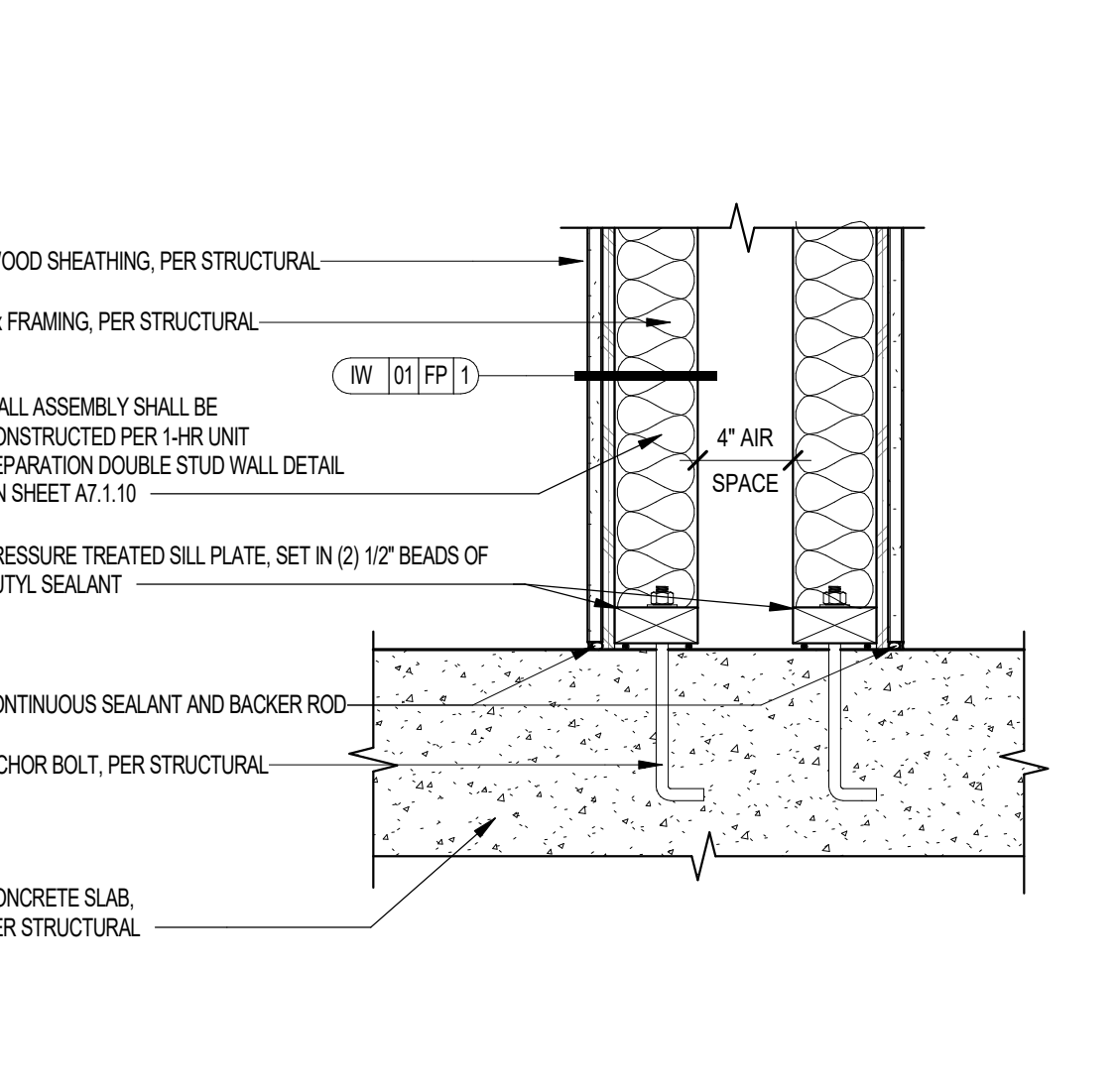
13 VERTICAL WATERPROOFING INSTALLATION
SCALE: 3" = 1'-0"



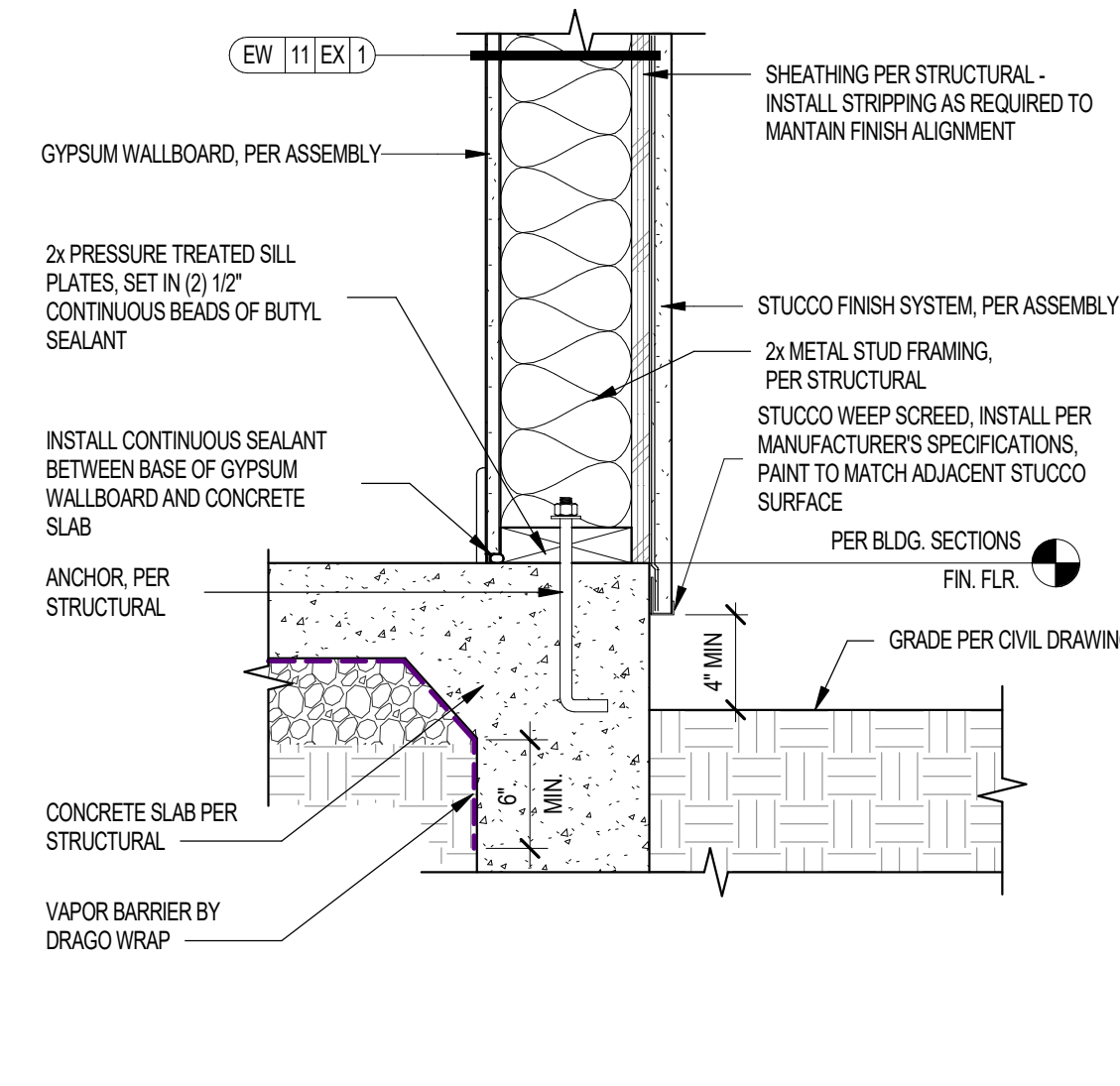
09 EXTERIOR BRICK VENEER OVER WOOD STUD WALL @ CONCRETE SLAB & SIDEWALK
SCALE: 1 1/2" = 1'-0"



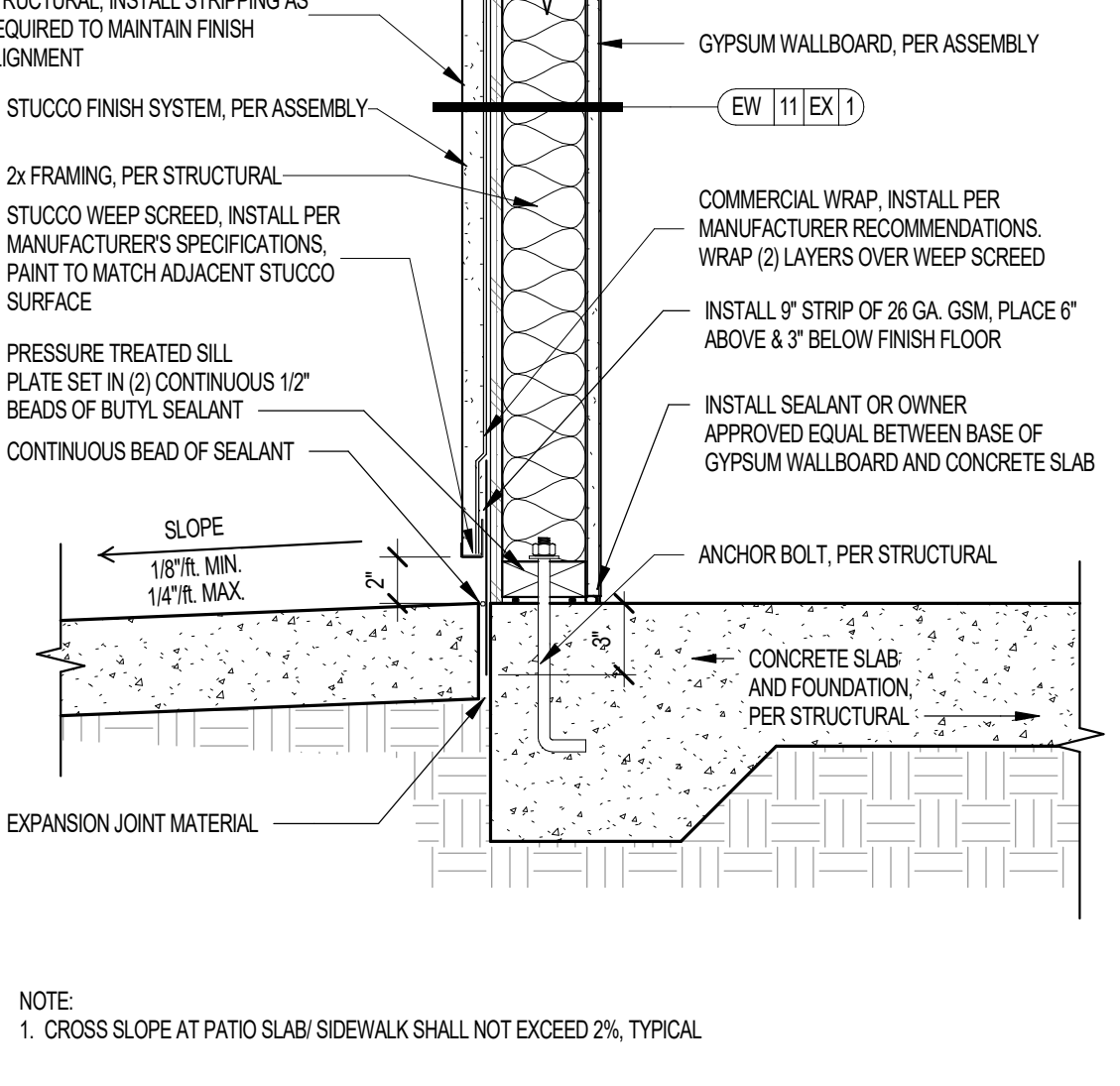
05 HARDIE BOARD EXTERIOR WALL SILL FLASHING AT SLAB ON GRADE
SCALE: 1 1/2" = 1'-0"



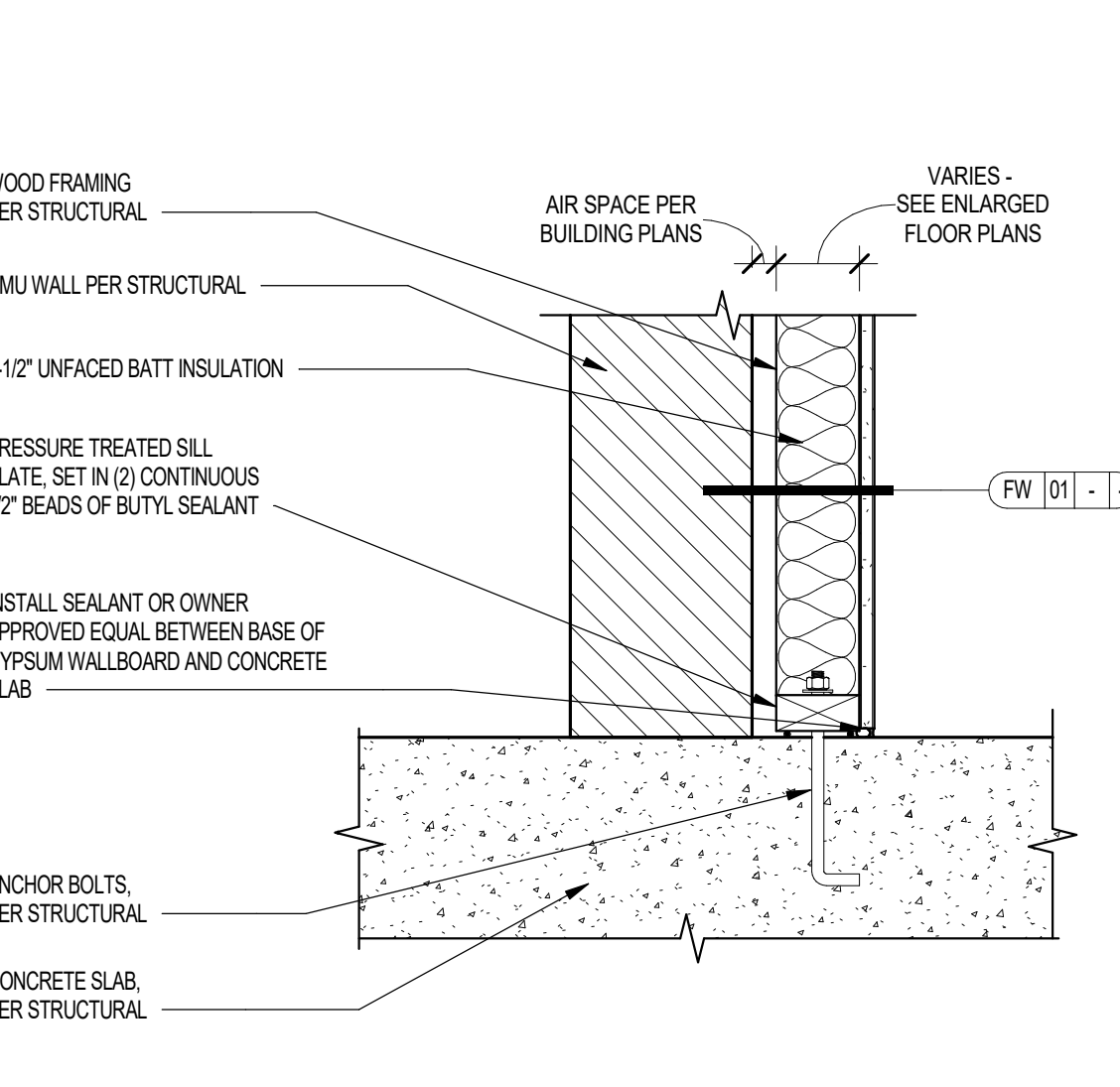
01 1-HR UNIT SEPARATION WALL AT SLAB
SCALE: 1 1/2" = 1'-0"



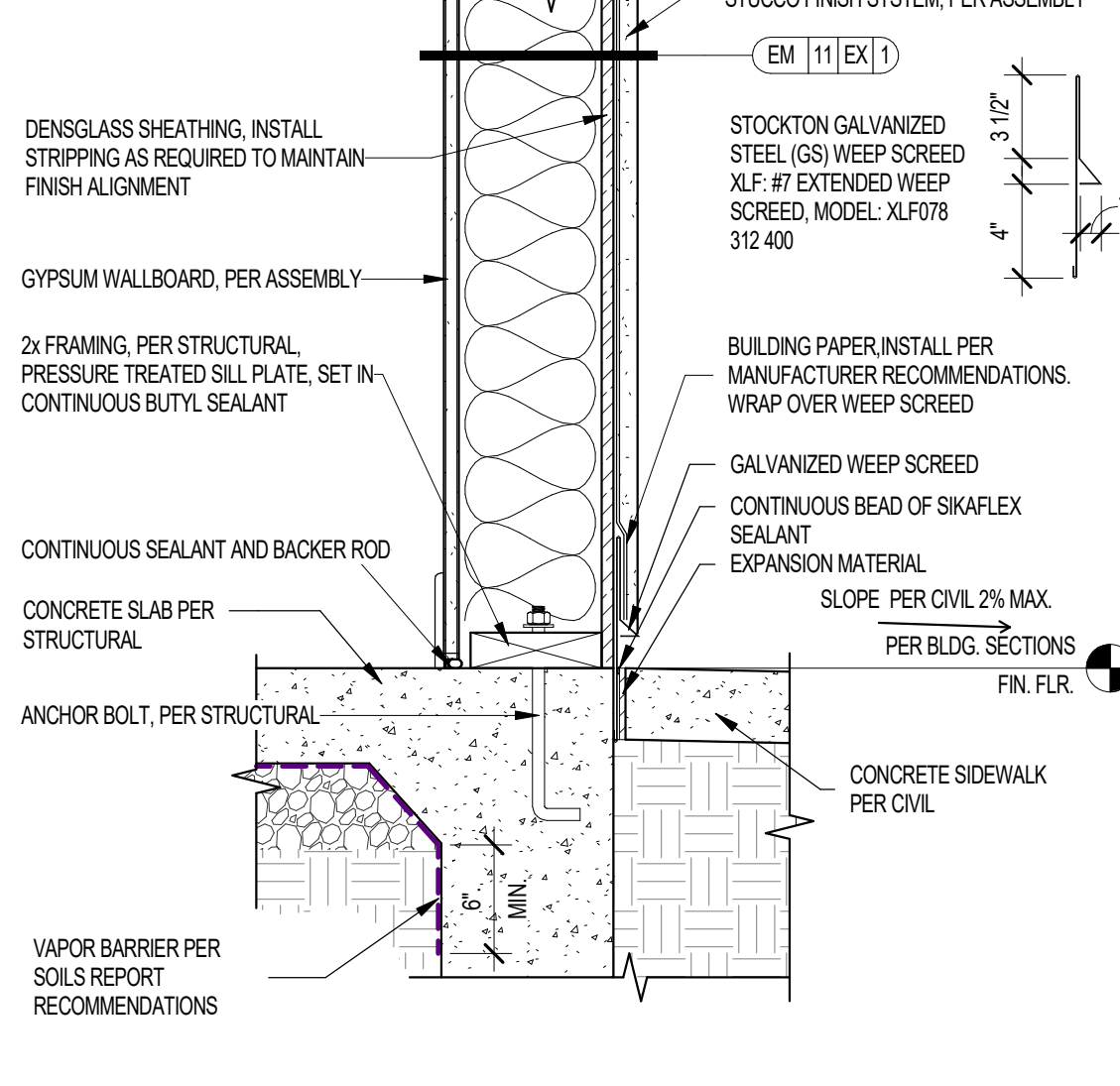
10 EXTERIOR STUCCO OVER WOOD STUD WALL @ CONCRETE SLAB
SCALE: 1 1/2" = 1'-0"



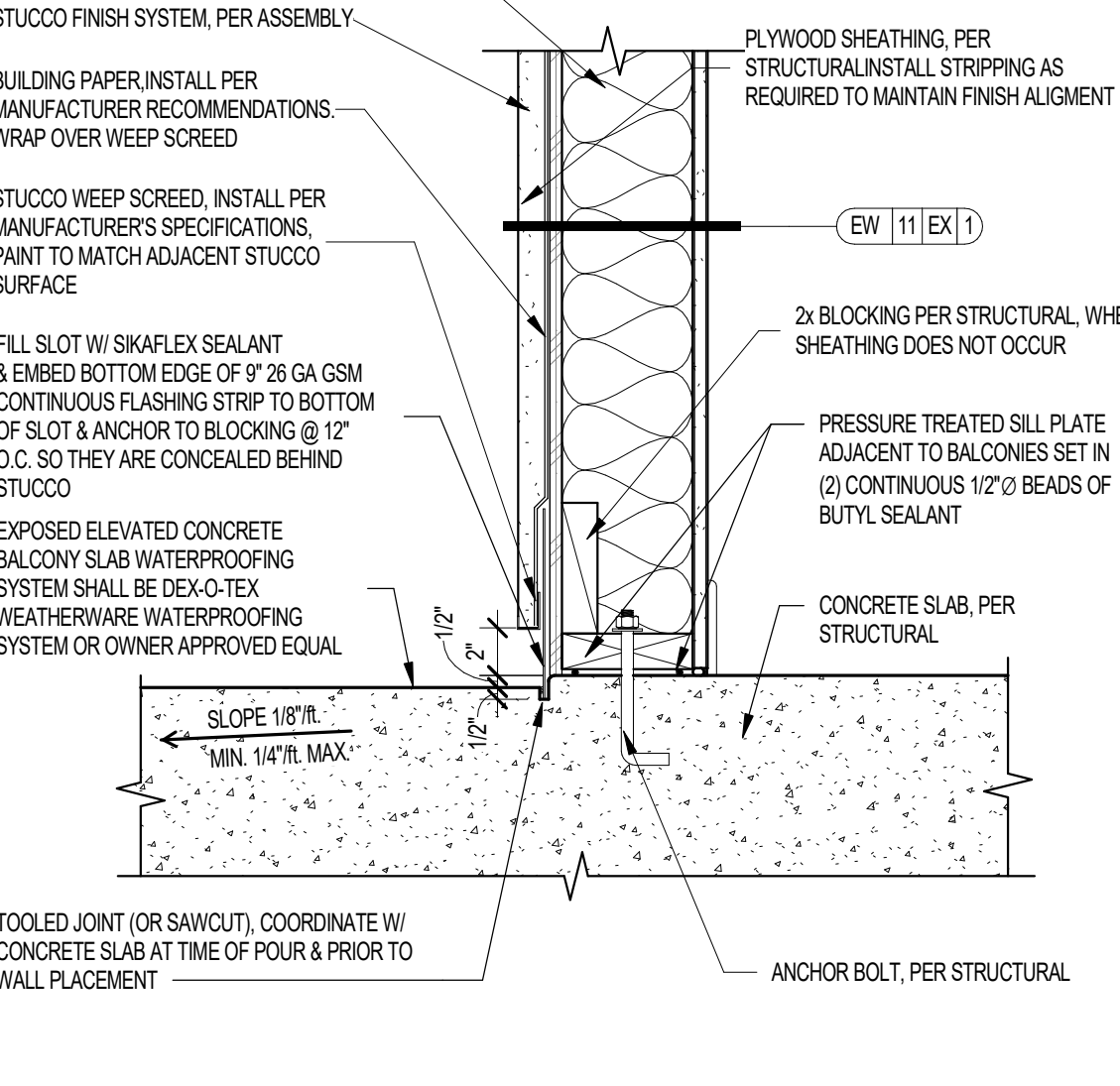
06 PATIO EXTERIOR WALL SILL FLASHING AT SLAB ON GRADE
SCALE: 1 1/2" = 1'-0"



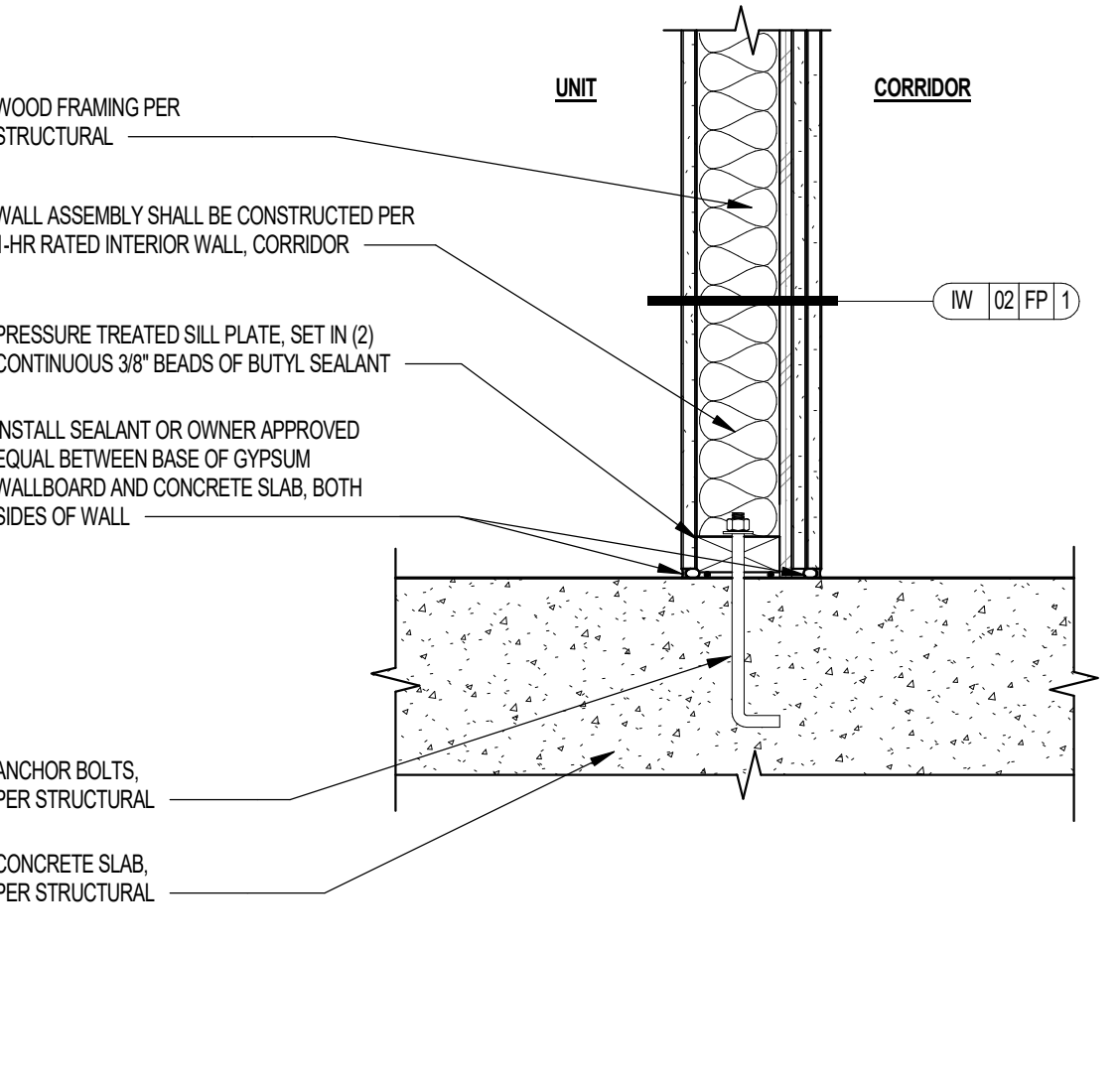
02 WOOD STUD WALL ADJACENT CMU WALL AT SLAB
SCALE: 1 1/2" = 1'-0"



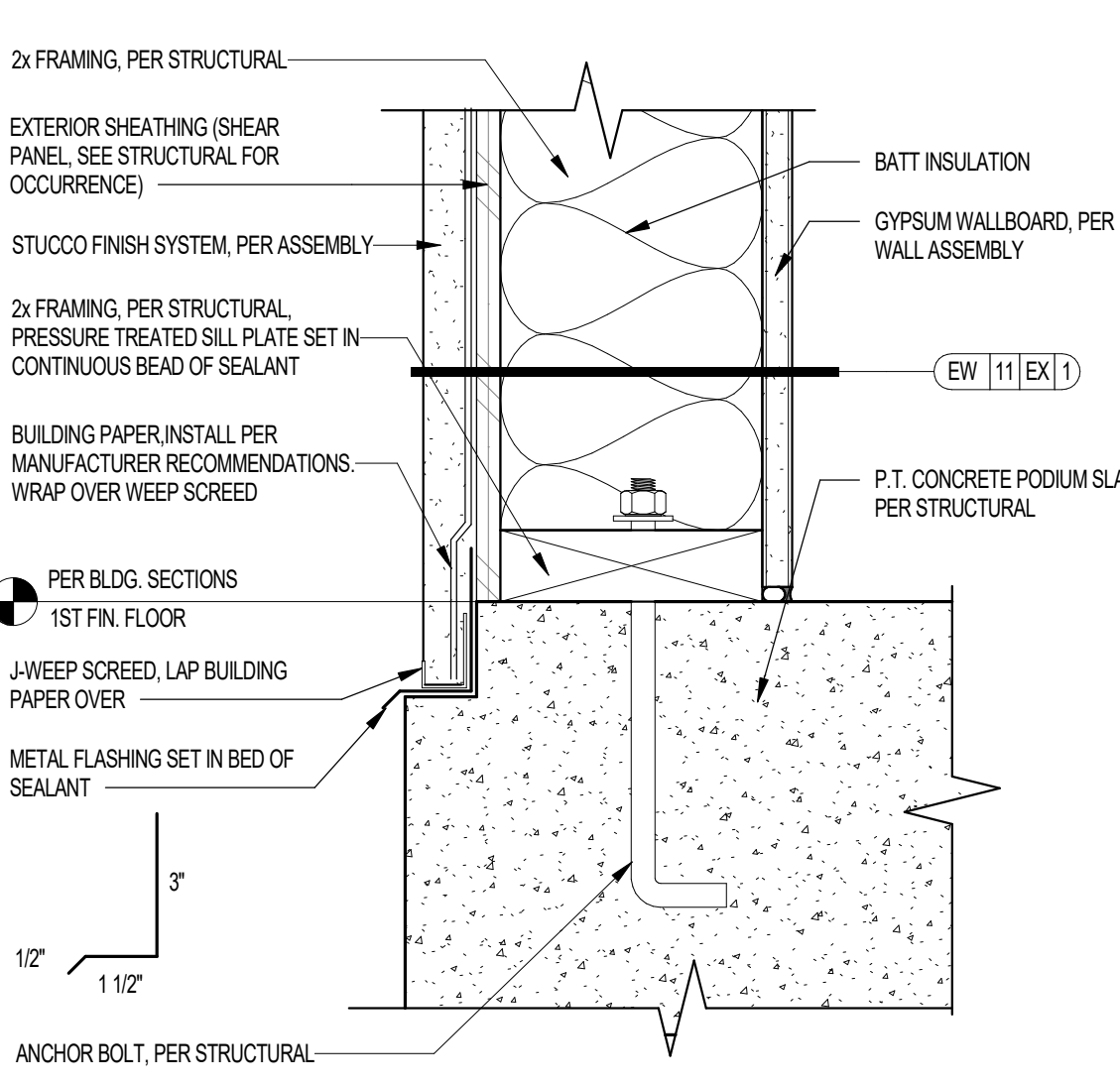
11 EXTERIOR STUCCO OVER WOOD STUD WALL @ CONCRETE SLAB & SIDEWALK
SCALE: 1 1/2" = 1'-0"



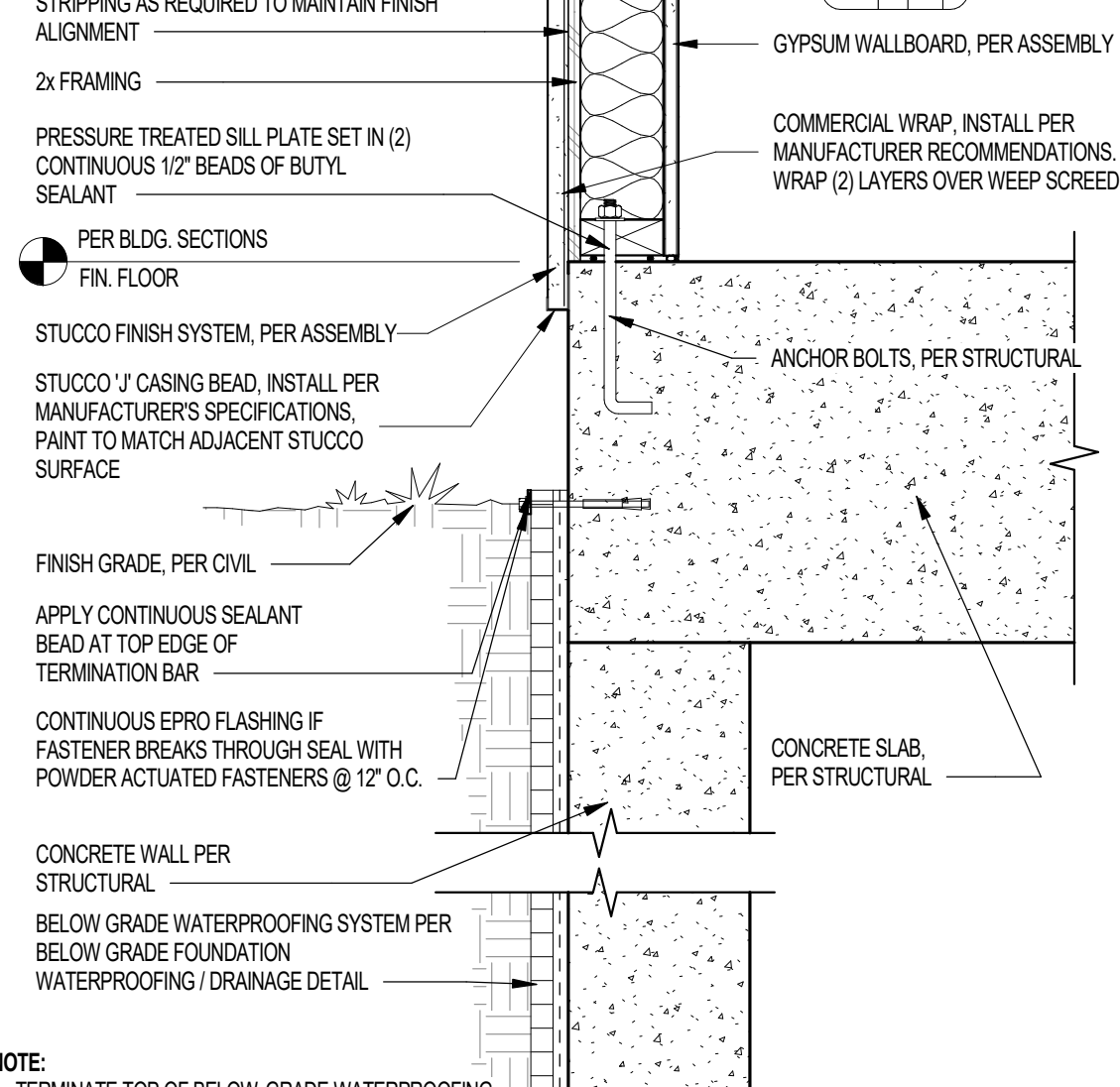
07 PATIO EXTERIOR WALL SILL FLASHING AT PODIUM PATIO
SCALE: 1 1/2" = 1'-0"



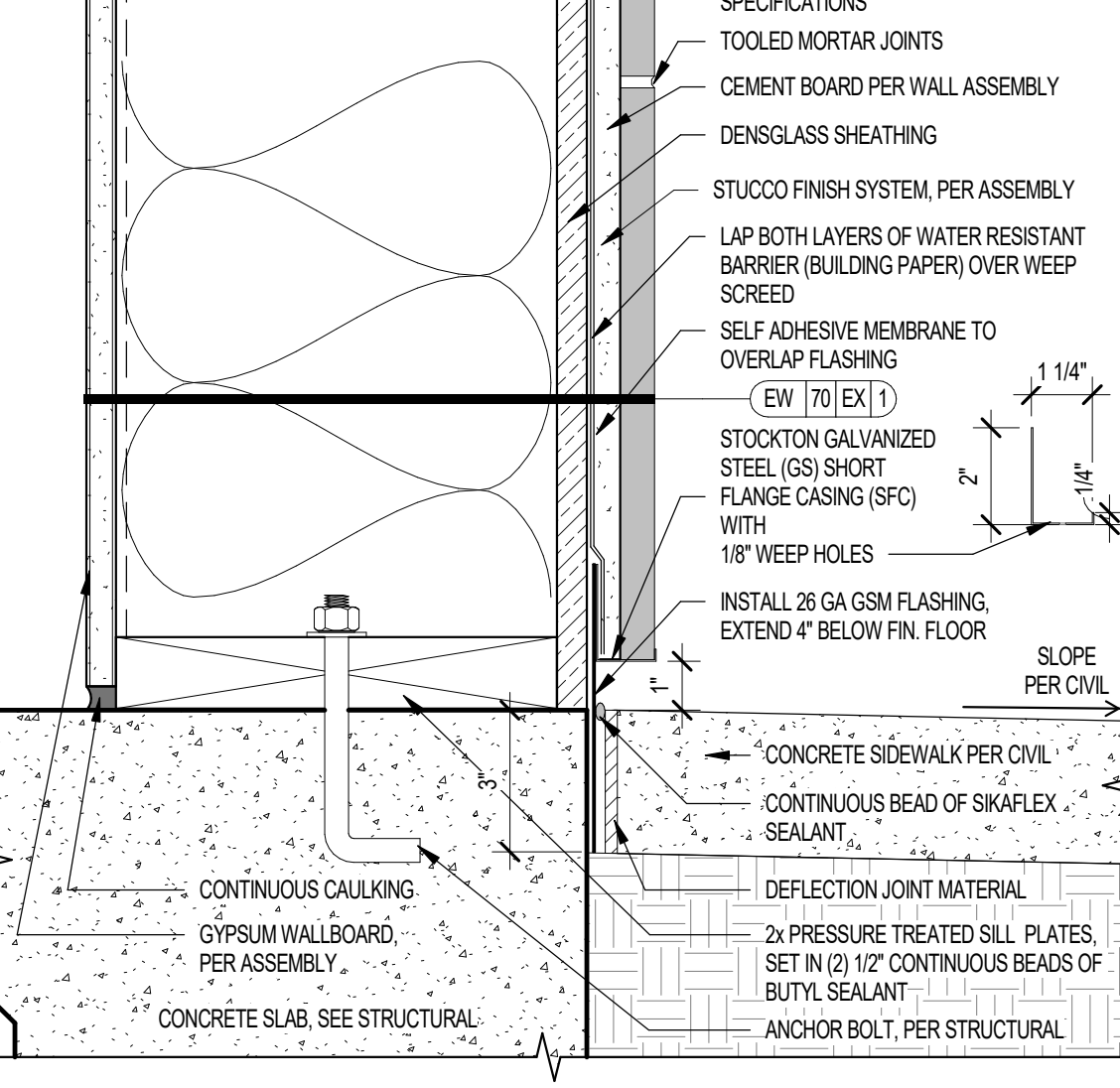
03 1-HR CORRIDOR WALL AT SLAB
SCALE: 1 1/2" = 1'-0"



12 SLAB NOTCH AT EXTERIOR STUCCO WALL
SCALE: 3" = 1'-0"



08 EXTERIOR WOOD FRAMING WALL AT PODIUM EDGE
SCALE: 1 1/2" = 1'-0"



04 STONE VENEER HORIZONTAL CONTROL JOINT @ CONCRETE SLAB - WOOD FRAMING
SCALE: 3" = 1'-0"

Notice of alternate billing (or payment) cycle
This contract allows the owner to request the admission of change or addition to billing cycle after the first bill. This contract shall be subject to the payment cycle and schedule of alternate billing after certification and approval of billing and estimates. A further decision of whether billing cycle applies to the project is available from the owner or the owner's design agent.

CLIENT NAME
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and the owner or its design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is altered. They are made available to the contractor for use in preparation of the project. They shall be used only for the project for which they are prepared. A further decision of whether billing cycle applies to the project is available from the owner or the owner's design agent.

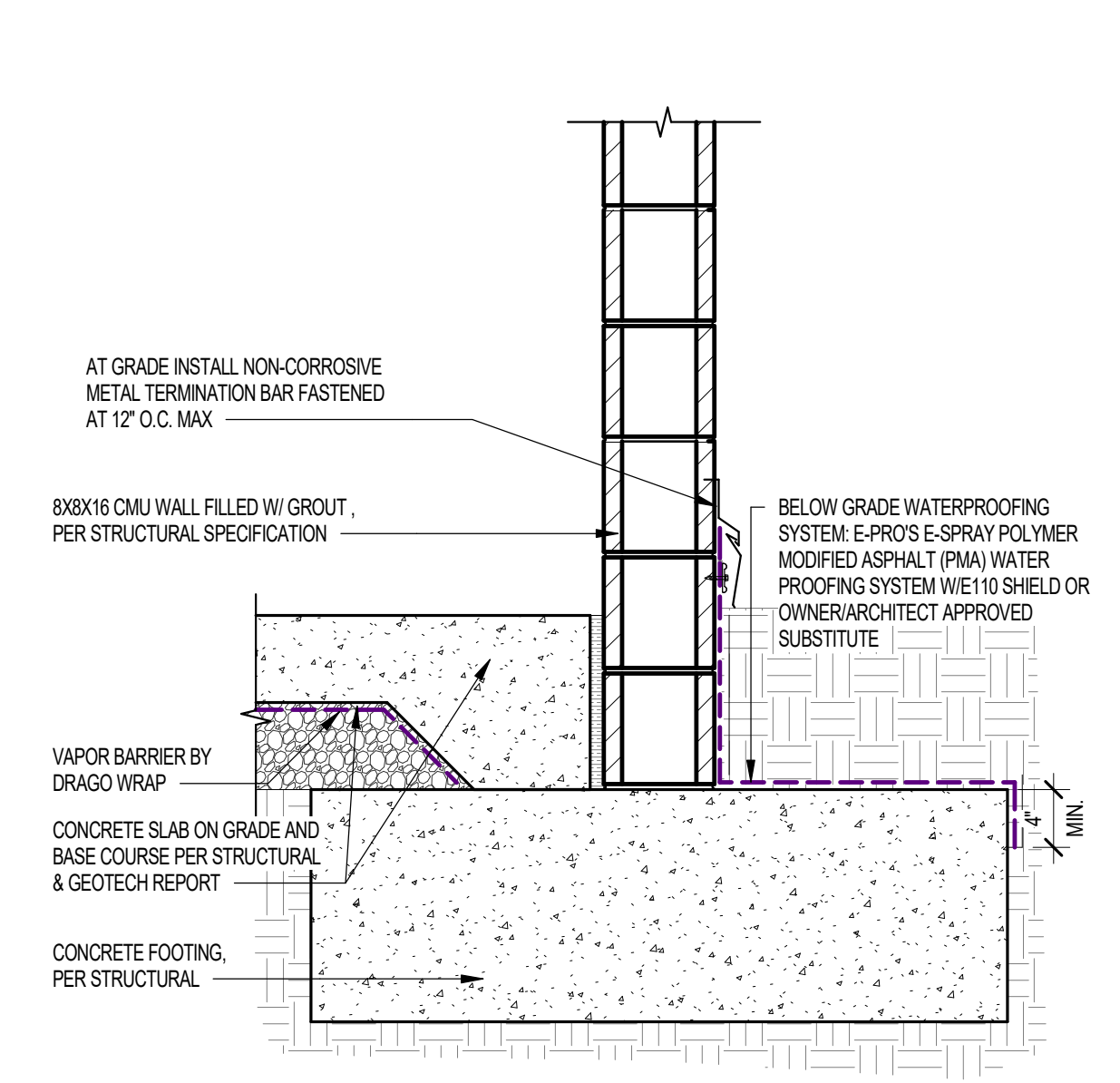
REVISIONS/SUBMITTALS

DATE	DESCRIPTION
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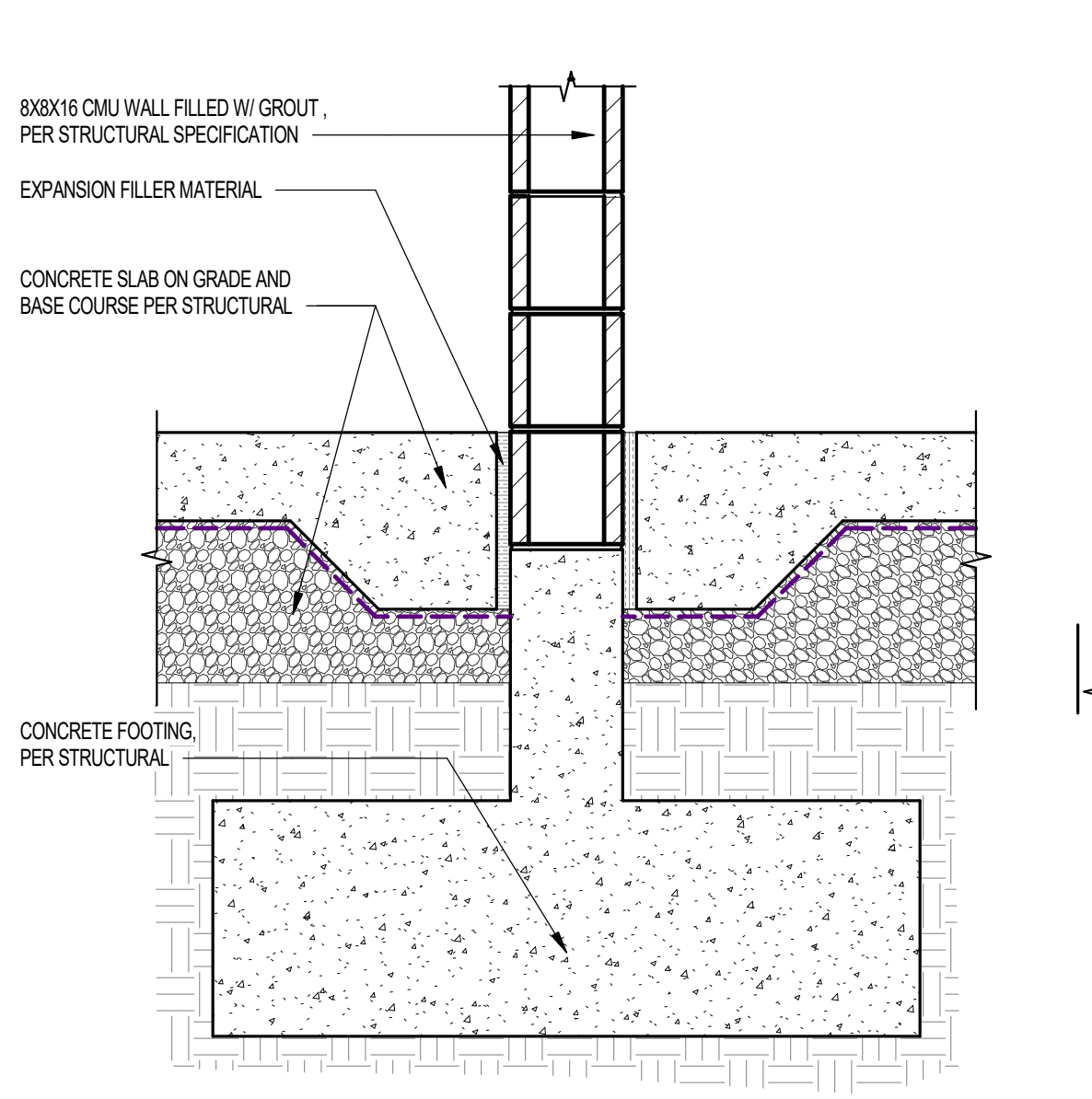
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.3.10

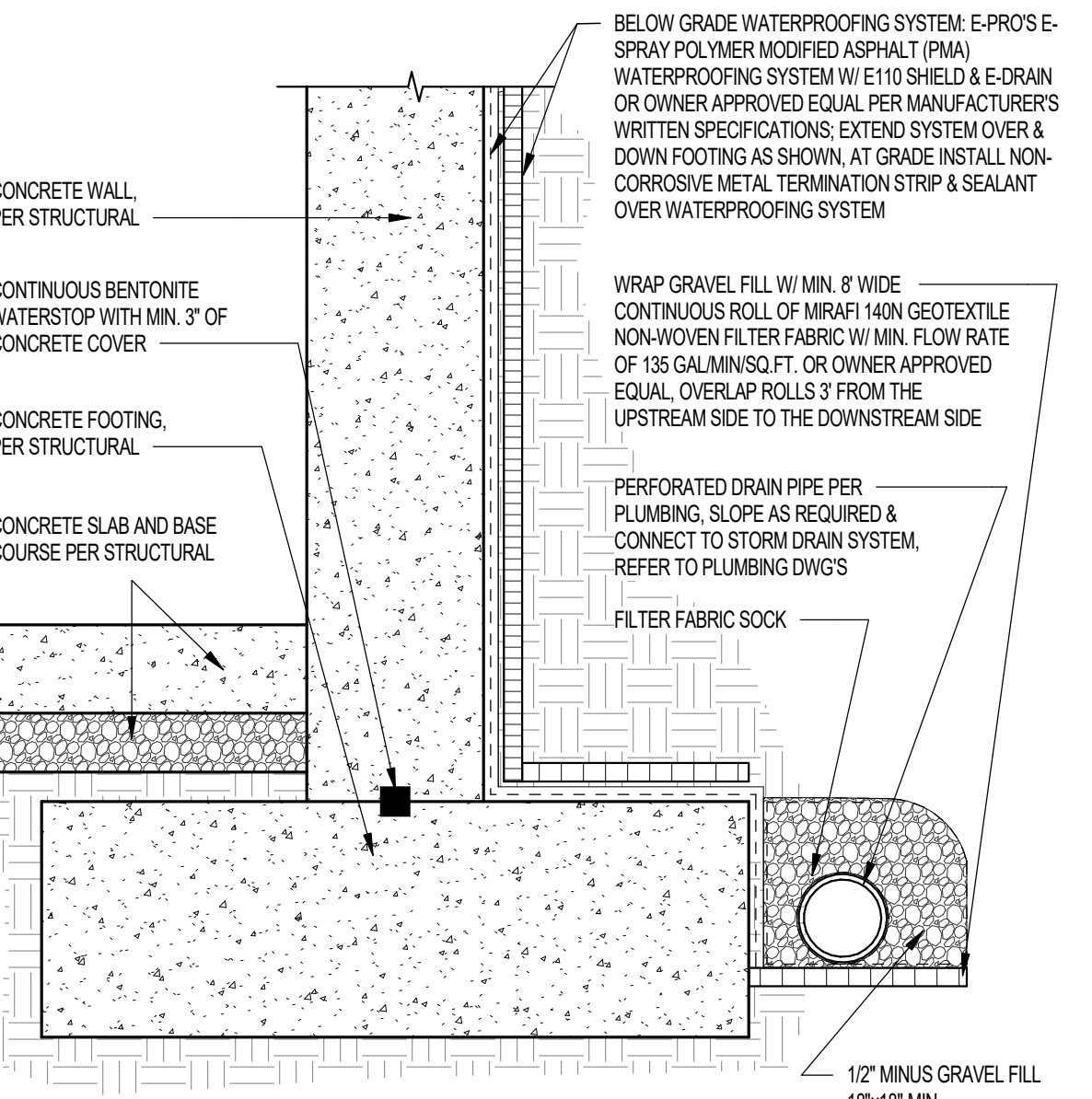
FOUNDATION DETAILS-WOOD FRAMED



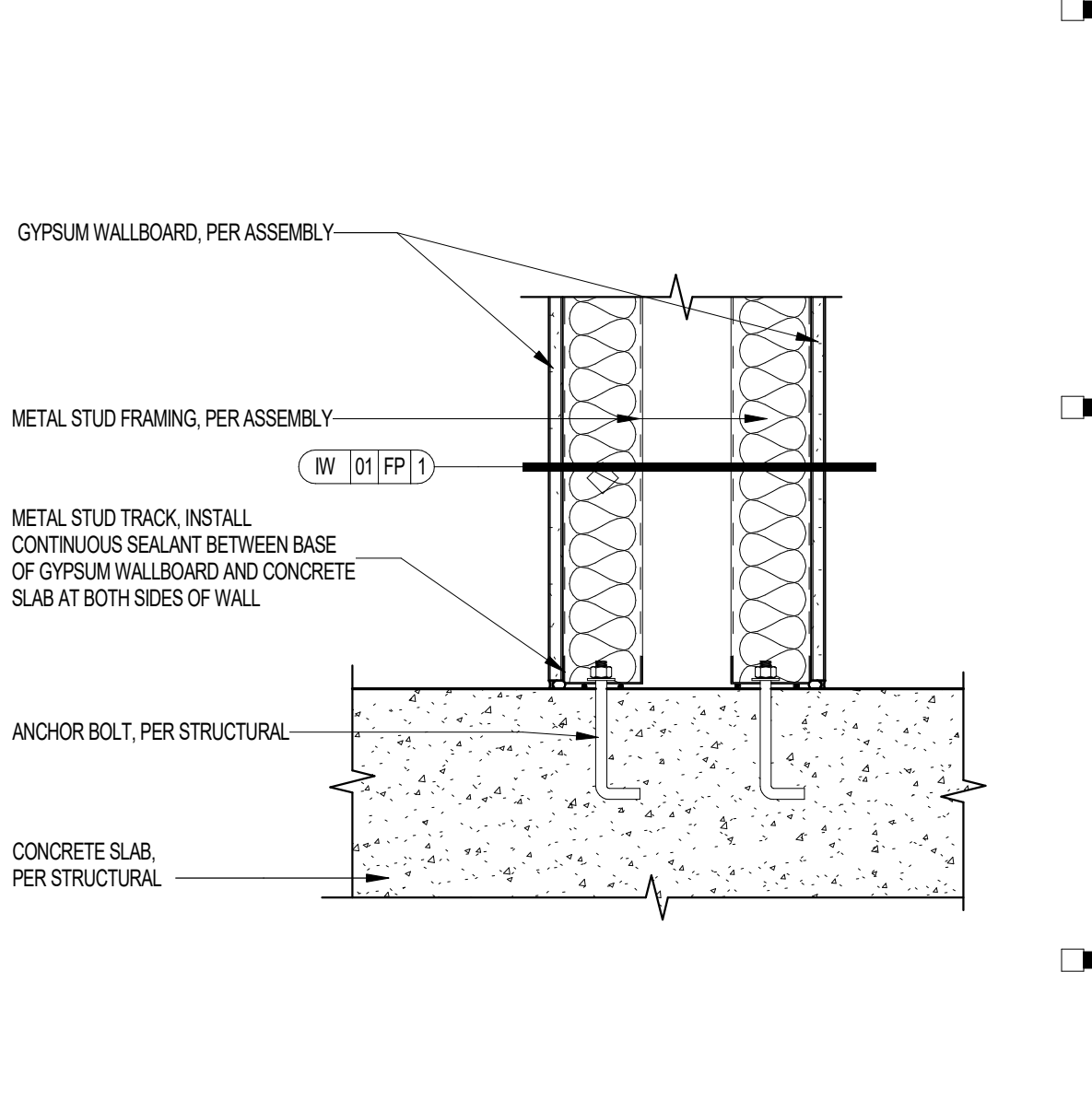
13 CMU WALL FOUNDATION SCALE: 1\"/>



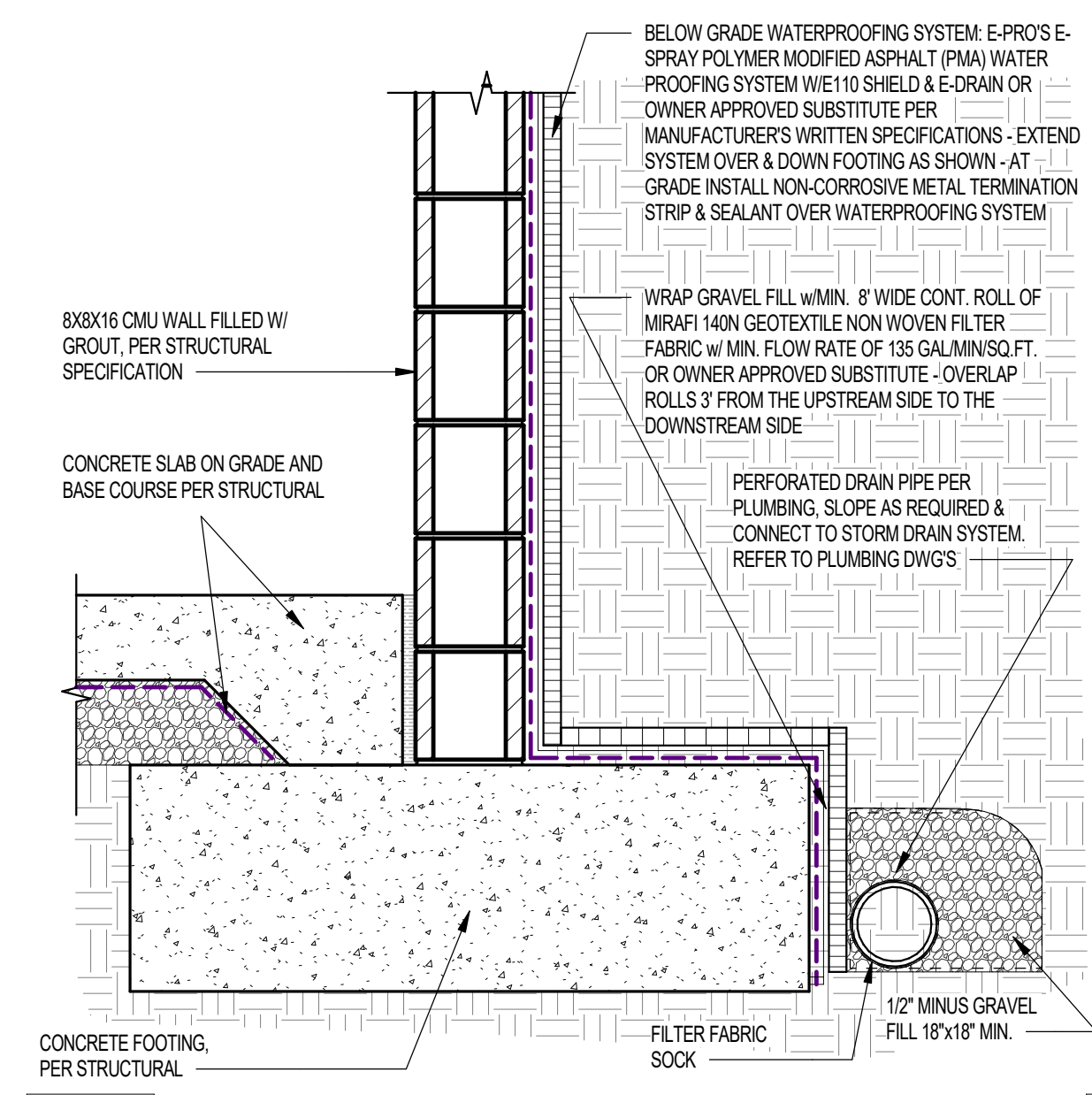
09 BELOW GRADE INTERIOR CMU FOUNDATION SCALE: 1\"/>



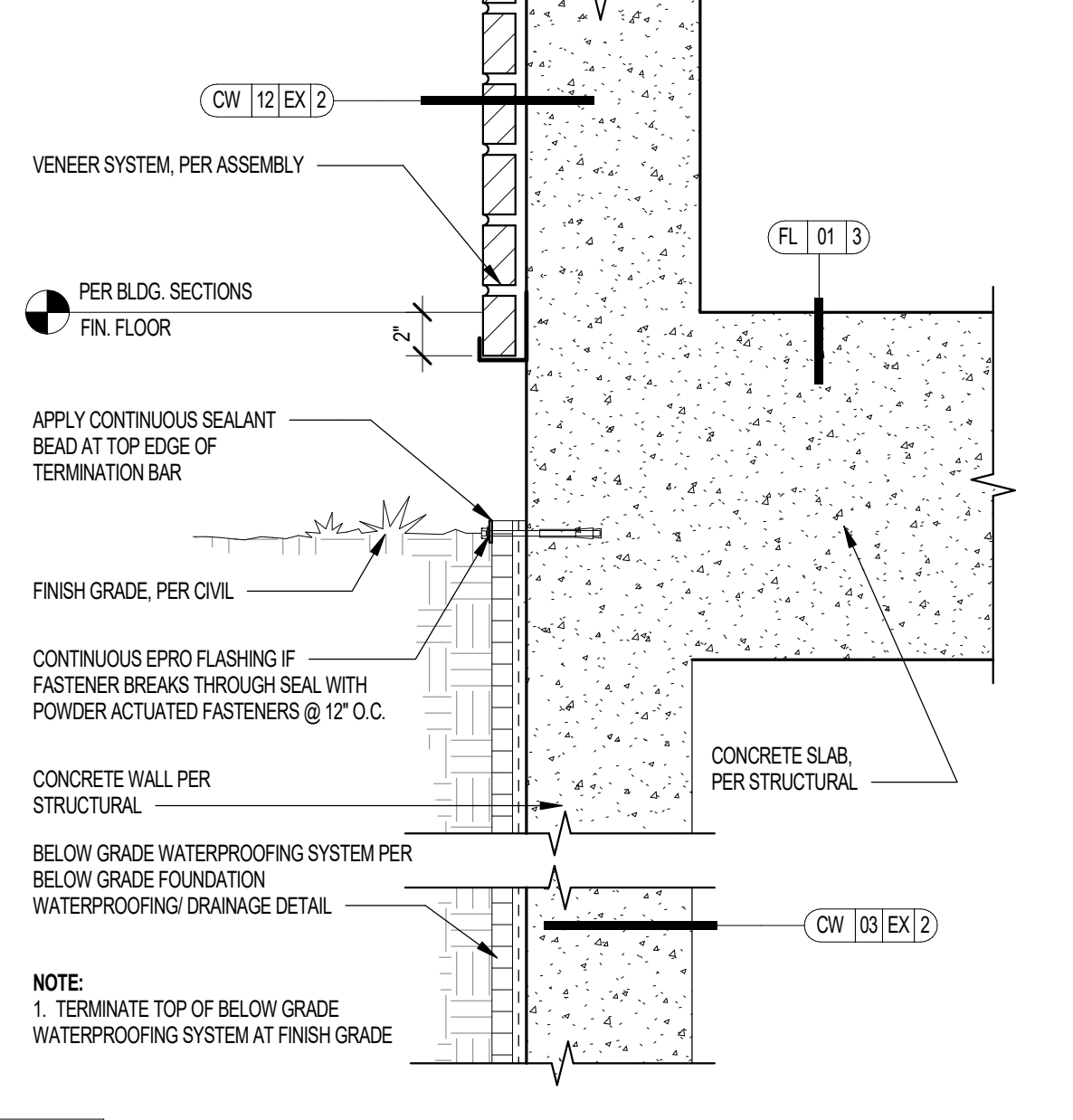
05 BELOW GRADE FOUNDATION WATERPROOFING/DRAINAGE SCALE: 1\"/>



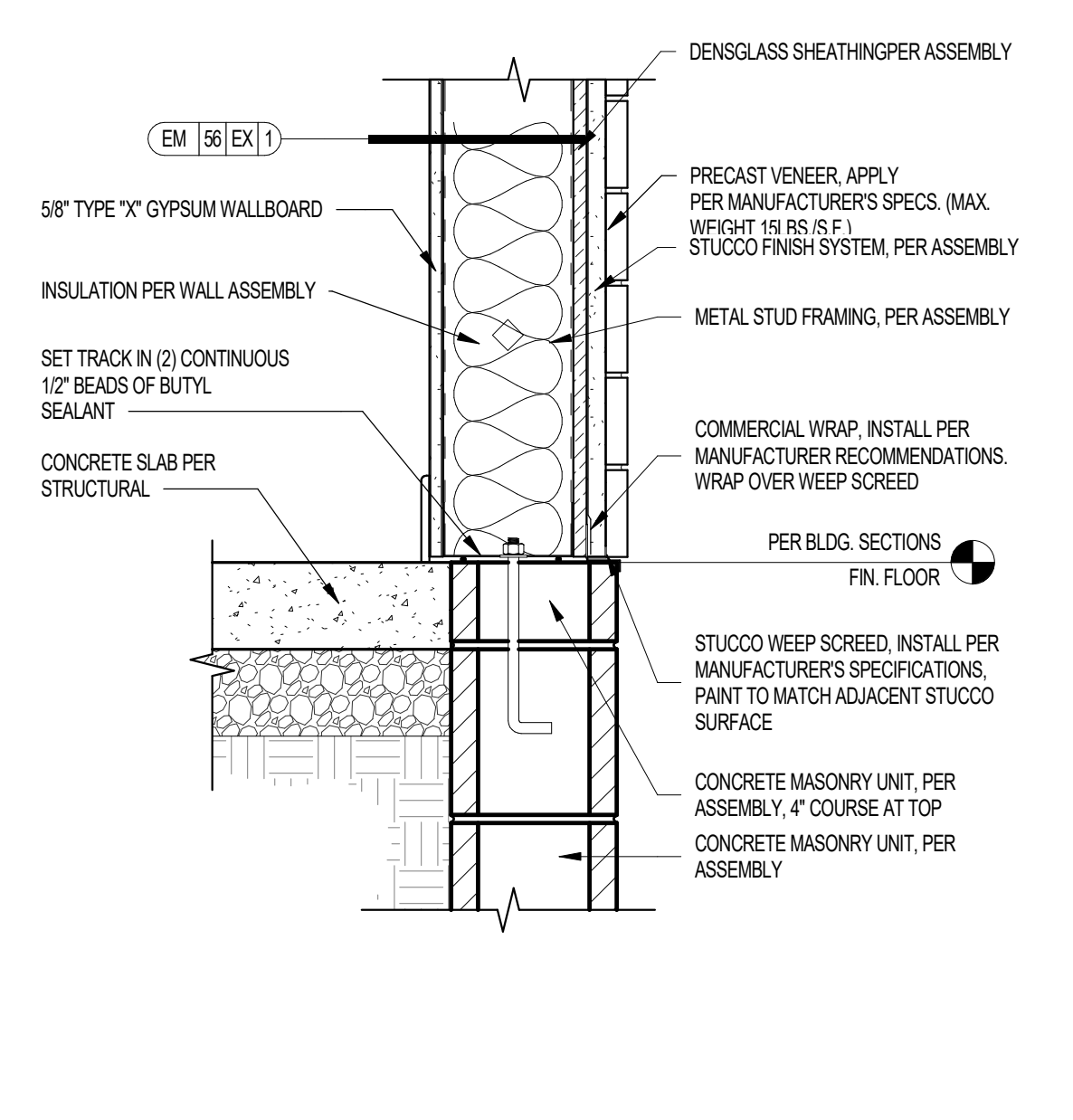
01 1-HR UNIT SEPARATION WALL AT SLAB - METAL FRAMING SCALE: 1 1/2\"/>



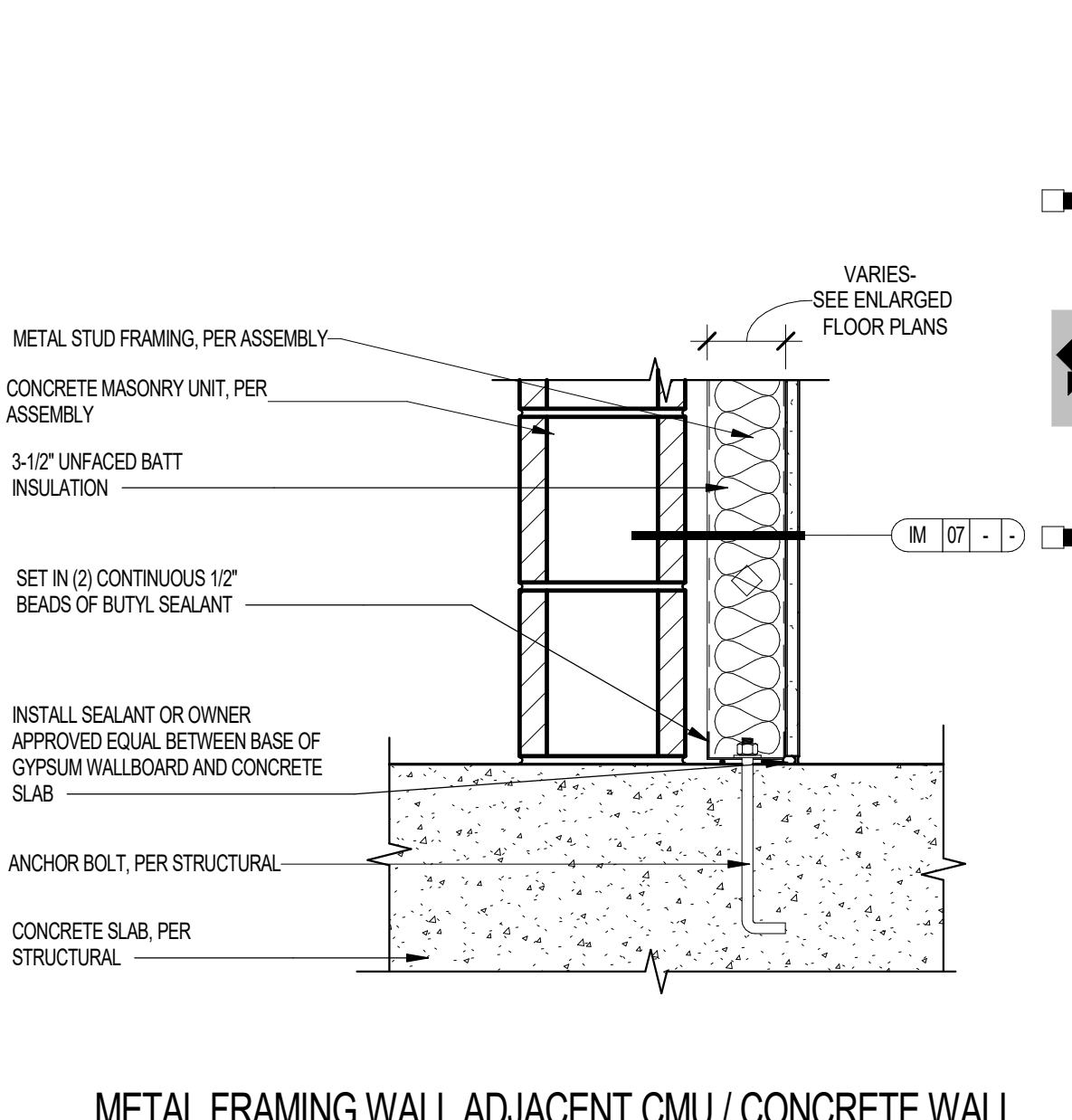
14 BELOW GRADE CMU FOUNDATION SCALE: 1\"/>



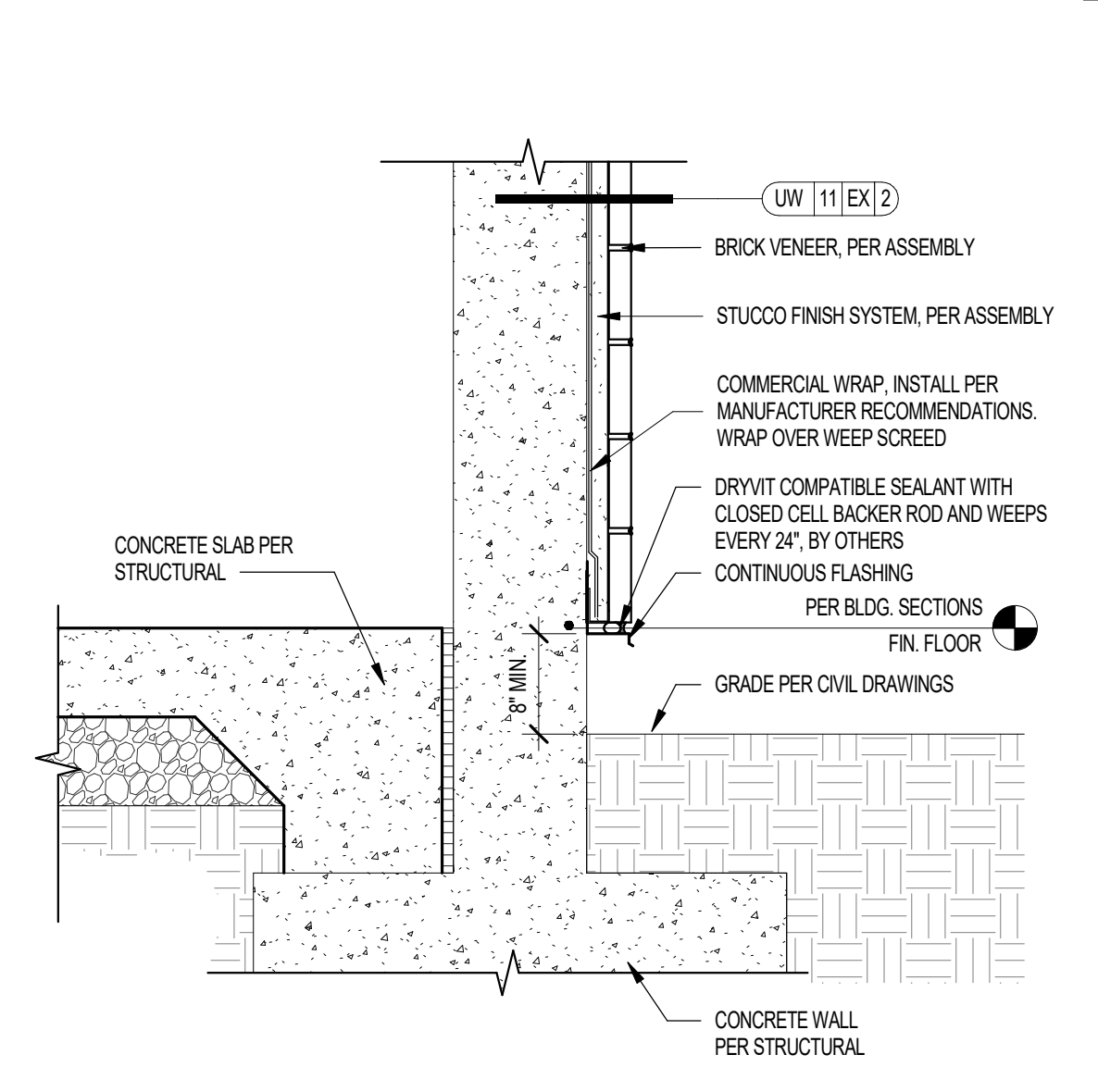
10 CONCRETE WALL WATERPROOFING AT PODIUM EDGE SCALE: 1 1/2\"/>



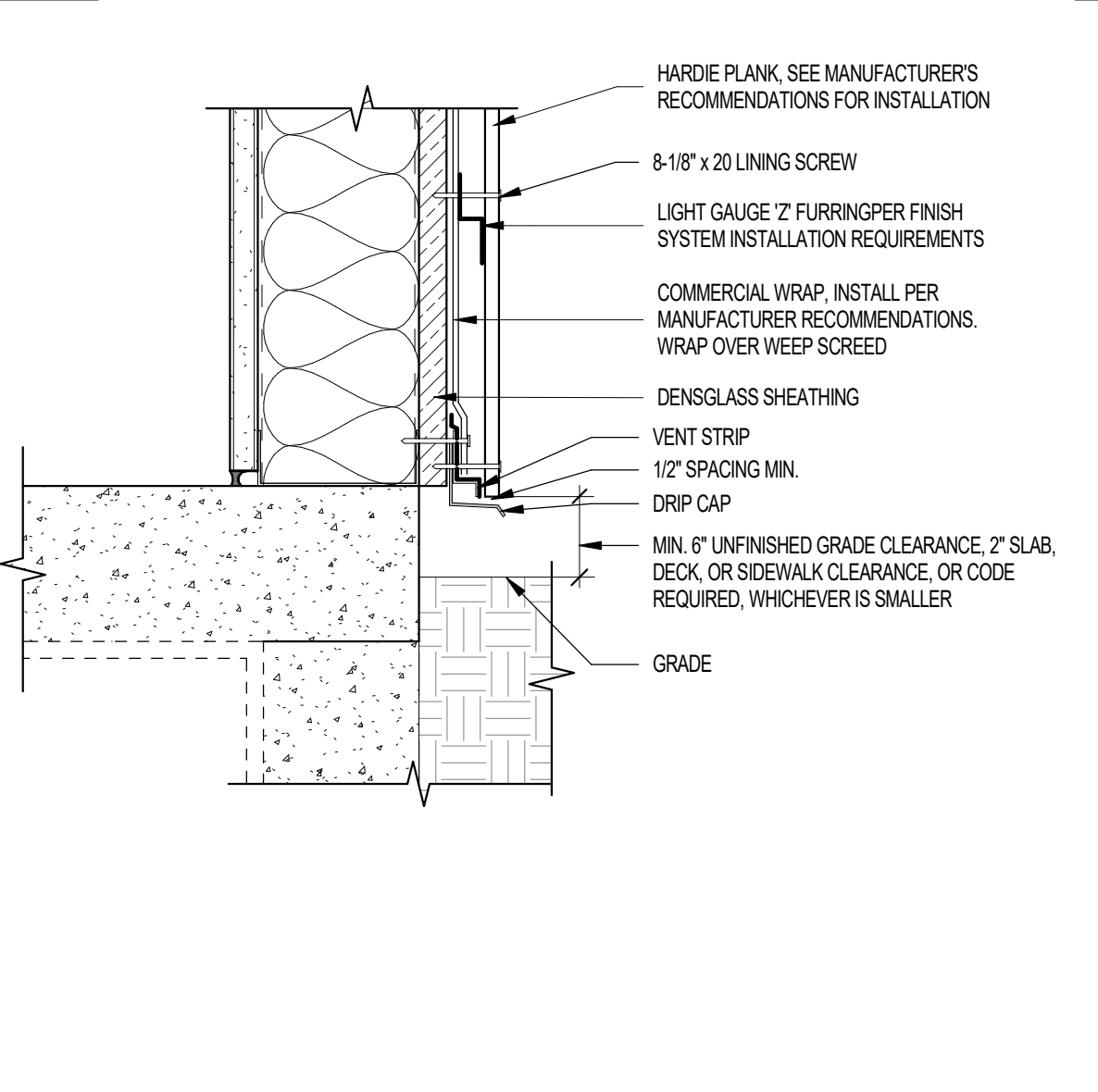
06 EXTERIOR METAL STUD & CMU WALL @ PATIO SLAB SCALE: 1 1/2\"/>



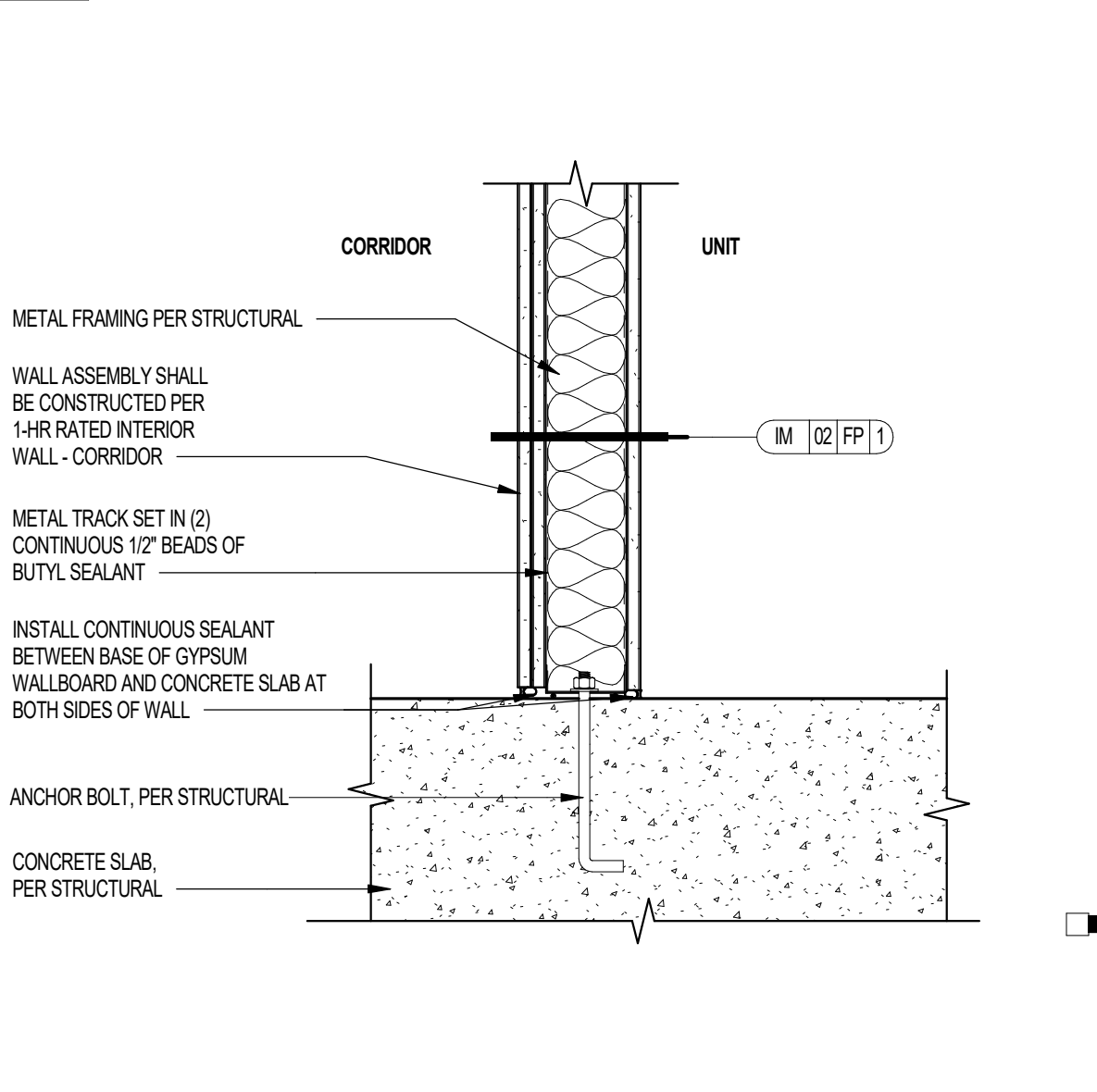
02 METAL FRAMING WALL ADJACENT CMU / CONCRETE WALL AT SLAB SCALE: 1 1/2\"/>



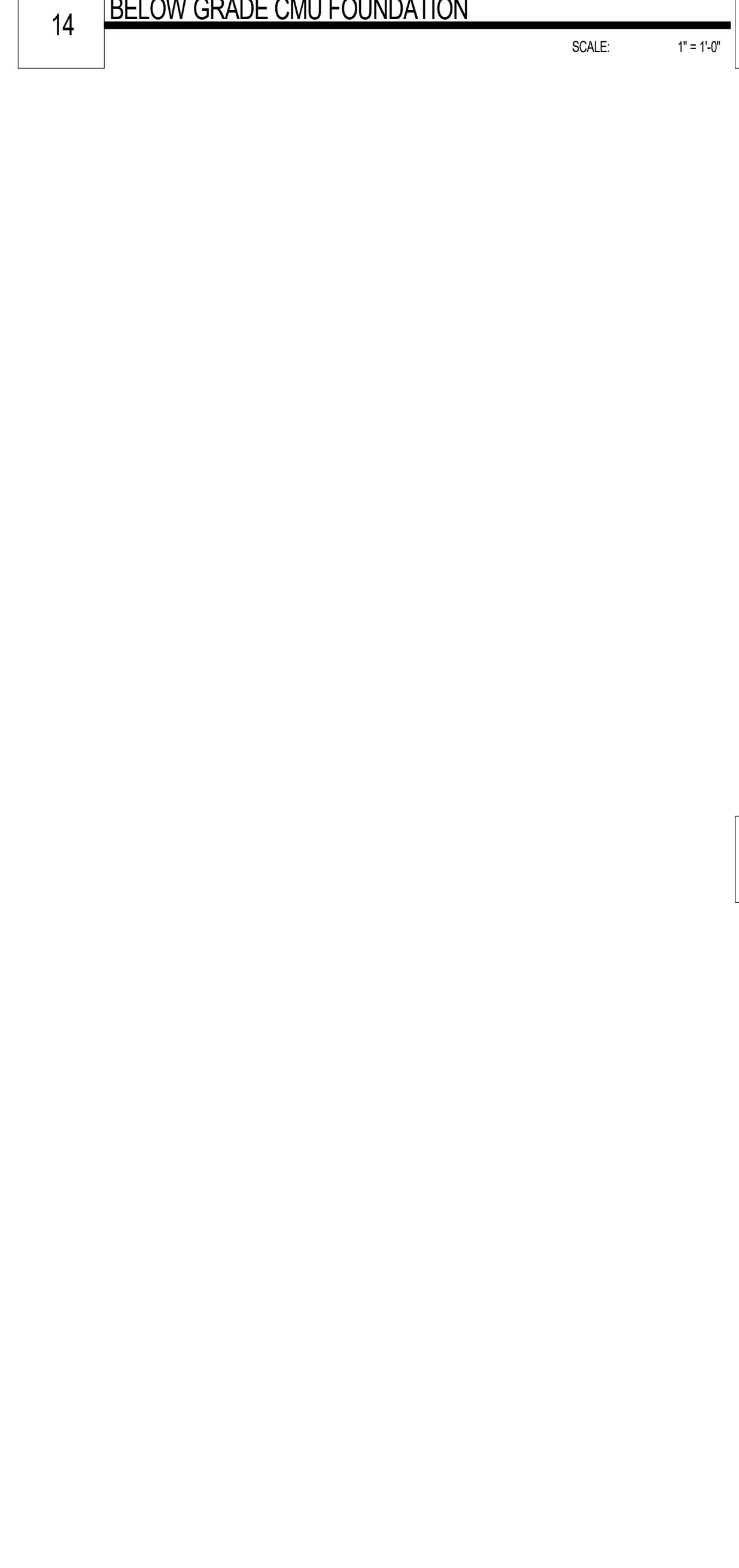
11 BRICK VENEER OVER CONCRETE WALL AT CONCRETE SLAB SCALE: 1 1/2\"/>



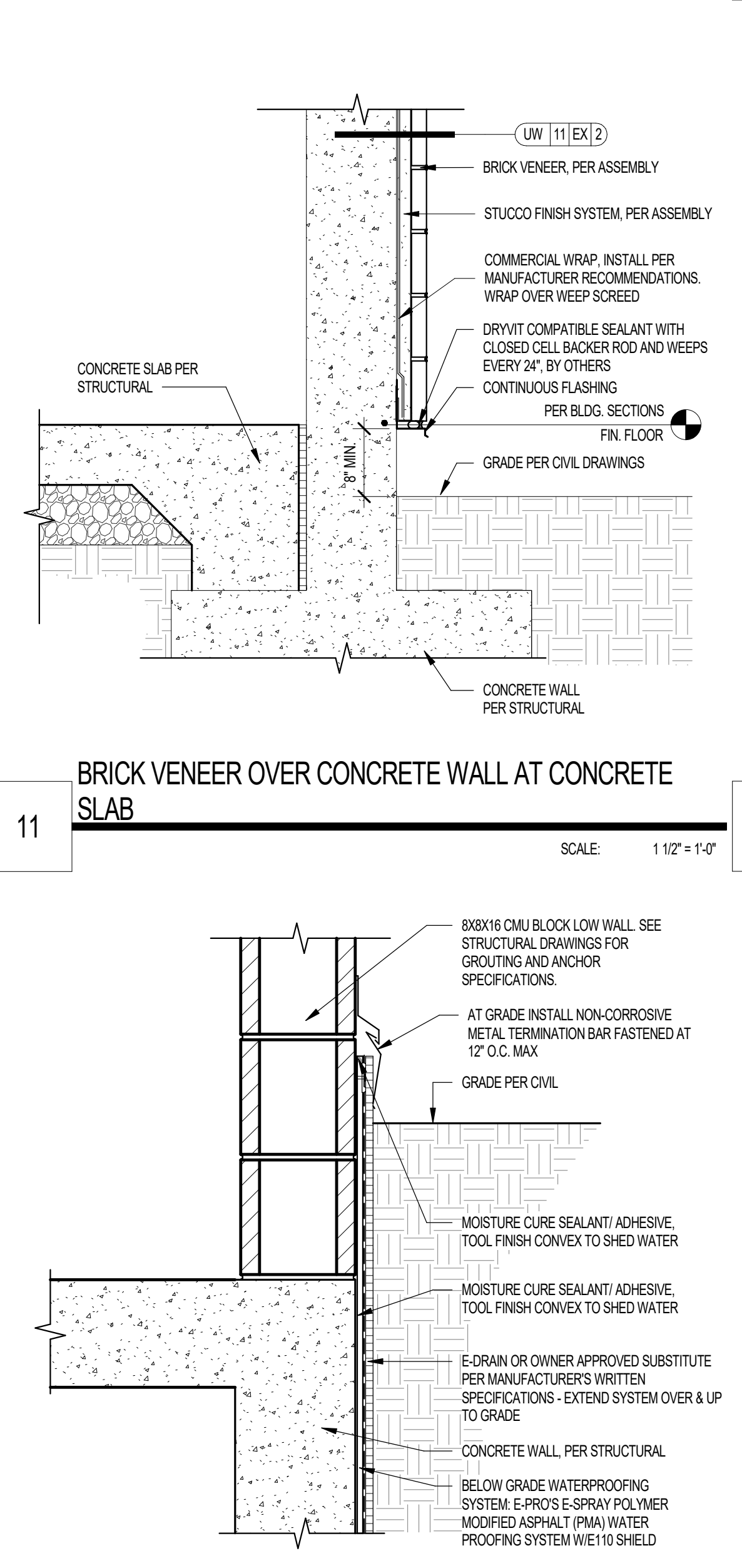
07 SECTION DETAIL - FOUNDATION @ GRADE METAL FRAME SCALE: 3\"/>



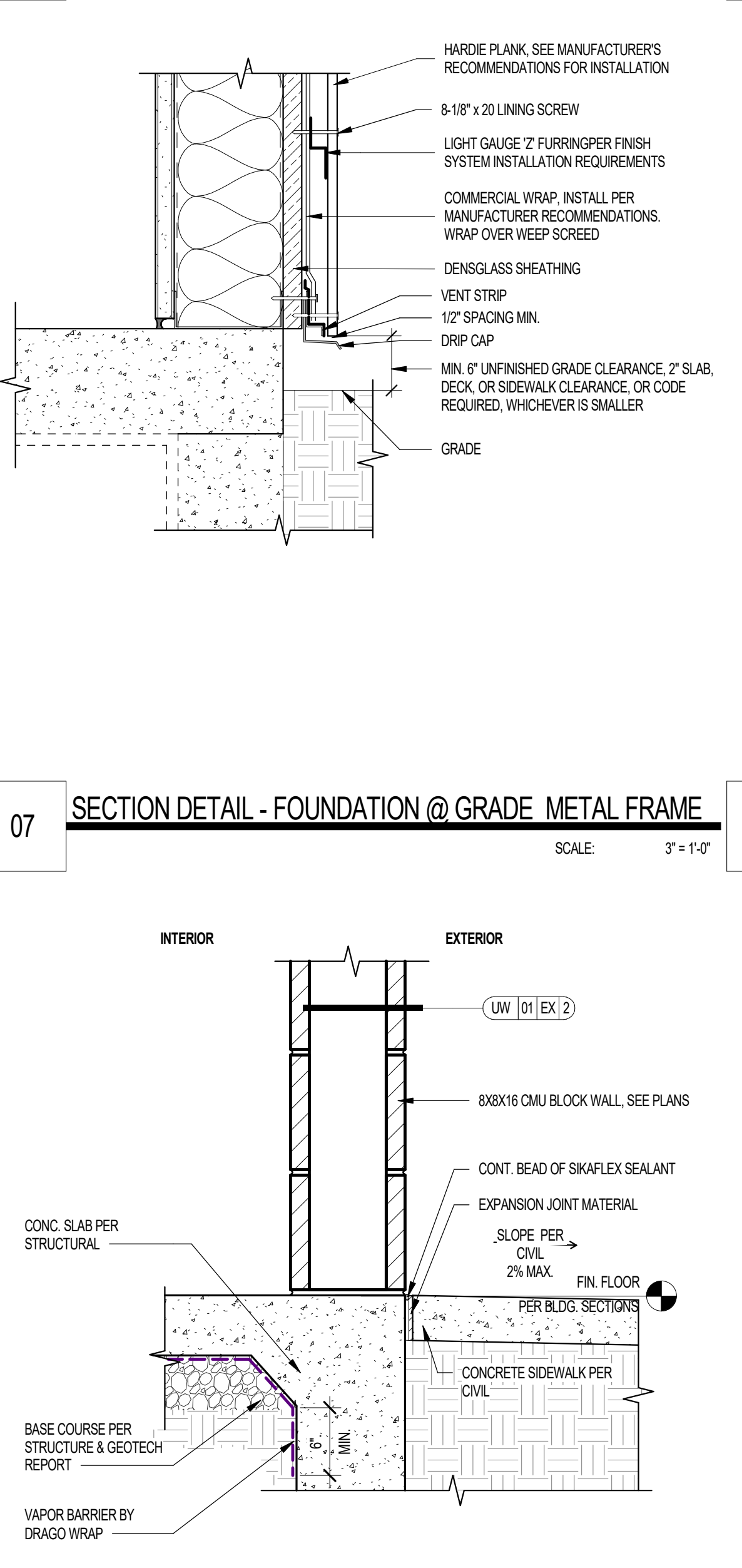
03 1-HR CORRIDOR WALL AT SLAB - METAL FRAMING SCALE: 1 1/2\"/>



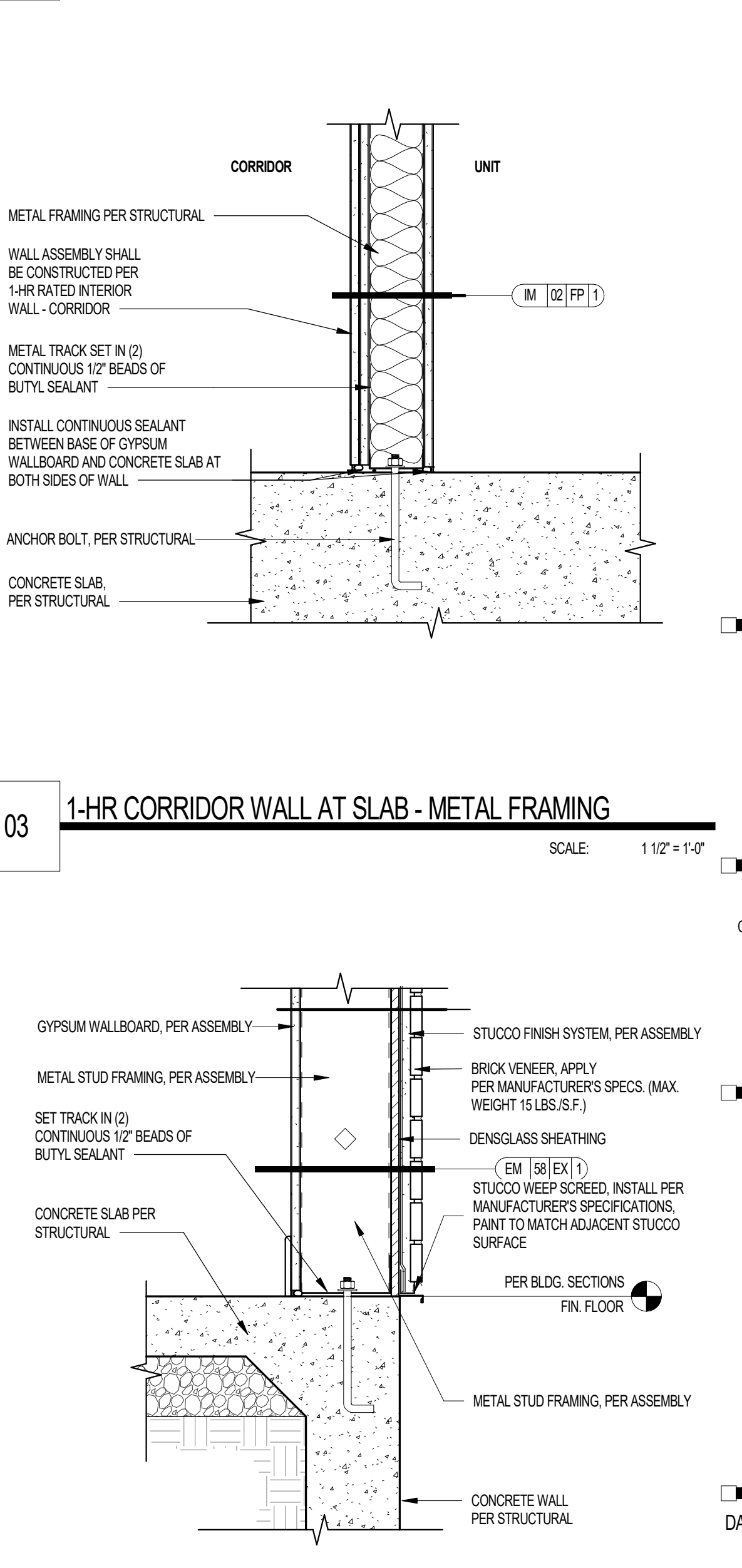
12 BELOW GRADE FOUNDATION WATERPROOFING TERMINATION AT GRADE SCALE: 1 1/2\"/>



08 EXTERIOR CMU WALL @ CONCRETE SLAB & SIDEWALK SCALE: 1 1/2\"/>



04 EXTERIOR BRICK VENEER OVER METAL STUD WALL @ PATIO SLAB SCALE: 1 1/2\"/>



04 EXTERIOR BRICK VENEER OVER METAL STUD WALL @ PATIO SLAB SCALE: 1 1/2\"/>

Notice of alternate billing (or payment) cycle
This contract allows (they allow) the owner to request the admission of billing or advance in billing cycle after the first date. This contract shall also allow the owner to request an alternate billing schedule after certification and approval of billing and estimates. A written decision of whether the billing cycle applies to the project is available from the owner or the owner's design agent at

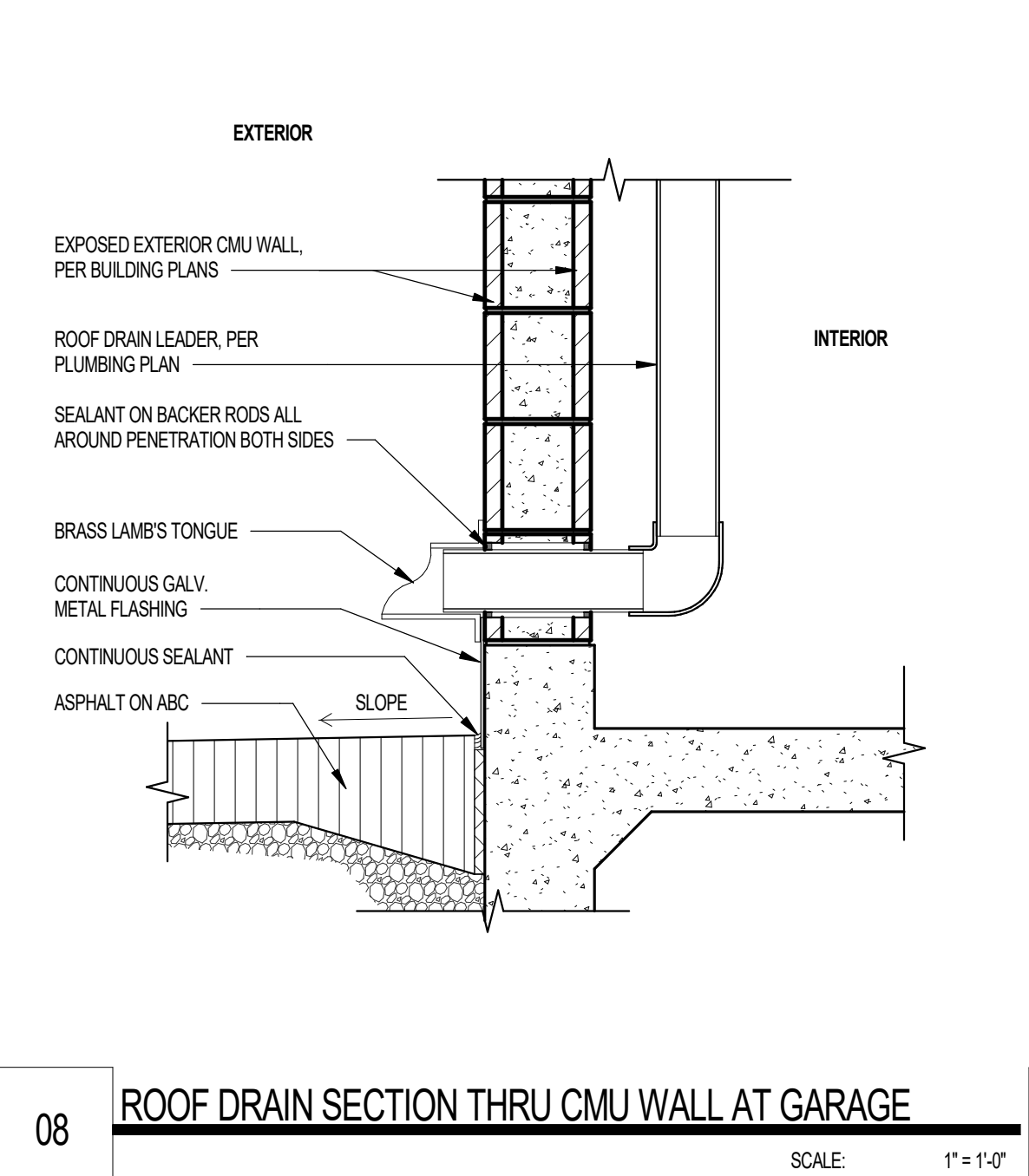
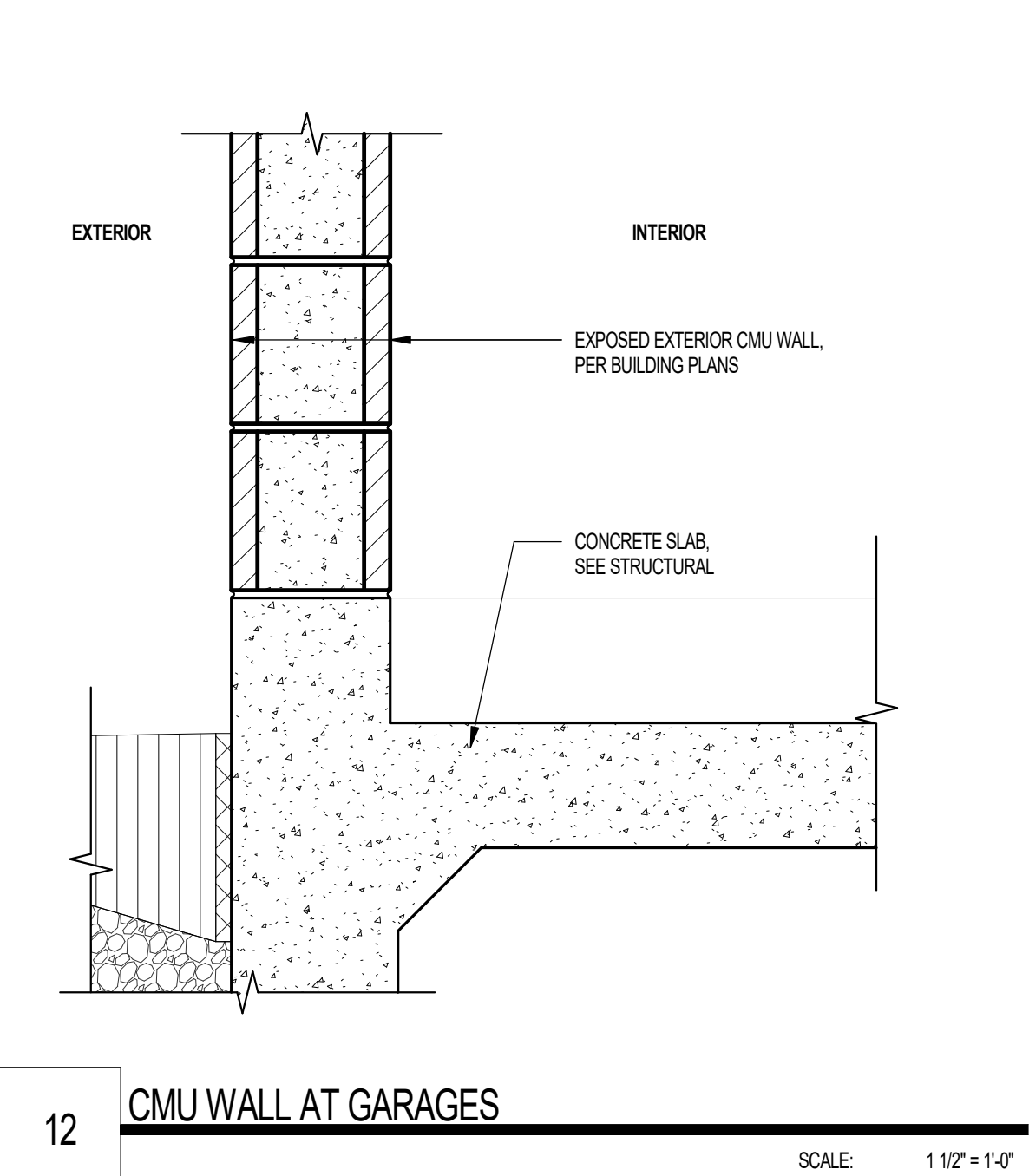
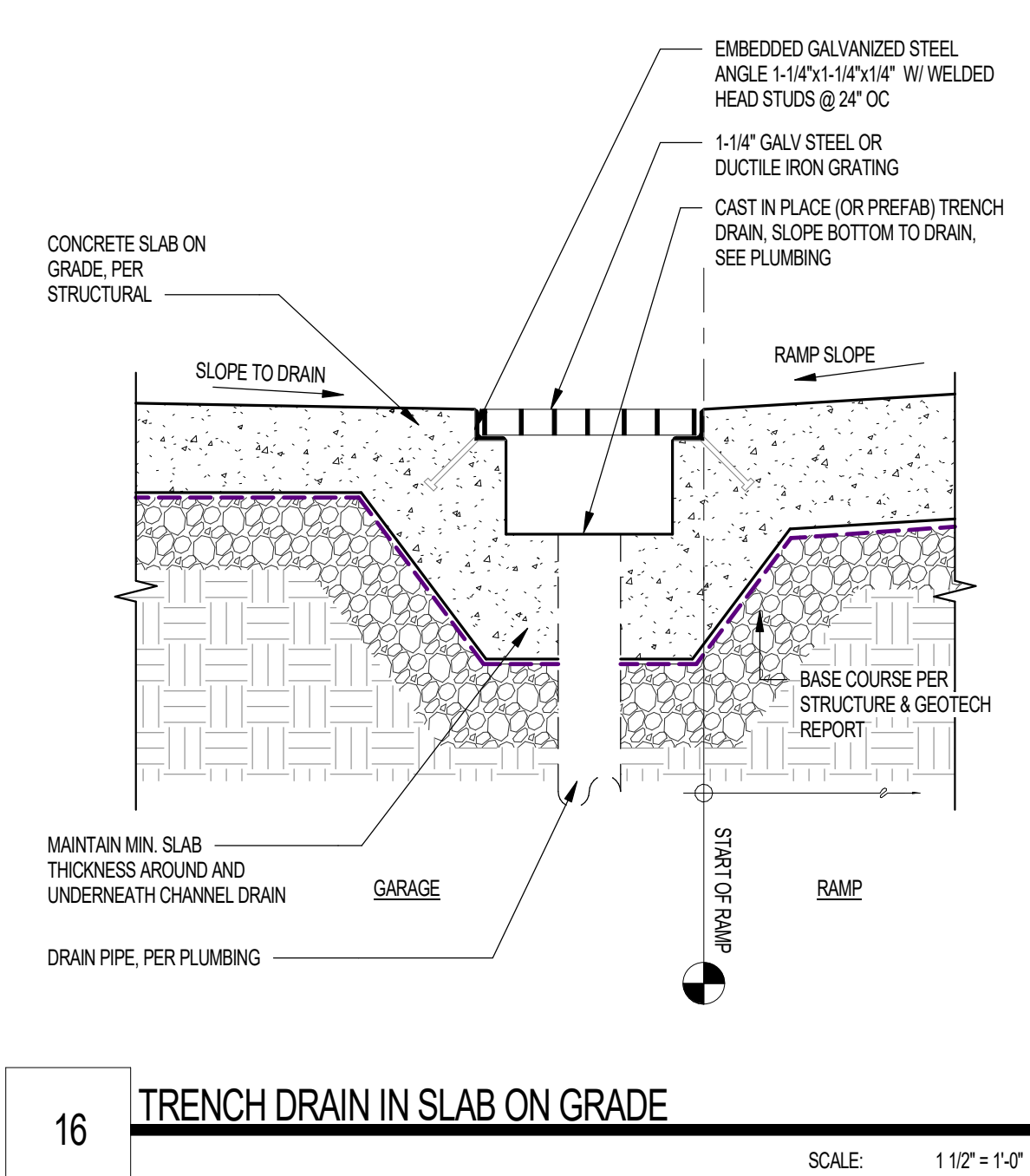
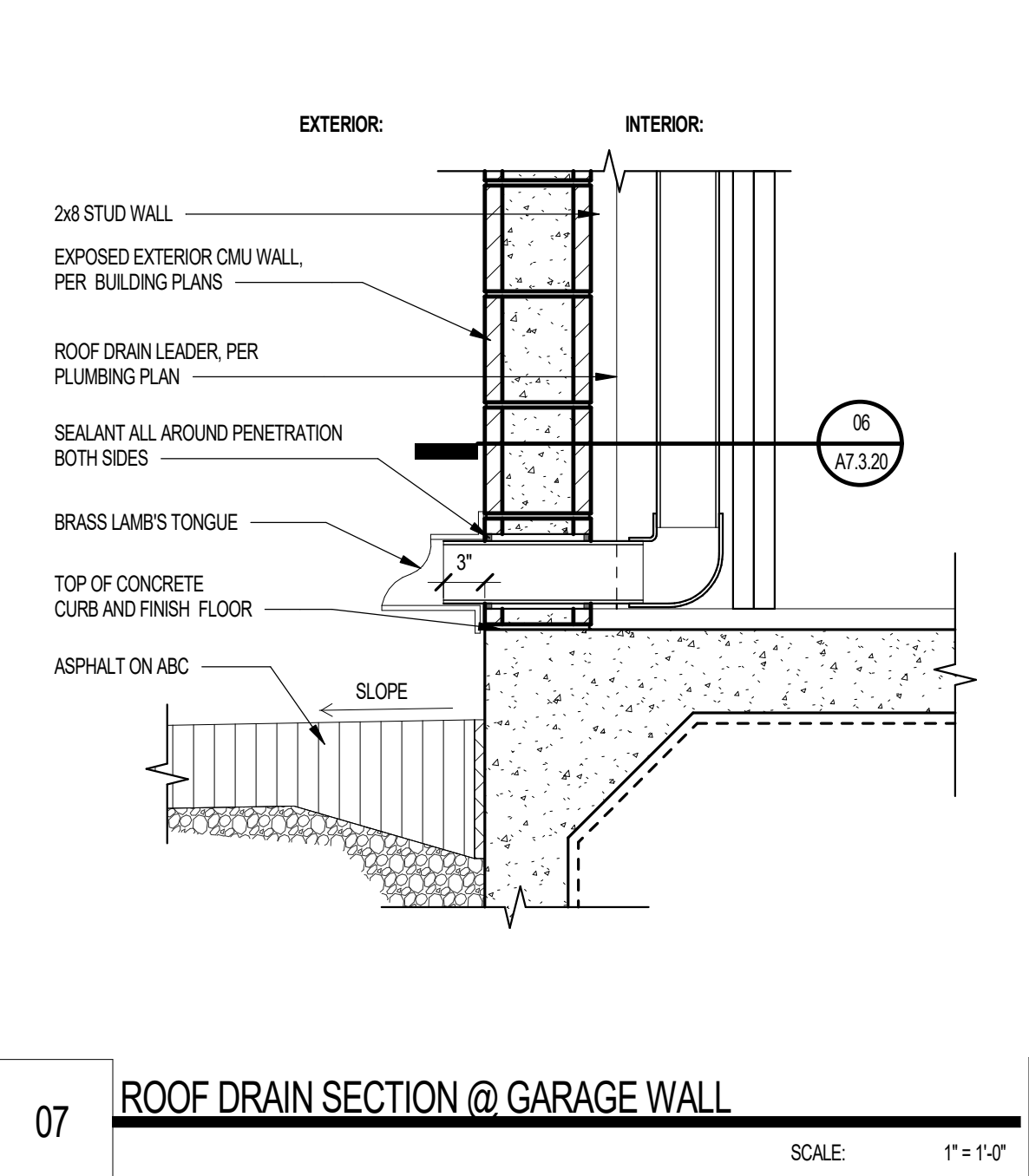
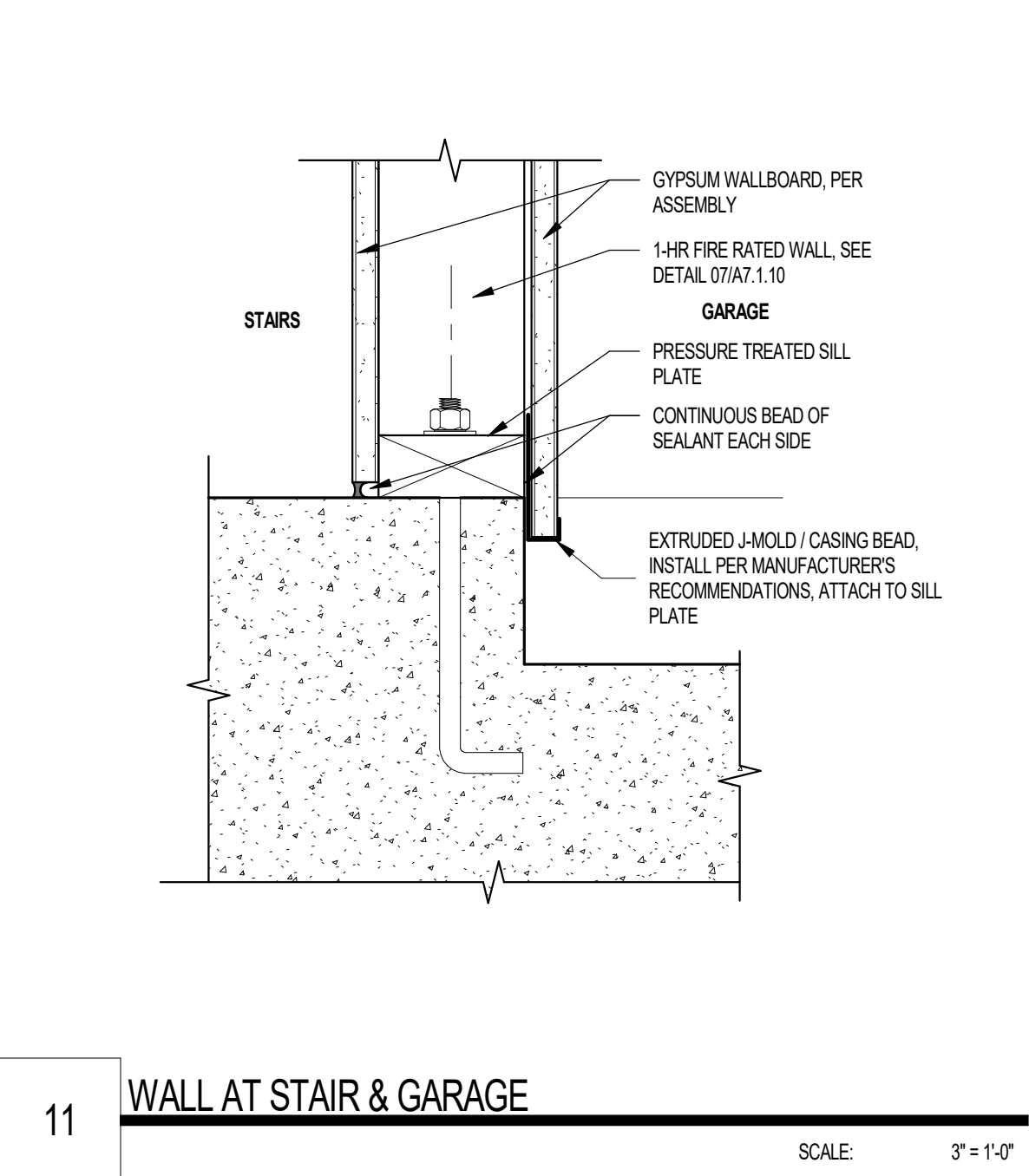
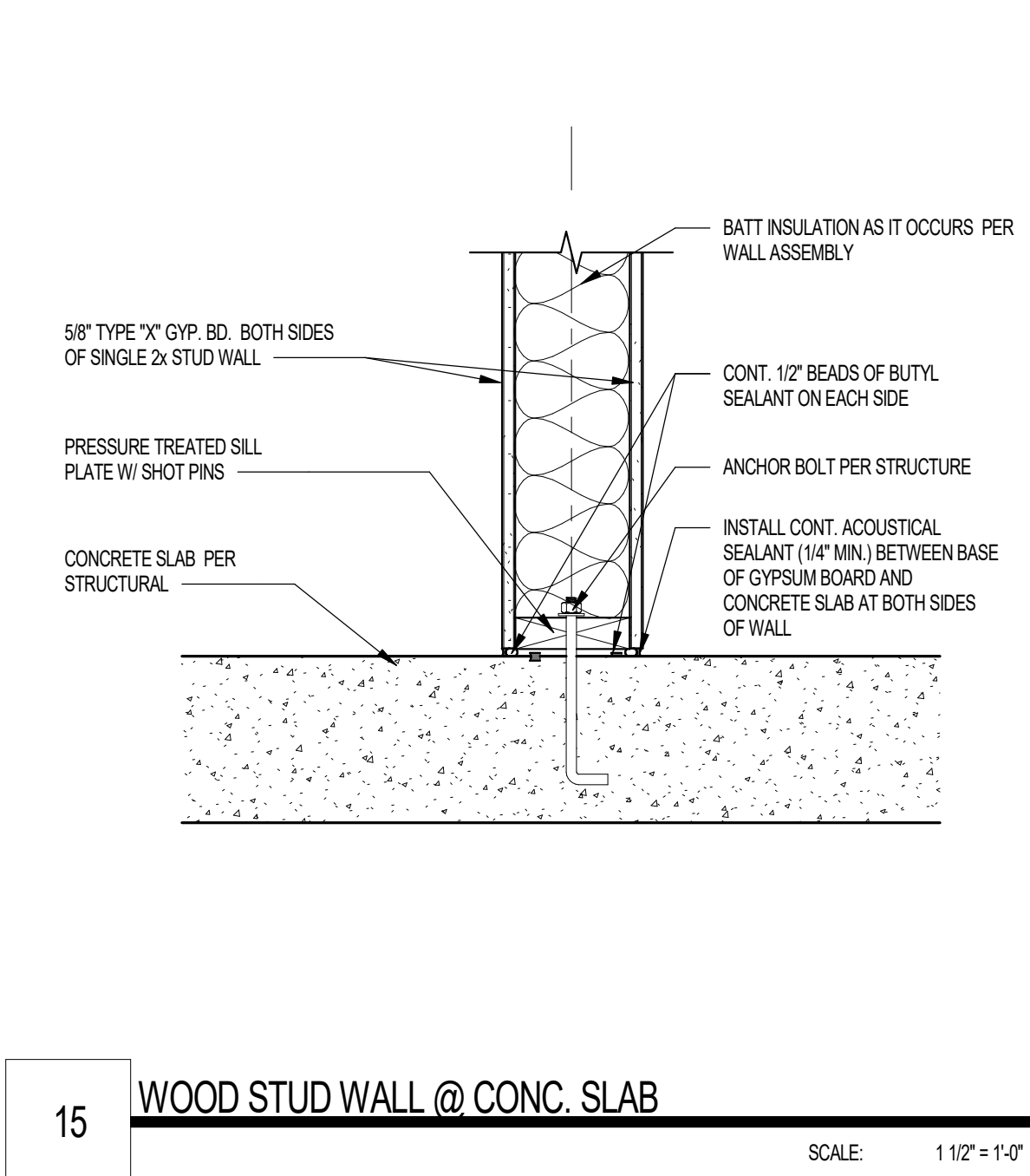
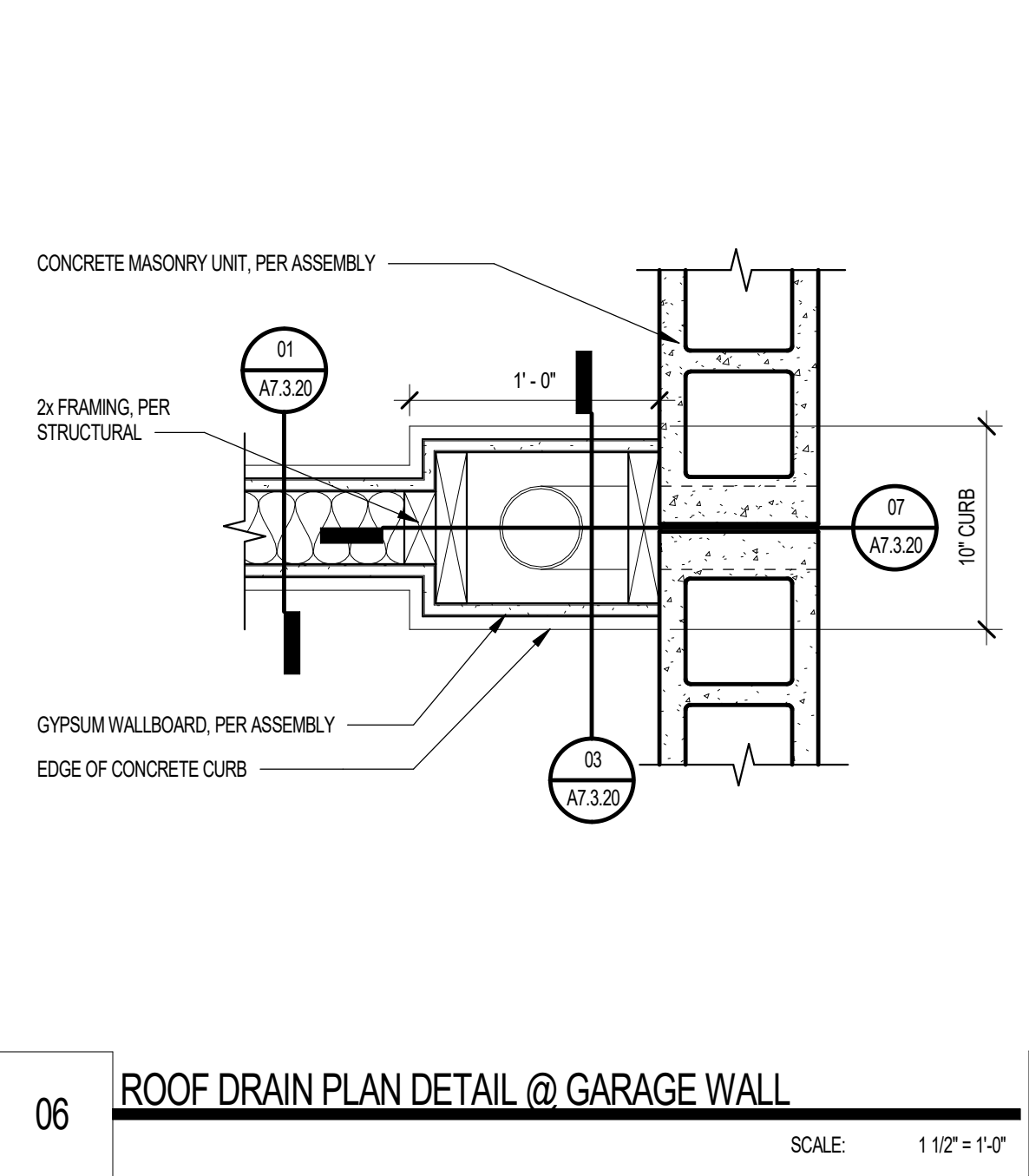
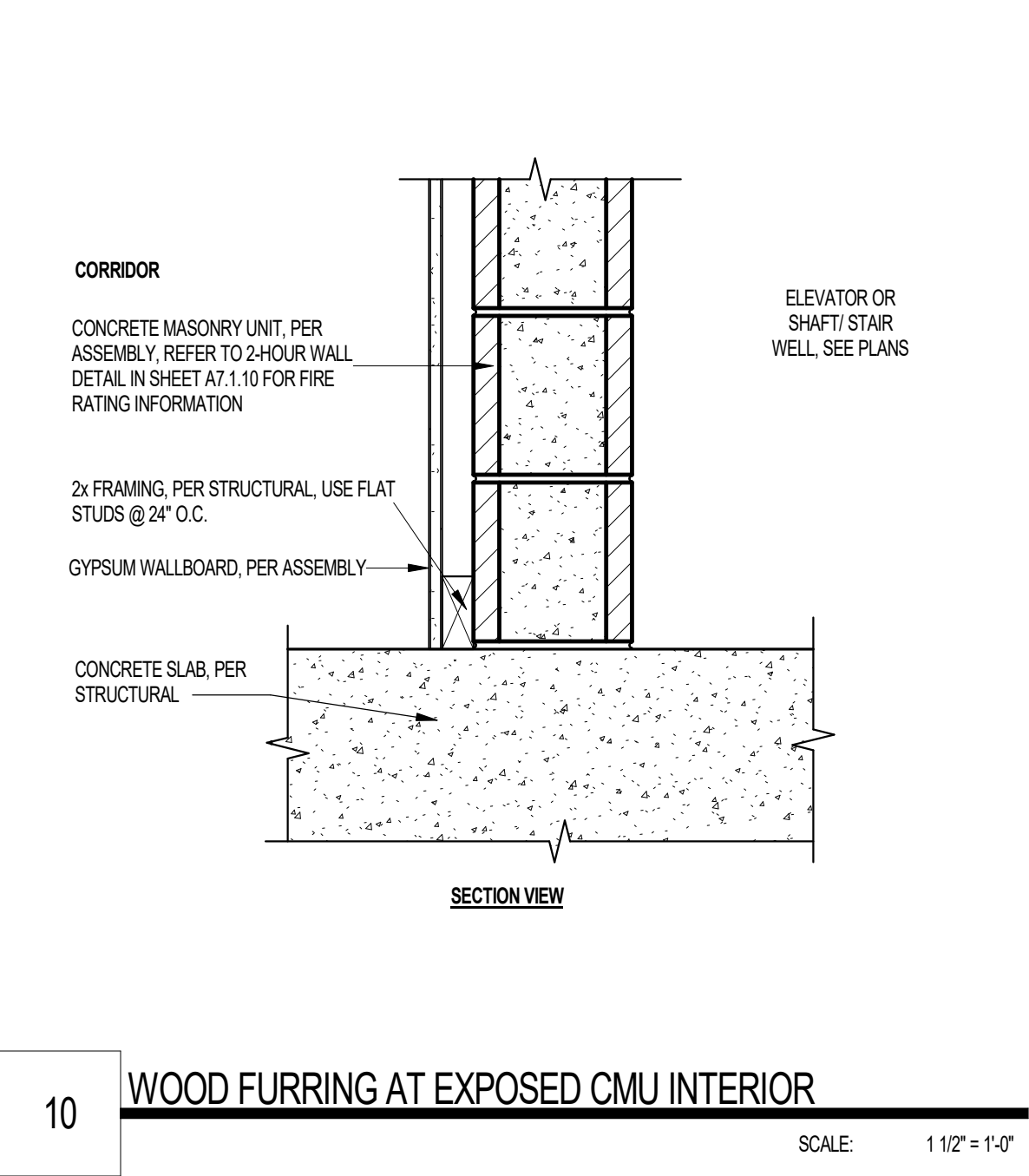
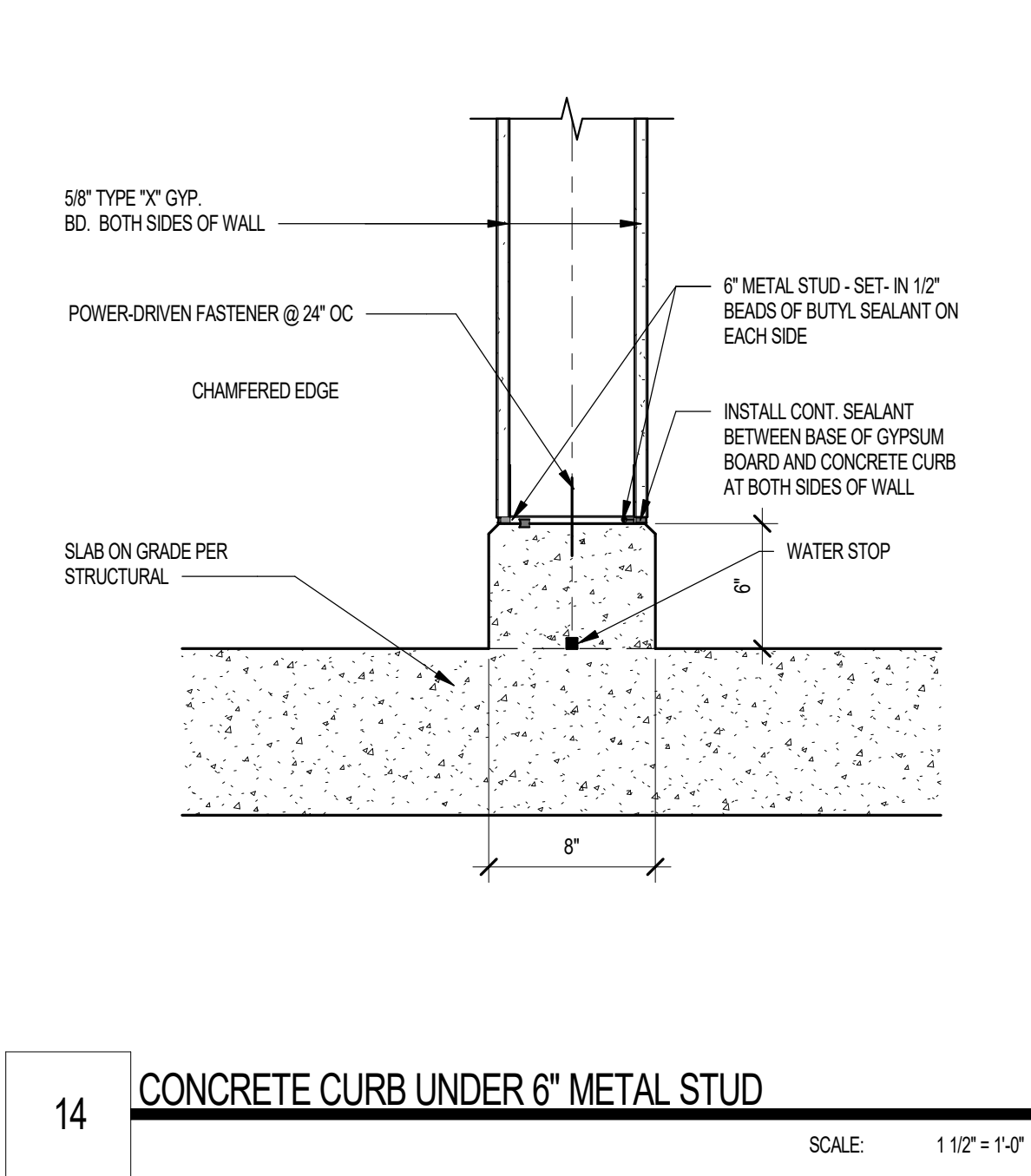
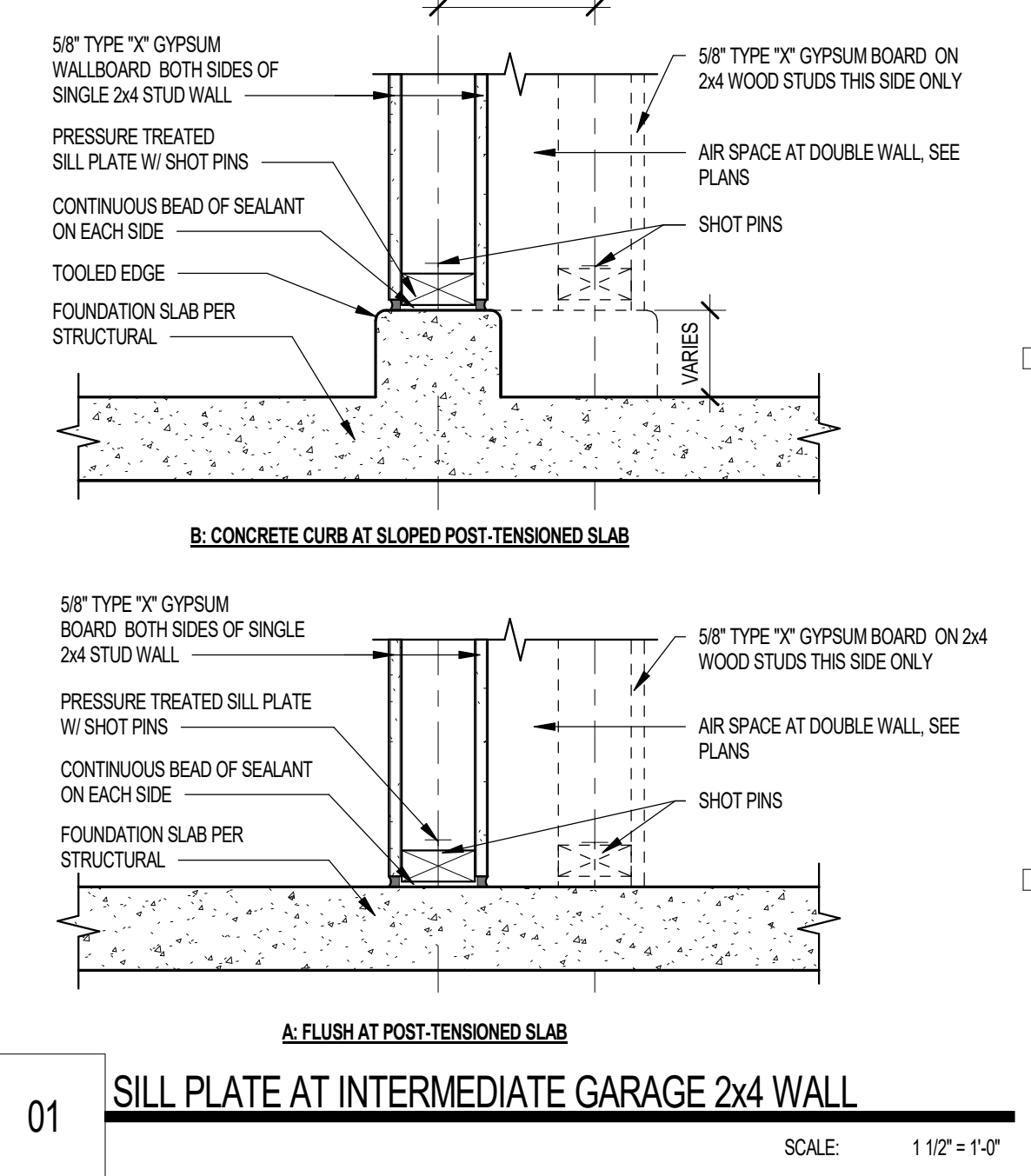
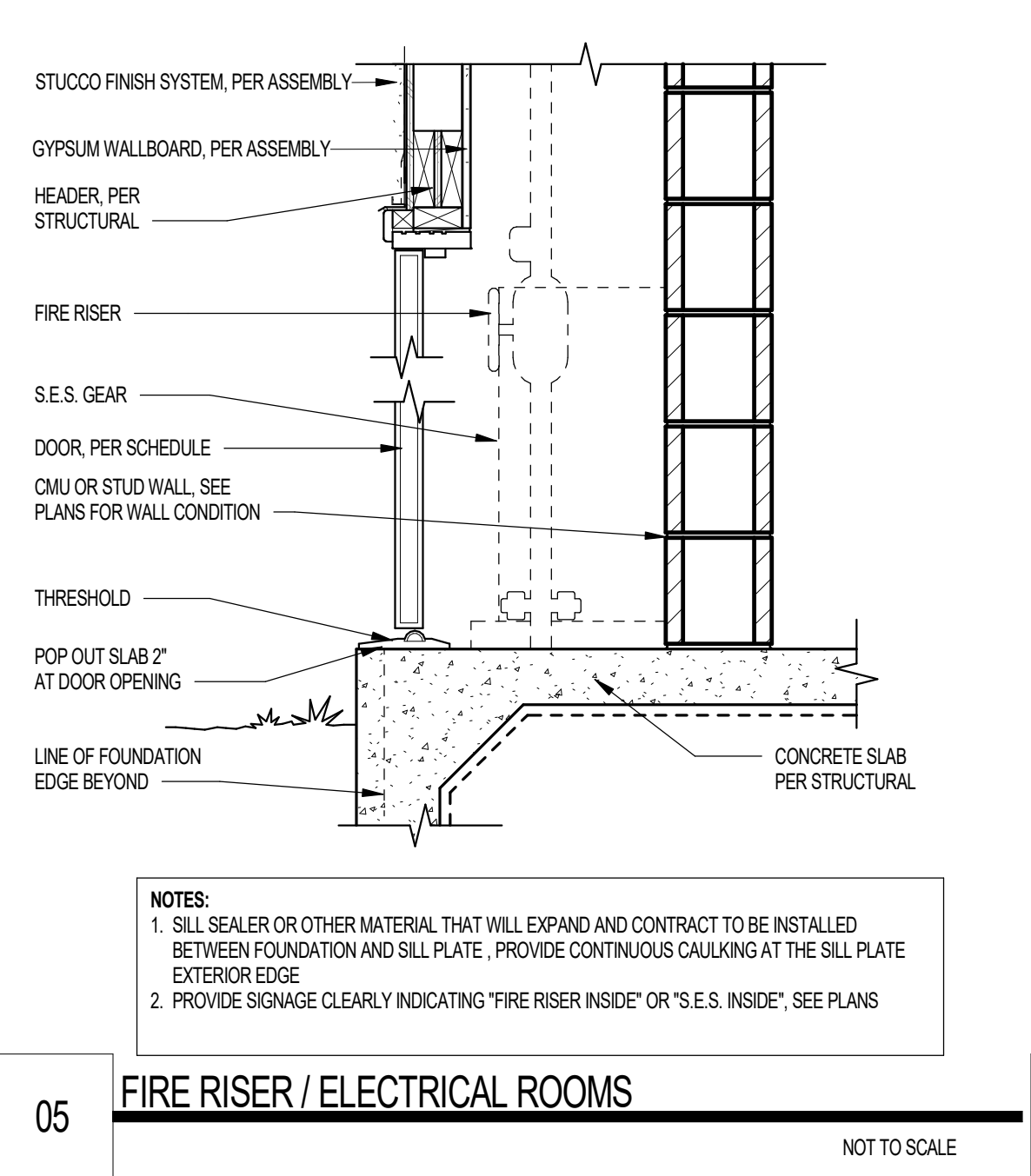
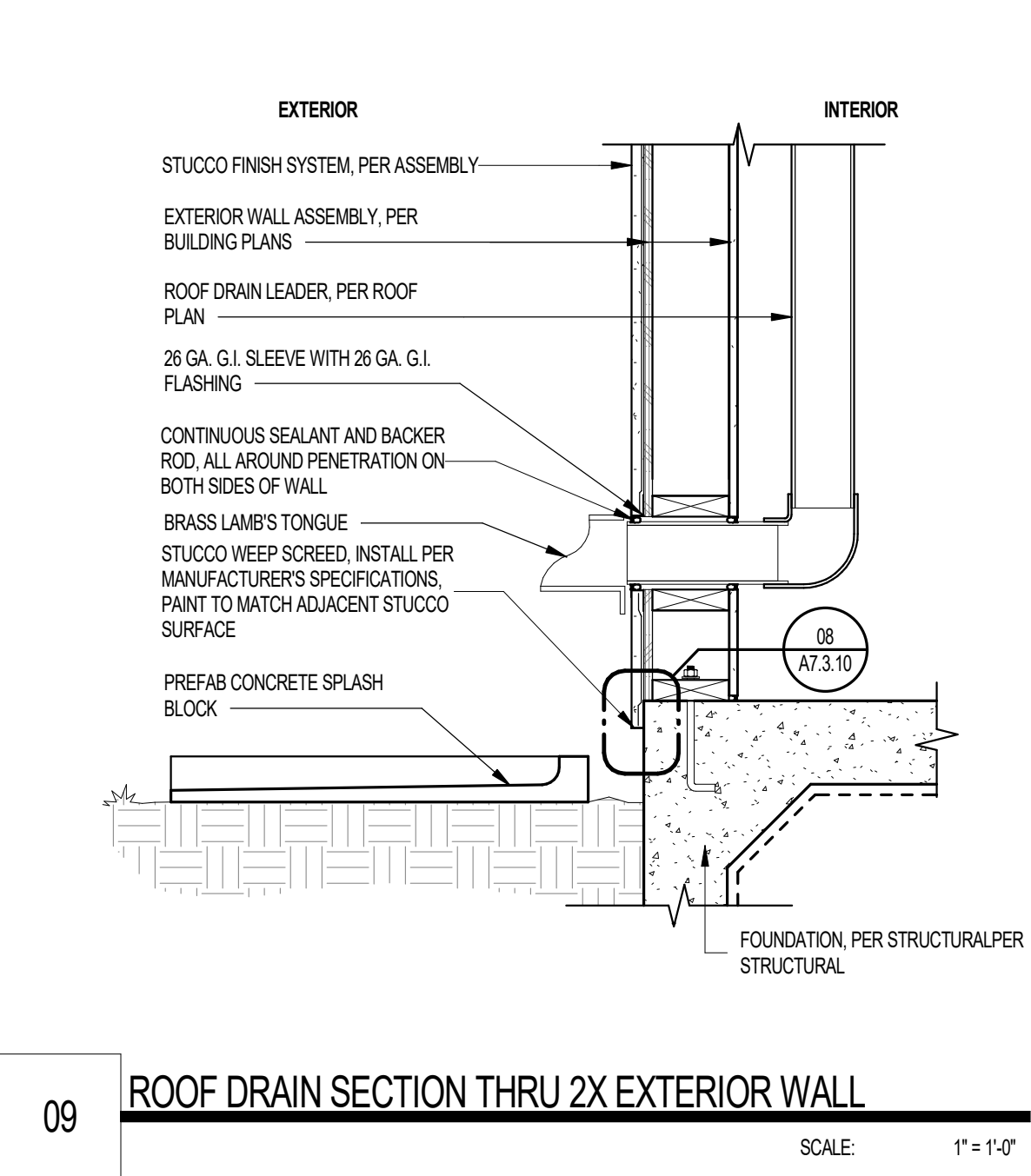
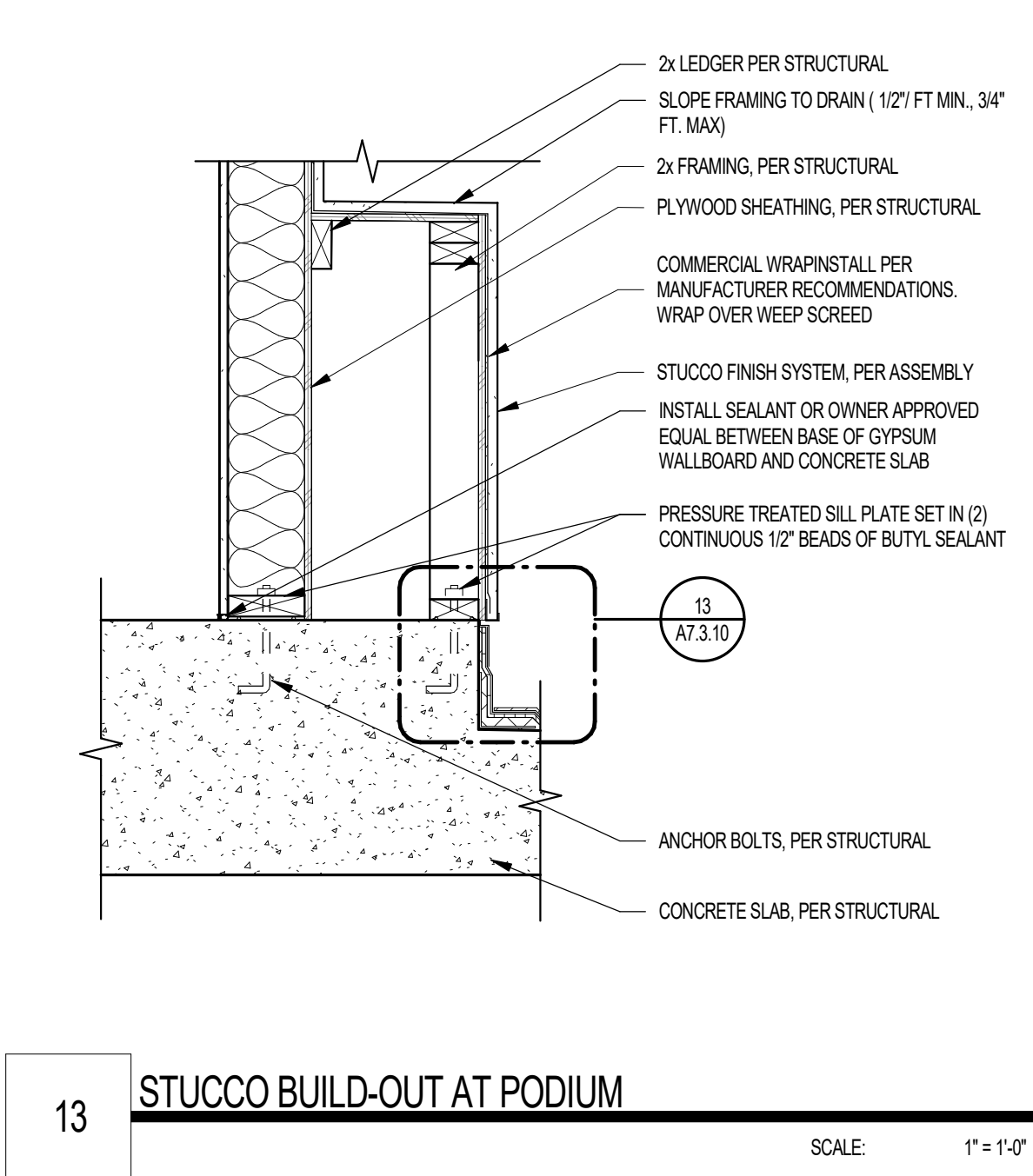
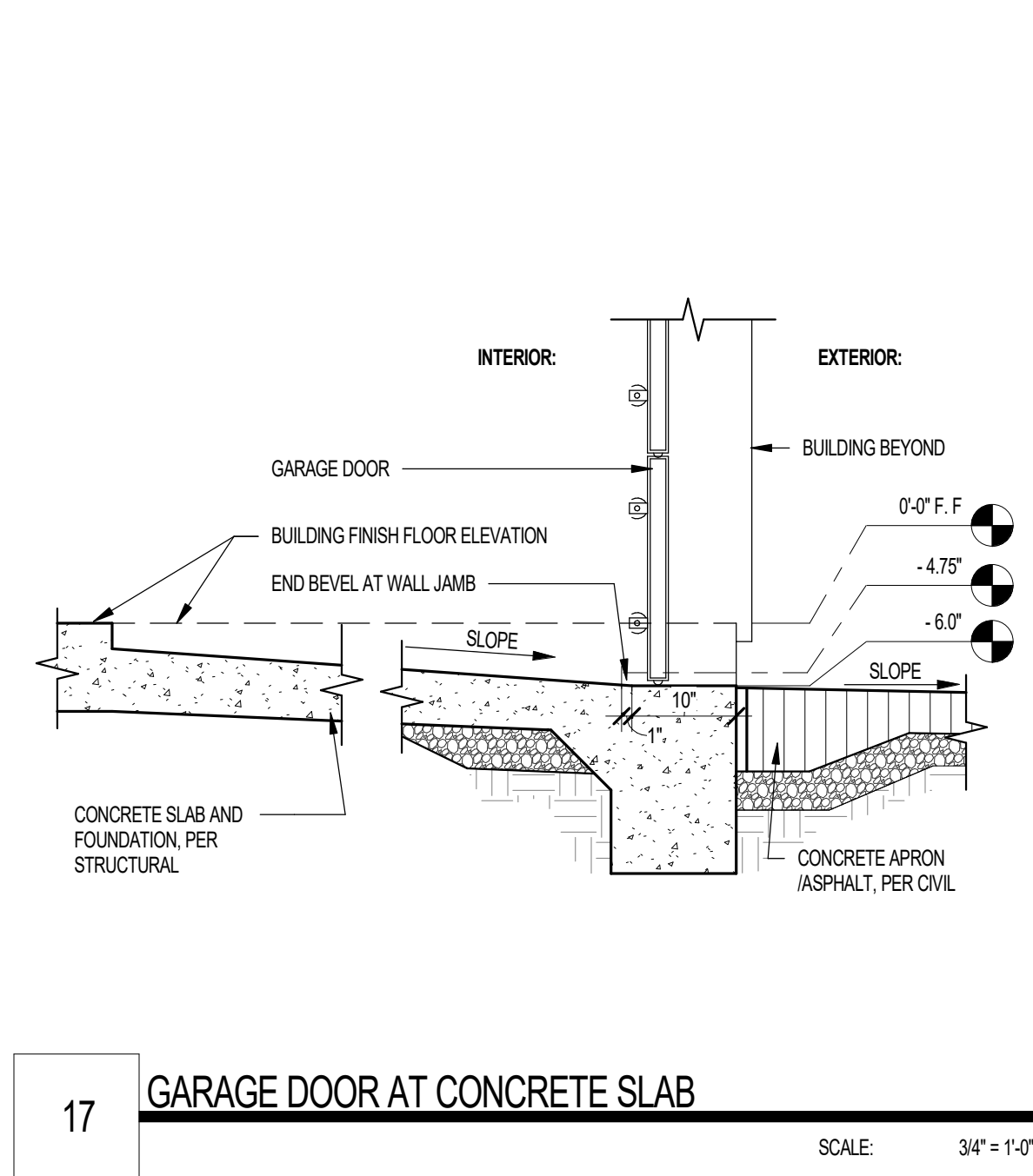
CLIENT NAME
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REVISIONS/SUBMITTALS	DATE	DESCRIPTION
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Project Name 1
Project Name 2
Street Address
City, State

Office of Rich Barber
ORB
Architecture, LLC
WorldHQ@ORBArch.com

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Notice of alternate billing (or payment) cycle
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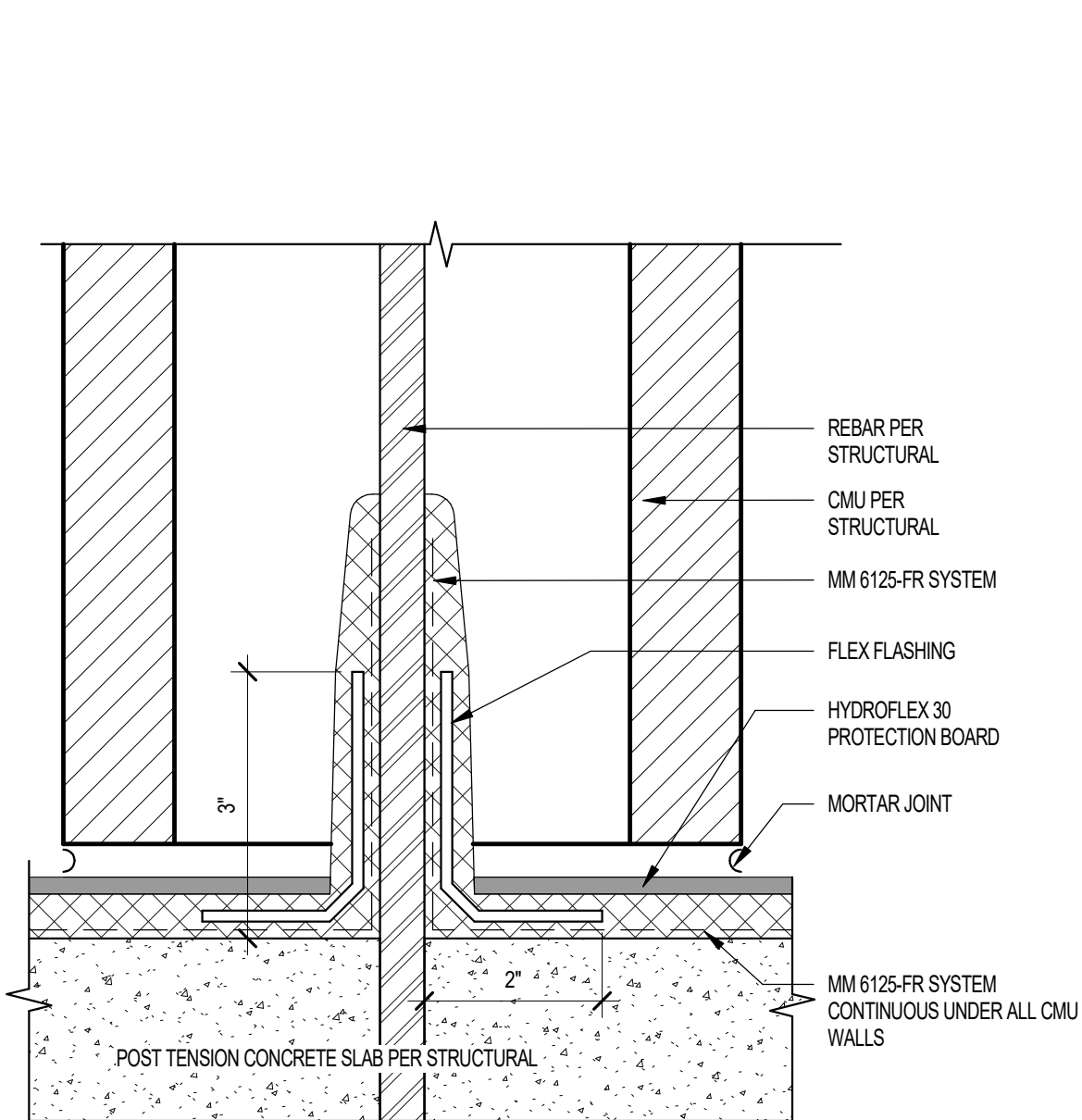
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications shall be used only for the project for which they were prepared and shall not be used for any other project. A further description of work and other terms and conditions shall be provided in the project schedule or as otherwise indicated on the project documents.

REVISIONS / SUBMITTALS	DATE	DESCRIPTION

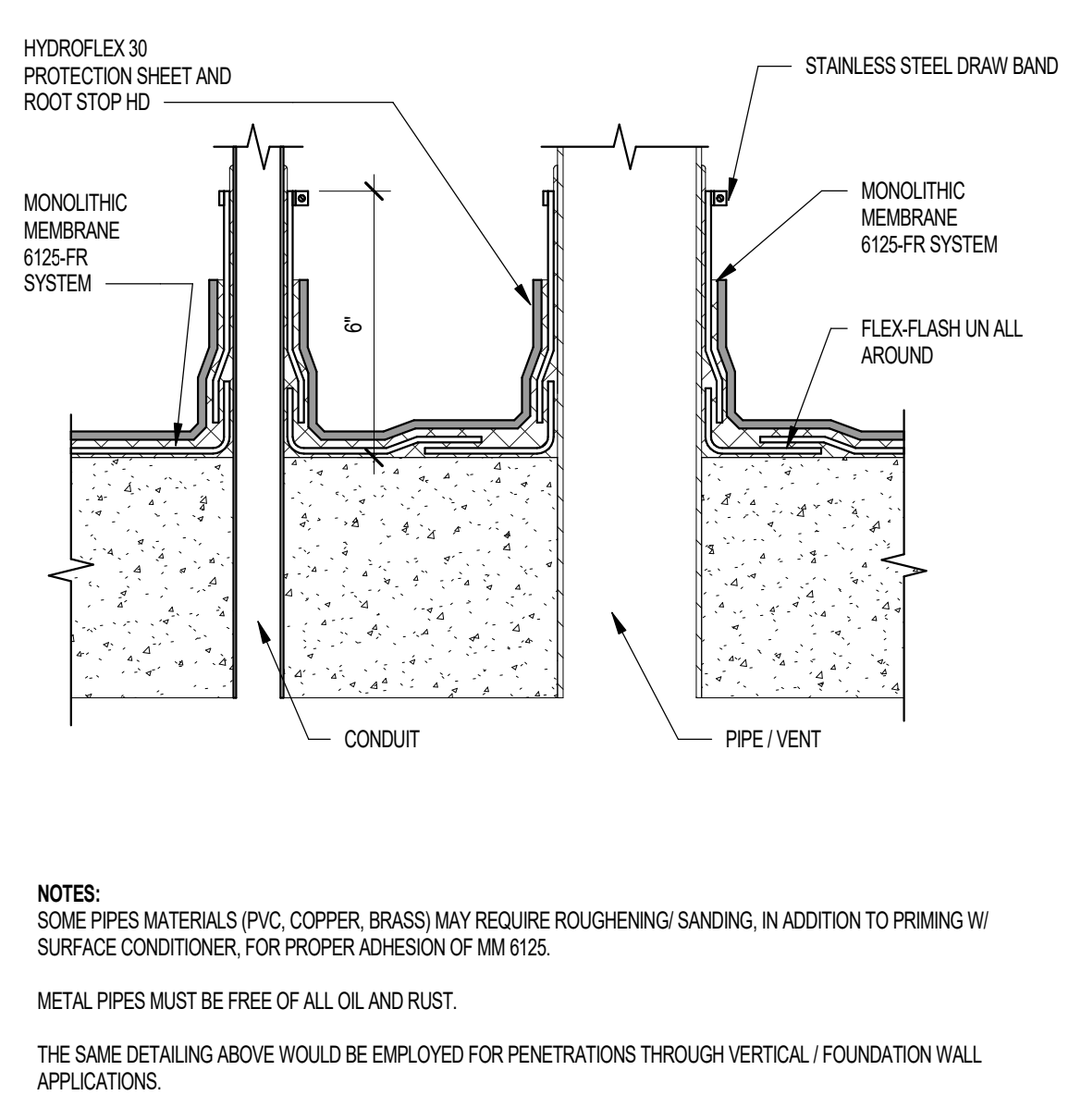
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.3.20
GROUND SLAB DETAILS

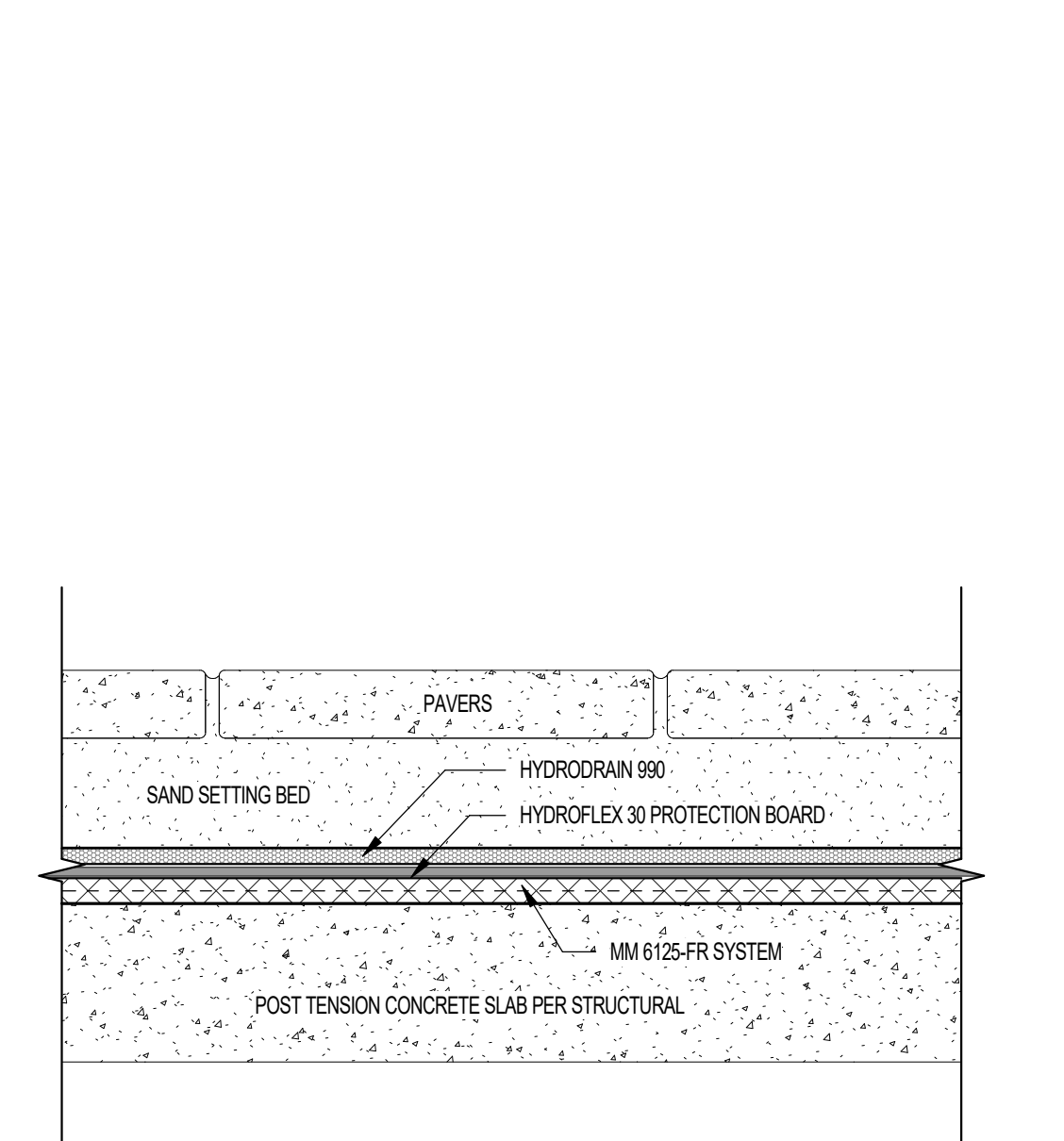
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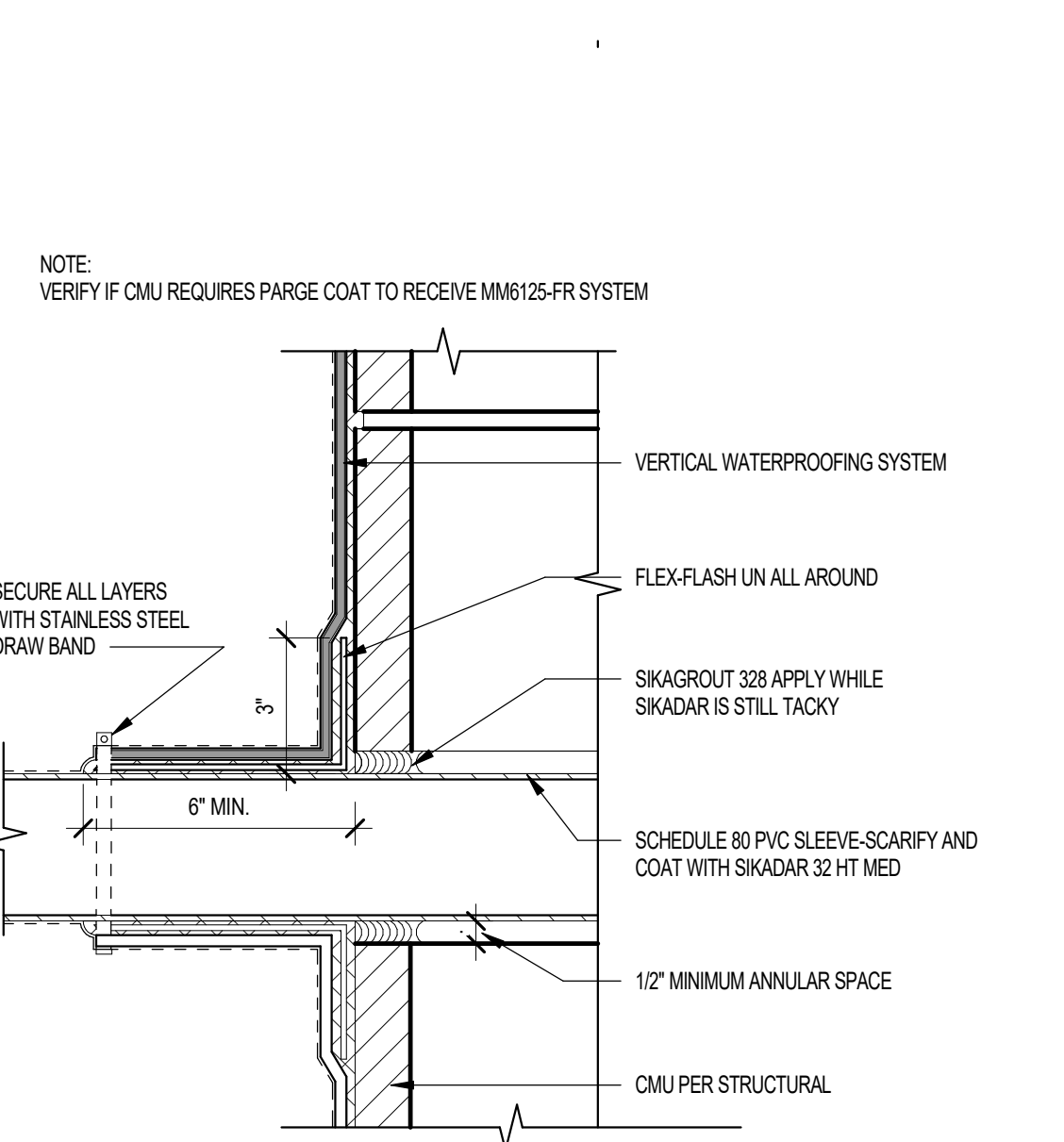
21 WATERPROOFING AT REBAR SCALE: 6" = 1'-0"



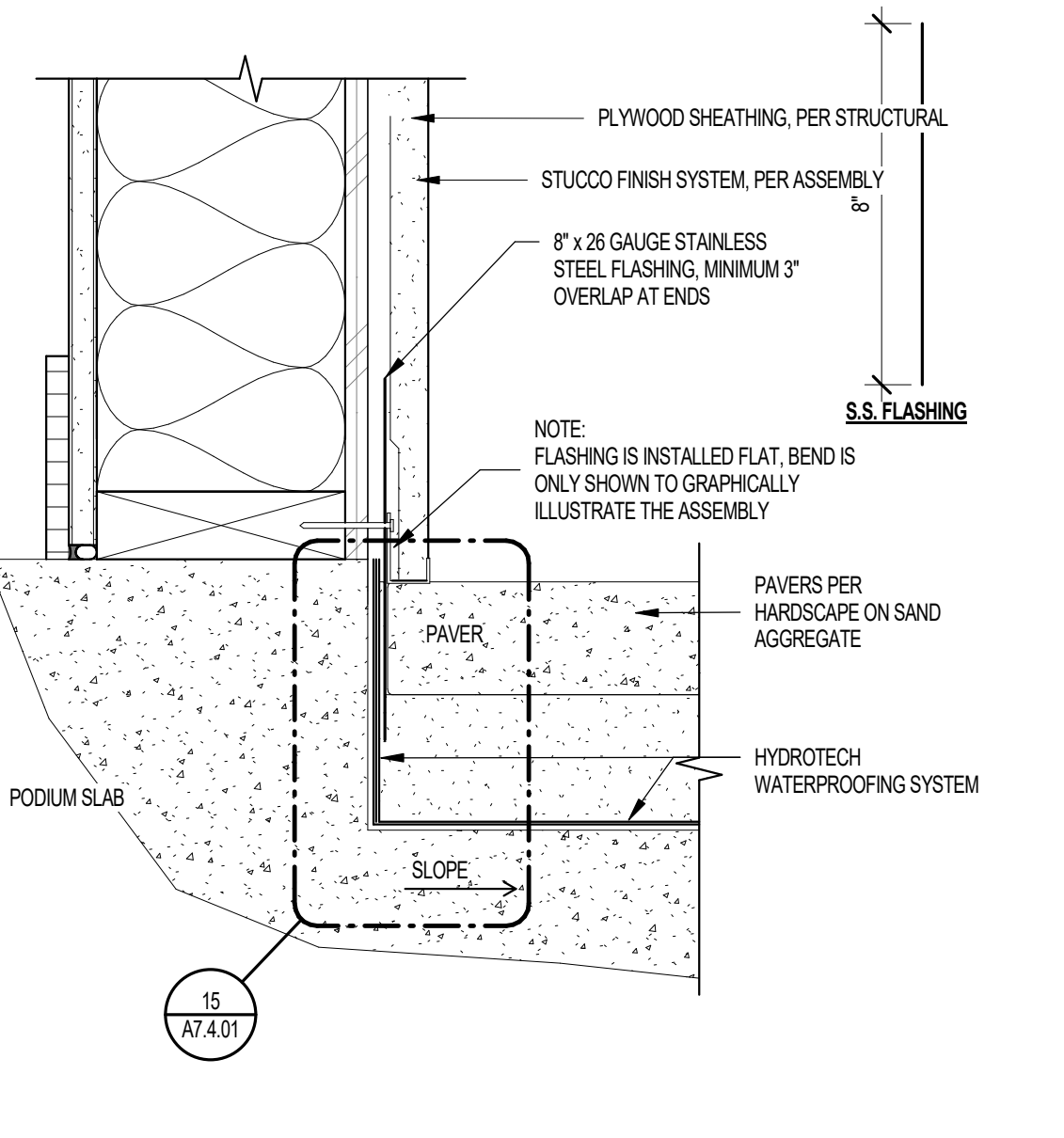
17 WATERPROOFING AT PAVERS SCALE: 3" = 1'-0"



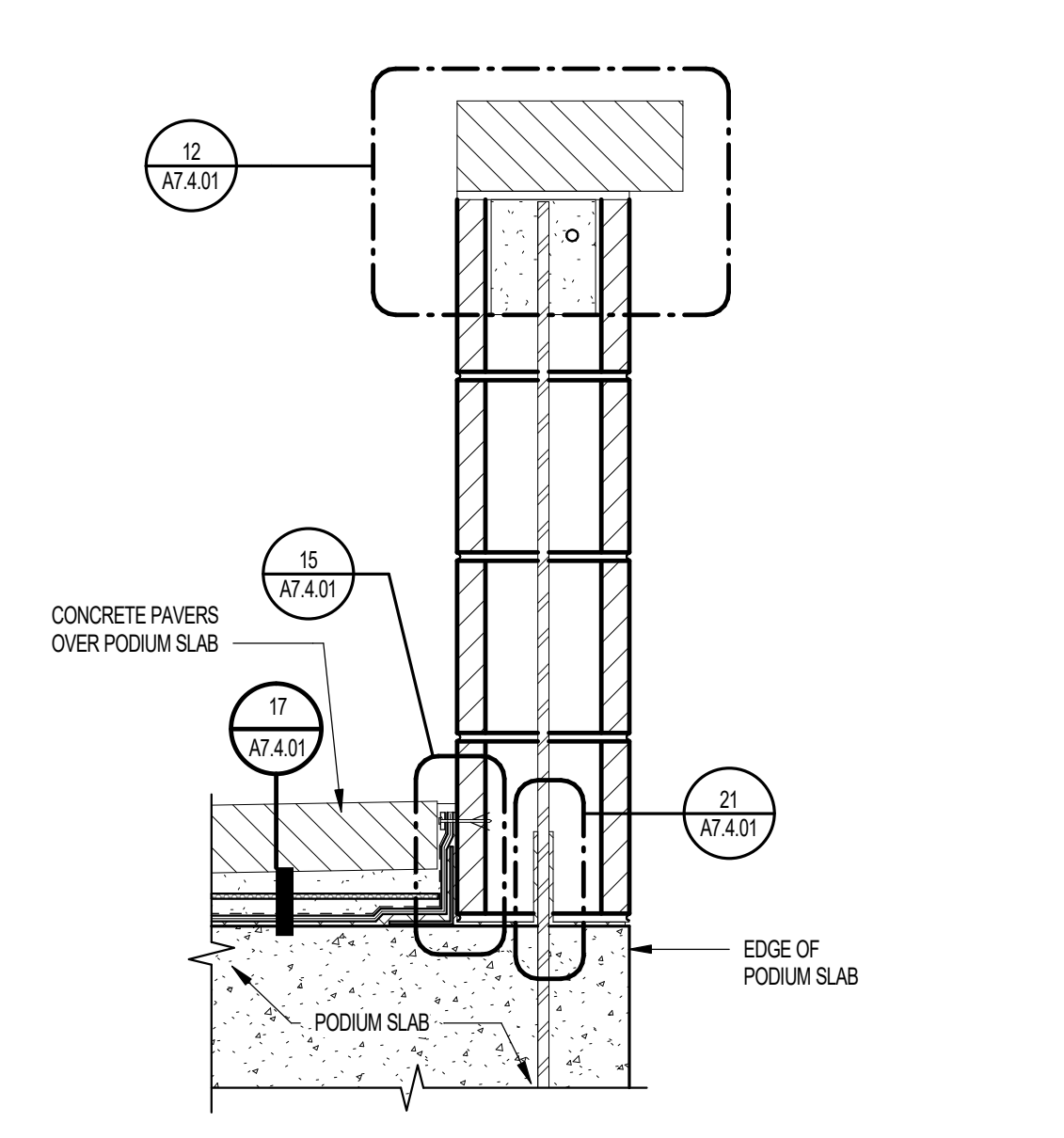
13 SILL PLATE AT BUILDING STEP SCALE: 3" = 1'-0"



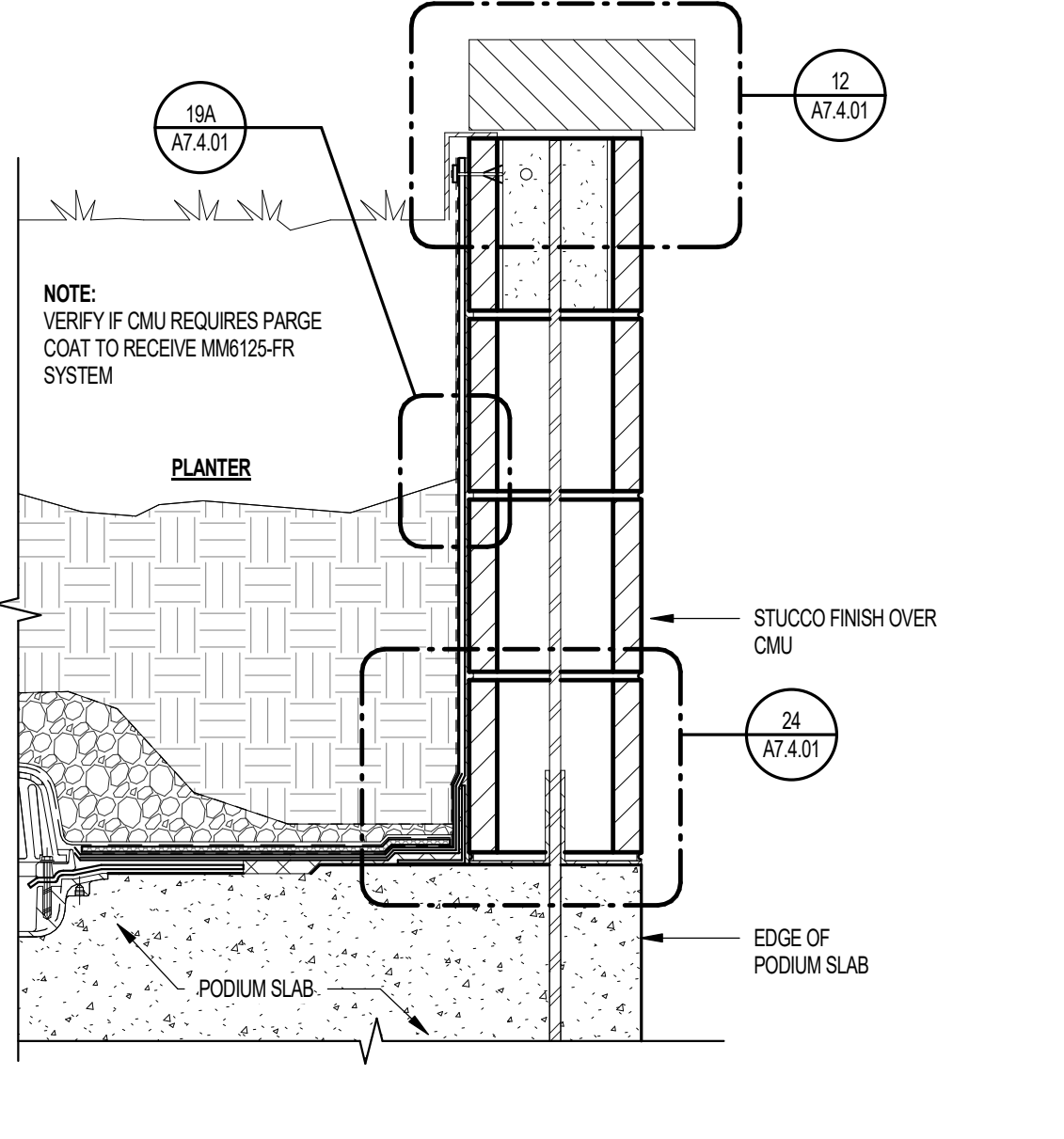
09 CMU WALL AT PODIUM SLAB EDGE SCALE: 1 1/2" = 1'-0"



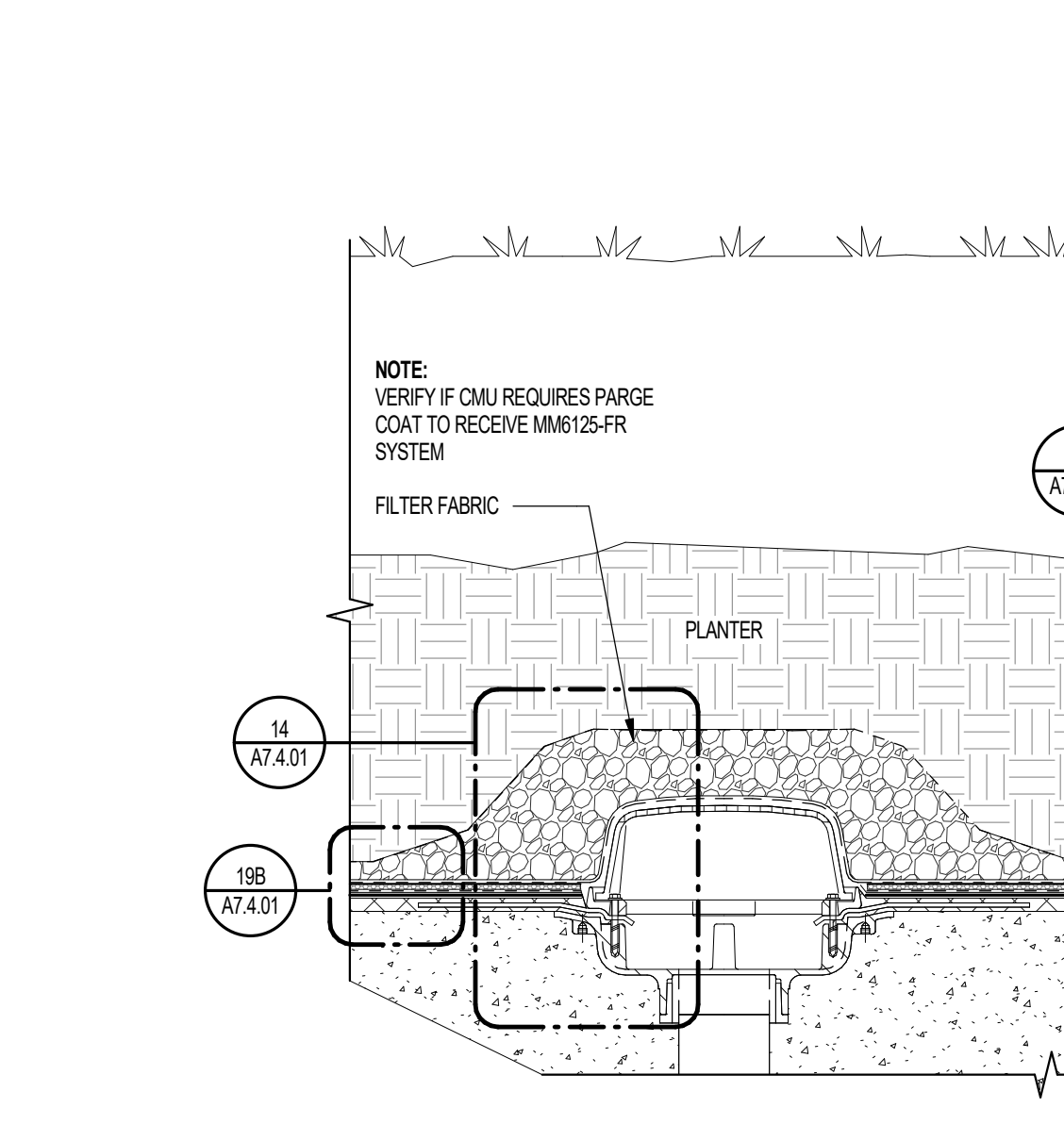
05 PODIUM PLANTER NOT TO SCALE



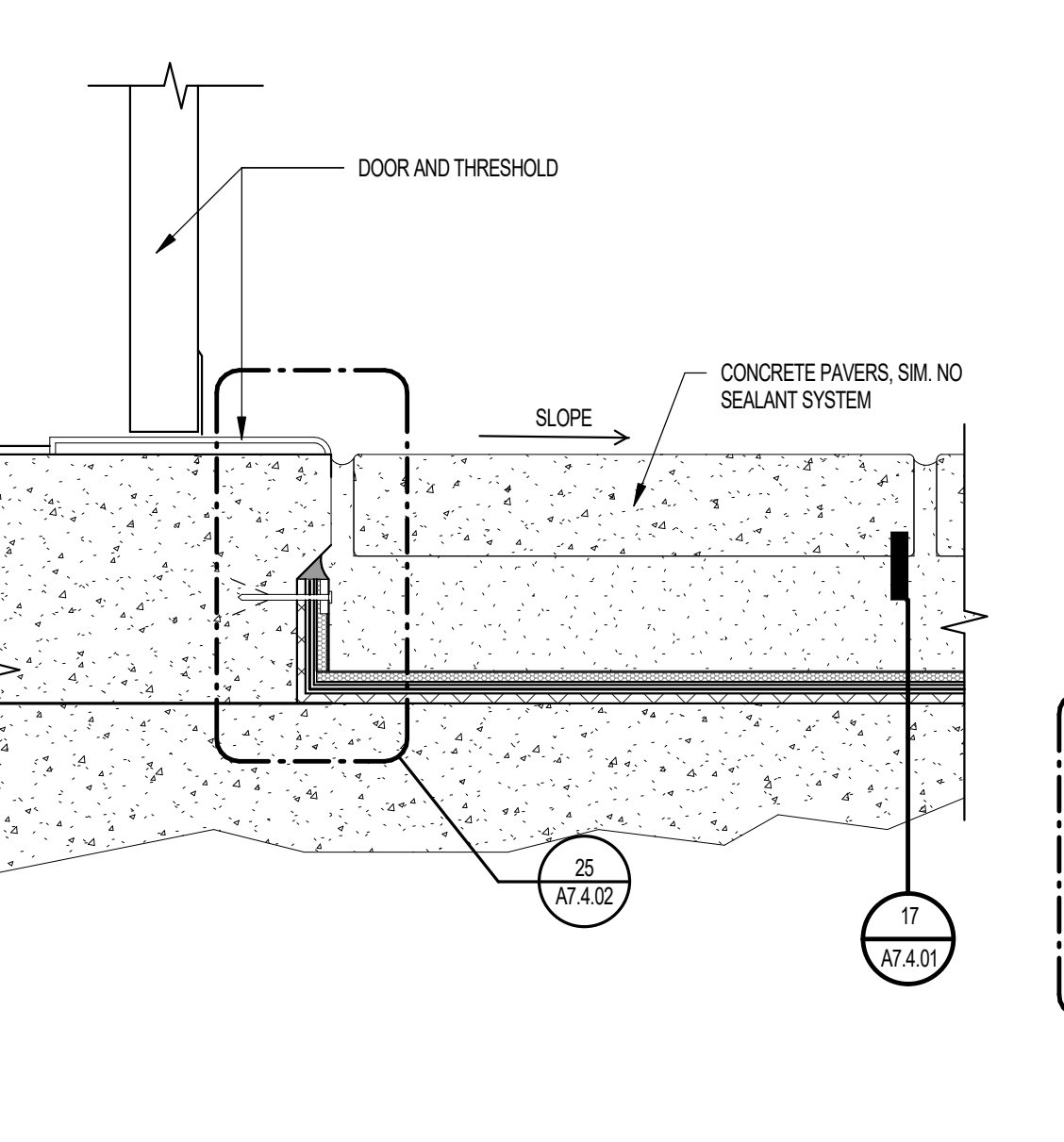
22 CAST IN PLACE PENETRATIONS - TYPICAL SCALE: 3" = 1'-0"



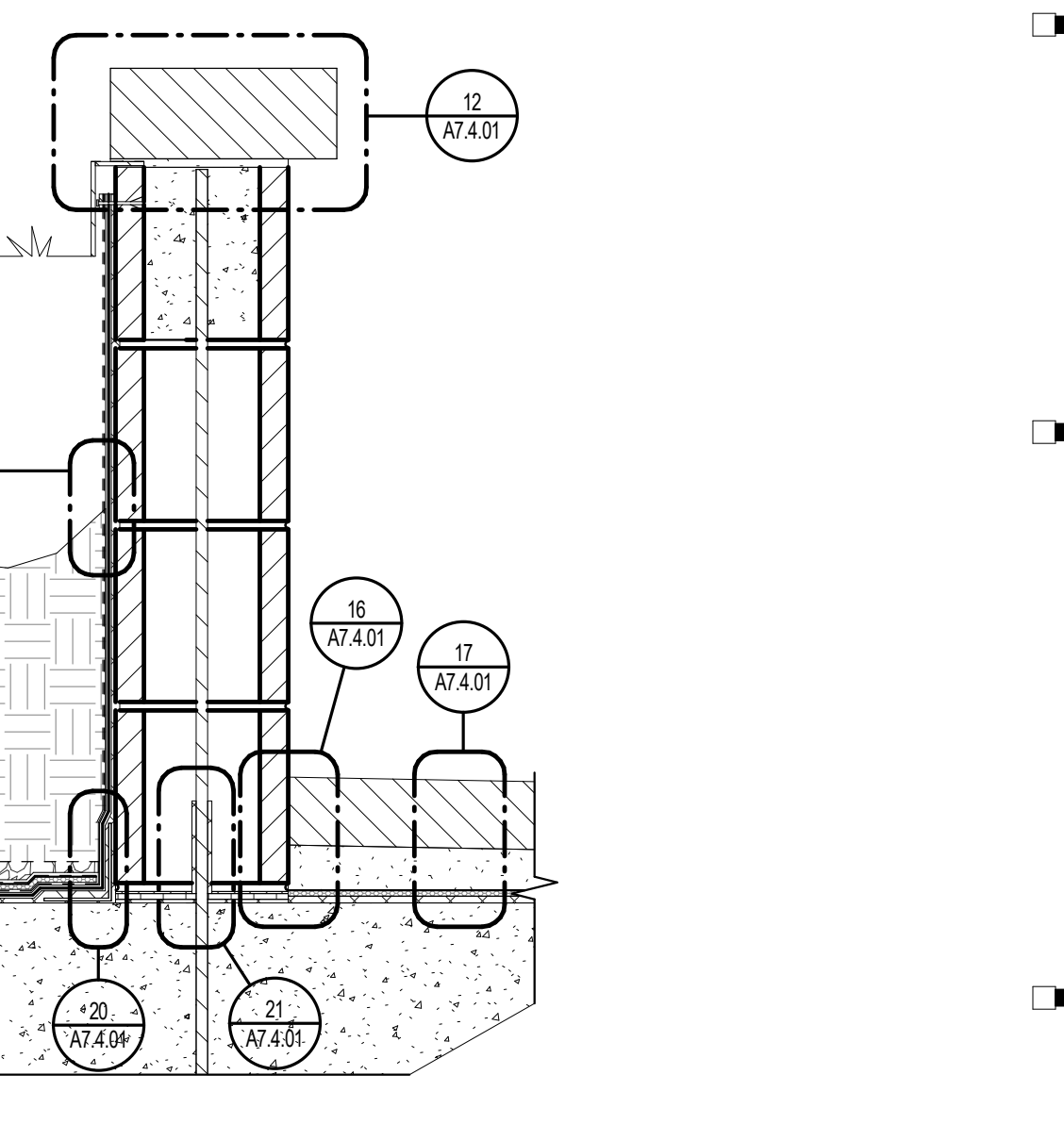
18 WATERPROOFING PIPE SLEEVE BETWEEN PLANTERS SCALE: 3" = 1'-0"



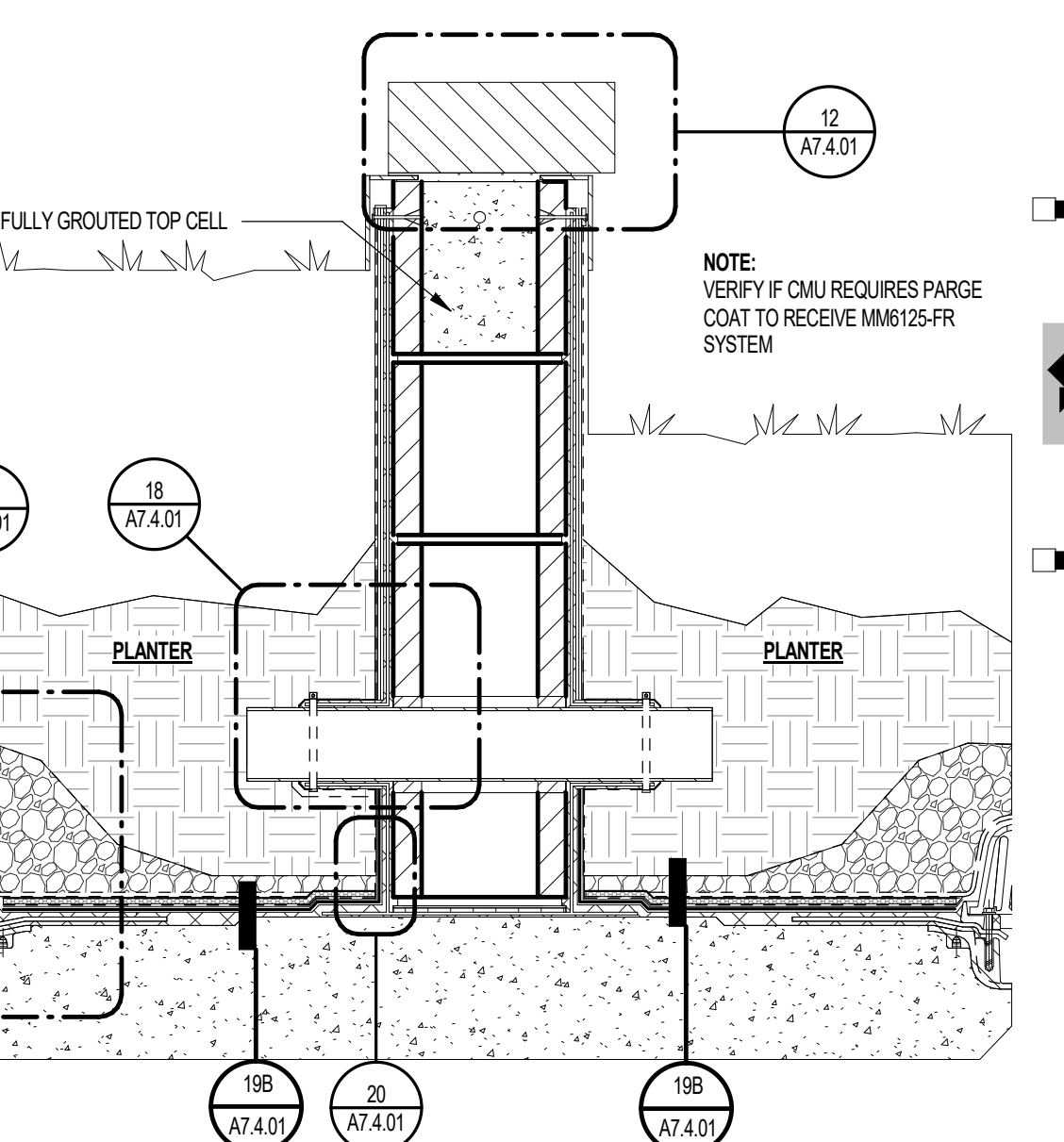
14 WATERPROOFING AT PLANTER DRAIN SCALE: 3" = 1'-0"



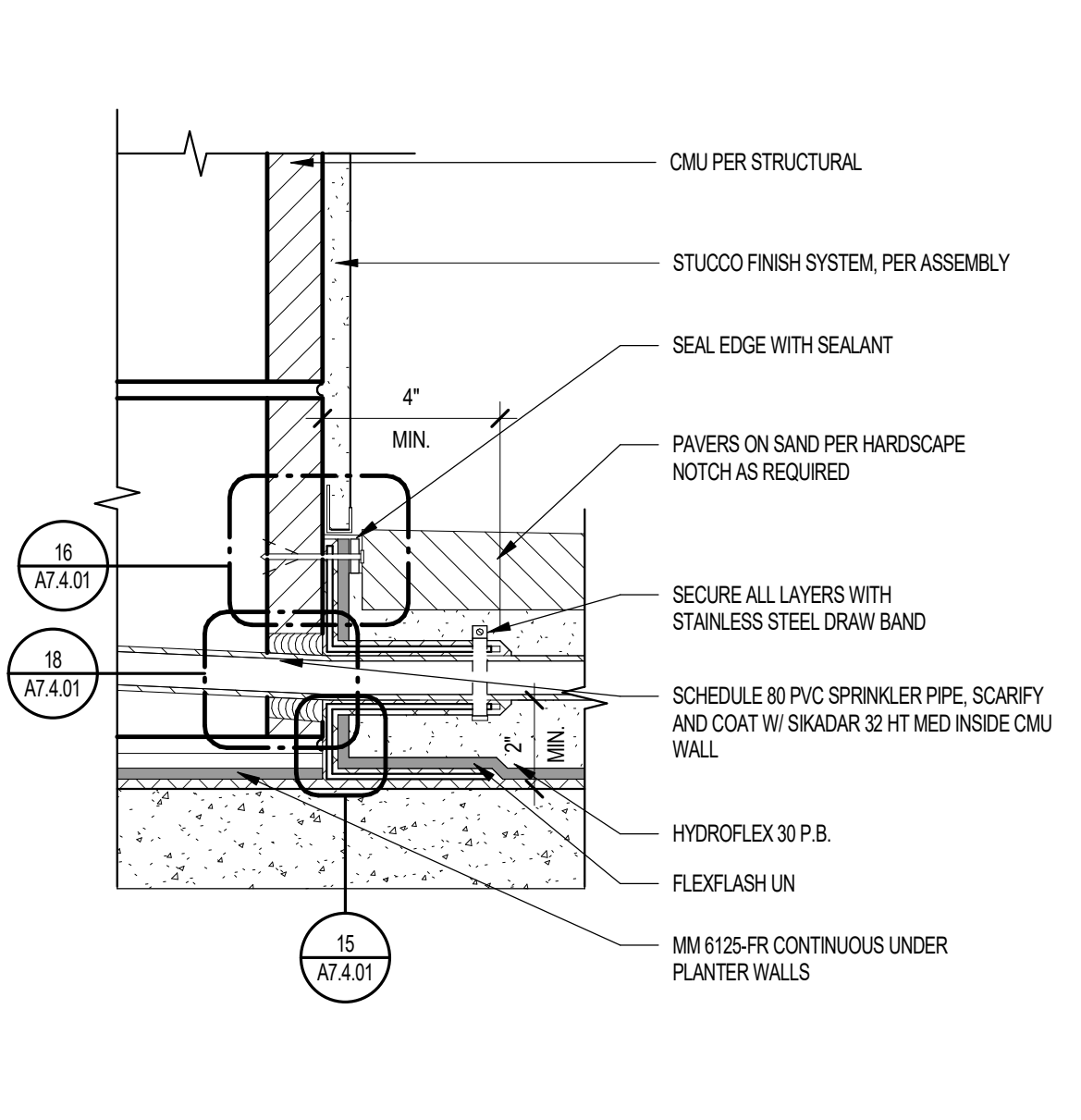
10 PLANTER WALL AT PODIUM SLAB EDGE SCALE: 1 1/2" = 1'-0"



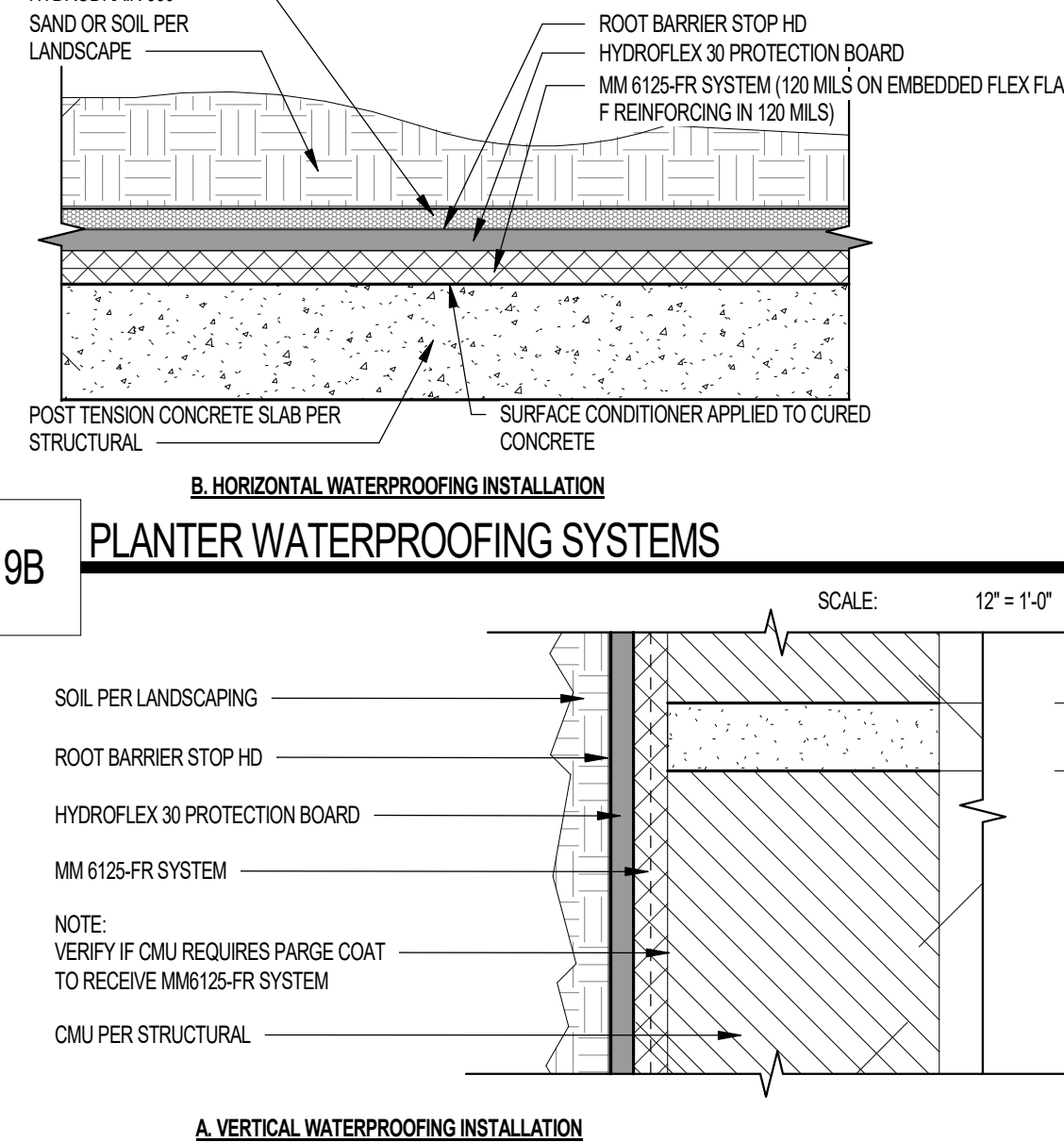
06 CONCRETE AND PAVERS AT DOORWAY SCALE: 3" = 1'-0"



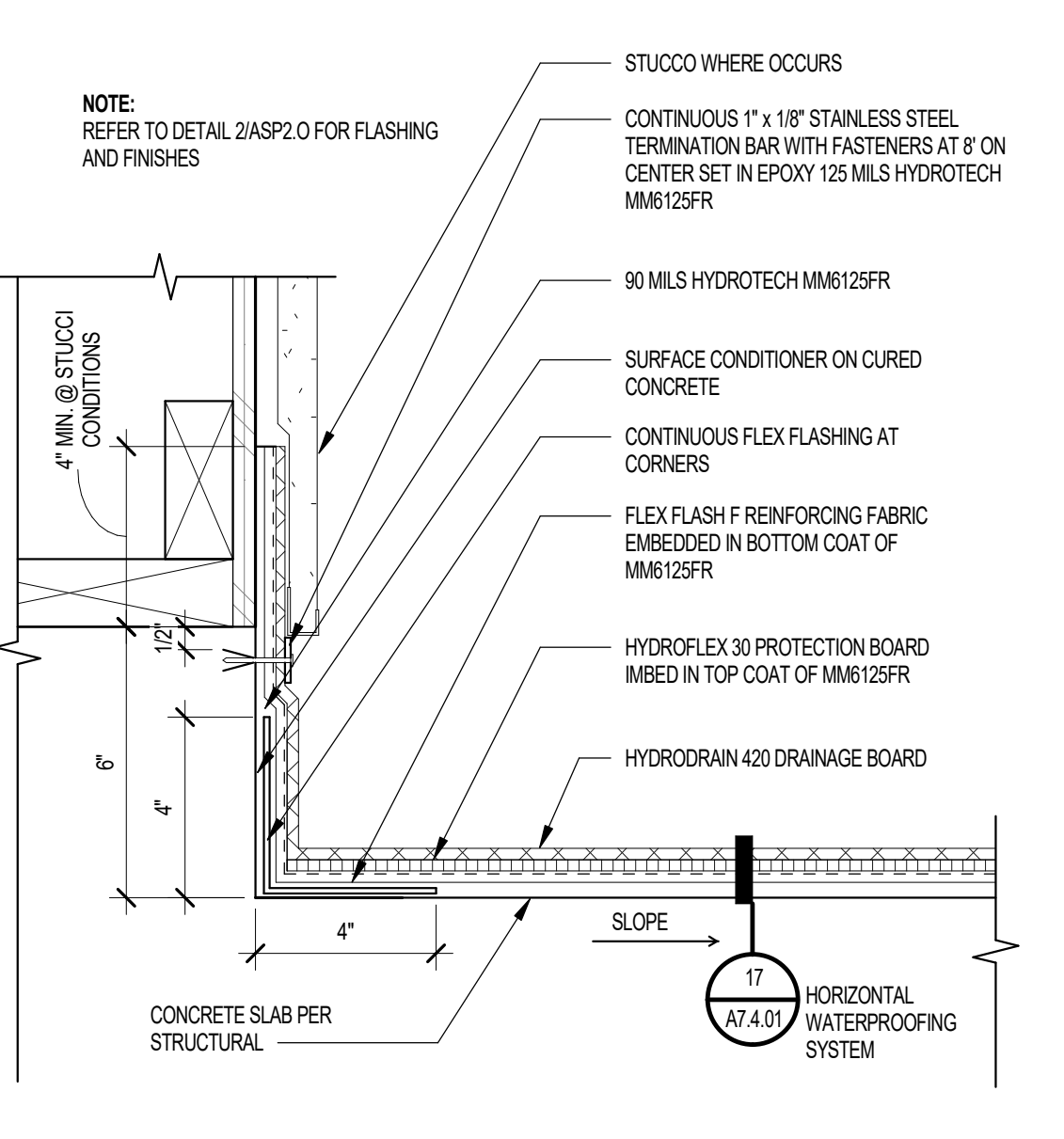
02 SHARED PLANTER WALLS SCALE: 1 1/2" = 1'-0"



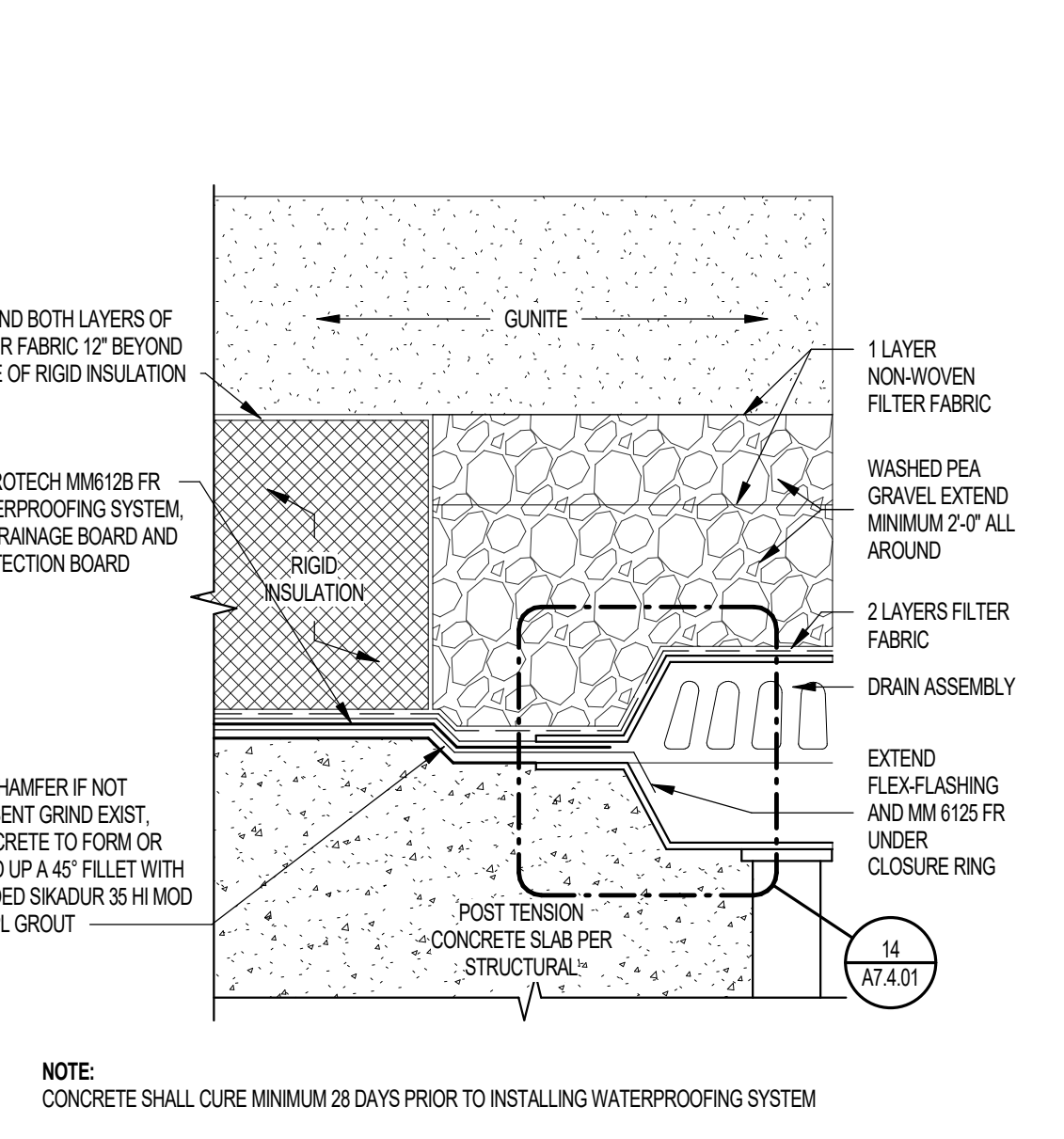
19B PLANTER WATERPROOFING SYSTEMS SCALE: 12" = 1'-0"



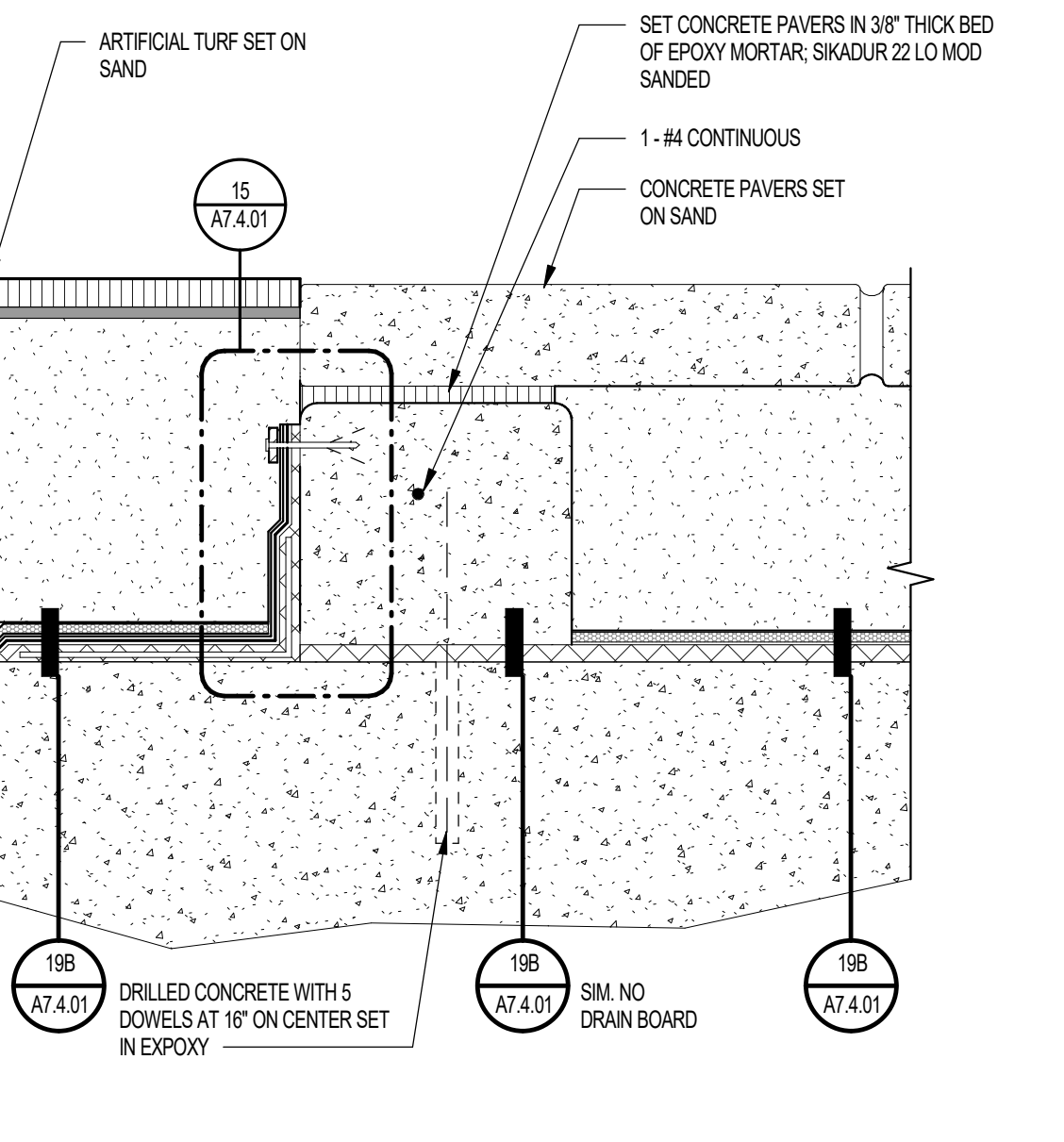
15 VERTICAL WATERPROOFING INSTALLATION SCALE: 3" = 1'-0"



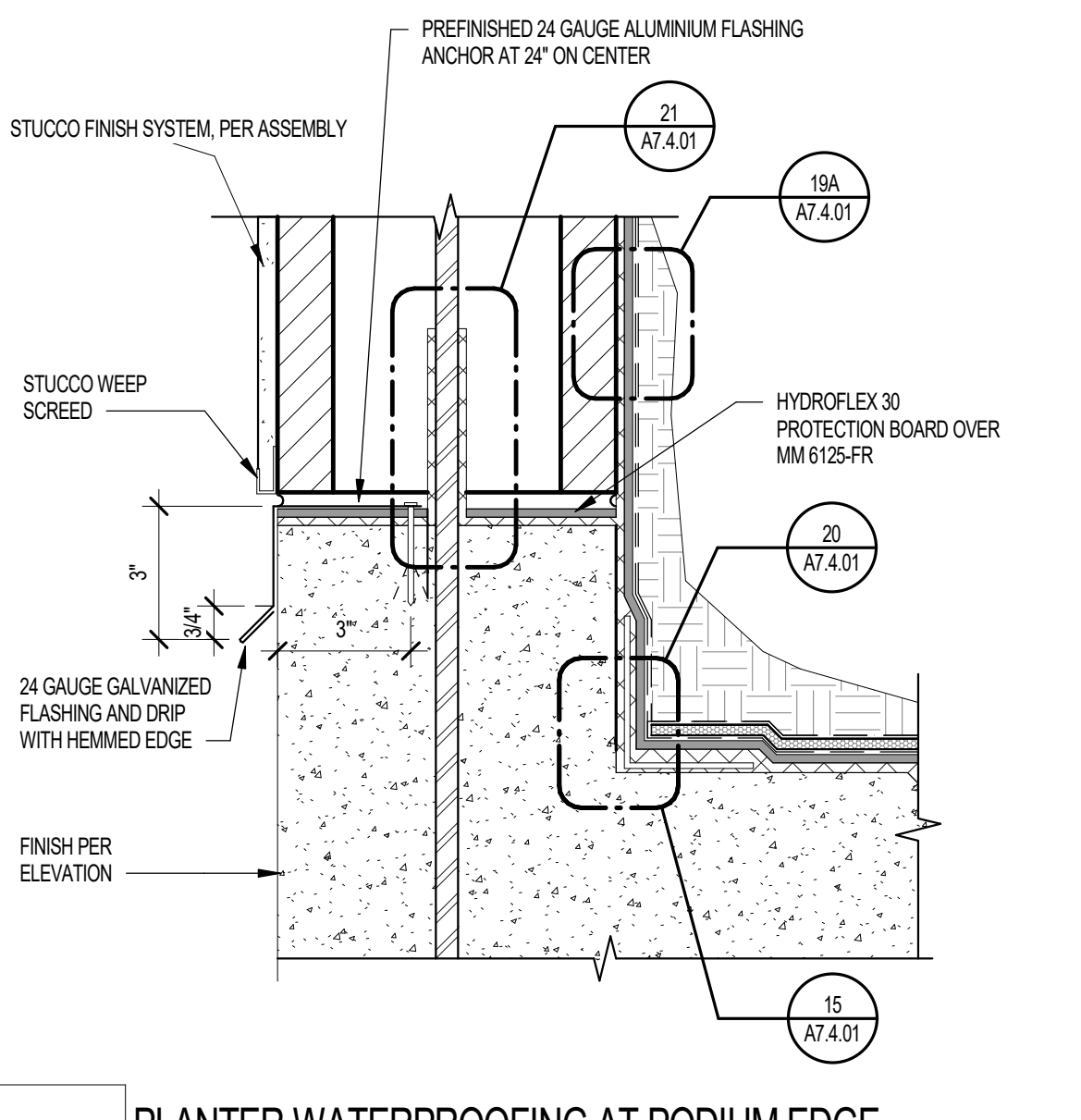
11 WATERPROOFING AT POOL DRAIN DETAIL SCALE: 3" = 1'-0"



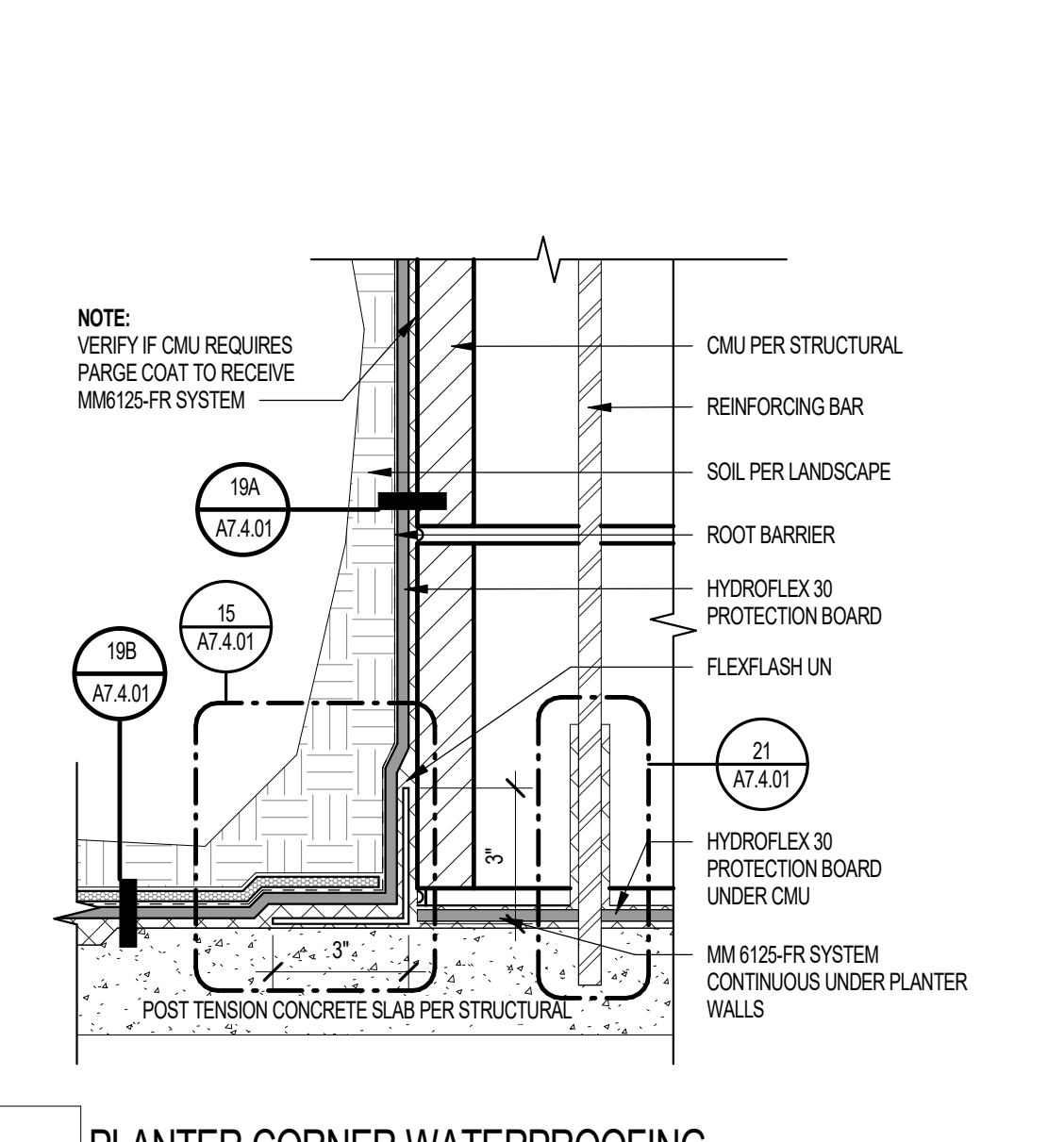
07 CONC. CURB AT ARTIFICIAL TURF AND CONC. PAVERS SCALE: 3" = 1'-0"



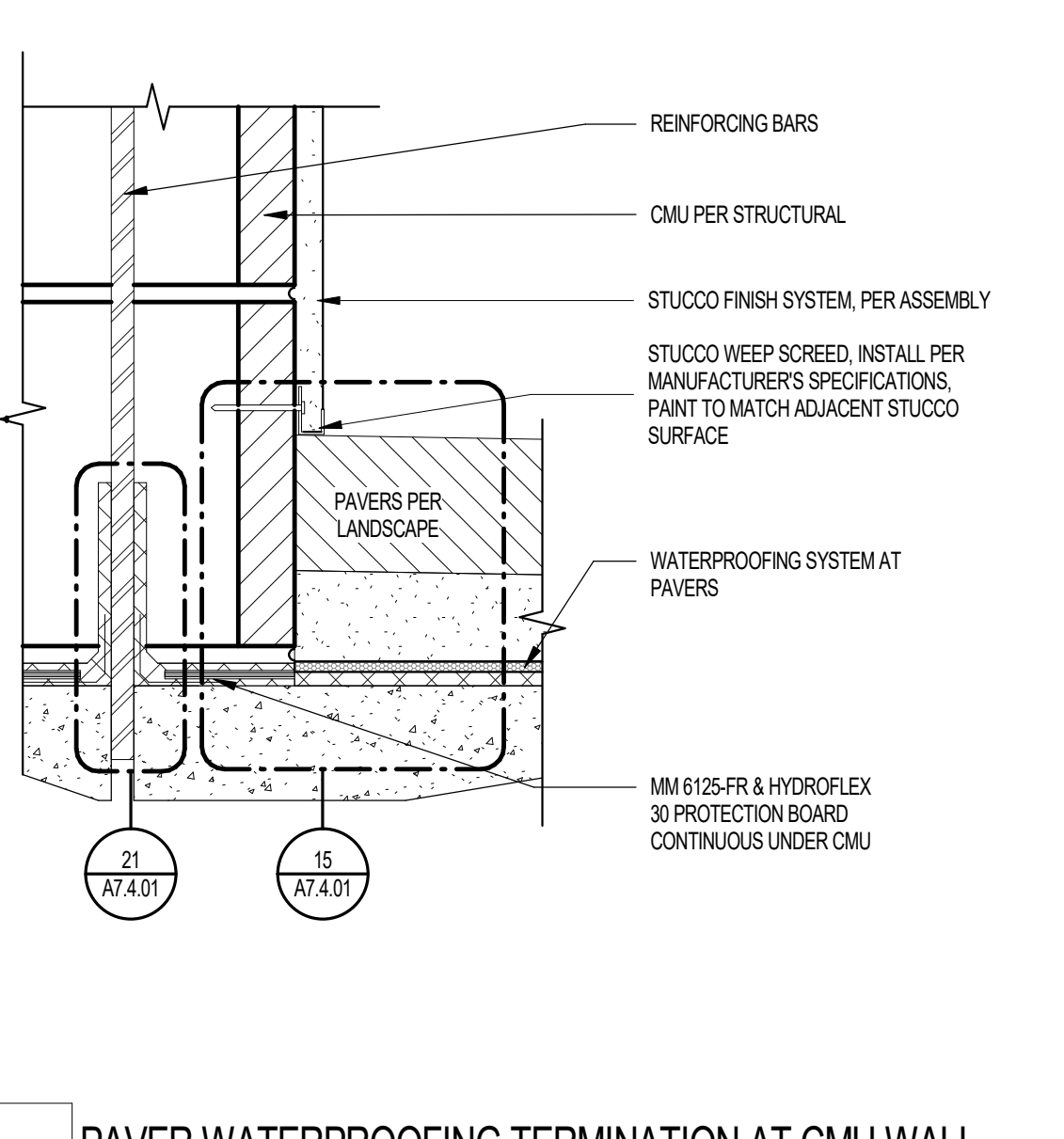
03 PAVERS AT WALL BASE SCALE: 3" = 1'-0"



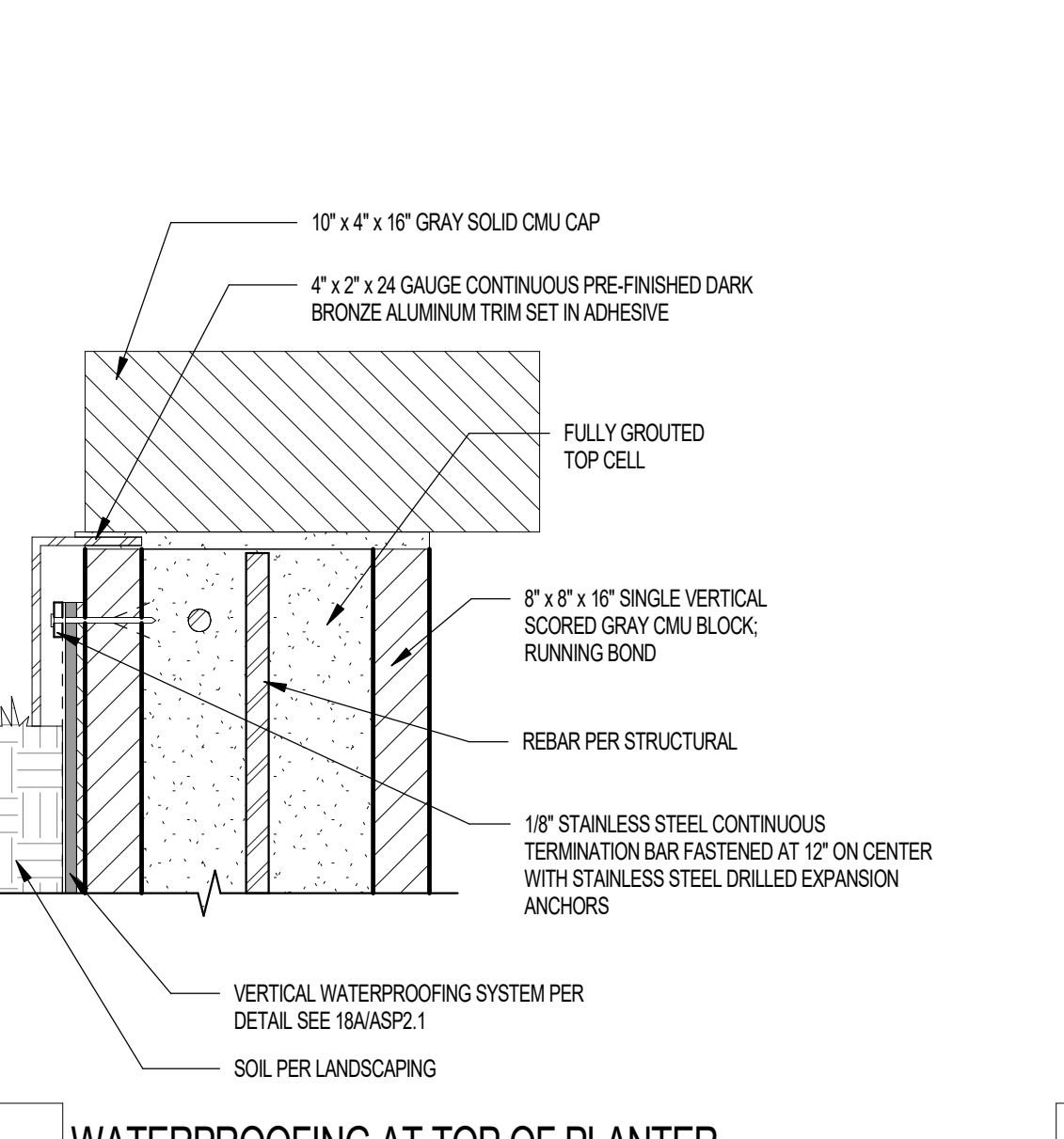
23 IRRIGATION PIPE PENETRATION AT PLANTERS SCALE: 3" = 1'-0"



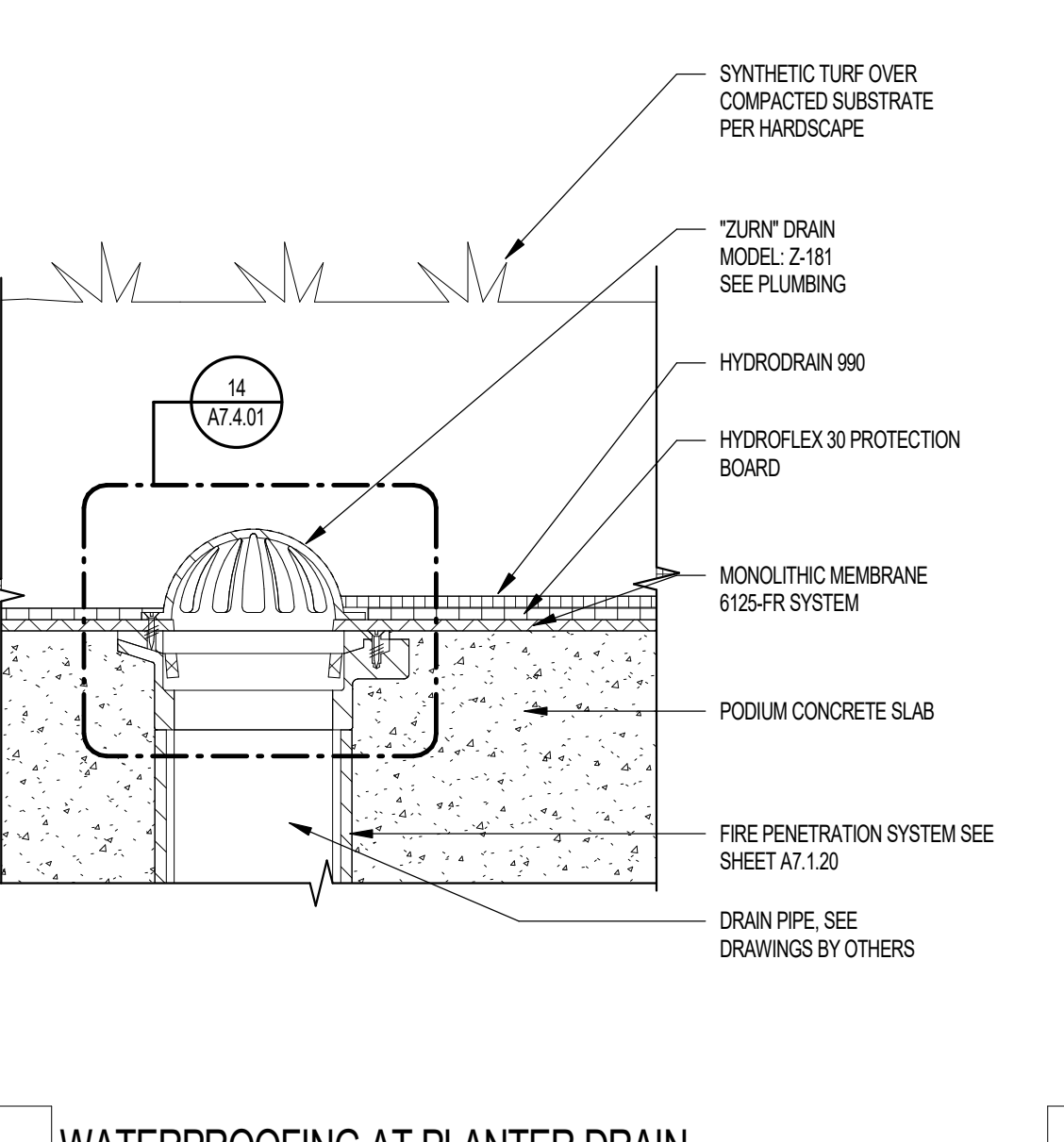
24 PLANTER WATERPROOFING AT PODIUM EDGE SCALE: 3" = 1'-0"



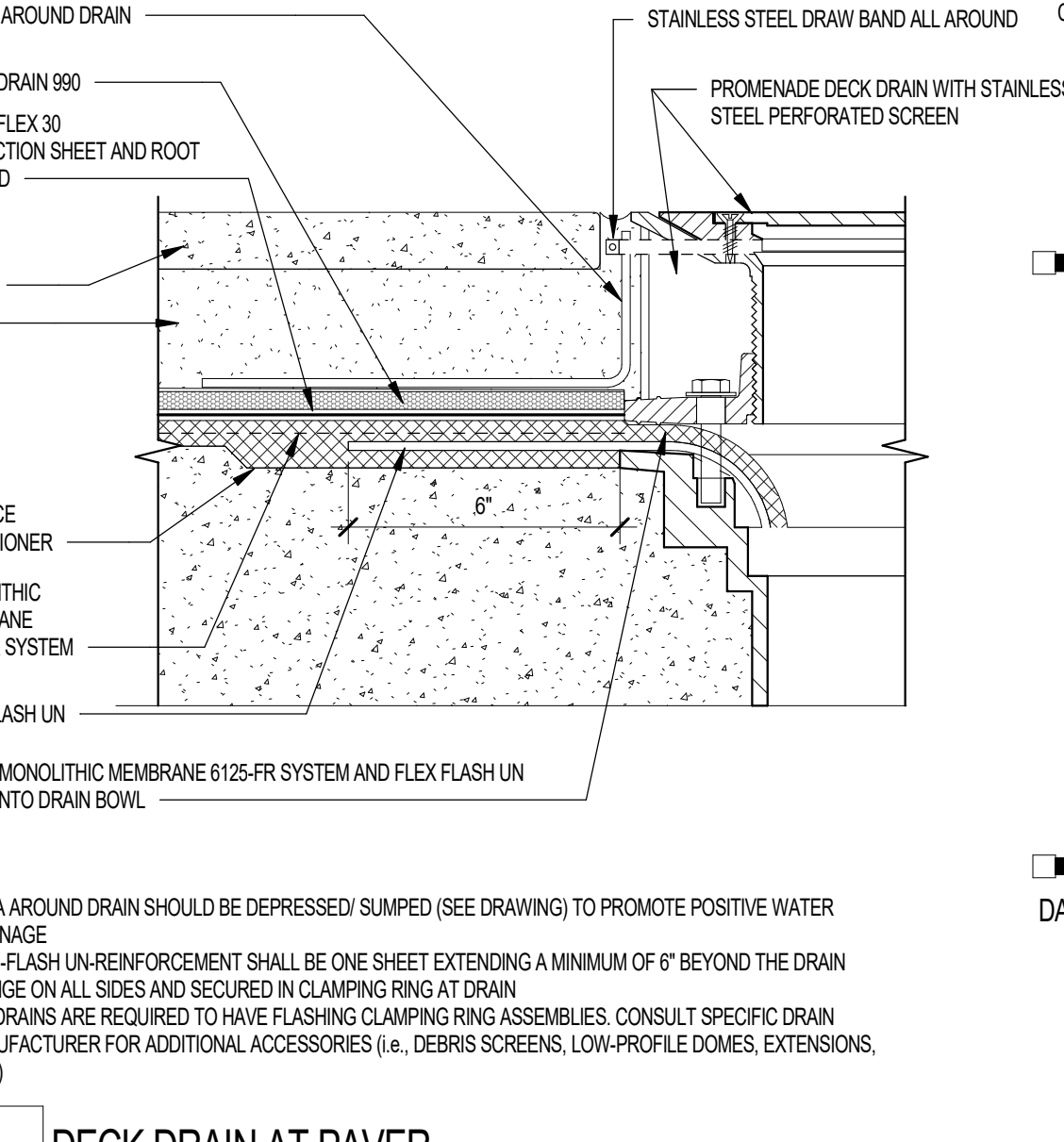
20 PLANTER CORNER WATERPROOFING SCALE: 3" = 1'-0"



16 PAVER WATERPROOFING TERMINATION AT CMU WALL SCALE: 3" = 1'-0"



12 WATERPROOFING AT TOP OF PLANTER SCALE: 3" = 1'-0"



08 WATERPROOFING AT PLANTER DRAIN SCALE: 3" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State
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ORB
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WorldHQ@ORBArch.com

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CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the Contractor to request the submission of bills of materials or bills of labor upon the project start. This contract shall also require the Contractor to submit alternate bills of materials or bills of labor upon the project start. A further description of what other billing cycle options are available is provided on the back of the contract.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or design agent shall provide the written consent on request.

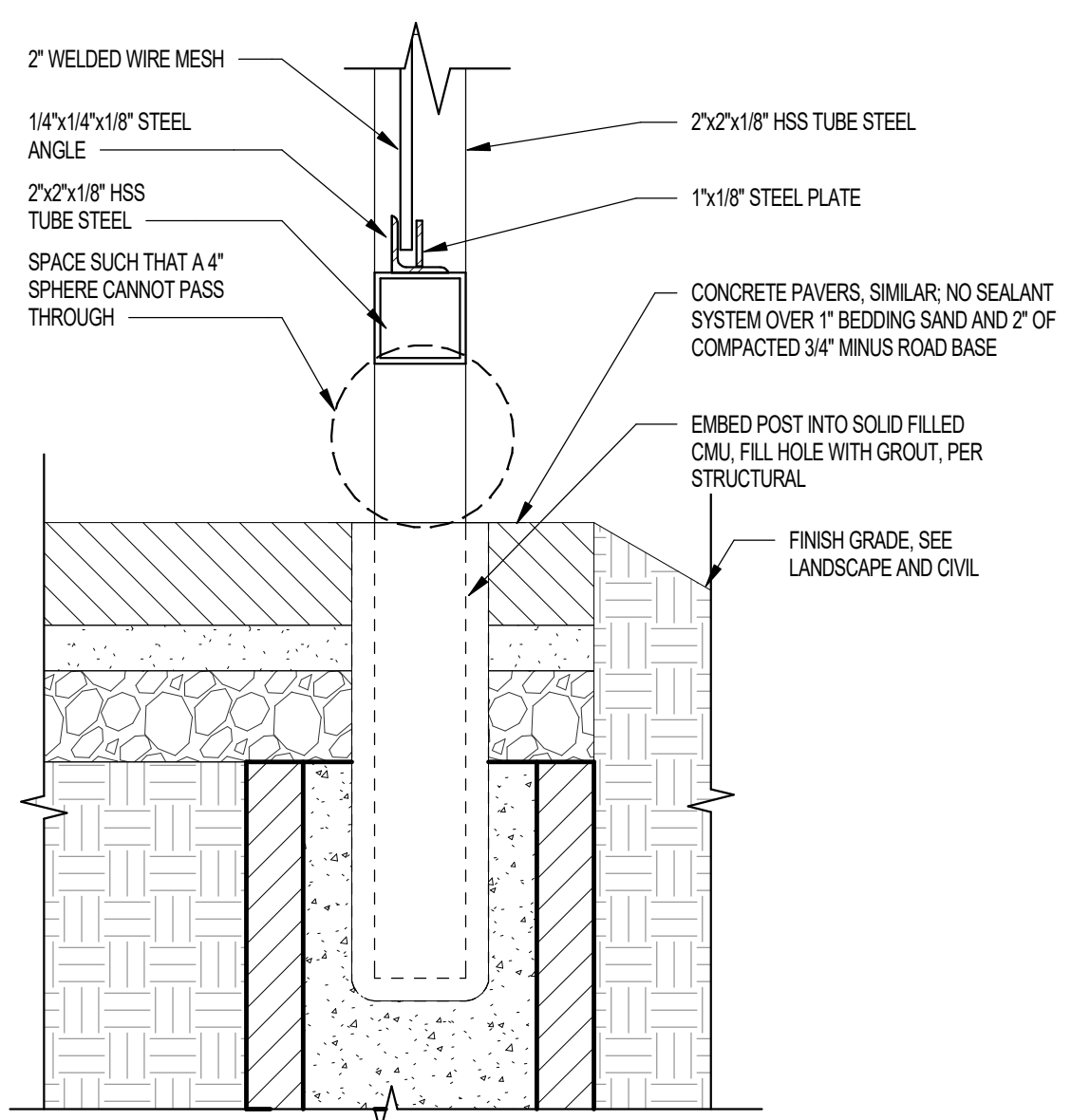
Contractor must verify all dimensions of project before proceeding with this work.

REVISIONS/SUBMITTALS
DATE DESCRIPTION

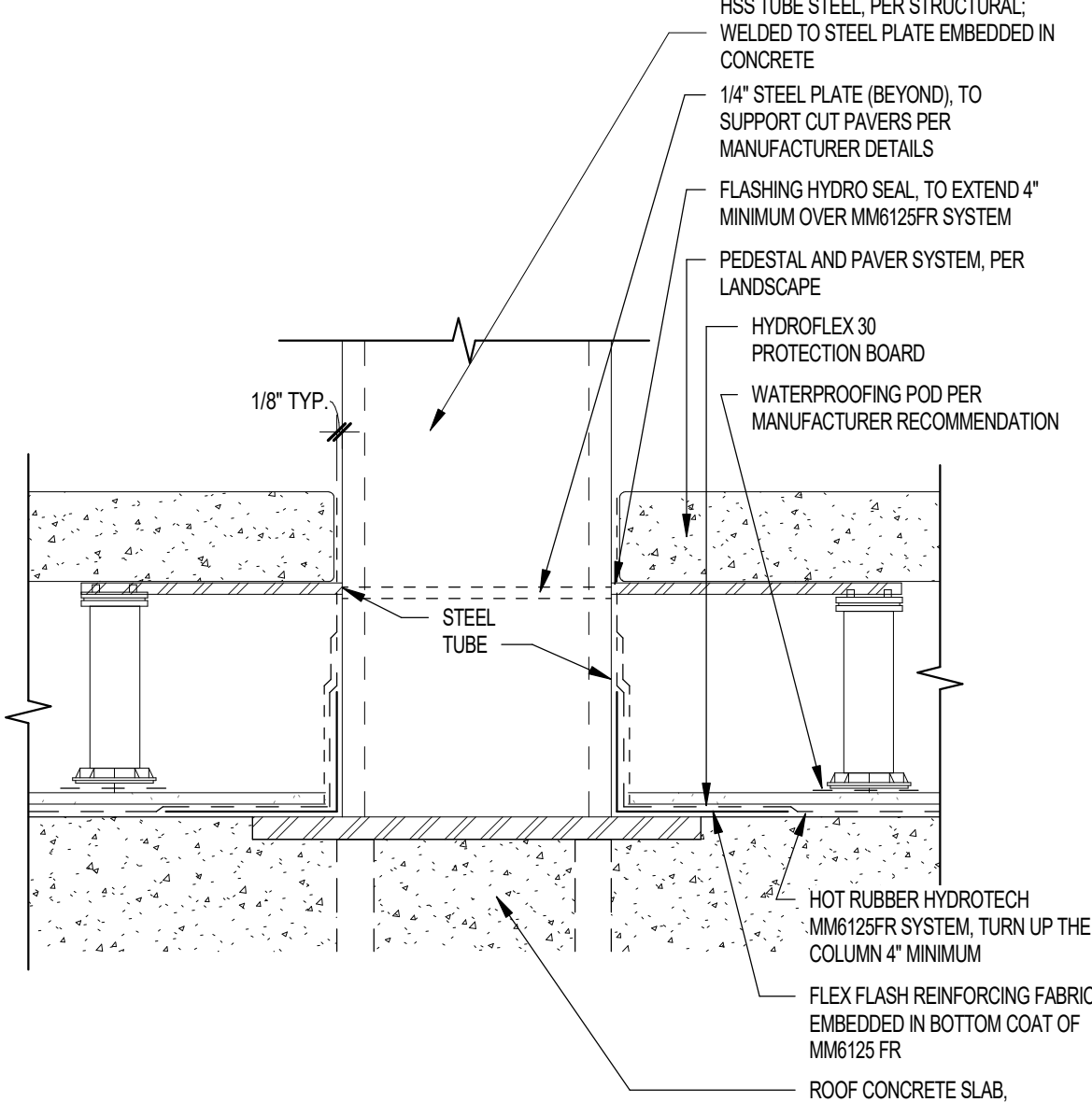
1ST BUILDING SUBMITTAL
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.4.01
SLAB PLAN DETAILS

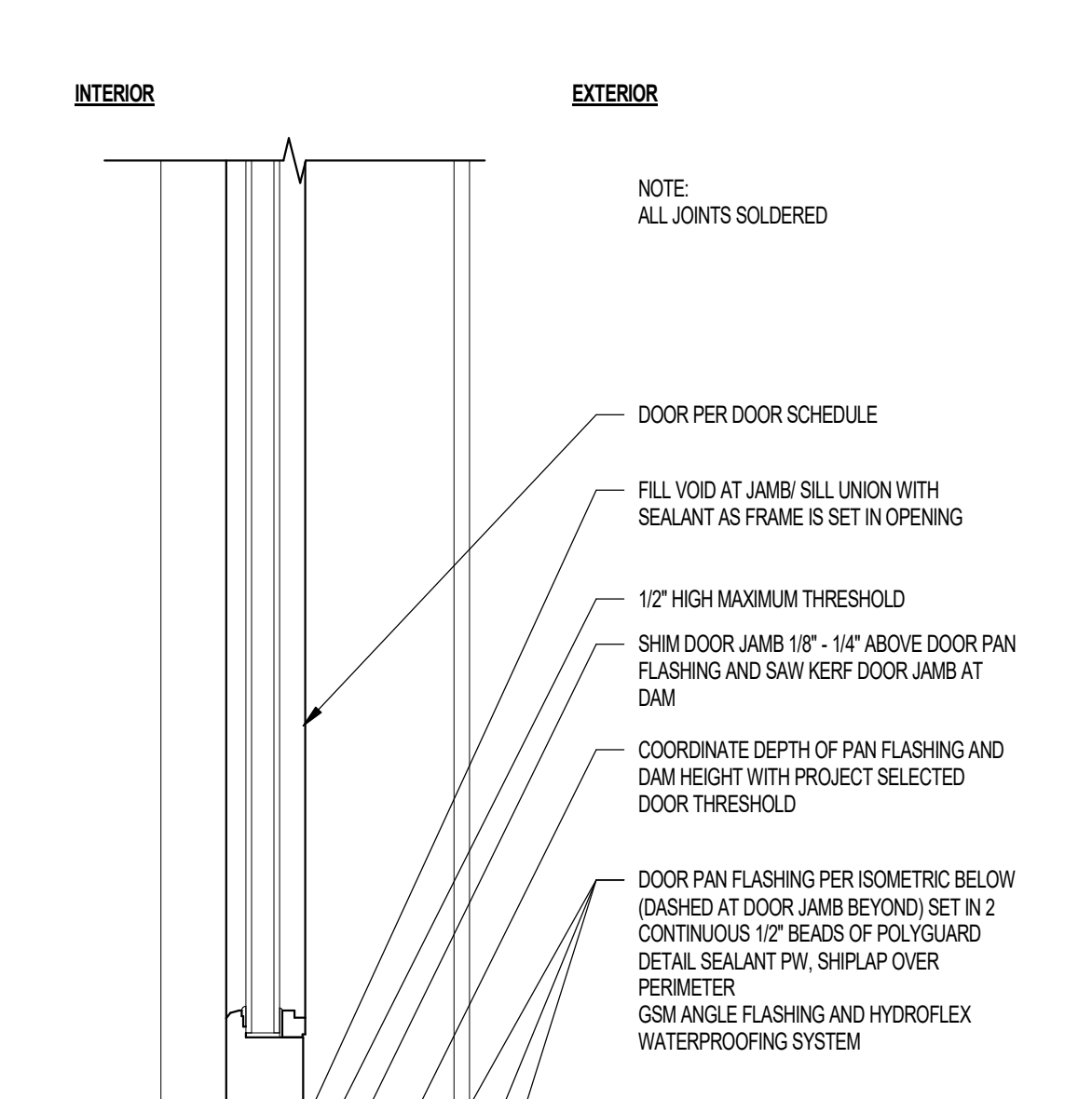
9/17/2024 2:25:38 PM



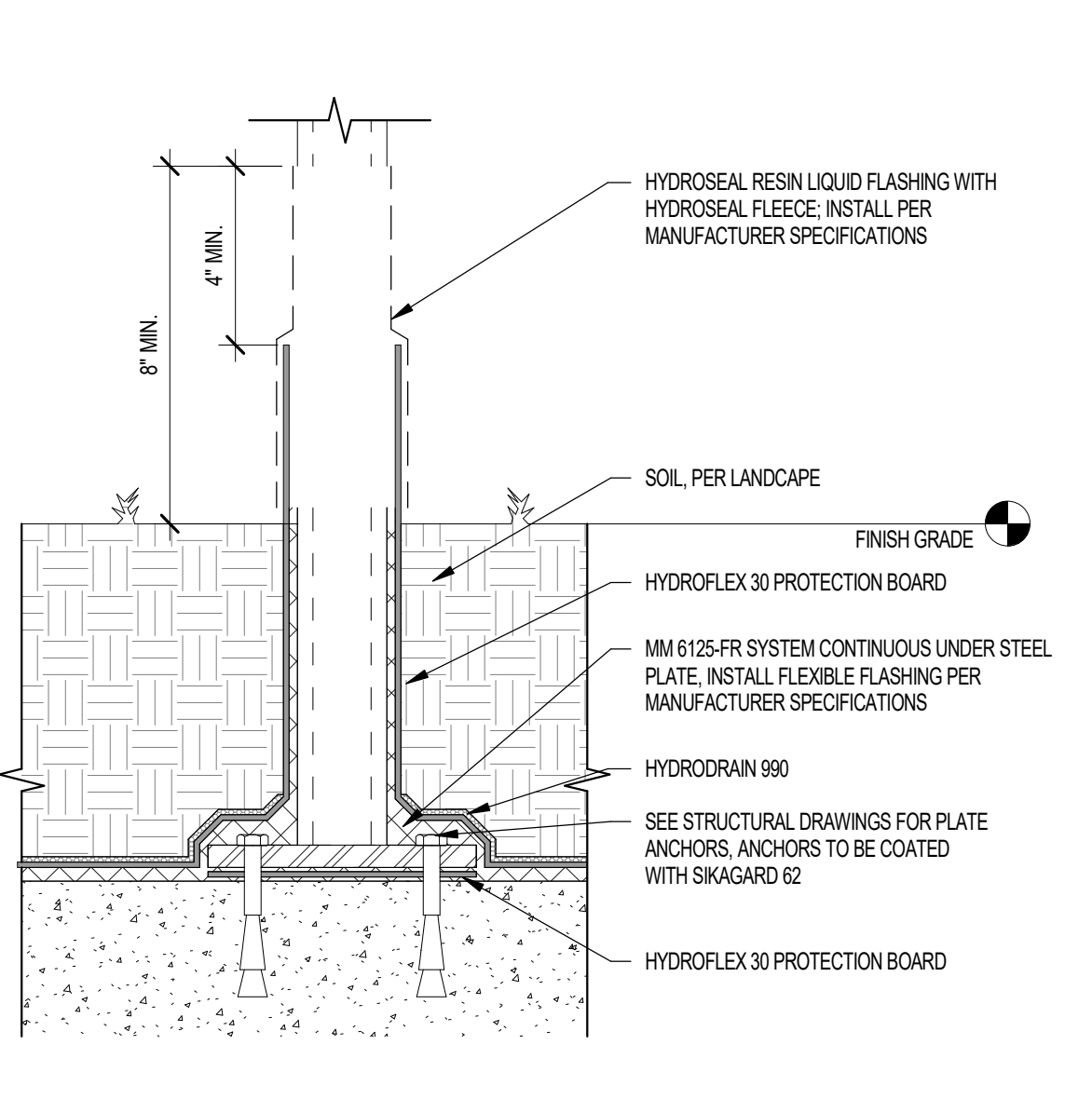
45 PATIO RAILING SCALE: 3" = 1'-0"



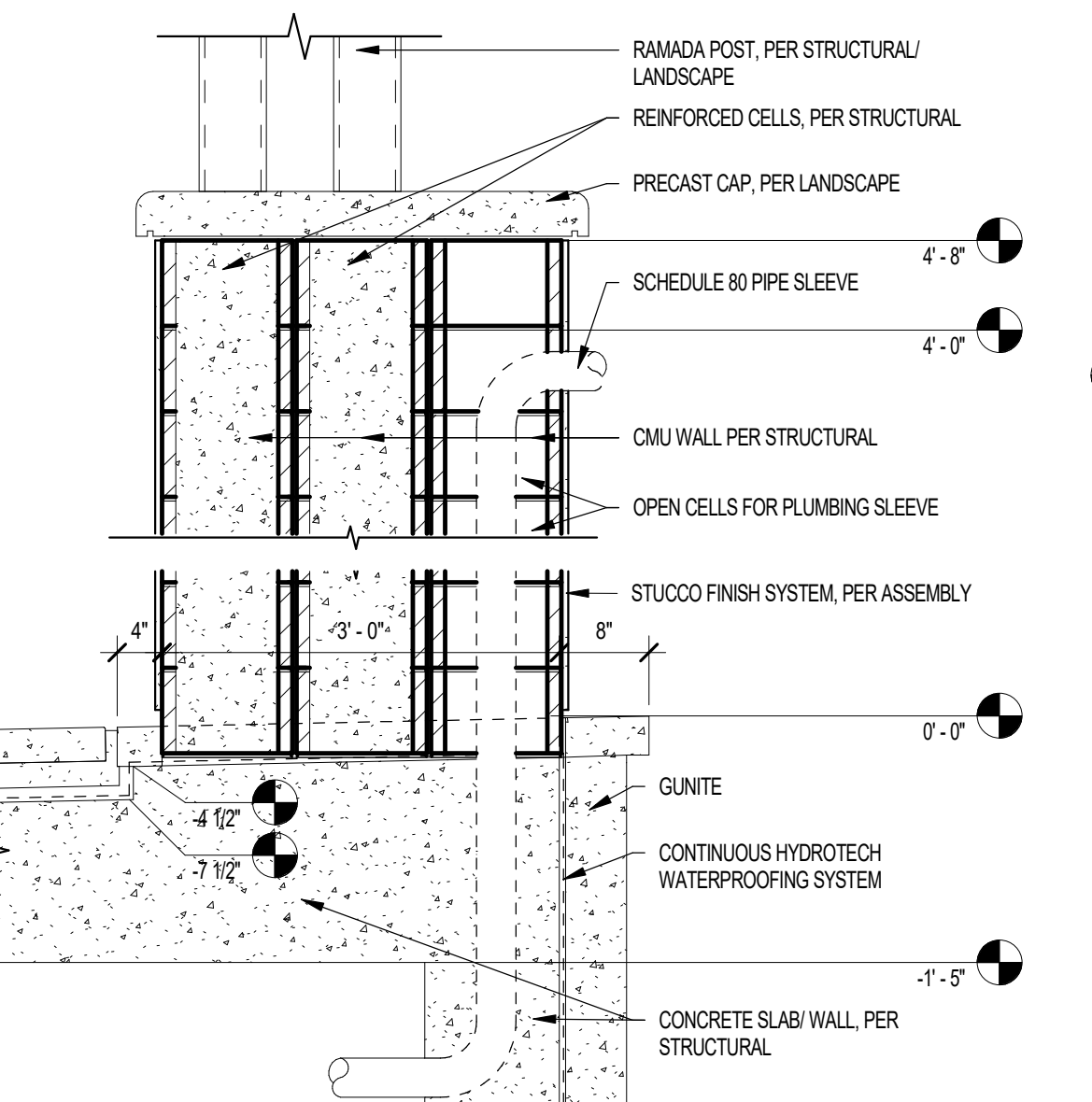
41 COLUMN WATERPROOFING @ PODIUM PAVERS SCALE: 3" = 1'-0"



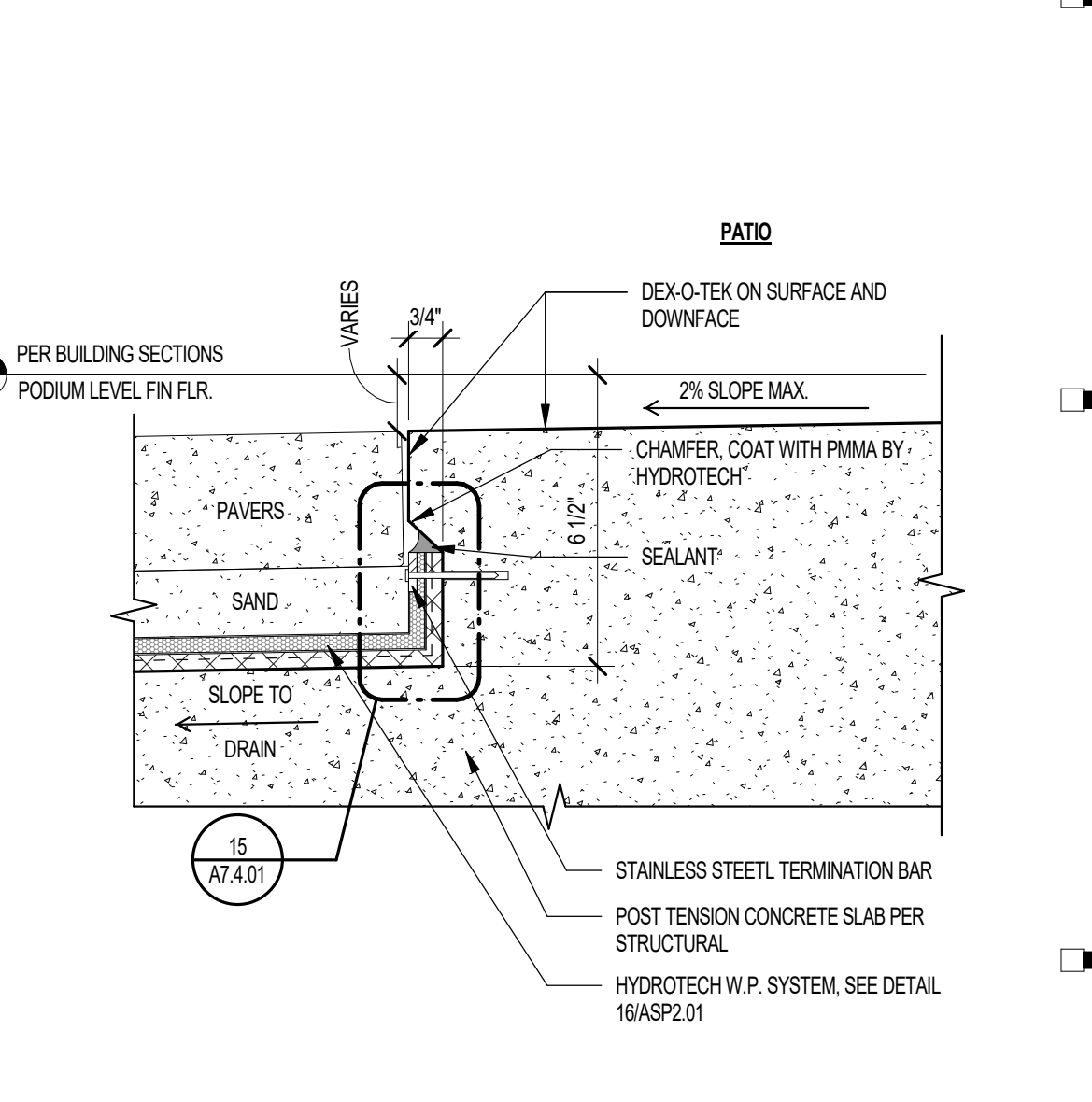
33 STEEL FENCE POSTS AND COLUMN BELOW GRADE SCALE: 3" = 1'-0"



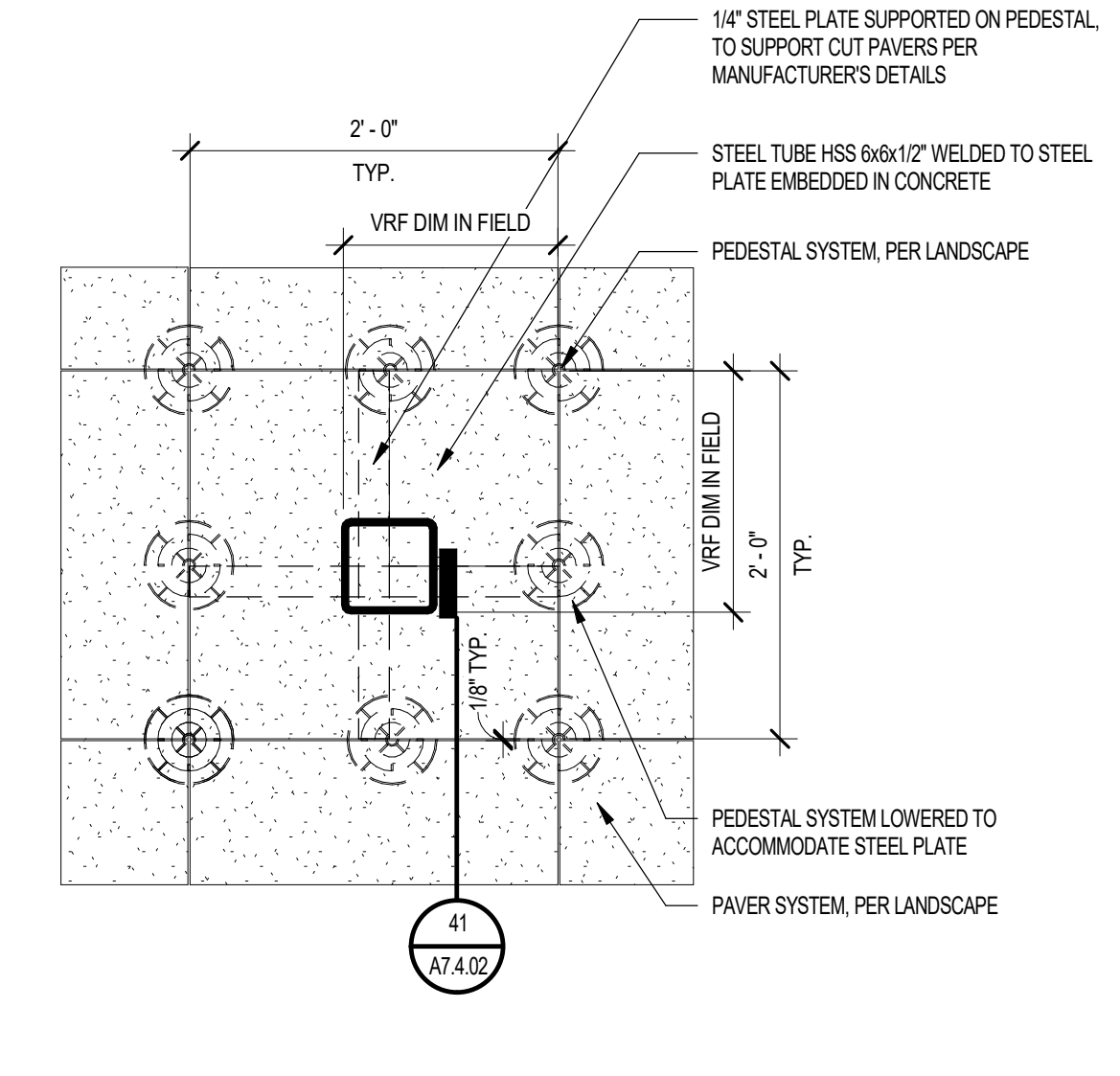
29 CMU COLUMN @ POOL SIDE SCALE: 3/4" = 1'-0"



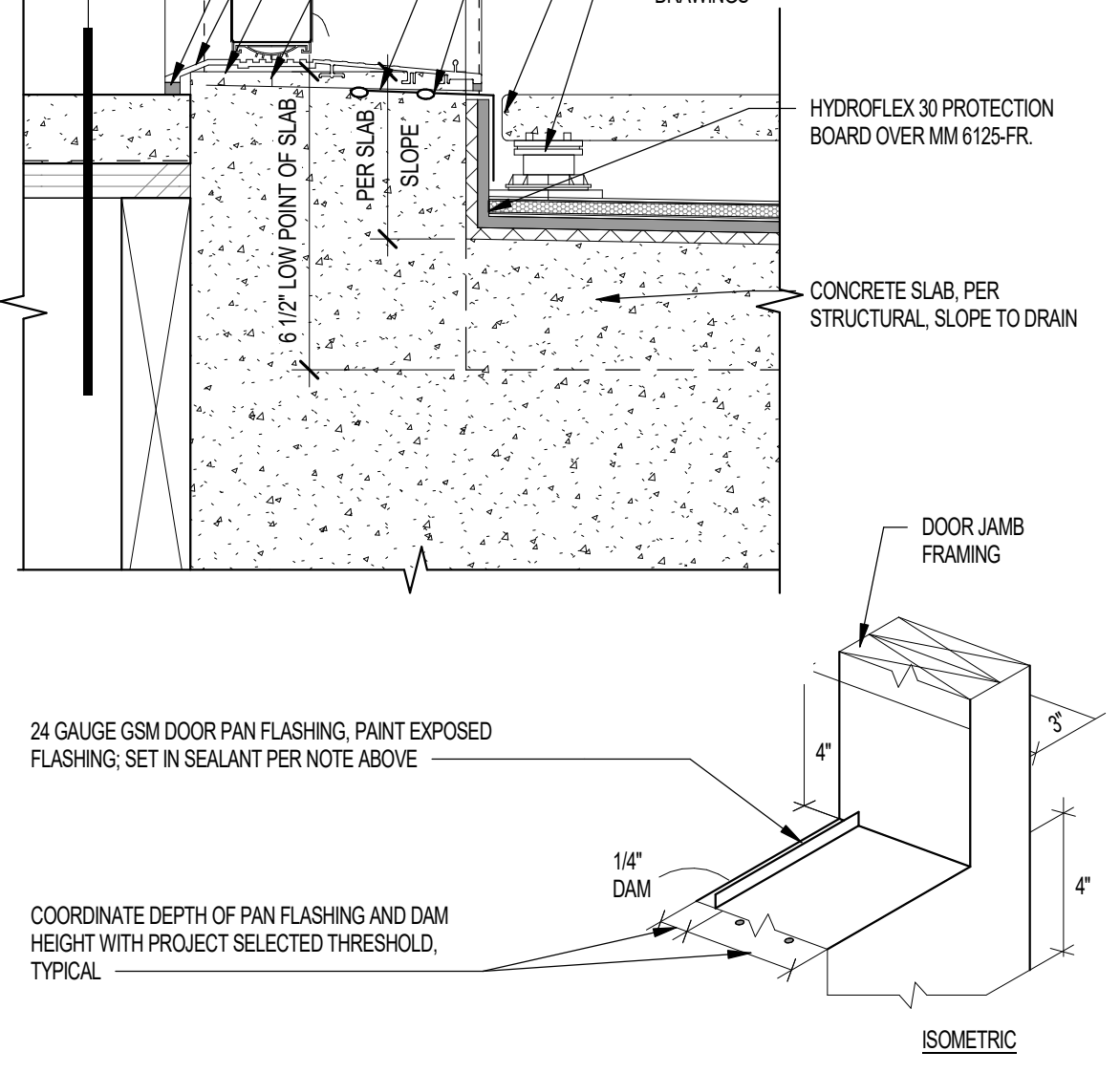
25 PODIUM AT UNIT PATIO WATER PROOFING SCALE: 3" = 1'-0"



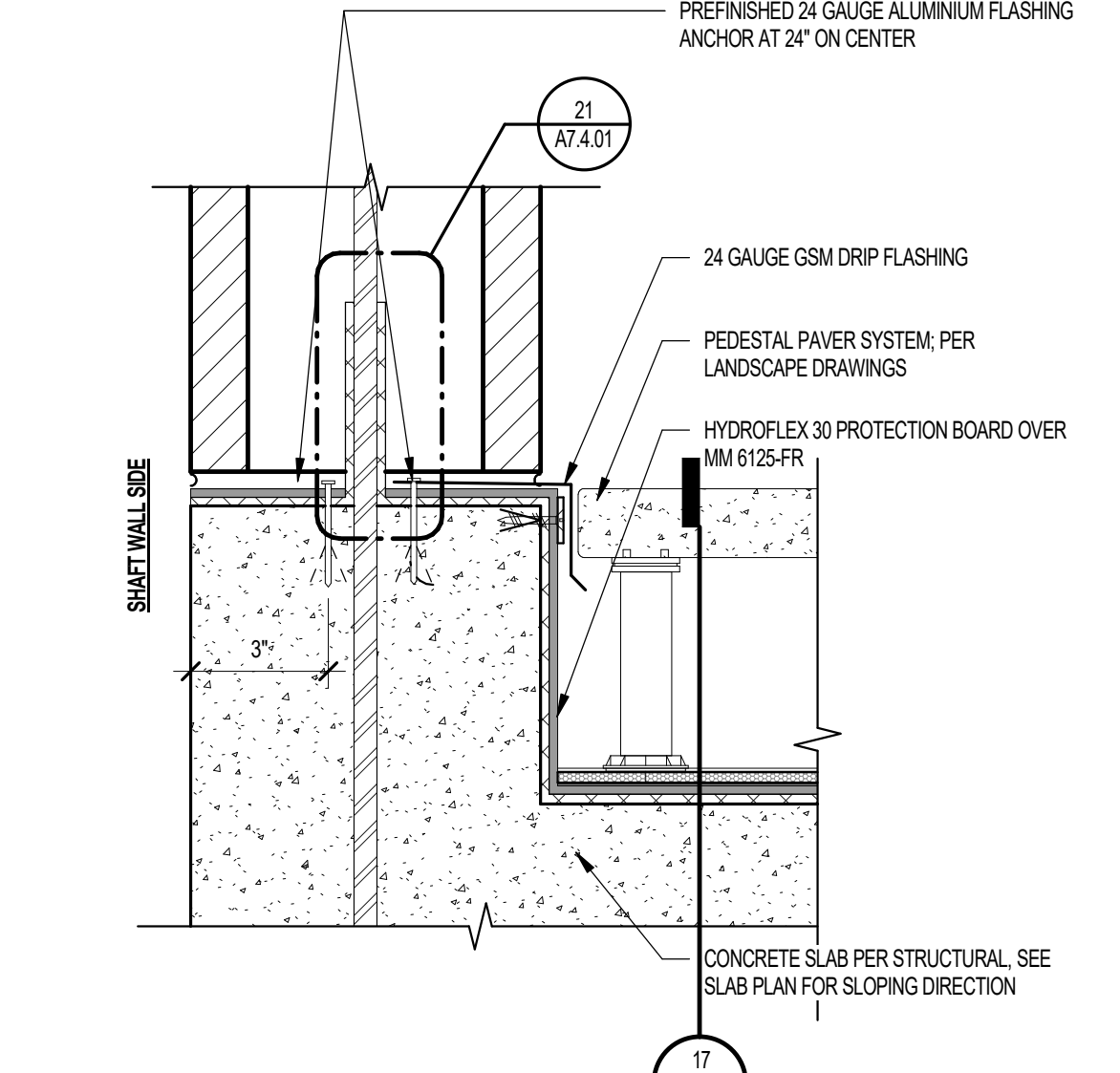
46 EMBEDDED STEEL PLATE WATERPROOFING SCALE: 3" = 1'-0"



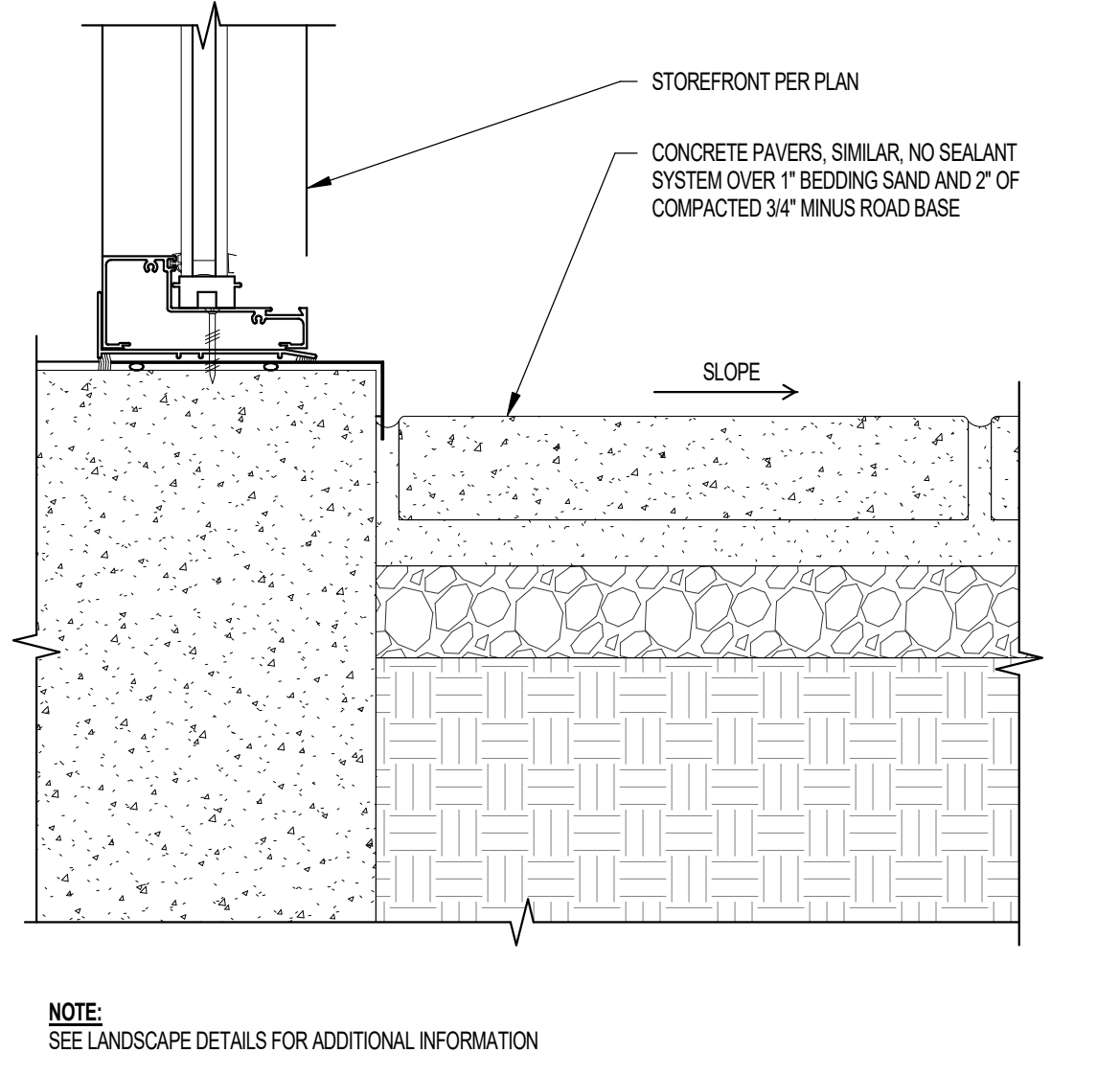
42 PAVER SUPPORT @ STEEL COLUMN ON PODIUM SLAB SCALE: 1" = 1'-0"



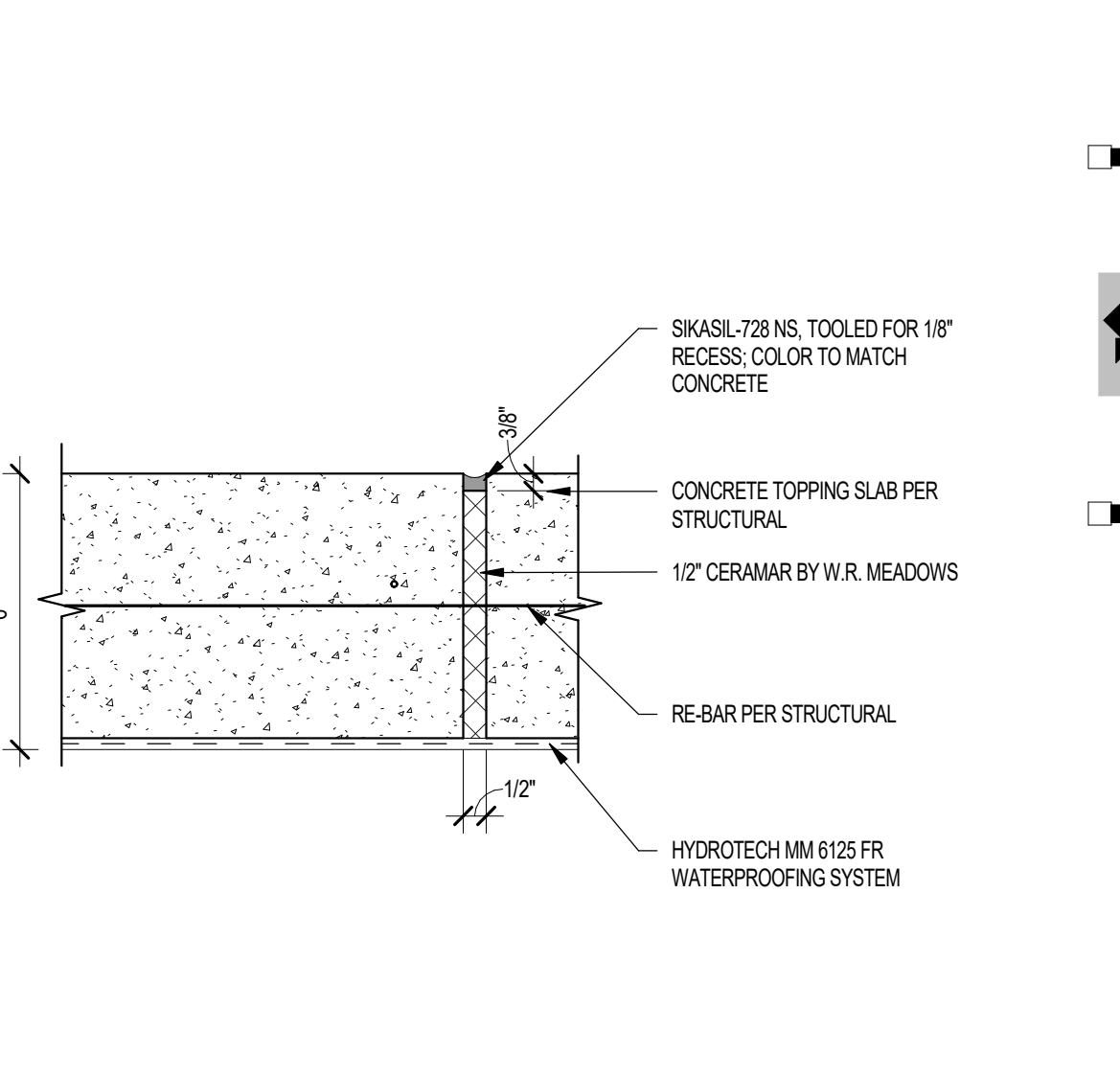
38 DOOR SILL FLASHING @ PODIUM SLAB SCALE: 3" = 1'-0"



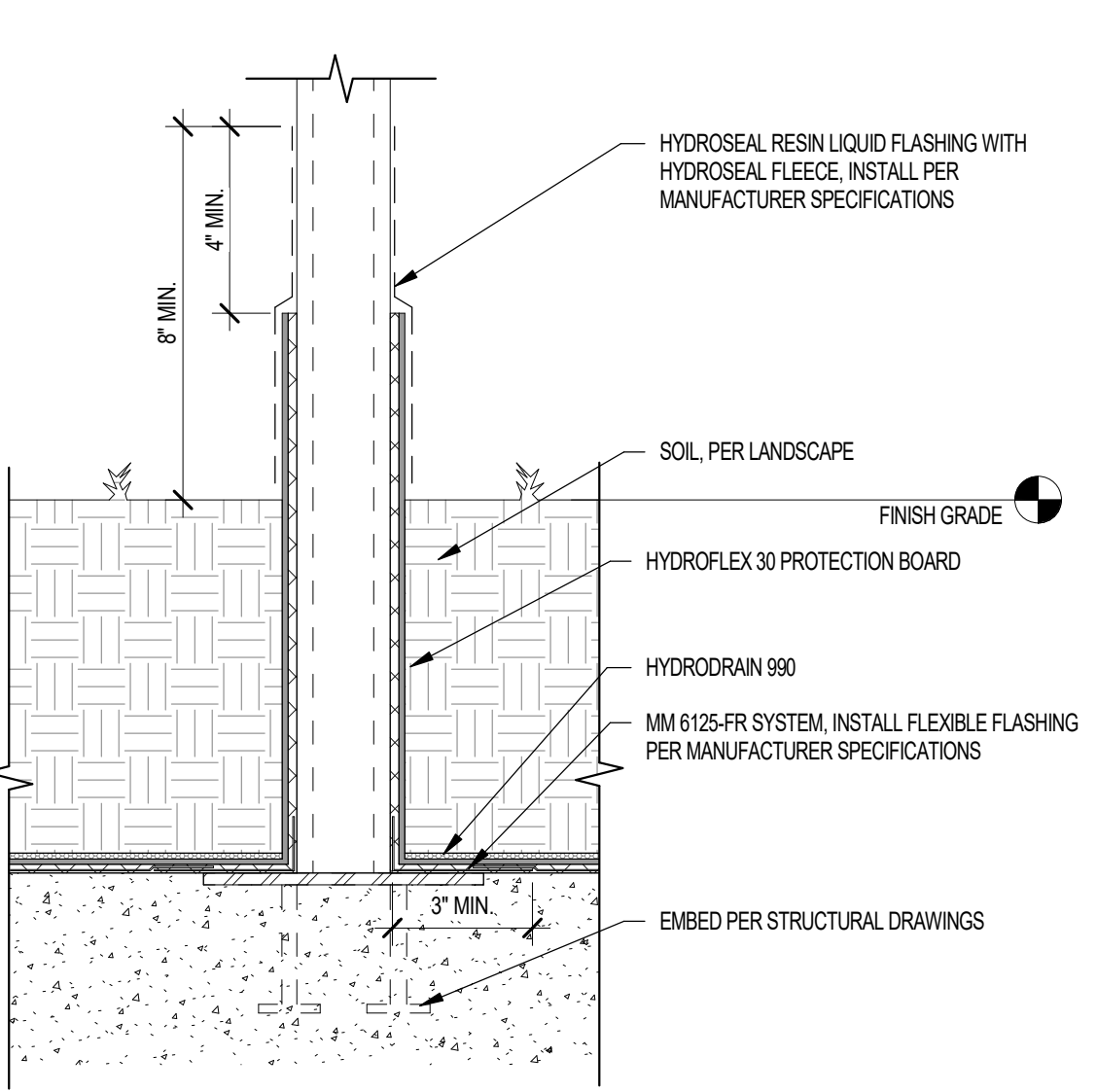
34 CMU WALL AT PAVERS SCALE: 3" = 1'-0"



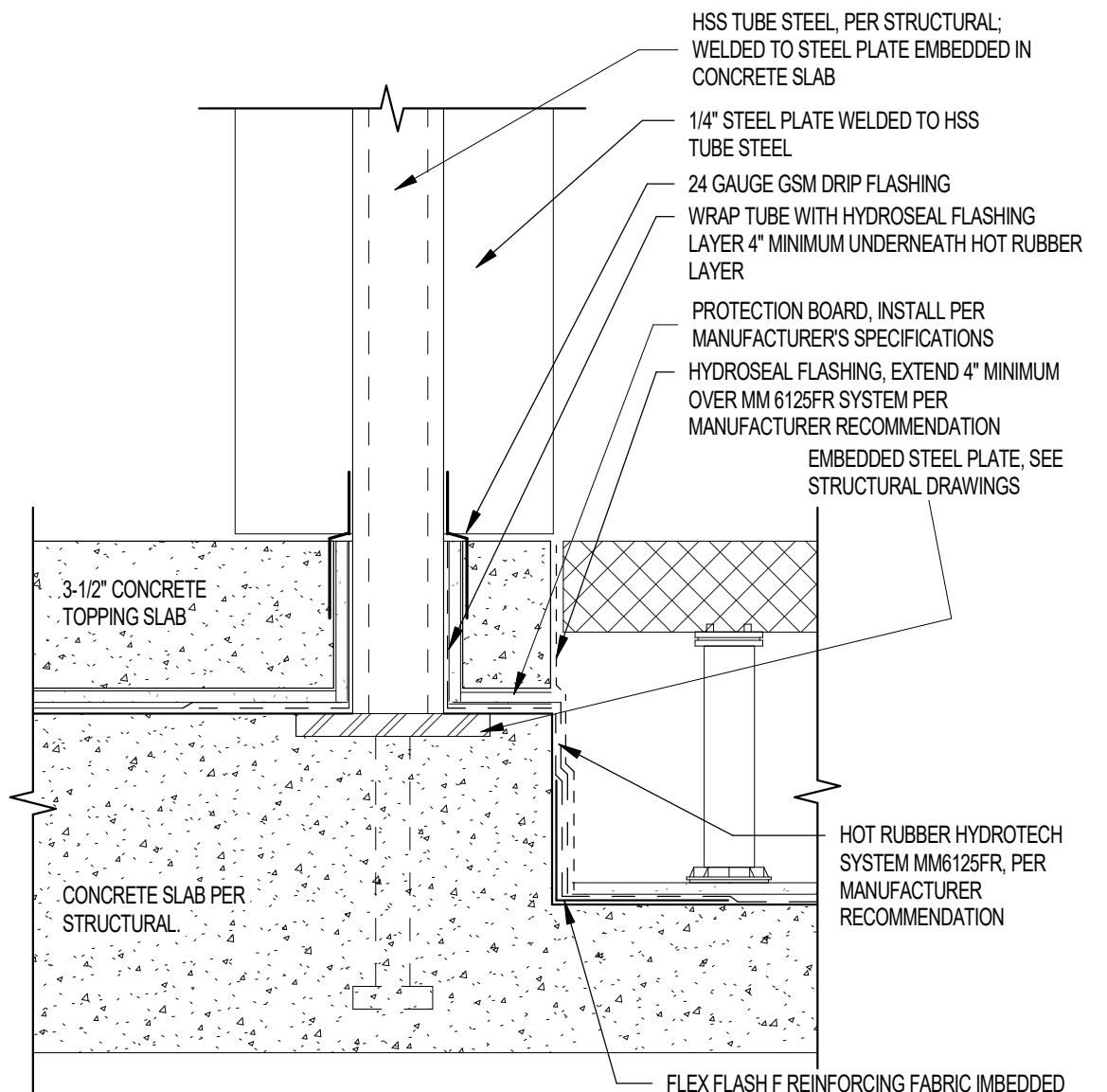
30 PAVERS AT STOREFRONT SCALE: 3" = 1'-0"



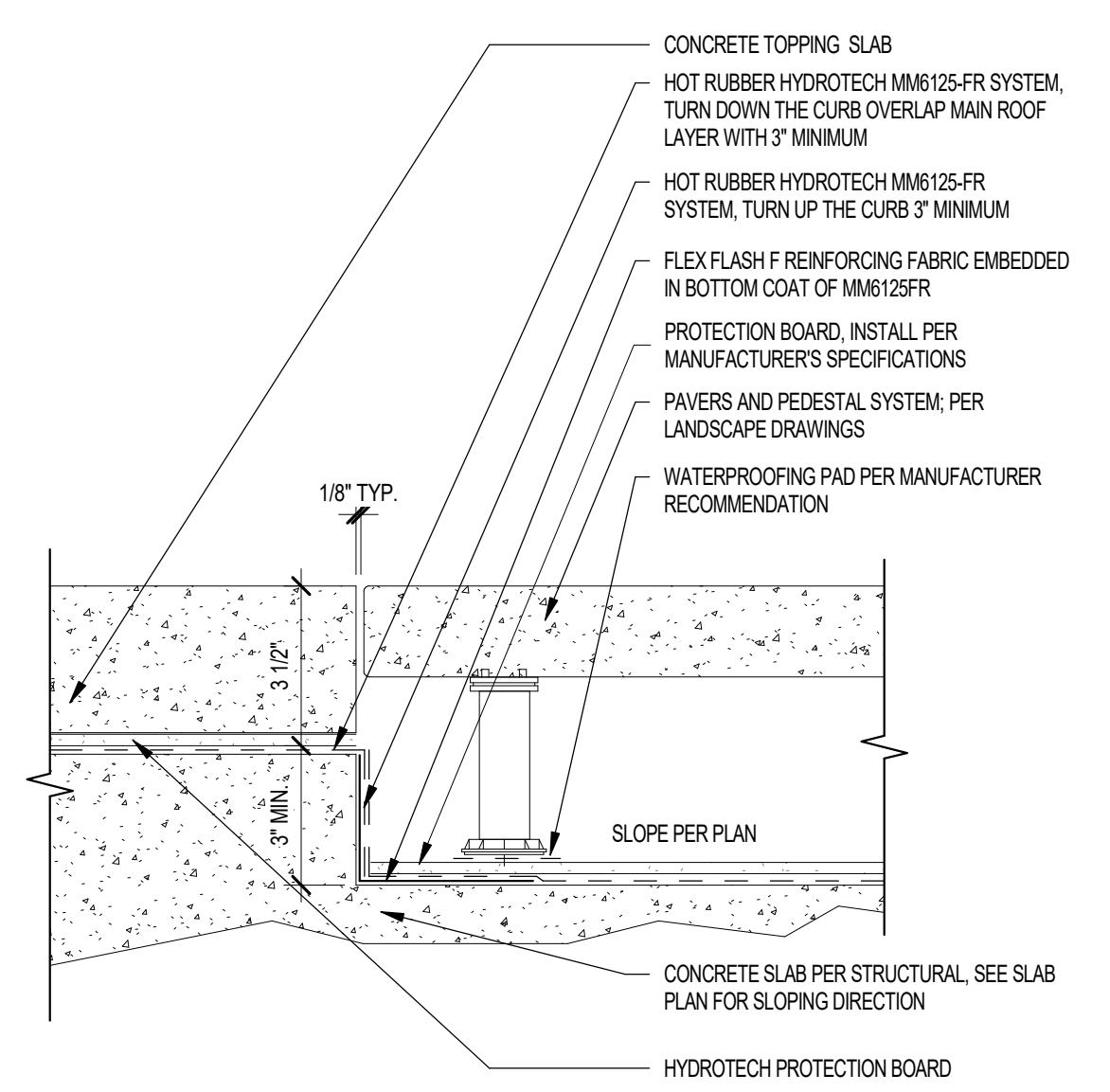
26 SLAB EXPANSION JOINT SCALE: 3" = 1'-0"



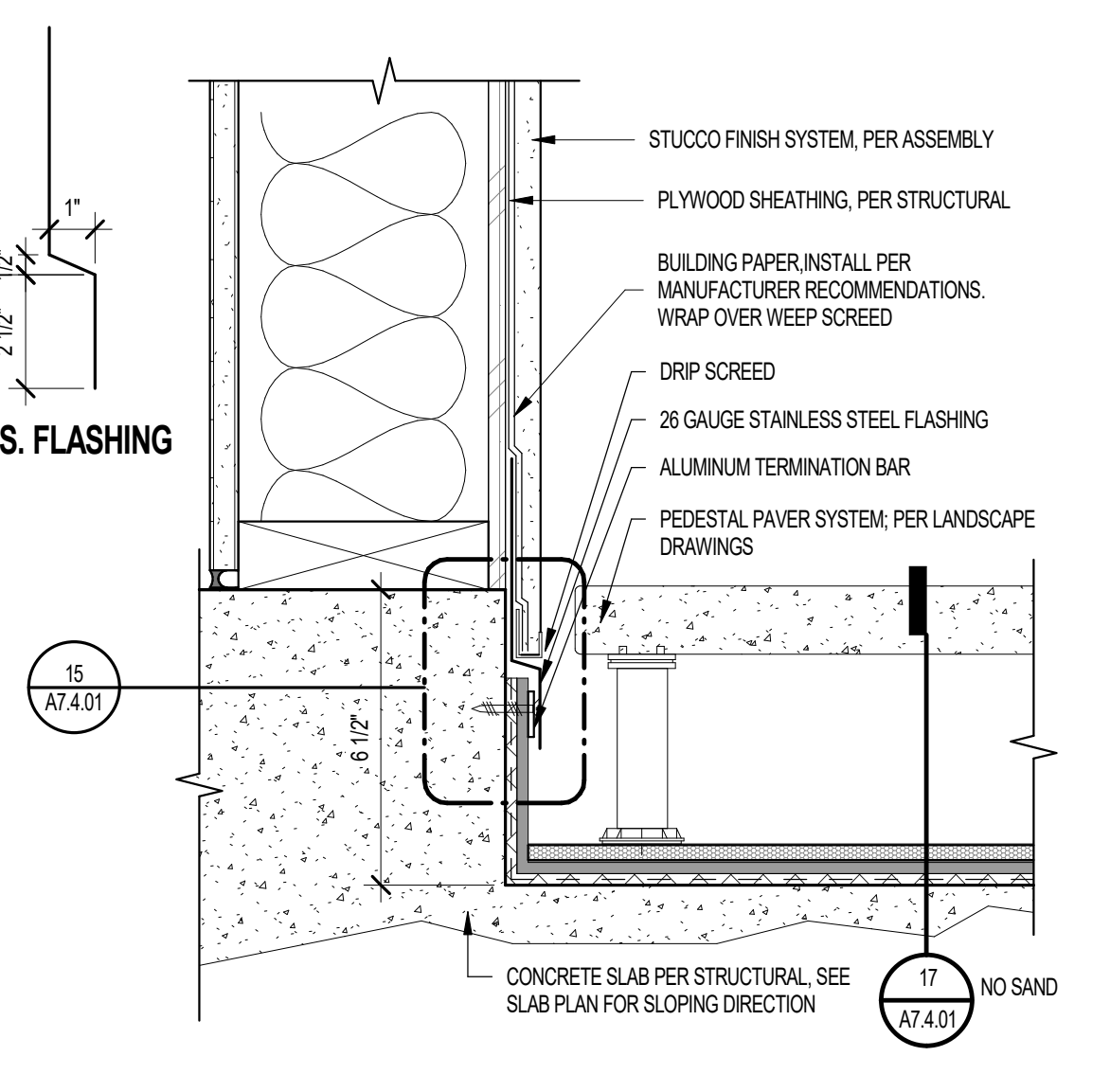
46 EMBEDDED STEEL PLATE WATERPROOFING SCALE: 3" = 1'-0"



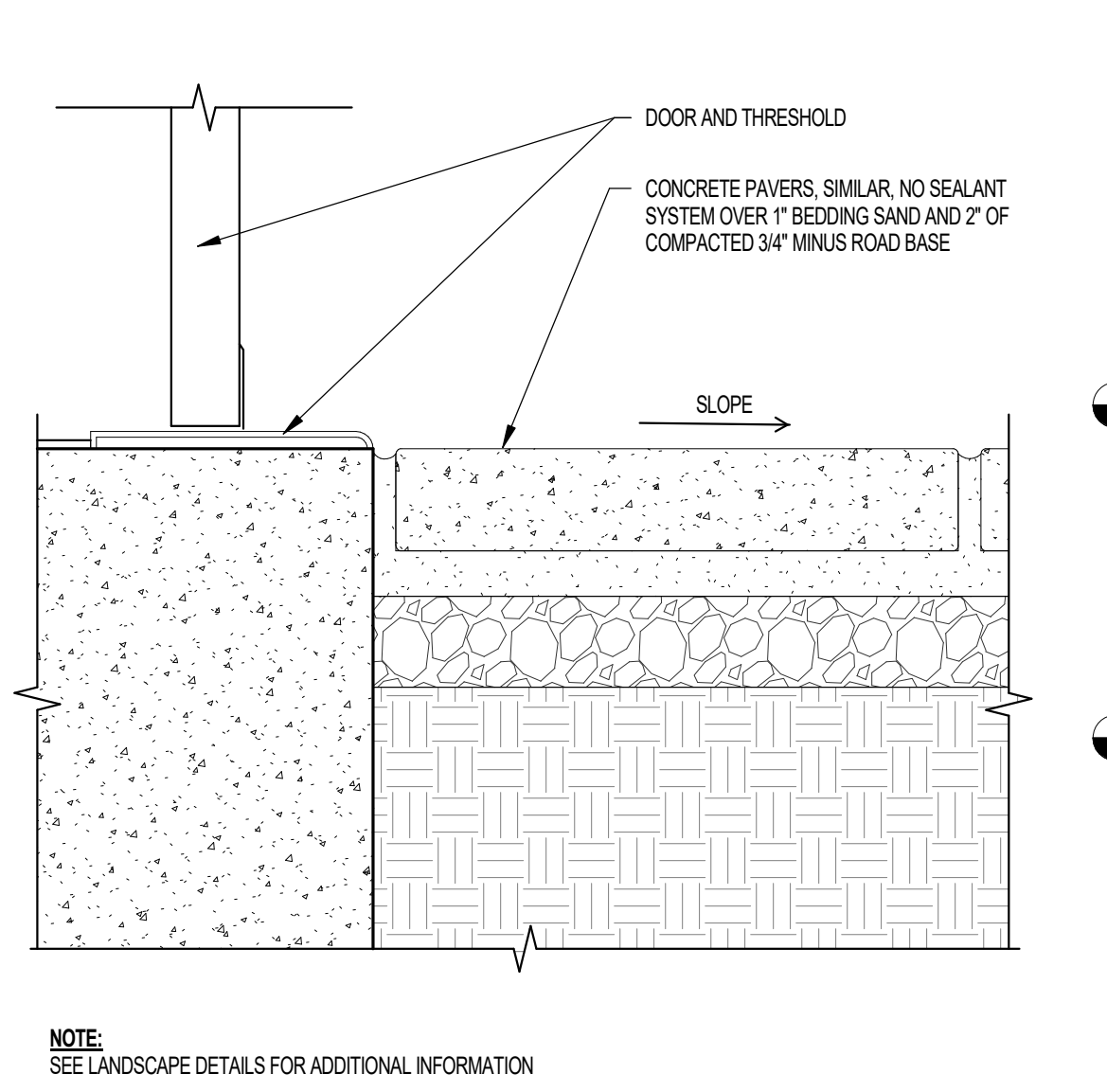
43 STEEL COLUMN - GUARDRAIL ATTACHMENT @ PODIUM SLAB SCALE: 3" = 1'-0"



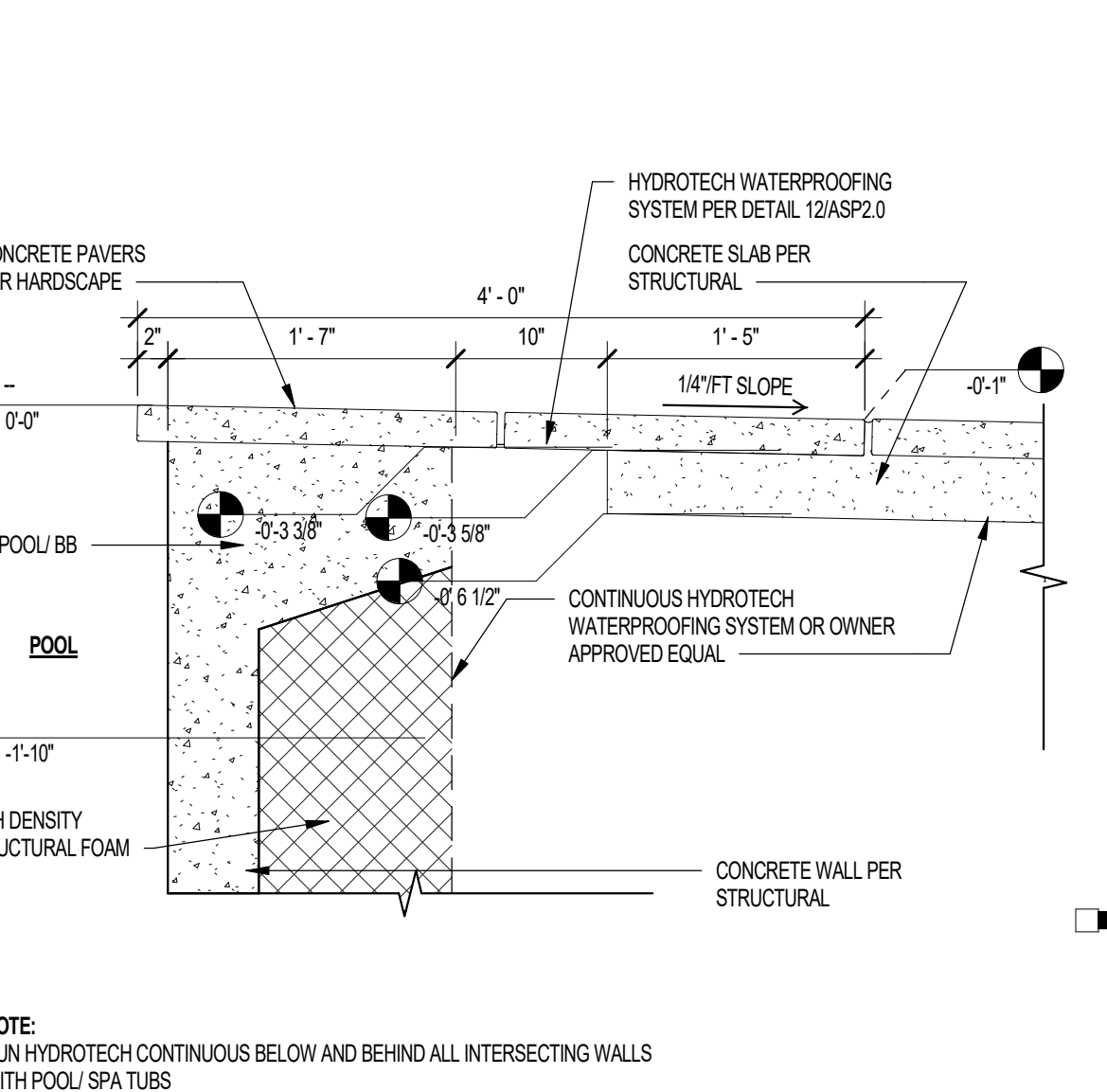
39 PAVERS AT PODIUM SLAB SCALE: 3" = 1'-0"



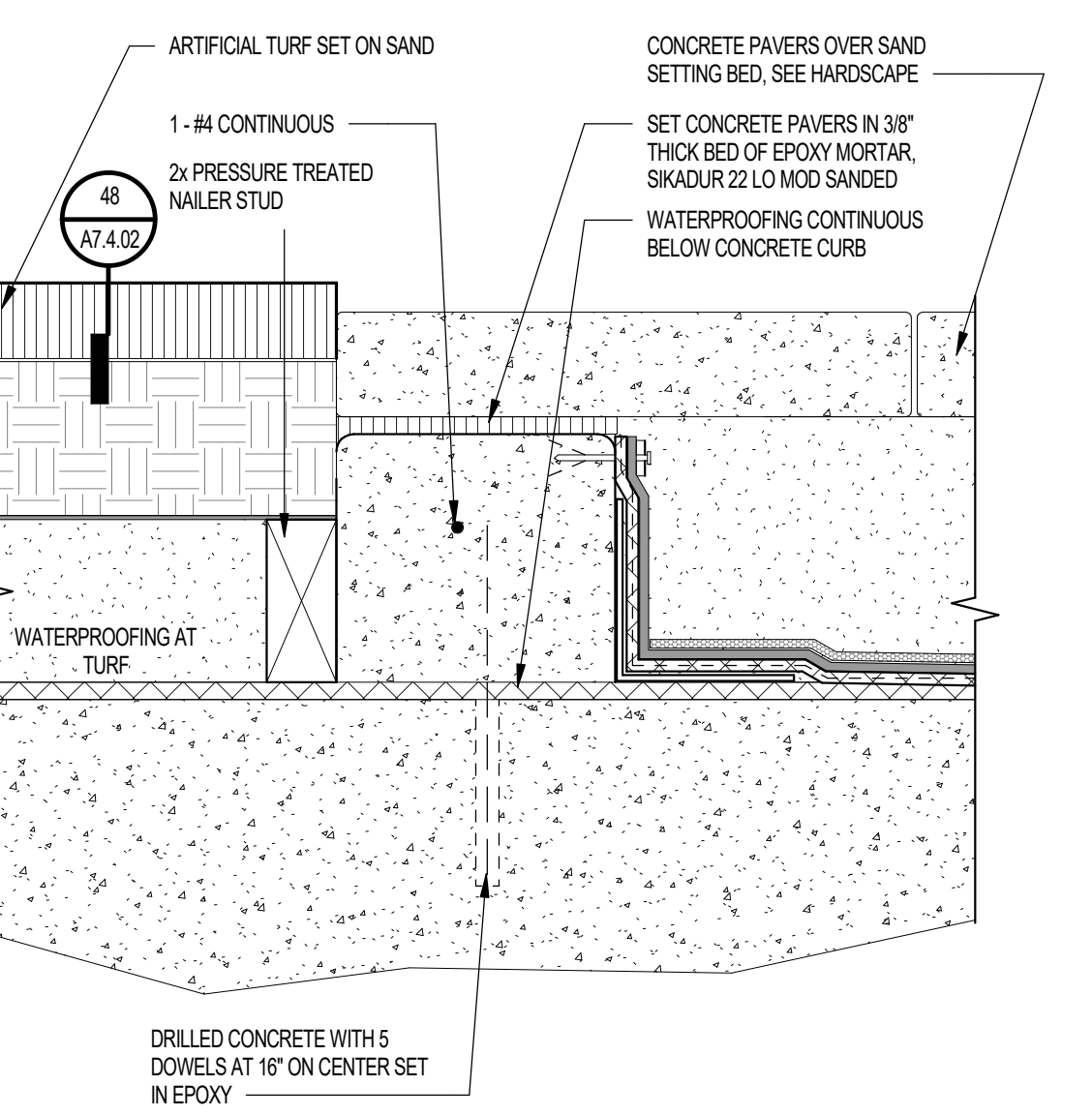
34 CMU WALL AT PAVERS SCALE: 3" = 1'-0"



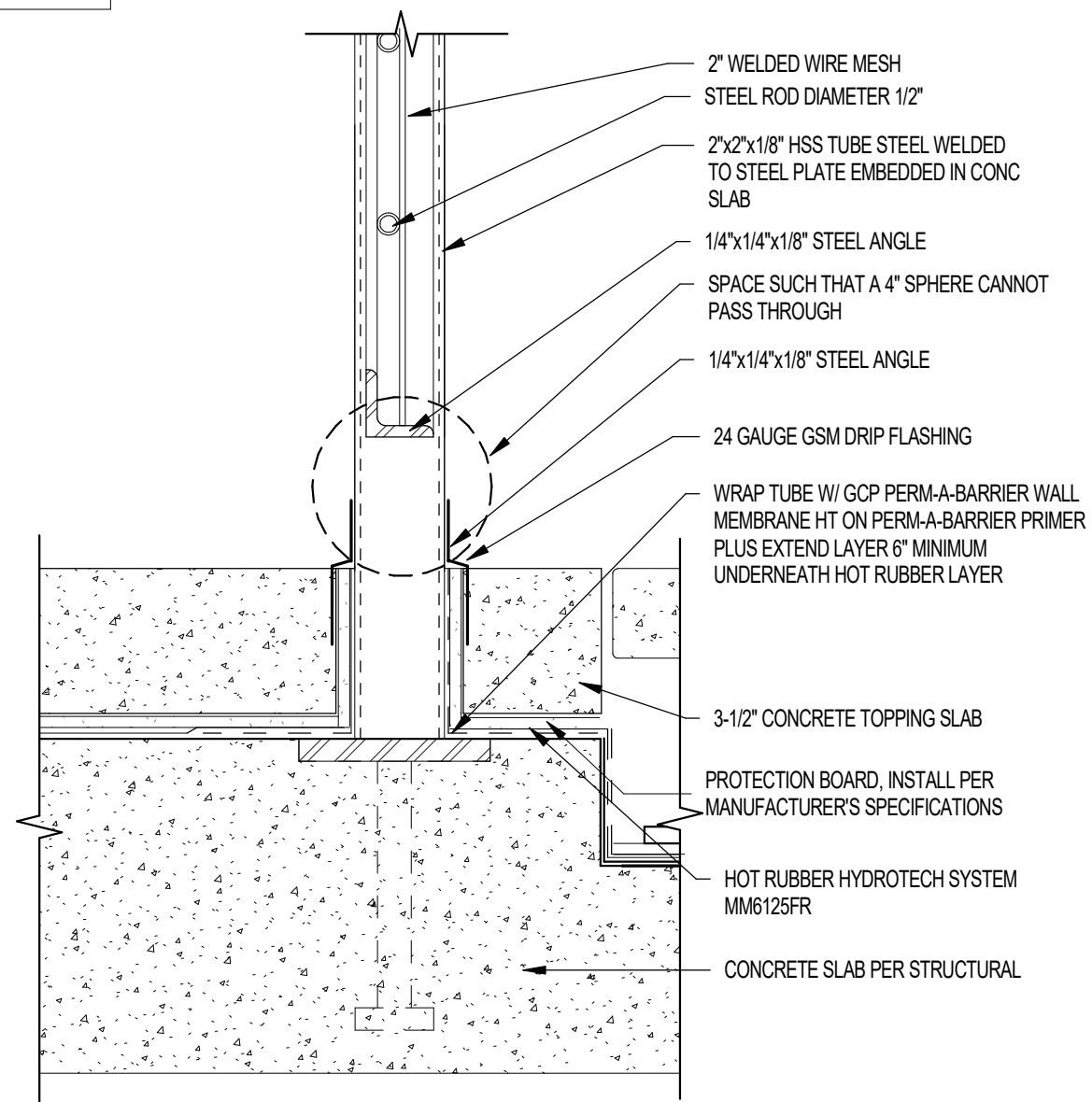
31 PAVERS AT DOORWAY SCALE: 3" = 1'-0"



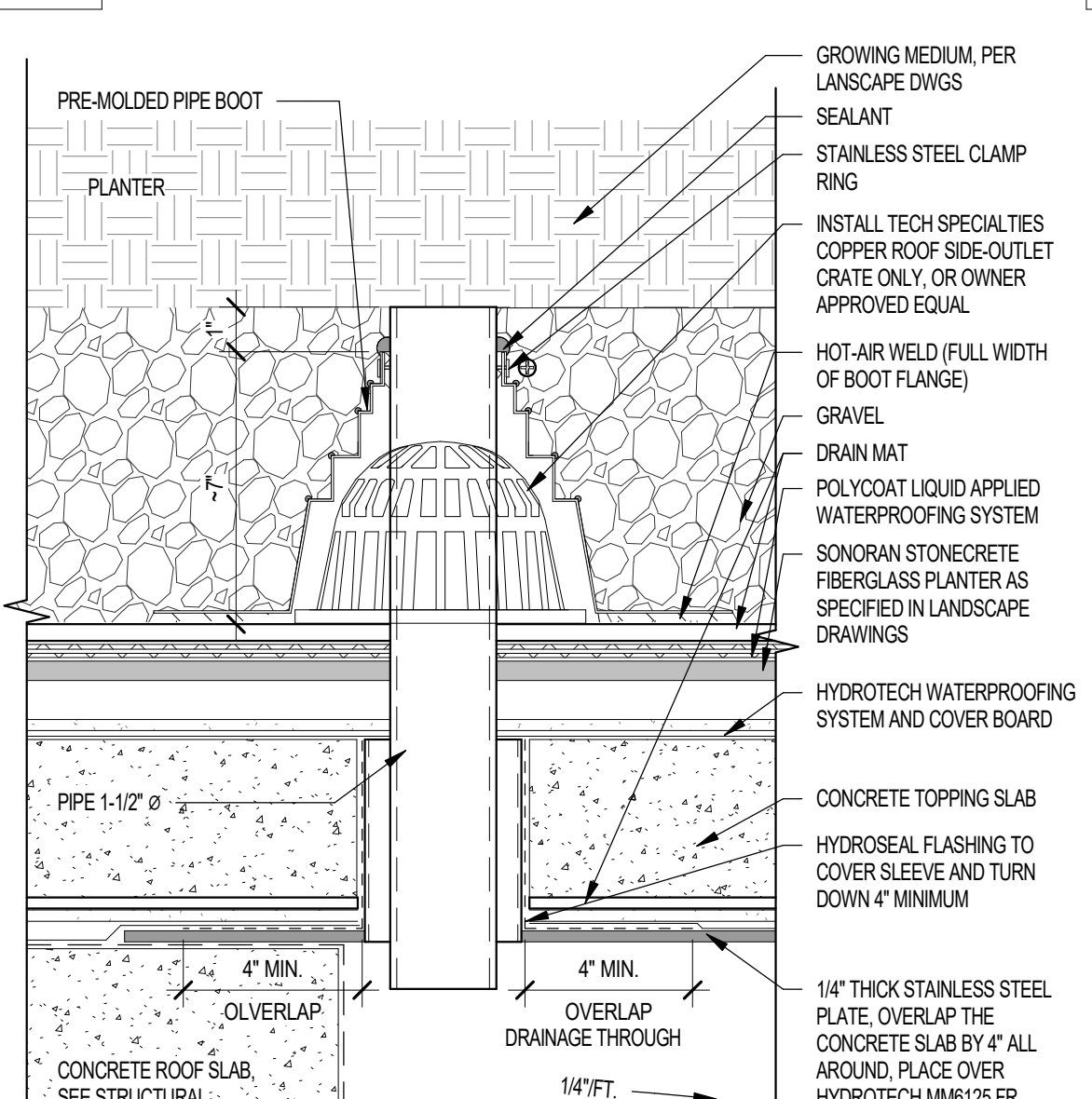
27 POOL EDGE SCALE: 1" = 1'-0"



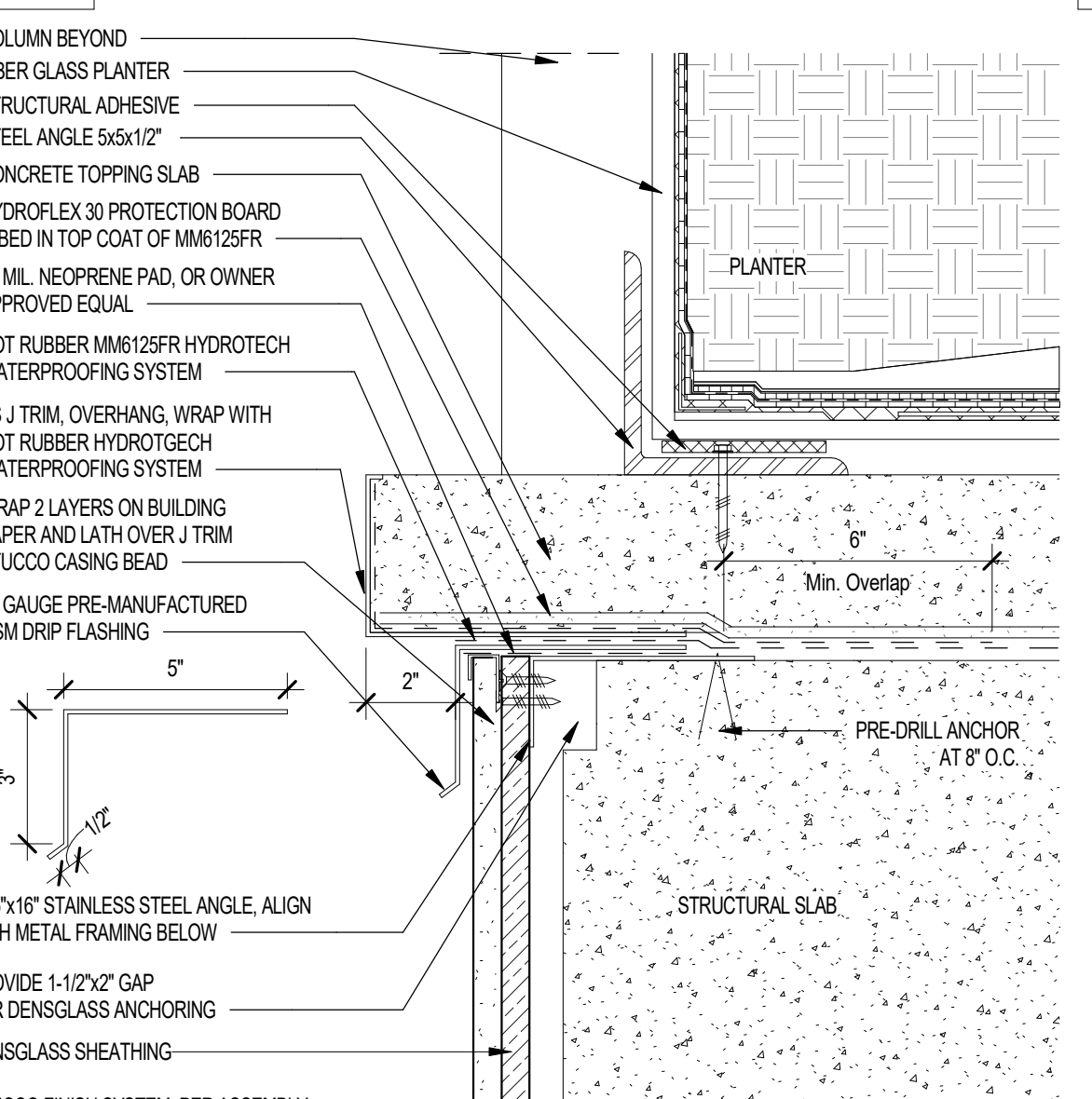
47 CONCRETE CURB AT ARTIFICIAL TURF & PAVERS SCALE: 3" = 1'-0"



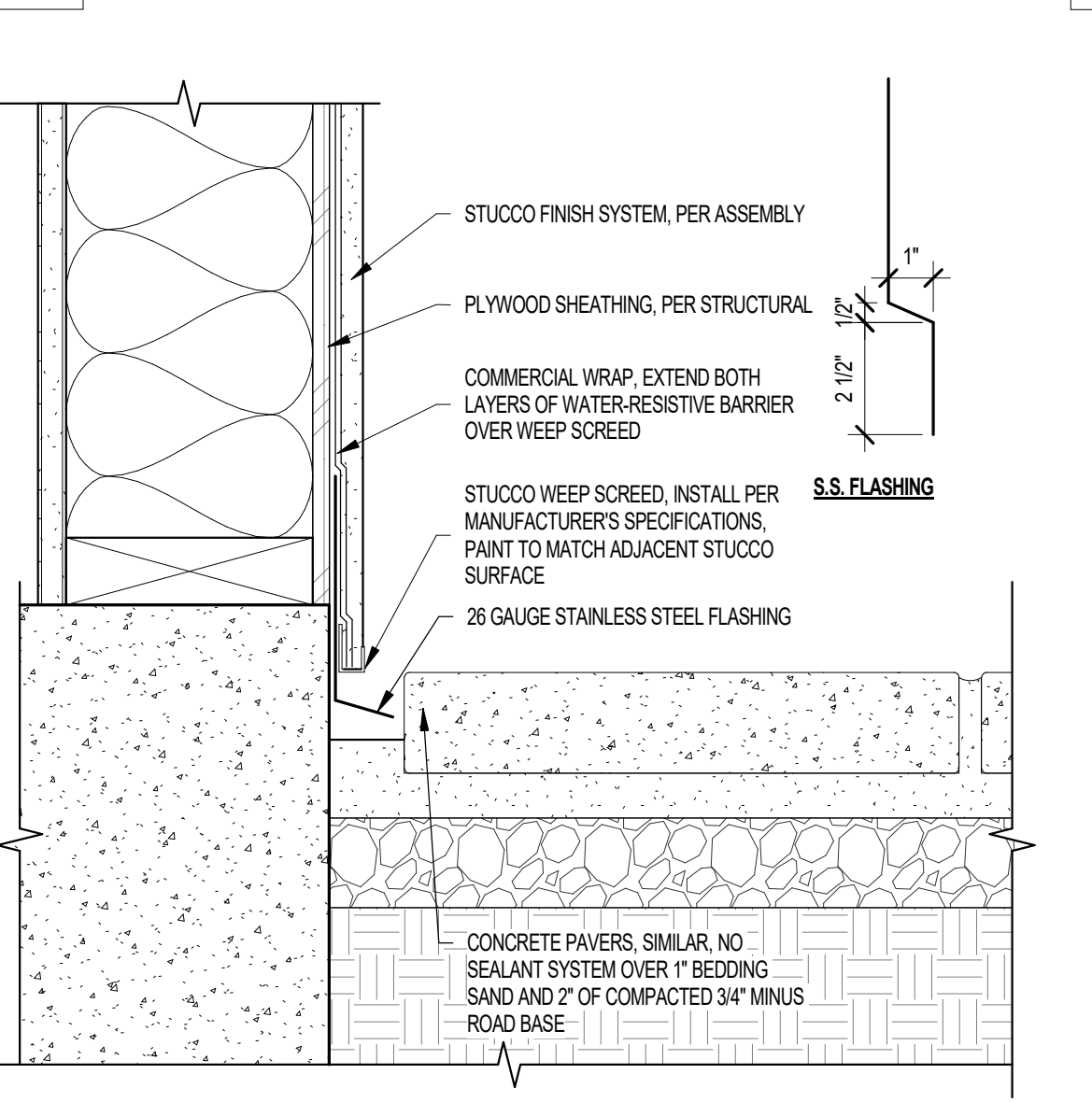
44 GUARDRAIL ATTACHMENT AT PODIUM SLAB SCALE: 3" = 1'-0"



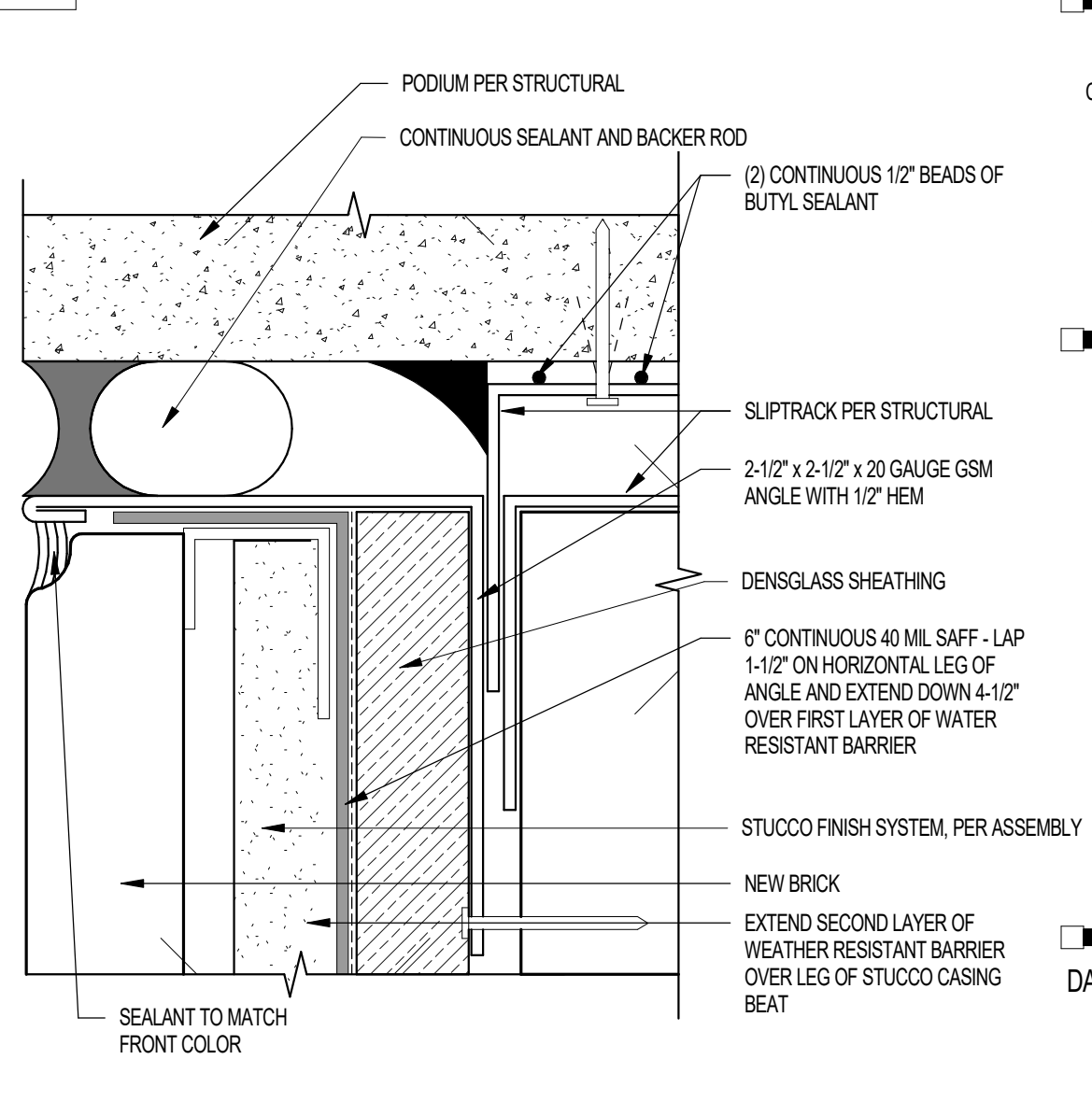
40 DRAINAGE PIPE AT PLANTER SCALE: 3" = 1'-0"



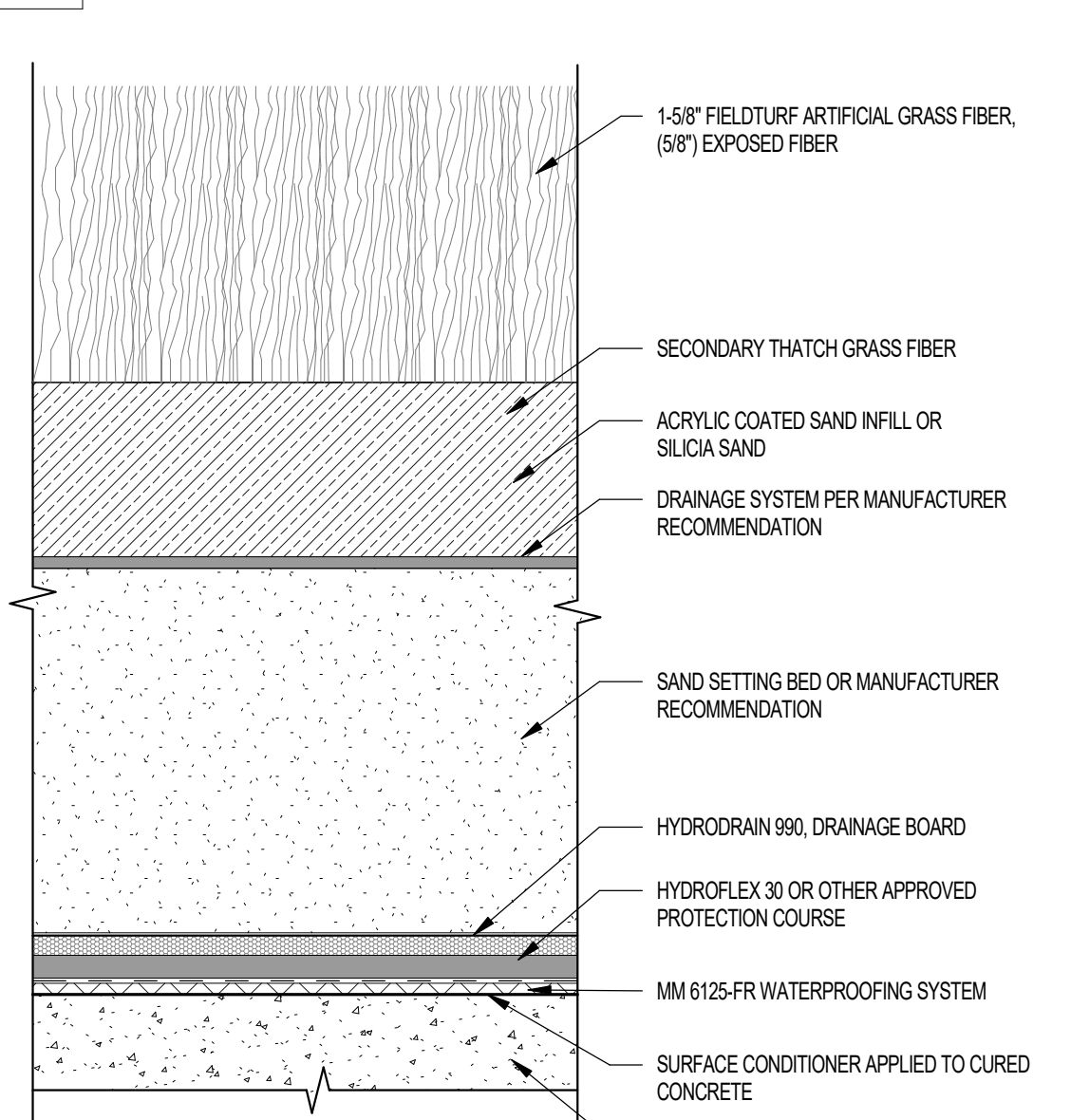
36 PLANTER EDGE AT ROOF DECK SLAB EDGE SCALE: 3" = 1'-0"



32 PAVERS AT WALL BASE SCALE: 3" = 1'-0"



28 JOINT AT DECORATIVE BRICK VENEER WALL SCALE: 12" = 1'-0"



48 WATERPROOFING AT TURF SCALE: 12" = 1'-0"

44 GUARDRAIL ATTACHMENT AT PODIUM SLAB SCALE: 3" = 1'-0"

40 DRAINAGE PIPE AT PLANTER SCALE: 3" = 1'-0"

36 PLANTER EDGE AT ROOF DECK SLAB EDGE SCALE: 3" = 1'-0"

32 PAVERS AT WALL BASE SCALE: 3" = 1'-0"

28 JOINT AT DECORATIVE BRICK VENEER WALL SCALE: 12" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

Office of Rich Barber
ORB
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Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of billing or advance in billing cycle under the following conditions: This contract shall be deemed to be an advance in billing cycle unless the contractor provides written notice of its intent to bill on an alternate basis within 30 days of the date of completion of the work. A written declaration of such intent shall be provided to the project manager or the architect. The contractor shall be deemed to have accepted the project manager's or the architect's decision.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design agent shall provide the written declaration on request.

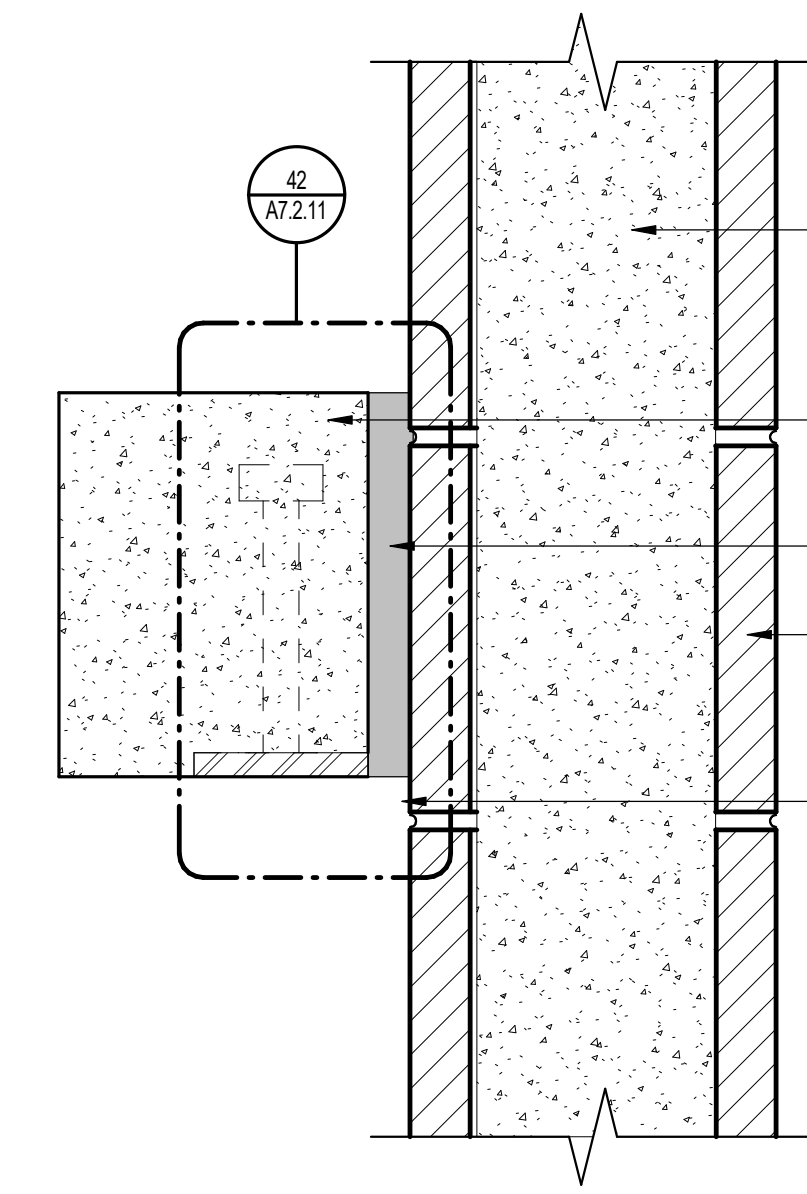
Contractor must verify all dimensions of project before proceeding with this work.

Contractor shall verify all dimensions of project before proceeding with this work.
The drawings and specifications are intended to be read in conjunction with the contract documents. The contractor shall be responsible for obtaining all necessary permits and licenses for the project. The contractor shall be responsible for obtaining all necessary permits and licenses for the project. The contractor shall be responsible for obtaining all necessary permits and licenses for the project.

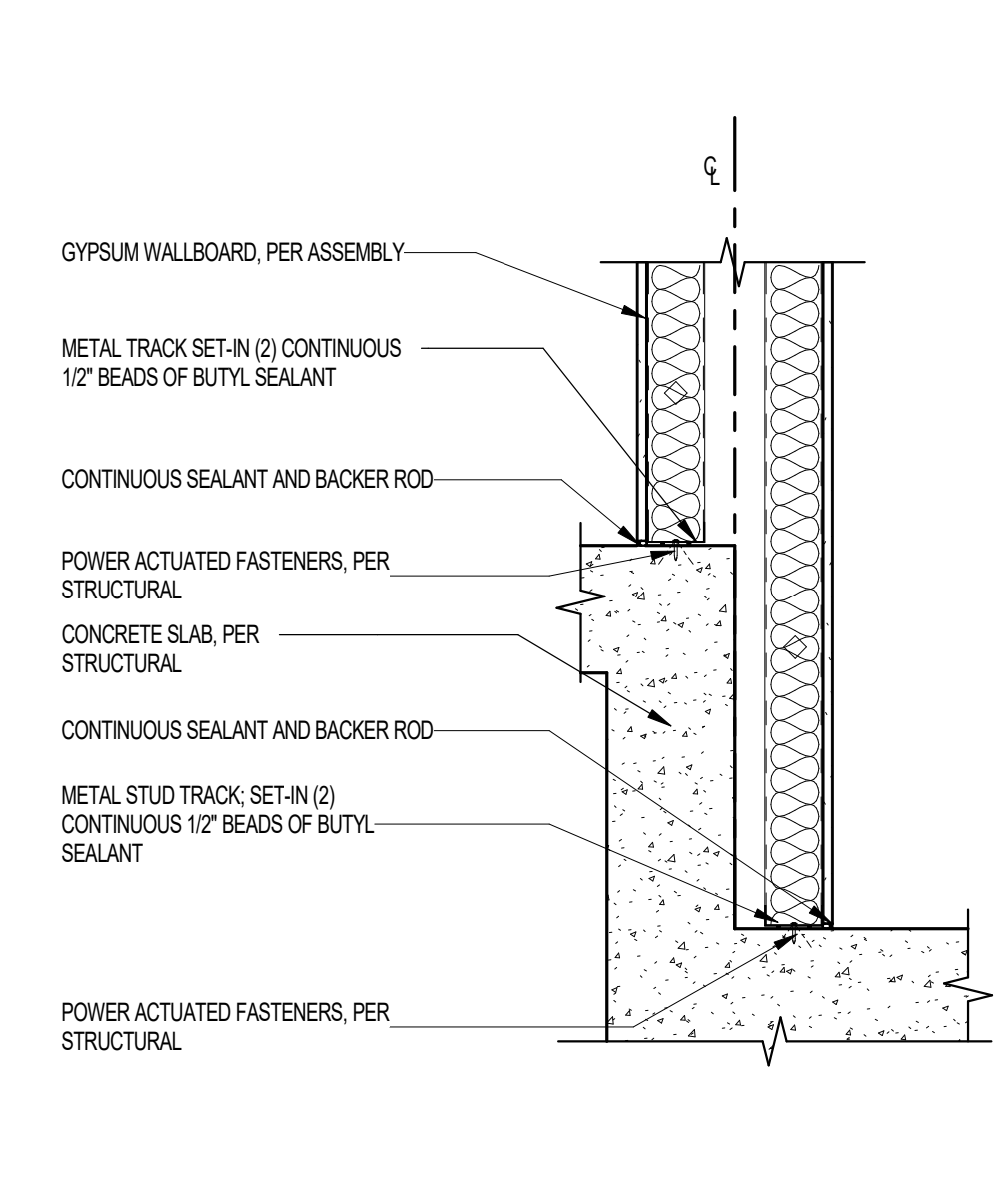
REVISIONS/SUBMITTALS	DATE	DESCRIPTION

1ST BUILDING SUBMITTAL
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

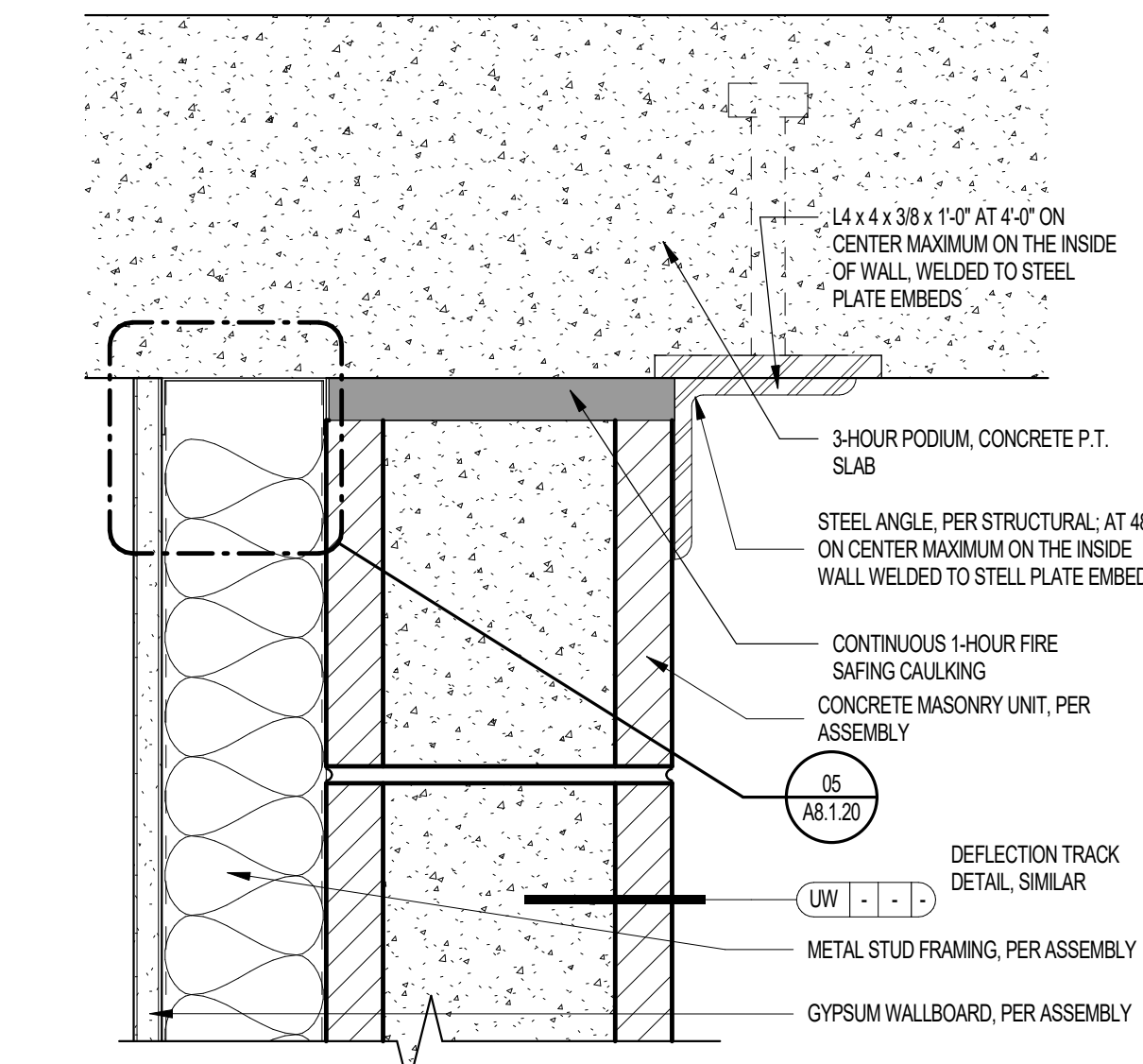
A7.4.02
SLAB PLAN DETAILS



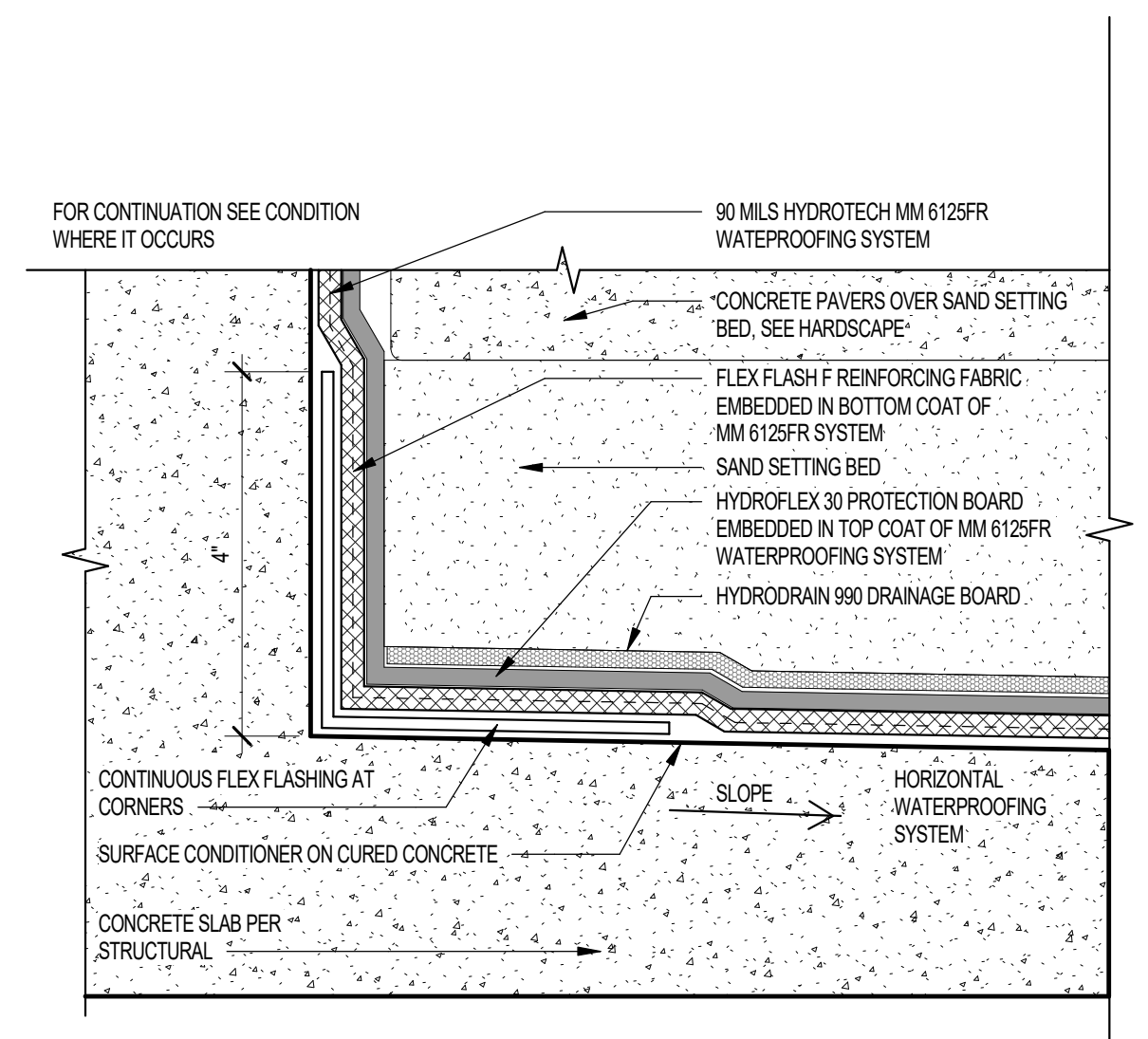
53 CONCRETE SLAB AT CMU WALL SCALE: 3" = 1'-0"



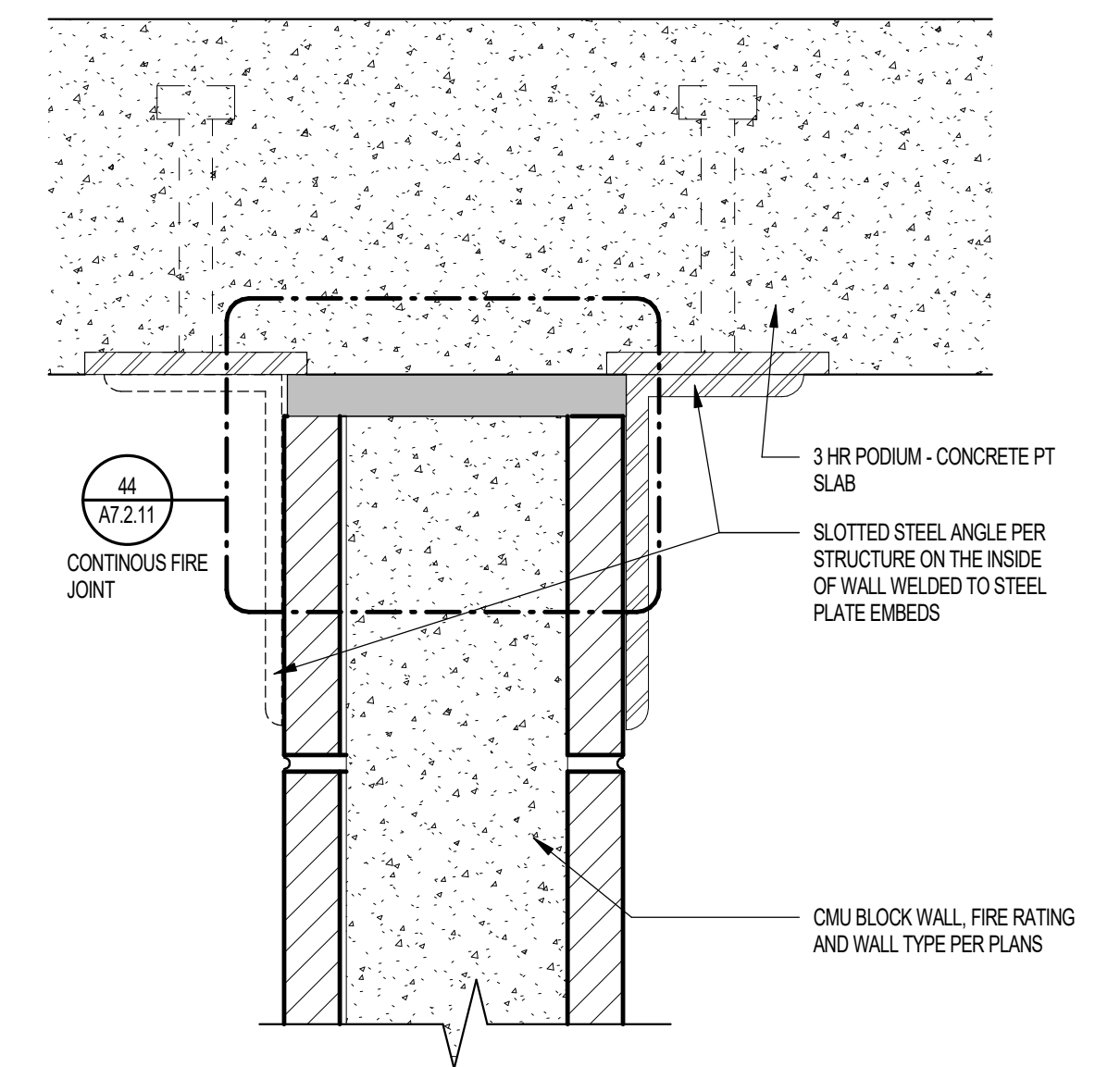
49 1-HR UNIT SEPARATION WALL AT SLAB STEP SCALE: 1" = 1'-0"



50 CMU WALL TERMINATION @ CONCRETE SLAB SCALE: 3" = 1'-0"



51 WATERPROOFING AT CONCRETE SLAB STEP SCALE: 6" = 1'-0"



52 CMU DEFLECTION JOINT @ CONCRETE SLAB SCALE: 3" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

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ORB
Architecture, LLC

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CONSTRUCTION**



Notice of alternate billing (or payment) cycle
This contract allows (they allow) the owner to request the admission of billing or advances in billing outside the bill cycle. This contract shall allow the owner to make payment on an alternate schedule after certification and approval of billing and estimates. A further discussion of such other billing and/or cycle options is the property of the architect and shall remain the architect's confidential information.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

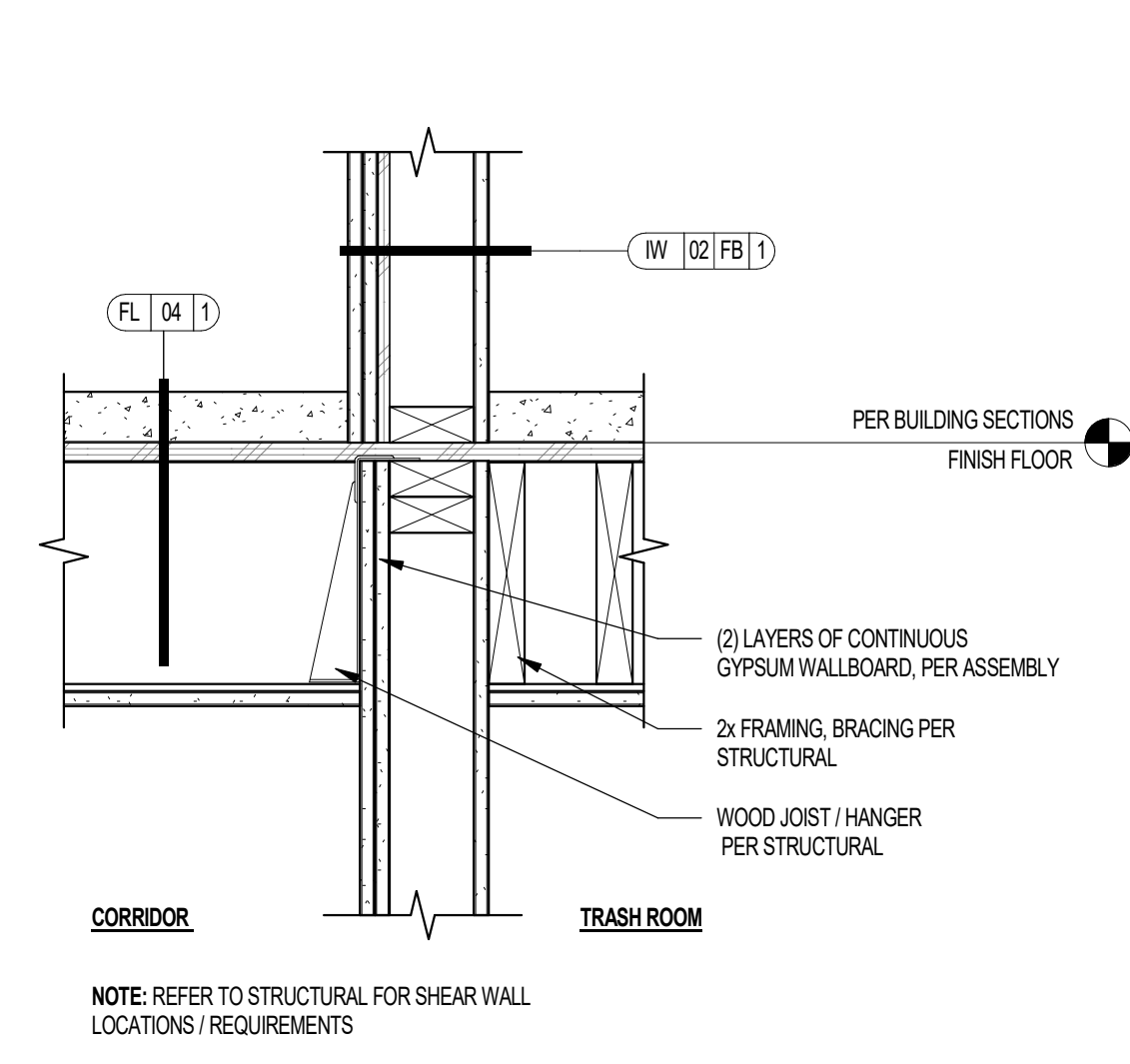
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications shall not be used for any other project, for addition to this project or for completion of this project by other means without the expressed written permission of the Architect.

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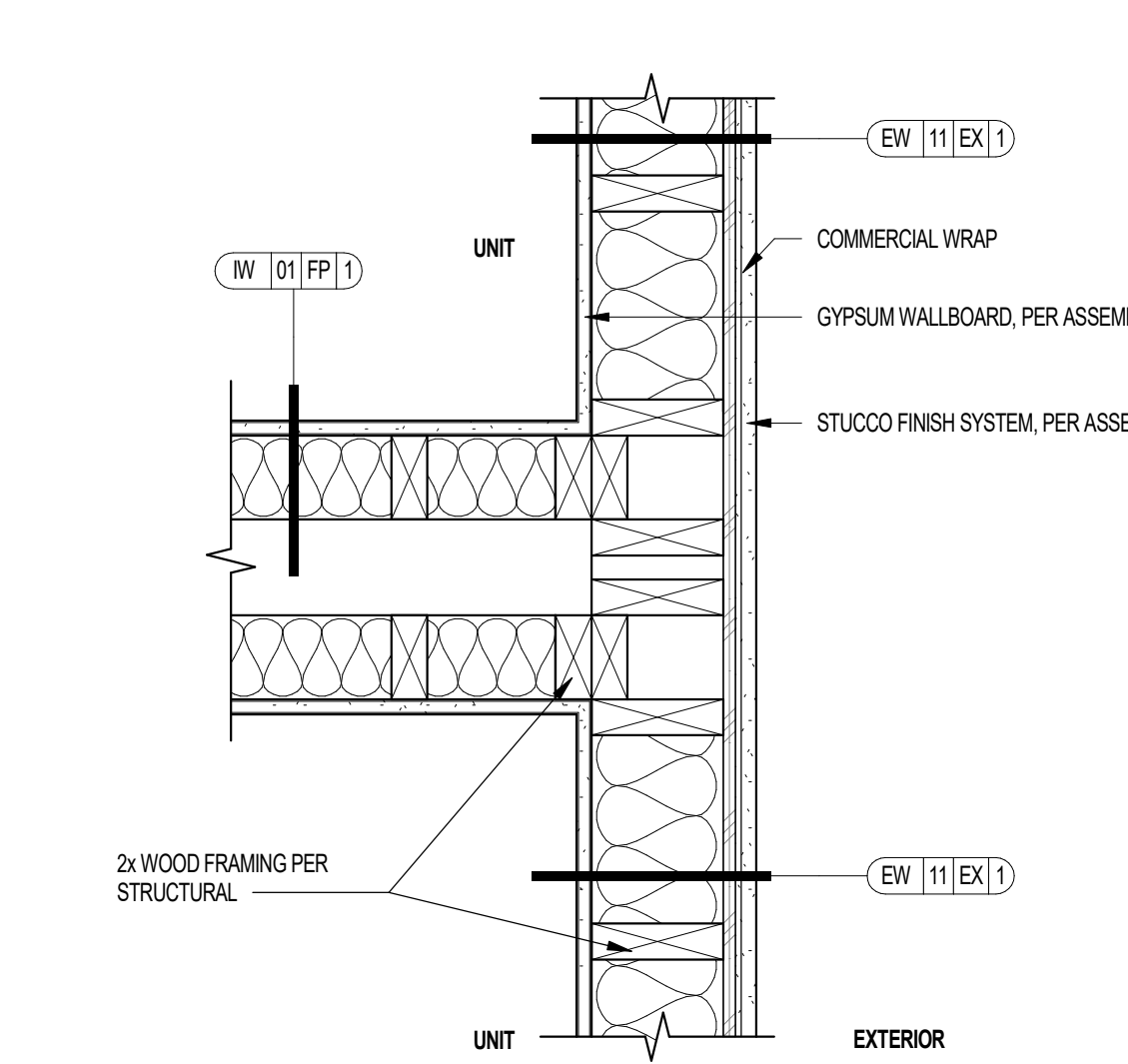
REVISIONS / SUBMITTALS	
DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

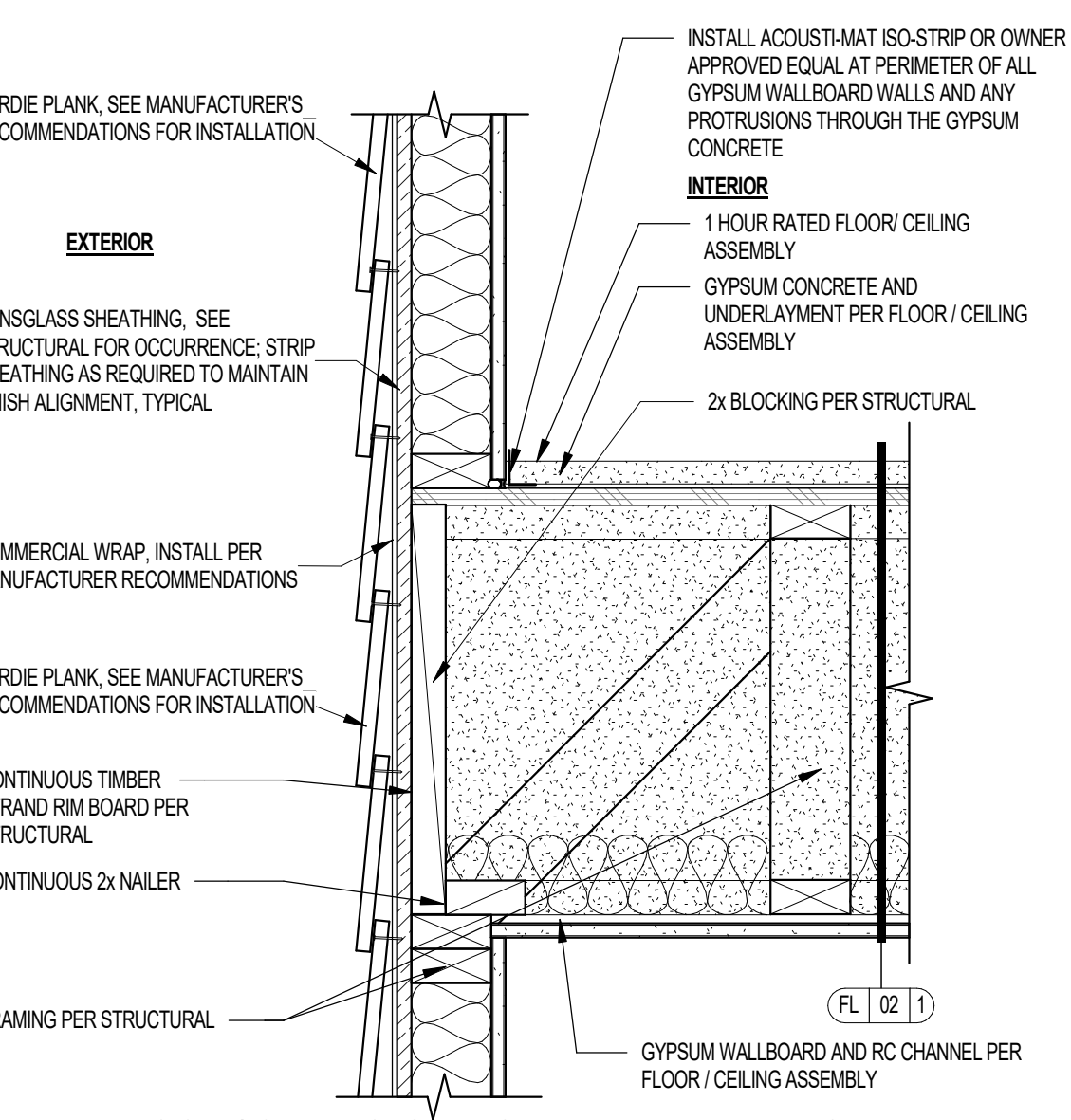
A7.4.03
SLAB PLAN DETAILS



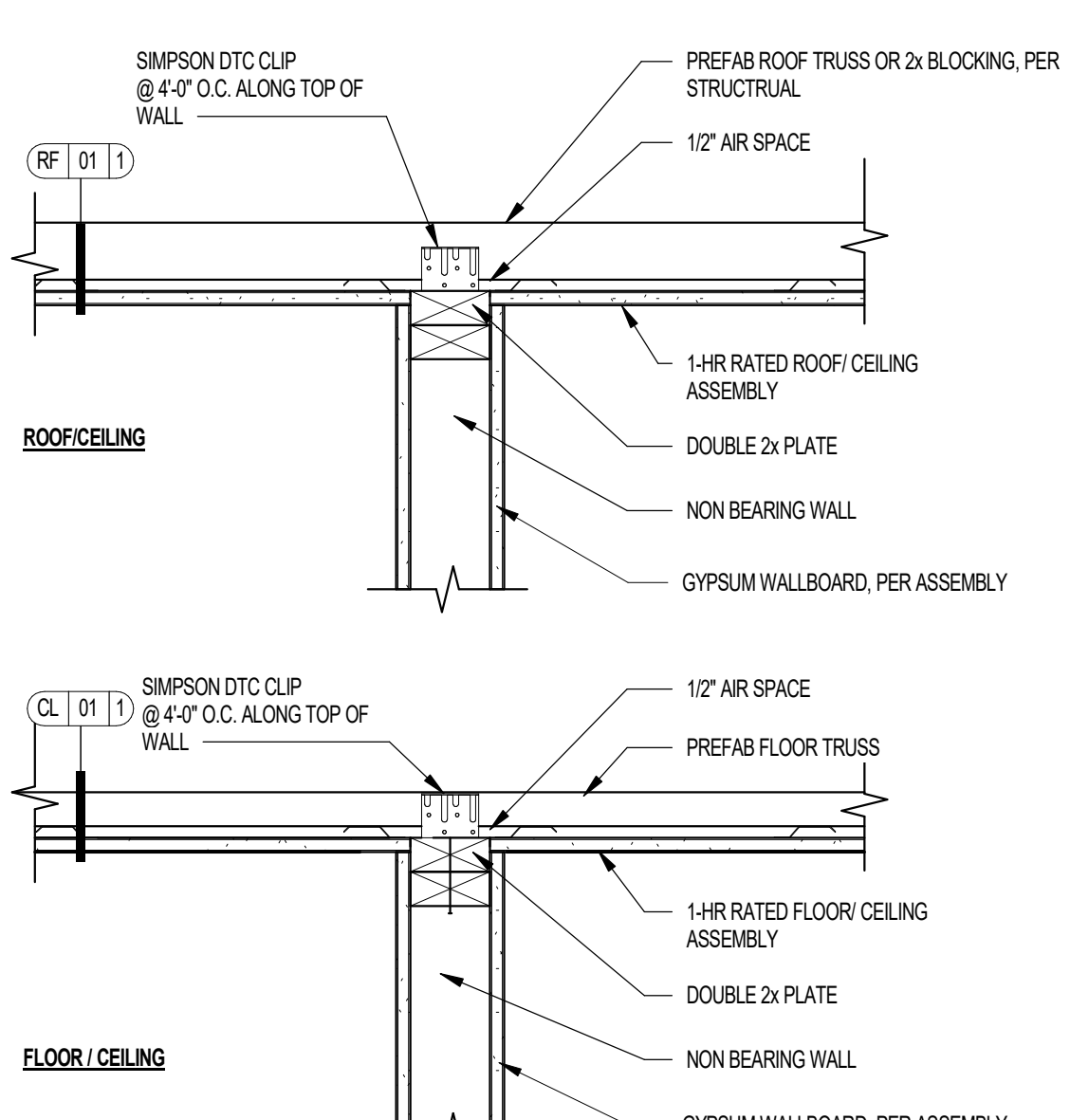
13 1-HR BARRIER AT TRASH ROOM SCALE: 1 1/2" = 1'-0"



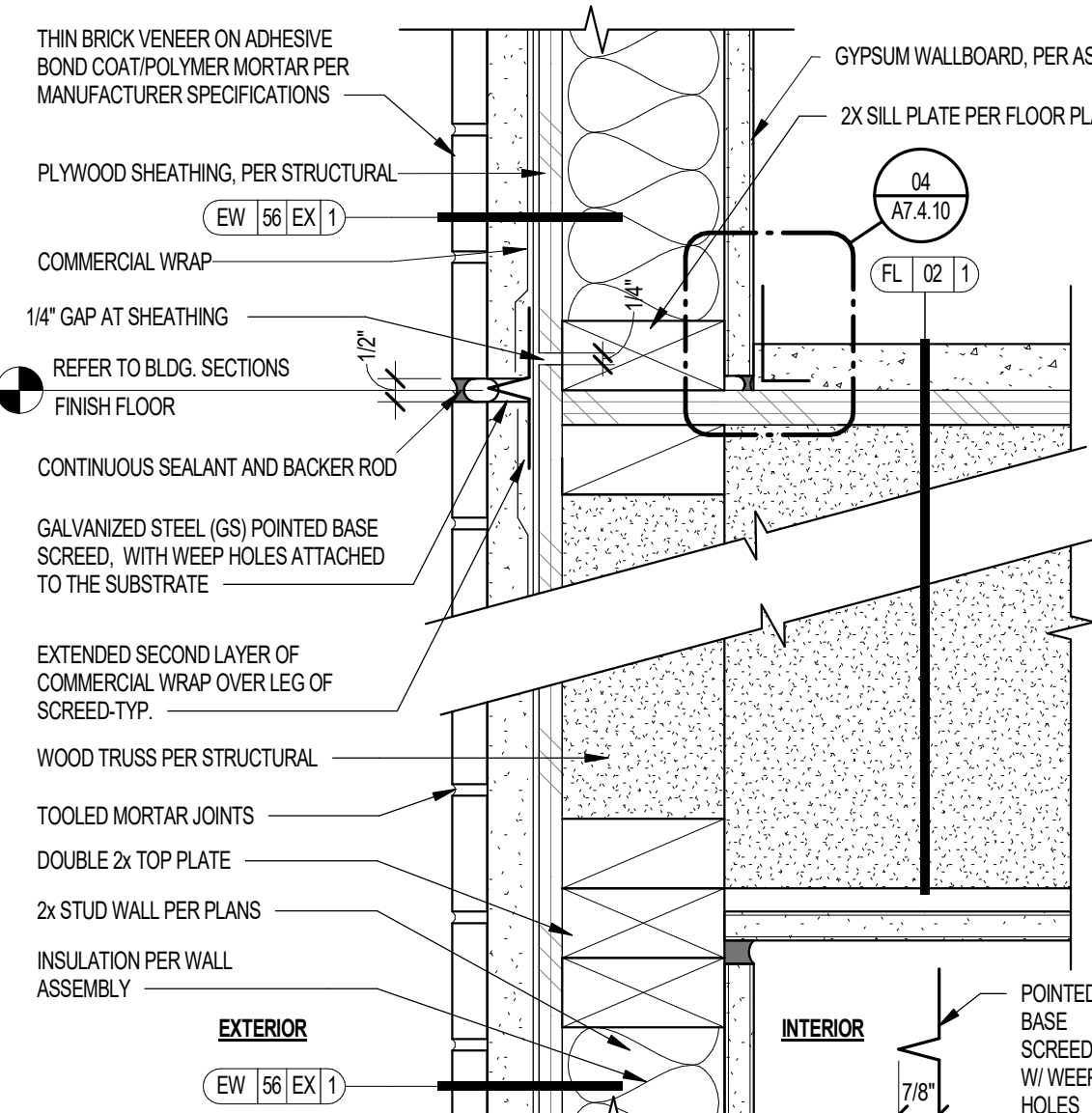
09 UNIT SEPARATION WALL AT EXTERIOR WALL SCALE: 1 1/2" = 1'-0"



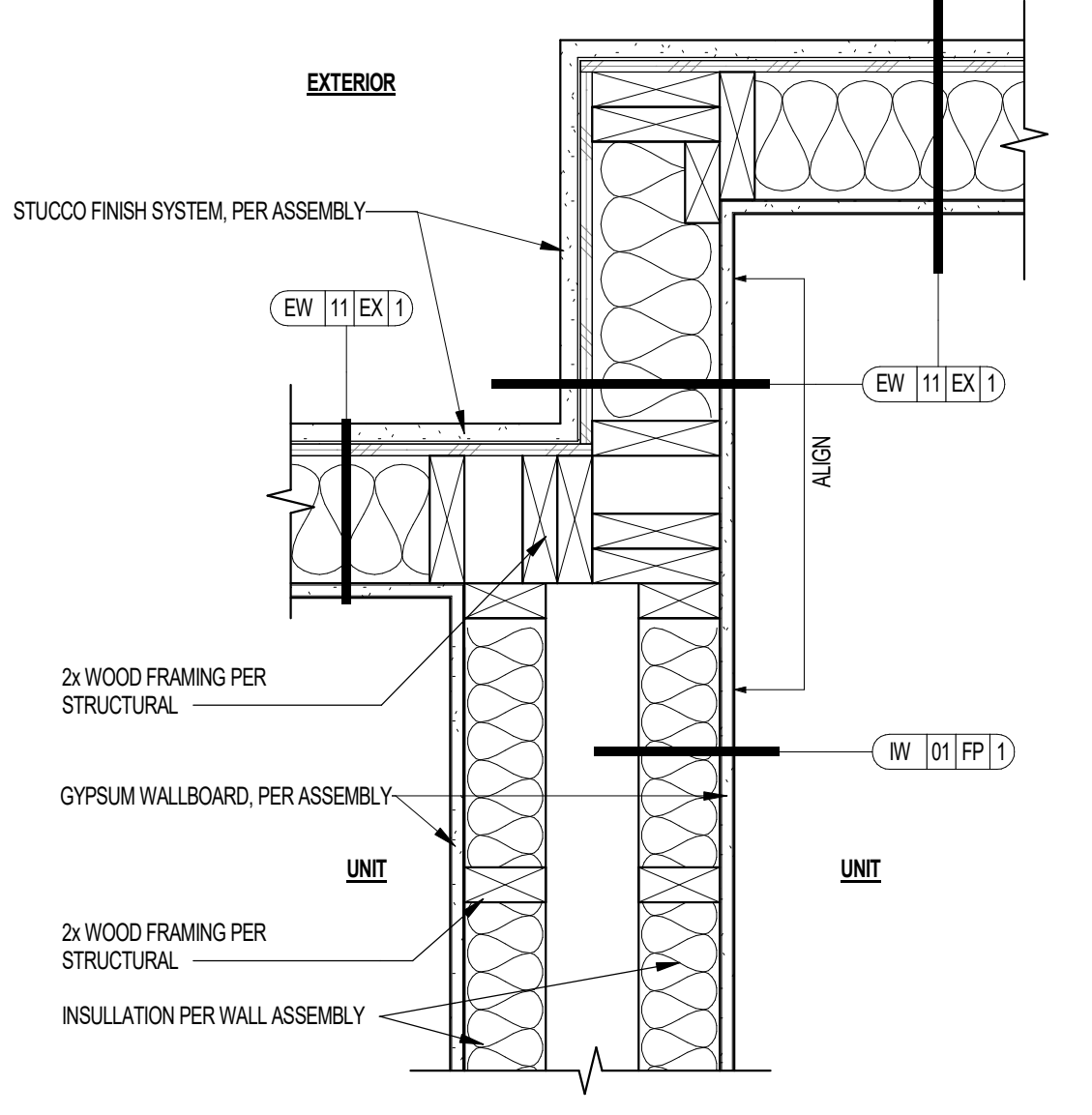
05 FLOOR / CEILING @ 1 HOUR RATED EXTERIOR WALL HARDIE BOARD FINISH SCALE: 1 1/2" = 1'-0"



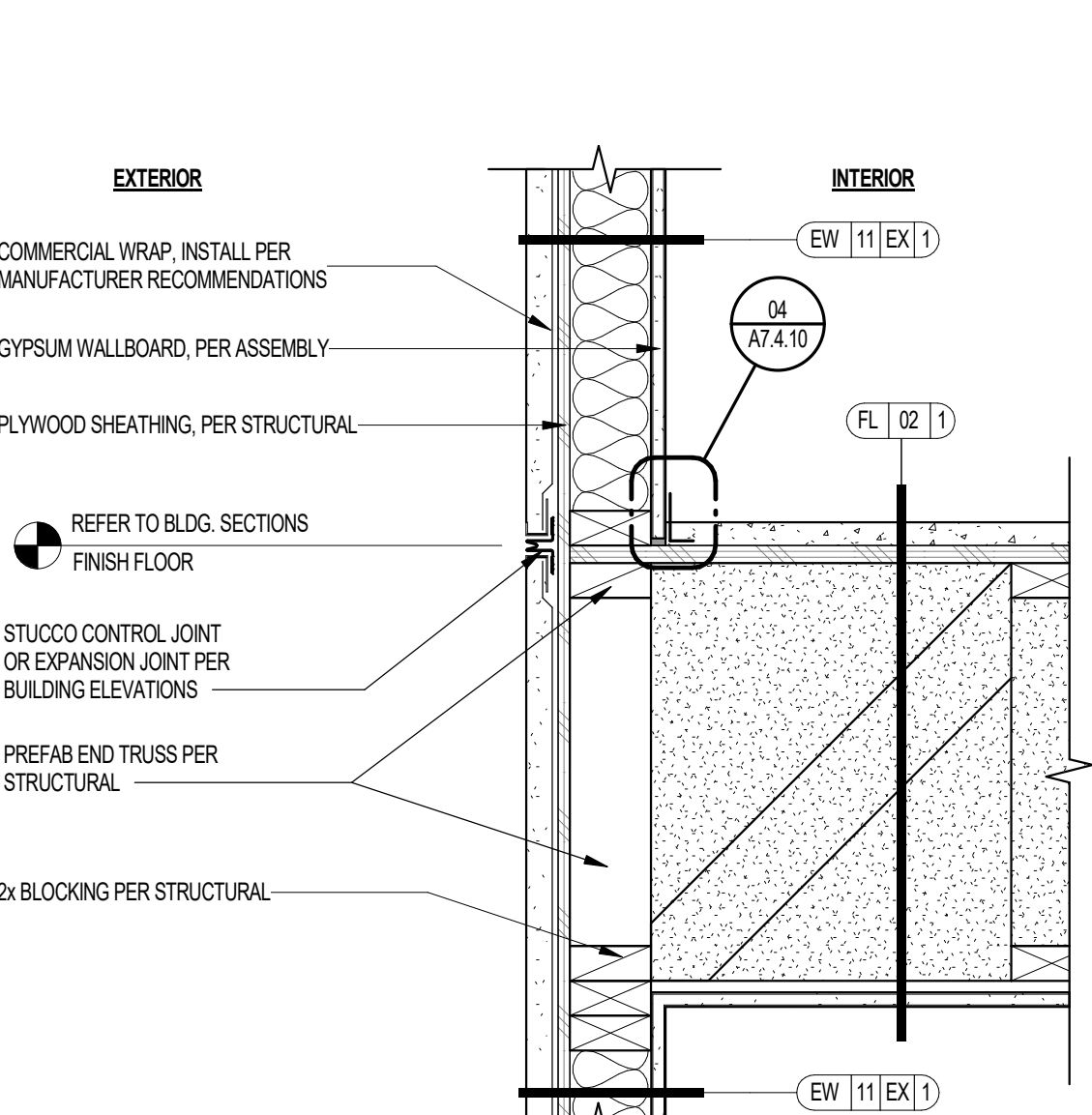
01 NON-BEARING WALL ATTACHMENT AT CEILING SCALE: 1 1/2" = 1'-0"



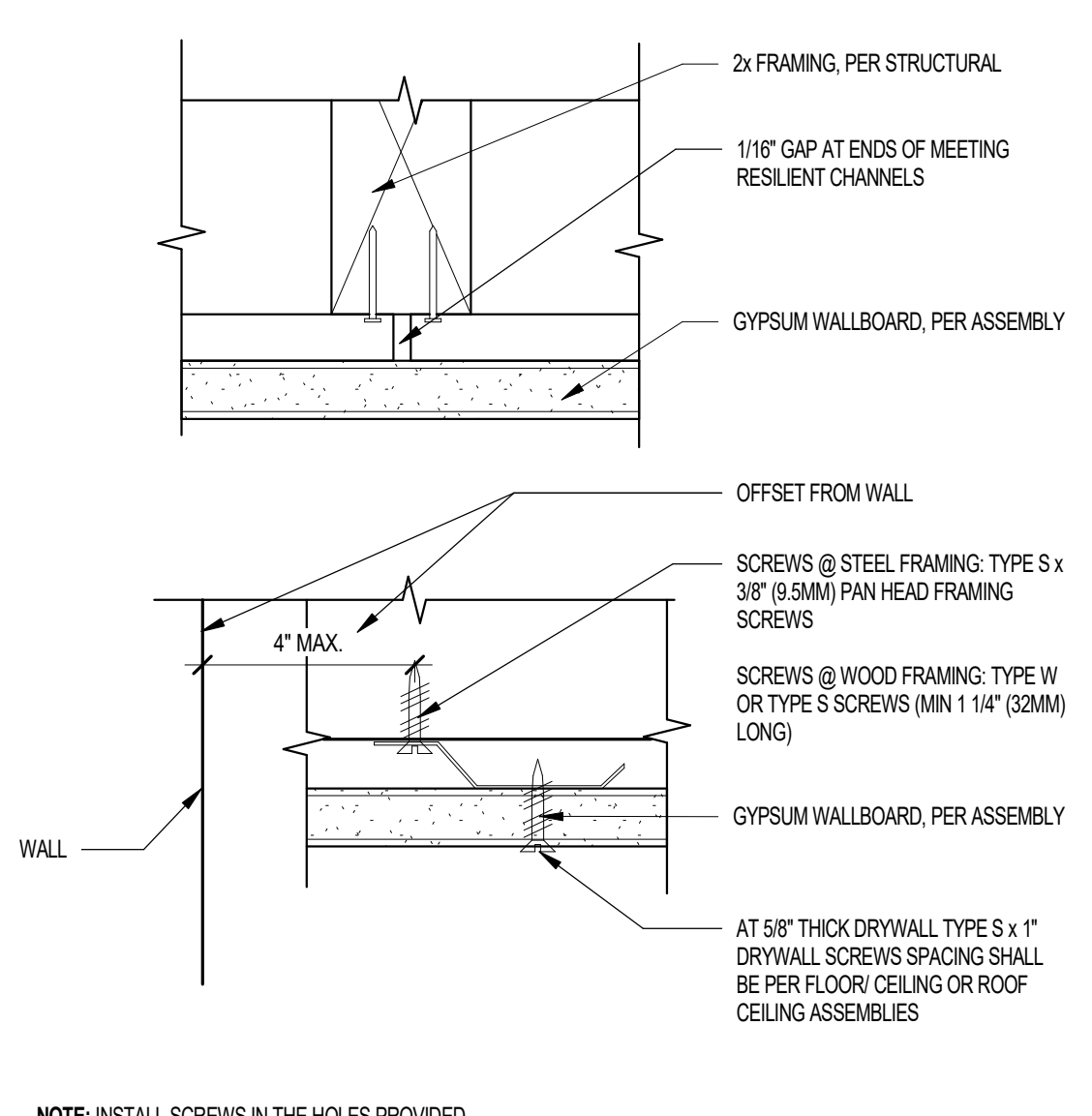
14 1-HR FLOOR / CEILING AT 1-HR EXTERIOR WALL - BRICK VENEER SCALE: 3\"/>



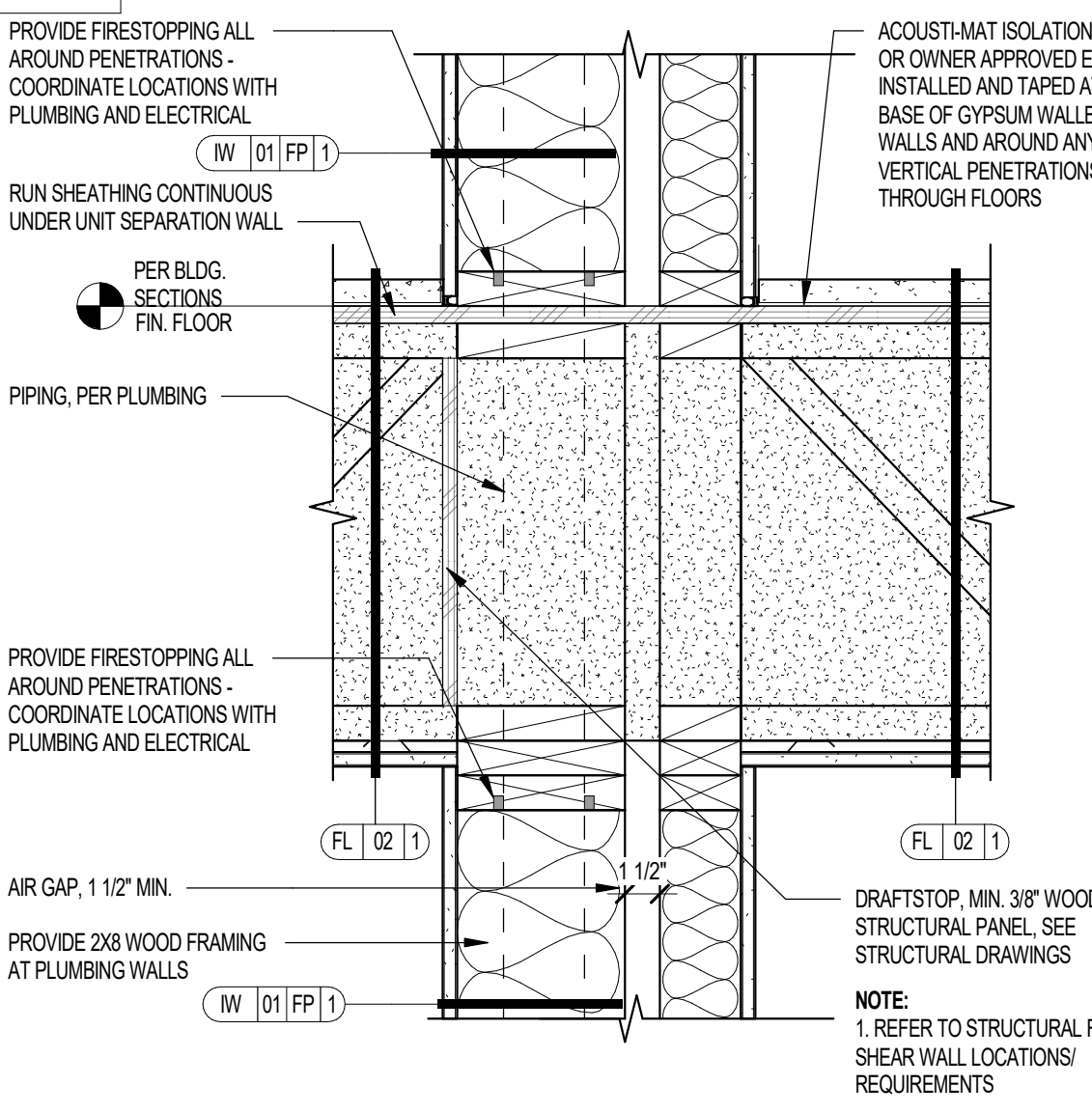
10 1-HR UNIT SEPARATION WALL AT BUILDING OFFSET PLAN VIEW SCALE: 1 1/2" = 1'-0"



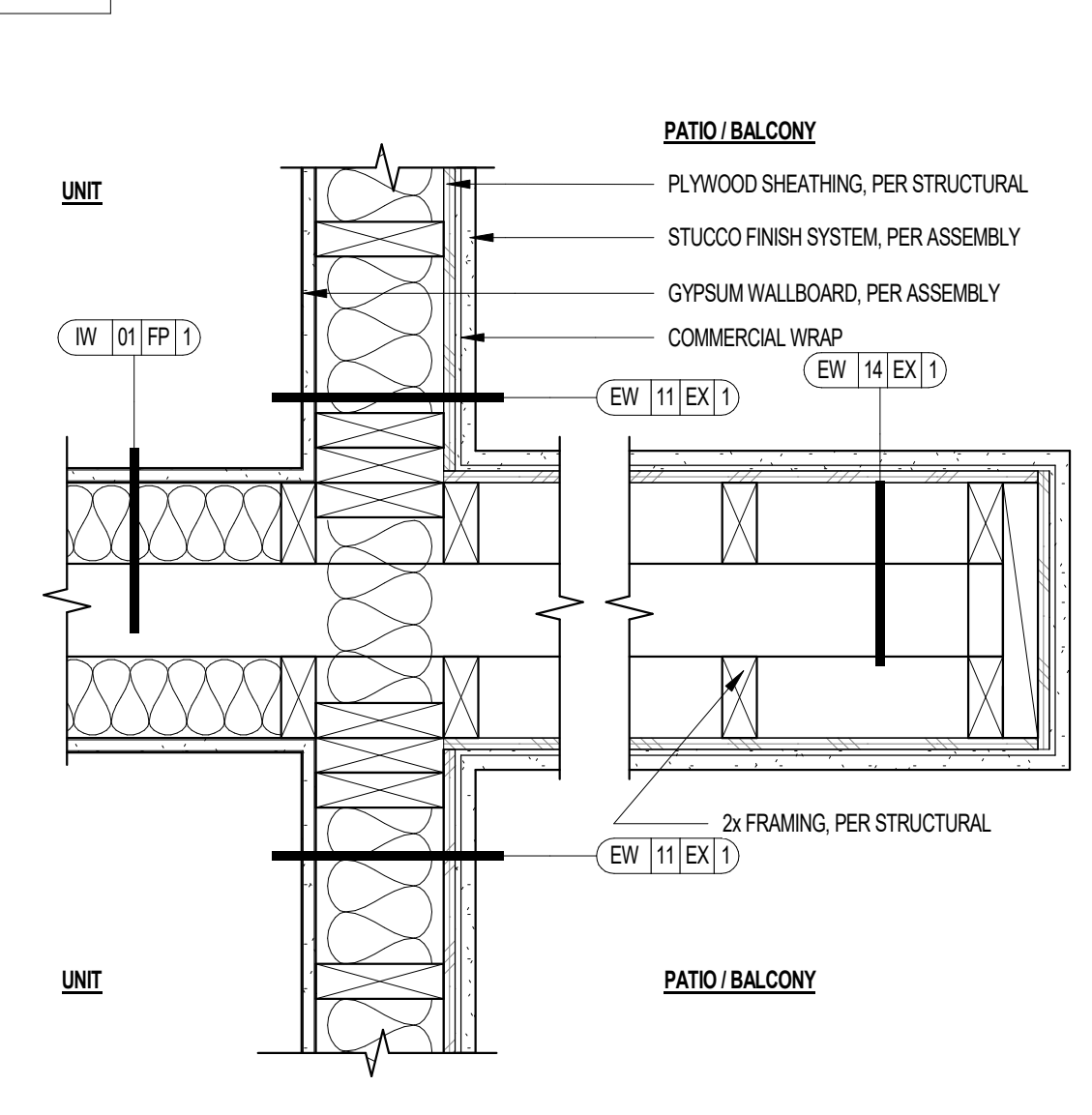
06 1-HR FLOOR / CEILING AT 1-HR EXTERIOR WALL SCALE: 1 1/2" = 1'-0"



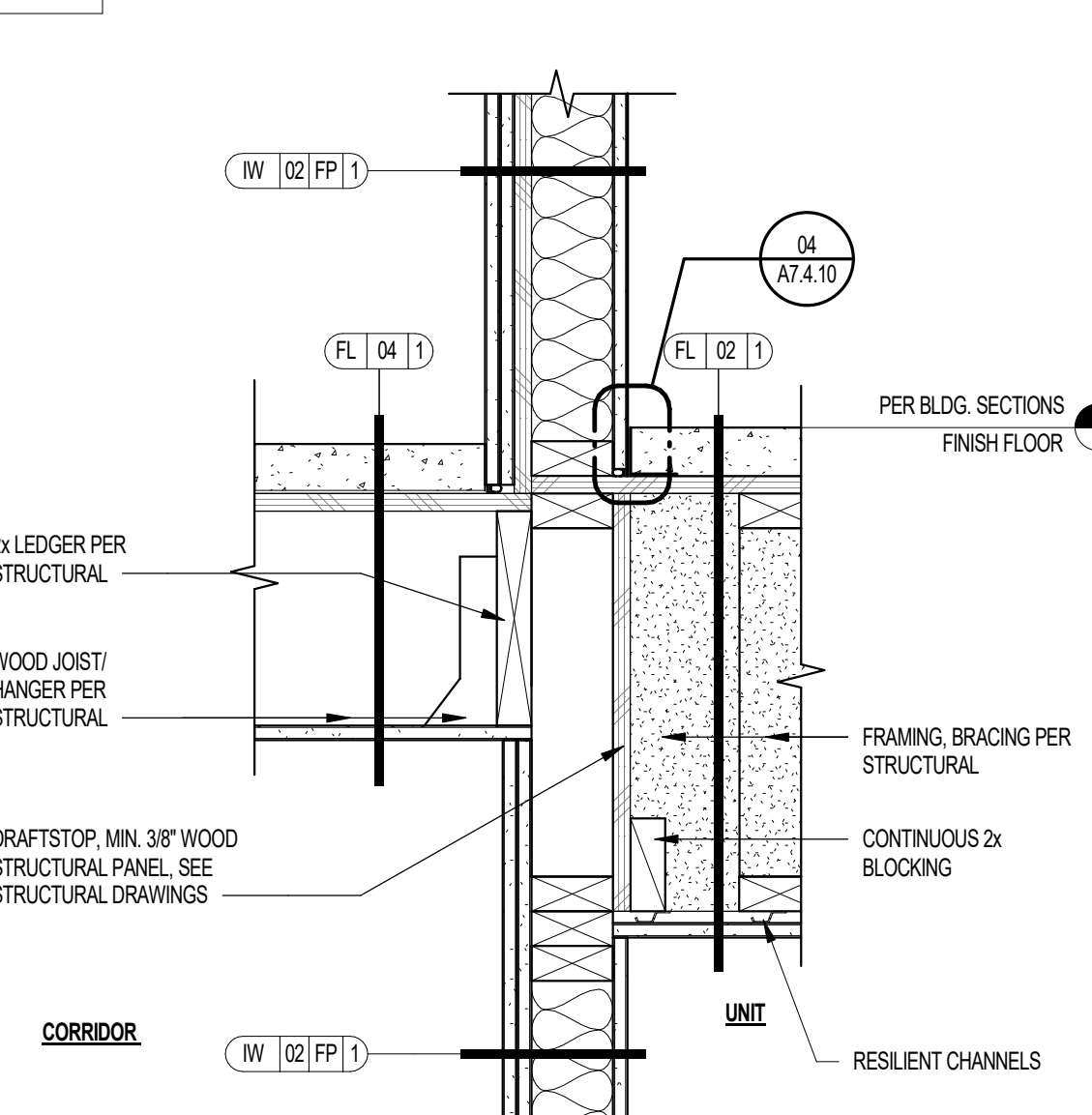
02 RESILIENT CHANNEL INSTALLATION AT CEILING SCALE: 0\"/>



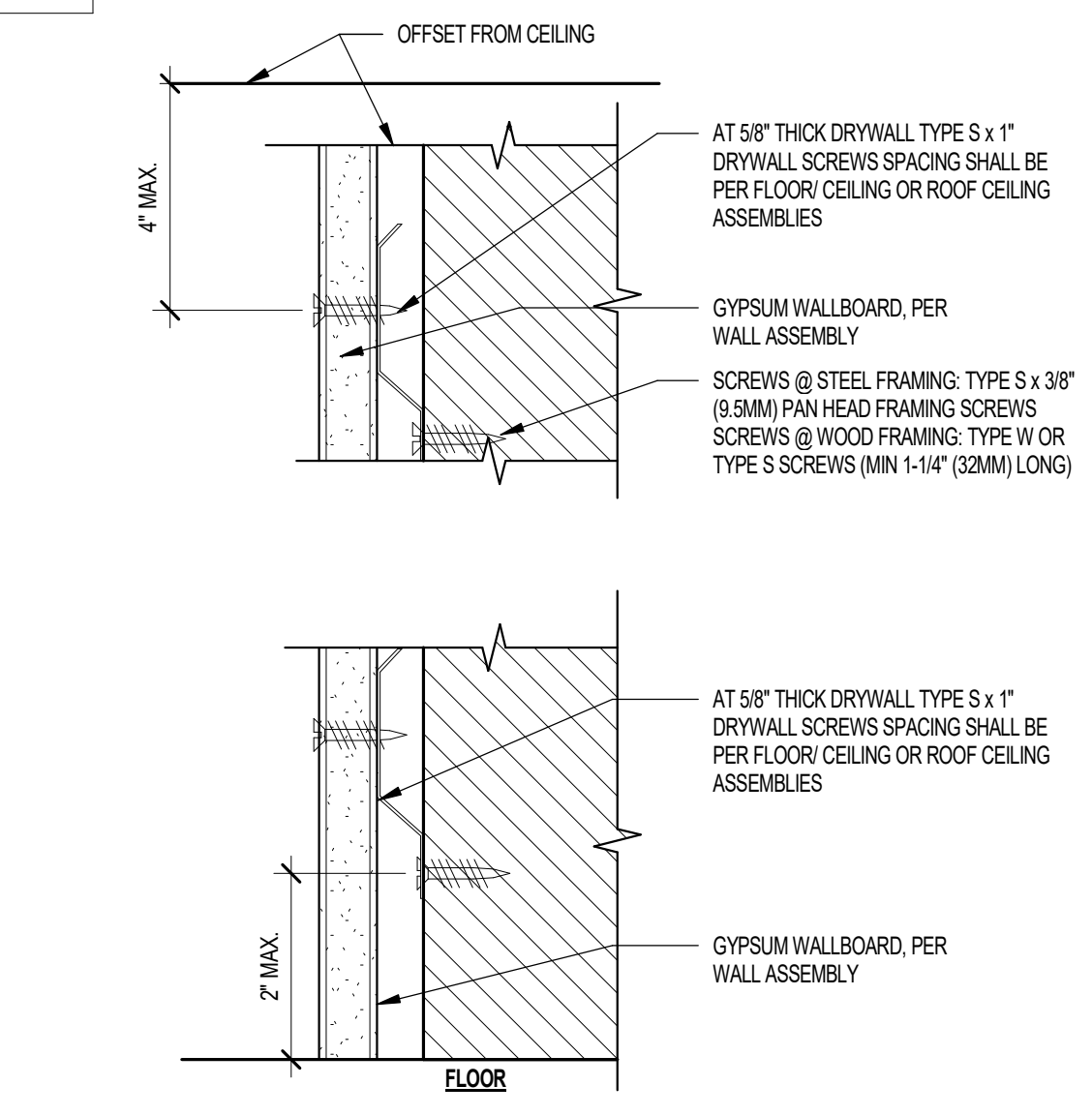
15 1-HR FLOOR / CEILING AT 1-HR UNIT SEPARATION WALL PERPENDICULAR TO FLOOR TRUSSES AT PLUMBING WALLS SCALE: 1 1/2" = 1'-0"



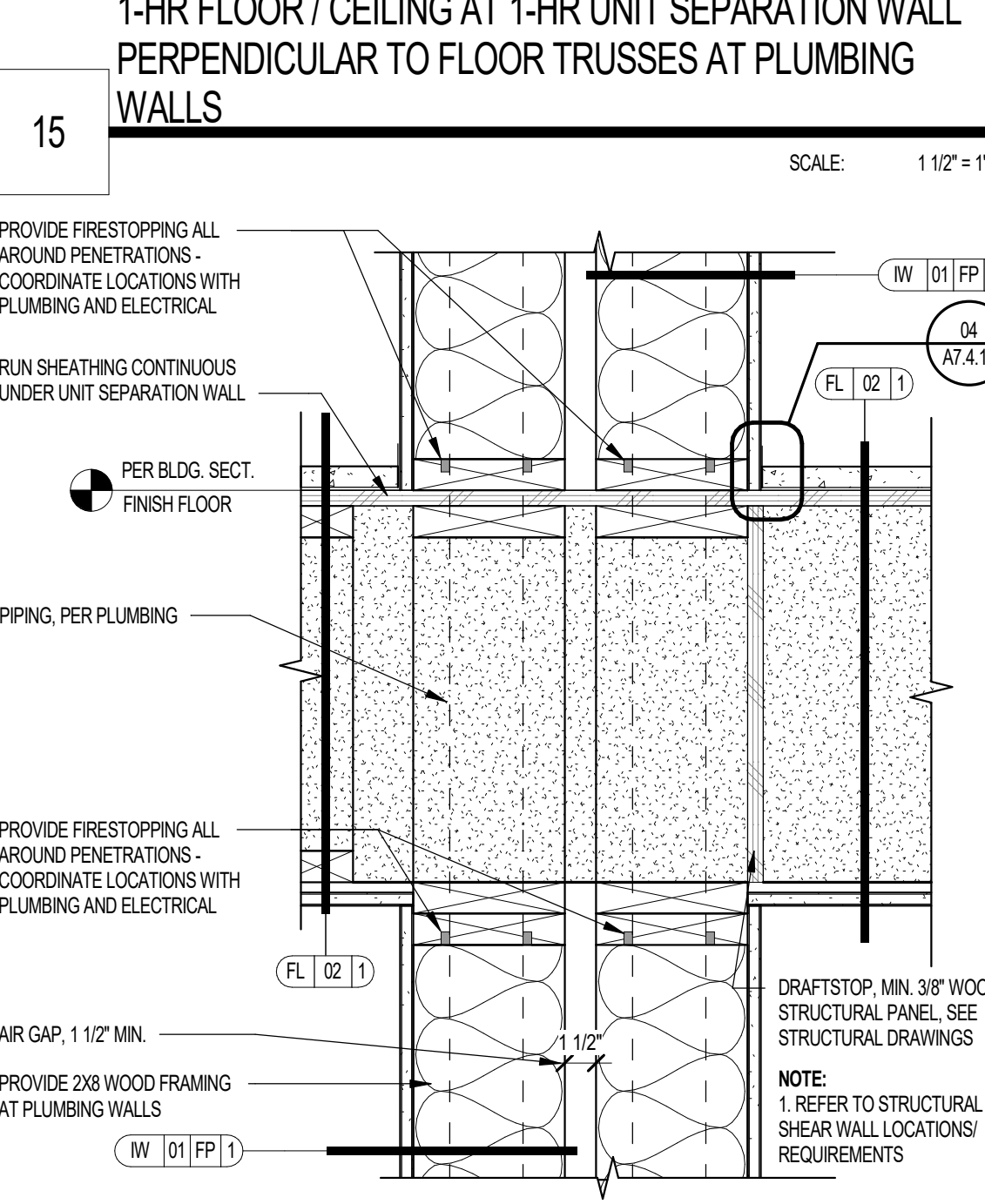
11 1-HR UNIT SEPARATION WALL AT BALCONY EXTERIOR WALL SCALE: 1 1/2" = 1'-0"



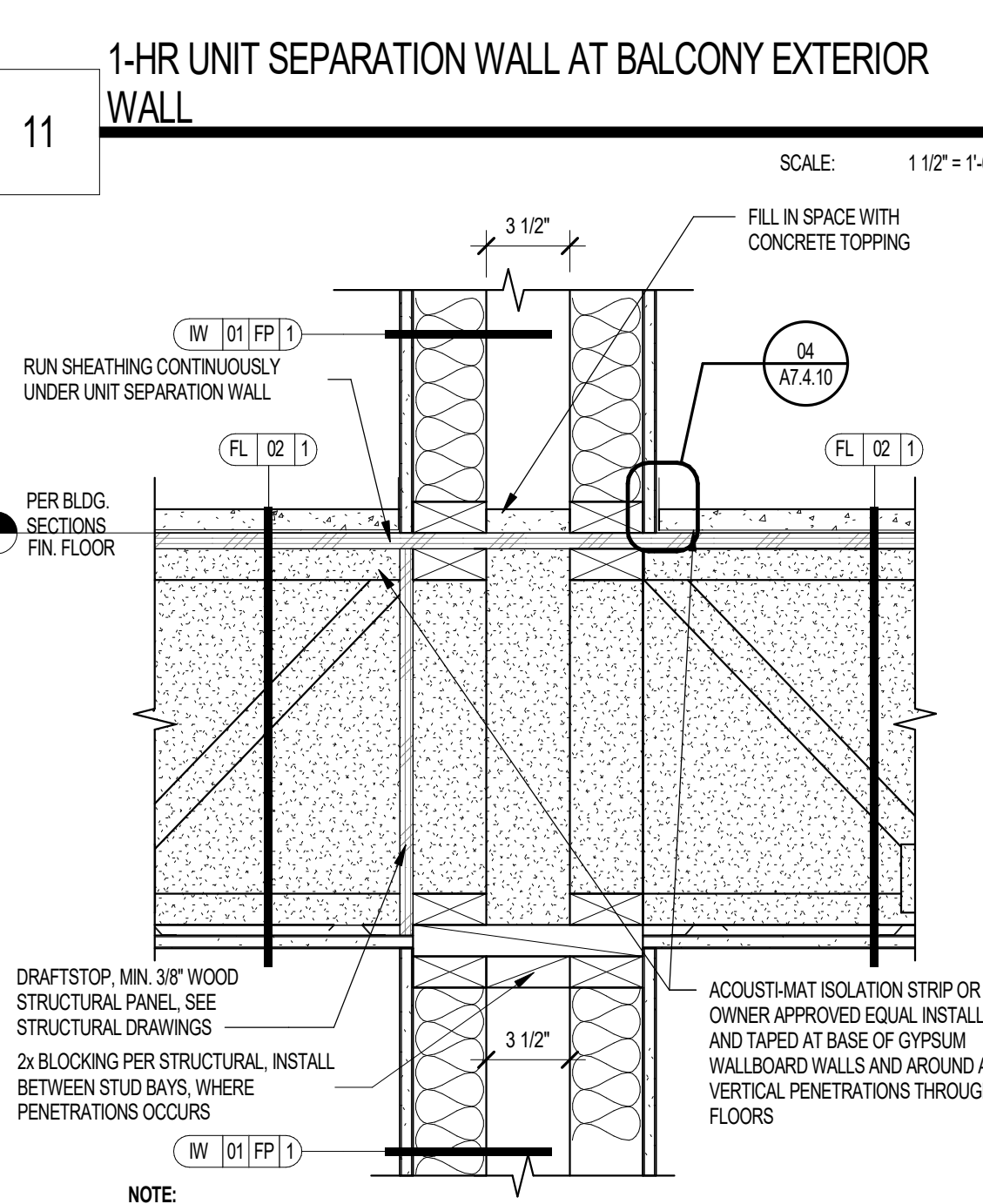
07 1-HR FLOOR / CEILING AT 1-HR CORRIDOR WALL SCALE: 1 1/2" = 1'-0"



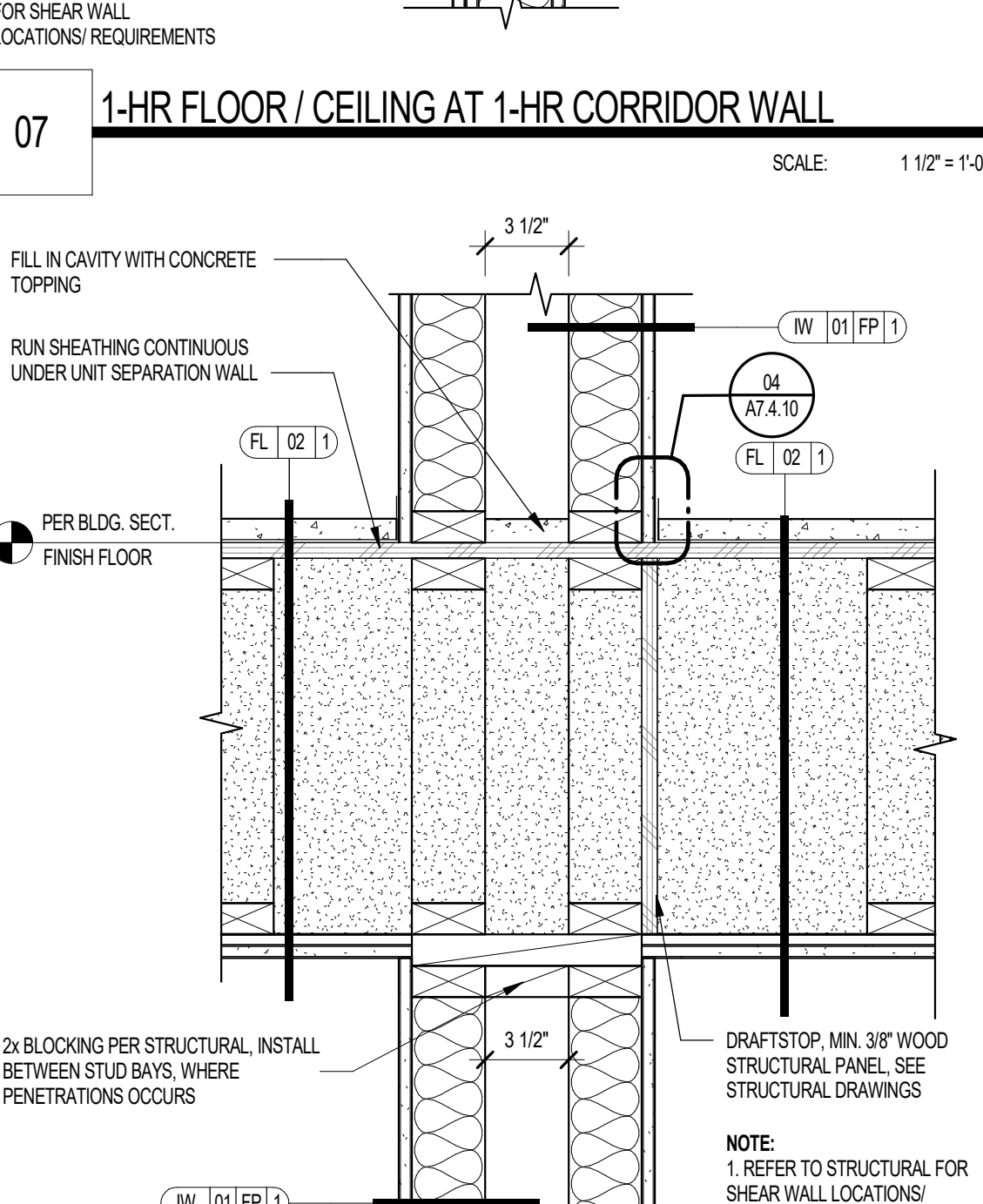
03 RESILIENT CHANNEL INSTALLATION AT CONCRETE / CMU WALL SCALE: 0\"/>



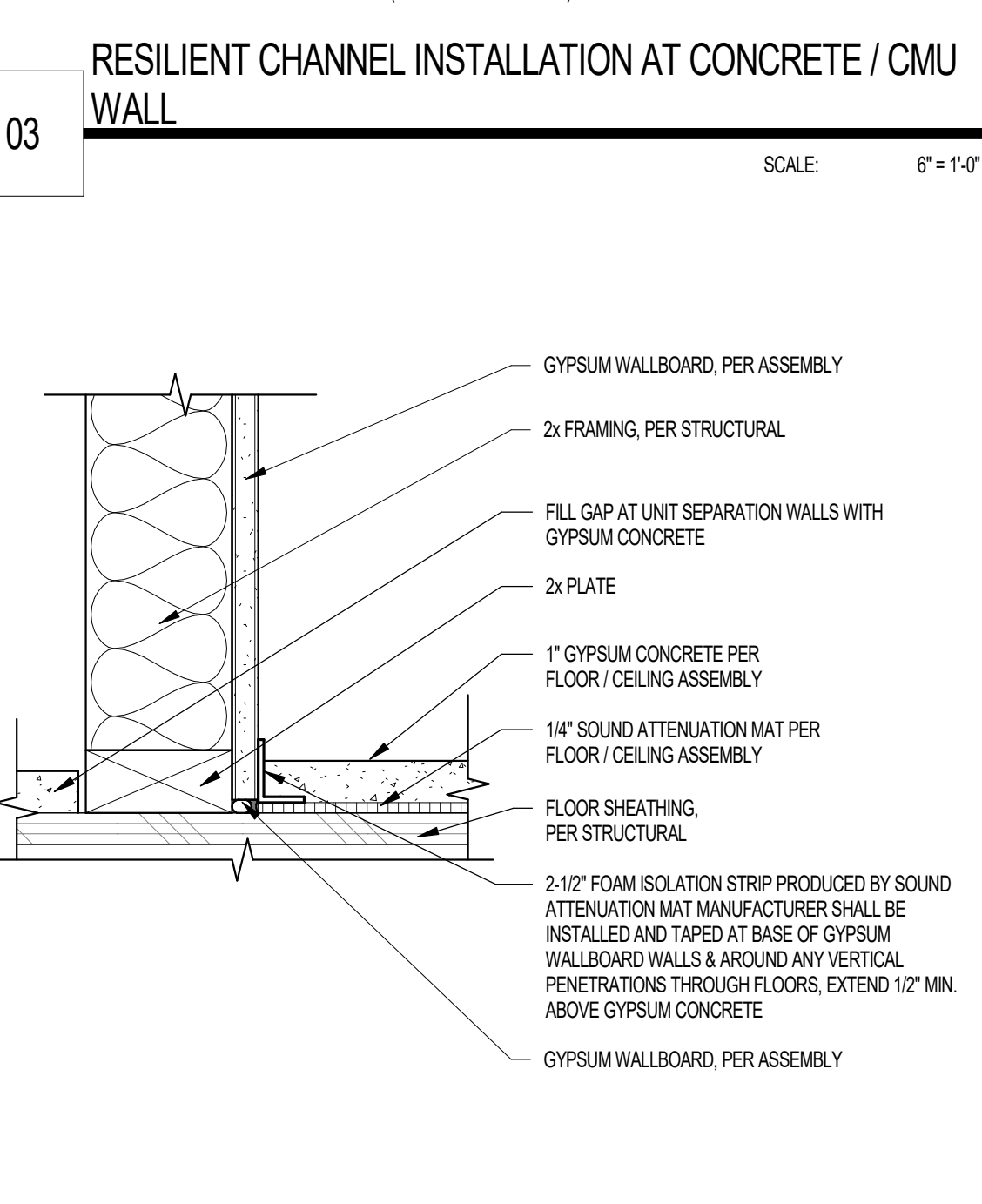
16 1-HR FLOOR / CEILING AT 1-HR UNIT SEPARATION WALL PARALLEL TO FLOOR TRUSSES AT PLUMBING WALLS SCALE: 1 1/2" = 1'-0"



12 1-HR FLOOR / CEILING AT 1-HR UNIT SEPARATION WALL PERPENDICULAR TO FLOOR TRUSSES SCALE: 1 1/2" = 1'-0"



08 1-HR FLOOR / CEILING AT 1-HR UNIT SEPARATION WALL PARALLEL TO FLOOR TRUSSES SCALE: 1 1/2" = 1'-0"



04 FOAM ISOLATION STRIP AT BASE OF WALLS AT GYPSUM CONCRETE SCALE: 3\"/>

Project Name 1
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RESIDENTIAL
LEGACY HOSPITALITY

Notice of alternate billing (or payment) cycle
This contract allows (they) the owner to request the admission of change or otherwise in billing cycle after the first bill. This contract shall also be subject to the terms, conditions and specifications set forth in the contract documents. A further description of the contract documents shall be provided to the owner at the time of the contract documents.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

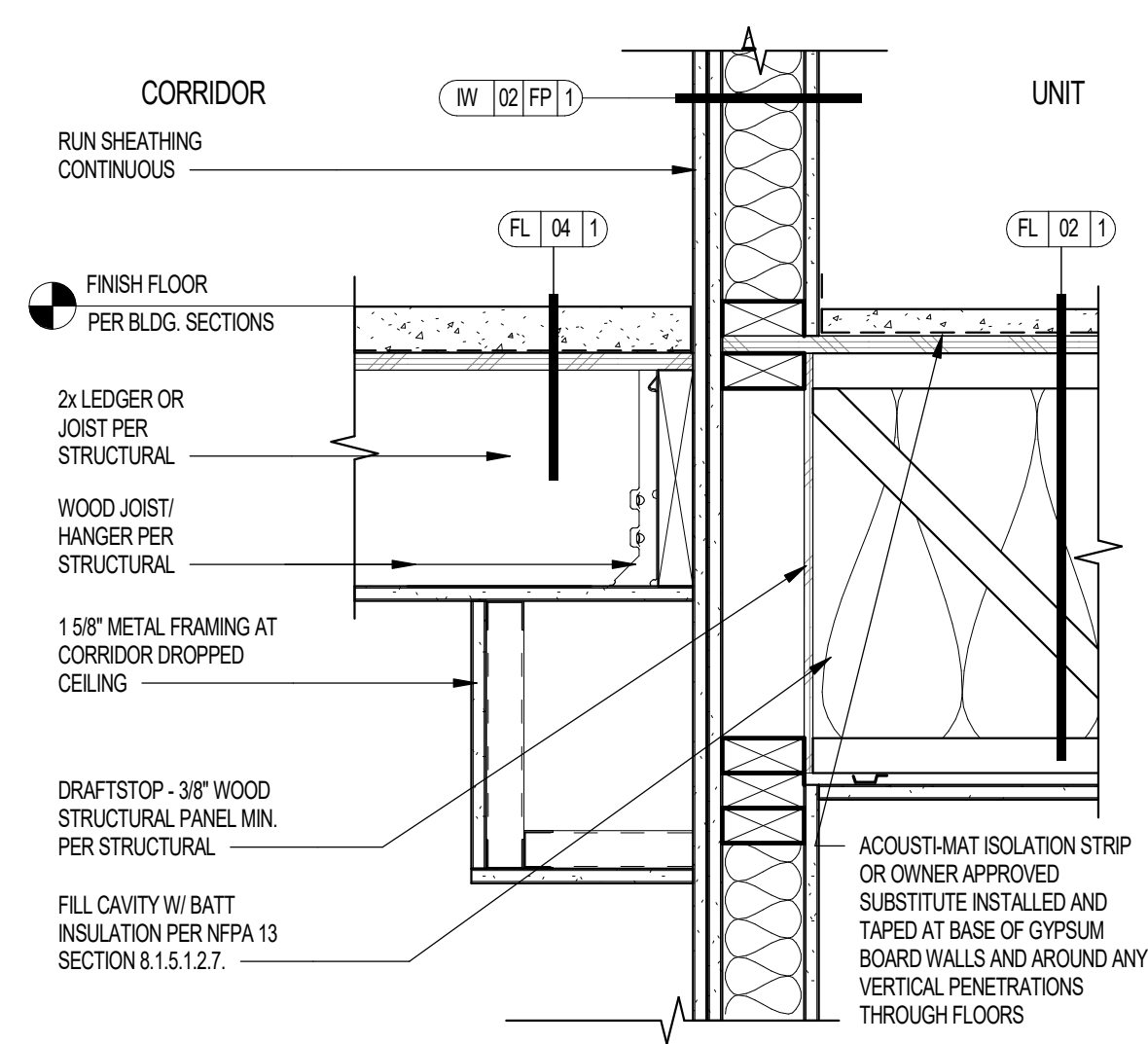
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are the property of the Architect and shall remain the property of the Architect. The drawings and specifications shall not be used for any other project. In addition to the project in the contract documents, the project shall be subject to the approval of the Architect.

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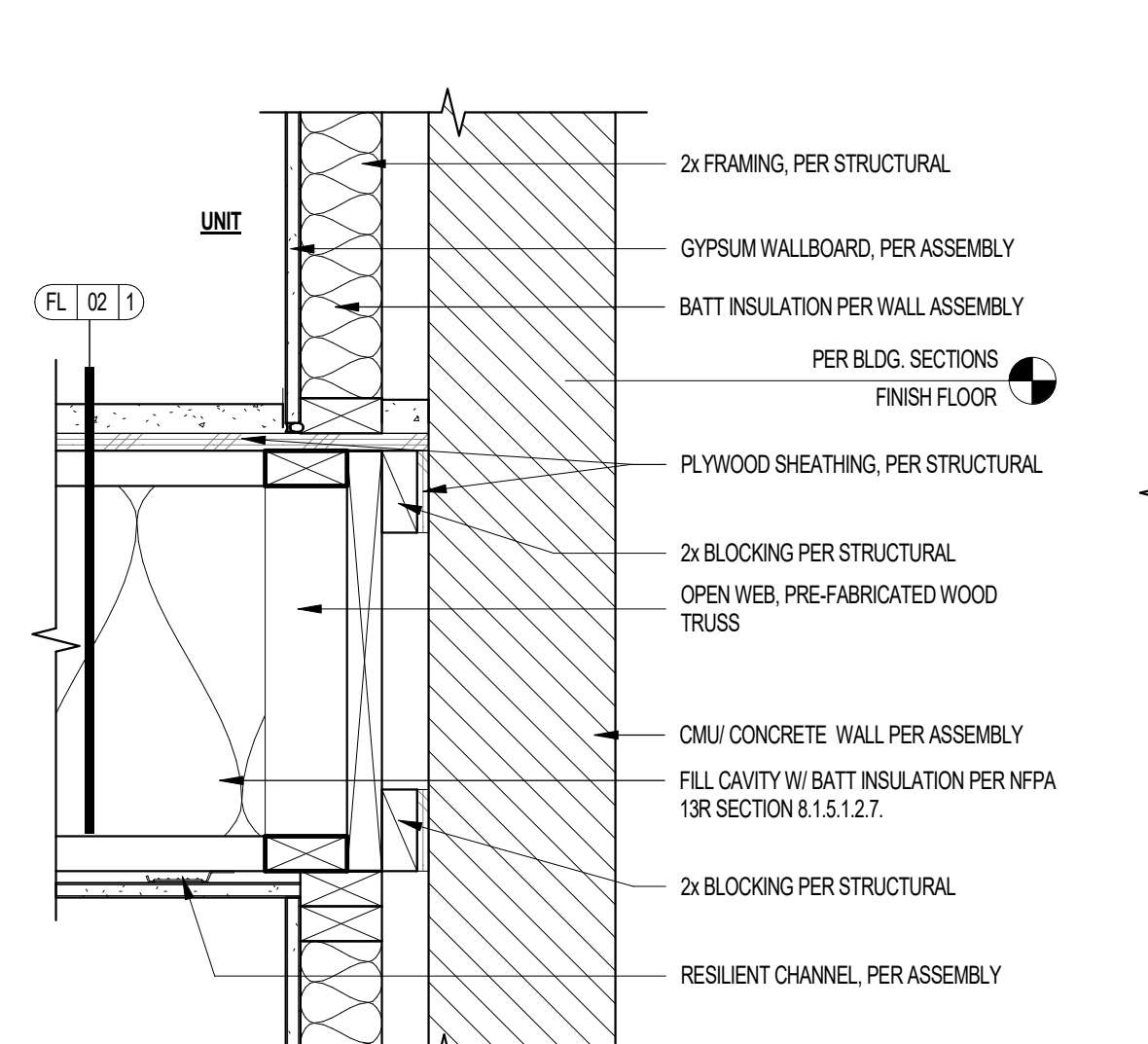
REVISIONS/SUBMITTALS
DATE DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

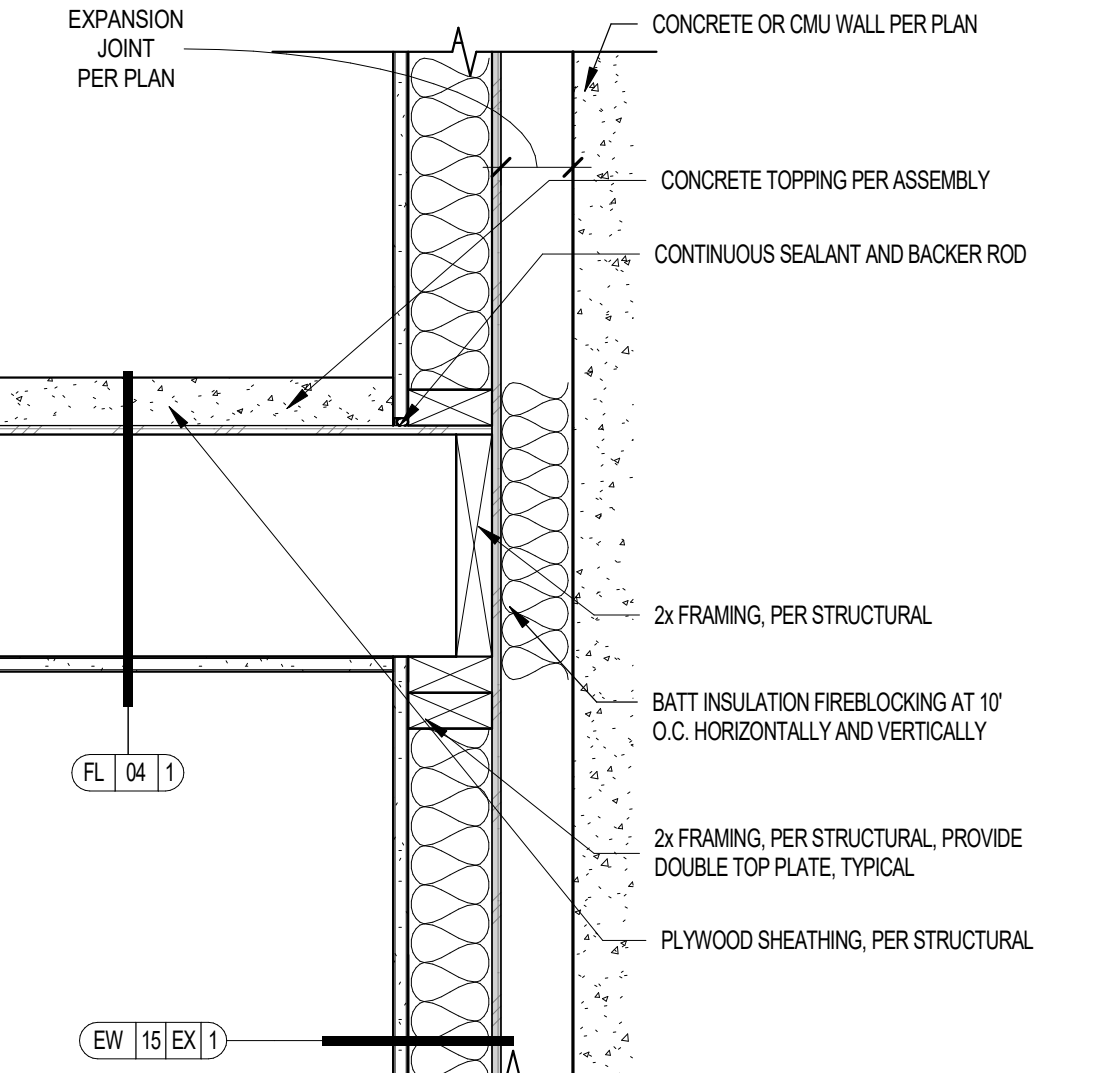
A7.4.10
FLOOR-CEILING DETAILS WOOD FRAMING



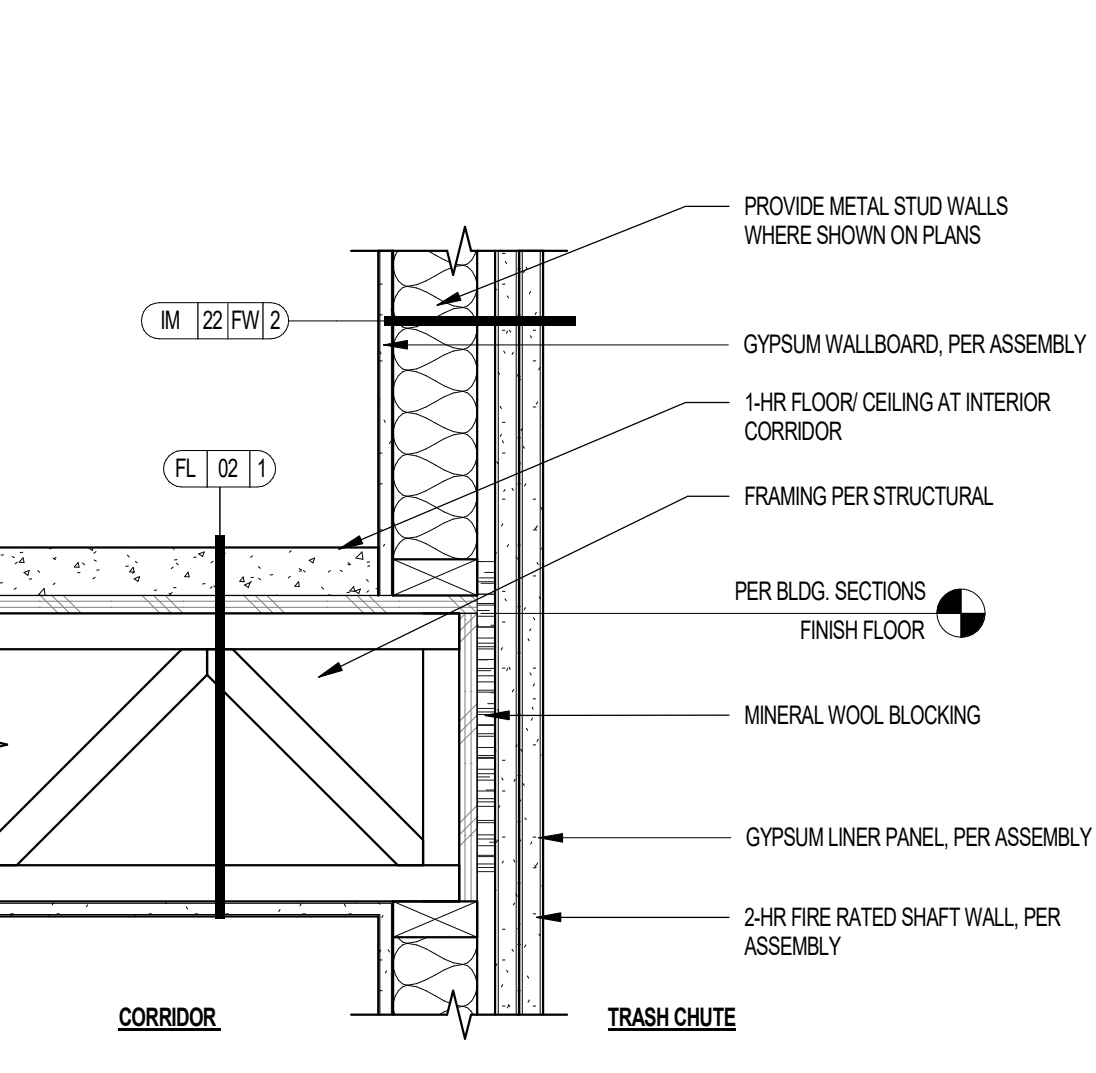
41 1-HR FLOOR / CEILING AT 1-HR UNIT SEPARATION WALL & CORRIDOR WALL
SCALE: 1 1/2" = 1'-0"



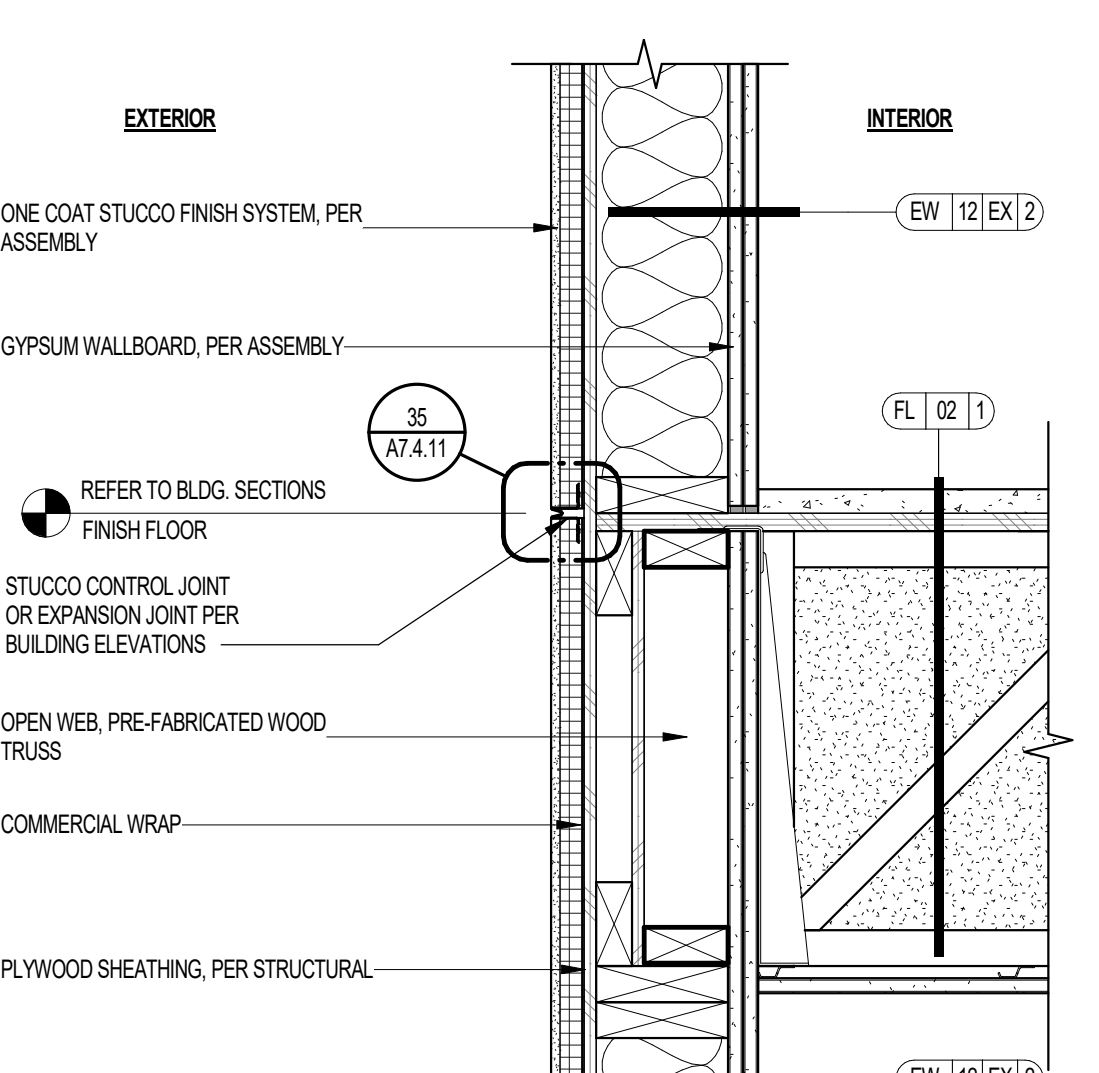
37 CMU WALL AT FLOOR / CEILING AT UNIT SEPARATION
SCALE: 1 1/2" = 1'-0"



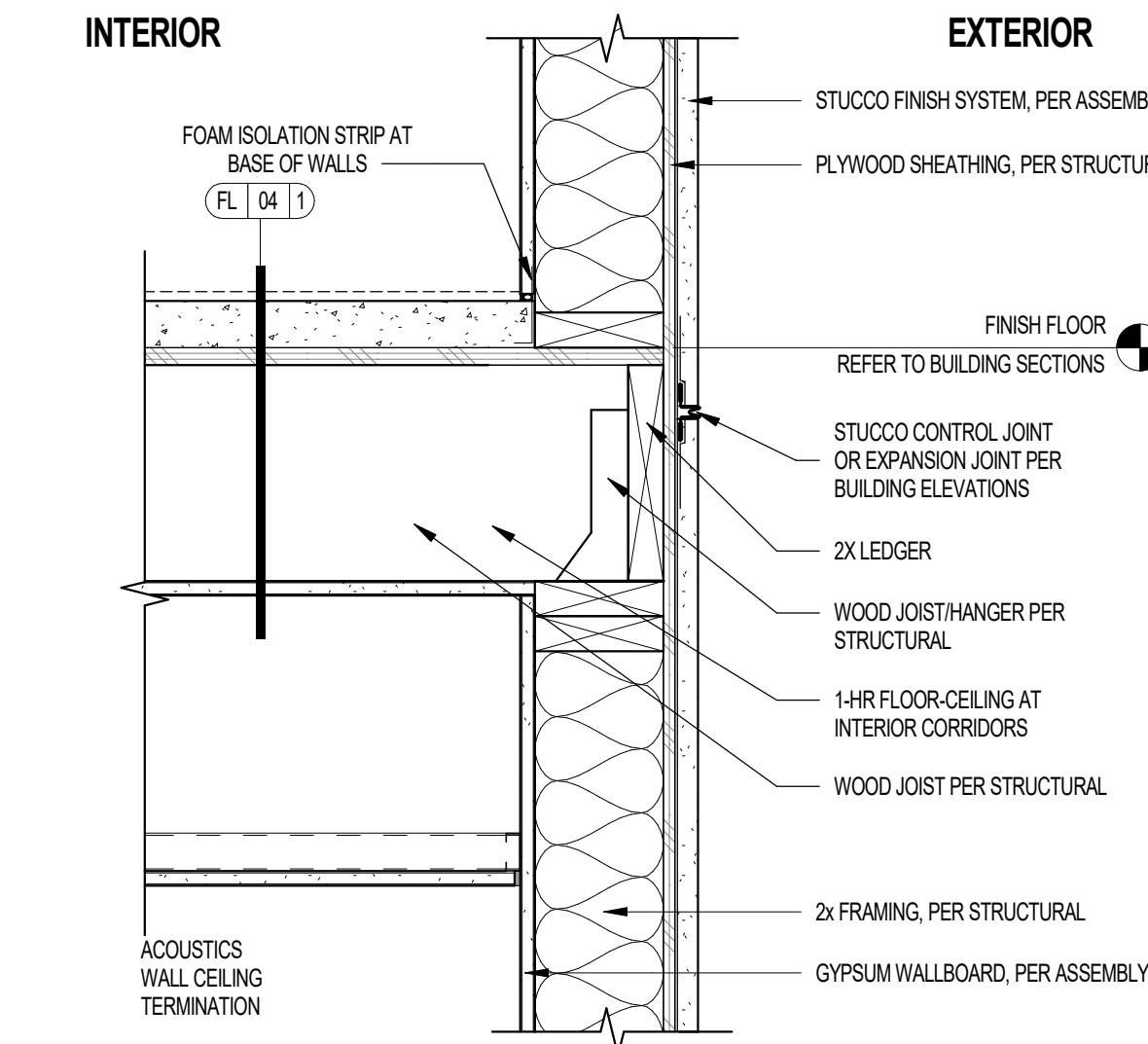
33 1-HR FLOOR CONSTRUCTION AT GARAGE WALL
SCALE: 1 1/2" = 1'-0"



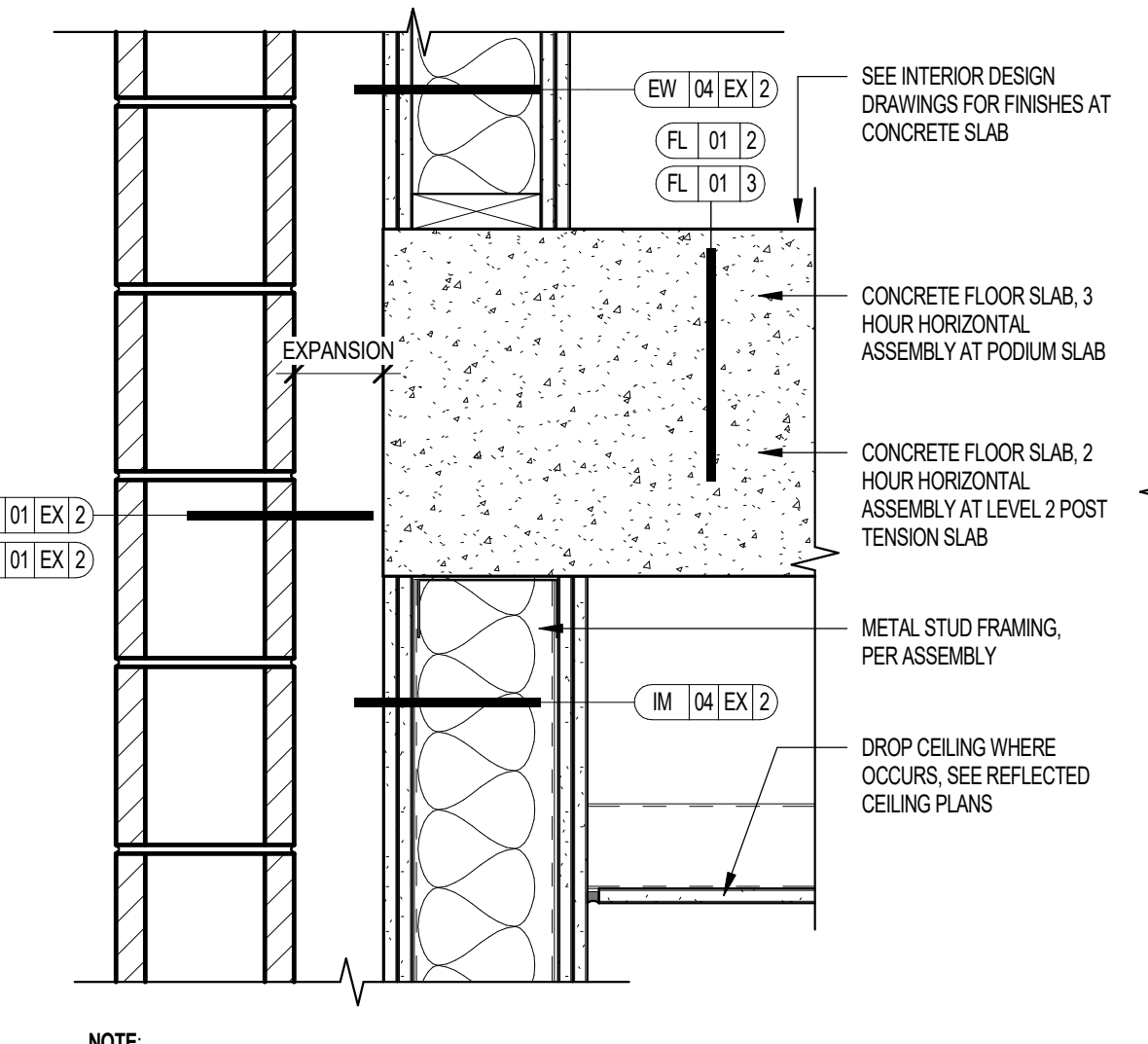
29 2-HR BARRIER AT TRASH CHUTE
SCALE: 1 1/2" = 1'-0"



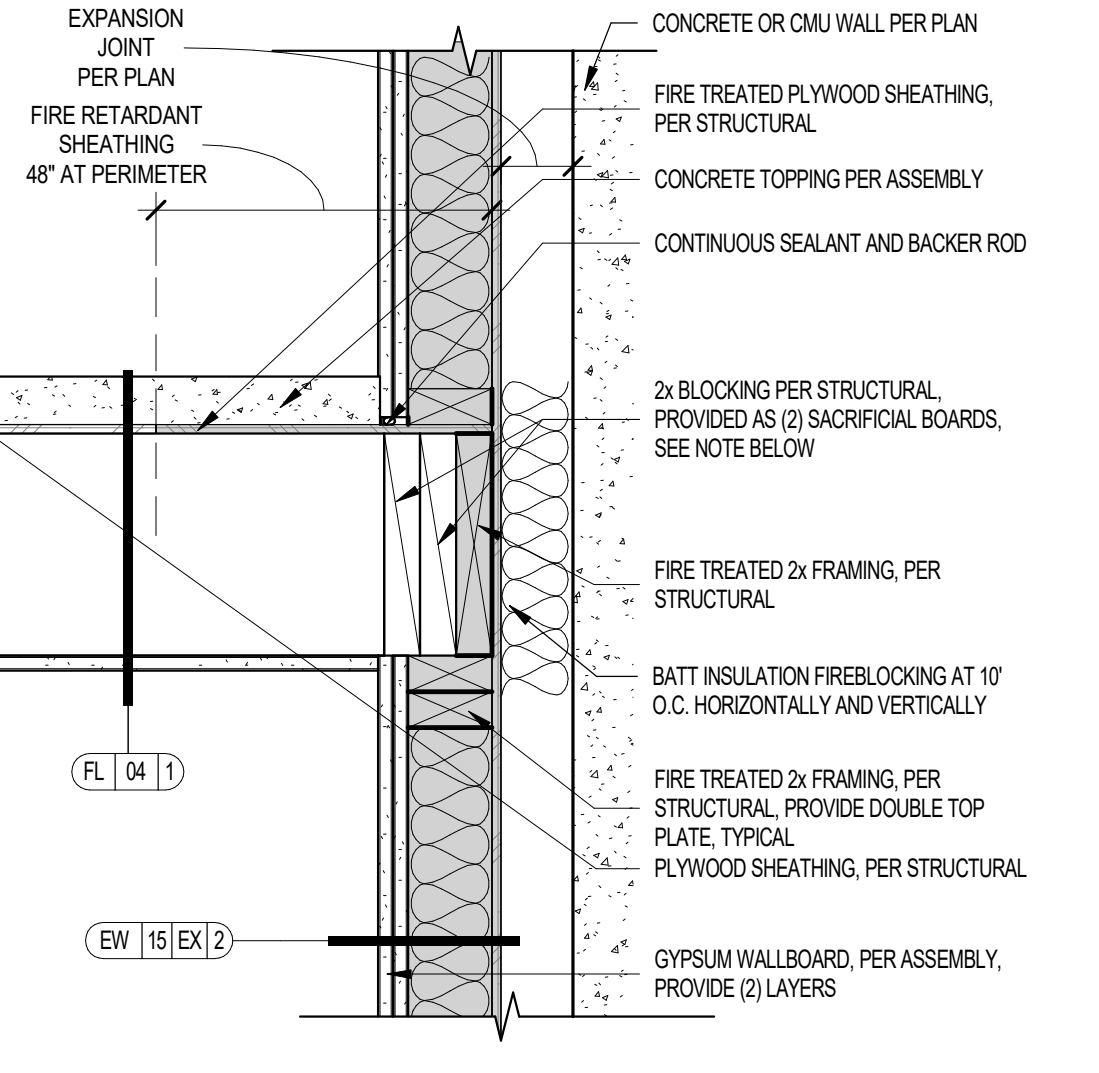
25 1-HR FLOOR / CEILING AT 2-HR EXTERIOR WALL - STUCCO
SCALE: 1 1/2" = 1'-0"



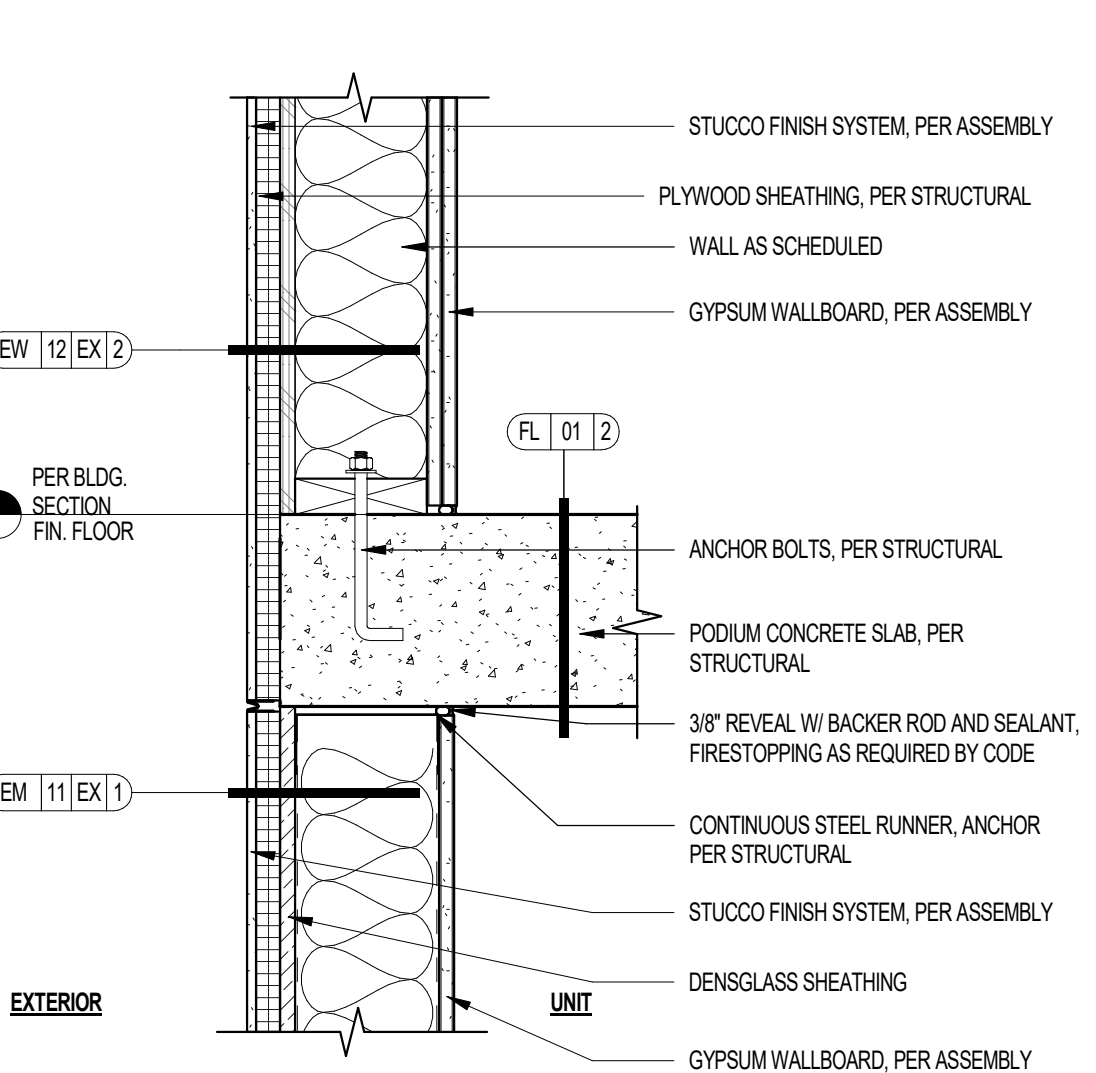
42 1-HR FLOOR / CEILING AT 1-HR EXTERIOR WALL
SCALE: 1 1/2" = 1'-0"



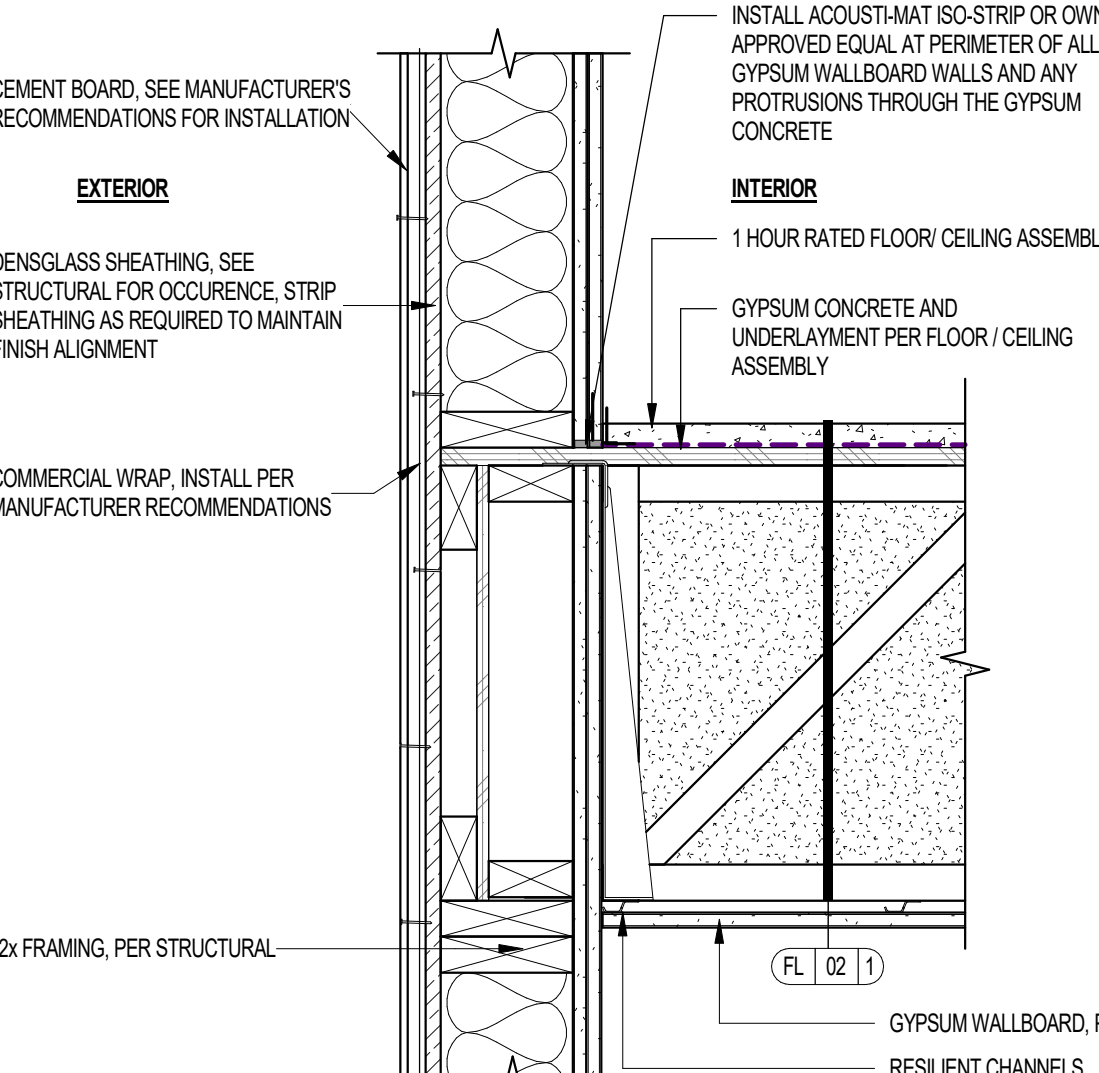
38 1HR FLOOR ASSEMBLY AT GARAGE WALL
SCALE: 1 1/2" = 1'-0"



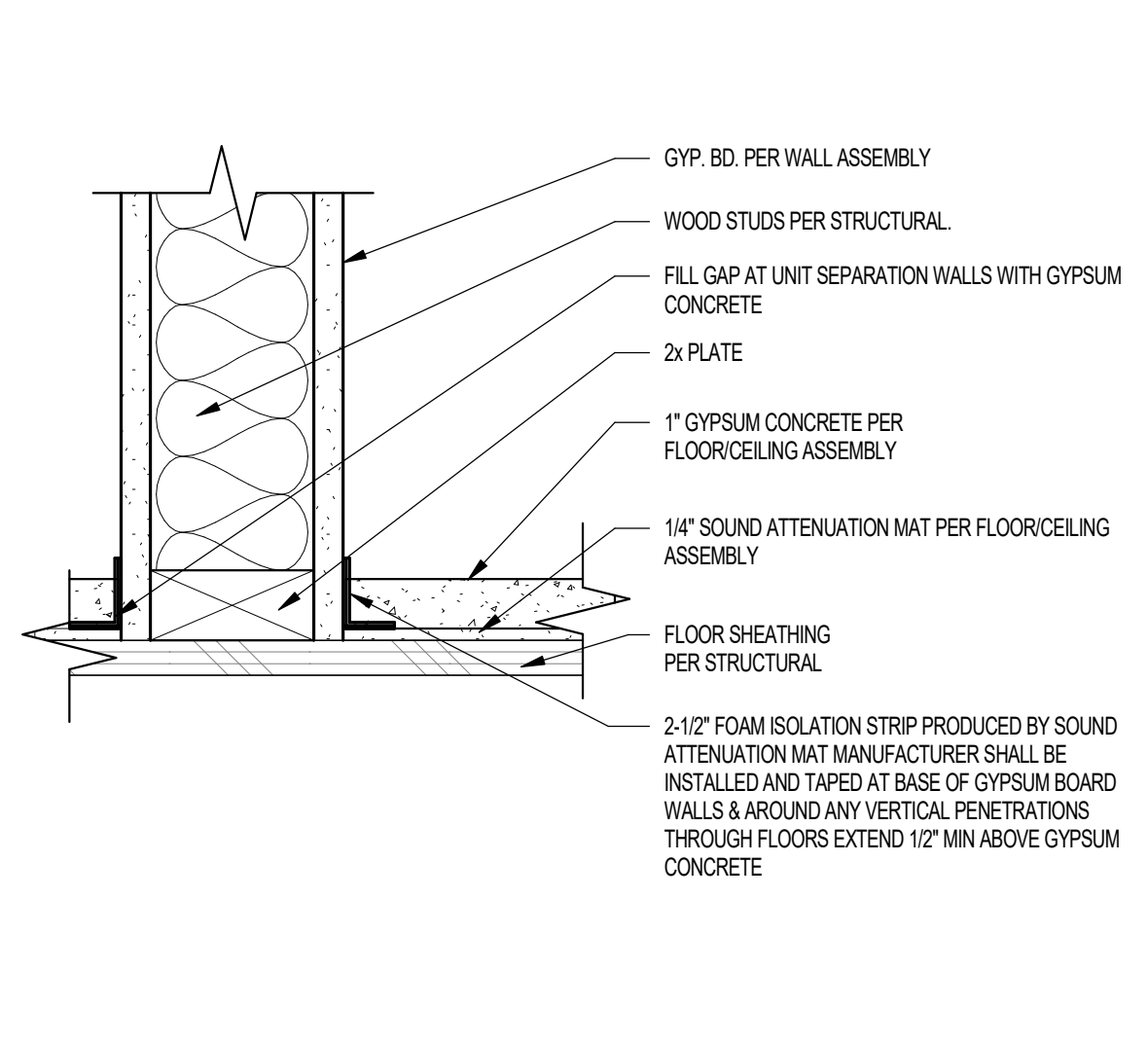
34 2-HR FIRE TREATED WOOD FRAMING AT GARAGE WALL
SCALE: 1 1/2" = 1'-0"



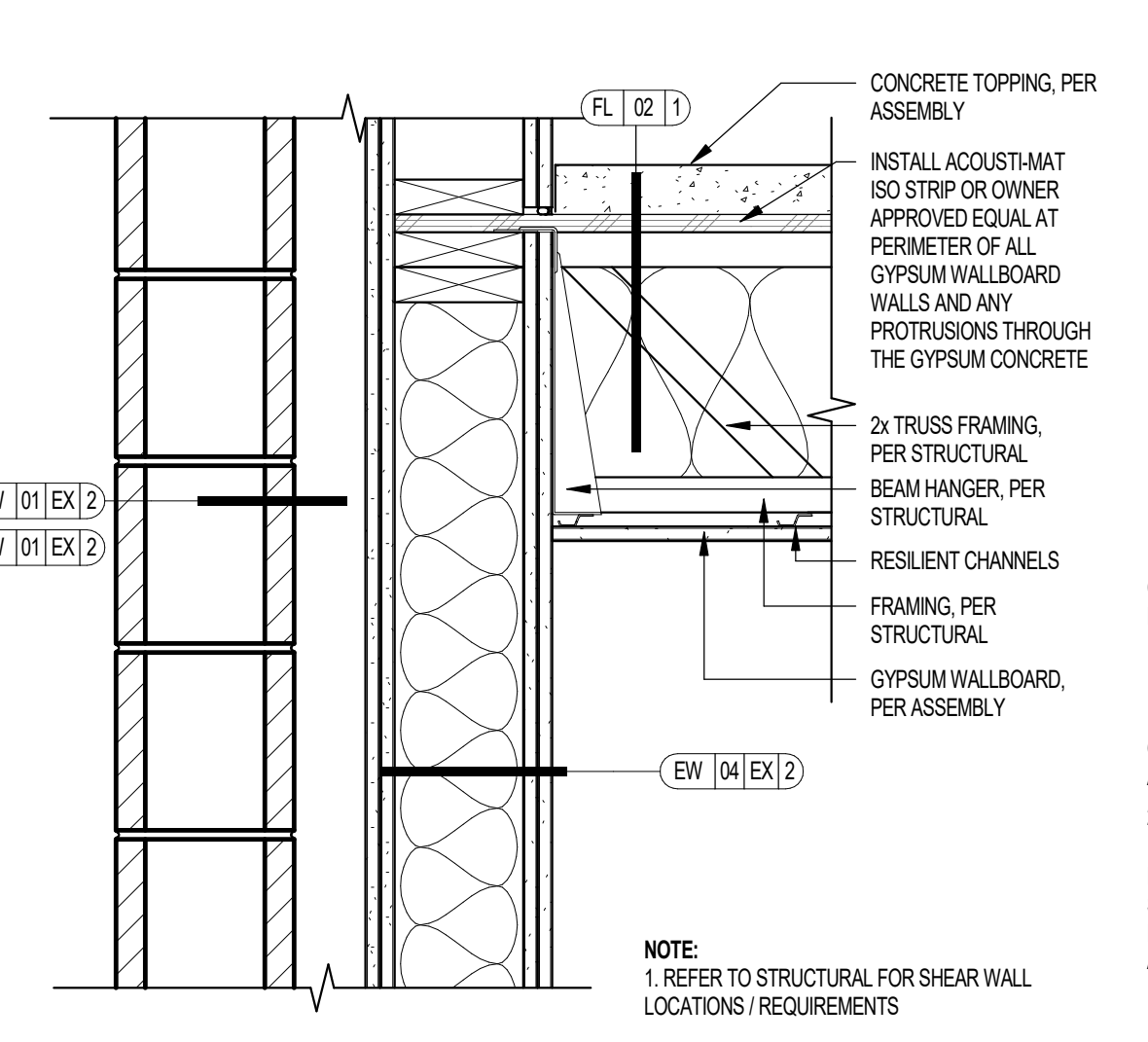
30 2-HR FLOOR / CEILING AT EXTERIOR WALL WOOD & METAL FRAMING AT PODIUM SLAB
SCALE: 1 1/2" = 1'-0"



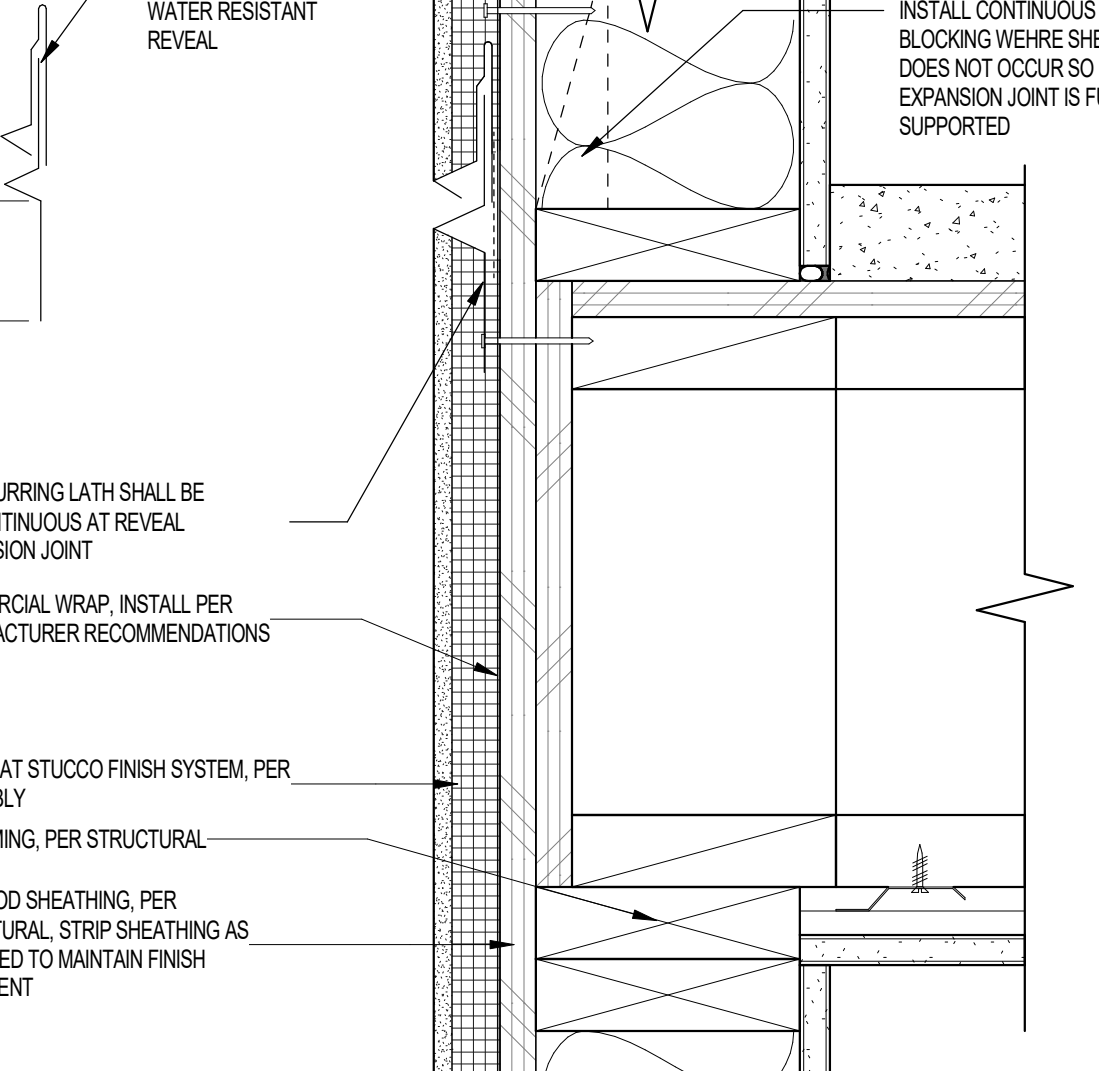
26 FLOOR / CEILING @ 2 HOUR RATED EXTERIOR WALL CEMENT BOARD FINISH
SCALE: 1 1/2" = 1'-0"



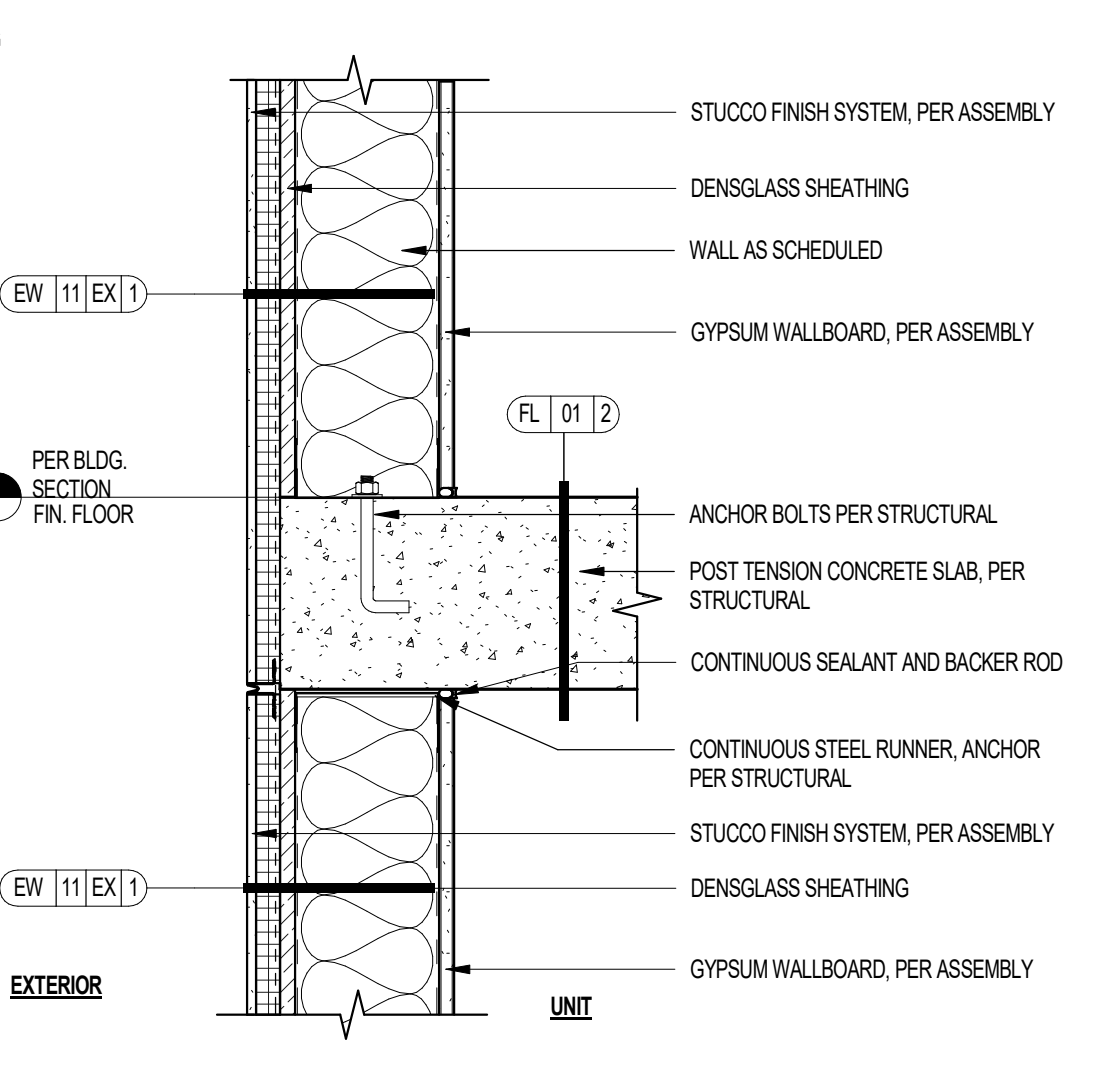
43 FOAM ISOLATION STRIP AT BASE OF WALLS AT GYPSUM CONCRETE
SCALE: 3" = 1'-0"



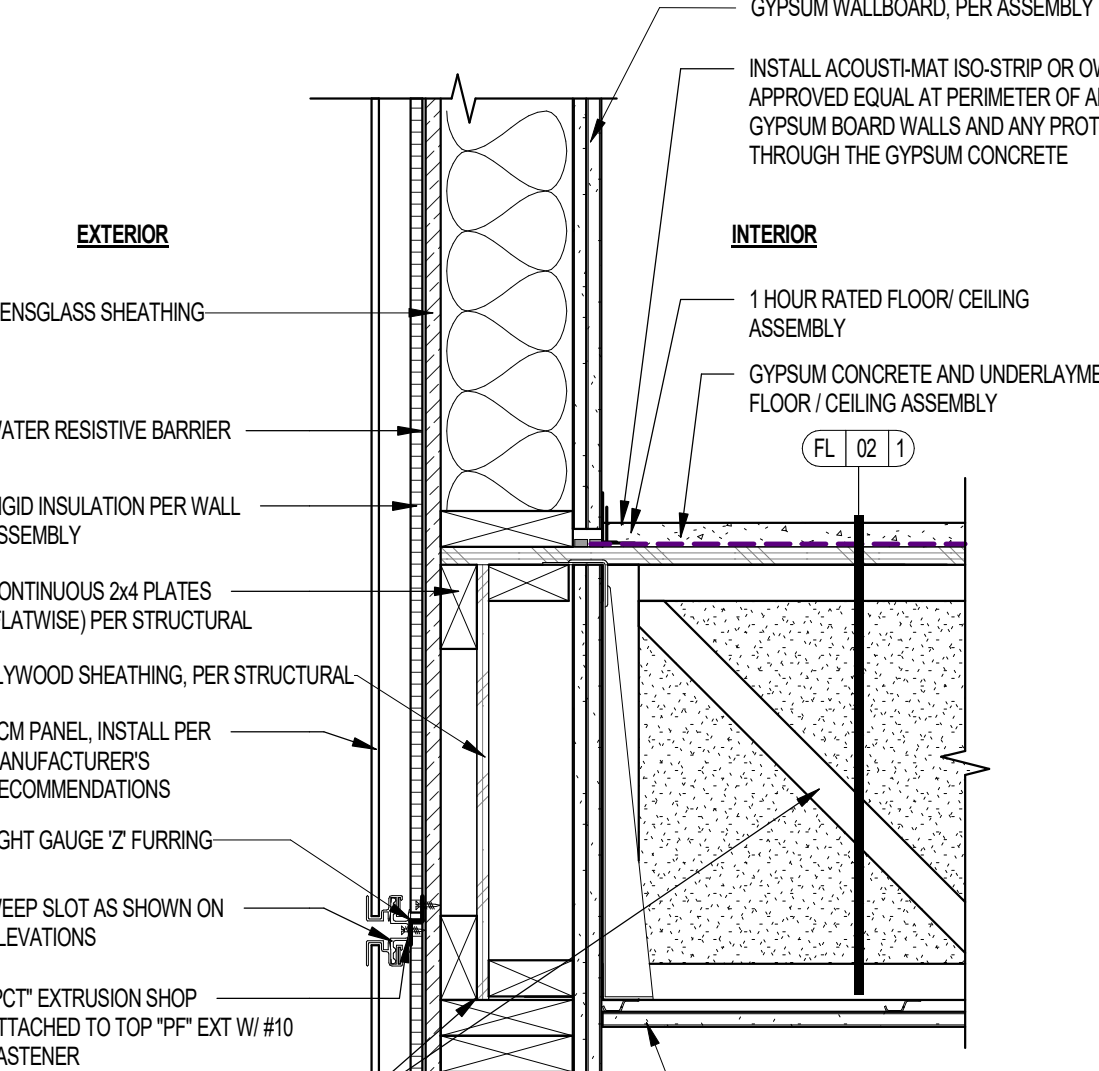
39 1HR FLOOR ASSEMBLY AT GARAGE WALL
SCALE: 1 1/2" = 1'-0"



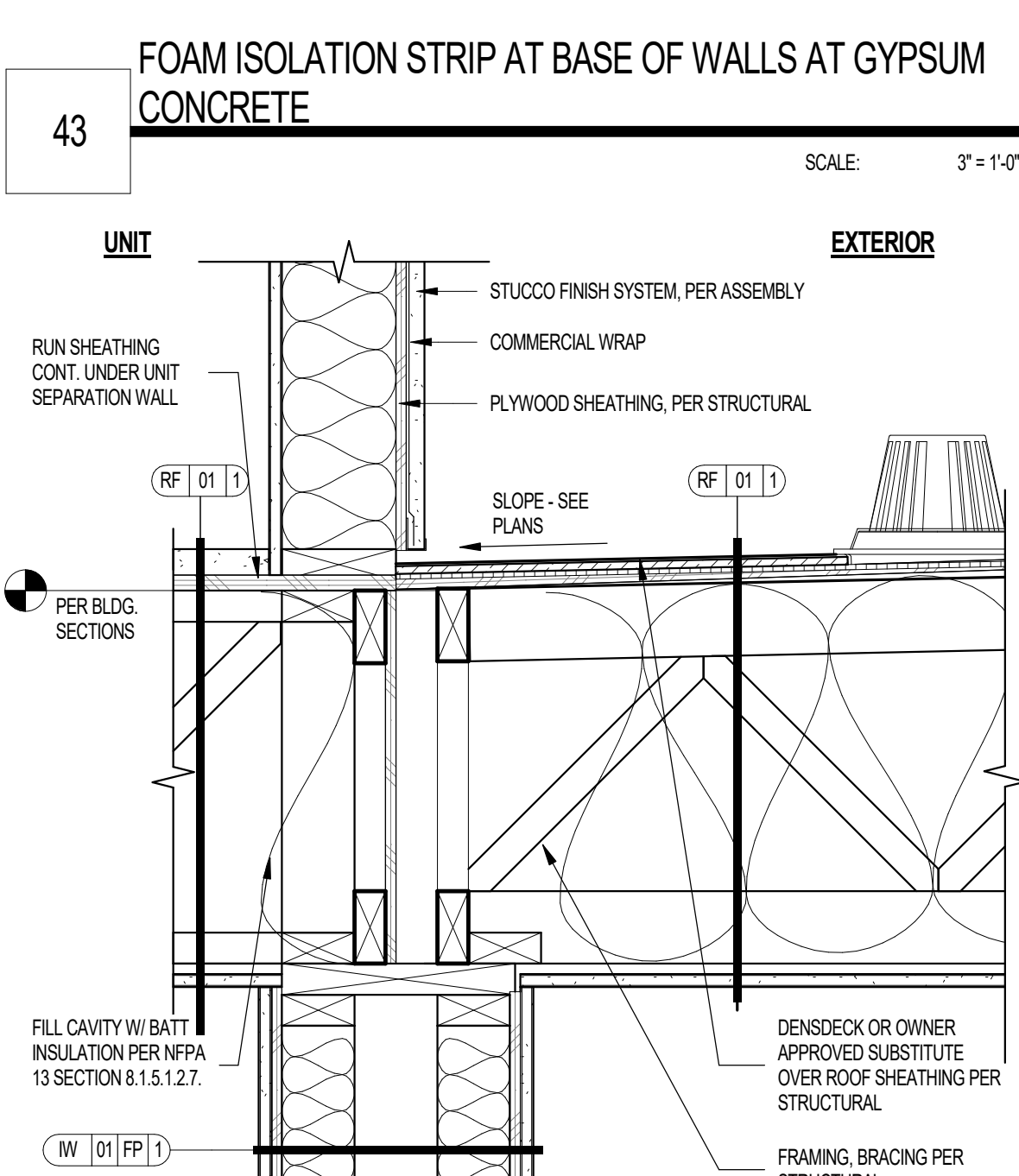
35 @ 1-COAT HORIZONTAL STUCCO EXPANSION JOINT
SCALE: 3" = 1'-0"



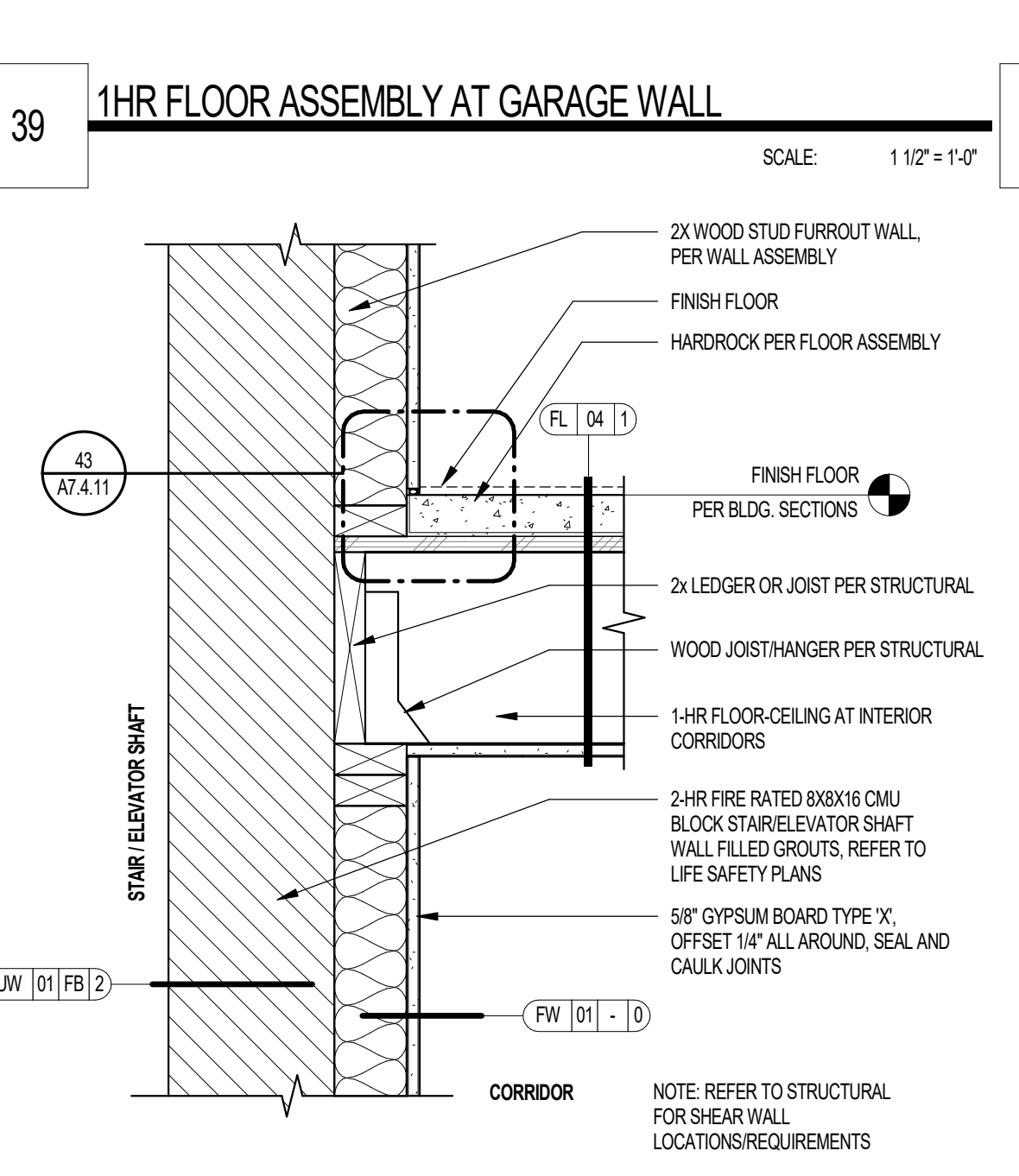
31 2-HR FLOOR / CEILING AT EXTERIOR WALL AT PODIUM SLAB
SCALE: 1 1/2" = 1'-0"



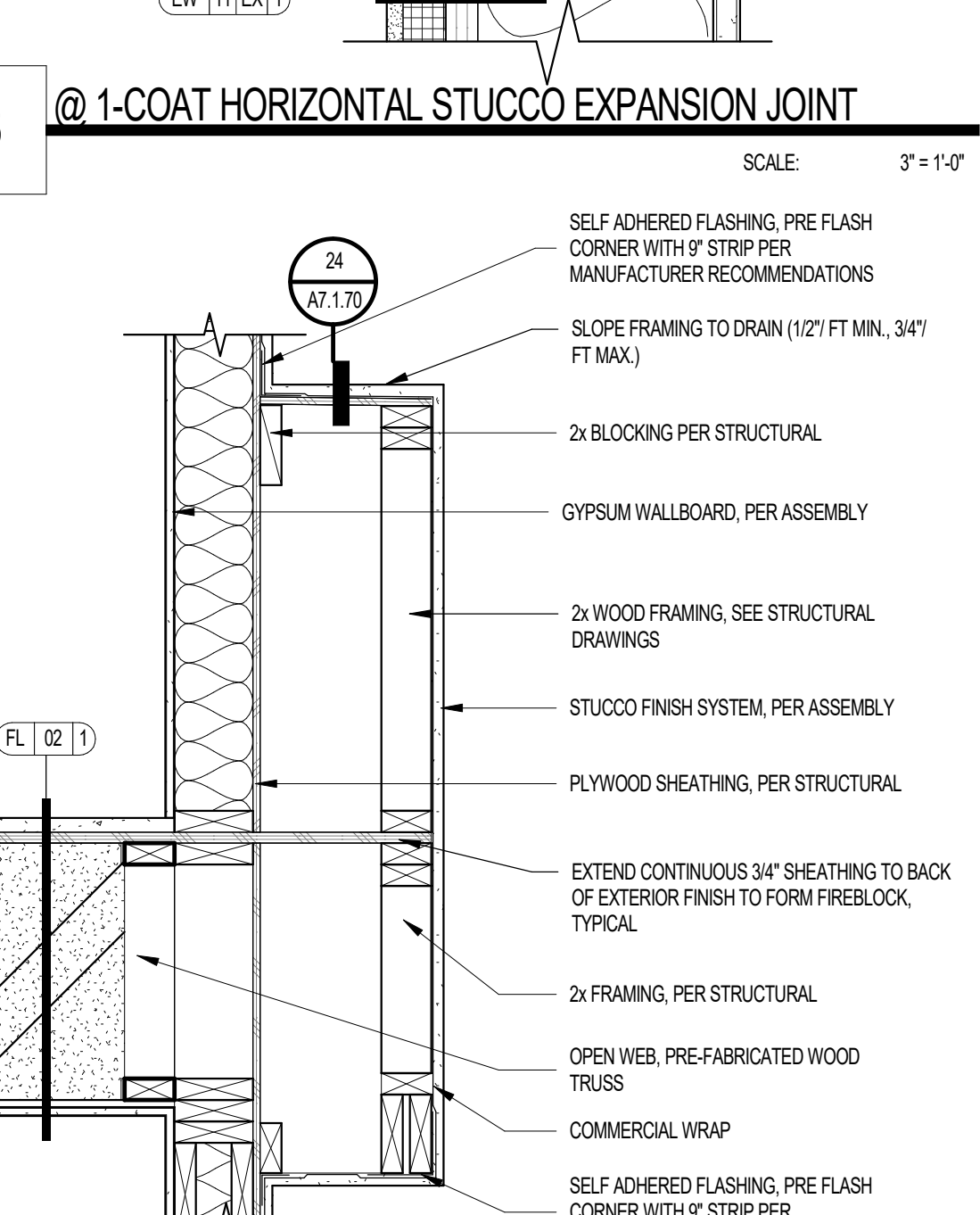
27 FLOOR / CEILING @ 2 HOUR RATED EXTERIOR WALL ACM PANEL
SCALE: 1 1/2" = 1'-0"



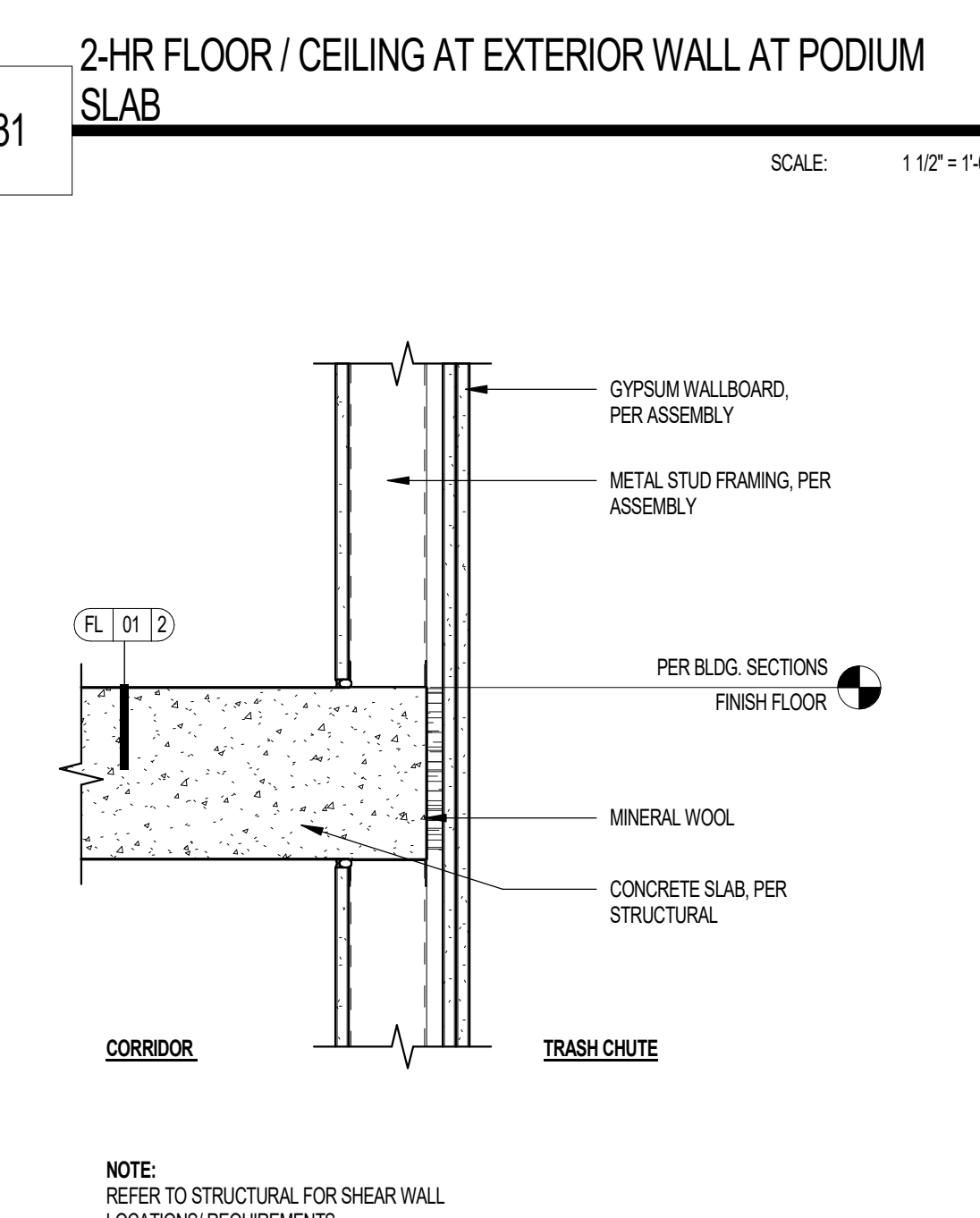
44 1-HR FLOOR / CEILING AT 1-HR UNIT SEPARATION WALL PARALLEL TO FLOOR TRUSSES
SCALE: 1 1/2" = 1'-0"



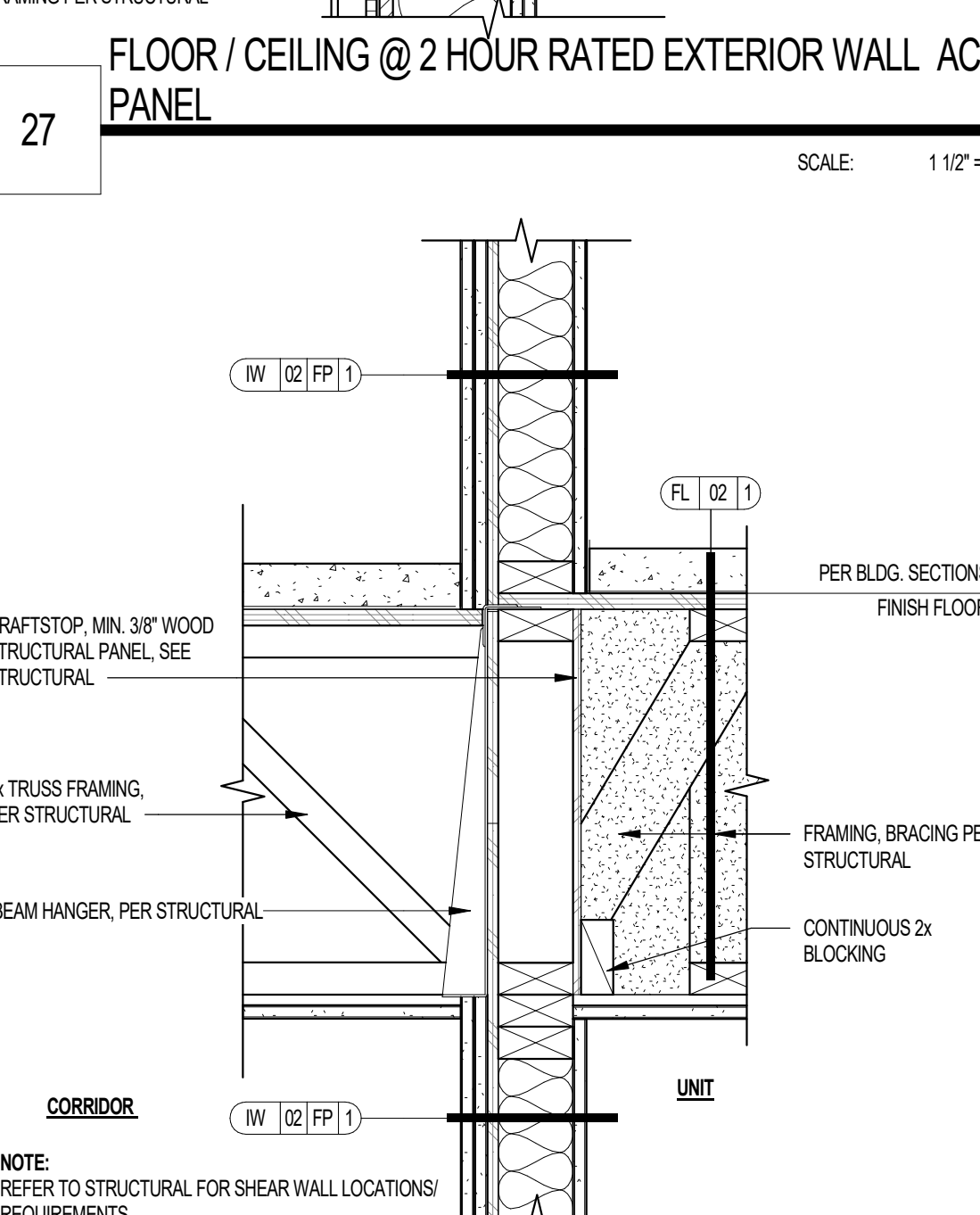
40 STAIR/ELEVATOR SHAFT FIRESTOP AT CORRIDOR JOISTS
SCALE: 1 1/2" = 1'-0"



36 STUCCO BUILT-OUT AT WINDOWS
SCALE: 1" = 1'-0"



32 2-HR BARRIER AT POST TENSION SLAB
SCALE: 1 1/2" = 1'-0"



28 1-HR FLOOR / CEILING AT 1-HR CORRIDOR WALL - OPEN WEB CORRIDOR FRAMING
SCALE: 1 1/2" = 1'-0"

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Project Name 2
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City, State

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This contract allows the contractor to request the submission of bills of materials or bills of labor when the project is under construction. This contract shall be subject to the terms and conditions of the alternate billing schedule after certification and approval of bills and estimates. A written receipt of work order billing request shall be provided to the project manager within the time frame of the contract.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

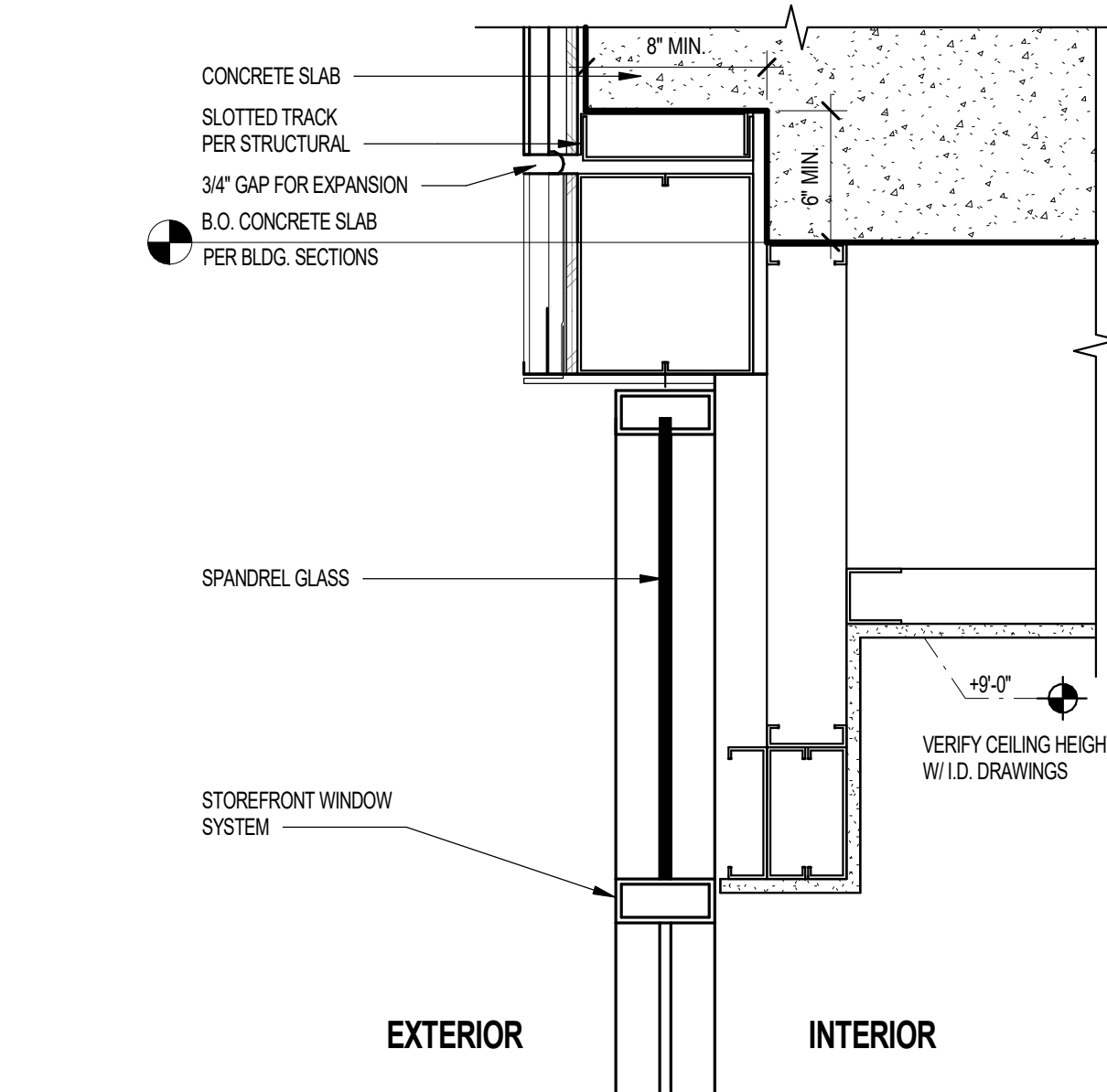
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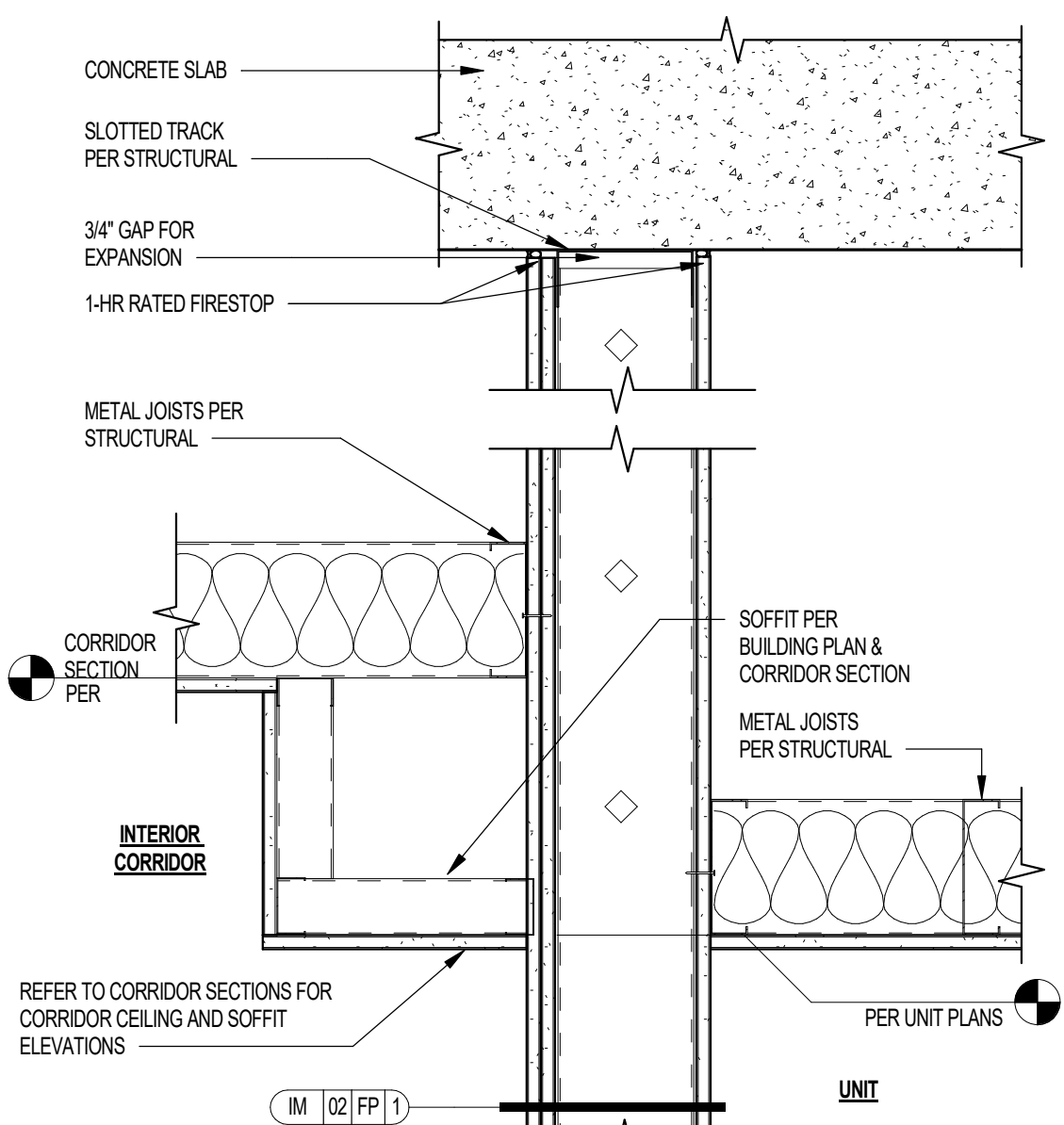
REVISIONS / SUBMITTALS	
DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

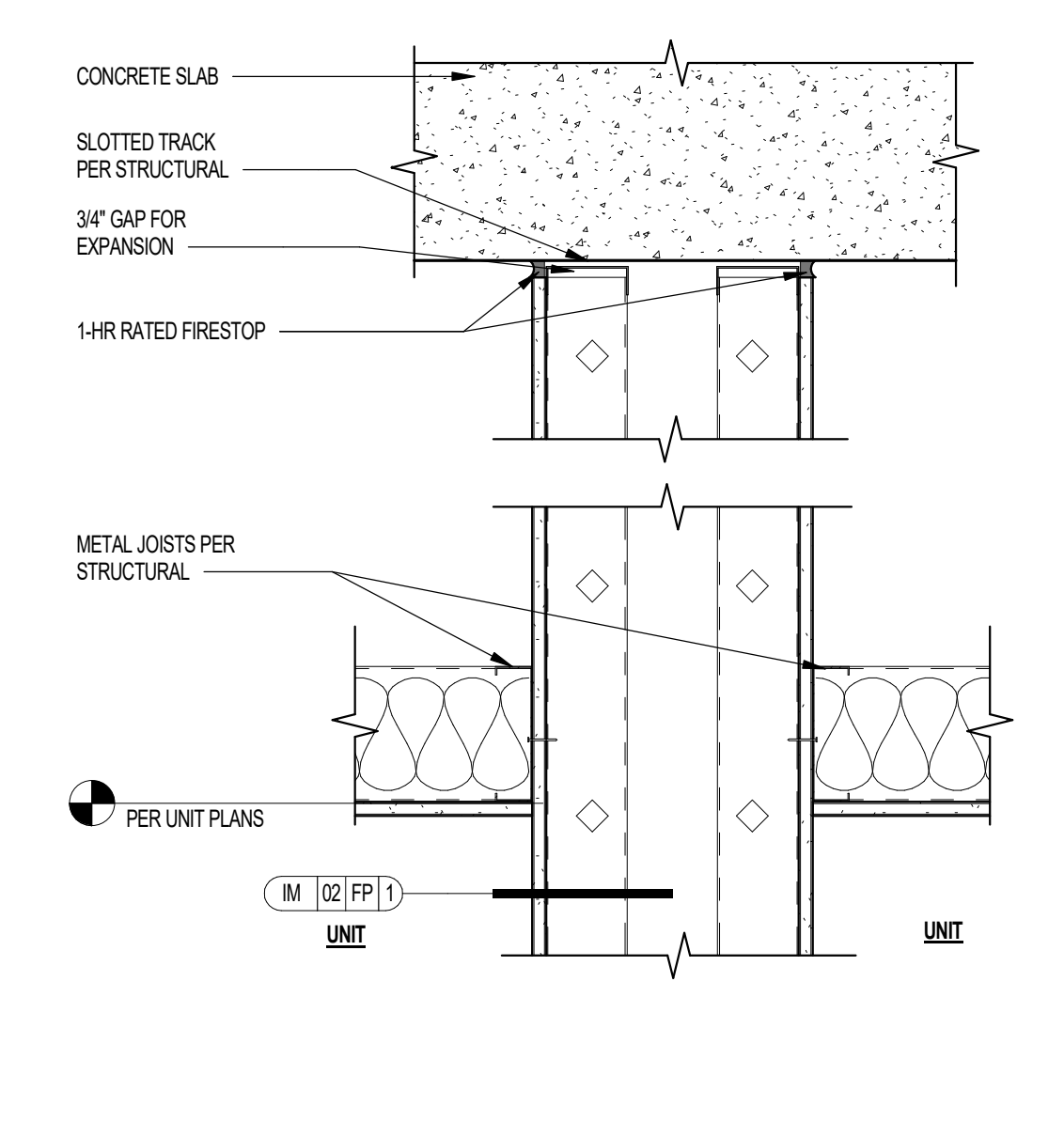
A7.4.11
FLOOR-CEILING DETAILS WOOD FRAMING



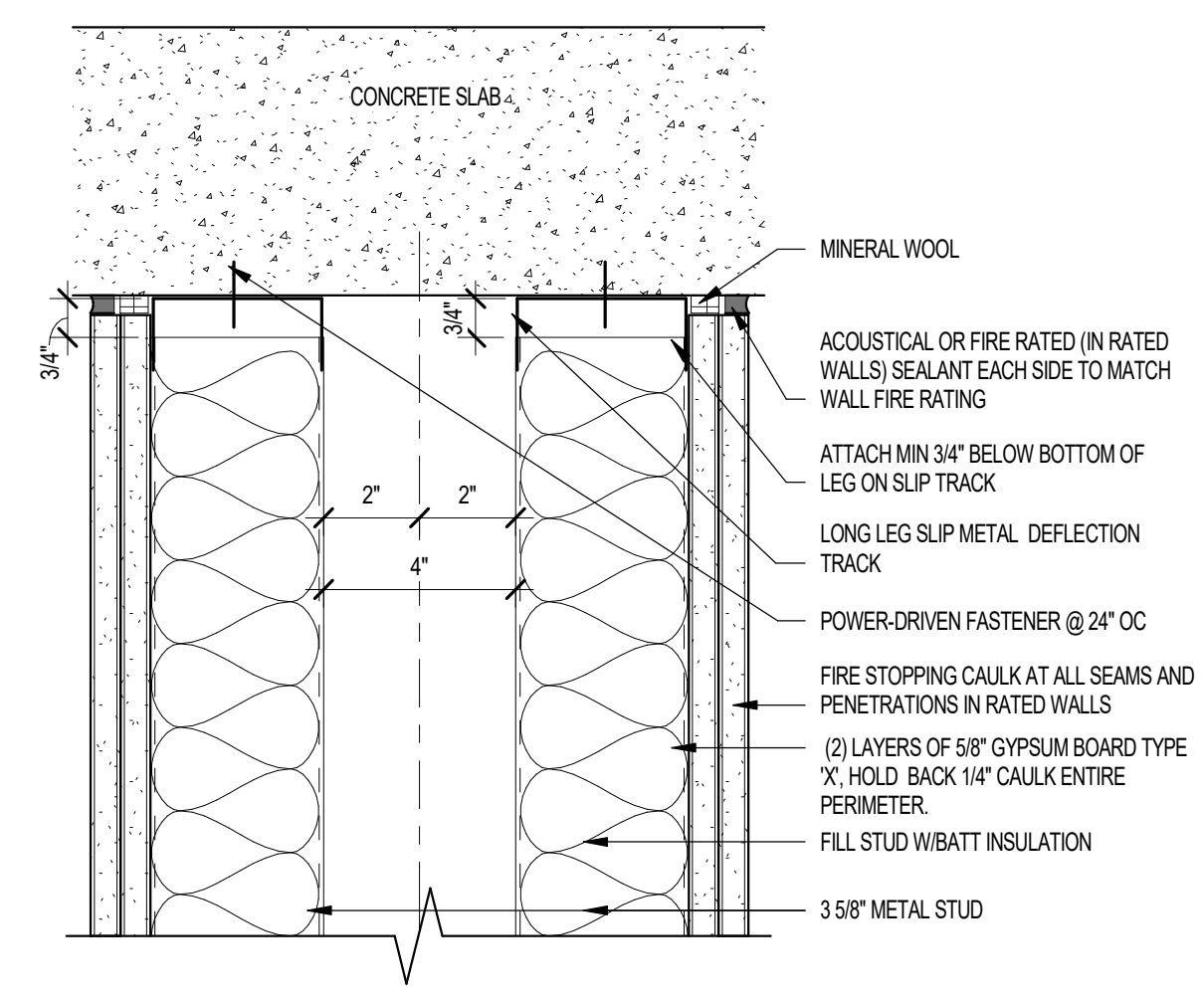
09 STOREFRONT BELOW PODIUM SLAB SCALE: 1 1/2" = 1'-0"



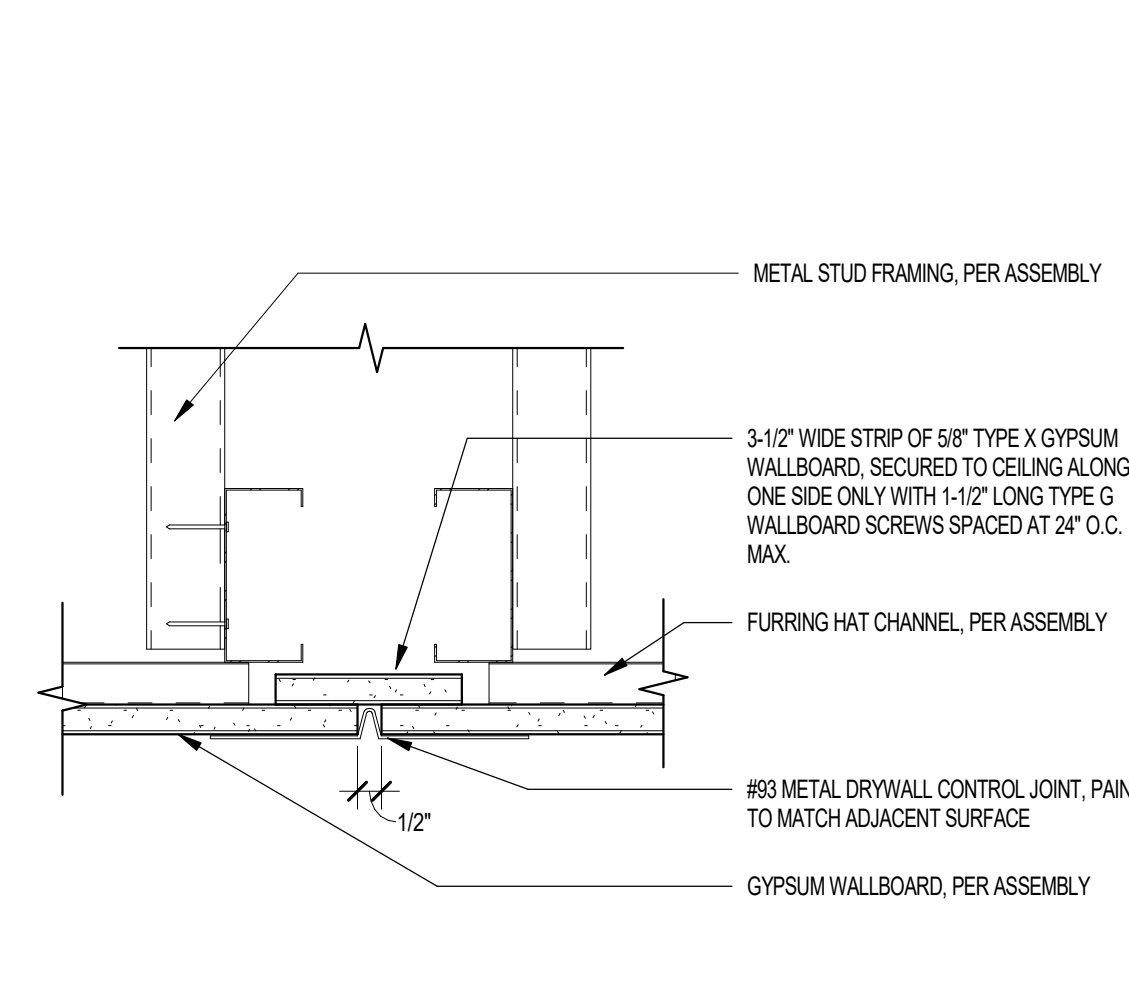
05 DROP CEILING AT INTERIOR CORRIDOR WALL SCALE: 1 1/2" = 1'-0"



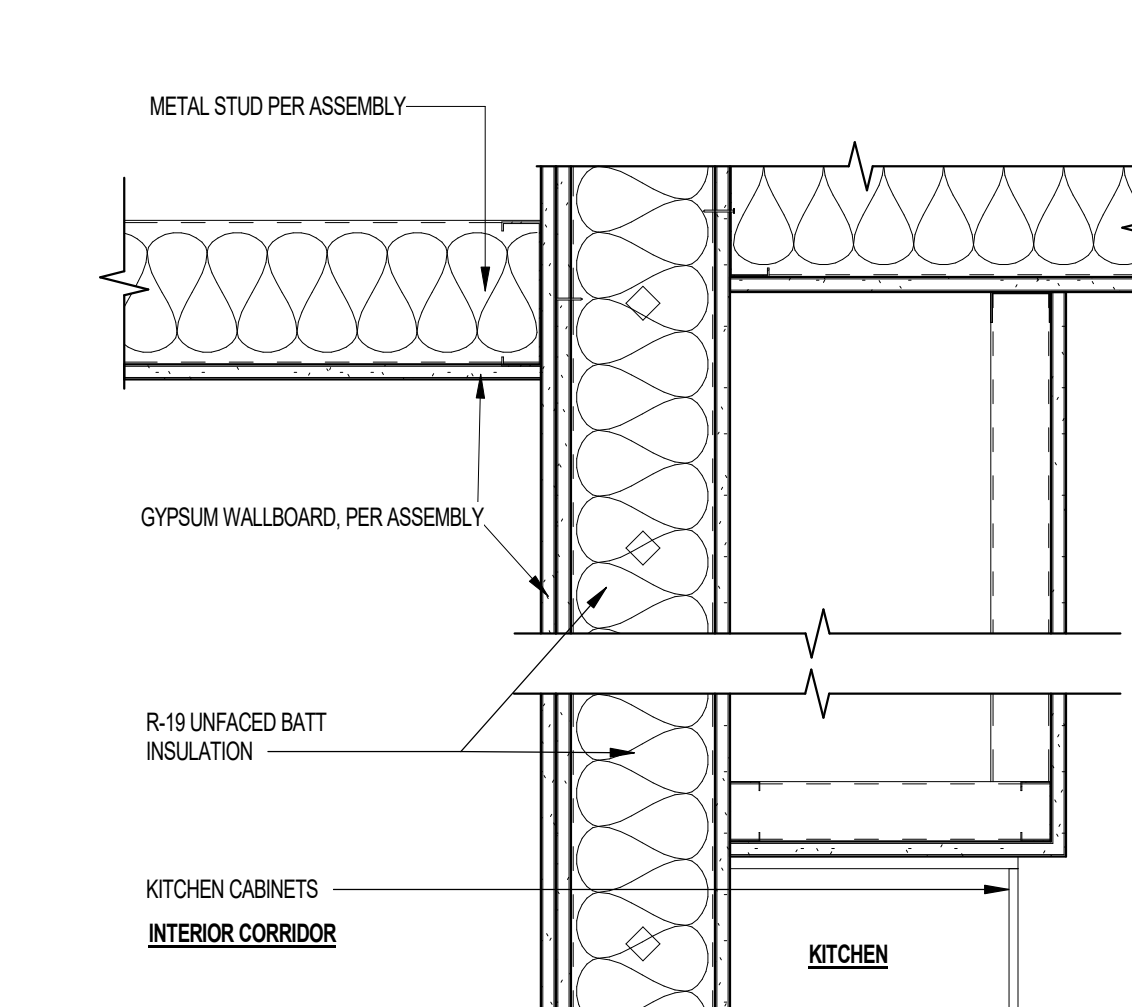
01 DROP CEILING AT UNIT SEPARATION WALL SCALE: 1 1/2" = 1'-0"



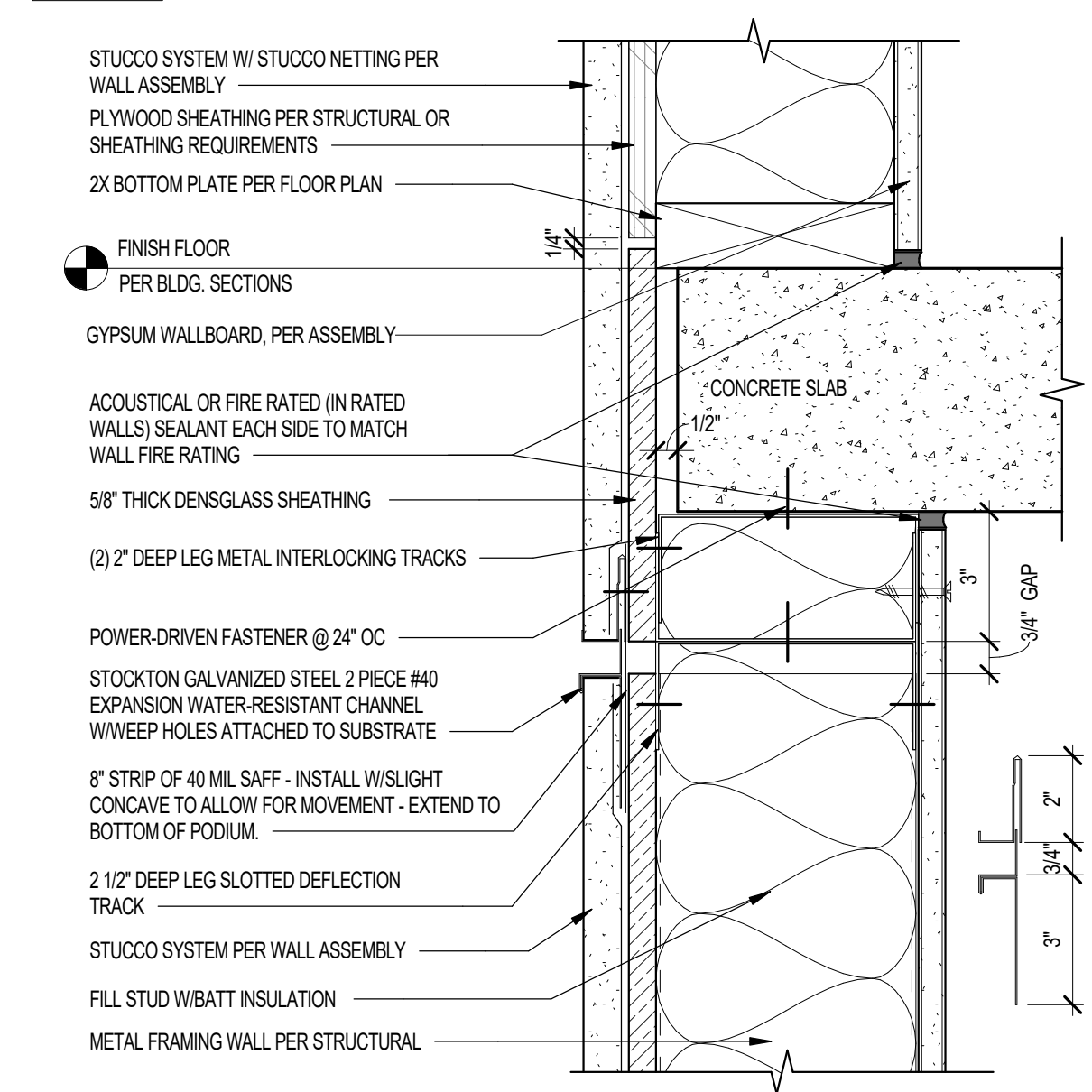
10 DOUBLE MTL STUD WALL DEFLECTION JOINT SCALE: 3" = 1'-0"



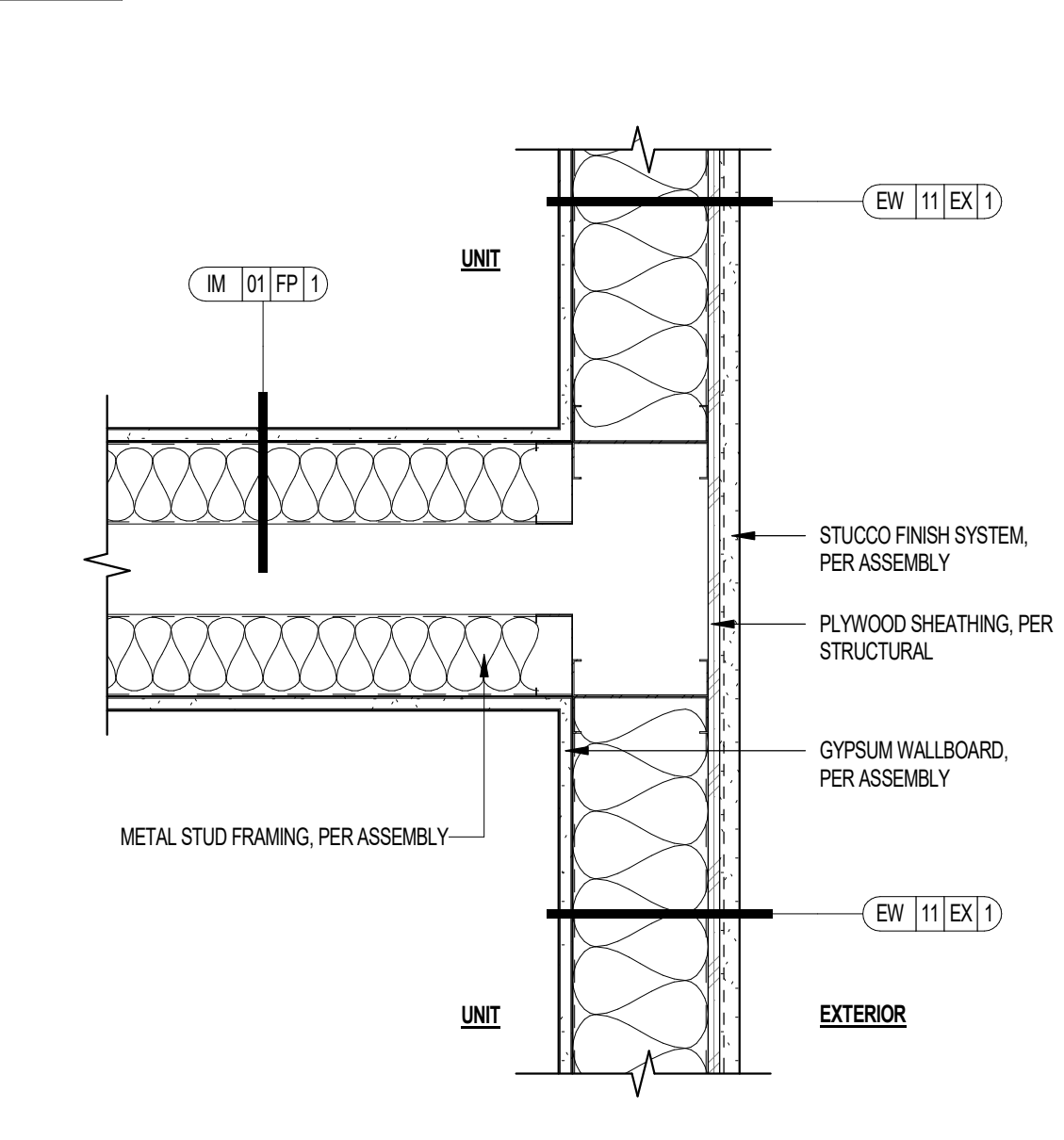
06 CEILING CONTROL JOINT - NOT RATED SCALE: 3" = 1'-0"



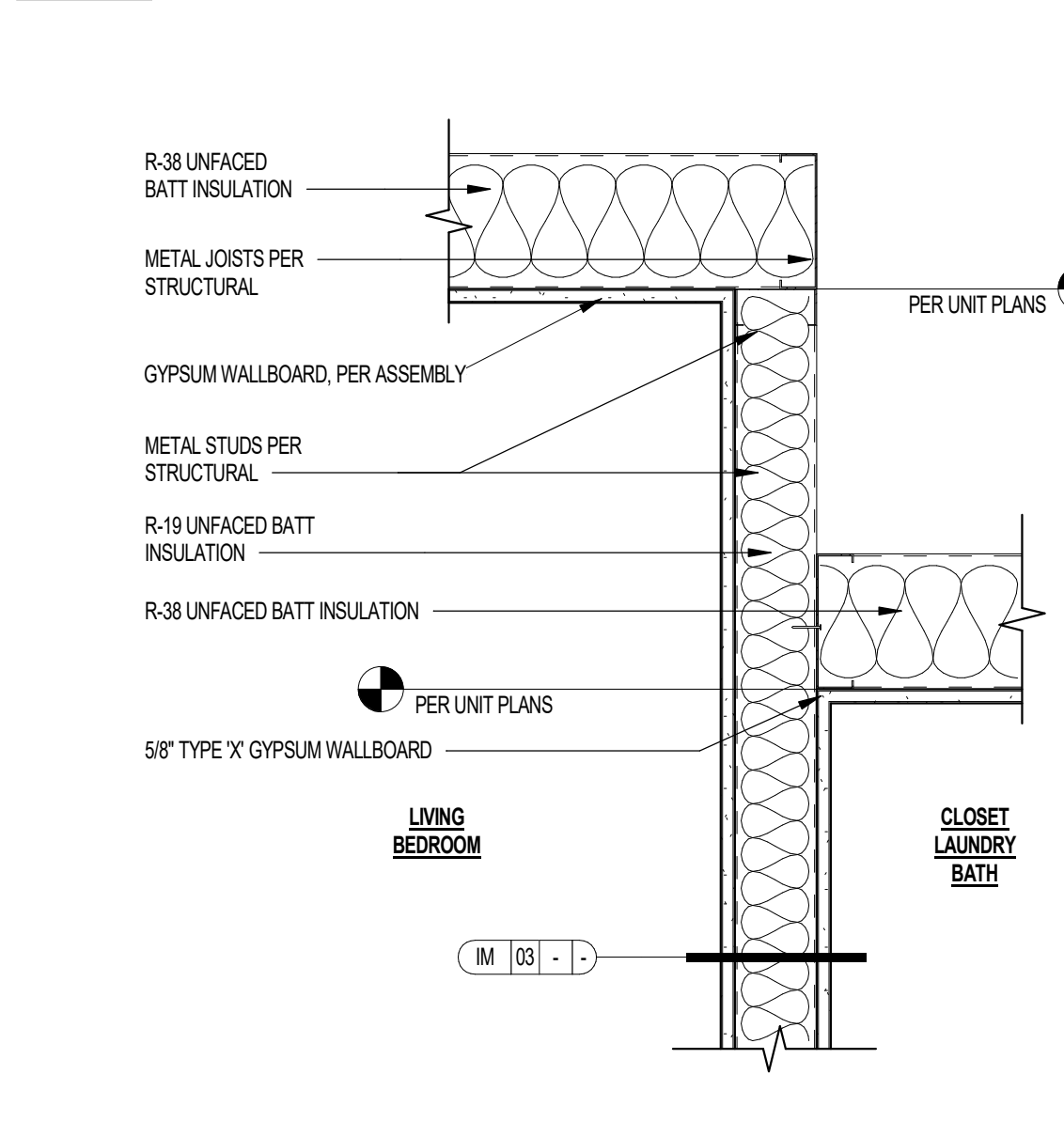
02 DROP CEILING AT KITCHEN / CORRIDOR SCALE: 1 1/2" = 1'-0"



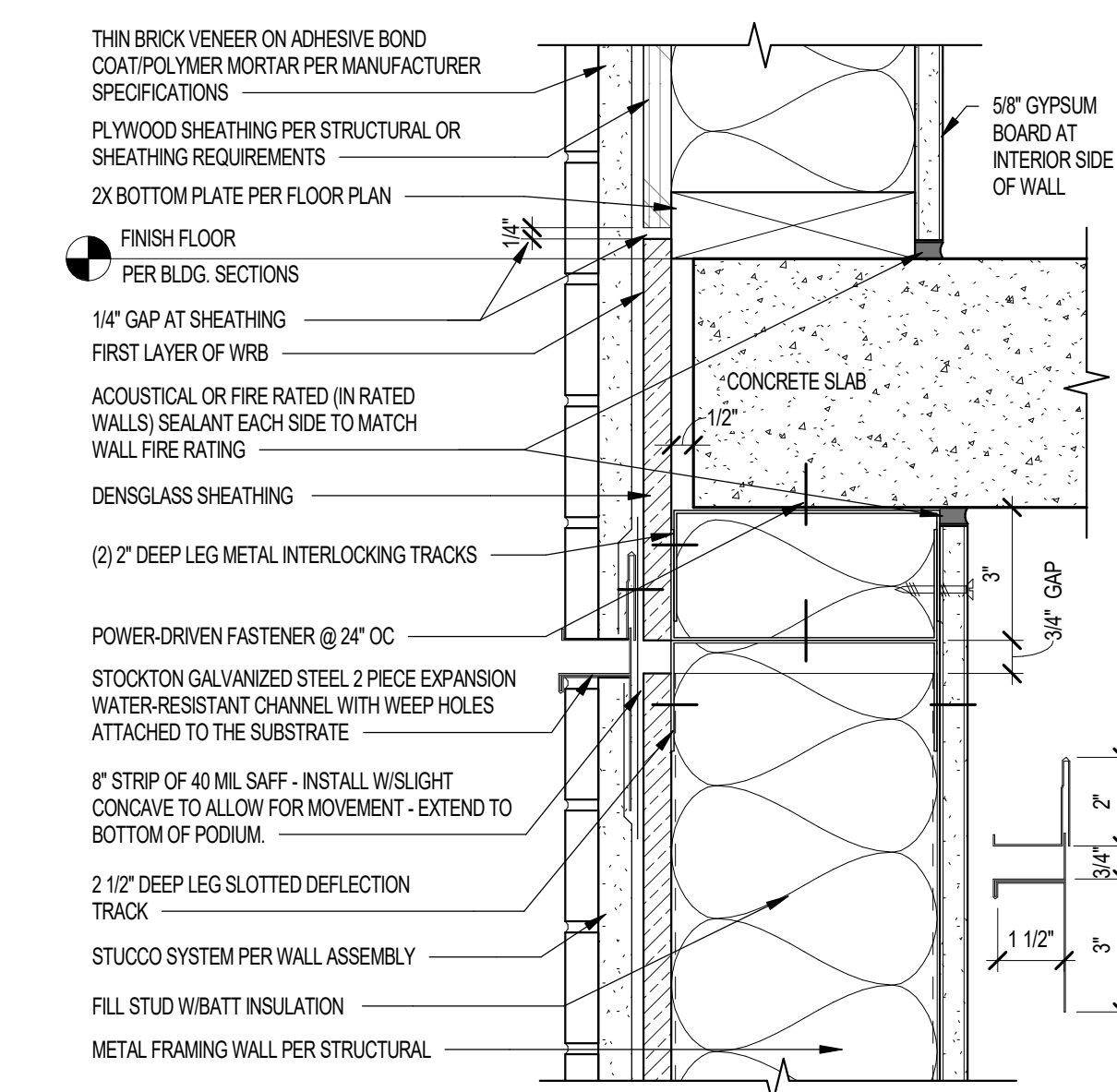
11 STUCCO DEFLECTION JOINT AT CONCRETE SLAB EDGE SCALE: 3" = 1'-0"



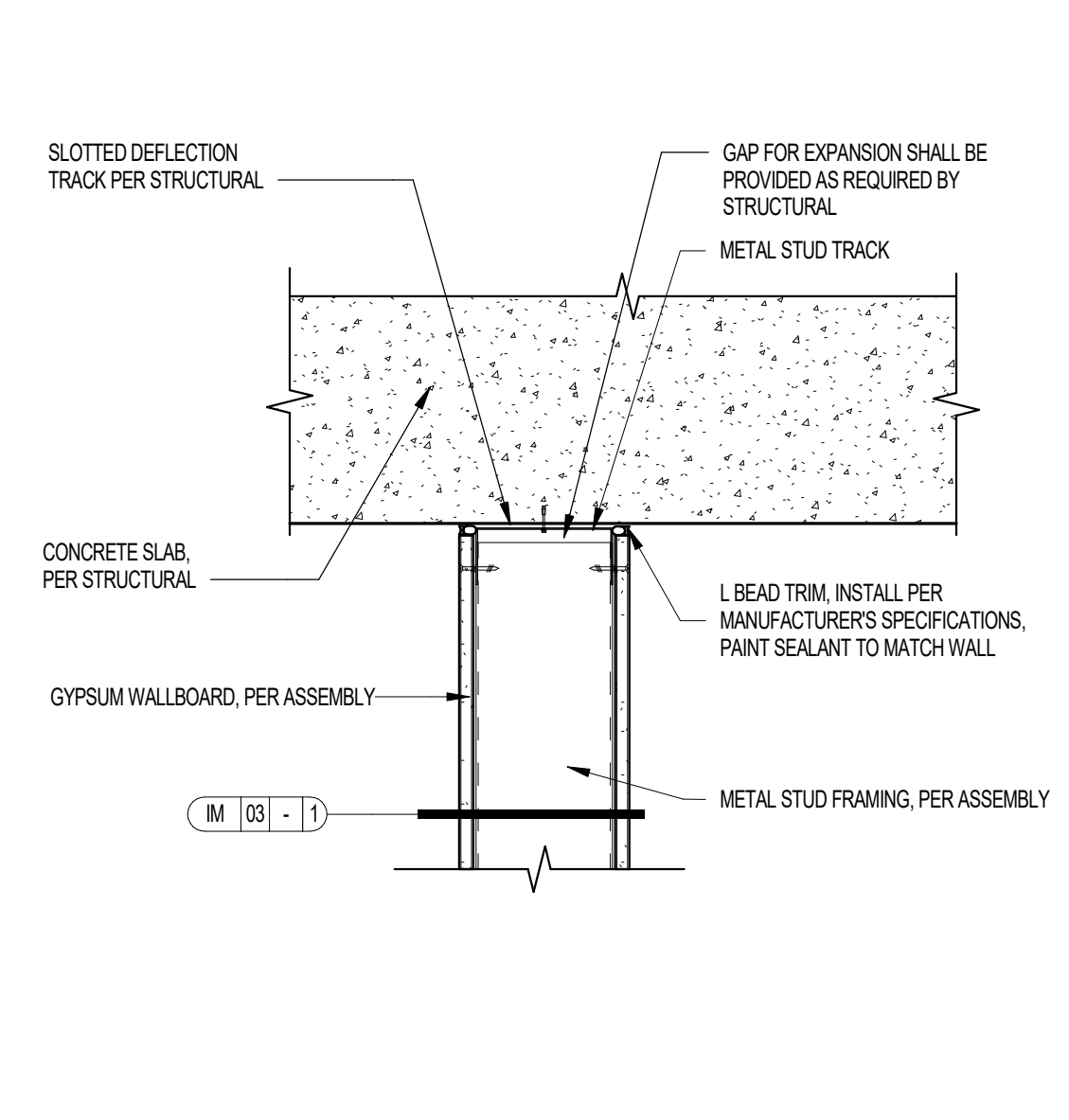
07 UNIT SEPARATION WALL AT EXTERIOR WALL - PLAN VIEW SCALE: 1 1/2" = 1'-0"



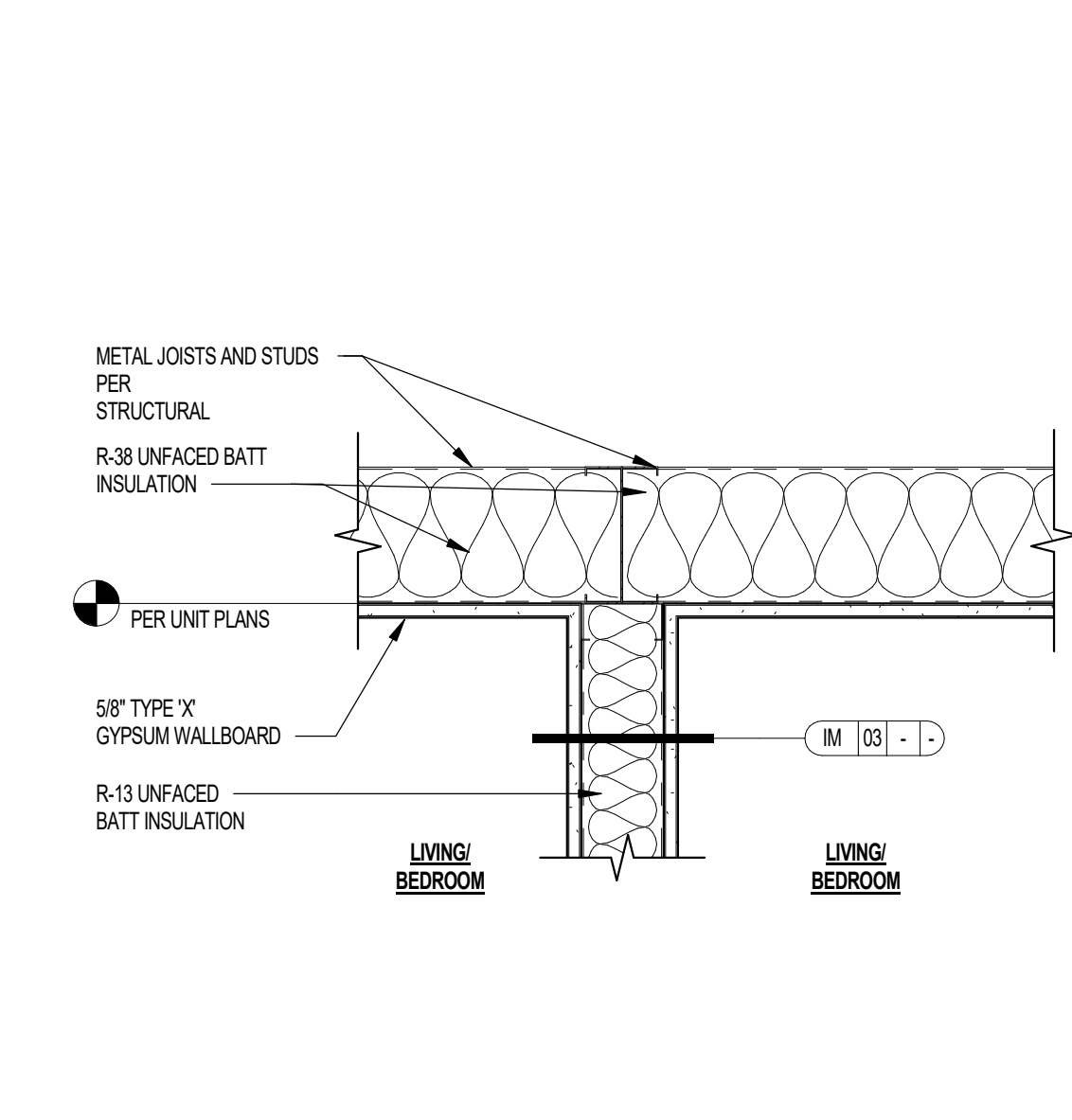
03 CEILING ALIGNMENT/FRAMING AT INTERIOR WALLS SCALE: 1 1/2" = 1'-0"



12 BRICK VENEER DEFLECTION JOINT AT CONCRETE SLAB EDGE SCALE: 3" = 1'-0"



08 INTERIOR NON-RATED METAL STUD WALL AT CONCRETE SLAB CEILING SCALE: 1 1/2" = 1'-0"



04 DROP CEILING AT UNIT INTERIOR WALL BEDROOM-LIVING ROOM SCALE: 1 1/2" = 1'-0"

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This contract allows (they allow) the owner to request the admission of billing or advances to billing cycle other than the first cycle. This contract shall be void unless approved by owner alternate schedule after certification and approval of billing and estimates. A further description of such other billing cycle applies to the project is available from the owner or the owner's design agent at:

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written description on request.

Contractor must verify all dimensions of project before proceeding with this work.

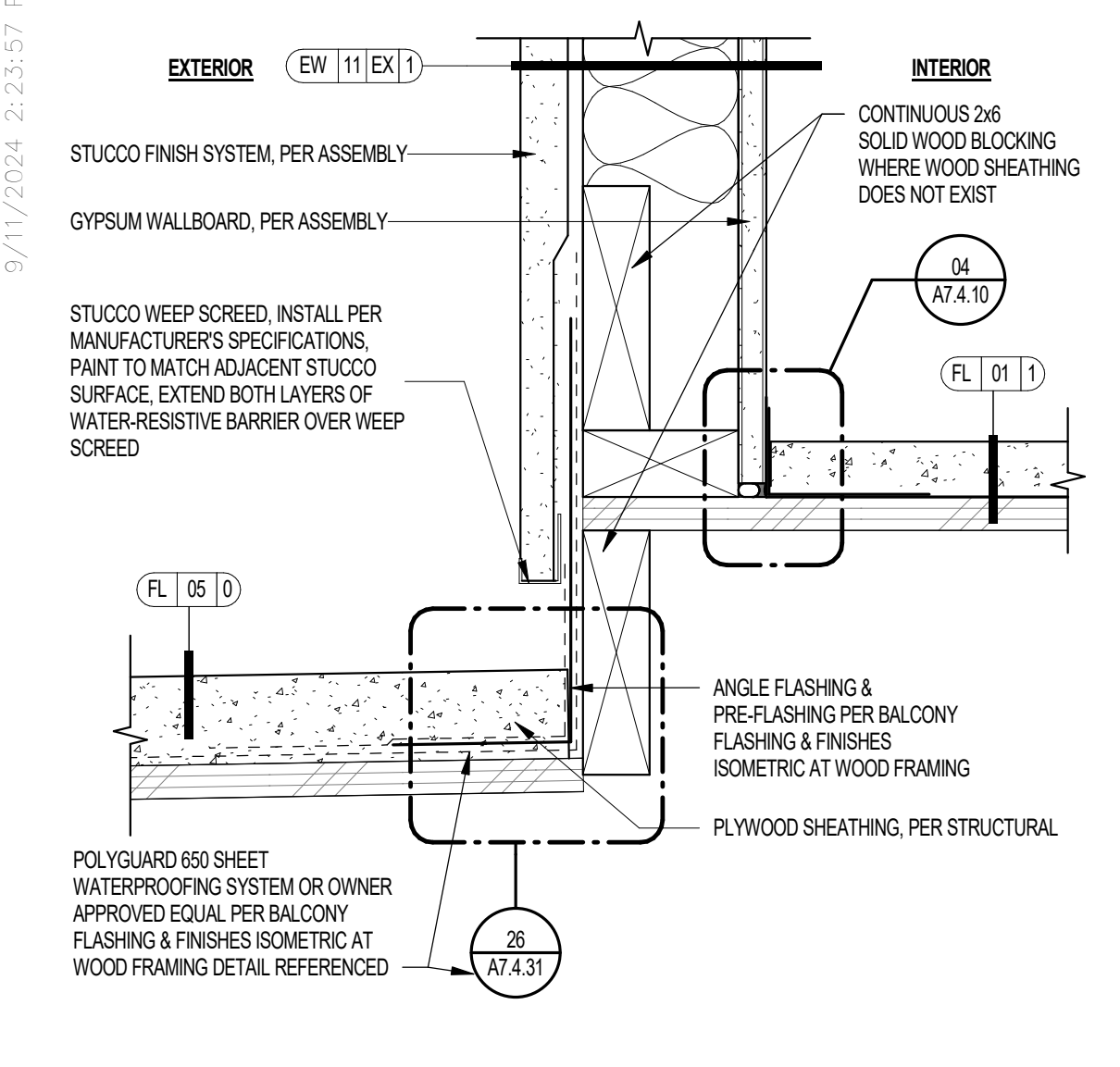
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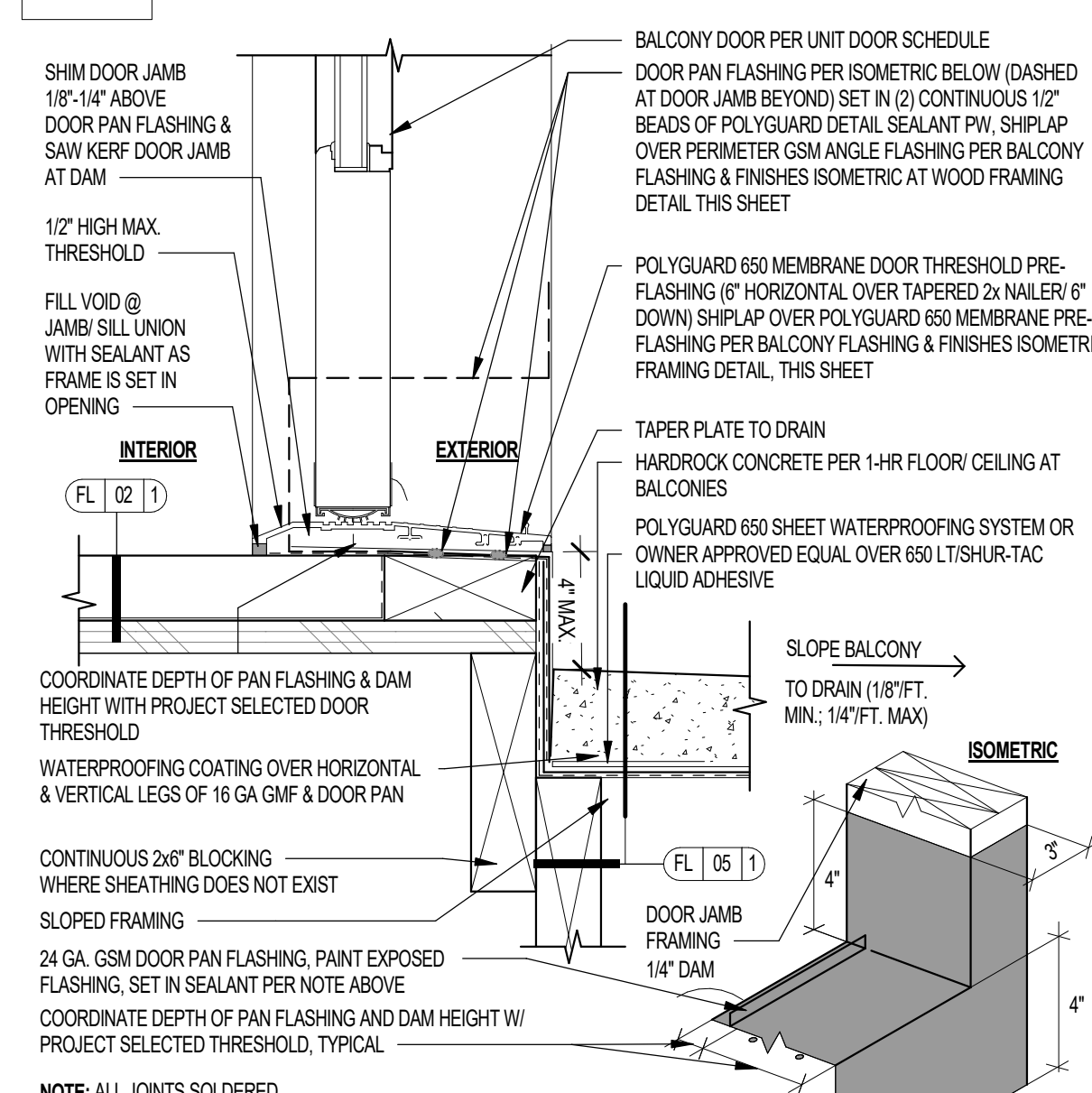
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

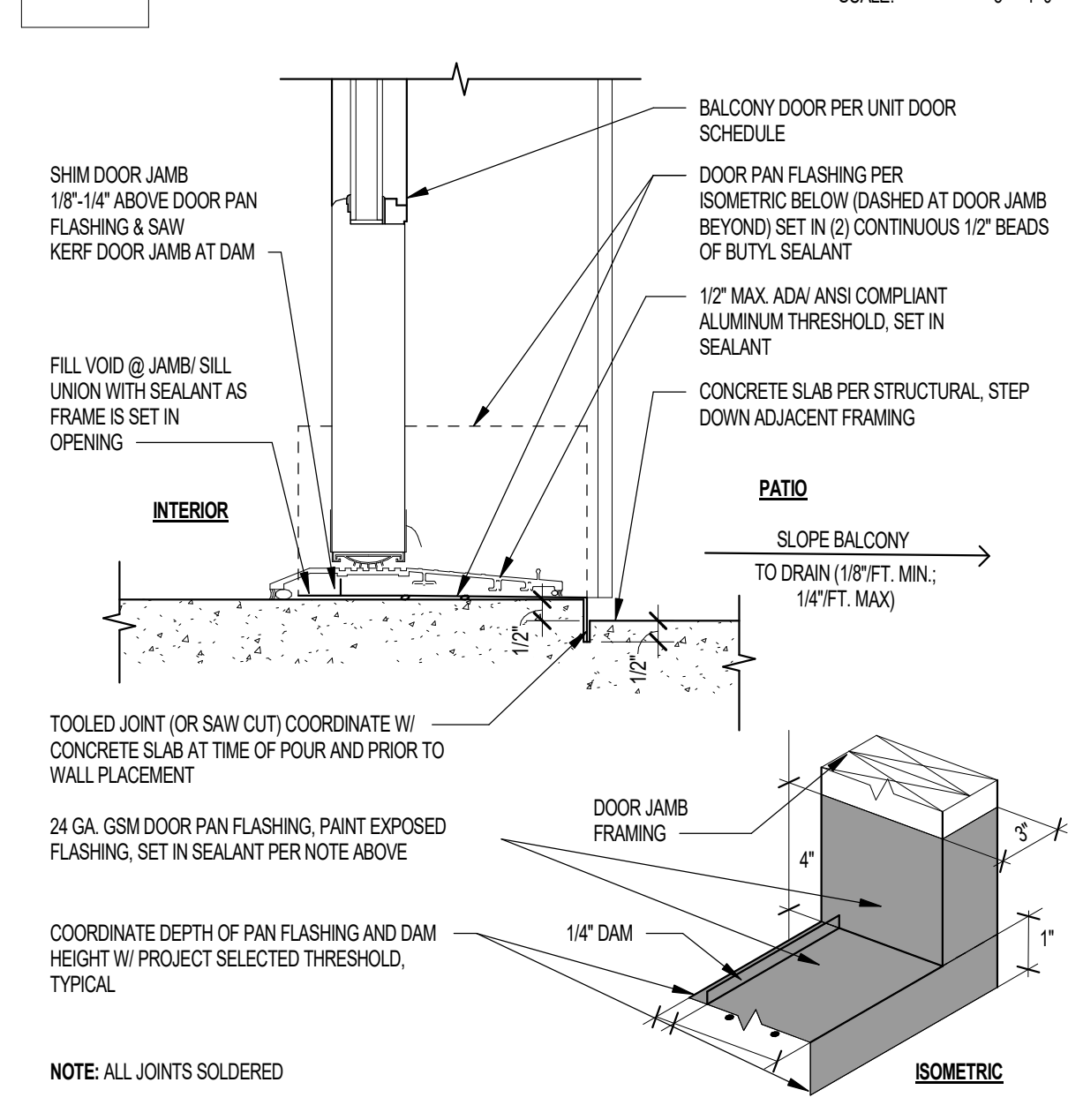
A7.4.20
FLOOR-CEILING DETAILS METAL FRAMING



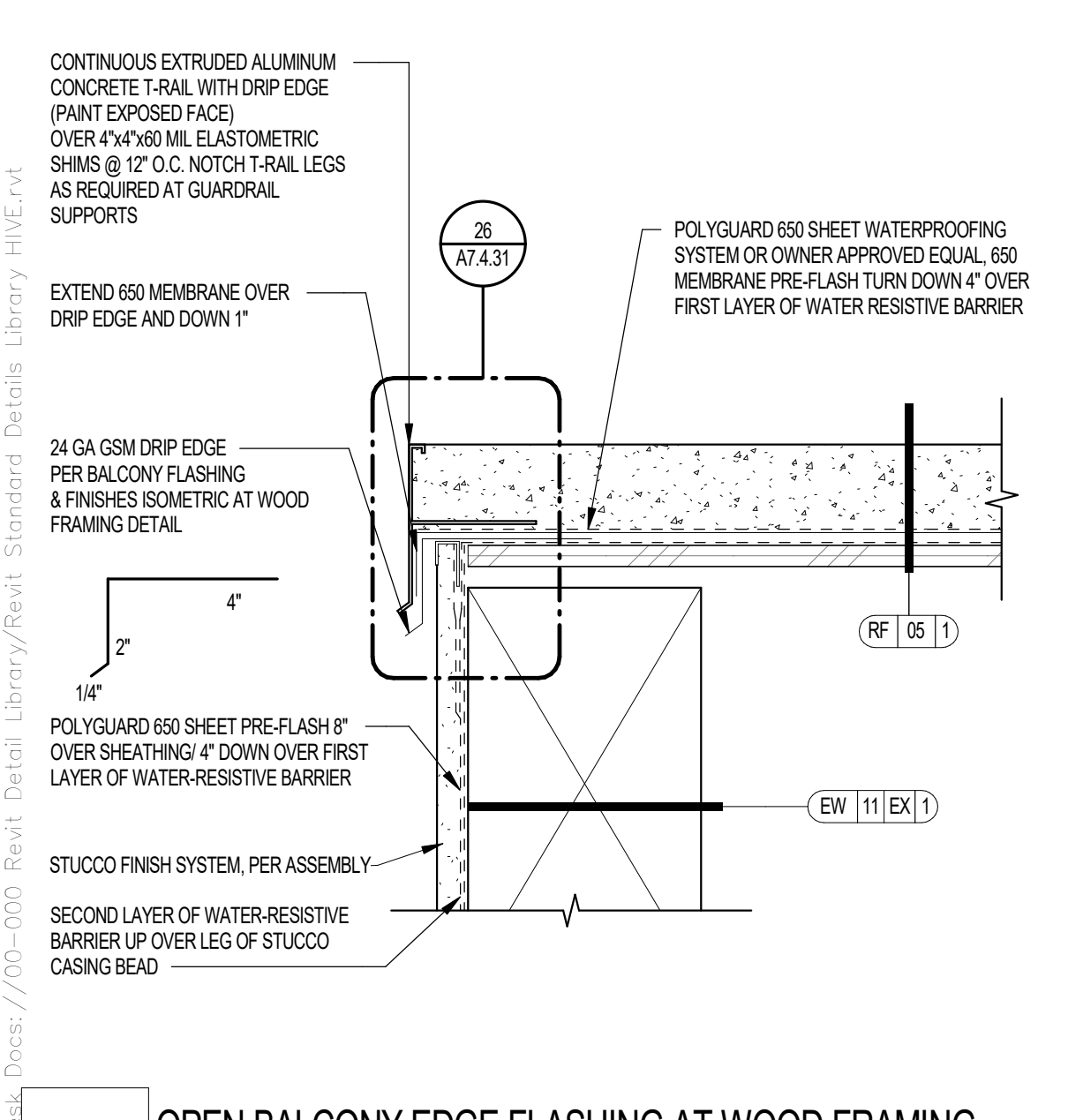
21 BALCONY FLASHING @ 1 HR RATED STUCCO EXTERIOR WALL - ANSI TYPE B UNIT



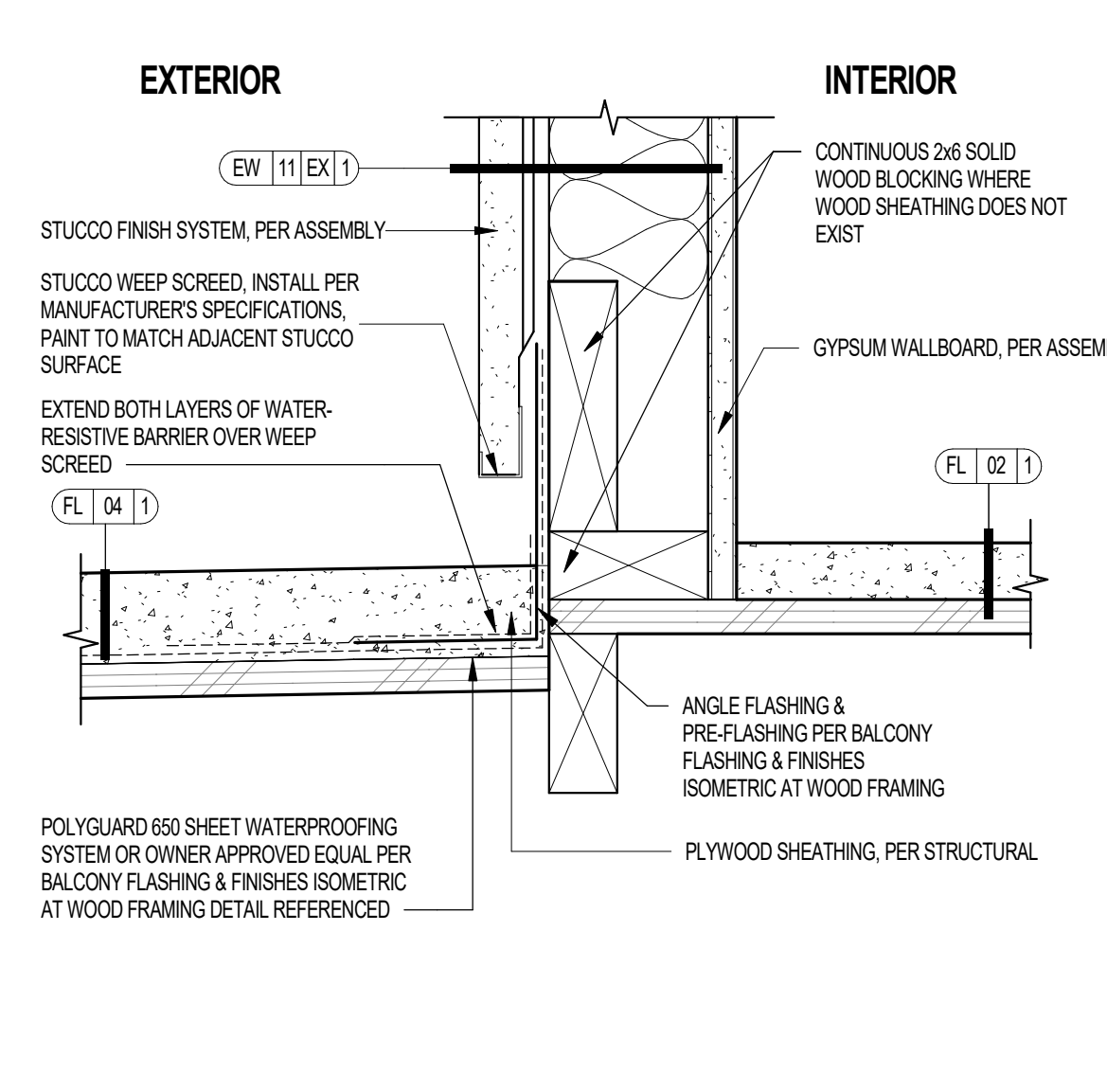
22 BALCONY DOOR SILL FLASHING @ WOOD FRAMED BALCONY - ANSI TYPE B UNIT



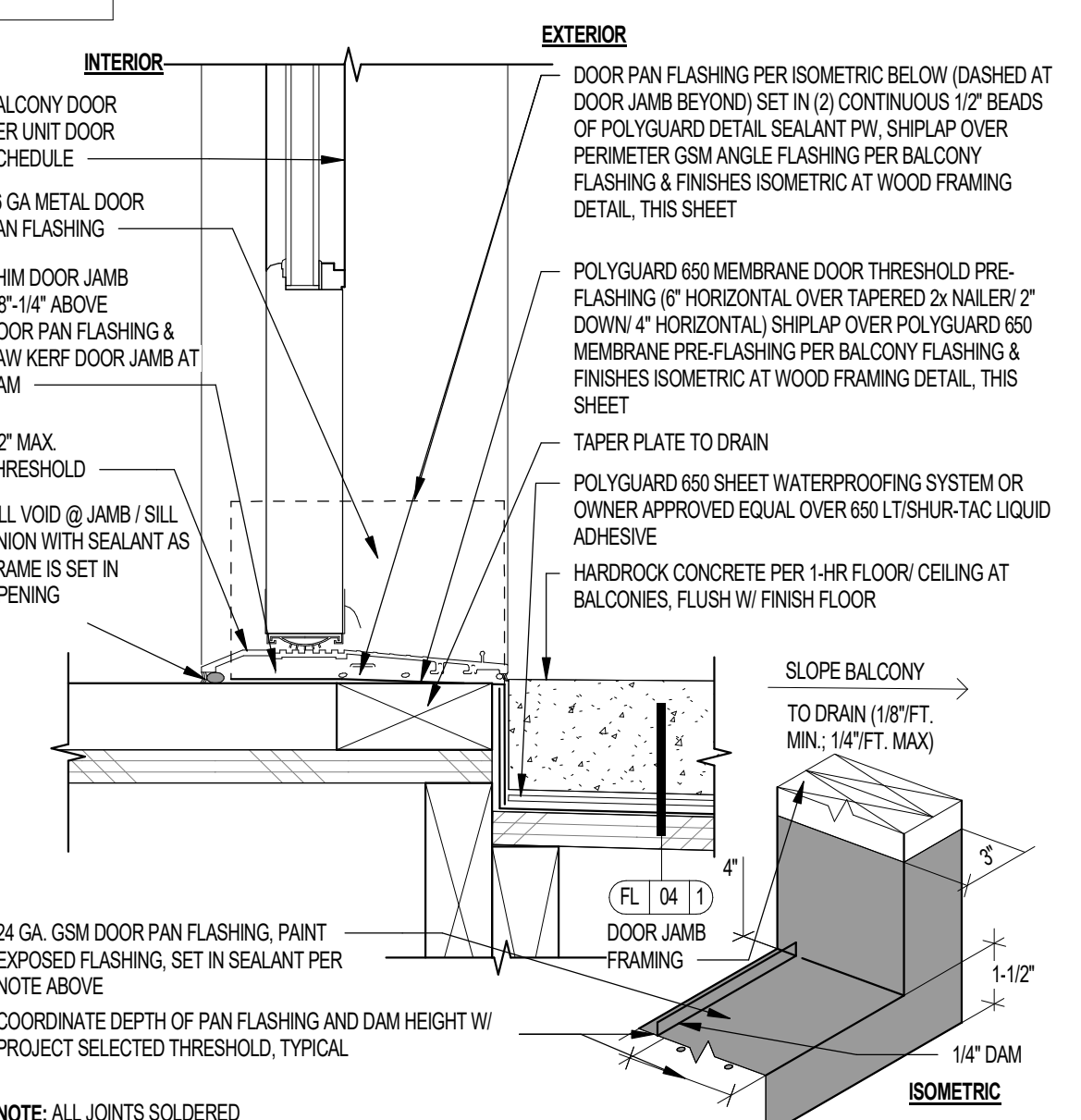
23 PATIO DOOR SILL AT CONCRETE SLAB ANSI TYPE B UNIT



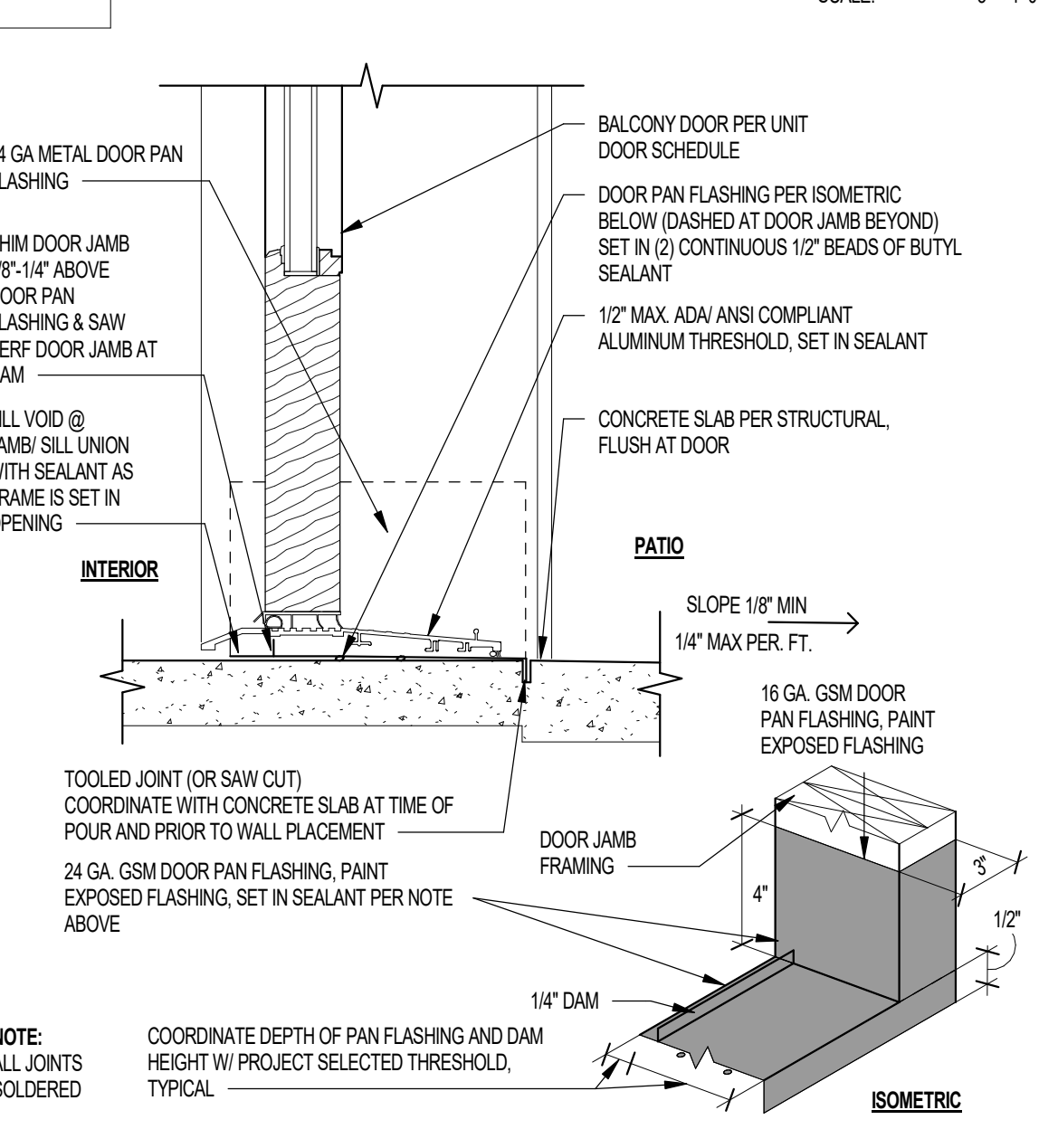
24 OPEN BALCONY EDGE FLASHING AT WOOD FRAMING



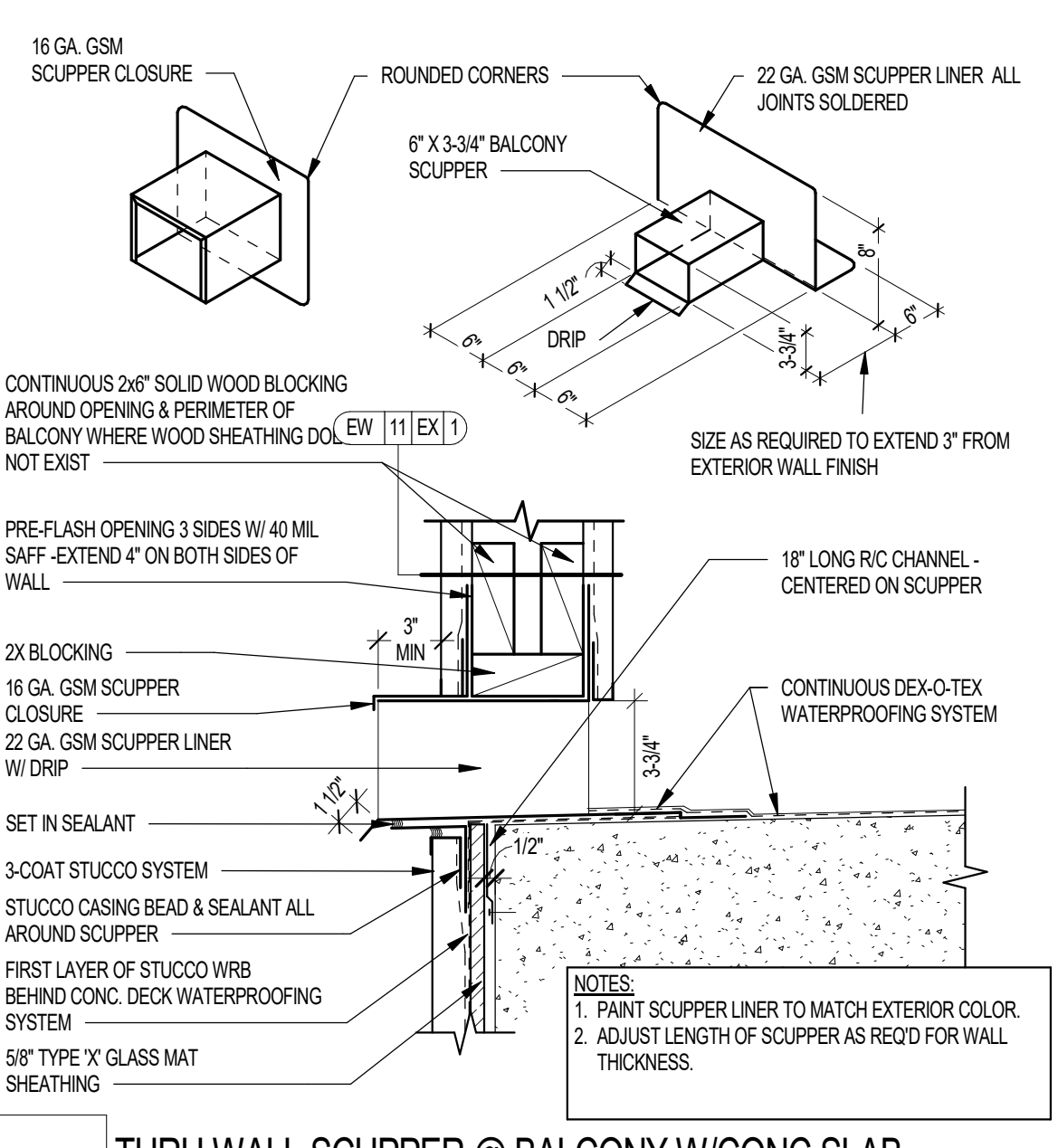
17 BALCONY FLASHING @ 1 HR RATED STUCCO EXTERIOR WALL - TYPE A UNIT



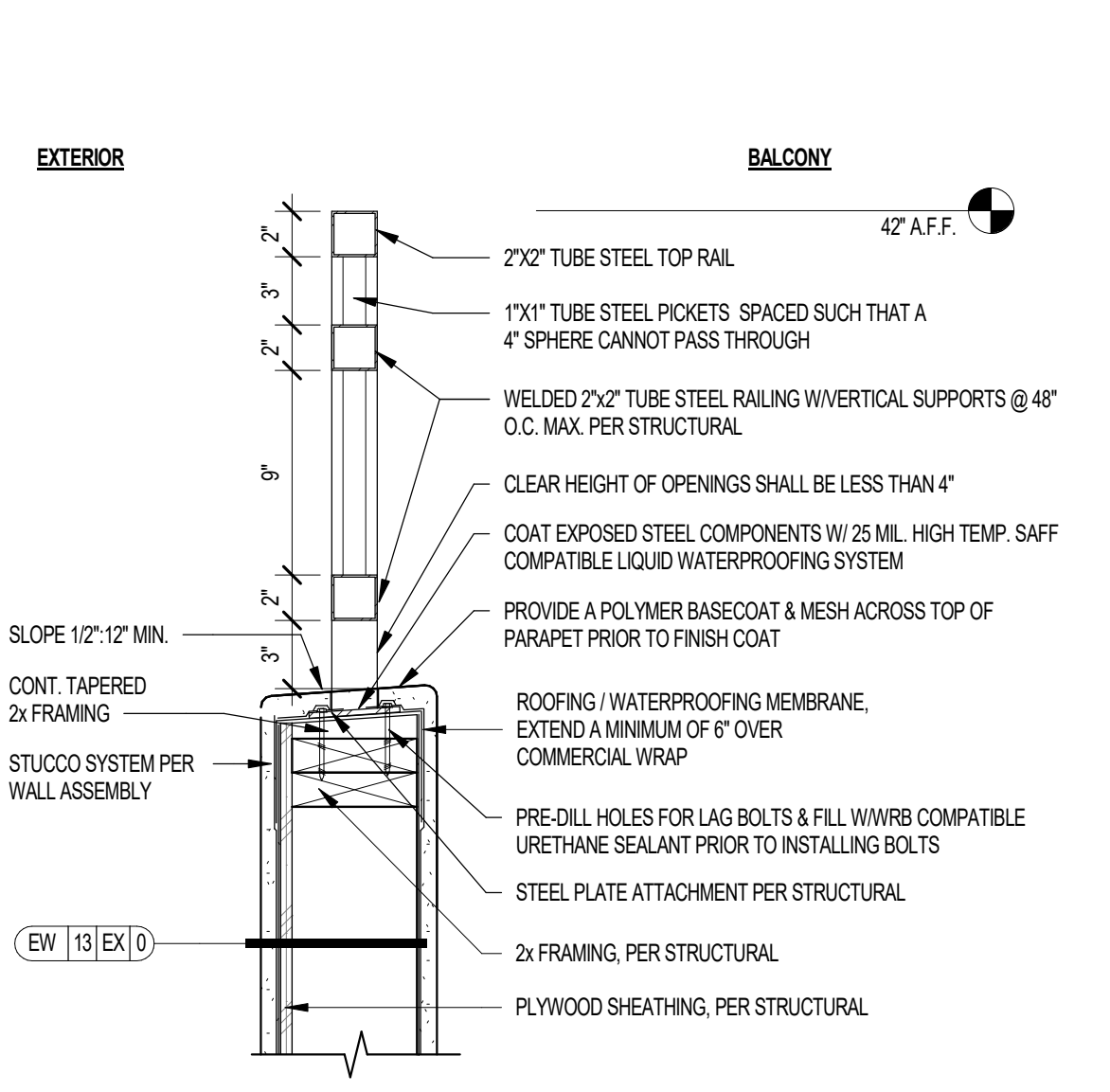
18 BALCONY DOOR SILL FLASHING @ WOOD FRAMED BALCONY - ANSI TYPE A UNIT



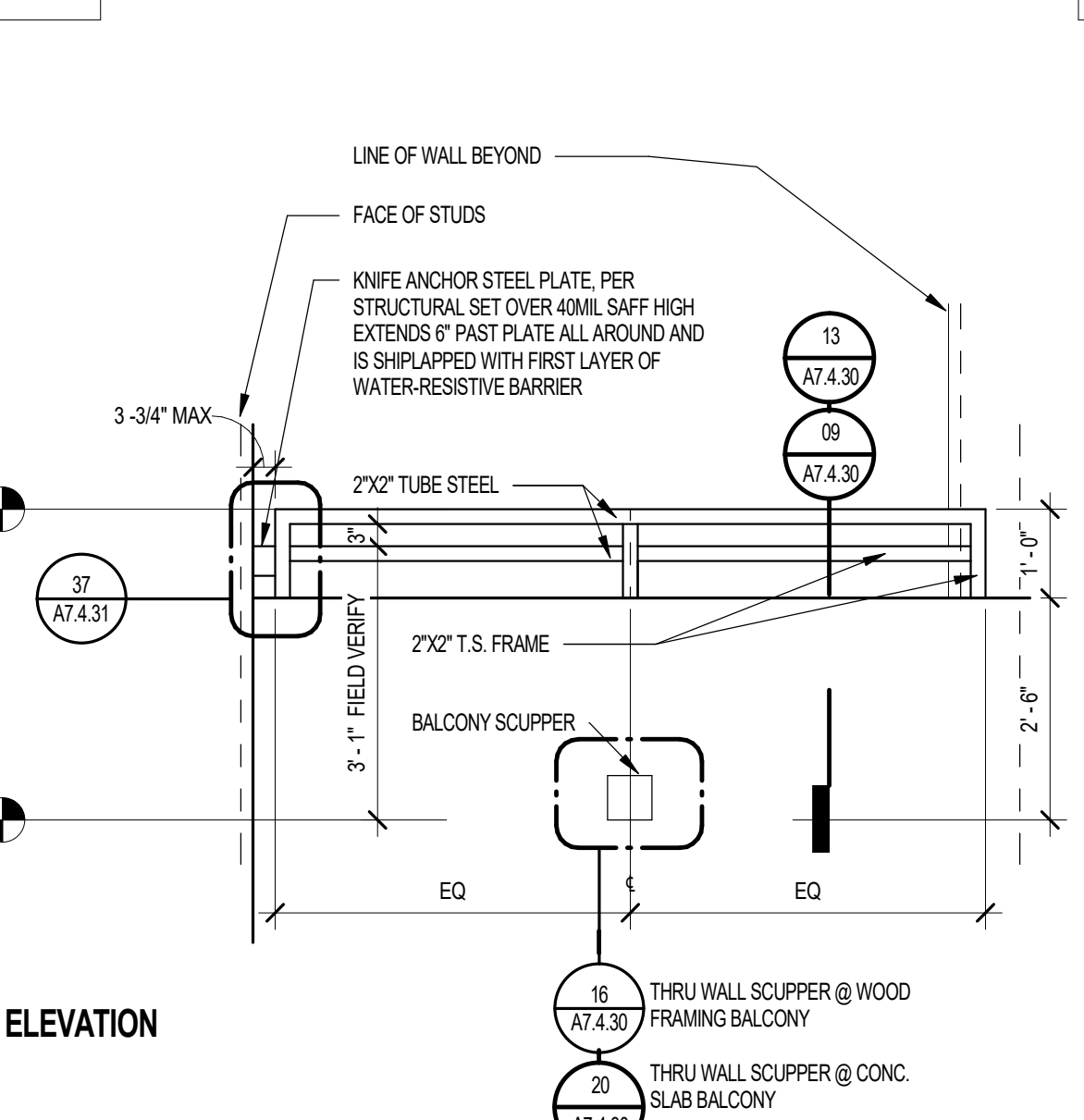
19 PATIO DOOR SILL AT CONCRETE SLAB ANSI TYPE A UNIT



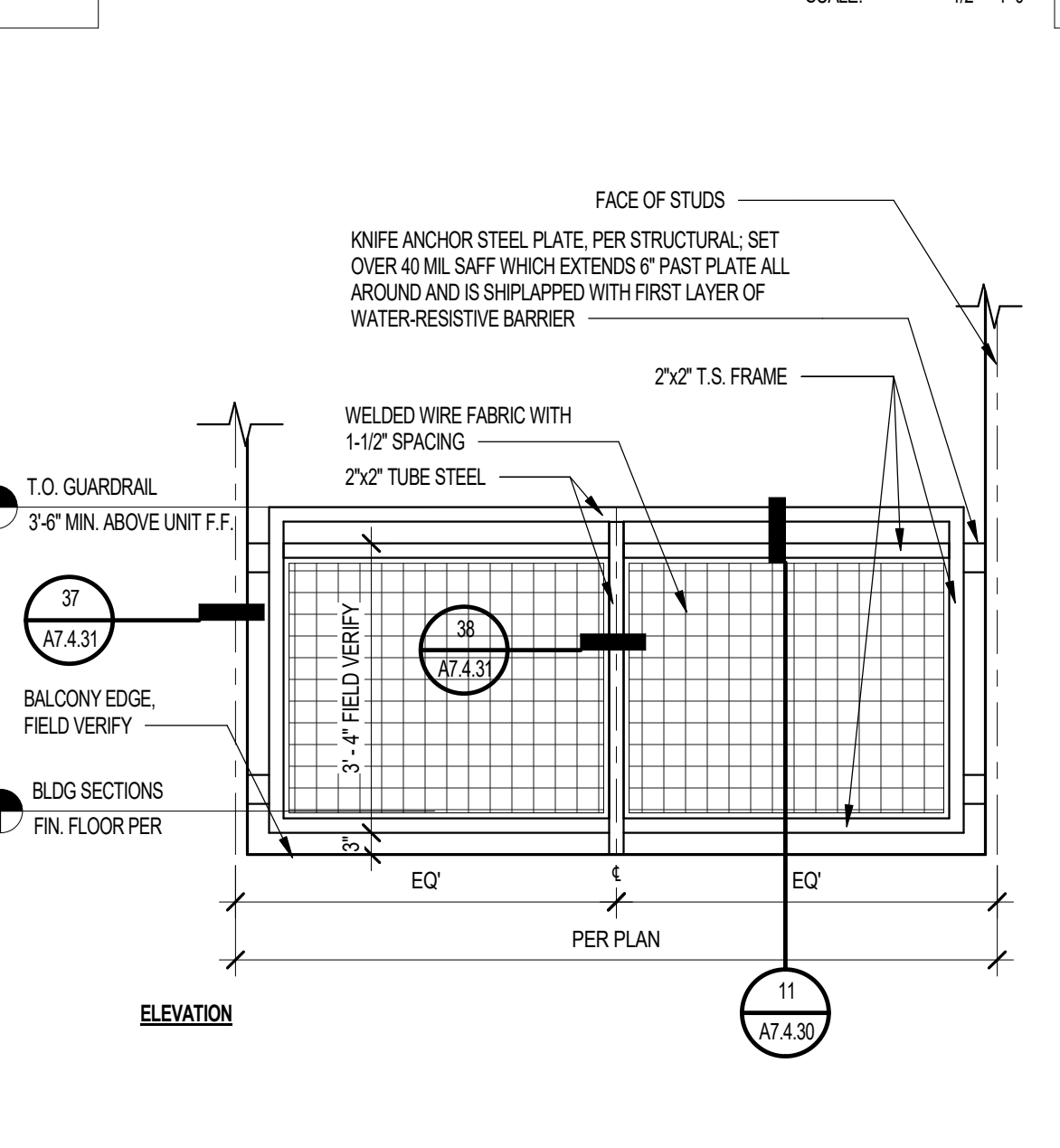
20 THRU WALL SCUPPER @ BALCONY W/CONC SLAB



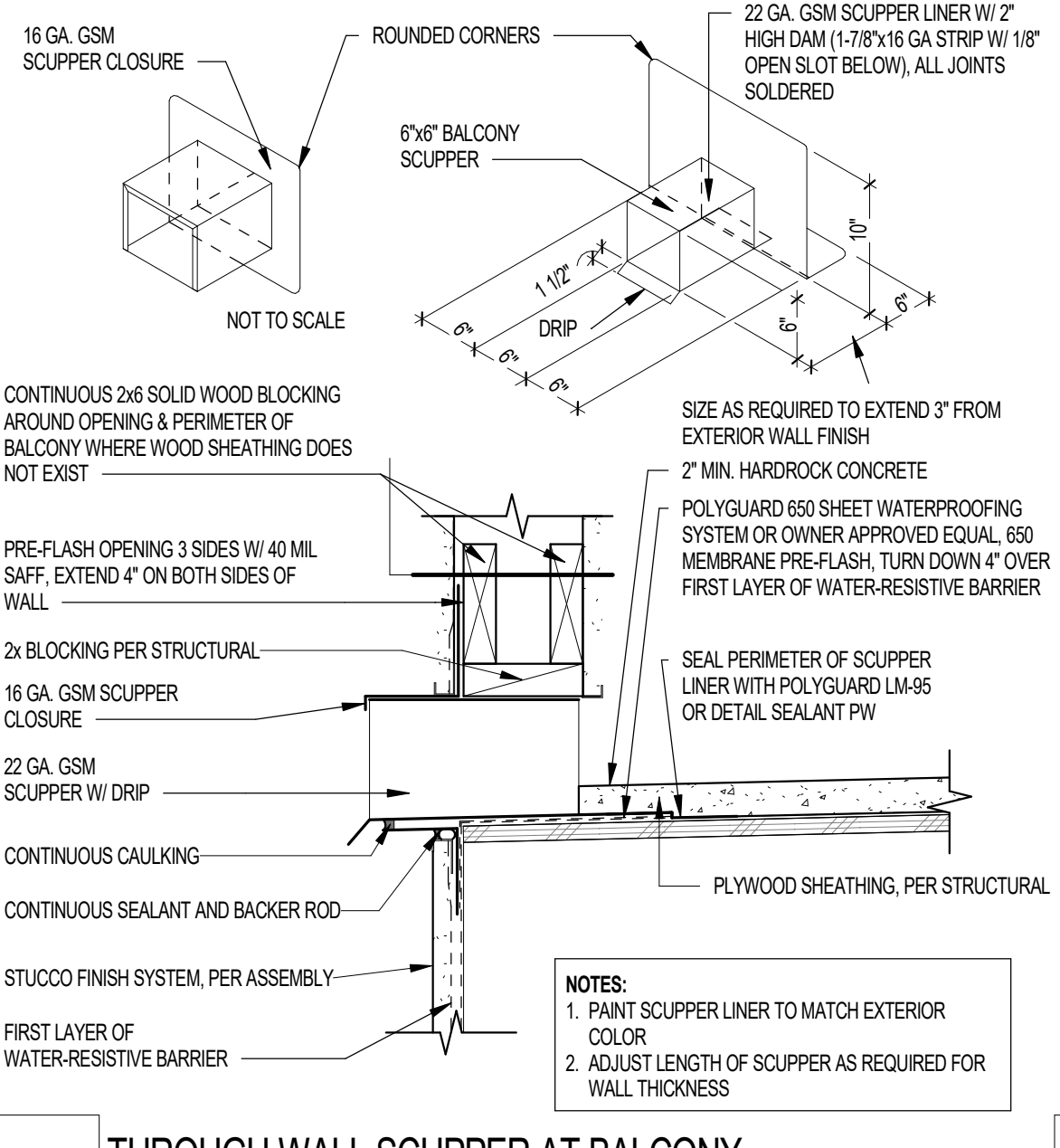
13 BALCONY RAILING ABOVE WALL



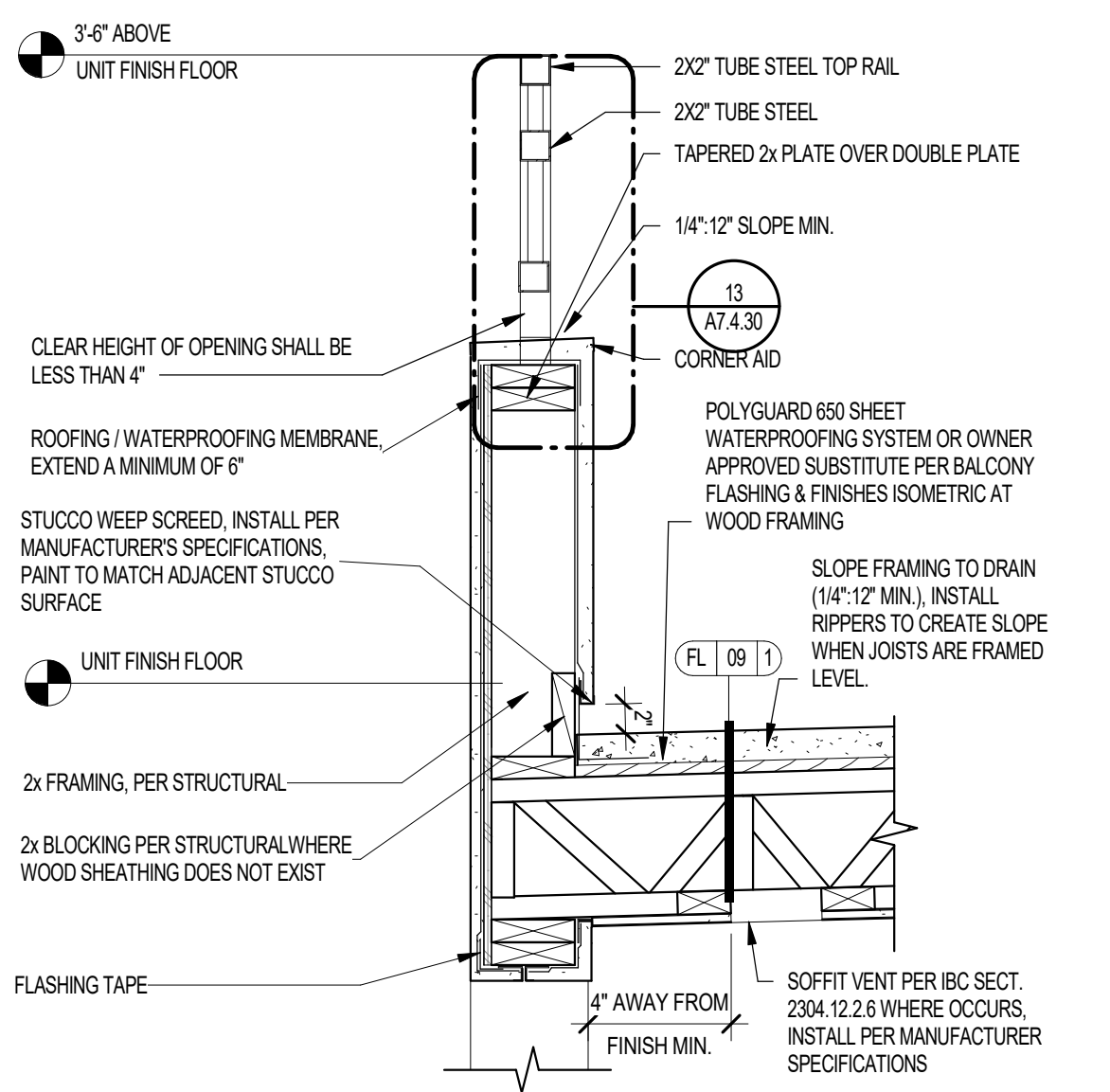
14 RAILING AT BALCONY W/ PARTIAL WALL - ELEVATION



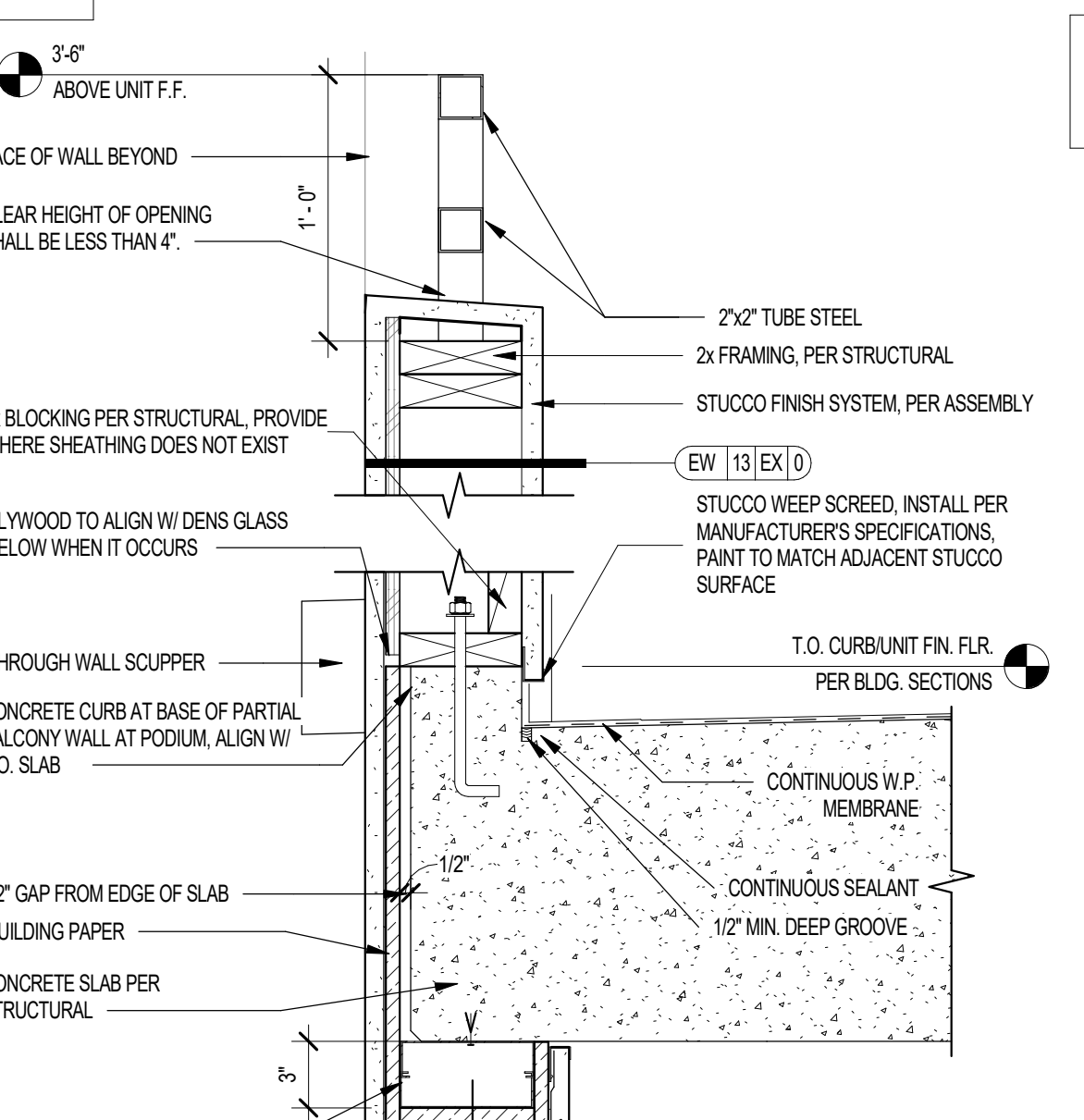
15 FULL HEIGHT BALCONY RAILING



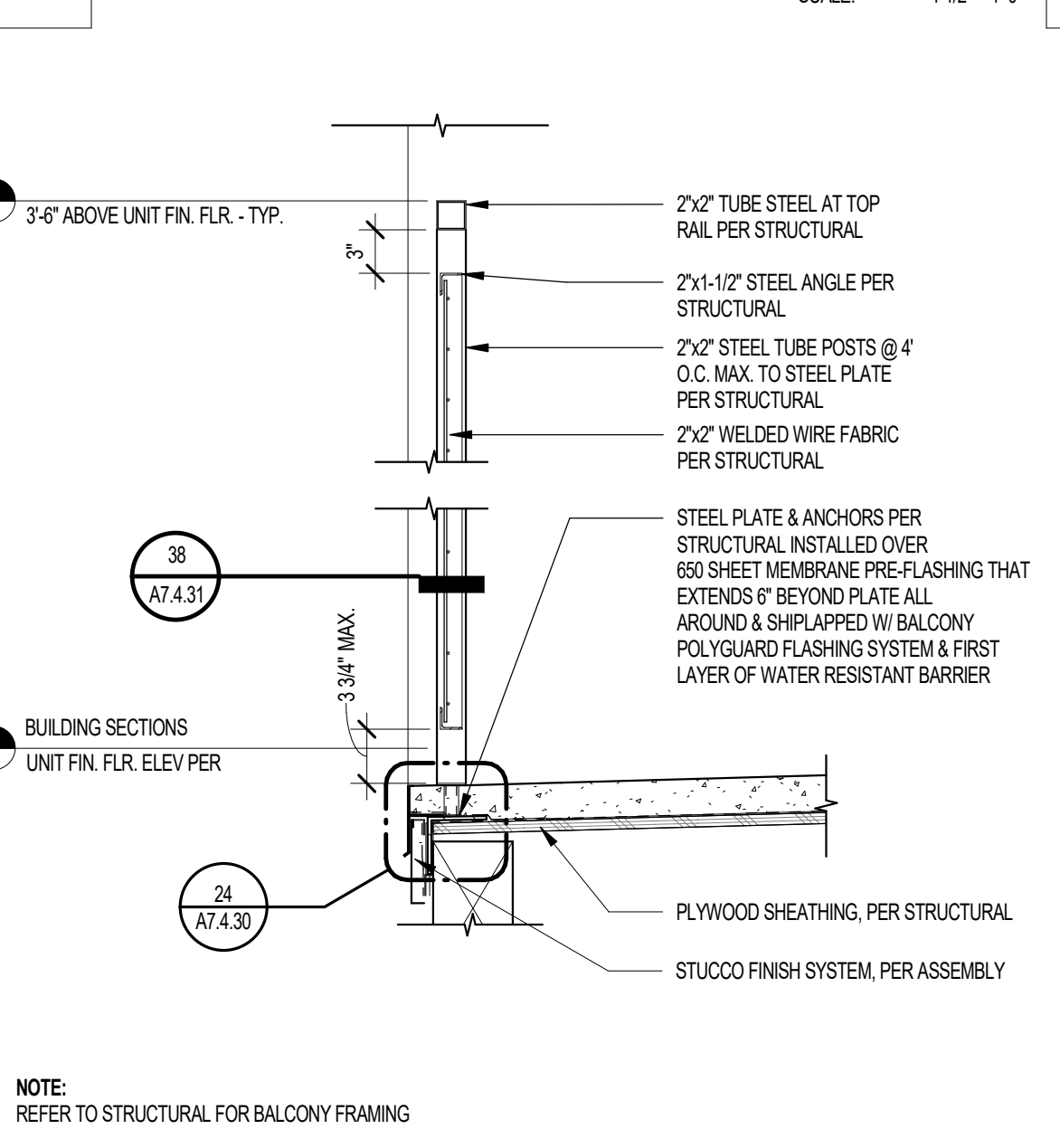
16 THROUGH WALL SCUPPER AT BALCONY



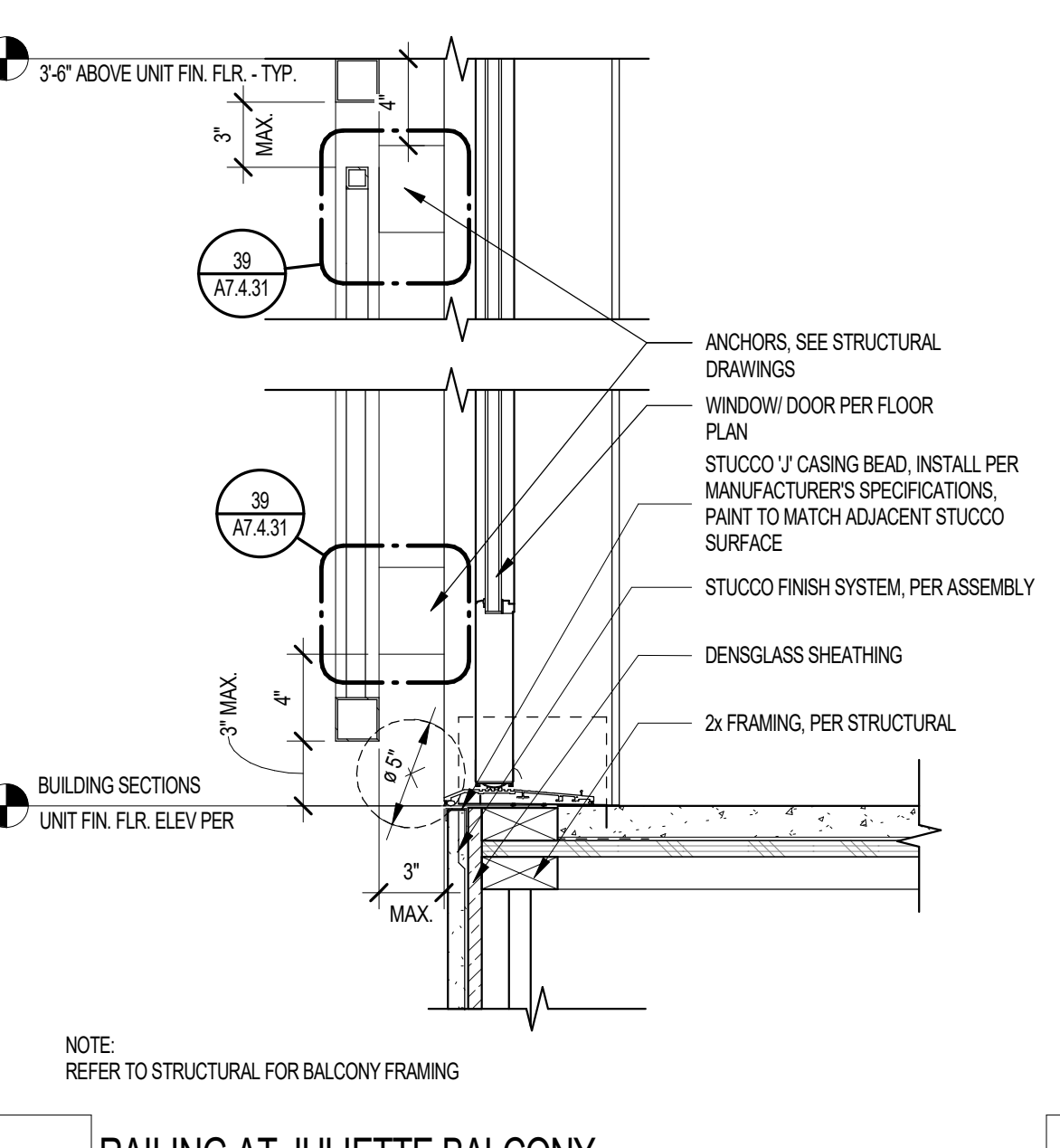
09 BALCONY AT PARTIAL WALL AT OPEN WEB



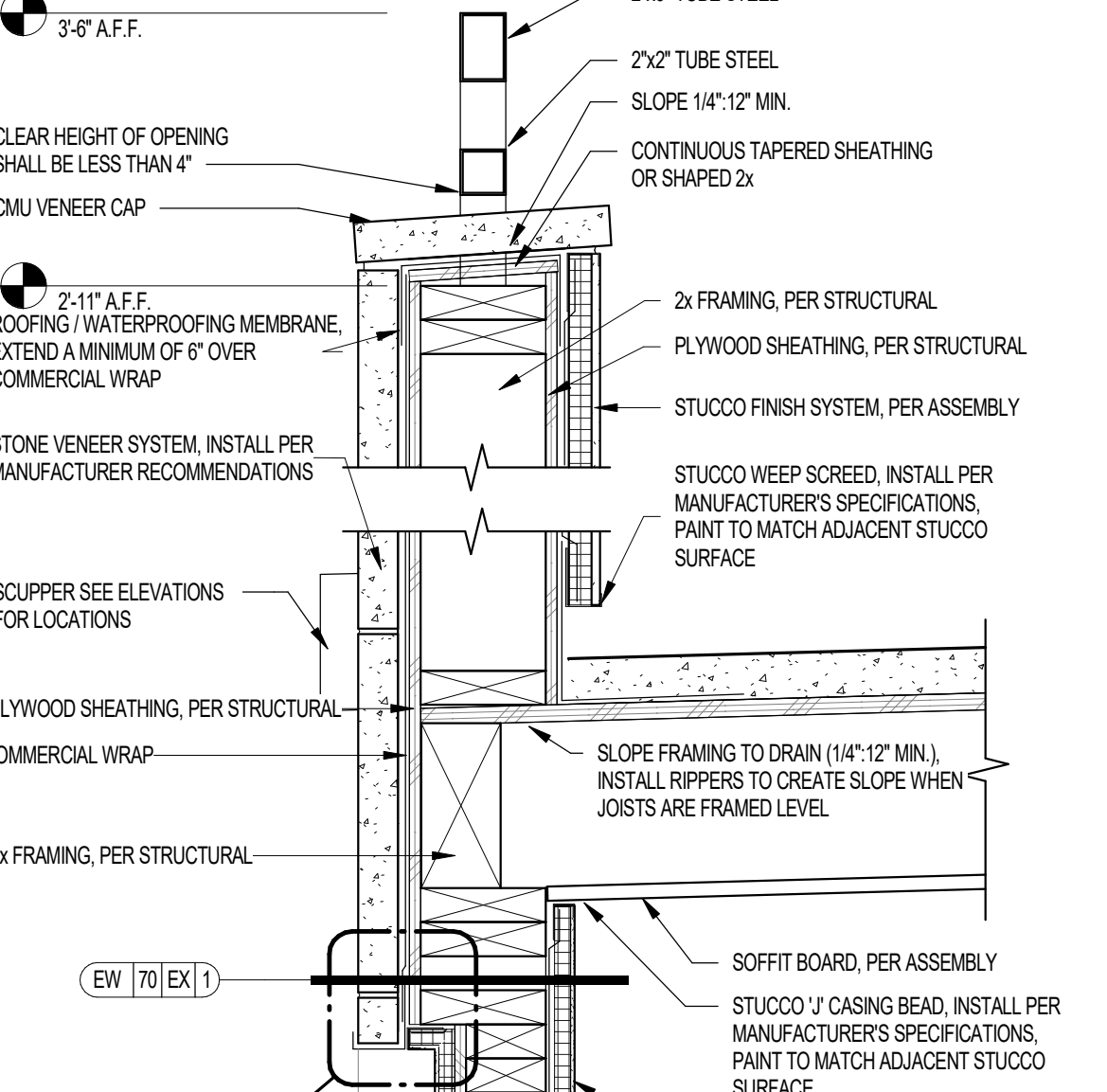
10 RAILING @ BALCONY W/ PARTIAL WALL AT PODIUM



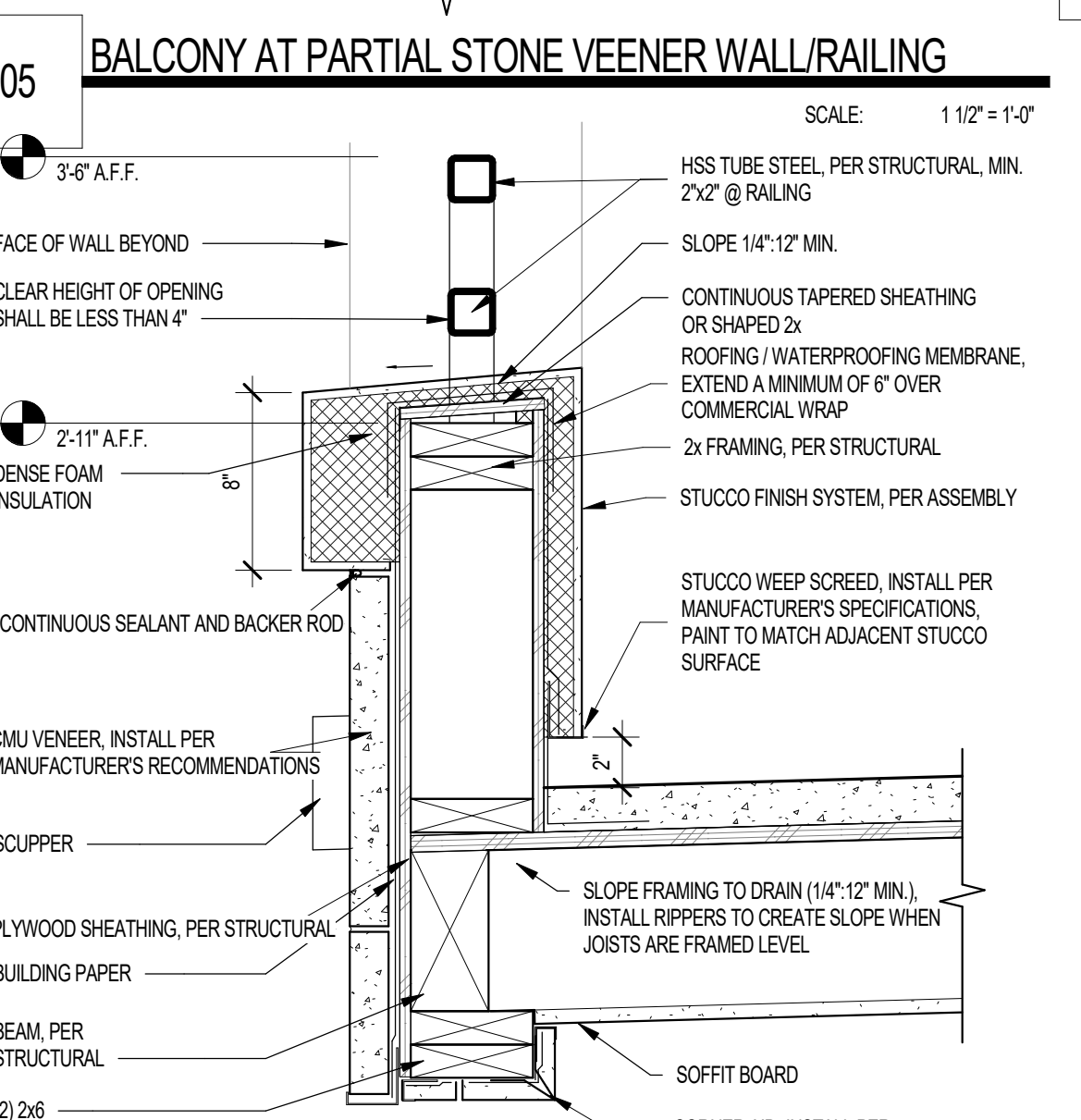
11 WIRE FABRIC RAILING AT FULL HEIGHT - SECTION



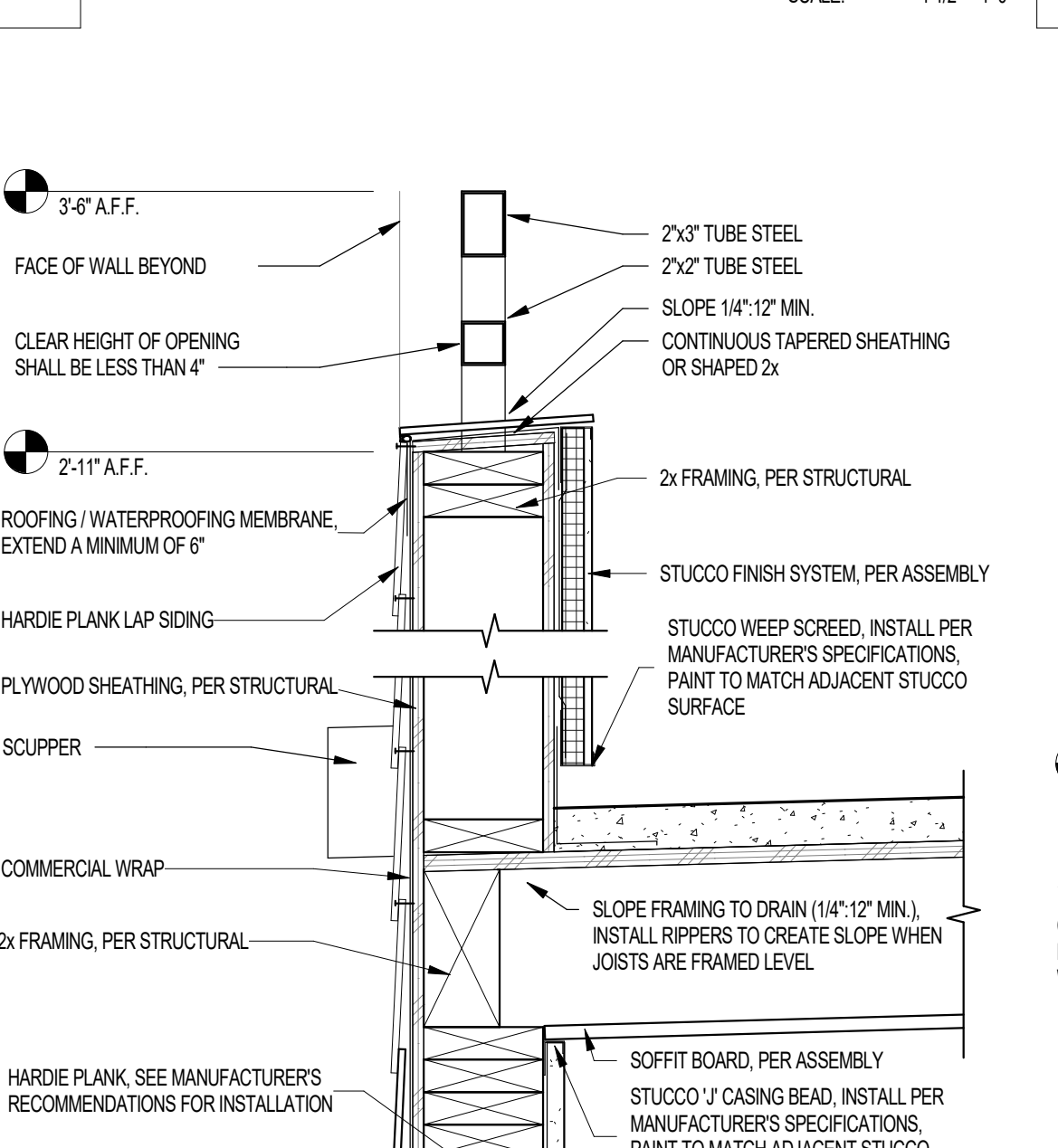
12 RAILING AT JULIETTE BALCONY



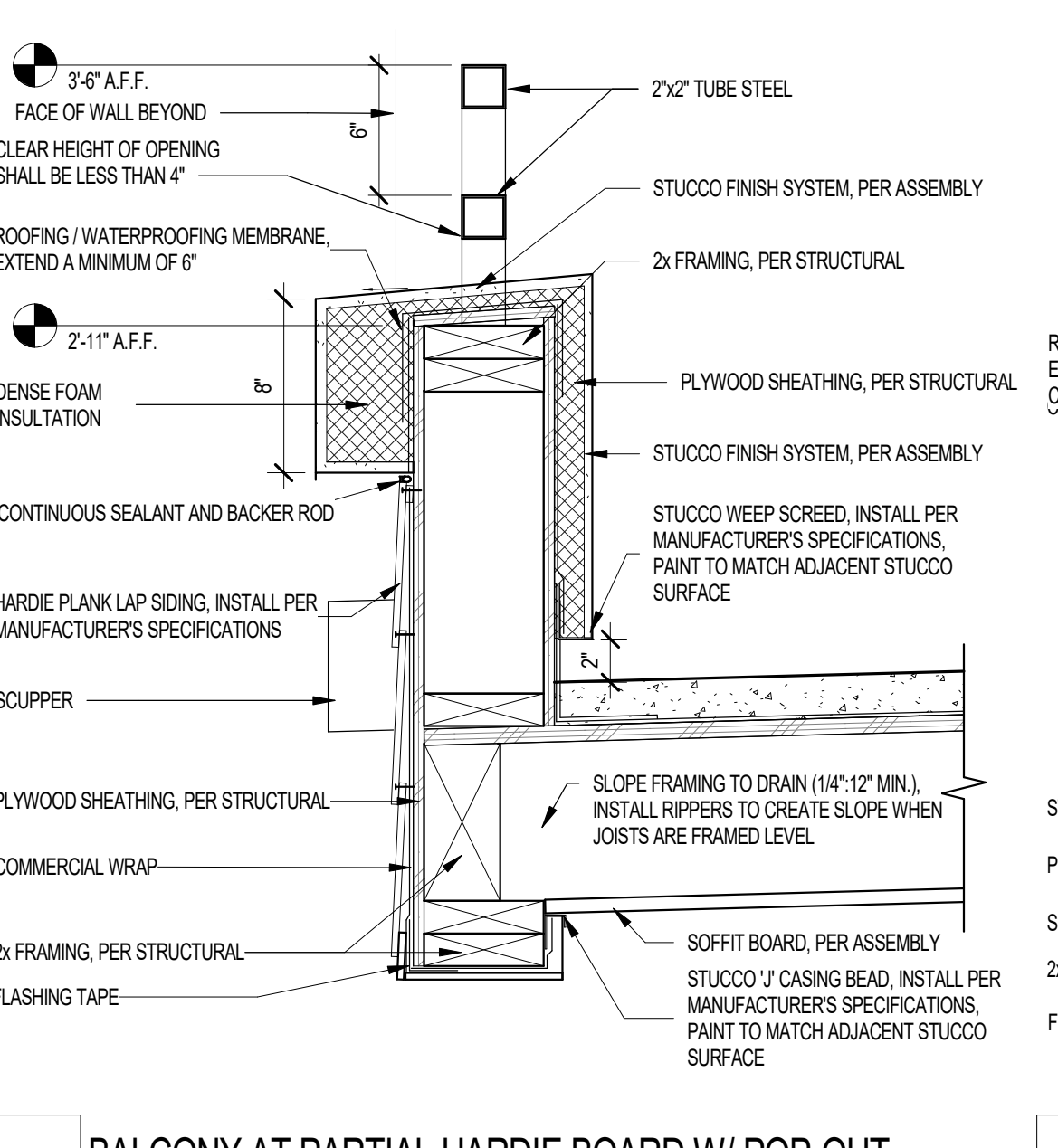
05 BALCONY AT PARTIAL STONE VEENER WALL/RAILING



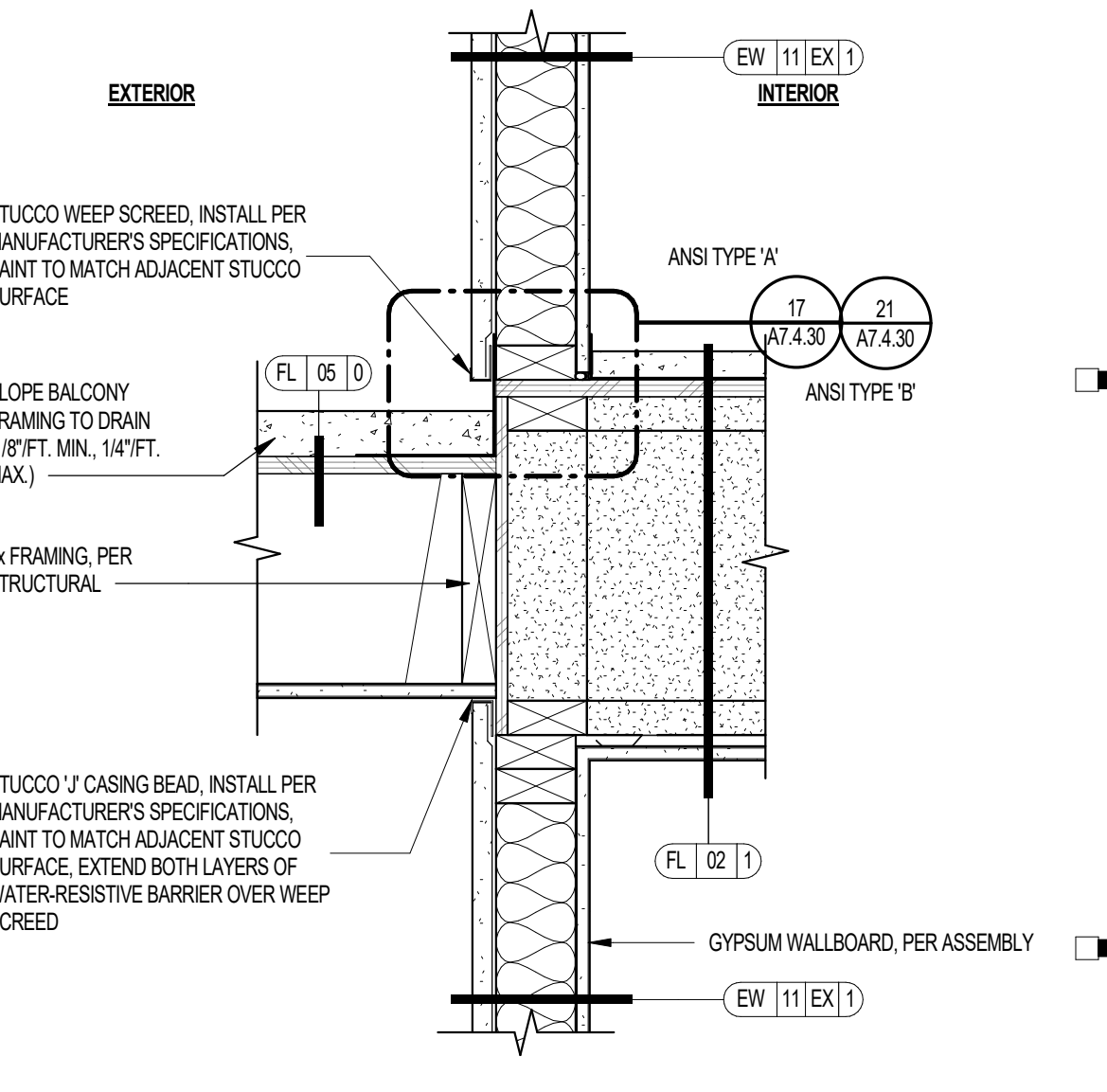
06 BALCONY AT PARTIAL STONE VEENER W/ POP-OUT



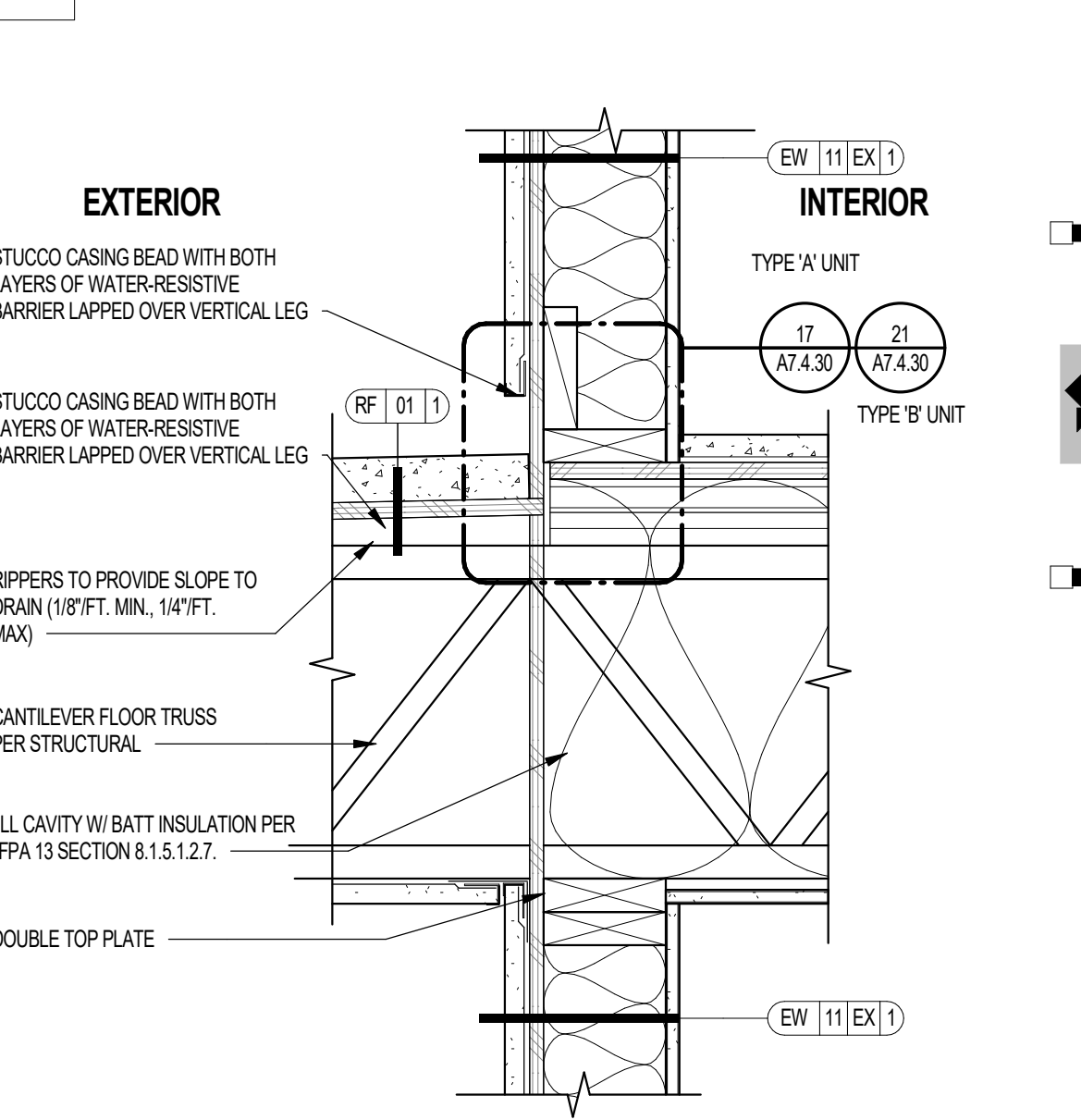
07 BALCONY AT PARTIAL WALL



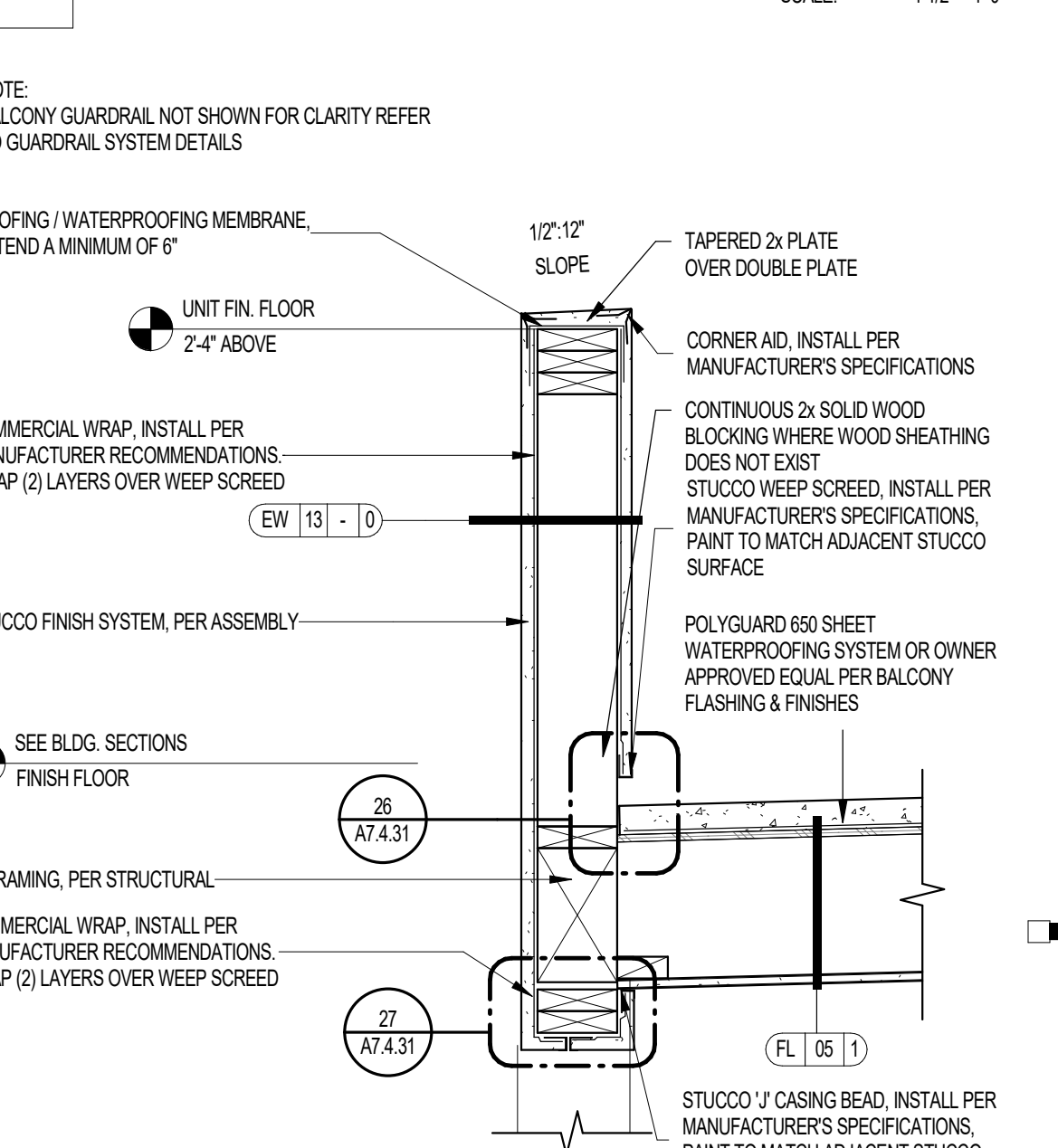
08 BALCONY AT PARTIAL HARDIE BOARD W/ POP-OUT



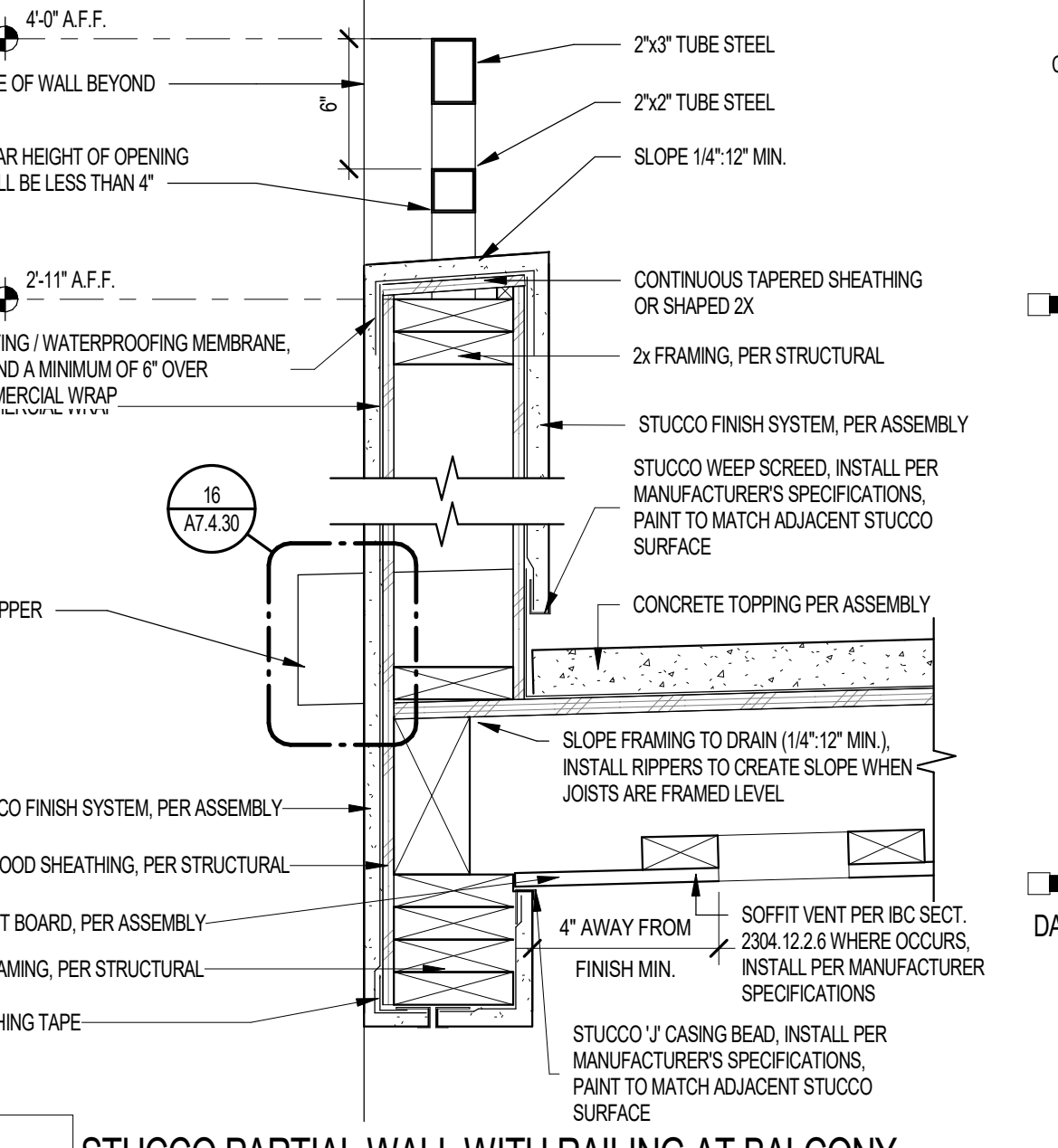
01 BALCONY CONNECTION @ 1 HOUR RATED EXTERIOR WALL



02 BALCONY CONNECTION @ 1 HOUR RATED EXTERIOR WALL - CANTILEVERED



03 BALCONY AT PARTIAL WALL



04 STUCCO PARTIAL WALL WITH RAILING AT BALCONY

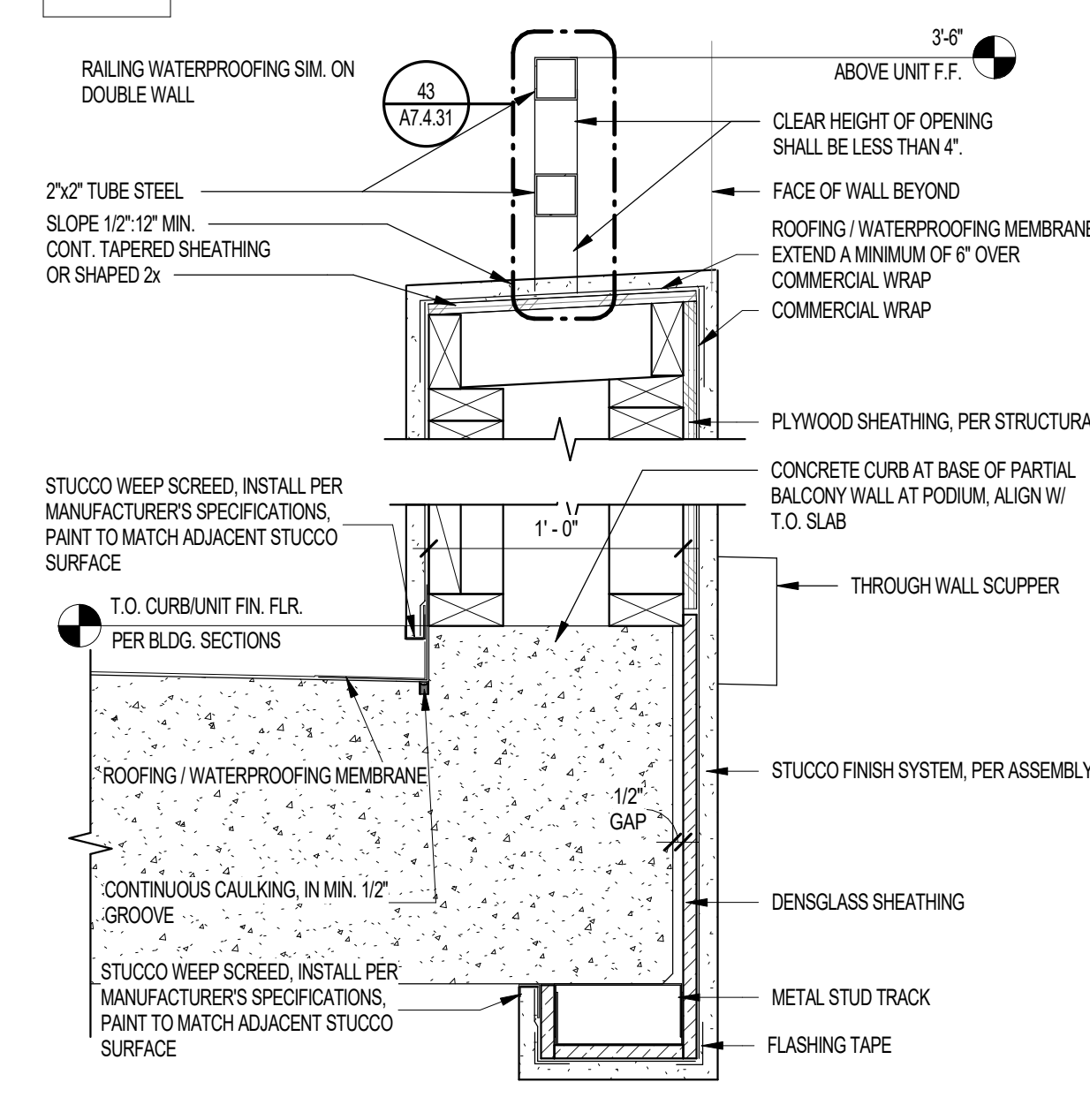
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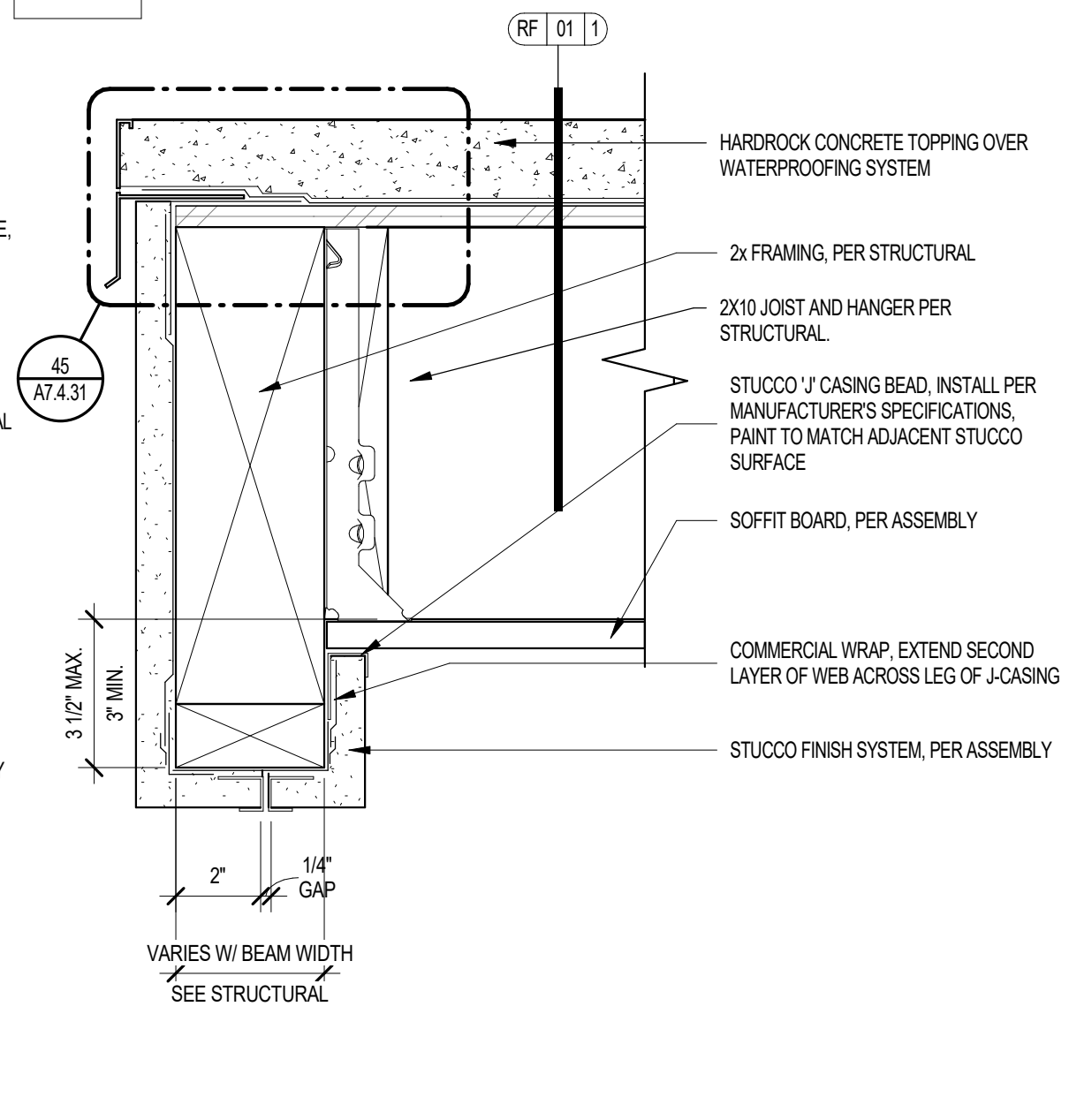
REVISIONS/SUBMITTALS
DATE DESCRIPTION
DATE: SEPTEMBER 11, 2024 ORB #: 00-000
A7.4.30
BALCONY DETAILS

45 BALCONY EDGE FLASHING AT WOOD FRAMING



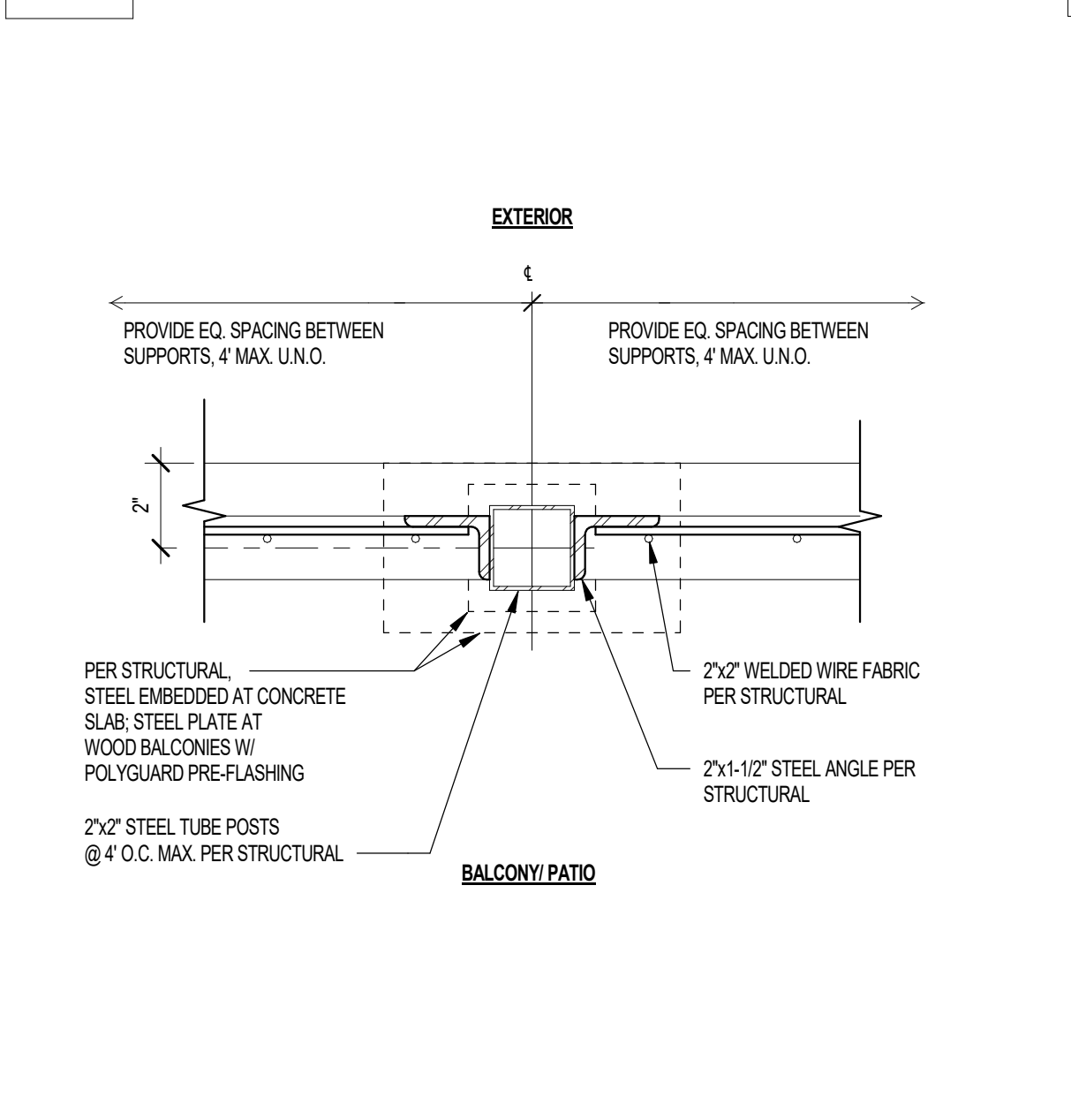
NOT TO SCALE

41 PATIO/BALCONY SOFFIT HEAD AT HARDIE PLANK



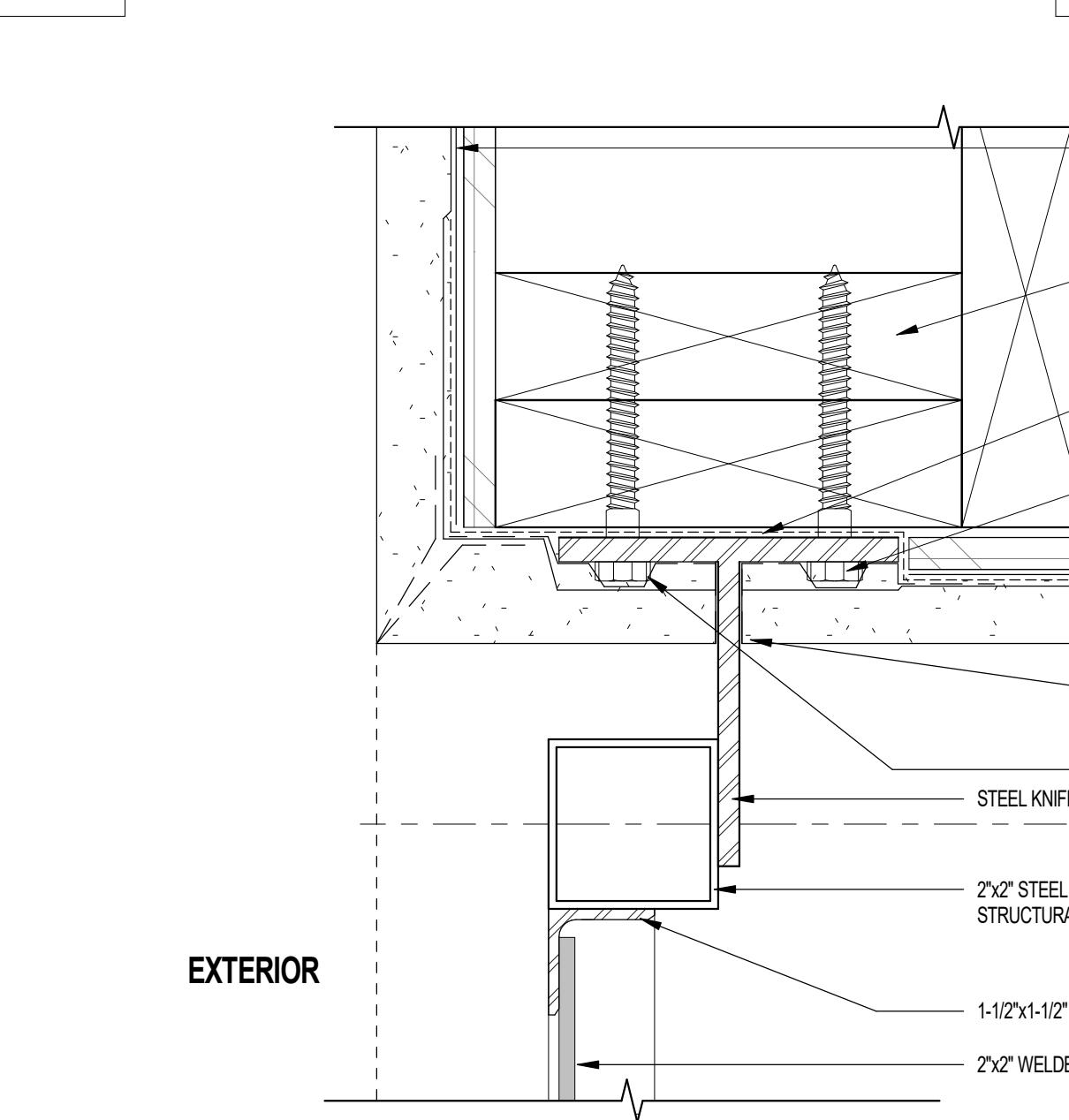
NOT TO SCALE

37 GUARDRAIL KNIFE PLATE ATTACHMENT AT WALL



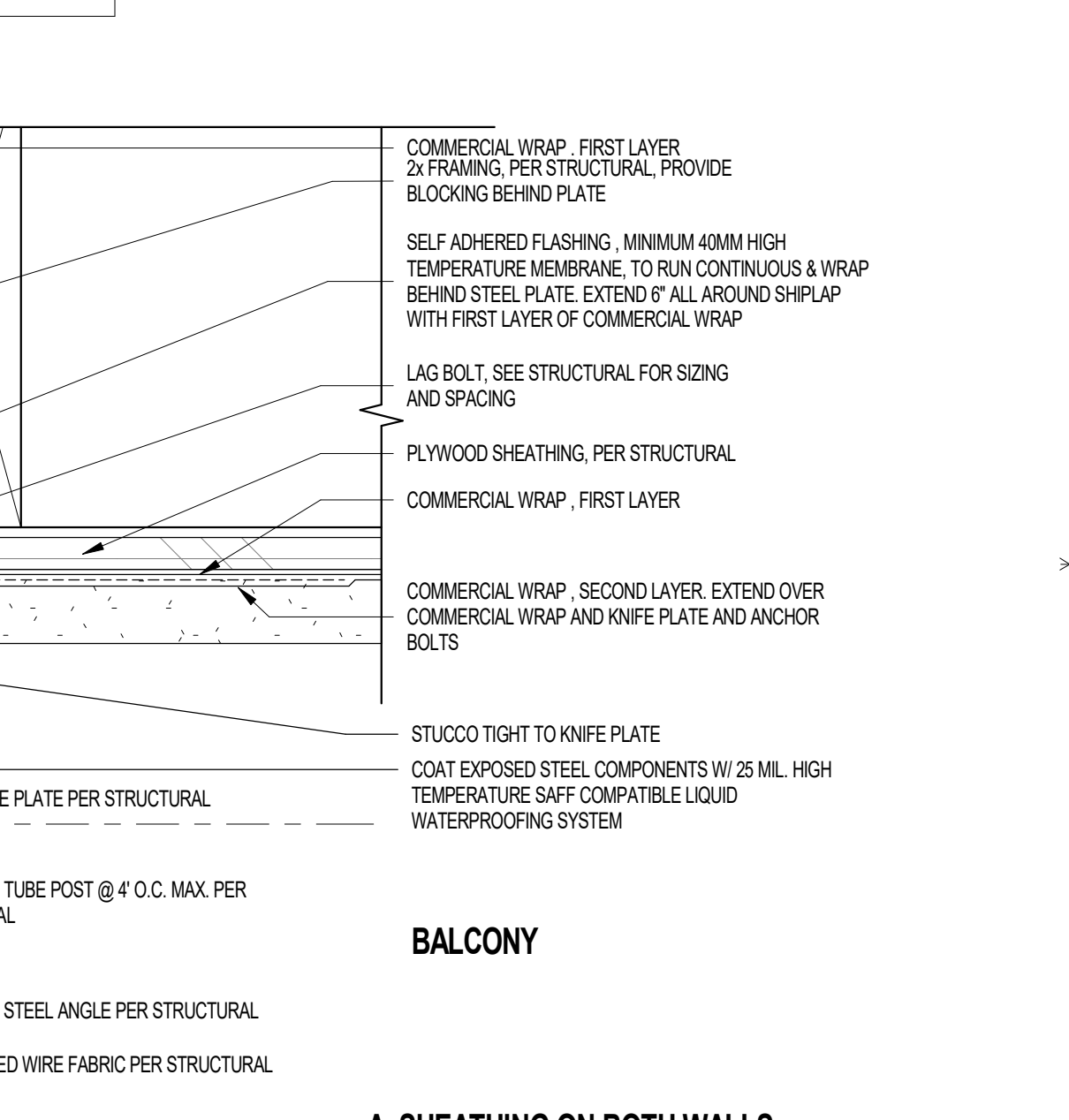
NOT TO SCALE

33 GUARDRAIL POST CONNECTION AT CONC. SLAB FLOOR



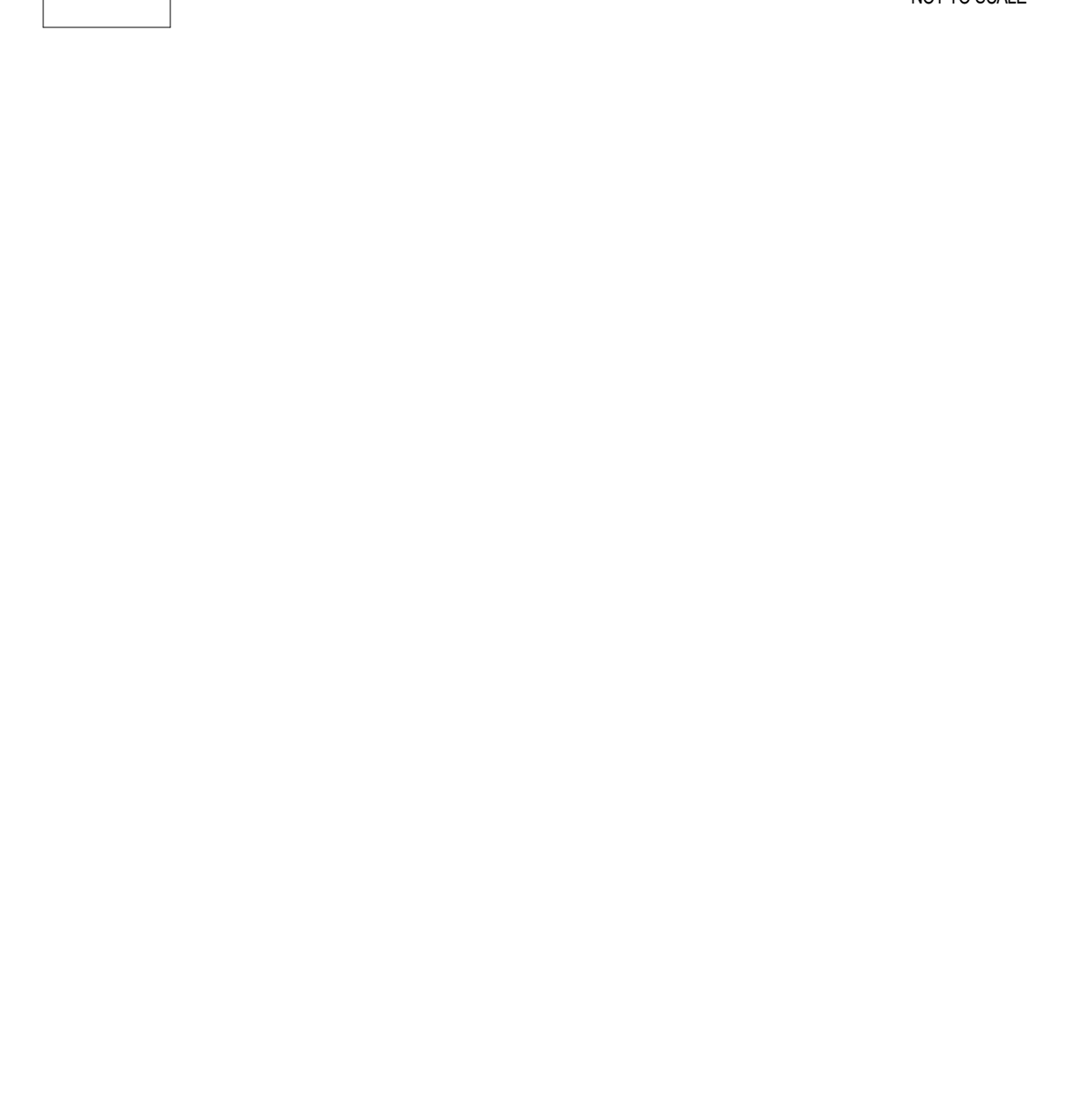
NOT TO SCALE

29 GUARDRAIL POST CONNECTION AT CONC. SLAB FLOOR



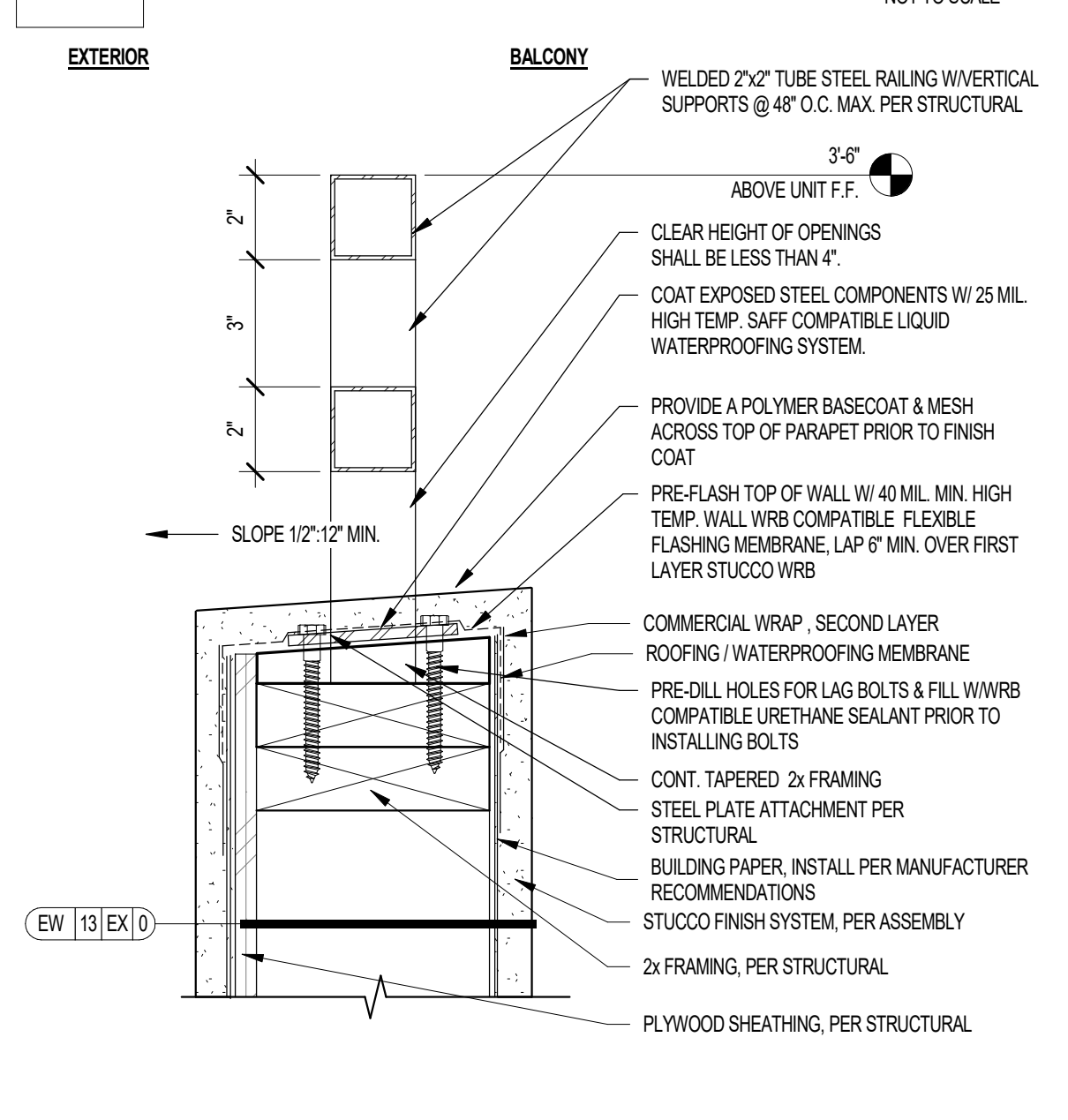
NOT TO SCALE

46 BALCONY RAILING W/ PARTIAL DOUBLE WALL @ PODIUM



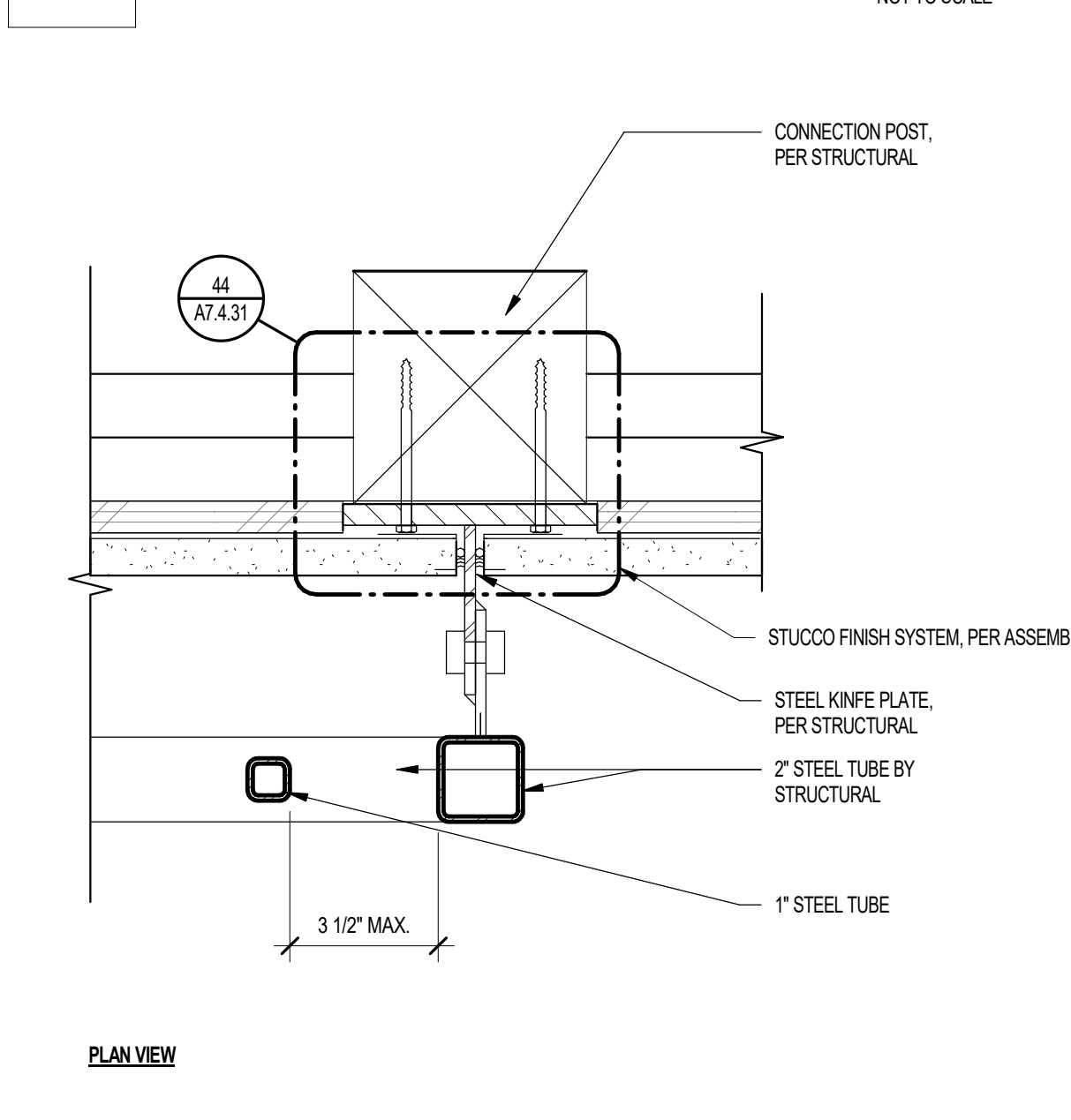
NOT TO SCALE

42 BALCONY SOFFIT HEAD - WOOD FRAMING



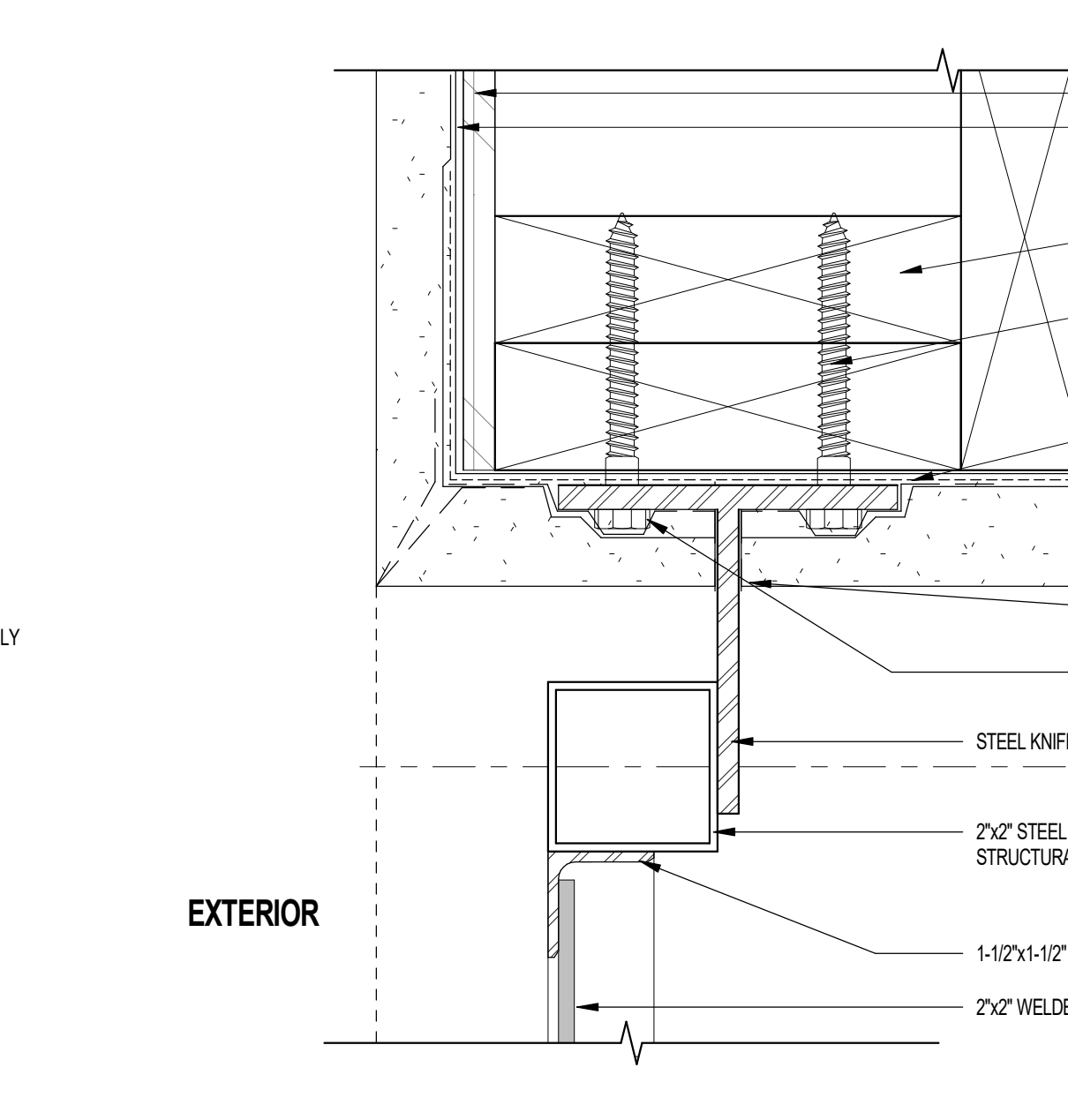
NOT TO SCALE

38 STEEL TUBE SUPPORT AND PLATE



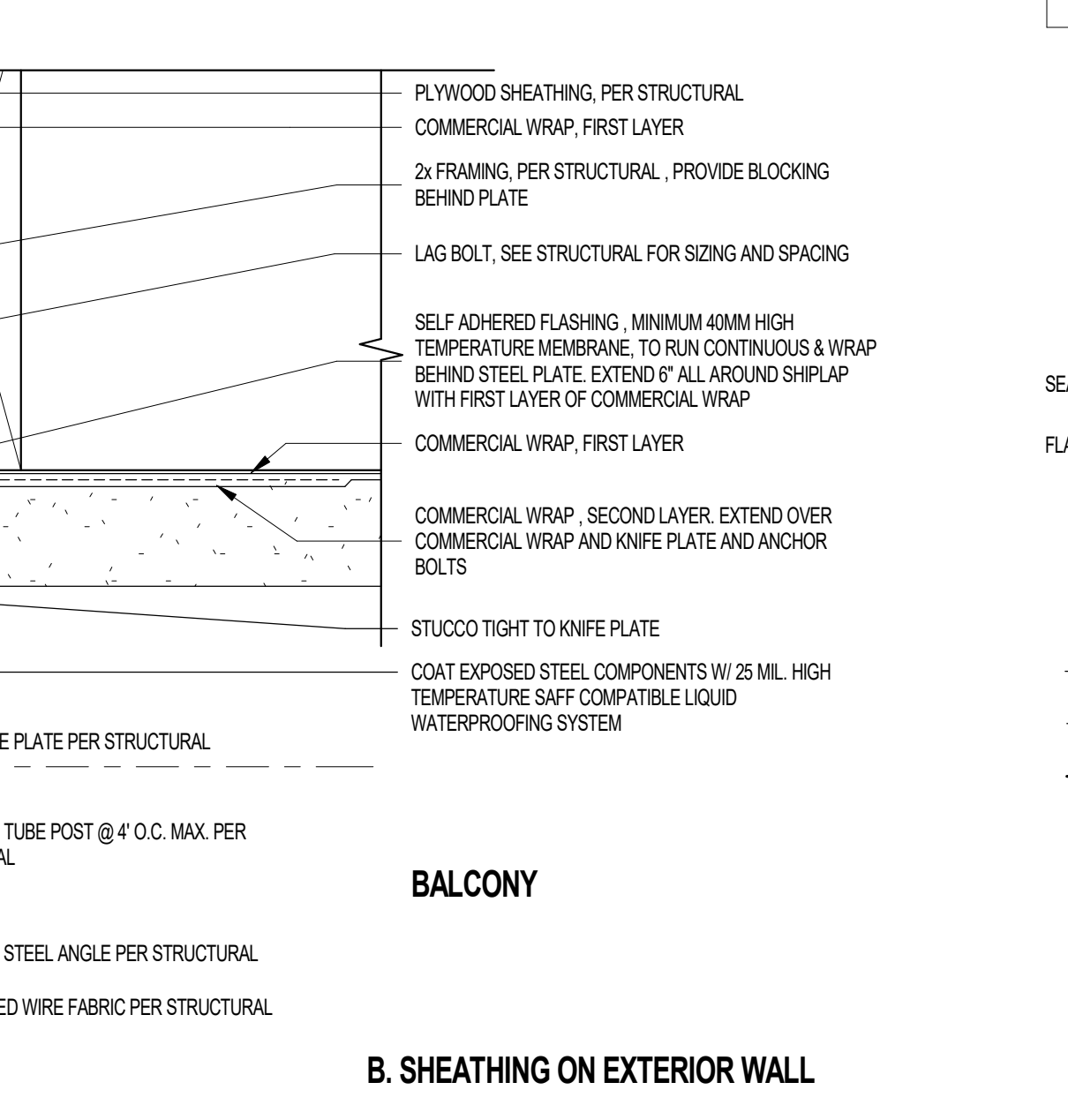
NOT TO SCALE

A. SHEATHING ON BOTH WALLS



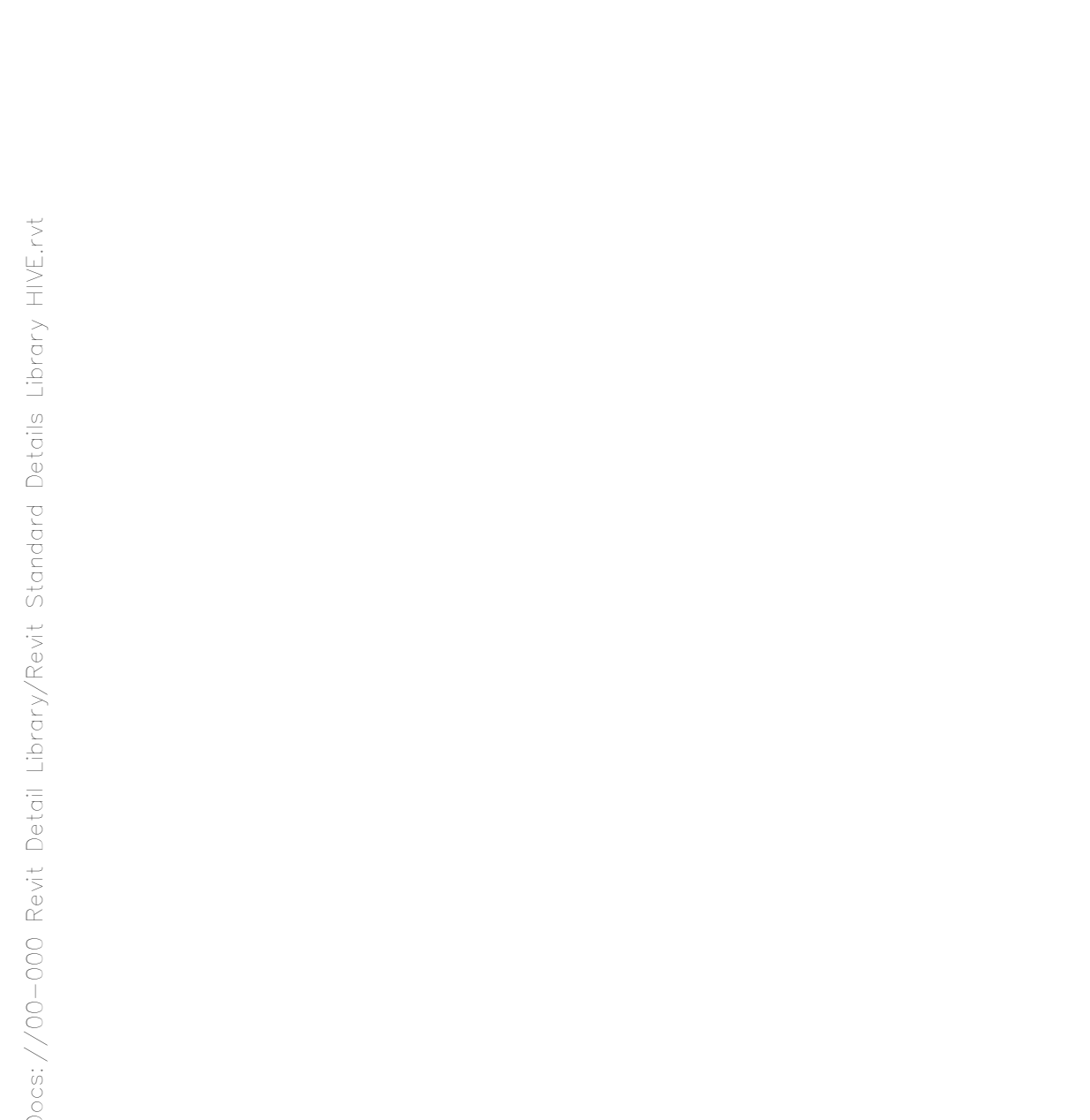
NOT TO SCALE

B. SHEATHING ON EXTERIOR WALL



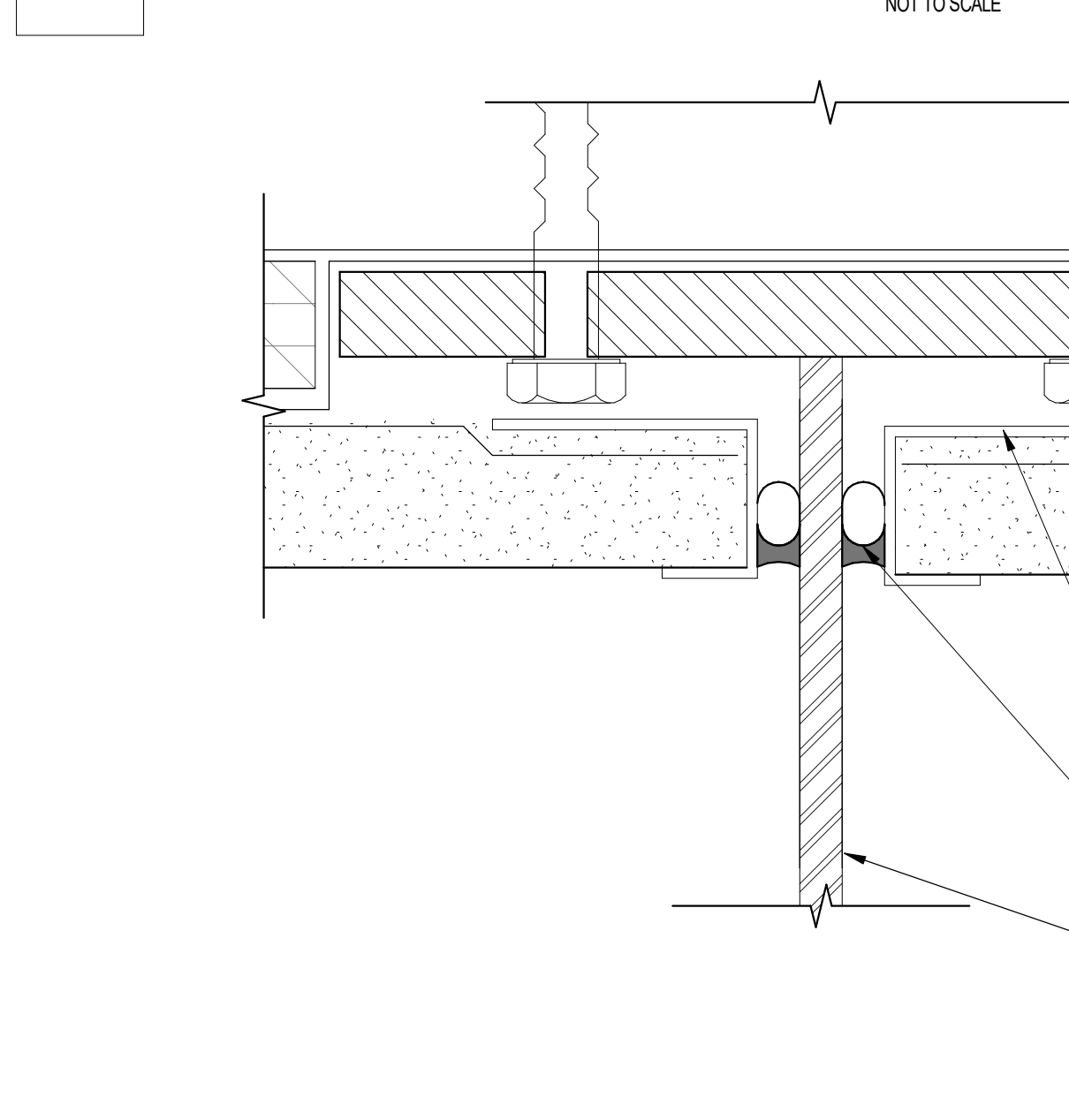
NOT TO SCALE

43 BALCONY RAILING W.P. @ PARTIAL WALL



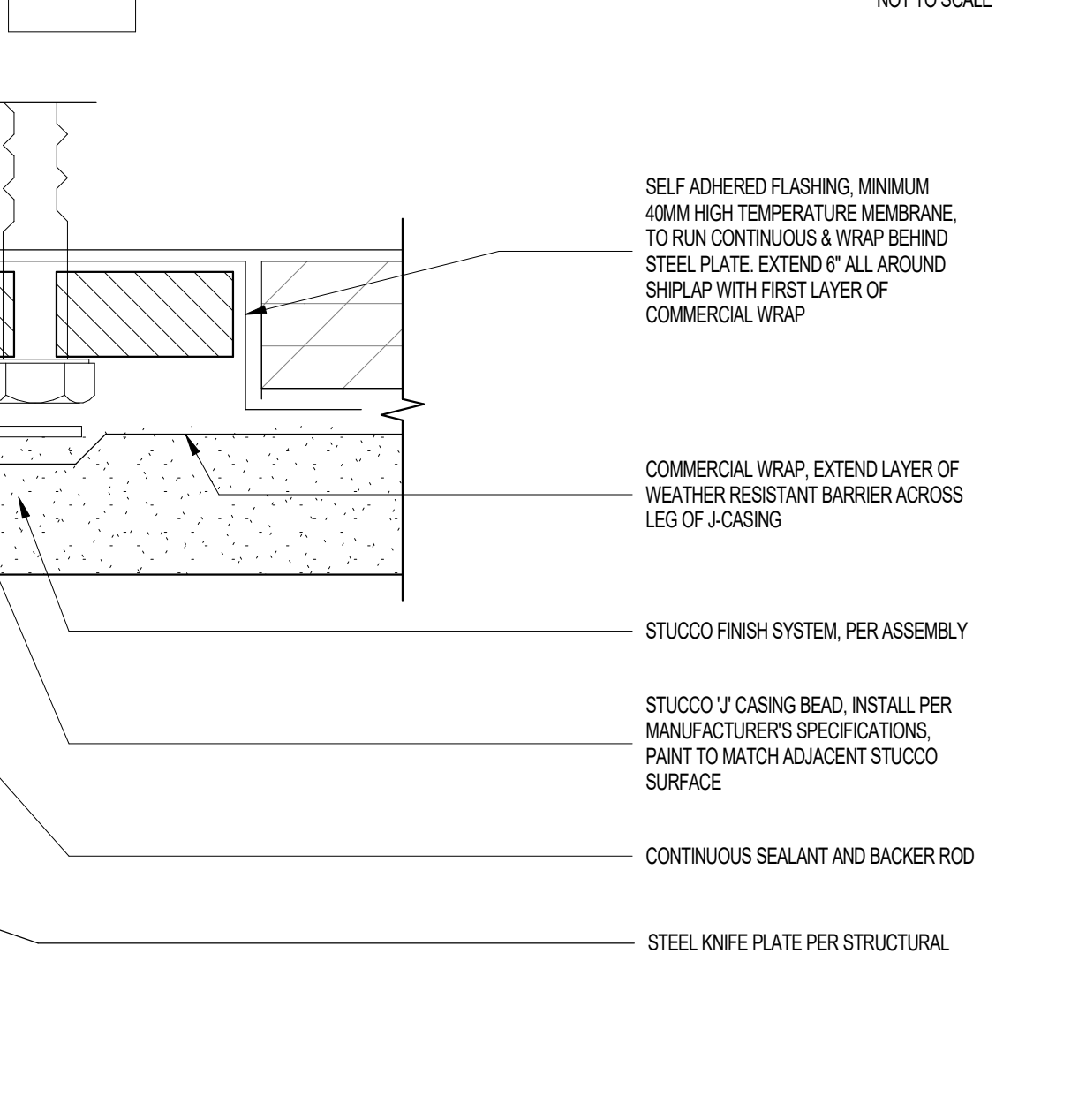
NOT TO SCALE

39 RAILING ANCHOR AT JULIETTE BALCONY



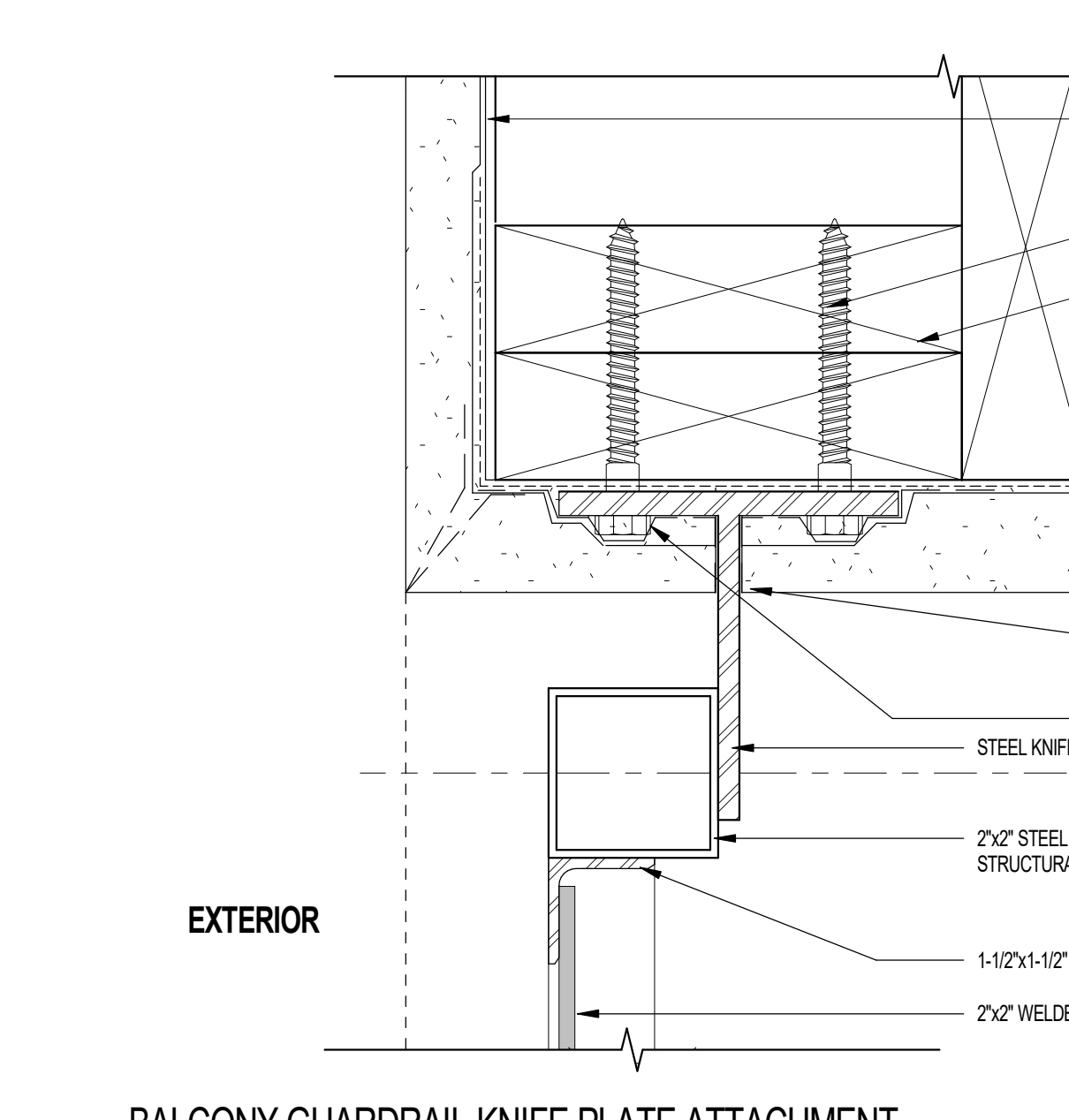
NOT TO SCALE

44 WATERPROOFING AT ANCHOR PLATE



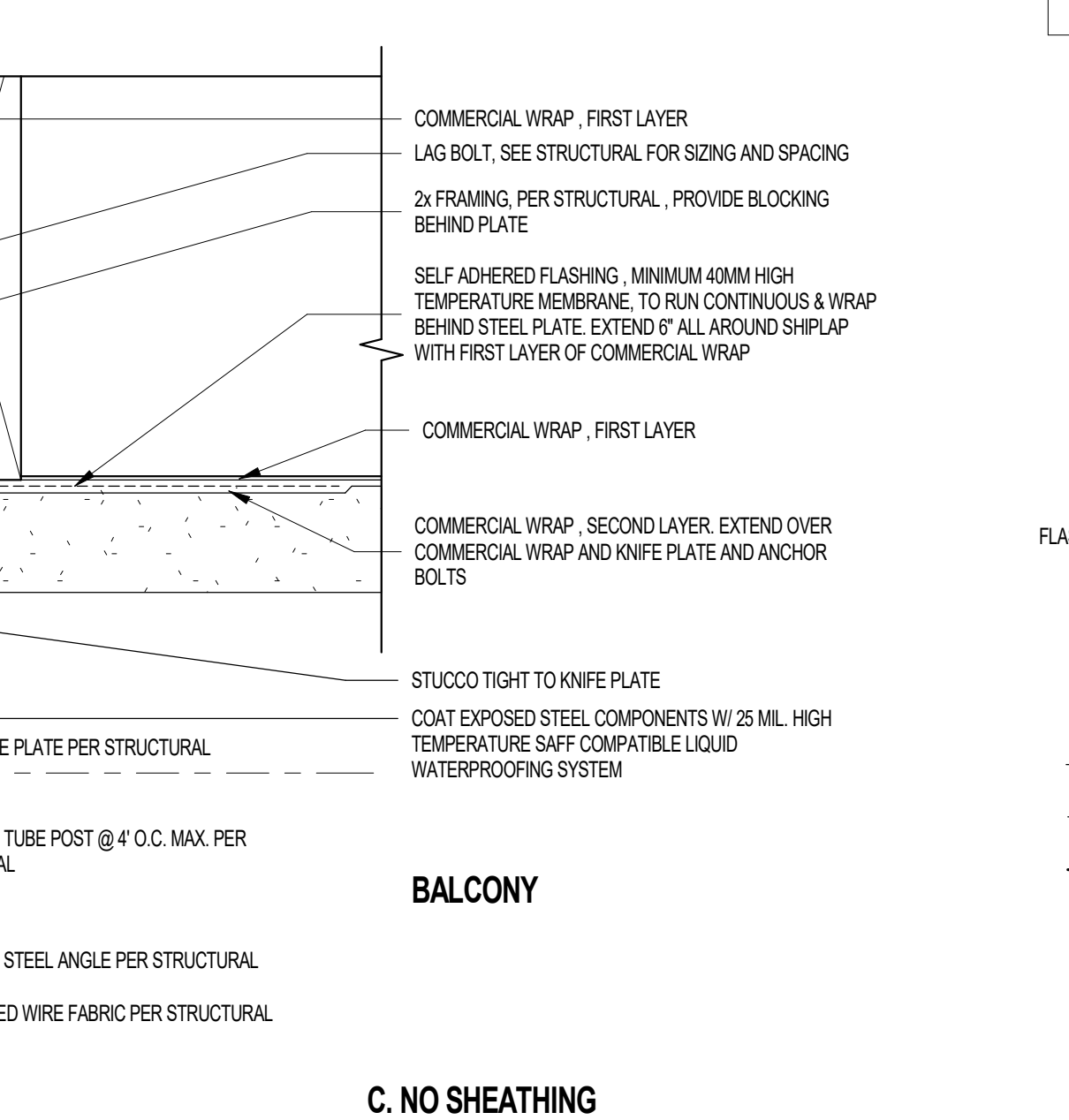
NOT TO SCALE

36 BALCONY GUARDRAIL KNIFE PLATE ATTACHMENT WATERPROOFING AT SIDE WALL

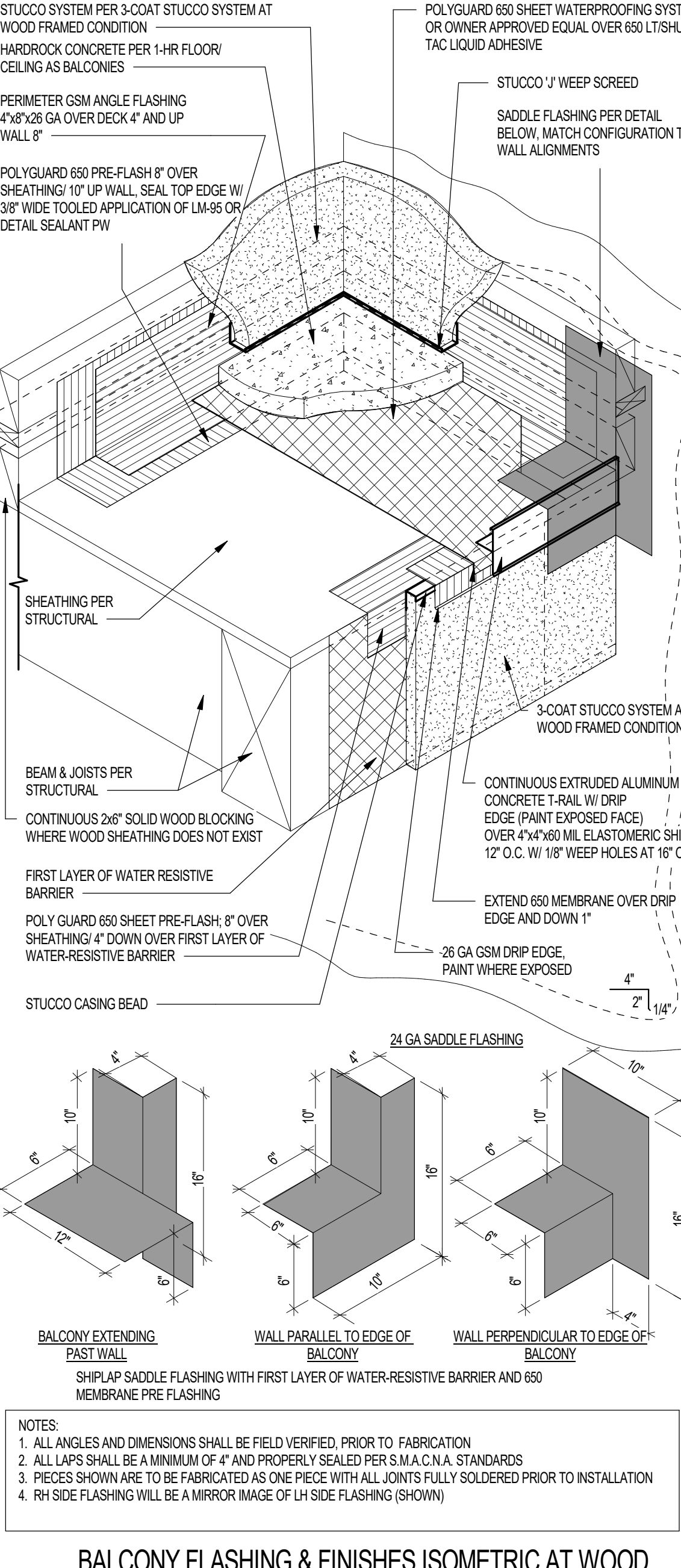


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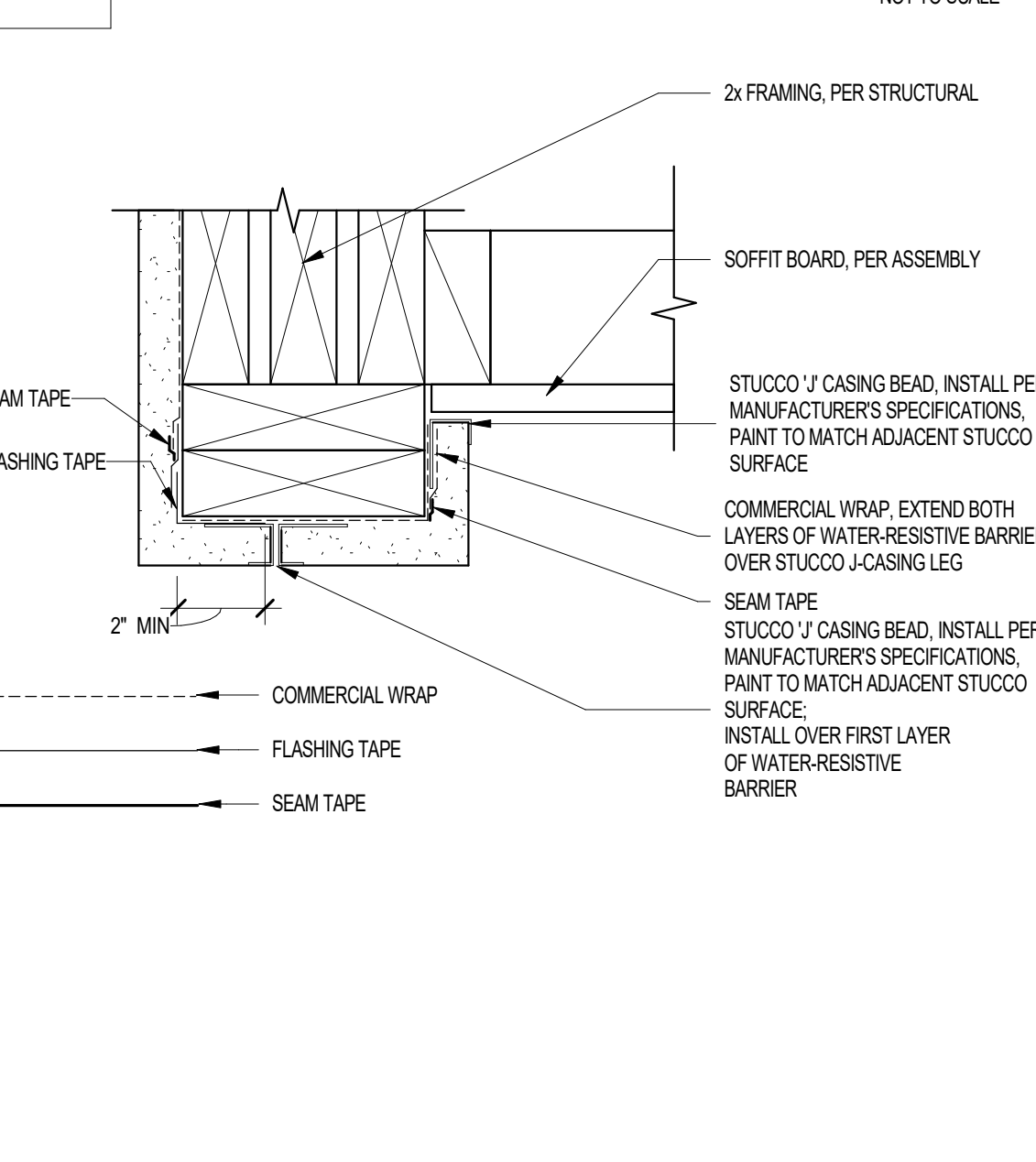
C. NO SHEATHING



NOT TO SCALE

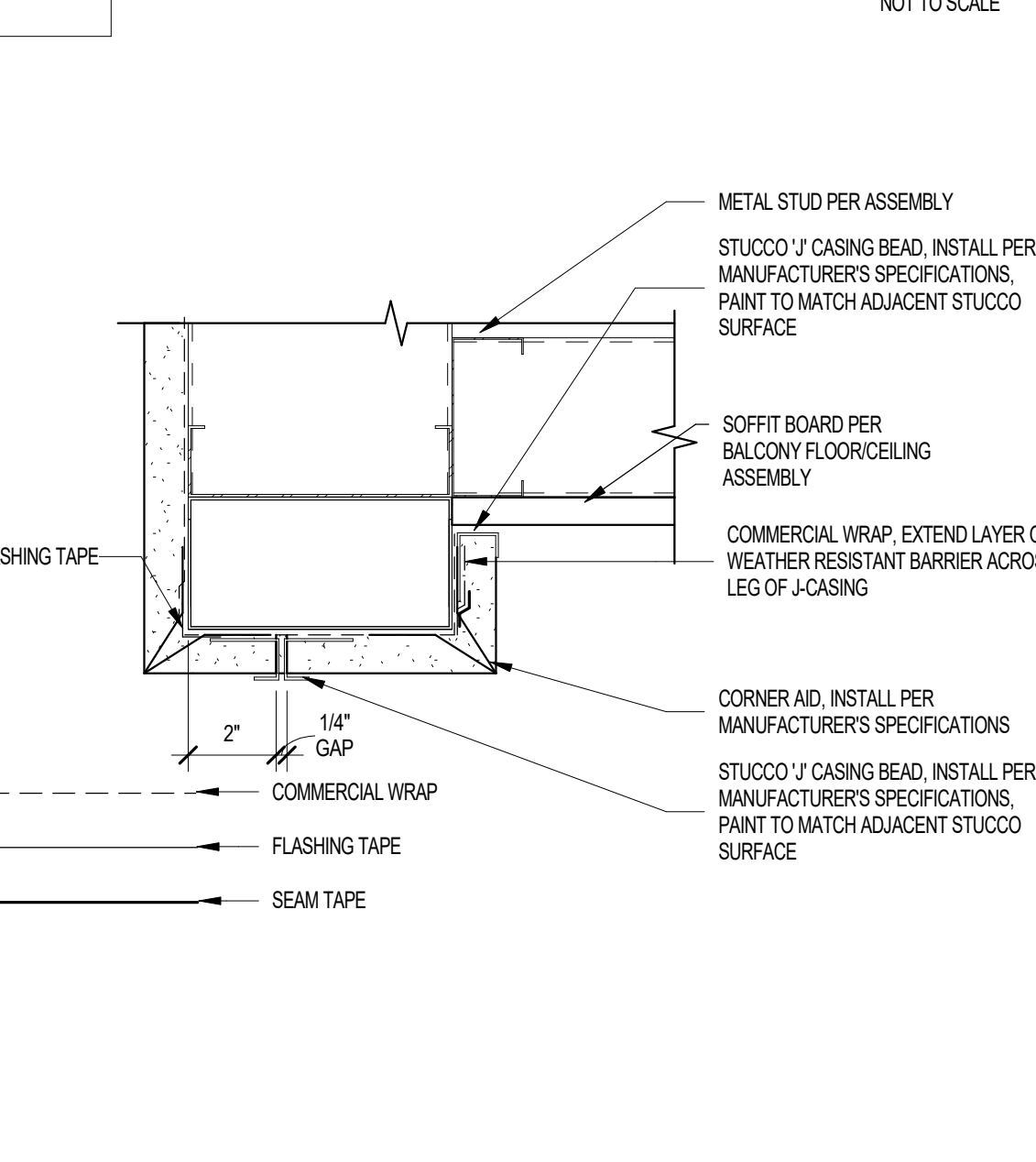


26 BALCONY FLASHING & FINISHES ISOMETRIC AT WOOD FRAMING



NOT TO SCALE

27 PATIO/BALCONY SOFFIT HEAD



NOT TO SCALE

Project Name 1
Project Name 2
Street Address
City, State

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ORB
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RESIDENTIAL
LEGACY HOSPITALITY

Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the advance of billing or alternate billing cycle after the first draw. This contract shall also be subject to the contractor's right to request alternate billing cycle after certification and approval of billing and contract. A written decision of the contractor shall be binding on the client.

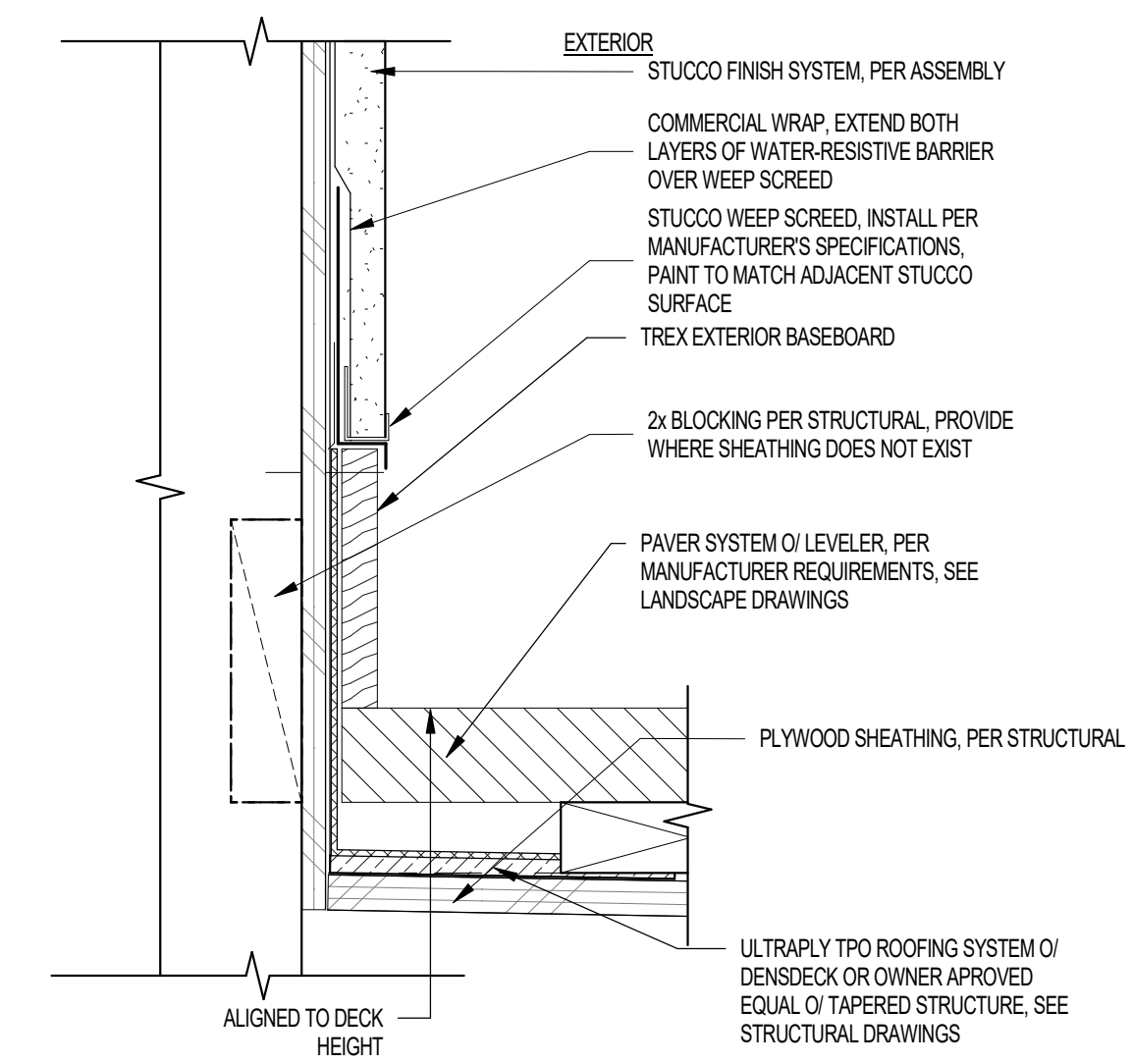
Contractor must verify all dimensions of project before proceeding with this work.

Revisions/ Submittals
DATE DESCRIPTION

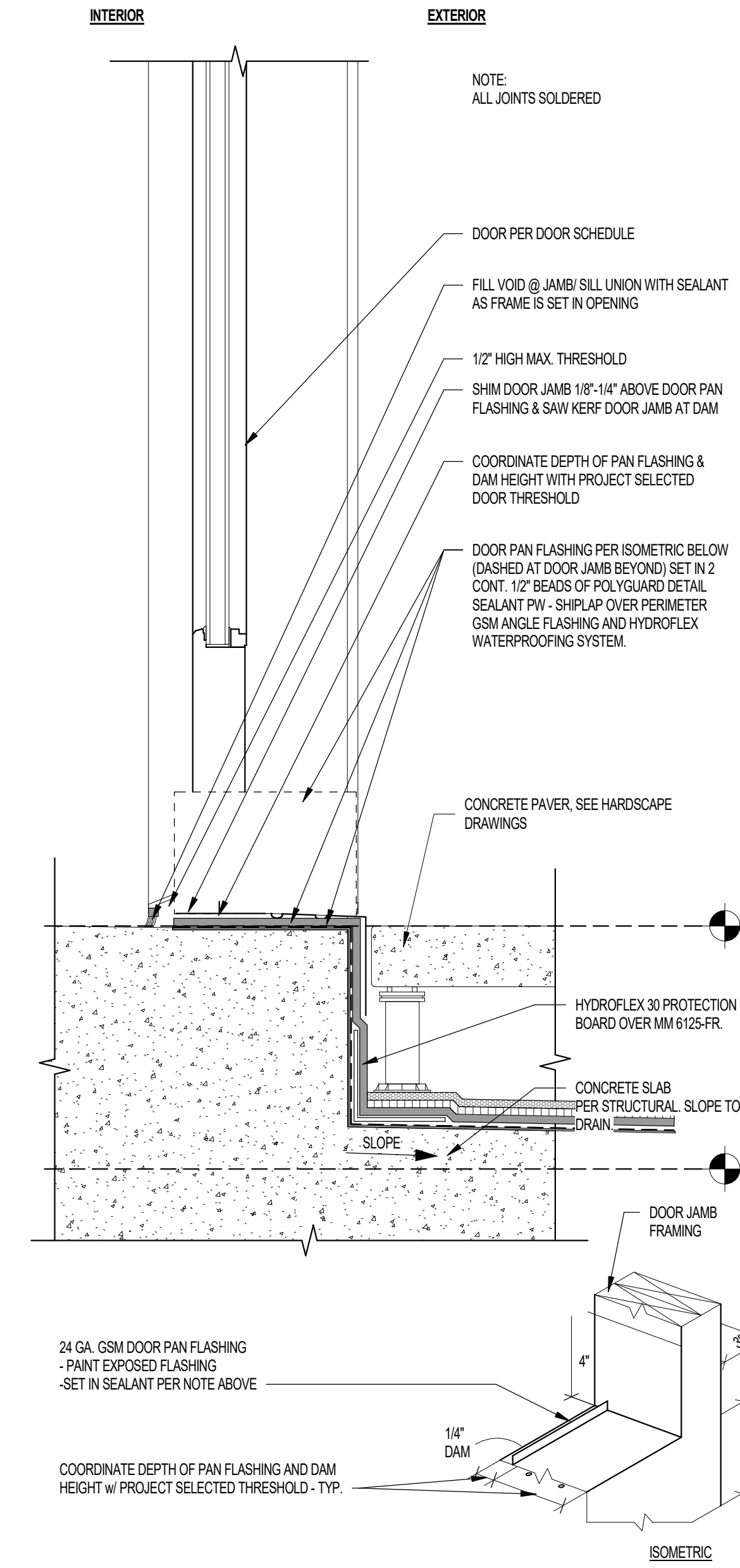
REVISIONS/SUBMITTALS
DATE DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

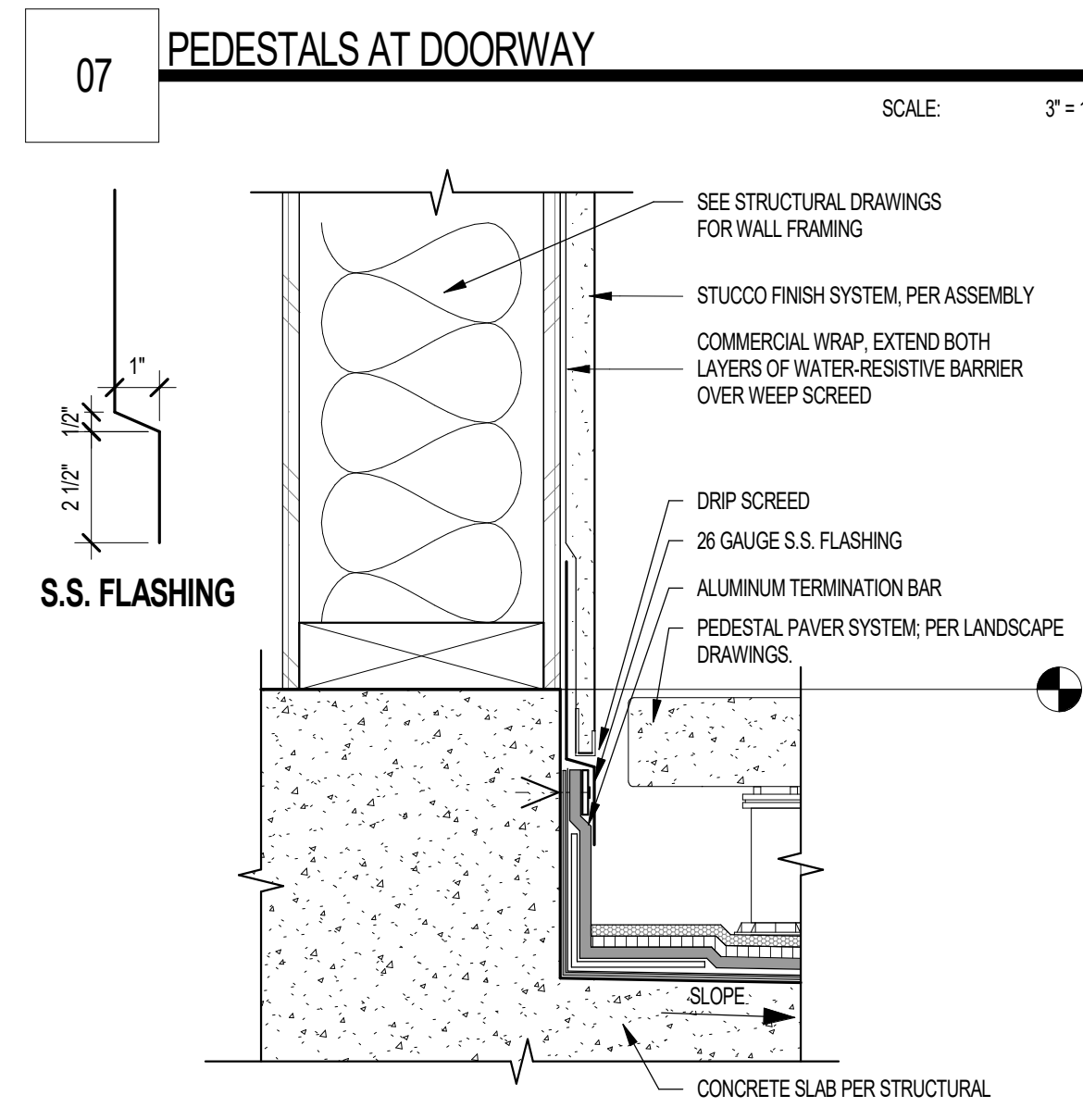
A7.4.31
BALCONY DETAILS



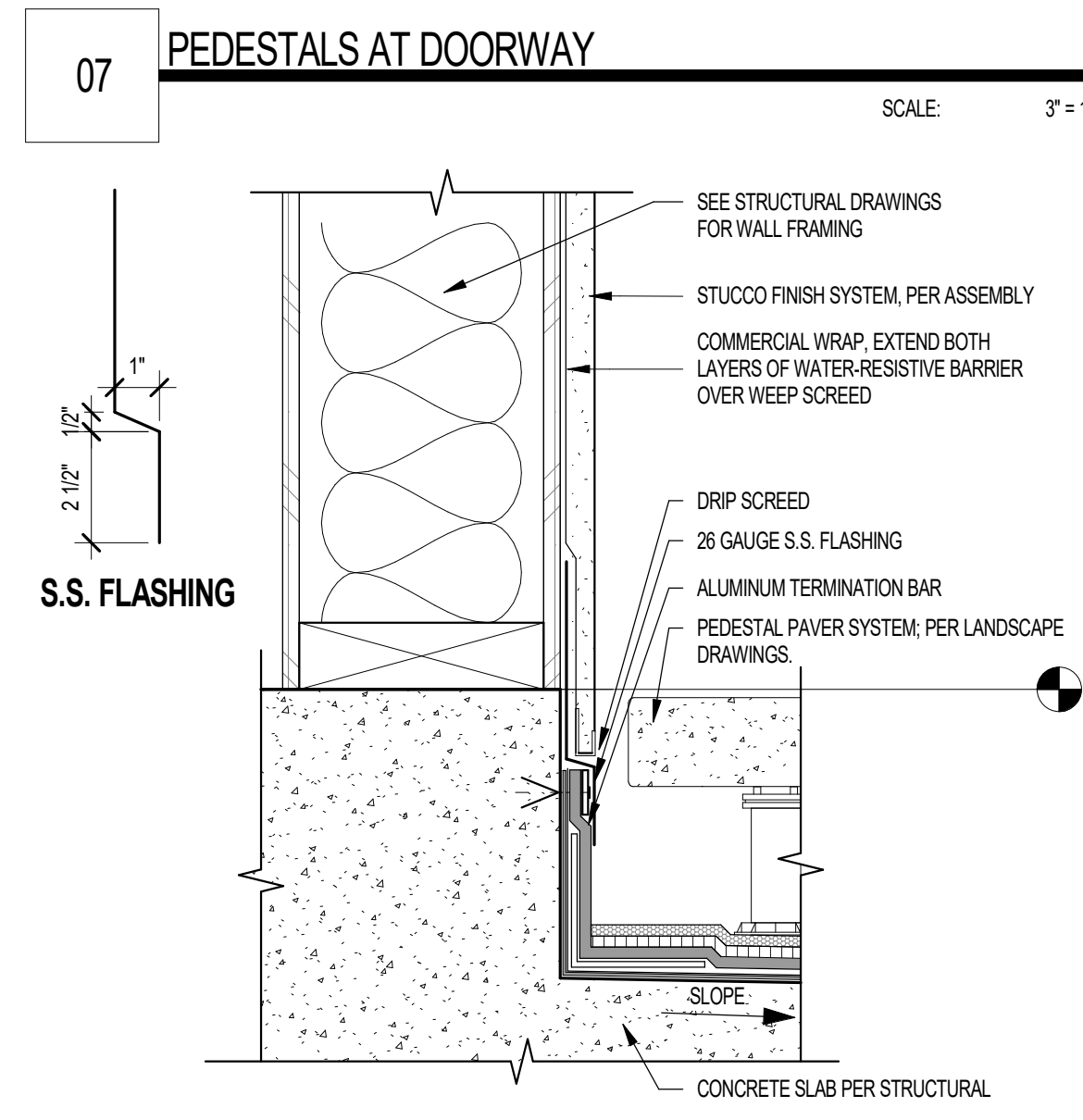
01 PEDESTAL SYSTEM FLASHING AT ROOF DECK EXTERIOR WALL
SCALE: 3" = 1'-0"



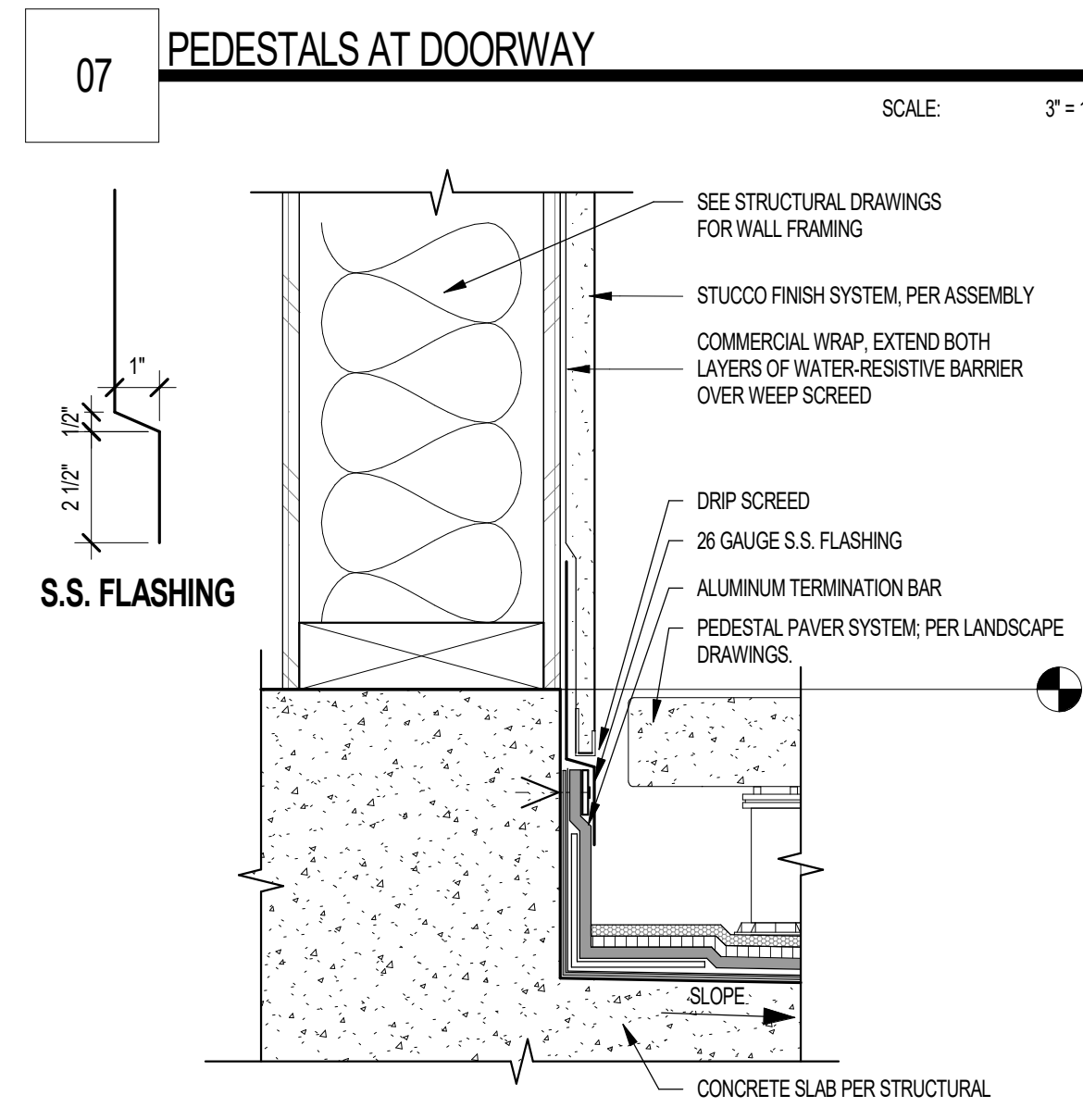
02 TPO AND PEDESTAL ROOF SYSTEM AT CMU WALL
SCALE: 1 1/2" = 1'-0"



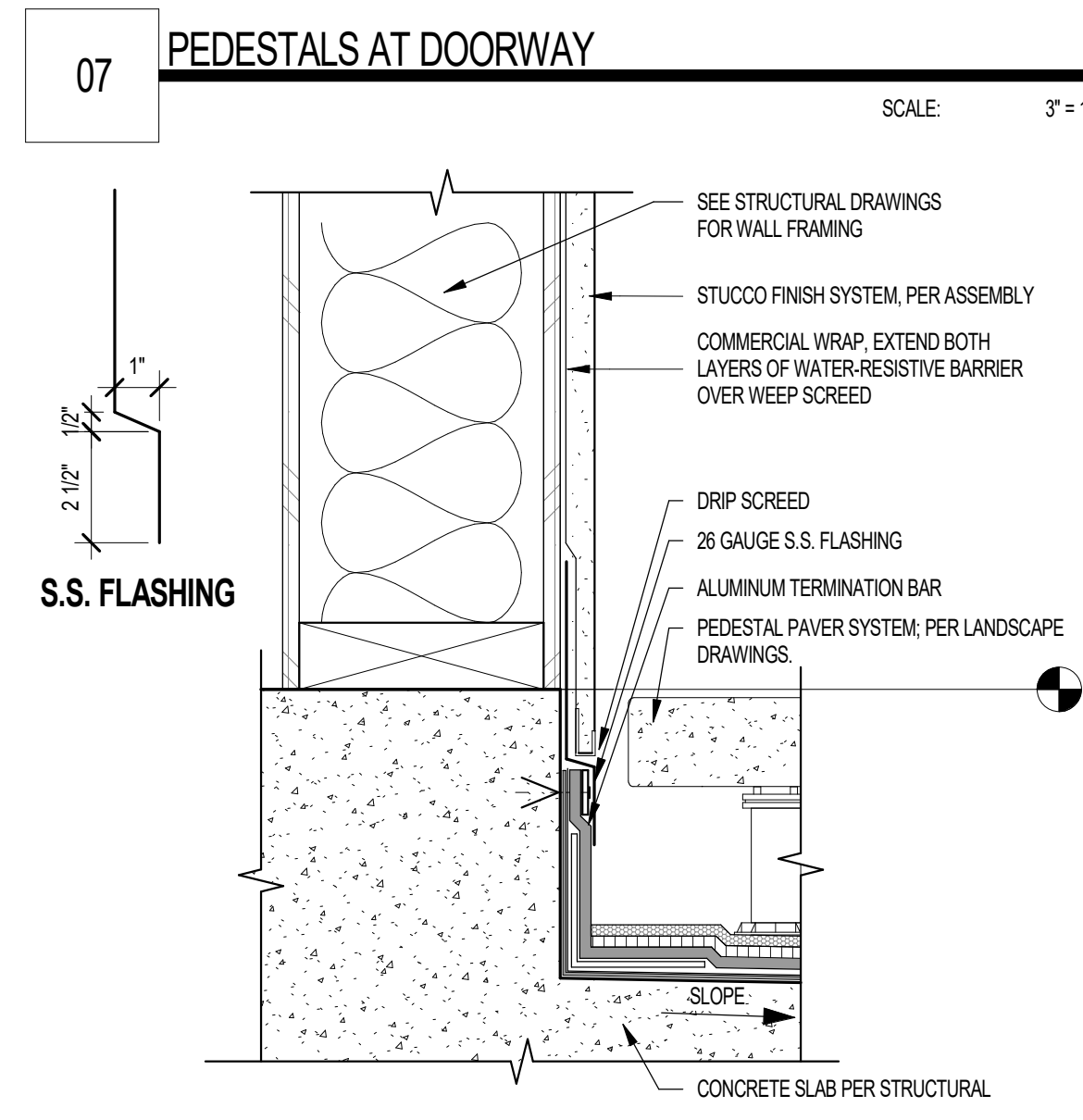
03 ROOF DECK @ GUARDRAIL
SCALE: 1" = 1'-0"



04 PAVES WATERPROOFING TERMINATION AT CMU WALL
SCALE: 3" = 1'-0"



07 PEDESTALS AT DOORWAY
SCALE: 3" = 1'-0"



08 RAISED PAVERS AT WALL BASE
SCALE: 3" = 1'-0"

Project Name 1
Project Name 2
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City, State



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CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

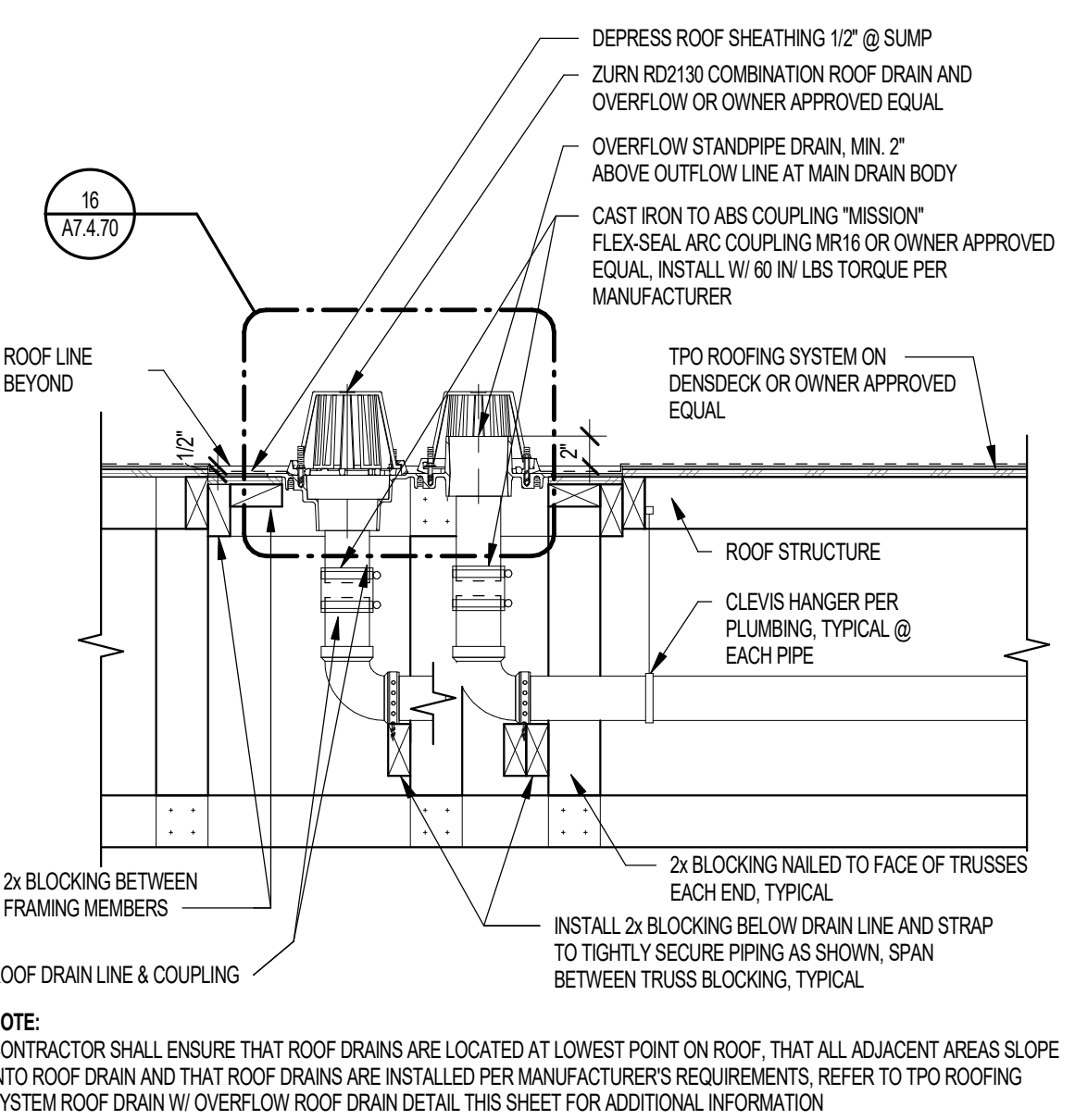
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect.

REVISIONS/SUBMITTALS	DATE	DESCRIPTION

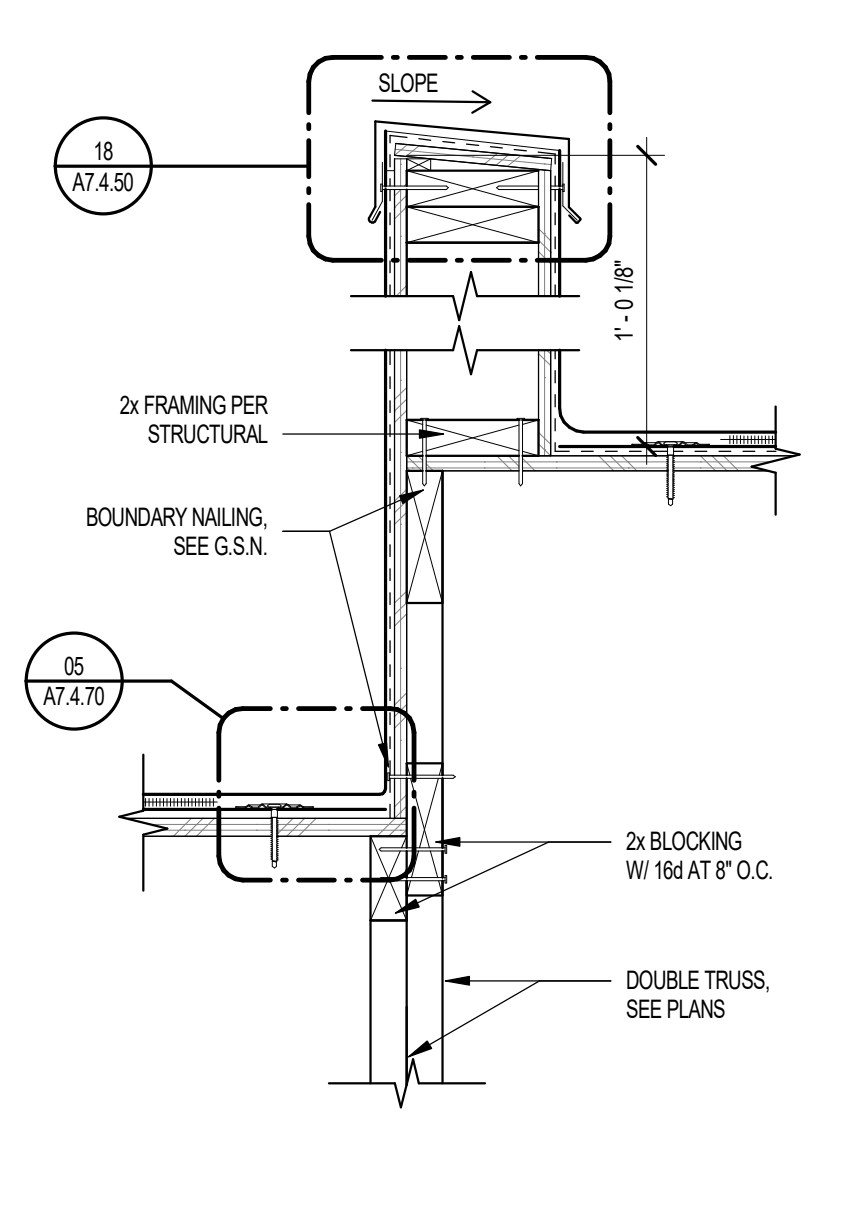
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.4.40
PEDESTAL SYSTEM DETAILS

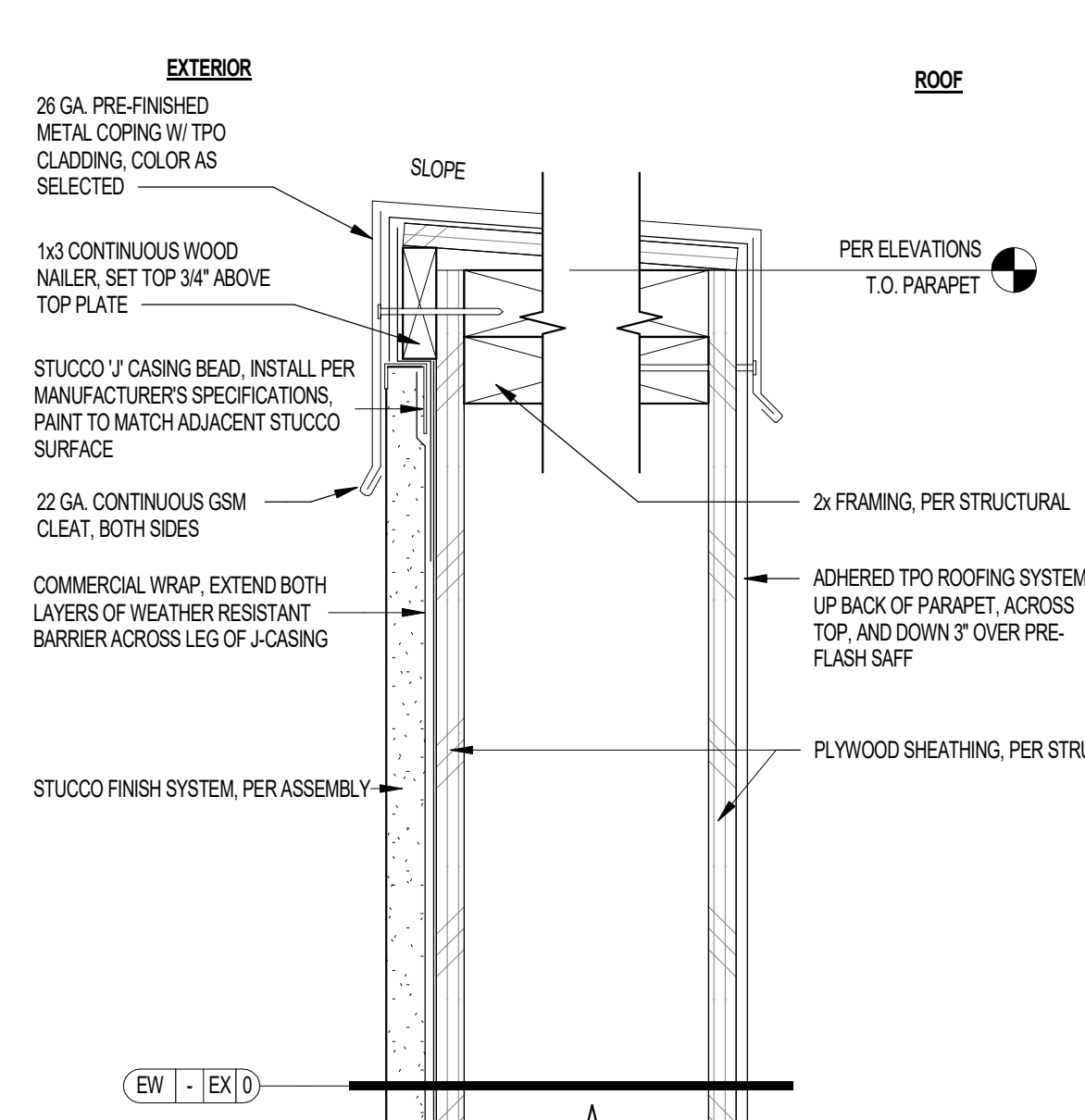
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User: jrb
Title: A7.4.50 - ROOF AND OVERFLOW DRAIN PIPING SUPPORT
Date: 9/17/2024 2:24:03 PM
Scale: 1/4" = 1'-0"
Sheet: 01
Project: A7.4.50
Revision: 00



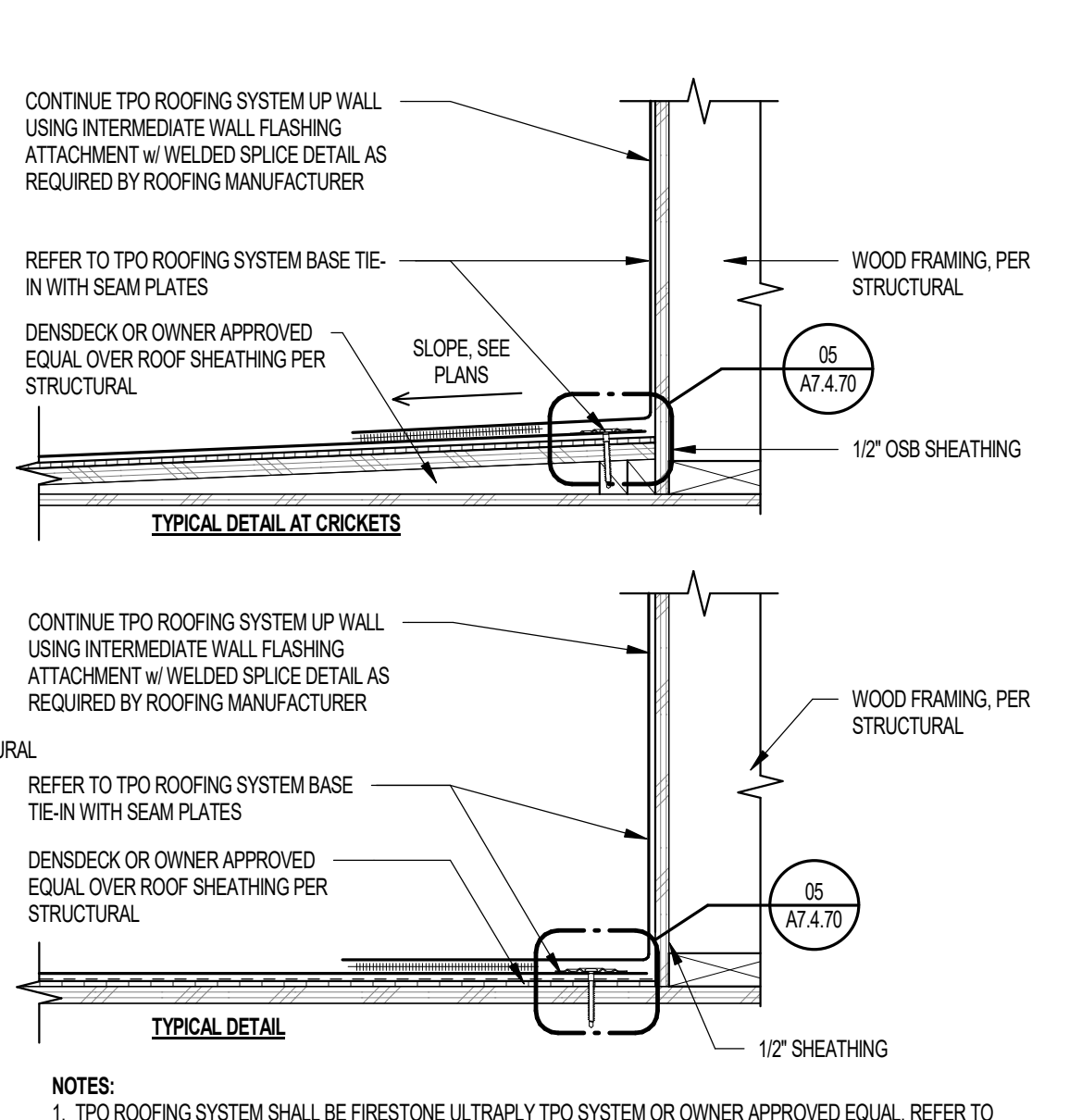
21 ROOF AND OVERFLOW DRAIN PIPPING SUPPORT SCALE: 1" = 1'-0"



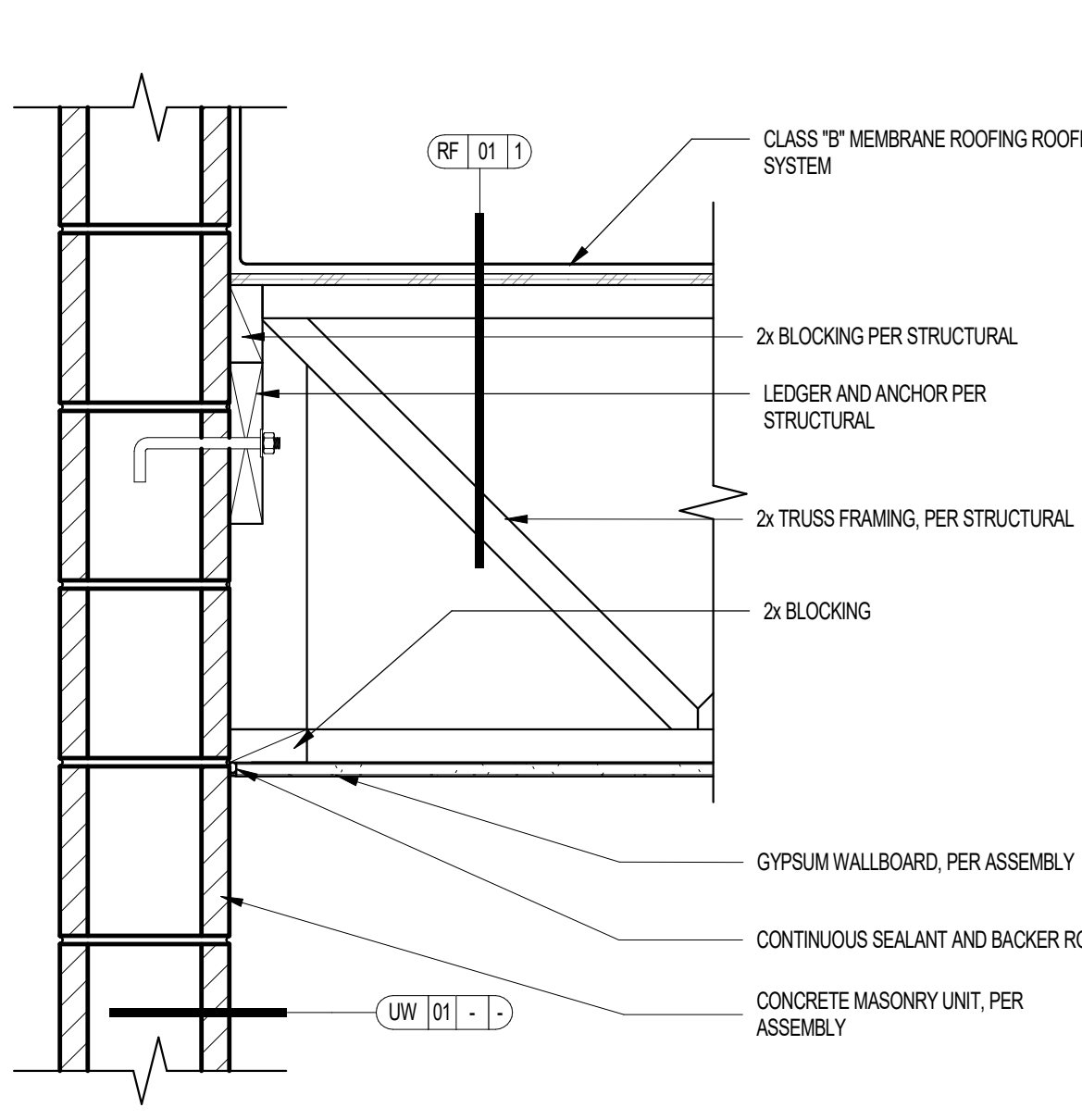
17 ROOF TRUSS AT STEP SECTION SCALE: 1 1/2" = 1'-0"



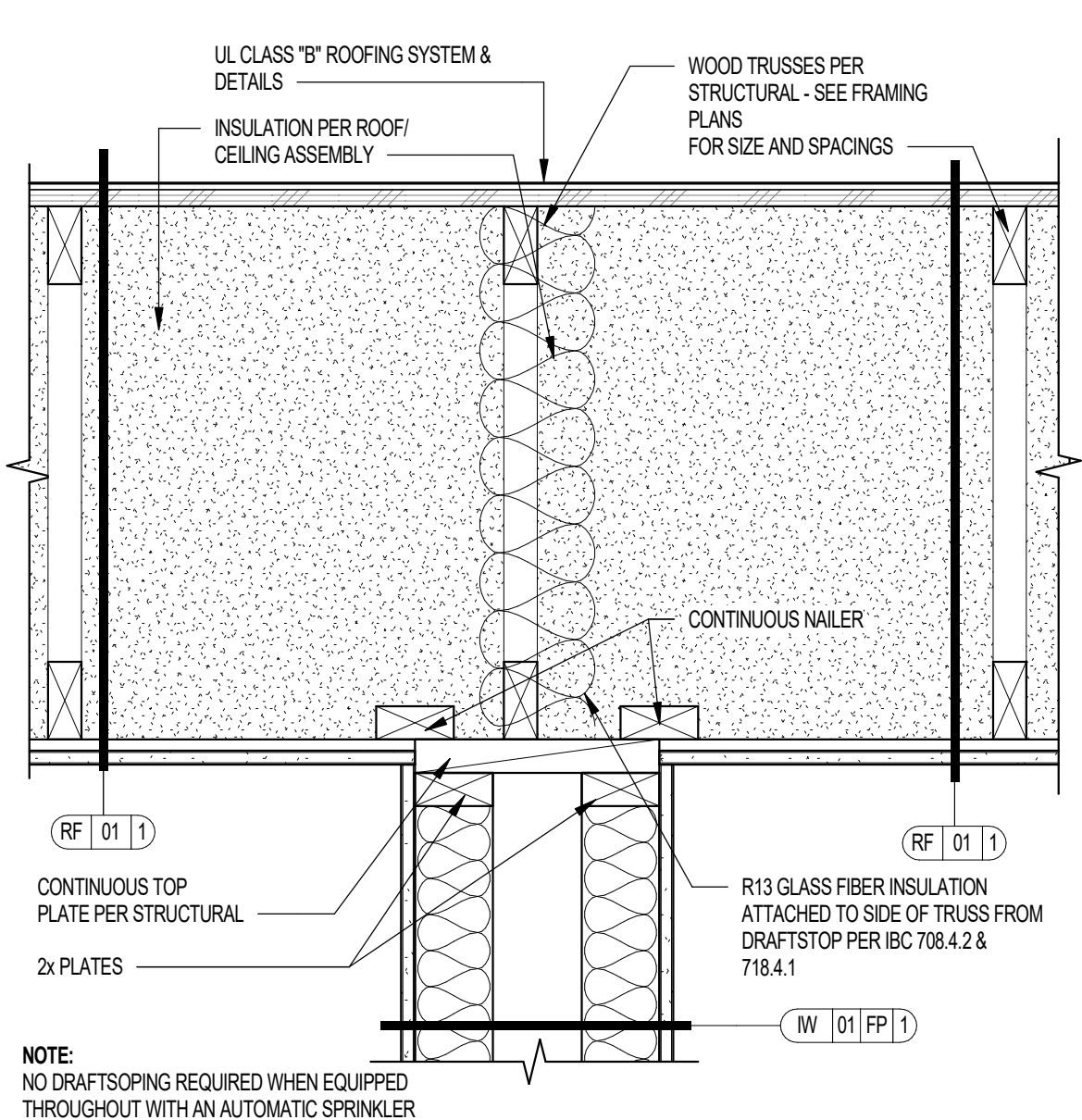
13 PARAPET METAL CAP FLASHING AT STUCCO WALL SCALE: 3" = 1'-0"



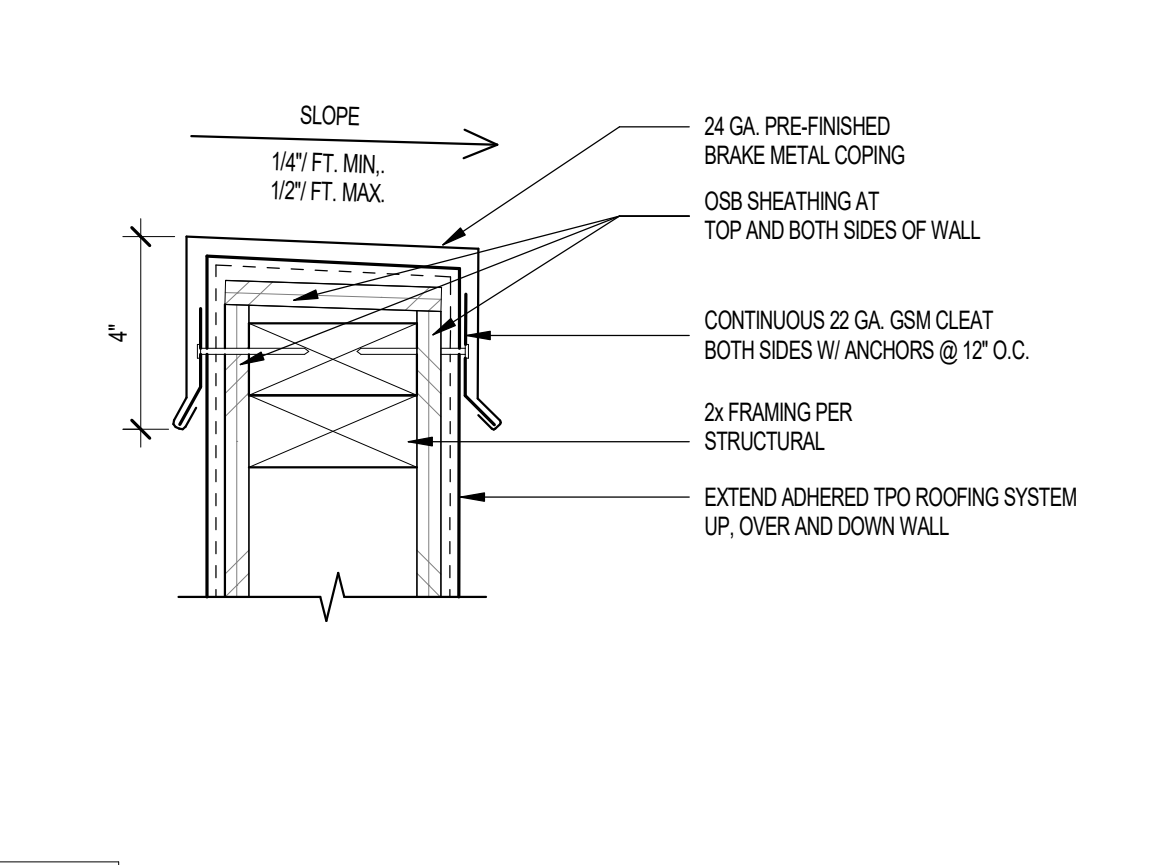
09 TPO ROOFING @ WOOD FRAMED WALL SCALE: 1 1/2" = 1'-0"



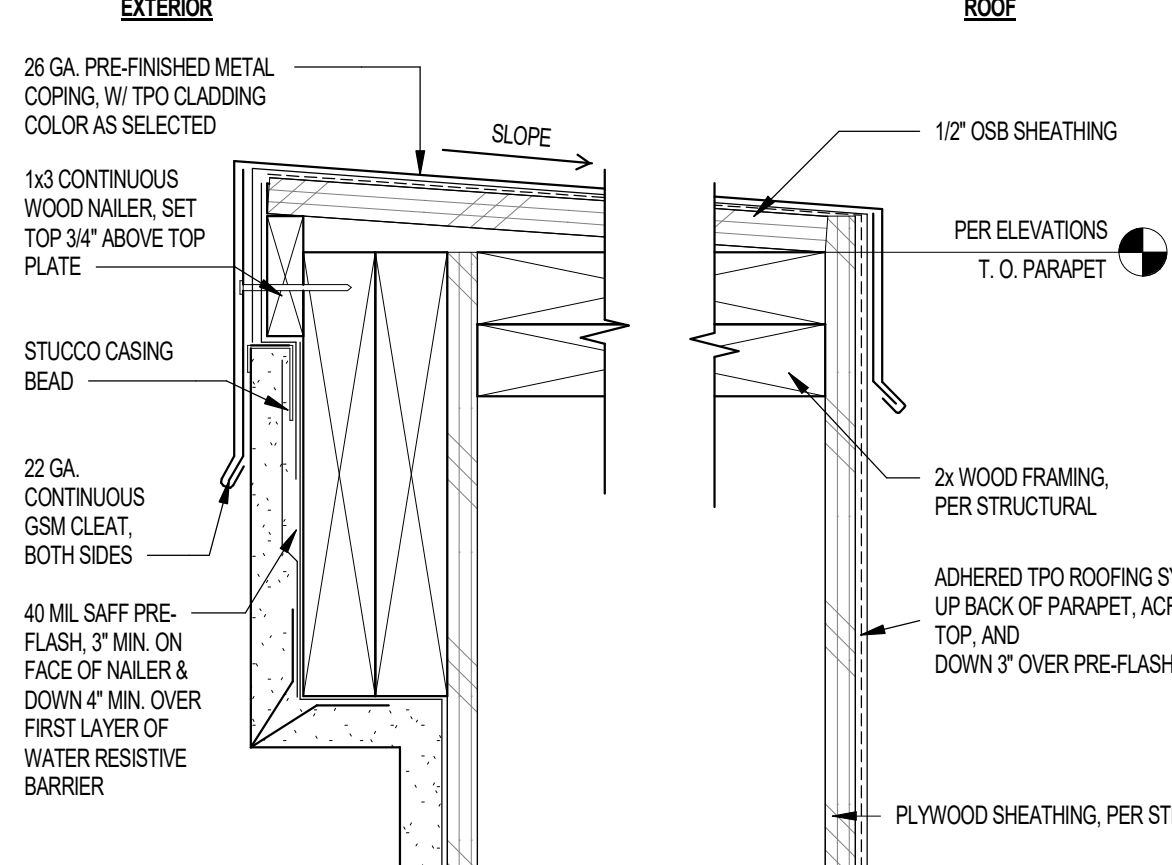
05 ROOF TRUSS AT CMU WALL SCALE: 1 1/2" = 1'-0"



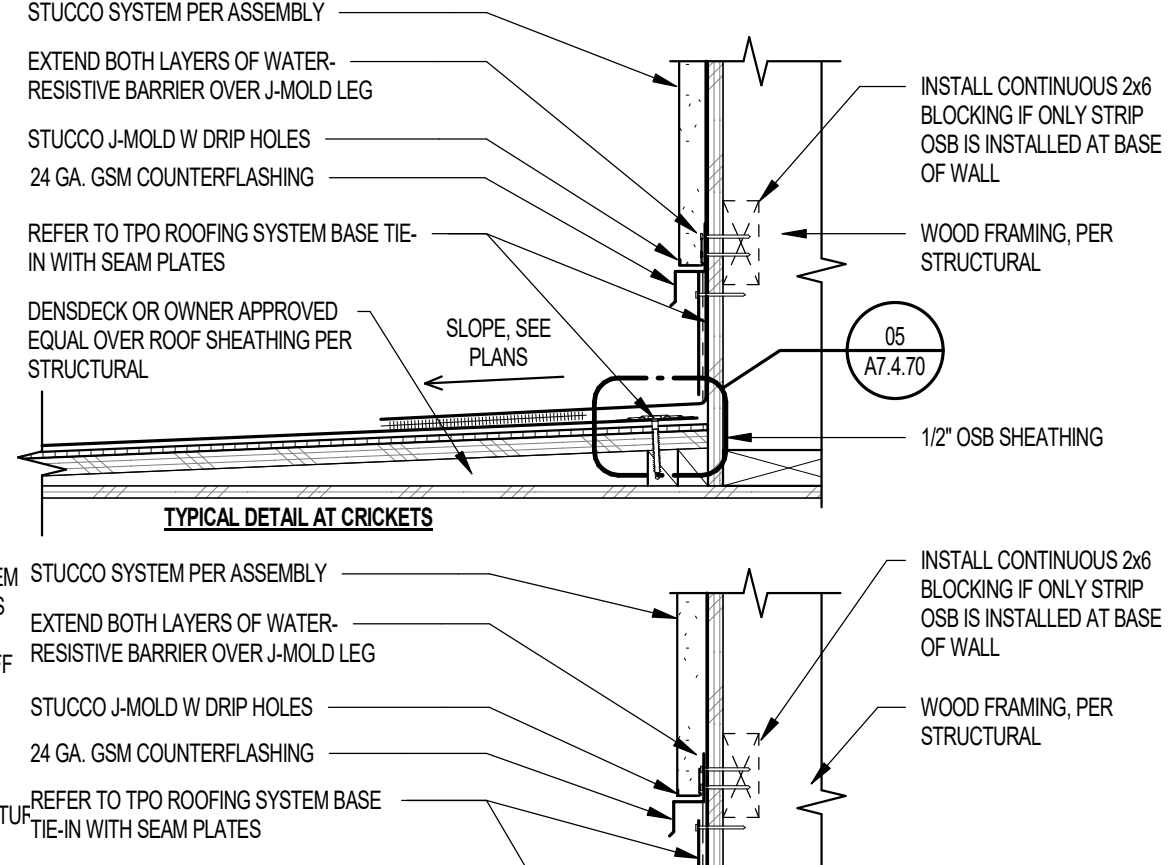
01 1-HR UNIT SEPARATION WALL AT 1-HR ROOF/CEILING SCALE: 1 1/2" = 1'-0"



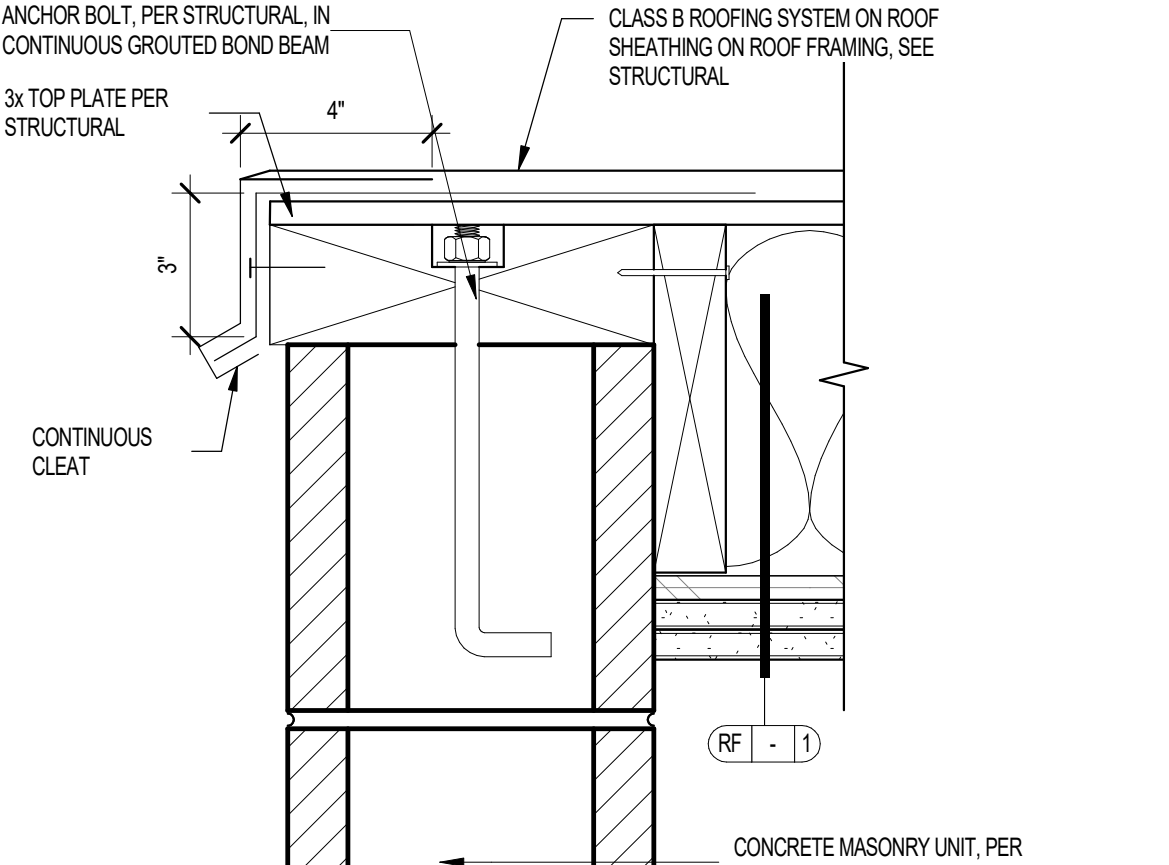
18 COPING AT TOP OF WALL SCALE: 3" = 1'-0"



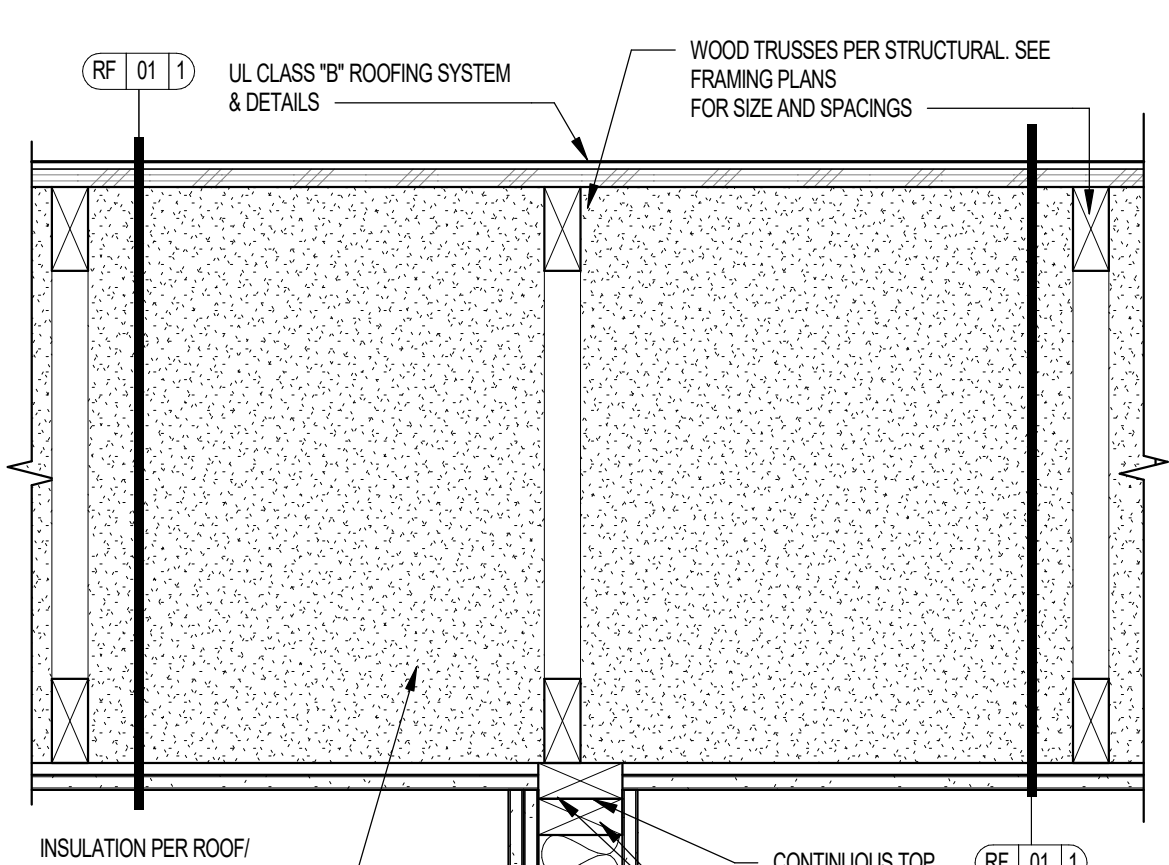
14 PARAPET METAL CAP FLASHING SCALE: 3" = 1'-0"



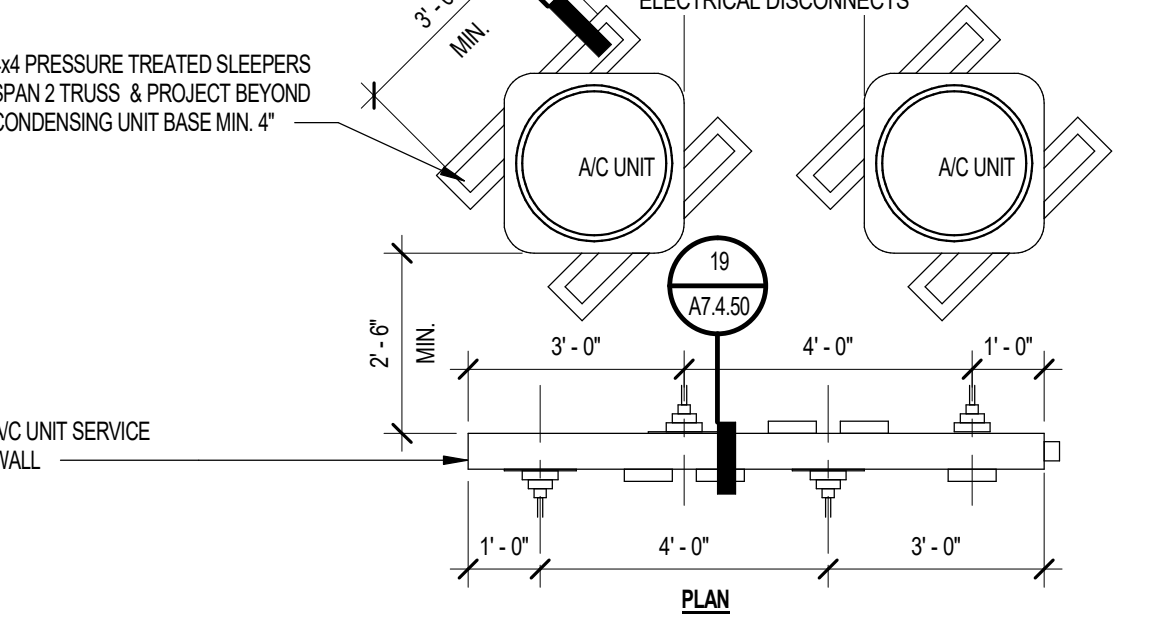
10 TPO ROOFING @ WOOD FRAMED STUCCO WALL SCALE: 1 1/2" = 1'-0"



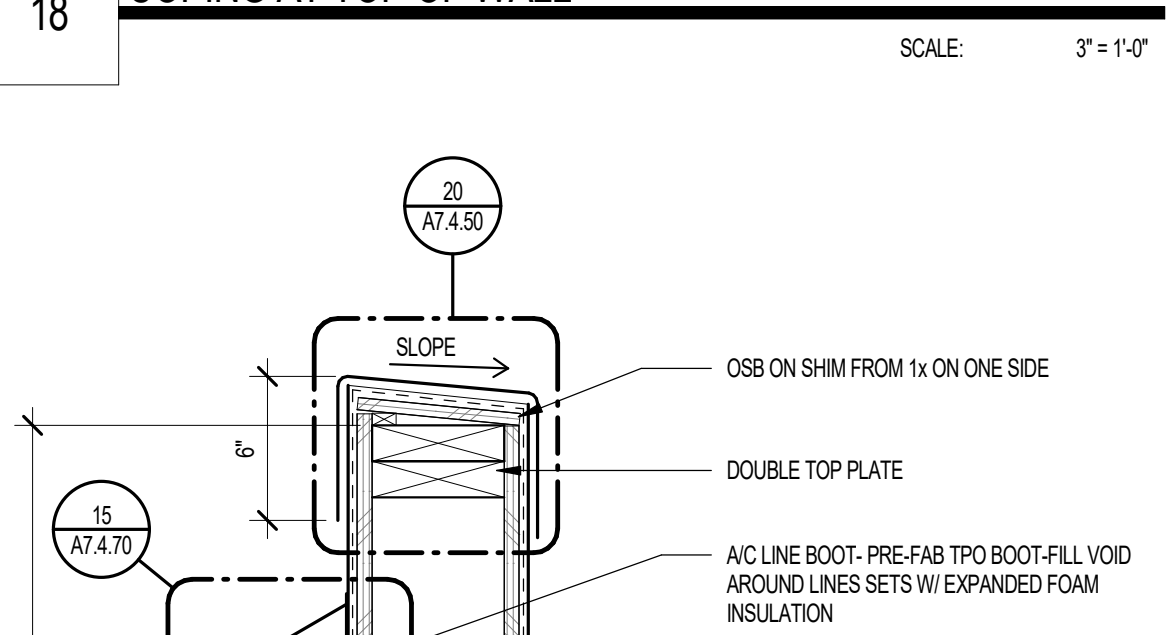
06 PARAPET METAL CAP FLASHING AT CMU WALL SCALE: 3" = 1'-0"



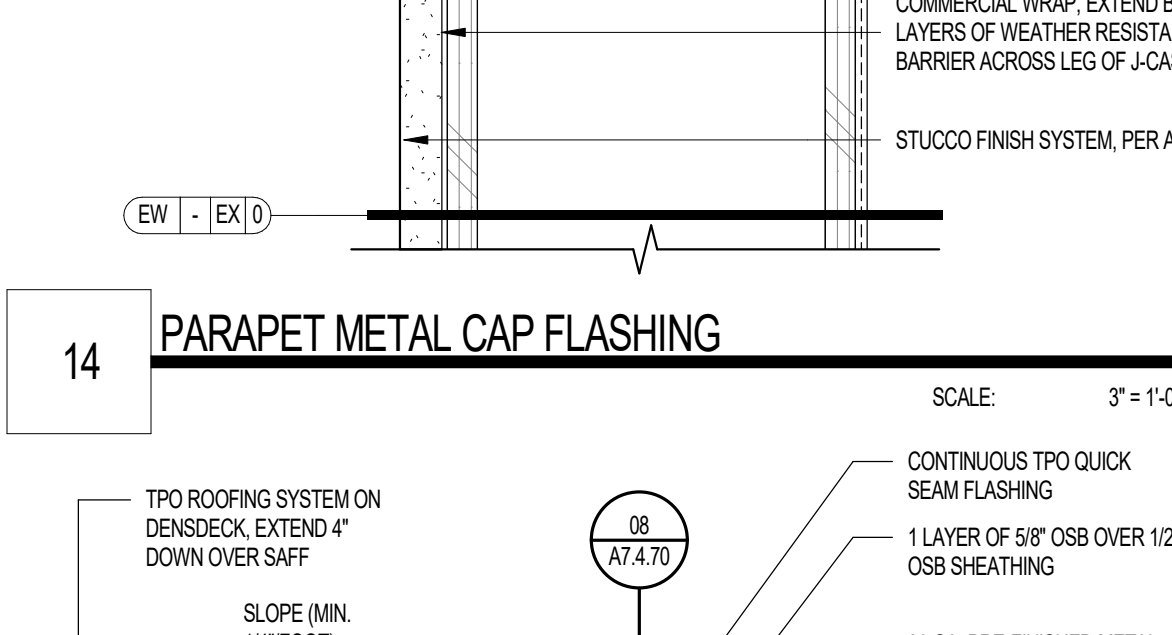
02 1-HR CORRIDOR WALL AT 1-HR ROOF/CEILING SCALE: 1 1/2" = 1'-0"



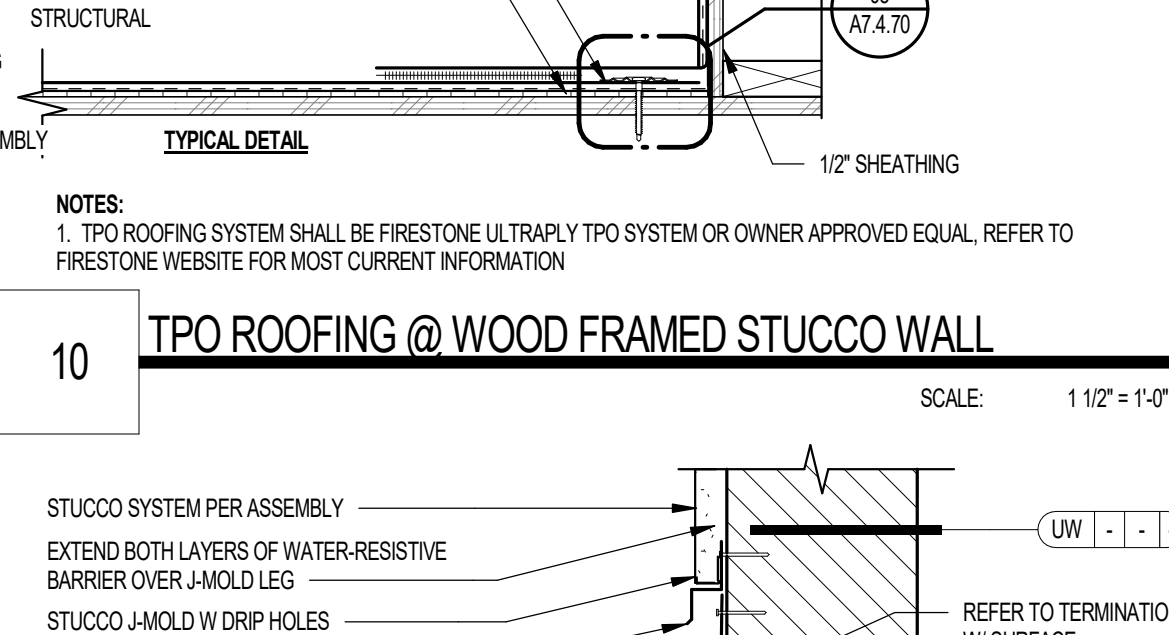
19 A/C UNIT SERVICE WALL SECTION SCALE: 1 1/2" = 1'-0"



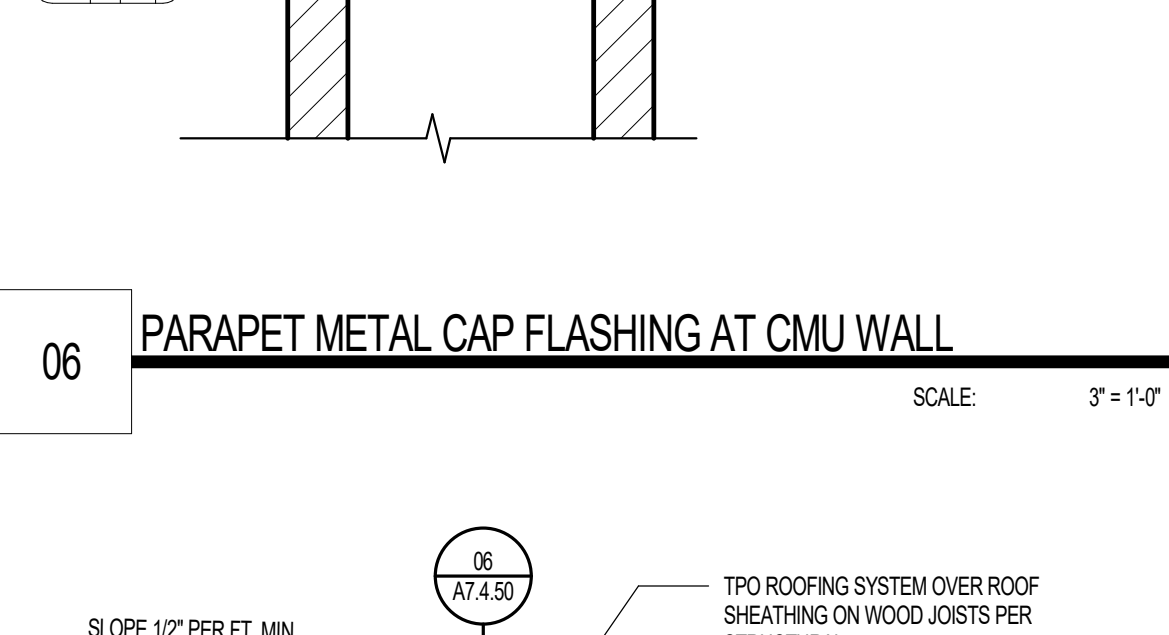
19 A/C UNIT SERVICE WALL SECTION SCALE: 1 1/2" = 1'-0"



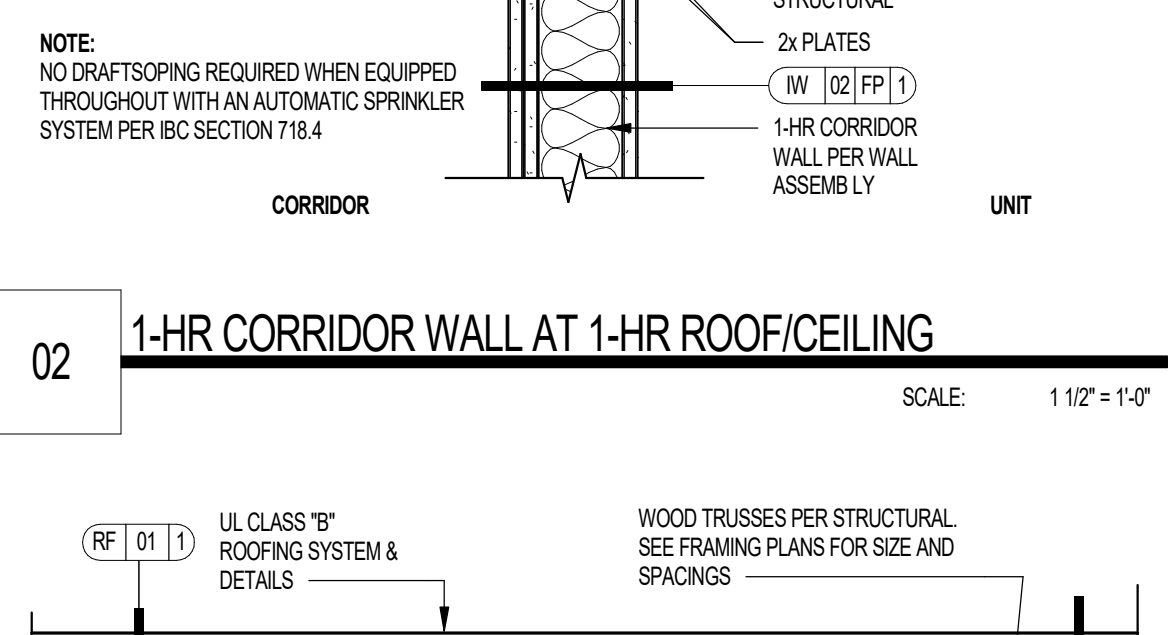
15 ROOF/SOFFIT METAL FASCIA SCALE: 3" = 1'-0"



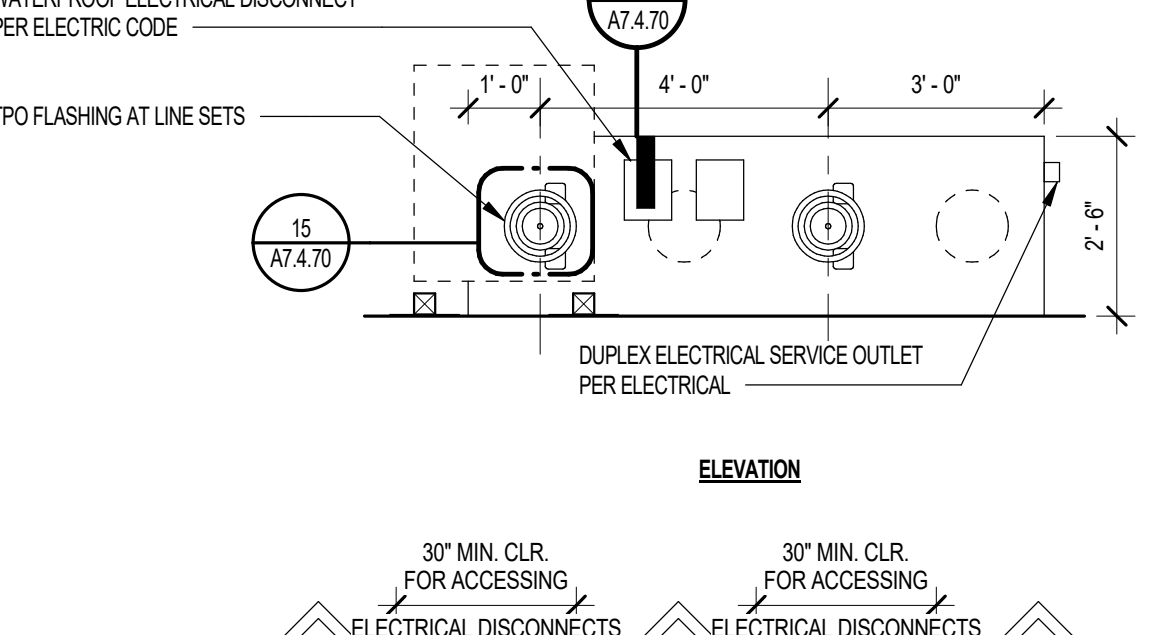
11 TPO ROOF SYSTEM/CRICKET AT CMU EXTERIOR WALL SCALE: 1 1/2" = 1'-0"



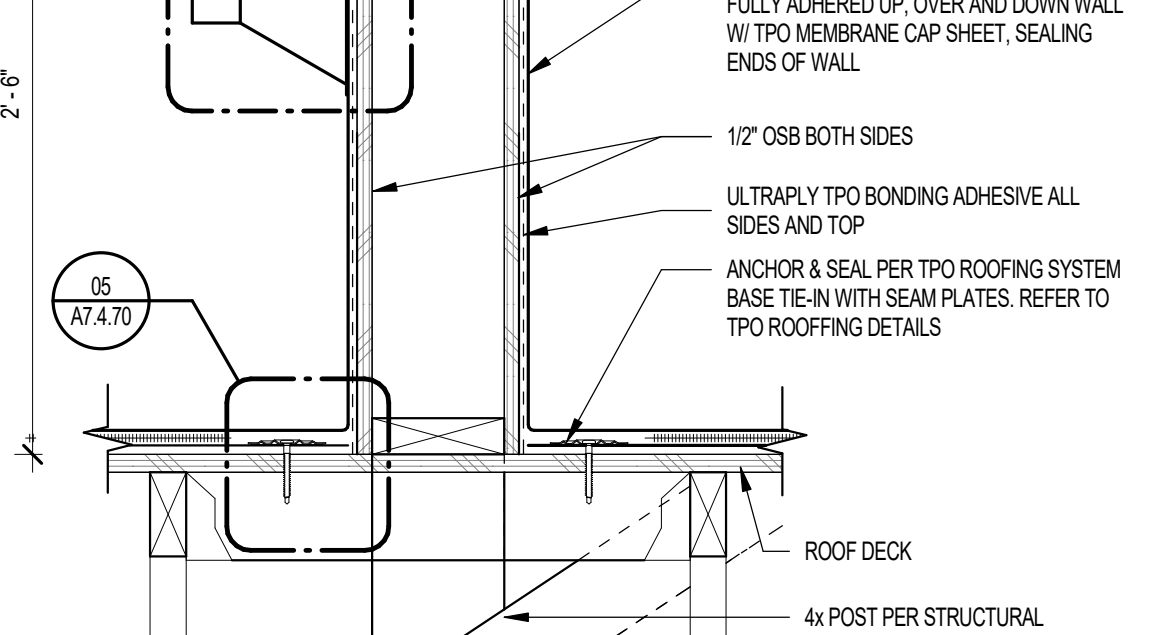
07 ROOF SYSTEM AT ELEVATOR SHAFT SCALE: 1" = 1'-0"



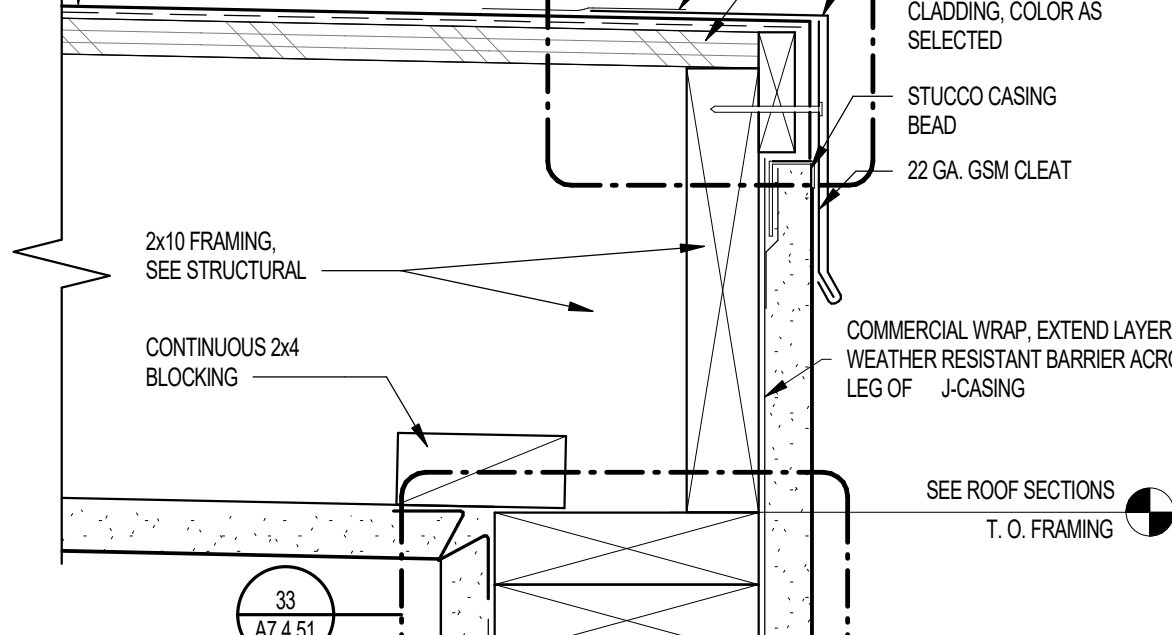
03 1-HR FIRE BARRIER WALL AT 1-HR ROOF/CEILING SCALE: 1 1/2" = 1'-0"



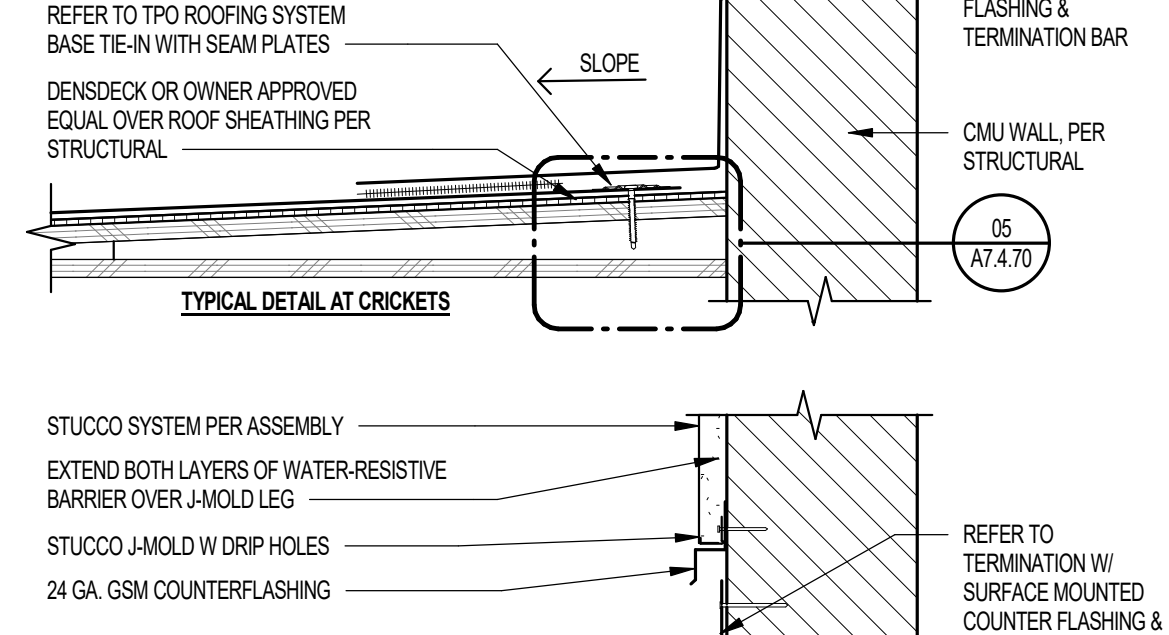
24 MECHANICAL SERVICE WALL ELEVATION SCALE: 3/8" = 1'-0"



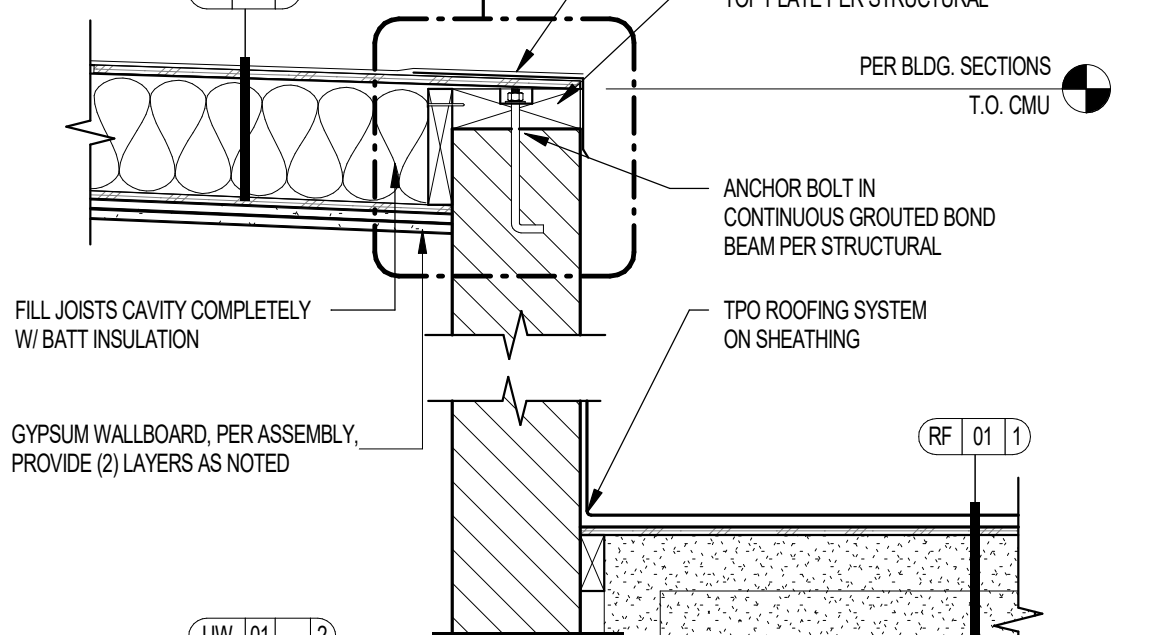
20 PARAPET CAP FLASHING SCALE: 3" = 1'-0"



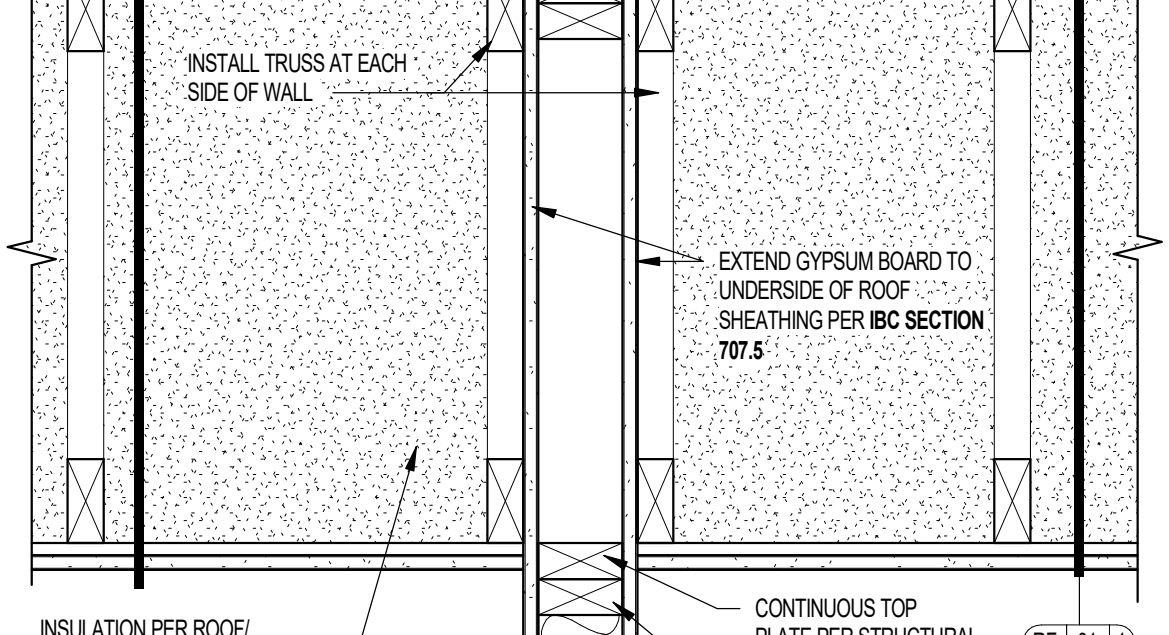
16 FLASHING AT CMU PARAPET WALL SCALE: 3" = 1'-0"



12 CMU CAP AT EXPOSED CMU WALL PARAPET SCALE: 3" = 1'-0"



08 ROOF SYSTEM AT STAIR SHAFT SCALE: 1" = 1'-0"



04 1-HR ROOF/CEILING AT 1-HR EXTERIOR WALL SCALE: 1 1/2" = 1'-0"

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Notice of alternate billing (or payment) cycle
This contract may allow the contractor to bill on a monthly basis or at other intervals as defined in the alternate billing schedule after certification and approval of billing and payment. A further decision of whether to bill on a monthly basis or at other intervals is the responsibility of the contractor.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or his design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

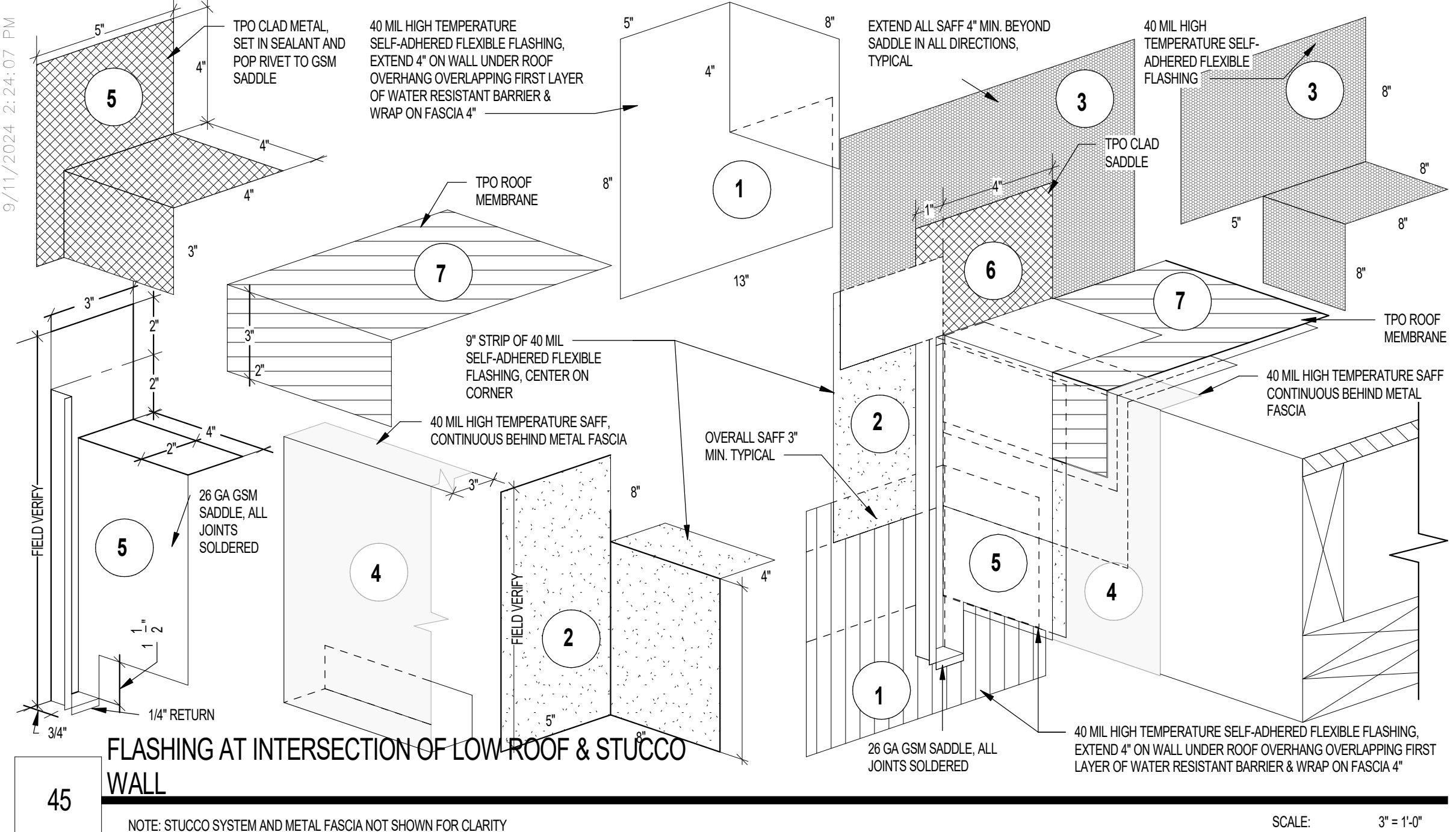
Contractor must verify all dimensions of project before proceeding with this work.

REVISIONS/SUBMITTALS
DATE DESCRIPTION

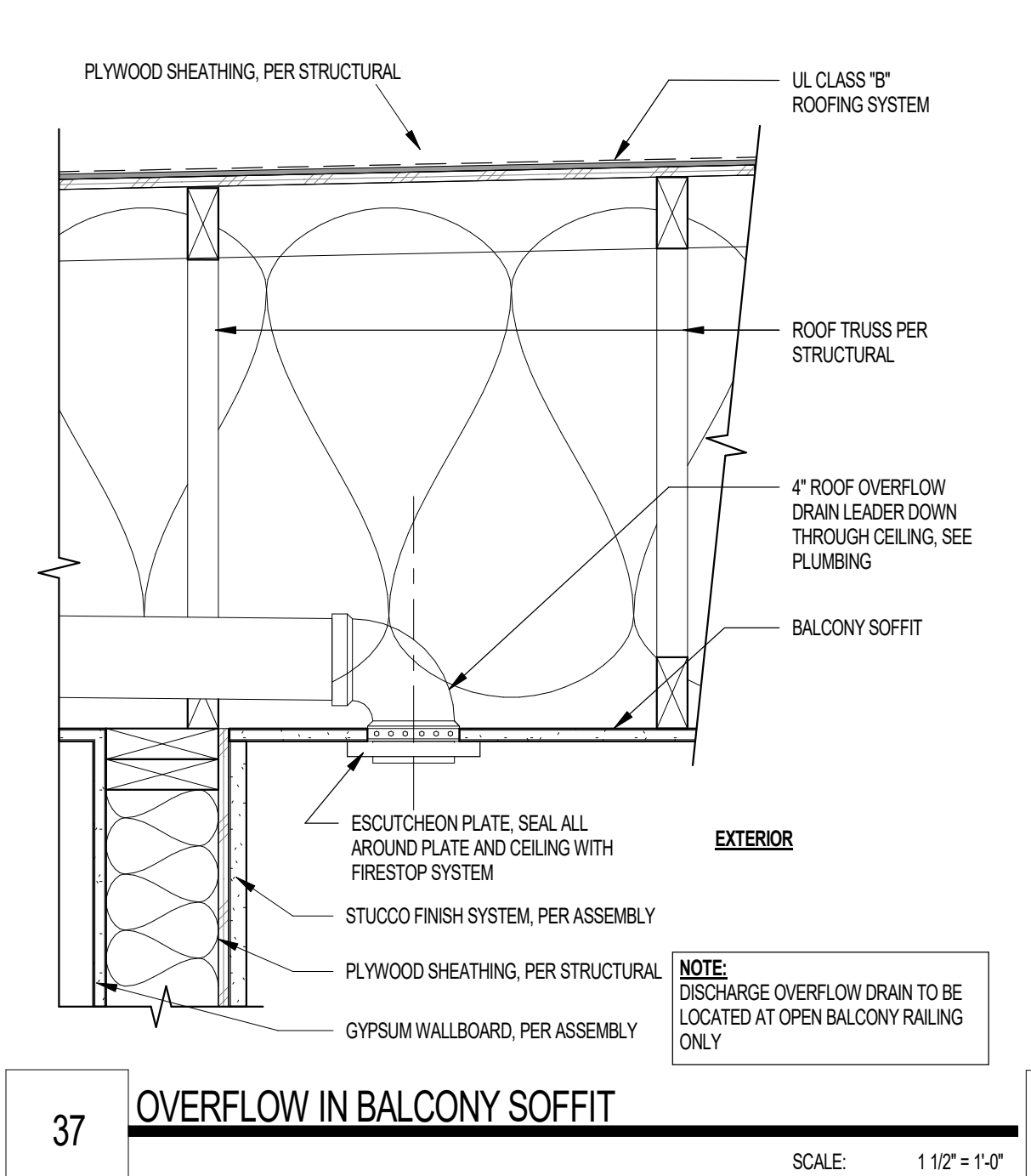
DATE	DESCRIPTION
SEPTEMBER 11, 2024	ORB # 00-000

A7.4.50
ROOF - CEILING DETAILS

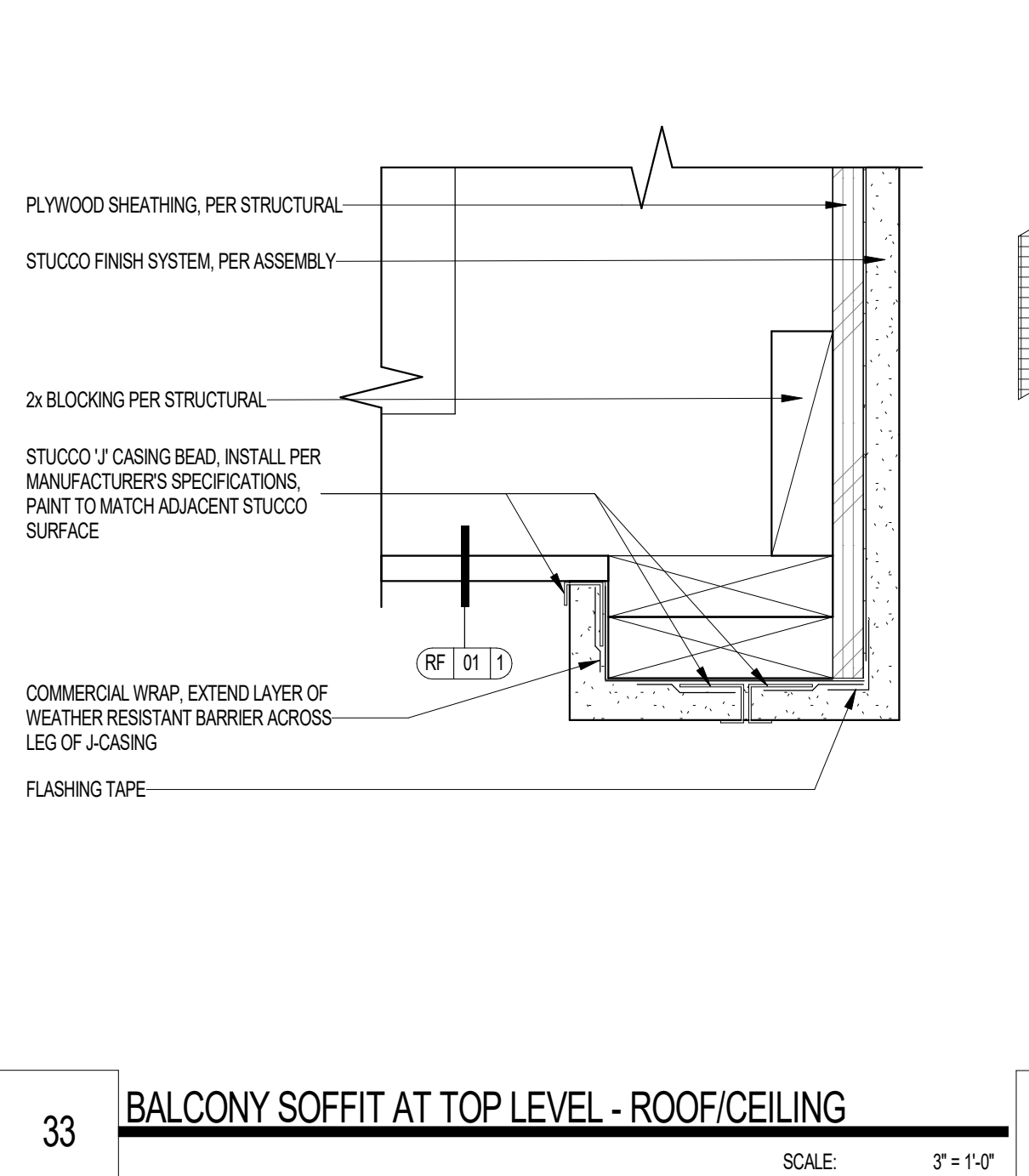
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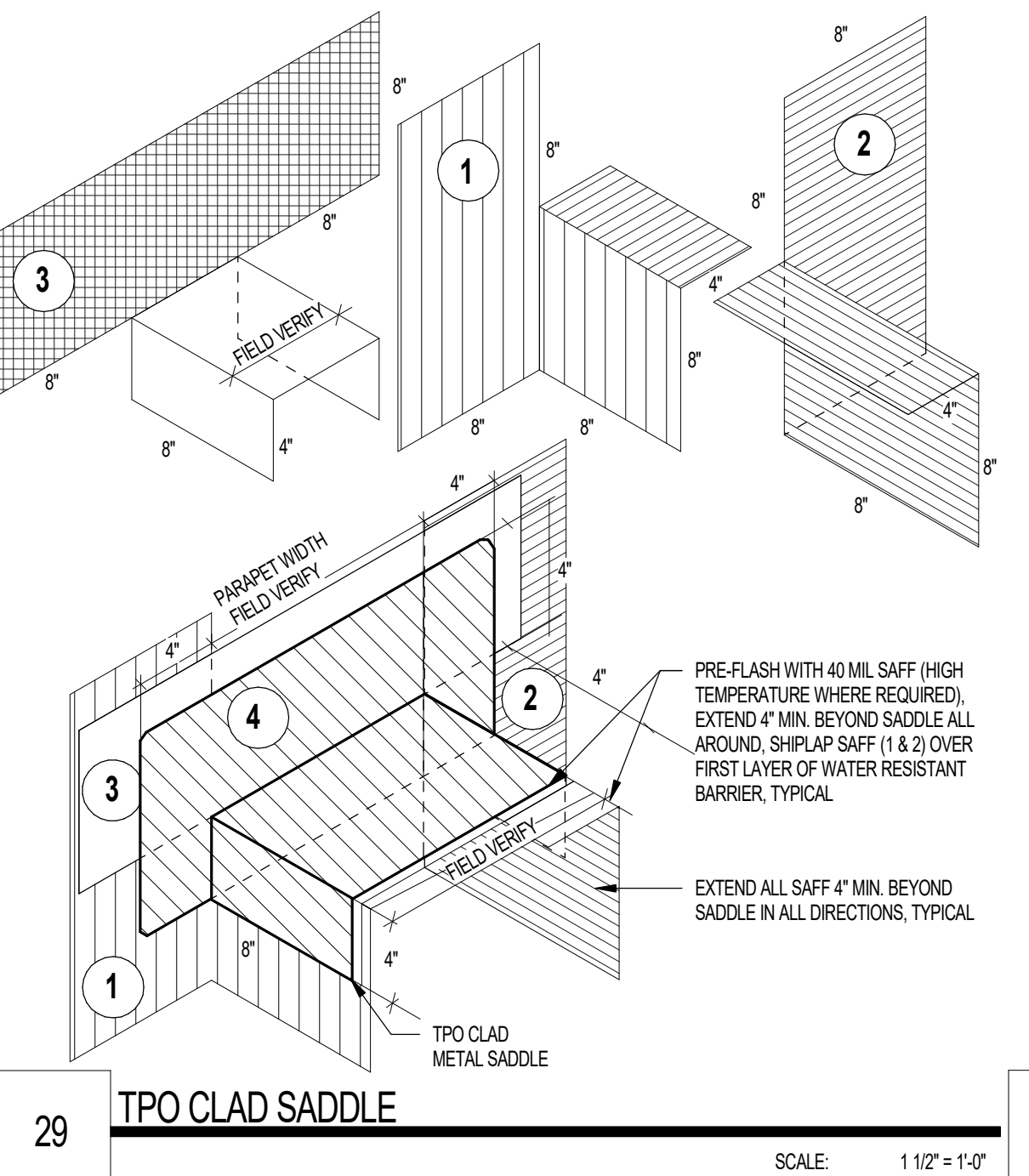
45 FLASHING AT INTERSECTION OF LOW ROOF & STUCCO WALL SCALE: 3" = 1'-0"



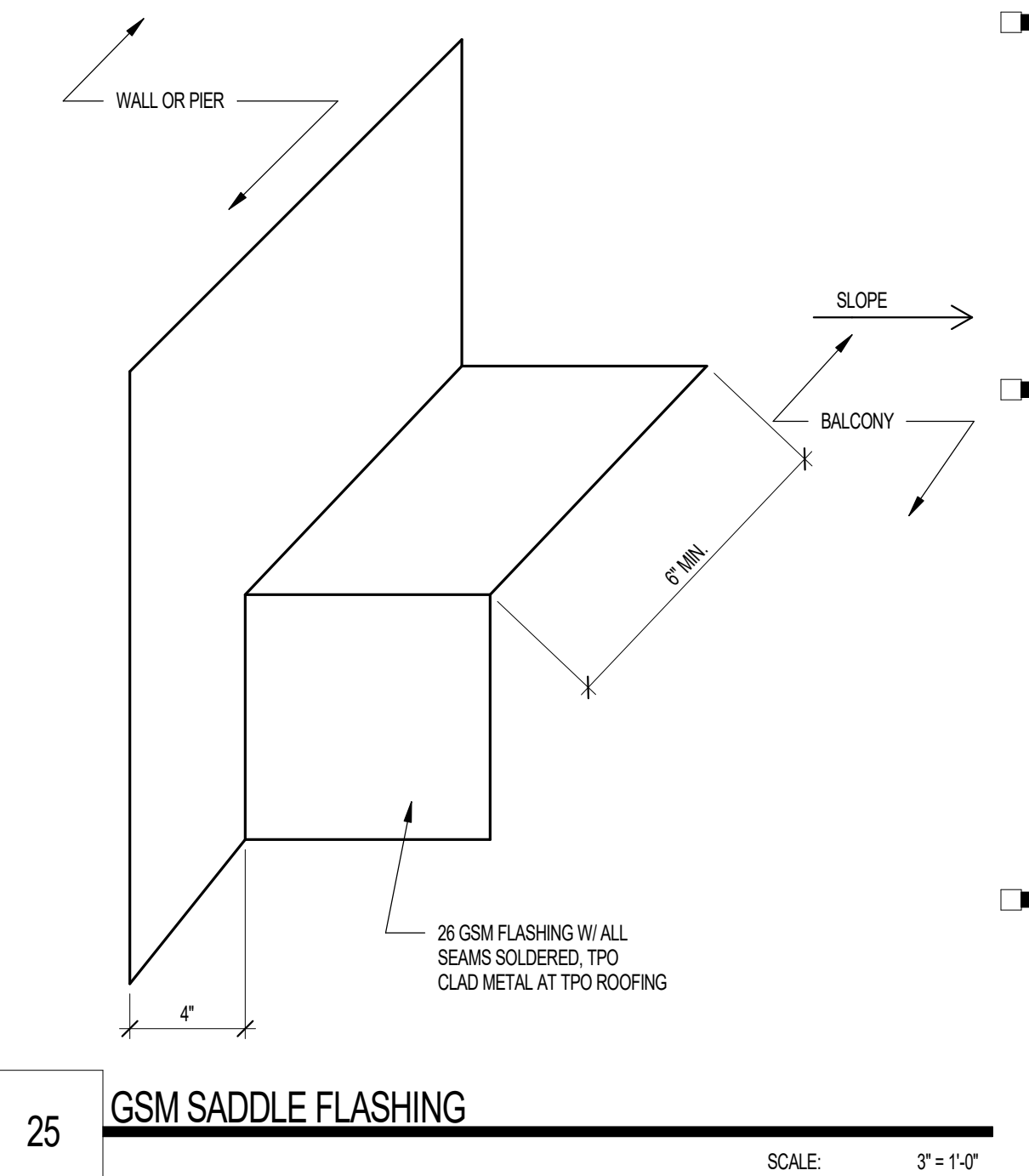
37 OVERFLOW IN BALCONY SOFFIT SCALE: 1 1/2" = 1'-0"



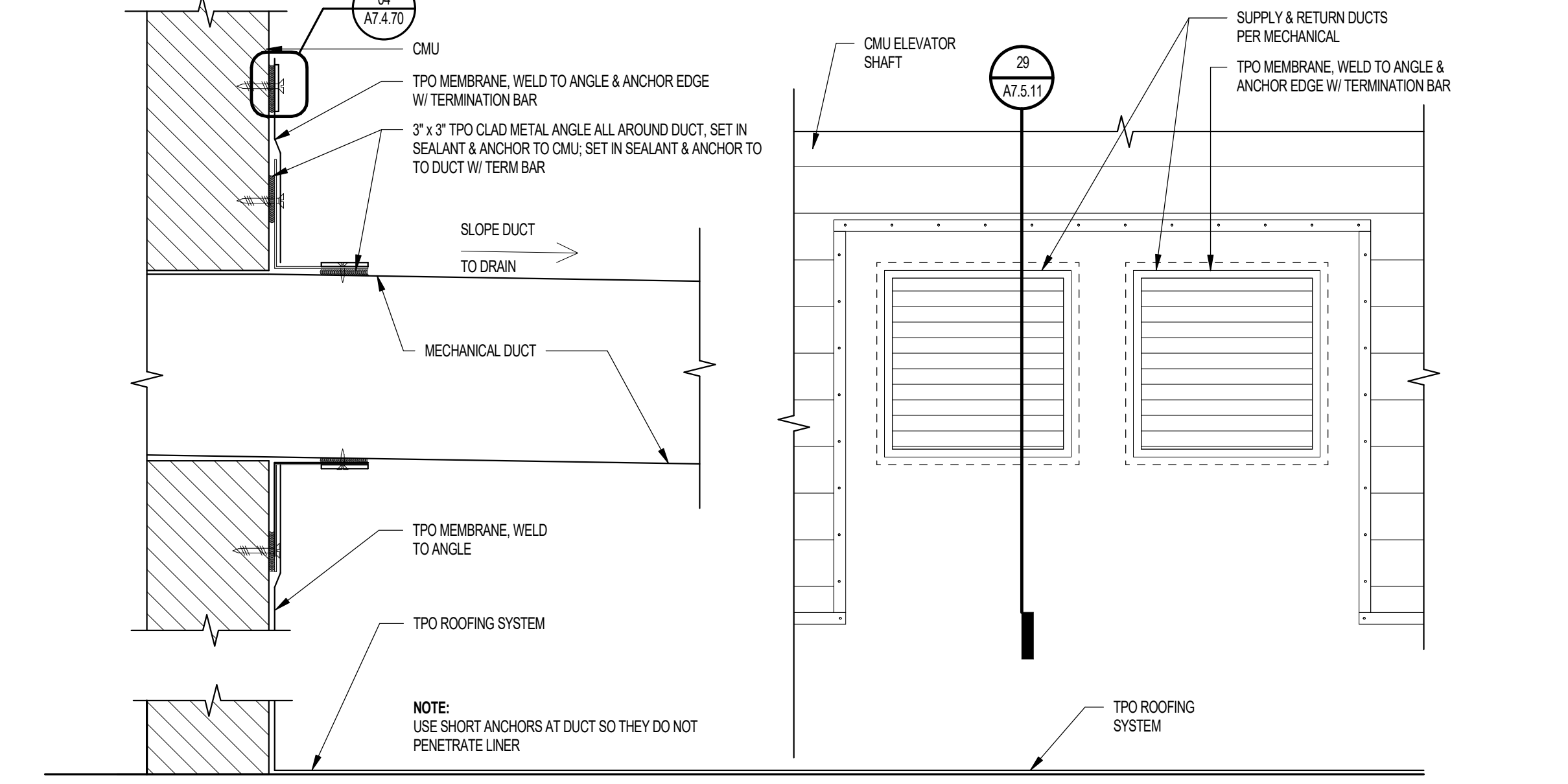
33 BALCONY SOFFIT AT TOP LEVEL - ROOF/CILING SCALE: 3" = 1'-0"



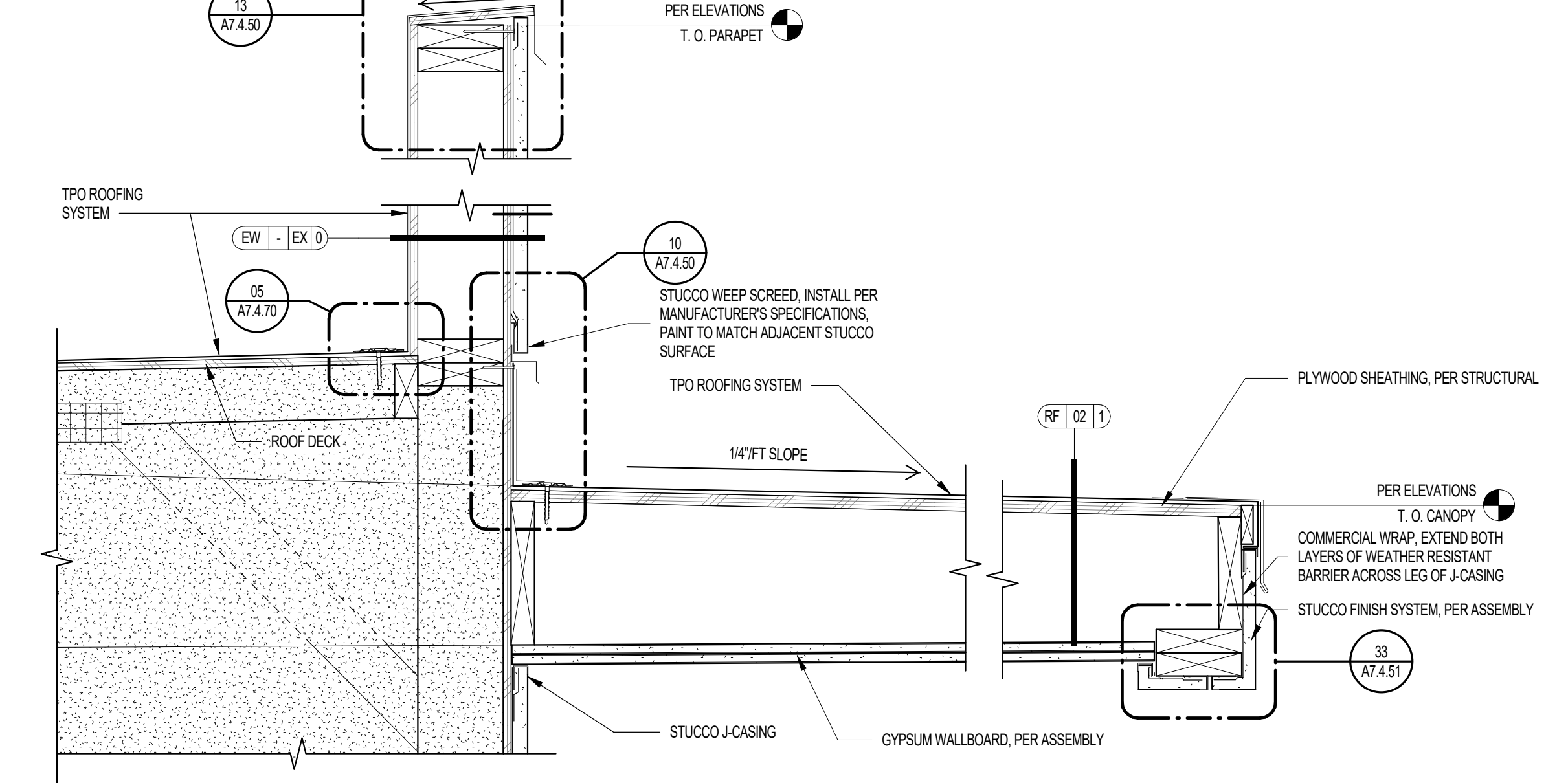
29 TPO CLAD SADDLE SCALE: 1 1/2" = 1'-0"



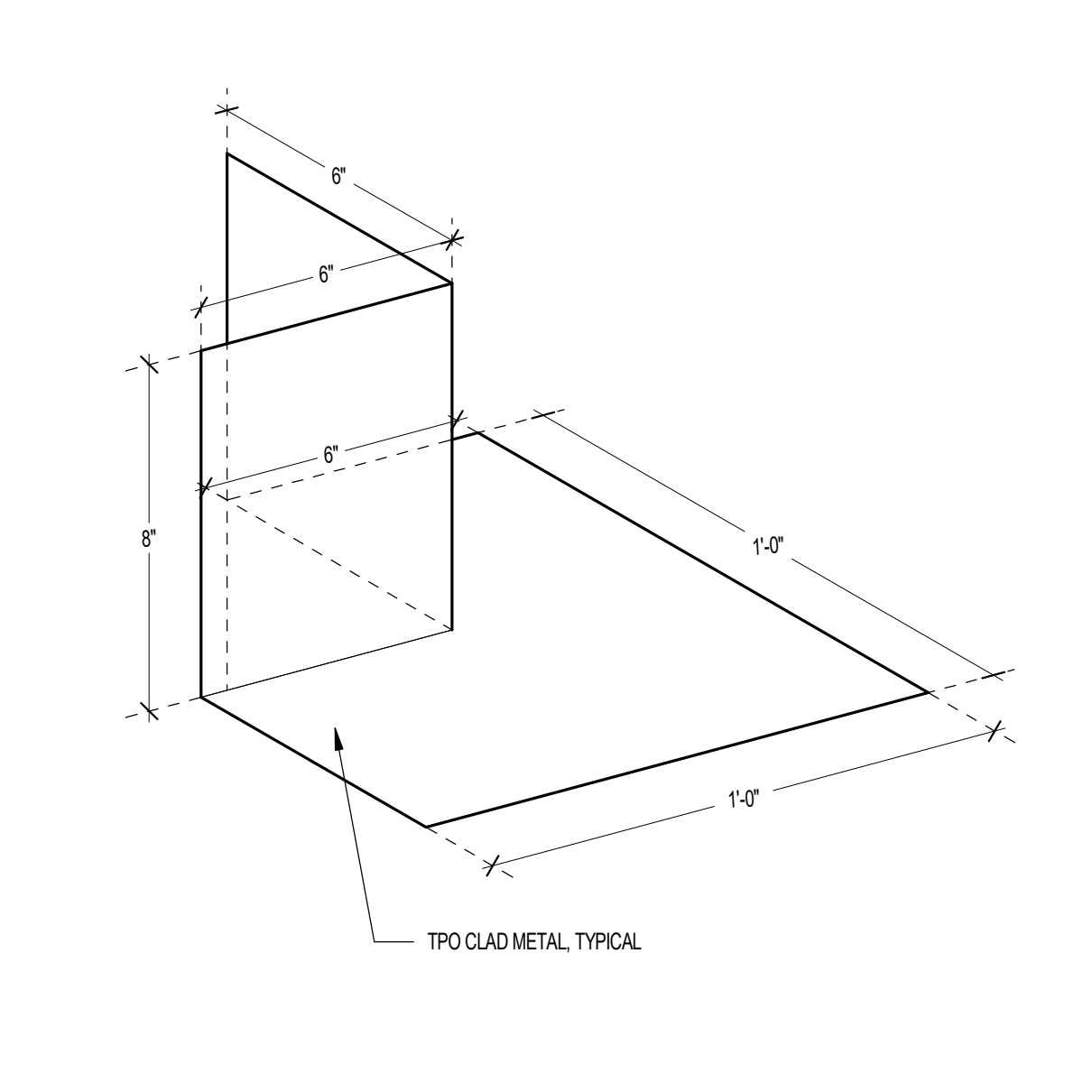
25 GSM SADDLE FLASHING SCALE: 3" = 1'-0"



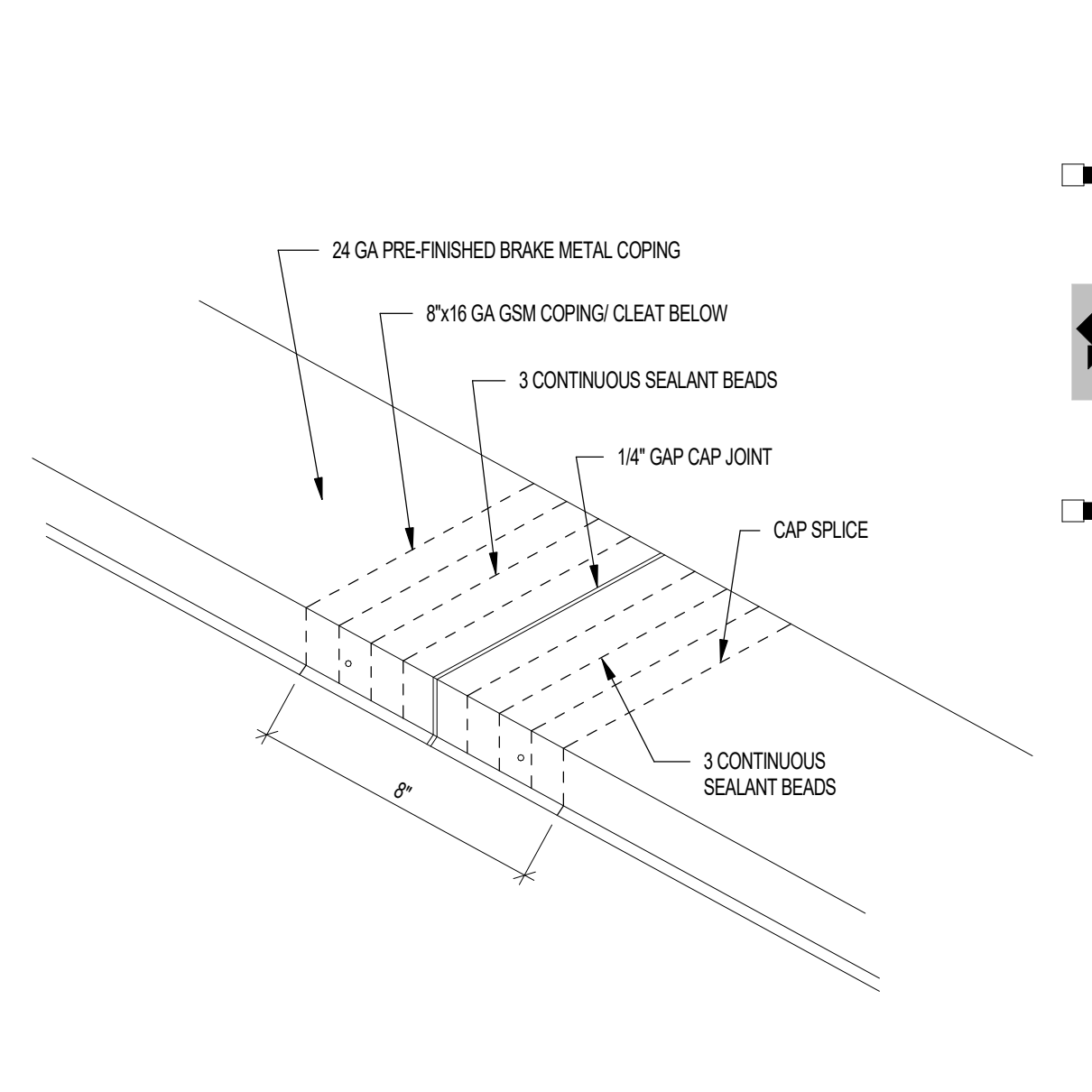
46 MECHANICAL DUCT AT CMU WALL SCALE: 3" = 1'-0"



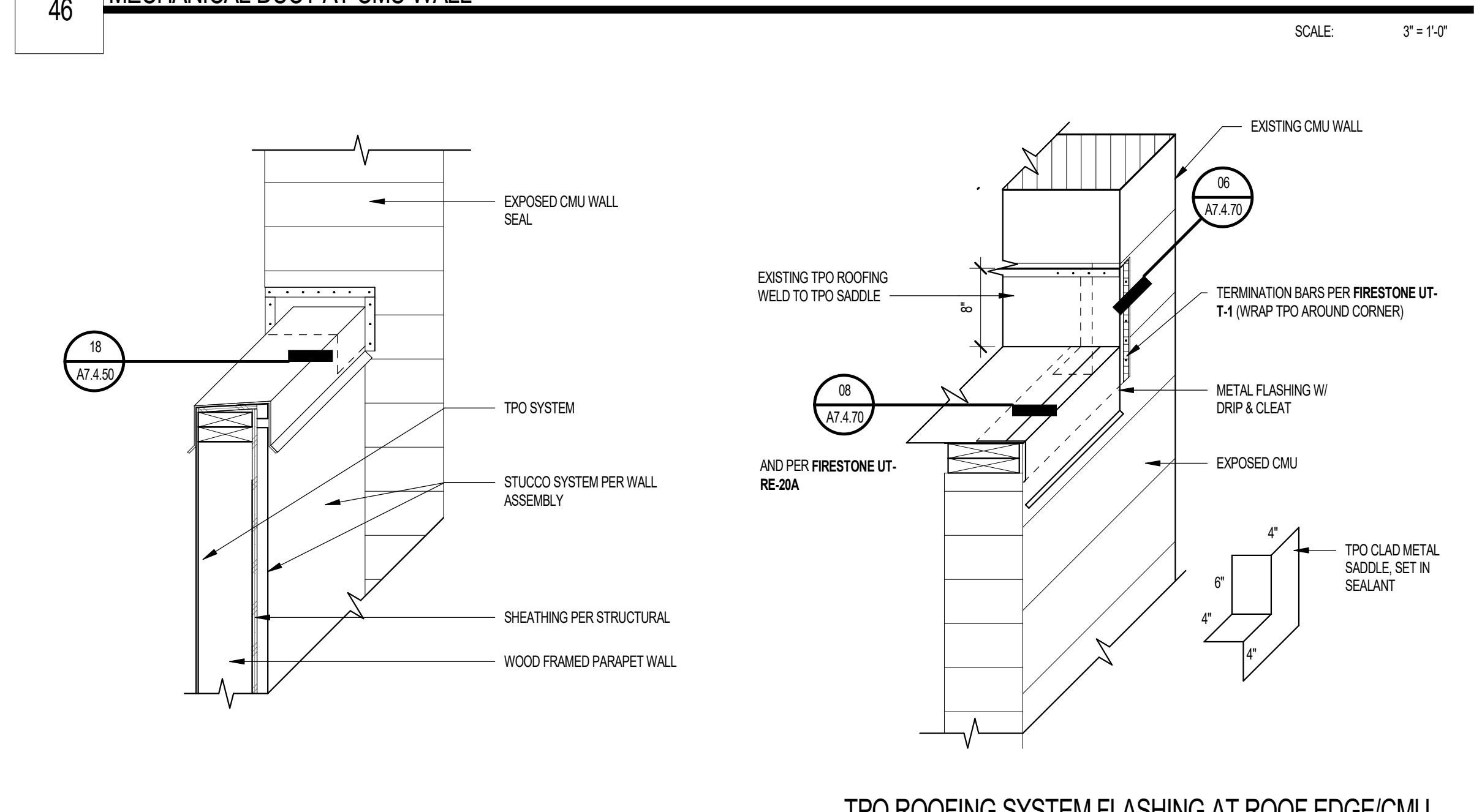
38 OUTRIGGERS OVER BALCONIES SCALE: 1 1/2" = 1'-0"



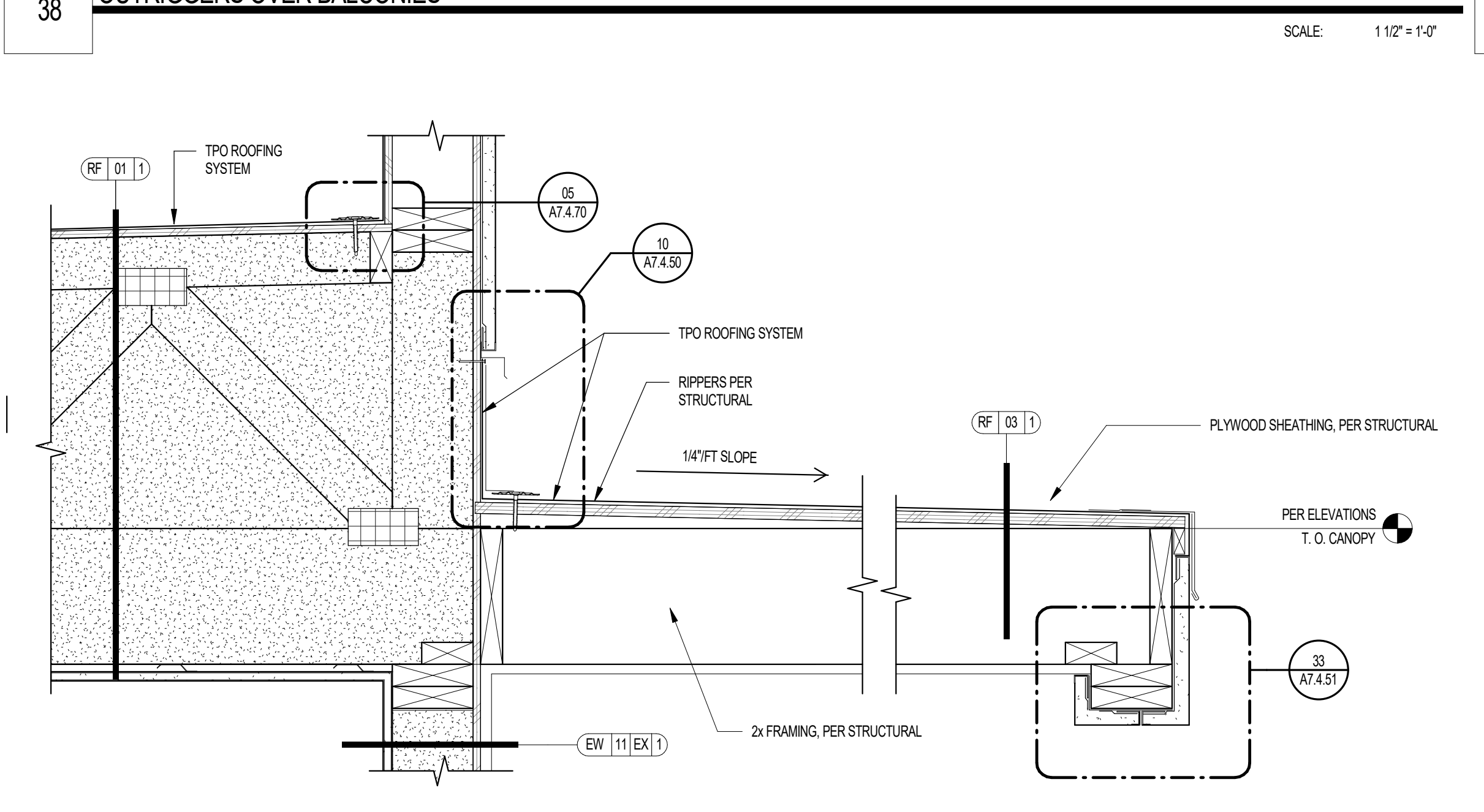
30 ROOF CORNER FLASHING SCALE: 3" = 1'-0"



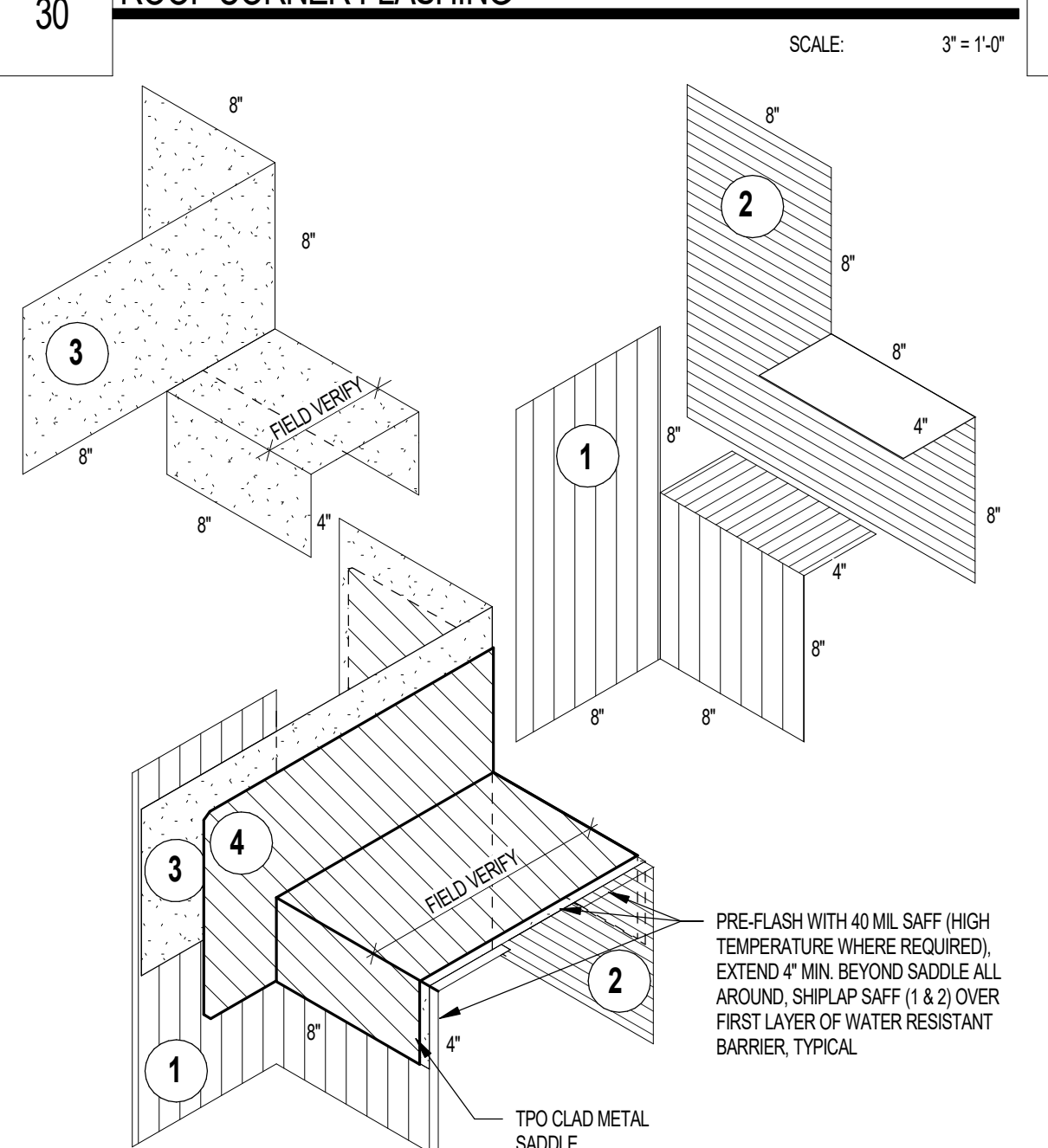
26 PARAPET WALL COPING JOINT SCALE: 1" = 1'-0"



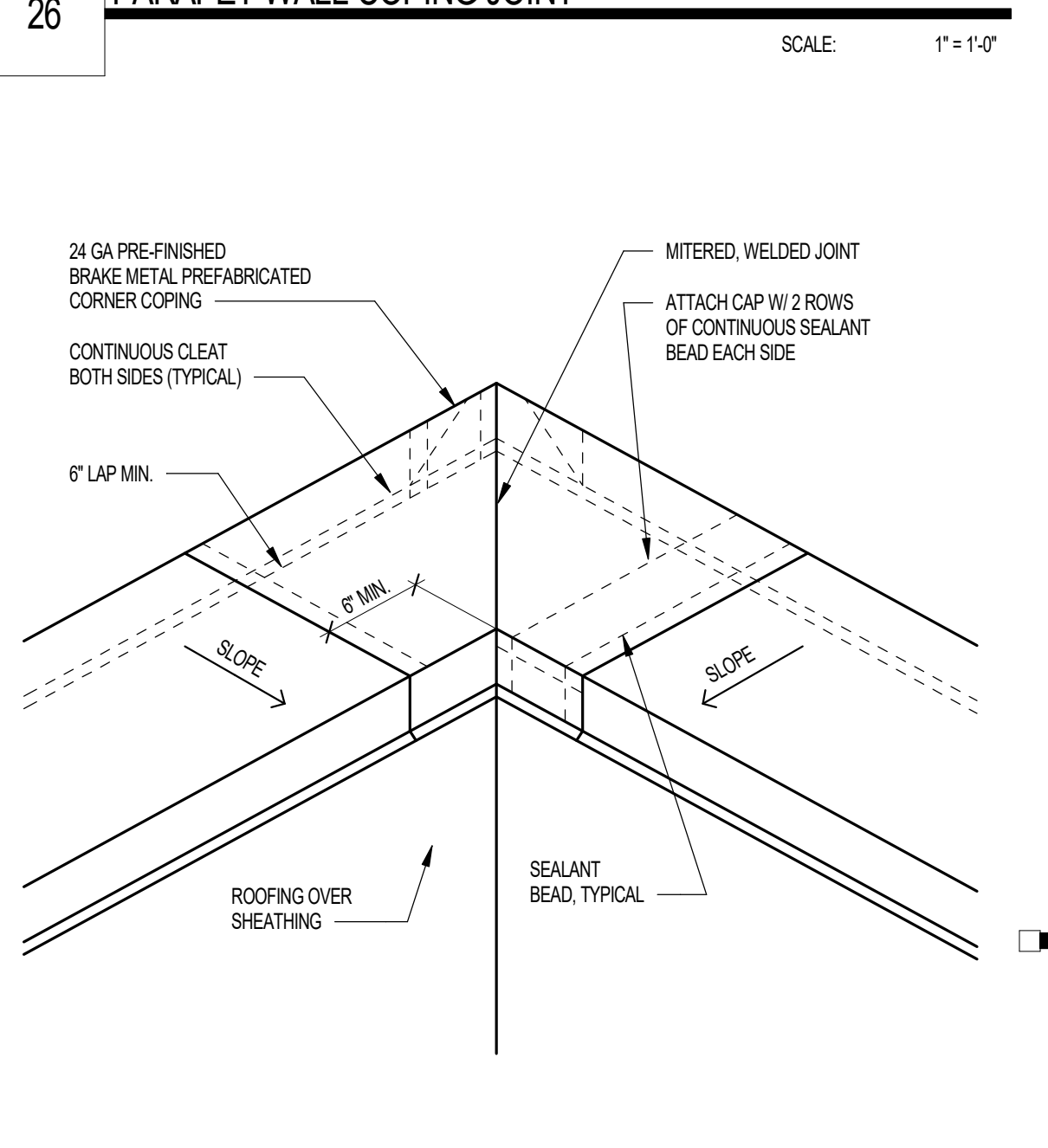
47 TPO ROOFING SYSTEM FLASHING AT EXPOSED CMU WALL SCALE: 1" = 1'-0"



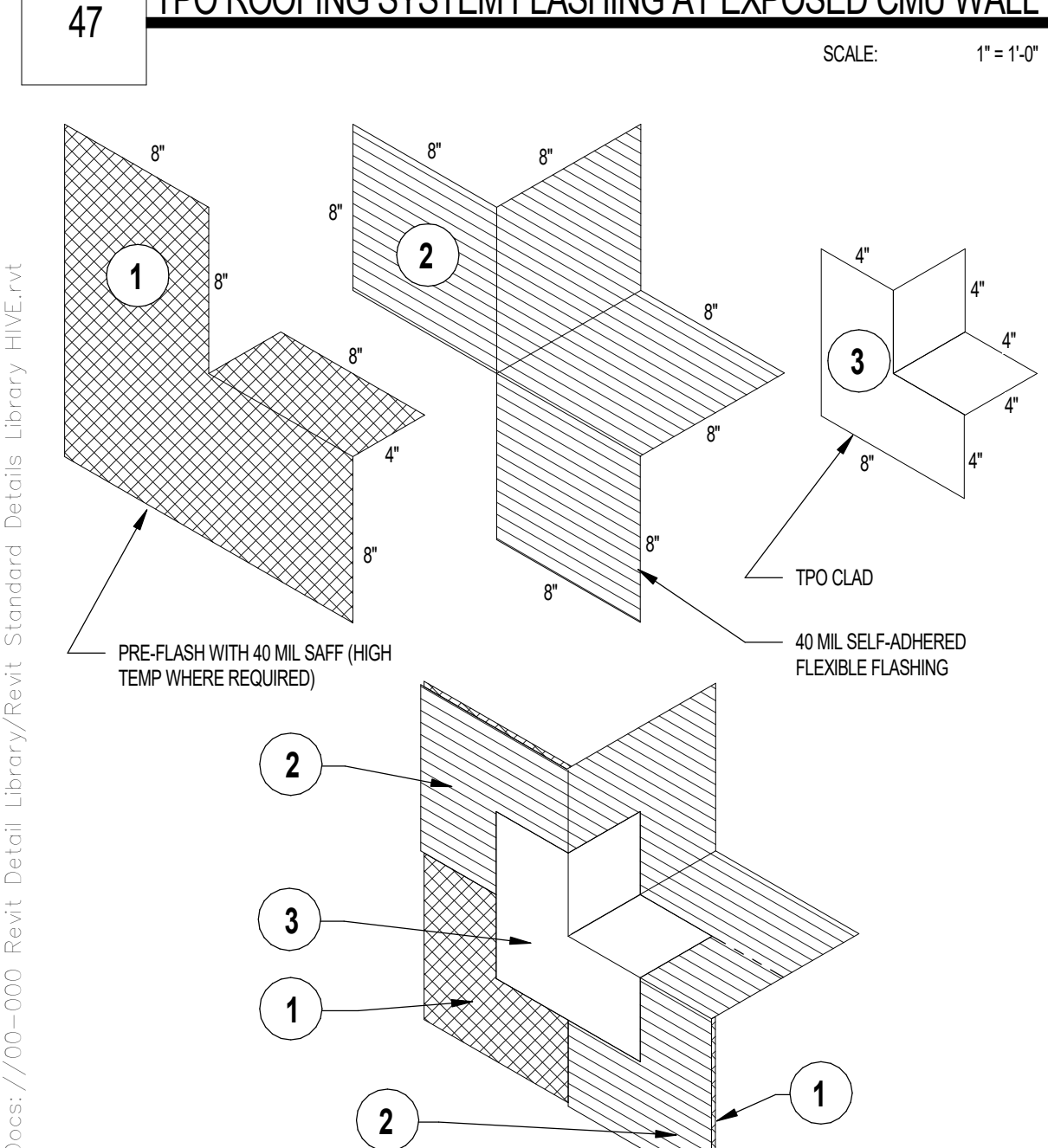
39 ACCENT EYEBROW SCALE: 1 1/2" = 1'-0"



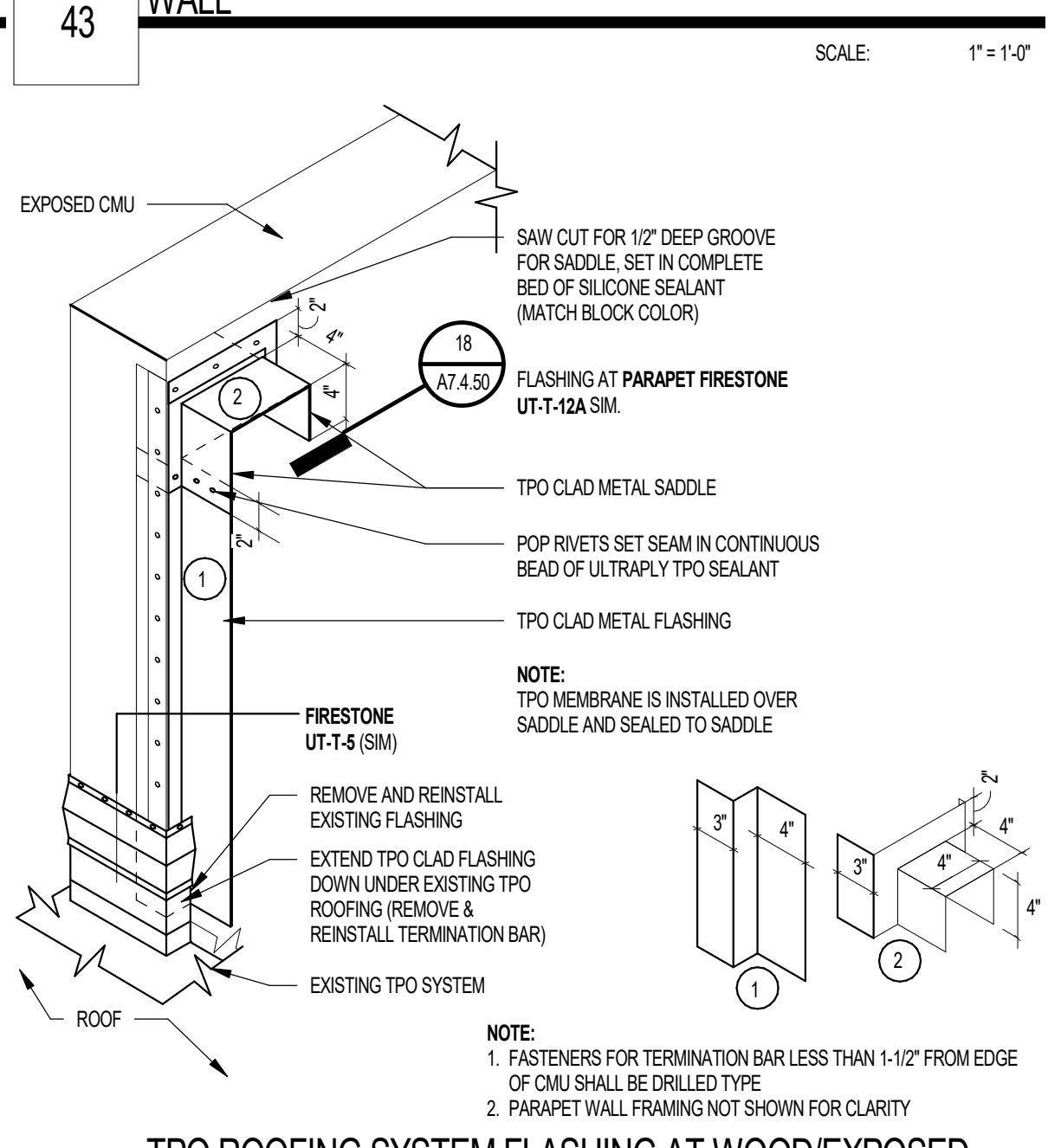
31 TPO CLAD METAL SADDLE @ PARAPET SCALE: 1 1/2" = 1'-0"



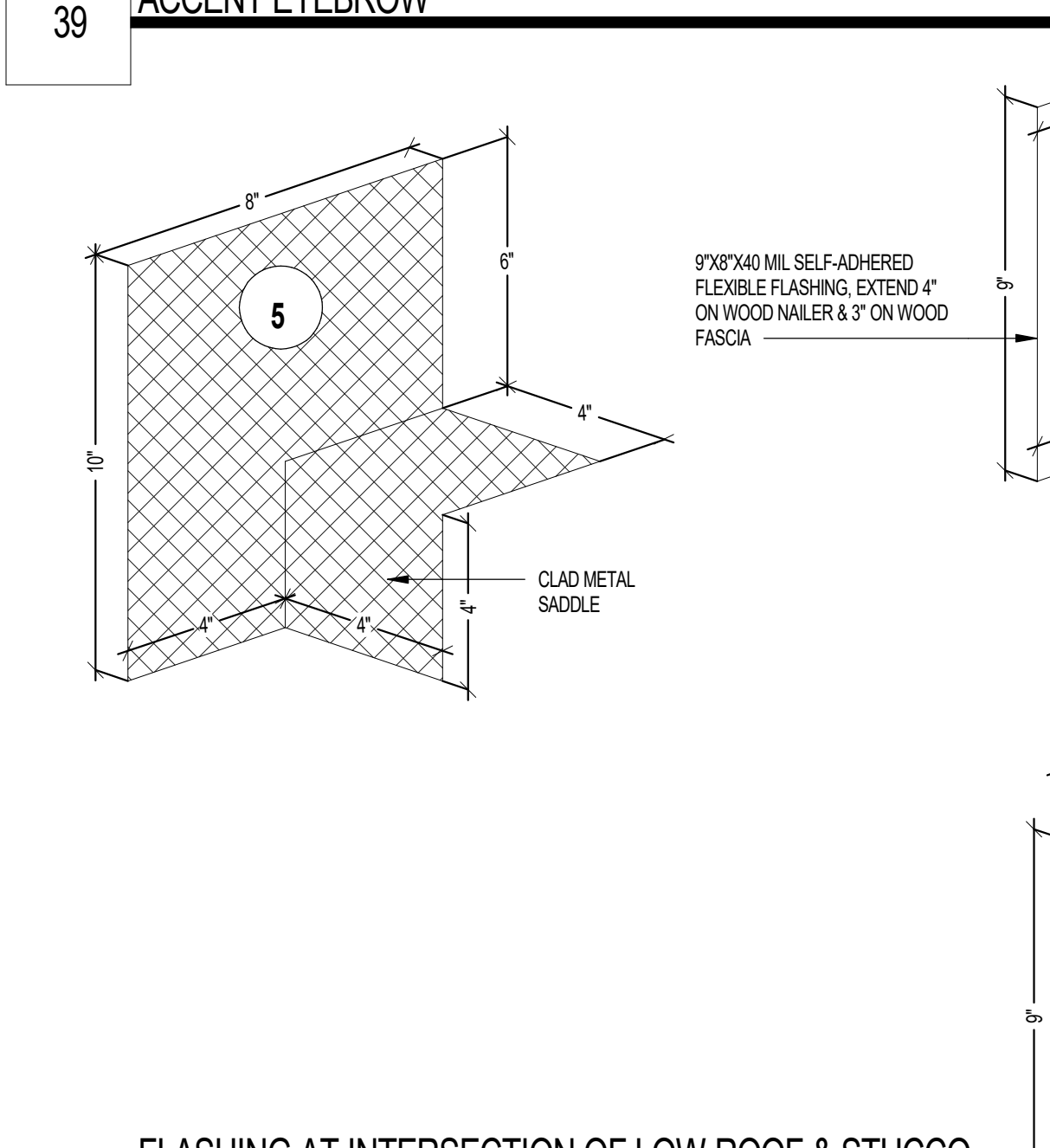
27 PARAPET WALL CORNER COPING SCALE: 1" = 1'-0"



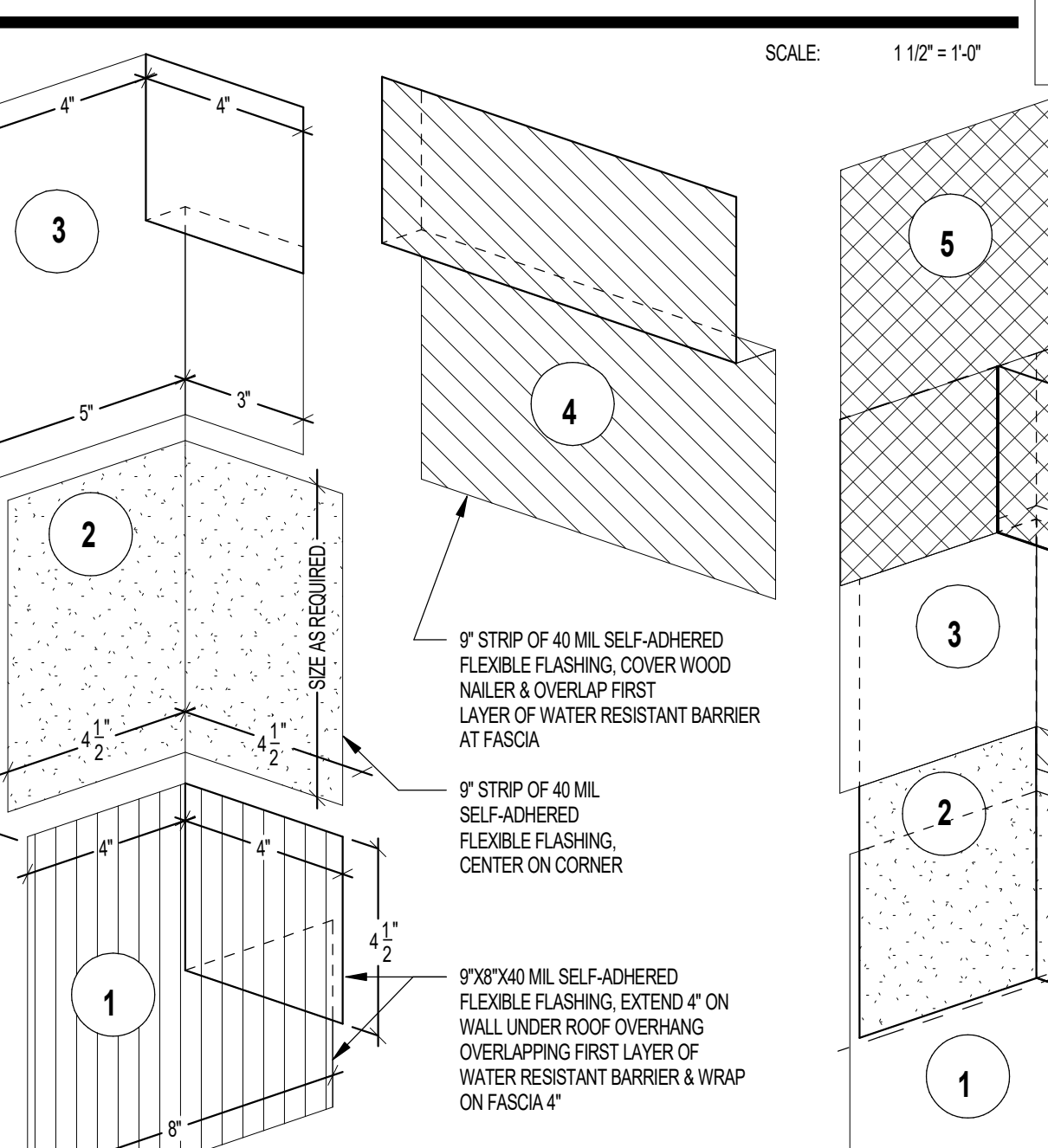
48 TPO SADDLE FLASHING SCALE: 1 1/2" = 1'-0"



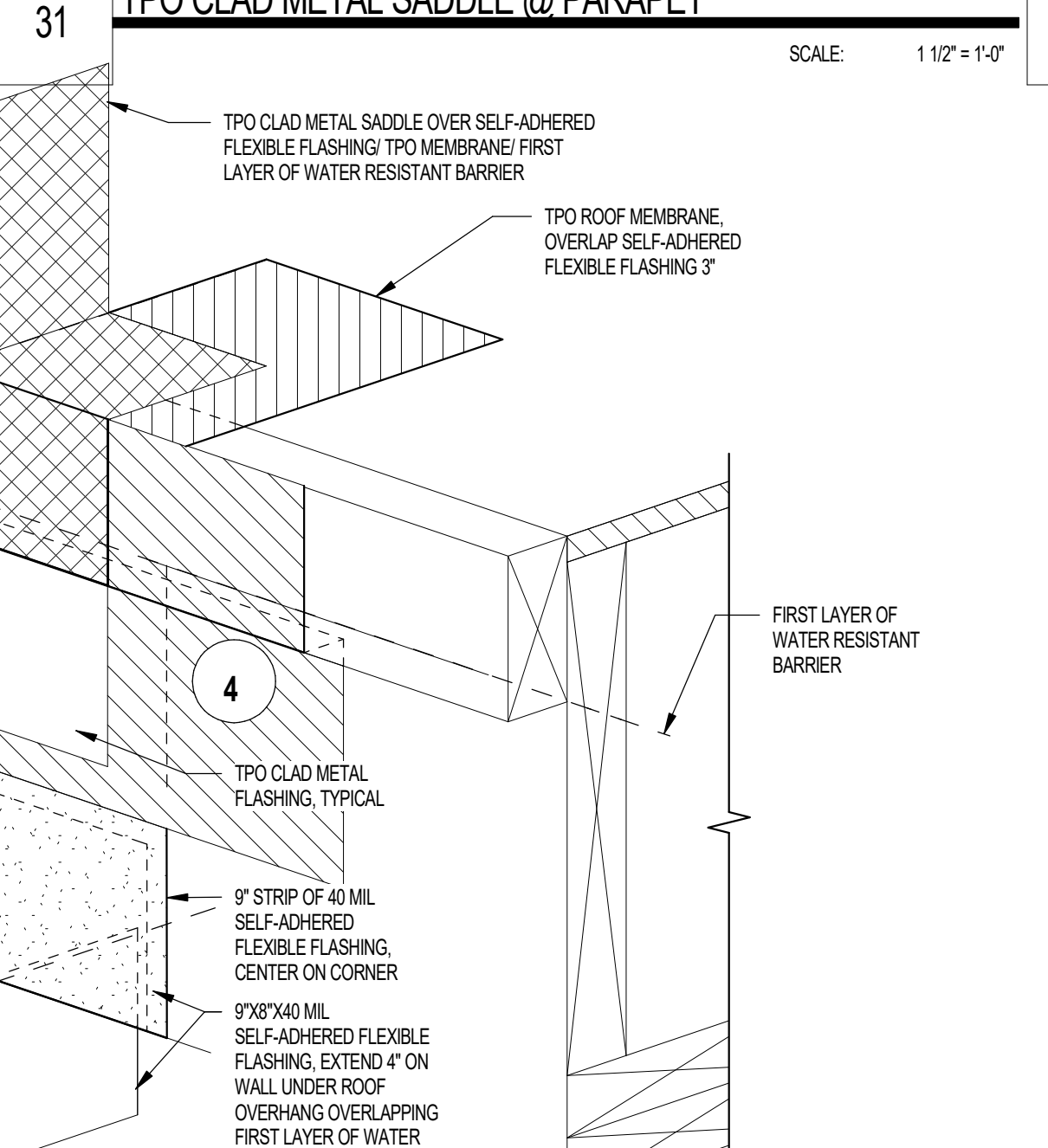
44 TPO ROOFING SYSTEM FLASHING AT WOOD/EXPOSED CMU PARAPET SCALE: 1" = 1'-0"



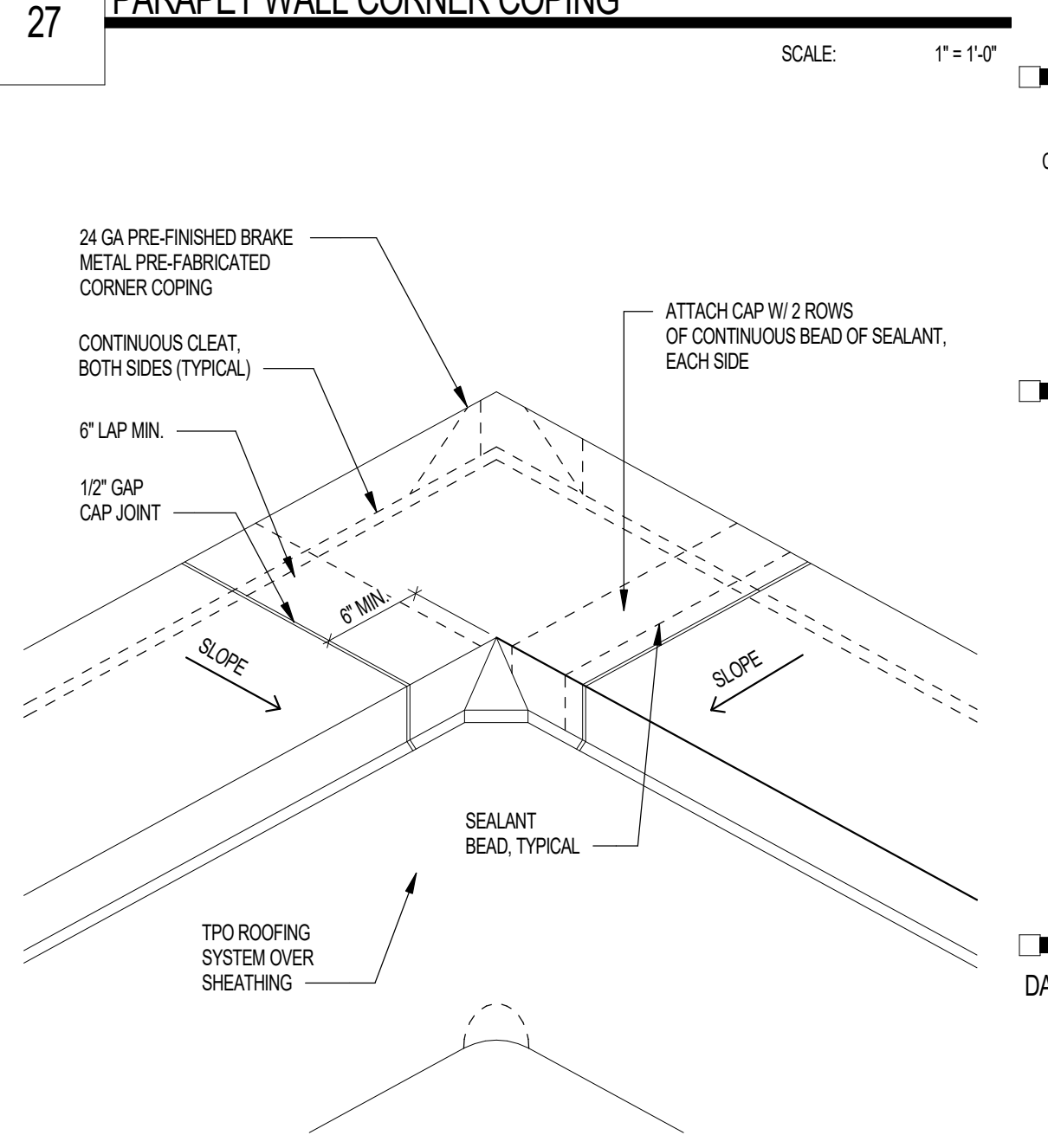
40 FLASHING AT INTERSECTION OF LOW ROOF & STUCCO WALL NOTE: STUCCO SYSTEM NOT SHOWN FOR CLARITY SCALE: 3" = 1'-0"



40 FLASHING AT INTERSECTION OF LOW ROOF & STUCCO WALL NOTE: STUCCO SYSTEM NOT SHOWN FOR CLARITY SCALE: 3" = 1'-0"



31 TPO CLAD METAL SADDLE @ PARAPET SCALE: 1 1/2" = 1'-0"



27 PARAPET WALL CORNER COPING SCALE: 1" = 1'-0"

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Notice of alternate billing (or payment) cycle
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CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or design agent shall provide the written declaration on request.

Contractor must verify all dimensions of project before proceeding with this work.

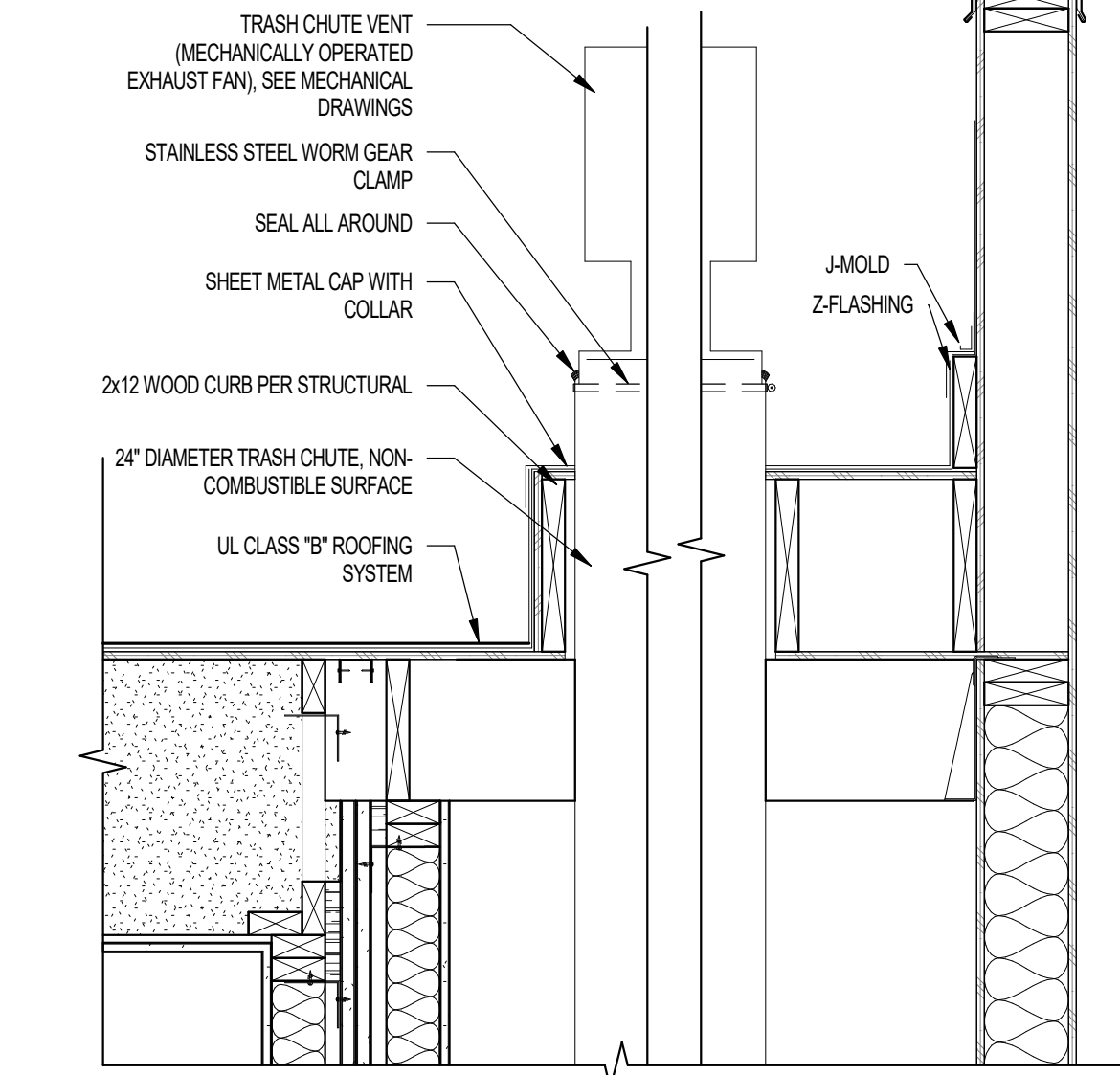
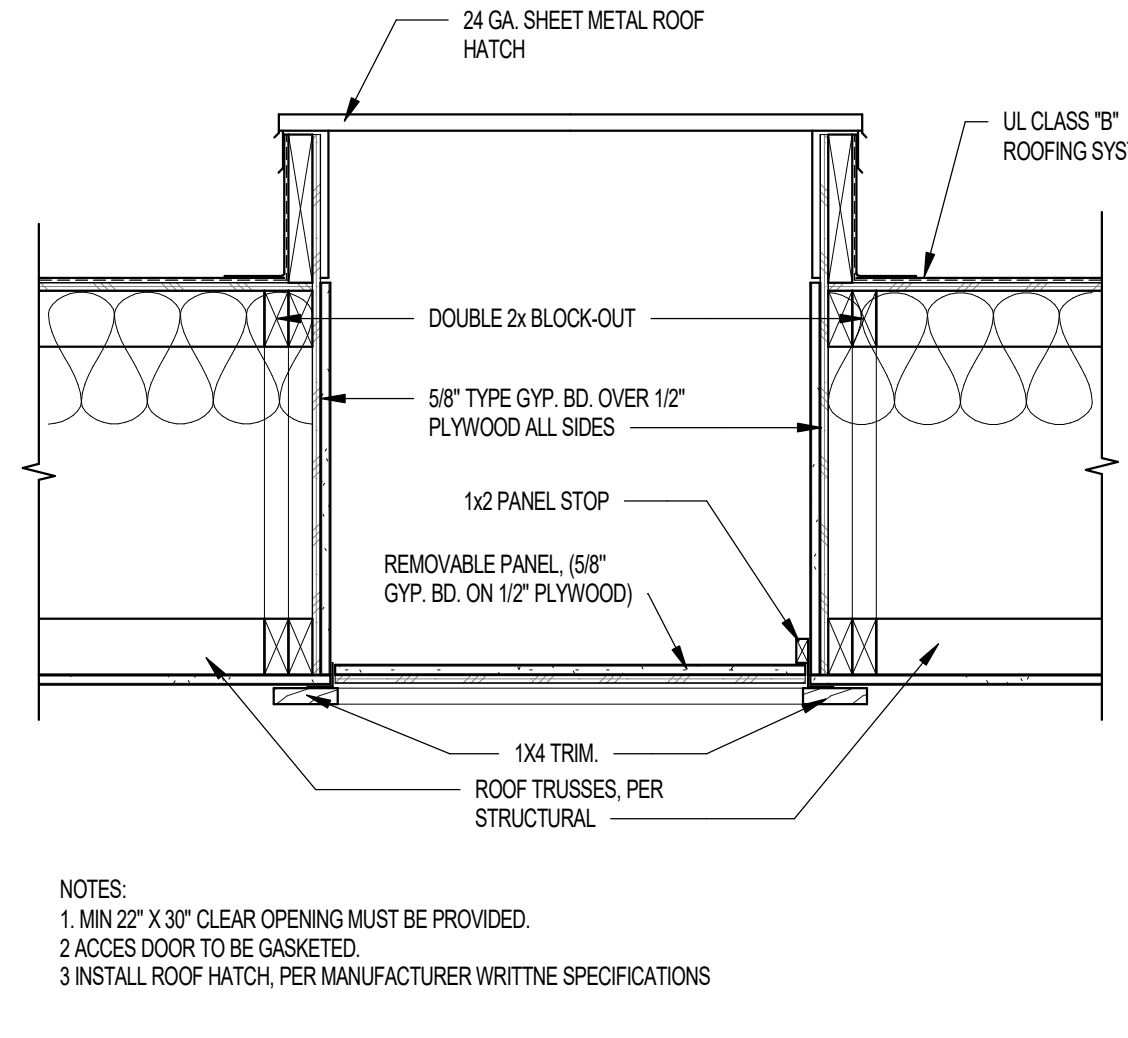
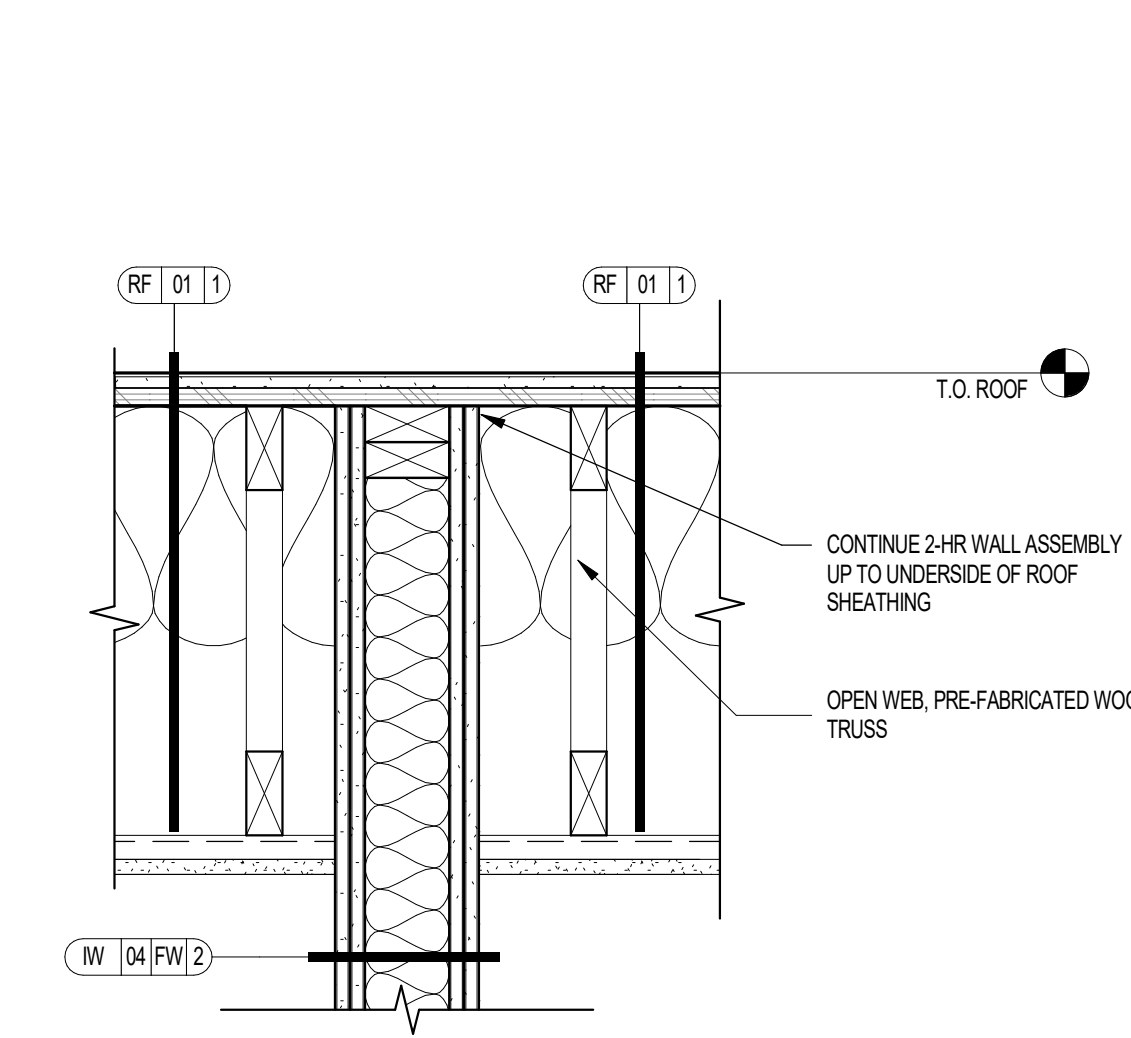
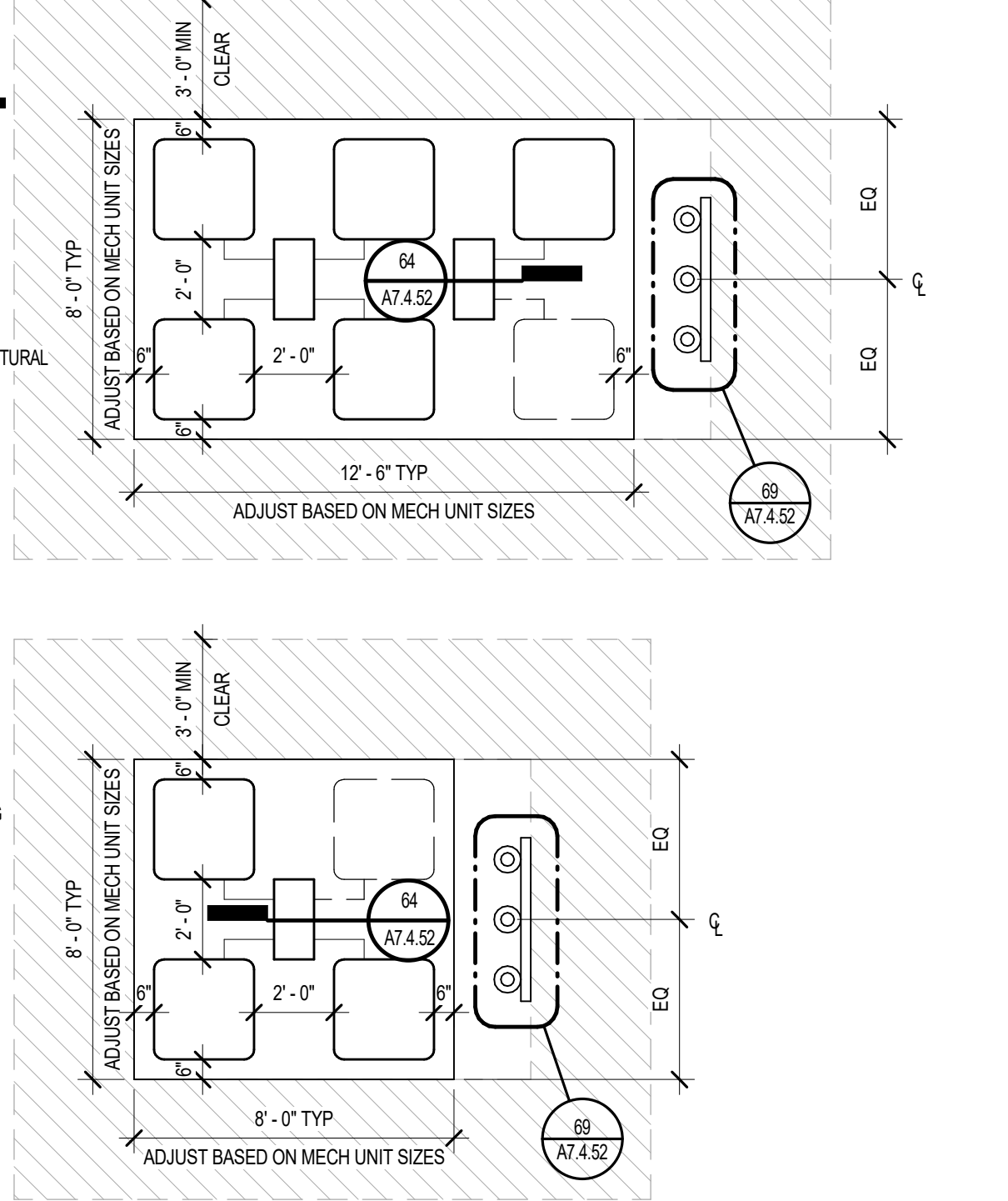
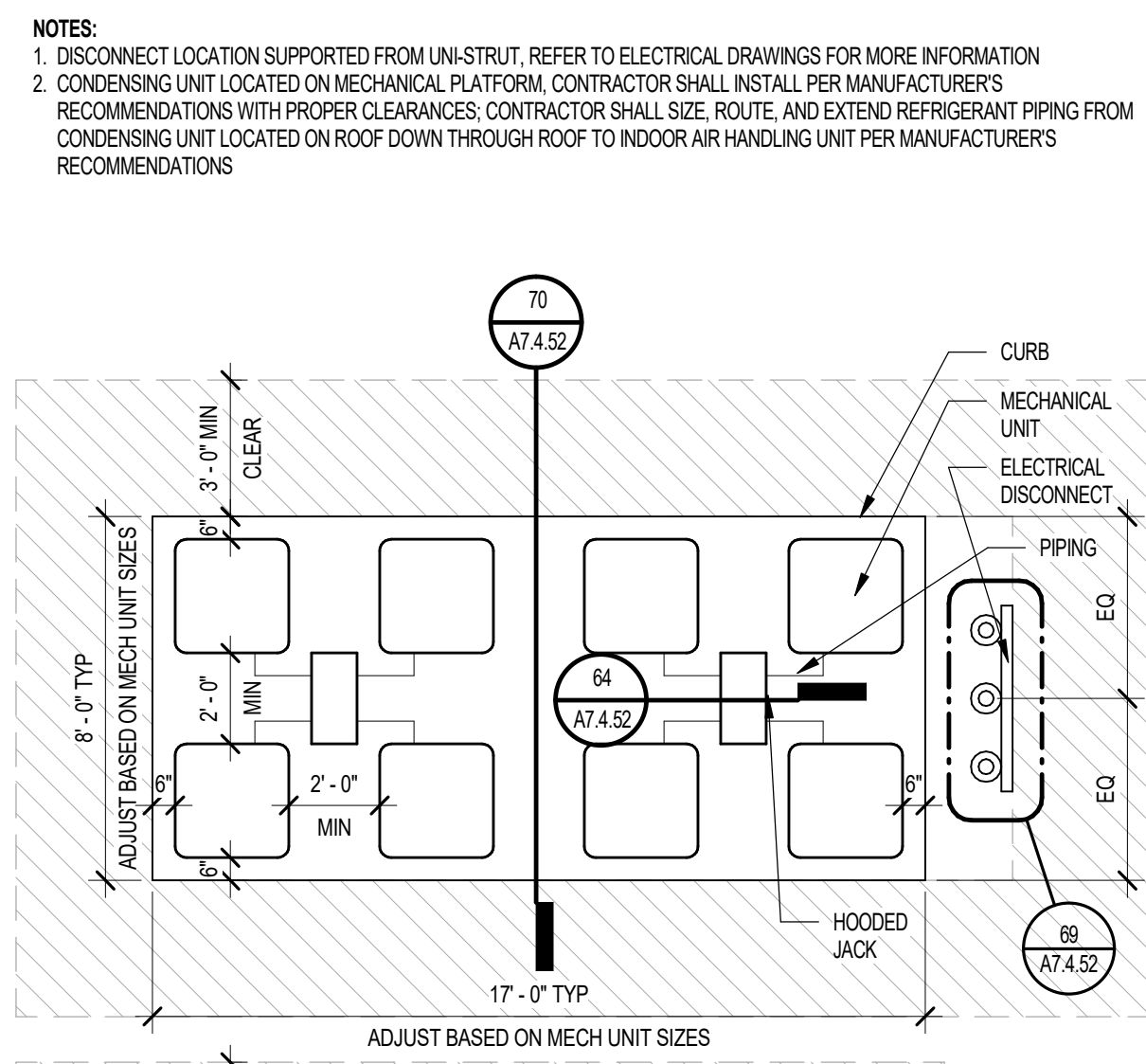
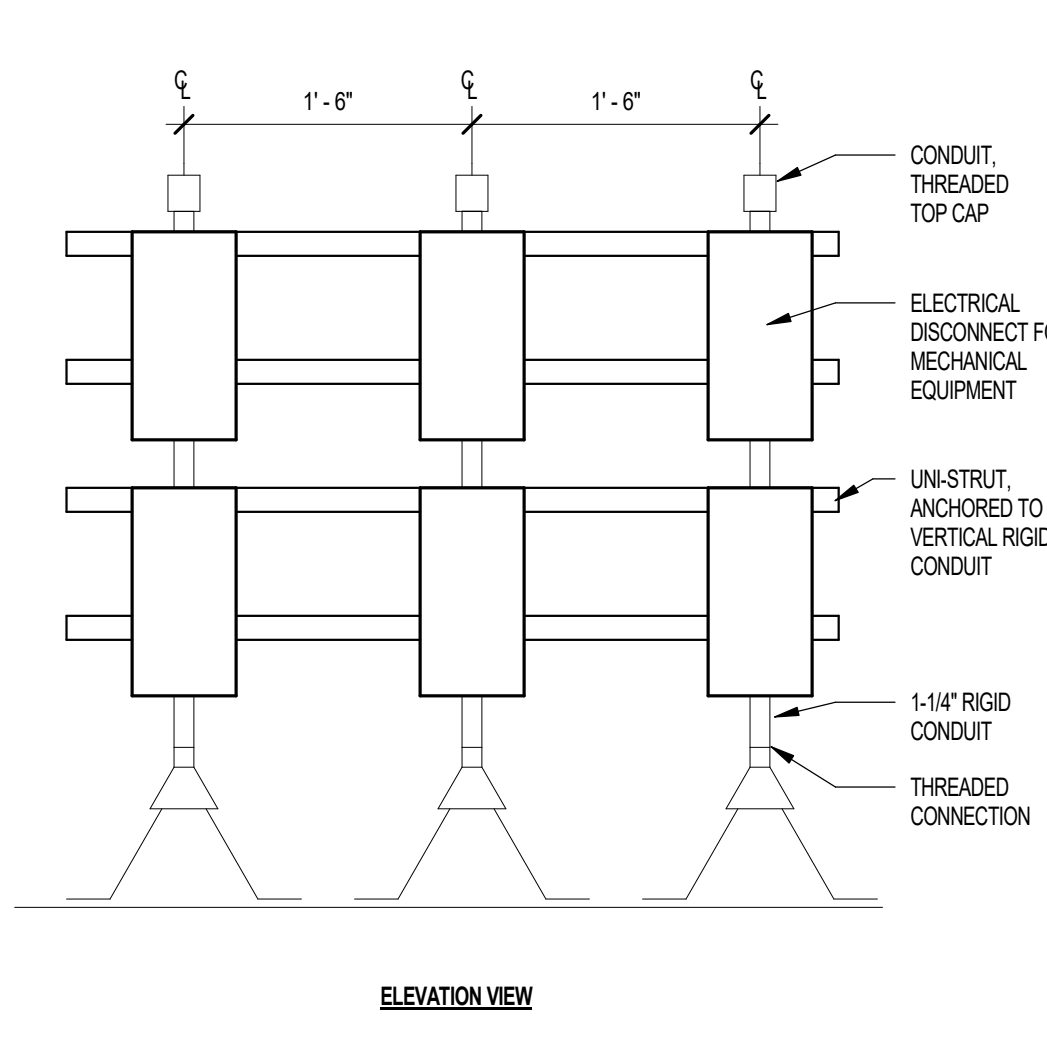
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is closed. They are made available to the contractor for use in connection with the project but shall be used only for the project for which they were prepared and shall not be used for any other project. In addition, the project is for completion of the project by the contractor and shall be the responsibility of the contractor. © ORB Architecture, LLC 2021

REVISIONS/SUBMITTALS	DATE	DESCRIPTION

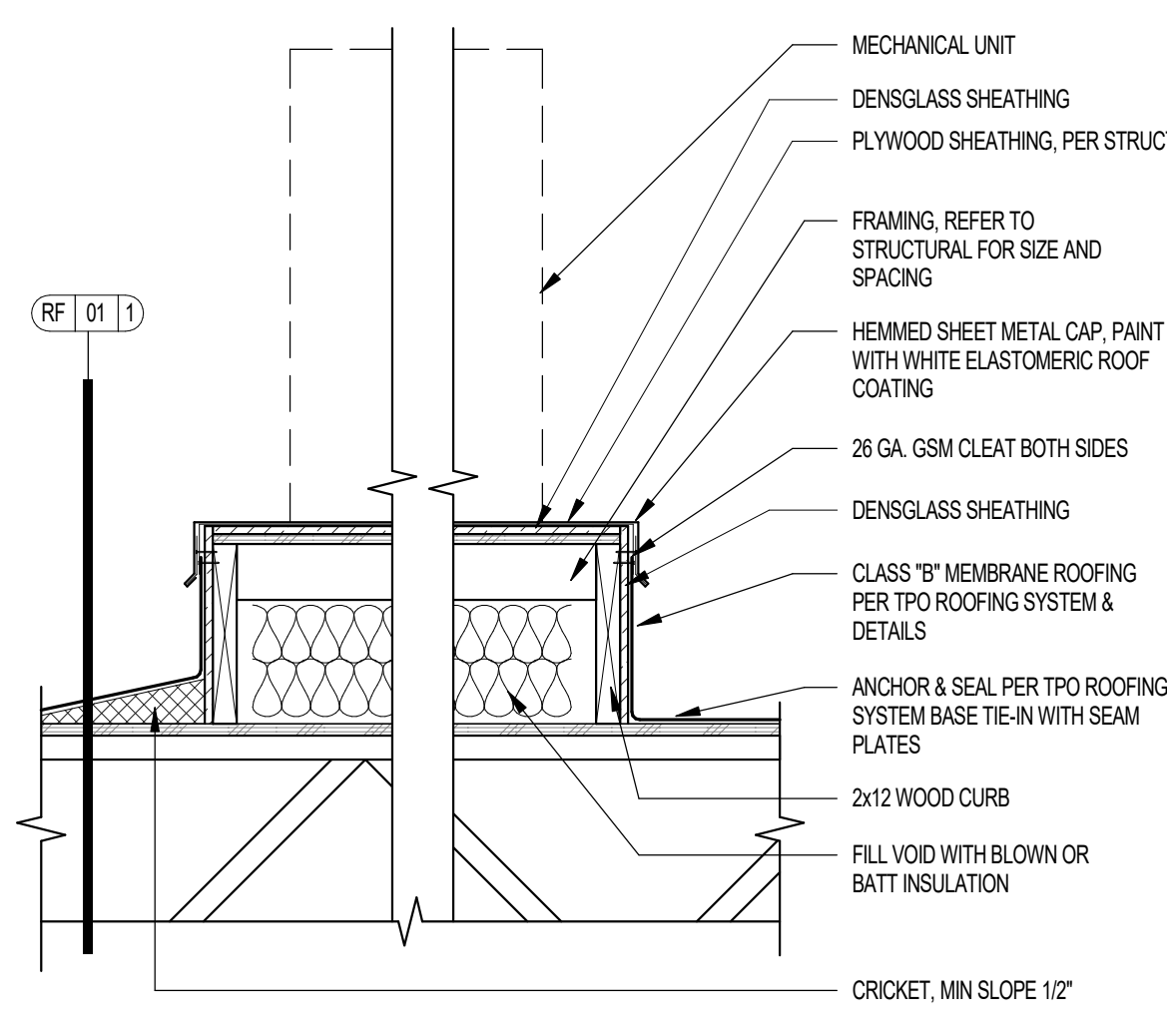
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.4.51
ROOF - CEILING DETAILS

Autodesk Docs / 000-000 Revit Detail Library/Revit Standard Details Library/H4E.rvt

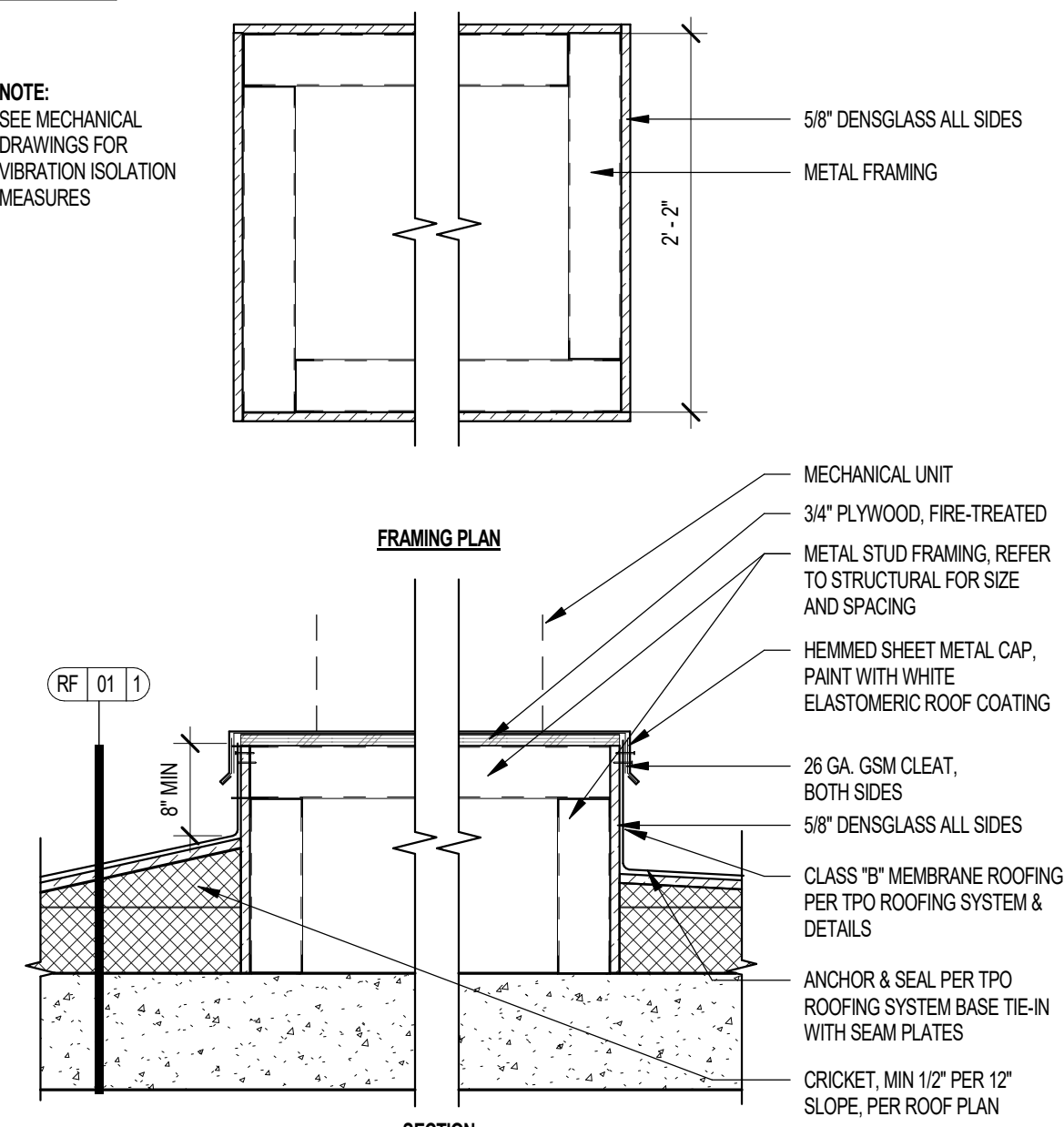


69 UNI-STRUT ELECTRICAL DISCONNECT SCALE: 1" = 1'-0"

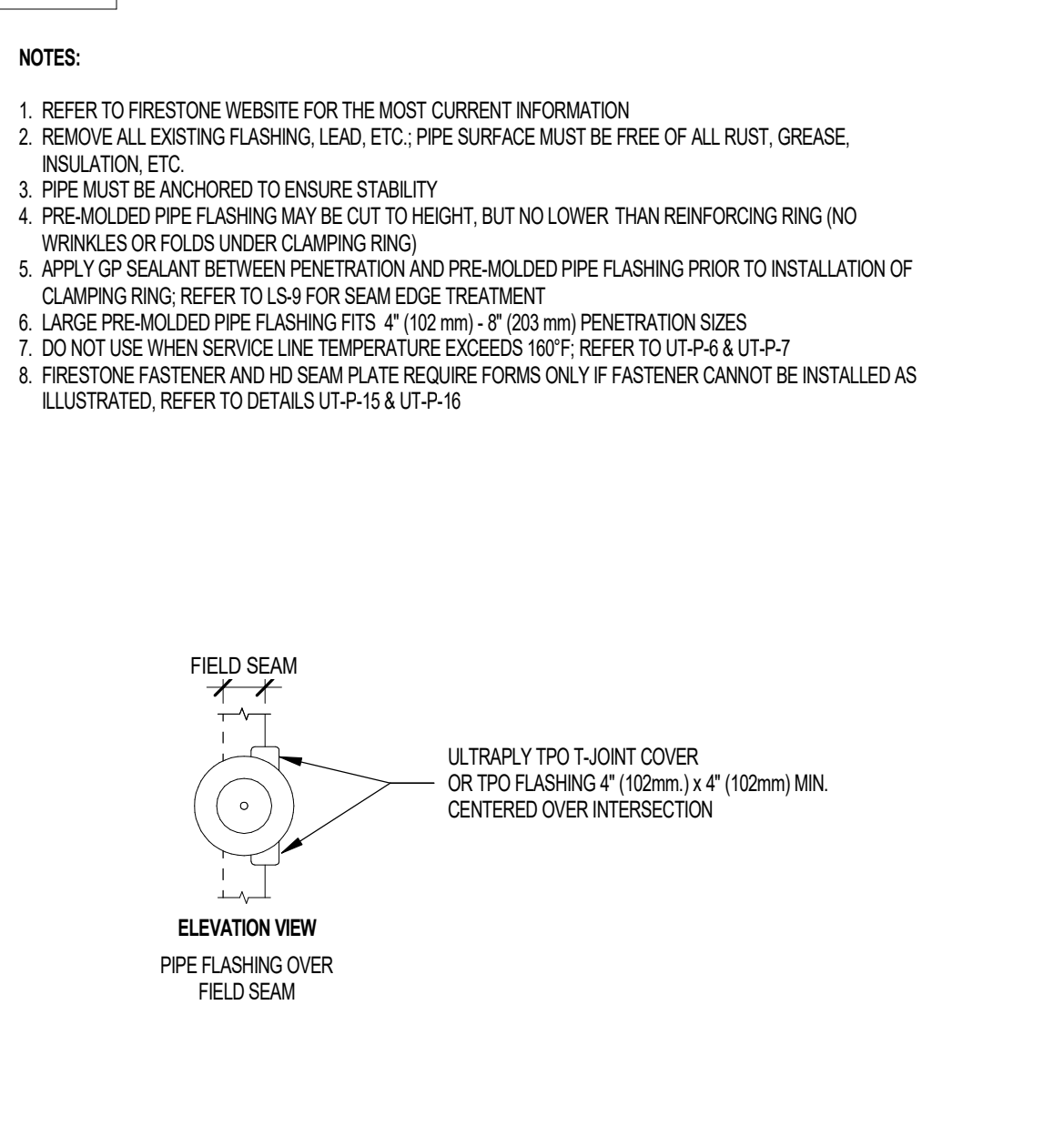


NOTE: SEE MECHANICAL DRAWINGS FOR VIBRATION ISOLATION MEASURES

70 MECHANICAL PLATFORM AT WOOD FRAMING SCALE: 1" = 1'-0"

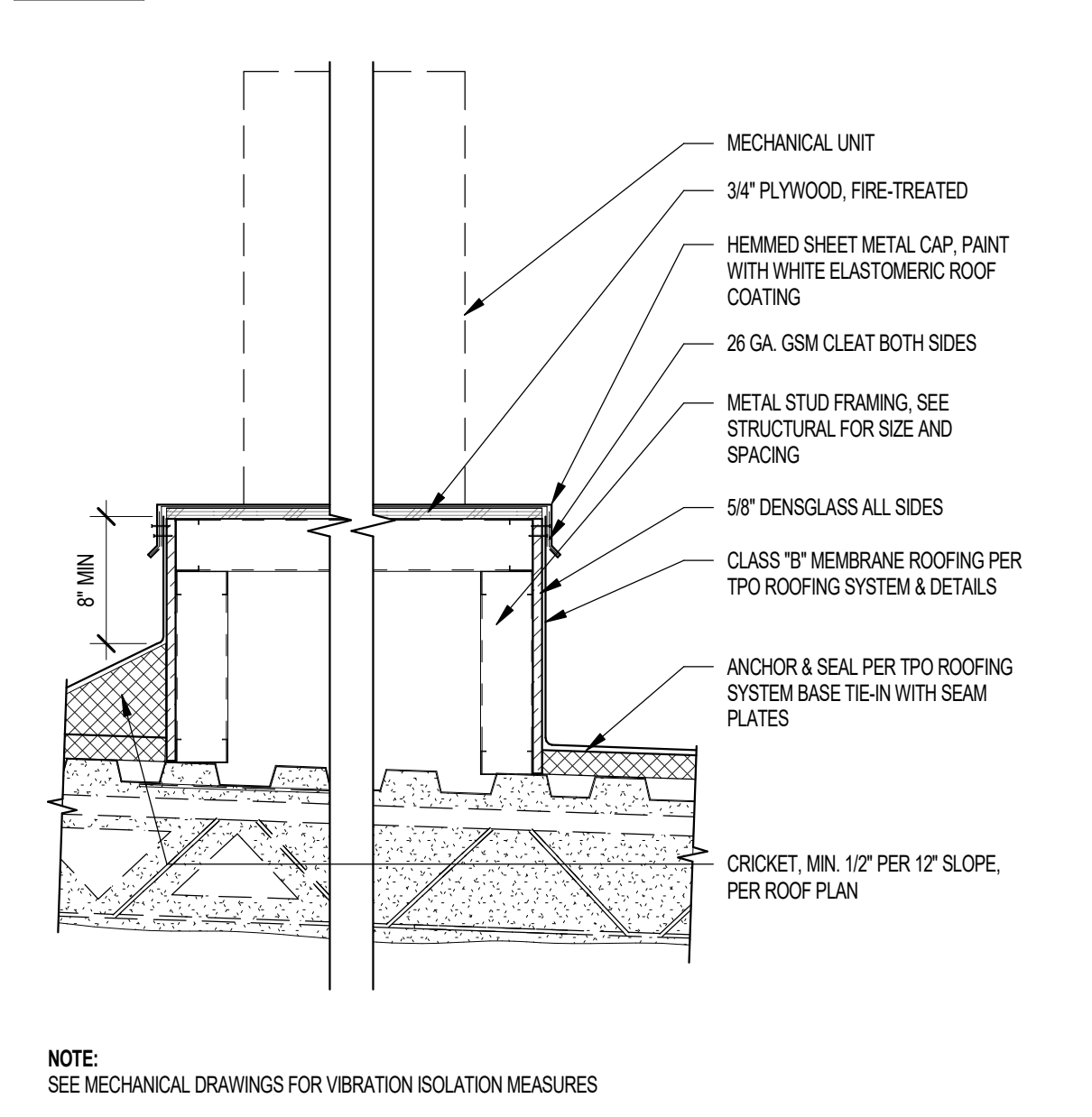


71 MECHANICAL PLATFORM AT PT SLAB SCALE: 1" = 1'-0"

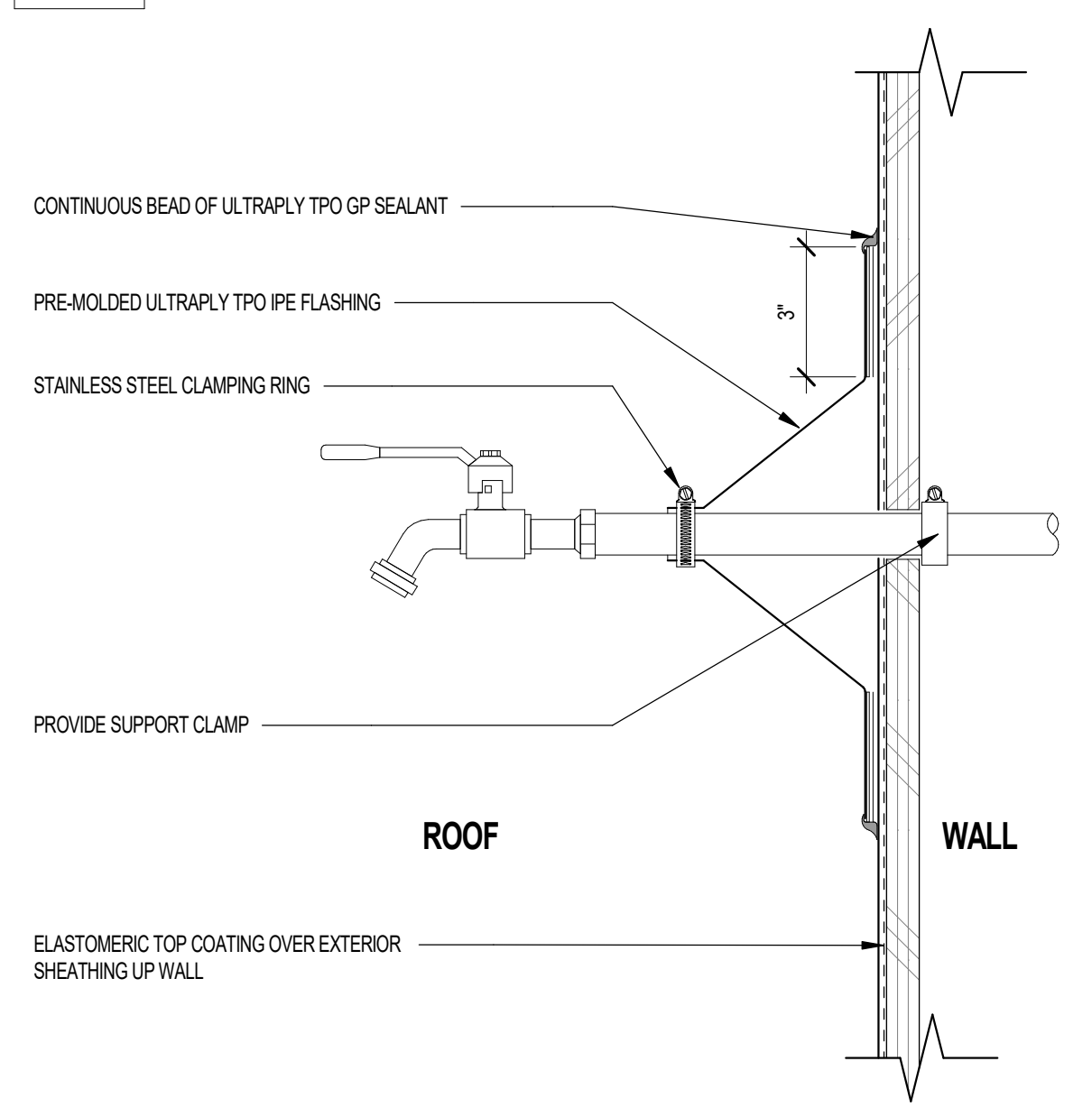


72 HOSE BIB WALL PENETRATION WITH PIPE BOOT SCALE: 3" = 1'-0"

66 TYPICAL MECHANICAL CONFIGURATIONS SCALE: 1/4" = 1'-0"

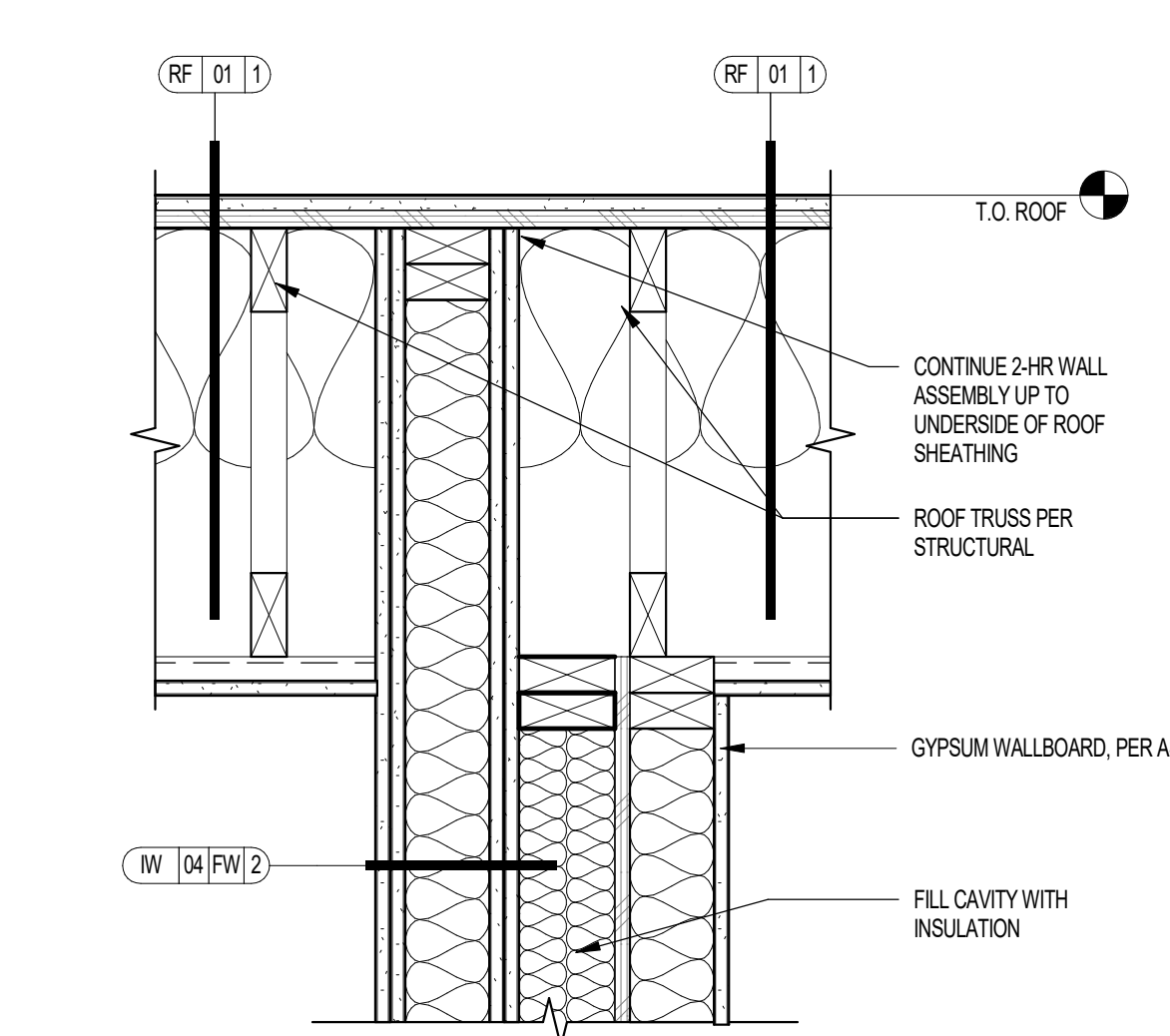


67 MECHANICAL PLATFORM AT METAL ROOF DECK SCALE: 1" = 1'-0"

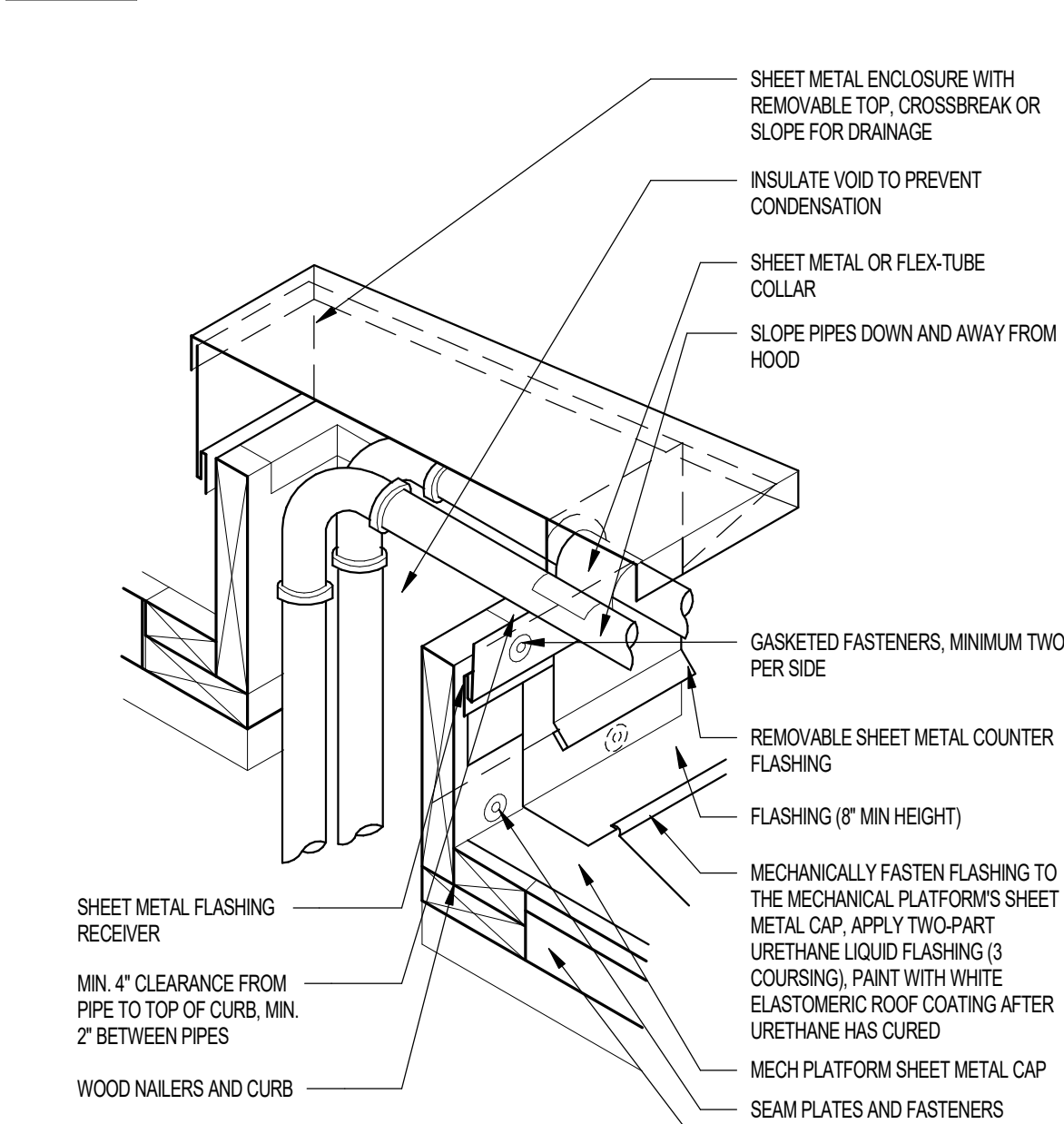


64 HOODED JACK MULTI-LINE SCALE: 1/2" = 1'-0"

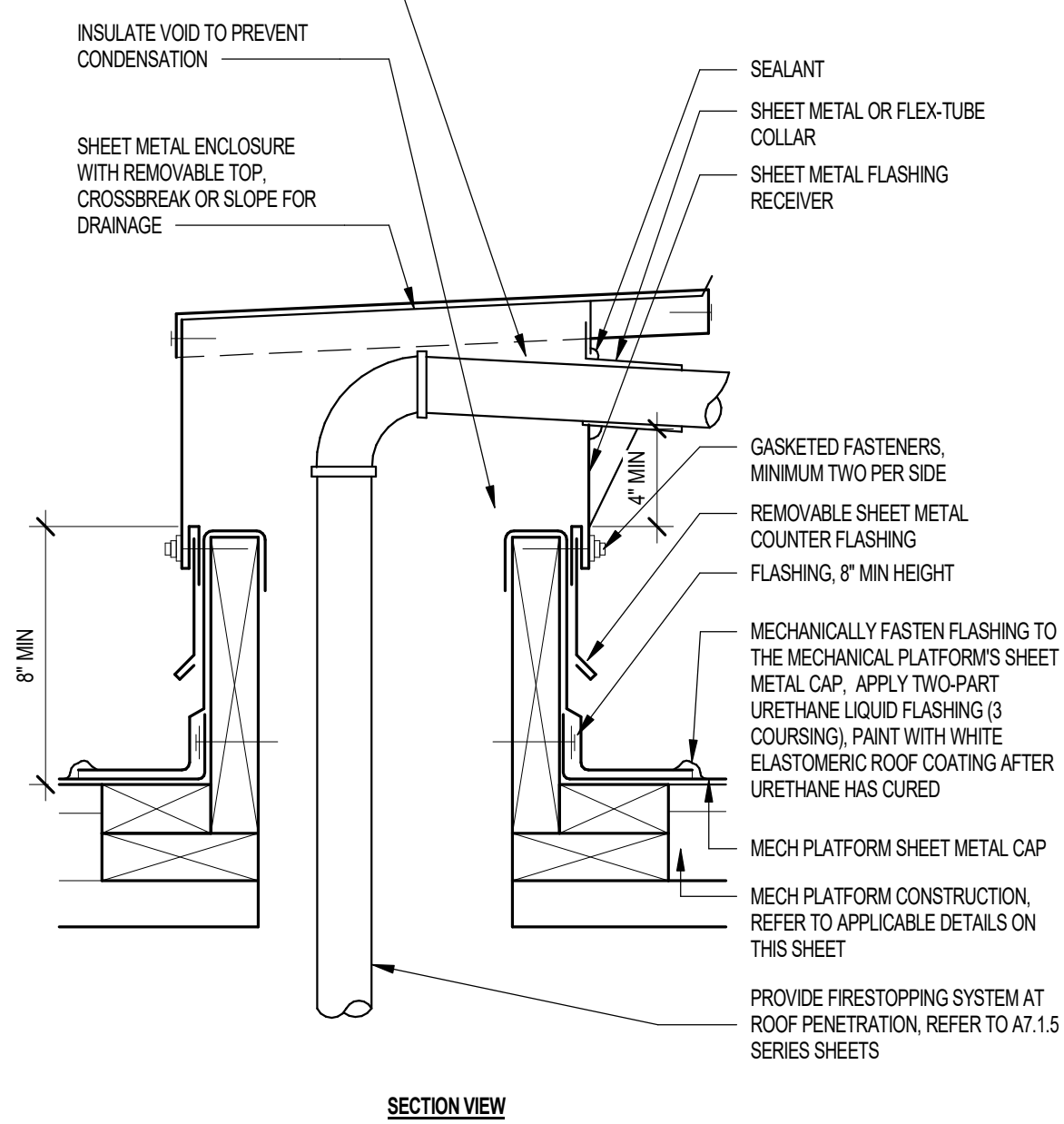
61 2-HR FIRE BARRIER AT ROOF, PARALLEL WITH ROOF TRUSSES SCALE: 1 1/2" = 1'-0"



62 2-HR FIRE BARRIER AT ROOF & UNIT PARTITION WALL, PARALLEL WITH ROOF TRUSSES SCALE: 1 1/2" = 1'-0"



60 ROOF SYSTEM AT ELEVATOR SHAFT SCALE: 3" = 1'-0"



66 PARAPET METAL CAP FLASHING SCALE: 3" = 1'-0"

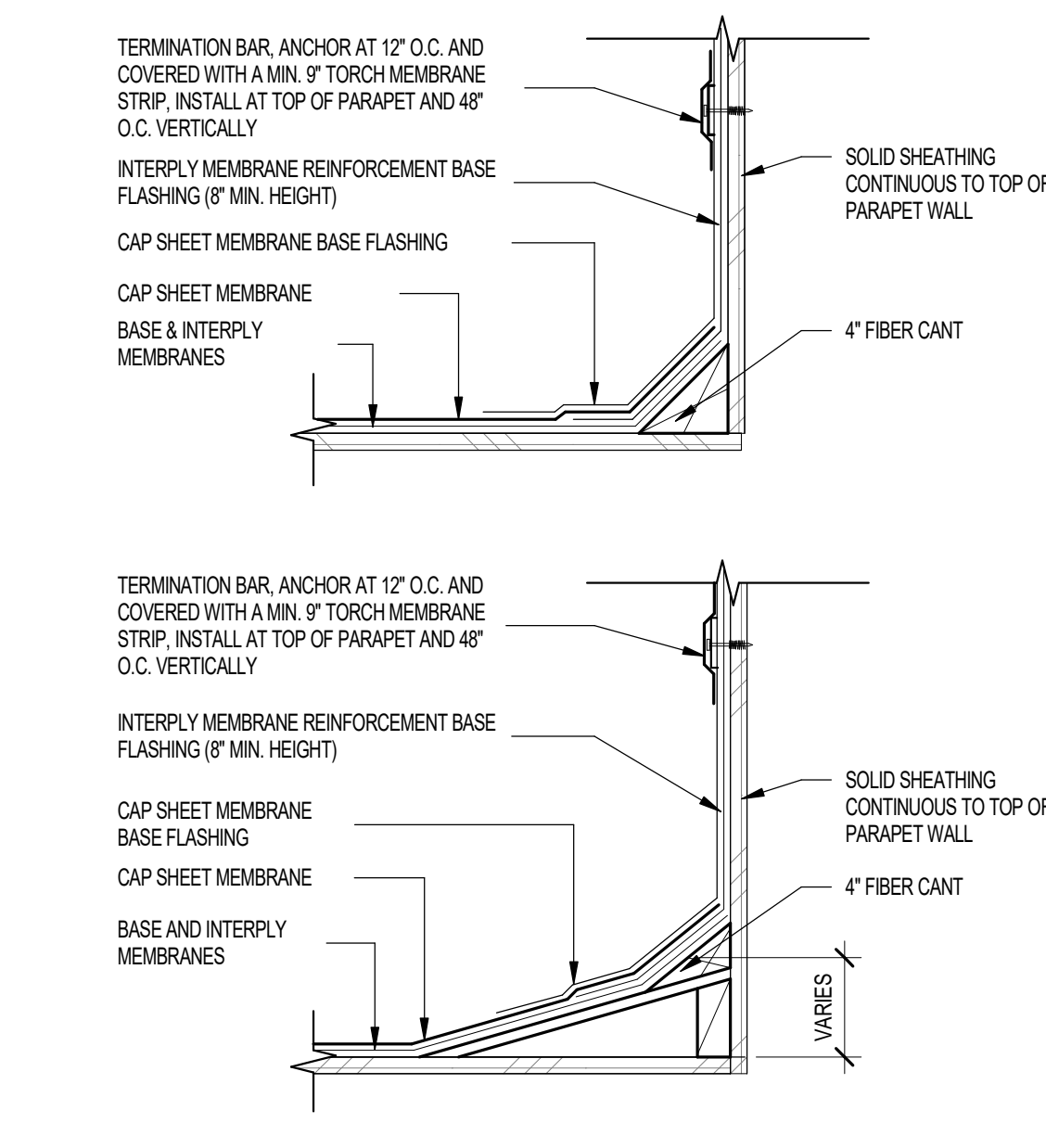
57 ROOF HATCH AT CARRIAGE BUILDING SCALE: 1" = 1'-0"



55 CMU SHAFT FOR TRASH CHUTE AT ROOF SCALE: 1" = 1'-0"

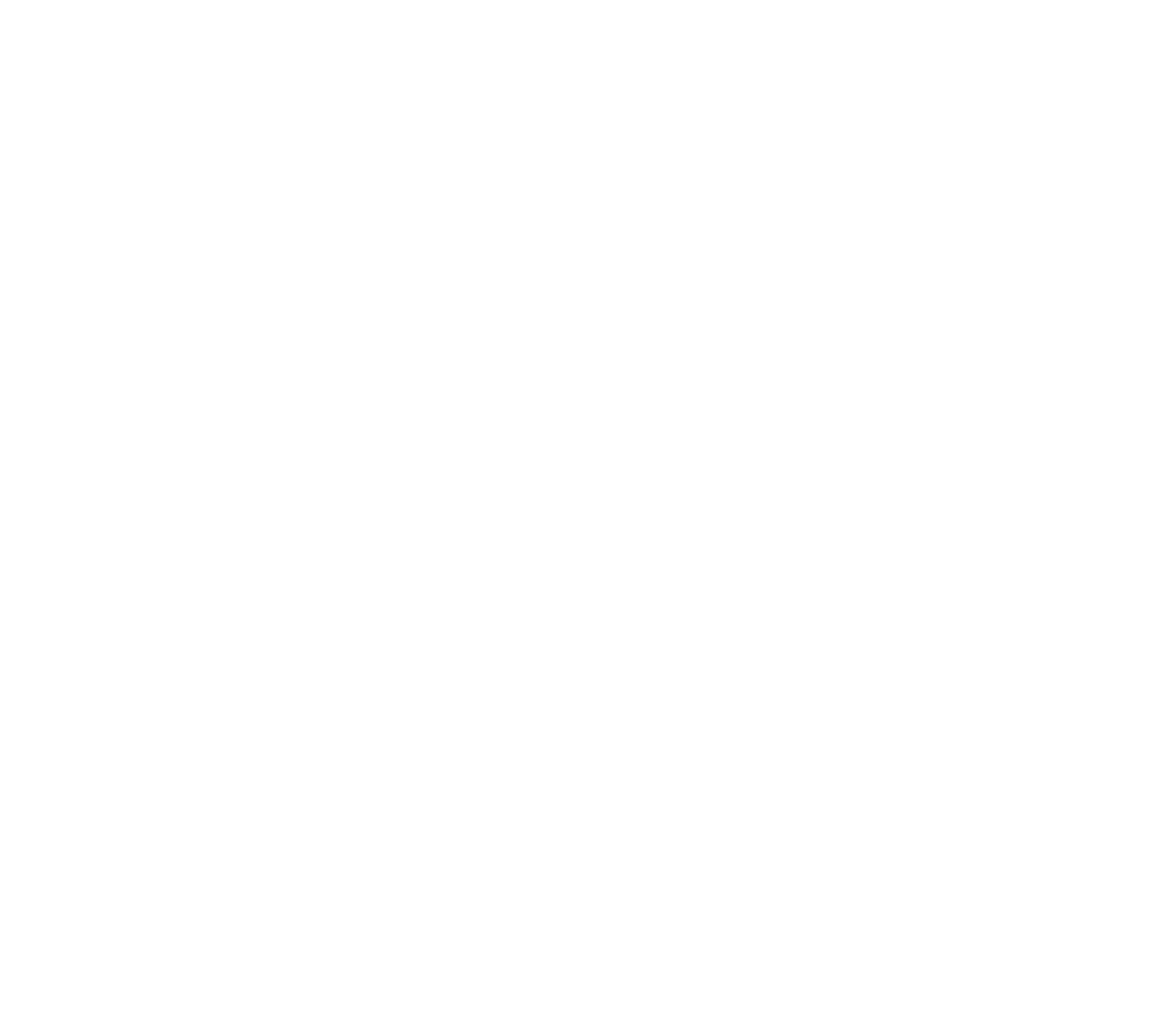


60 ROOF SYSTEM AT ELEVATOR SHAFT SCALE: 3" = 1'-0"

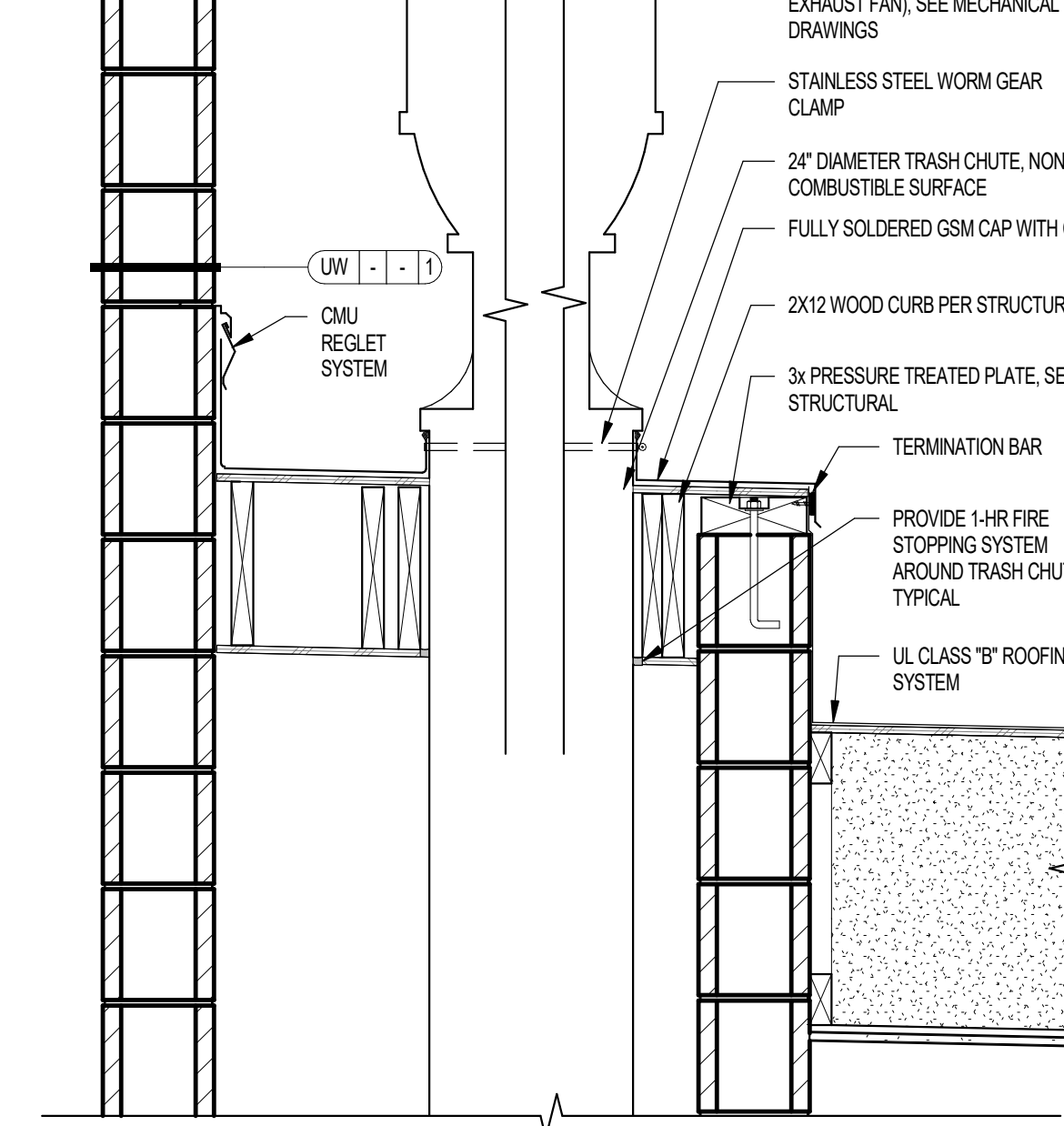


66 PARAPET METAL CAP FLASHING SCALE: 3" = 1'-0"

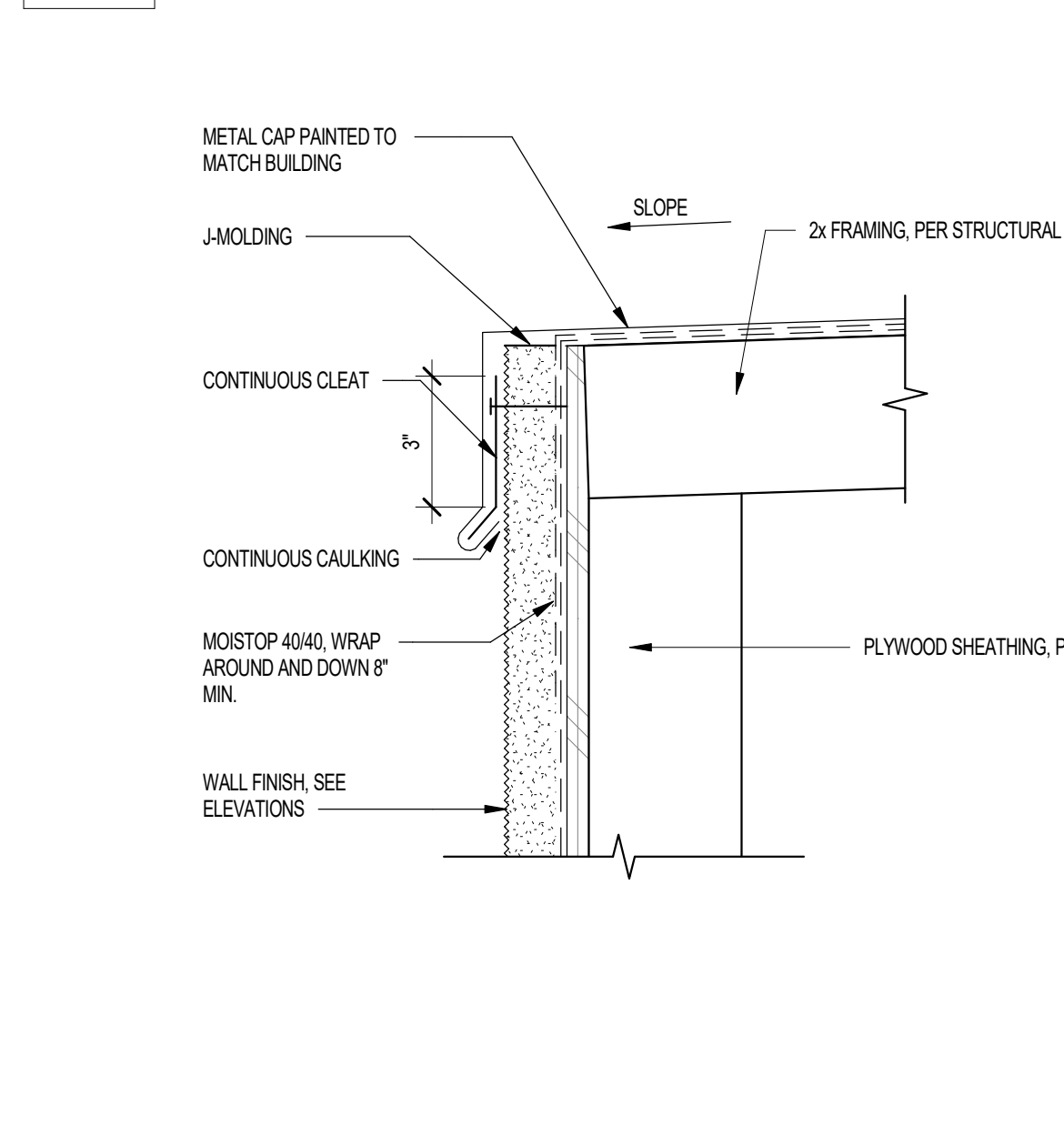
53 WOOD SHAFT FOR TRASH CHUTE AT ROOF SCALE: 1" = 1'-0"



55 CMU SHAFT FOR TRASH CHUTE AT ROOF SCALE: 1" = 1'-0"



60 ROOF SYSTEM AT ELEVATOR SHAFT SCALE: 3" = 1'-0"



66 PARAPET METAL CAP FLASHING SCALE: 3" = 1'-0"

PRELIMINARY NOT FOR CONSTRUCTION



Notice of alternate billing (or payment) cycle
 This contract allows the contractor to request the admission of billing or advance to billing cycle after the first draw. This contract shall be void if the contractor does not provide alternate billing schedule after certification and approval of billing and contract. A written description of what the billing cycle applies to the project is available from the owner or the contractor's designated agent.

CLIENT NAME
 CLIENT ADDRESS
 CLIENT PHONE NUMBER
 and the owner or designated agent shall provide the written description on request.

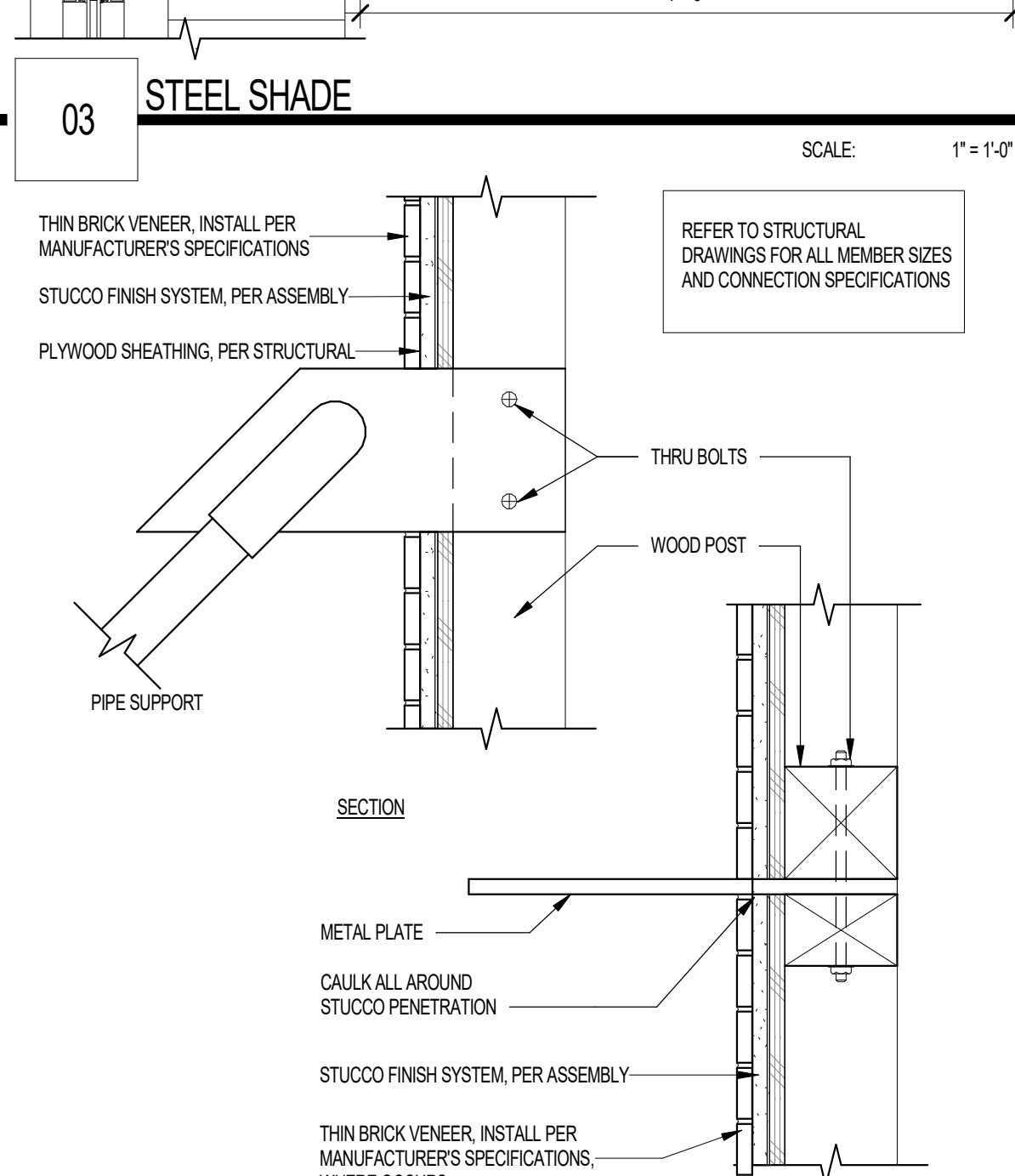
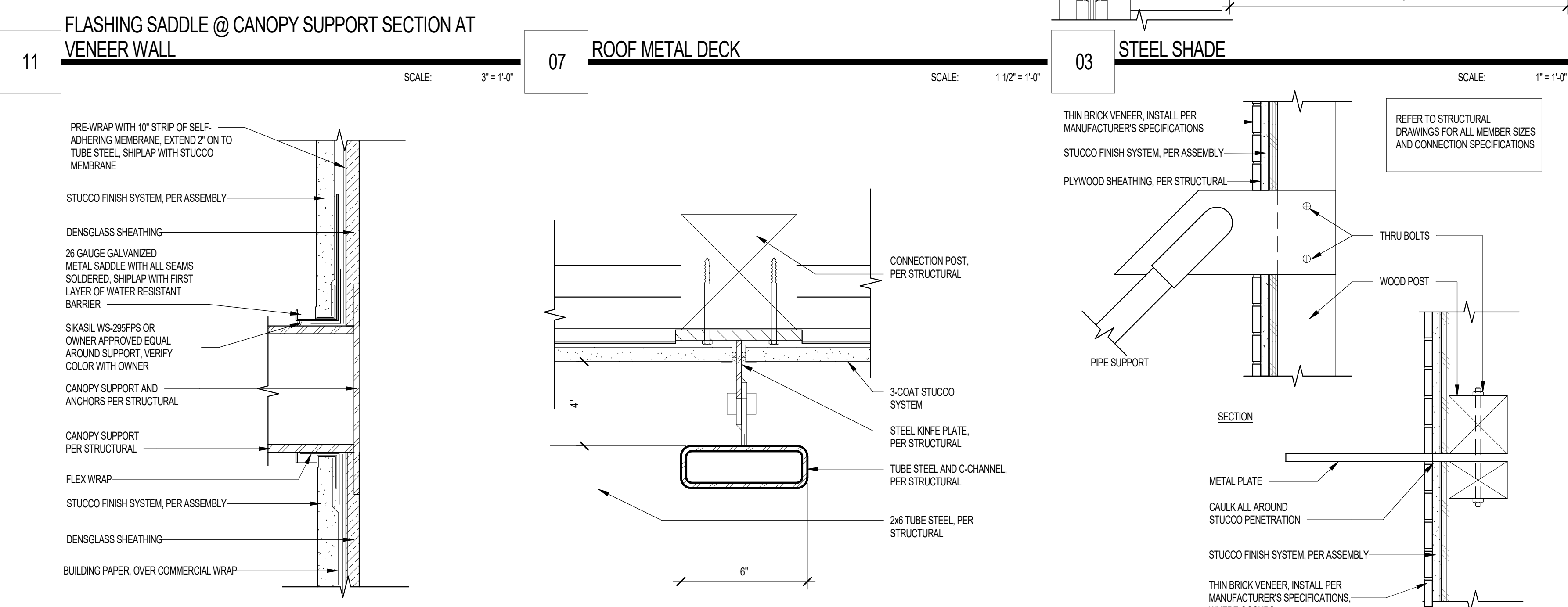
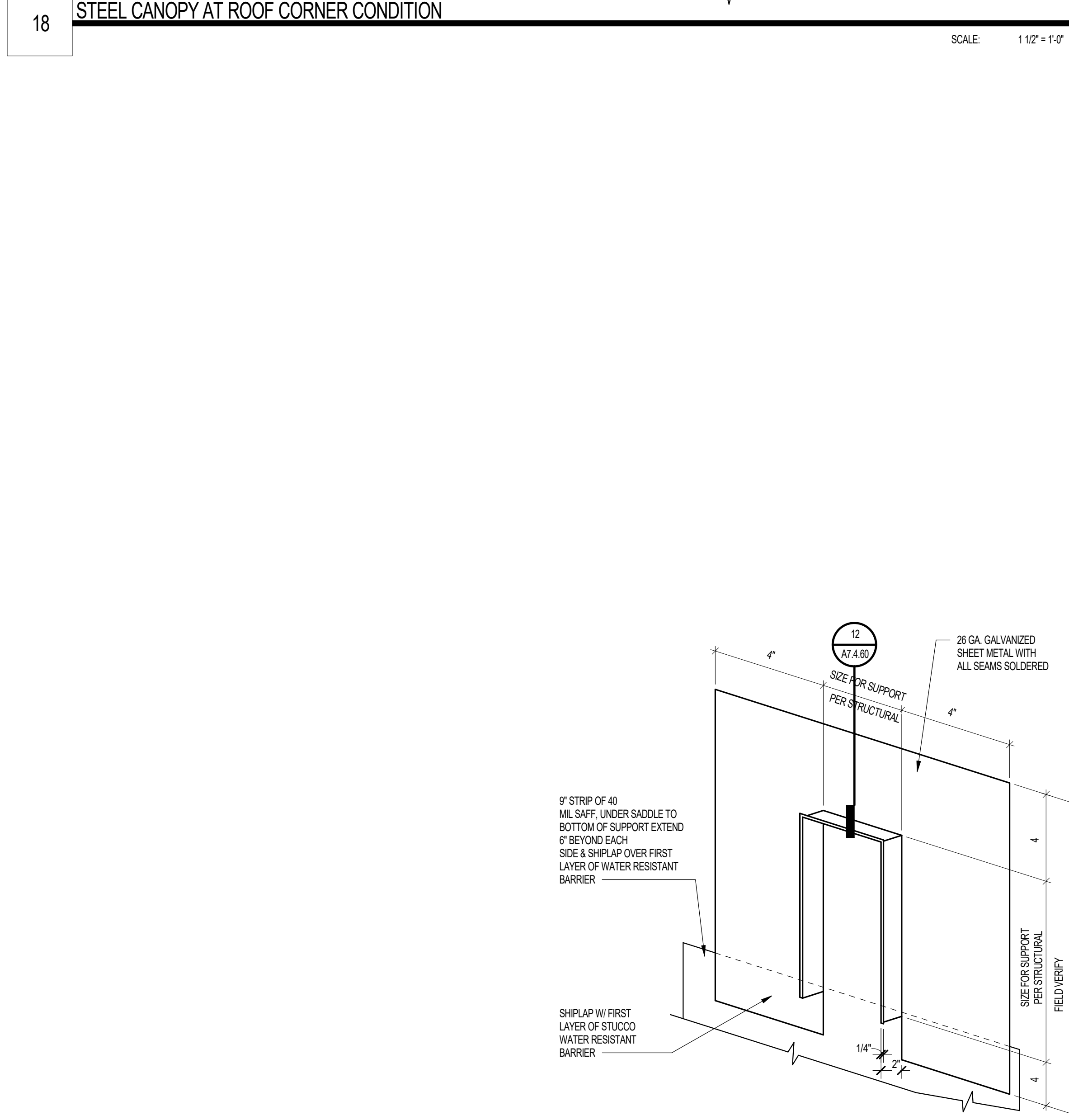
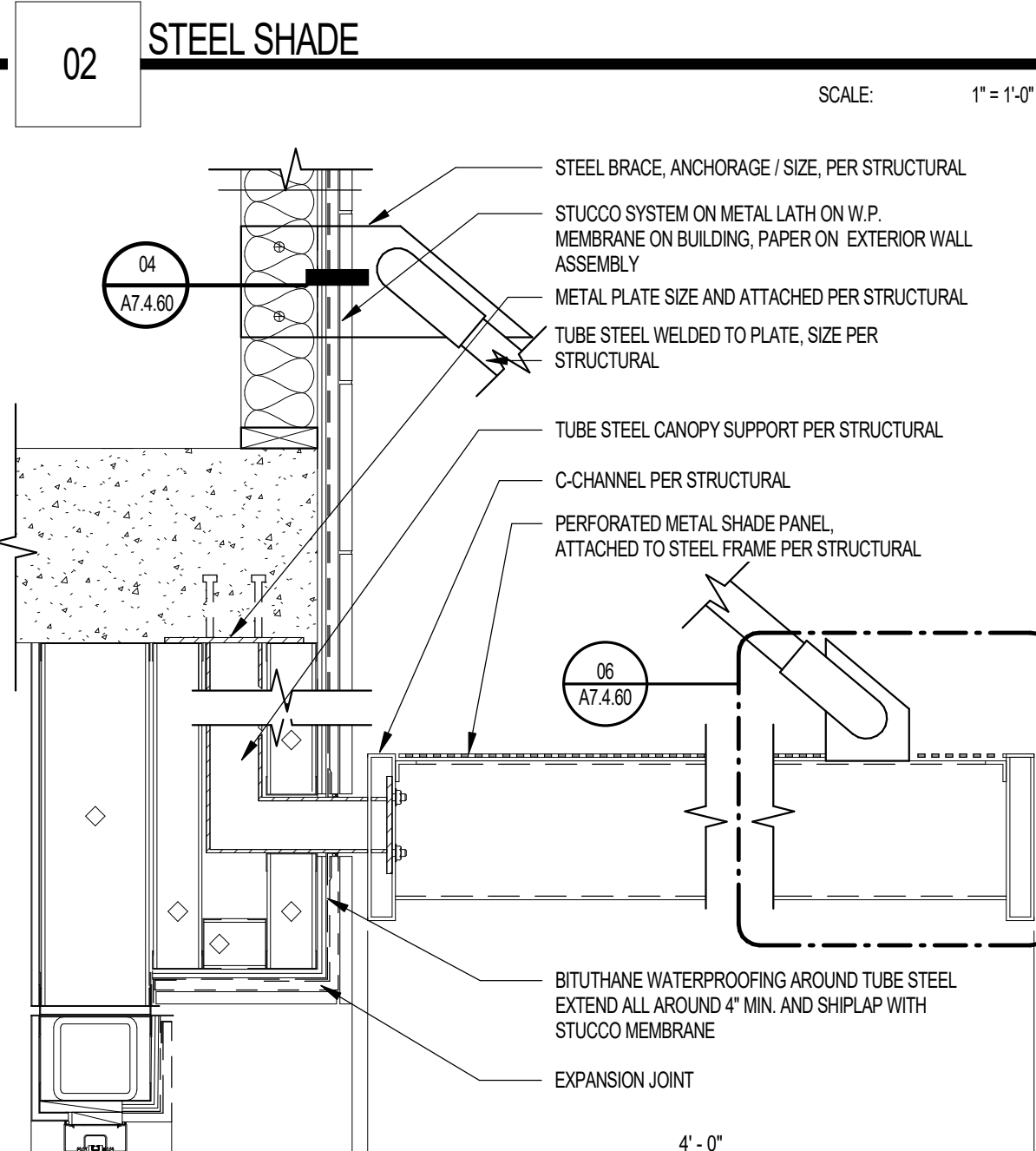
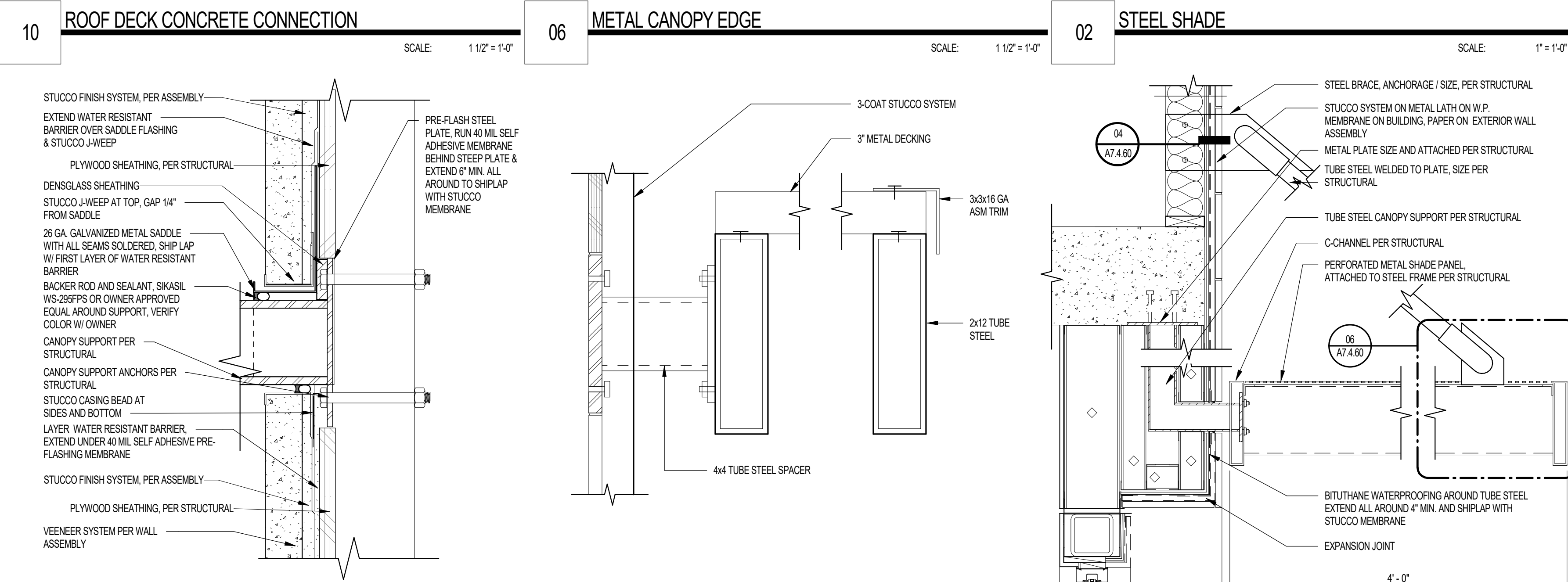
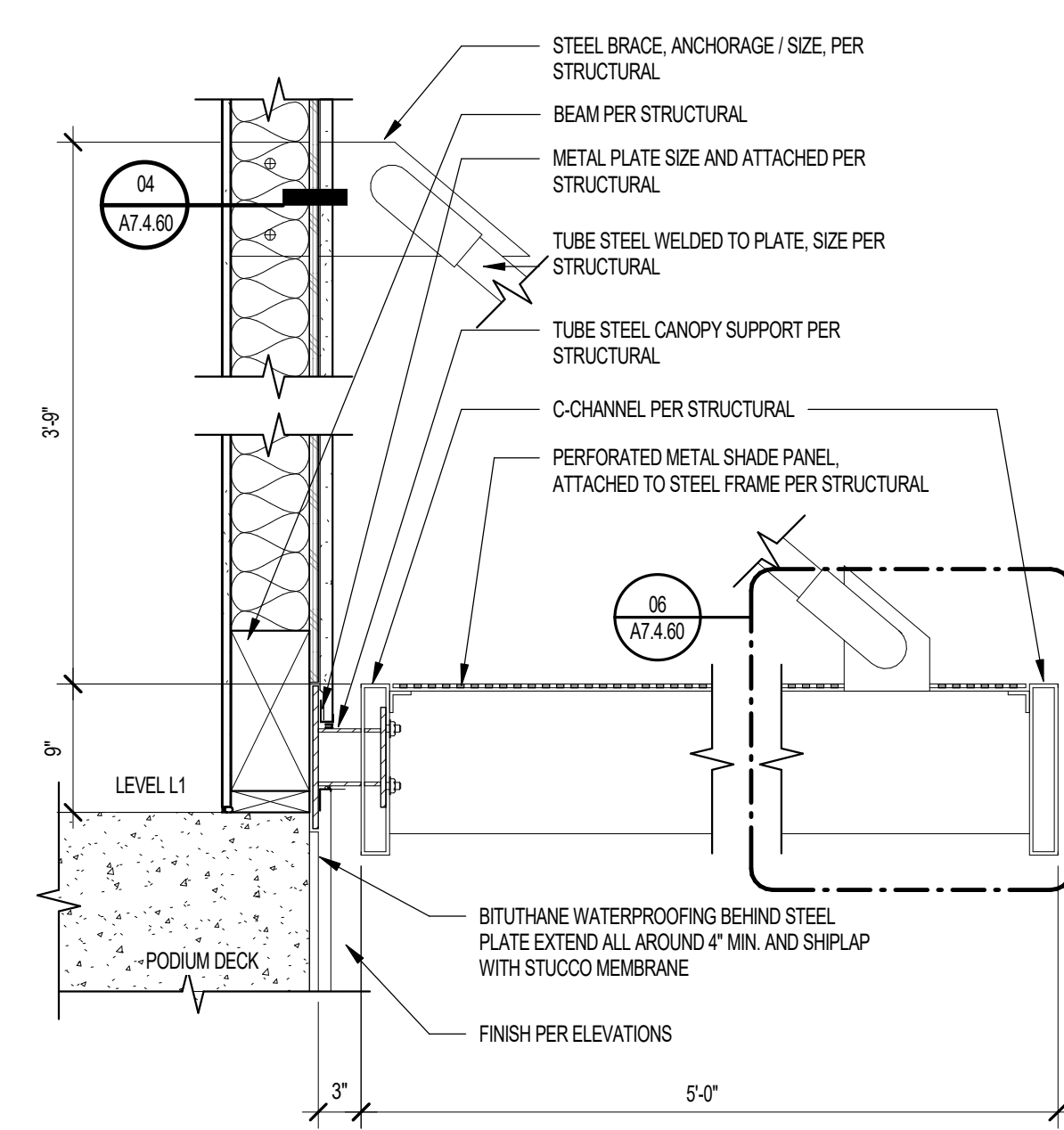
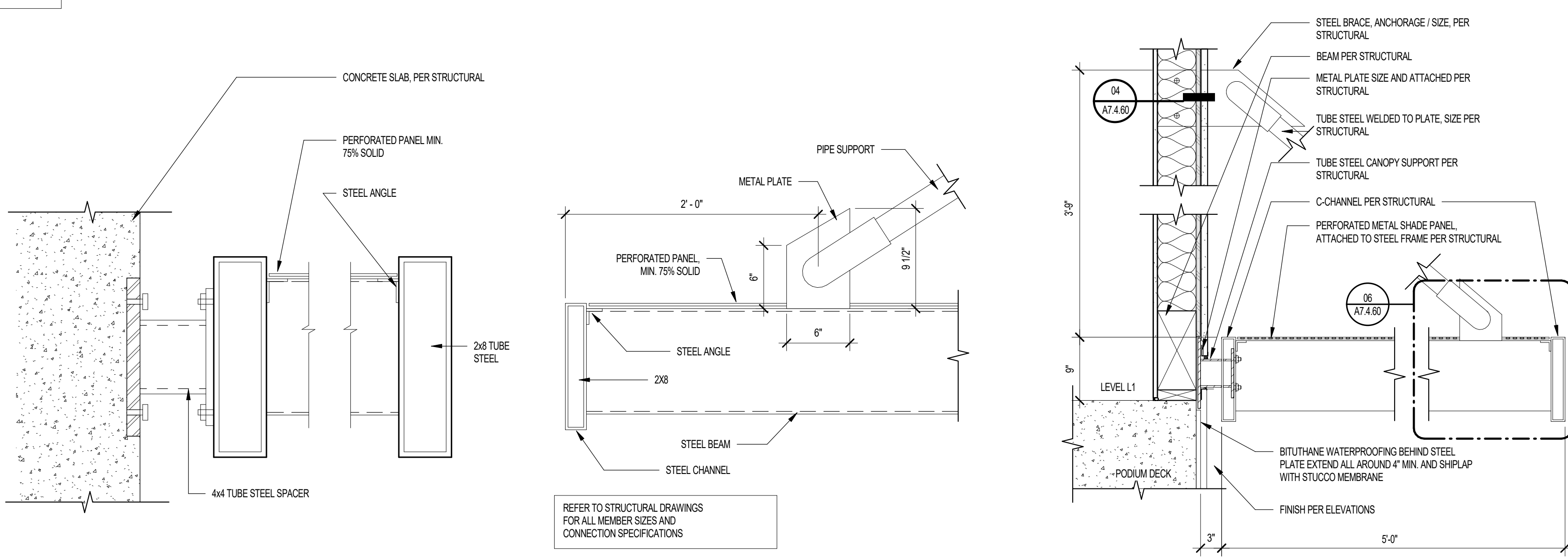
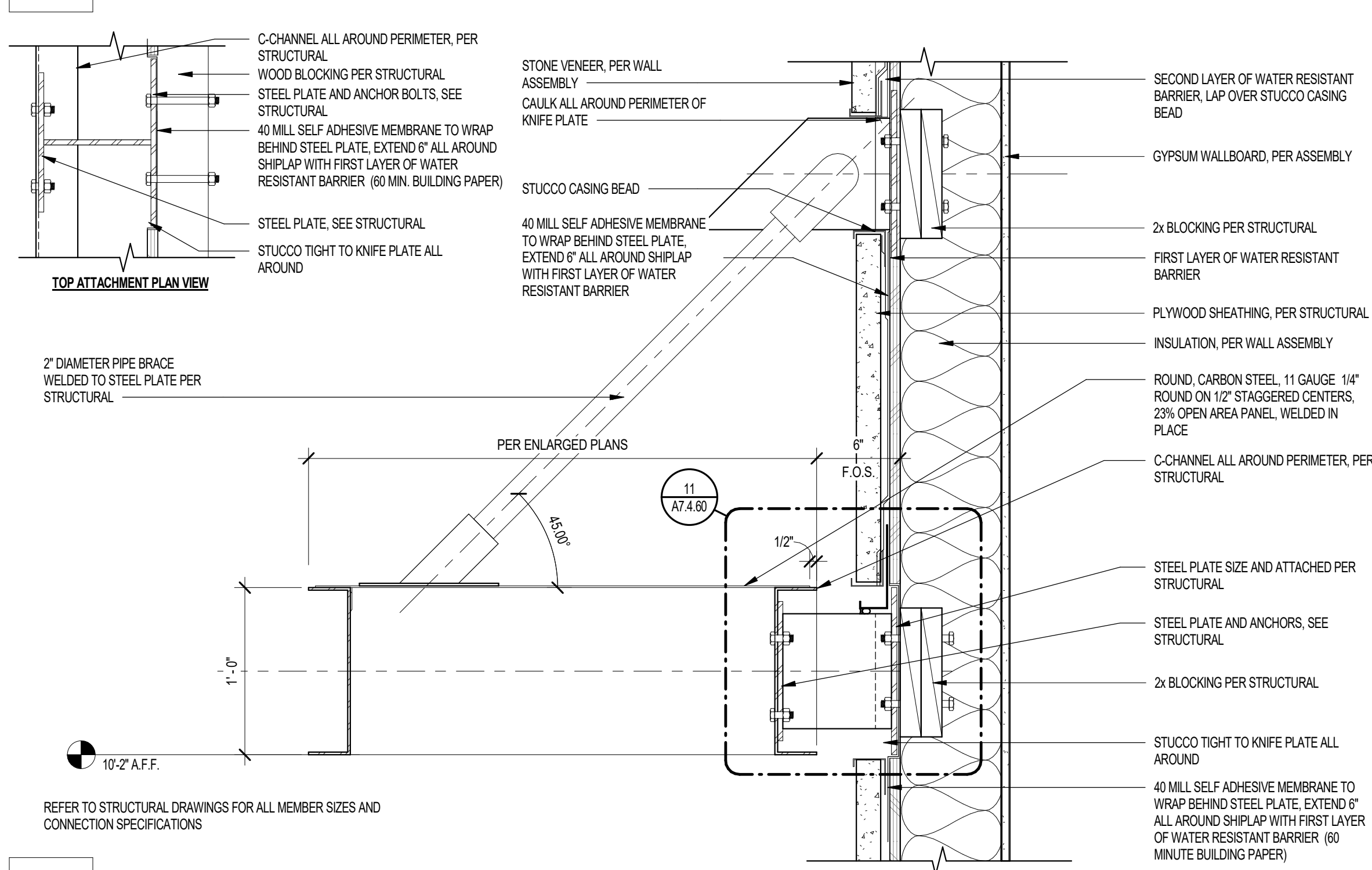
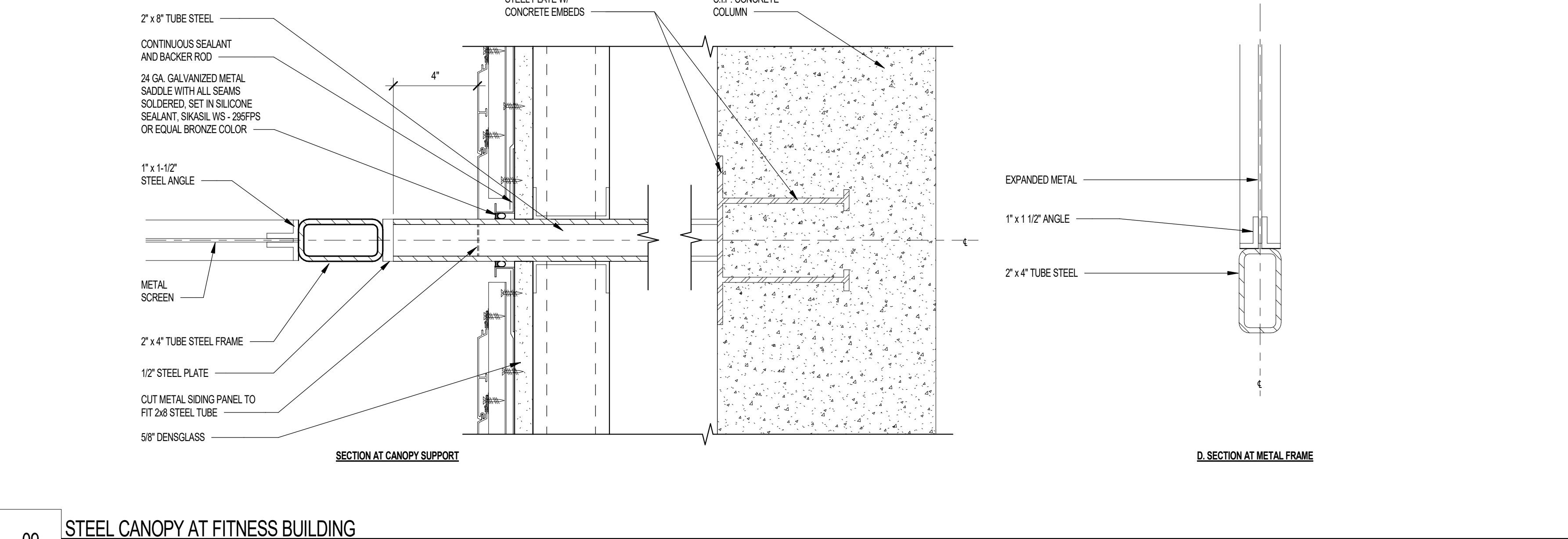
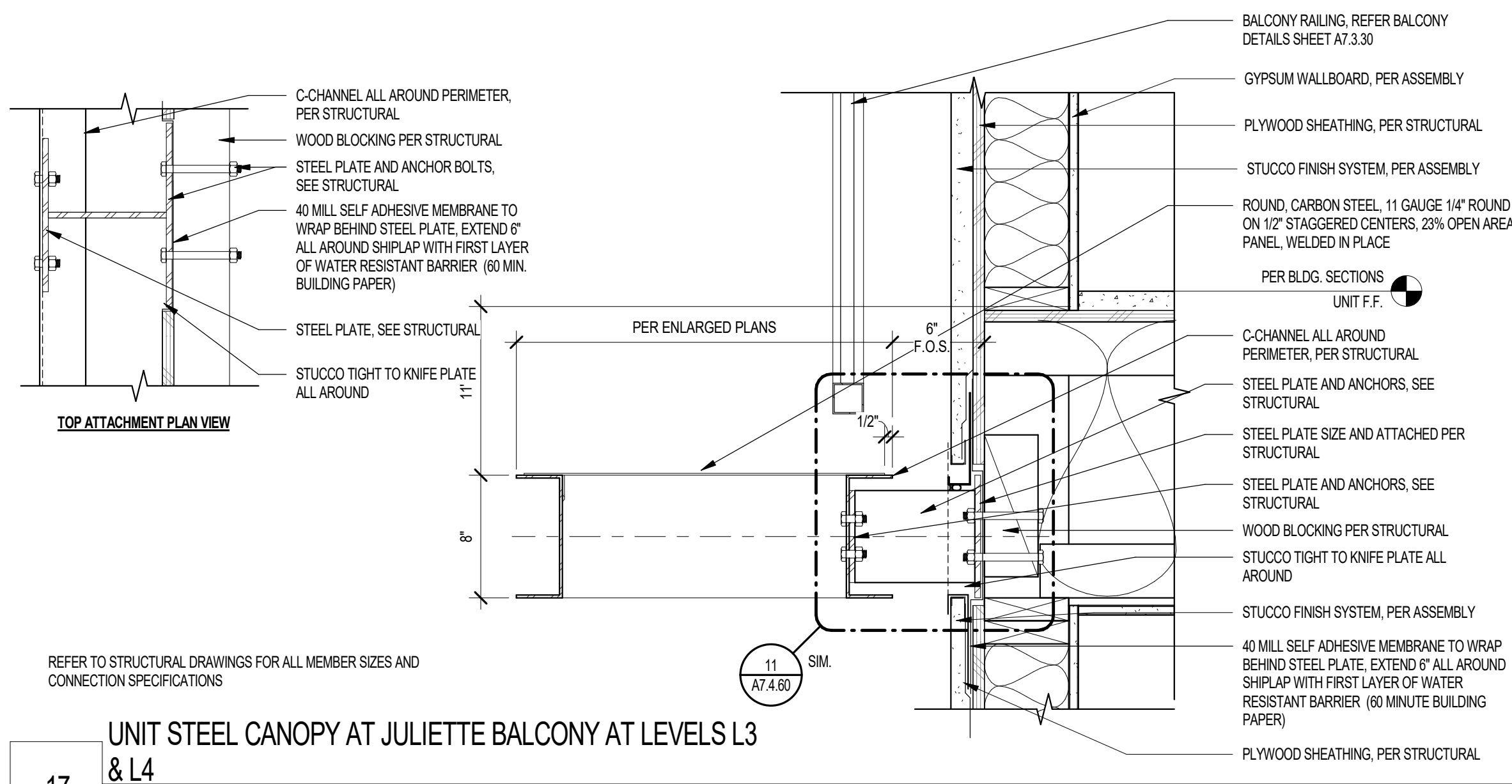
Contractor must verify all dimensions of project before proceeding with this work.

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REVISIONS/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.4.52
ROOF - CEILING DETAILS



PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows (they allow) the owner to request the admission of billing or advance in billing consideration for the project. This contract shall also be subject to the terms, conditions and specifications set forth in the contract documents. A further description of such alternate billing cycle applies to the project as indicated on the owner's designation of

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect whether the project is under construction or not. These drawings and specifications shall not be used for any other projects, for addition to this project or for completion of this project by others except by the expressed written permission of the Architect.

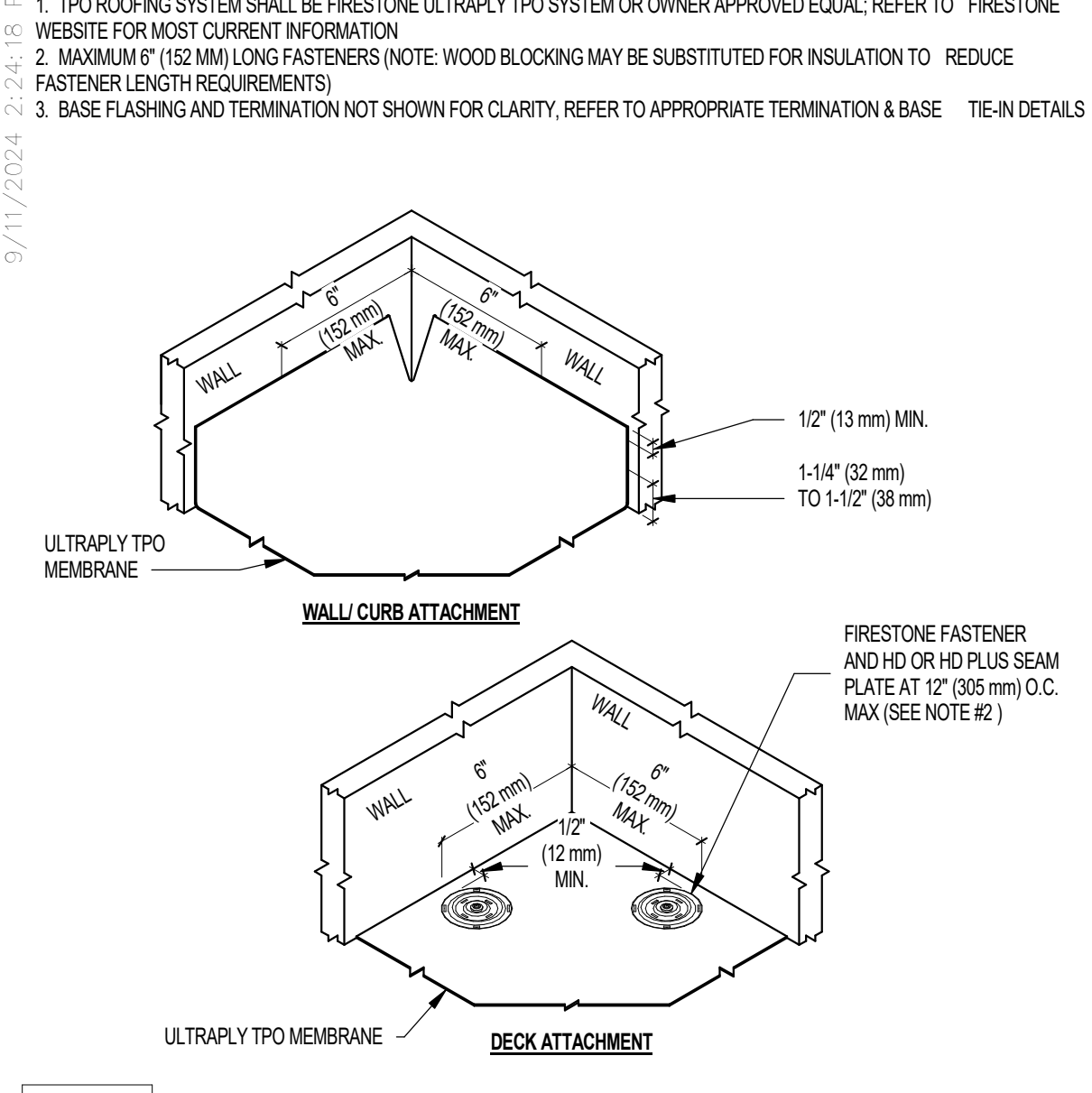
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REVISIONS/SUBMITTALS	DATE	DESCRIPTION

3RD BUILDING SUBMITTAL
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

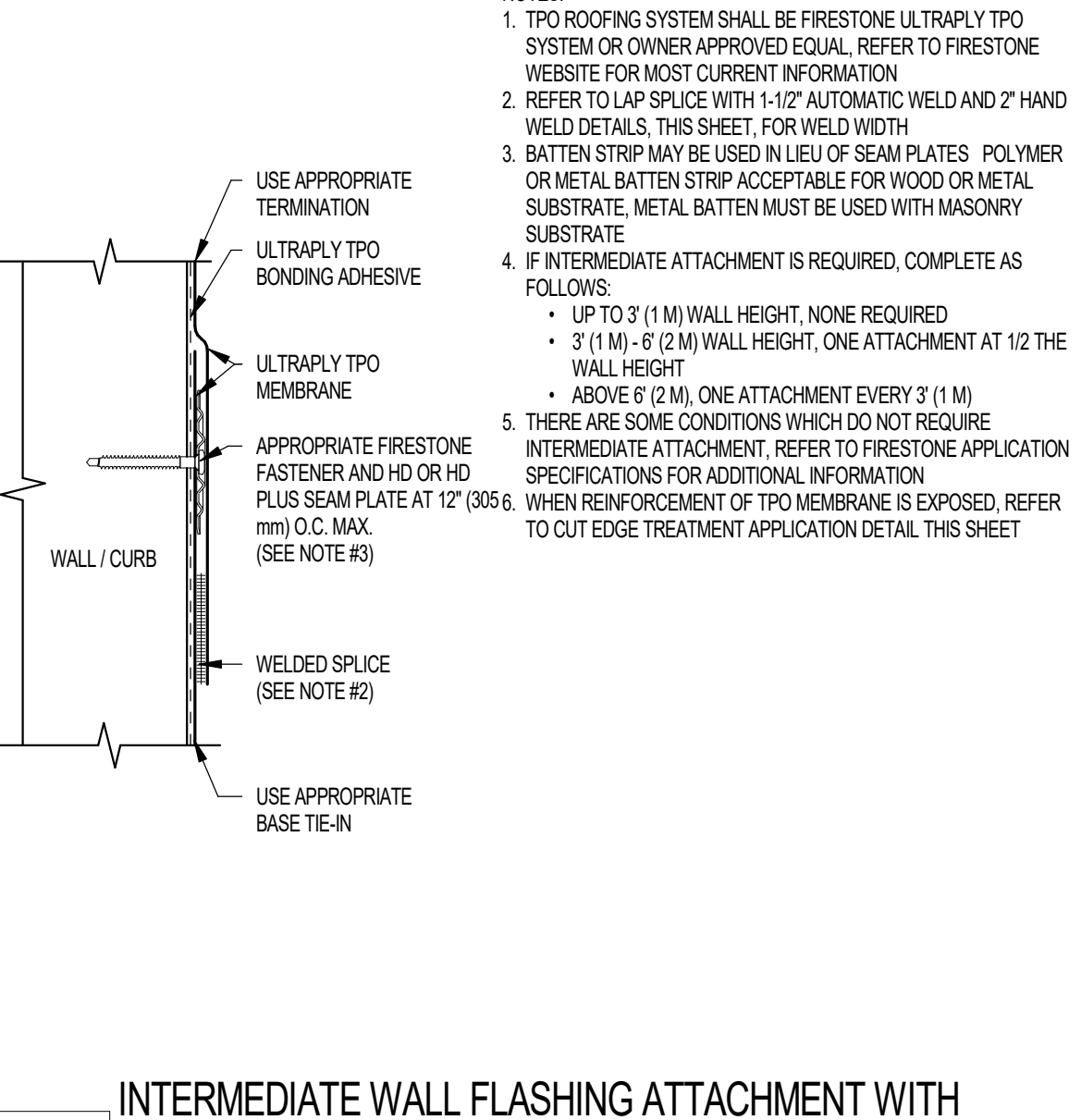
A7.4.60
CANOPY DETAILS

NOTES:
1. TPO ROOFING SYSTEM SHALL BE FIRESTONE ULTRAPLY TPO SYSTEM OR OWNER APPROVED EQUAL. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. MAXIMUM 1/2" (12.7mm) LONG FASTENERS (NOTE: WOOD BLOCKING MAY BE SUBSTITUTED FOR INSULATION TO REDUCE FASTENER LENGTH REQUIREMENTS)
3. BASE FLASHING AND TERMINATION NOT SHOWN FOR CLARITY. REFER TO APPROPRIATE TERMINATION AND BASE TIE-IN DETAILS



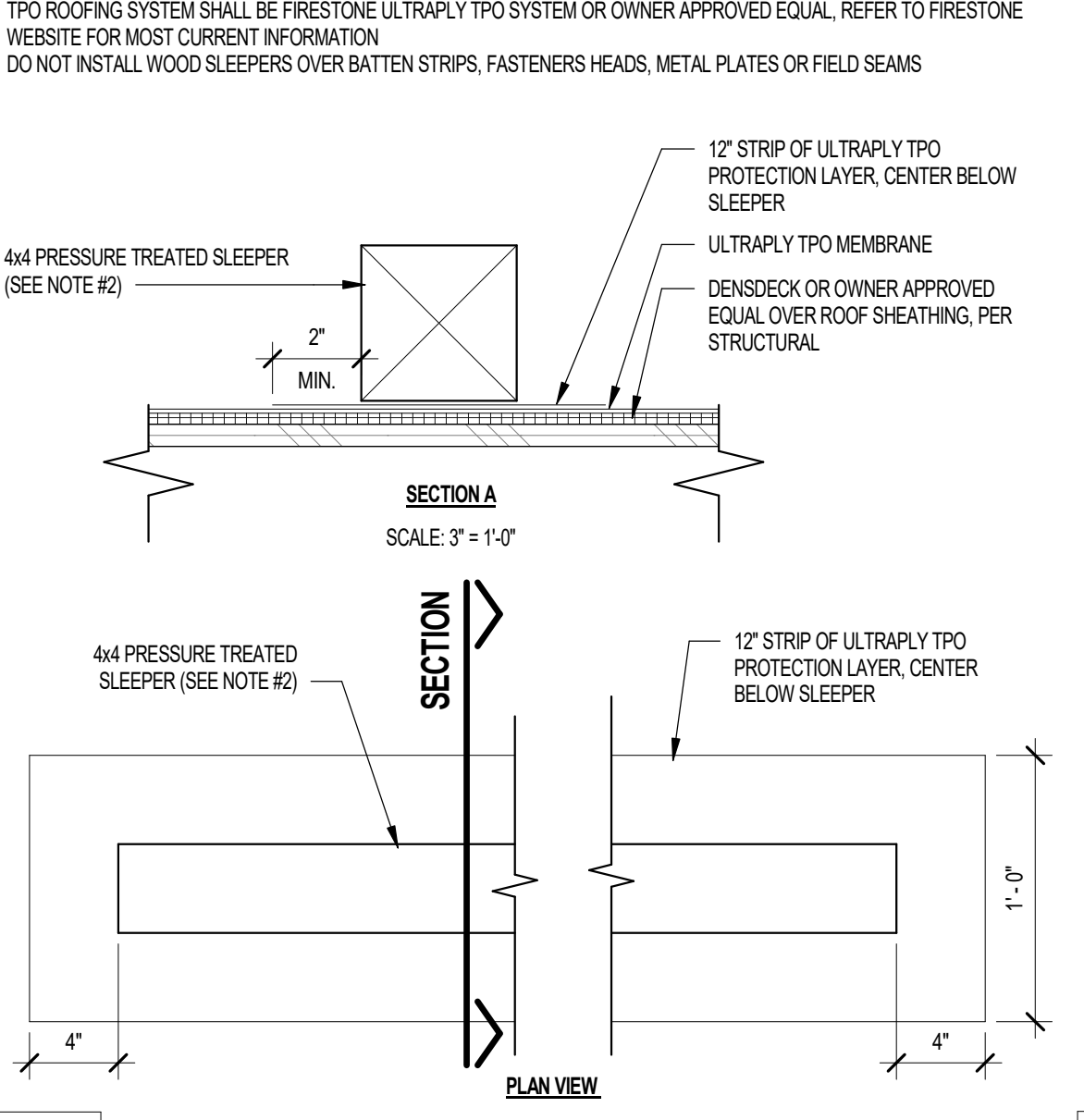
21 MEMBRANE SECUREMENT AT INSIDER CORNER
FIRESTONE NO. UT-81-17
SCALE: 1/12" = 1'-0"

NOTES:
1. TPO ROOFING SYSTEM SHALL BE FIRESTONE ULTRAPLY TPO SYSTEM OR OWNER APPROVED EQUAL. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. DO NOT INSTALL WOOD SLEEPERS OVER BATTEN STRIPS, FASTENERS HEADS, METAL PLATES OR FIELD SEAMS



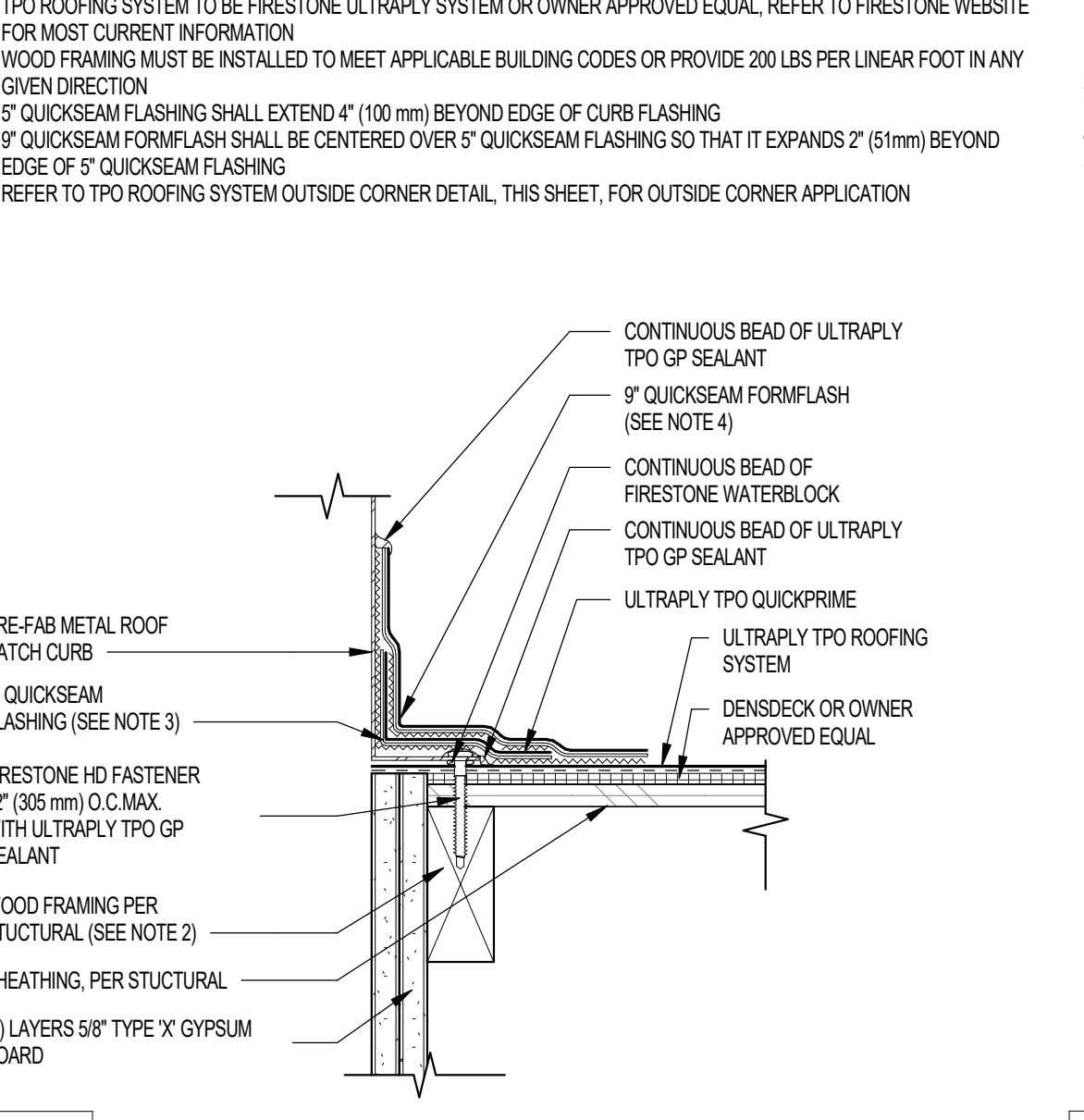
17 INTERMEDIATE WALL FLASHING ATTACHMENT WITH WELDED SPLICE
FIRESTONE NO. UT-23
SCALE: 3/8" = 1'-0"

NOTES:
1. TPO ROOFING SYSTEM SHALL BE FIRESTONE ULTRAPLY TPO SYSTEM OR OWNER APPROVED EQUAL. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. WOOD FRAMING MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR PROVIDE 200 LBS PER LINEAR FOOT IN ANY GIVEN DIRECTION
3. 5' QUICKSEAM FLASHING SHALL EXTEND 4" (103mm) BEYOND EDGE OF CURB FLASHING
4. 9' QUICKSEAM FLASHING SHALL BE CENTERED OVER 5' QUICKSEAM FLASHING SO THAT IT EXPANDS 2" (51mm) BEYOND EDGE OF 5' QUICKSEAM FLASHING
5. REFER TO TPO ROOFING SYSTEM OUTSIDE CORNER DETAIL, THIS SHEET, FOR OUTSIDE CORNER APPLICATION



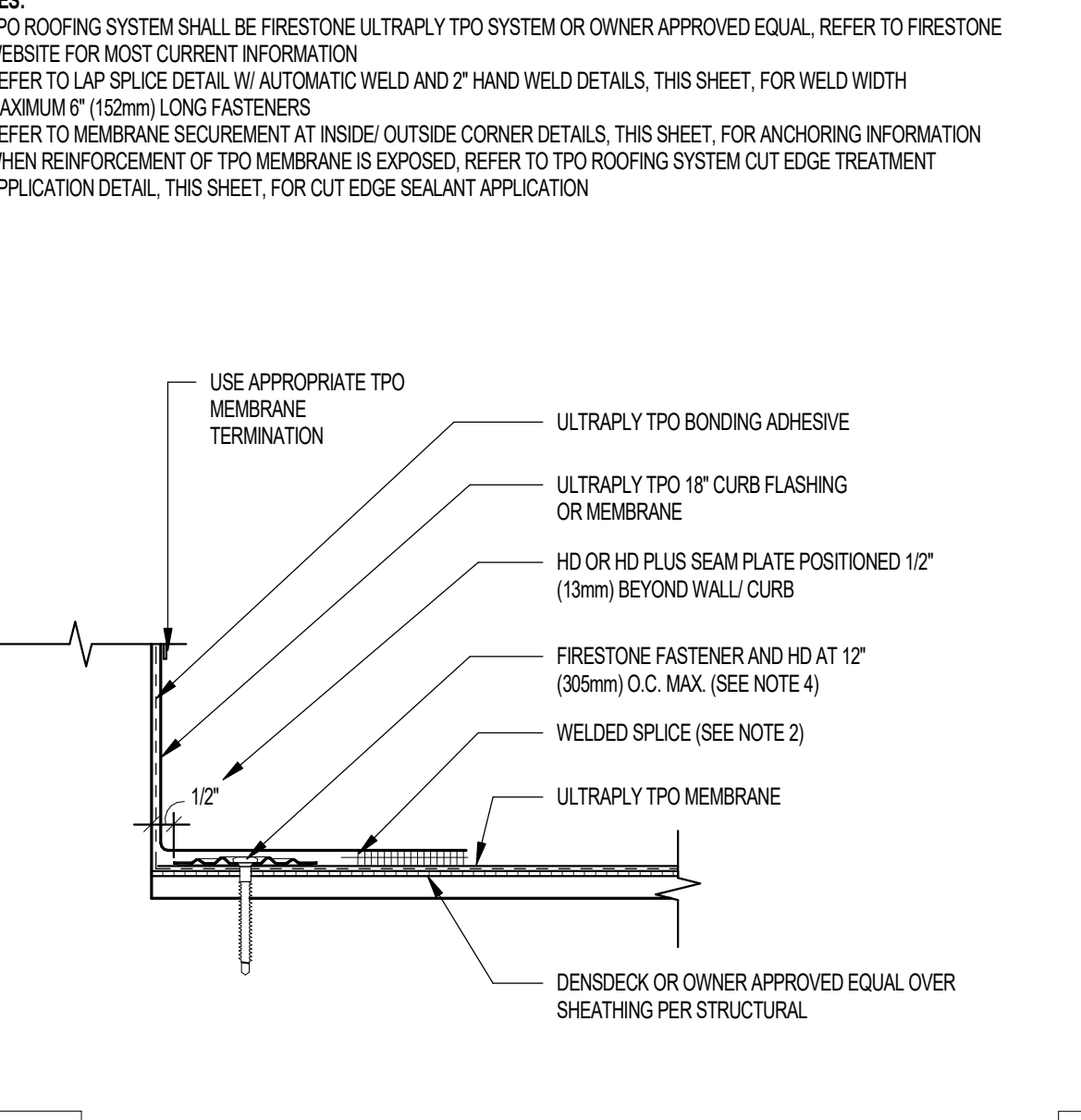
09 TPO ROOFING SYSTEM TERMINATION AT RTU
SCALE: 1/12" = 1'-0"

NOTES:
1. TPO ROOFING SYSTEM SHALL BE FIRESTONE ULTRAPLY TPO SYSTEM OR OWNER APPROVED EQUAL. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION.
2. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION
3. MAXIMUM 1/2" (12.7mm) LONG FASTENERS
4. REFER TO MEMBRANE SECUREMENT AT INSIDE/OUTSIDE CORNER DETAILS, THIS SHEET, FOR ANCHORING INFORMATION
5. WHEN REINFORCEMENT OF TPO IS EXPOSED, REFER TO TPO ROOFING SYSTEM CUT EDGE TREATMENT APPLICATION DETAIL, THIS SHEET, FOR CUT EDGE SEALANT APPLICATION

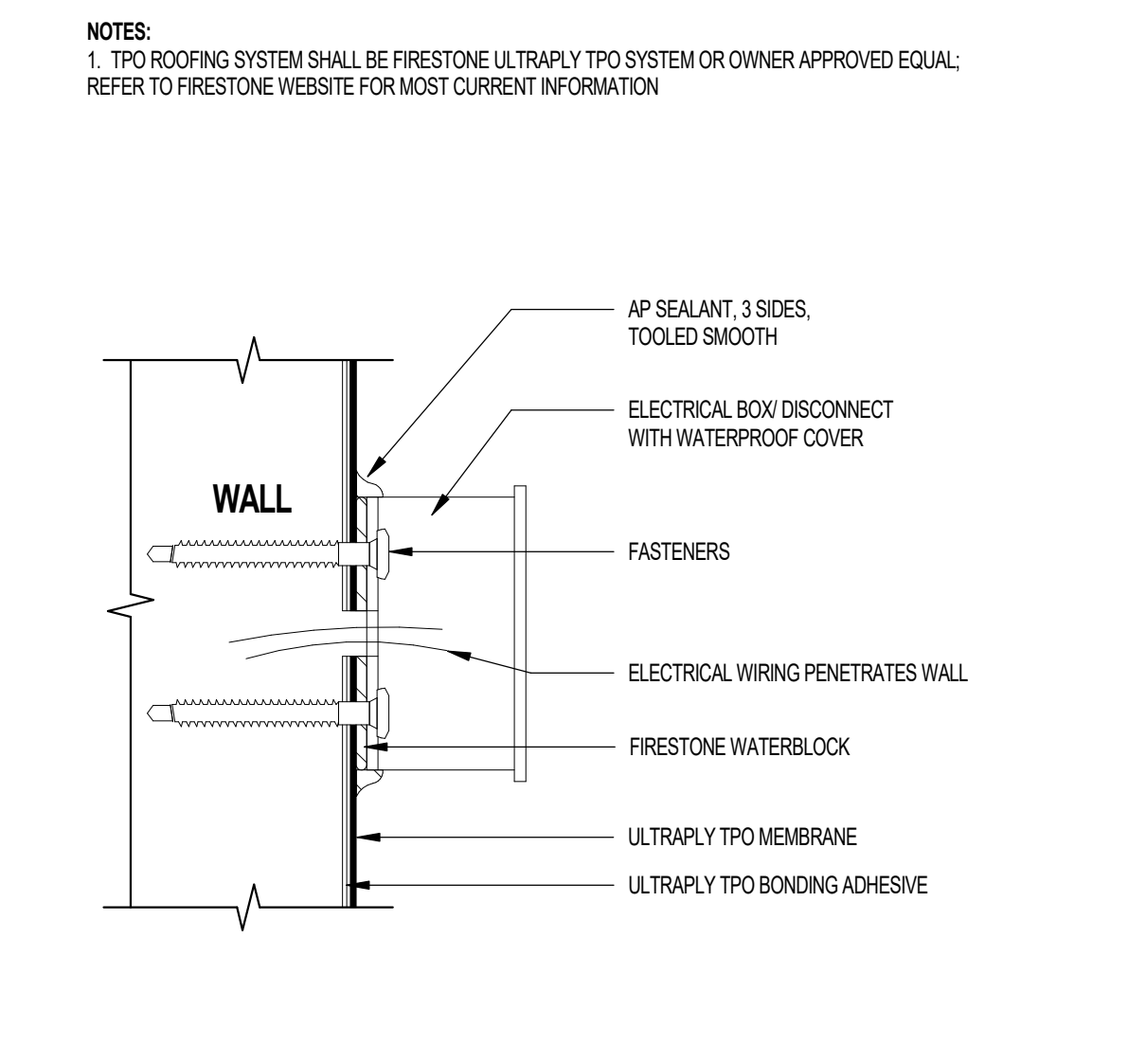


05 TPO ROOFING SYSTEM BASE TIE-IN WITH SEAM PLATES
FIRESTONE NO. UT-8-4
SCALE: 3/8" = 1'-0"

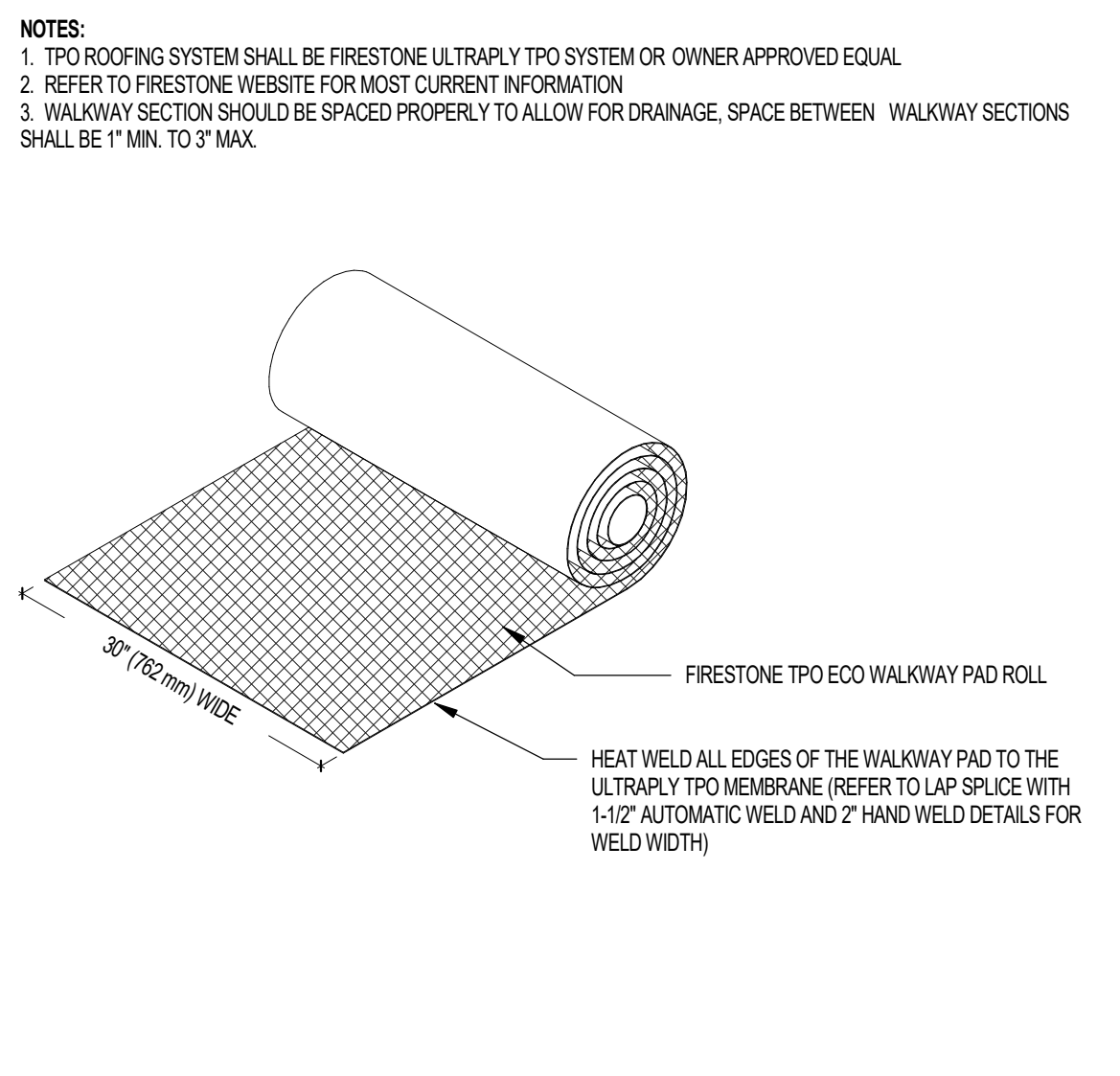
NOTES:
1. TPO ROOFING SYSTEM SHALL BE FIRESTONE ULTRAPLY TPO SYSTEM OR OWNER APPROVED EQUAL. REFER TO FIRESTONE WEBSITE FOR MOST CURRENT INFORMATION
2. REFER TO TPO ROOFING SYSTEM OUTSIDE CORNER DETAIL, THIS SHEET, FOR OUTSIDE CORNER APPLICATION



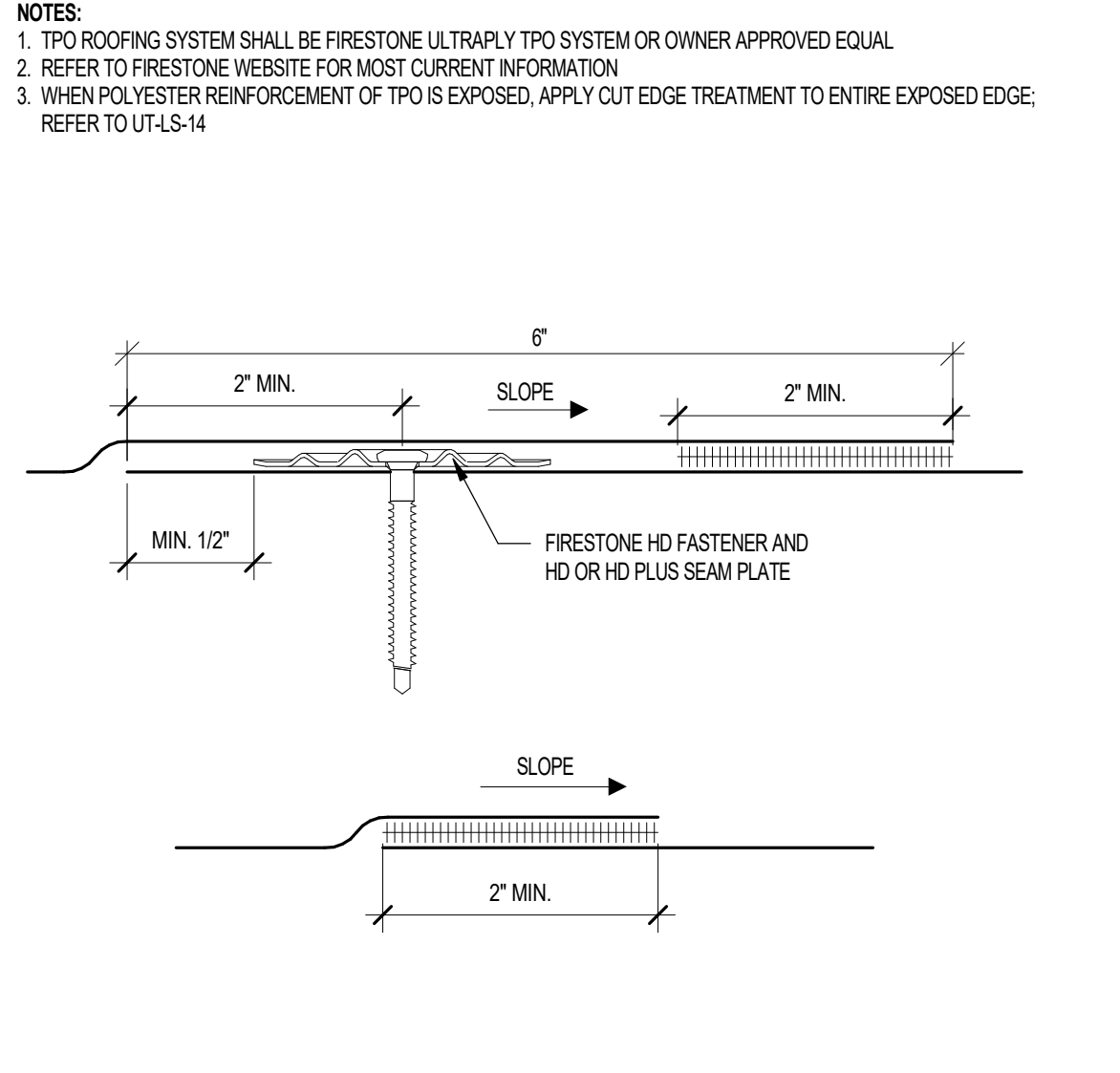
01 TPO ROOFING SYSTEM CUT EDGE TREATMENT APPLICATION
FIRESTONE NO. UT-LS-14
SCALE: 3/8" = 1'-0"



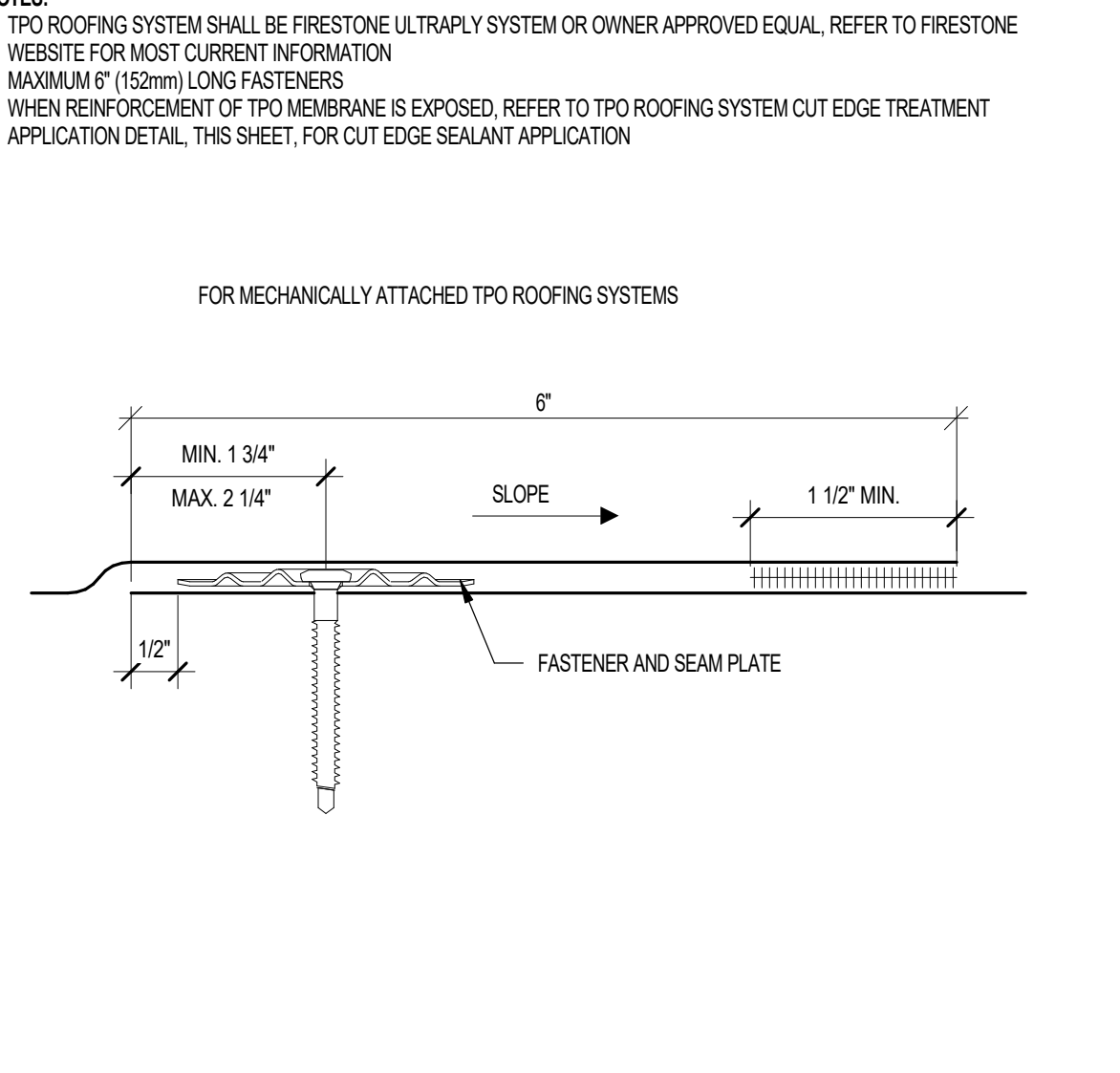
22 WALL MOUNTED ELECTRICAL BOX
FIRESTONE NO. UT-M-6
SCALE: 6/8" = 1'-0"



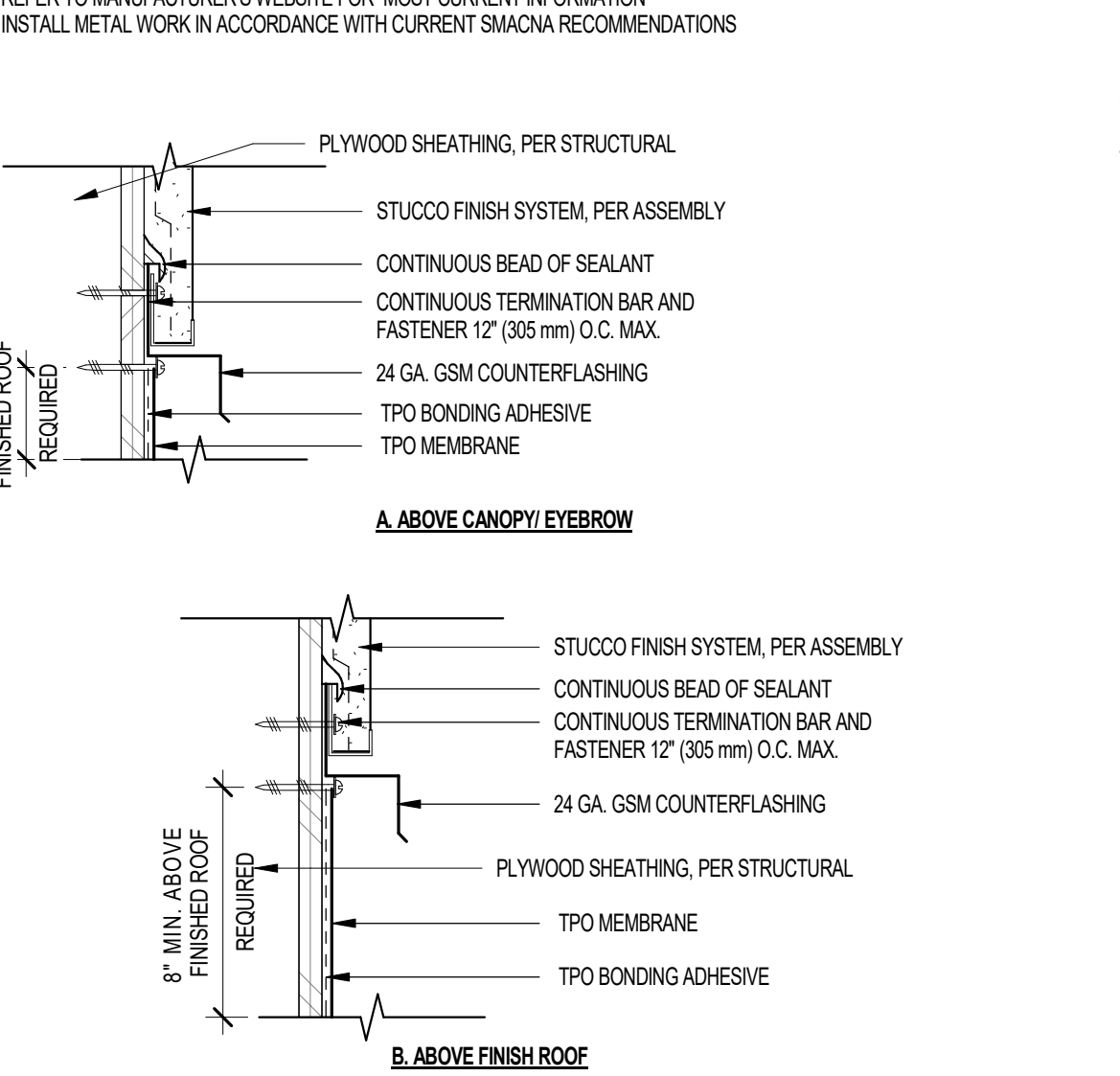
18 TPO ROOFING SYSTEM WALKWAY PAD
FIRESTONE NO. UT-M-1
SCALE: 3/8" = 1'-0"



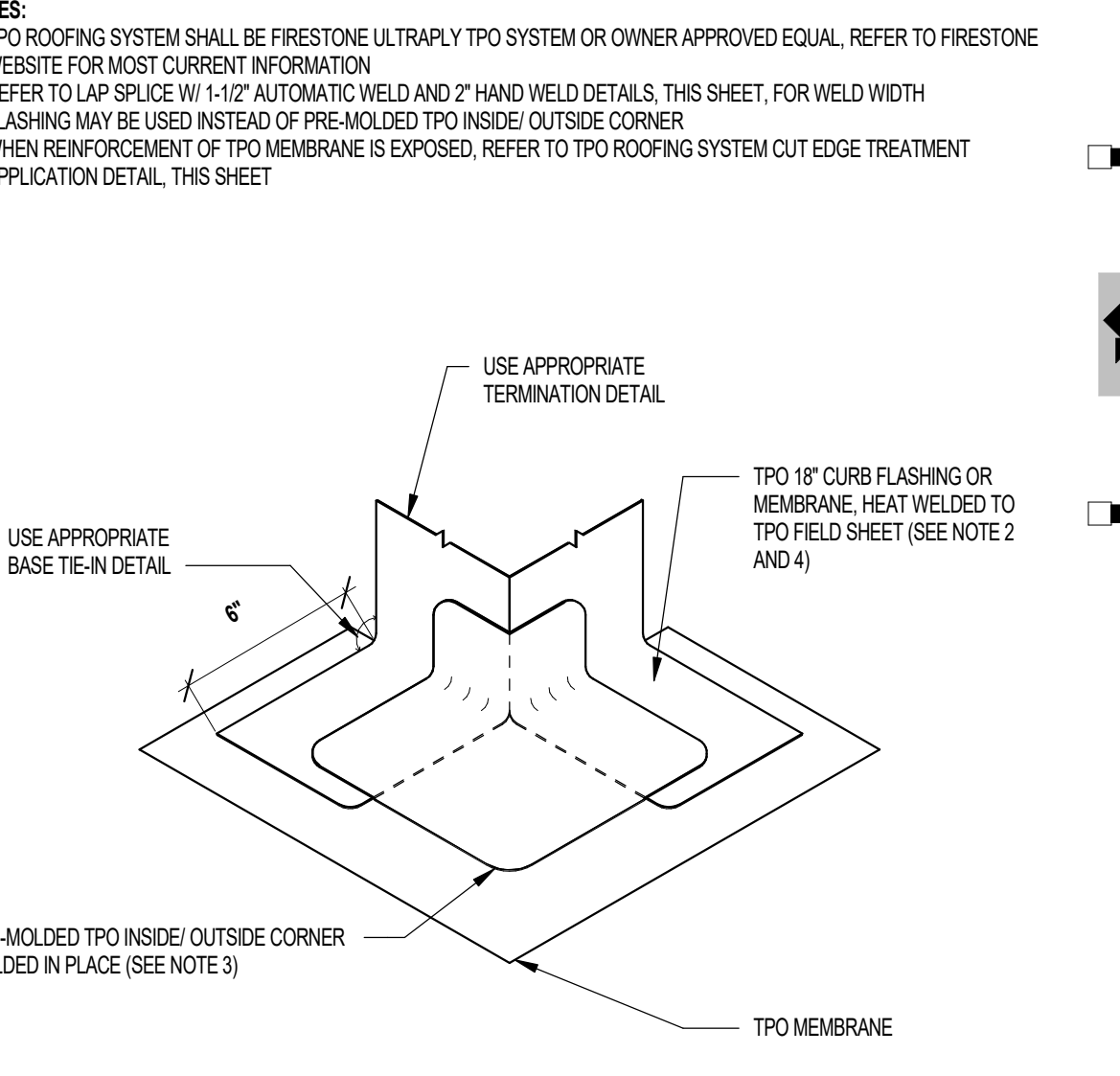
14 LAP SPLICE WITH 2" HAND WELD
SCALE: 6/8" = 1'-0"



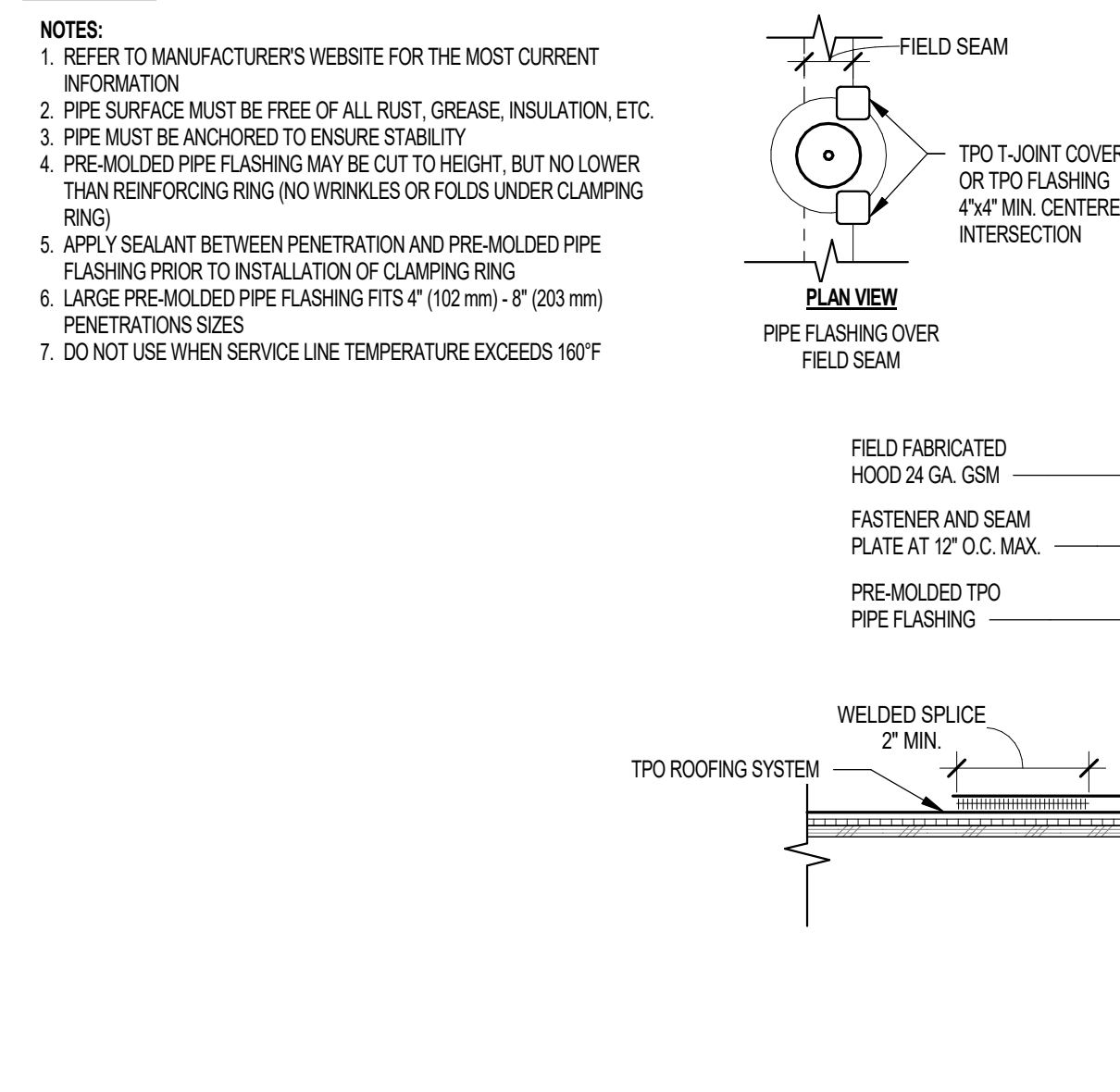
10 TPO ROOFING SYSTEM LAP SPLICE WITH 1-1/2" AUTOMATIC WELDER
FIRESTONE NO. UT-LS-1
SCALE: 6/8" = 1'-0"



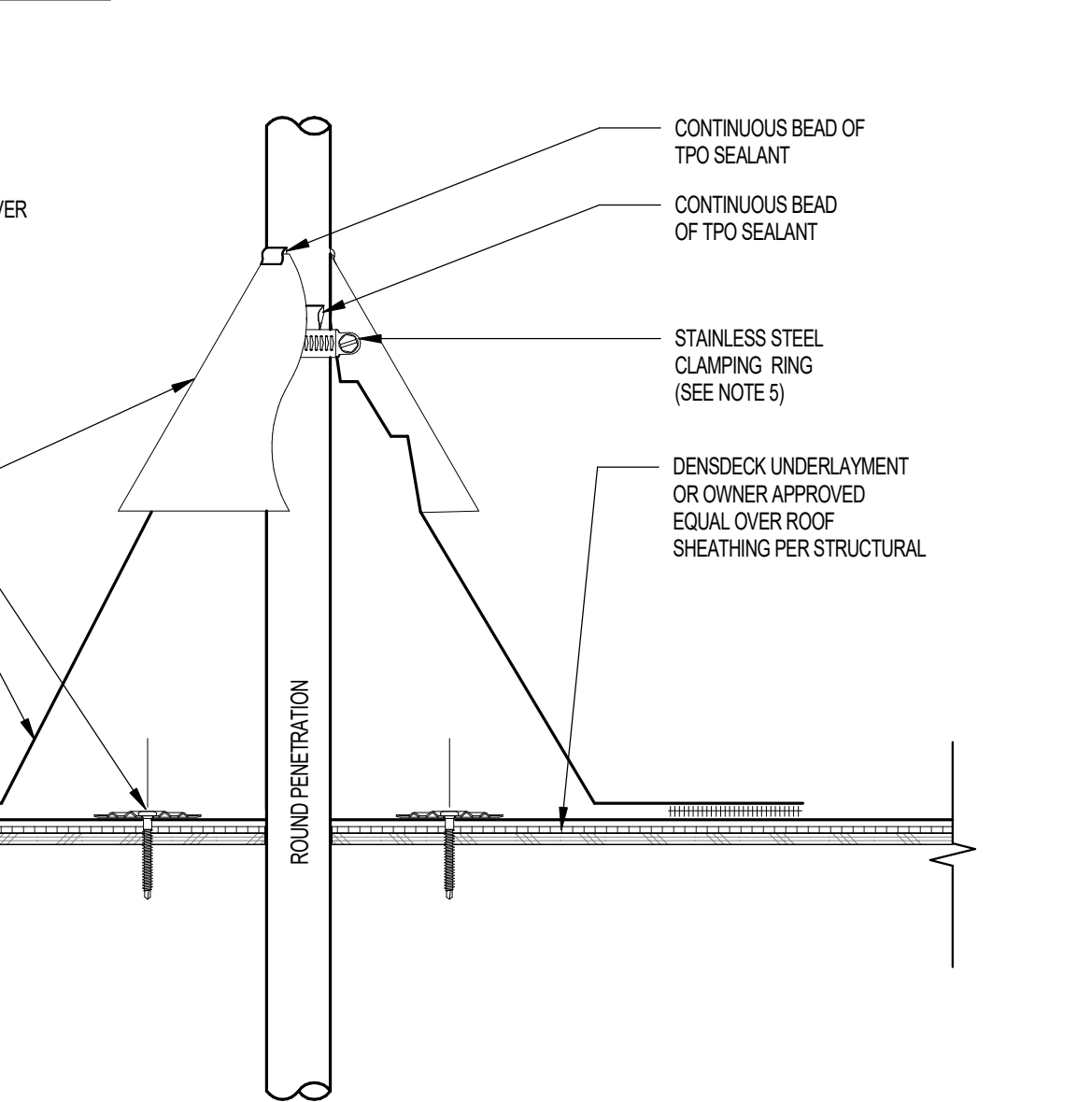
06 TPO ROOFING SYSTEM TERMINATION AT STUCCO SYSTEM
FIRESTONE NO. UT-1-7
SCALE: 3/8" = 1'-0"



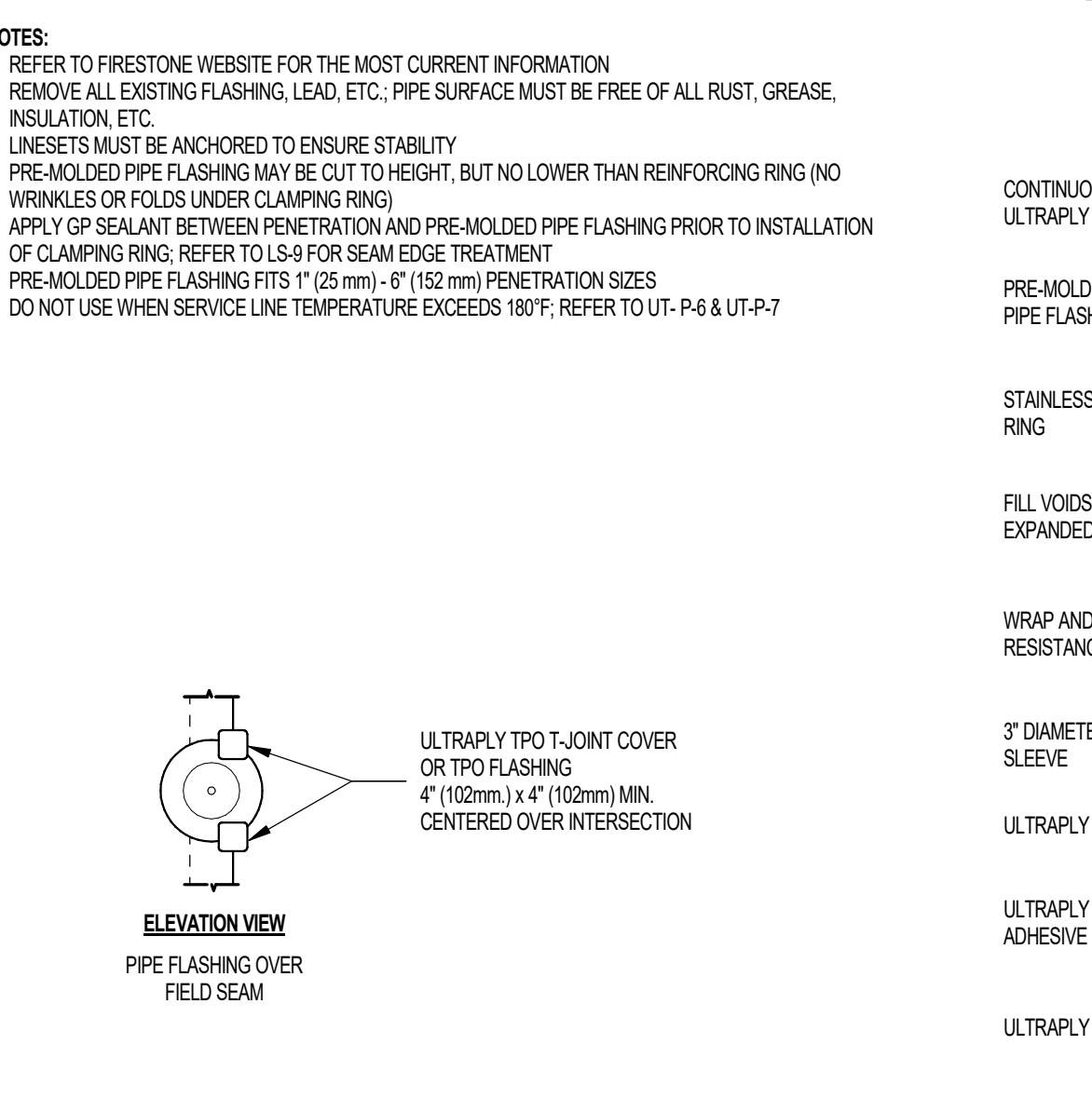
02 TPO ROOFING SYSTEM OUTSIDE CORNER
FIRESTONE NO. UT-C-7
SCALE: 3/8" = 1'-0"



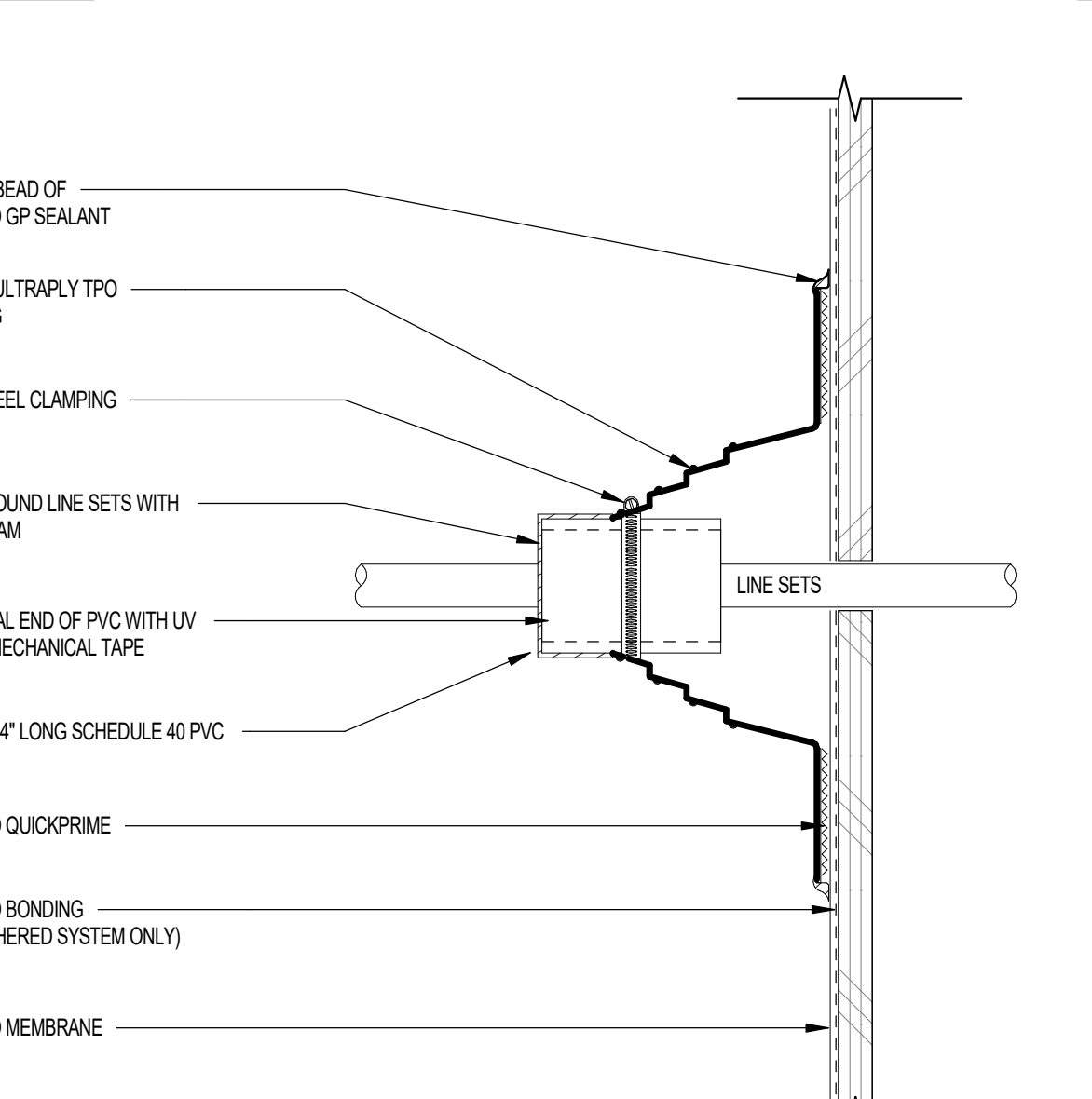
23 TPO ROOFING SYSTEM FLASHING AT SMALL PIPE PENETRATION
REFERENCE FIRESTONE DETAIL UT-P-2
SCALE: 1" = 1'-0"



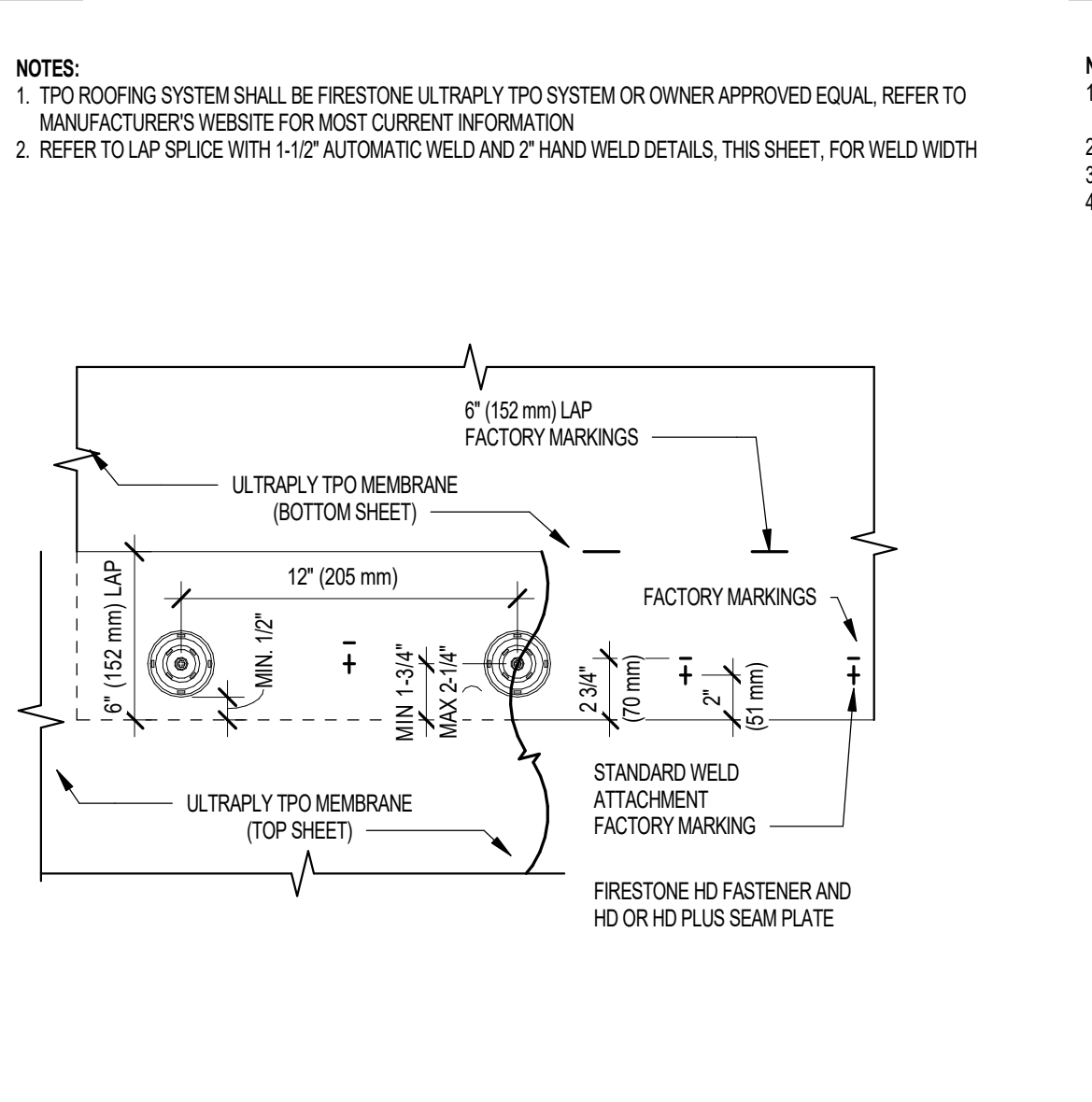
14 LAP SPLICE WITH 2" HAND WELD
SCALE: 6/8" = 1'-0"



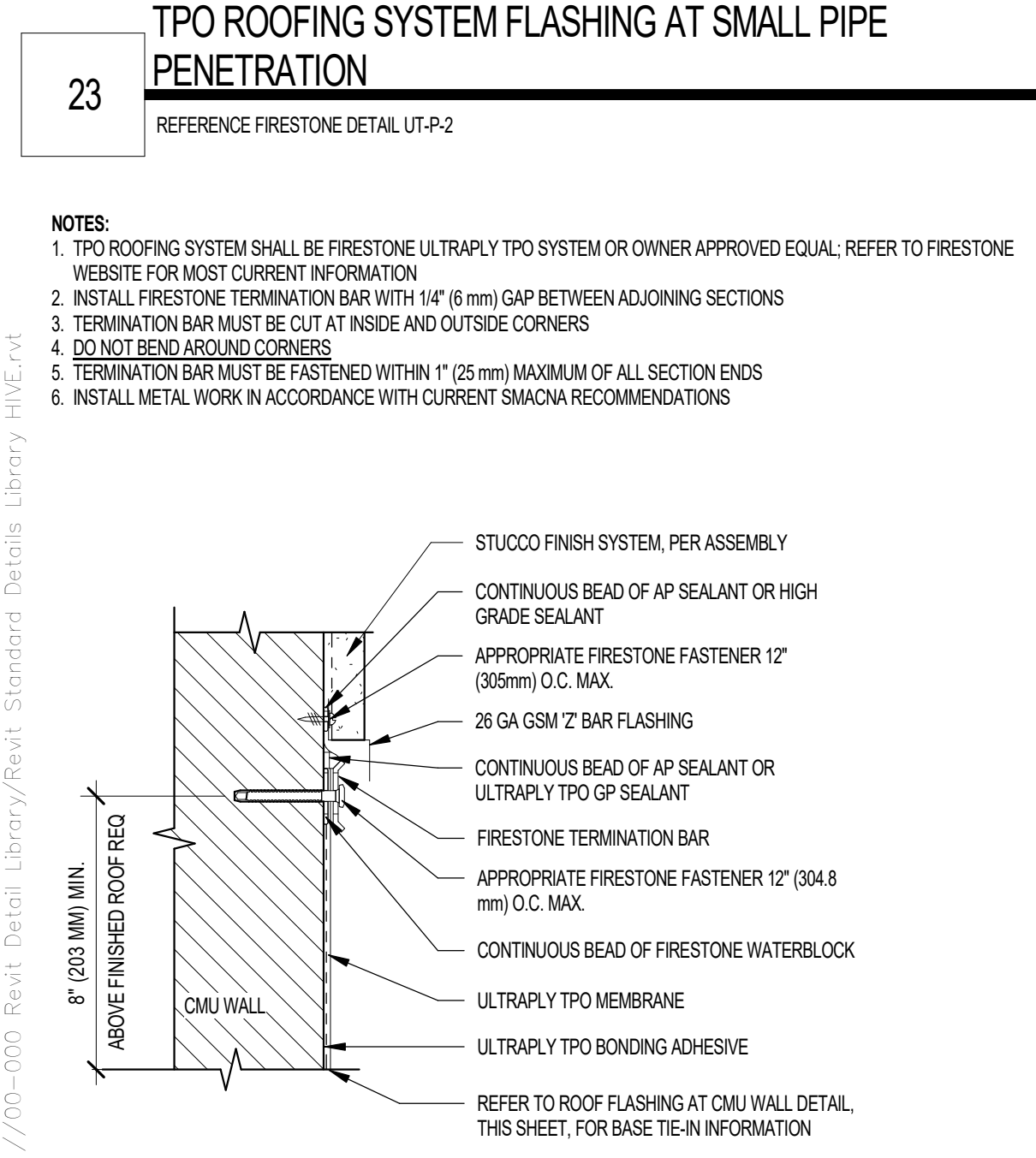
10 TPO ROOFING SYSTEM LAP SPLICE WITH 1-1/2" AUTOMATIC WELDER
SCALE: 6/8" = 1'-0"



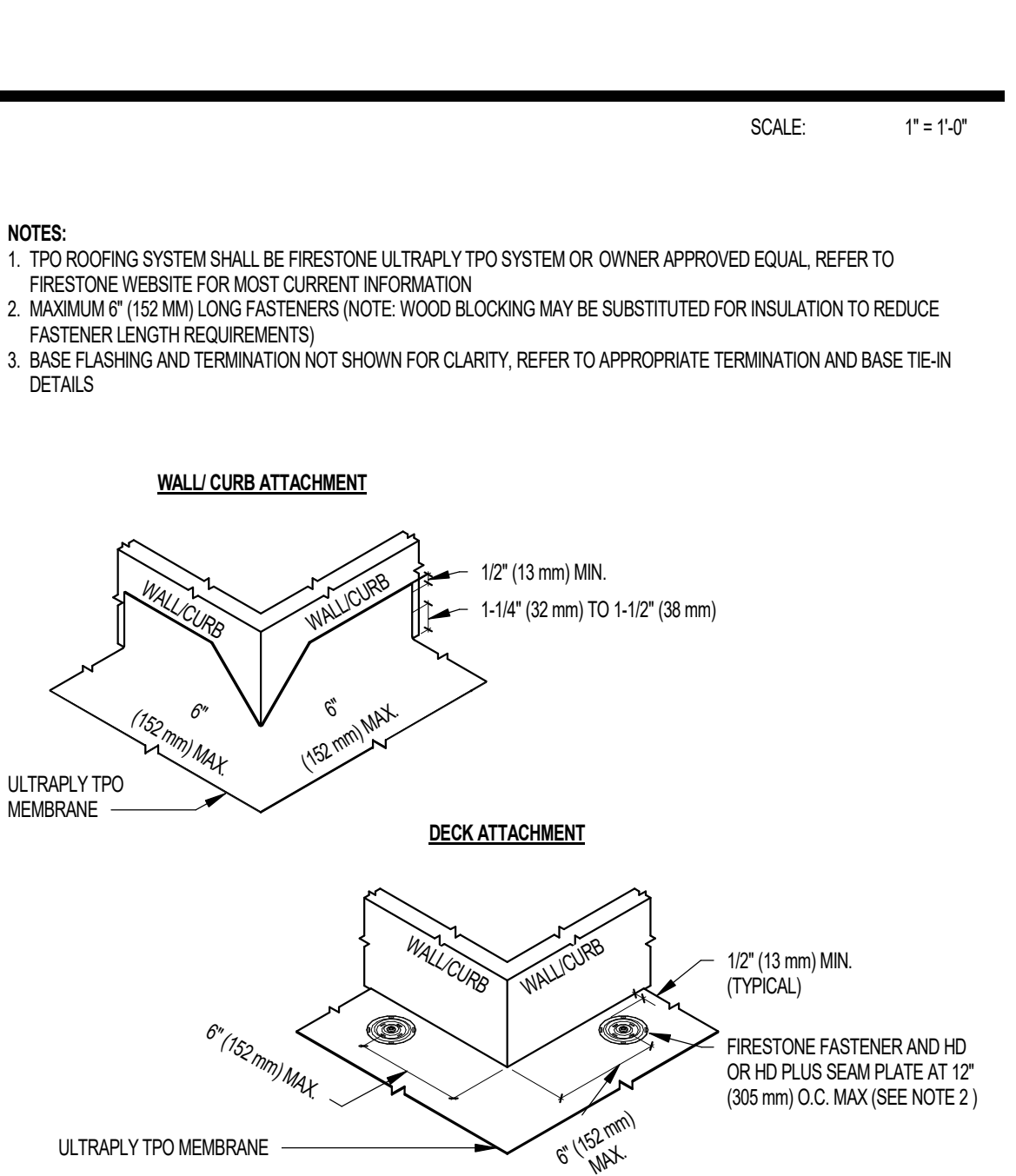
06 TPO ROOFING SYSTEM TERMINATION AT STUCCO SYSTEM
SCALE: 3/8" = 1'-0"



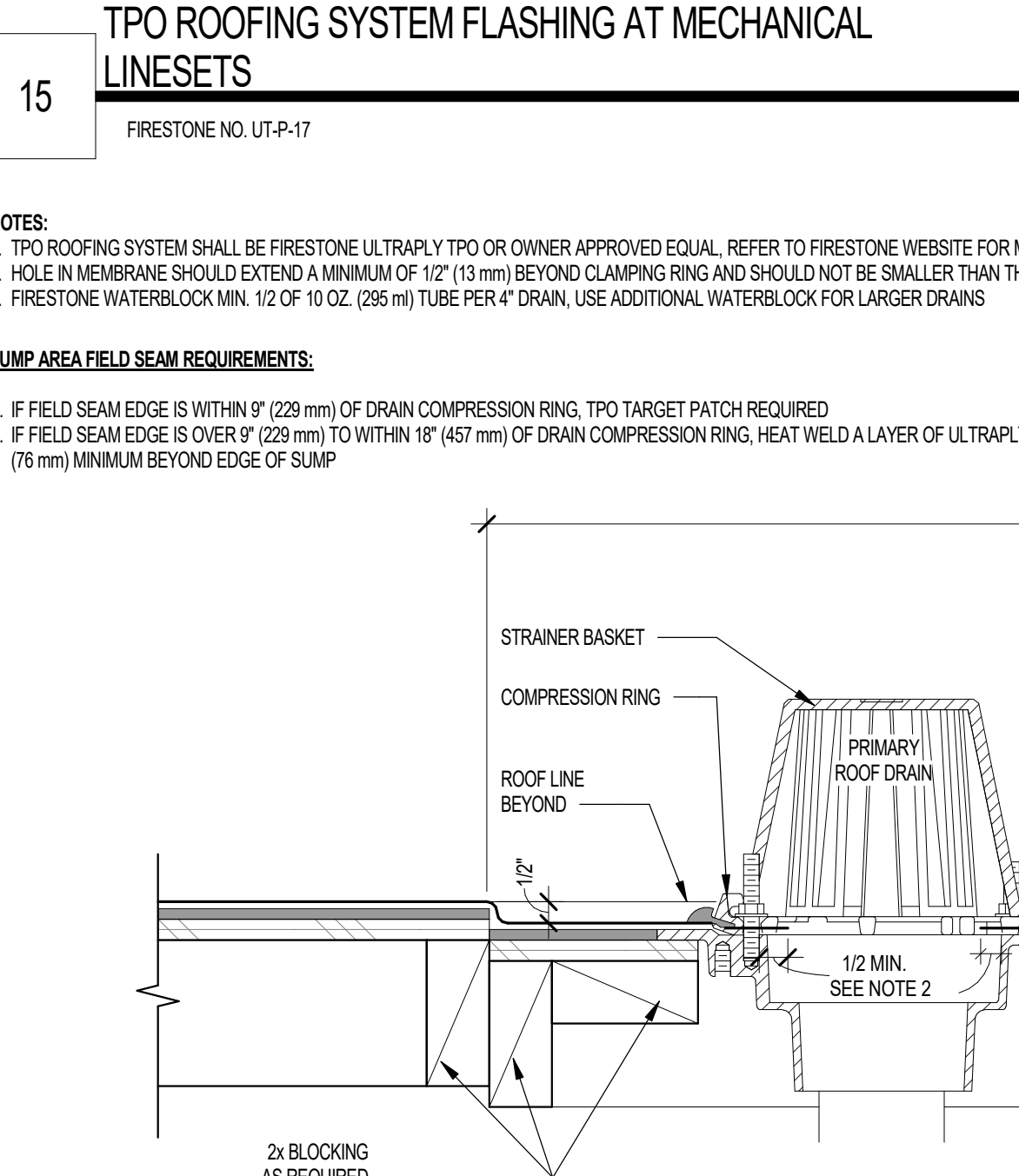
02 TPO ROOFING SYSTEM OUTSIDE CORNER
SCALE: 3/8" = 1'-0"



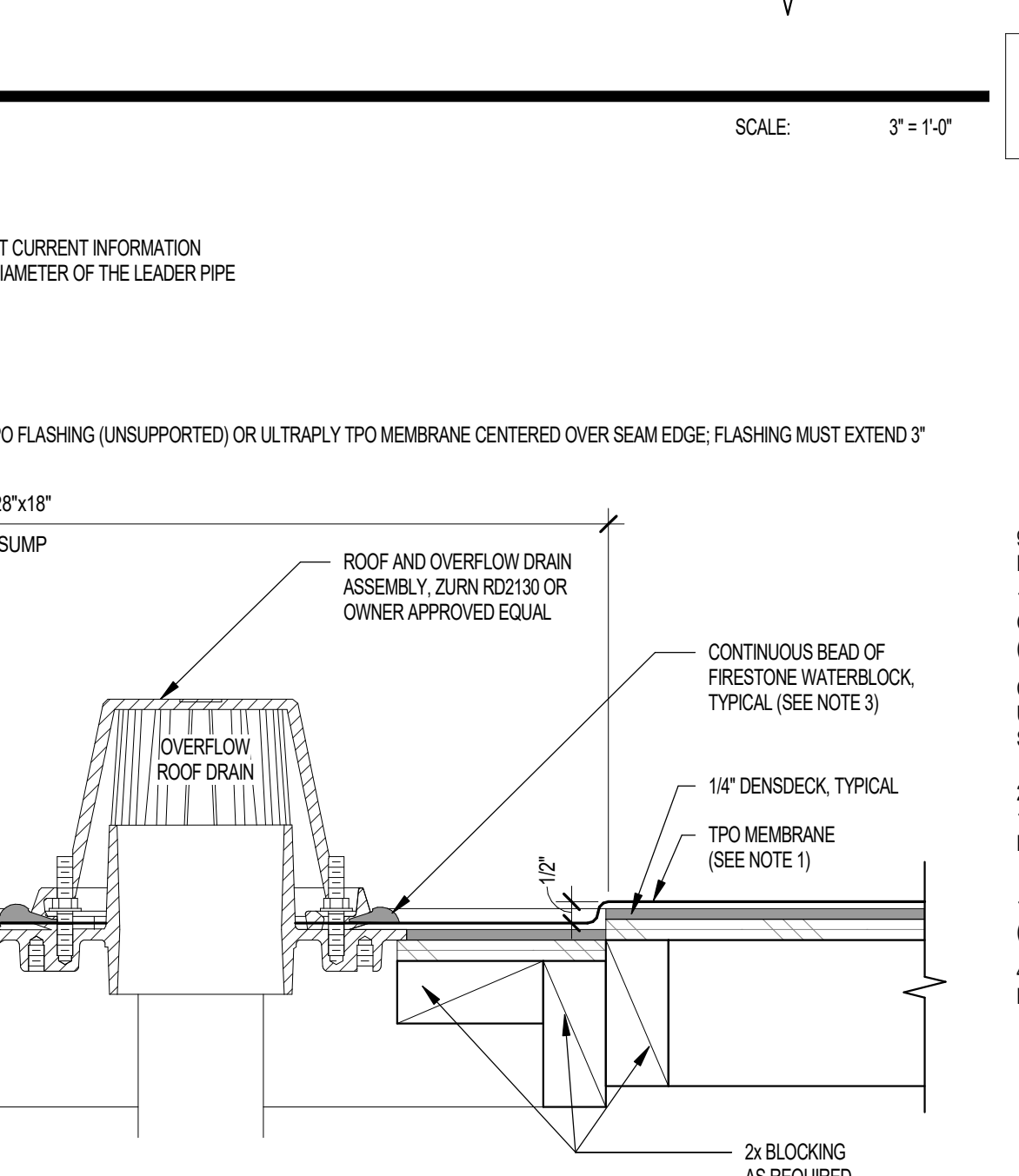
15 TPO ROOFING SYSTEM FLASHING AT MECHANICAL LINESETS
SCALE: 1" = 1'-0"



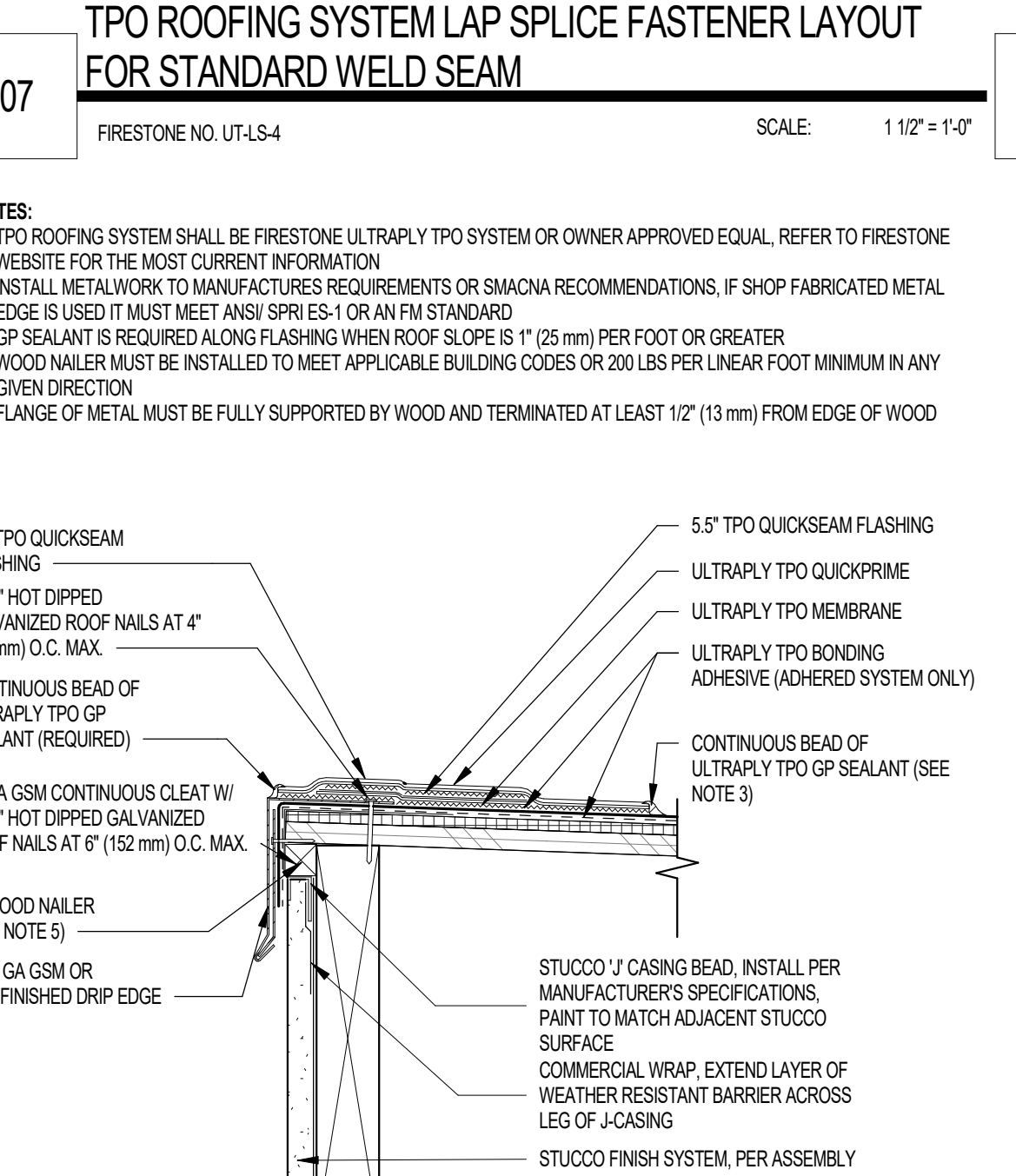
07 TPO ROOFING SYSTEM LAP SPLICE FASTENER LAYOUT FOR STANDARD WELD SEAM
SCALE: 1/12" = 1'-0"



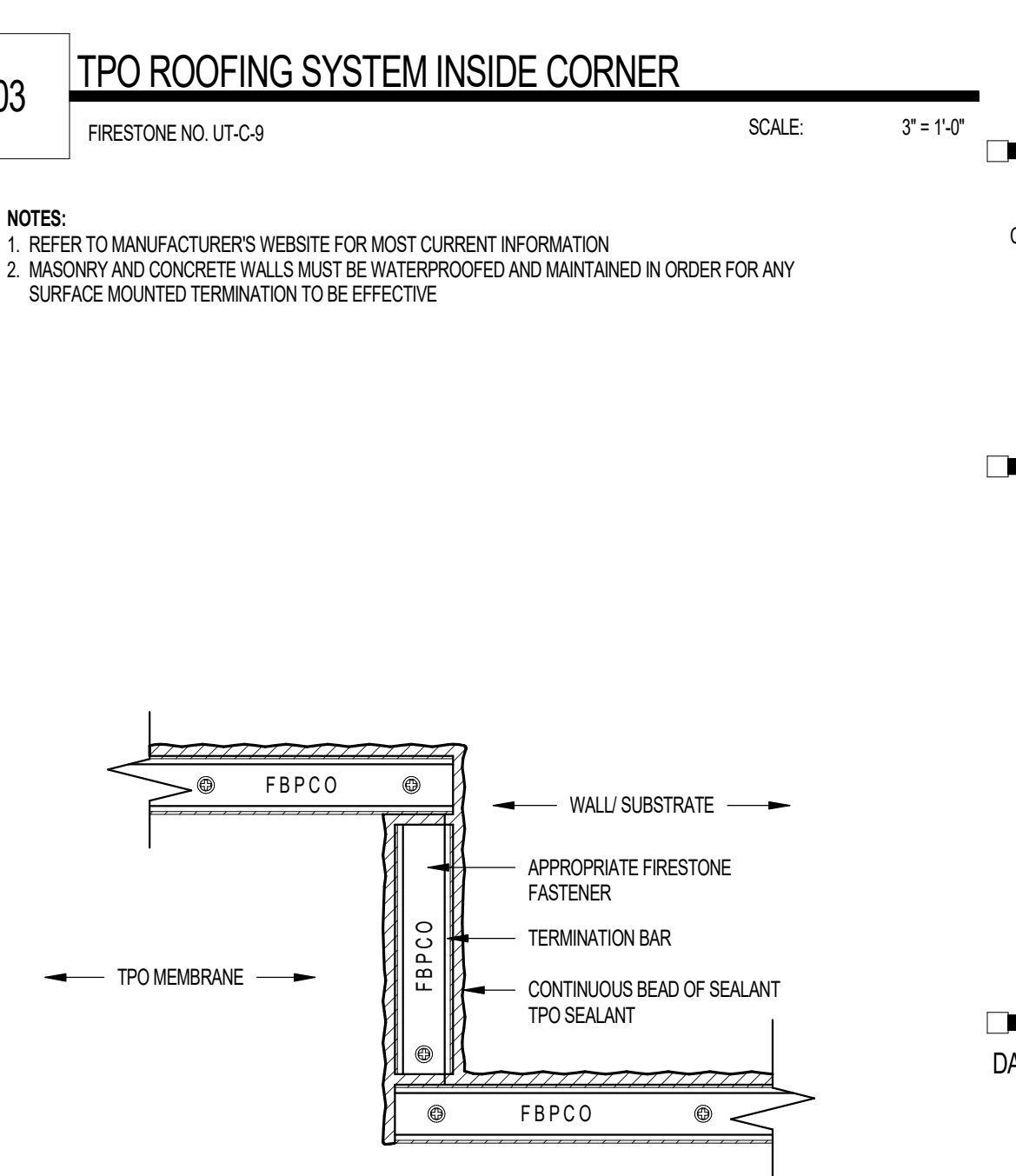
03 TPO ROOFING SYSTEM INSIDE CORNER
SCALE: 3/8" = 1'-0"



24 TPO ROOFING SYSTEM SURFACE MOUNTED COUNTERFLASHING AND TERMINATION BAR
SCALE: 3/8" = 1'-0"



20 MEMBRANE SECUREMENT AT OUISIDER CORNER
SCALE: 1/12" = 1'-0"



16 TPO ROOFING SYSTEM AT ROOF AND OVERFLOWS DRAINS
SCALE: 3/8" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State
Office of Rich Barber
ORB
Architecture, LLC
WorldHQ@ORBArch.com

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Revisions/ Submittals Table

REVISIONS/ SUBMITTALS	DATE	DESCRIPTION

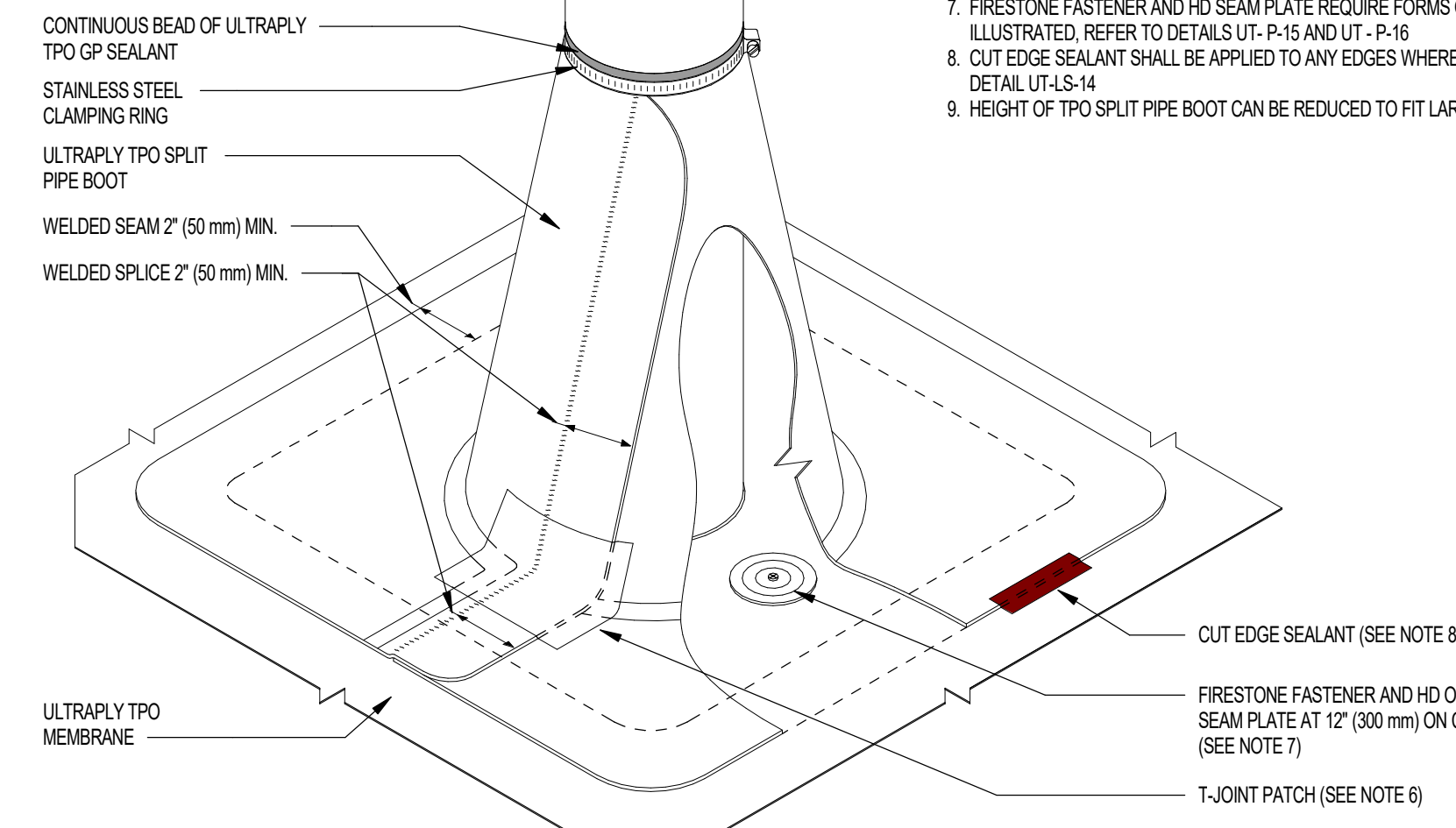
Contractor must verify all dimensions of project before proceeding with this work.

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.4.70

TPO ROOFING DETAILS

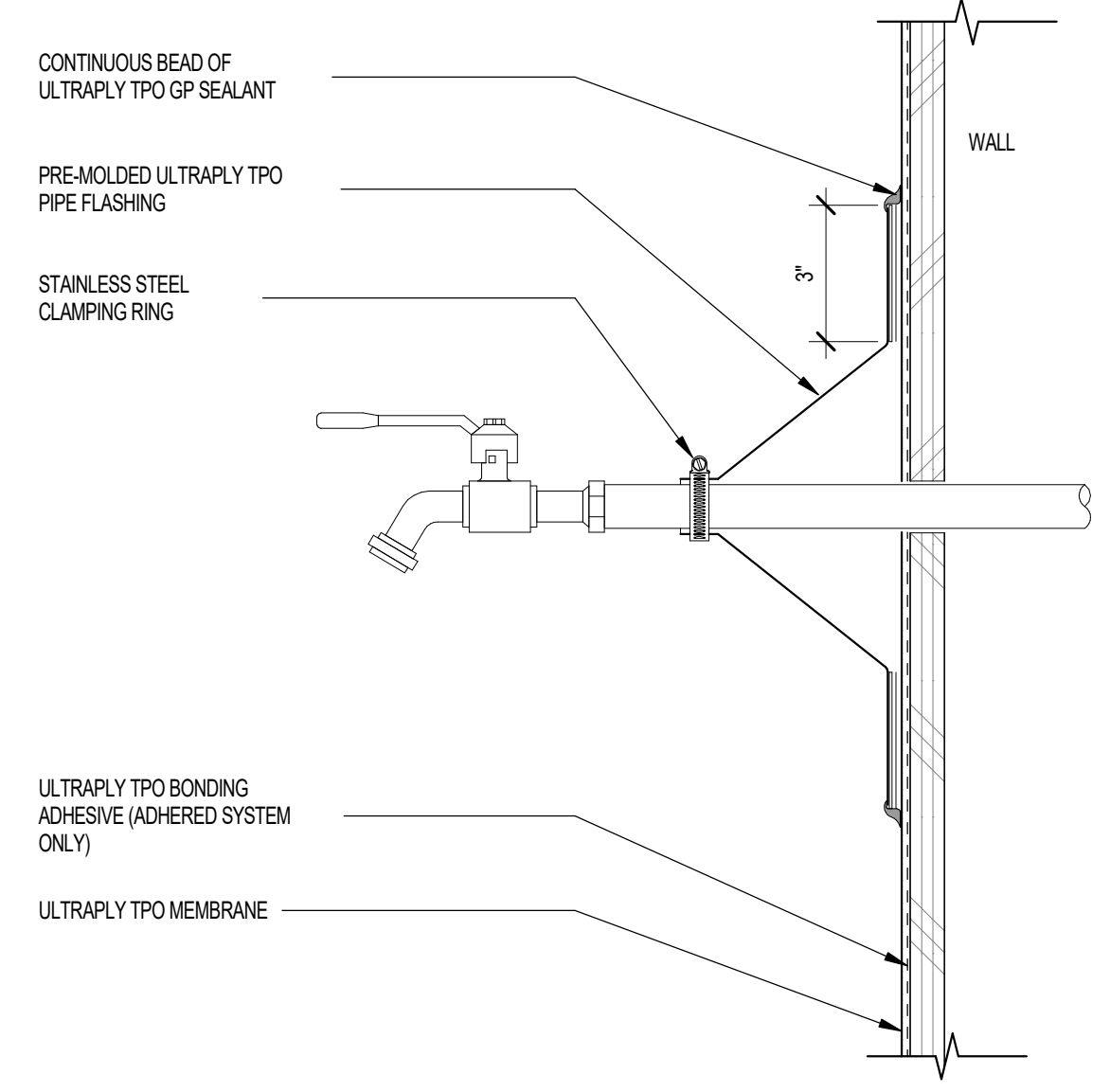
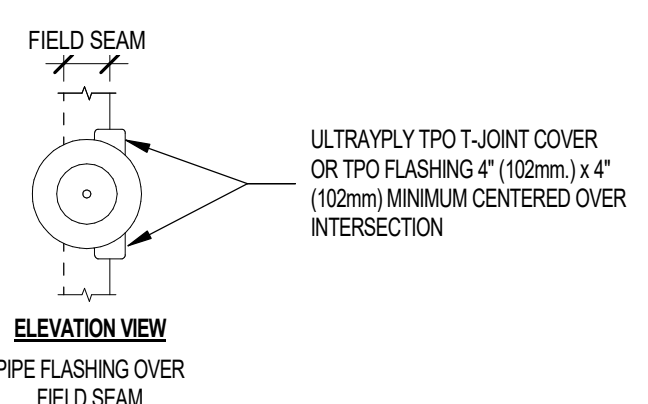
SIZE TABLE			
SIZE	OUTSIDE DIAMETER OF PIPE		STARTING HEIGHT
SMALL	1.0" to 3.0"	(25mm to 76mm)	9.0" (229 mm)
MEDIUM	3.0" to 5.0"	(76mm to 140mm)	8.5" (216 mm)
LARGE	5.0" to 8.0"	(140mm to 203mm)	8.0" (203 mm)



- NOTES:**
1. REFER TO FIRESTONE WEBSITE FOR THE MOST CURRENT INFORMATION
 2. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
 3. PIPE MUST BE ANCHORED TO ENSURE STABILITY
 4. NO WRINKLES OR FOLDS UNDER CLAMPING RING
 5. DO NOT USE WHEN SERVICE LINE TEMPERATURE EXCEEDS 180°F. REFER TO UT-P-6 AND UT-P-7
 6. T-JOINT PATCH REQUIRED AT ALL VERTICAL TRANSITIONS ON NON-FACTORY WELDS
 7. FIRESTONE FASTENER AND HD SEAM PLATE REQUIRE FORMS ONLY IF FASTENER CANNOT BE INSTALLED AS ILLUSTRATED. REFER TO DETAILS UT-P-15 AND UT-P-16
 8. CUT EDGE SEALANT SHALL BE APPLIED TO ANY EDGES WHERE SCRM REINFORCEMENT IS EXPOSED PER DETAIL UT-S-14
 9. HEIGHT OF TPO SPLIT PIPE BOOT CAN BE REDUCED TO FIT LARGER DIAMETER PIPES. (REFER TO SIZE TABLE)

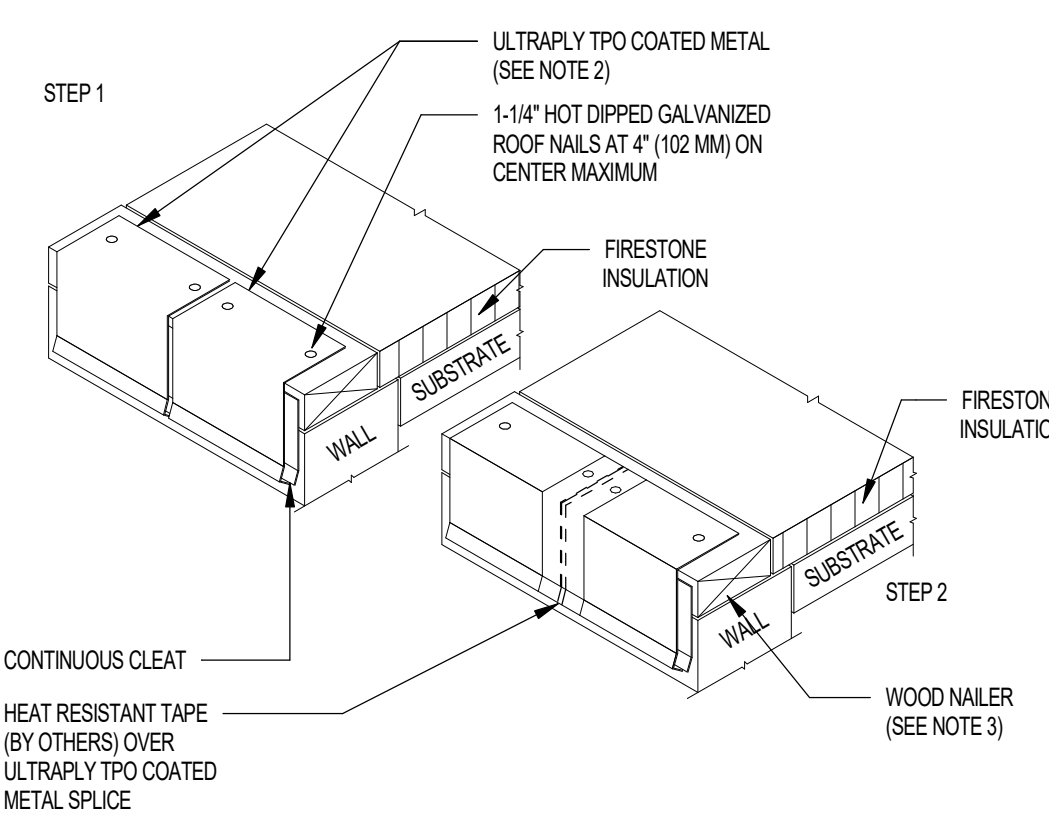
29 ROUND PENETRATION WITH ULTRAPLY TPO PIPE BOOT
 FIRESTONE NO. UT-P-21 SCALE: 1 1/2" = 1'-0"

- NOTES:**
1. REFER TO FIRESTONE WEBSITE FOR THE MOST CURRENT INFORMATION
 2. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
 3. PIPE MUST BE ANCHORED TO ENSURE STABILITY
 4. PRE-MOLDED PIPE FLASHING MAY BE CUT TO HEIGHT, BUT NO LOWER THAN REINFORCING RING (NO WRINKLES OR FOLDS UNDER CLAMPING RING)
 5. APPLY GP SEALANT BETWEEN PENETRATION AND PRE-MOLDED PIPE FLASHING PRIOR TO INSTALLATION OF CLAMPING RING. REFER TO S-9 FOR SEAM EDGE TREATMENT
 6. LARGE PRE-MOLDED PIPE FLASHING FITS 4" (102 mm) - 8" (203 mm) PENETRATION SIZES
 7. DO NOT USE WHEN SERVICE LINE TEMPERATURE EXCEEDS 180°F. REFER TO UT-P-6 AND UT-P-7
 8. FIRESTONE FASTENER AND HD SEAM PLATE REQUIRE FORMS ONLY IF FASTENER CANNOT BE INSTALLED AS ILLUSTRATED. REFER TO DETAILS UT-P-15 & UT-P-16



30 TPO ROOFING SYSTEM AT HOSE BIBB PENETRATION AT WALL
 FIRESTONE NO. UT-P-2 SCALE: 3" = 1'-0"

- NOTES:**
1. REFER TO FIRESTONE WEBSITE FOR THE MOST CURRENT INFORMATION
 2. INSTALL METAL WORK TO SMCMA RECOMMENDATIONS, IF SHOP FABRICATED
 3. METAL EDGE IS USED IT MUST MEET ANSI S100.1 OR AN FM STANDARD
 4. WOOD NAILER MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION



Notice of alternate billing (or payment) cycle
 This contract allows (they allow) the owner to request the admission of billing or advance to billing cycle after the first cycle. This contract shall allow the owner to request an alternate billing schedule after certification and approval of billing and contract. A further decision of such other billing cycle applies to the project as available from the owner or the owner's design agent at

CLIENT NAME
 CLIENT ADDRESS
 CLIENT PHONE NUMBER
 and the owner or its design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

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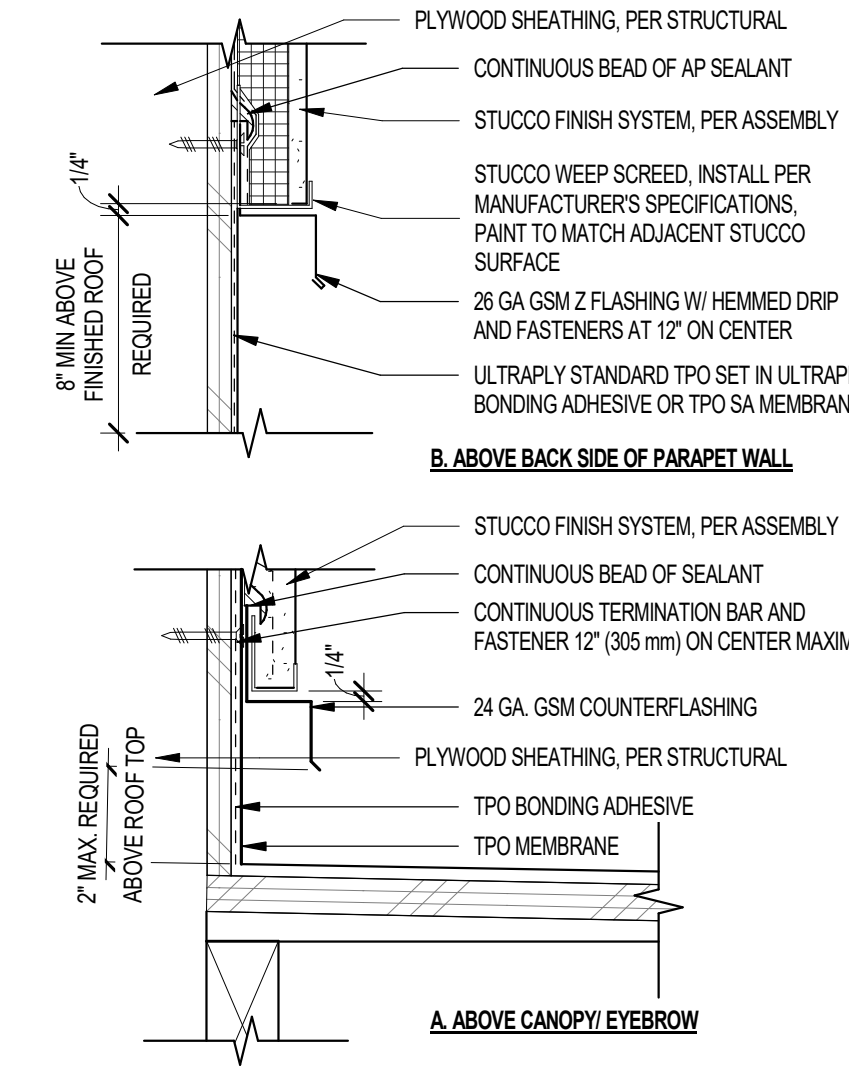
REVISIONS/SUBMITTALS	
DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

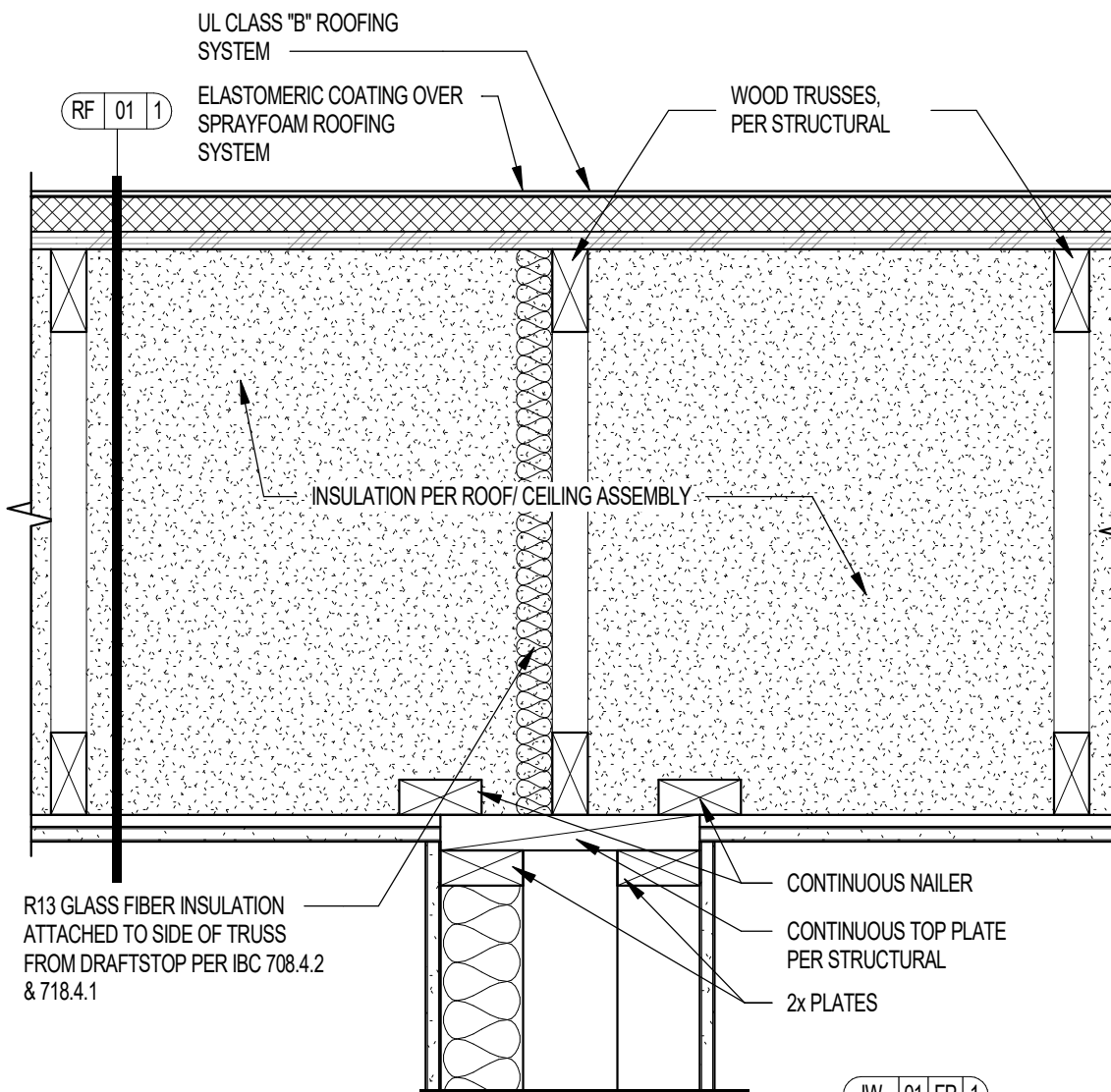
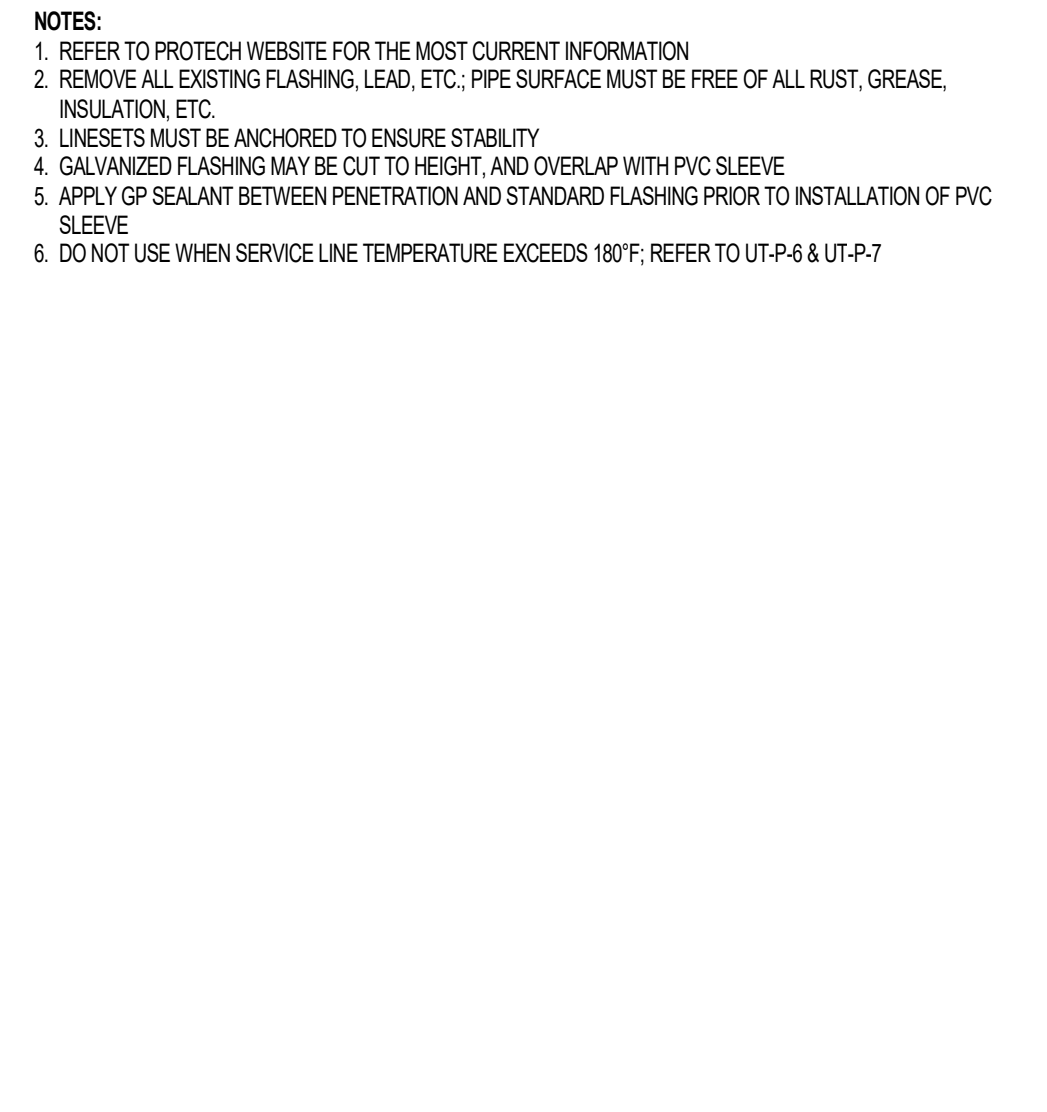
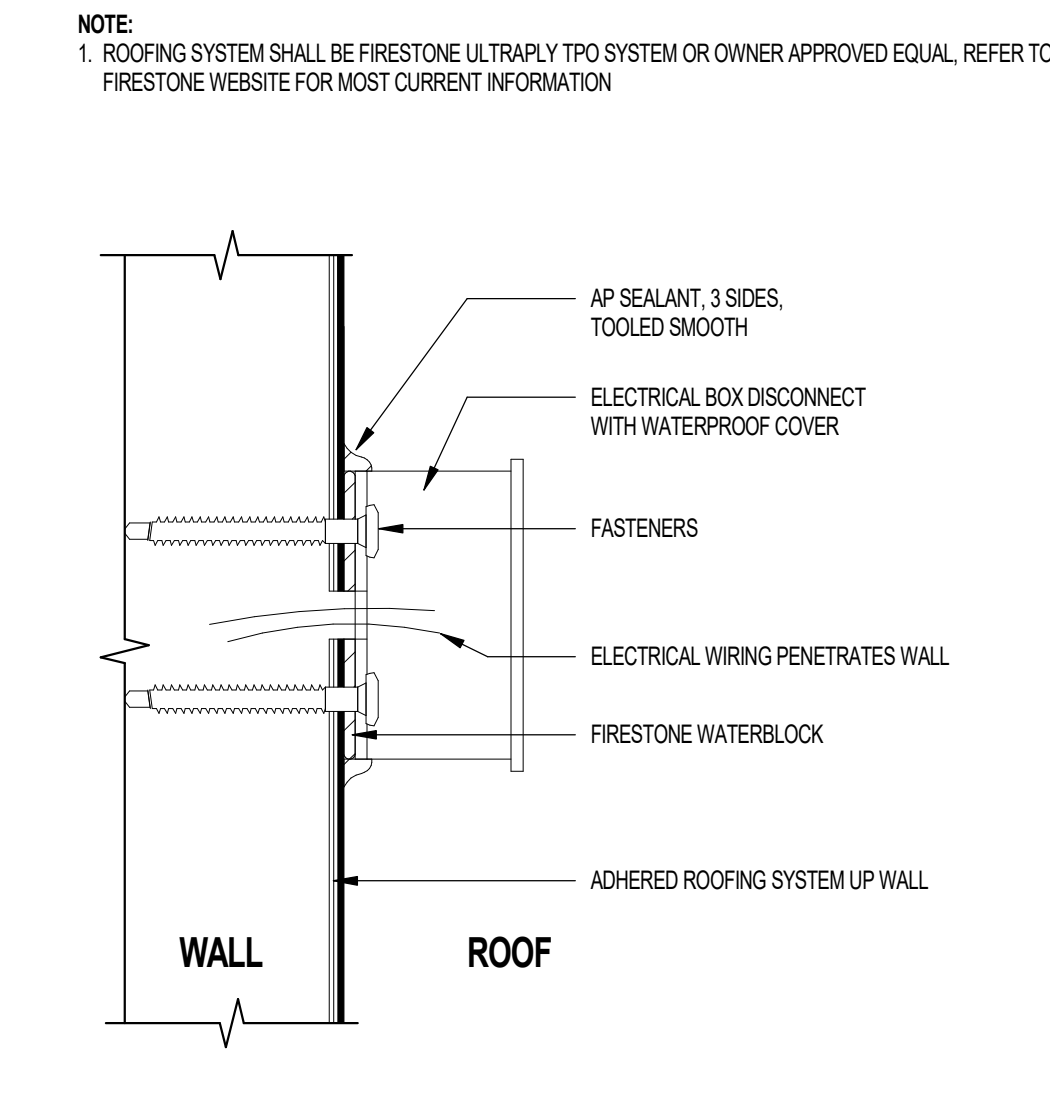
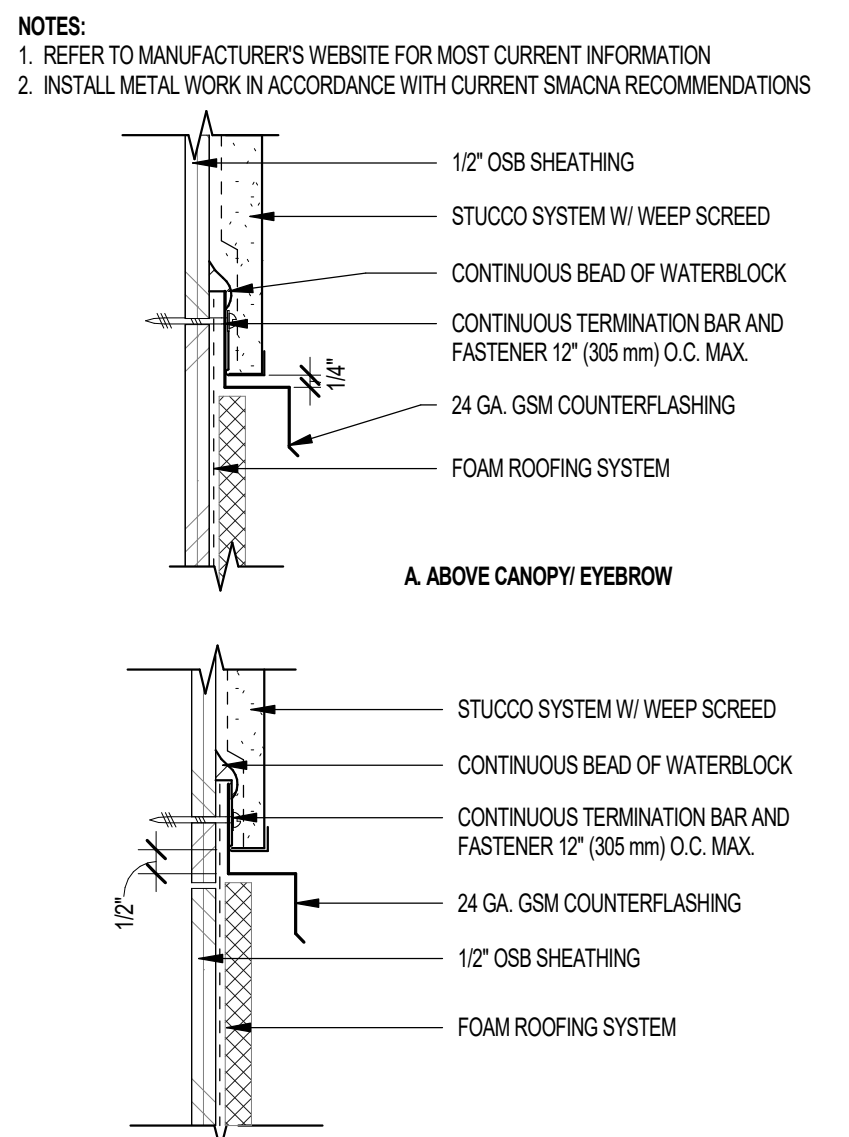
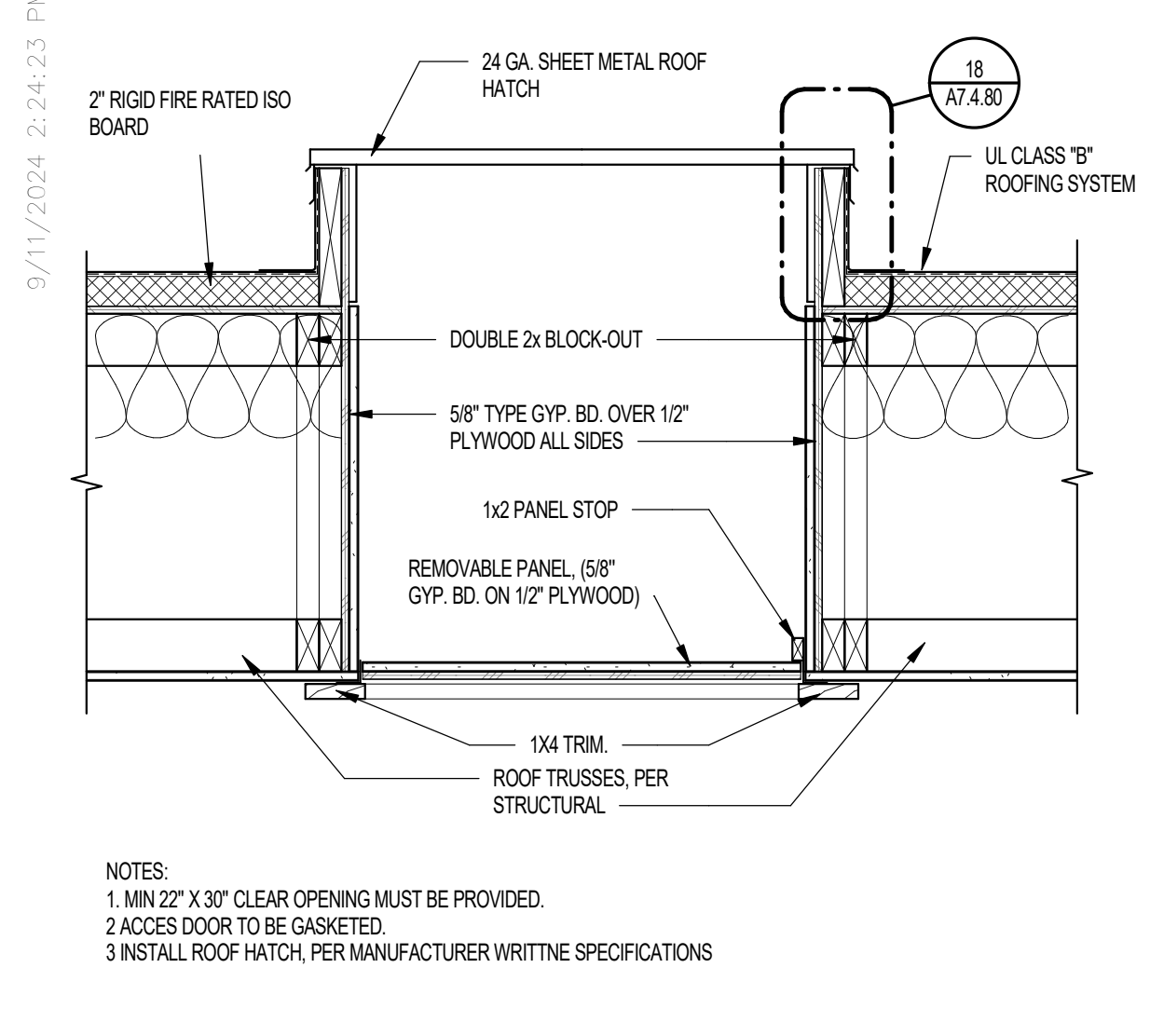
A7.4.71
 TPO ROOFING DETAILS

27 ROOF EDGE SPlice W/ ULTRAPLY TPO COATED
 FIRESTONE NO. UT-RE-28a SCALE: 3" = 1'-0"

- NOTES:**
1. REFER TO MANUFACTURER'S WEBSITE FOR MOST CURRENT INFORMATION
 2. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SMCMA RECOMMENDATIONS



28 TPO ROOFING SYSTEM TERMINATION AT STUCCO SYSTEM
 FIRESTONE NO. UT-T-7 SCALE: 3" = 1'-0"



21 ROOF HATCH AT CARRIAGE BUILDING SCALE: 1" = 1'-0"

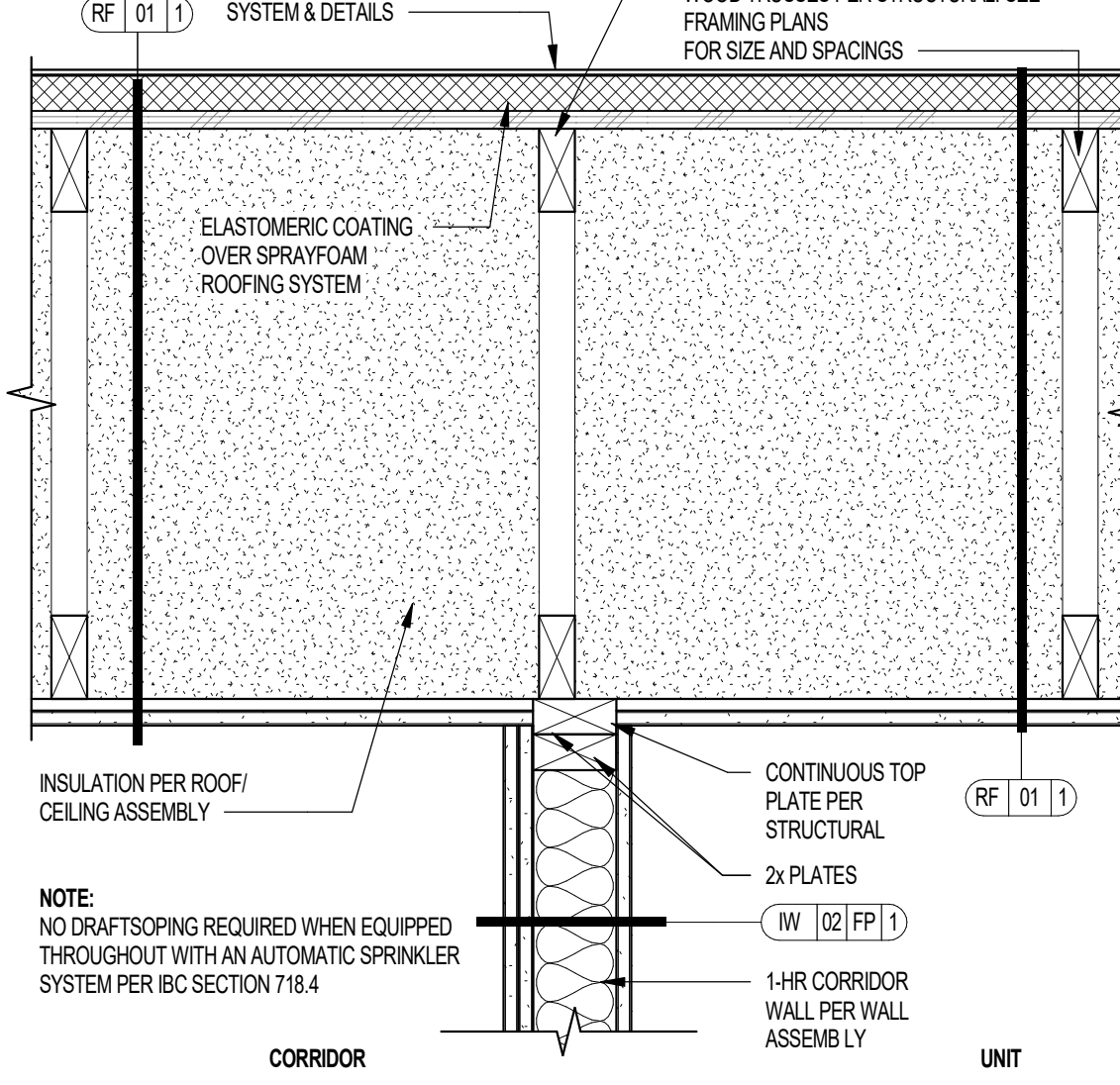
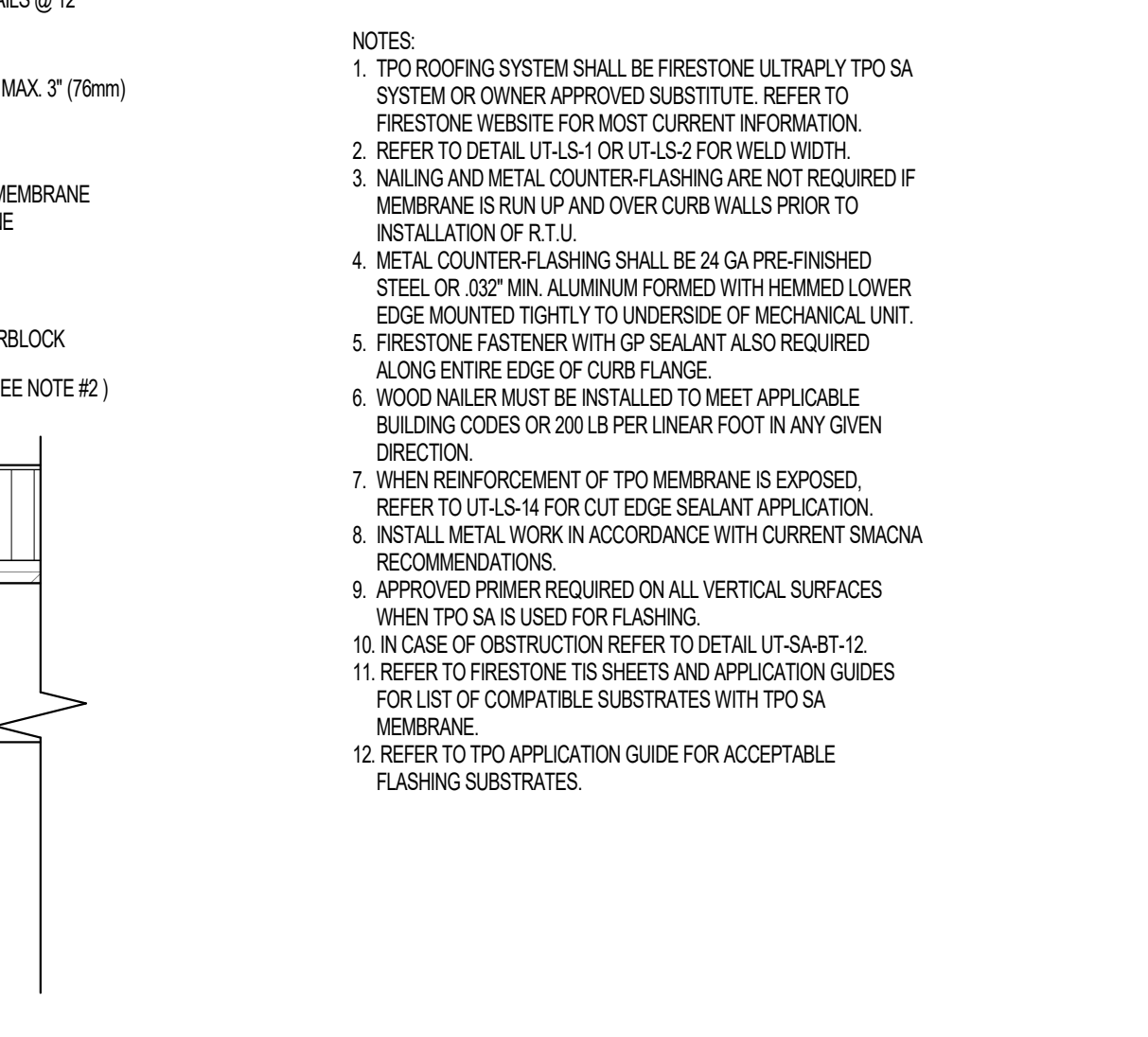
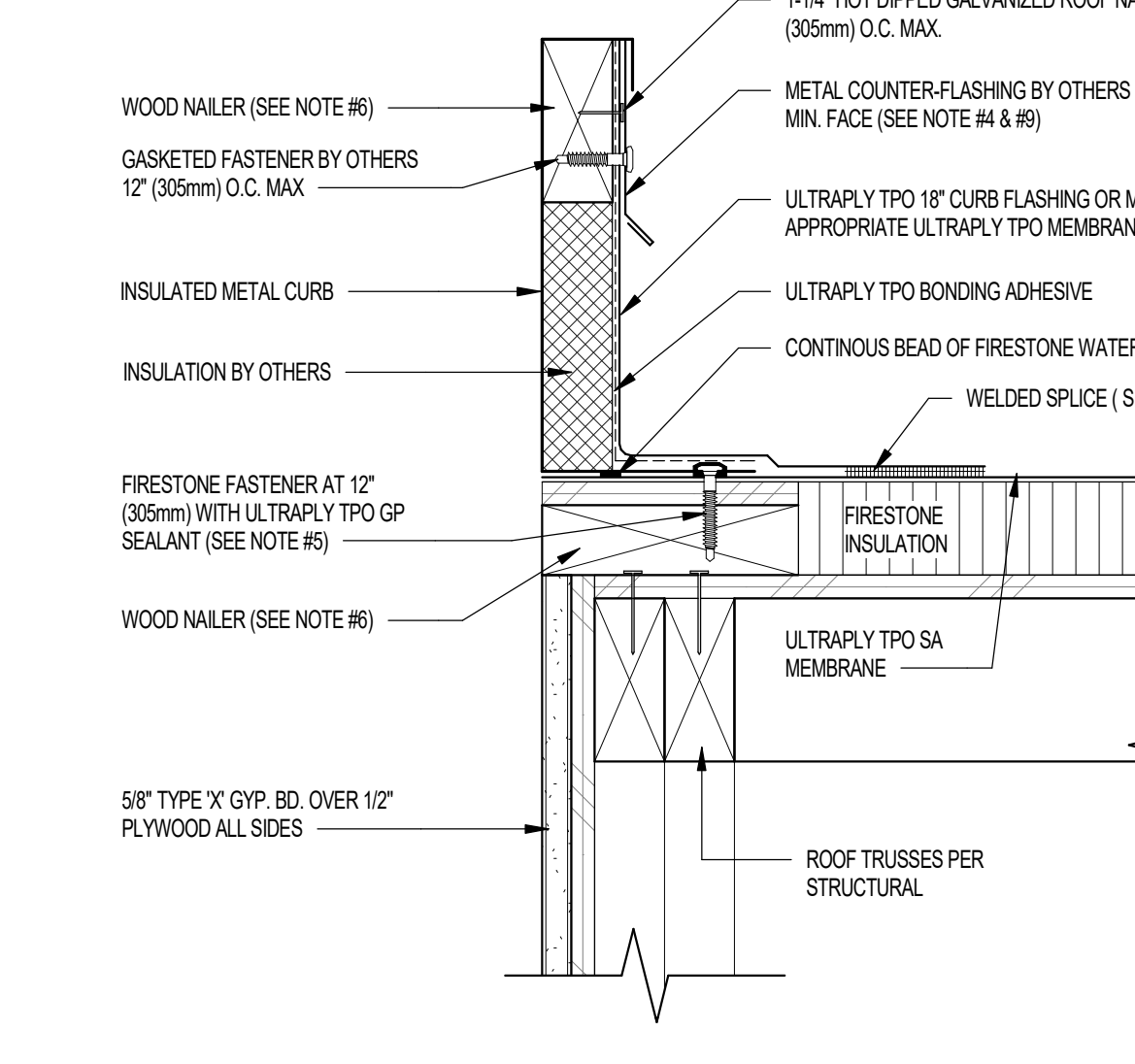
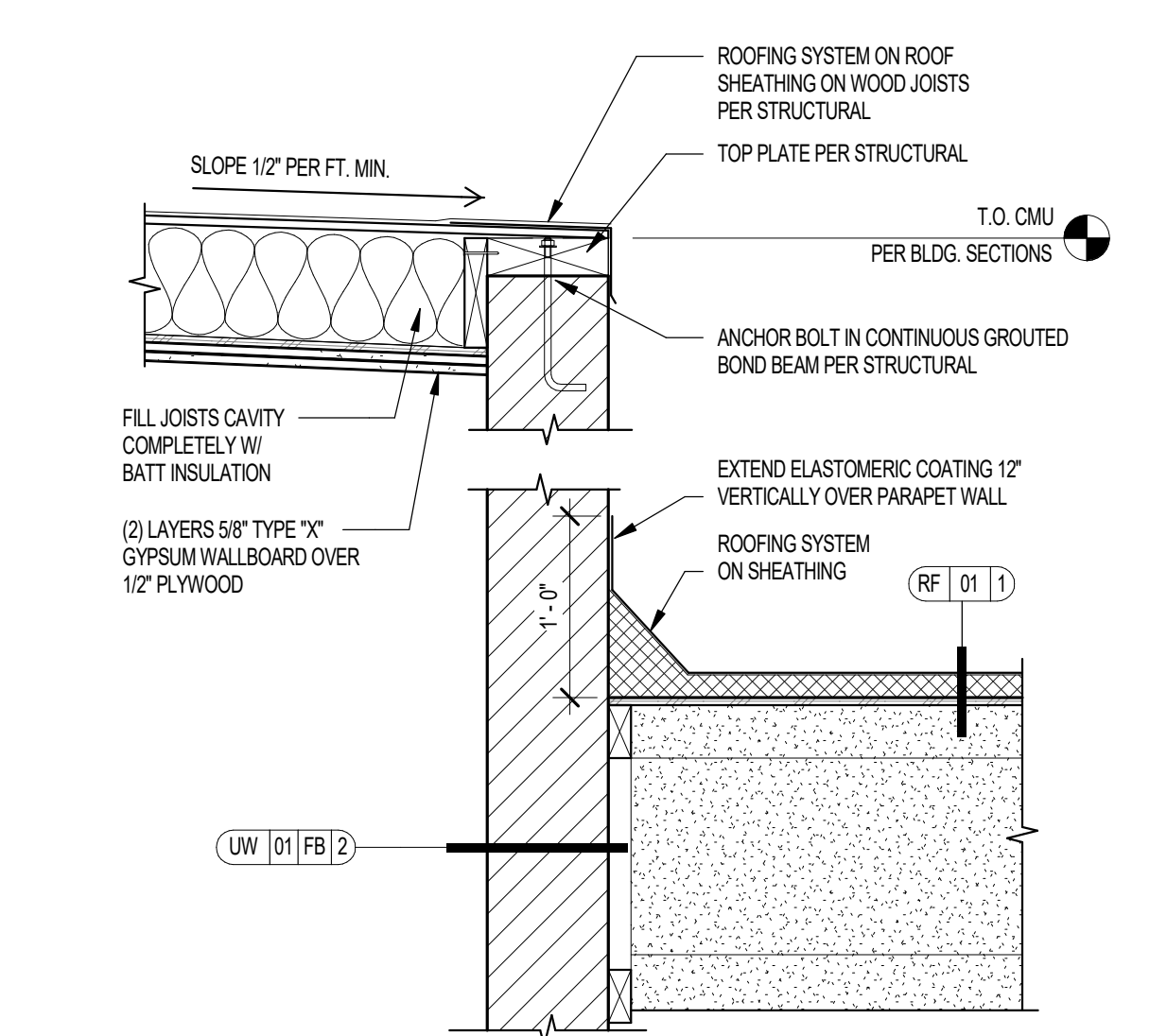
17 FOAM ROOFING SYSTEM TERMINATION AT STUCCO SYSTEM SCALE: 3" = 1'-0"

13 WALL MOUNTED A/C ELECTRICAL BOX DISCONNECT SCALE: 6" = 1'-0"

09 ROOFING SYSTEM FLASHING AT MECHANICAL LINESETS SCALE: 3" = 1'-0"

01 1-HR UNIT SEPARATION WALL AT 1-HR ROOF/CEILING SCALE: 1 1/2" = 1'-0"

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CONSTRUCTION

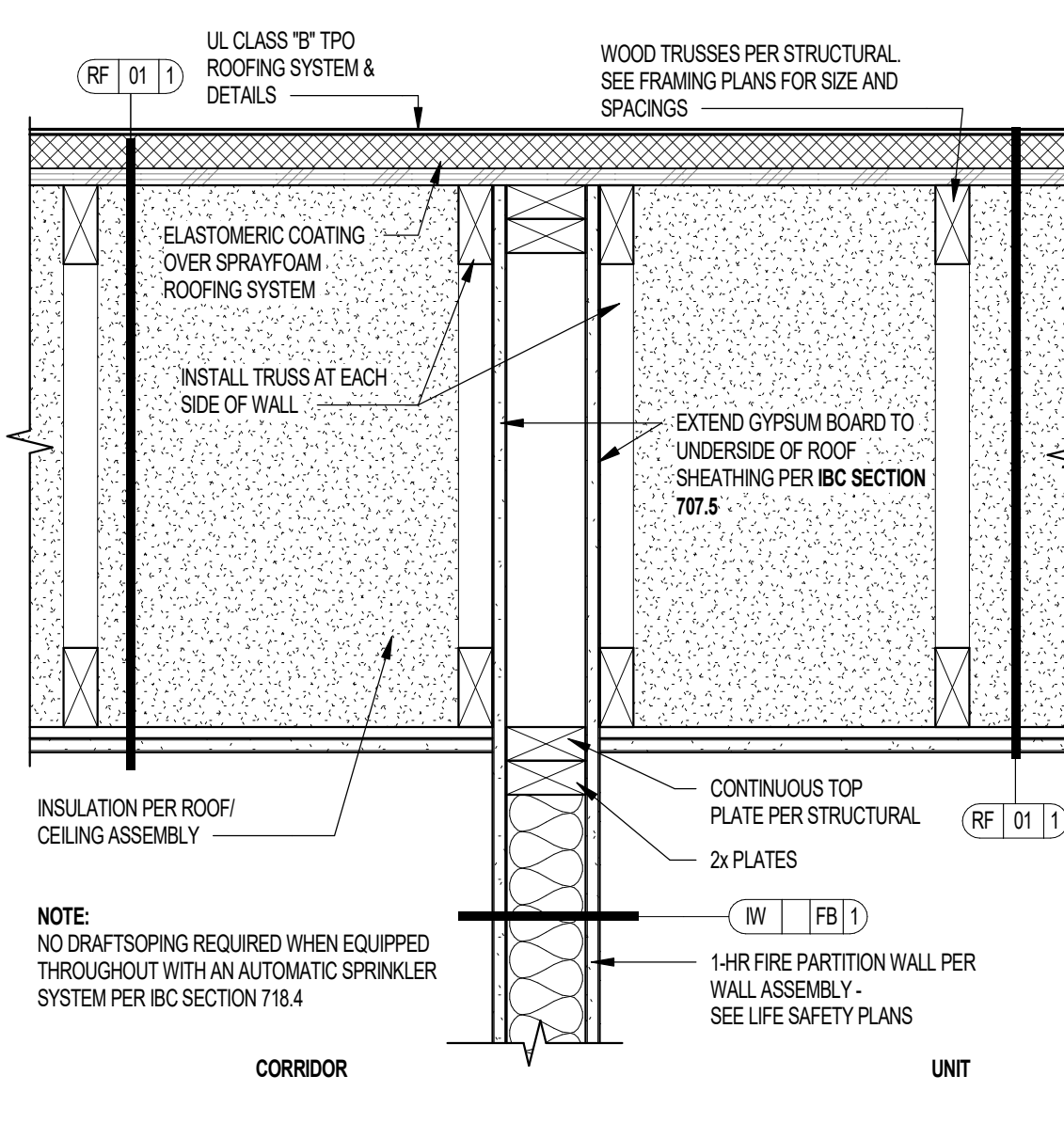
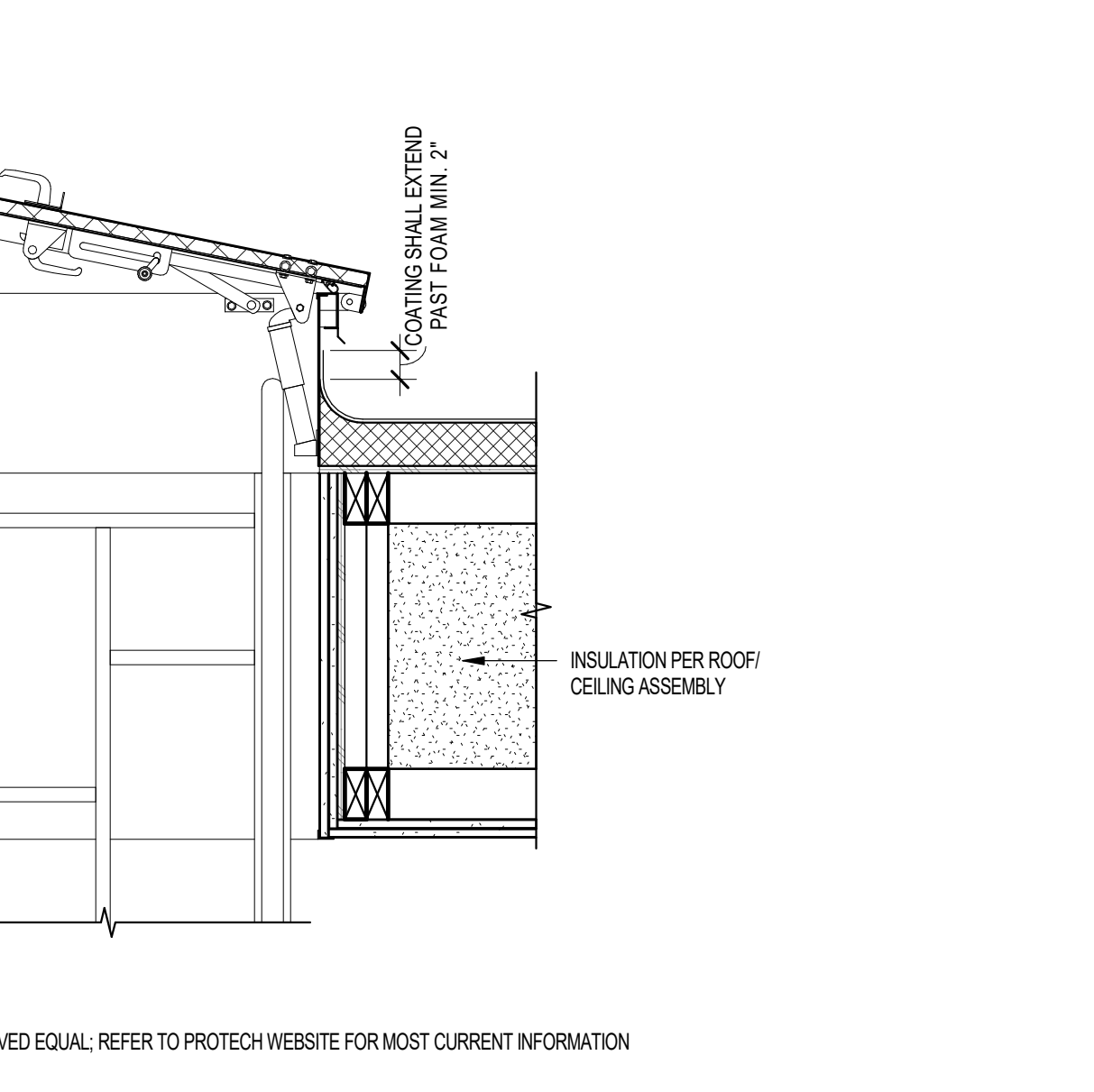
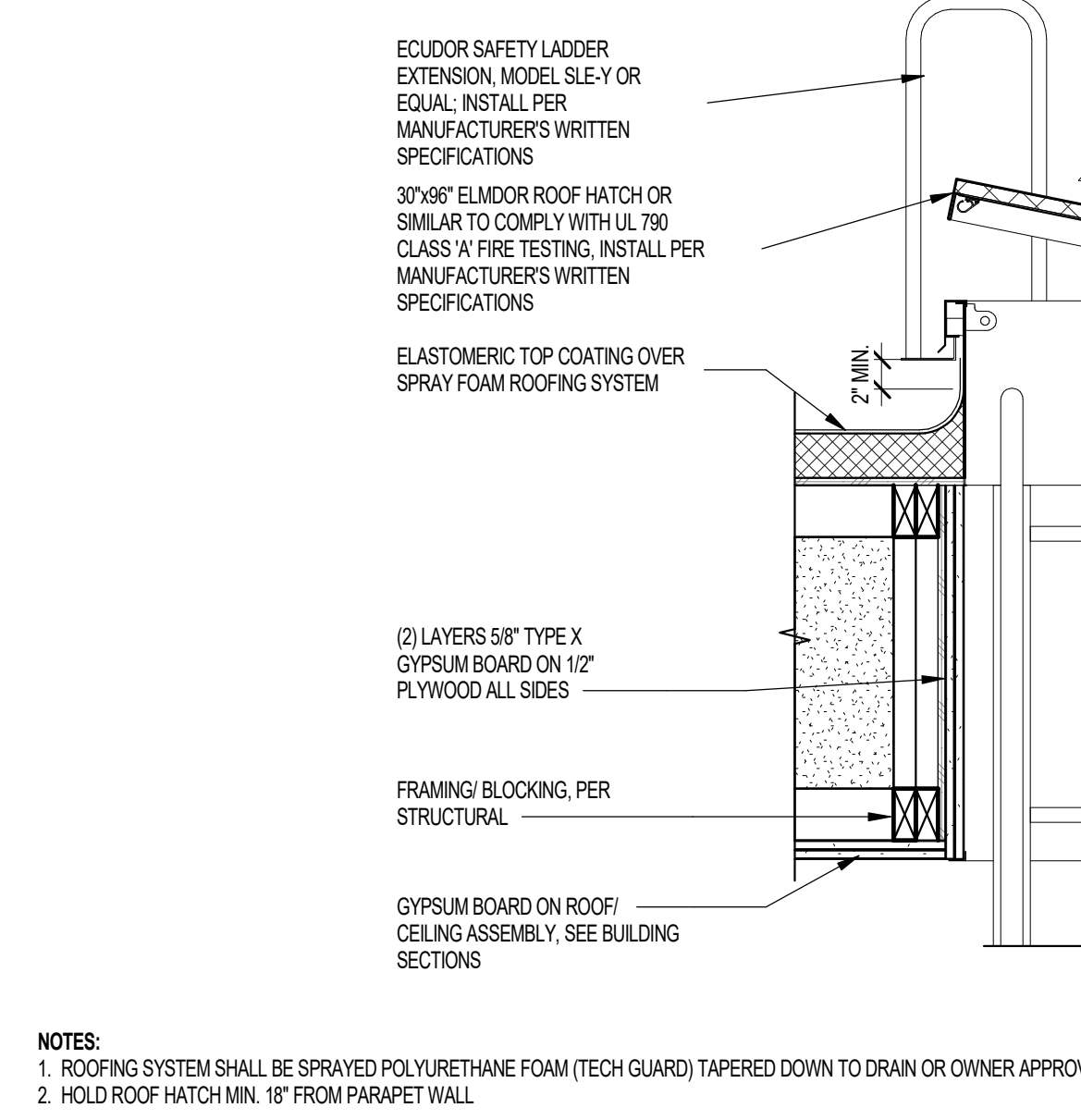
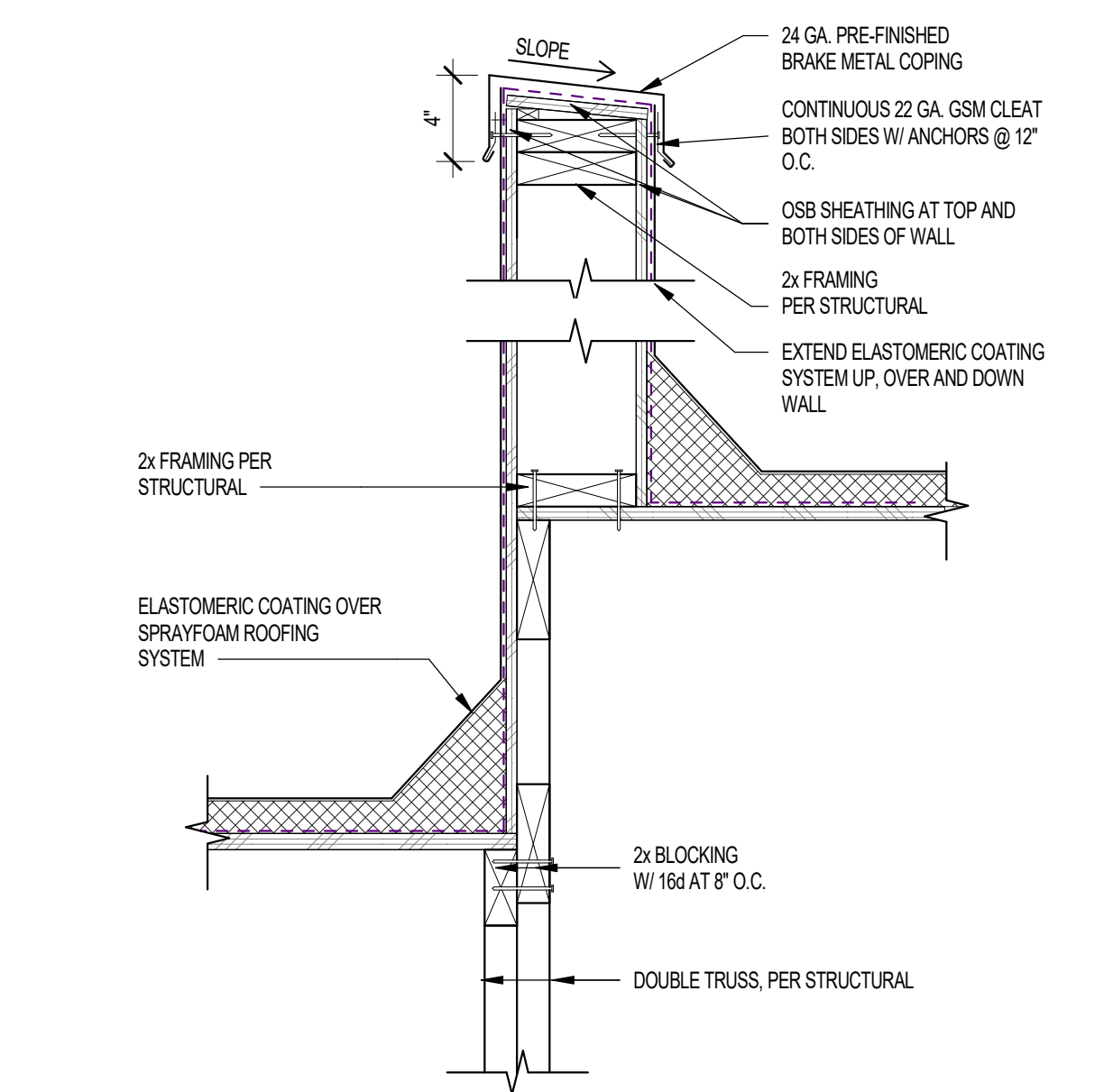


22 ROOF SYSTEM AT ELEVATOR SHAFT SCALE: 1" = 1'-0"

18 TPO ROOFING SYSTEM TERMINATION AT R.T.U. FIRESTONE REFERENCE DETAIL NO. TPO-SA-T-S SCALE: 3" = 1'-0"

10 SPRAY FOAM ROOFING SYSTEM AT ROOF & OVERFLOWS DRAINS SCALE: 3" = 1'-0"

02 1-HR CORRIDOR WALL AT 1-HR ROOF/CEILING SCALE: 1 1/2" = 1'-0"



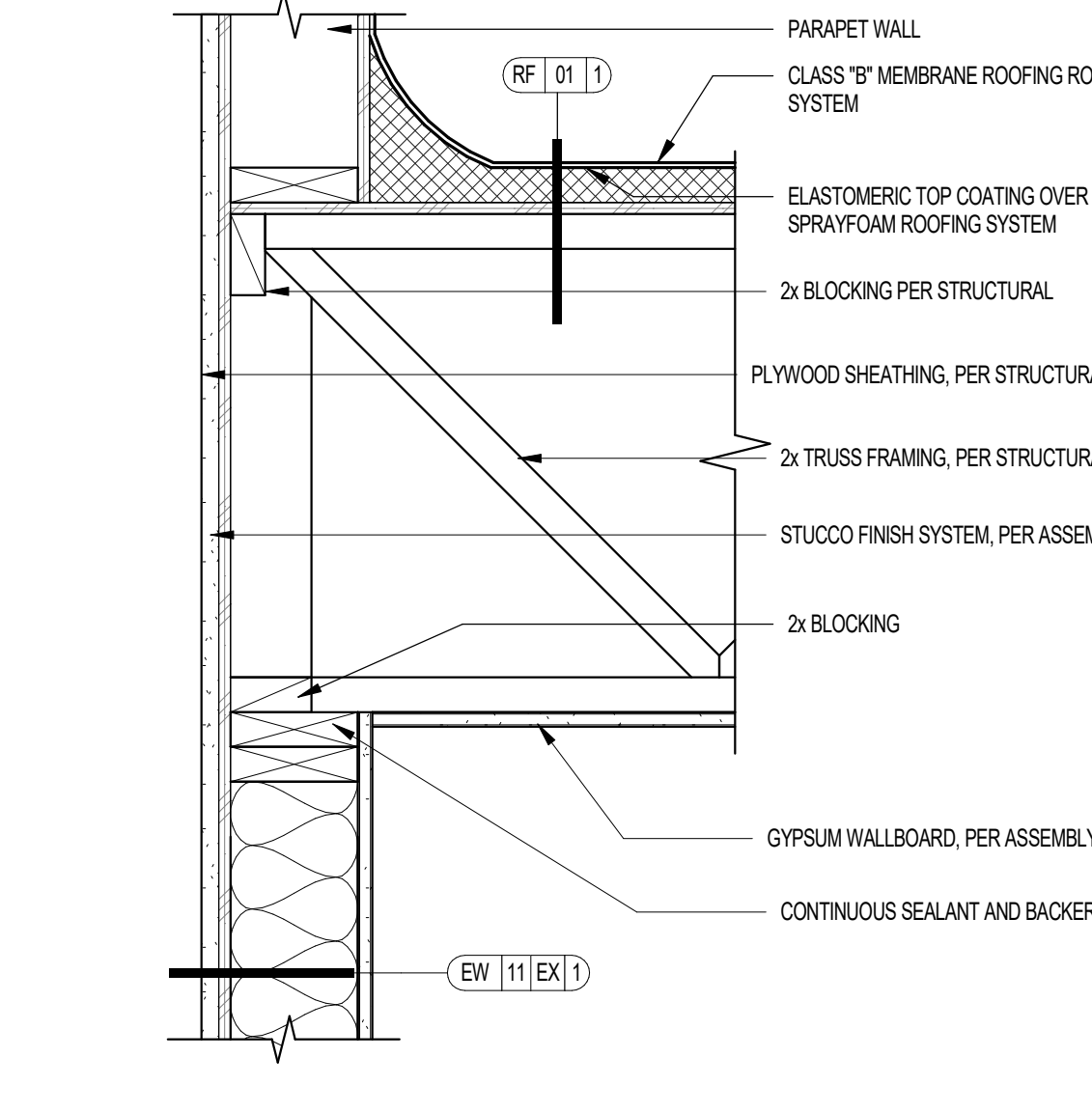
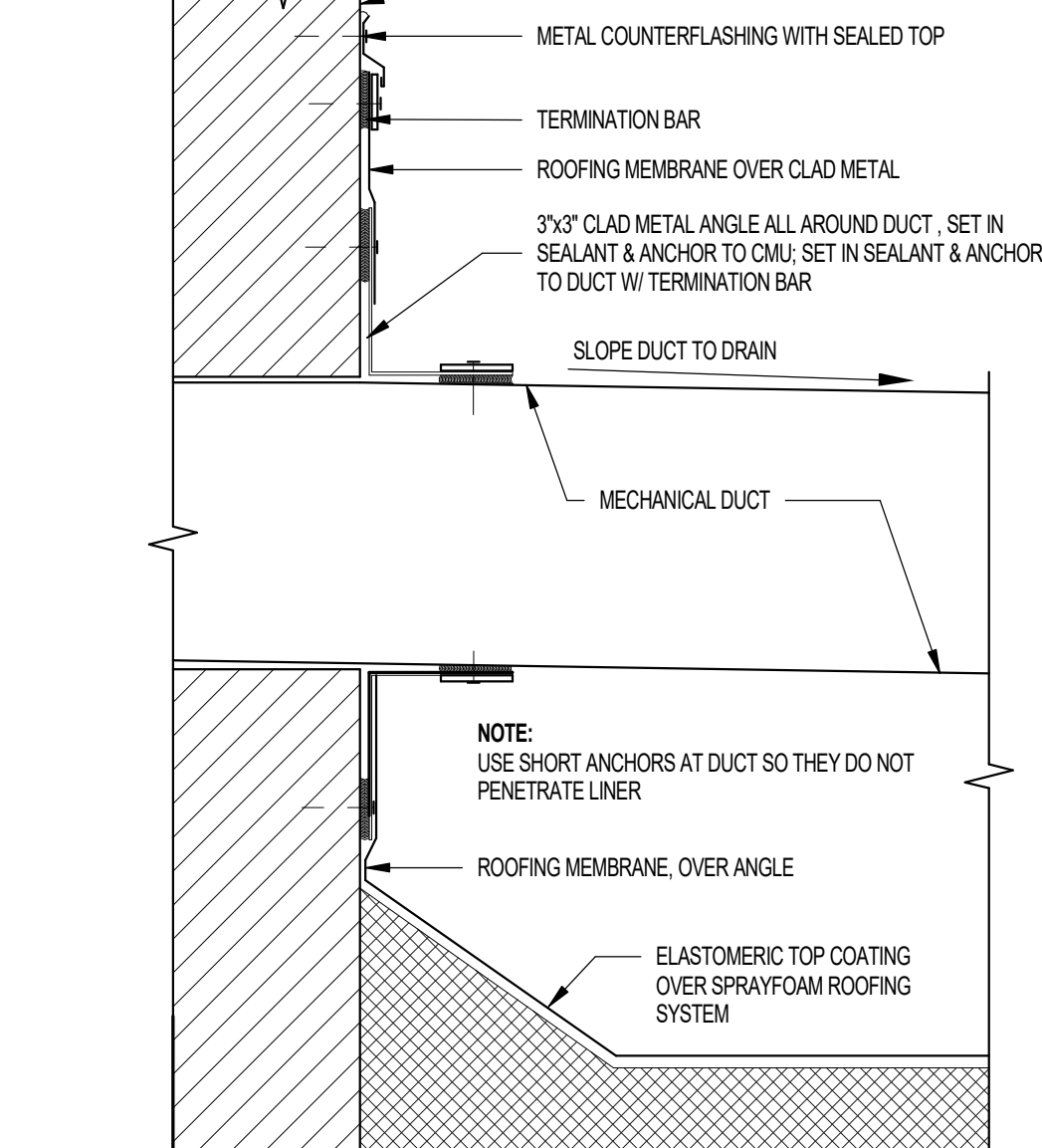
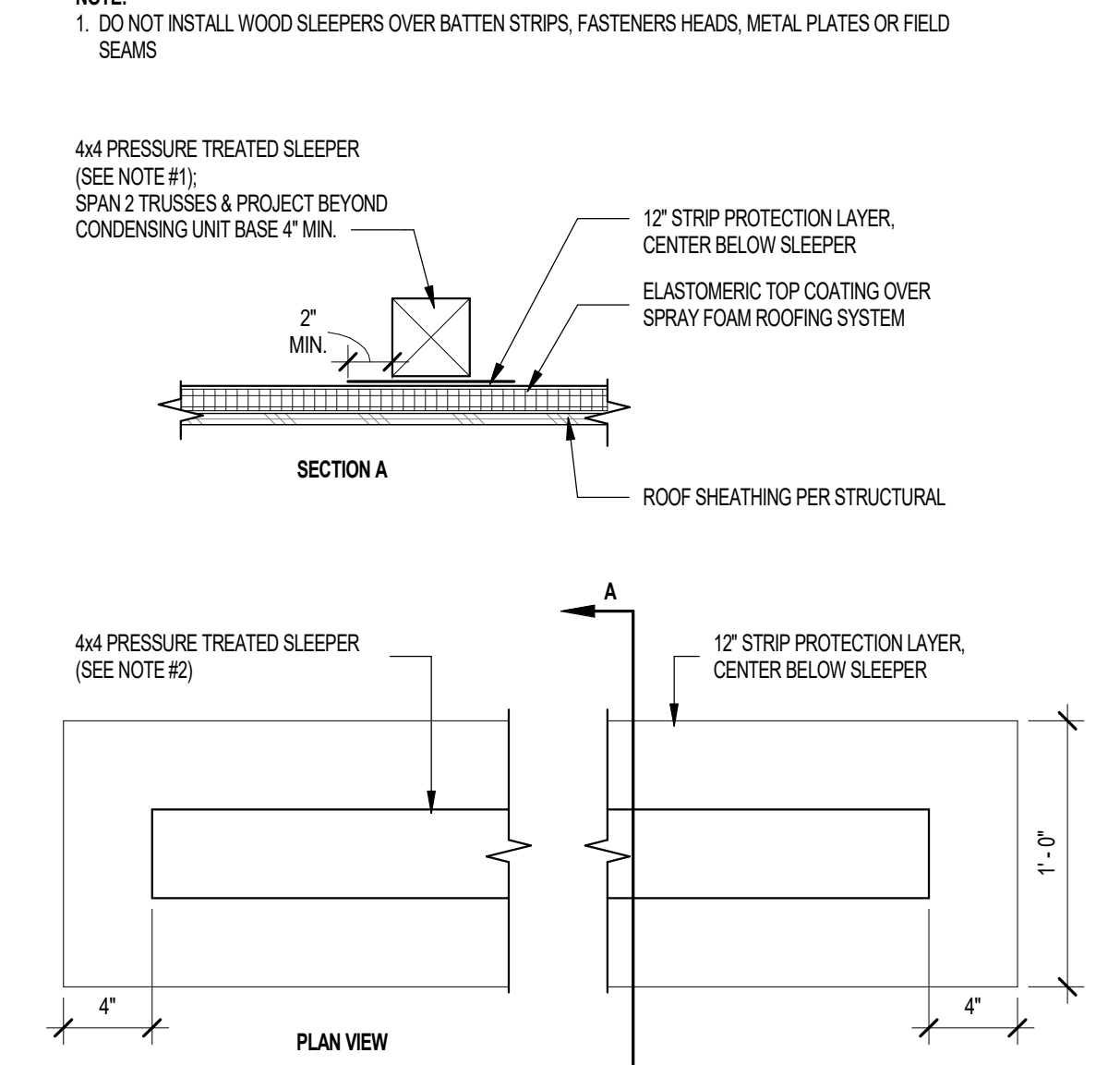
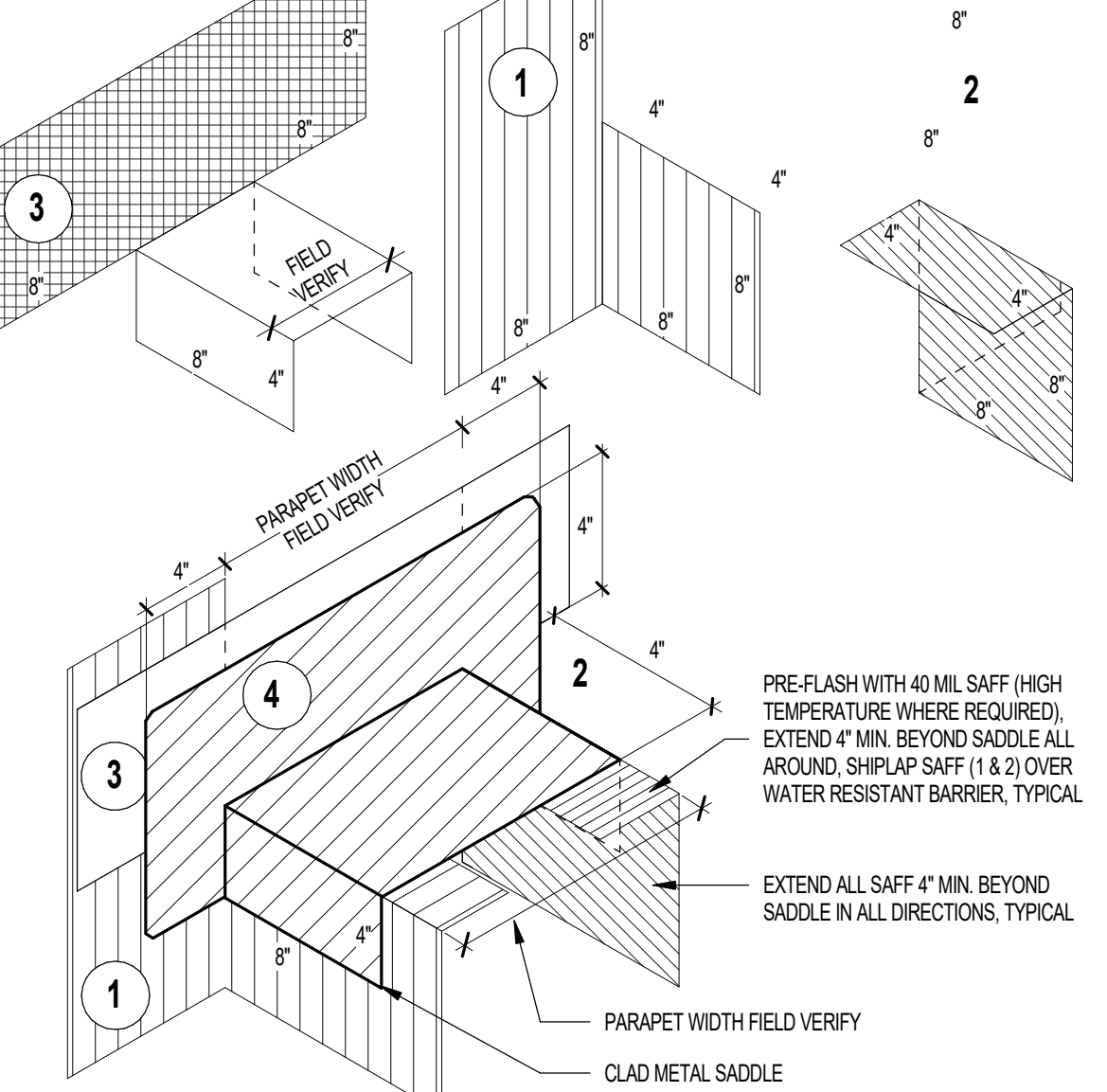
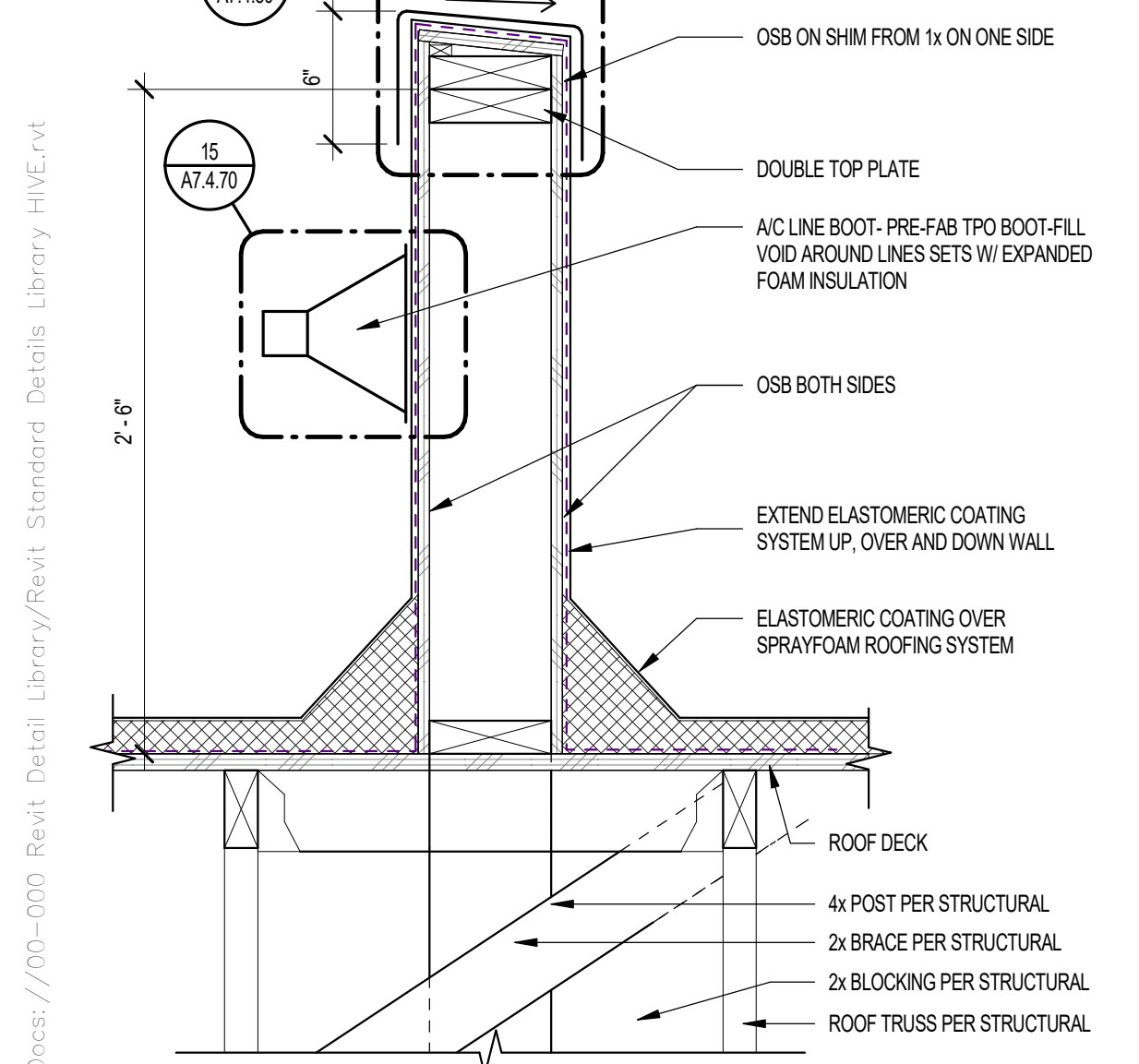
Notice of alternate billing (or payment) cycle
This contract allows the contractor to bill for labor and materials on a monthly basis. The contractor shall submit a monthly invoice to the client within 15 days of the end of each month. The contractor shall also submit a monthly schedule of alternate billing to the client for approval. A written notification of alternate billing cycle shall be provided to the client within 15 days of the execution of this contract.

23 ROOF TRUSS AT STEP SECTION SCALE: 1 1/2" = 1'-0"

19 ALTERNATING METAL TREAD LADDER/ROOF HATCH SCALE: 1" = 1'-0"

11 SPRAYFOAM ROOFING SYSTEM FLASHING AT SMALL PIPE PENETRATION REFERENCE FIRESTONE DETAIL UT-F-2 SCALE: 1" = 1'-0"

03 1-HR FIRE BARRIER WALL AT 1-HR ROOF/CEILING SCALE: 1 1/2" = 1'-0"



Contractor must verify all dimensions of project before proceeding with this work.
Client Name: _____
Client Address: _____
Client Phone Number: _____
and the owner or its design agent shall provide the written decision on request.

24 A/C UNIT SERVICE WALL SECTION AT FOAM ROOF SCALE: 1 1/2" = 1'-0"

20 CLAD SADDLE AT PARAPET INTERSECTION SCALE: 1 1/2" = 1'-0"

16 WOOD SLEEPER SCALE: 1 1/2" = 1'-0"

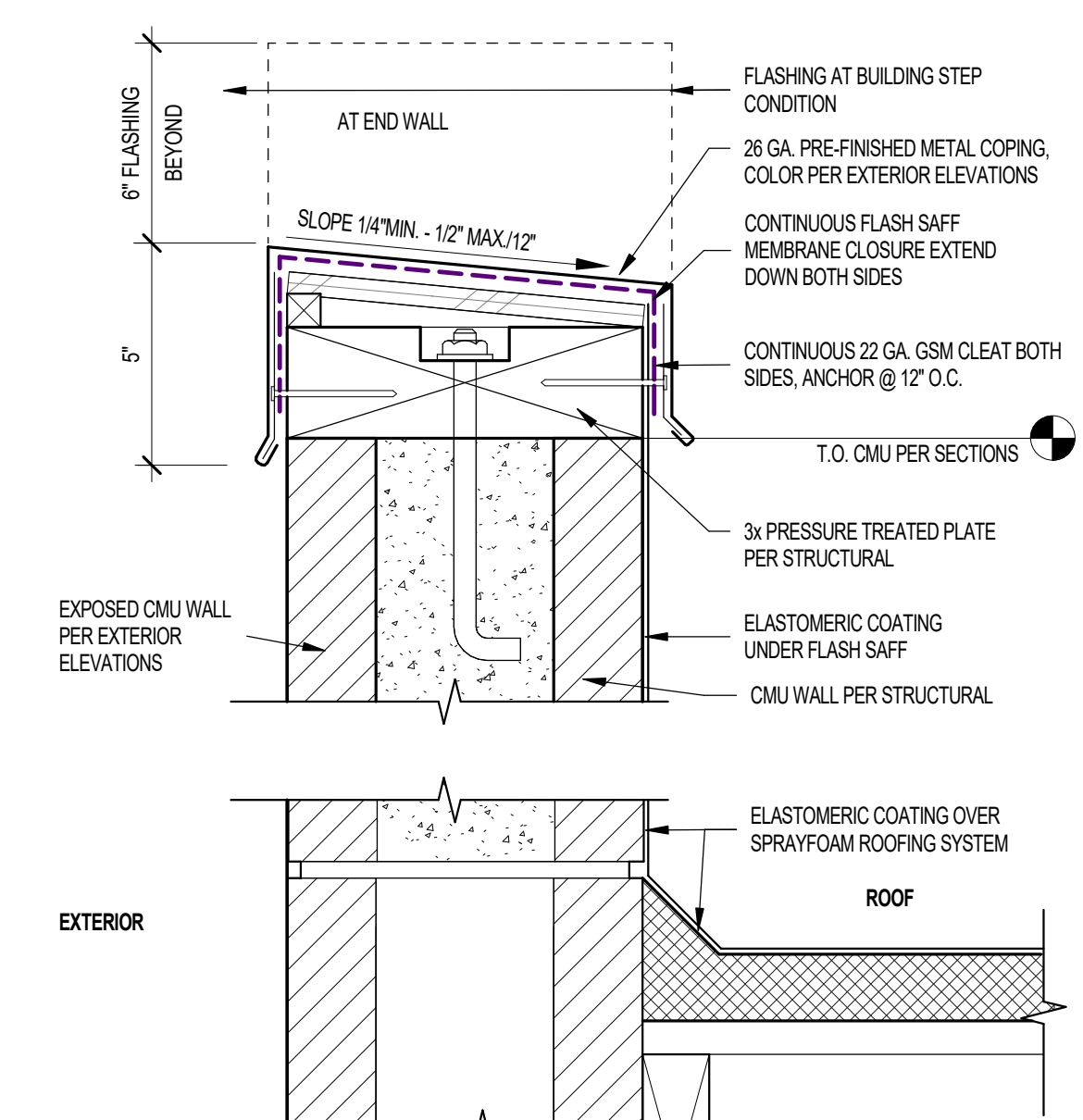
12 MECHANICAL DUCT AT CMU WALL SCALE: 3" = 1'-0"

04 1-HR ROOF/CEILING AT 1-HR EXTERIOR WALL SCALE: 1 1/2" = 1'-0"

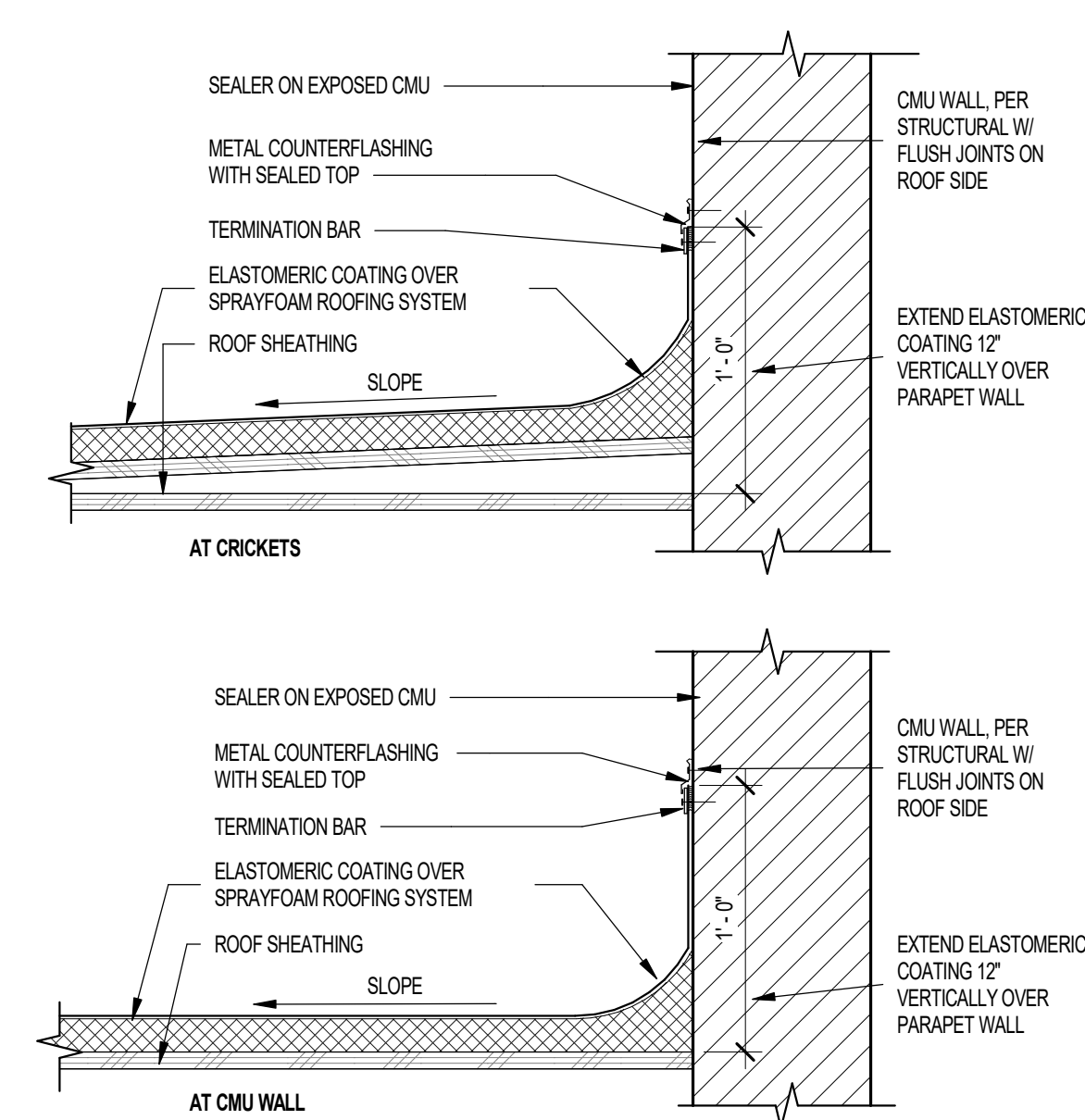
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

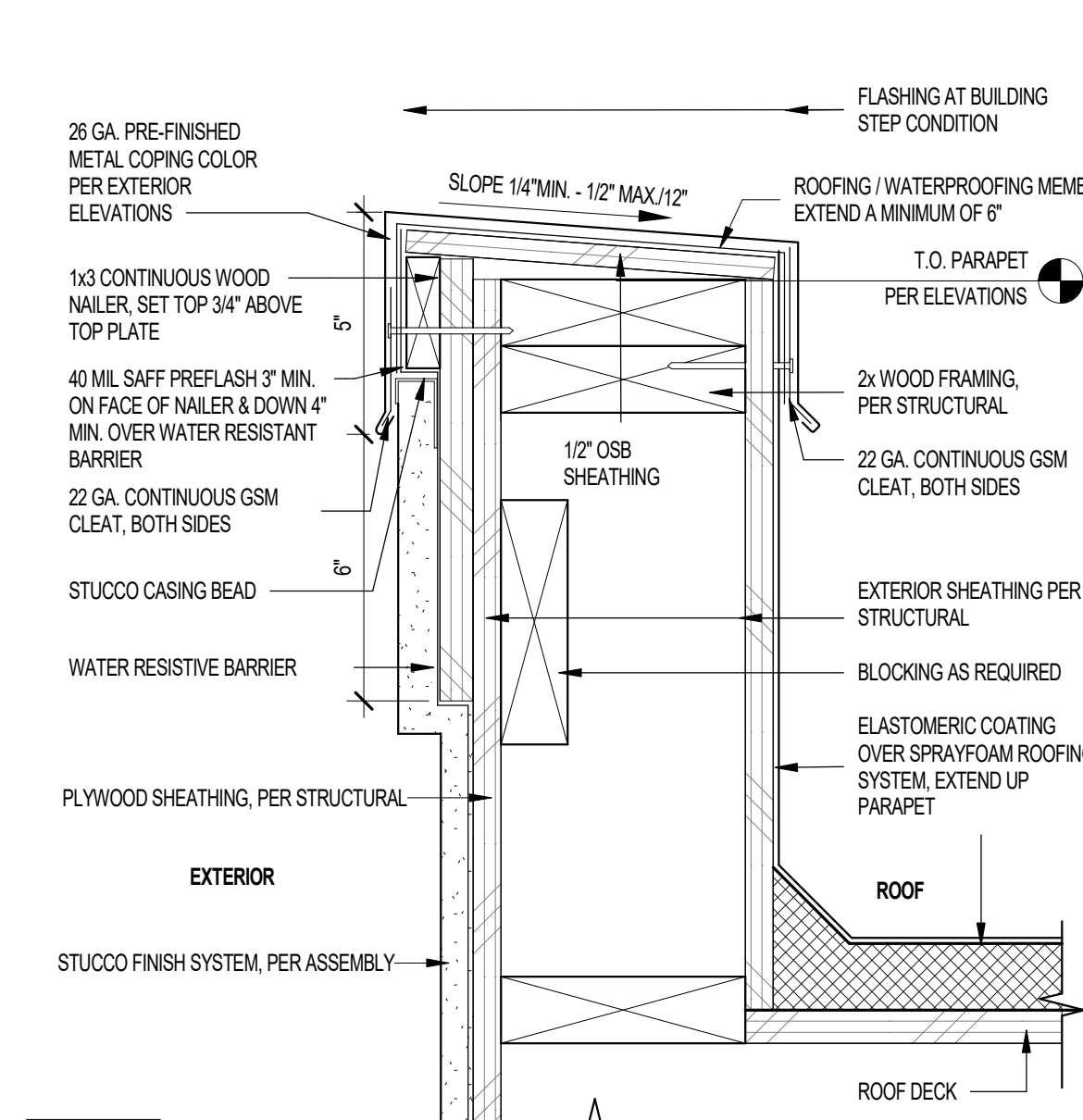
A7.4.80
FOAM ROOF DETAILS



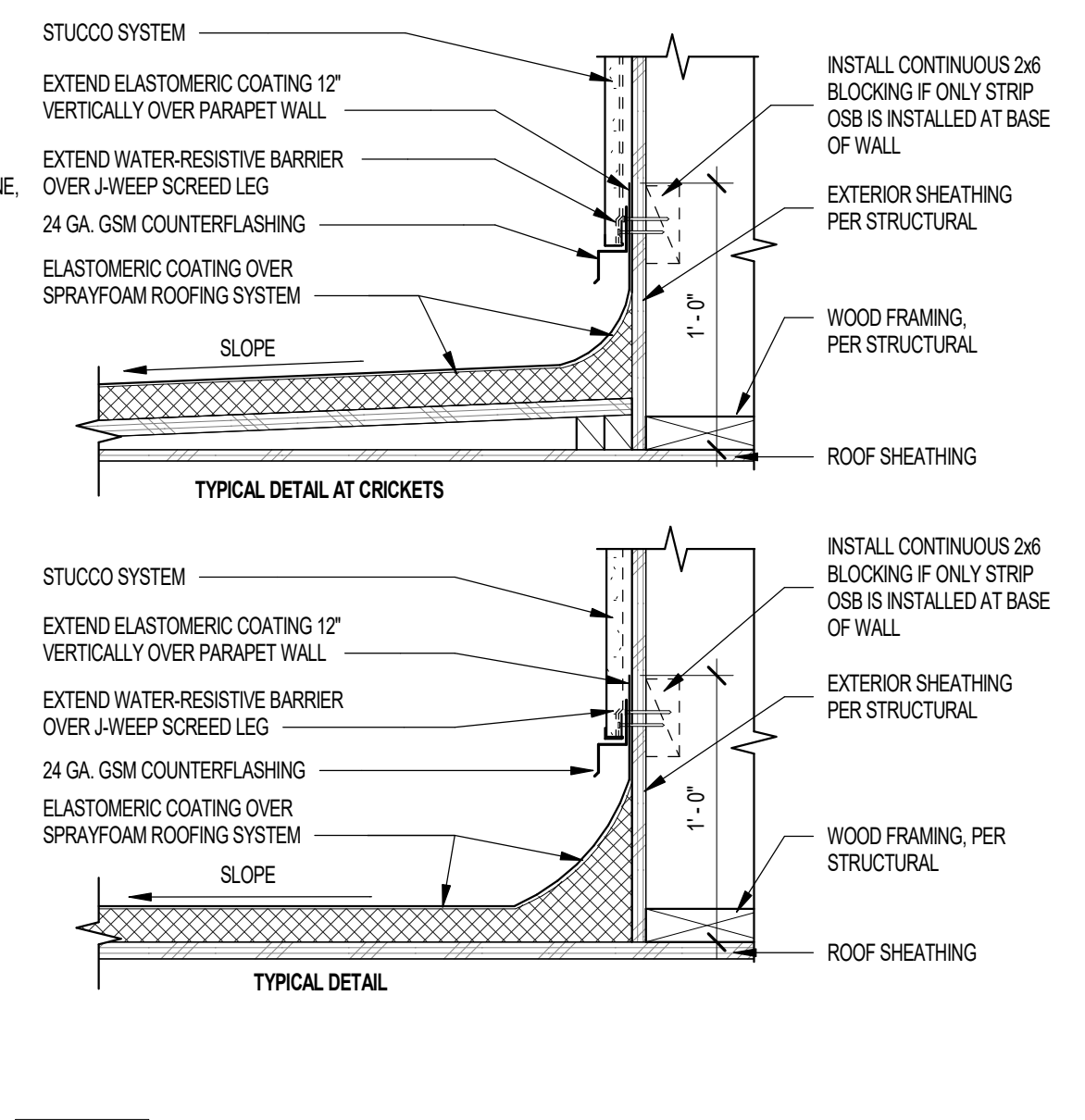
29 FLASHING AT PARAPET - CMU SCALE: 3" = 1'-0"



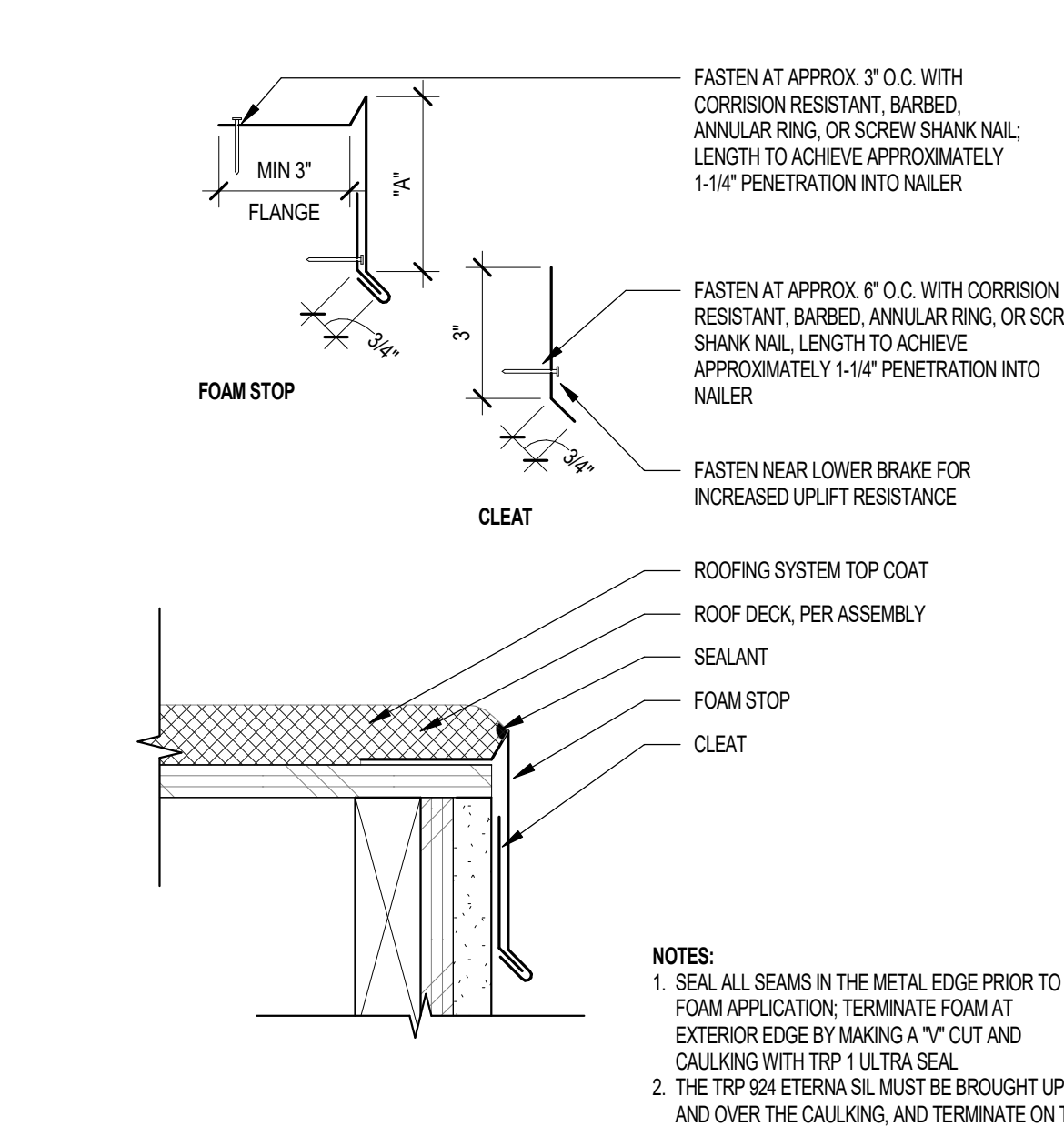
25 SPRAY FOAM ROOFING AT CMU WALL SCALE: 1 1/2" = 1'-0"



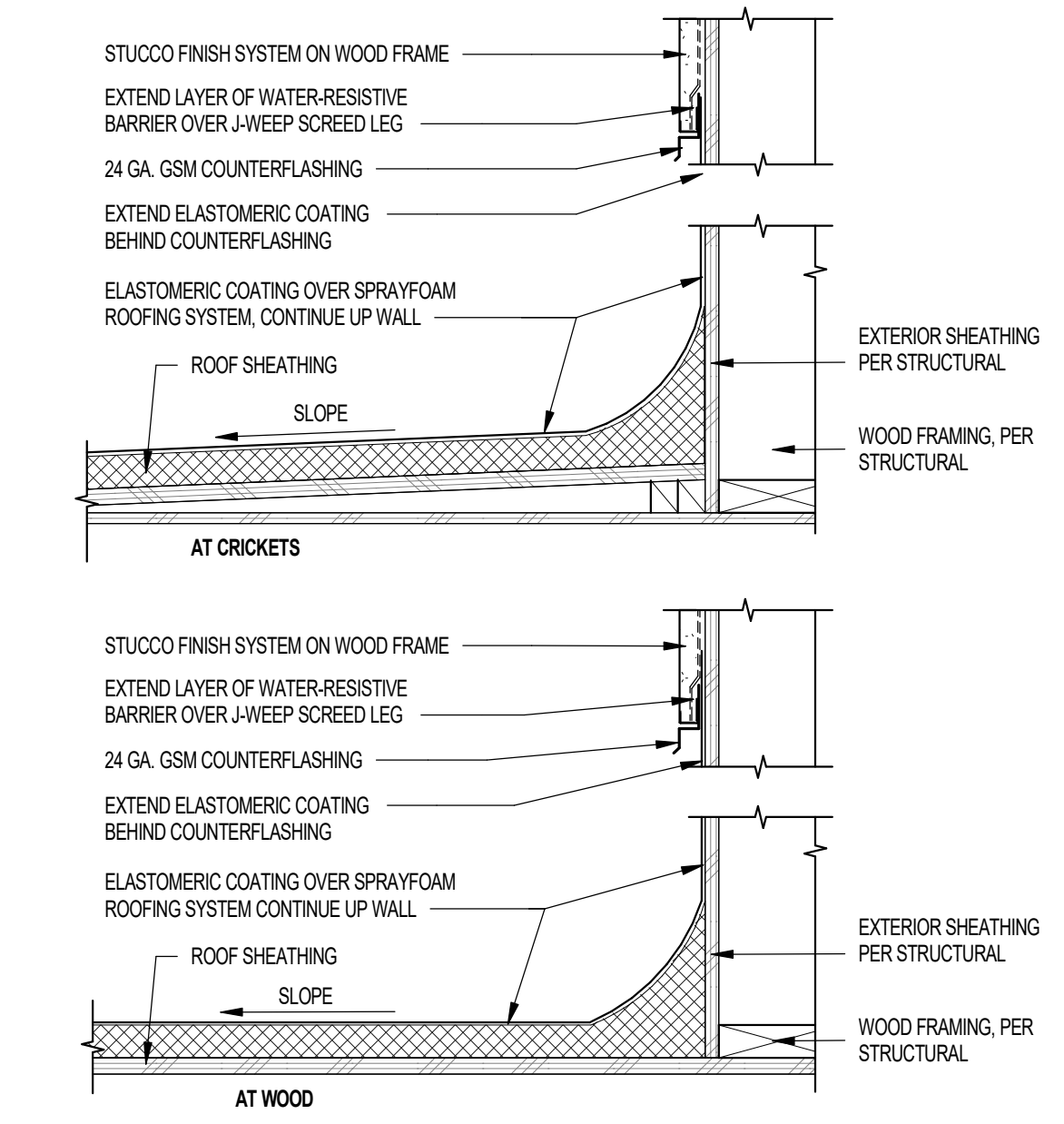
30 FLASHING AT PARAPET - STUCCO SCALE: 3" = 1'-0"



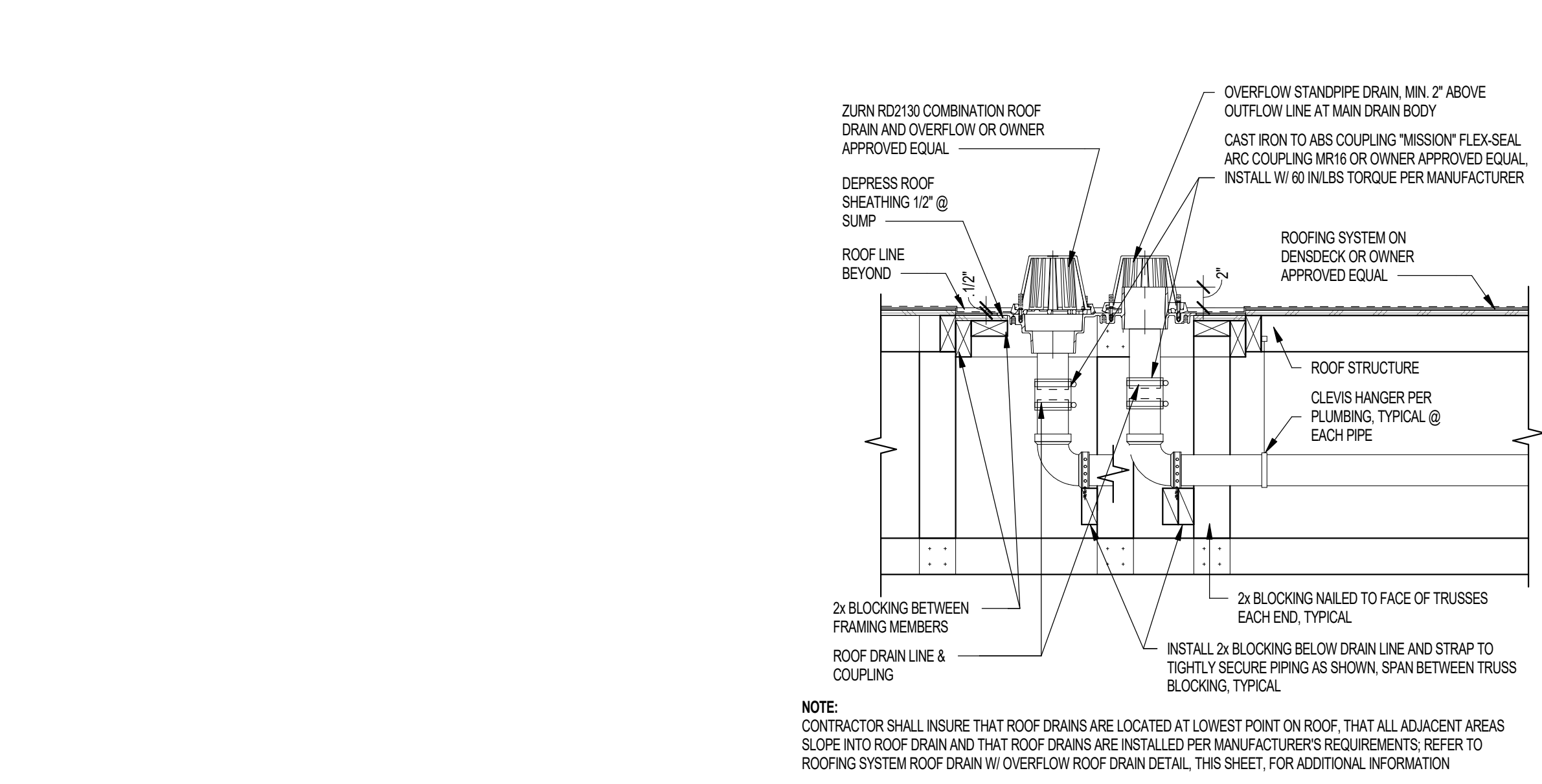
26 SPRAY FOAM ROOFING @ WOOD FRAMING W/STUCCO SCALE: 1 1/2" = 1'-0"



31 FOAM ROOF EDGE SCALE: 3" = 1'-0"



27 ROOFING @ WOOD FRAMED PARAPET WALL SCALE: 1 1/2" = 1'-0"



28 ROOF AND OVERFLOW DRAIN PIPING SUPPORT SCALE: 1" = 1'-0"

Project Name 1
Project Name 2
 Street Address
 City, State

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ORB
 Architecture, LLC

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Notice of alternate billing (or payment) cycle
This contract allows the owner to request the admission of billing or advance in billing cycle after the first date. This contract shall also allow the owner to request an alternate billing schedule after certification and approval of billing and contract. A written decision of such other billing cycle applies to the project as provided for in the owner's design contract.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

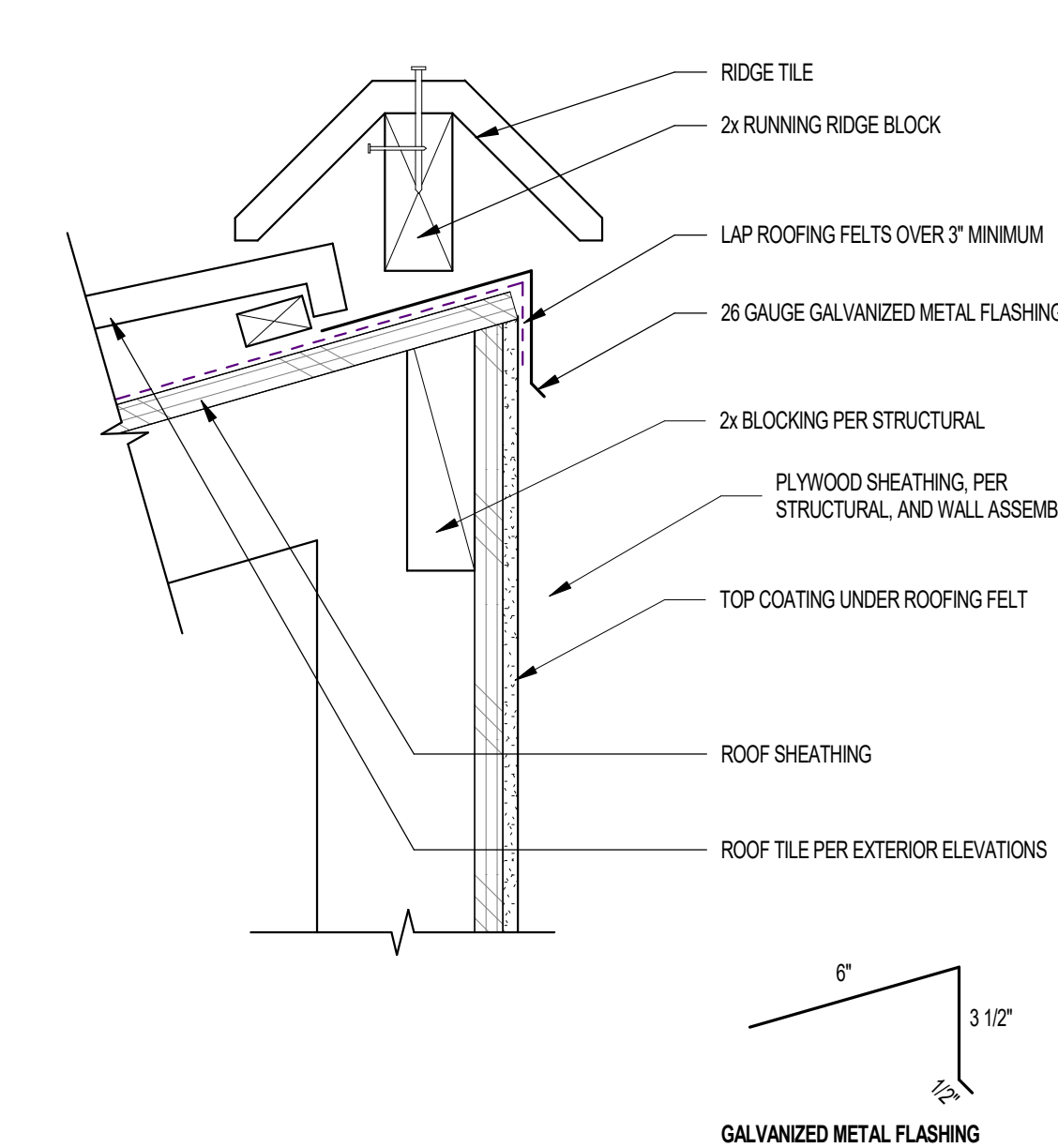
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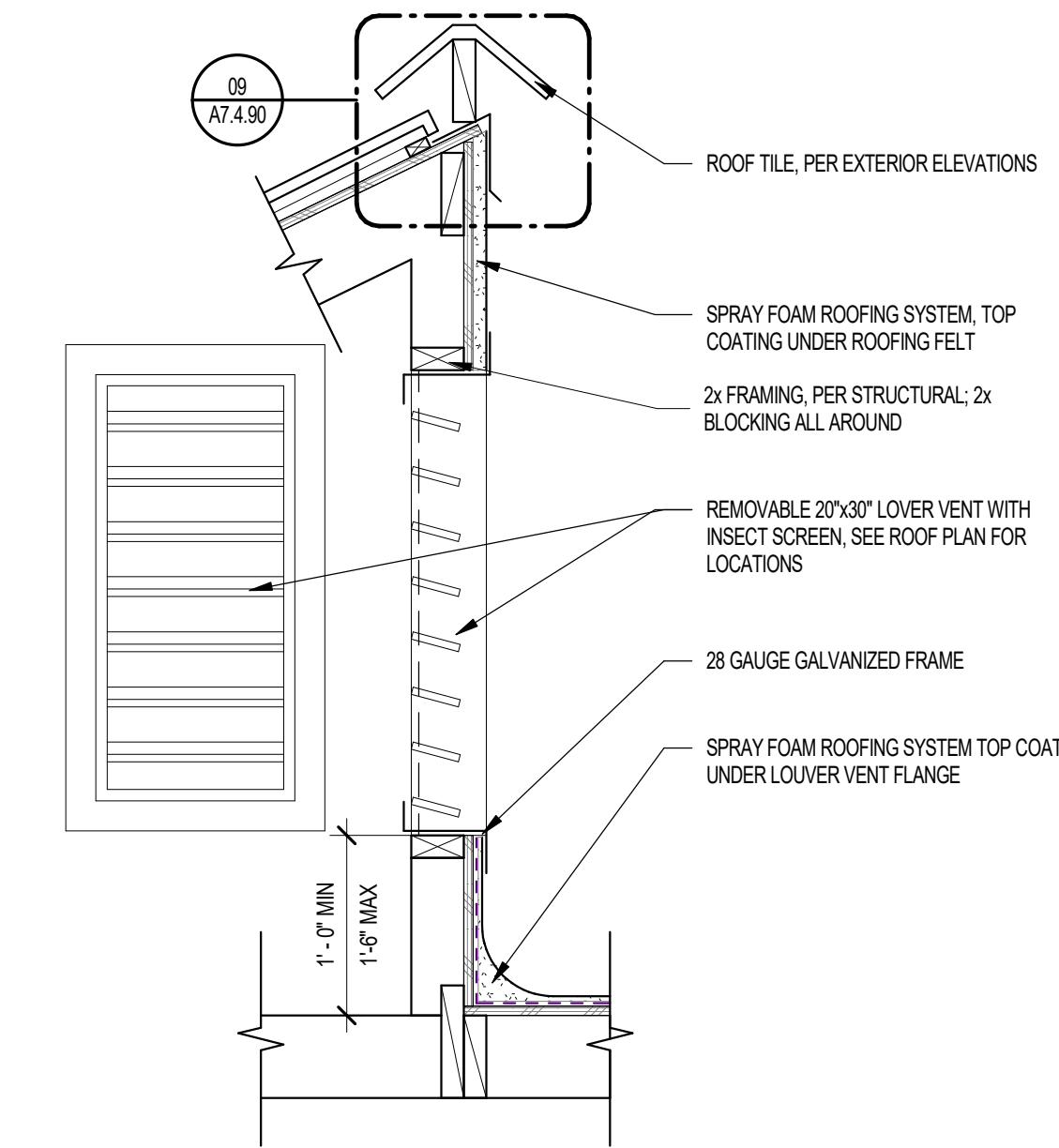
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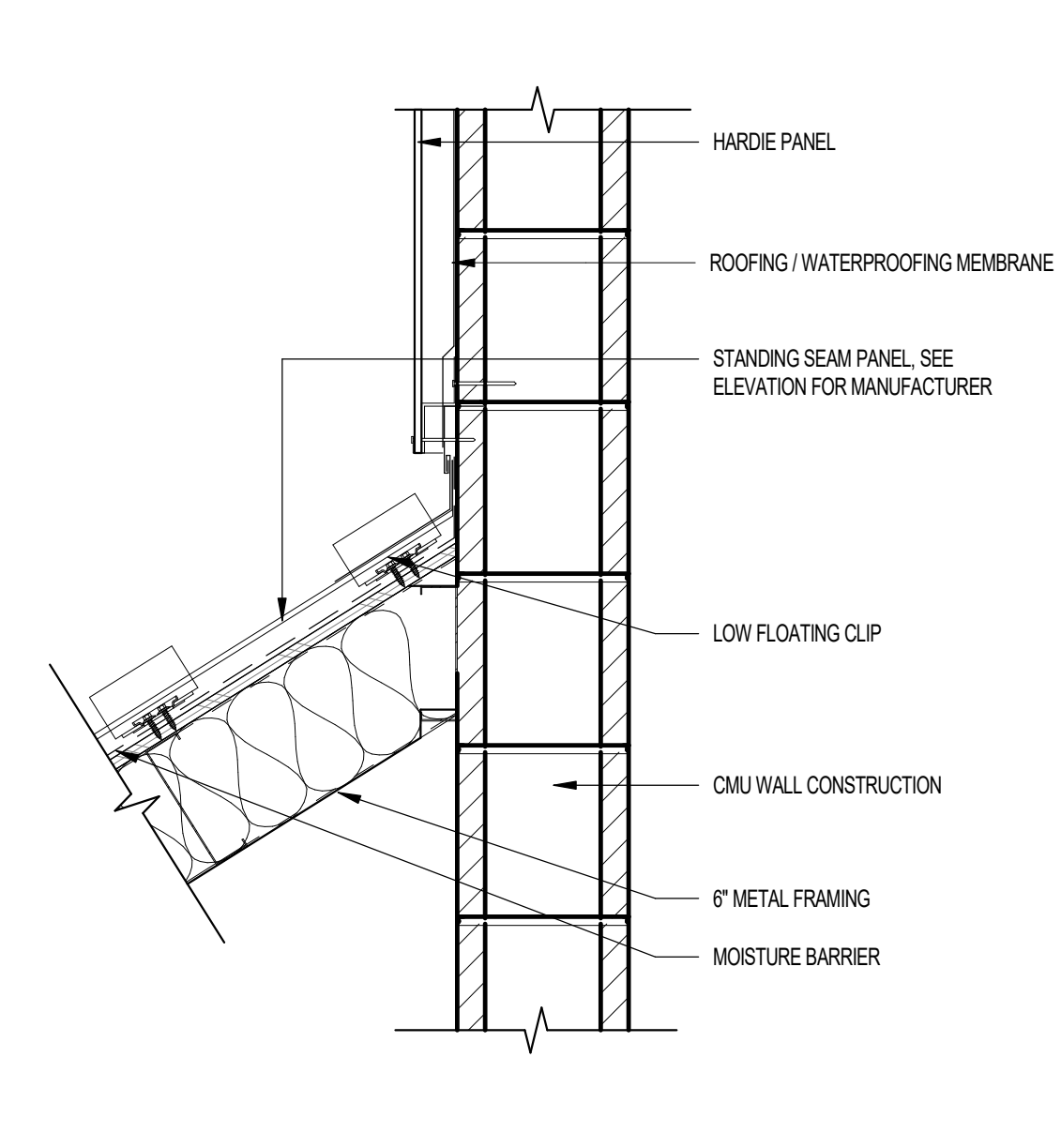
A7.4.81
FOAM ROOF DETAILS



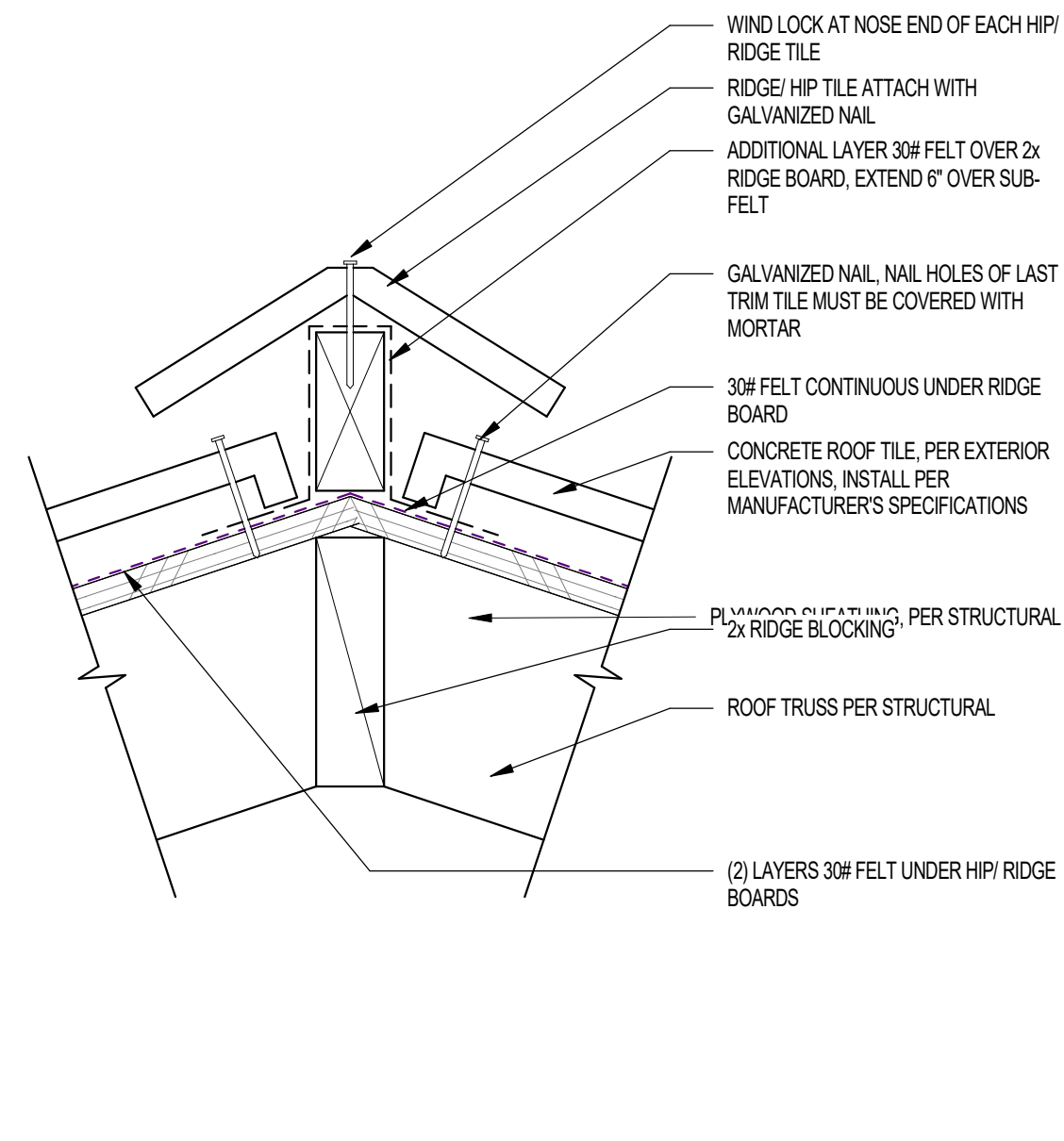
09 ROOF TILE AT MANSARD SCALE: 3/8" = 1'-0"



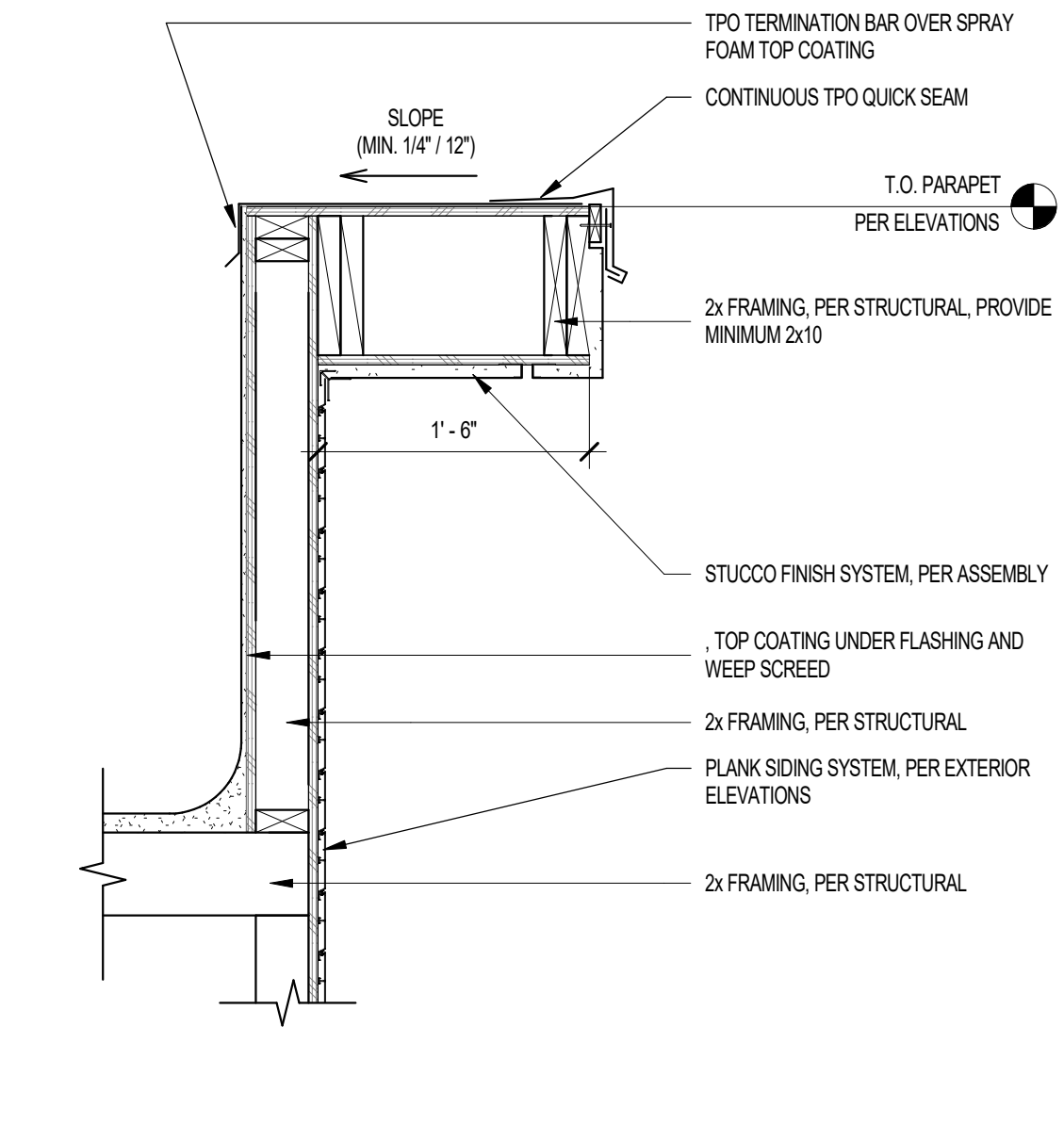
05 ATTIC ACCESS WALL LOUVER SCALE: 1" = 1'-0"



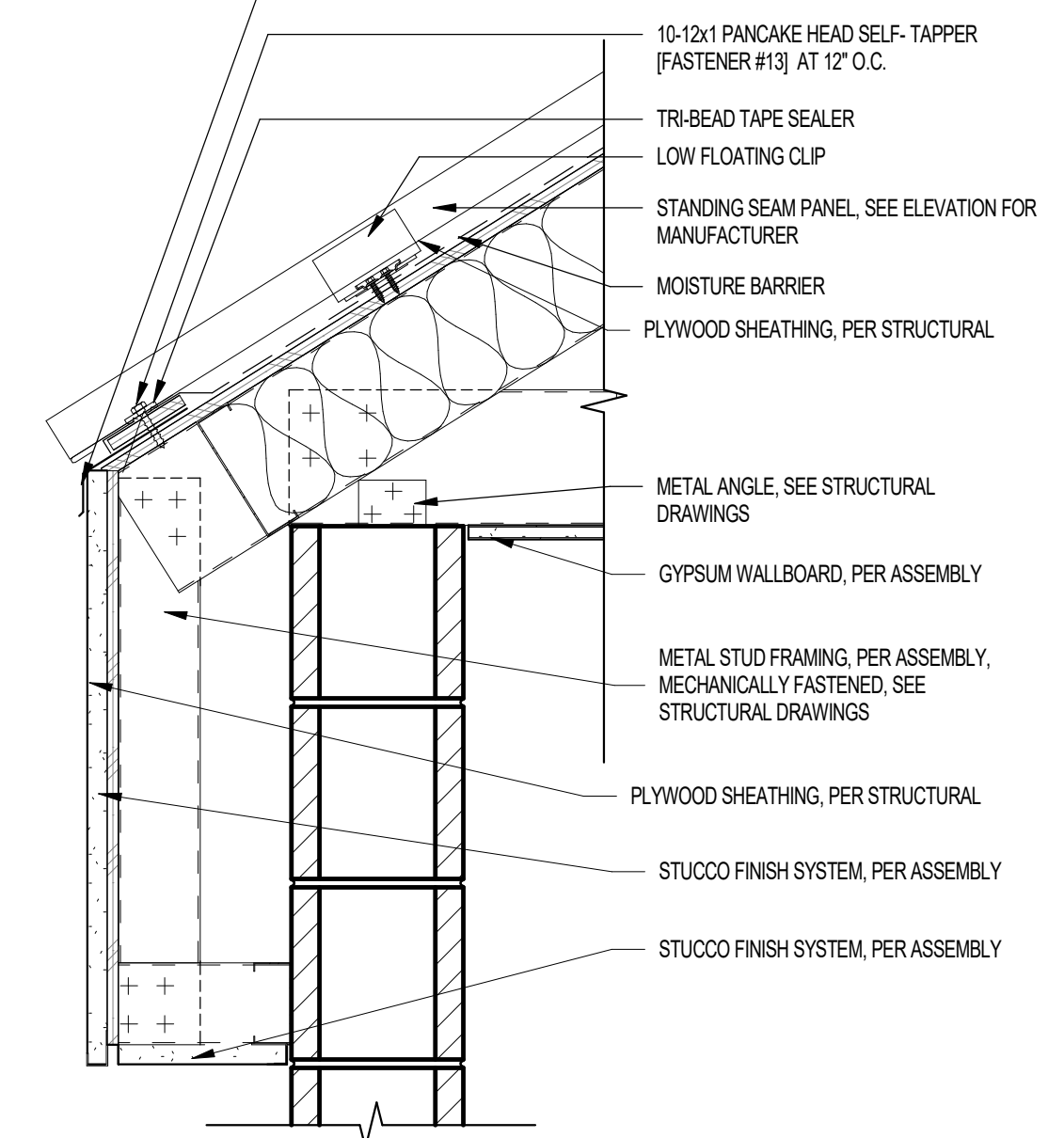
01 STANDING SEAM EAVE AT CMU WALL SCALE: 1 1/2" = 1'-0"



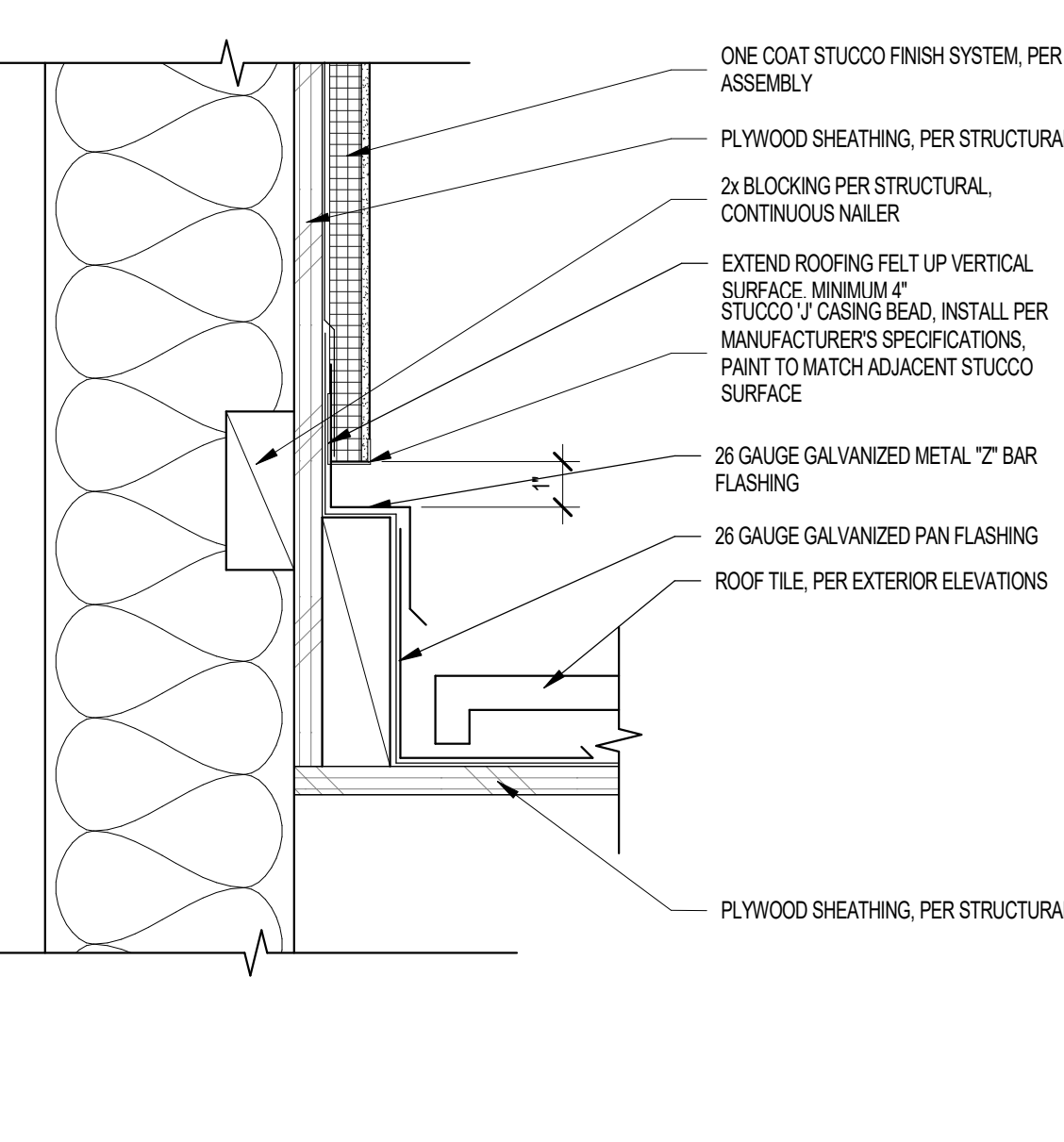
10 ROOF TILE AT RIDGE SCALE: 3/8" = 1'-0"



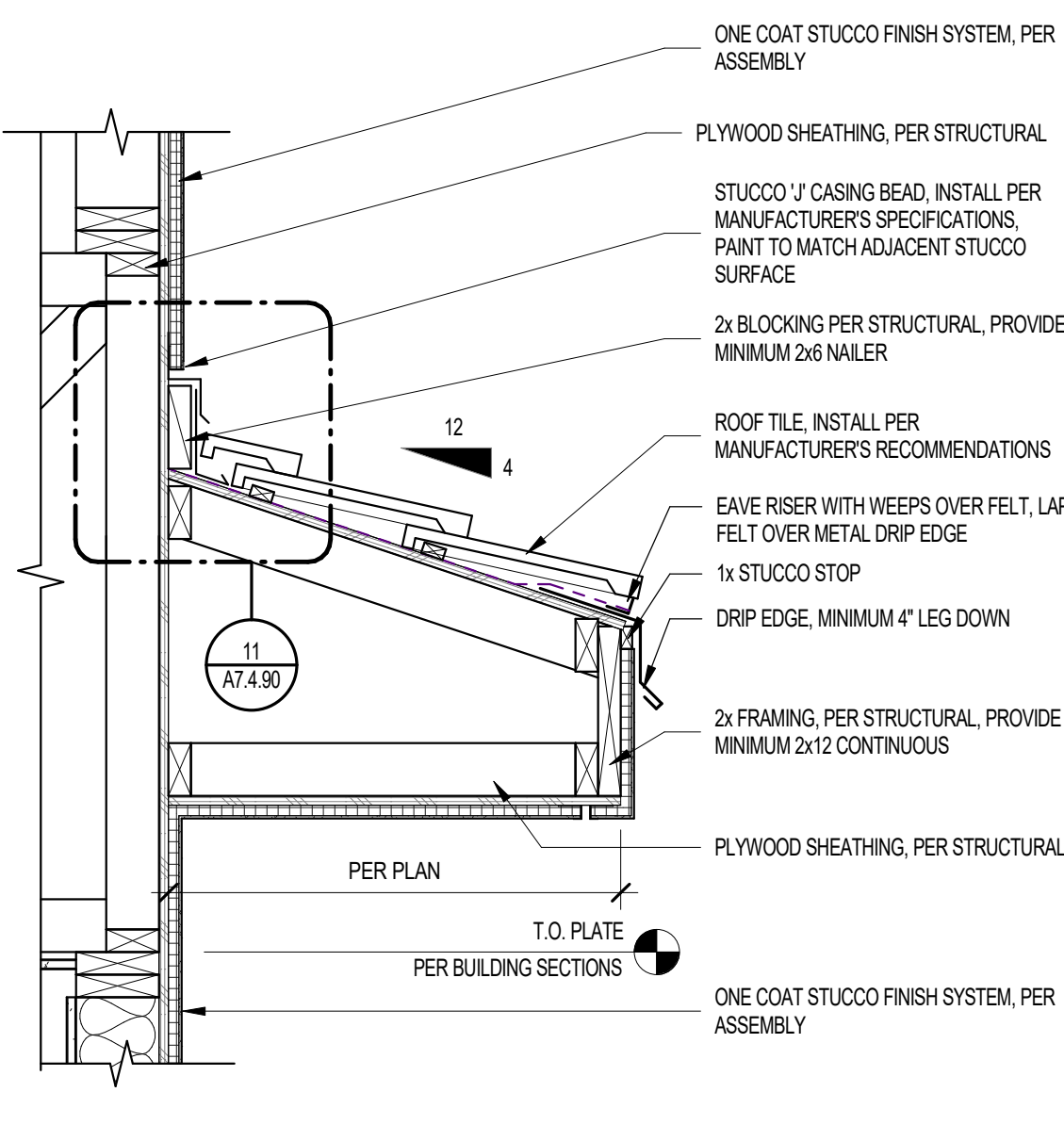
06 DECORATIVE PARAPET SCALE: 1" = 1'-0"



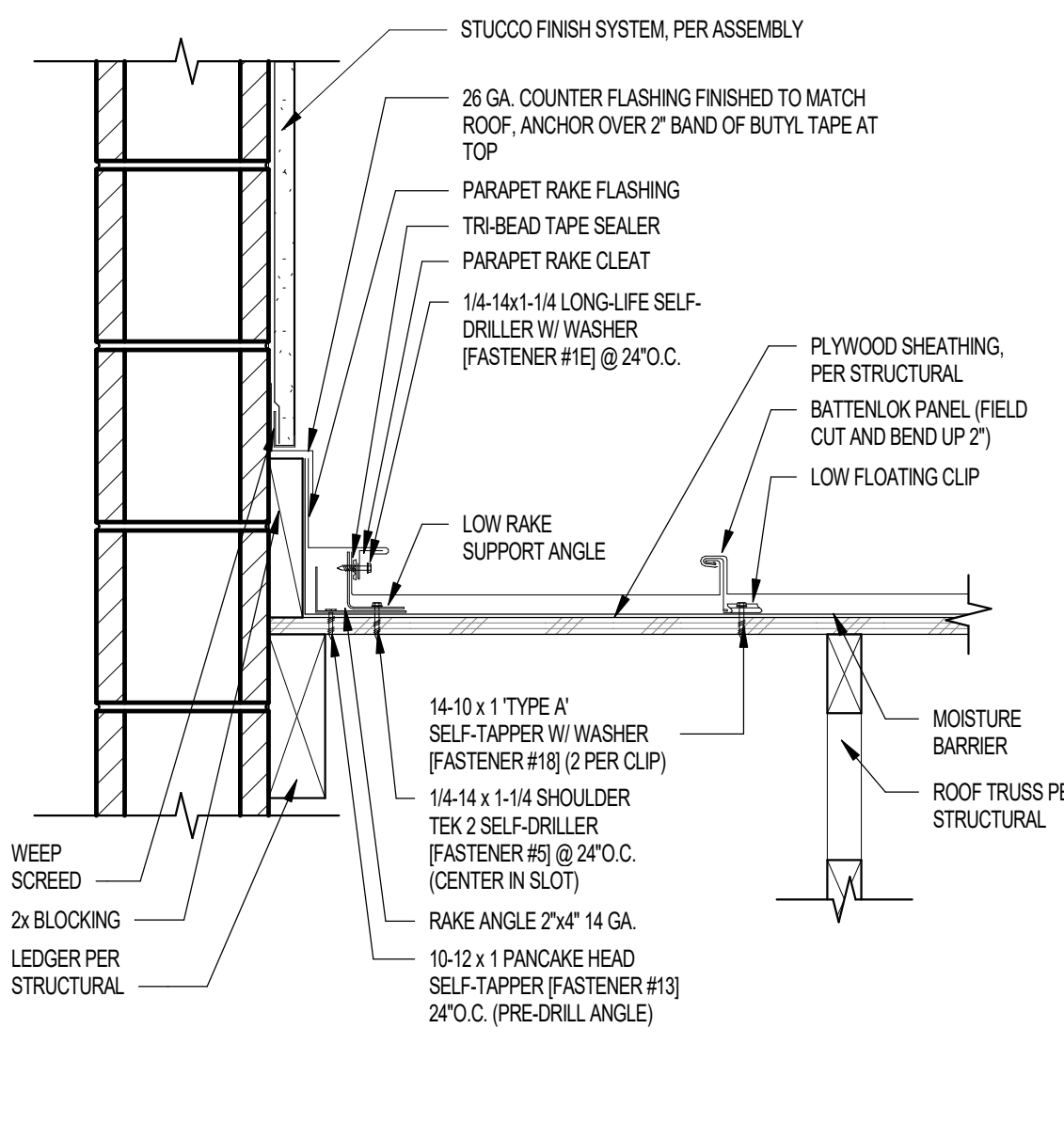
02 STANDING SEAM EAVE SCALE: 1 1/2" = 1'-0"



11 ROOF TILE AT WALL SCALE: 3/8" = 1'-0"



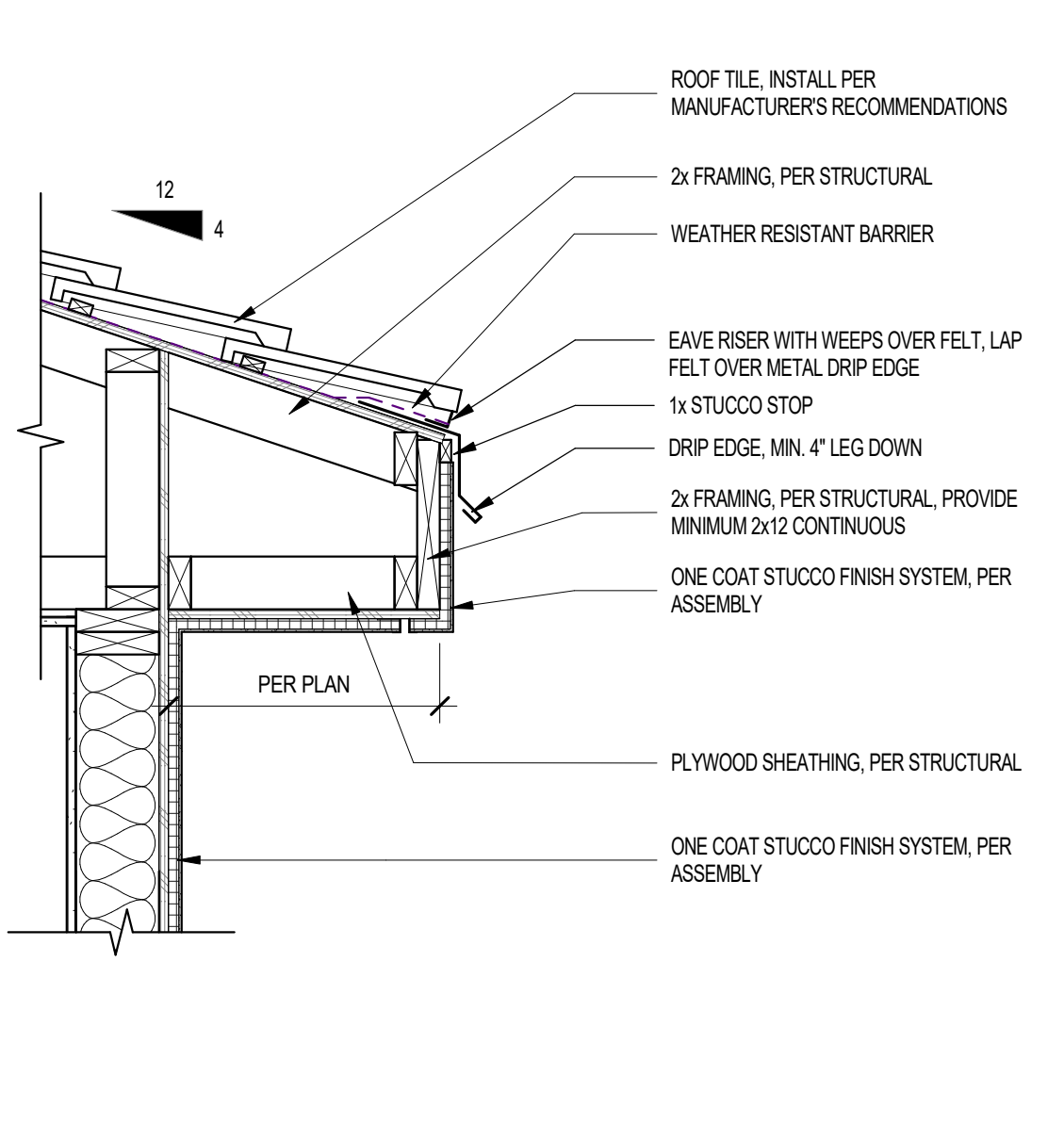
07 ROOF TILE & FASCIA AT EXTERIOR BALCONY SCALE: 1" = 1'-0"



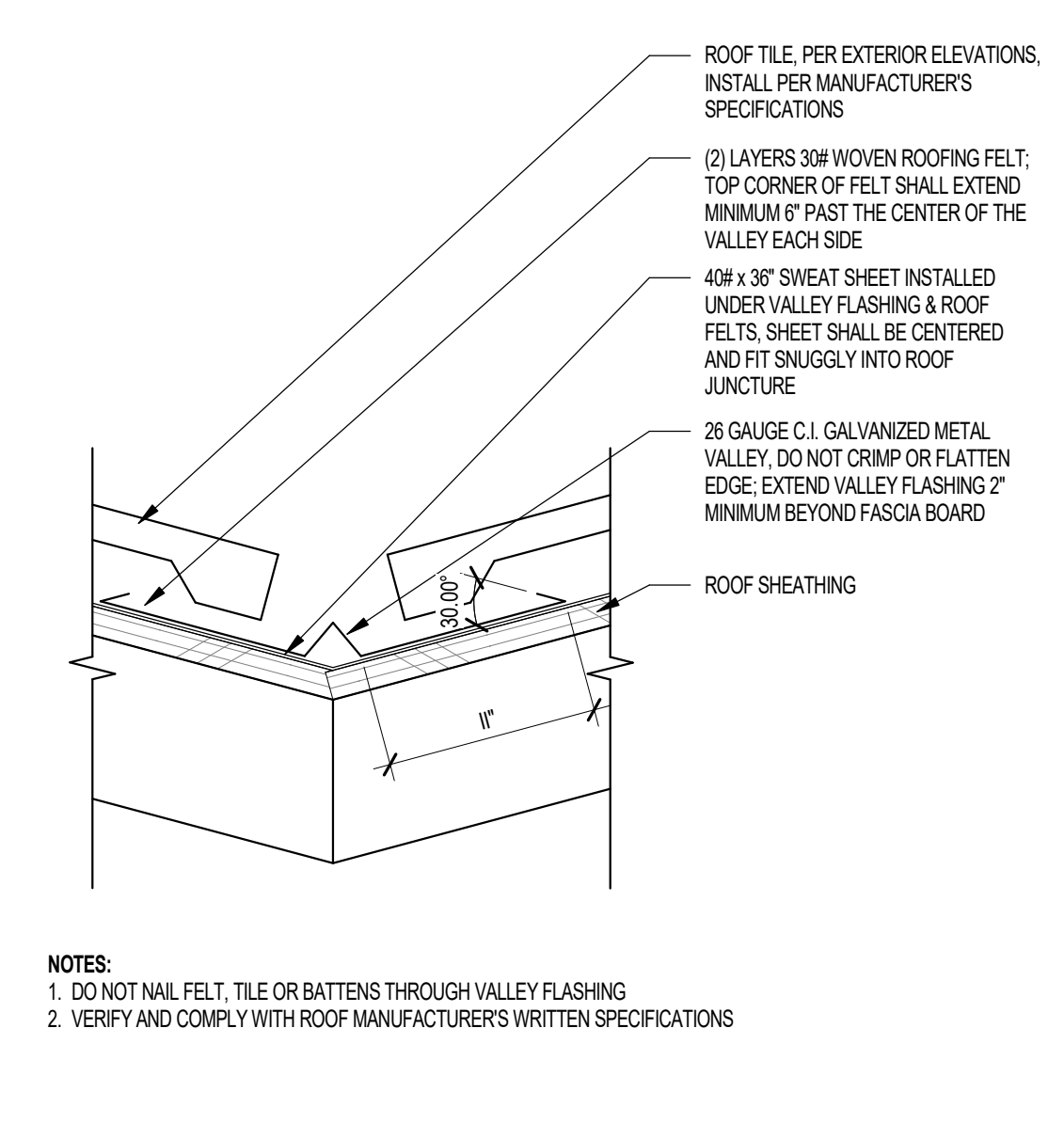
03 STANDING SEAM METAL ROOF RAKE SCALE: 1 1/2" = 1'-0"



08 ROOF TILE & FASCIA AT EXTERIOR EAVE SCALE: 1" = 1'-0"



04 ROOF TILE VALLEY FLASHING SCALE: 3/8" = 1'-0"



04 ROOF TILE VALLEY FLASHING SCALE: 3/8" = 1'-0"

NOTES:
 1. DO NOT NAIL FELT, TILE OR BATTENS THROUGH VALLEY FLASHING
 2. VERIFY AND COMPLY WITH ROOF MANUFACTURERS WRITTEN SPECIFICATIONS

Project Name 1
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 This contract allows the contractor to request the admission of billing or alternate billing cycle after the first date. This contract shall be subject to the terms, conditions and specifications set forth in the contract documents. A written decision of the architect shall be required for any such request. A written decision of the architect shall be required for any such request.

CLIENT NAME
 CLIENT ADDRESS
 CLIENT PHONE NUMBER
 and the owner or its designated agent shall provide the written decision on request.

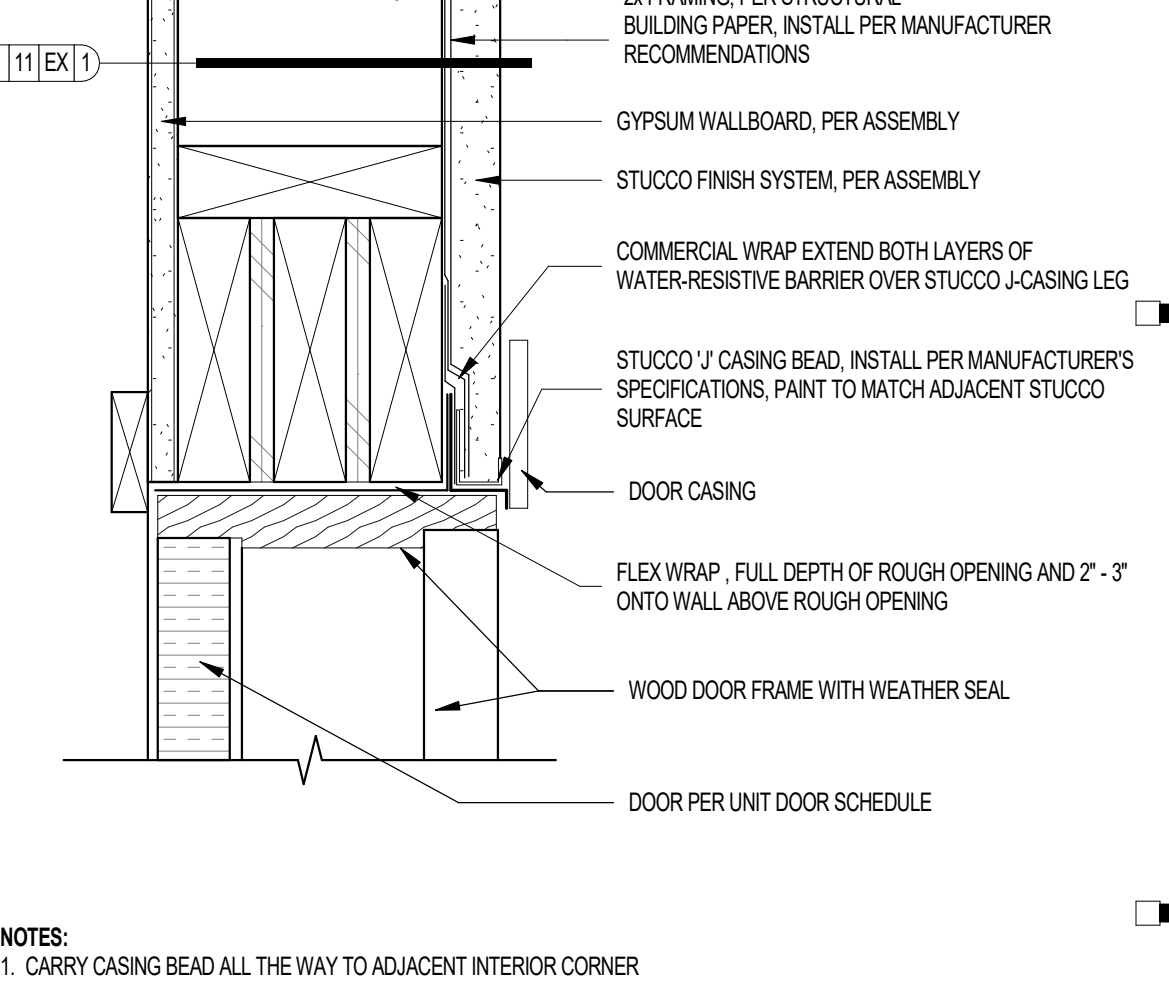
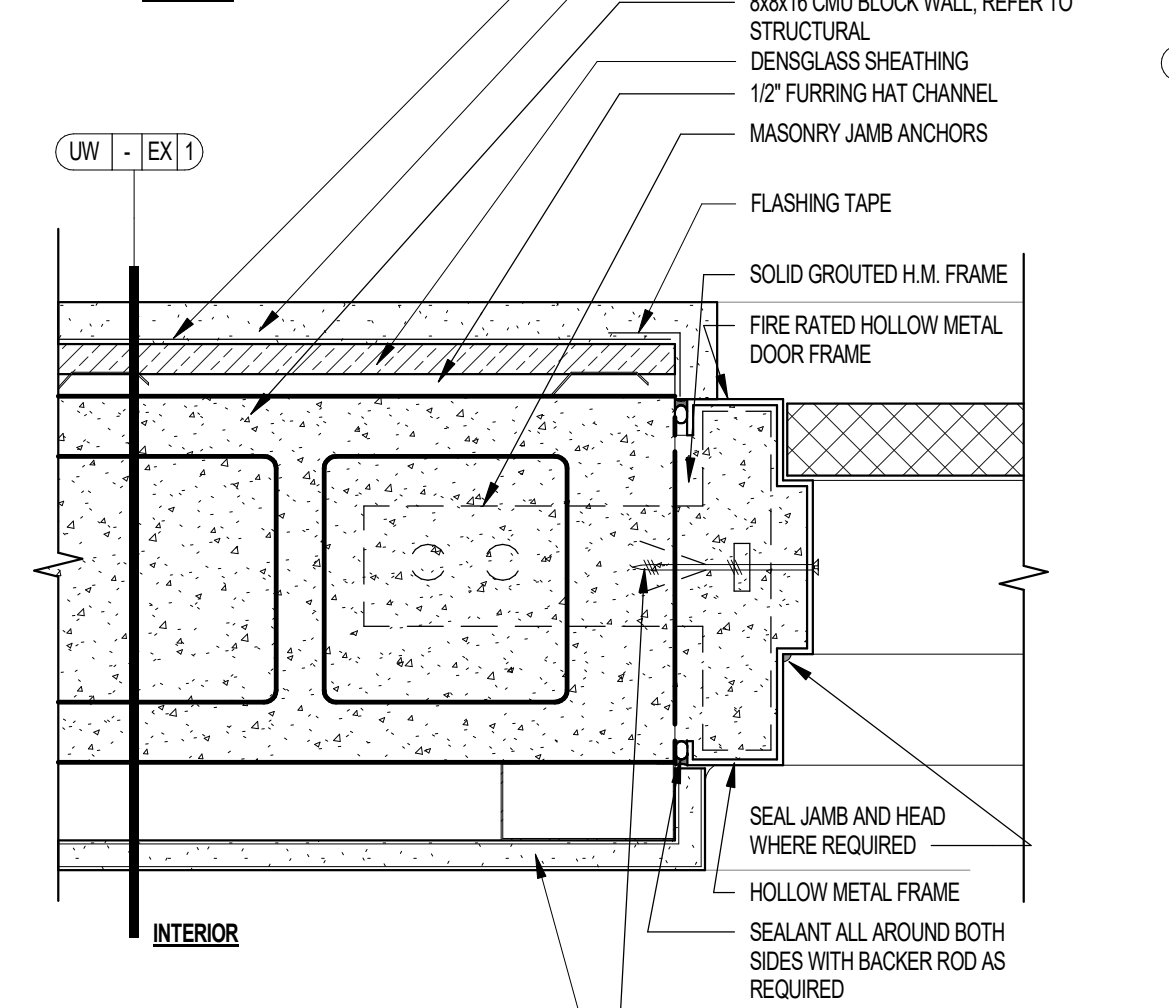
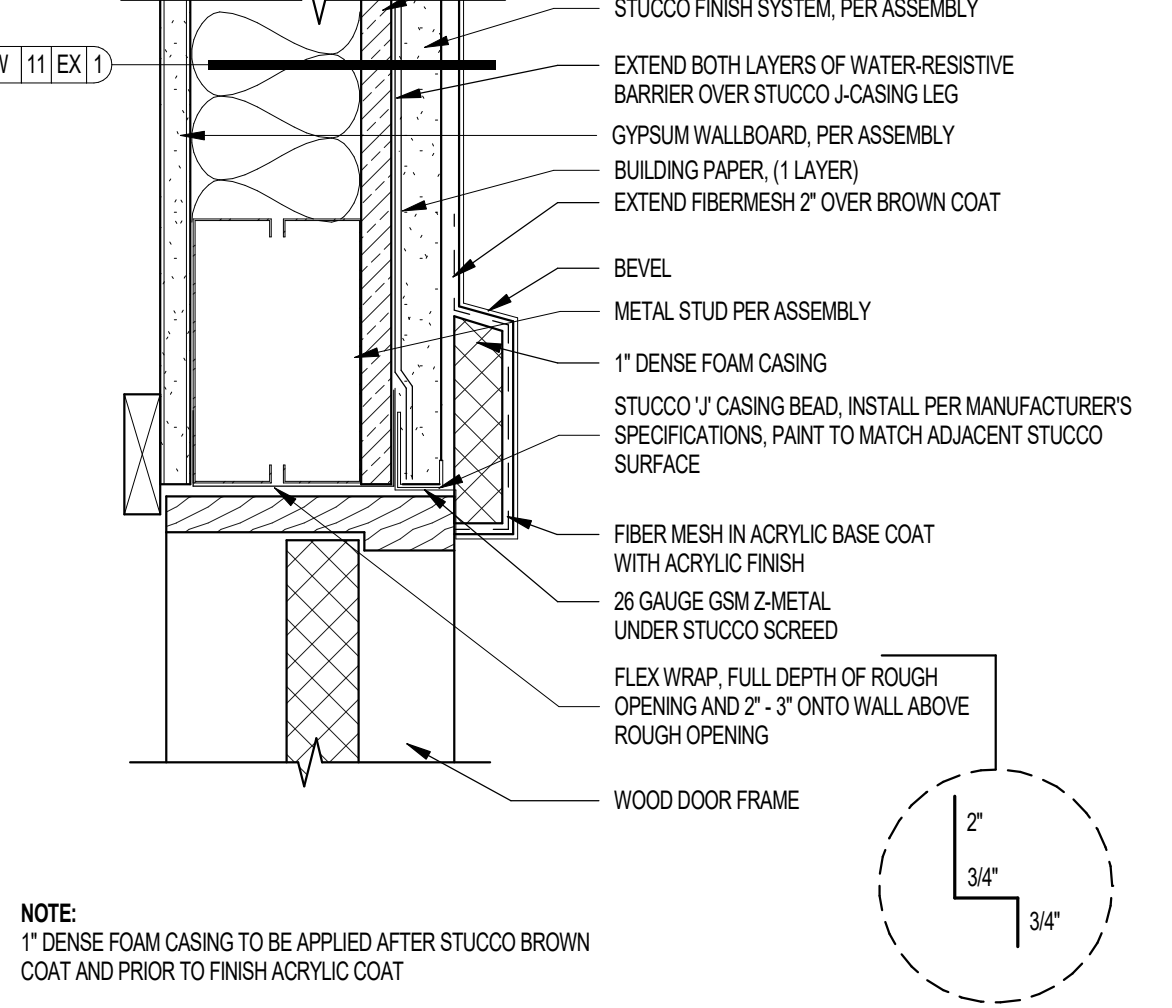
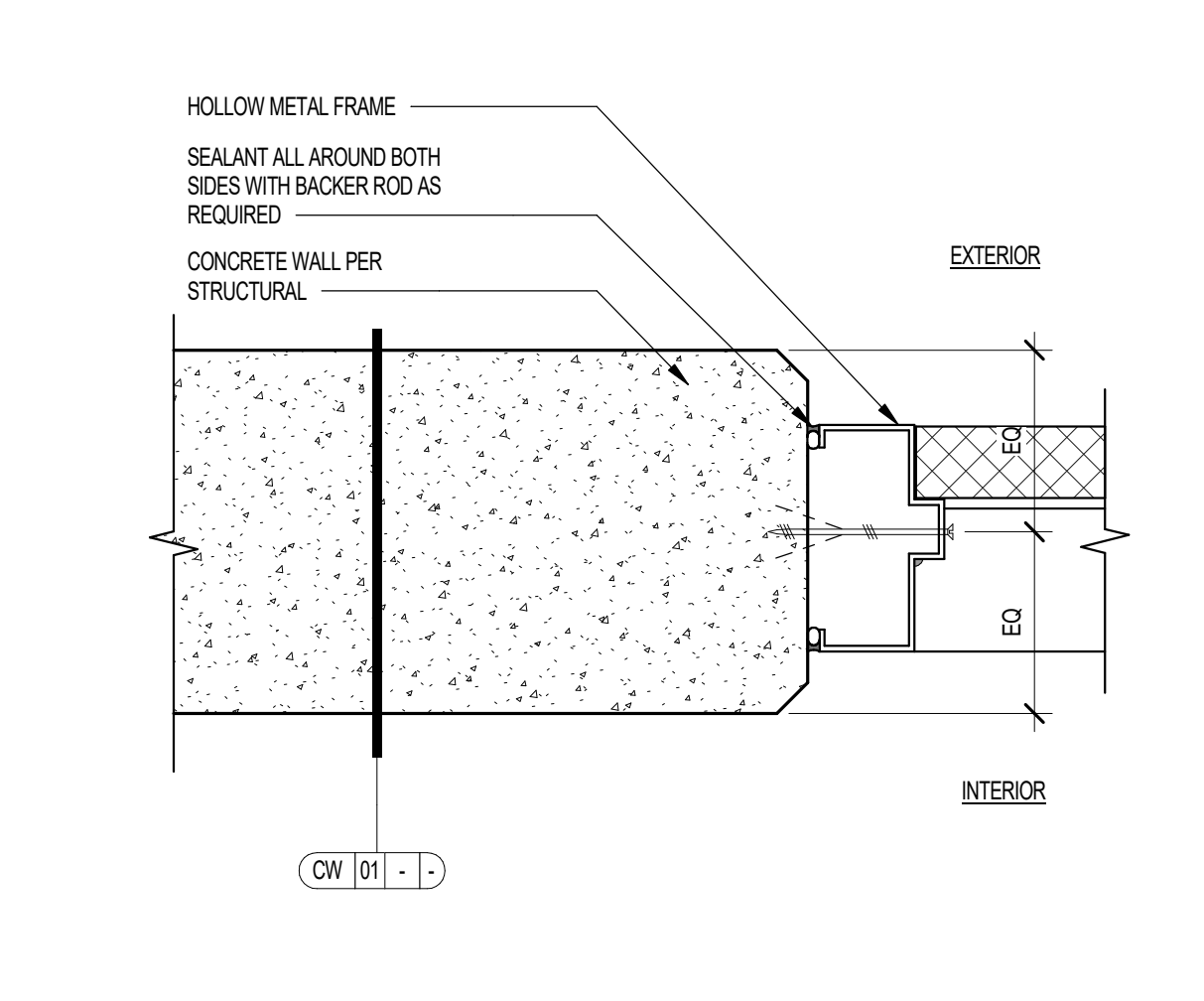
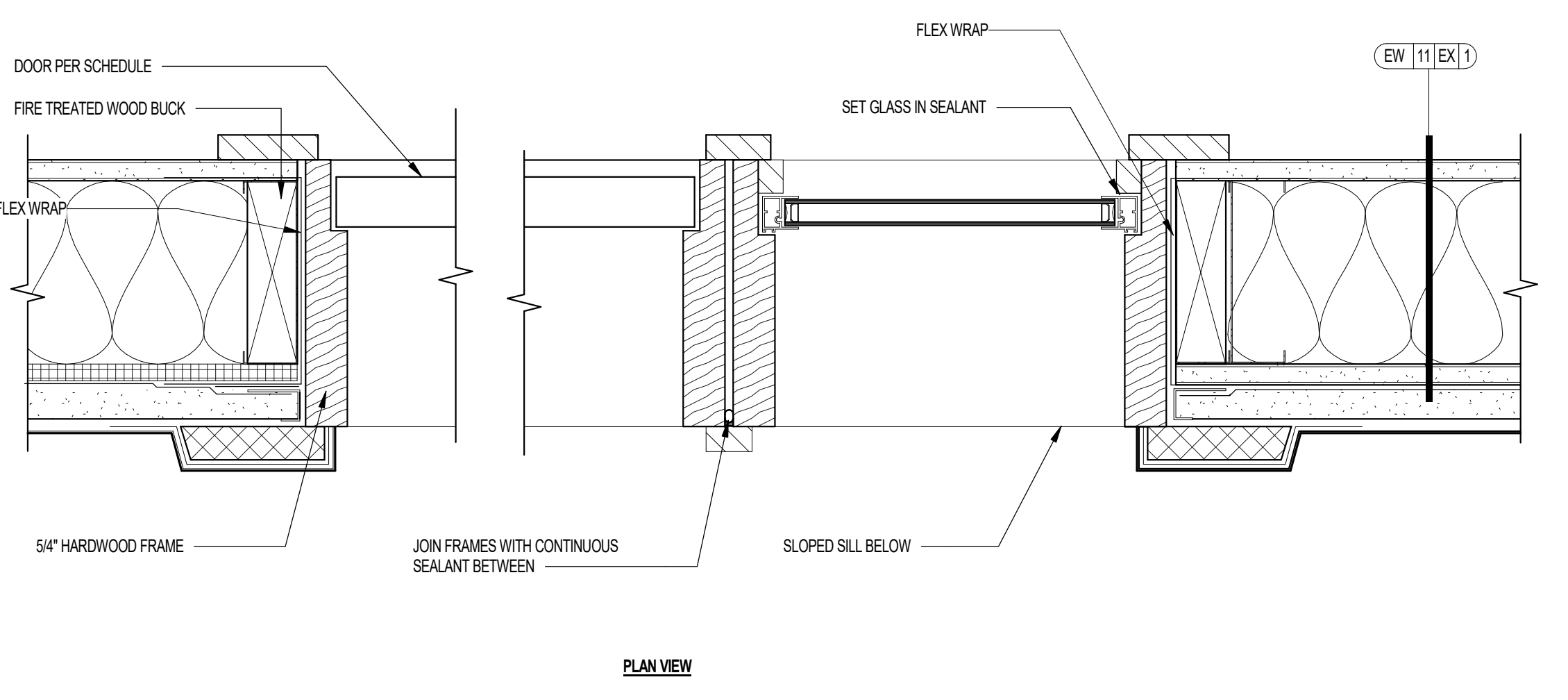
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A7.4.90
 ROOF - CEILING DETAILS TILE & STANDING SEAM



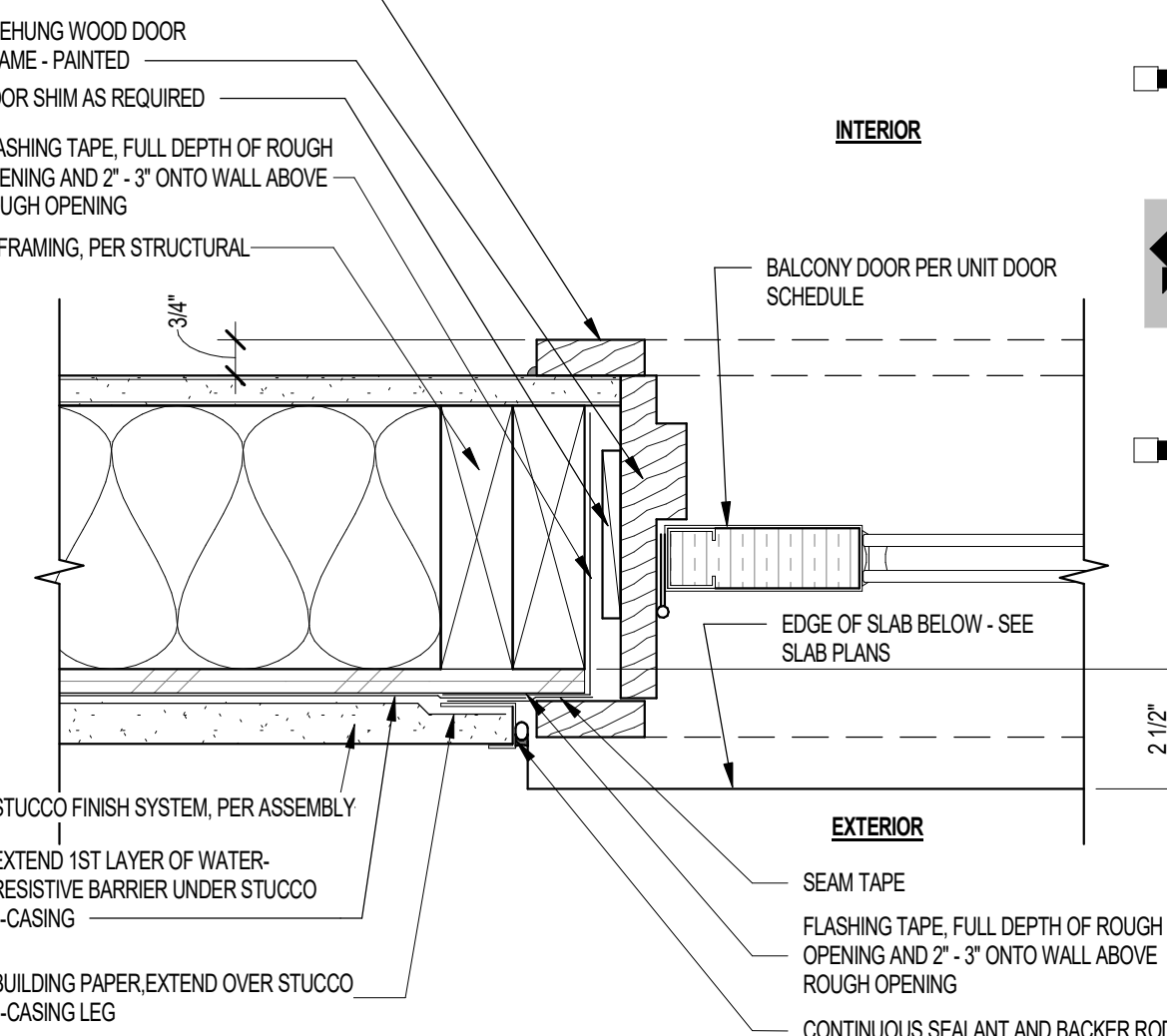
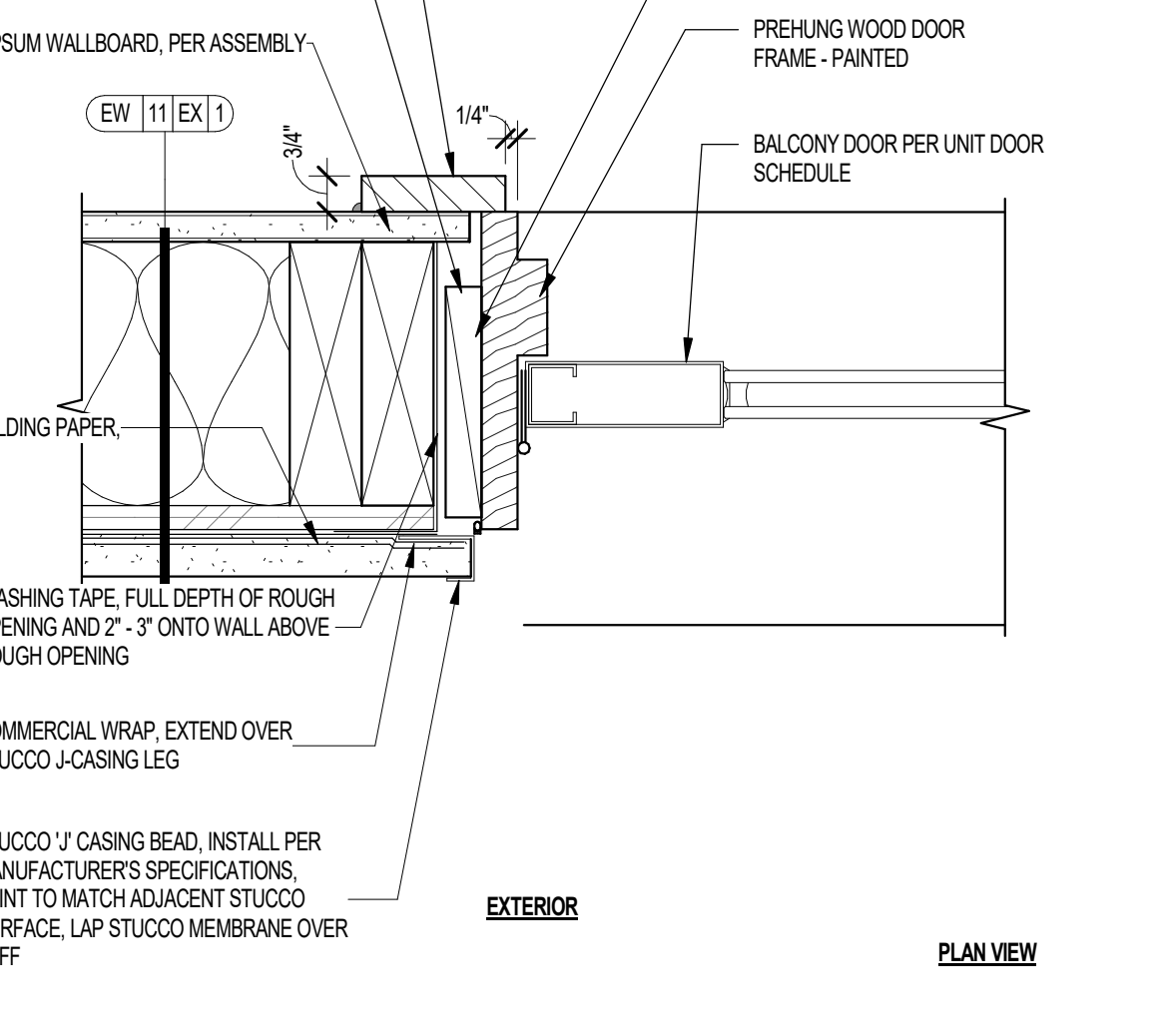
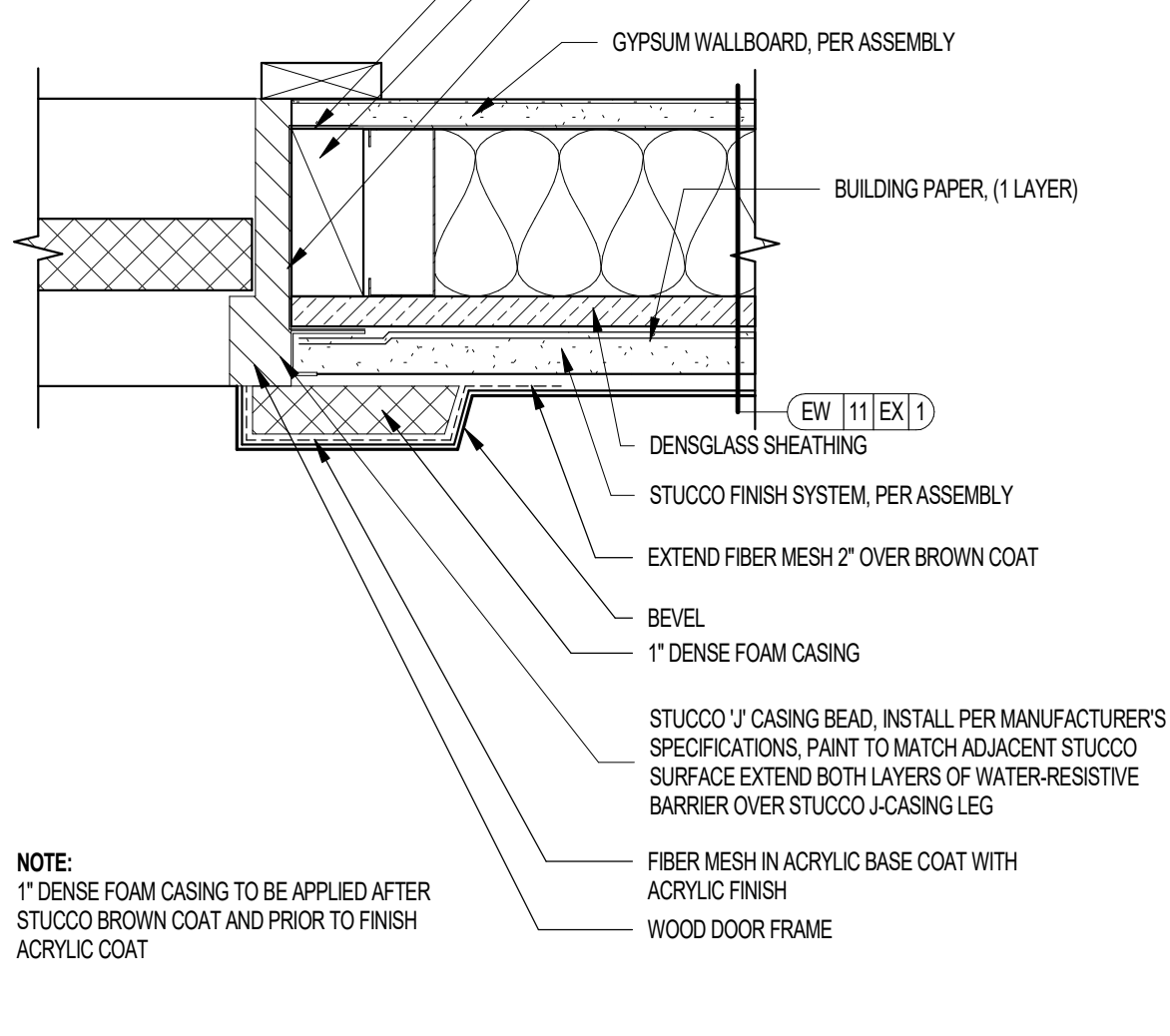
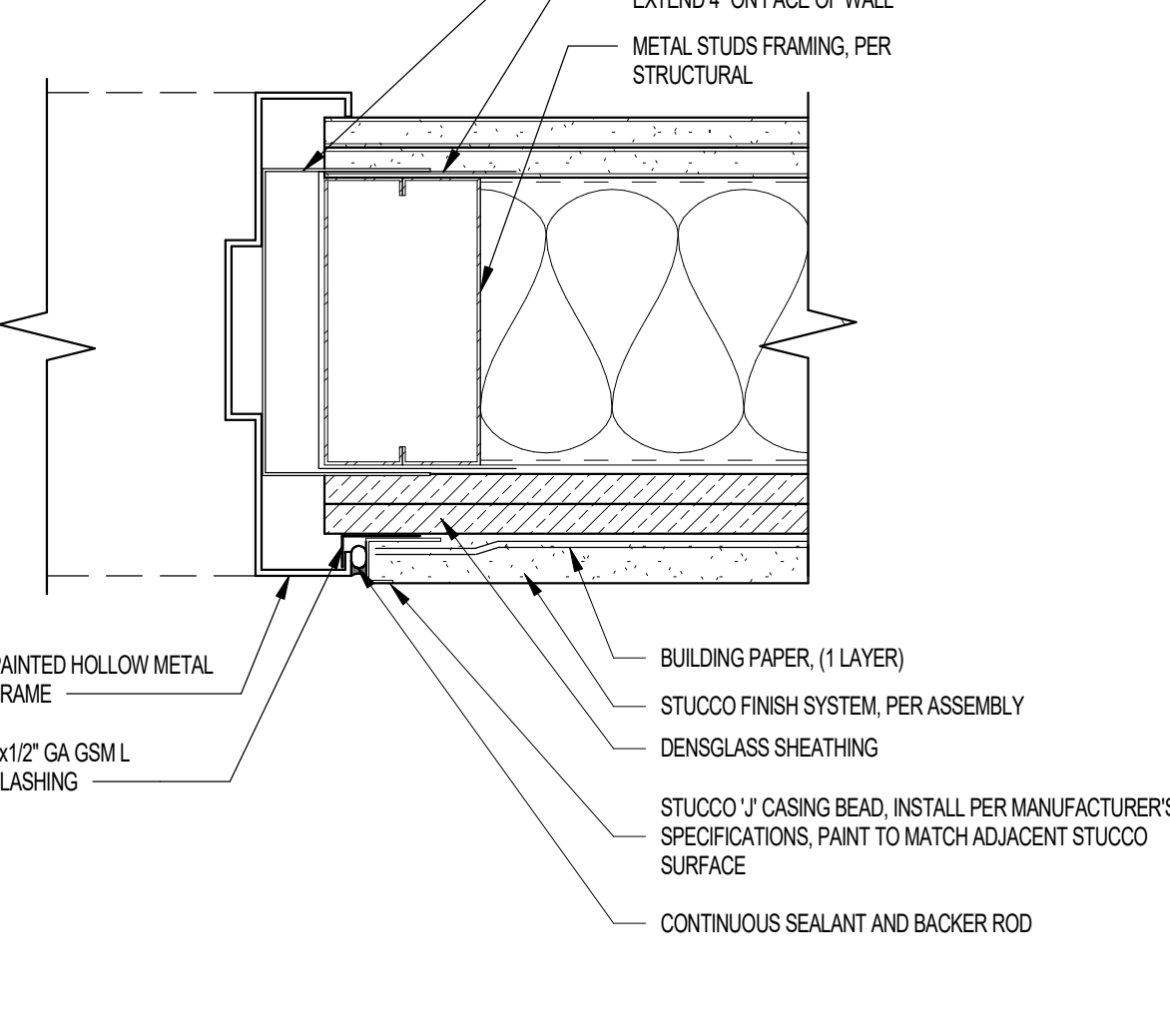
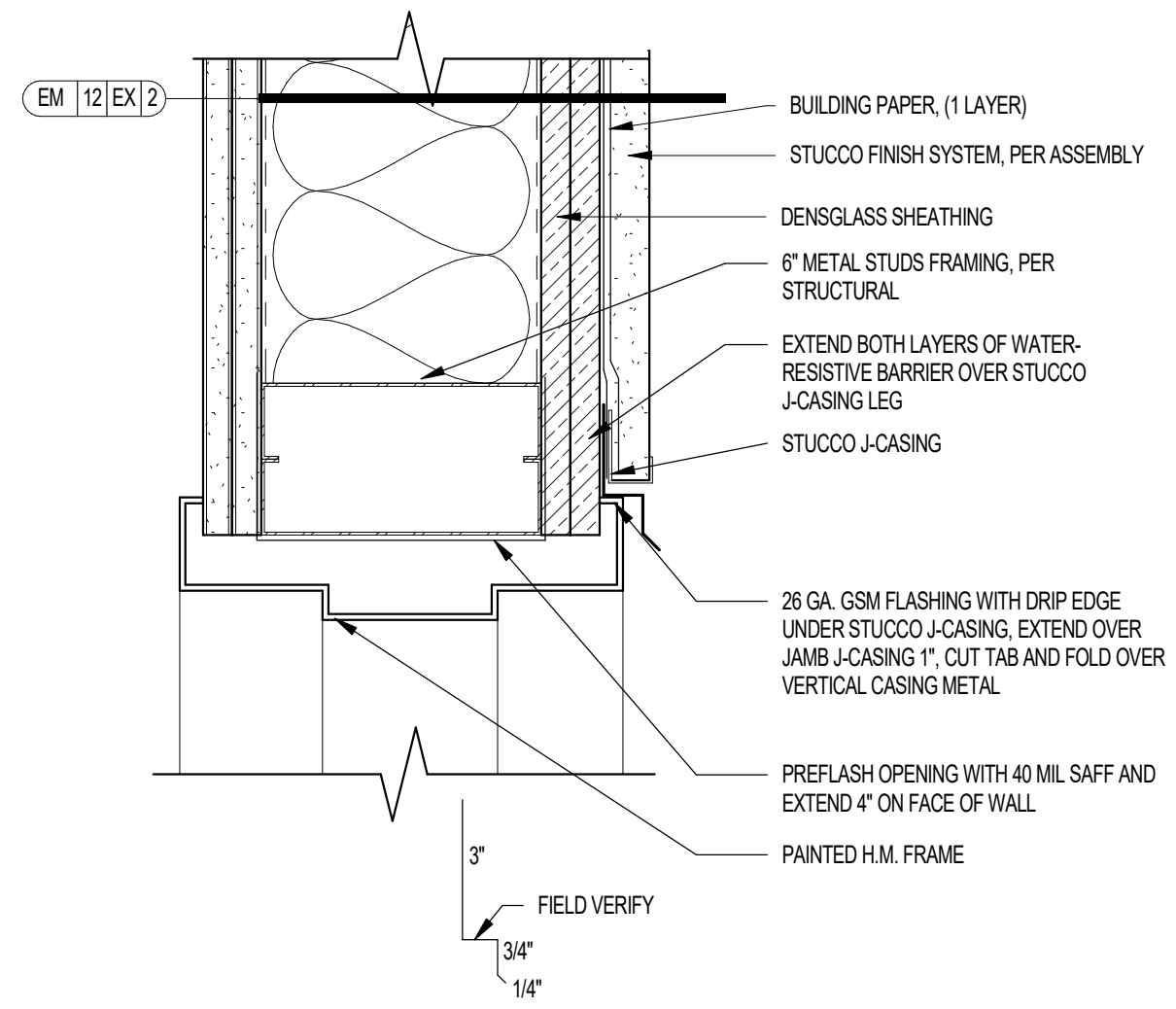
21 EXTERIOR WOOD DOOR & SIDELITE FRAME JAMBS

13 HOLLOW METAL DOOR FRAME @ CONCRETE WALL

09 EXTERIOR WOOD DOOR FRAME HEAD AT METAL FRAMING

05 HM. DOOR JAMB AT CMU WALL W/ STUCCO FINISH

01 COVERED BALCONY DOOR HEAD



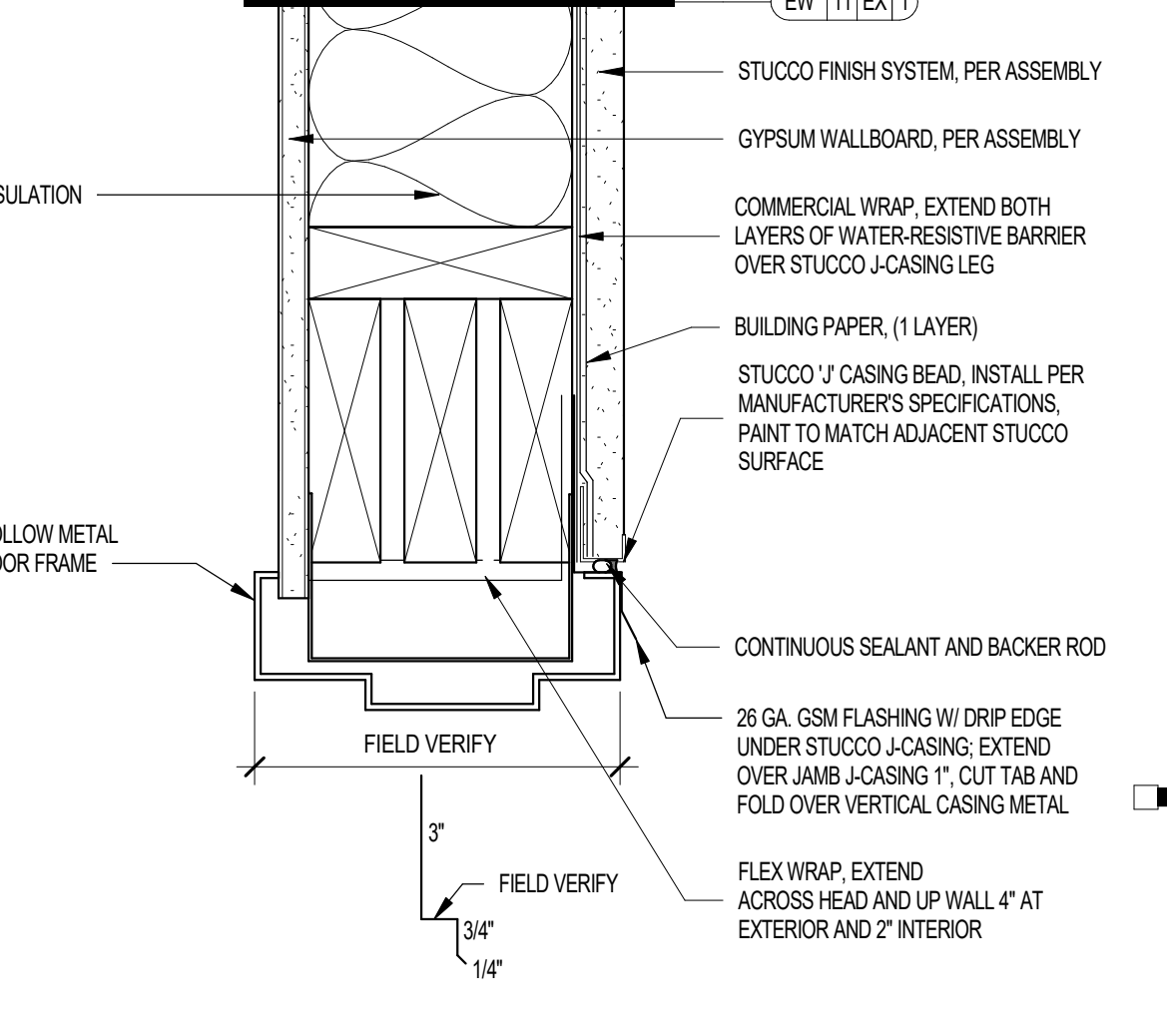
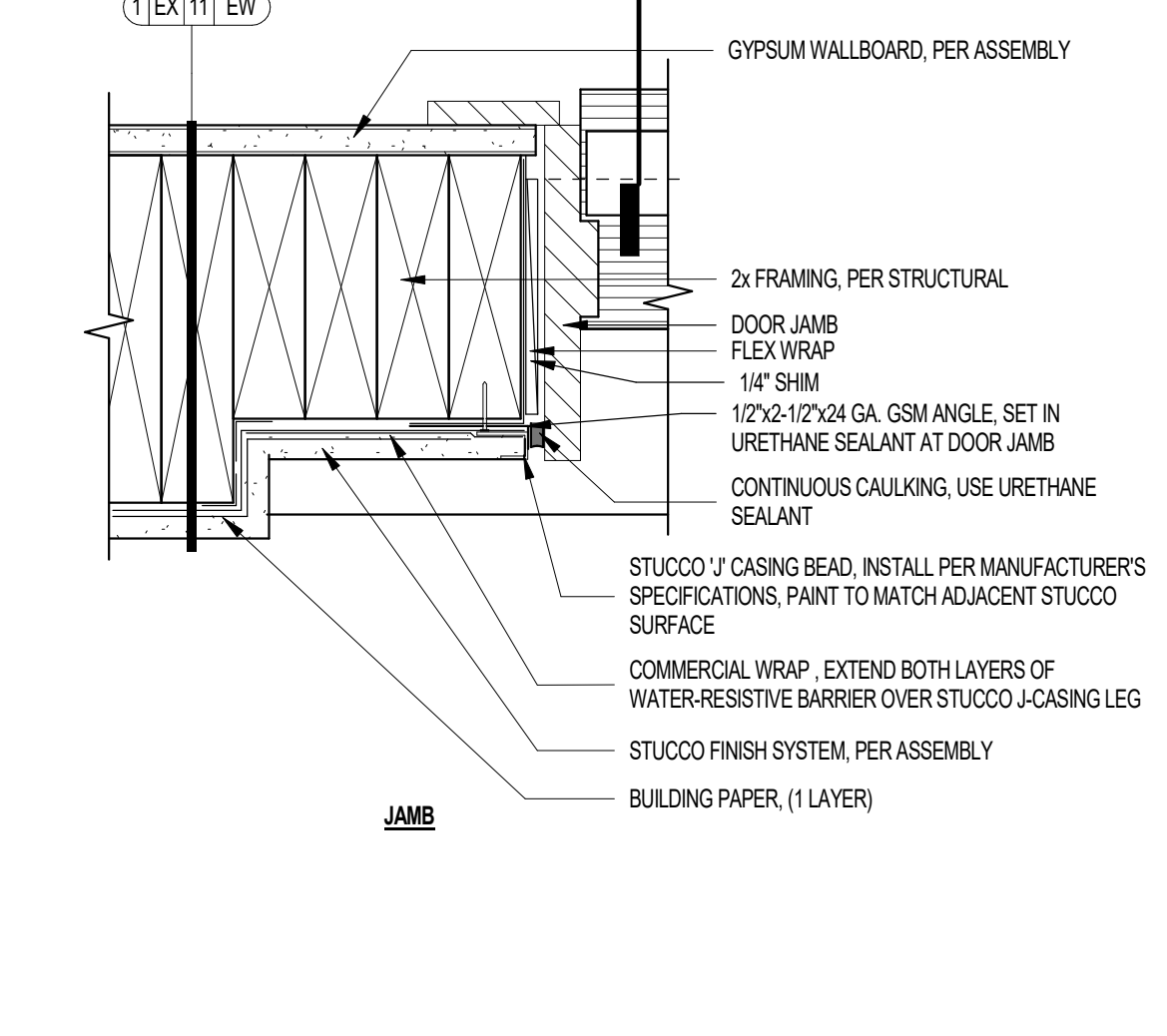
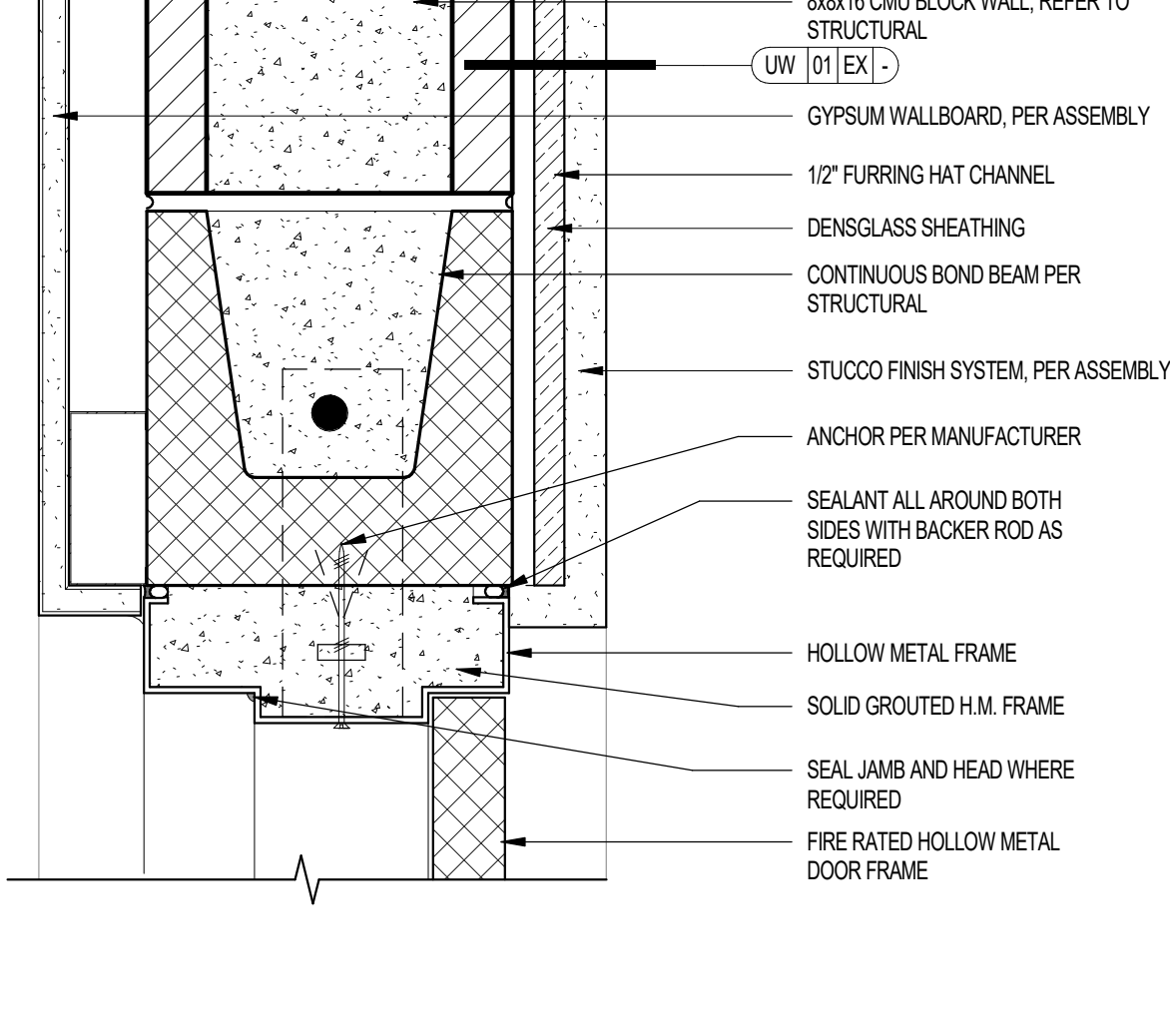
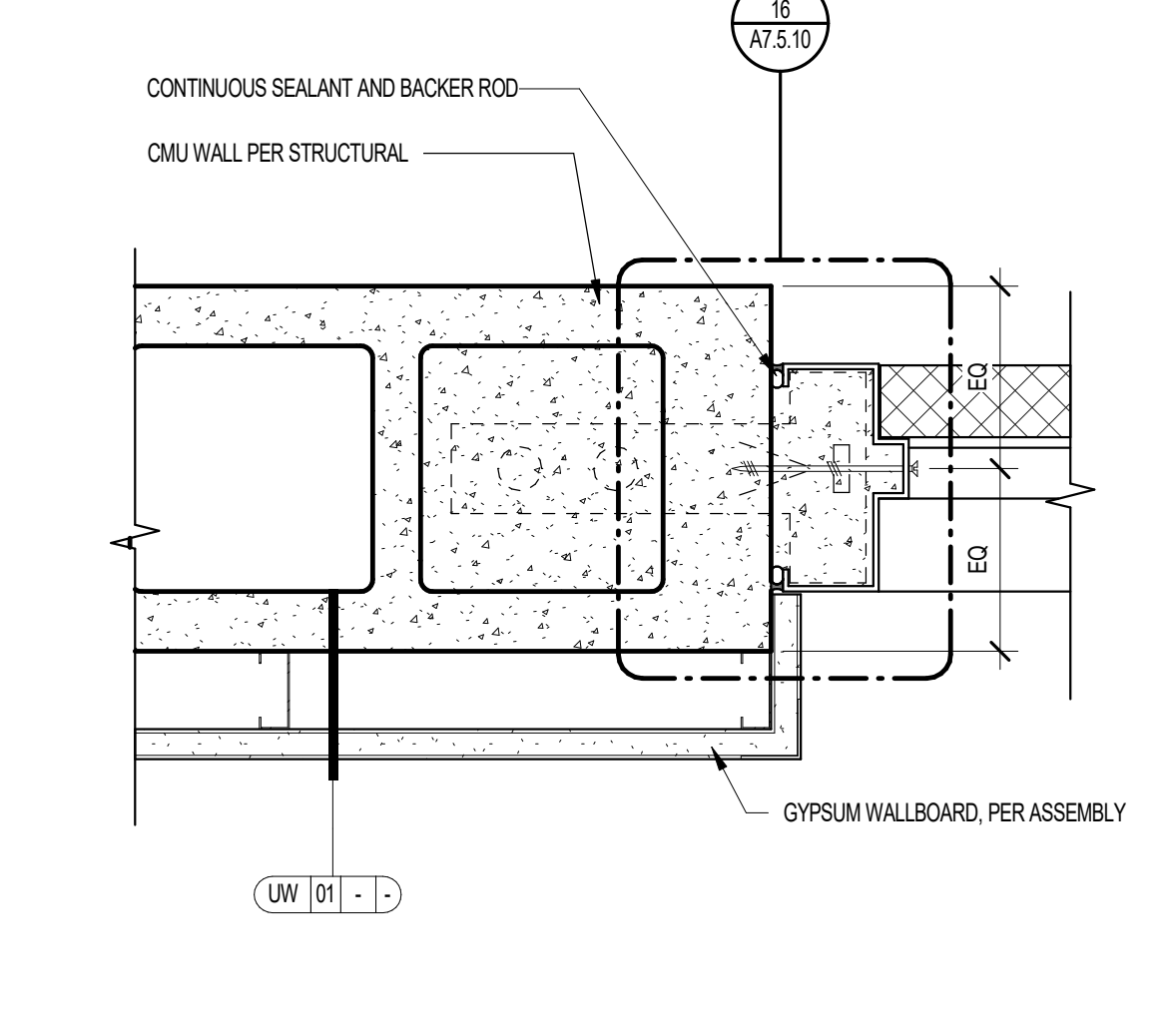
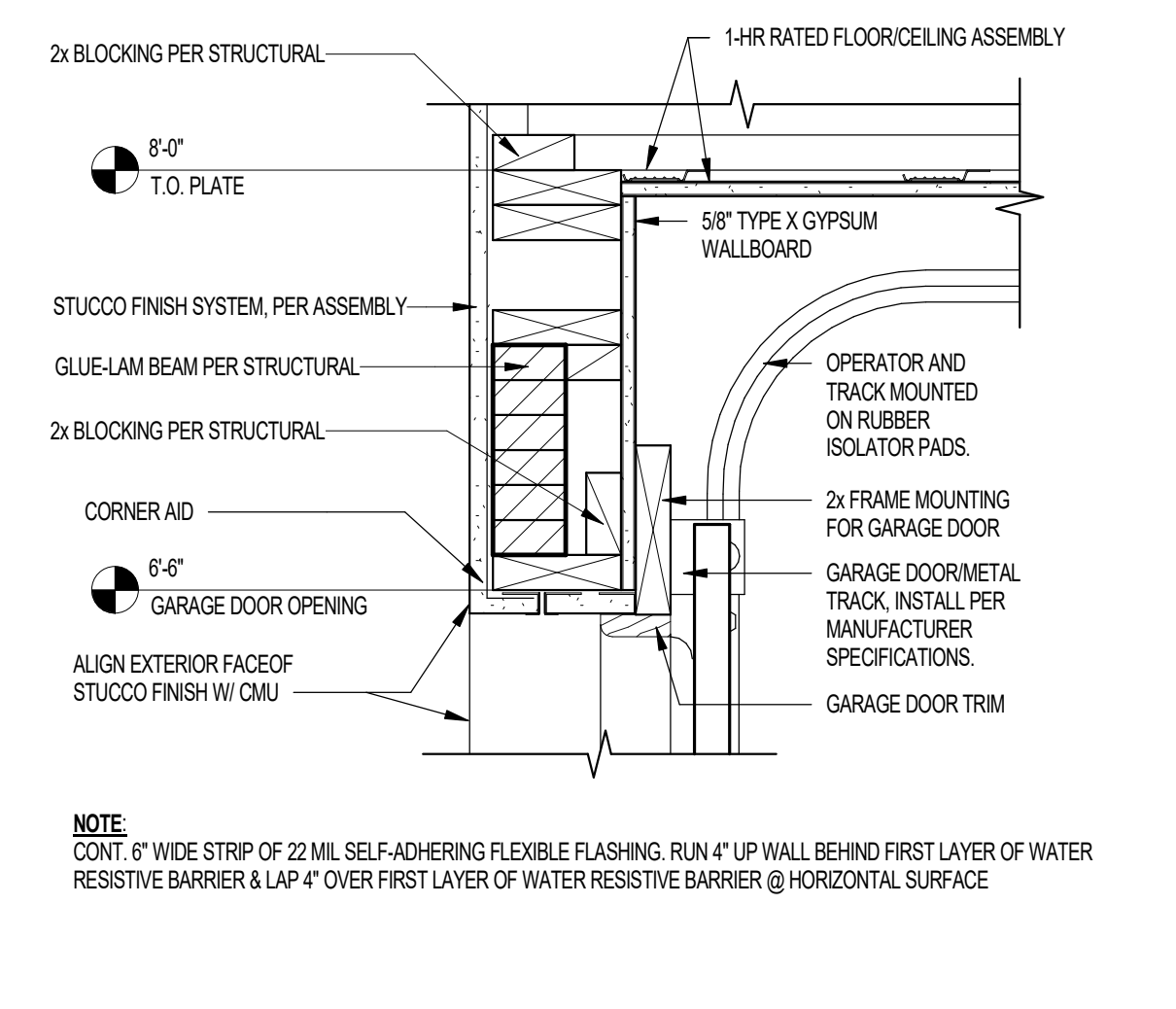
18 EXTERIOR HOLLOW METAL DOOR HEAD AT 2 HR METAL FRAMING

14 EXTERIOR HOLLOW METAL DOOR JAMB AT 2 HR METAL FRAMING

10 EXTERIOR WOOD DOOR FRAME JAMB AT METAL FRAMING

06 JULIETTE BALCONY DOOR JAMB

02 COVERED BALCONY FIBERGLASS DOOR JAMB



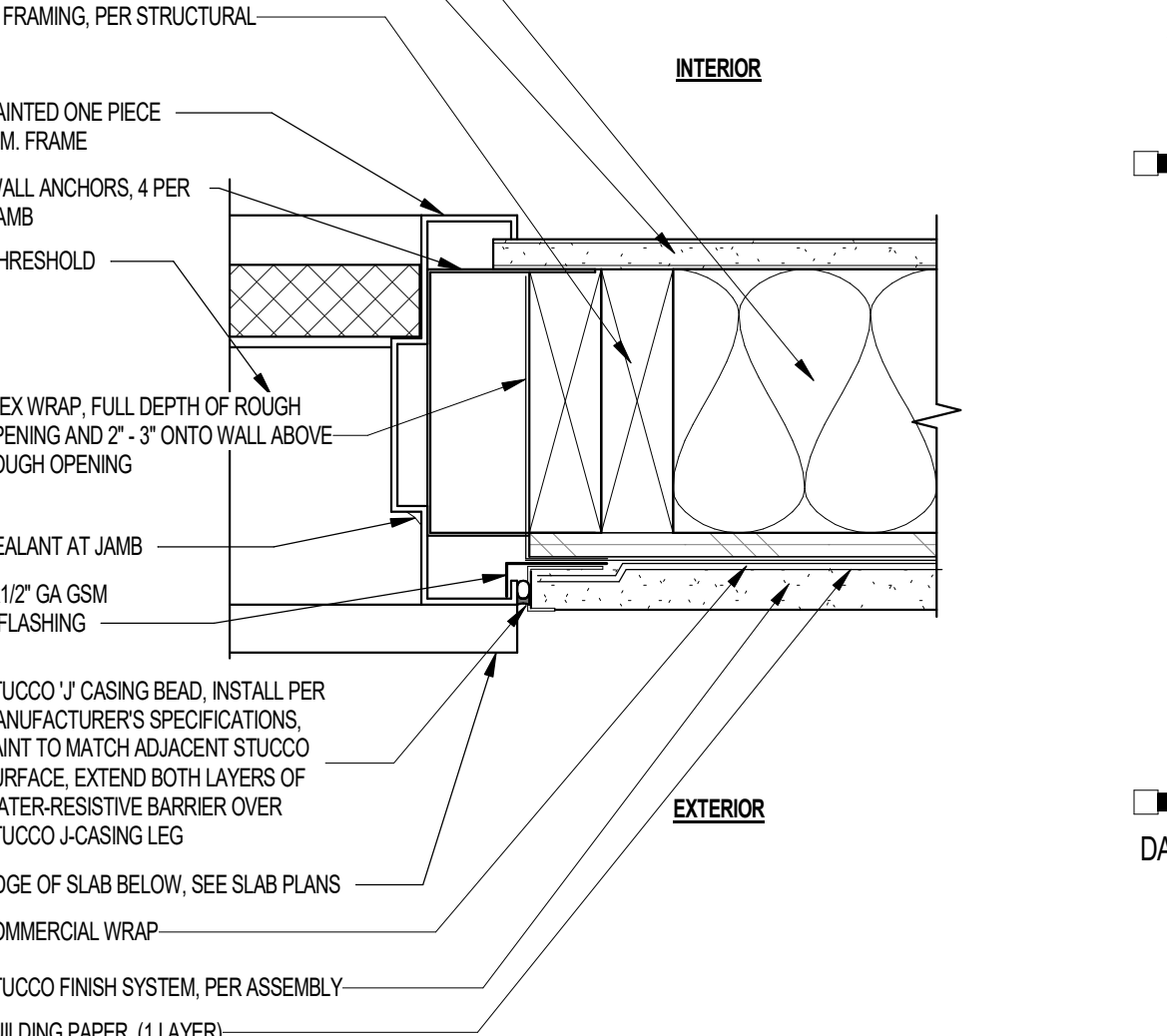
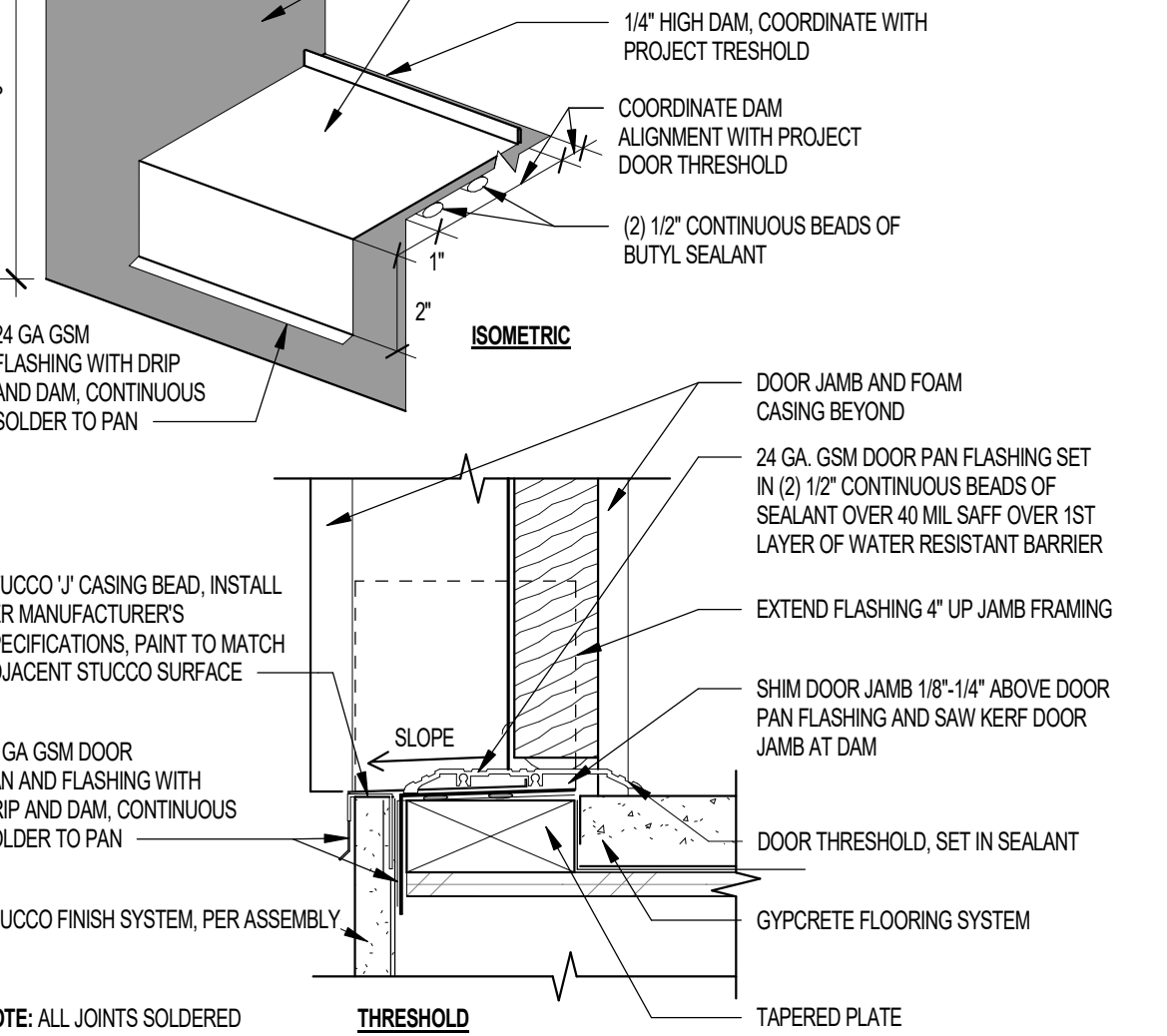
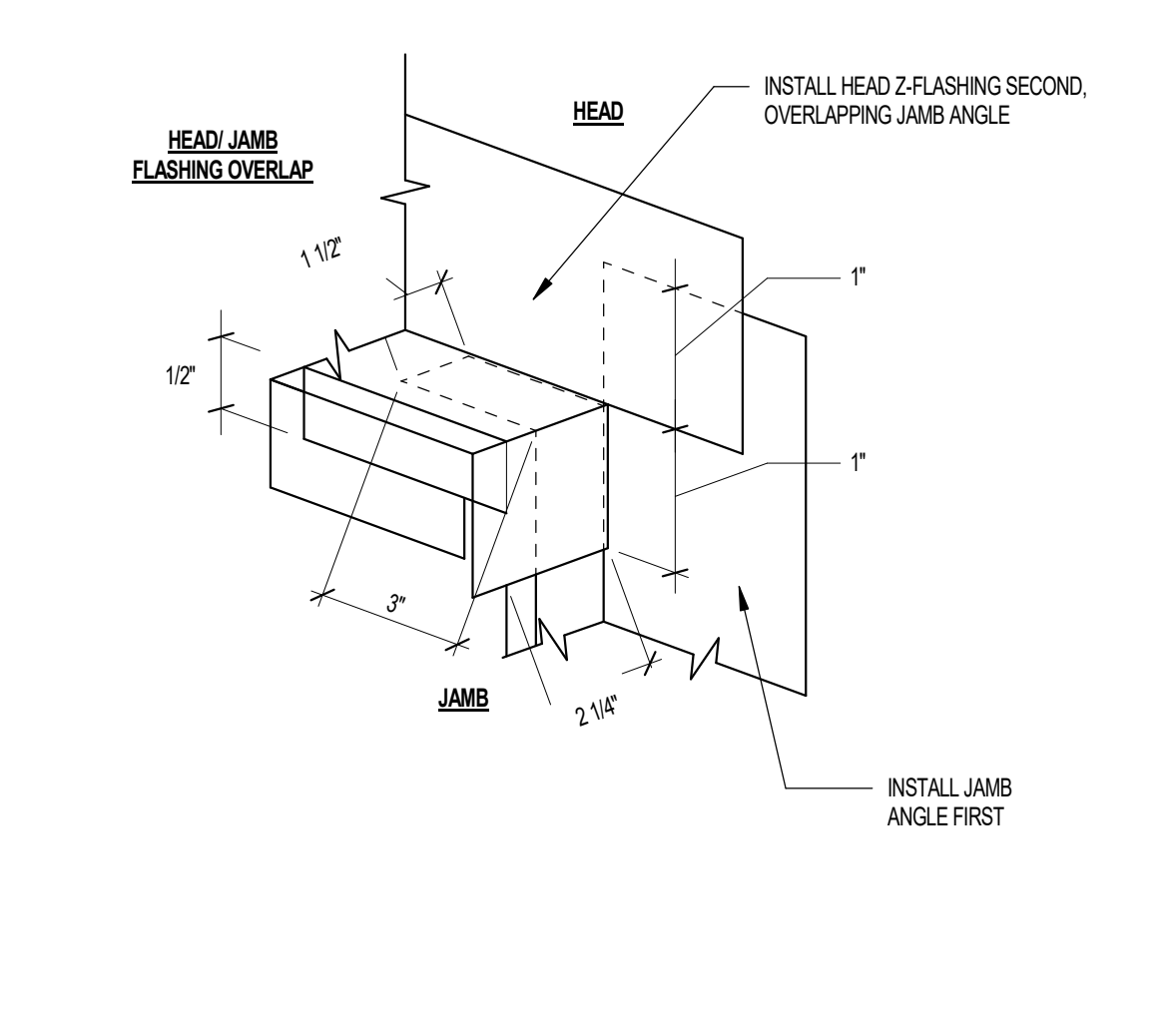
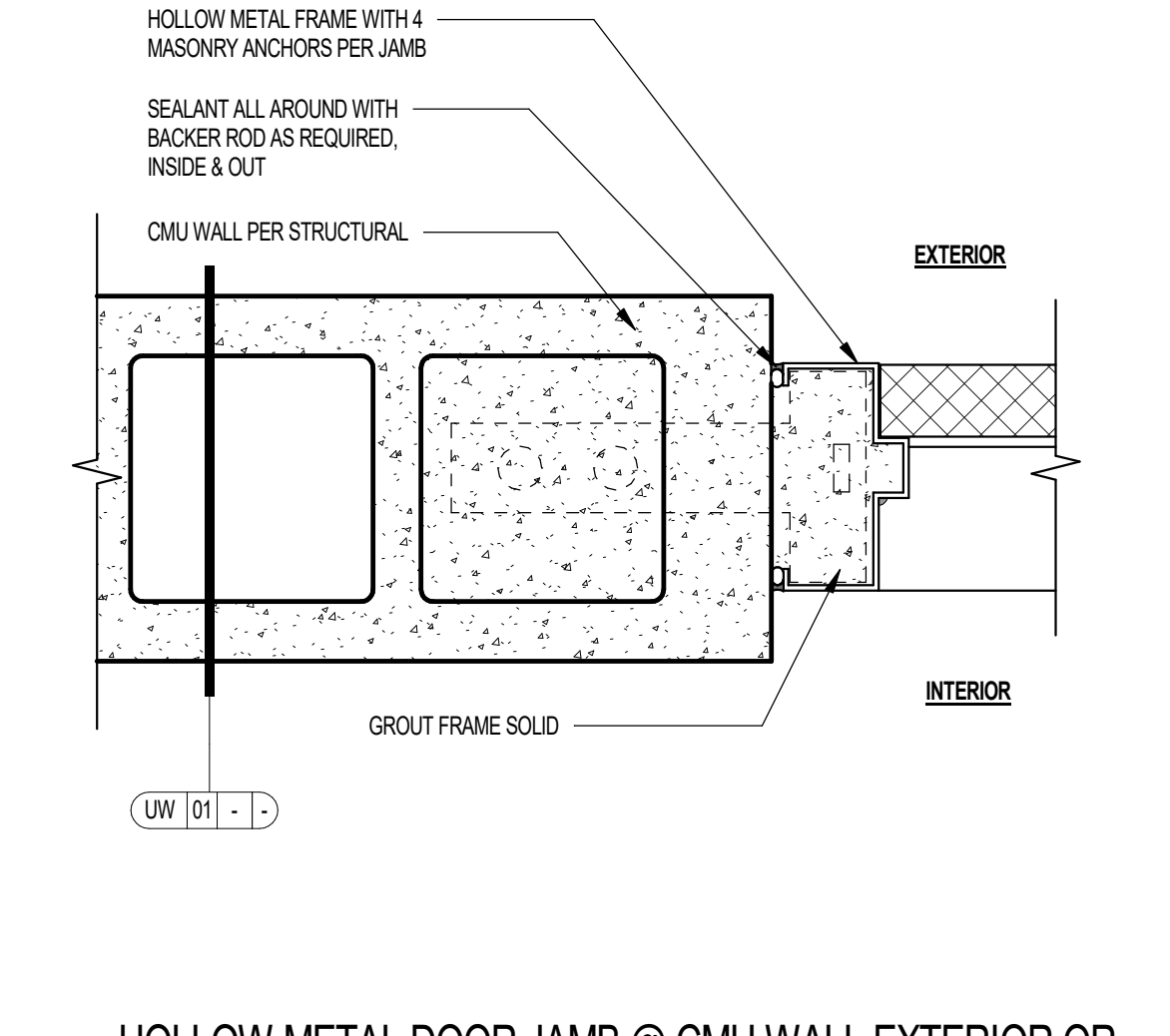
19 GARAGE DOOR HEAD - CARRIAGE BLDG.

15 FURRED CMU WALL AT HM DOOR JAMB INTERIOR WALL

11 HM. DOOR HEAD AT CMU WALL W/ STUCCO FINISH

07 RECESSED JULIETTE DOOR @ JAMB

03 EXTERIOR HOLLOW METAL FRAME - HEAD



16 HOLLOW METAL DOOR JAMB @ CMU WALL EXTERIOR OR NON-FINISHED CONDITIONS

12 STUCCO FLASHING DOOR HEAD @ CORNER

08 JULIETTE DOOR SILL @ UPPER LEVELS

04 EXTERIOR HOLLOW METAL FRAME - JAMB

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Notice of alternate billing (or payment) cycle
This contract allows billing cycles to be changed by mutual agreement of the parties...

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

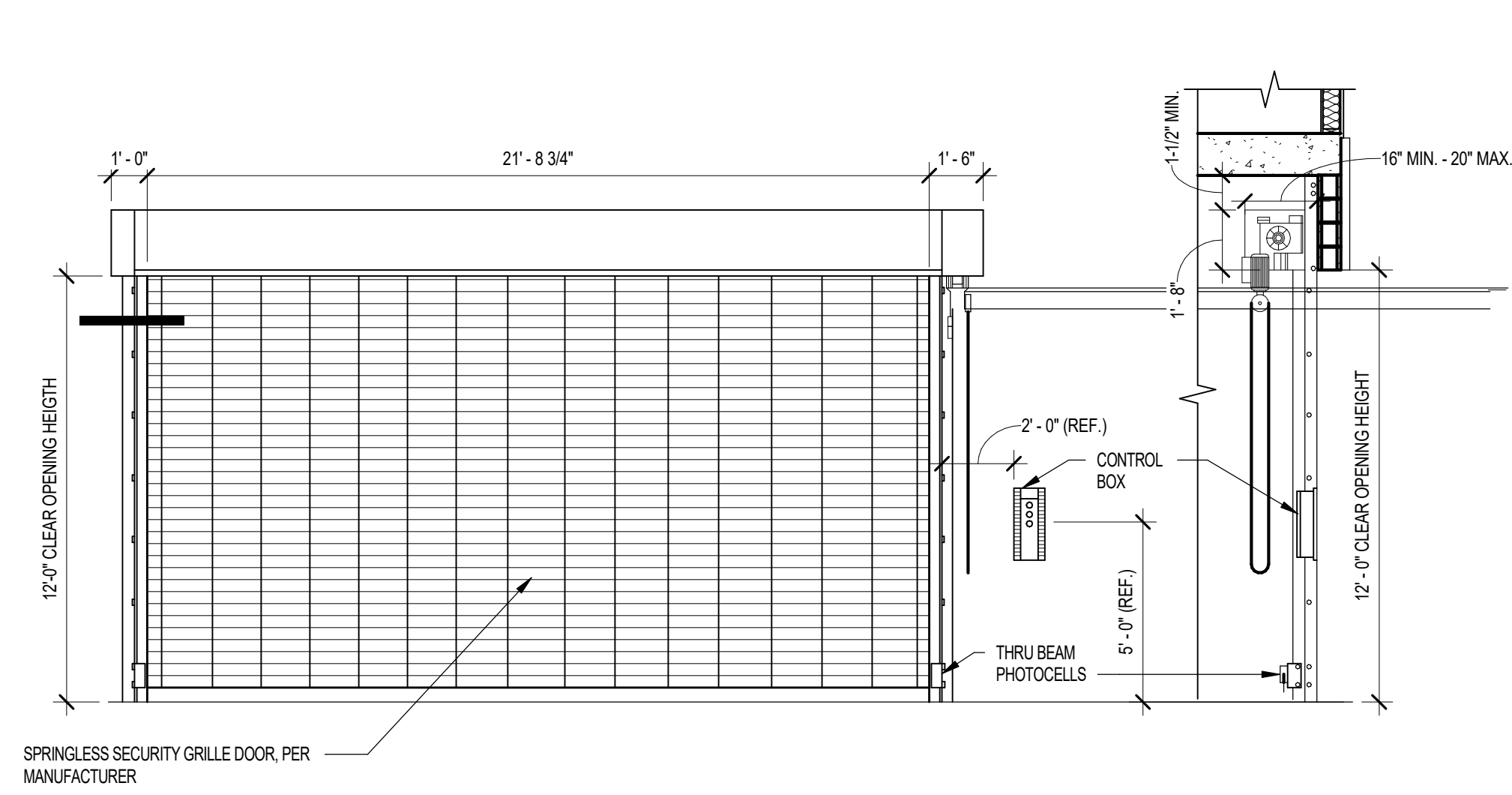
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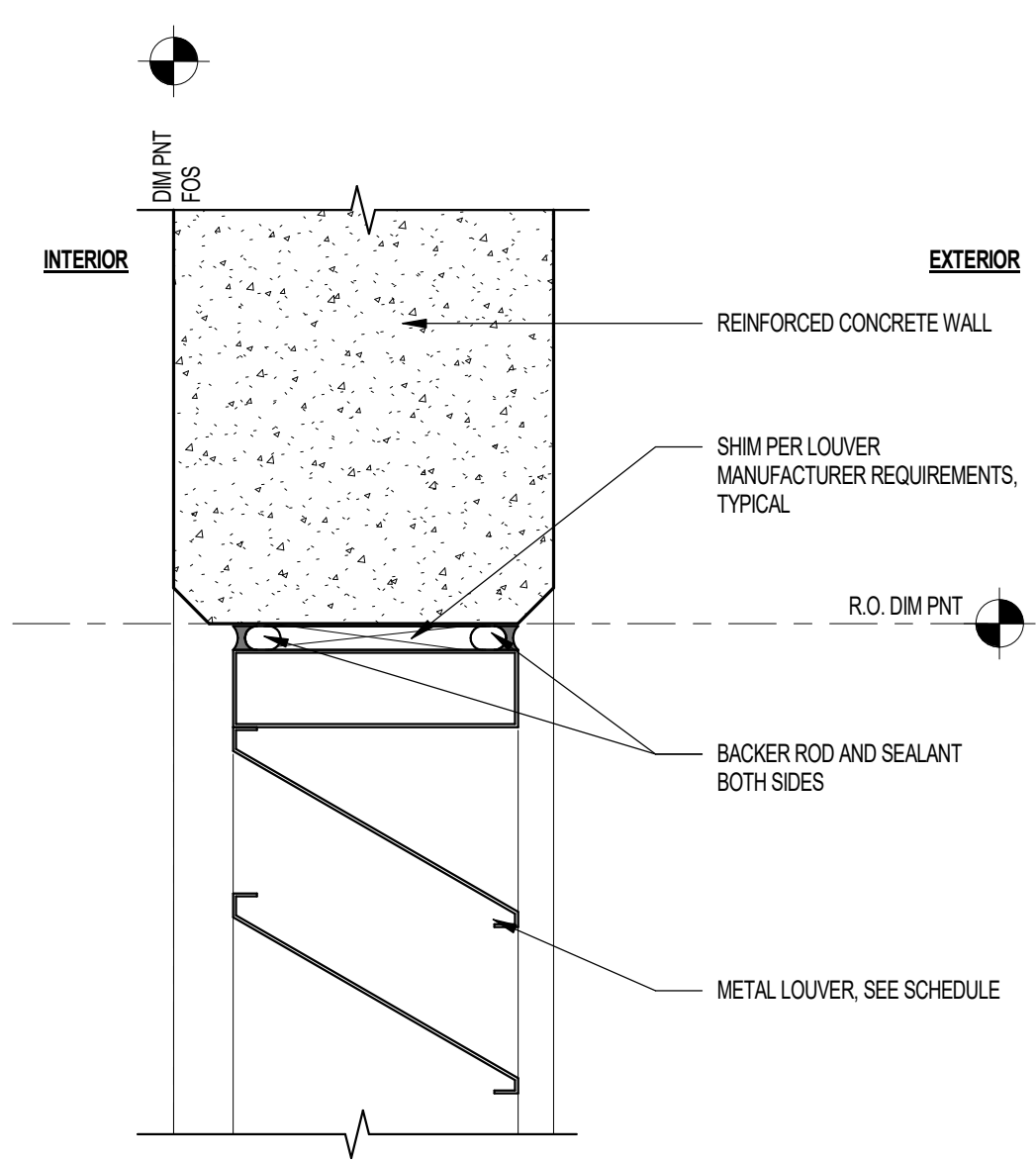
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DATE	DESCRIPTION

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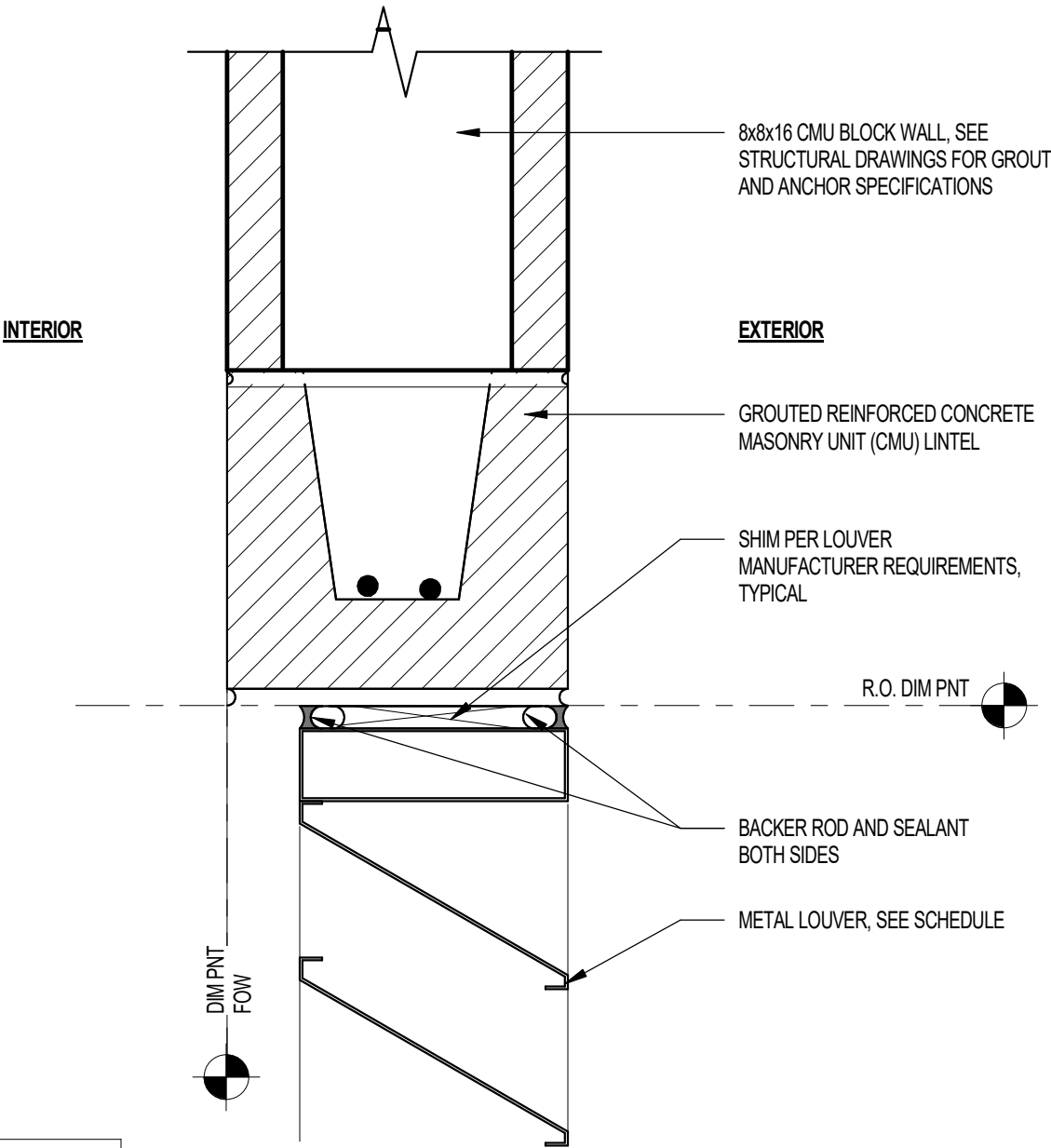
A7.5.10
EXTERIOR DOOR DETAILS



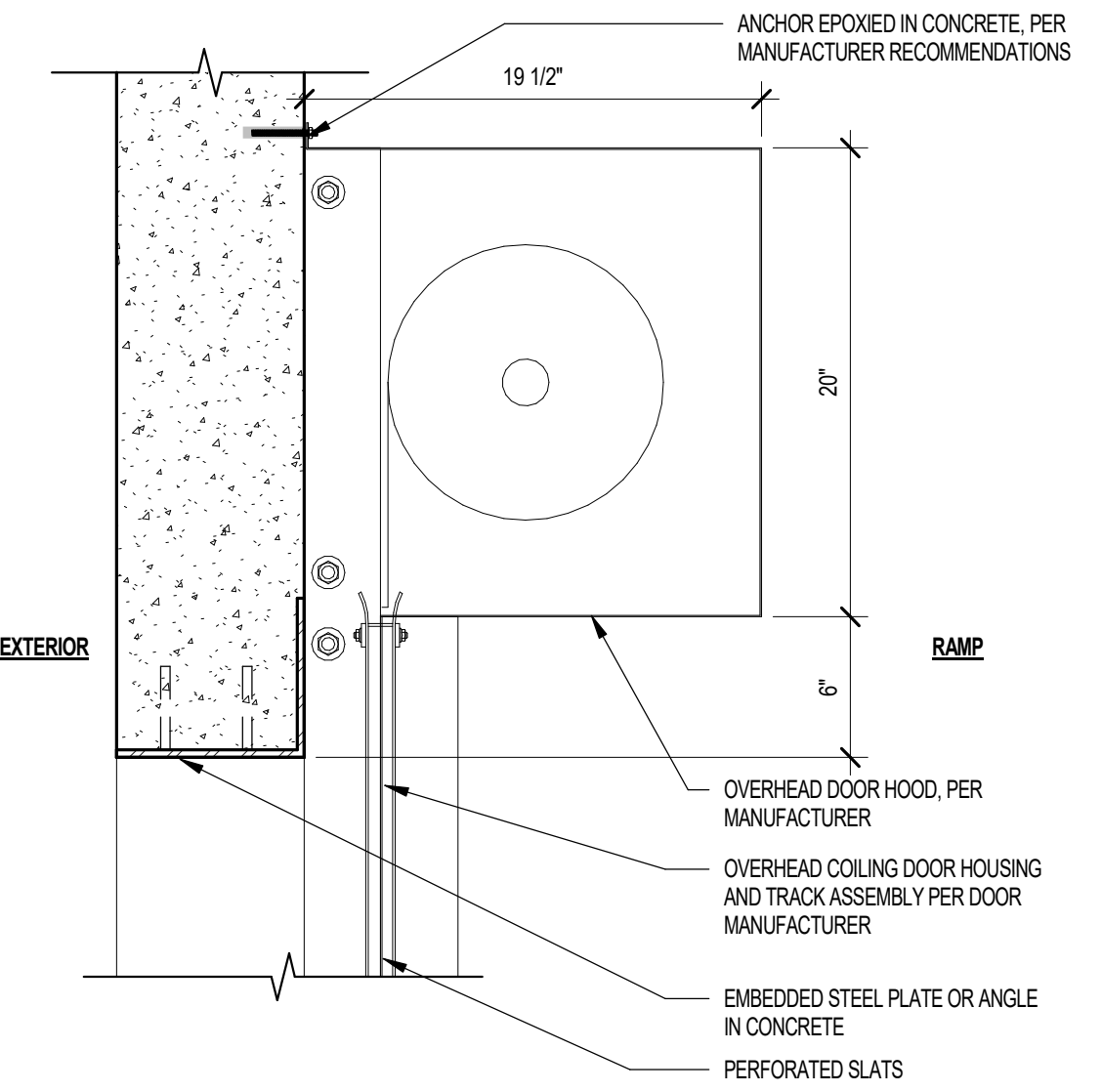
41 SPRINGLESS SECURITY GRILLE DOOR SCALE: 1/4" = 1'-0"



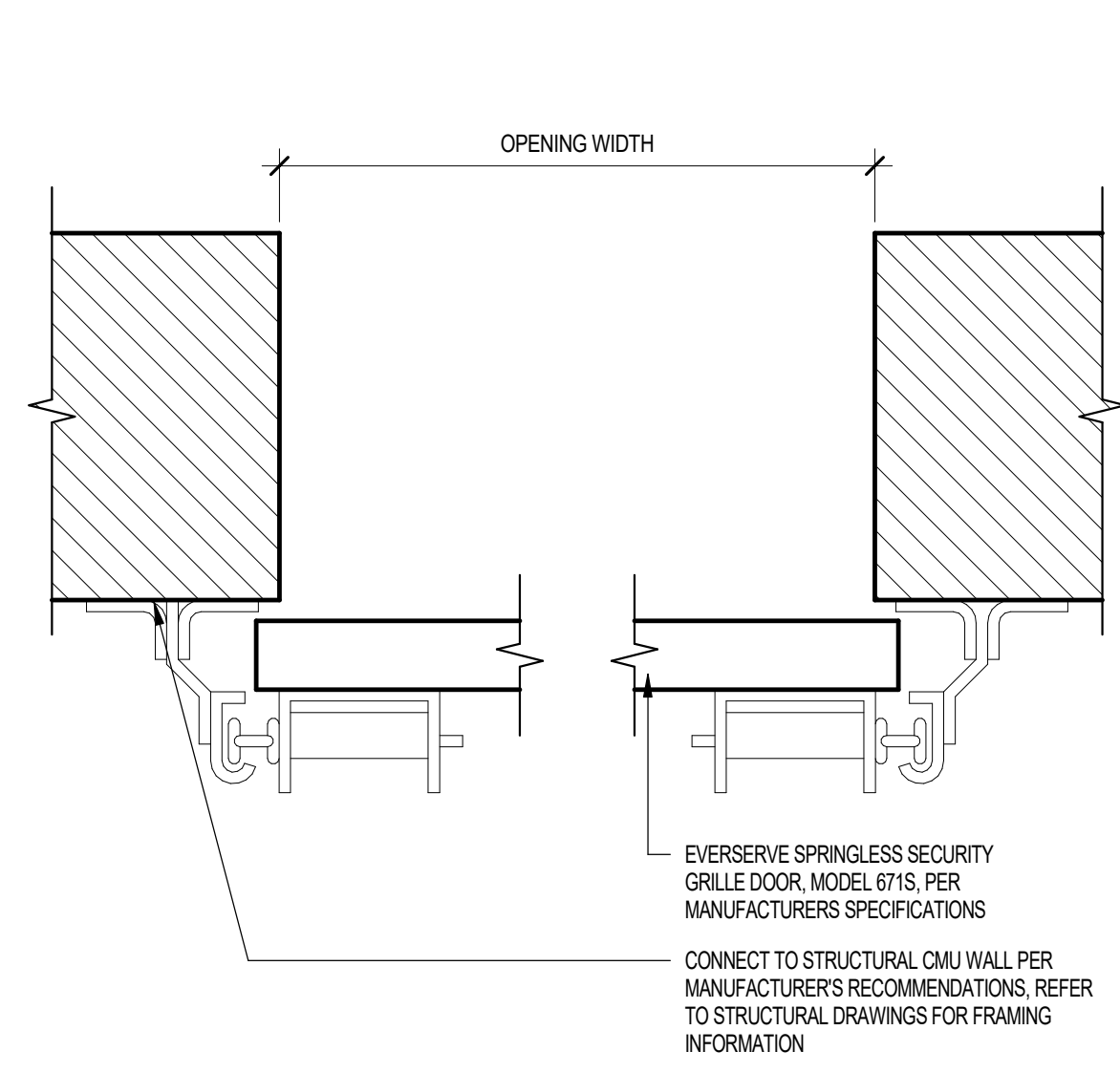
33 LOUVER HEAD AT CONCRETE WALL SCALE: 3/8" = 1'-0"



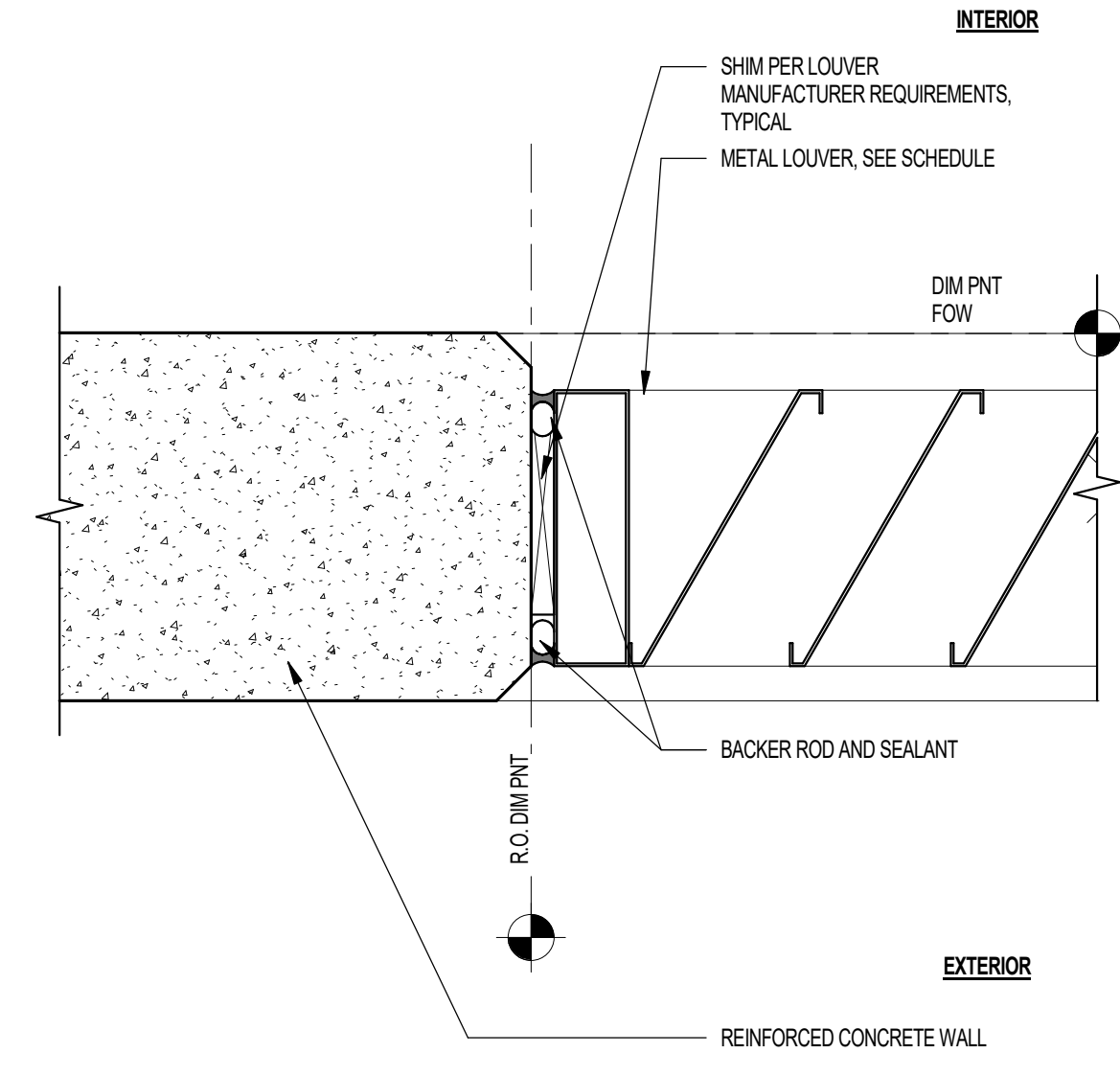
29 LOUVER HEAD AT CMU WALL SCALE: 3/8" = 1'-0"



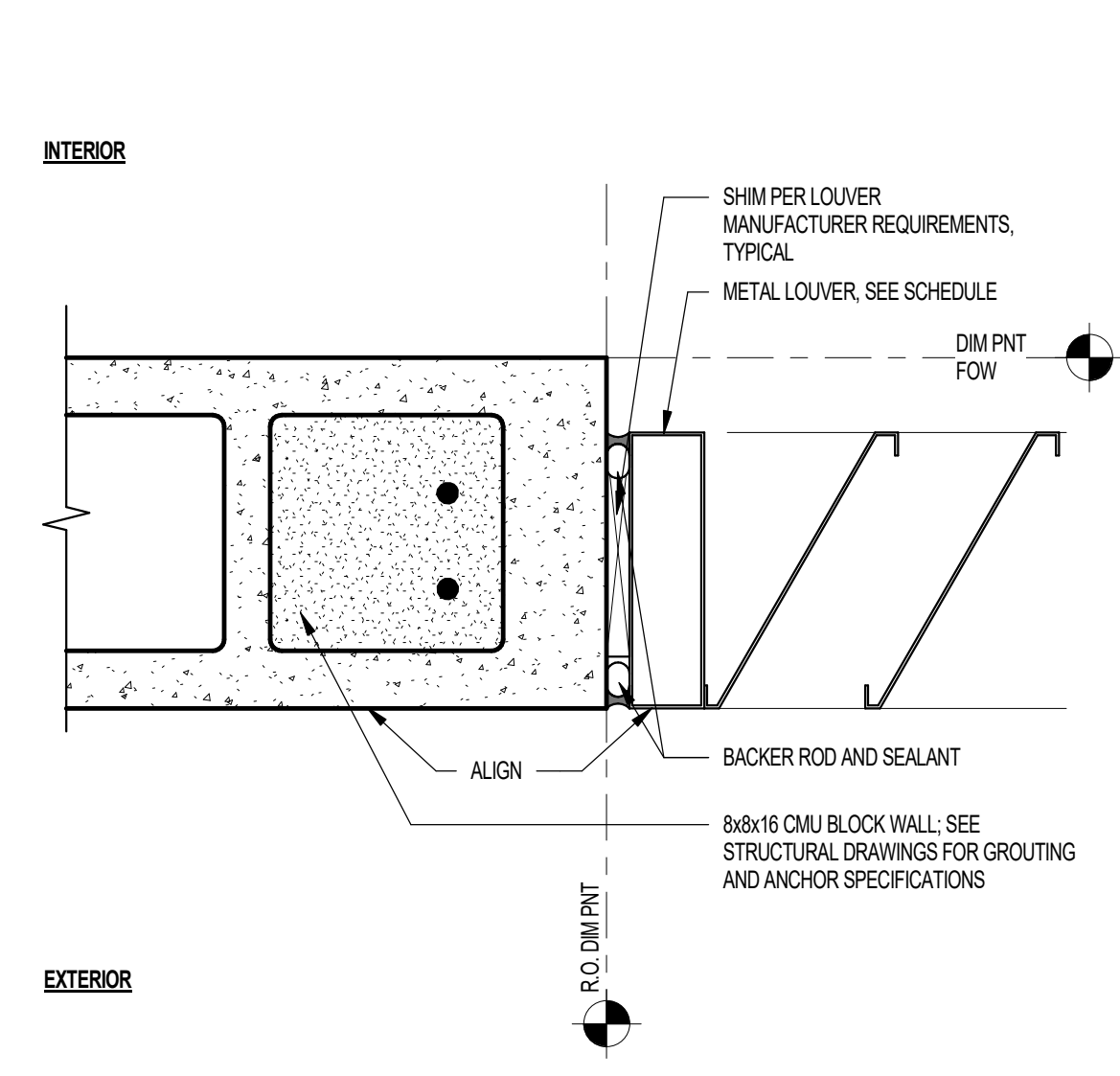
25 OVERHEAD COILING DOOR - HEAD SCALE: 1 1/2" = 1'-0"



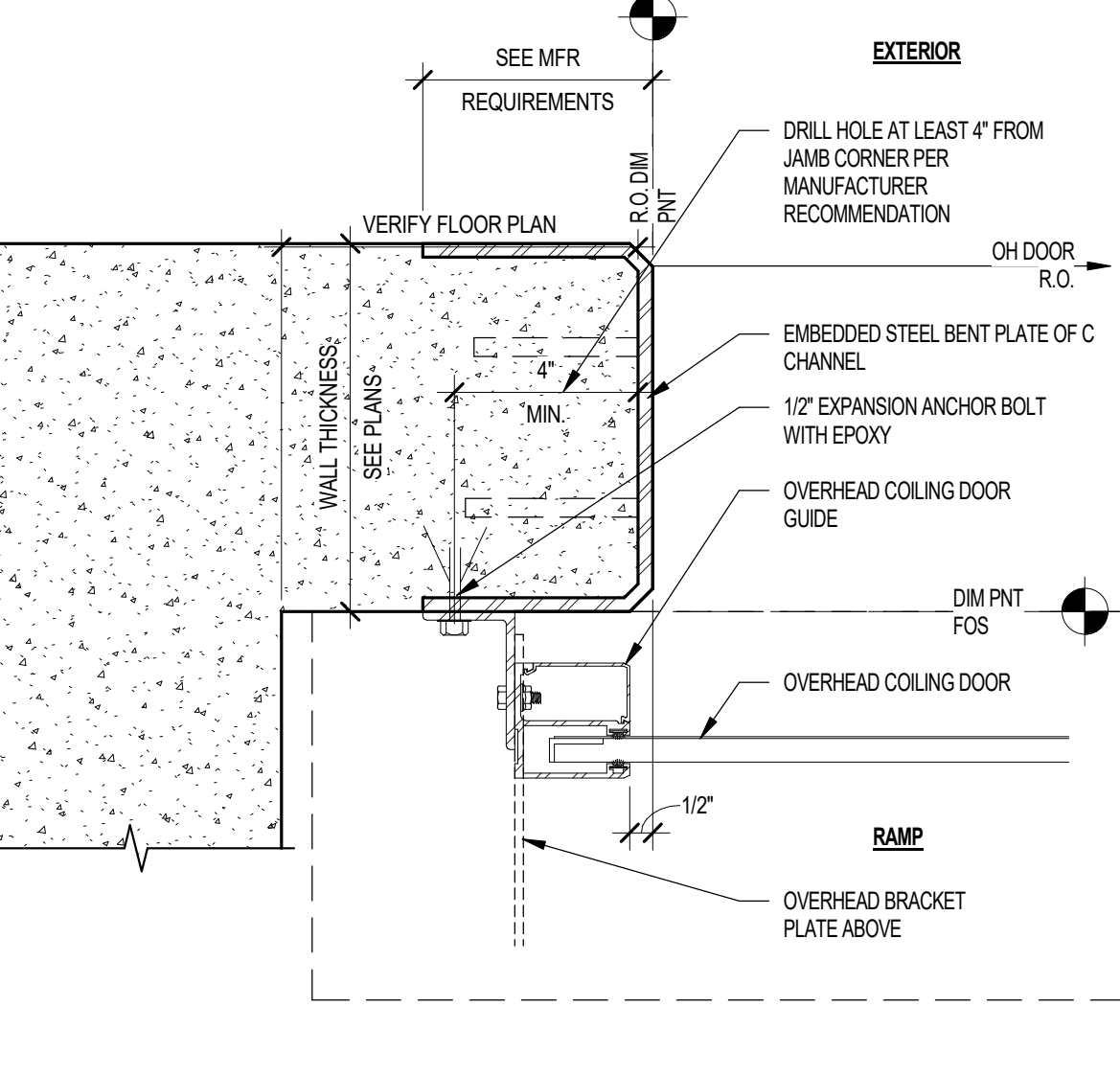
38 EVERSERVE SPRINGLESS SECURITY GRILLE DOOR - JAMB DETAIL SCALE: 3/8" = 1'-0"



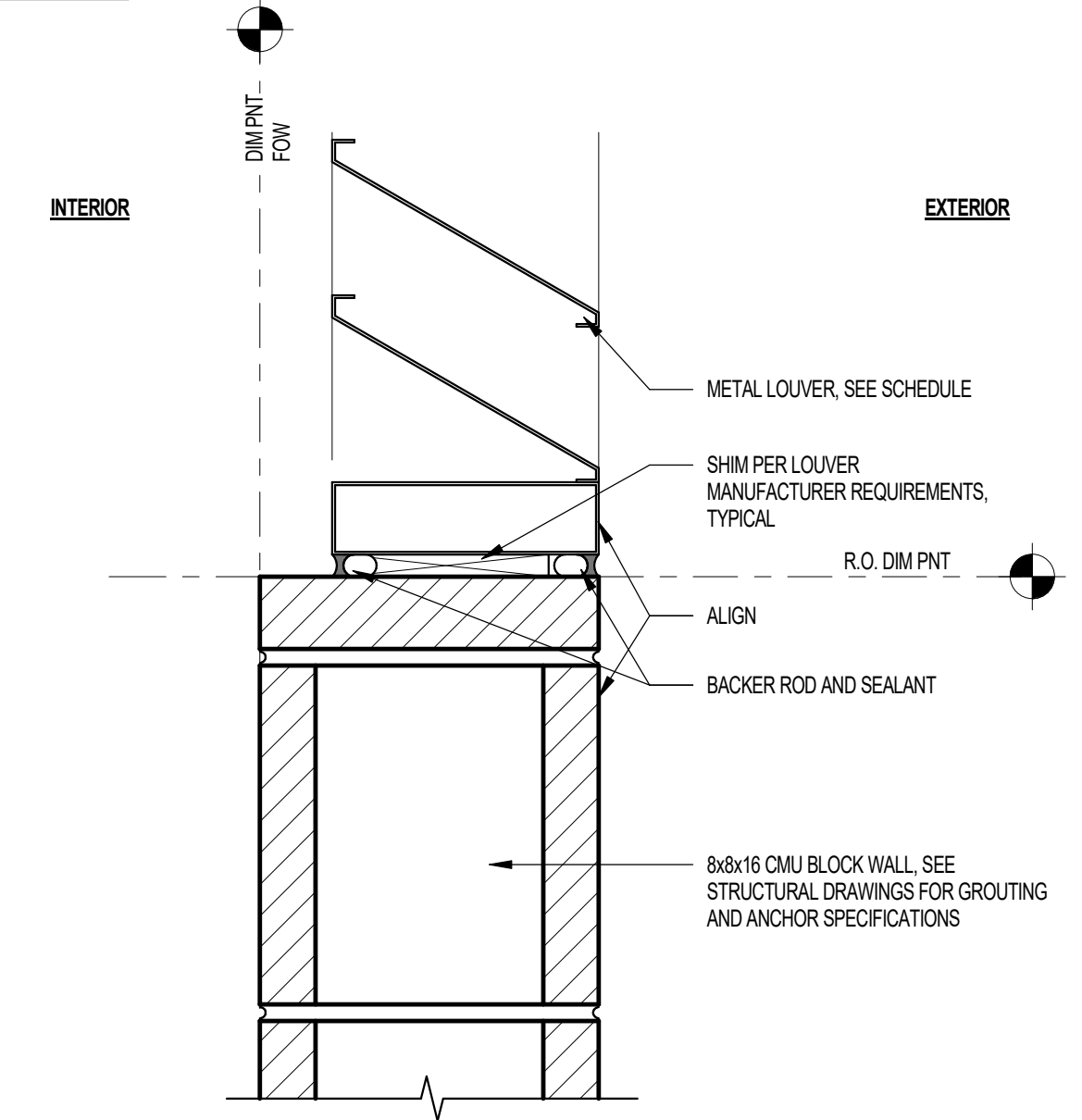
34 LOUVER JAMB AT CONCRETE WALL SCALE: 3/8" = 1'-0"



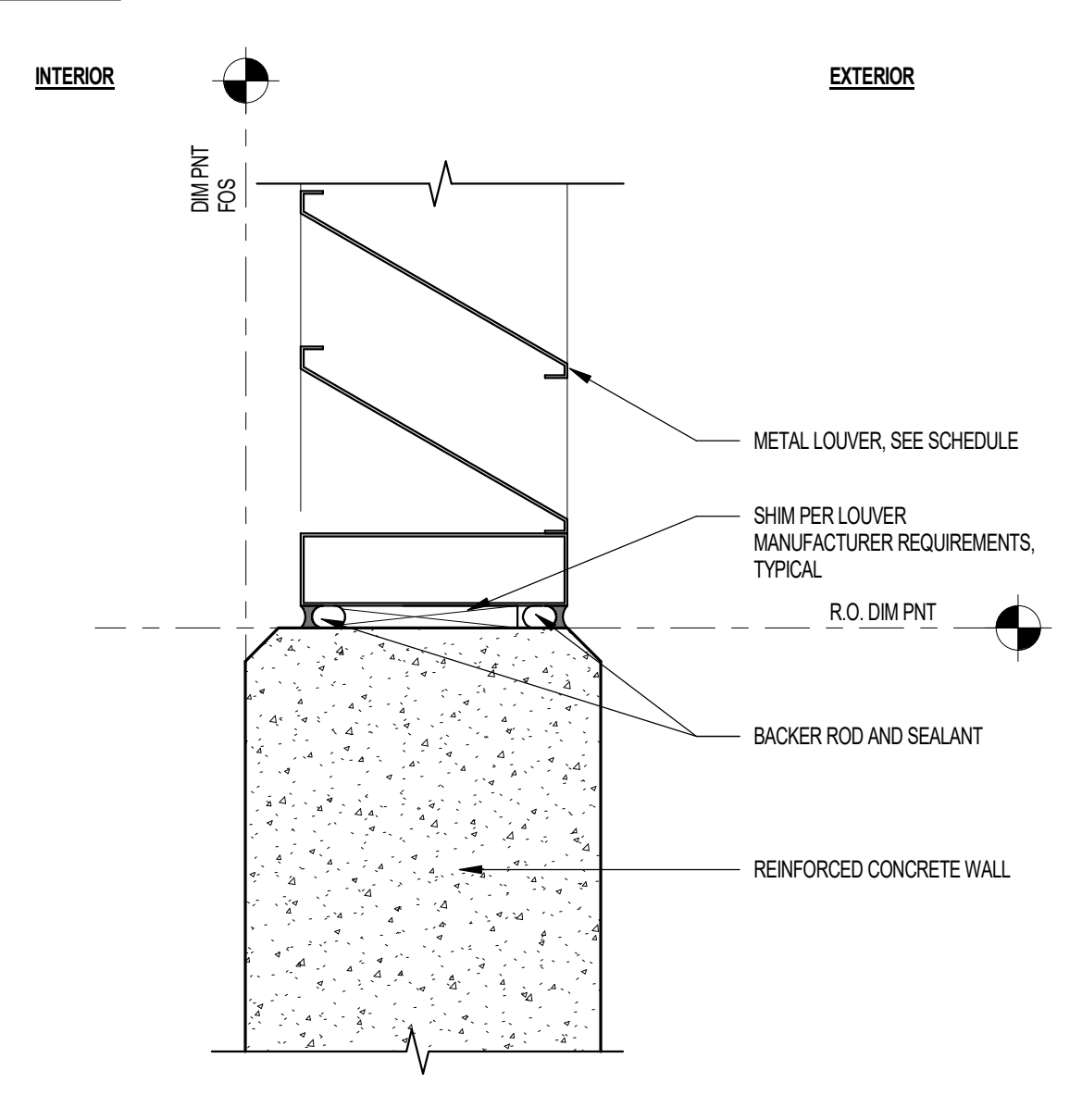
30 LOUVER JAMB AT CMU WALL SCALE: 3/8" = 1'-0"



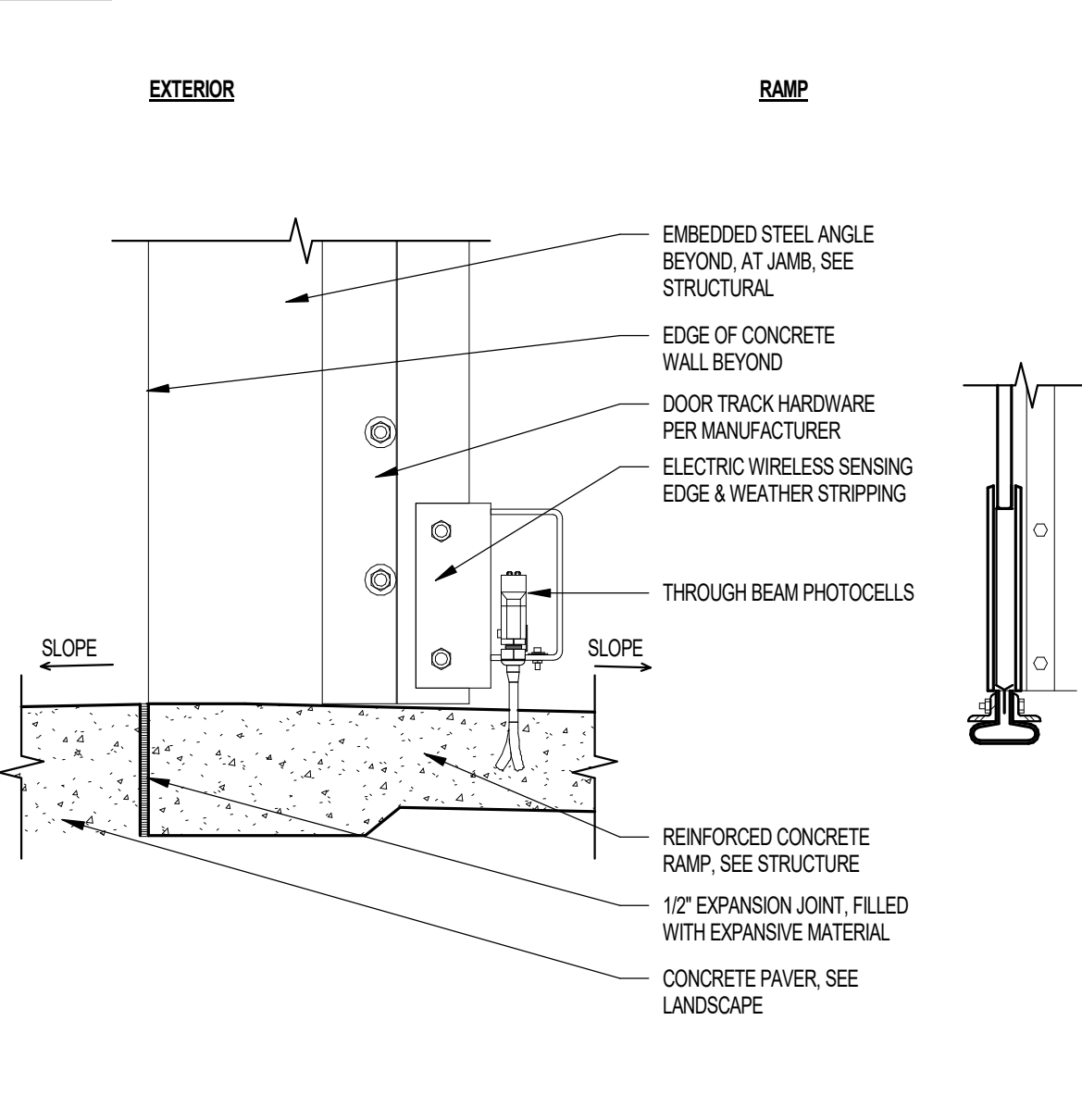
26 OVERHEAD COILING DOOR - JAMB SCALE: 3/8" = 1'-0"



35 LOUVER SILL AT CMU WALL SCALE: 3/8" = 1'-0"



31 LOUVER SILL AT CONCRETE WALL SCALE: 3/8" = 1'-0"



27 OVERHEAD COILING DOOR - THRESHOLD SCALE: 1 1/2" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

Office of Rich Barber
ORB
Architecture, LLC

WorldHQ@ORBArch.com

PRELIMINARY NOT FOR CONSTRUCTION



Notice of alternate billing (or payment) cycle. This contract allows the owner to request the admission of billing or advance in billing cycle after the first date. This contract shall be subject to the terms, conditions and specifications of the contract and any amendments thereto. A written description of all other billing and payment cycle applicable to the project is available from the owner or the owner's design agent at the time of the contract.

CLIENT NAME, CLIENT ADDRESS, CLIENT PHONE NUMBER, and the owner or its design agent shall provide the written description on request.

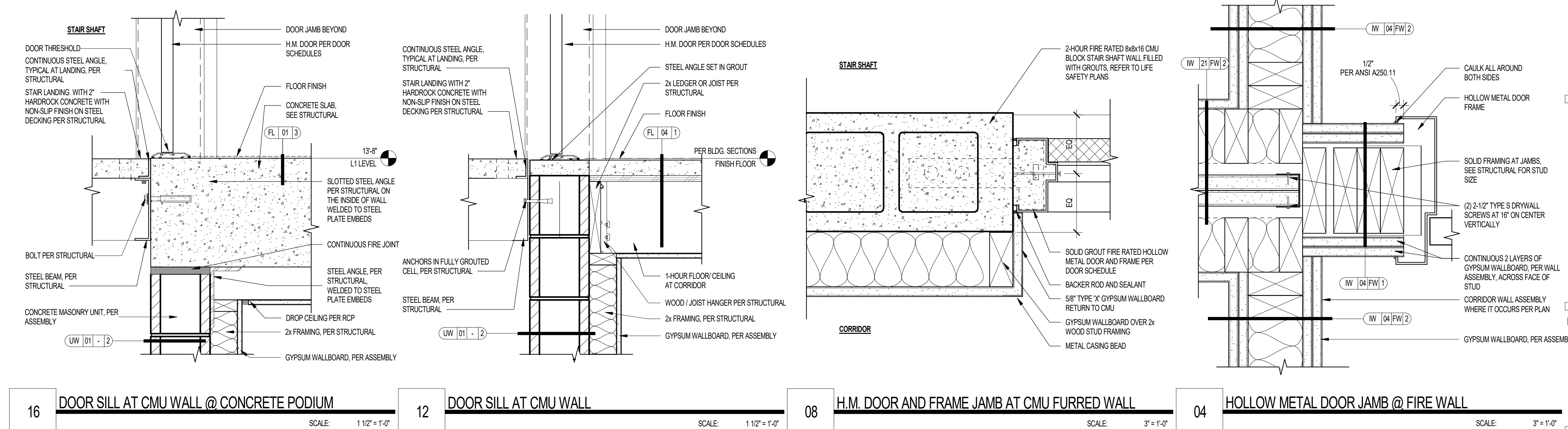
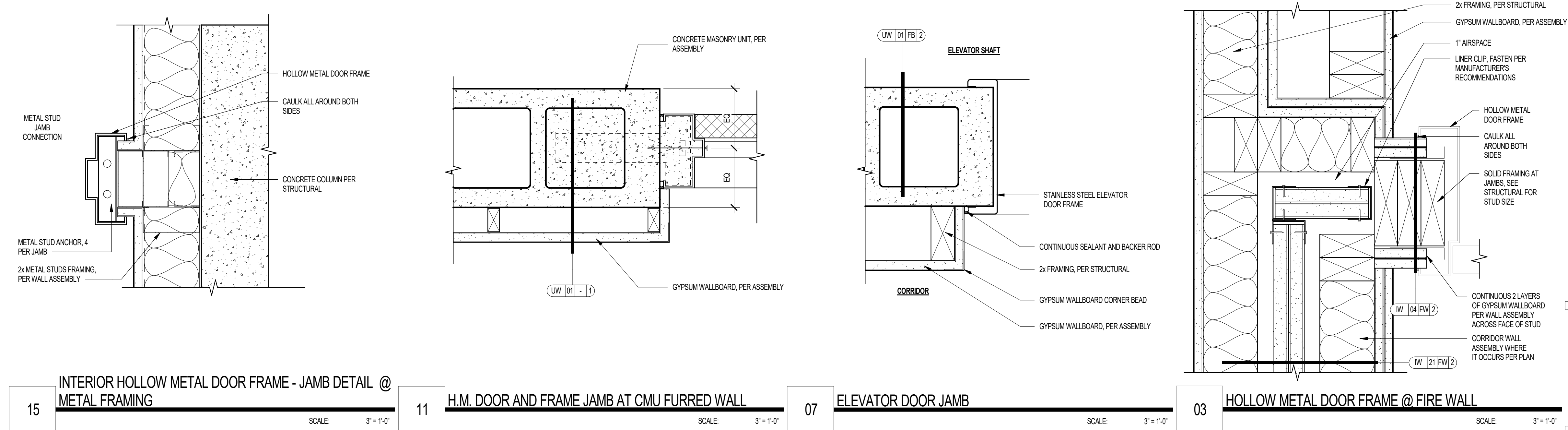
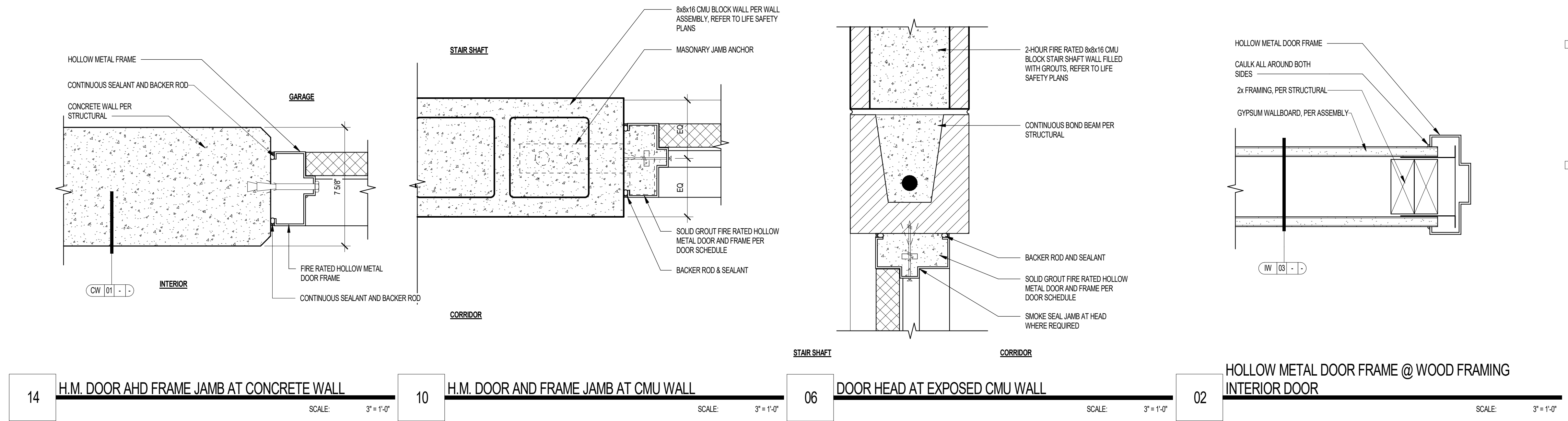
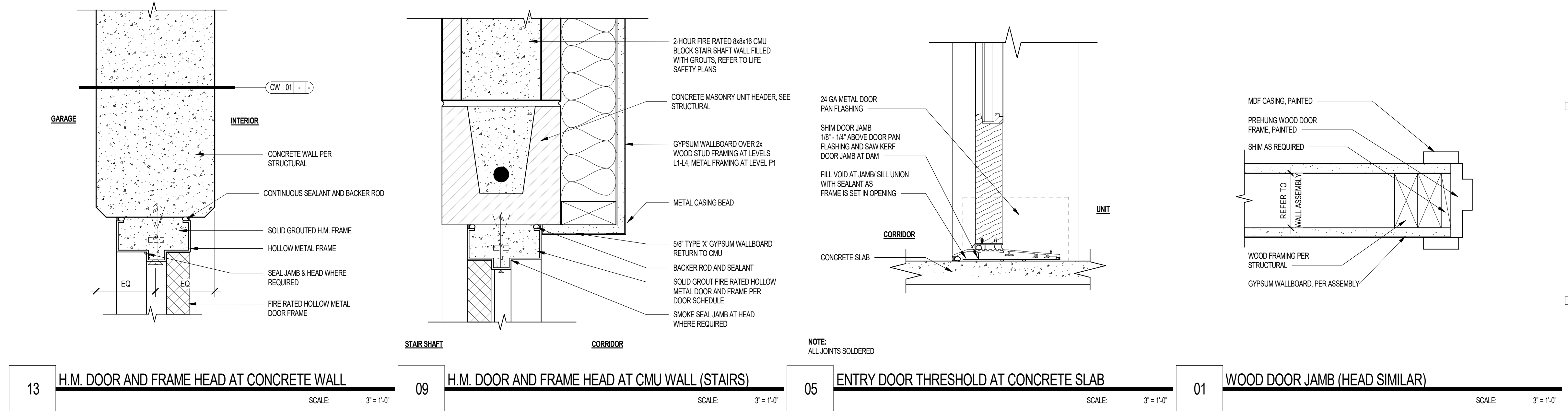
Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the express written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are not to be used for any other project, for addition to the project, or for completion of the project by others except by the express written permission of the Architect.

REVISIONS/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.5.11
EXTERIOR DOORS & LOUVERS



Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of change or addition to billing cycle after the first date. This contract shall allow the contractor to bill per alternate billing cycle after certification and approval of billing and estimates. A further description of what the billing cycle applies to the project is available from the owner or the architect's design agent.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or the design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is altered. They are made available for the contractor's use and modification, but shall not be used for any other project. To address the project in full, completion of the project by the contractor is required by the project or the architect's design agent.

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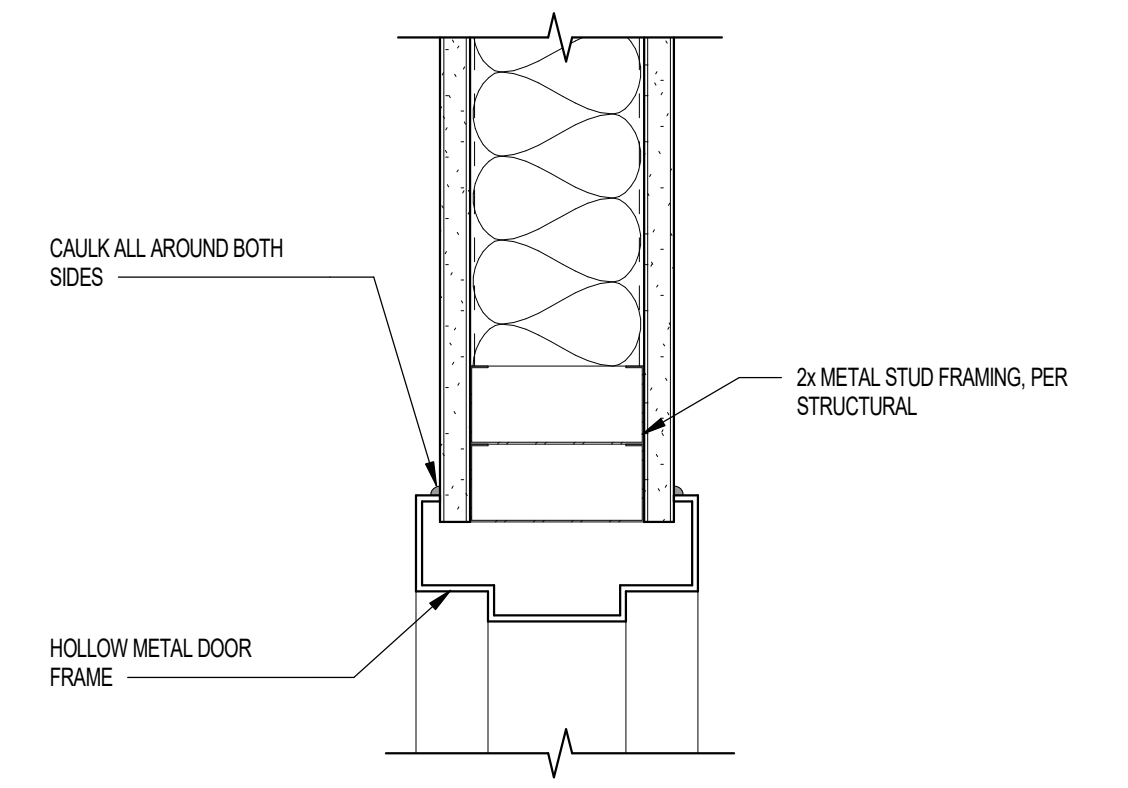
REVISIONS/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.5.20
INTERIOR DOOR DETAILS

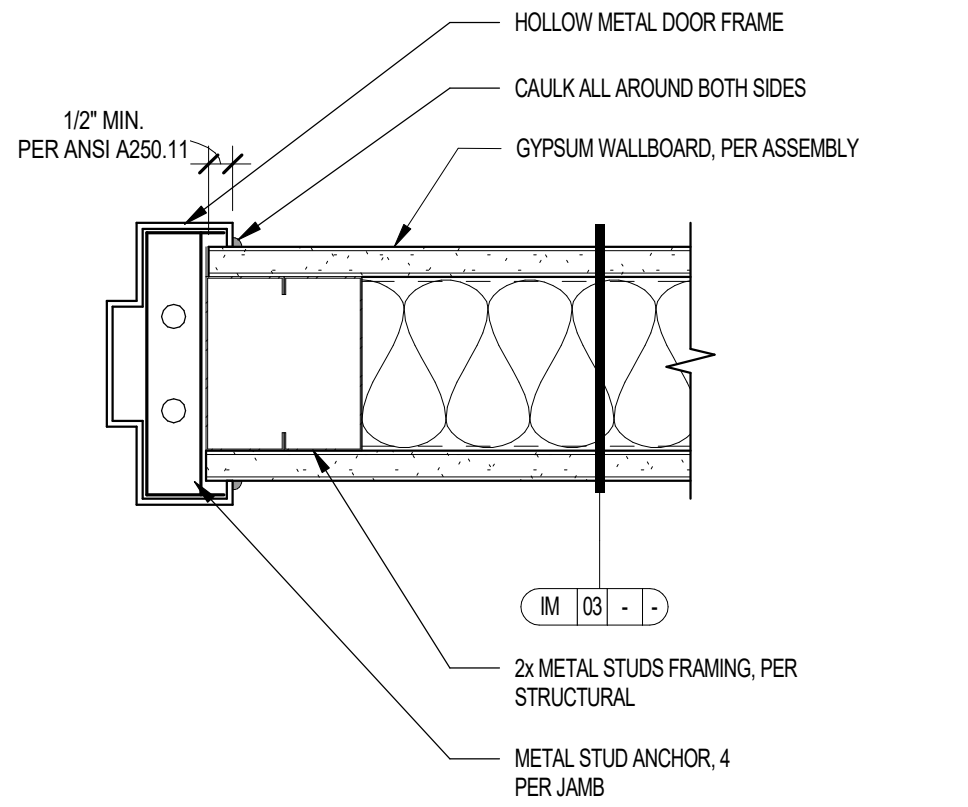


PRELIMINARY
NOT FOR
CONSTRUCTION



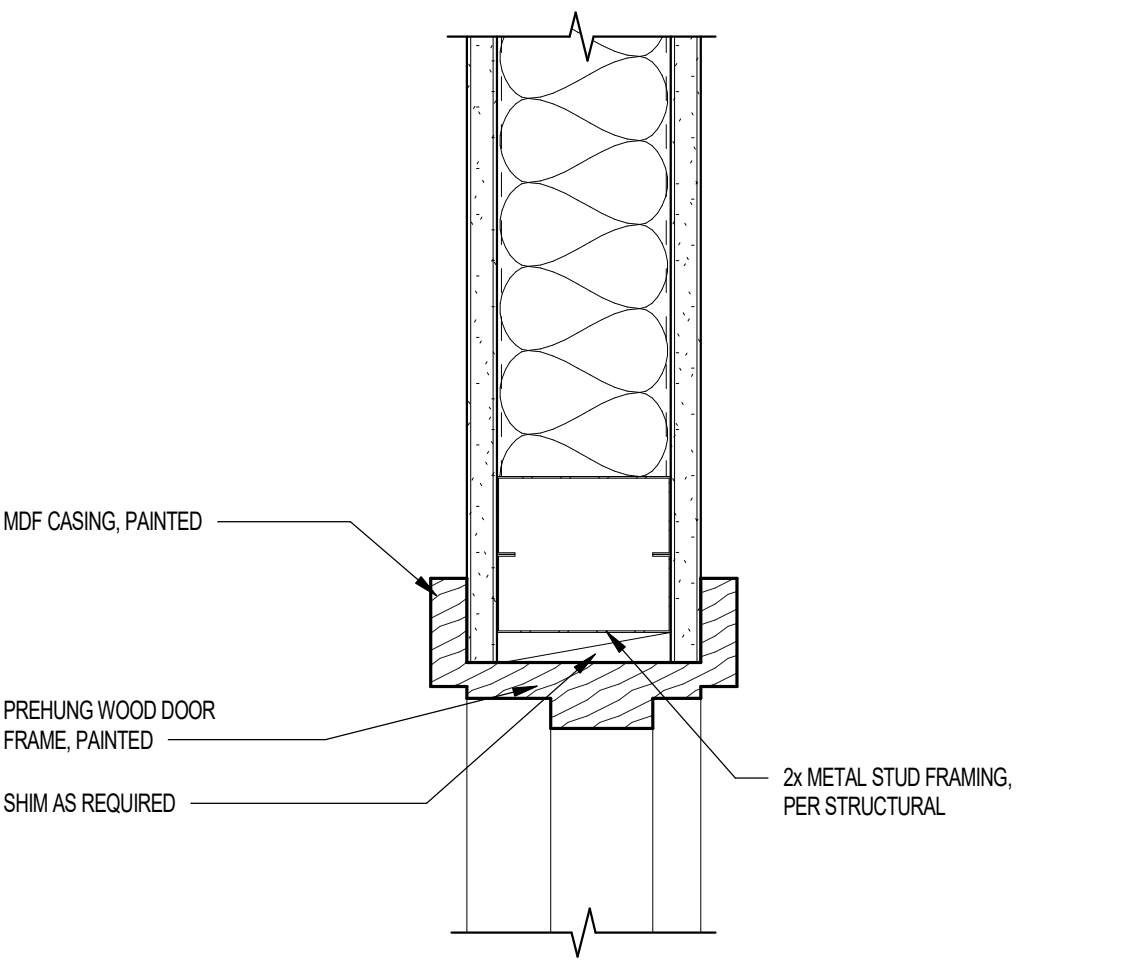
25 INTERIOR HOLLOW METAL DOOR FRAME - HEAD DETAIL @ METAL FRAMING

SCALE: 3" = 1'-0"



26 INTERIOR HOLLOW METAL DOOR FRAME - JAMB DETAIL @ METAL FRAMING

SCALE: 3" = 1'-0"



27 WOOD DOOR FRAME HEAD DETAIL @ METAL FRAMING

SCALE: 3" = 1'-0"

Notice of alternate billing (or payment) cycle
This contract allows (they allow) for review to require the submission of billing or estimates to billing cycle when the first bill is due. This contract shall also be subject to review for other alternative schedule after certification and approval of billing and estimates. A further discussion of such other billing cycle applies to the project is available from the owner or the owner's design consultant at:

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision or request.

Contractor must verify all dimensions of project before proceeding with this work.

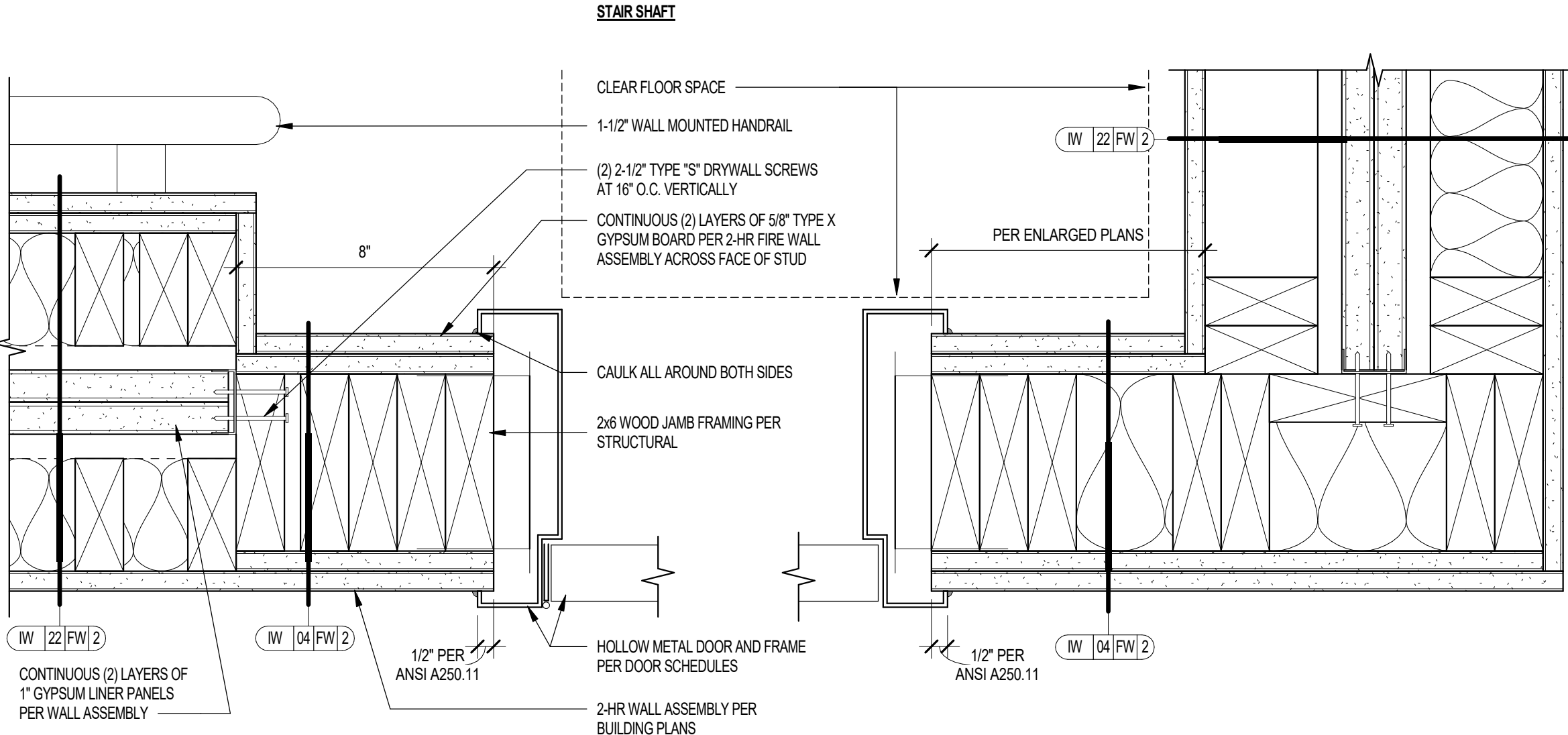
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, for addition to this project or for completion of this project by others except by the expressed written permission of the Architect.

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REVISIONS/SUBMITTALS	DESCRIPTION
DATE	

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

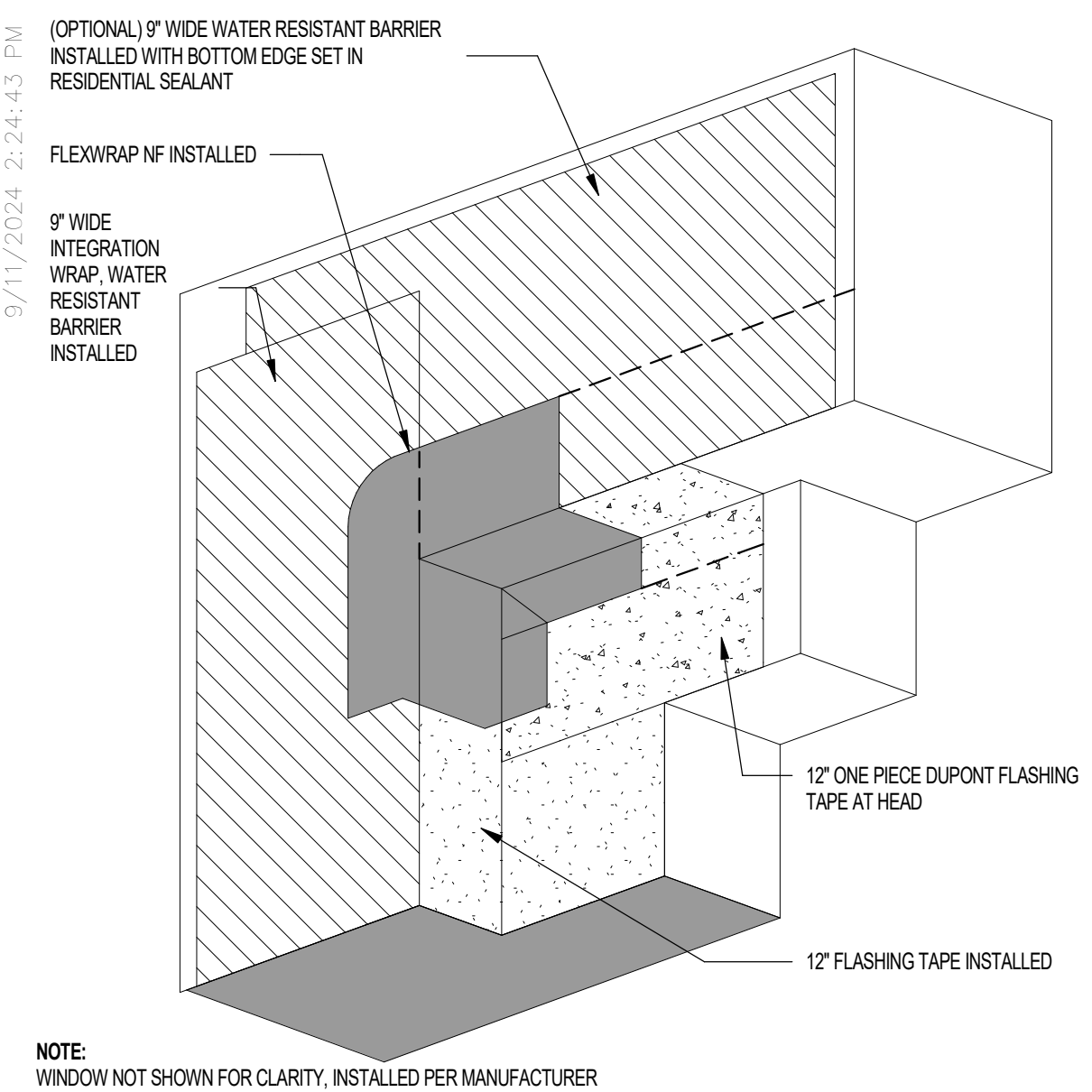
A7.5.21
INTERIOR DOOR DETAILS



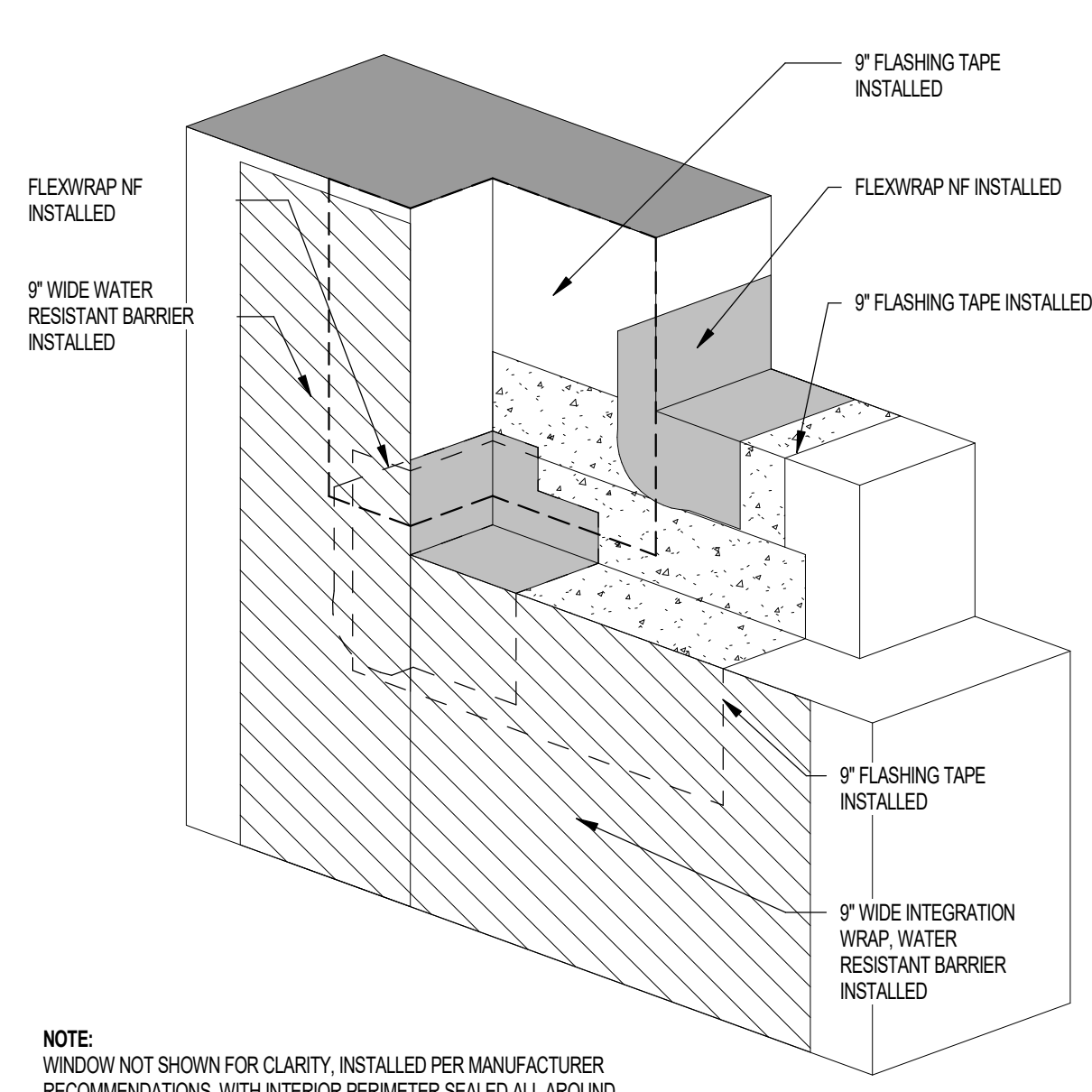
32 HOLLOW METAL DOOR JAMB AT WOOD FRAMED STAIR SHAFT

SCALE: 3" = 1'-0"

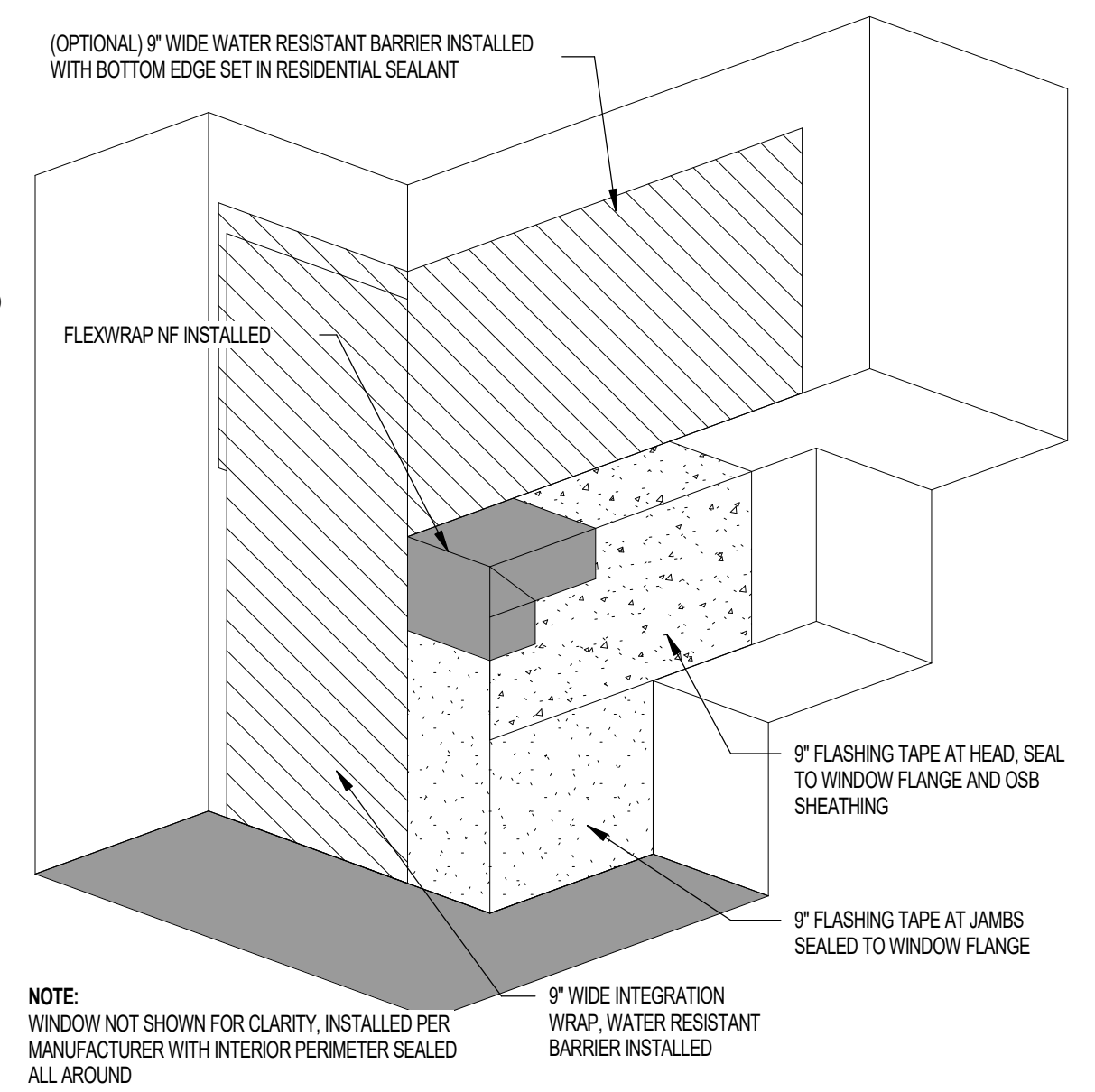
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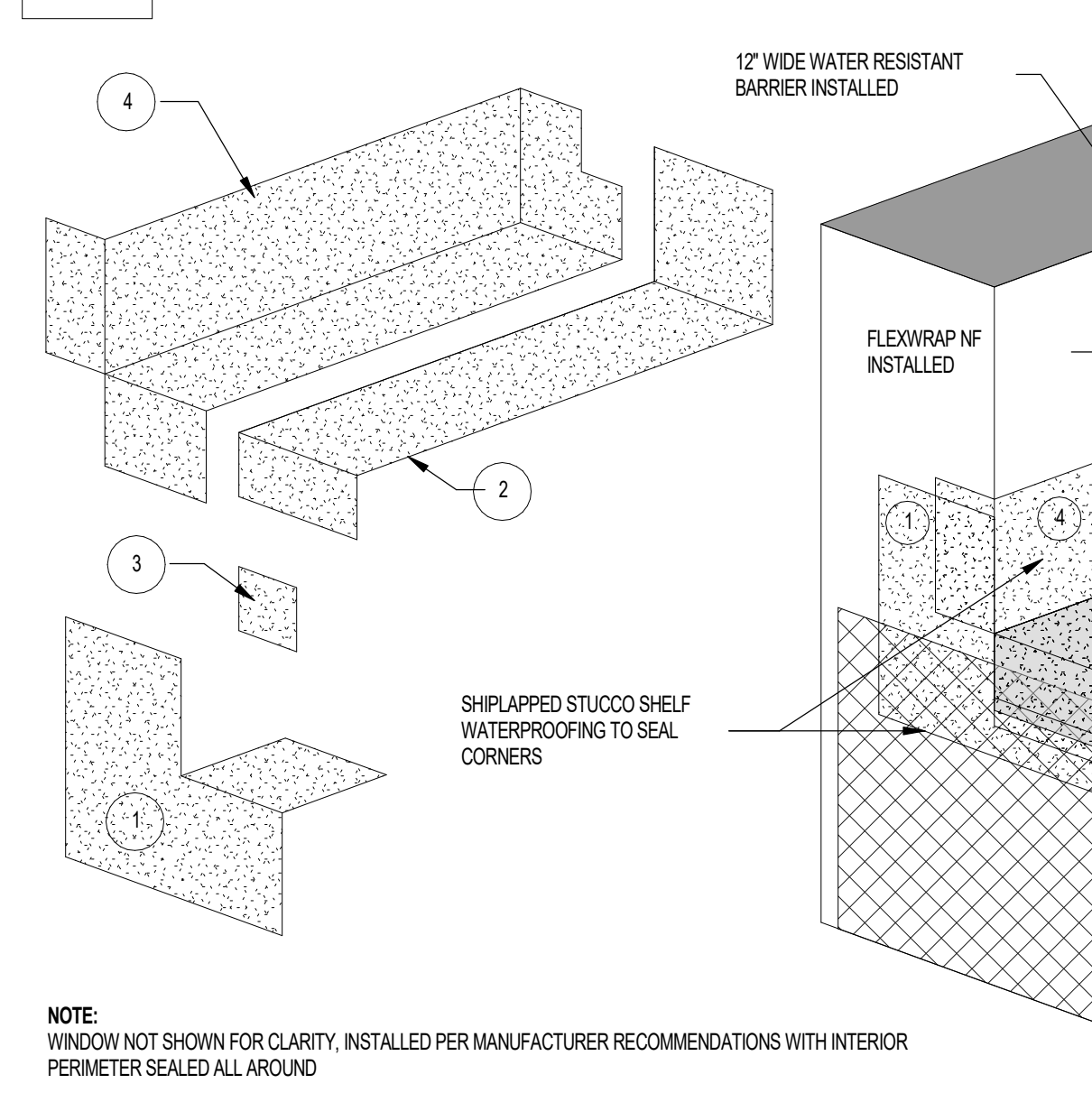
21 TYPICAL RECESSED WINDOW HEAD - ISOMETRIC SCALE: 1" = 1'-0"



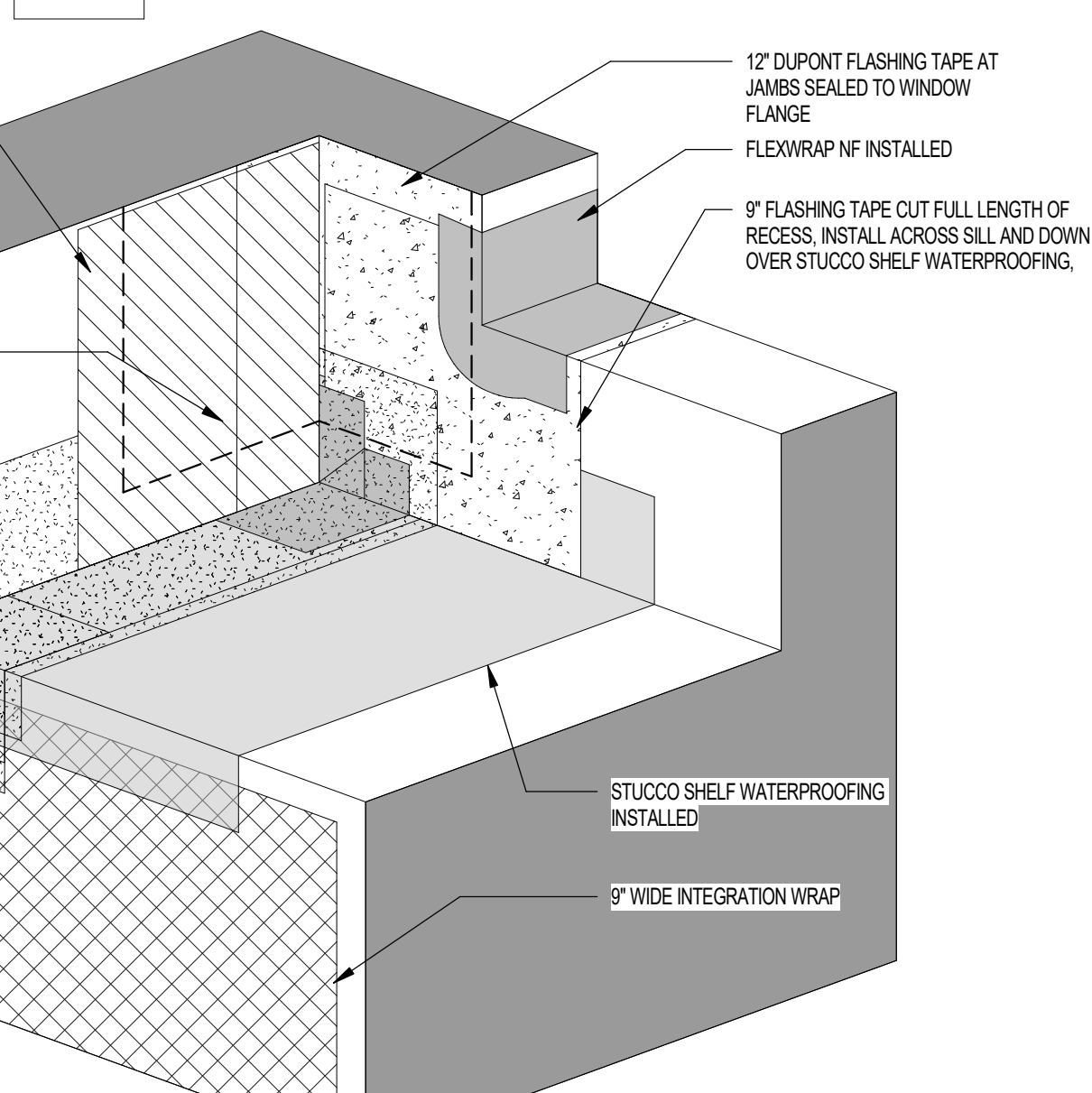
17 TYPICAL RECESSED WINDOW SILL - ISOMETRIC SCALE: 1" = 1'-0"



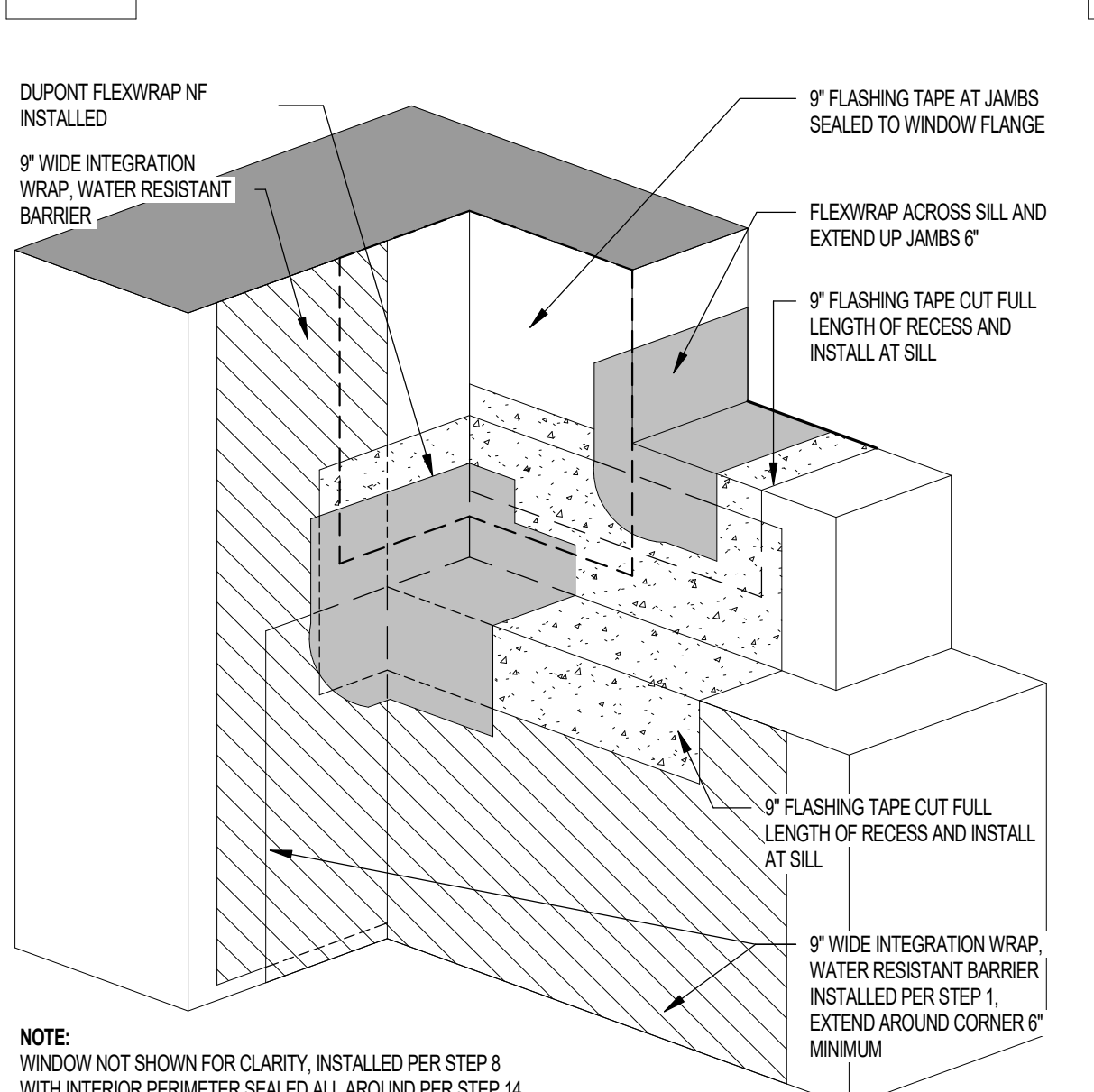
13 RECESSED WINDOW HEAD WITH POP OUT AT JAMB - ISOMETRIC SCALE: 1" = 1'-0"



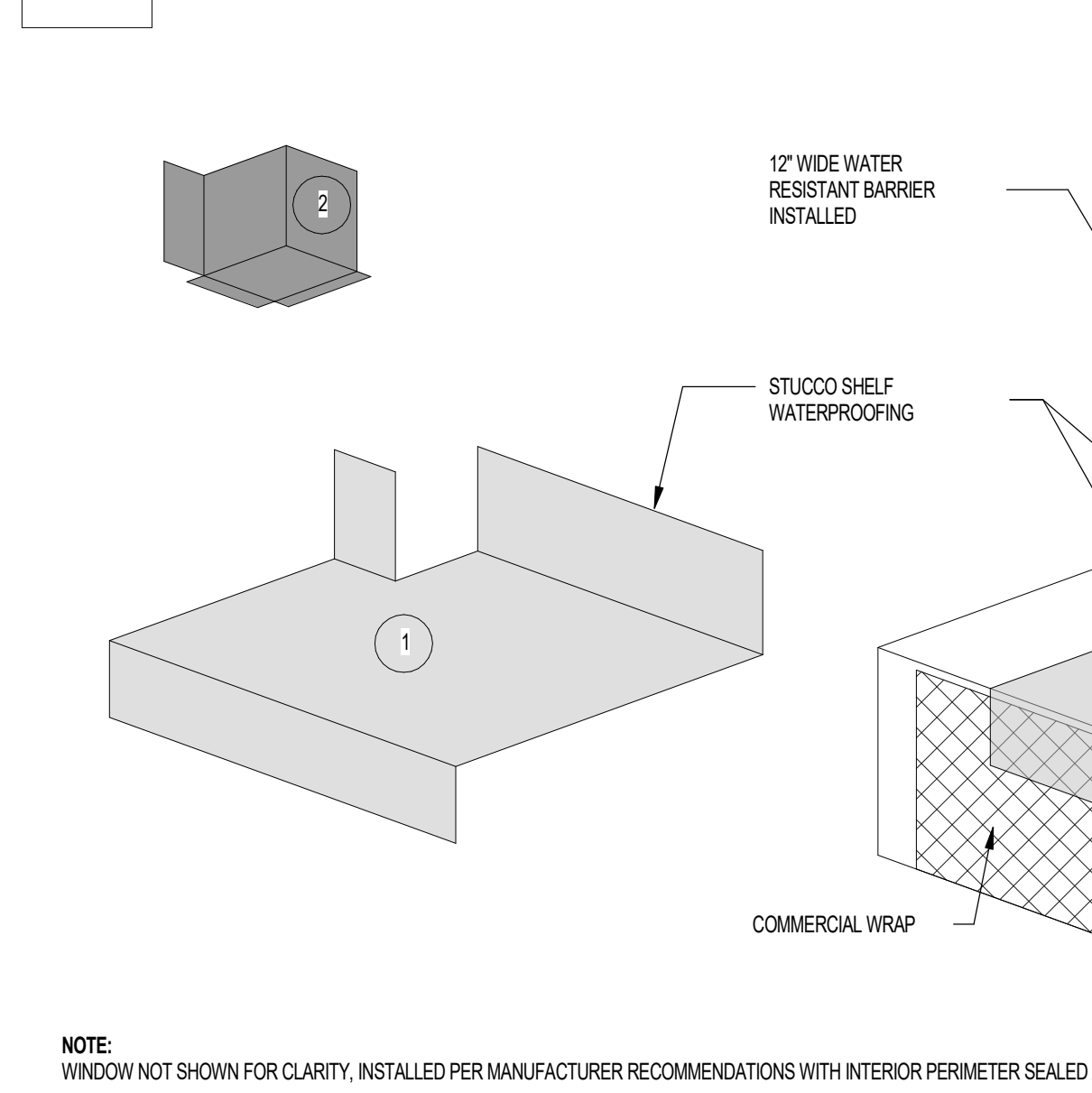
22 RECESSED WINDOW SILL AT POP BELOW & AT SIDE - ISOMETRIC SCALE: 1" = 1'-0"



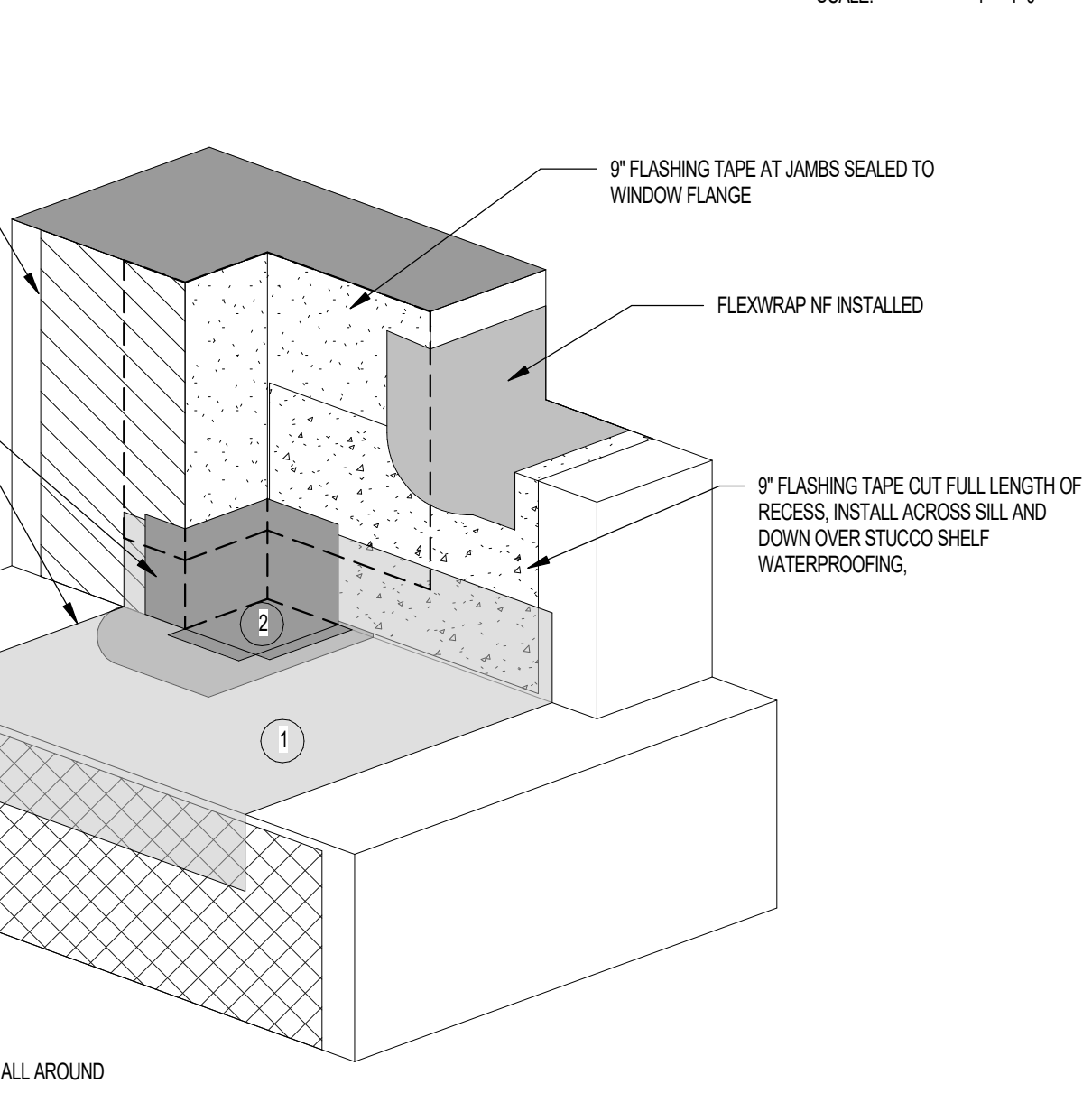
14 RECESSED WINDOW SILL WITH POP OUT AT JAMB - ISOMETRIC SCALE: 1" = 1'-0"



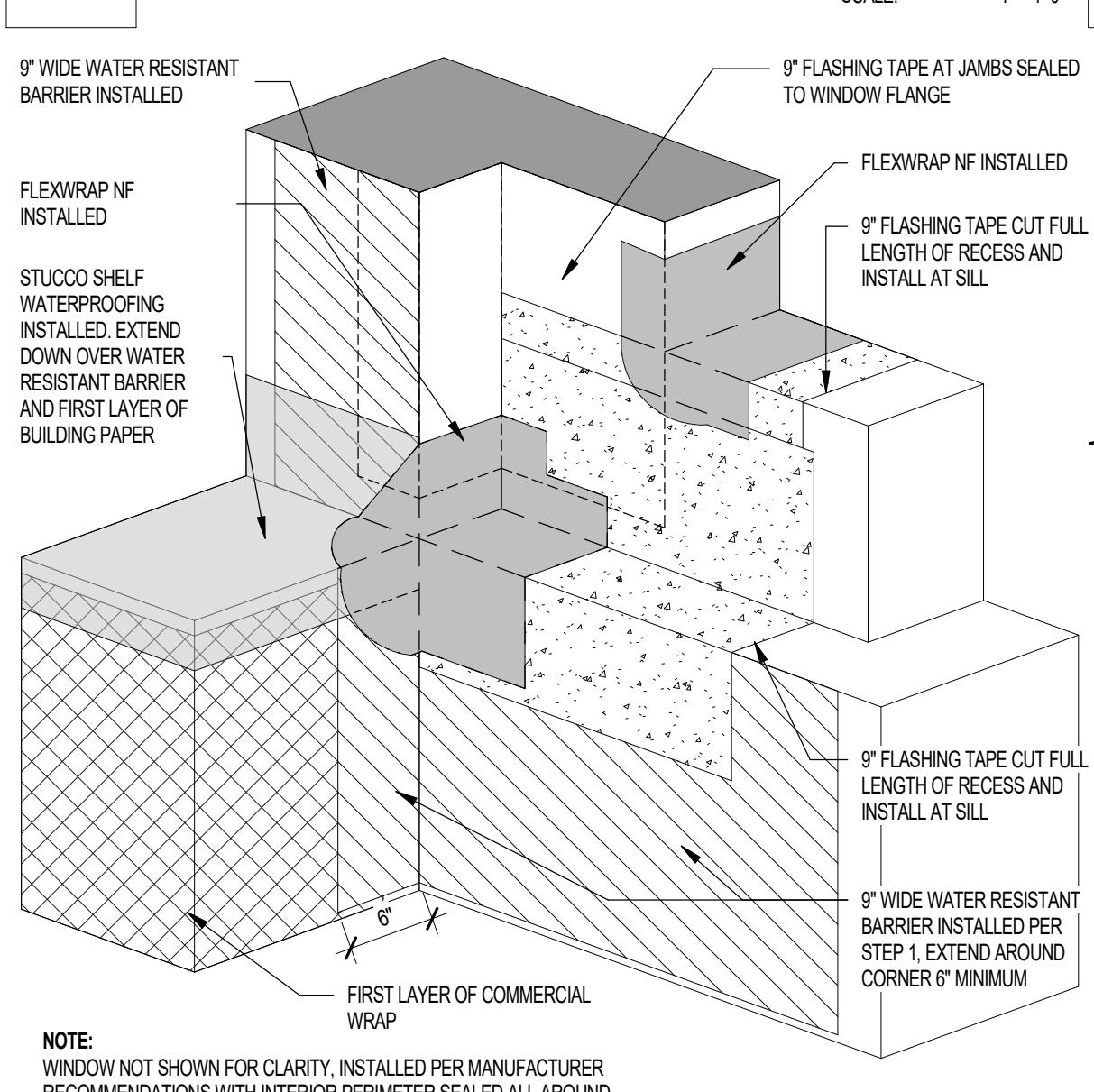
15 RECESSED WINDOW SILL AT POP OUT SHELF - ISOMETRIC SCALE: 1" = 1'-0"



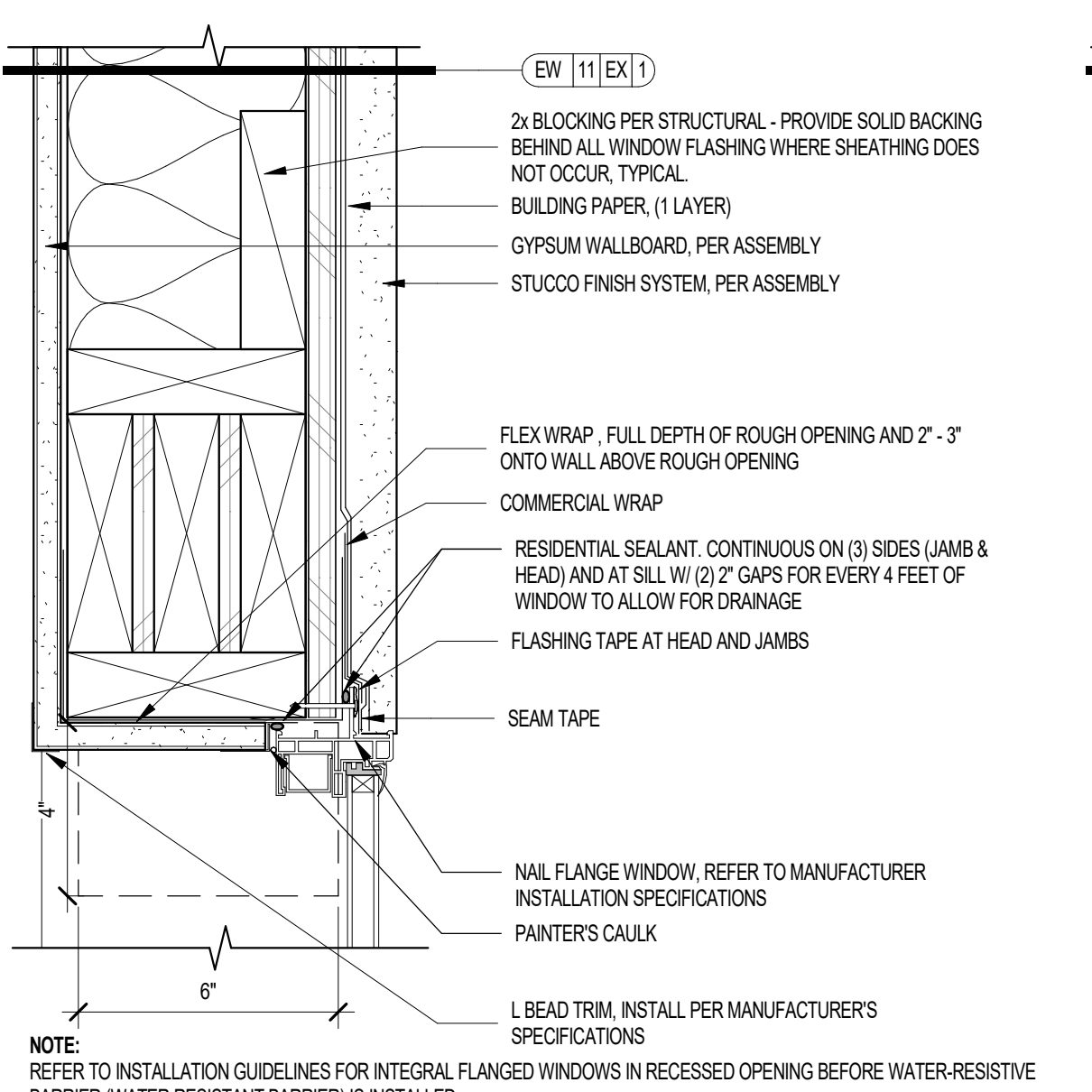
23 RECESSED WINDOW SILL AT POP OUT SHELF - ISOMETRIC SCALE: 1" = 1'-0"



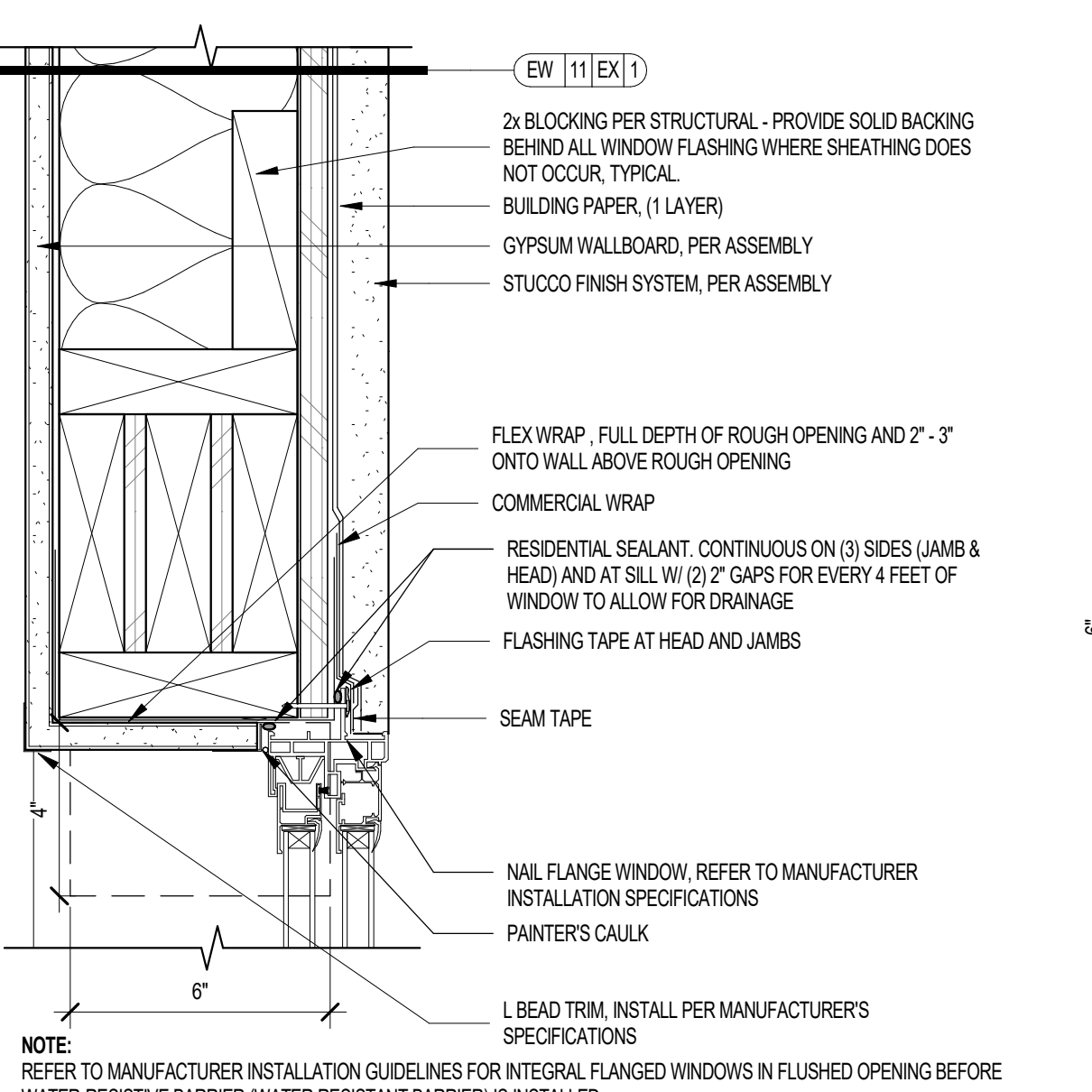
16 RECESSED WINDOW HEAD WITH POP OUT AT JAMB & HEAD - ISOMETRIC SCALE: 1" = 1'-0"



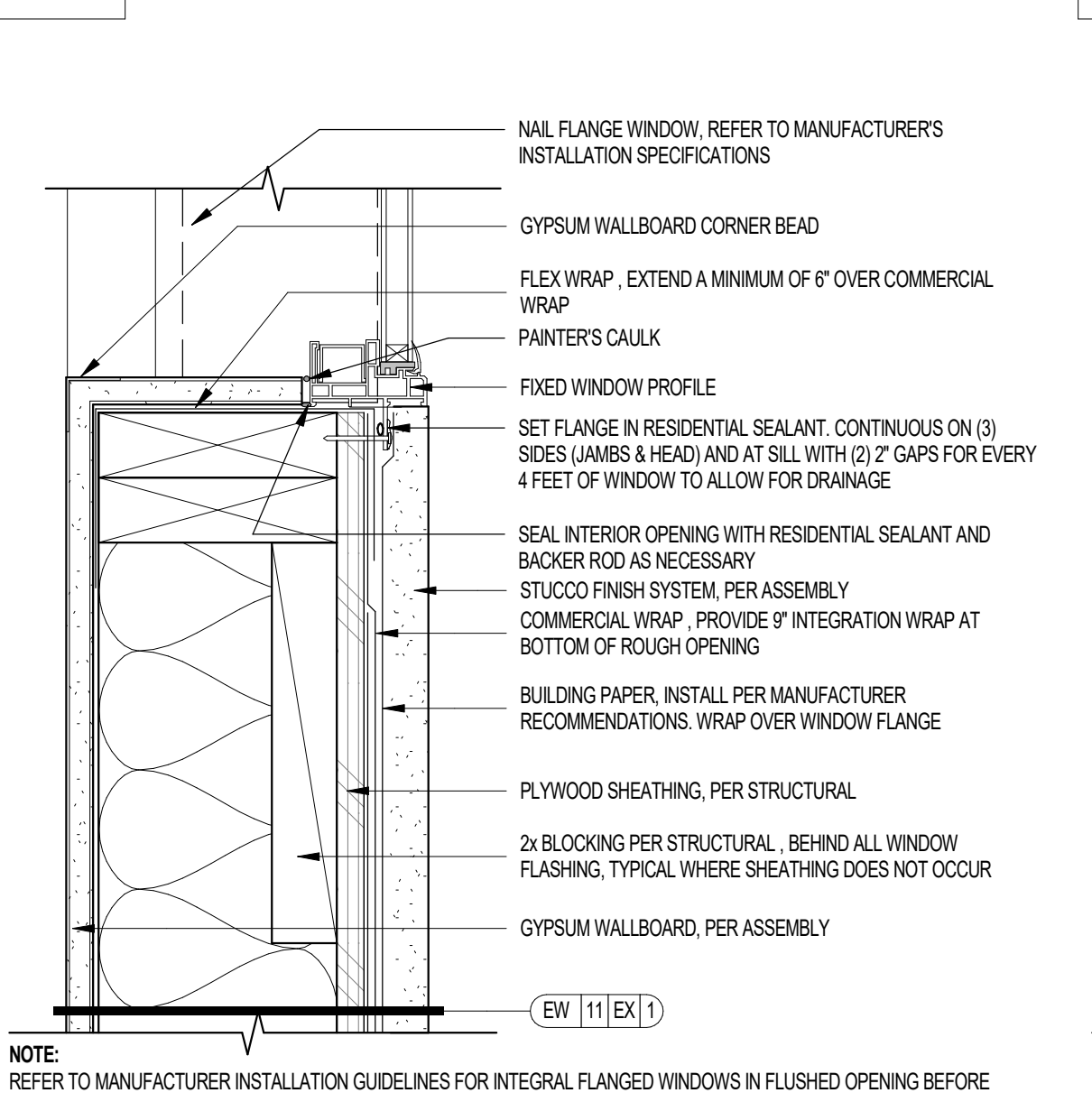
12 FLUSH CORNER WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



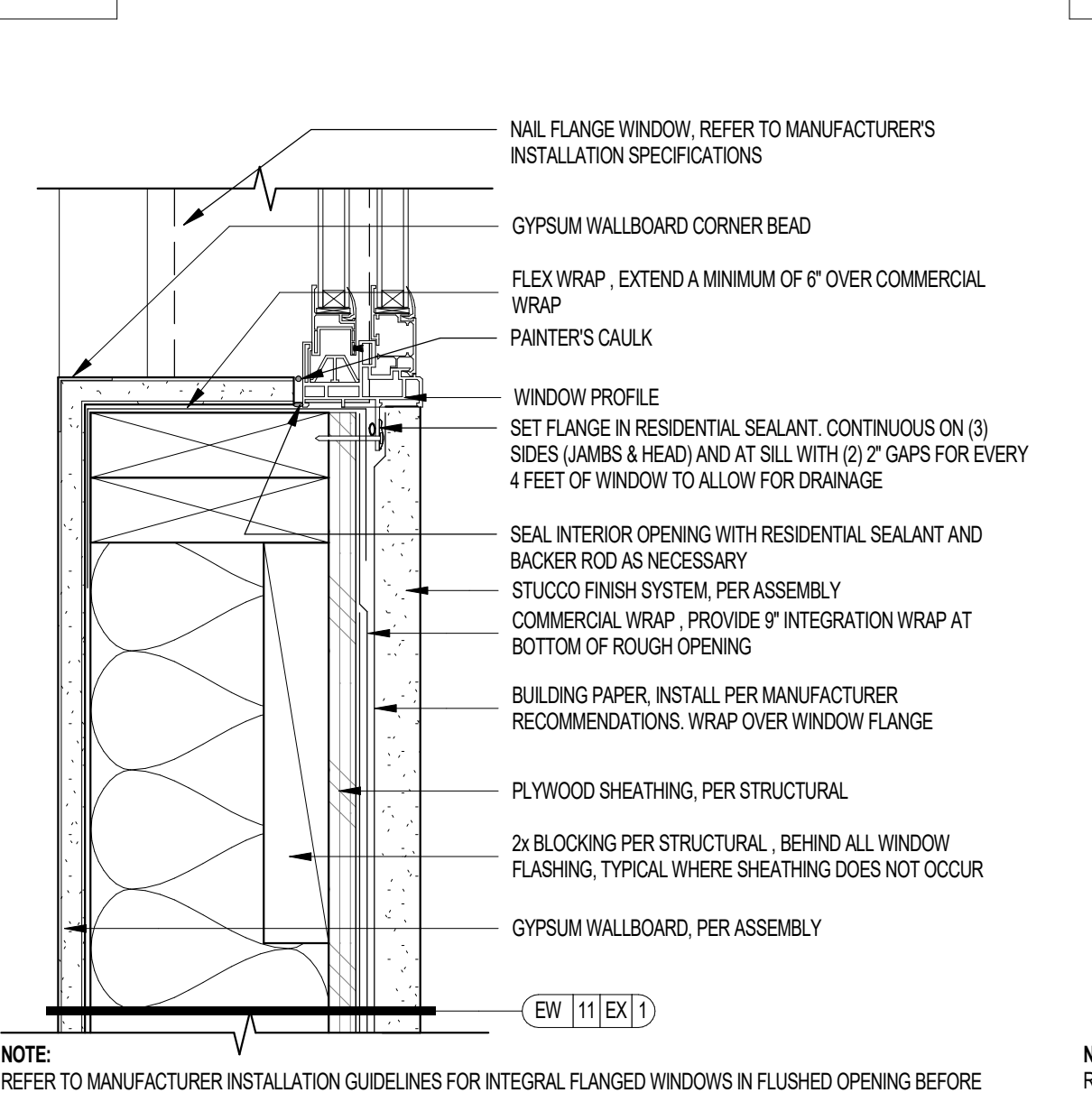
09 FLUSH FIXED WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



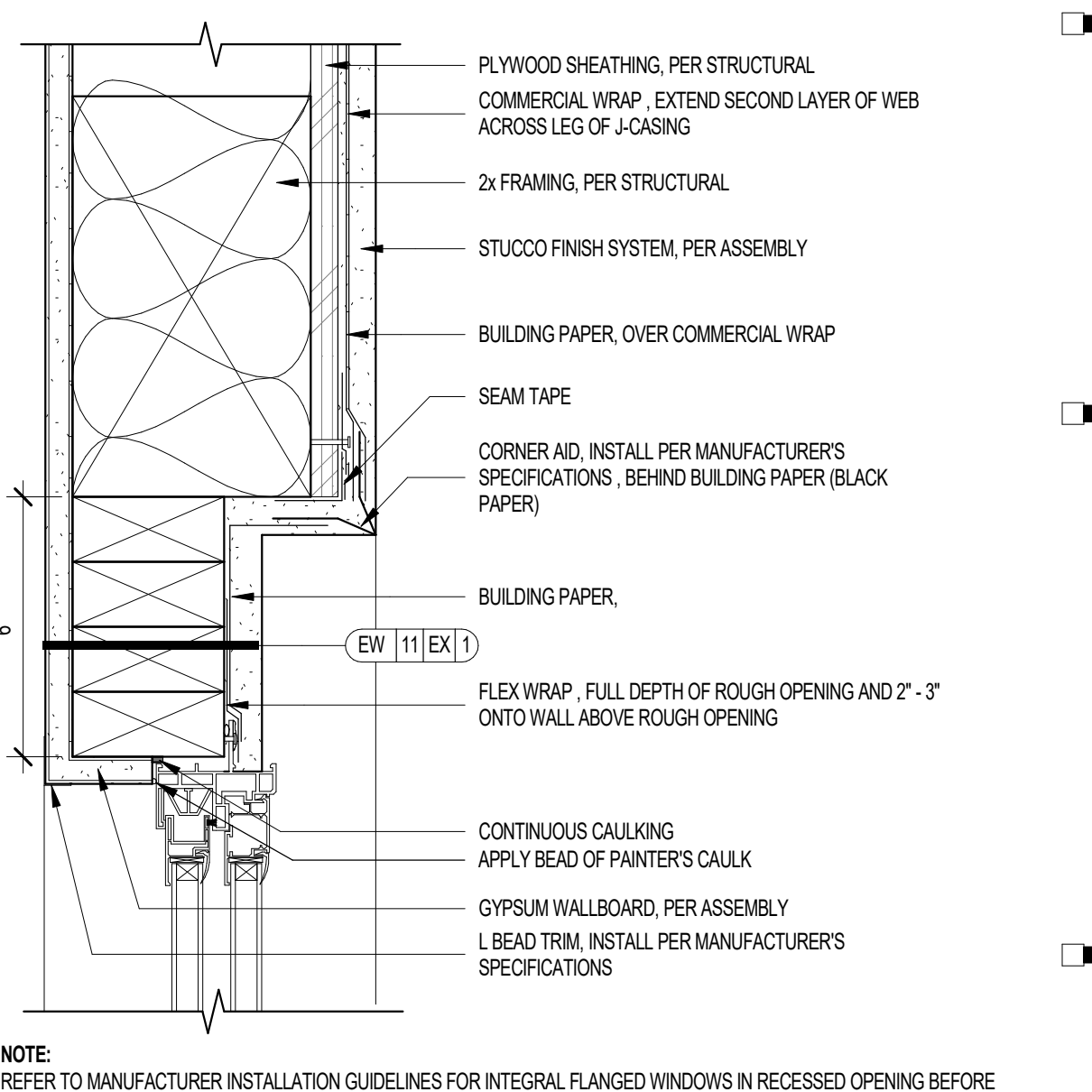
05 FLUSH WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



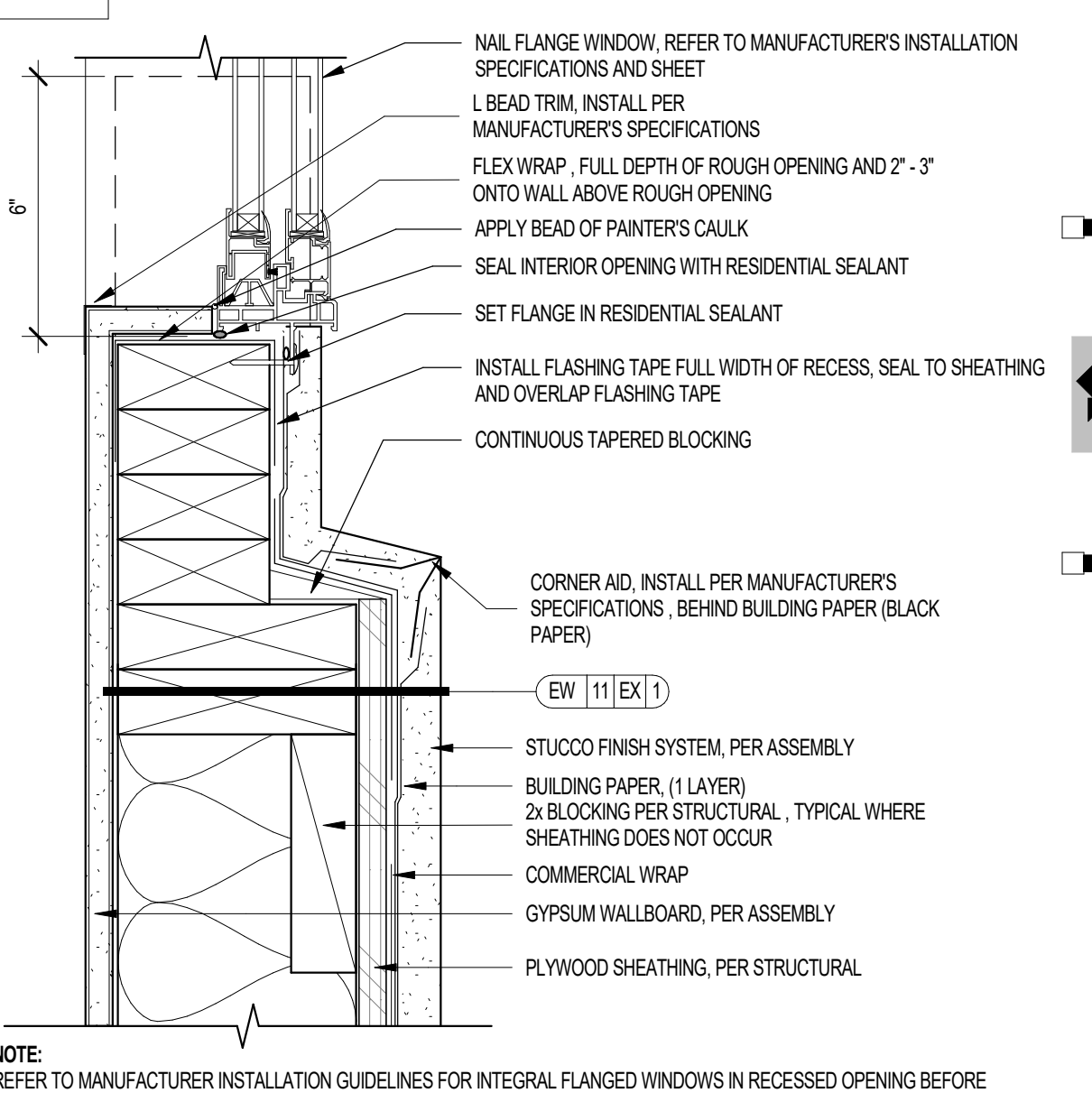
10 FLUSH FIXED WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



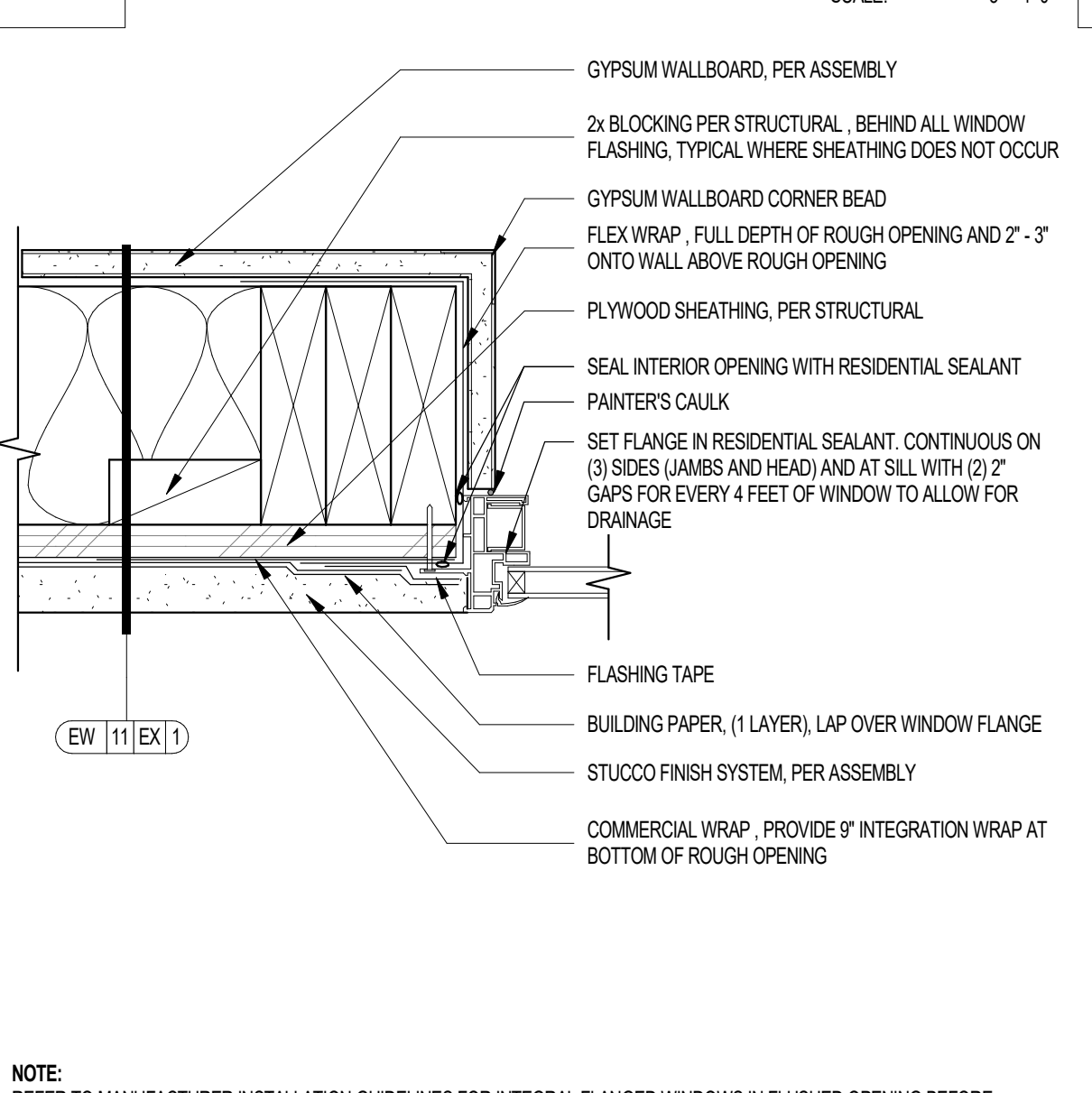
06 FLUSH WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



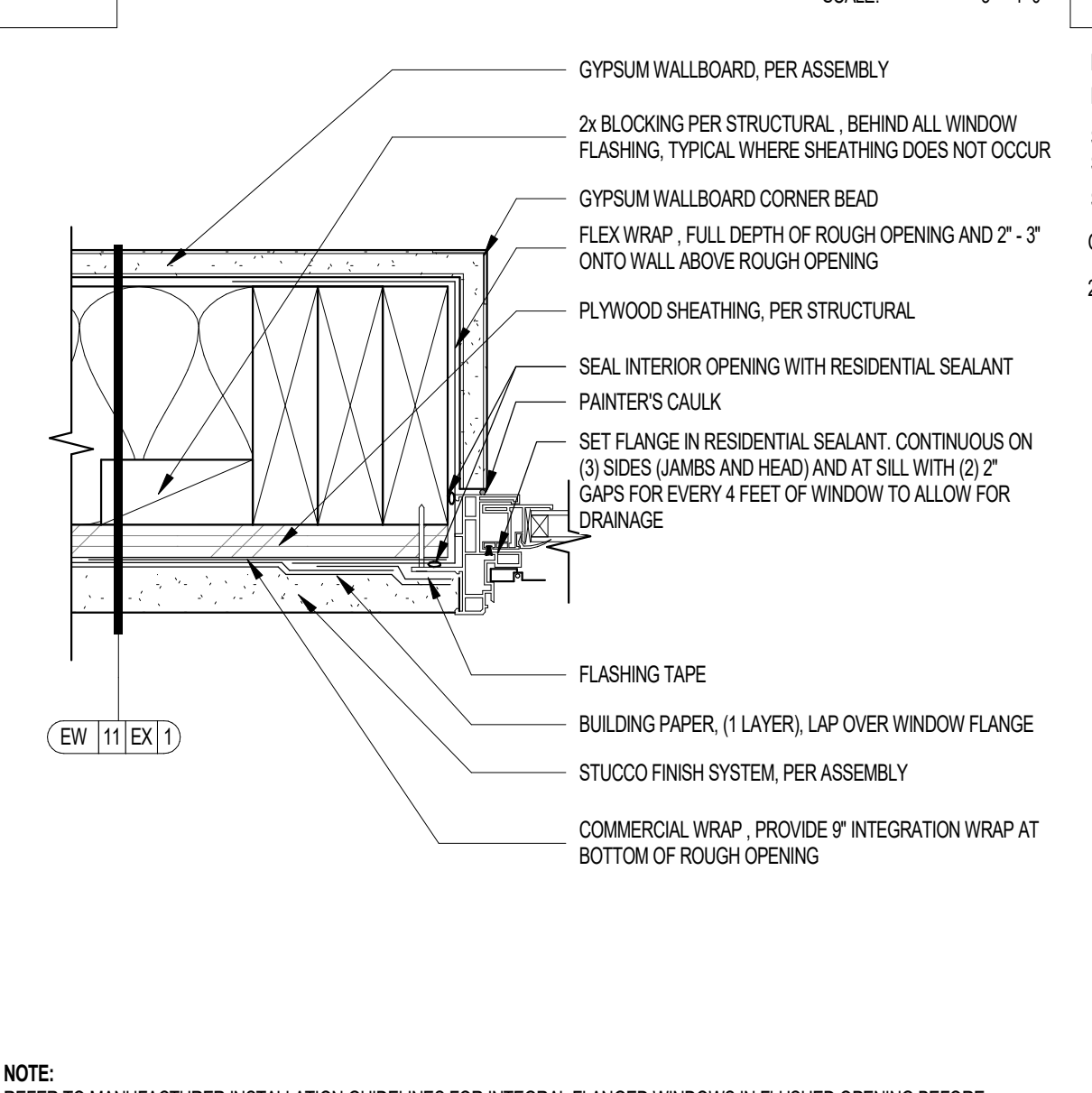
01 RECESSED WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



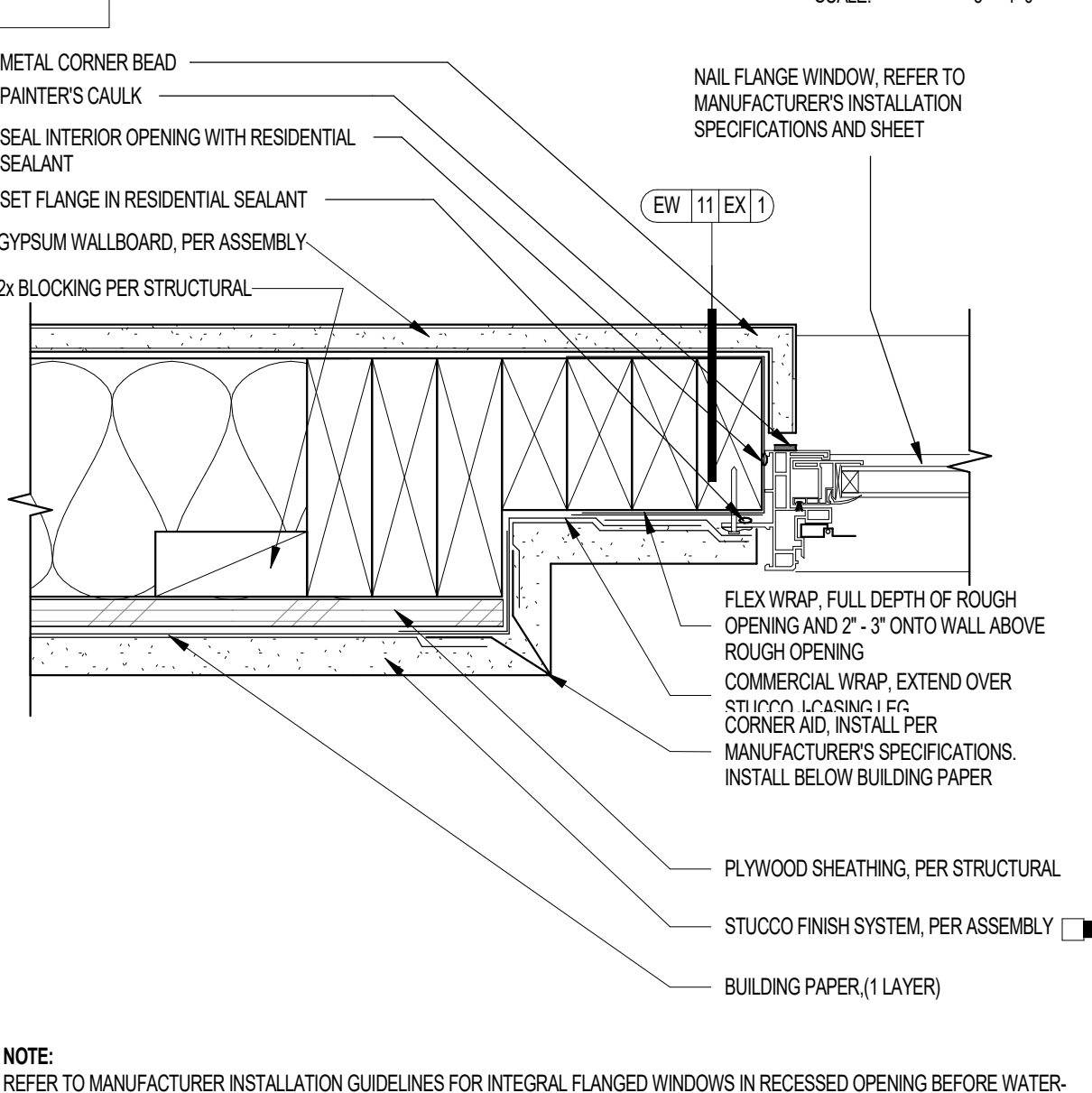
02 RECESSED WINDOW SILL FLASHING/FINISHES SCALE: 3\"/>



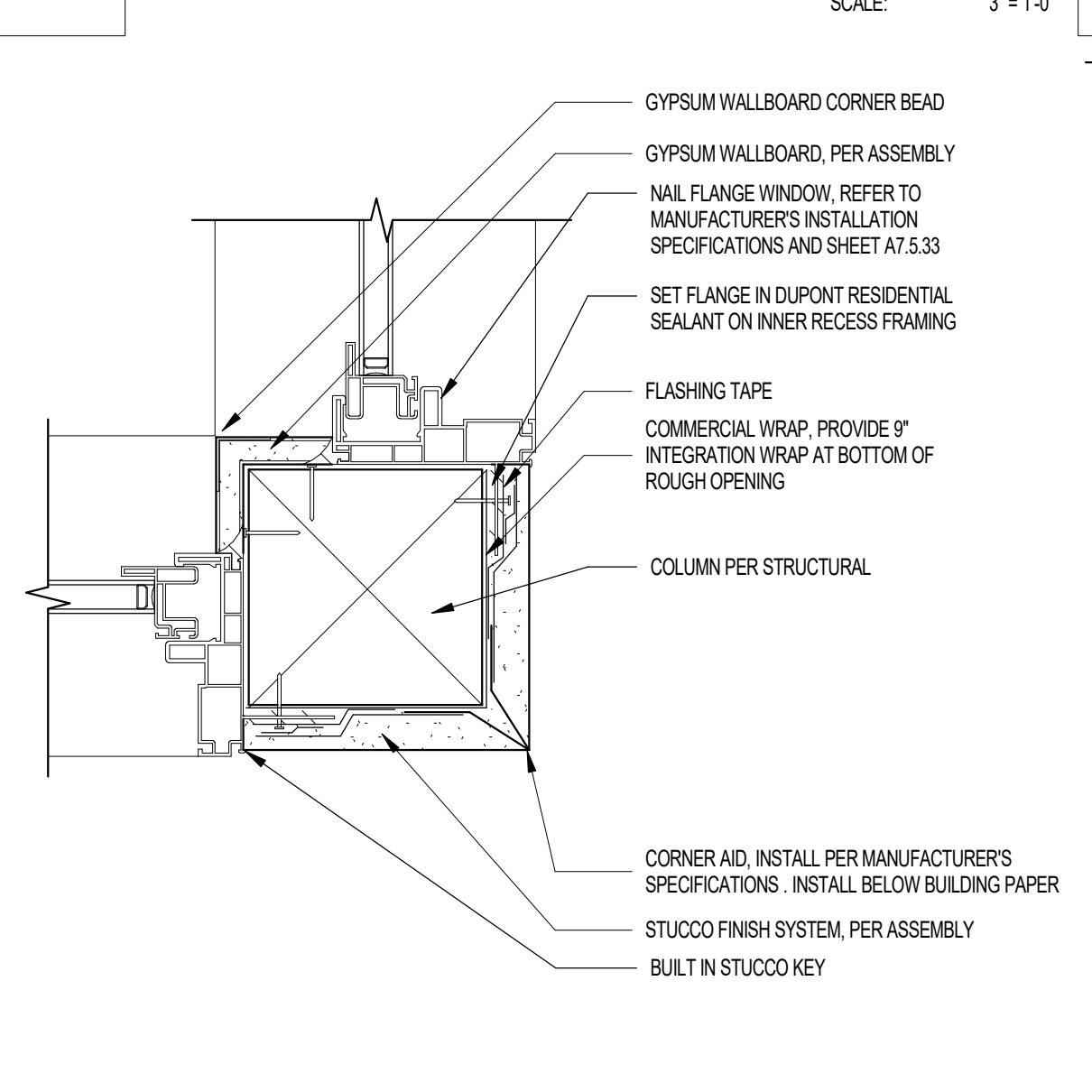
11 FLUSH FIXED WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



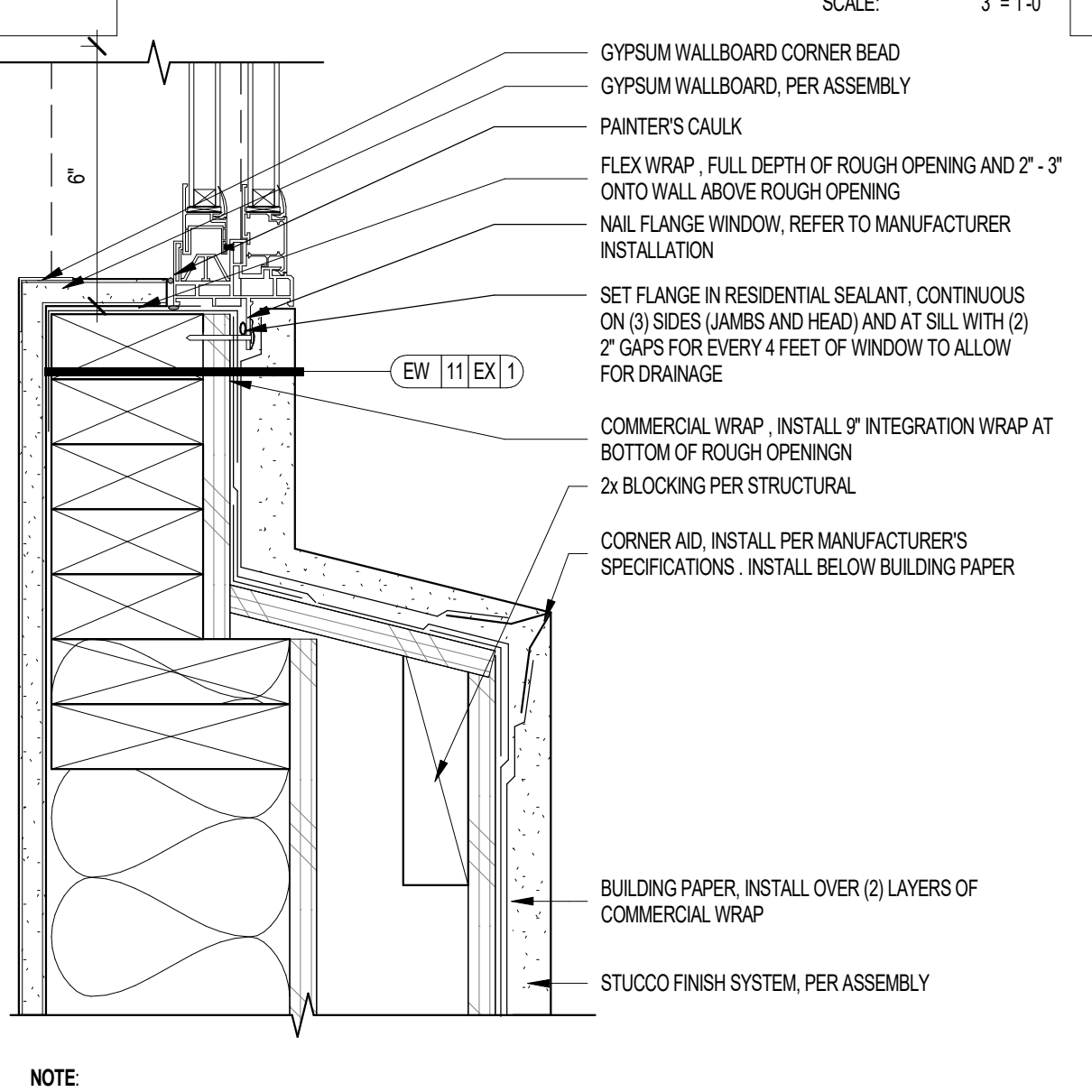
07 FLUSH WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



03 RECESSED WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



12 FLUSH CORNER WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



08 RECESSED WINDOW SILL AT POP OUT SHELF SCALE: 3\"/>

Project Name 1
Project Name 2
Street Address
City, State
Office of Rich Barber
ORB
Architecture, LLC
WorldHQ@ORBArch.com

PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the owner to request the submission of bills or estimates in billing cycles other than the first cycle. This contract shall be amended to reflect the owner's request for alternate billing schedules after certification and approval of billing and estimates. A written notification of such alternate billing cycle or payment cycle shall be provided to the owner or the architect's design consultant.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design consultant shall provide the written notification of request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are prepared for the project for which they are intended and shall not be used for any other project. The drawings and specifications are prepared for the project for which they are intended and shall not be used for any other project.

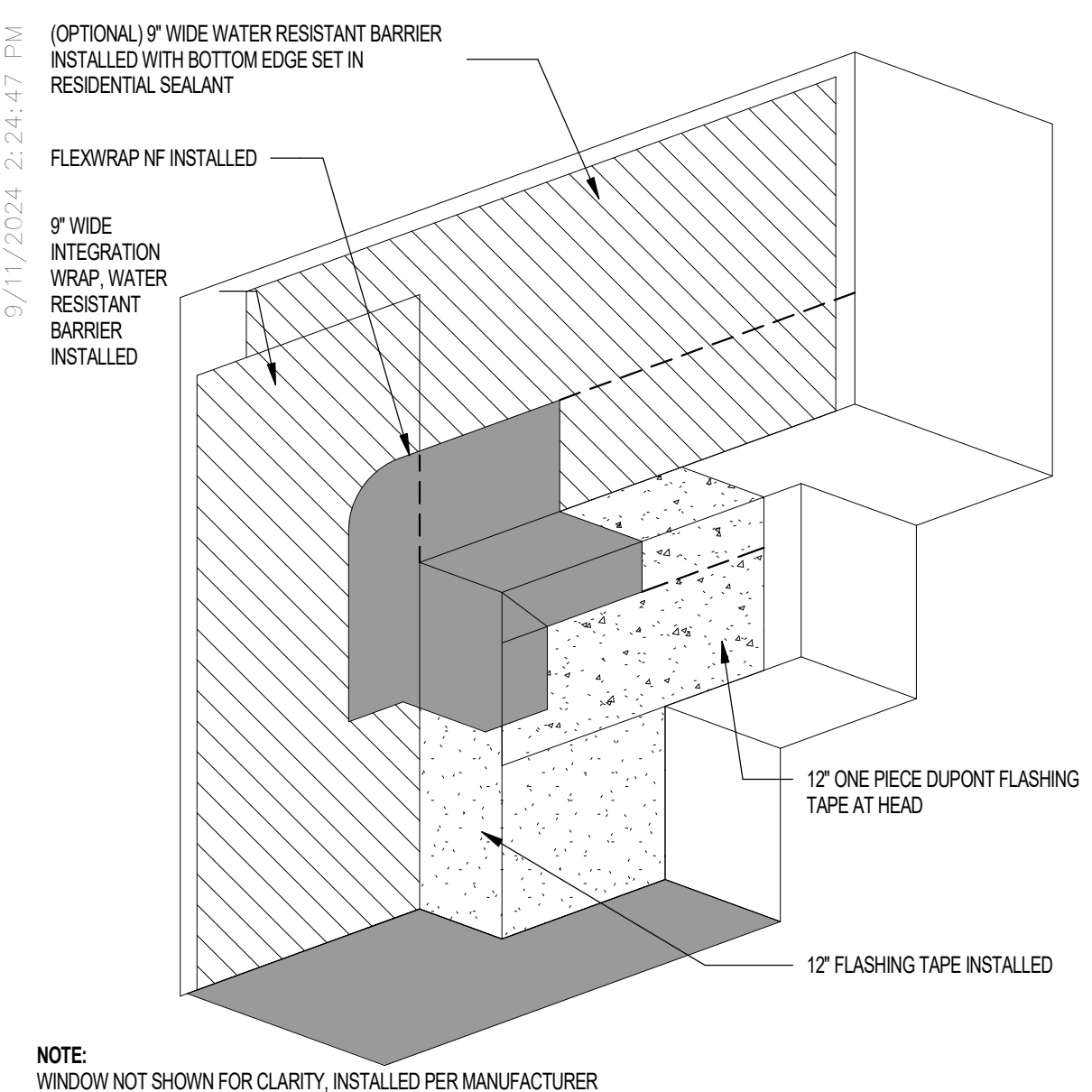
REVISIONS/SUBMITTALS

DATE	DESCRIPTION
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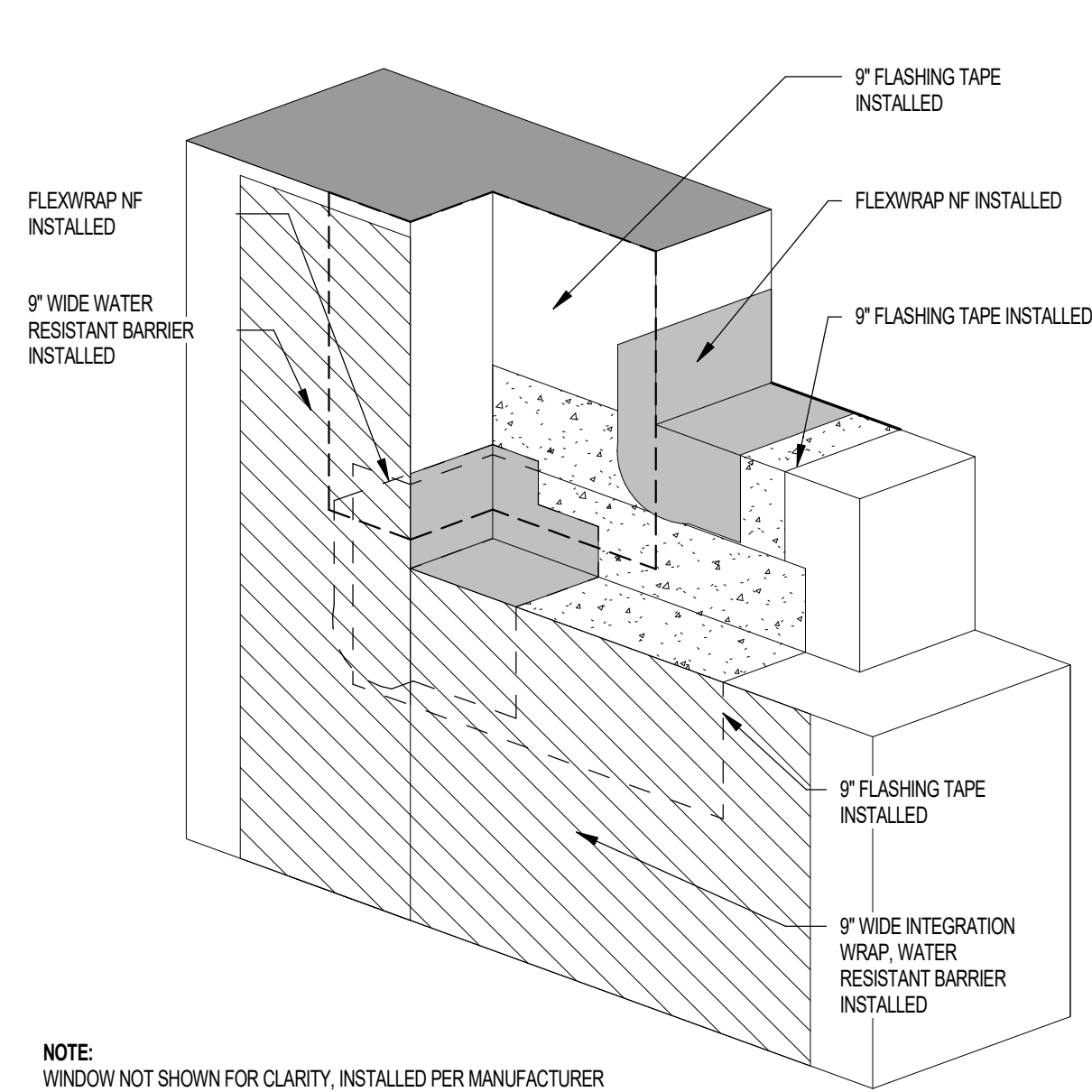
CONSTRUCTION SET
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.5.30.1
WINDOW DETAILS TYVEK METHOD
A

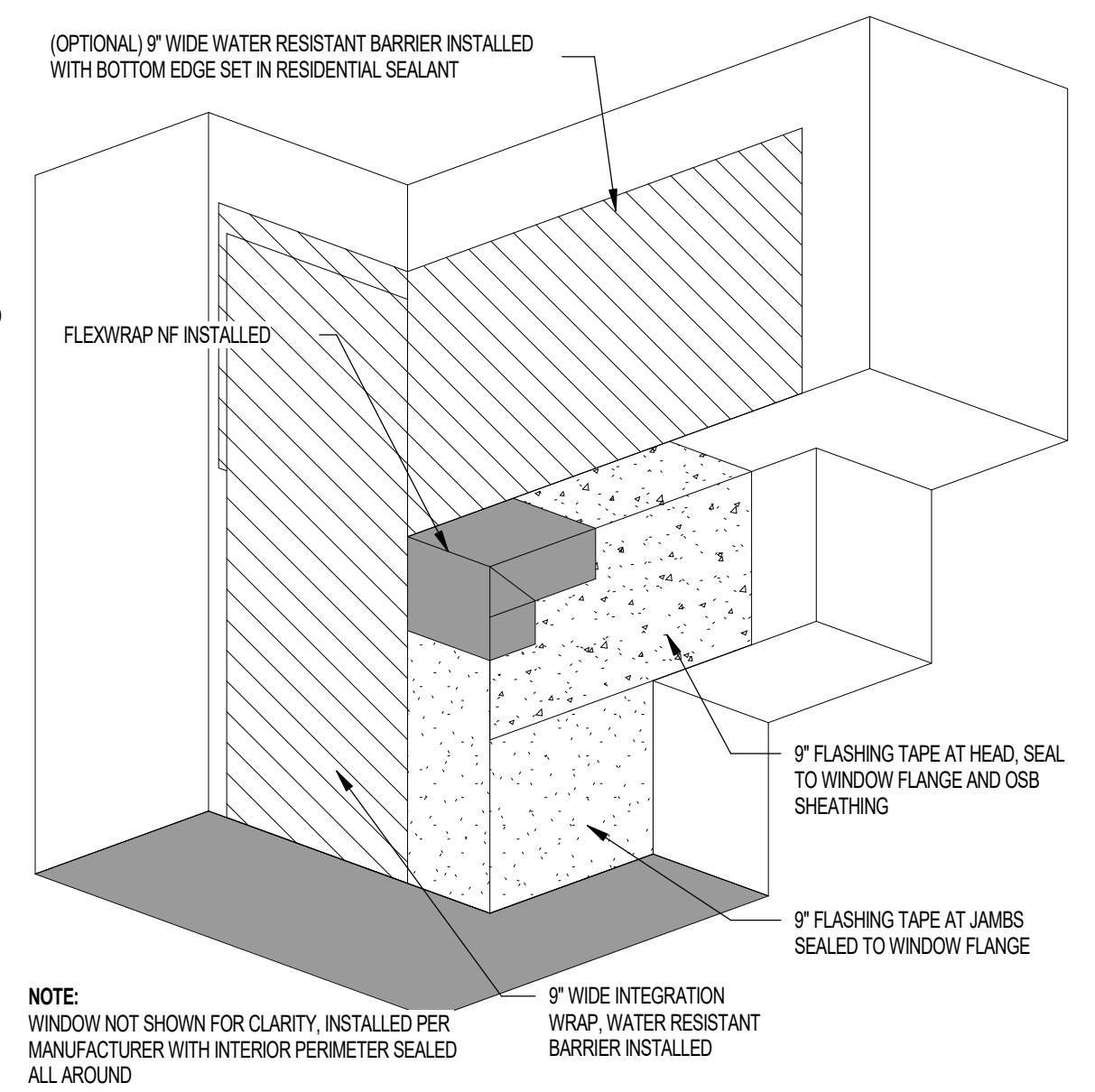
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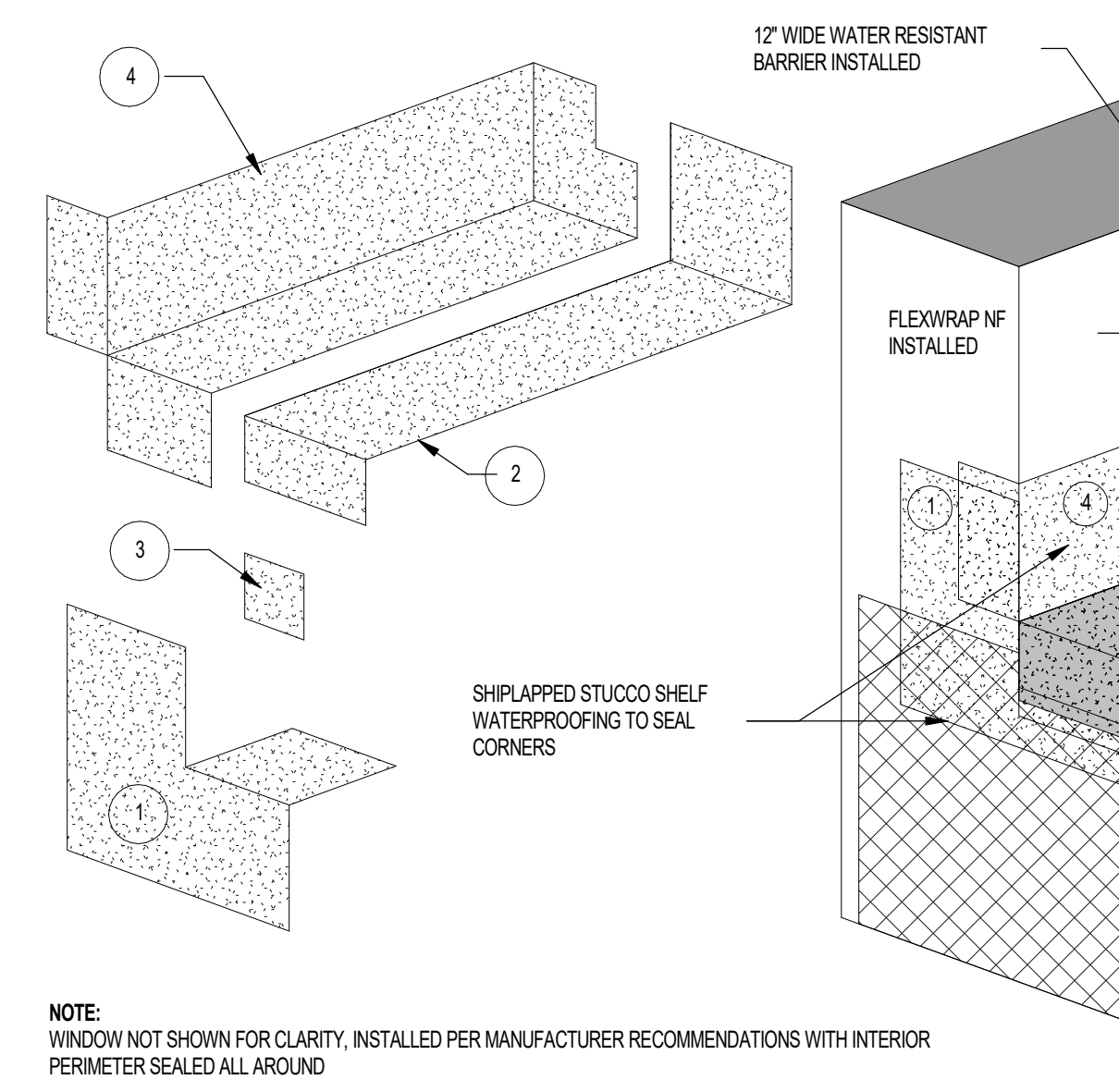
21 TYPICAL RECESSED WINDOW HEAD - ISOMETRIC SCALE: 1" = 1'-0"



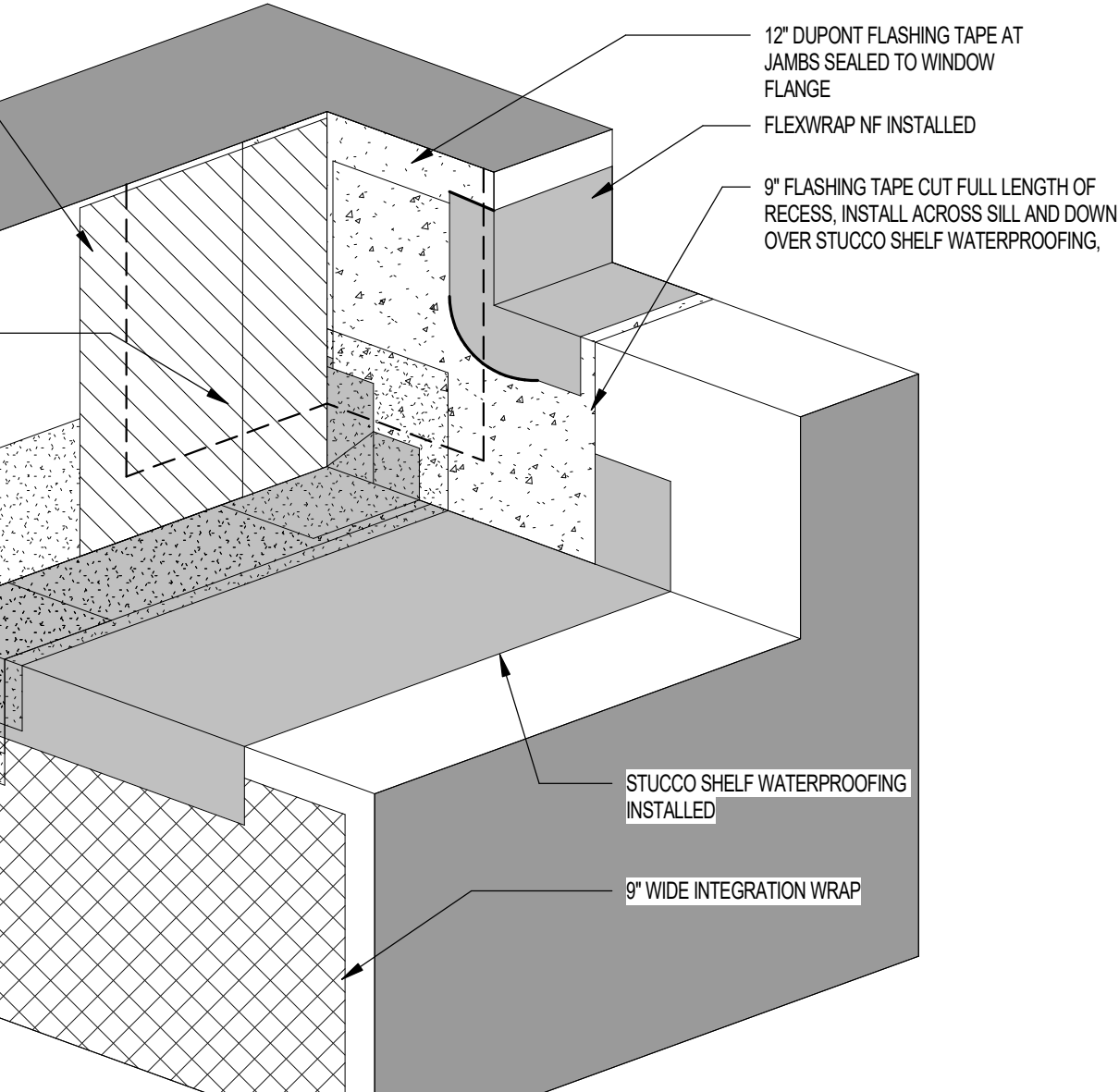
17 TYPICAL RECESSED WINDOW SILL - ISOMETRIC SCALE: 1" = 1'-0"



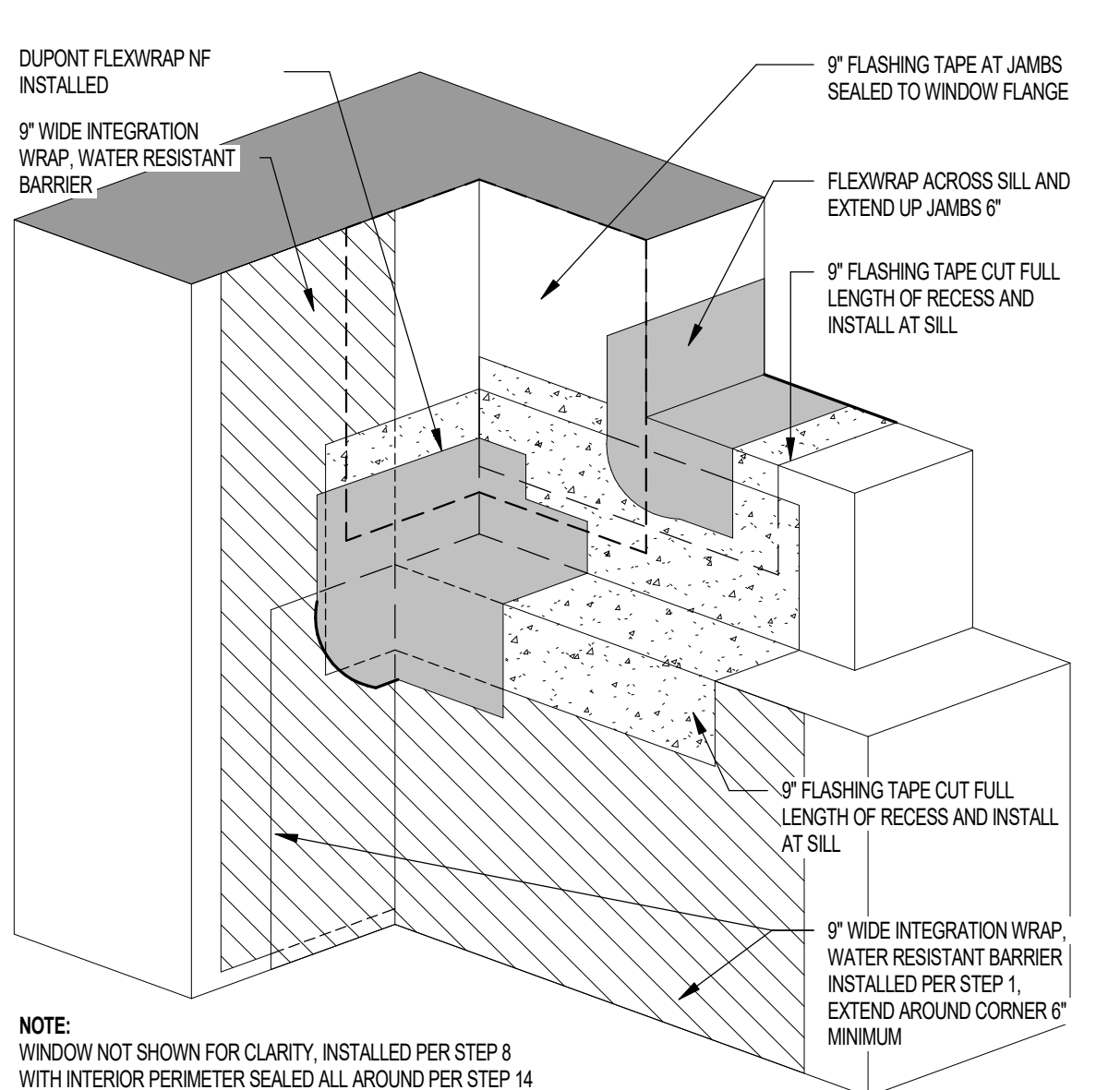
13 RECESSED WINDOW HEAD WITH POP OUT AT JAMB - ISOMETRIC SCALE: 1" = 1'-0"



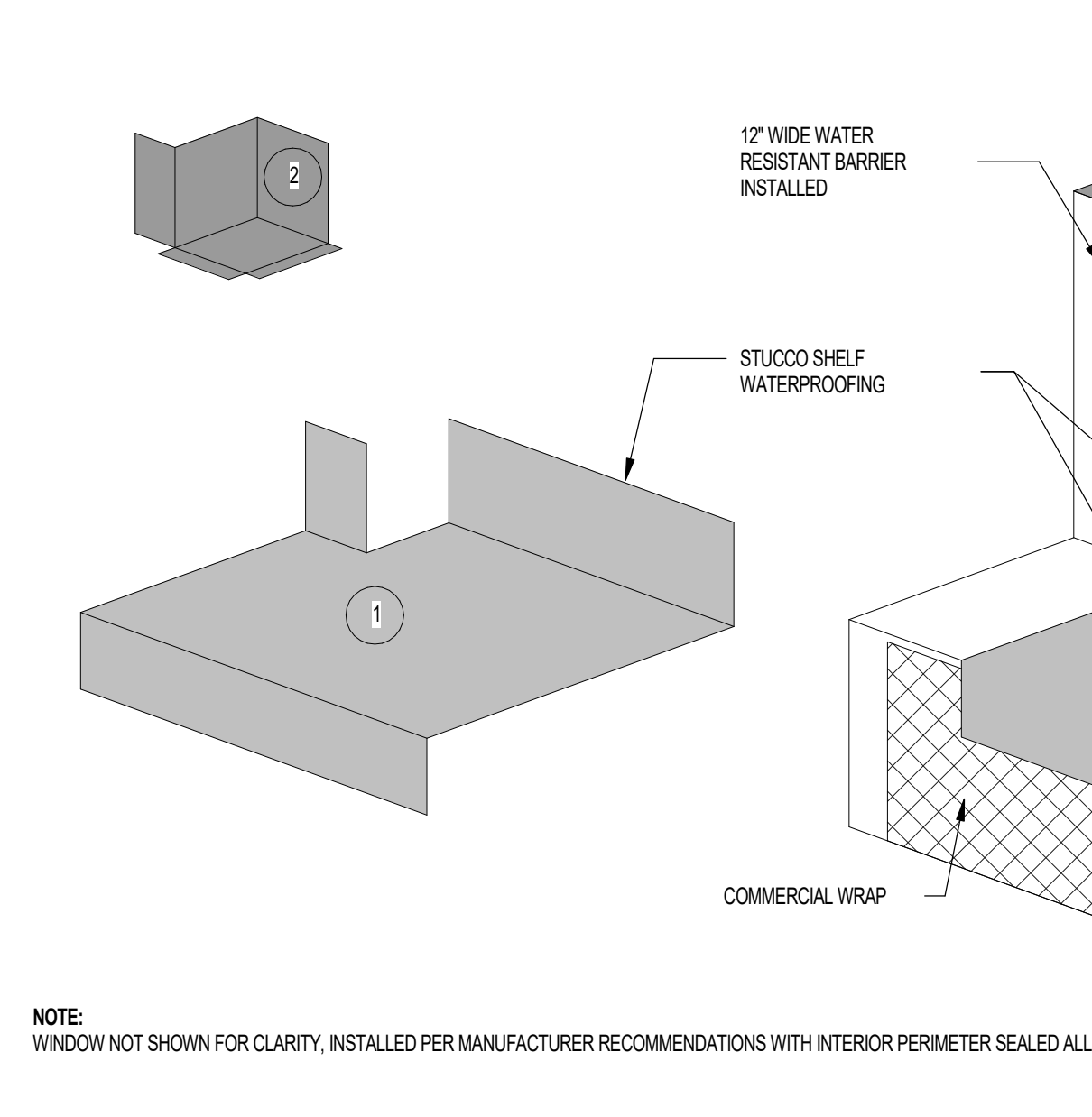
22 RECESSED WINDOW SILL AT POP BELOW & AT SIDE - ISOMETRIC SCALE: 1" = 1'-0"



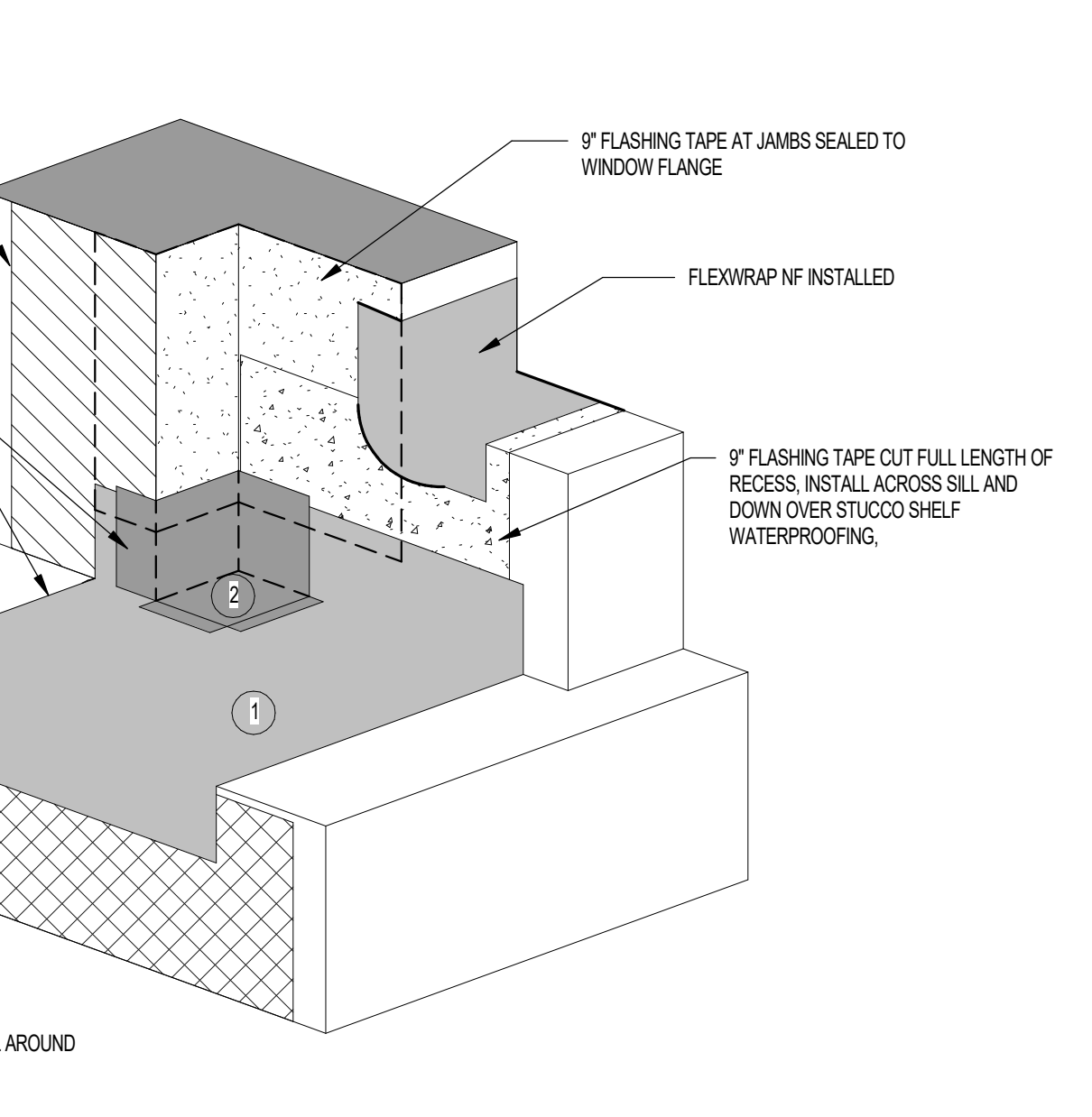
14 RECESSED WINDOW SILL WITH POP OUT AT JAMB - ISOMETRIC SCALE: 1" = 1'-0"



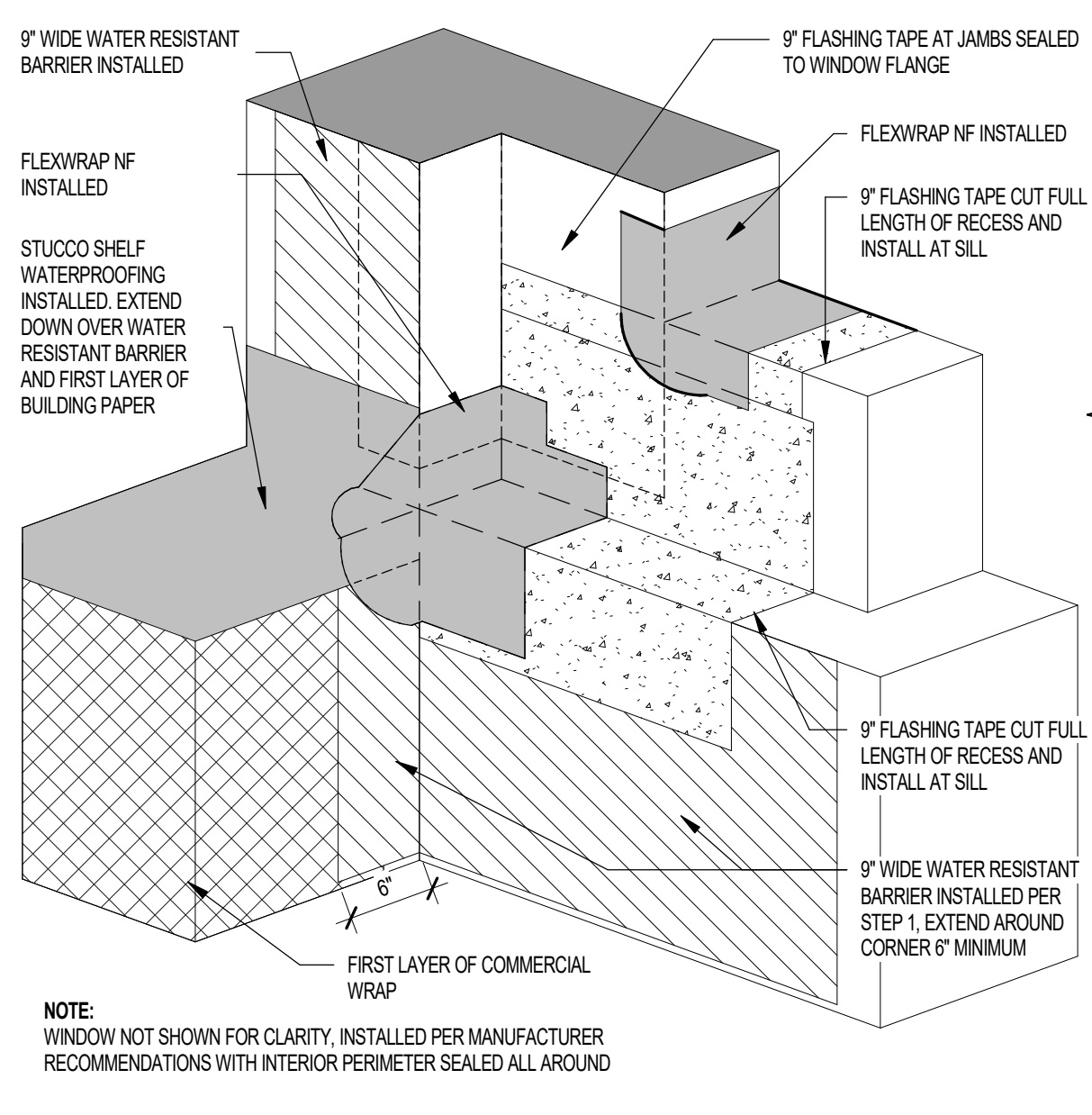
10 FLUSH FIXED WINDOW SILL FLASHING/FINISHES SCALE: 3\"/>



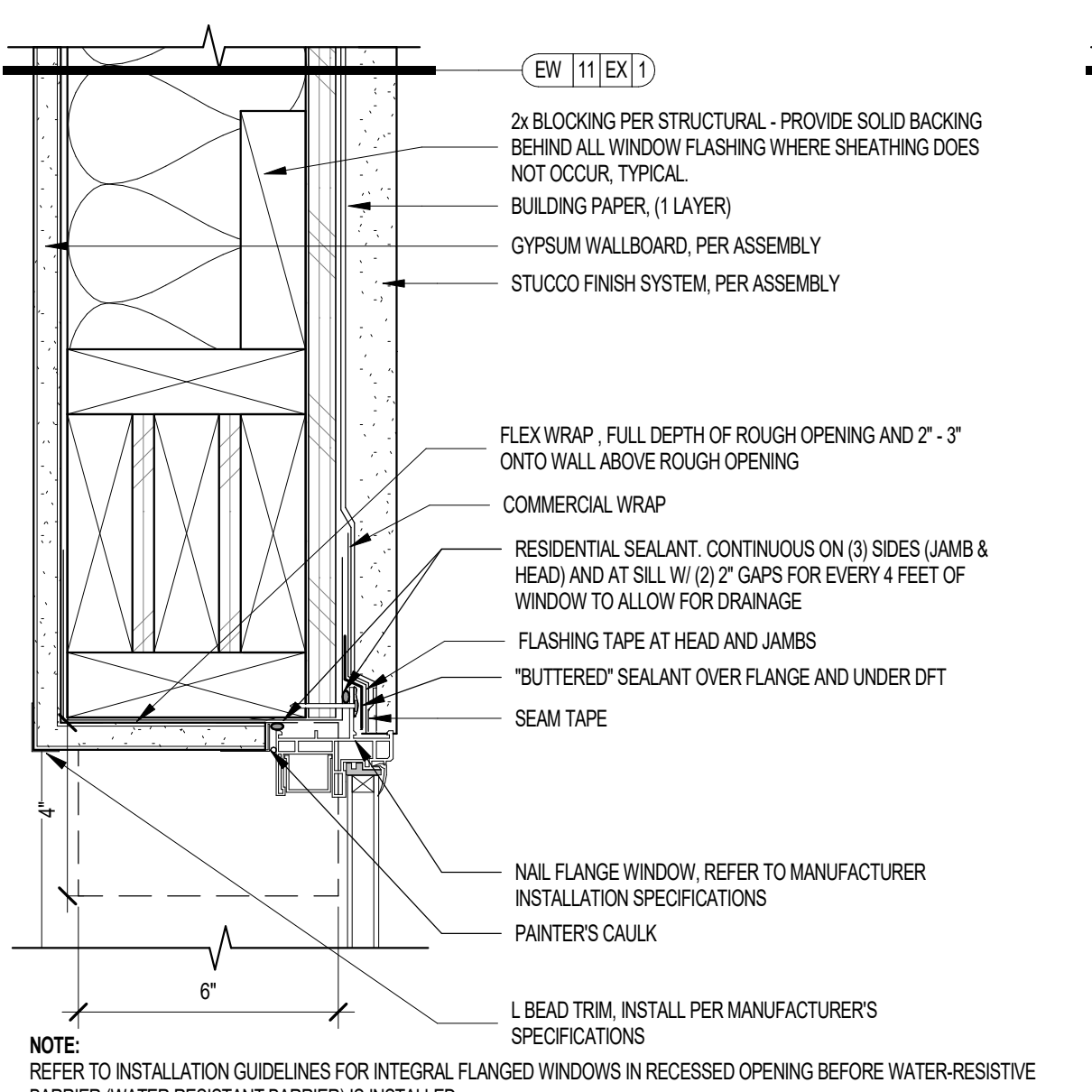
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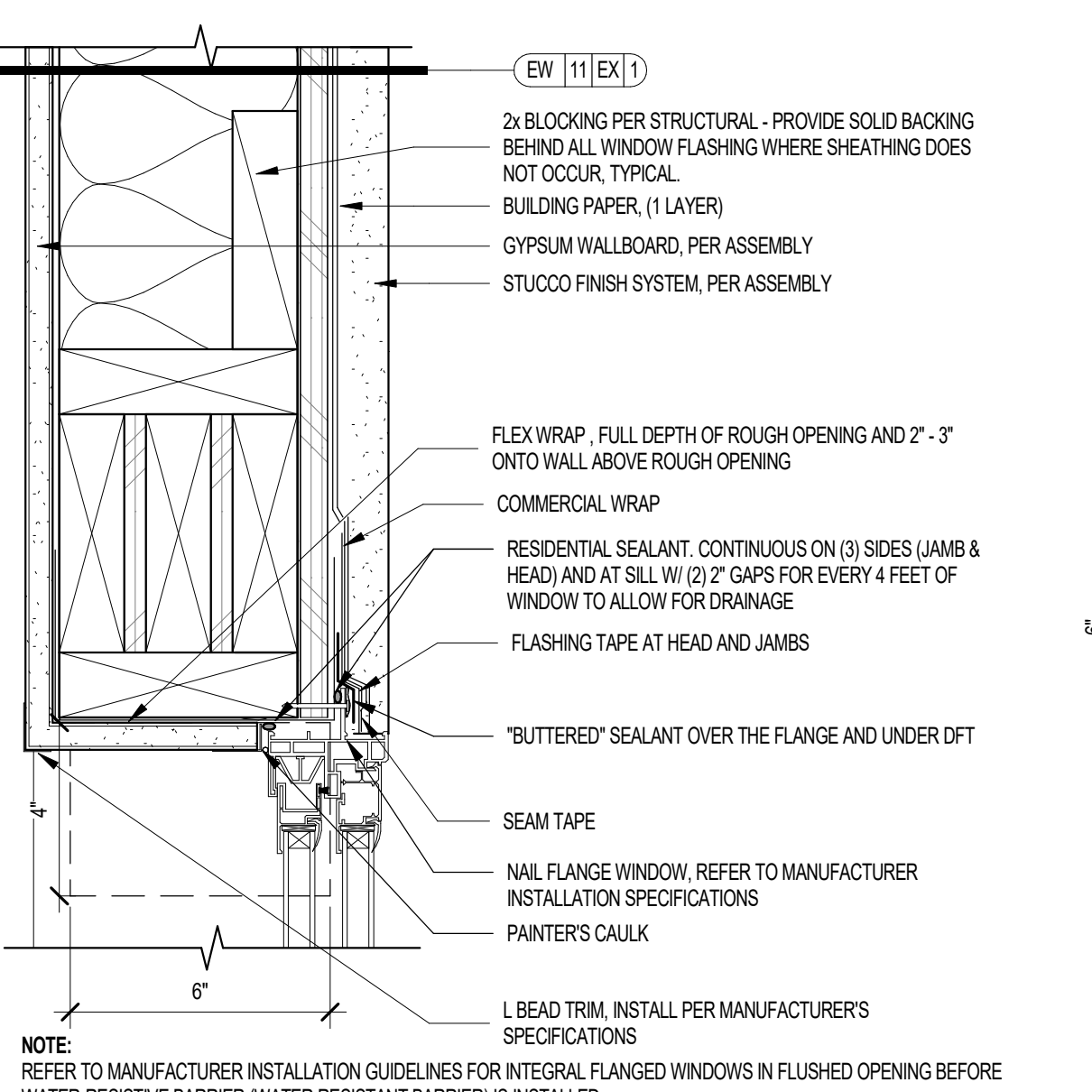
15 RECESSED WINDOW SILL AT POP OUT SHELF - ISOMETRIC SCALE: 1" = 1'-0"



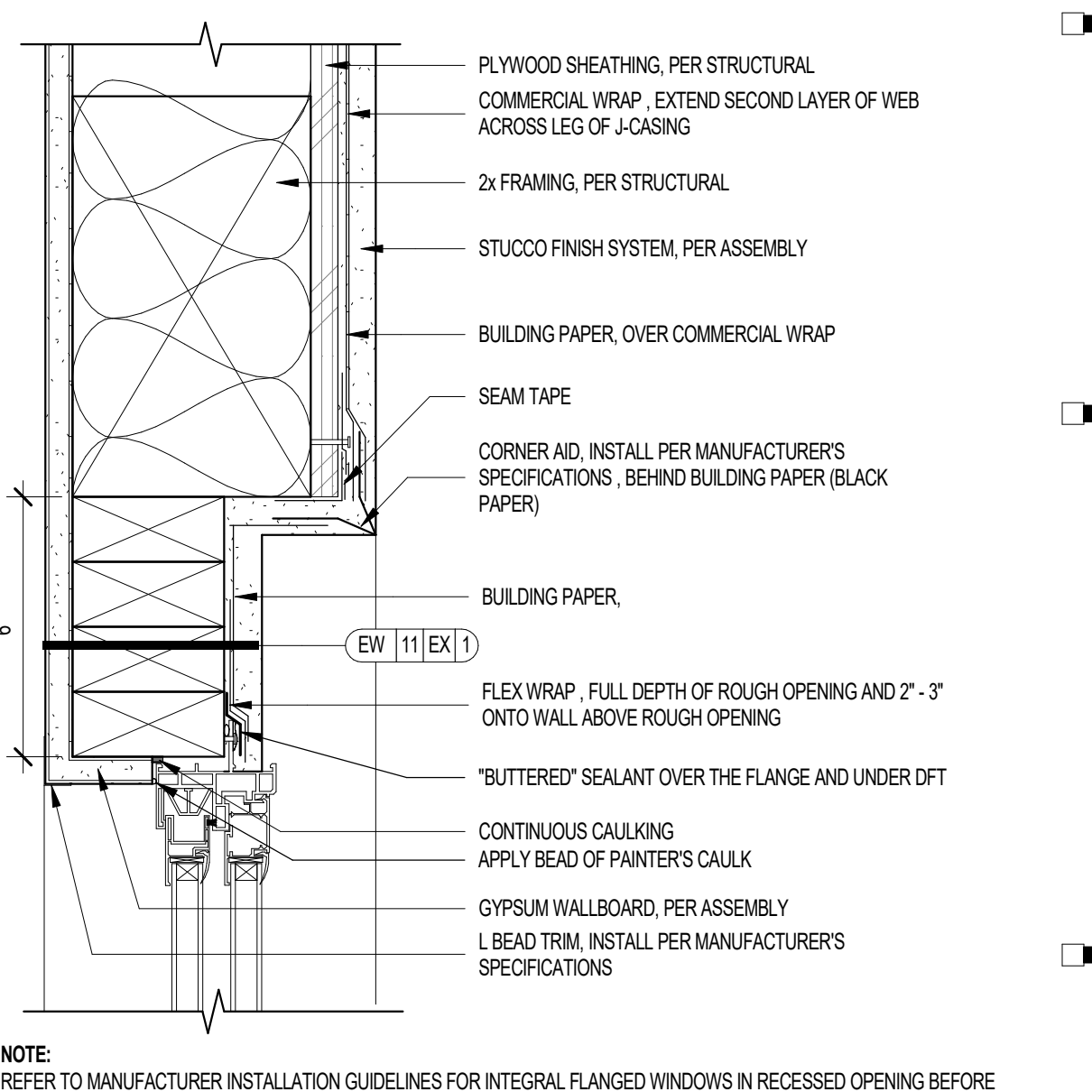
16 RECESSED WINDOW HEAD WITH POP OUT AT JAMB & HEAD - ISOMETRIC SCALE: 1" = 1'-0"



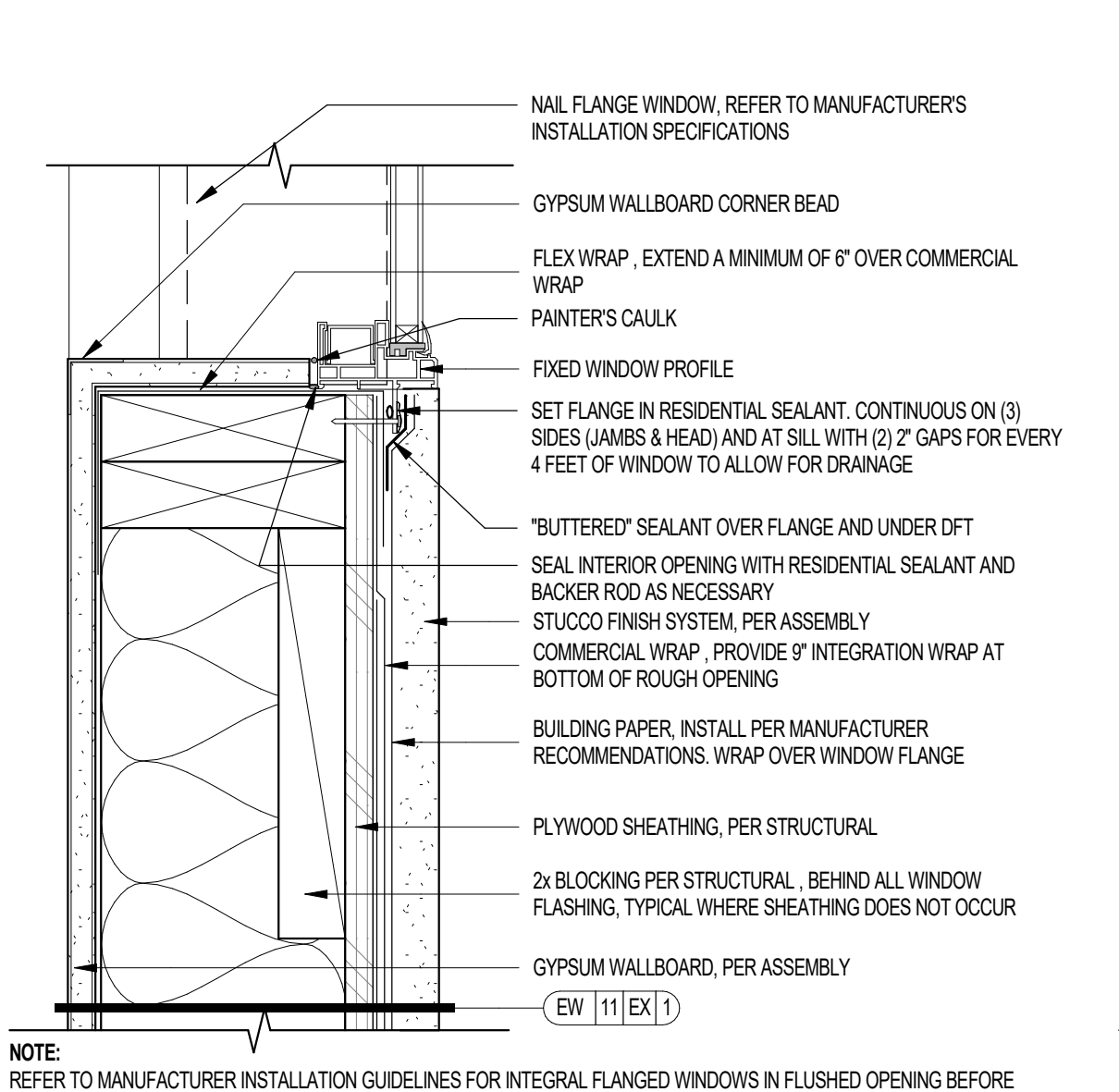
09 FLUSH FIXED WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



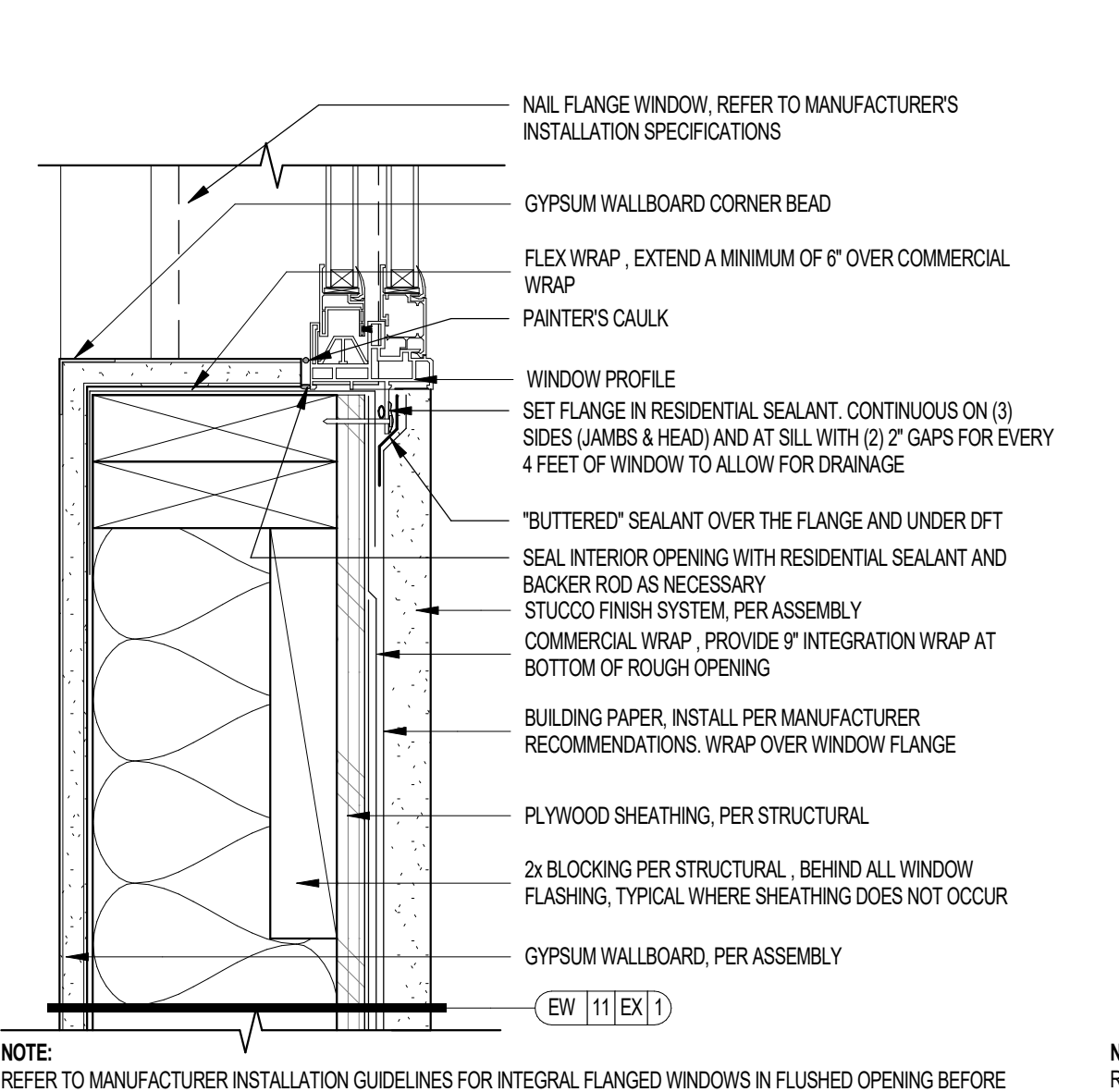
05 FLUSH WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



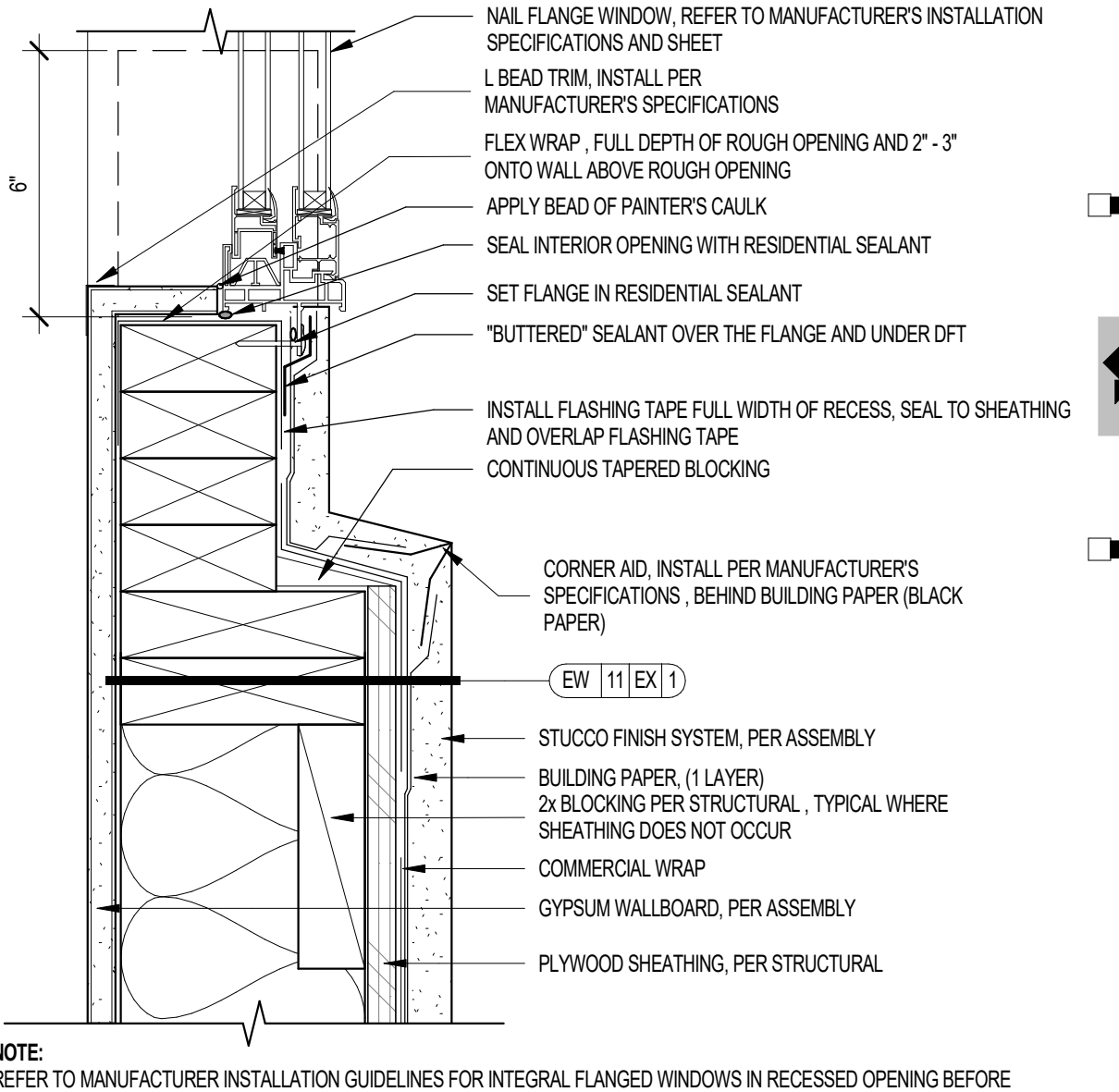
01 RECESSED WINDOW HEAD FLASHING/FINISHES SCALE: 3\"/>



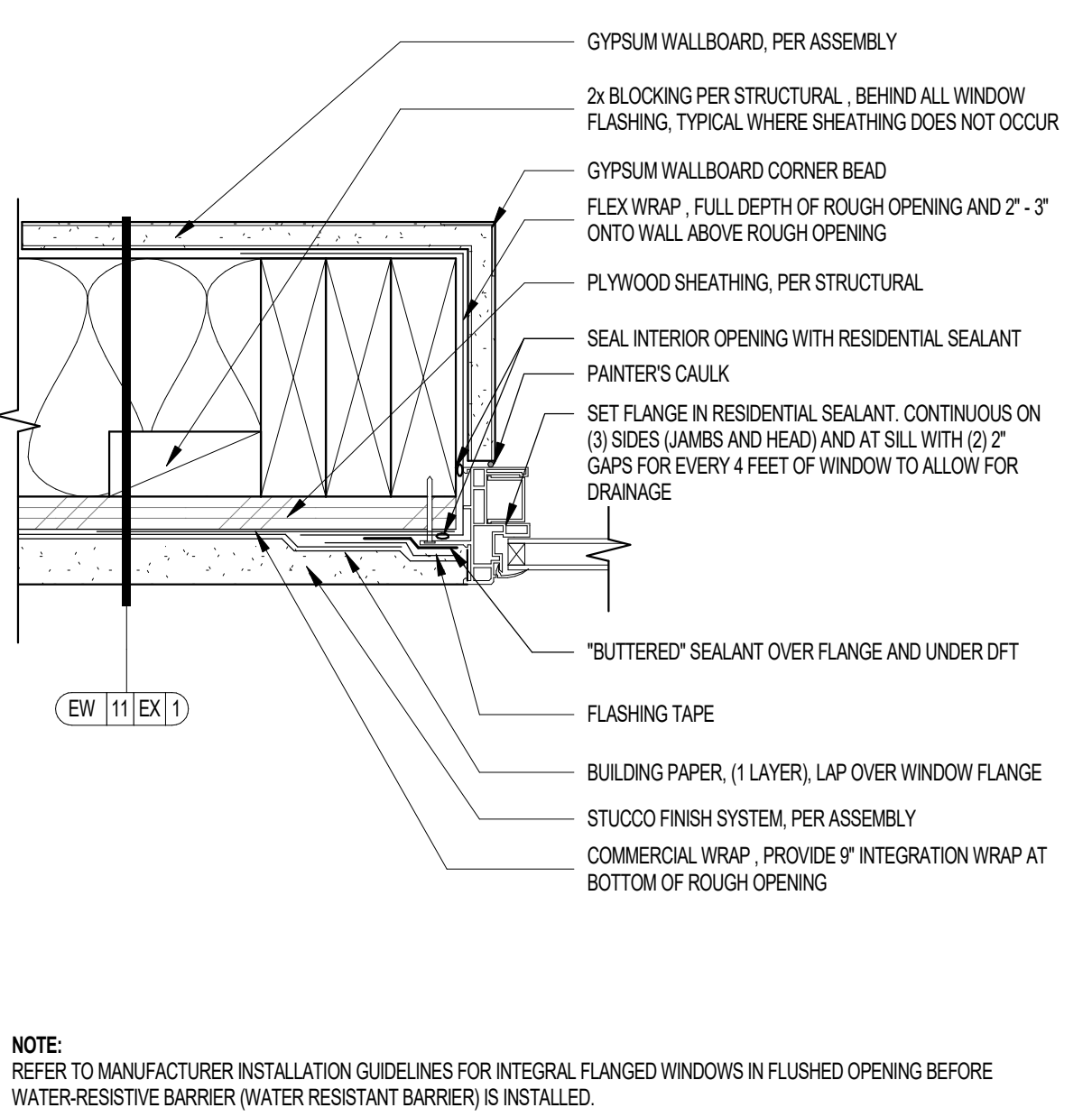
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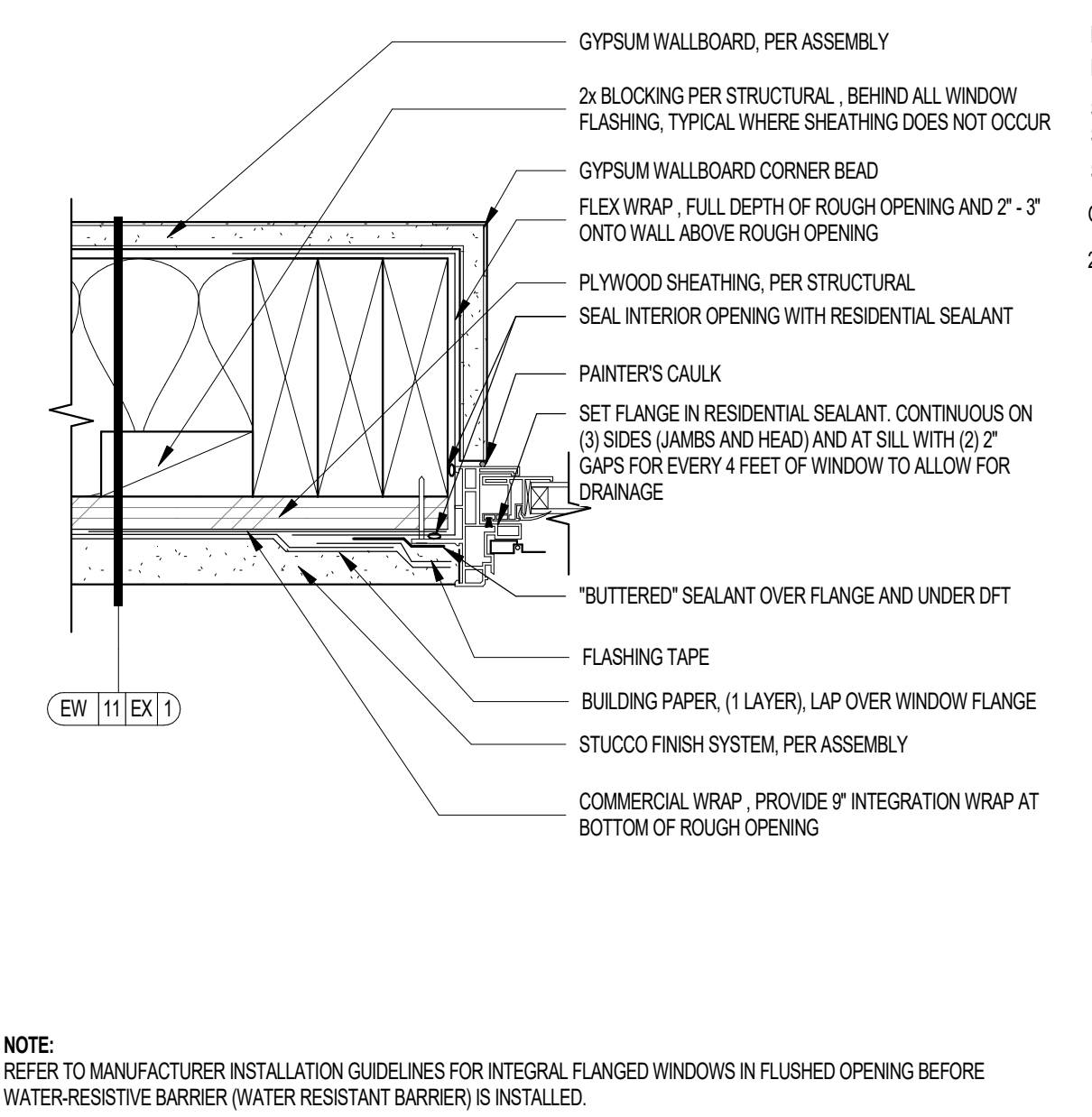
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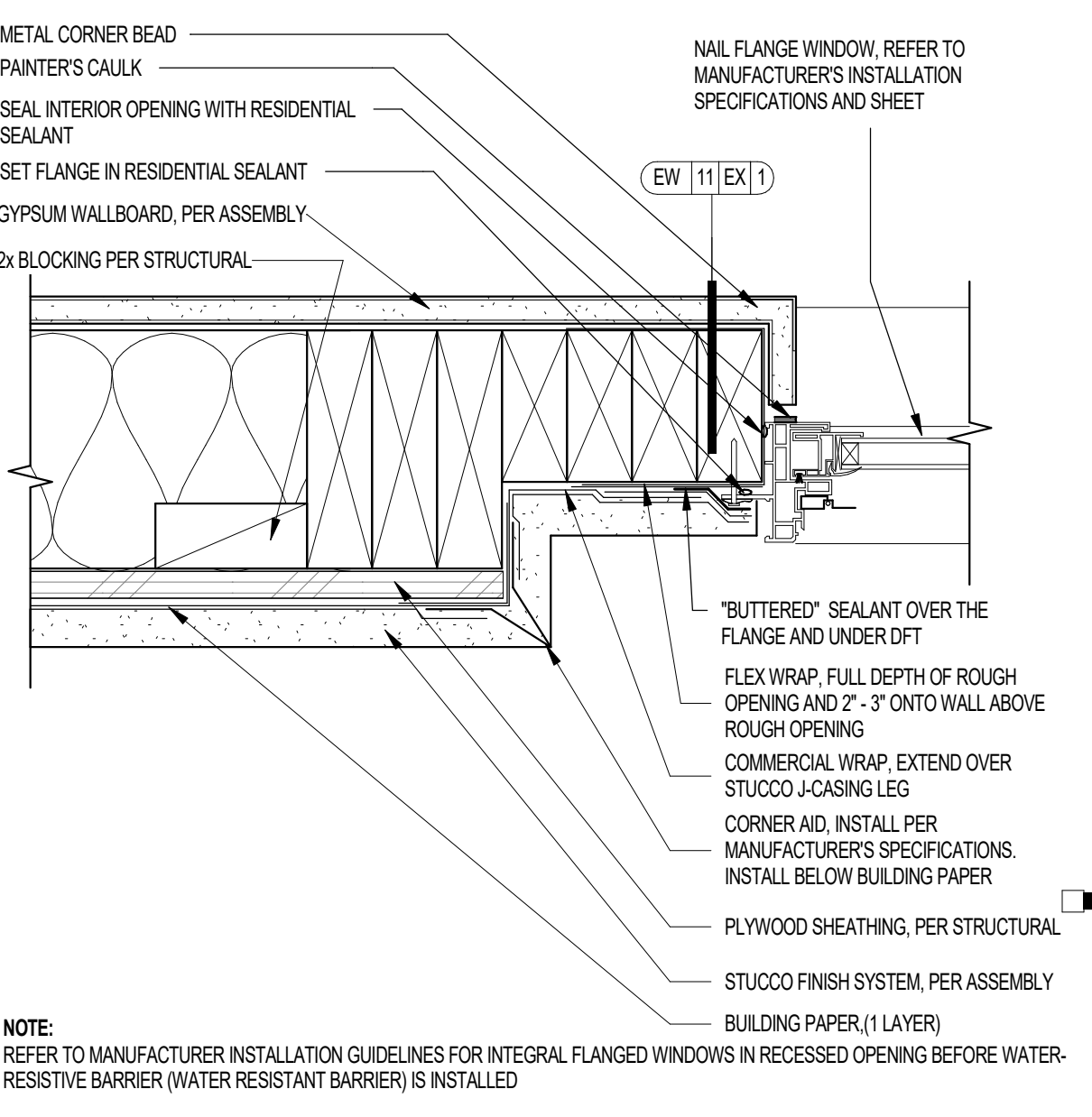
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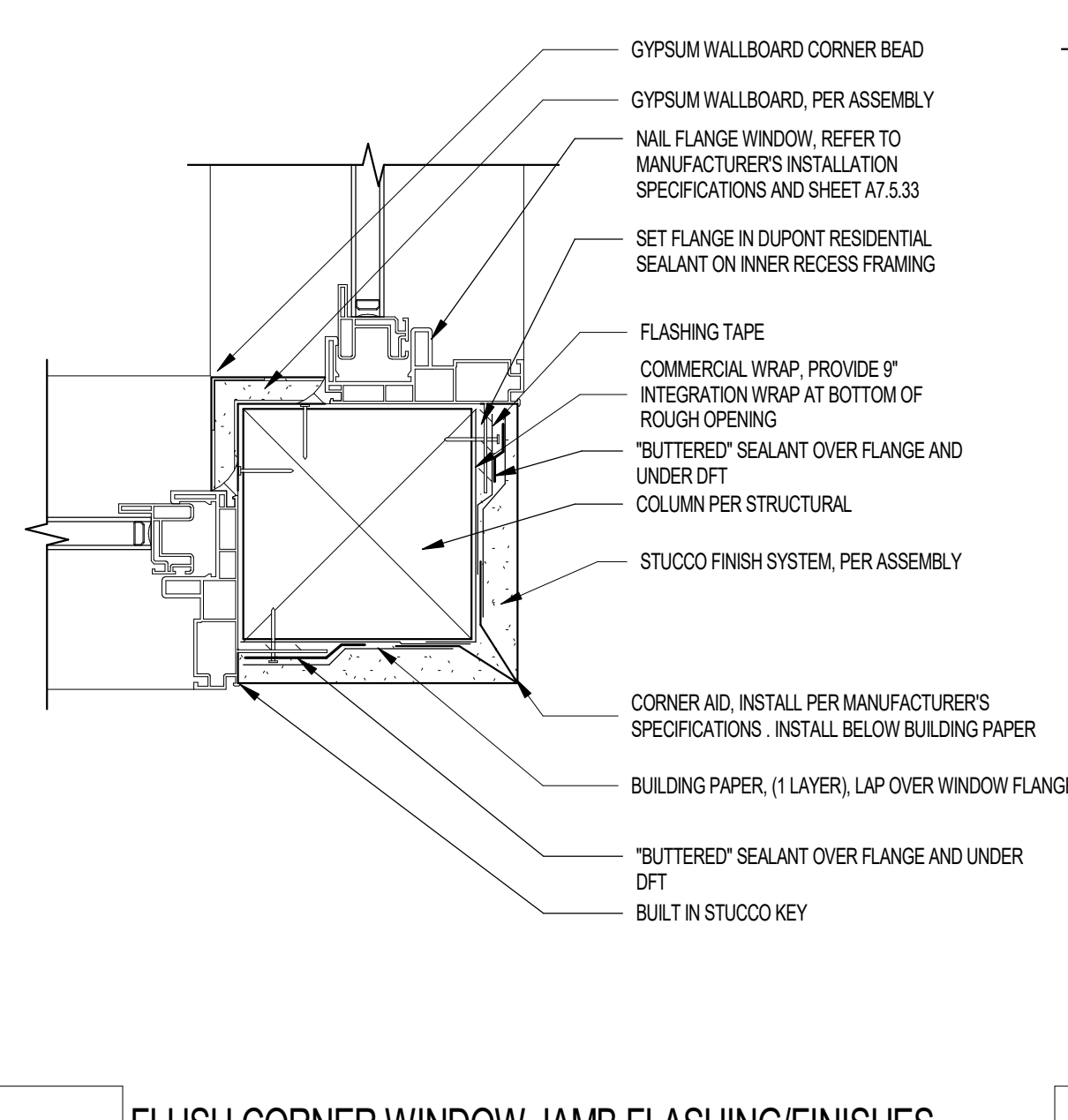
11 FLUSH FIXED WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



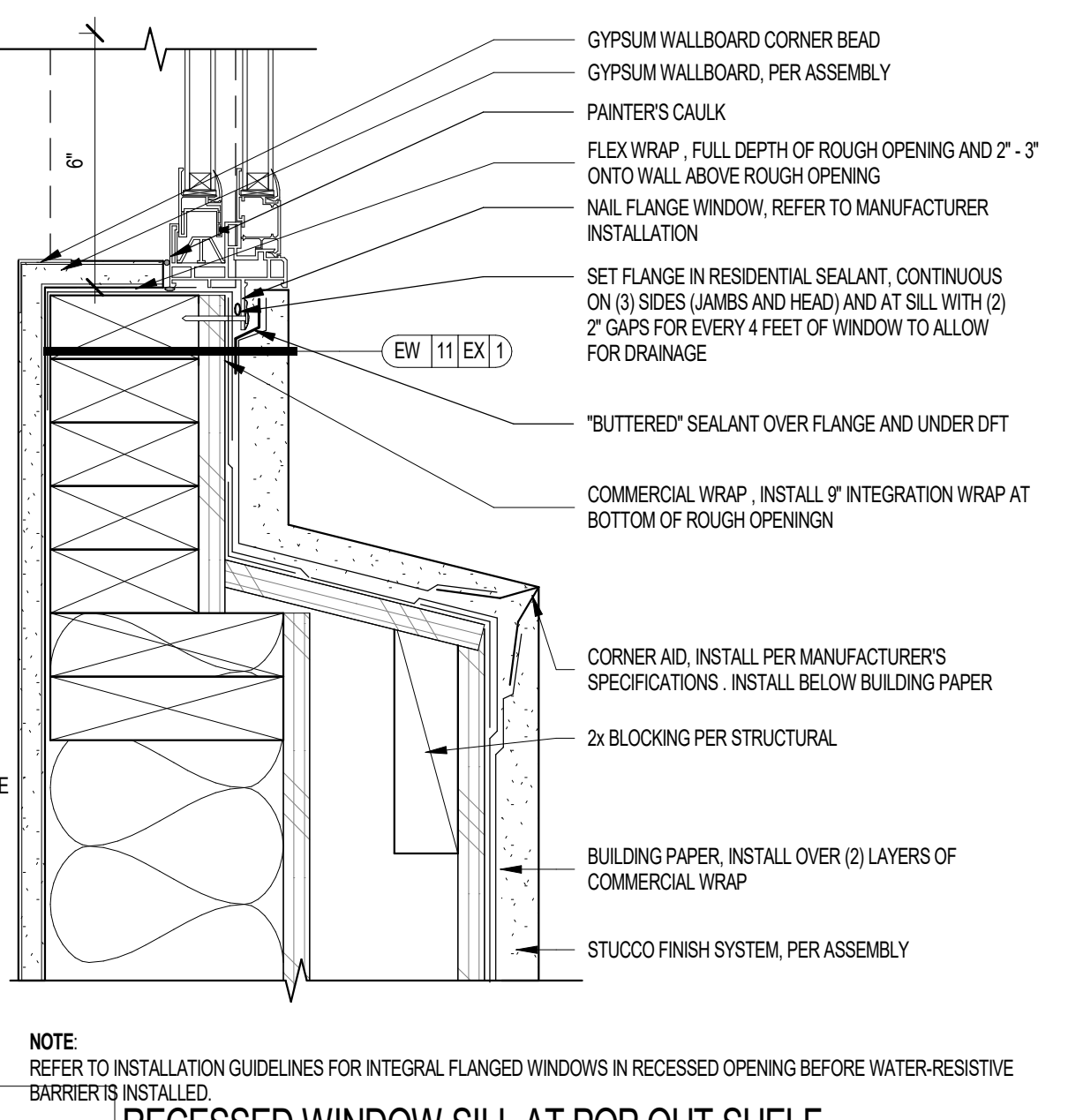
07 FLUSH WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



03 RECESSED WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



12 FLUSH CORNER WINDOW JAMB FLASHING/FINISHES SCALE: 3\"/>



08 RECESSED WINDOW SILL AT POP OUT SHELF SCALE: 3\"/>

Project Name 1
Project Name 2
Street Address
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NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the owner to request the submission of bills or estimates in billing cycles other than the regular cycle. This contract shall also be subject to the terms and conditions of the alternate billing schedule after certification and approval of billing and estimates. A written notification of such alternate billing cycle shall be provided to the project manager prior to the start of the project. The project manager shall not be responsible for any other project details or specifications not included in this contract.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or his designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

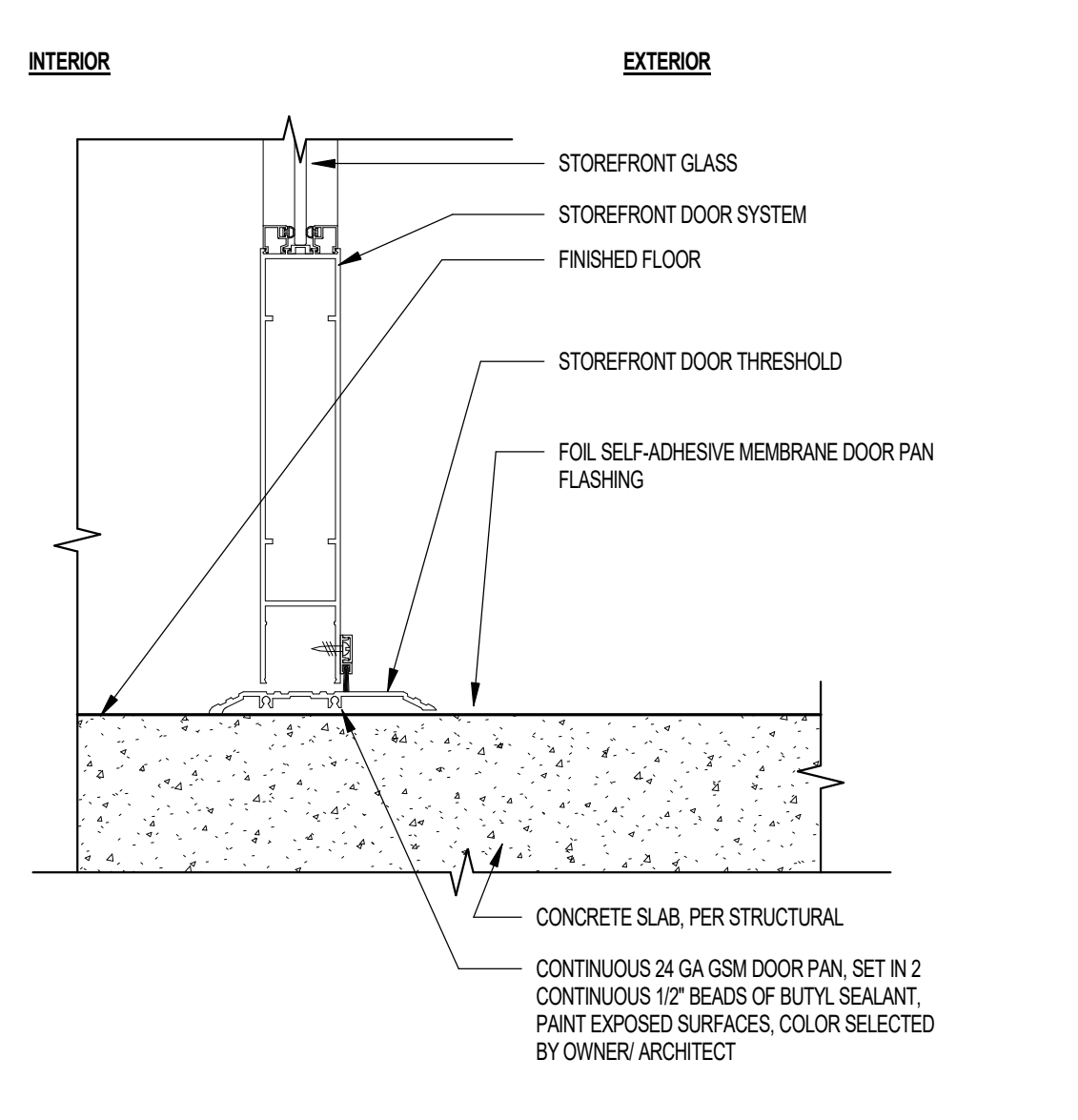
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings are prepared for the project. They are made to order and are not to be used for any other project. It is the responsibility of the user to obtain the necessary permissions for the use of these drawings and specifications for any other project.

REVISIONS/SUBMITTALS

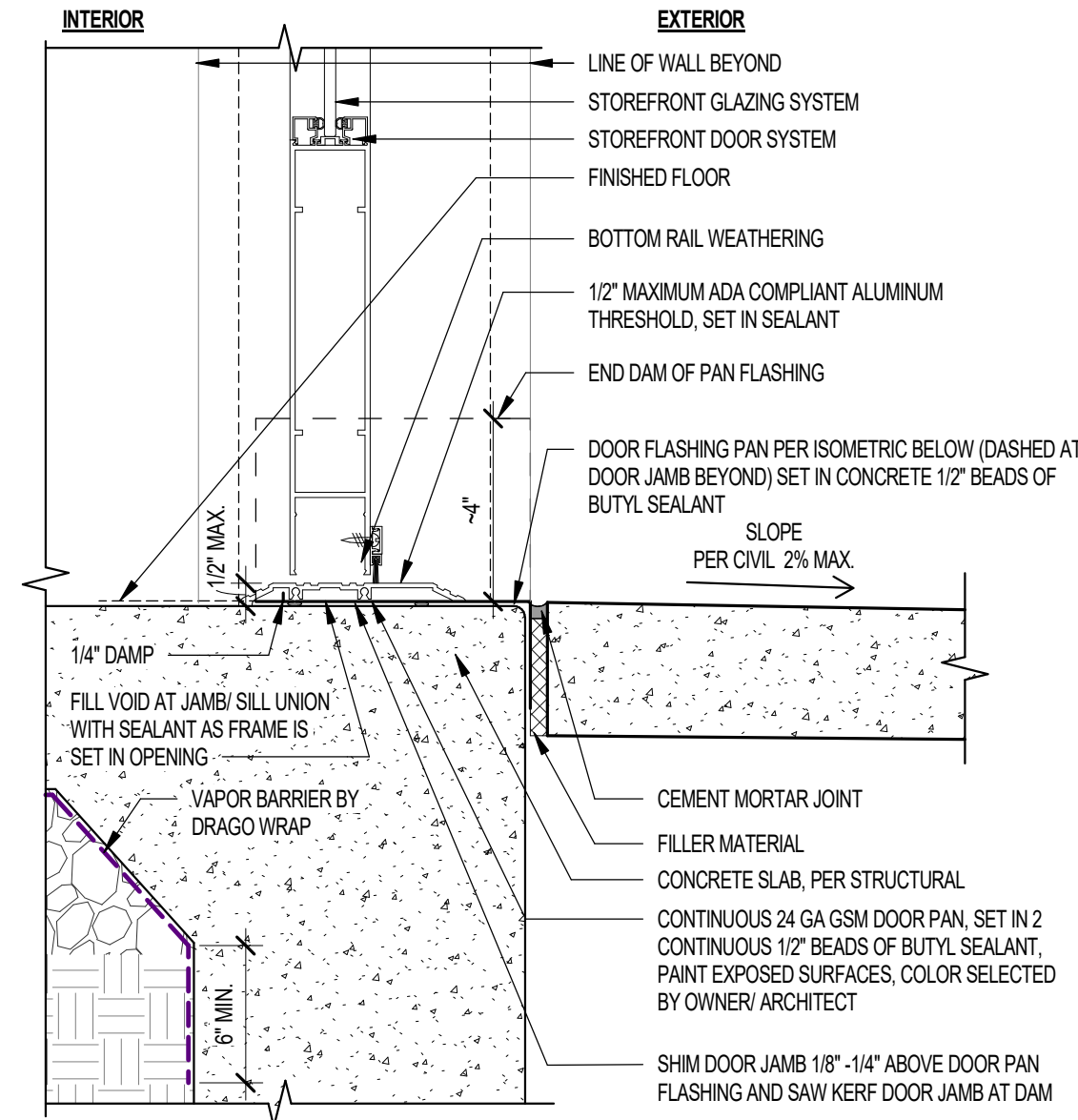
DATE	DESCRIPTION
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CONSTRUCTION SET
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

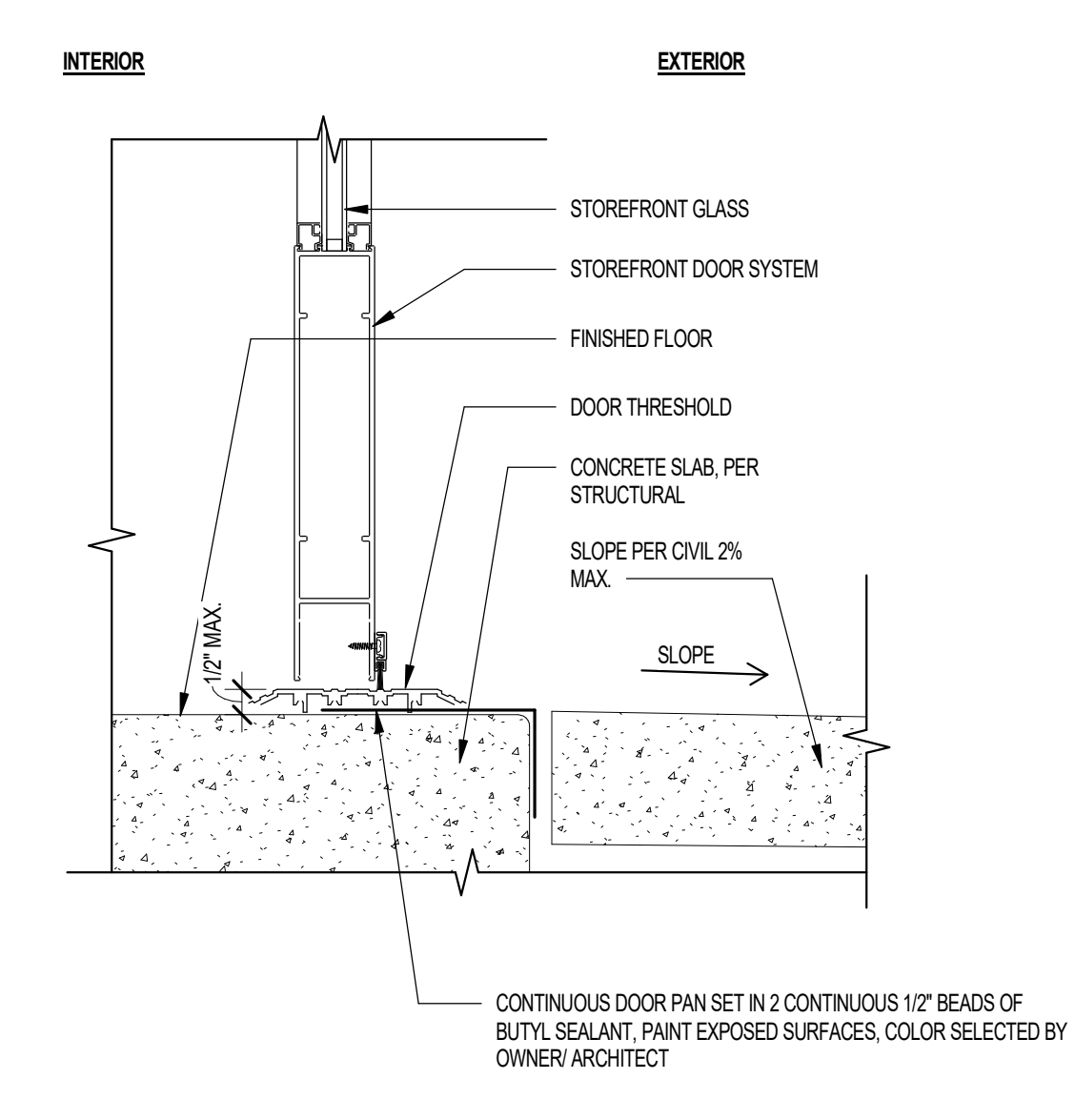
A7.5.30.2
WINDOW DETAILS TYVEK METHOD
B



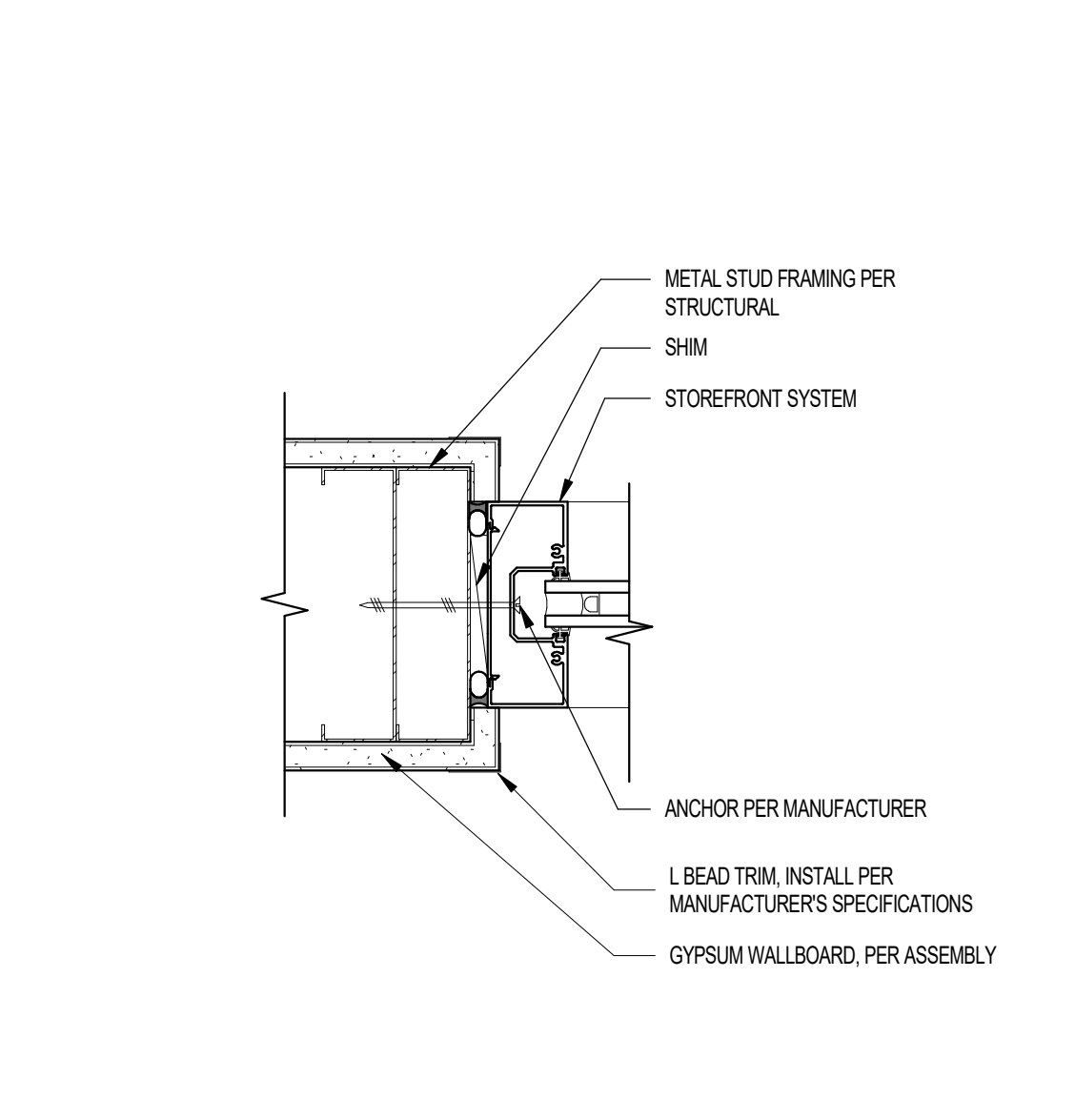
17 STOREFRONT DOOR SILL AT SLAB - INTERIOR SCALE: 3" = 1'-0"



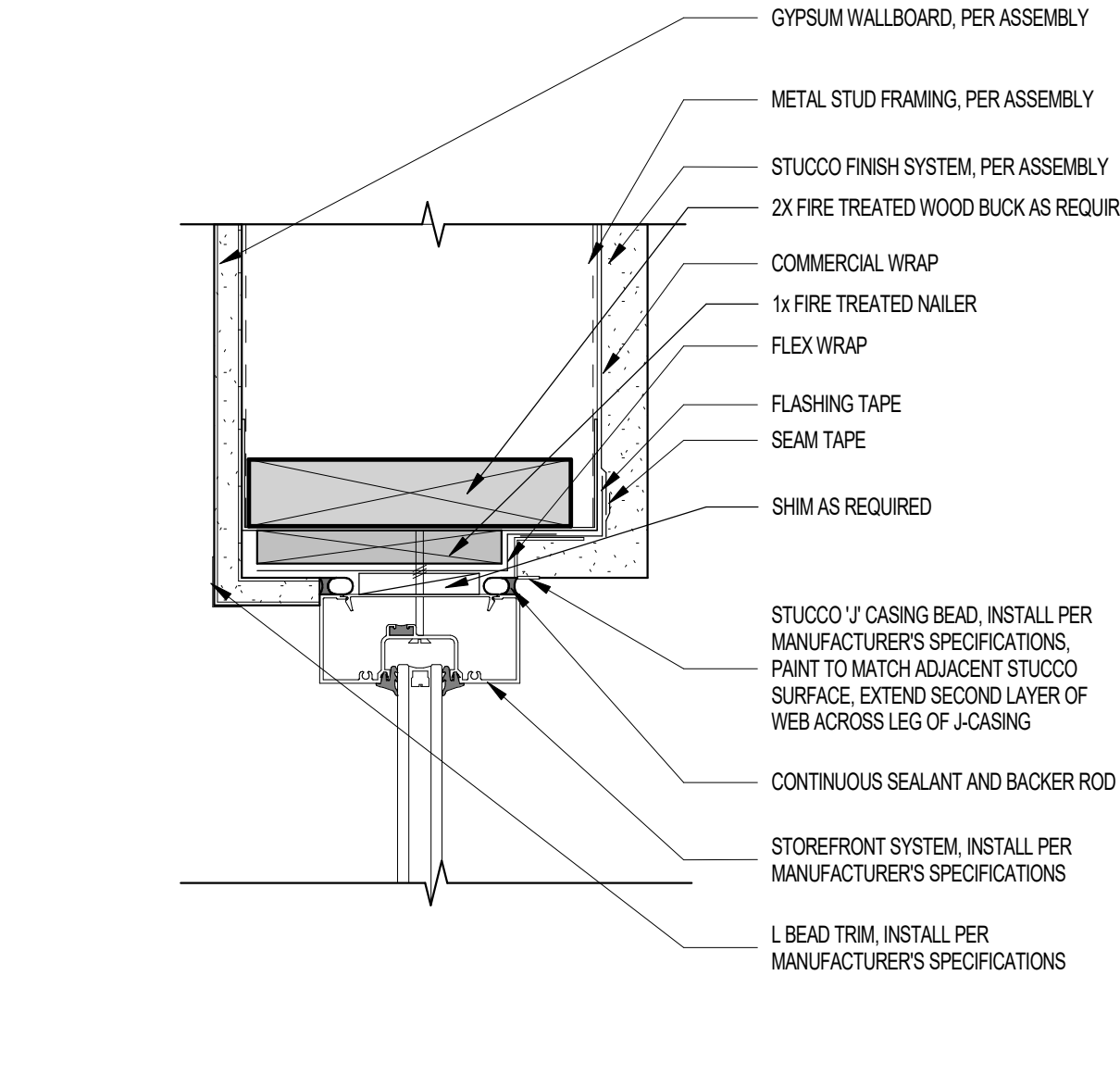
13 STOREFRONT DOOR SILL AT SLAB EDGE & SIDEWALK SCALE: 3" = 1'-0"



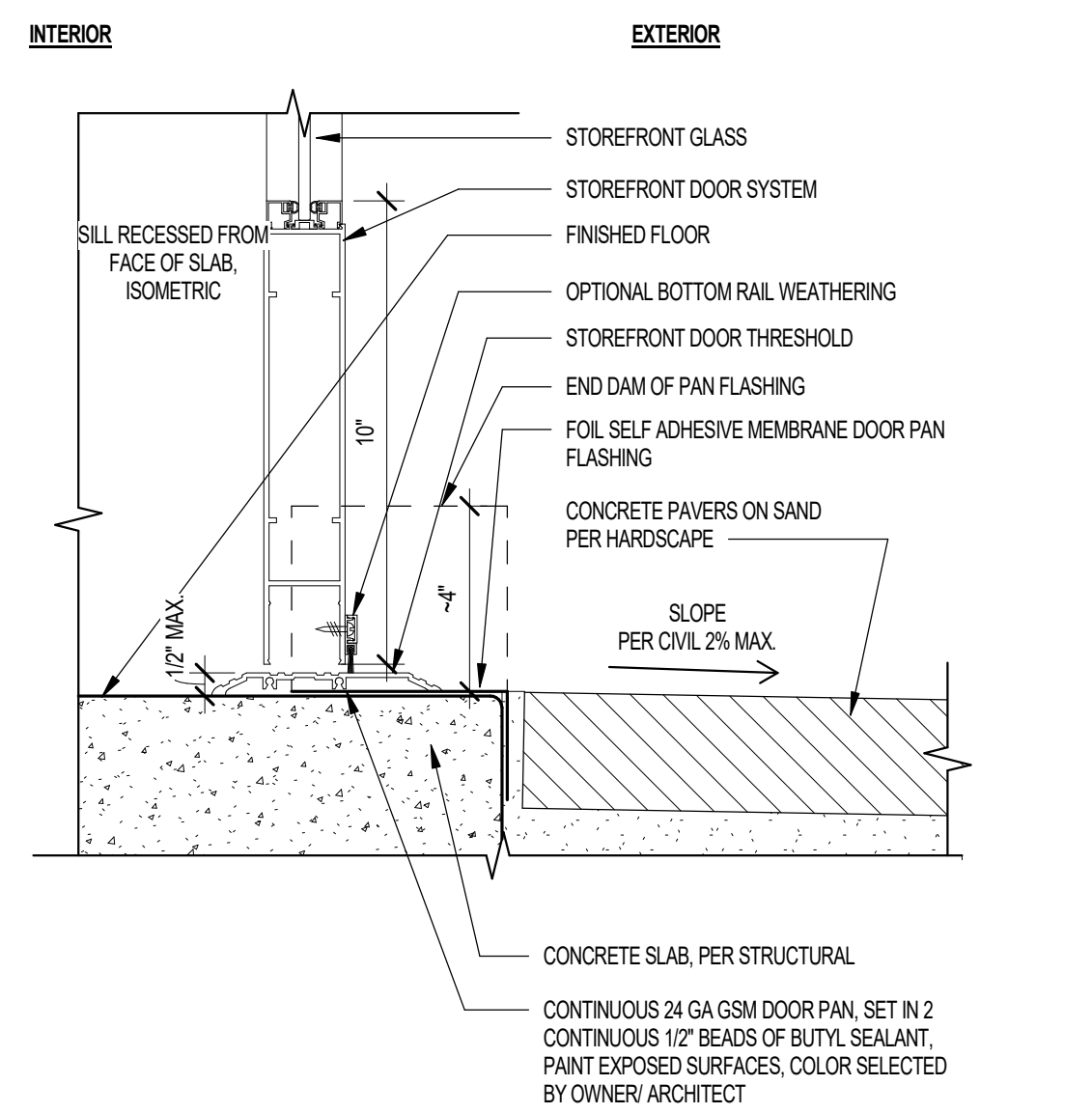
09 STOREFRONT DOOR SILL AT SLAB EDGE SCALE: 3" = 1'-0"



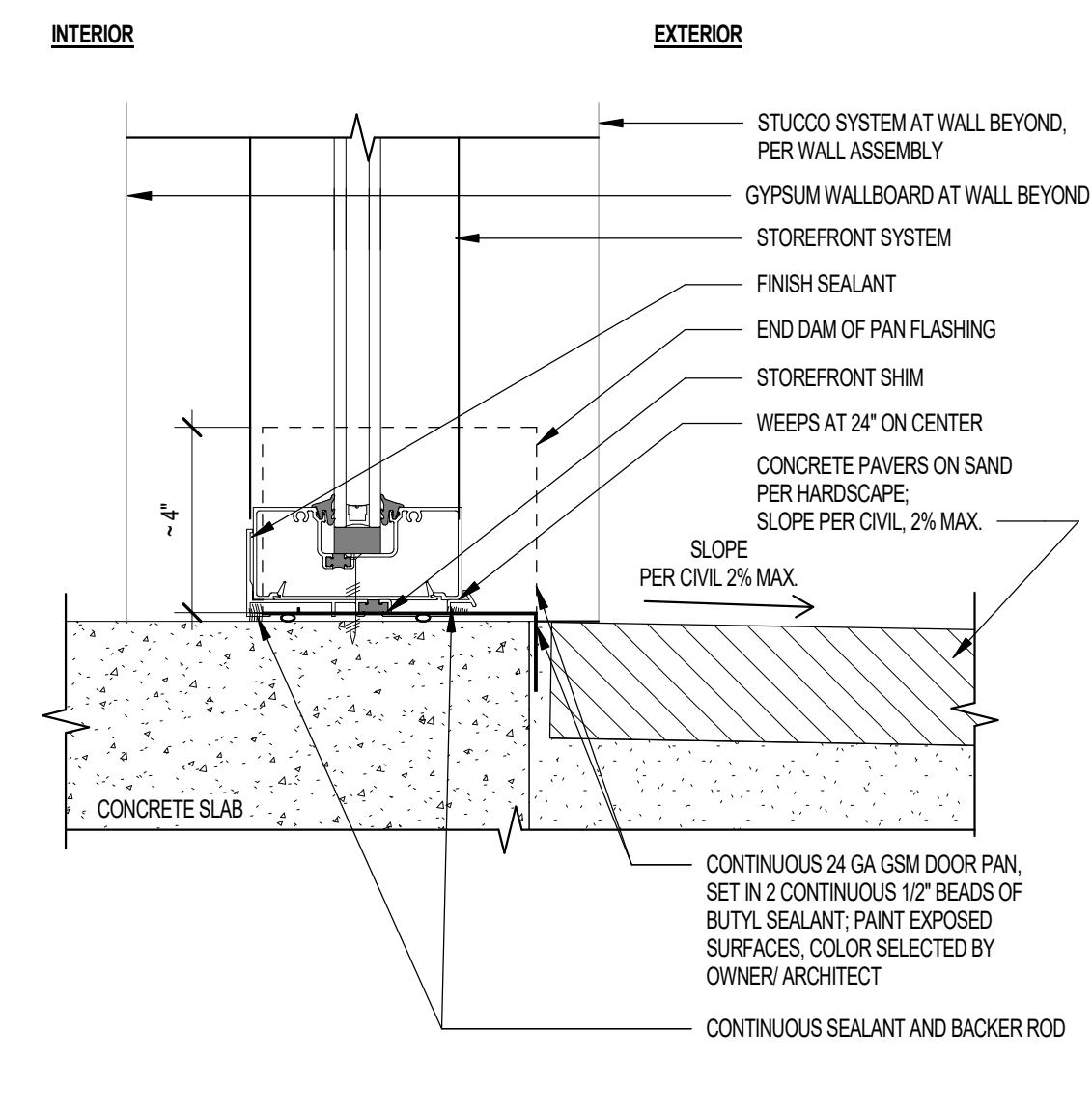
05 STOREFRONT JAMB-INTERIOR HEAD & SILL. SCALE: 3" = 1'-0"



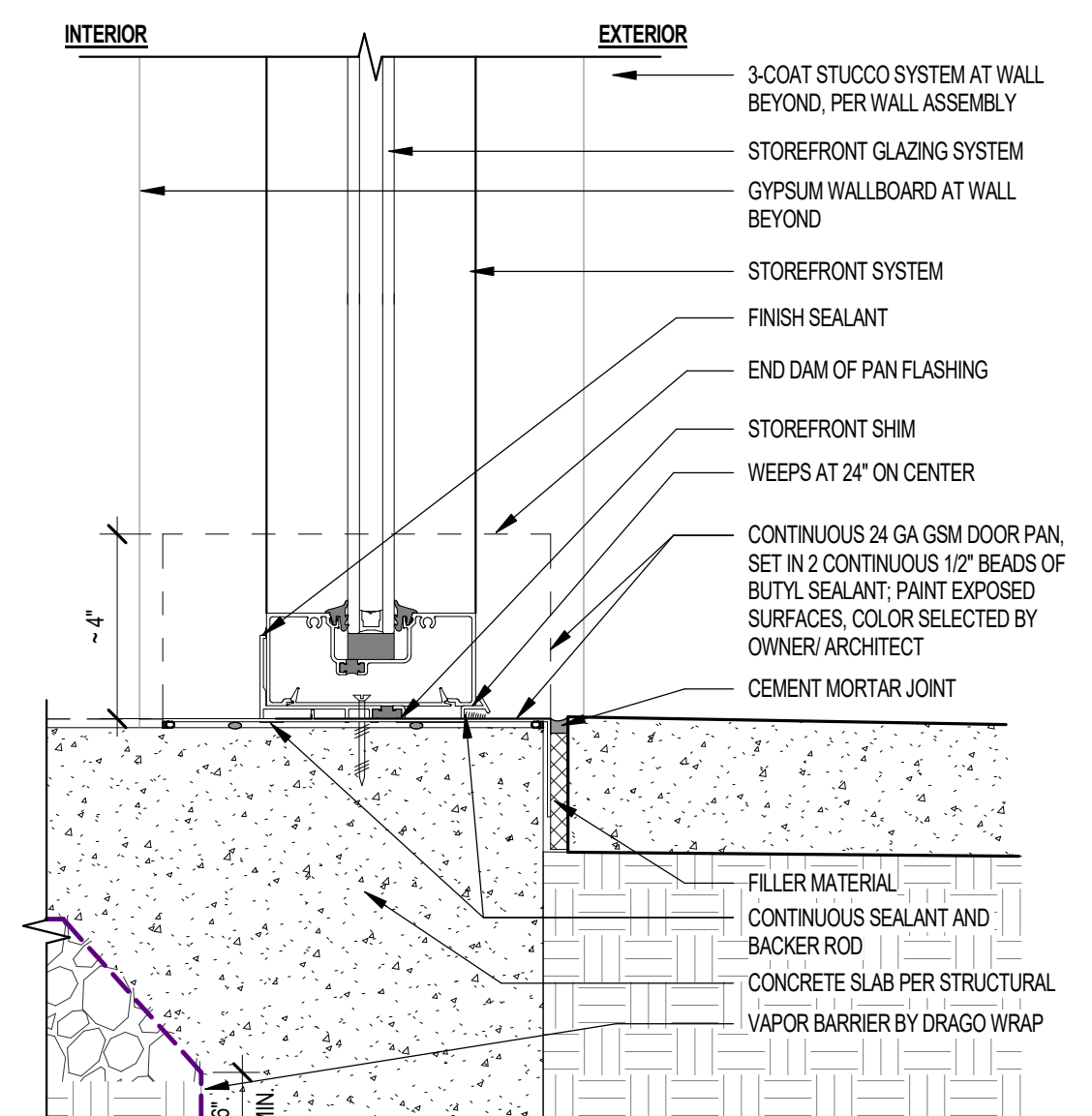
01 STOREFRONT DOOR HEAD SCALE: 3" = 1'-0"



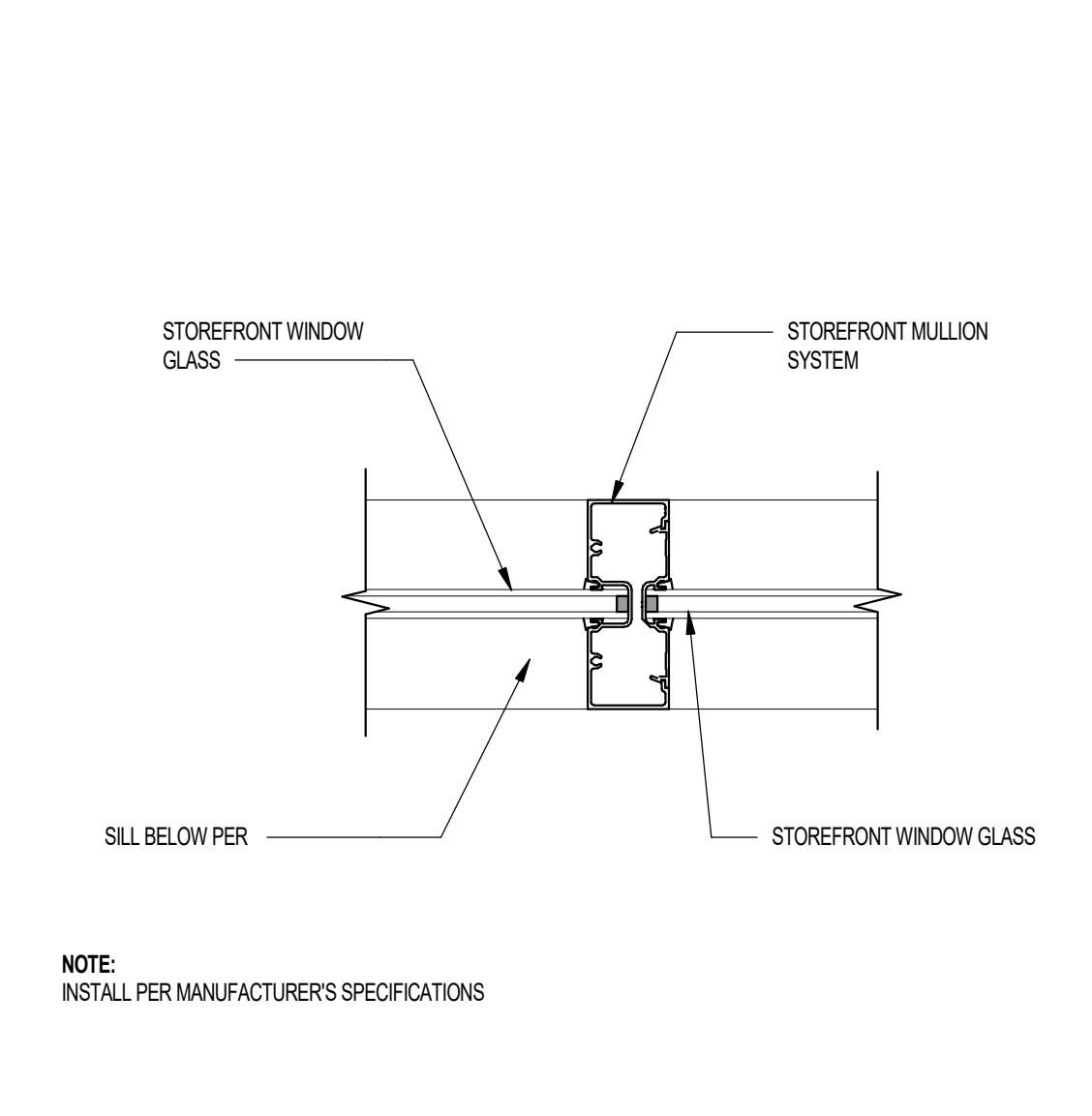
18 STOREFRONT DOOR SILL AT SLAB EDGE & PAVERS SCALE: 3" = 1'-0"



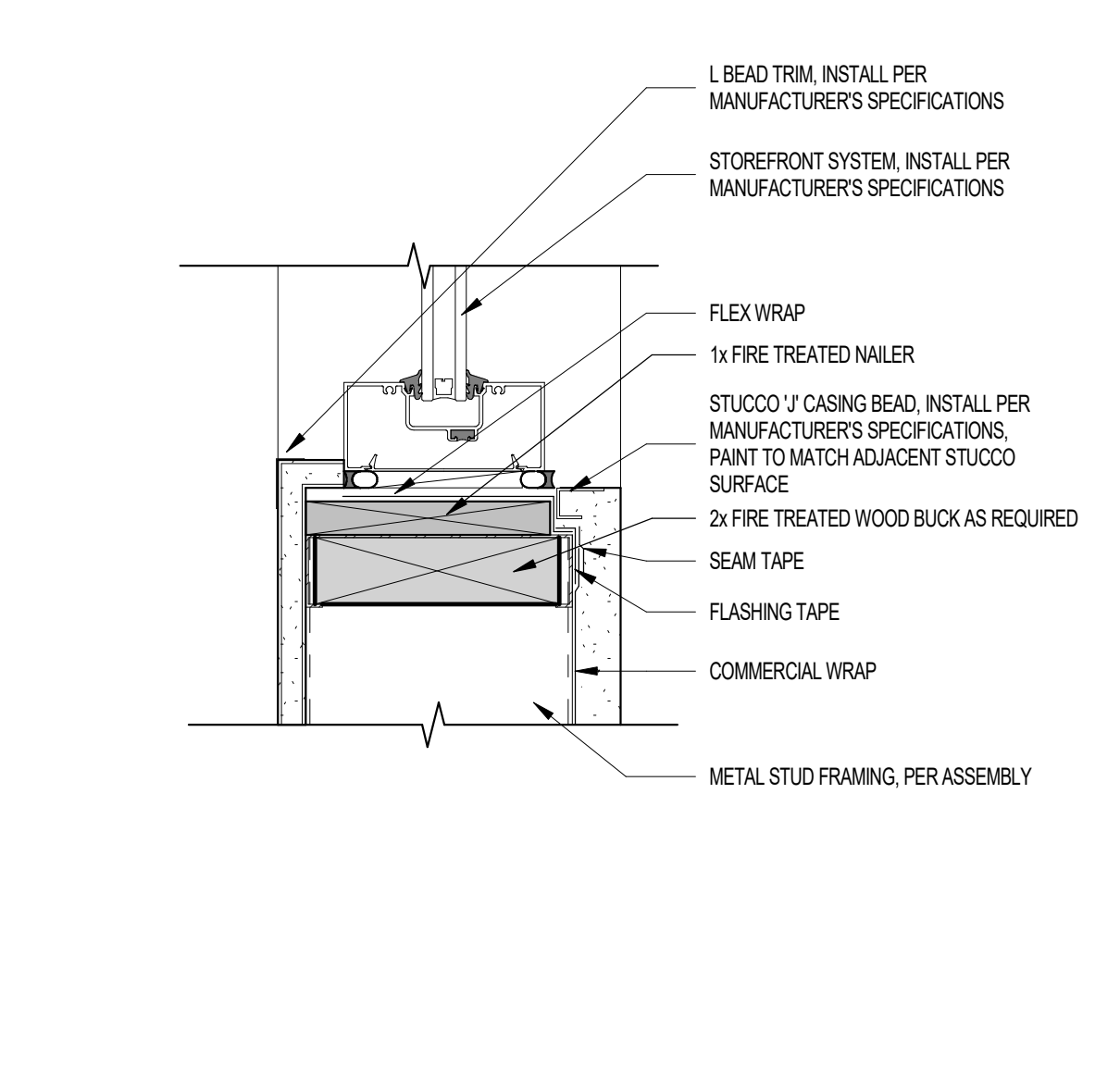
14 STOREFRONT SILL AT SLAB EDGE & PAVERS SCALE: 3" = 1'-0"



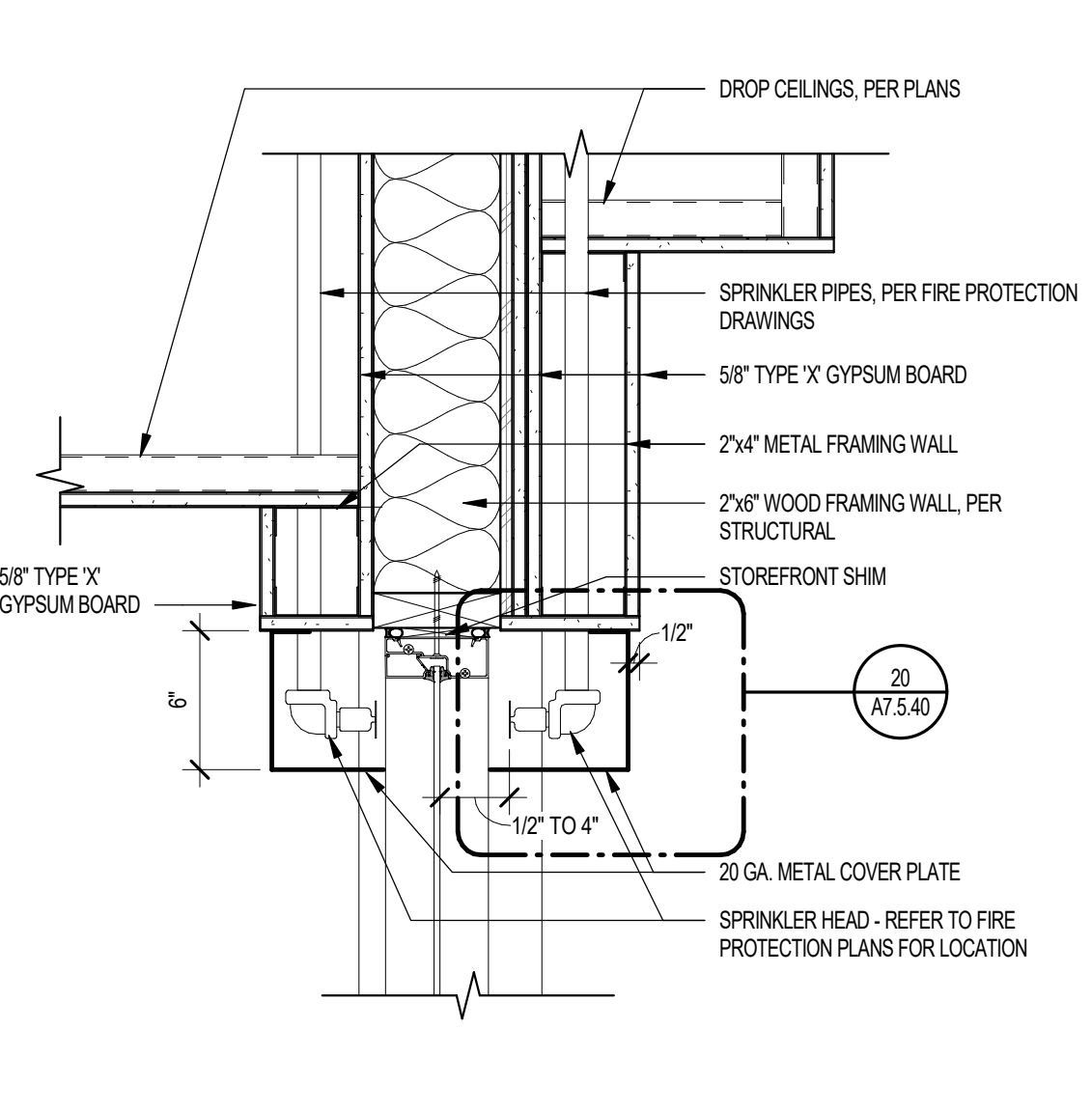
10 STOREFRONT SILL AT SLAB EDGE & SIDEWALK SCALE: 3" = 1'-0"



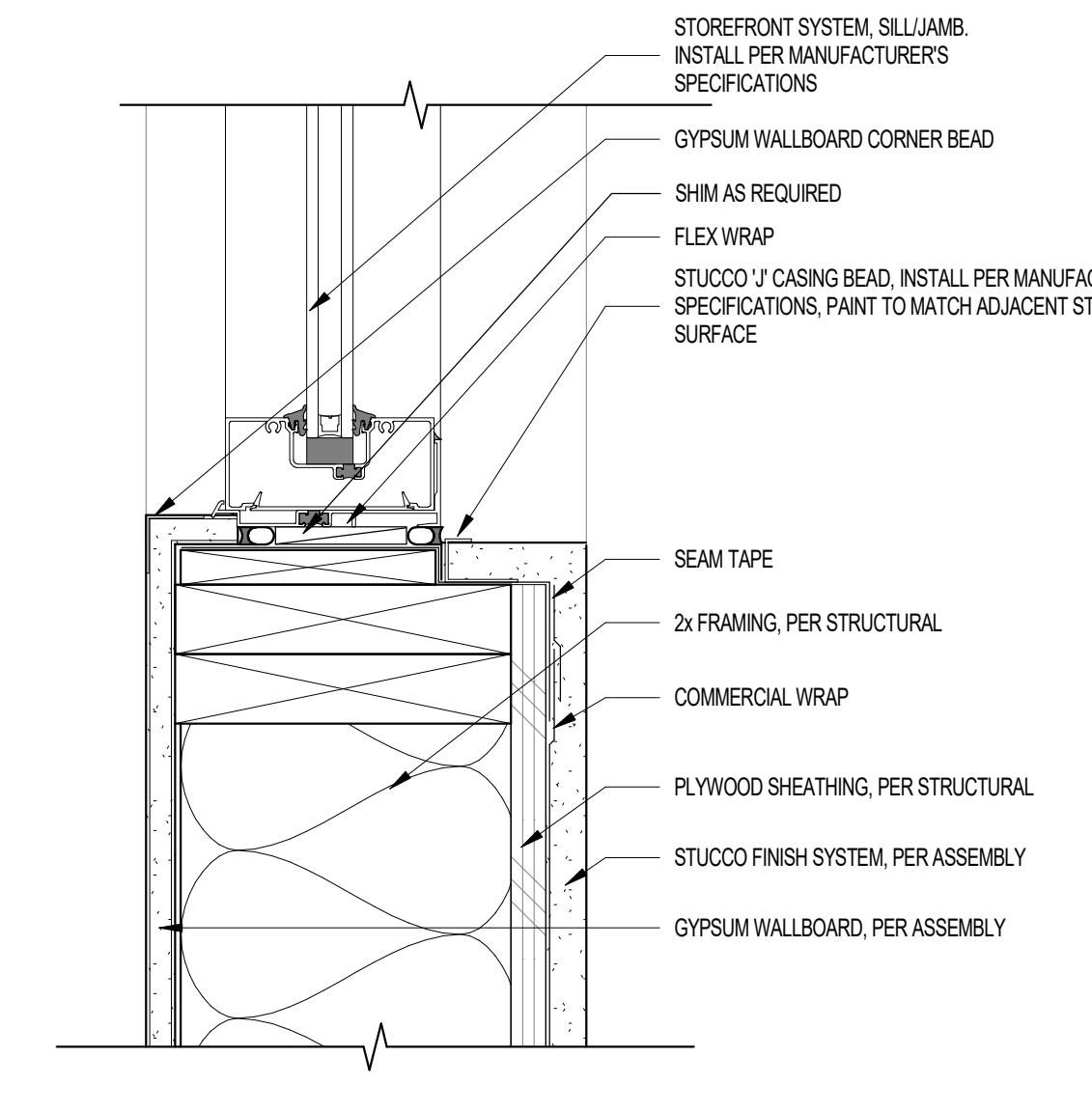
06 INTERMEDIATE MULLION SCALE: 3" = 1'-0"



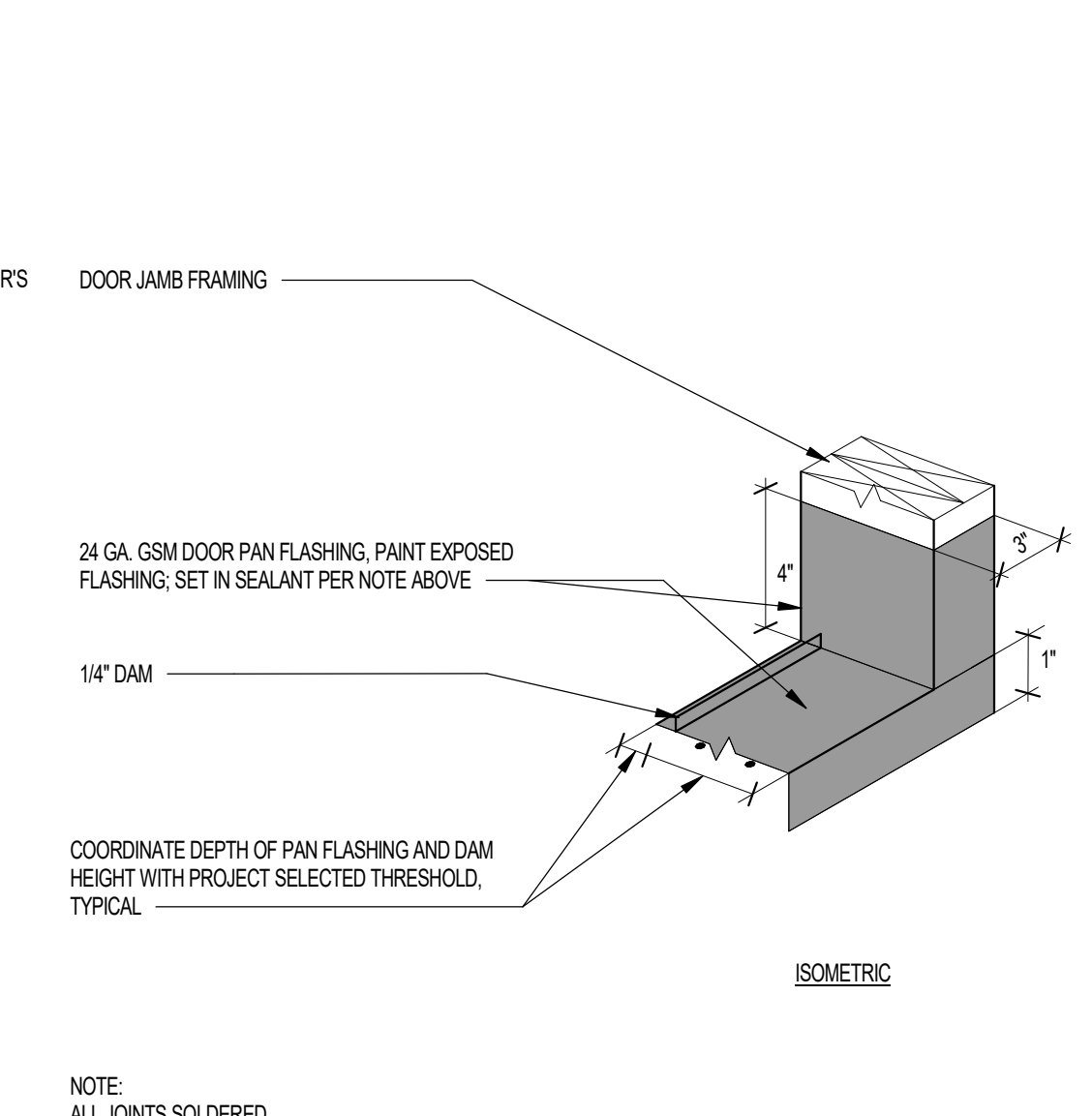
02 STOREFRONT SILL - METAL FRAMING - STUCCO SCALE: 3" = 1'-0"



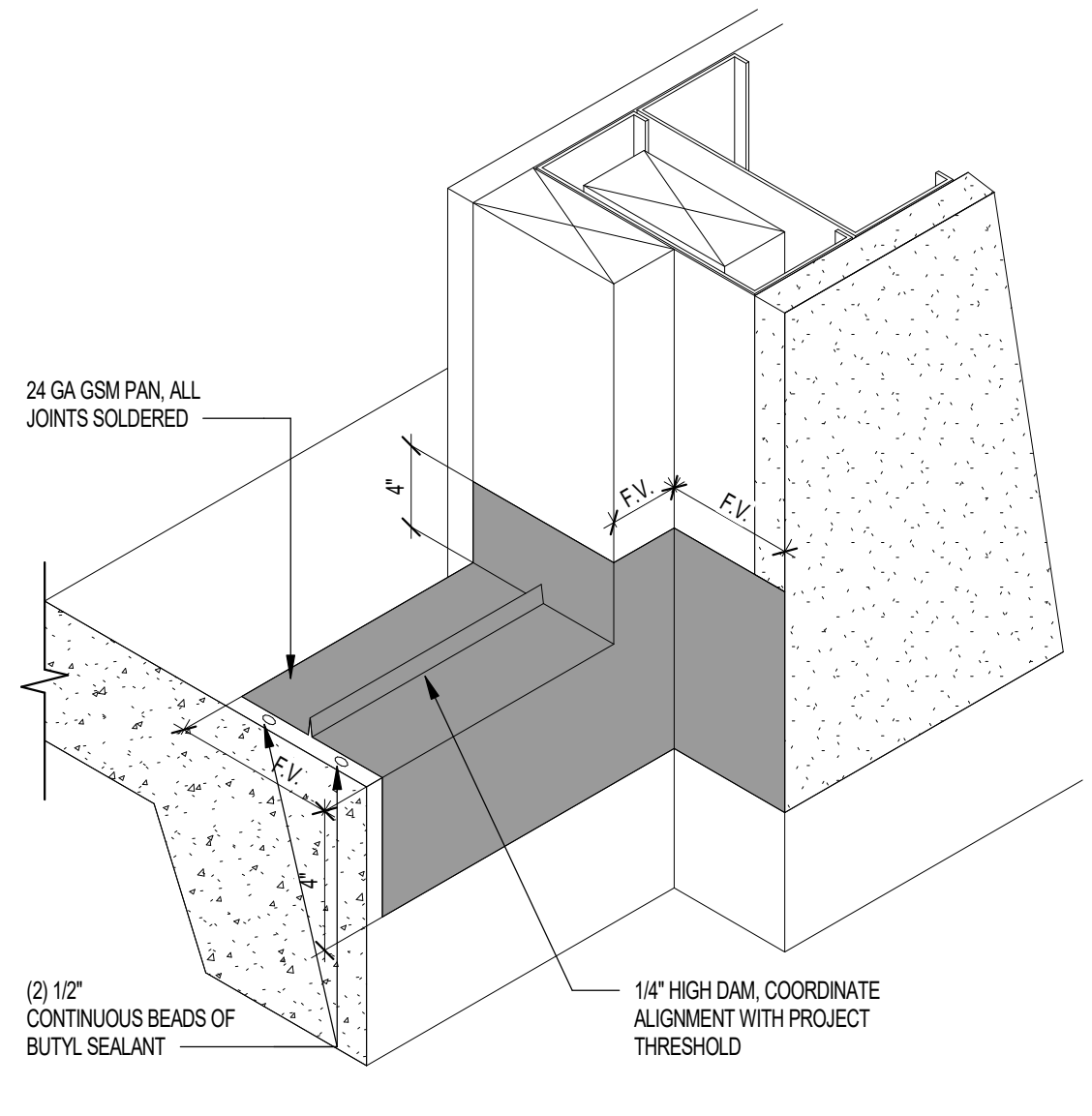
19 STOREFRONT HEAD - SPRINKLERS AT INTERIOR FRAMING SCALE: 1 1/2" = 1'-0"



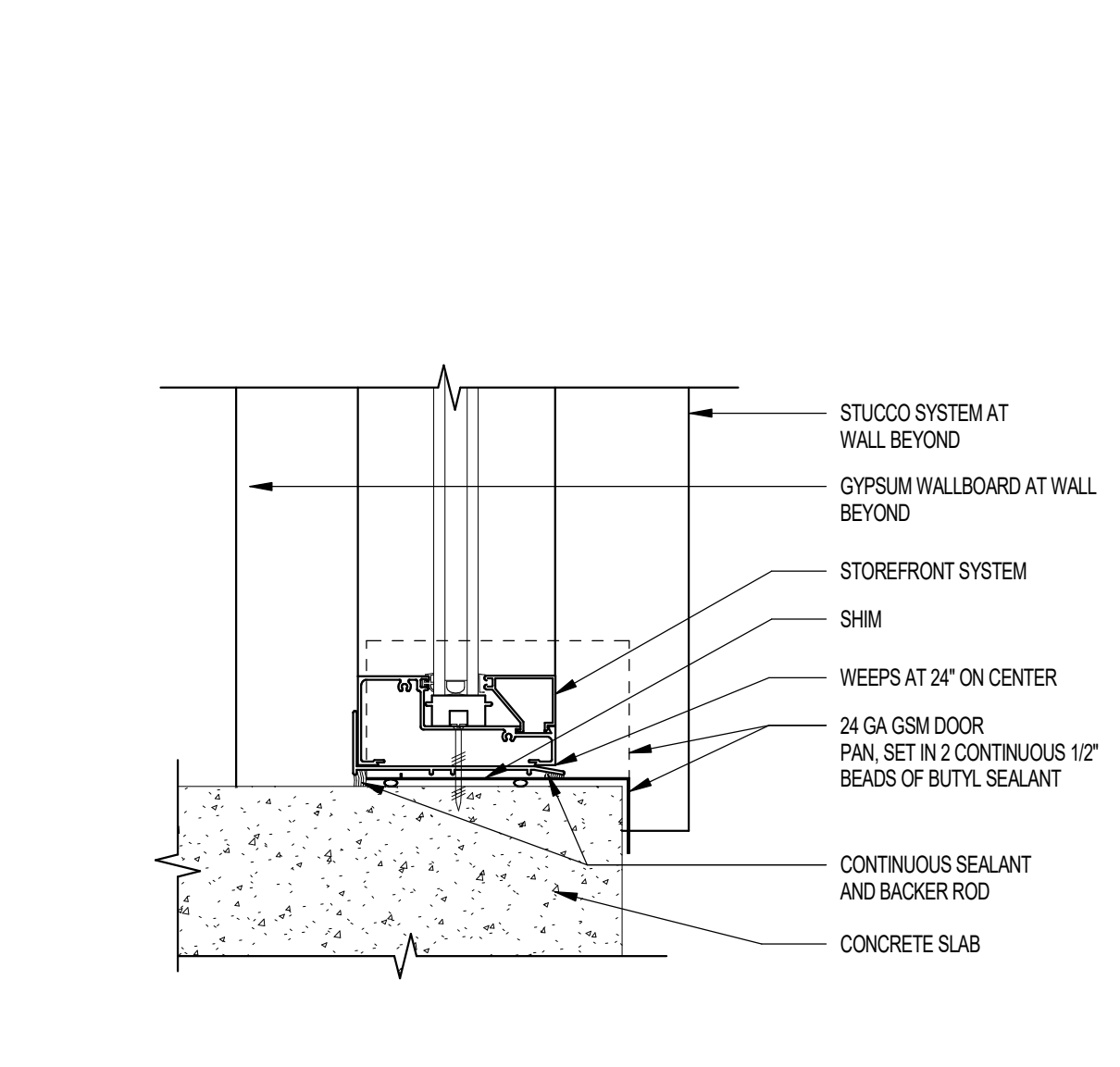
15 STOREFRONT SILL - WOOD FRAMING - STUCCO SYSTEM SCALE: 3" = 1'-0"



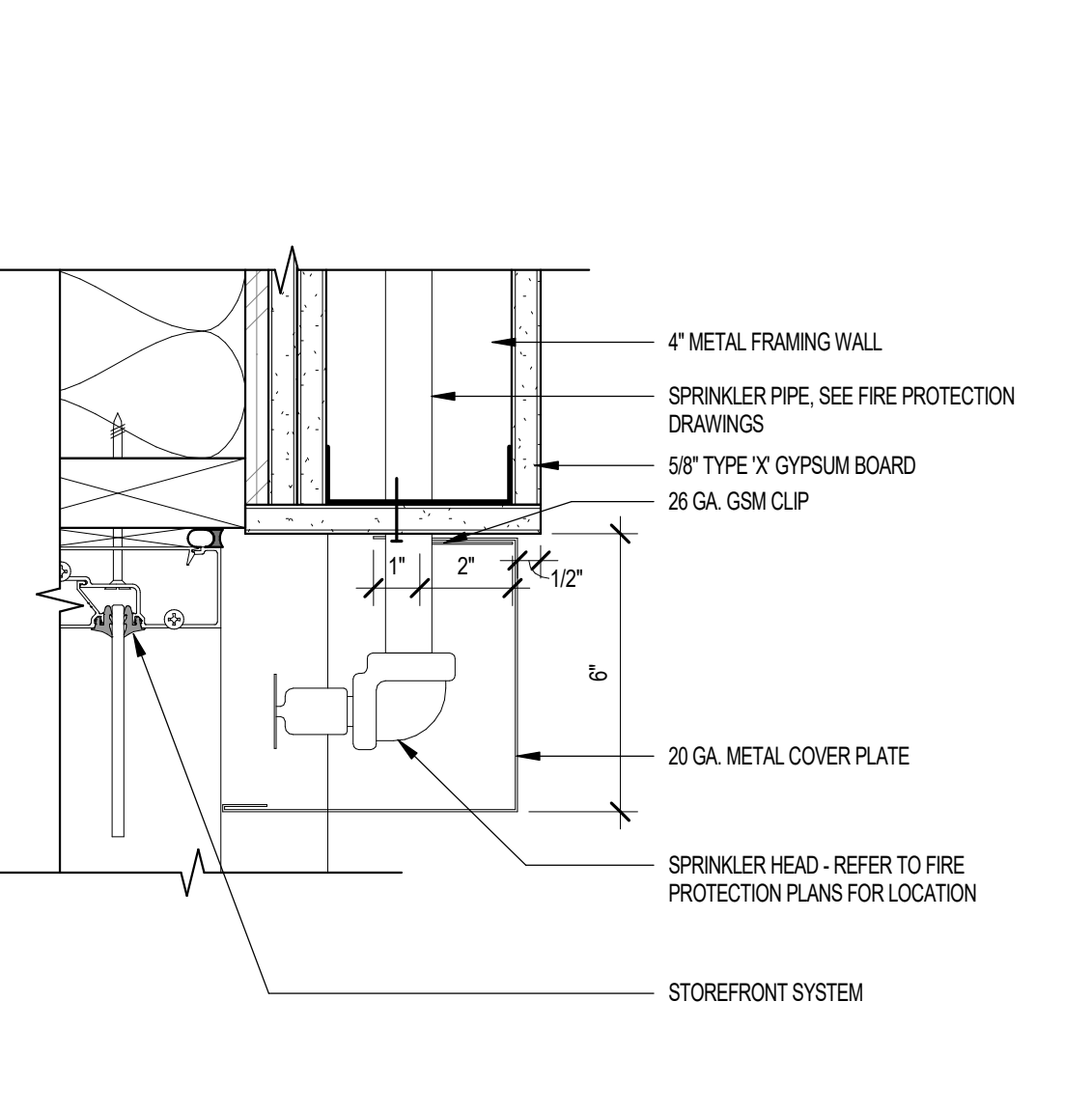
11 DOOR FLASHING PAN SCALE: 3" = 1'-0"



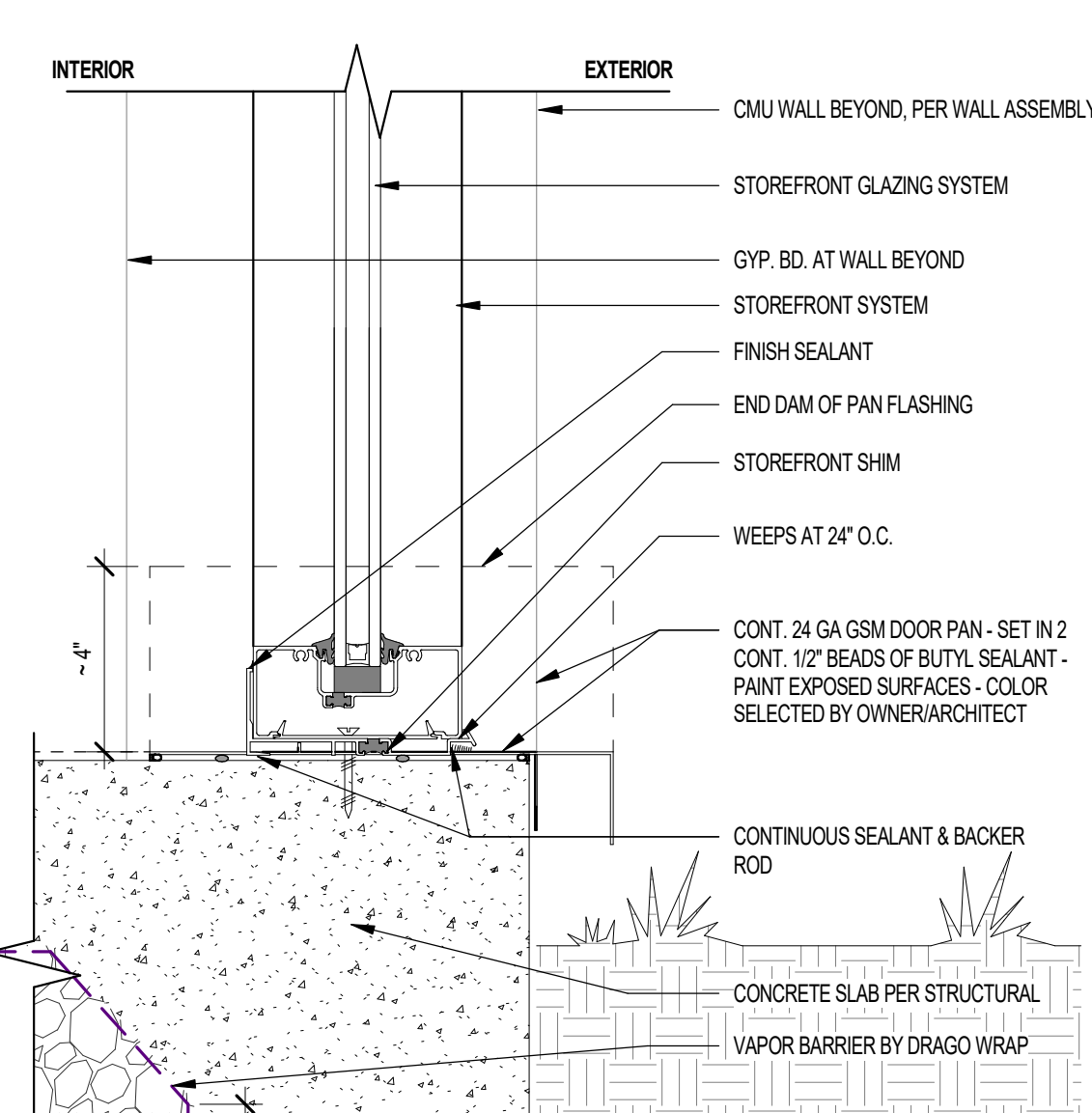
07 STOREFRONT SILL FLUSHED TO THE FACE OF SLAB SCALE: 3" = 1'-0"



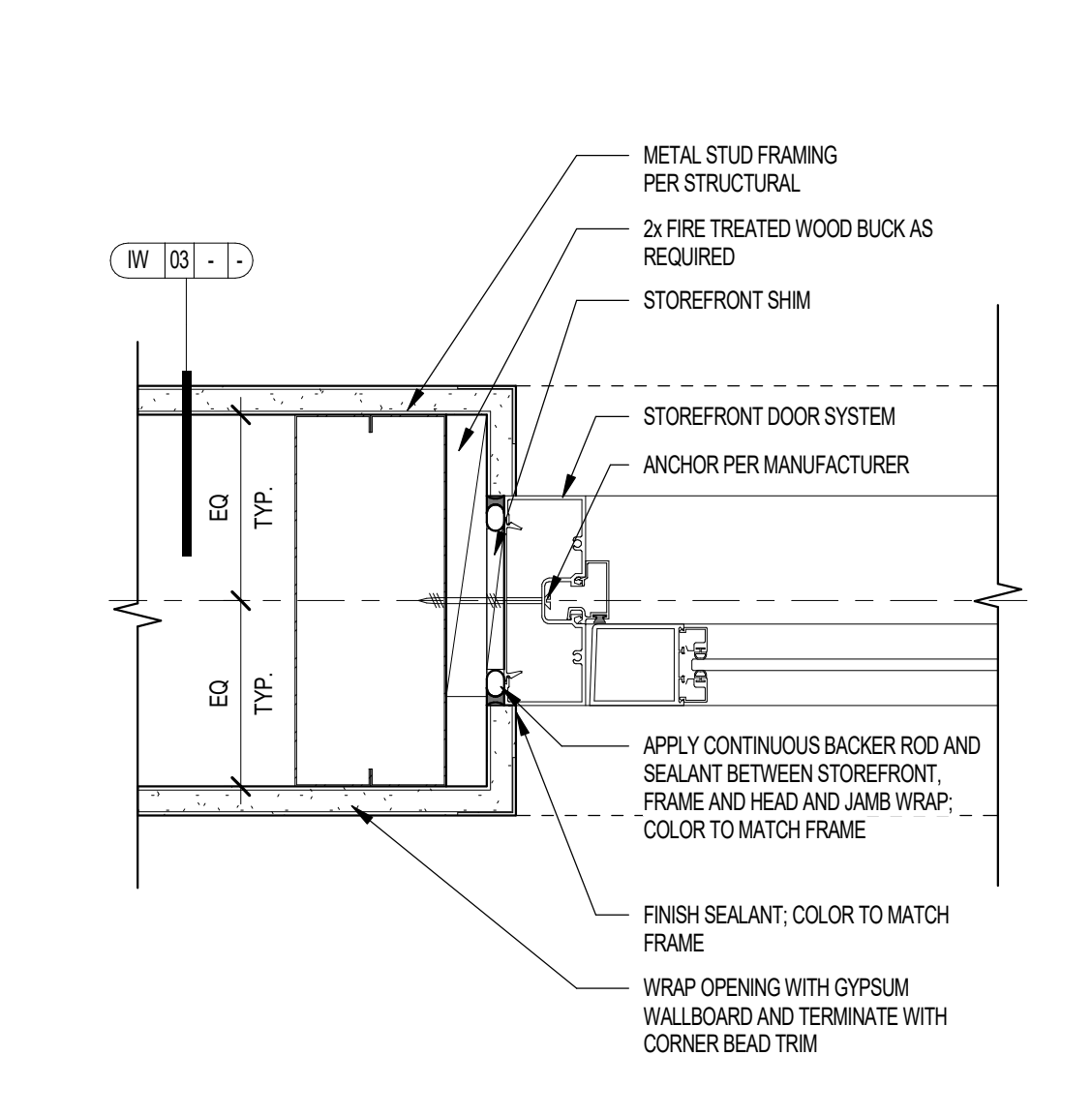
03 STOREFRONT SILL AT SIDELINE SCALE: 3" = 1'-0"



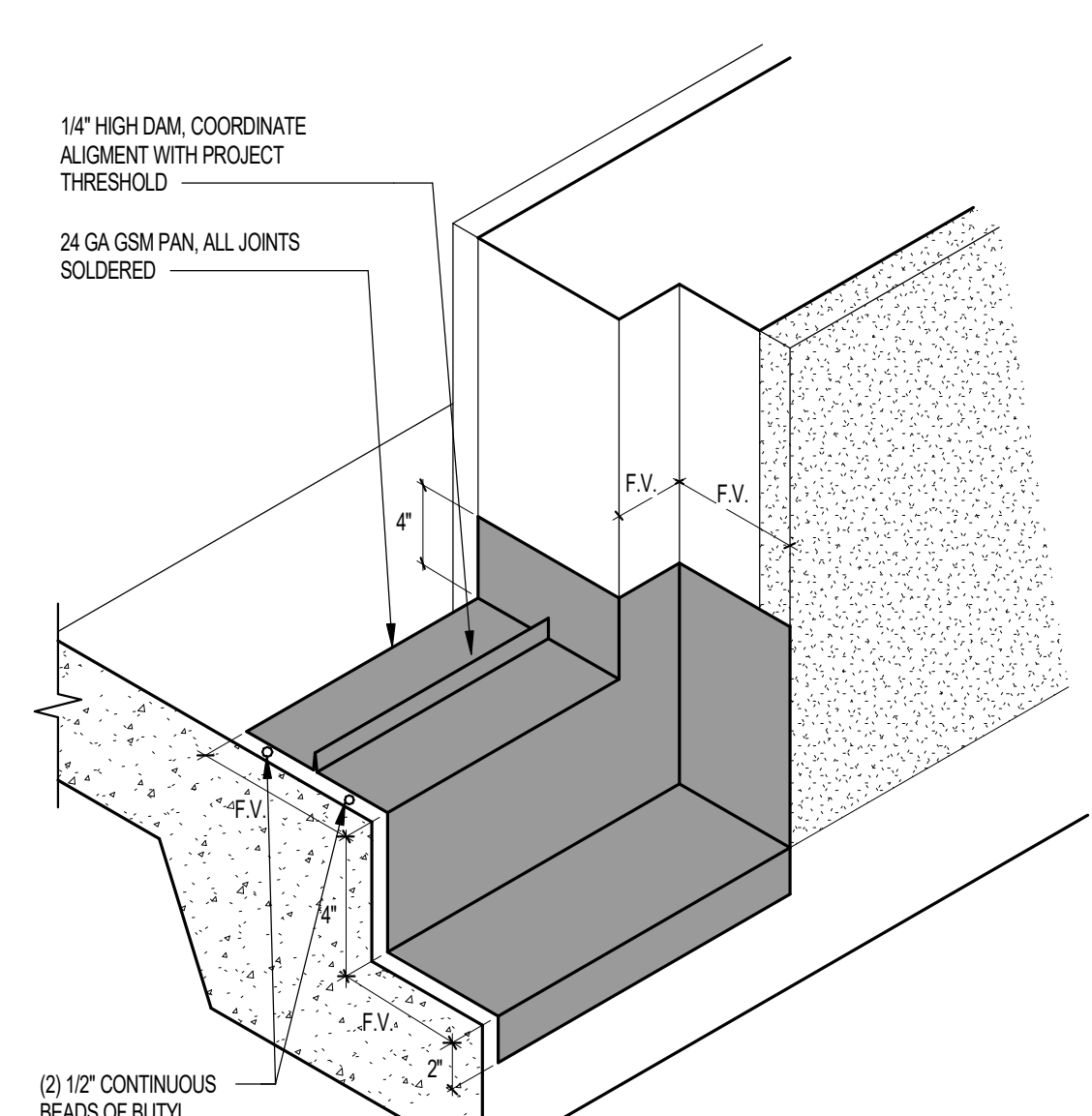
20 STOREFRONT HEAD - SPRINKLERS AT INTERIOR FRAMING SCALE: 3" = 1'-0"



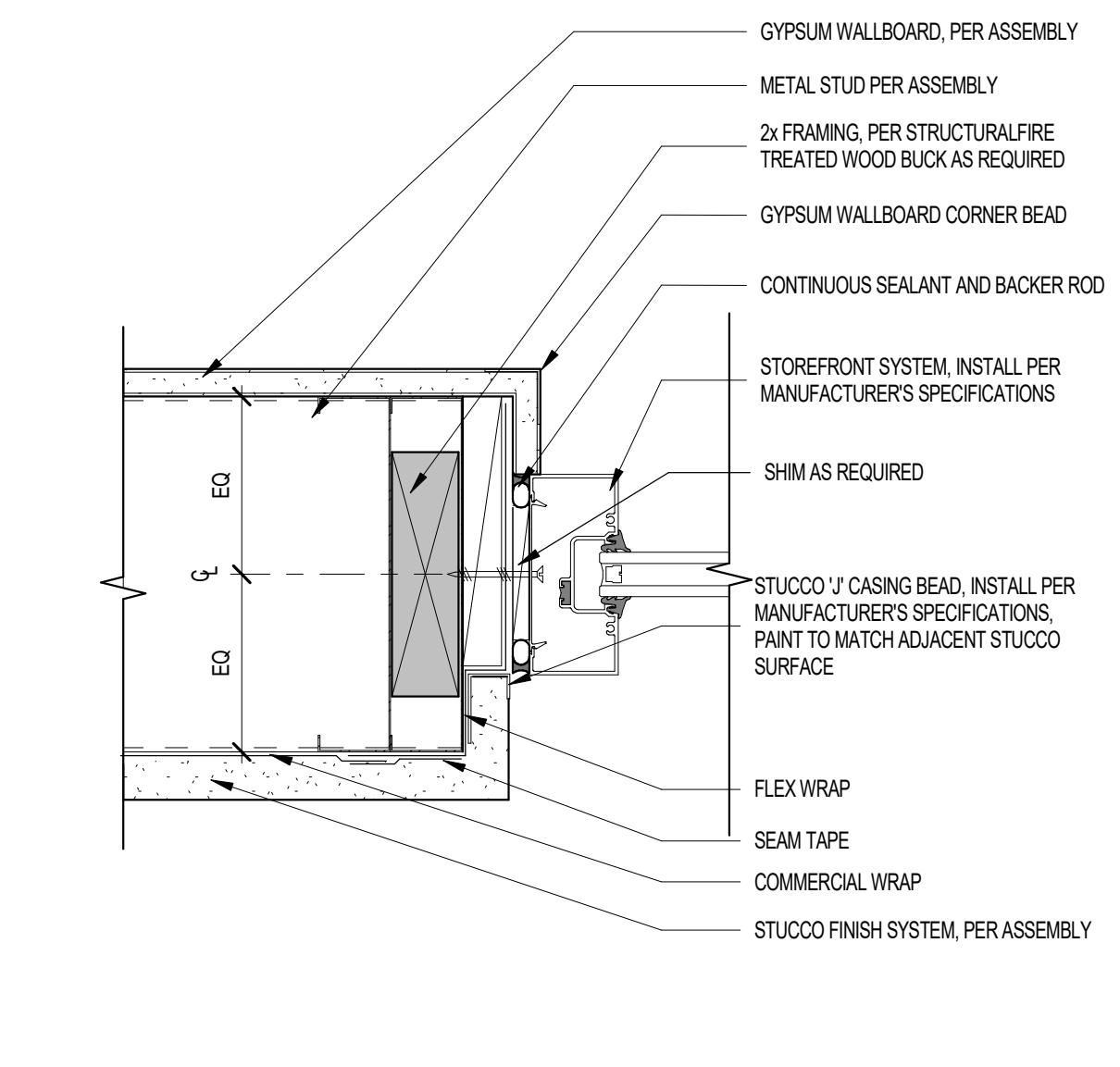
16 STOREFRONT SILL AT SLAB EDGE ON GRADE SCALE: 3" = 1'-0"



12 DOOR FLASHING PAN SCALE: 3" = 1'-0"



08 STOREFRONT SILL RECESSED FROM FACE OF SLAB SCALE: 3" = 1'-0"



04 STOREFRONT JAMB - METAL FRAMING - STUCCO SCALE: 3" = 1'-0"

Project Name 1
Project Name 2
 Street Address
 City, State

Office of Rich Barber
ORB
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 WorldHQ@ORBArch.com

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Notice of alternate billing (or payment) cycle
This contract allows the owner to request the admission of change or addition to billing cycle after the first date. This contract shall be subject to the terms, conditions and specifications set forth in the contract documents. A further decision of work shall be subject to the terms, conditions and specifications of the contract documents.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

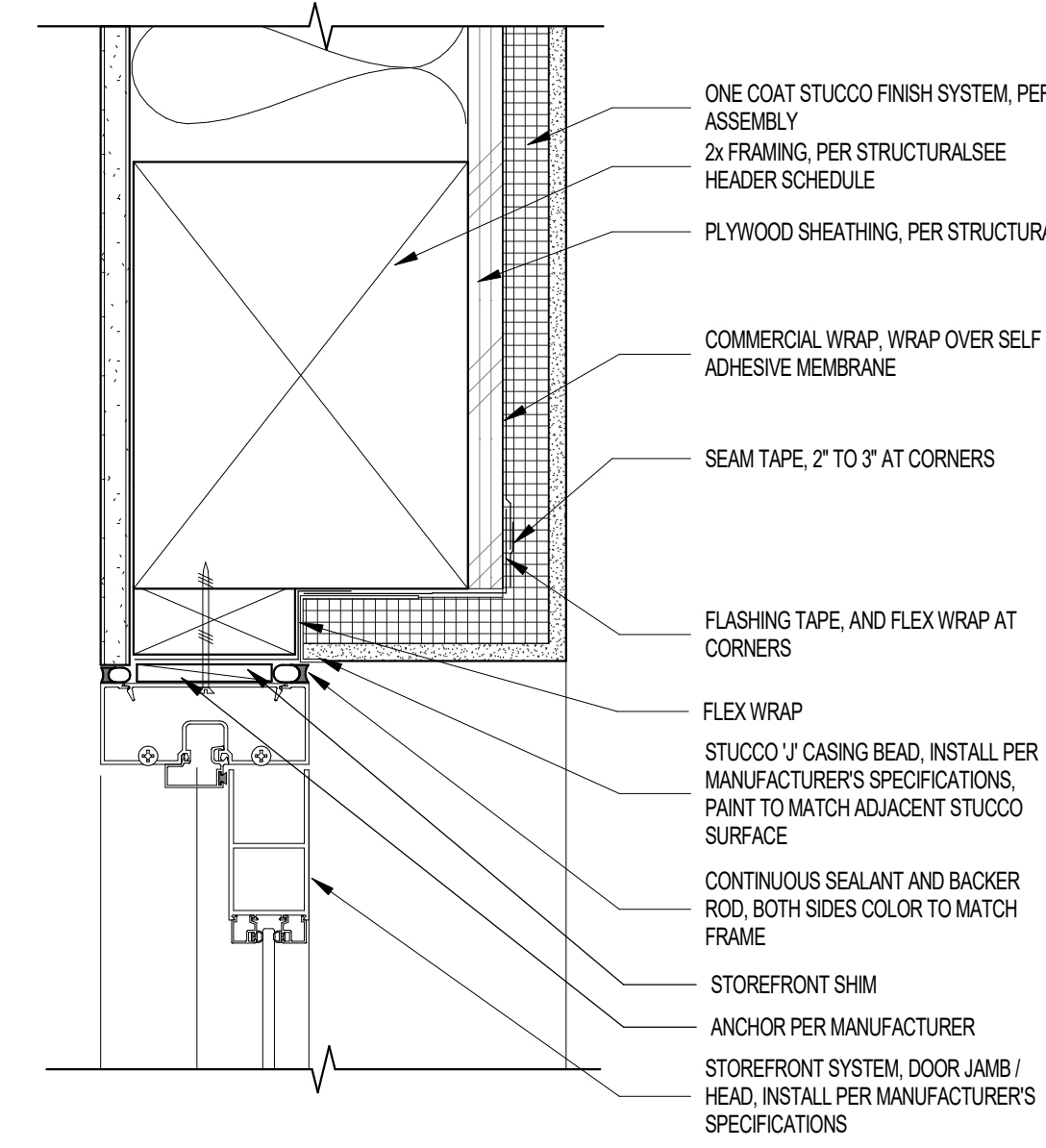
Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is altered. They are made for use on this project and specifications shall not be used on any other projects. In addition to the project it is for completion of the project by the designating the project or available from the owner or the owner's designating agent.

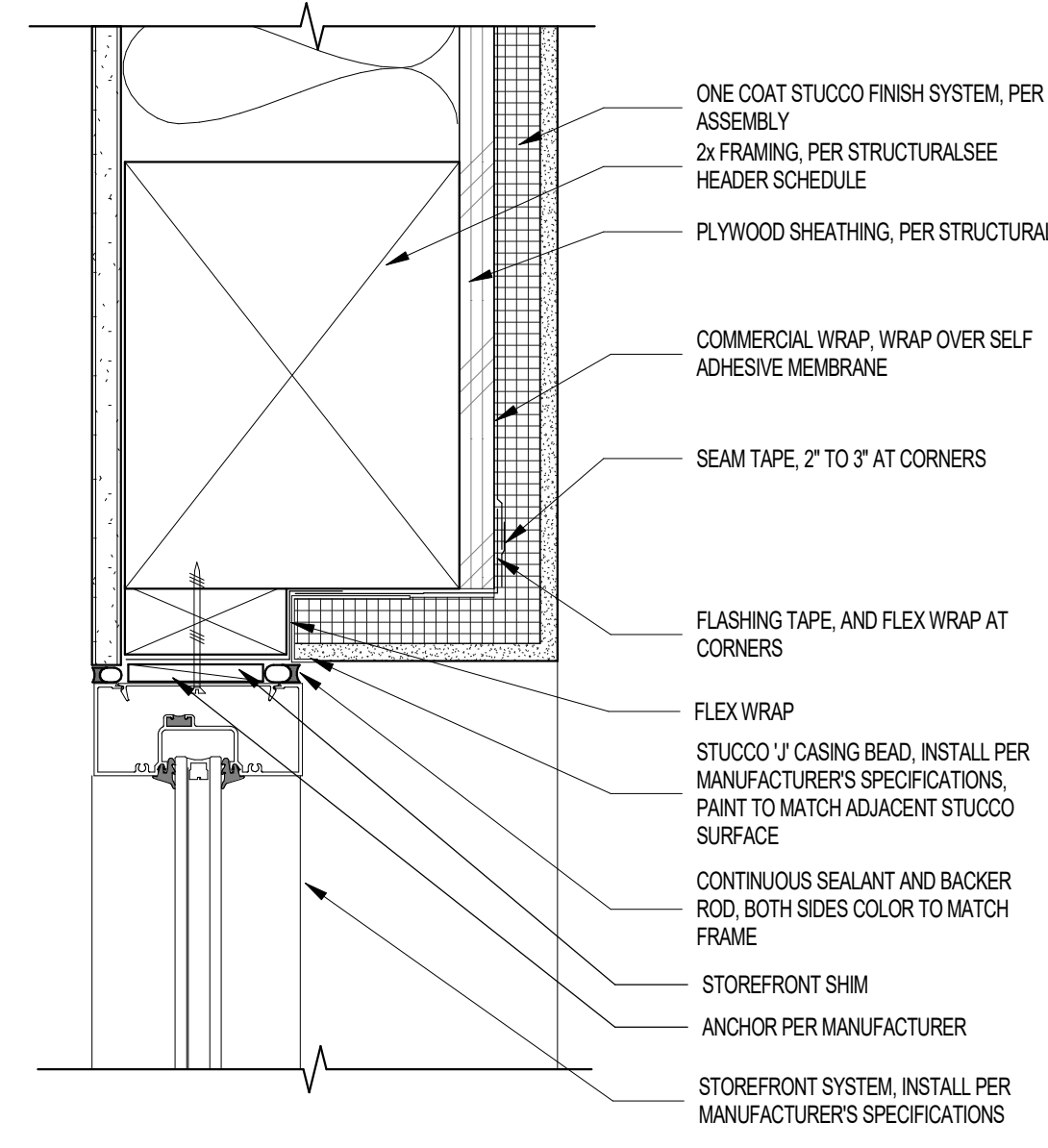
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

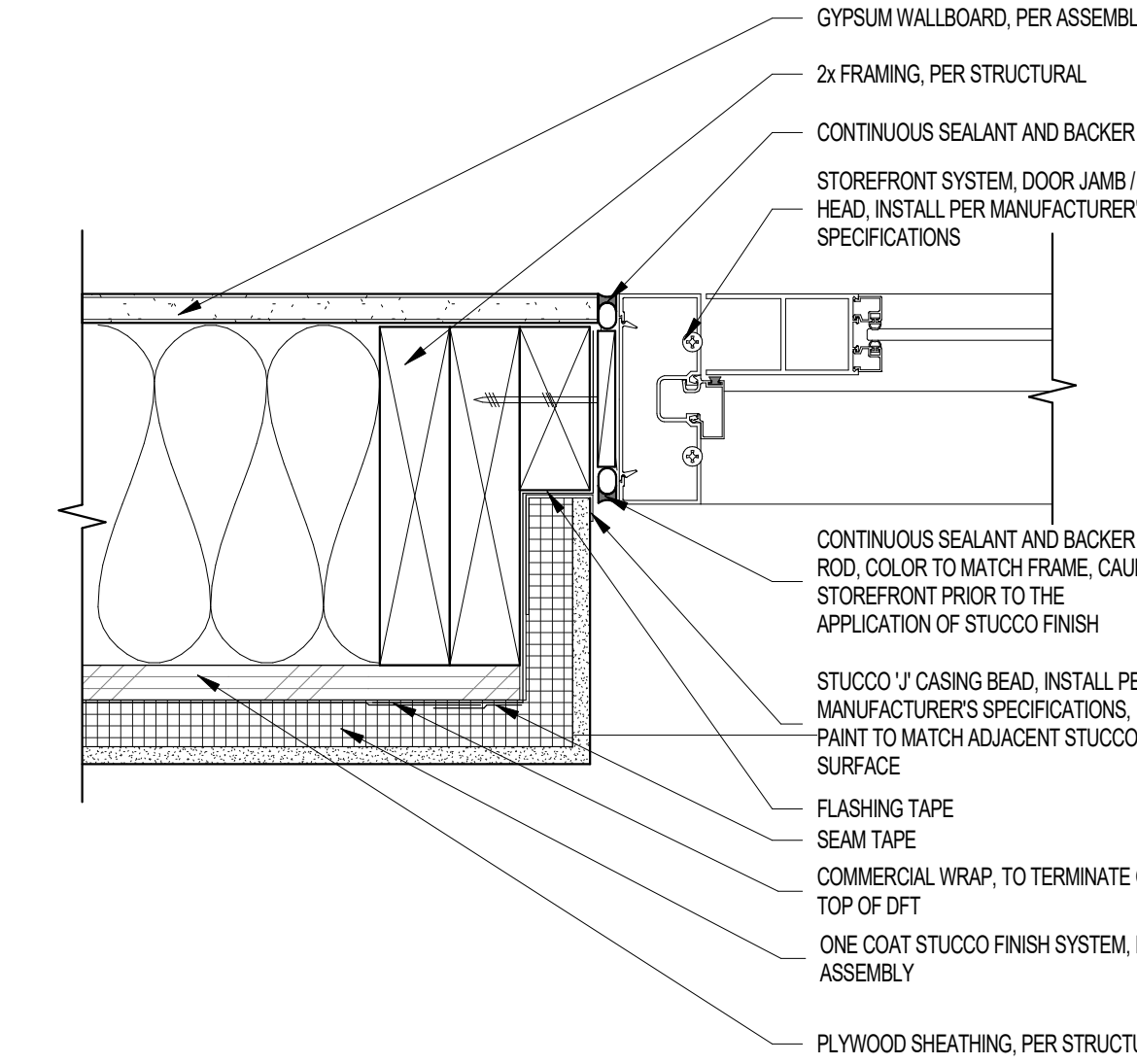
A7.5.40
STOREFRONT DETAILS



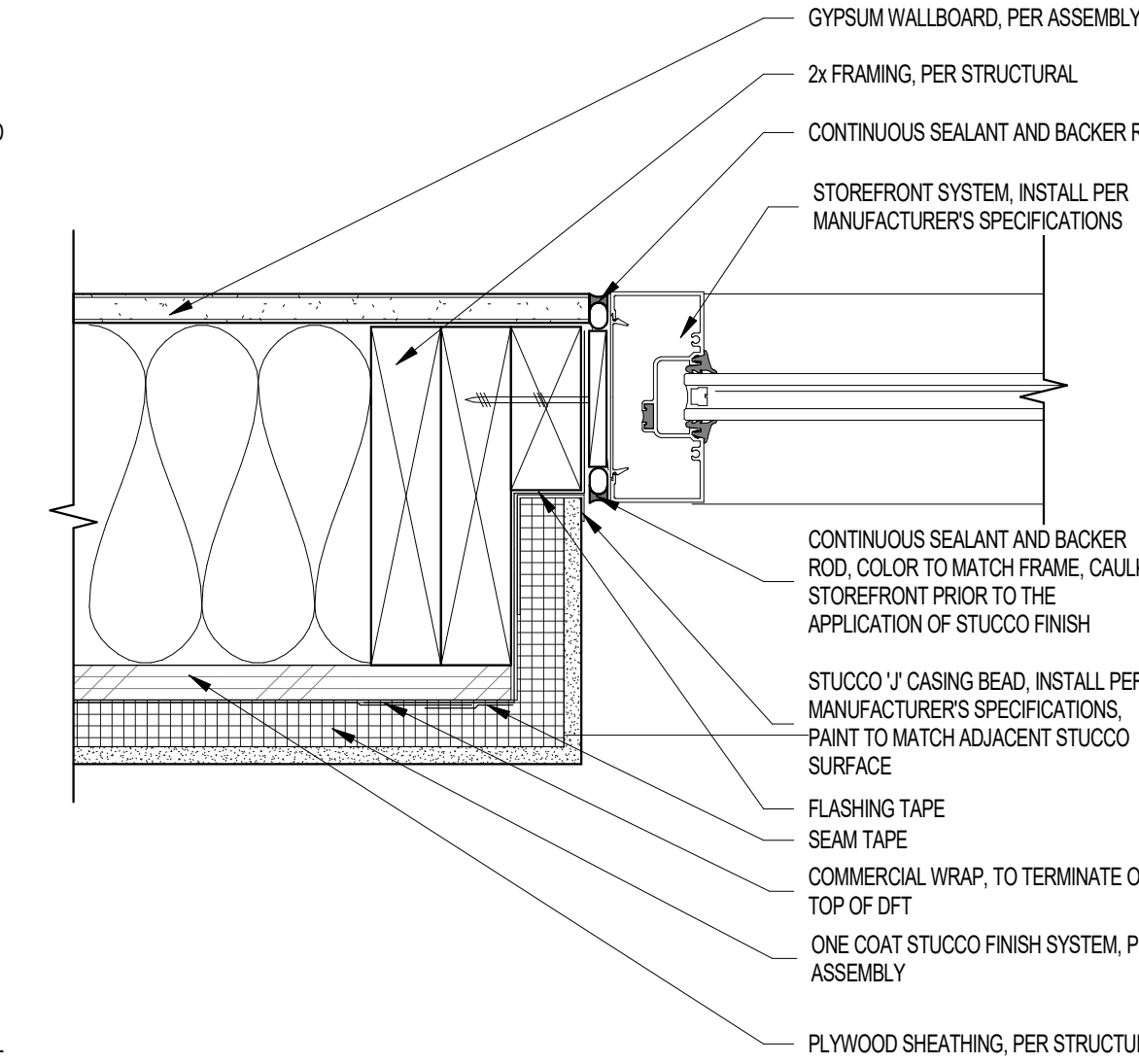
28 STOREFRONT DOOR HEAD - STUCCO FINISH
SCALE: 3" = 1'-0"



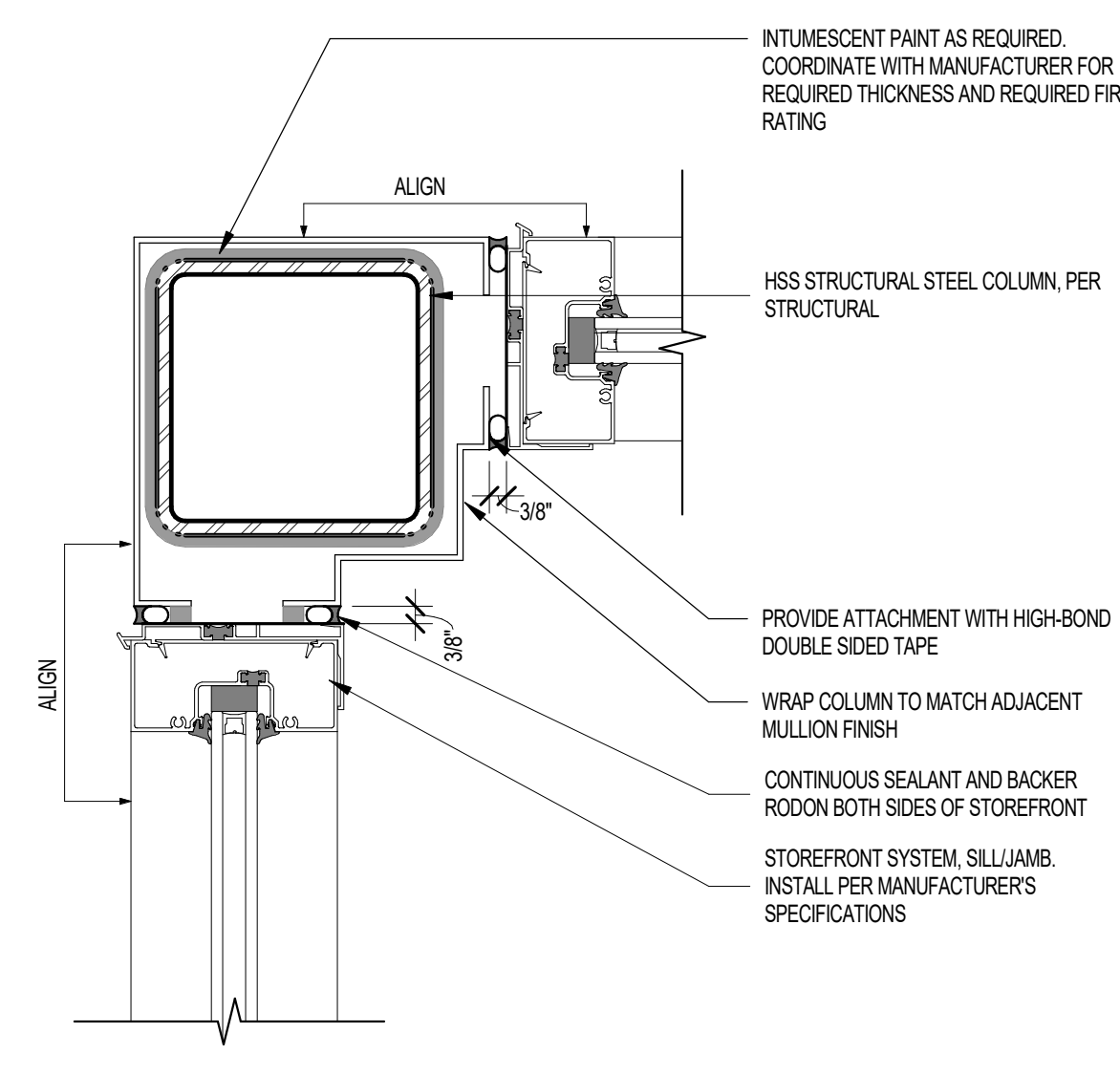
25 STOREFRONT HEAD - STUCCO FINISH
SCALE: 3" = 1'-0"



29 STOREFRONT DOOR JAMB - STUCCO FINISH
SCALE: 3" = 1'-0"



26 STOREFRONT JAMB - STUCCO FINISH
SCALE: 3" = 1'-0"



27 STOREFRONT CORNER AT STEEL COLUMN
SCALE: 3" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

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Notice of alternate billing (or payment) cycle
This contract allows the client the right to request the admission of billing or alternate in billing cycle after the first date. This contract shall be subject to the client's request for an alternate billing schedule after certification and approval of billing and estimates. A written description of such alternate billing cycle applies to the project or schedule from the owner or the owner's design agent at:

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design agent shall provide the written decision on request.

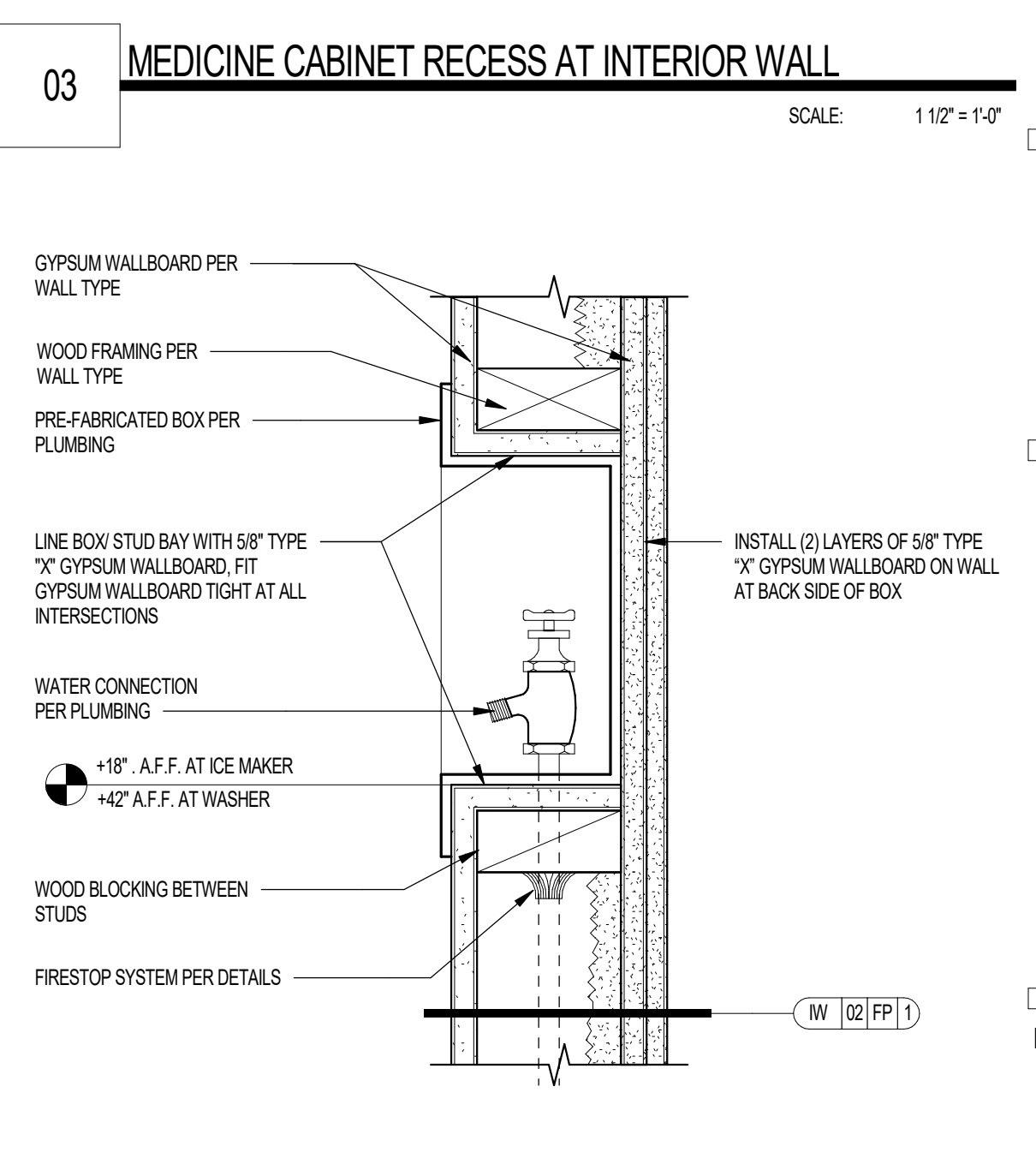
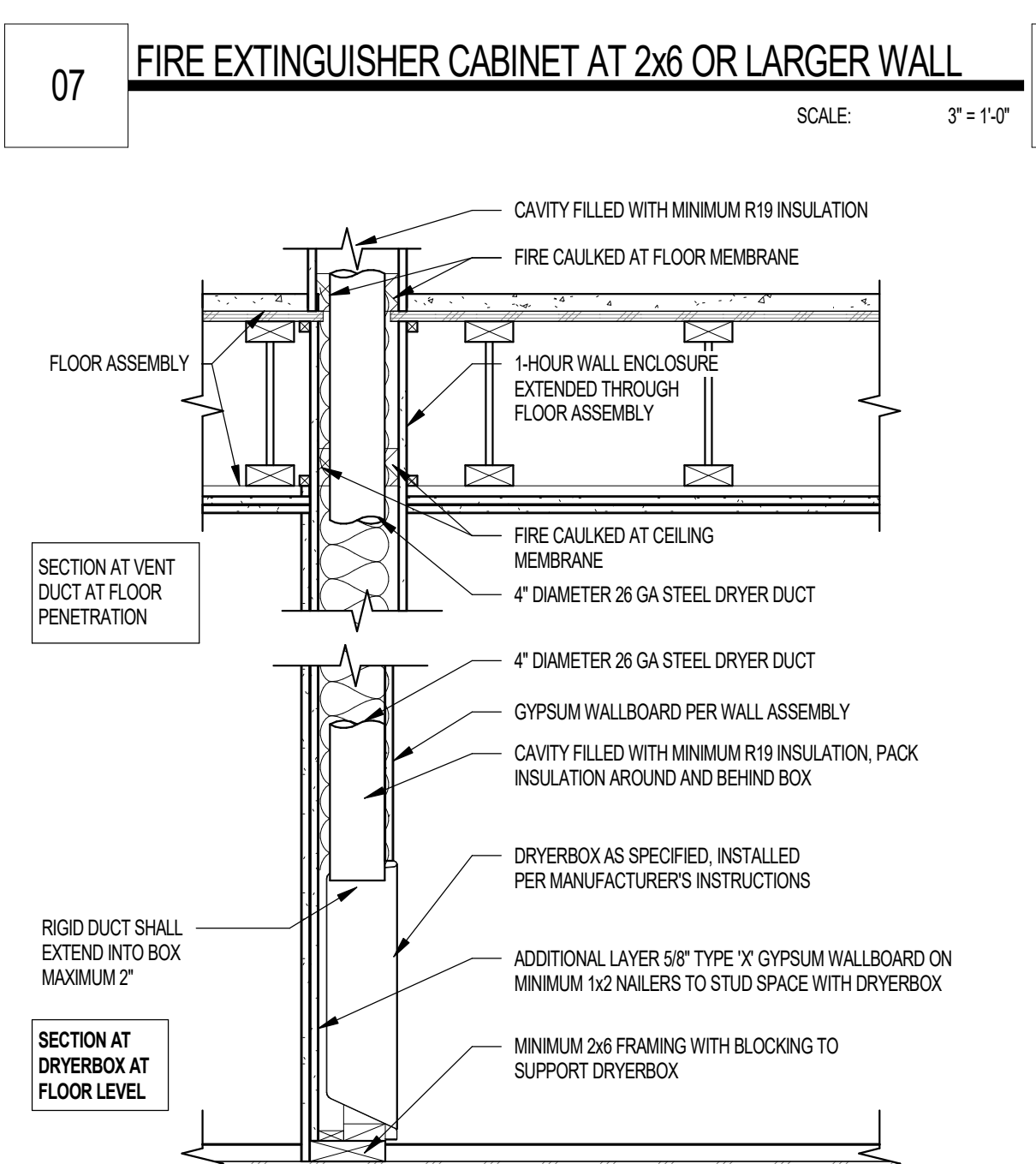
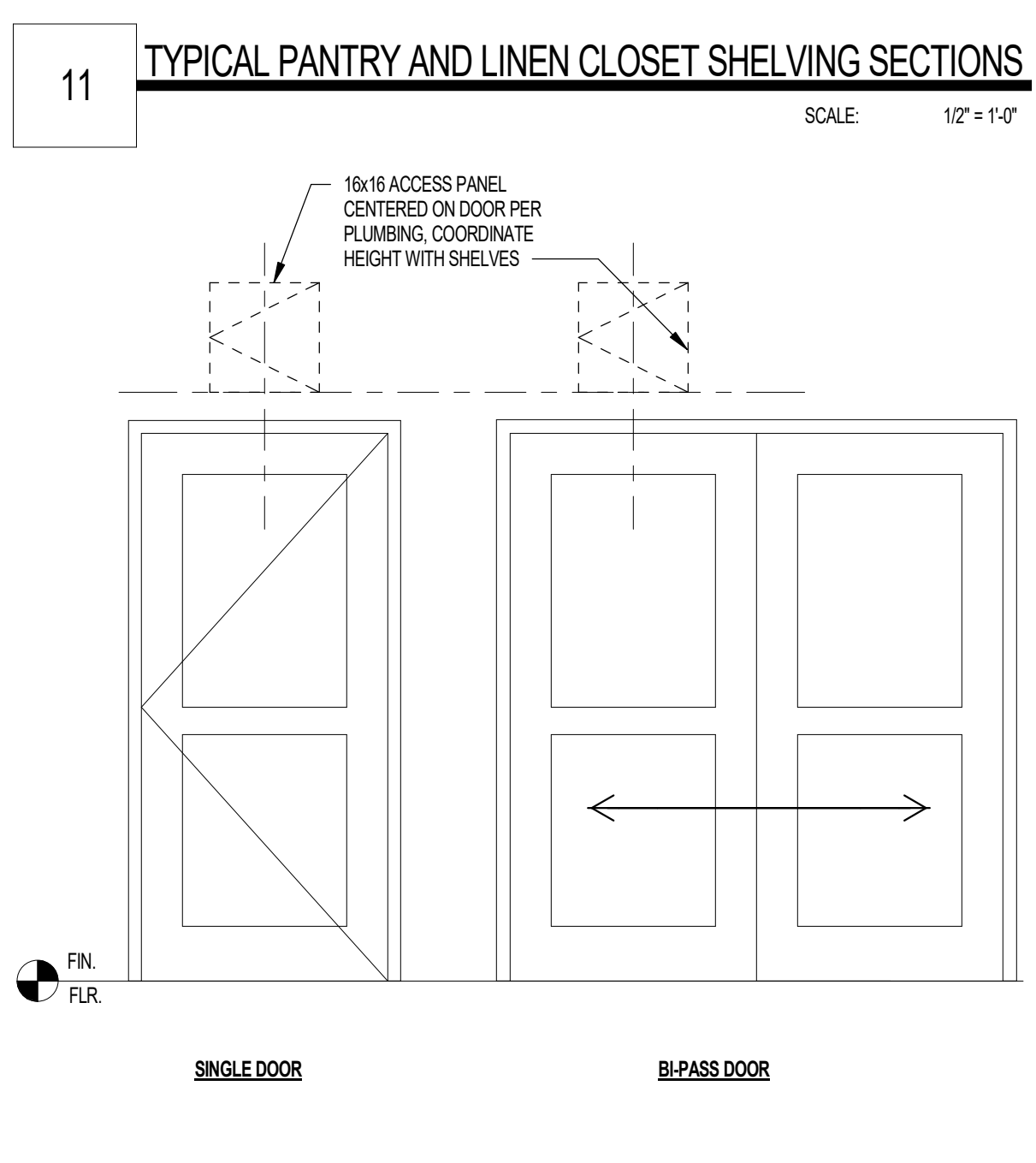
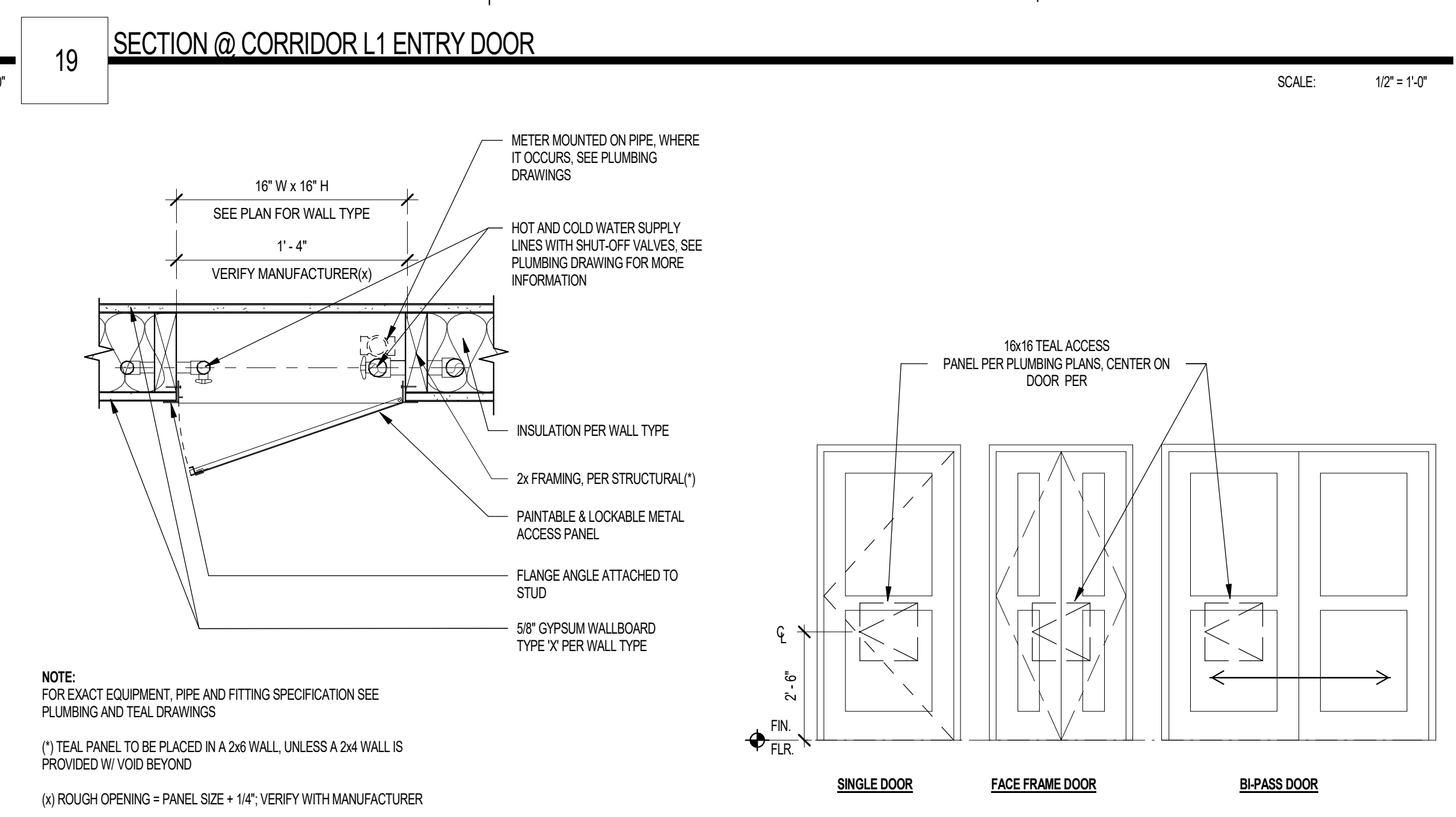
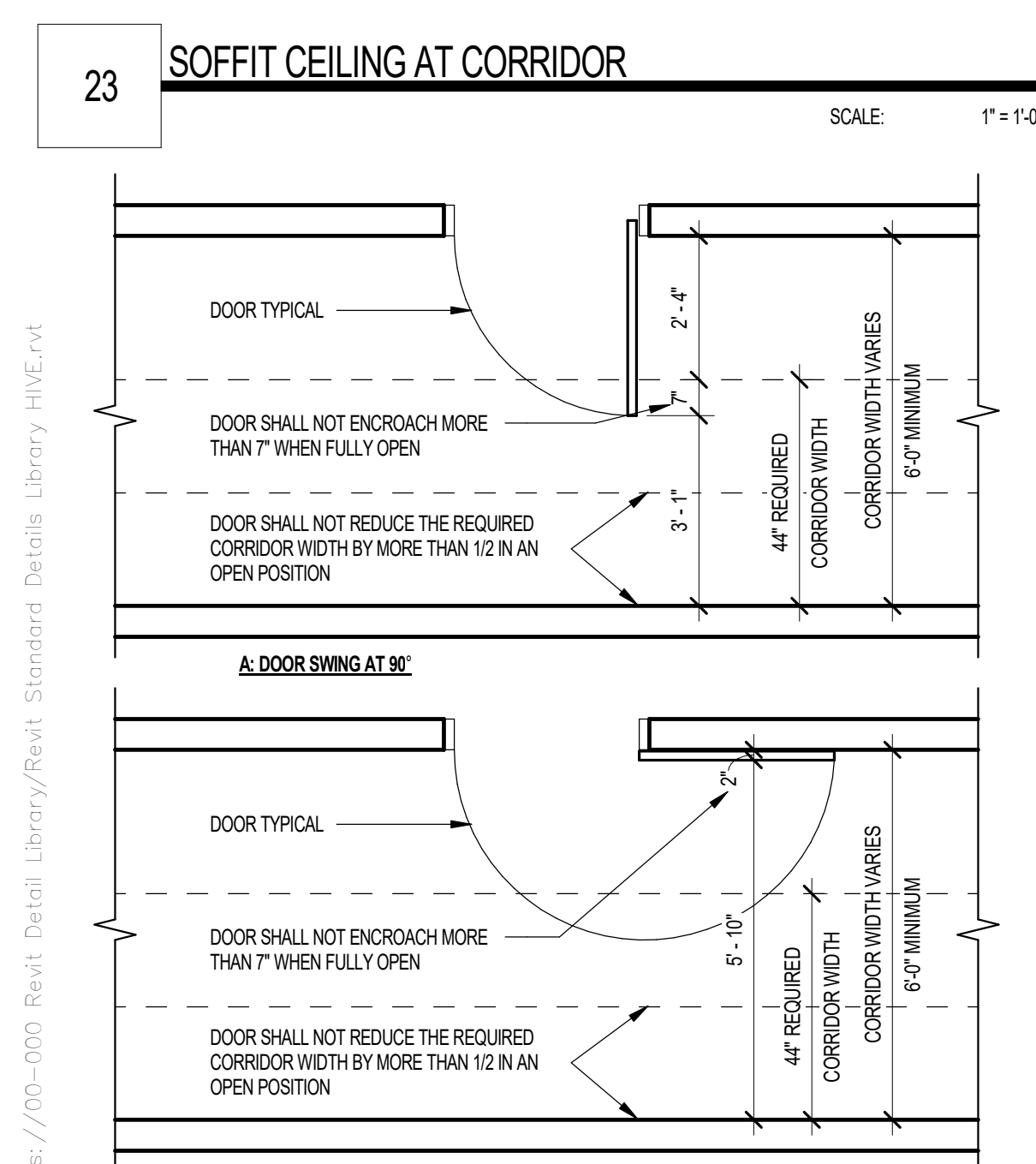
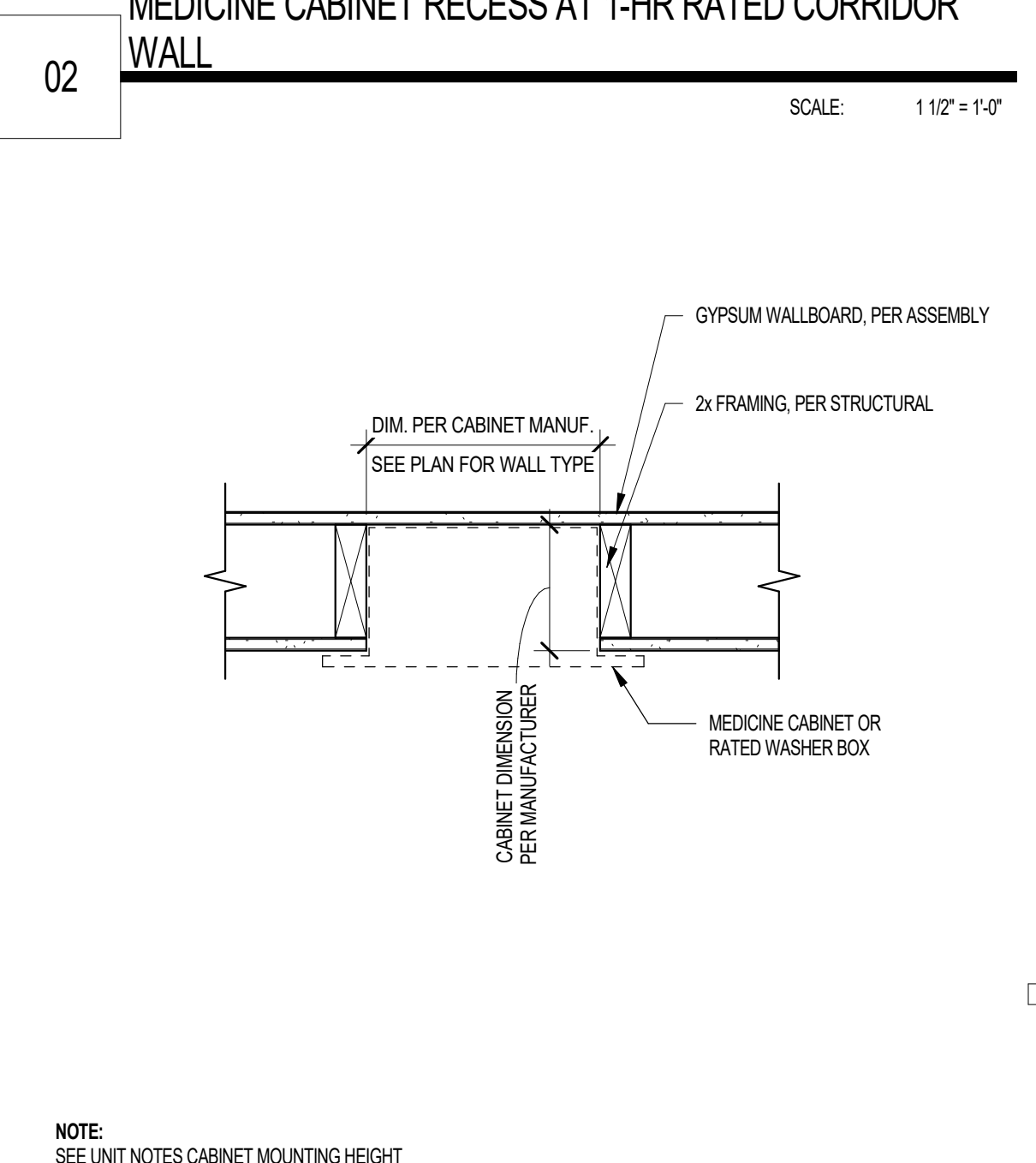
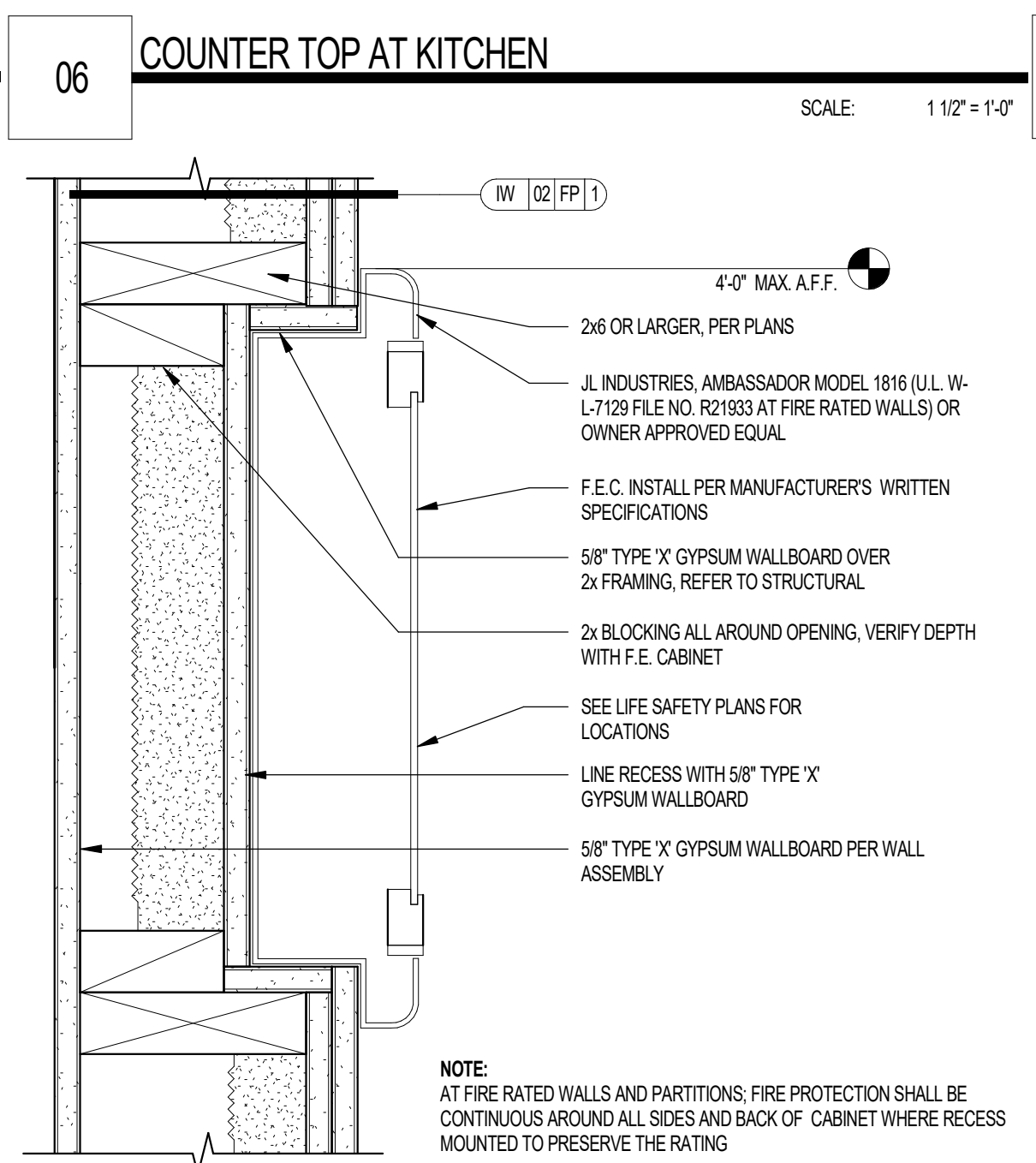
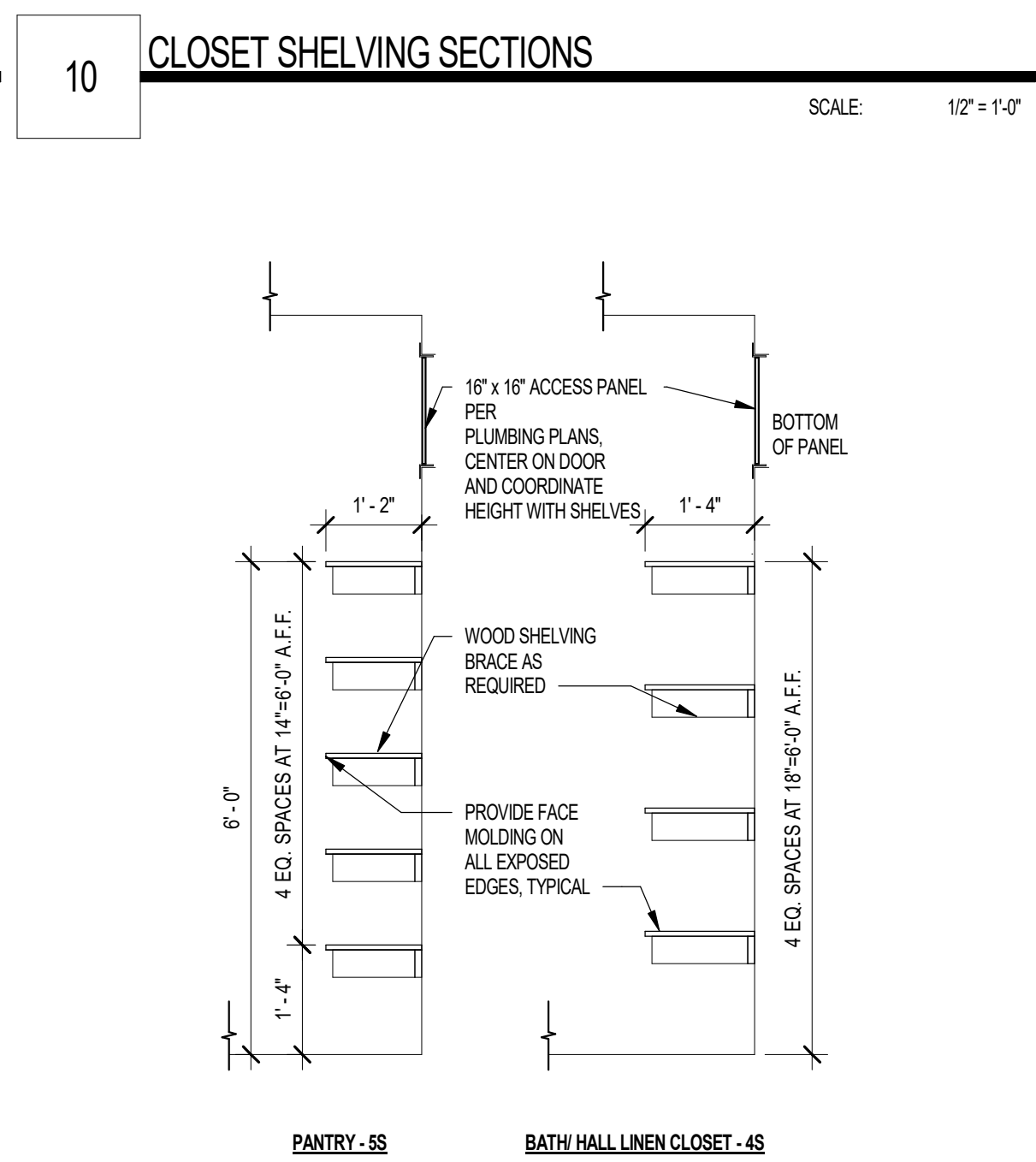
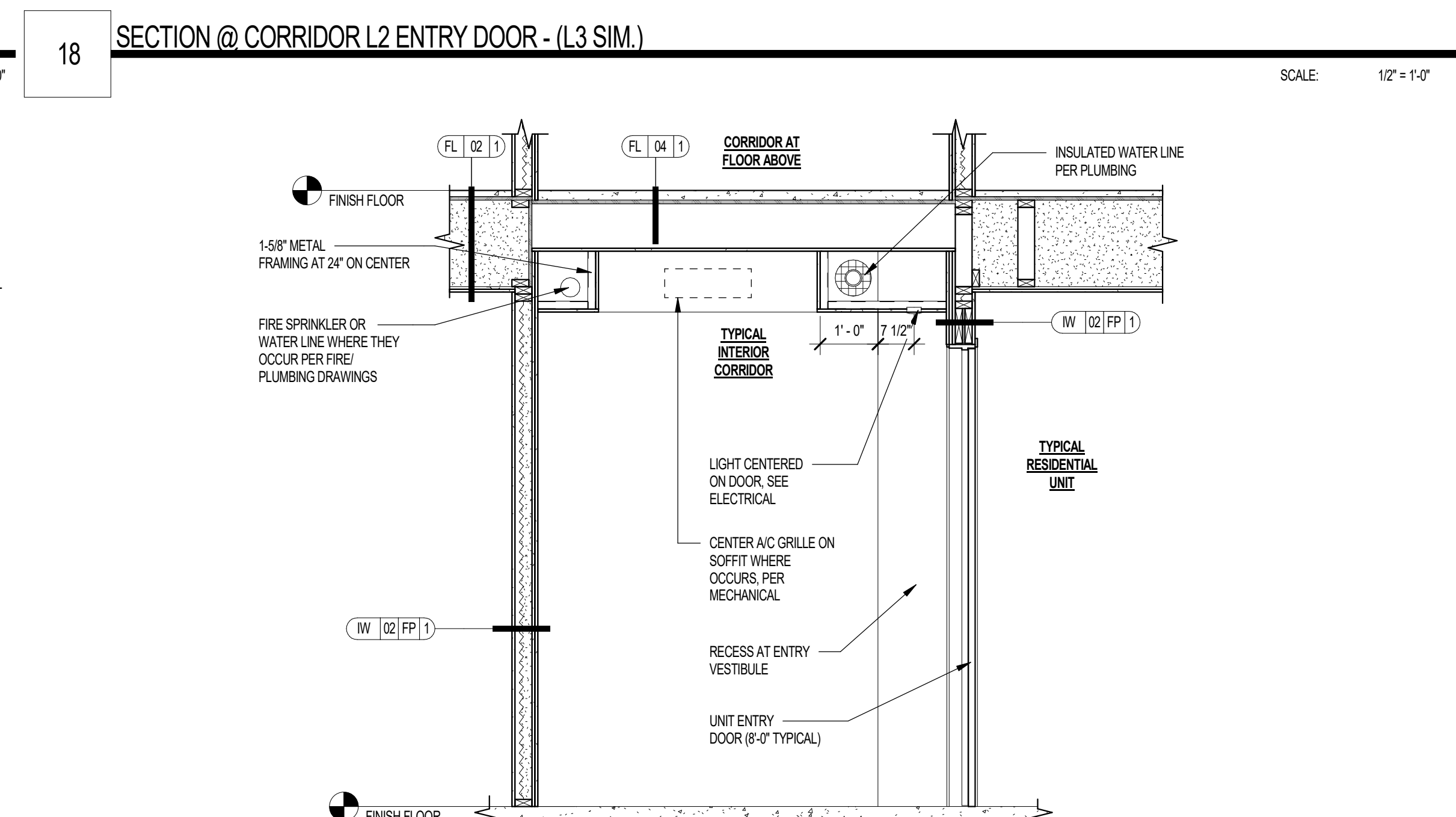
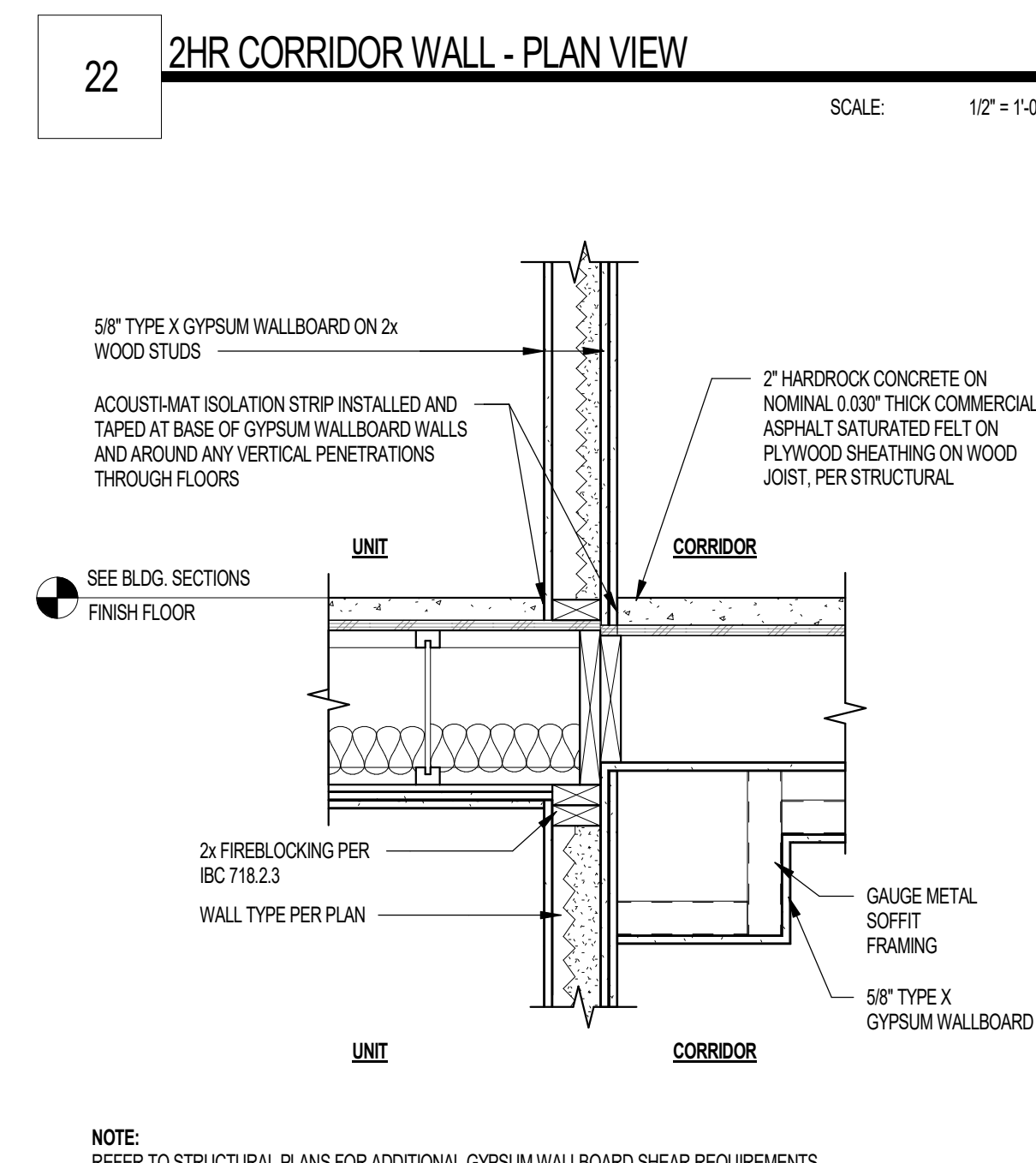
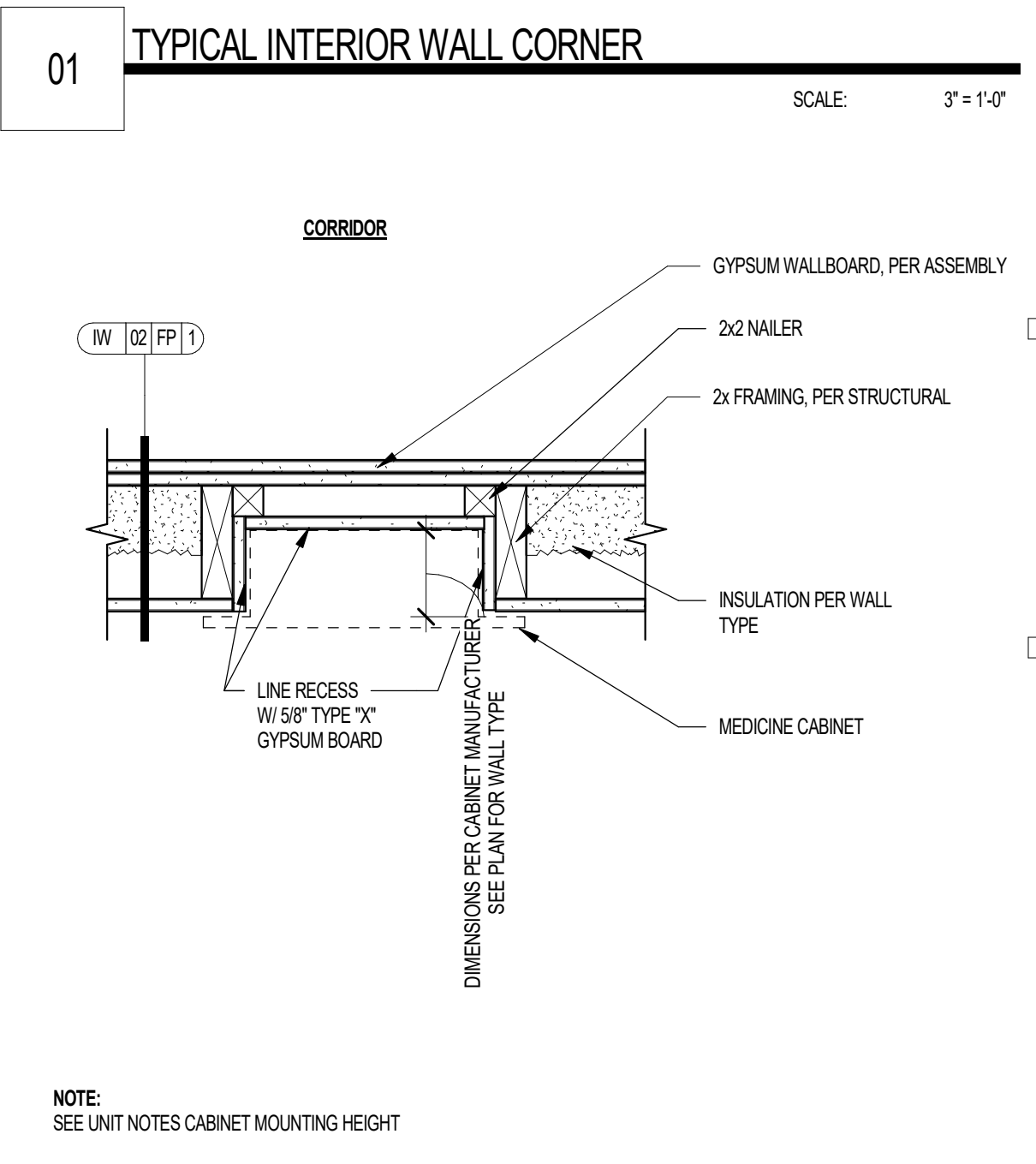
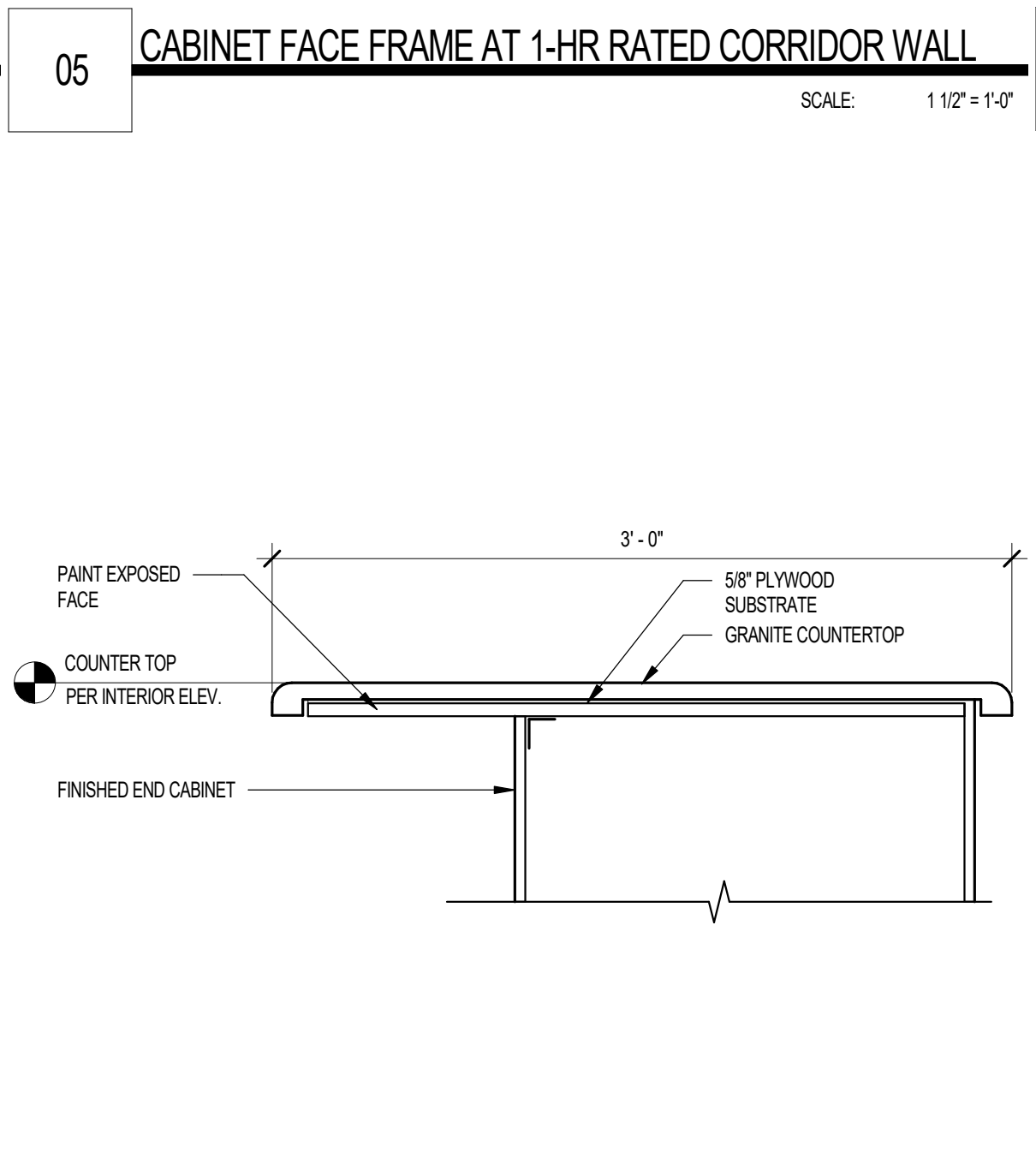
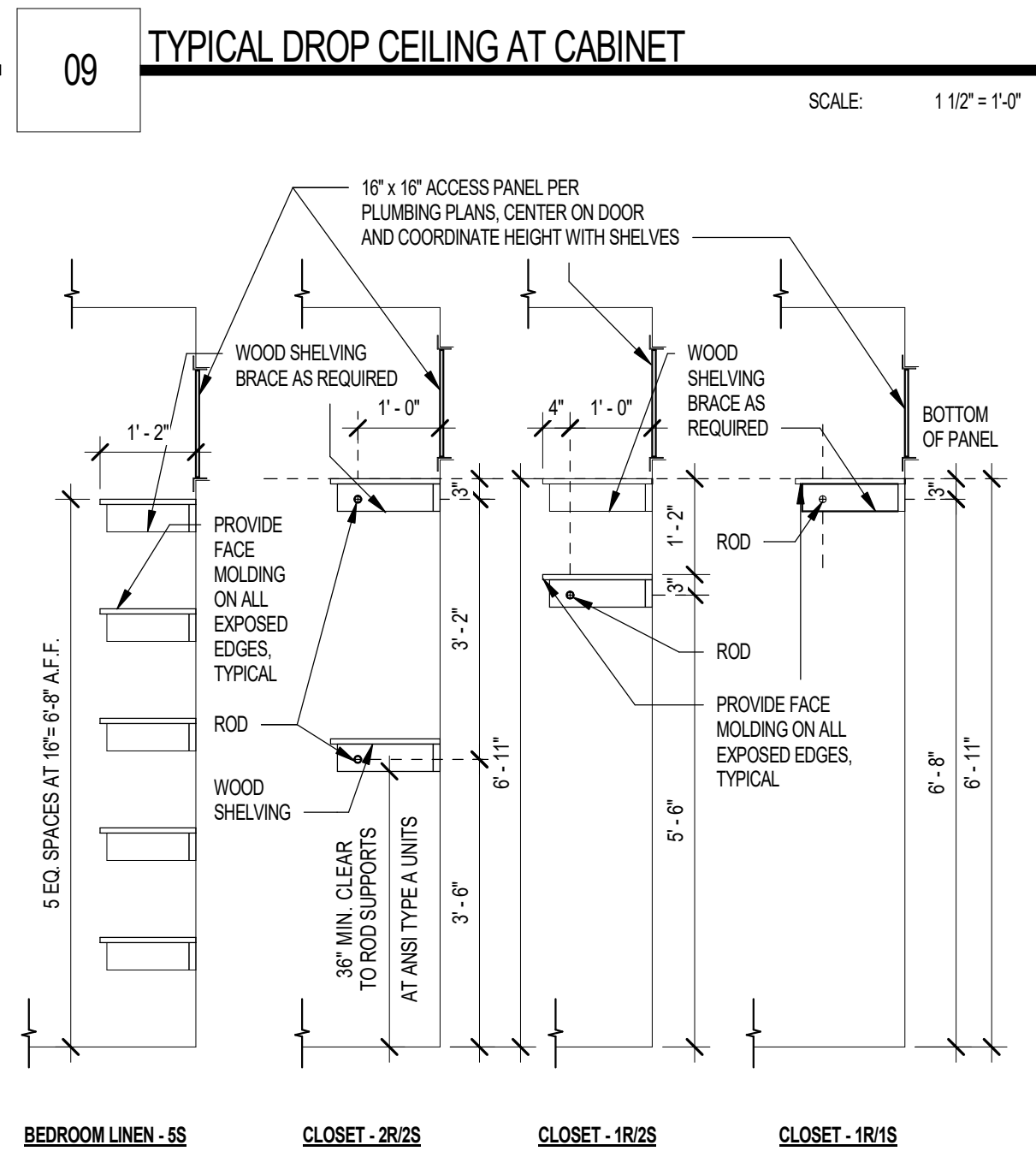
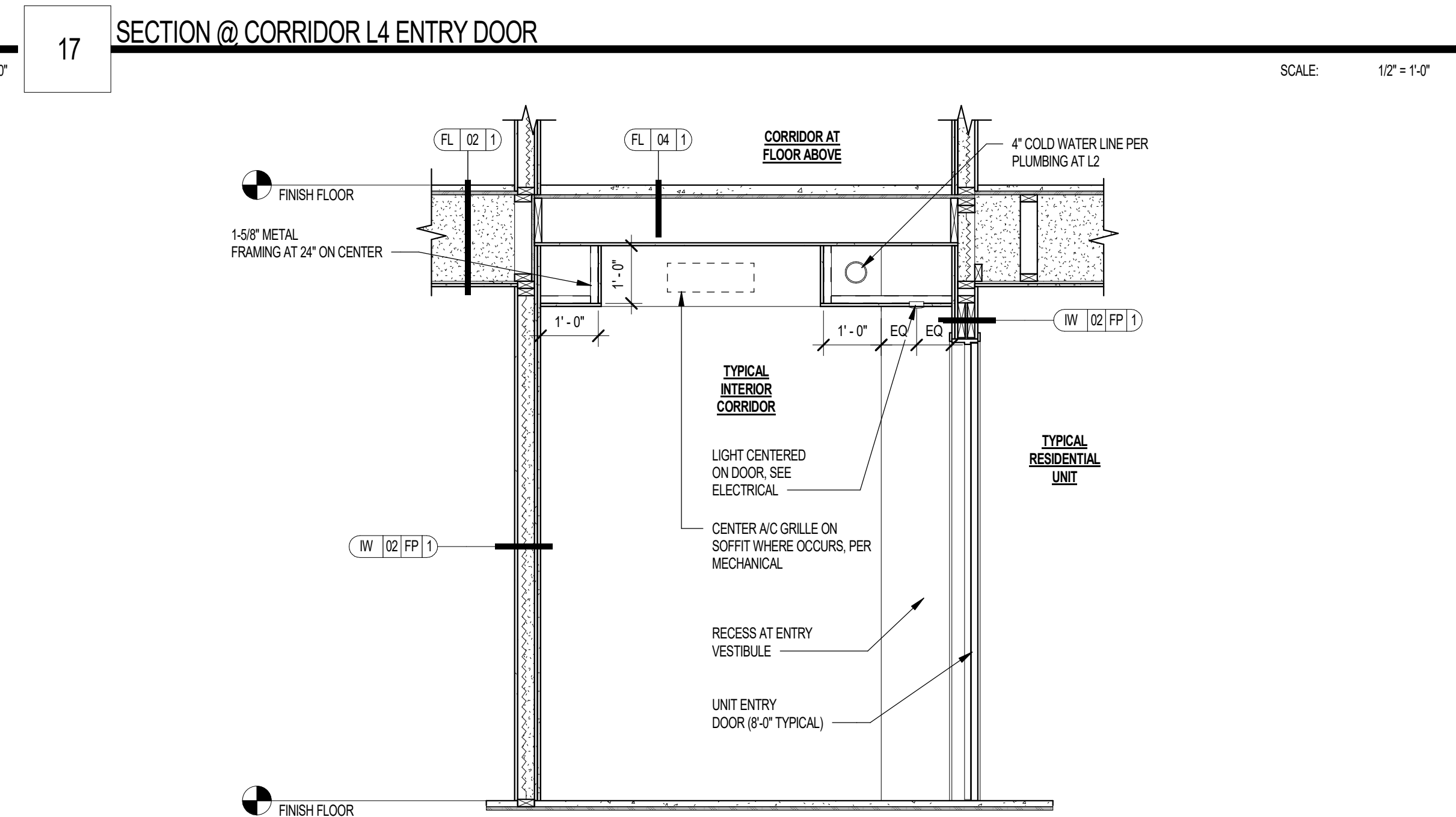
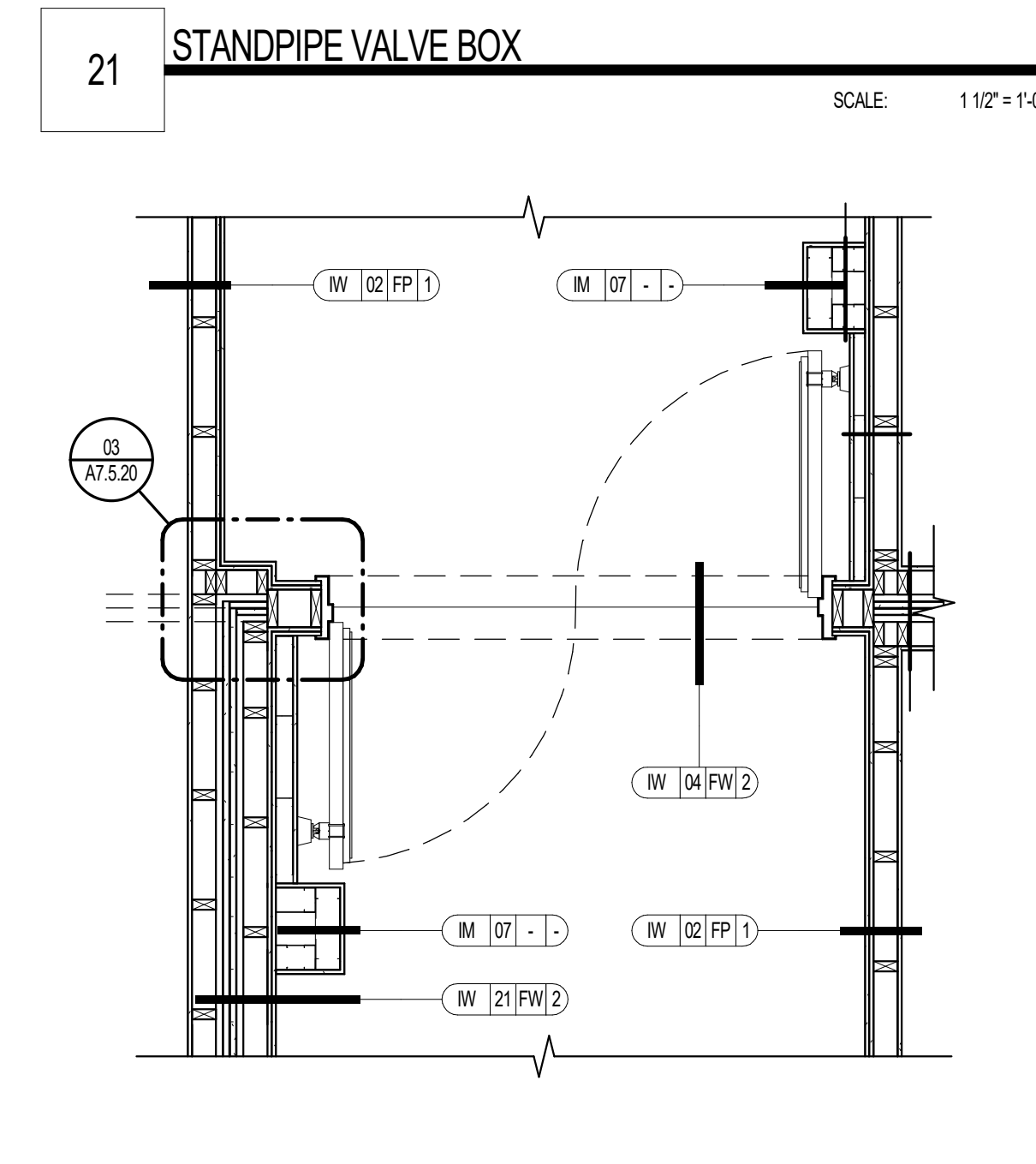
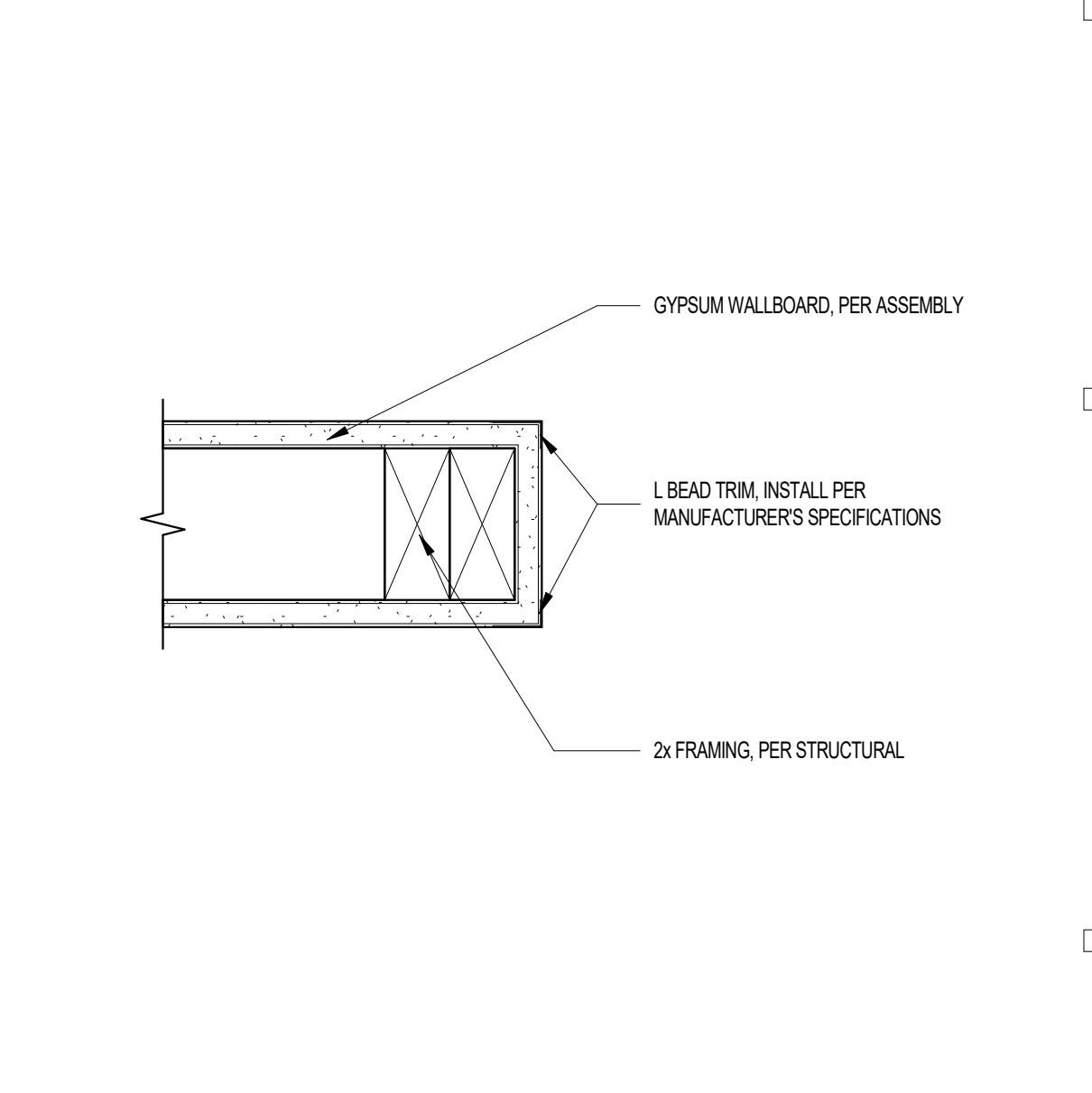
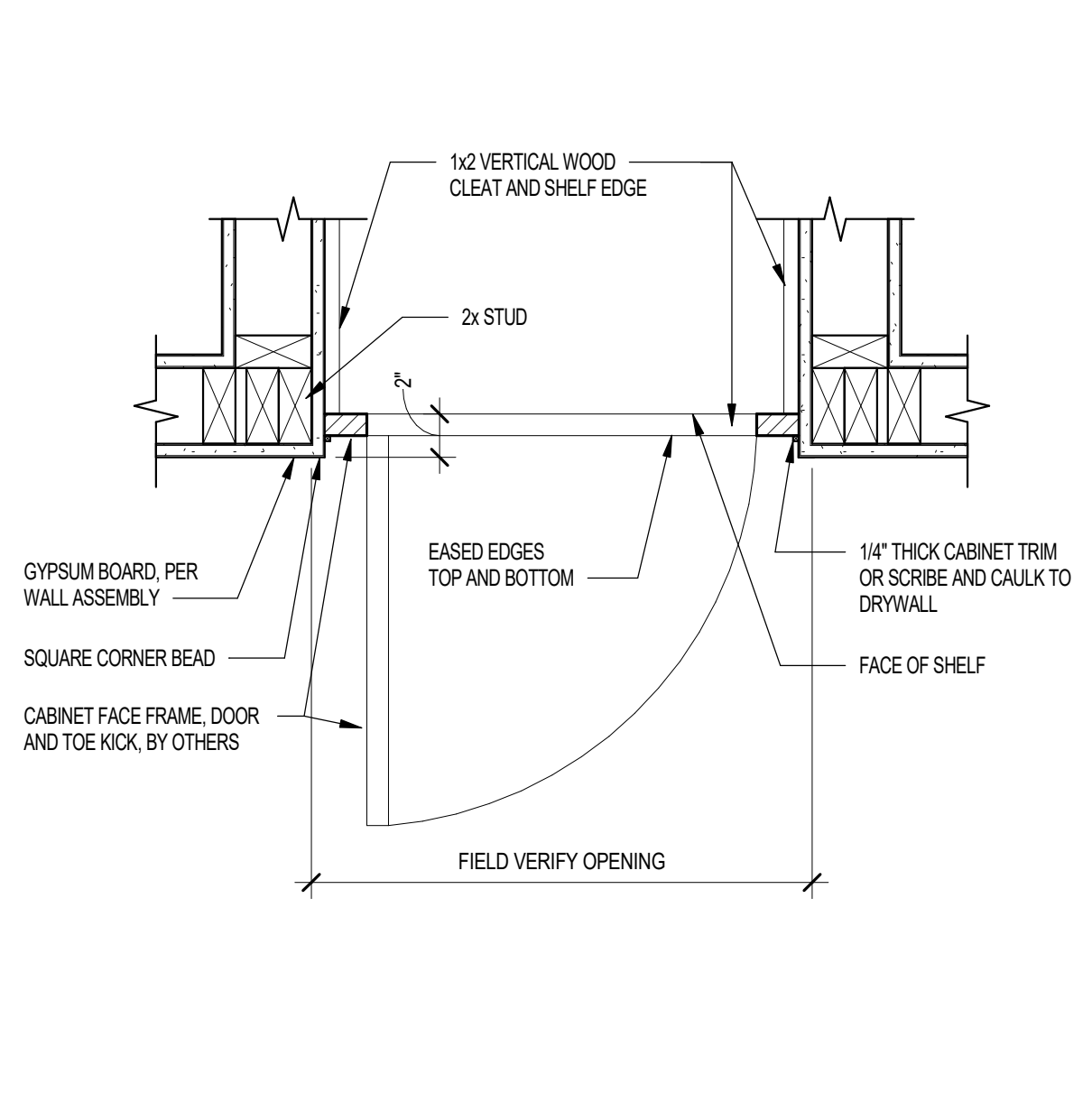
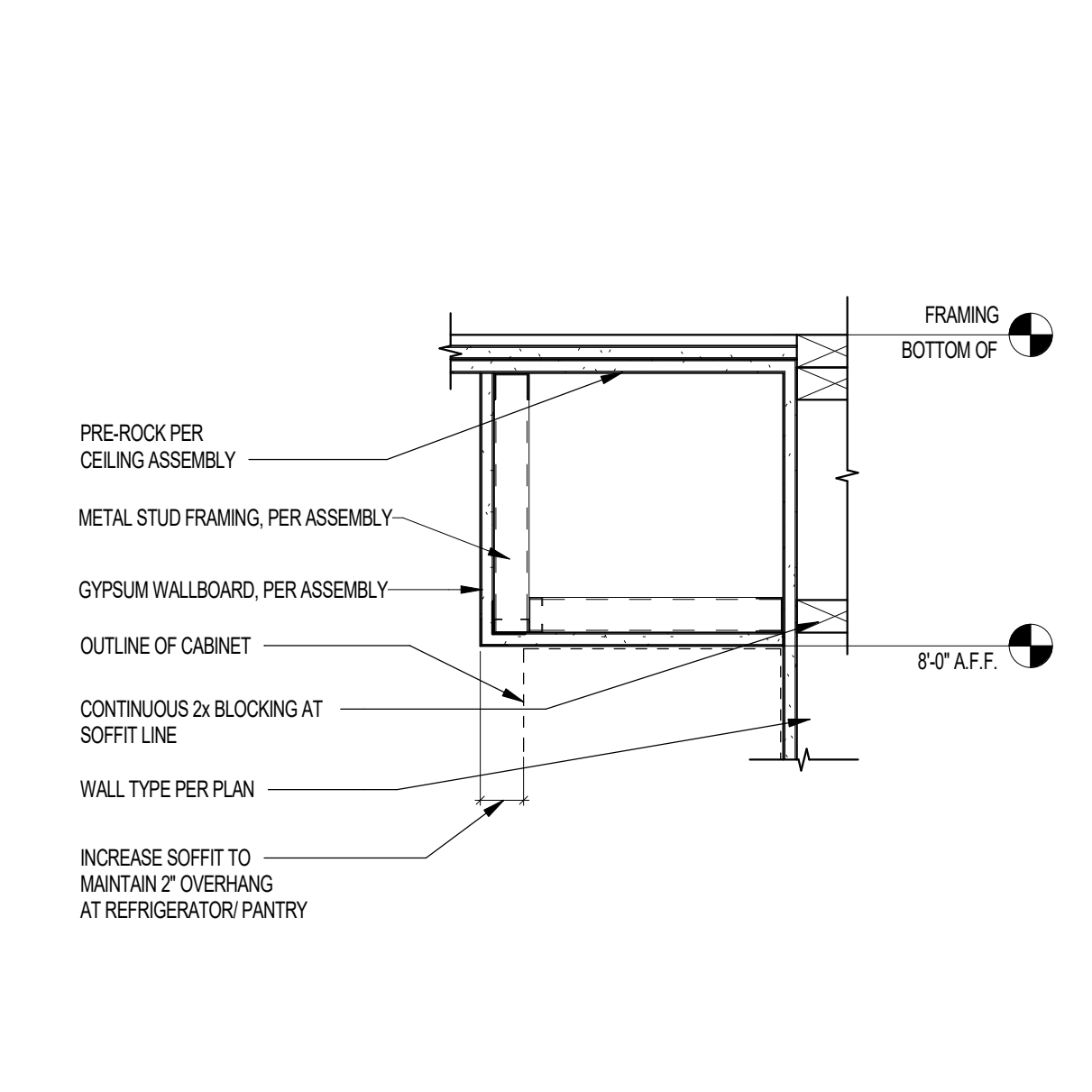
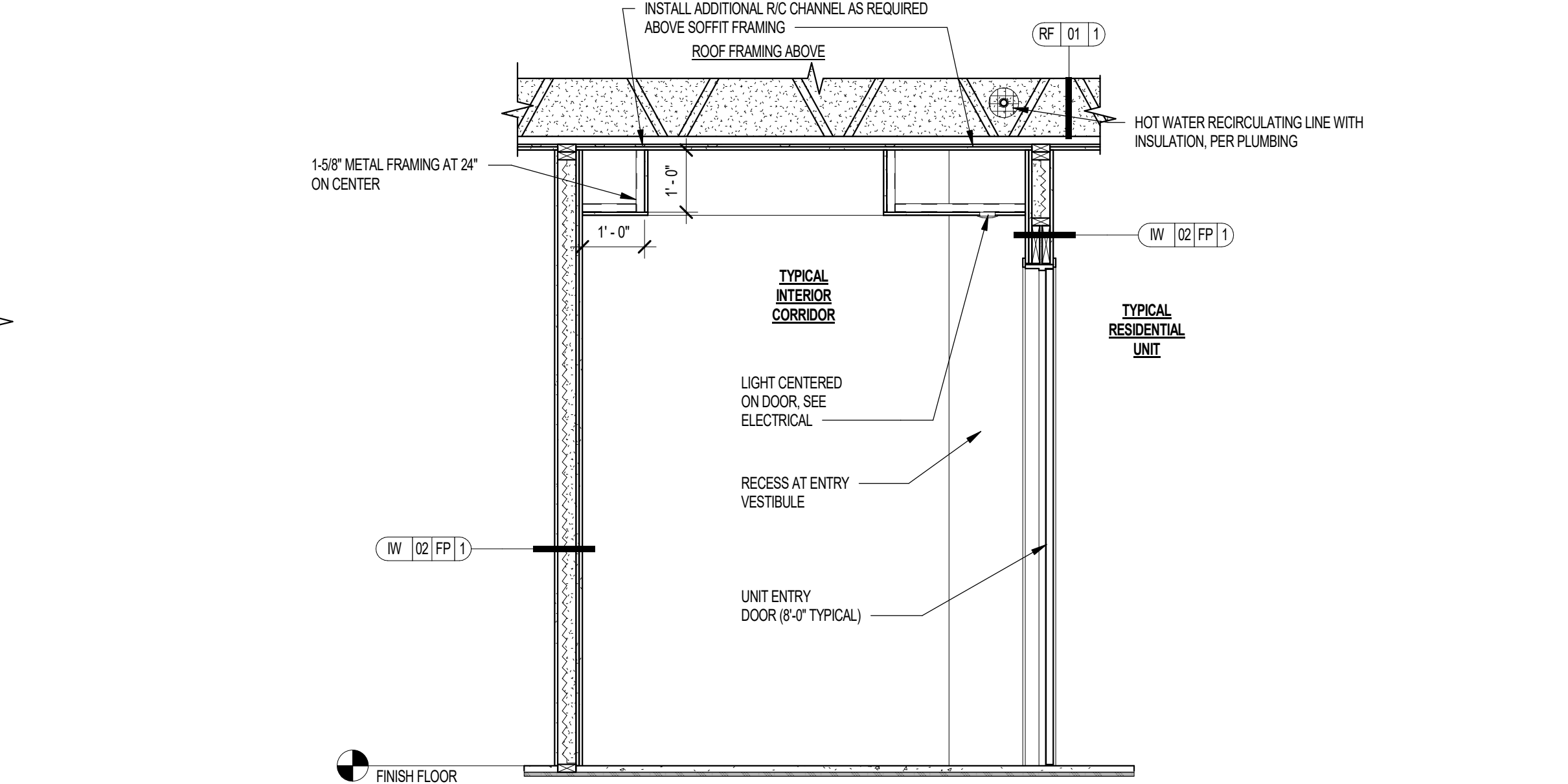
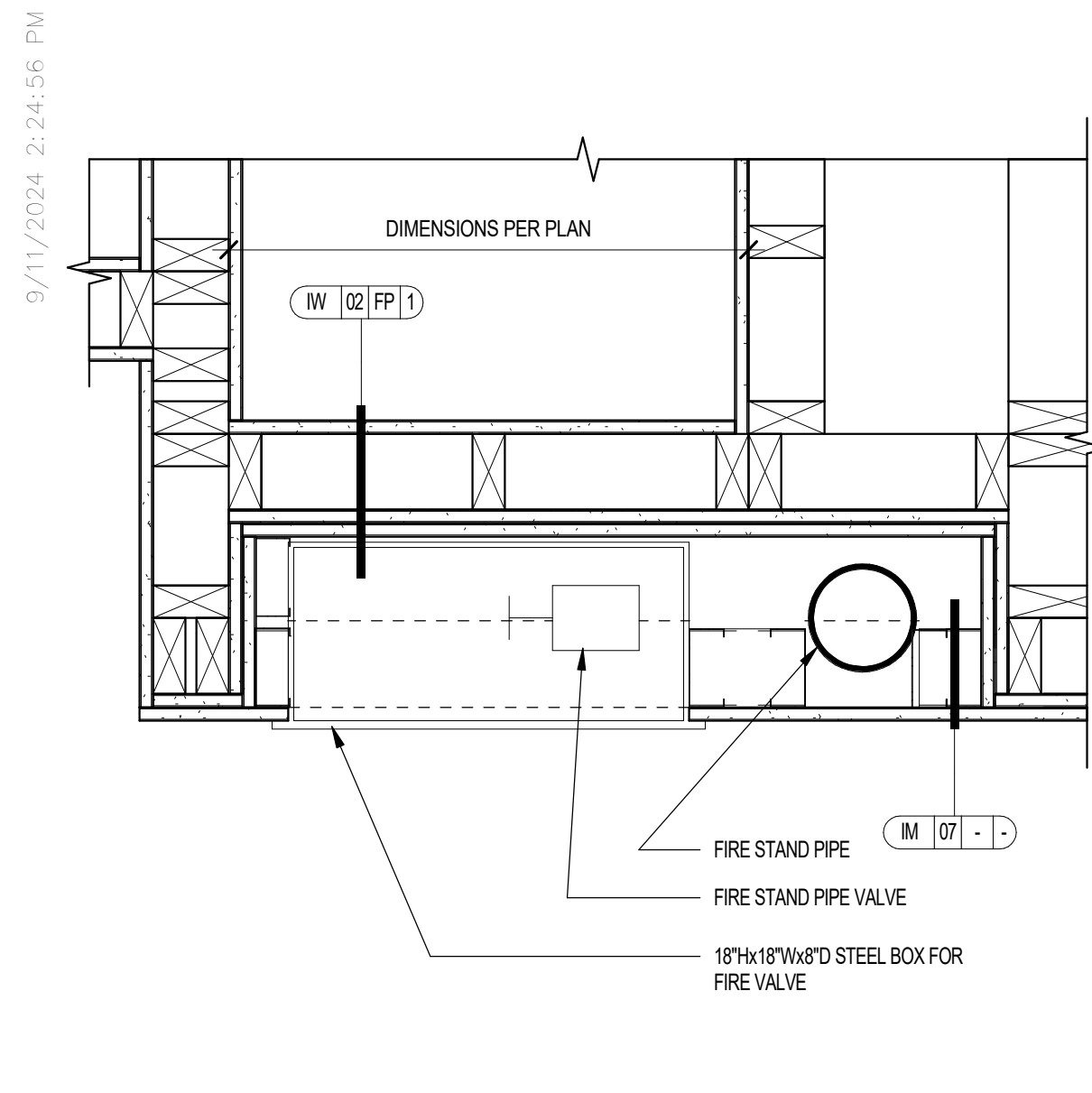
Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the express written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are not to be used for any other project, for addition to this project, or for completion of this project by others except by the express written permission of the Architect.

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Notice of alternate billing (or payment) cycle
This contract allows the owner to request the admission of change or otherwise in billing cycle after the first draw. This contract shall also be subject to the terms, conditions and specifications set forth in the applicable contract documents. A further condition of work shall be the owner's agreement to provide the written decision on request.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is closed. They are made available for use on this project as a convenience and shall not be used for any other project. To allow for the project to be completed in a timely manner, the project shall be subject to the project's schedule of completion of the Architect.

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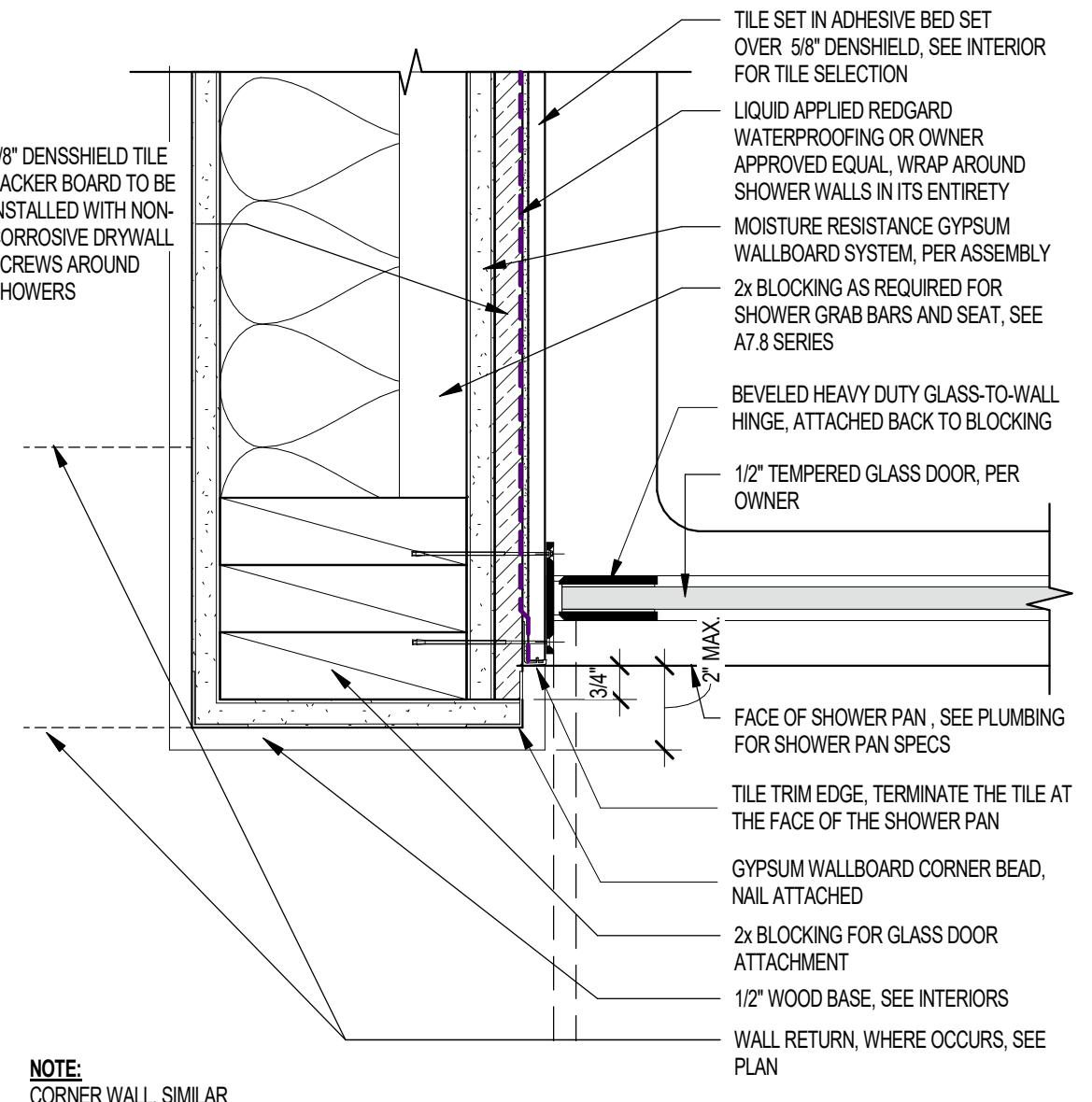
REVISIONS/SUBMITTALS	
DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

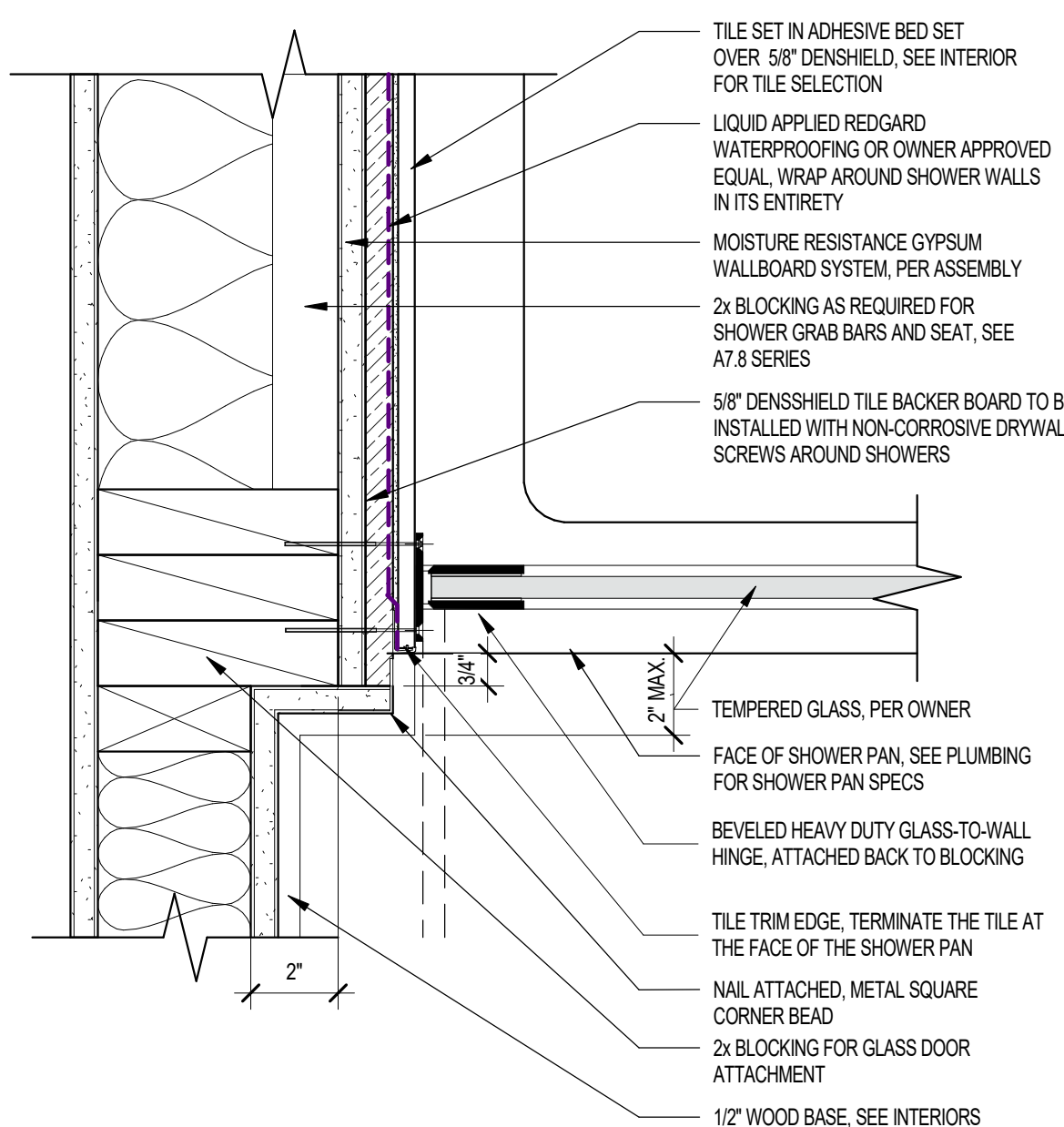
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UNIT & CORRIDOR DETAILS WOOD FRAMING

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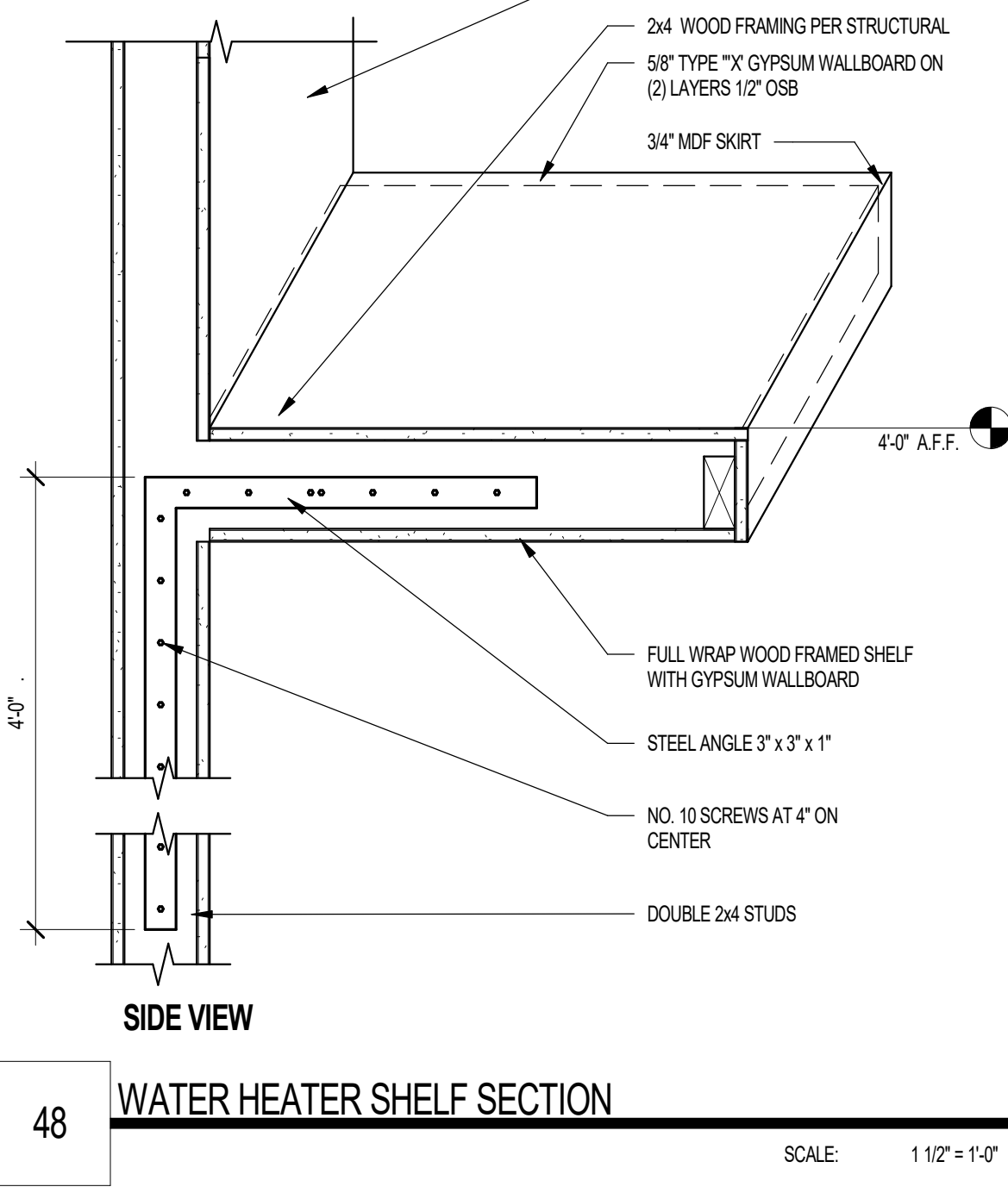
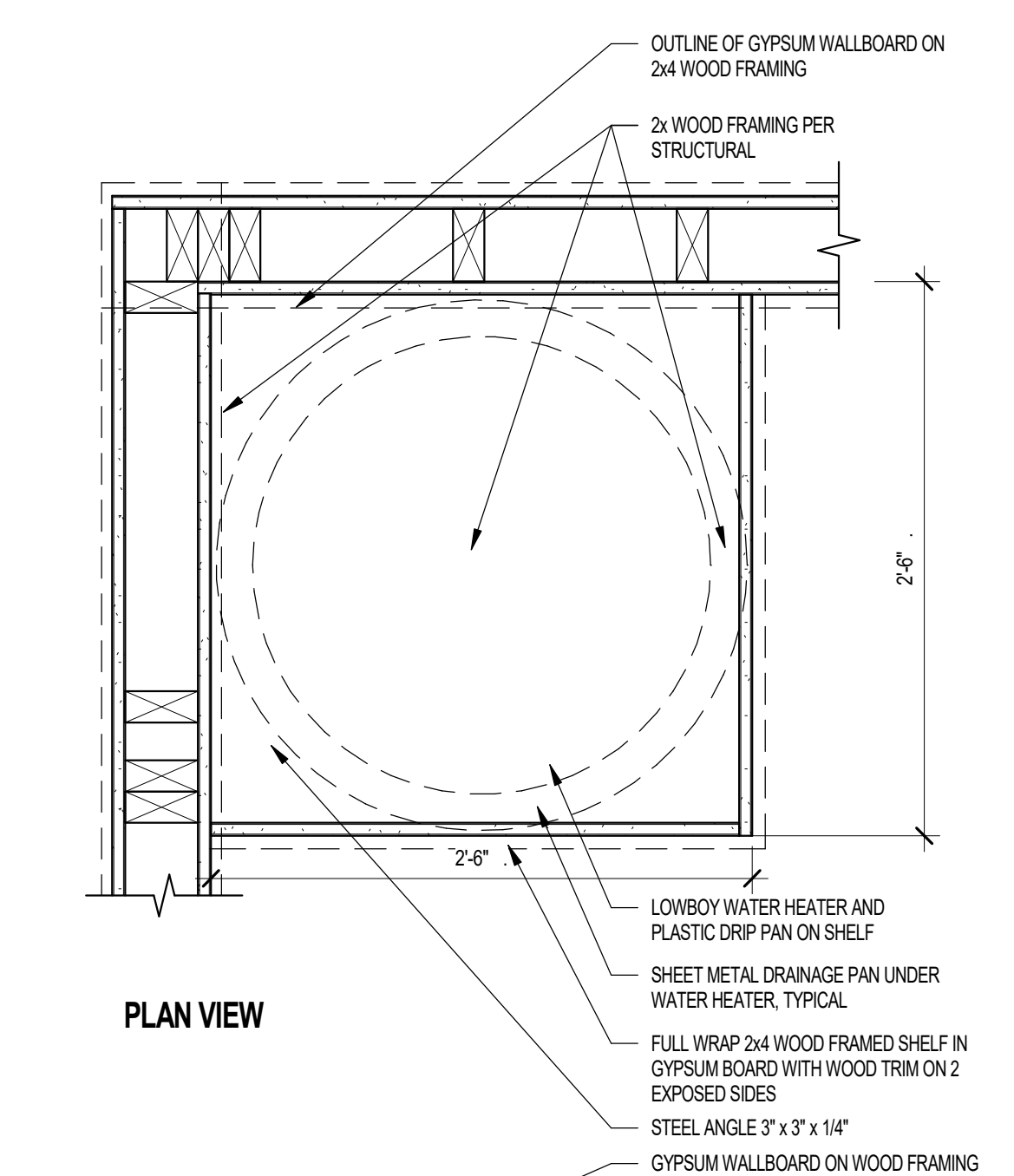
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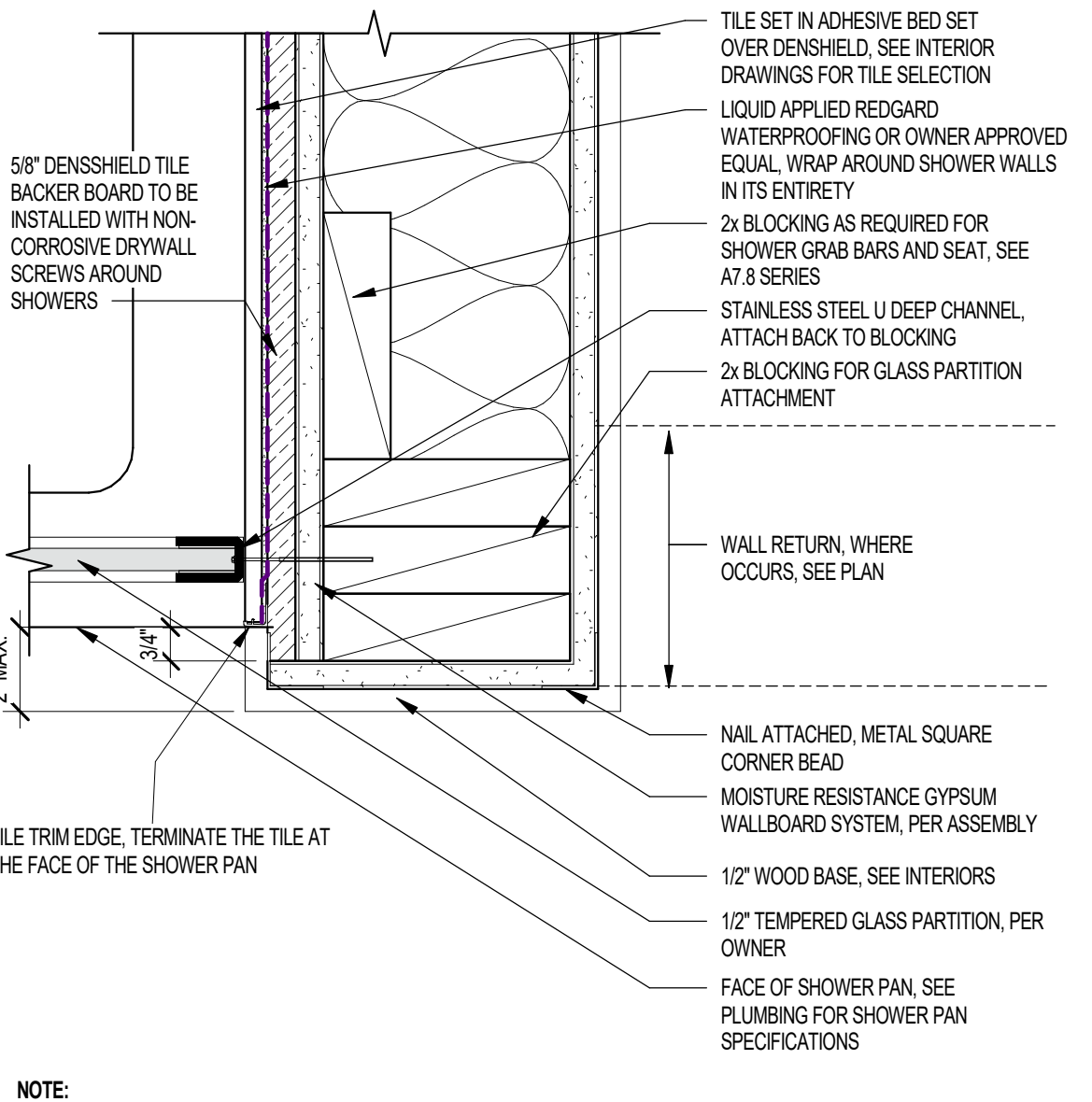
45 GLASS SHOWER DOOR AT WING WALL - PLAN
SCALE: 3/4" = 1'-0"



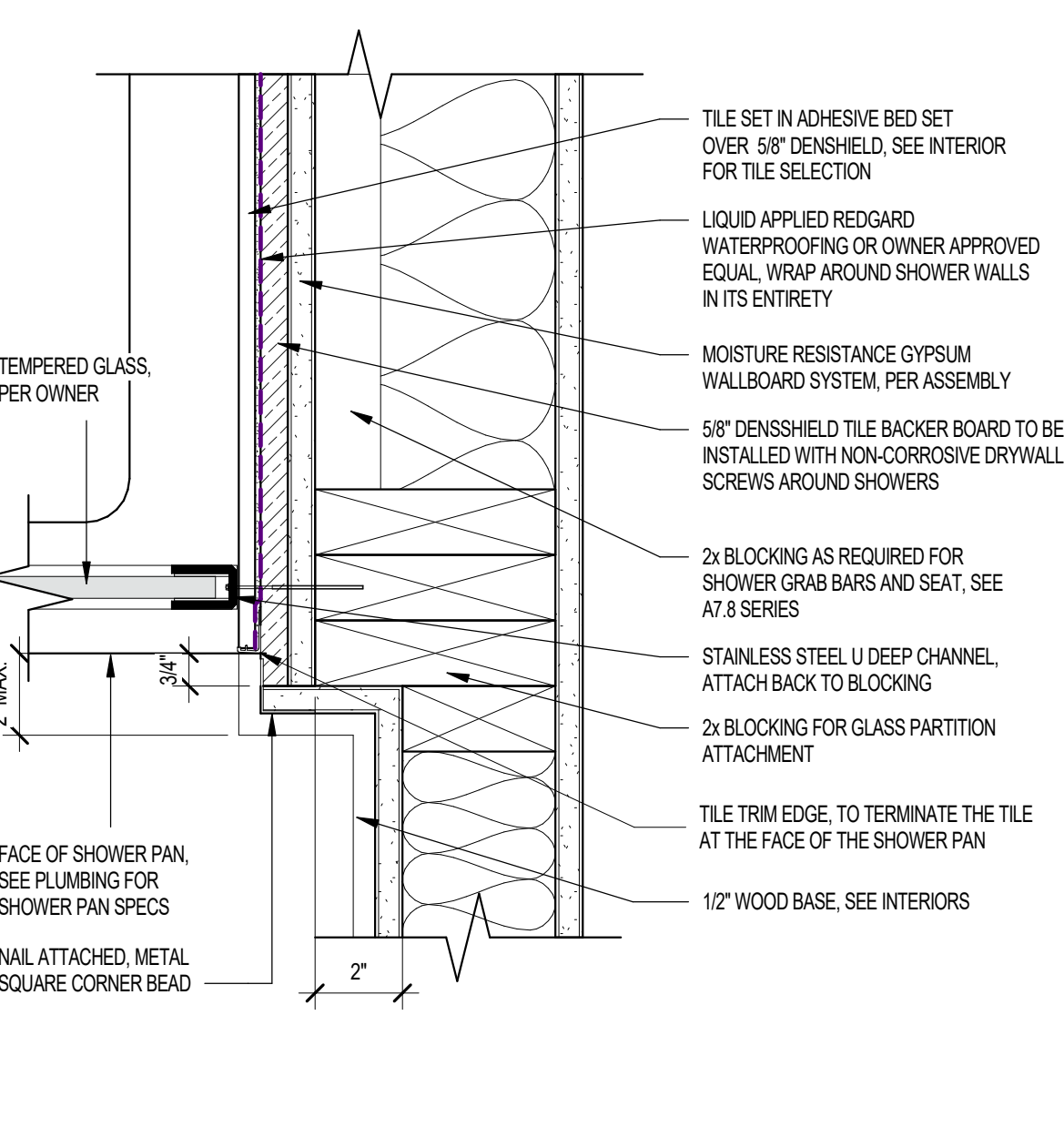
46 GLASS DOOR AT STEPPED WALL - PLAN
SCALE: 3/4" = 1'-0"



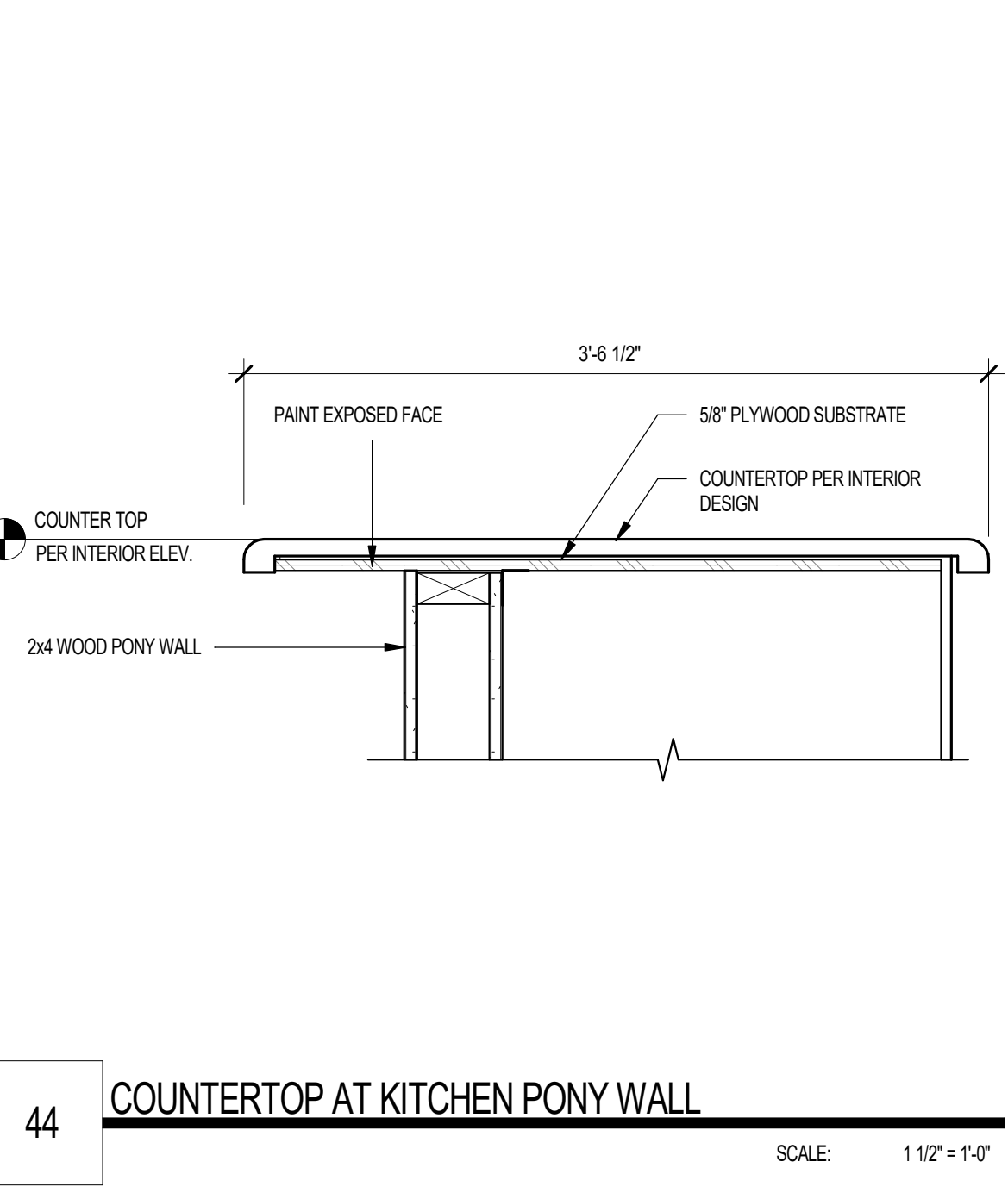
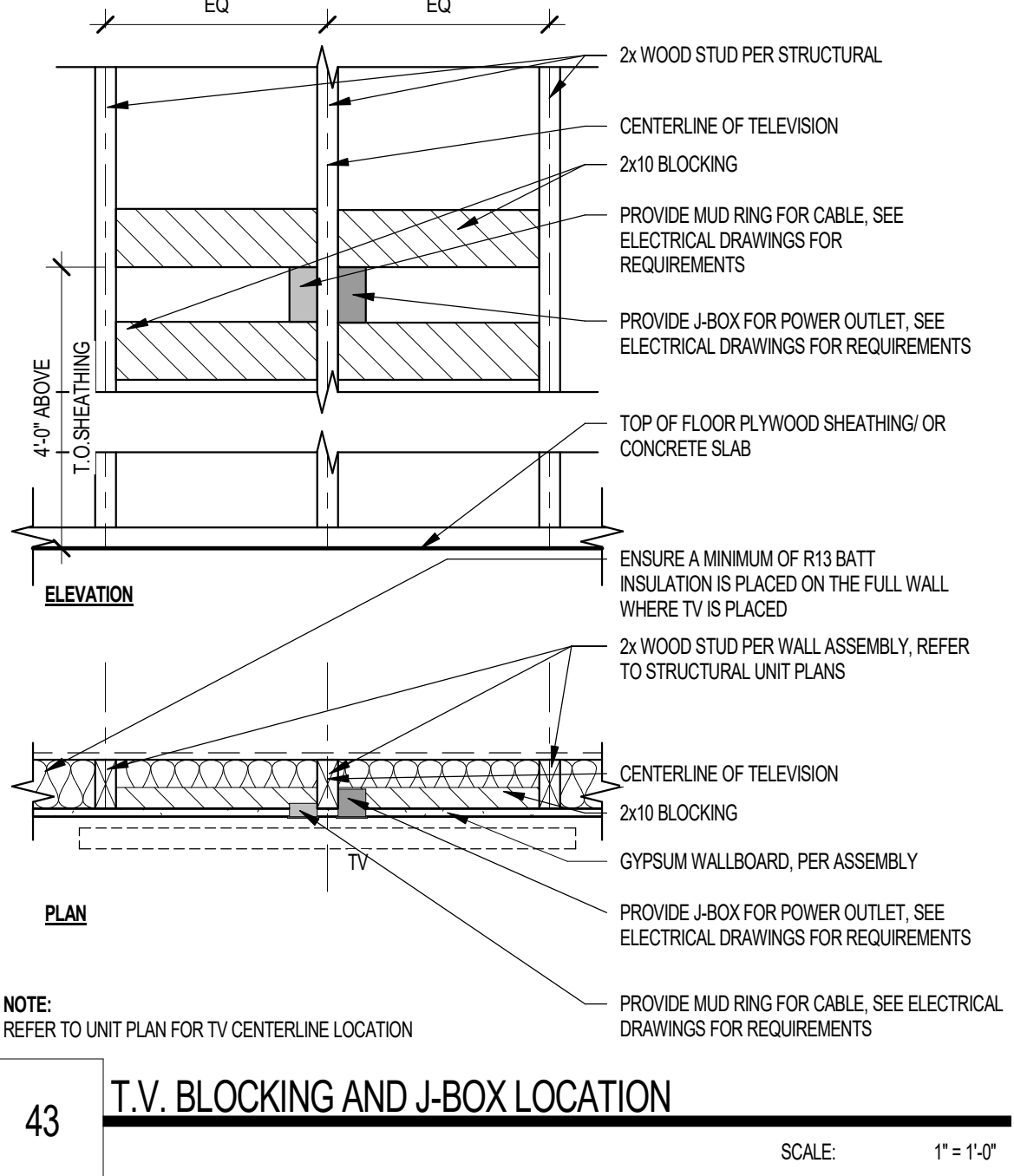
48 WATER HEATER SHELF SECTION
SCALE: 1/12" = 1'-0"



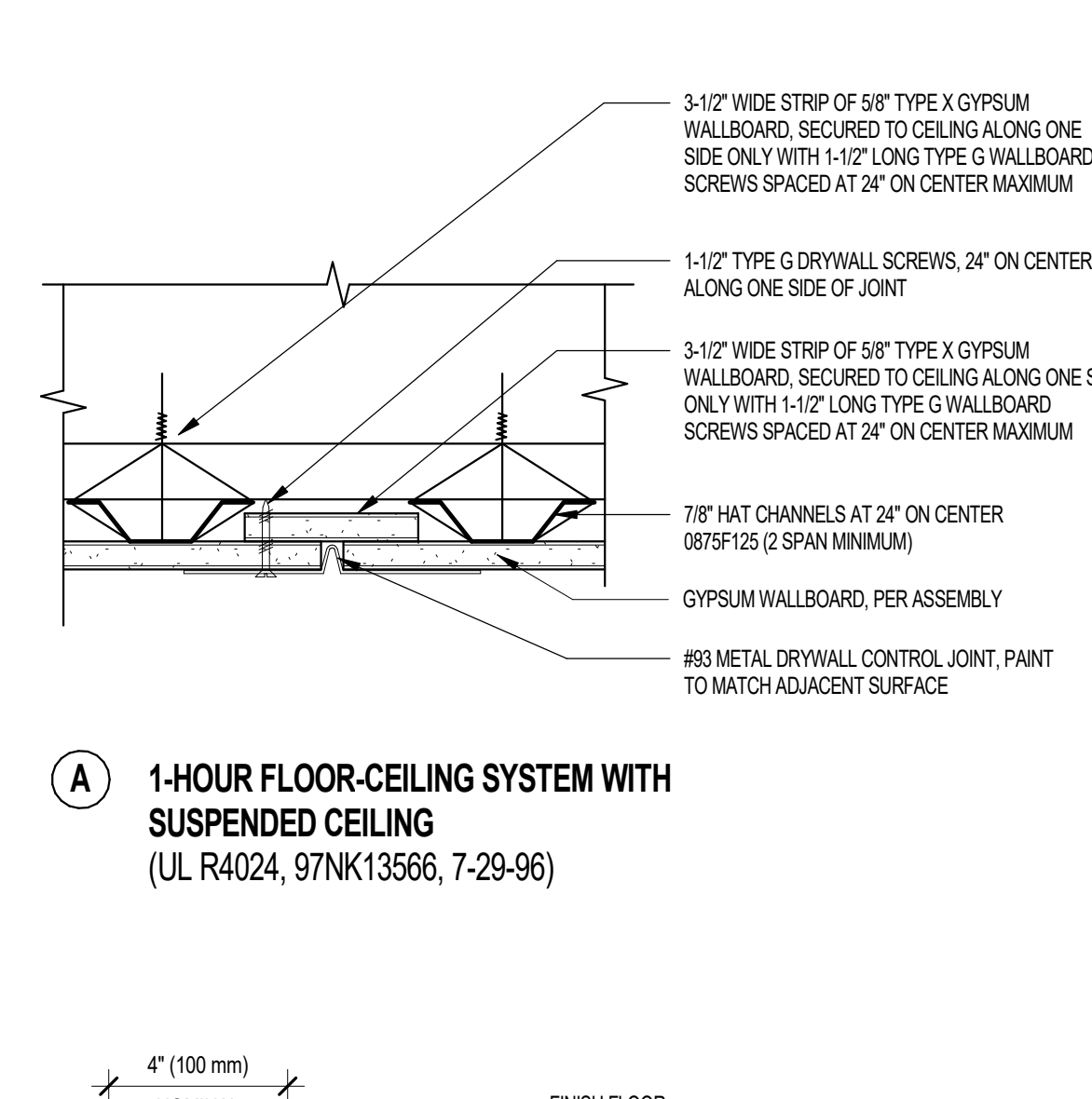
41 SHOWER GLASS PARTITION AT WING WALL - PLAN
SCALE: 3/4" = 1'-0"



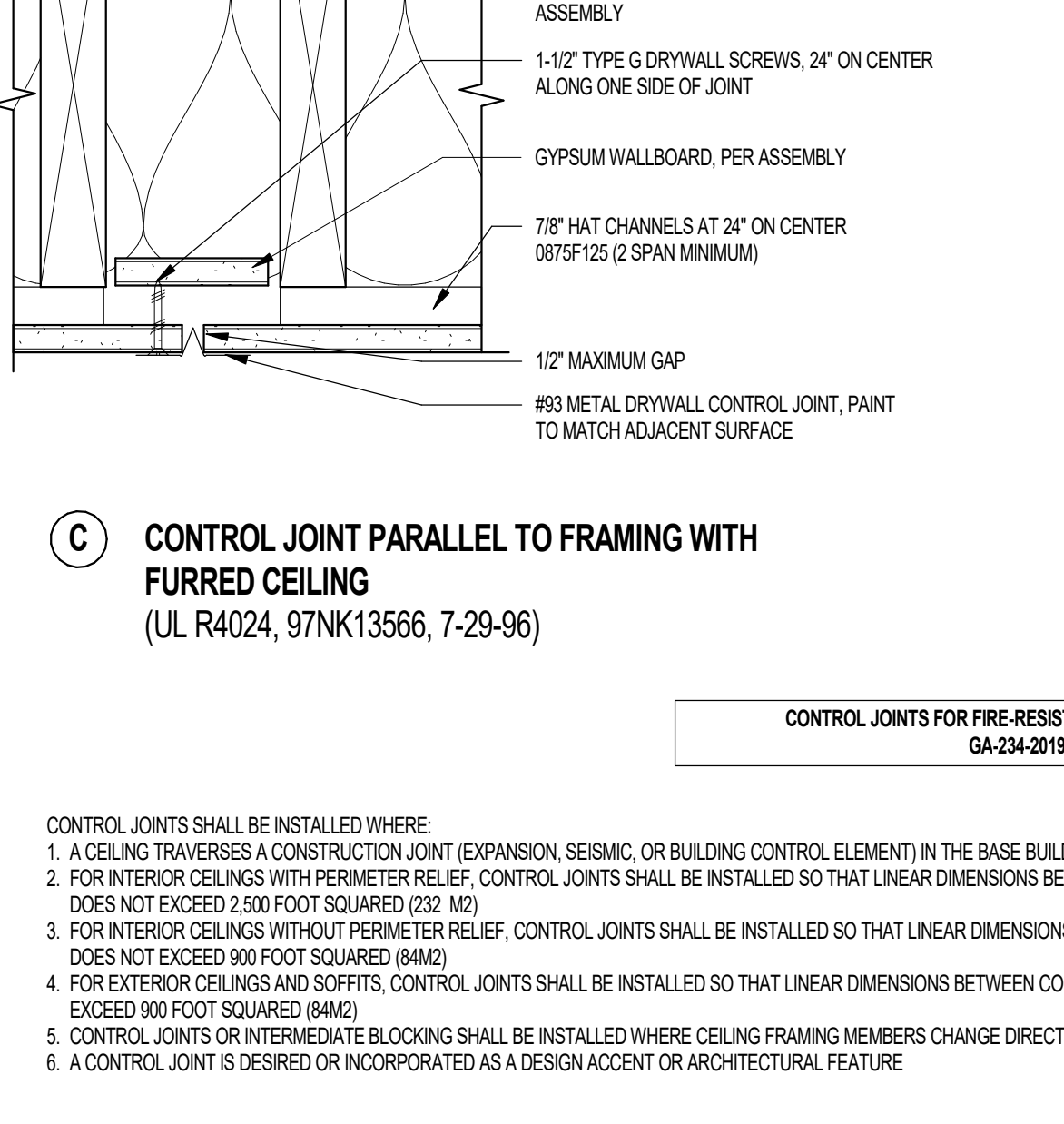
42 GLASS PARTITION AT STEPPED WALL - PLAN
SCALE: 3/4" = 1'-0"



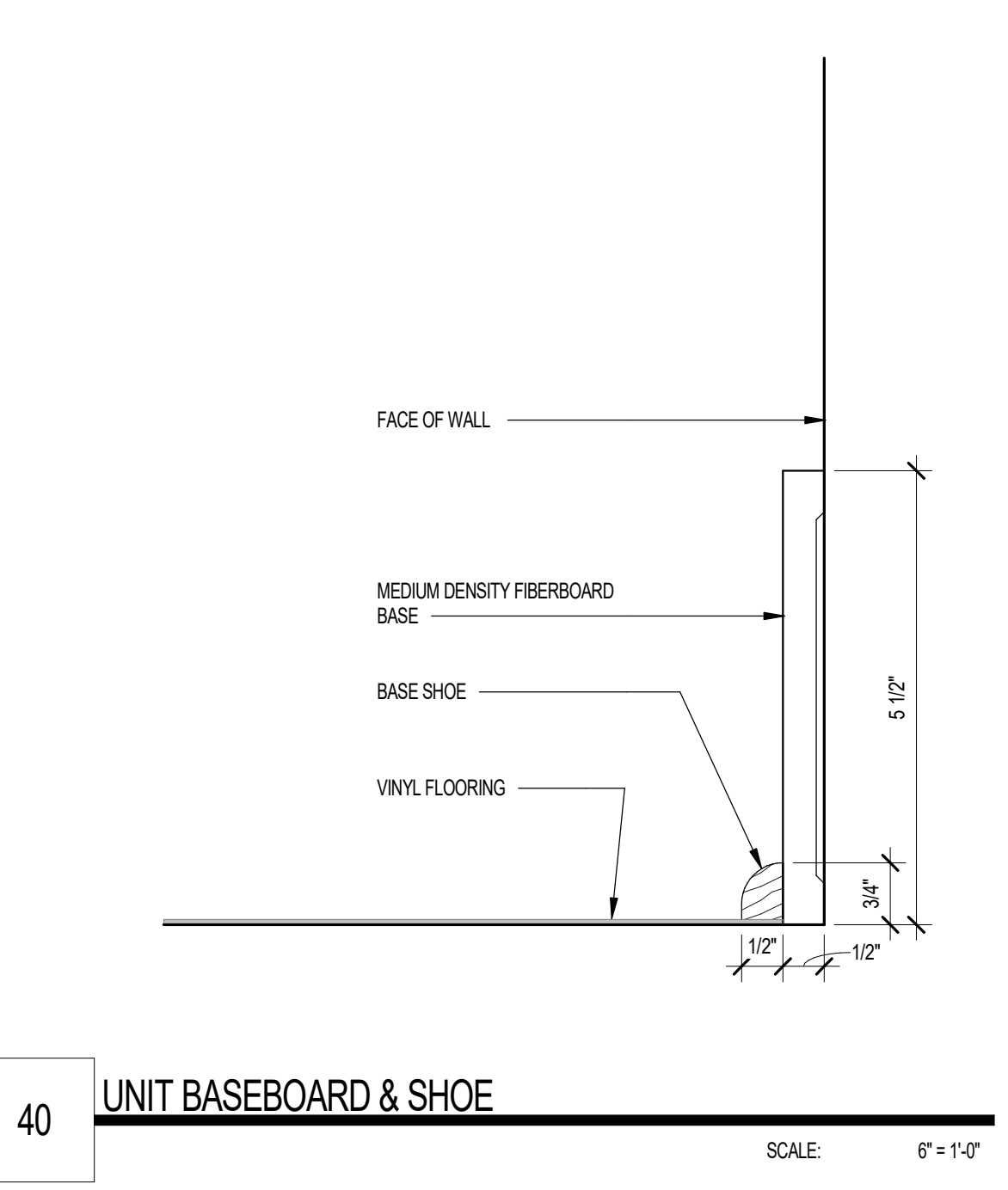
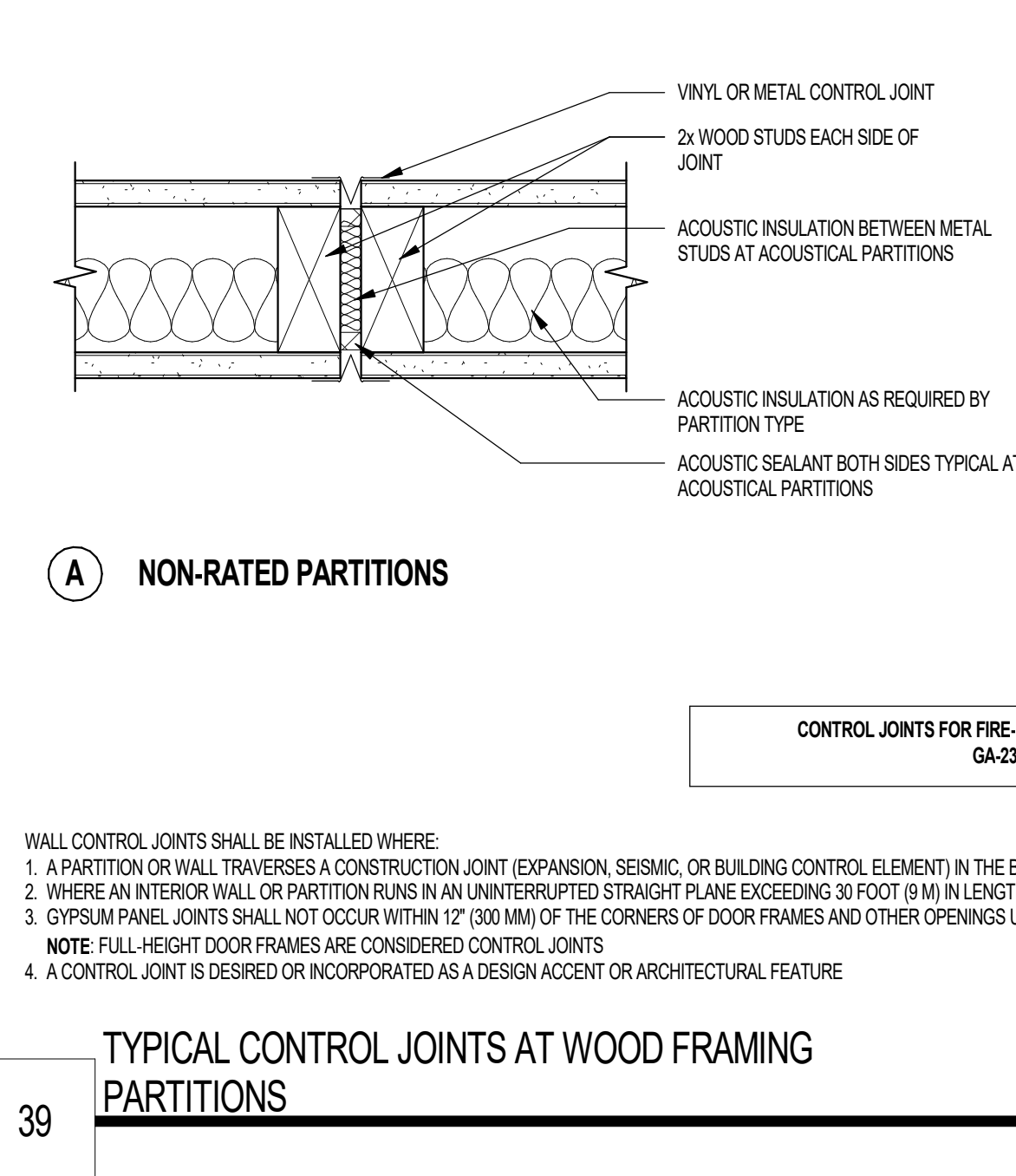
44 COUNTERTOP AT KITCHEN PONY WALL
SCALE: 1/12" = 1'-0"



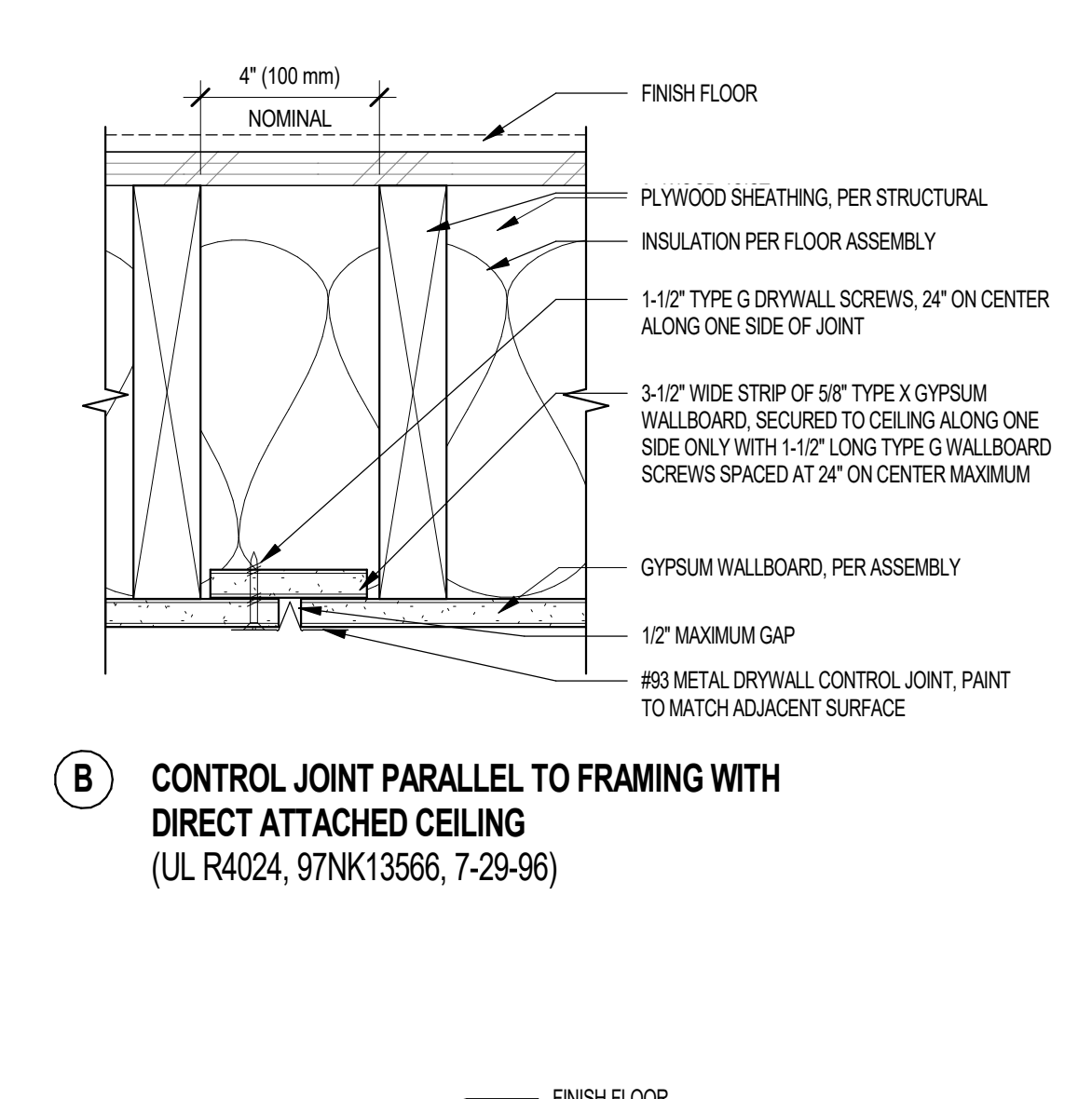
A 1-HOUR FLOOR-CEILING SYSTEM WITH SUSPENDED CEILING
(UL R4024, 97NK13566, 7-29-96)



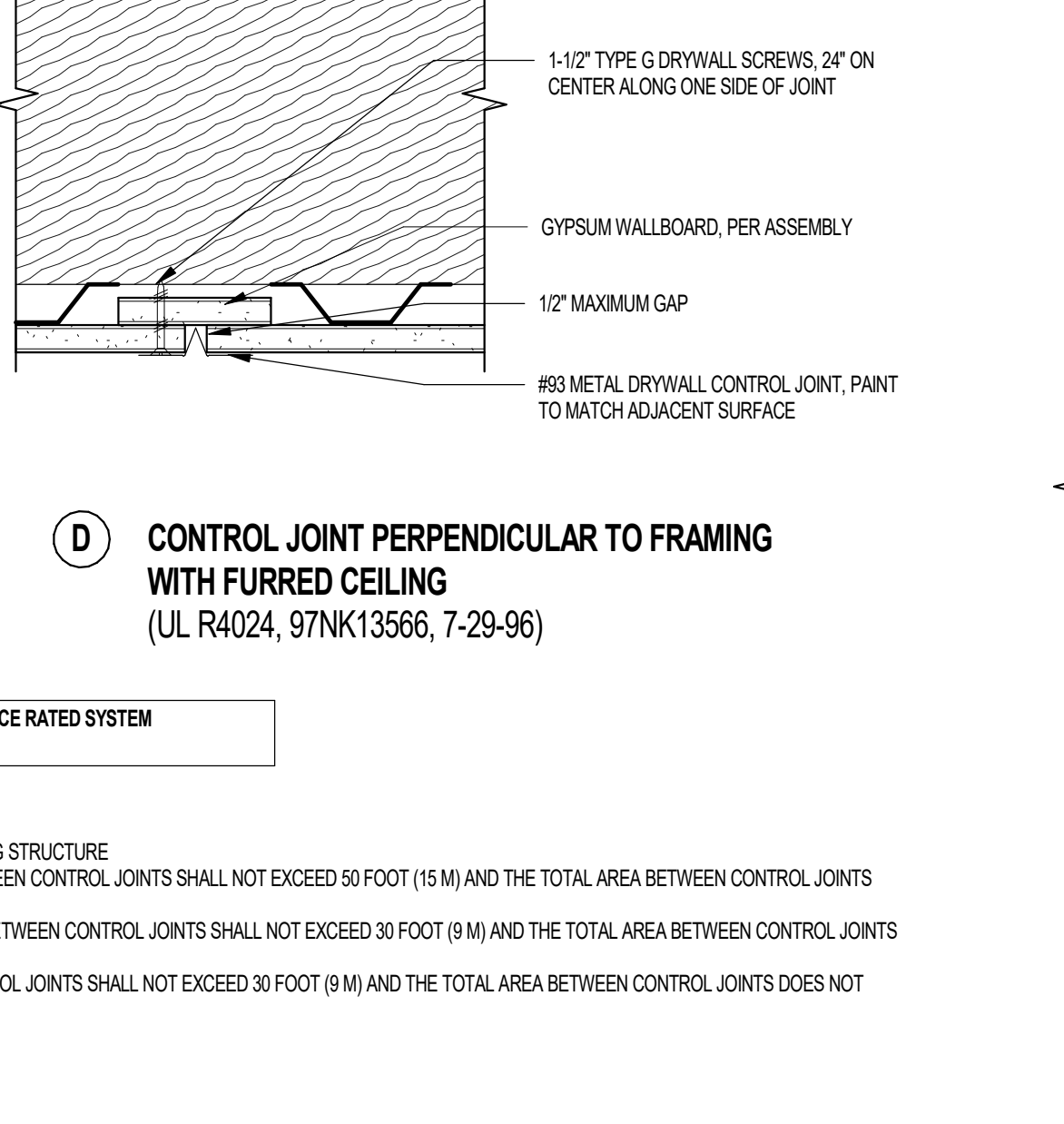
C CONTROL JOINT PARALLEL TO FRAMING WITH FURRED CEILING
(UL R4024, 97NK13566, 7-29-96)



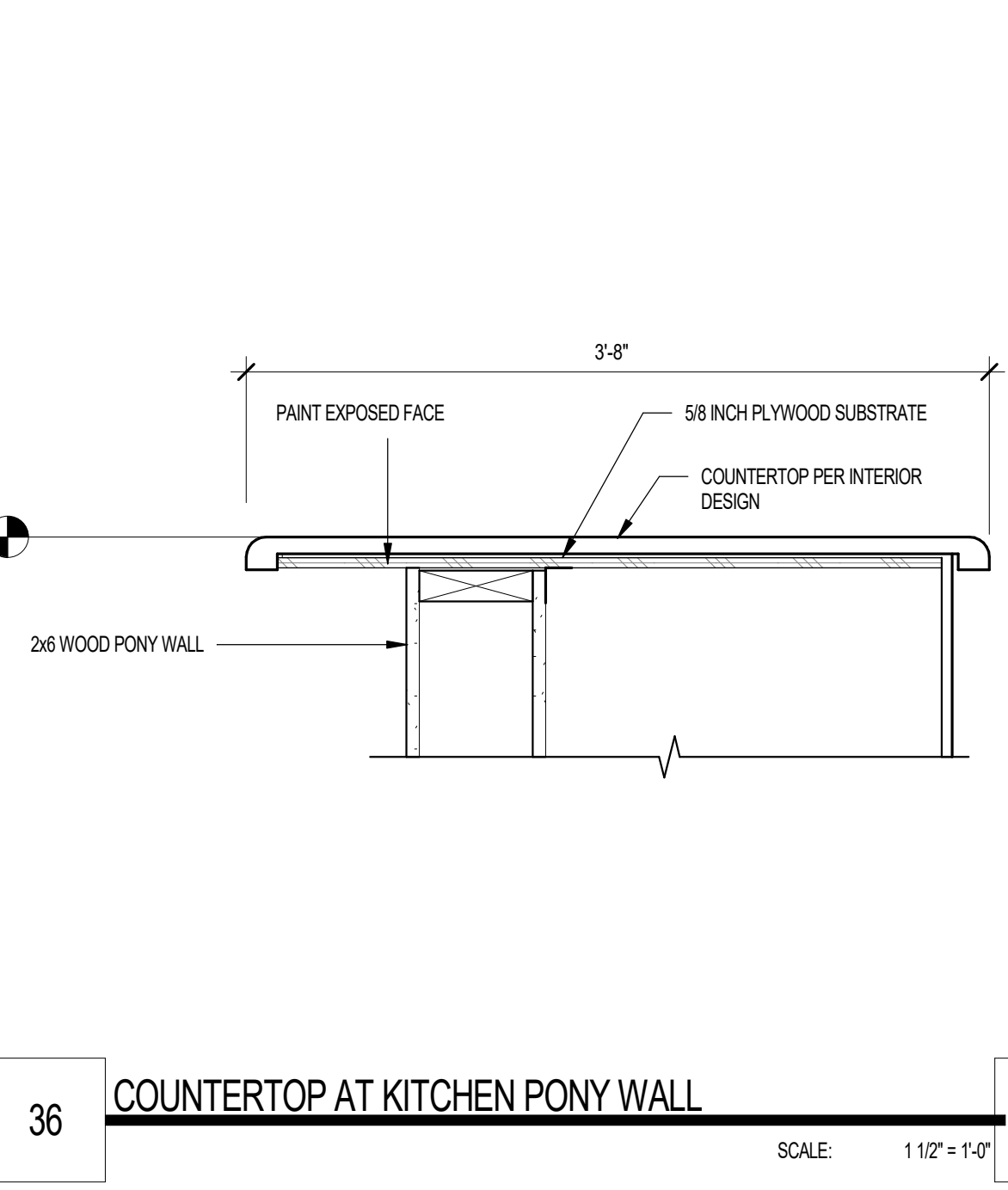
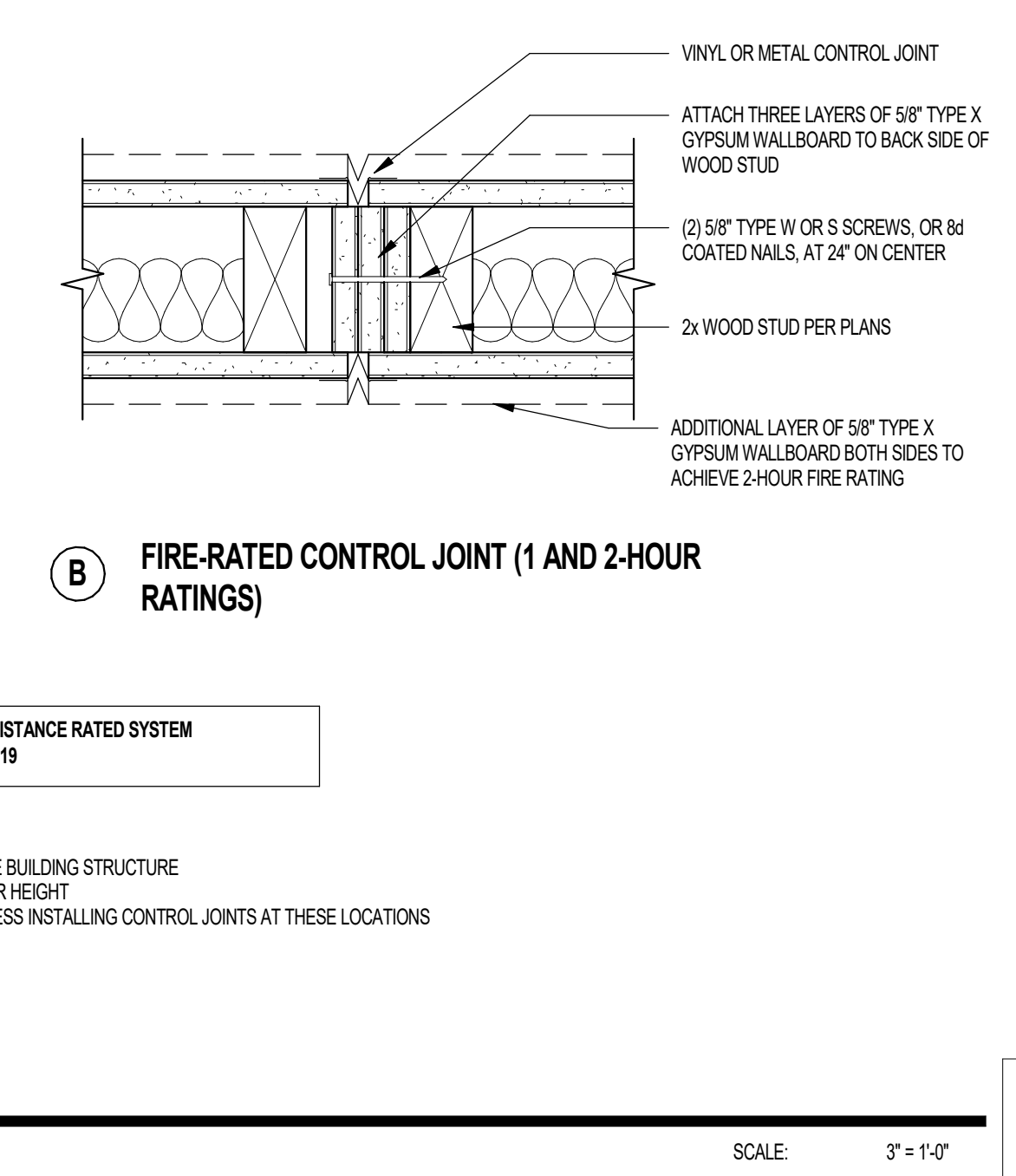
39 TYPICAL CONTROL JOINTS AT WOOD FRAMING PARTITIONS
SCALE: 3/4" = 1'-0"



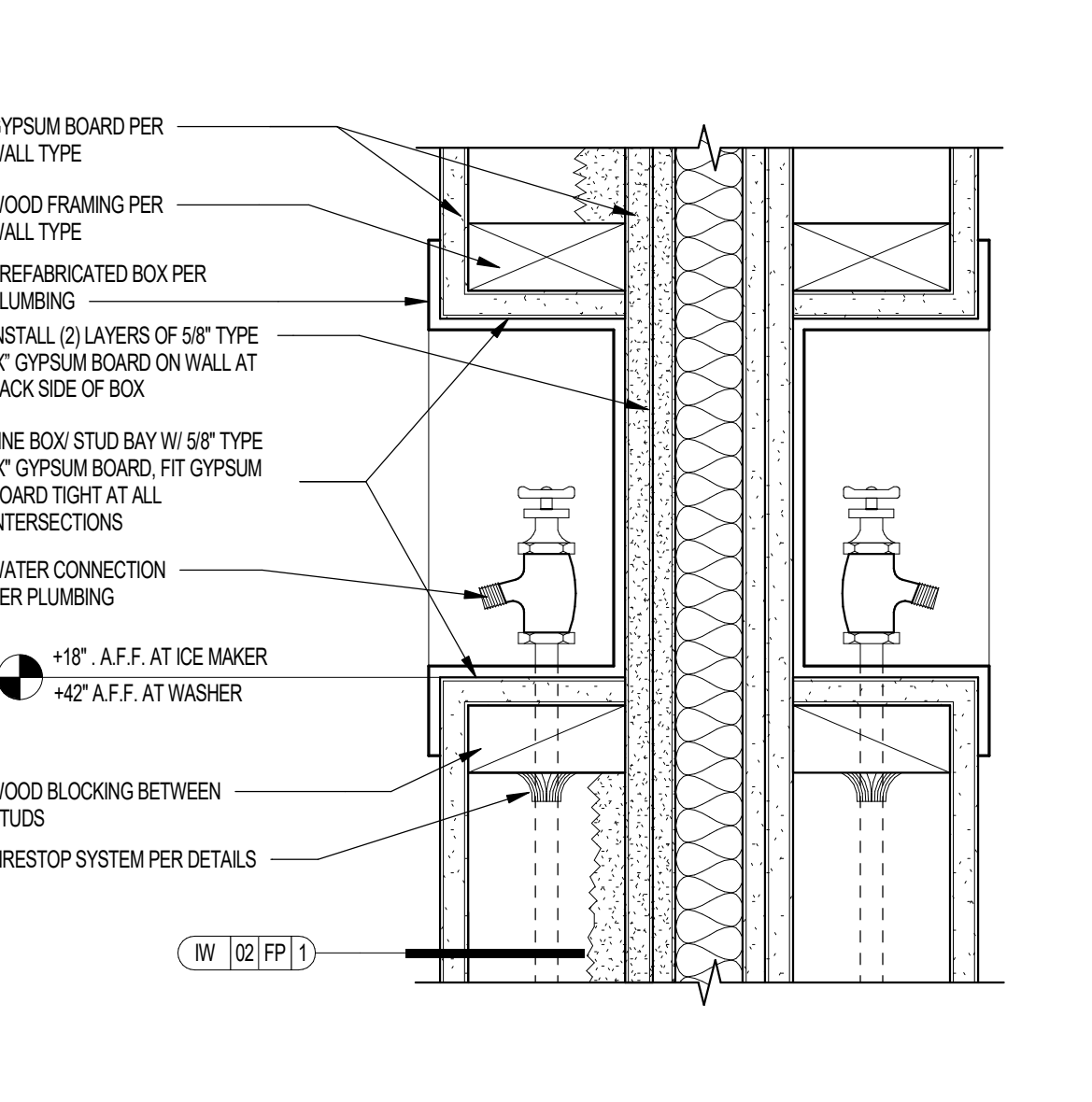
B CONTROL JOINT PARALLEL TO FRAMING WITH DIRECT ATTACHED CEILING
(UL R4024, 97NK13566, 7-29-96)



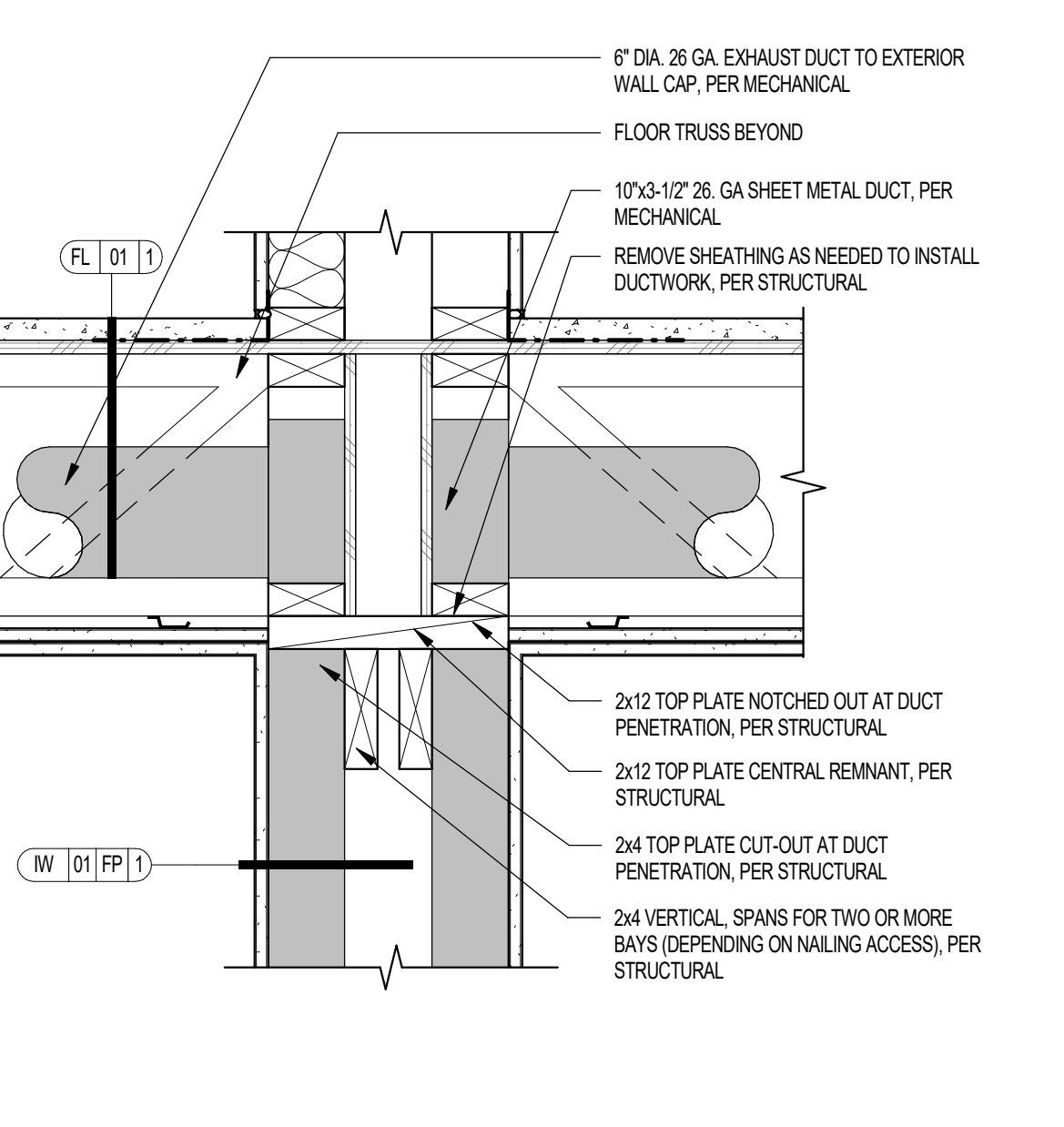
D CONTROL JOINT PERPENDICULAR TO FRAMING WITH FURRED CEILING
(UL R4024, 97NK13566, 7-29-96)



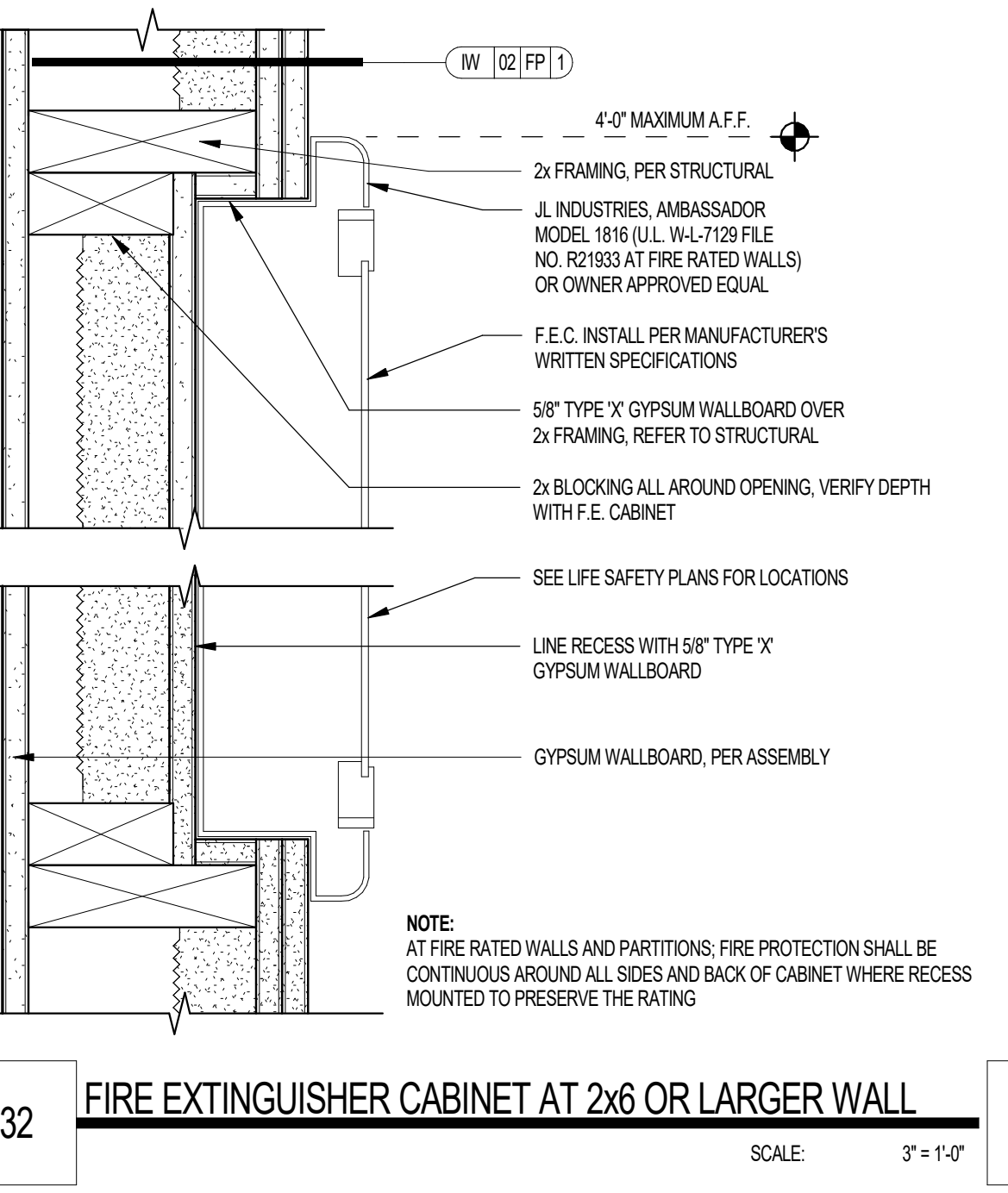
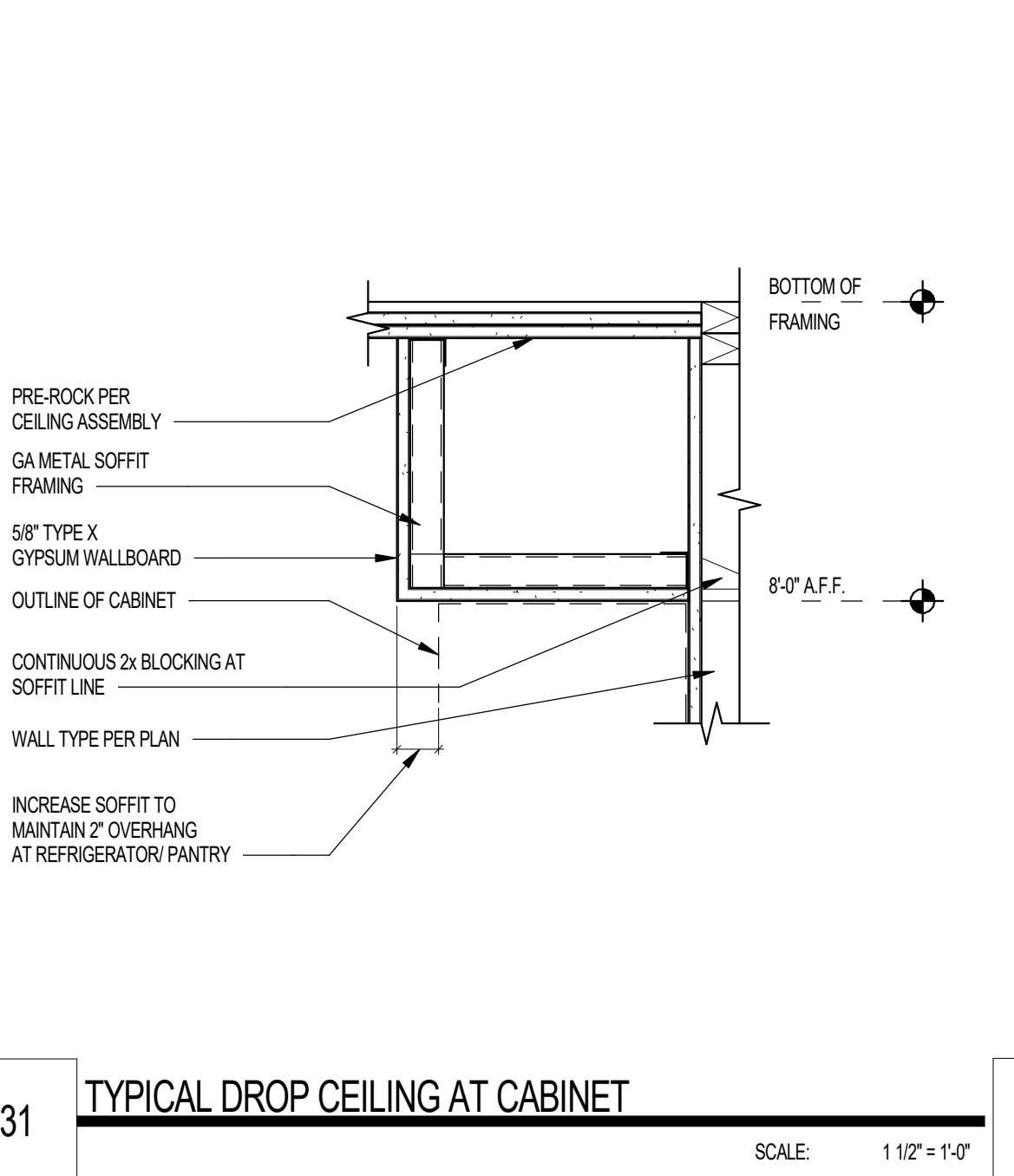
36 COUNTERTOP AT KITCHEN PONY WALL
SCALE: 1/12" = 1'-0"



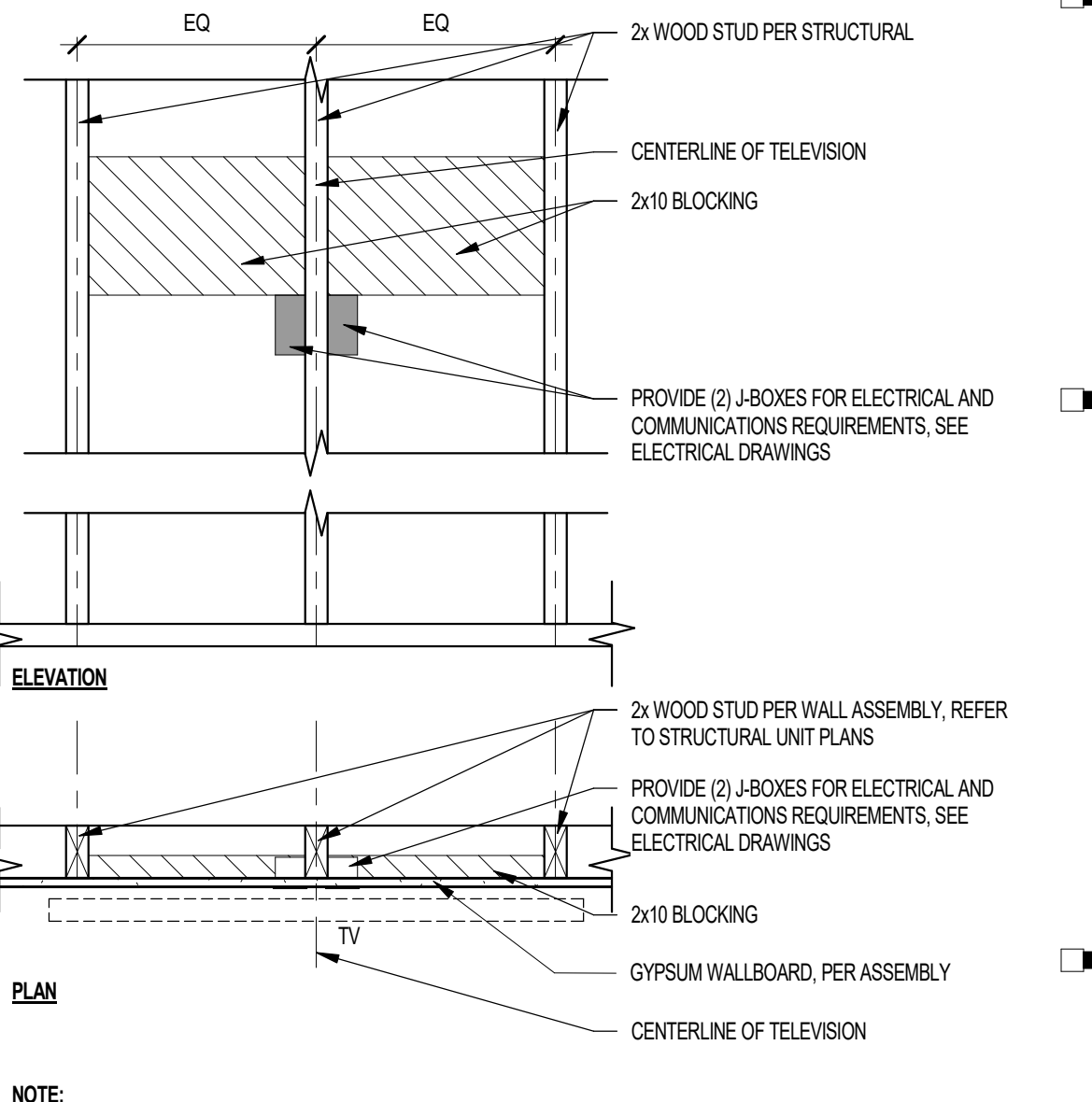
29 WATER BOX DETAIL AT UNIT SEPARATION WALLS
SCALE: 3/4" = 1'-0"



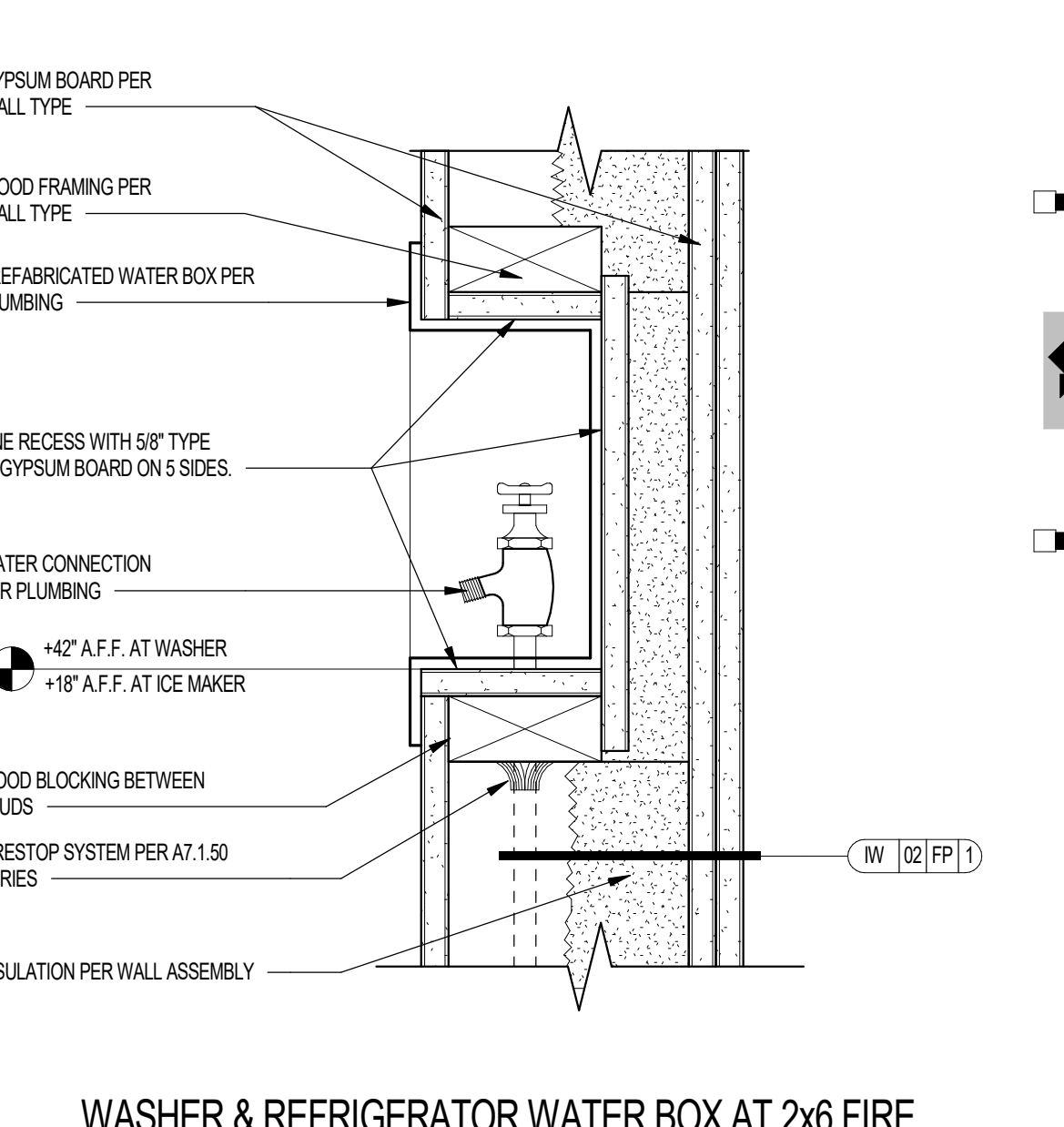
30 MICROWAVE EXHAUST DUCTWORK
SCALE: 1/12" = 1'-0"



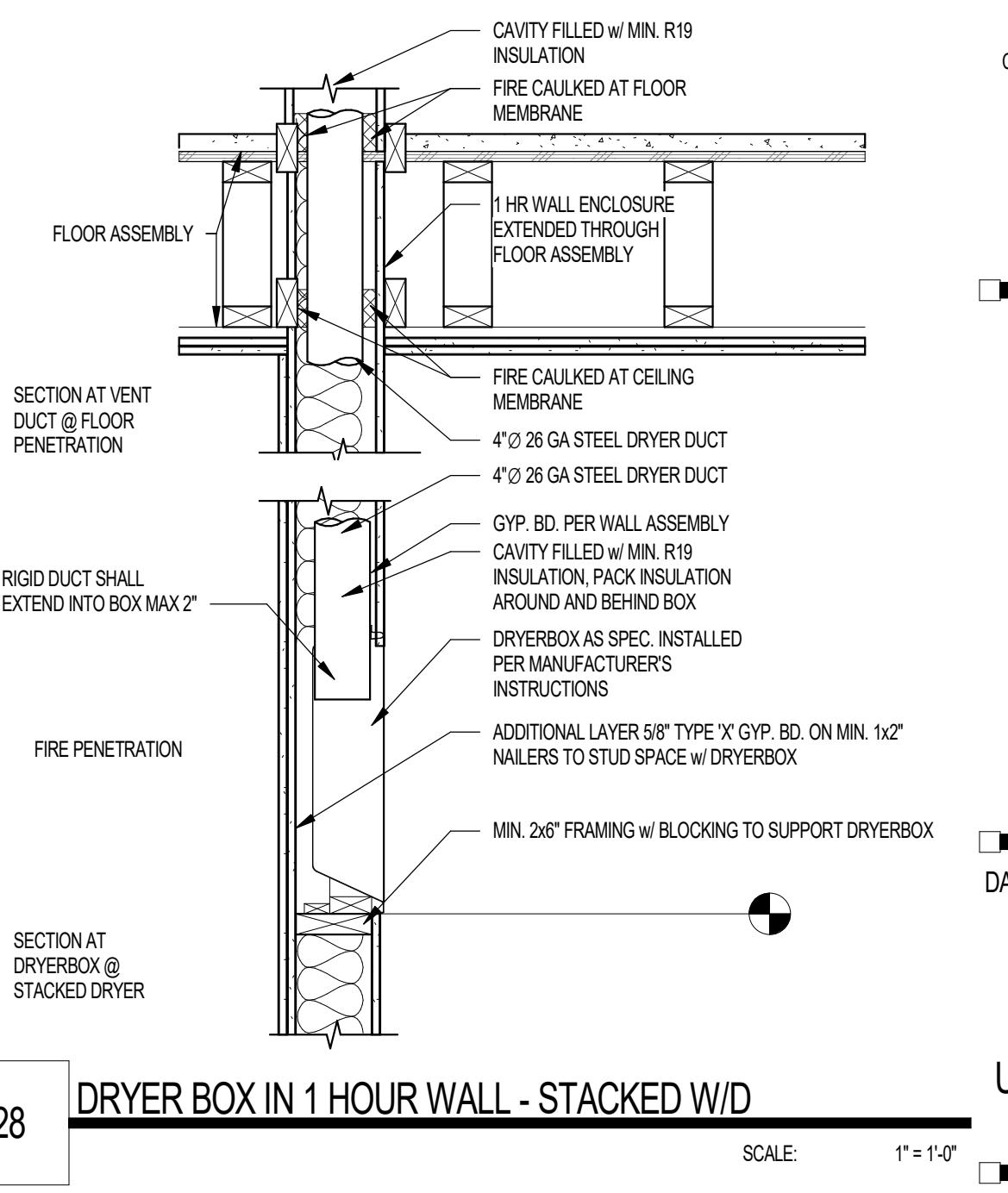
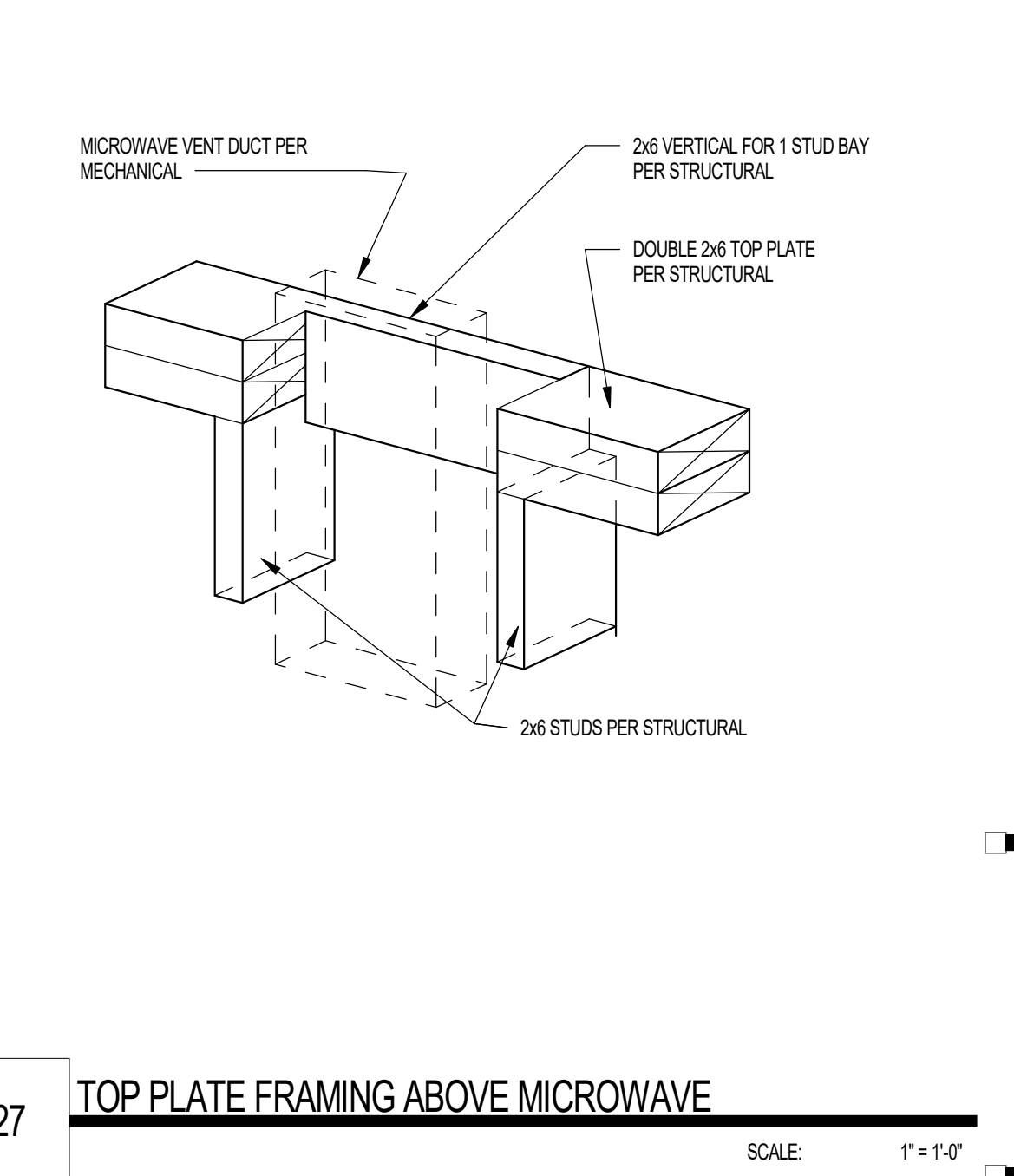
32 FIRE EXTINGUISHER CABINET AT 2x6 OR LARGER WALL
SCALE: 3/4" = 1'-0"



25 T.V. BLOCKING AND J-BOX LOCATION
SCALE: 1" = 1'-0"



26 WASHER & REFRIGERATOR WATER BOX AT 2x6 FIRE RATED WALL
SCALE: 3/4" = 1'-0"



28 DRYER BOX IN 1 HOUR WALL - STACKED W/D
SCALE: 1" = 1'-0"

Project Name 1
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Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the submission of billing or advances in billing under the following conditions:
1. The contractor shall submit a written request for an advance or alternate billing schedule after certification and approval of billing and contract. A written notification of such advance billing cycle applies to the project as a whole from the date of the contractor's request.
CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design and agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are the property of the Architect and shall remain the property of the Architect. These drawings and specifications shall not be used for any other project, in whole or in part, without the written consent of the Architect.
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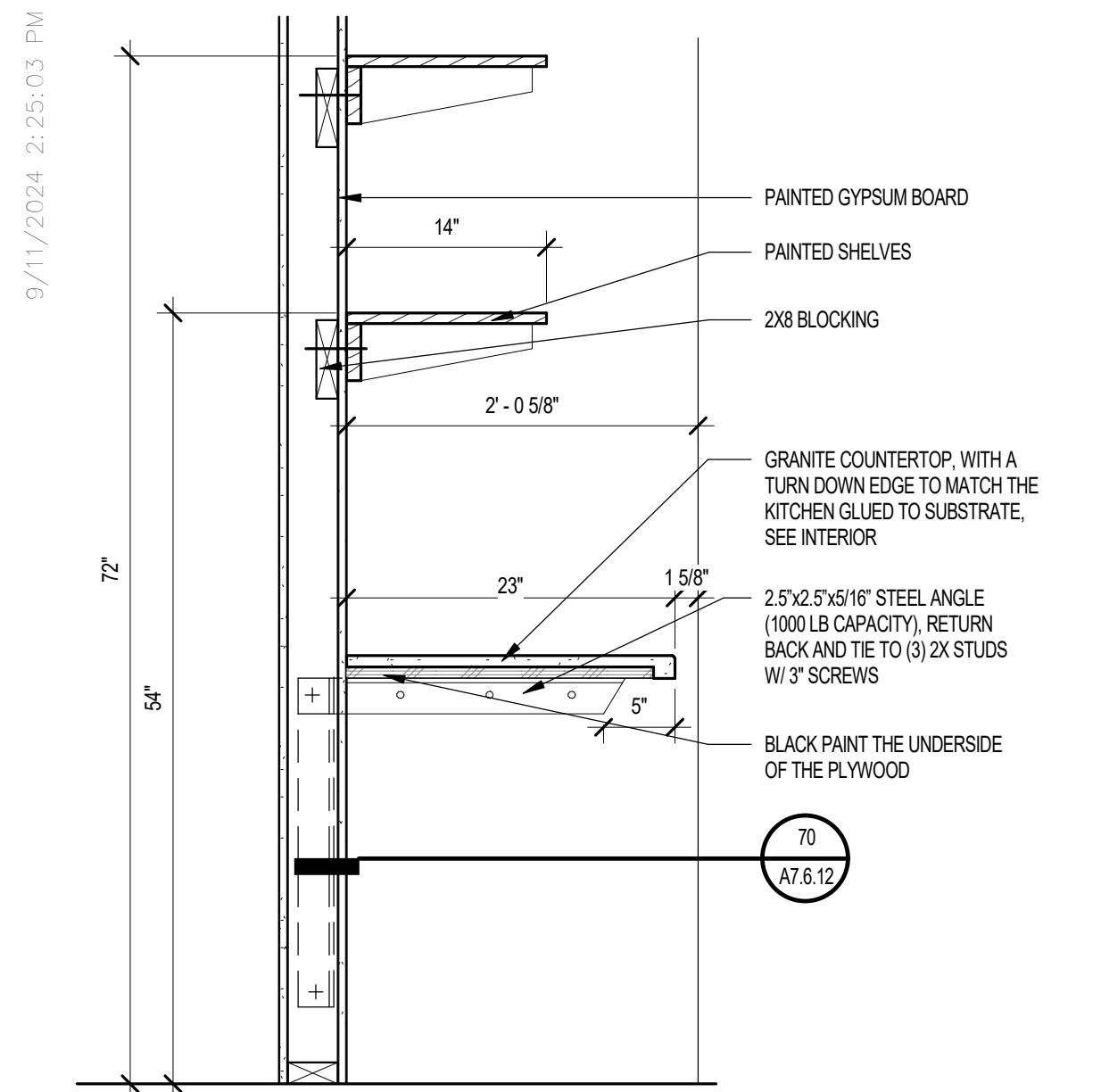
REVISIONS/SUBMITTALS

DATE	DESCRIPTION
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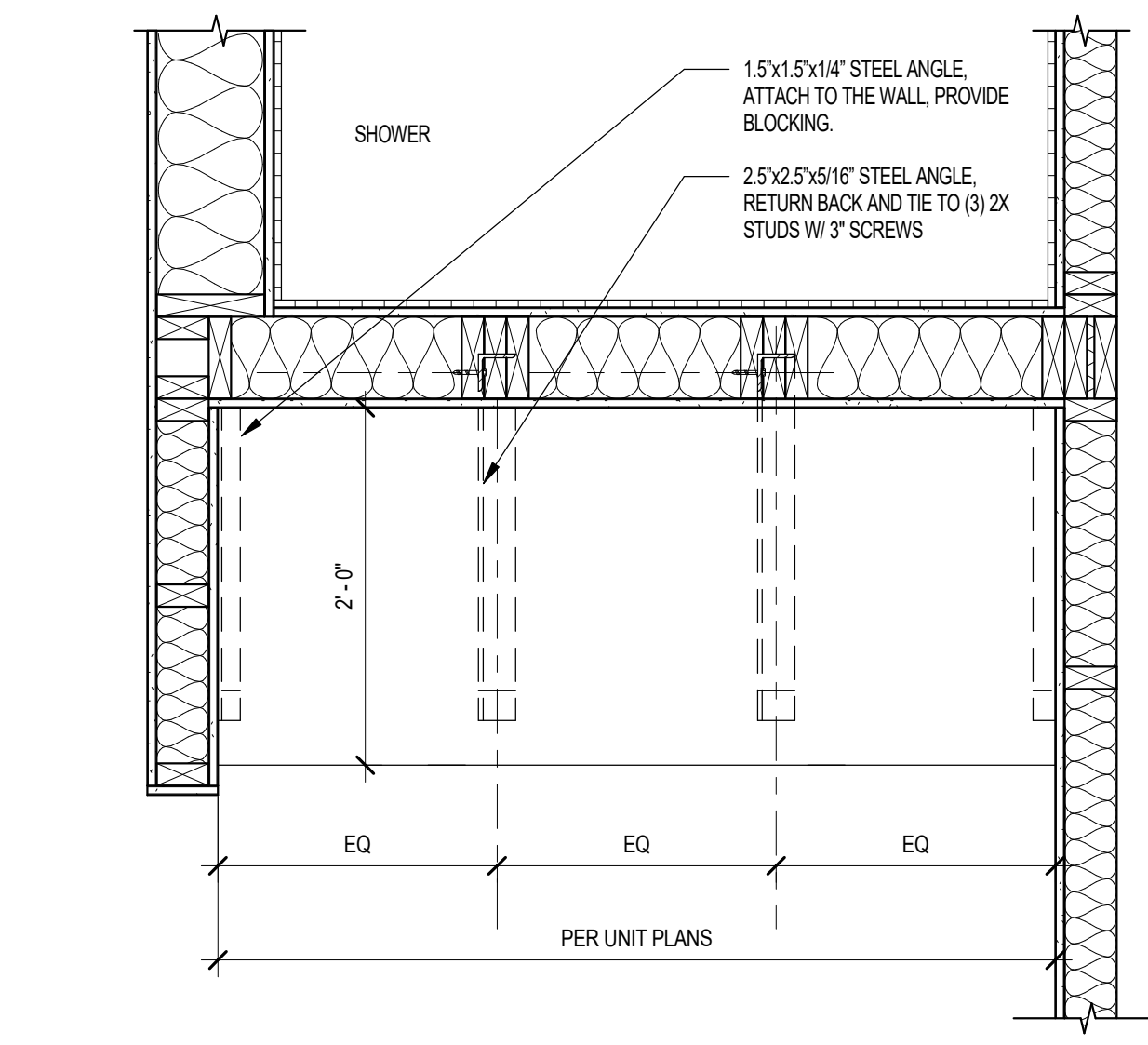
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.6.11
UNIT & CORRIDOR DETAILS WOOD FRAMING

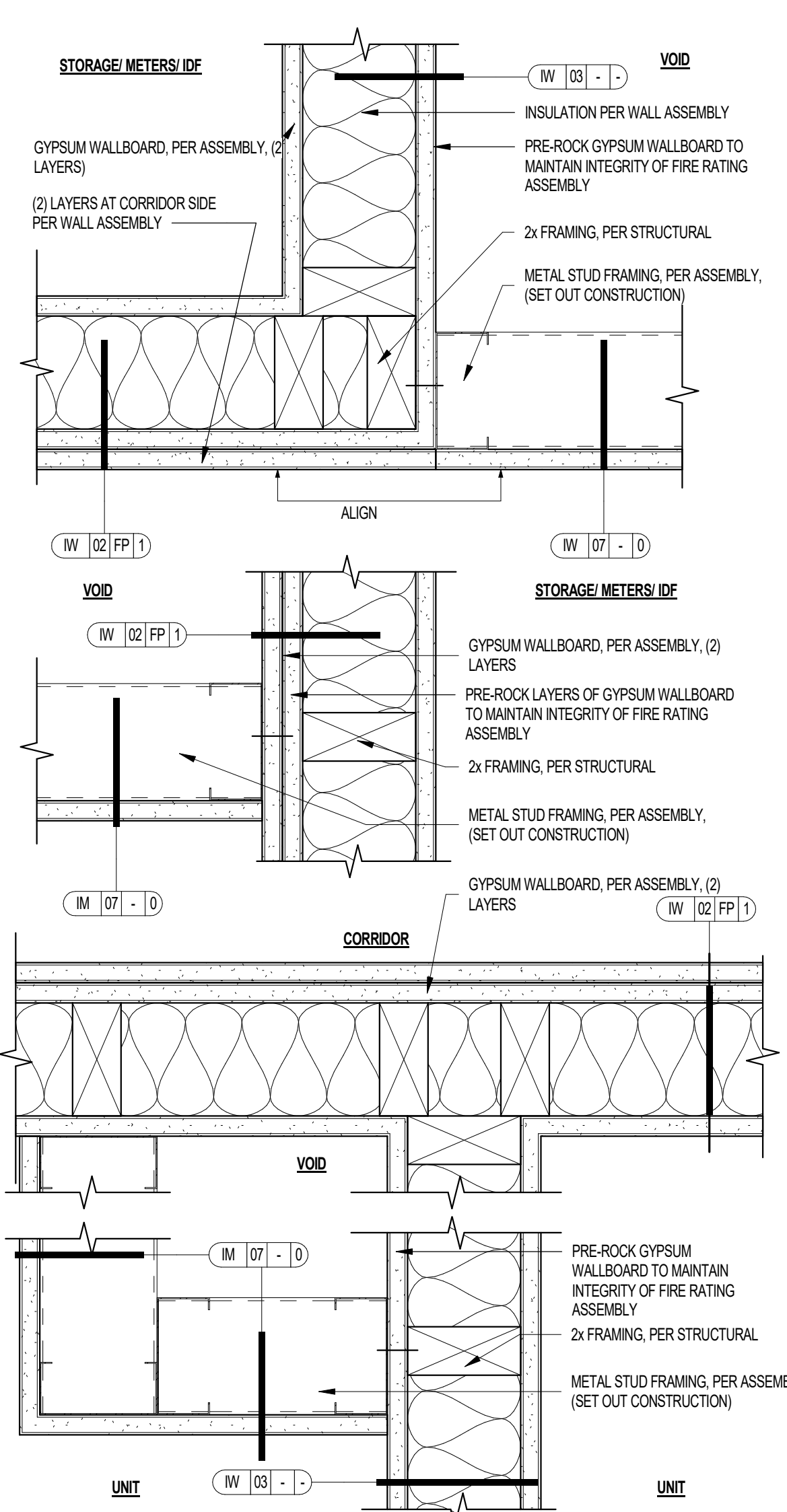
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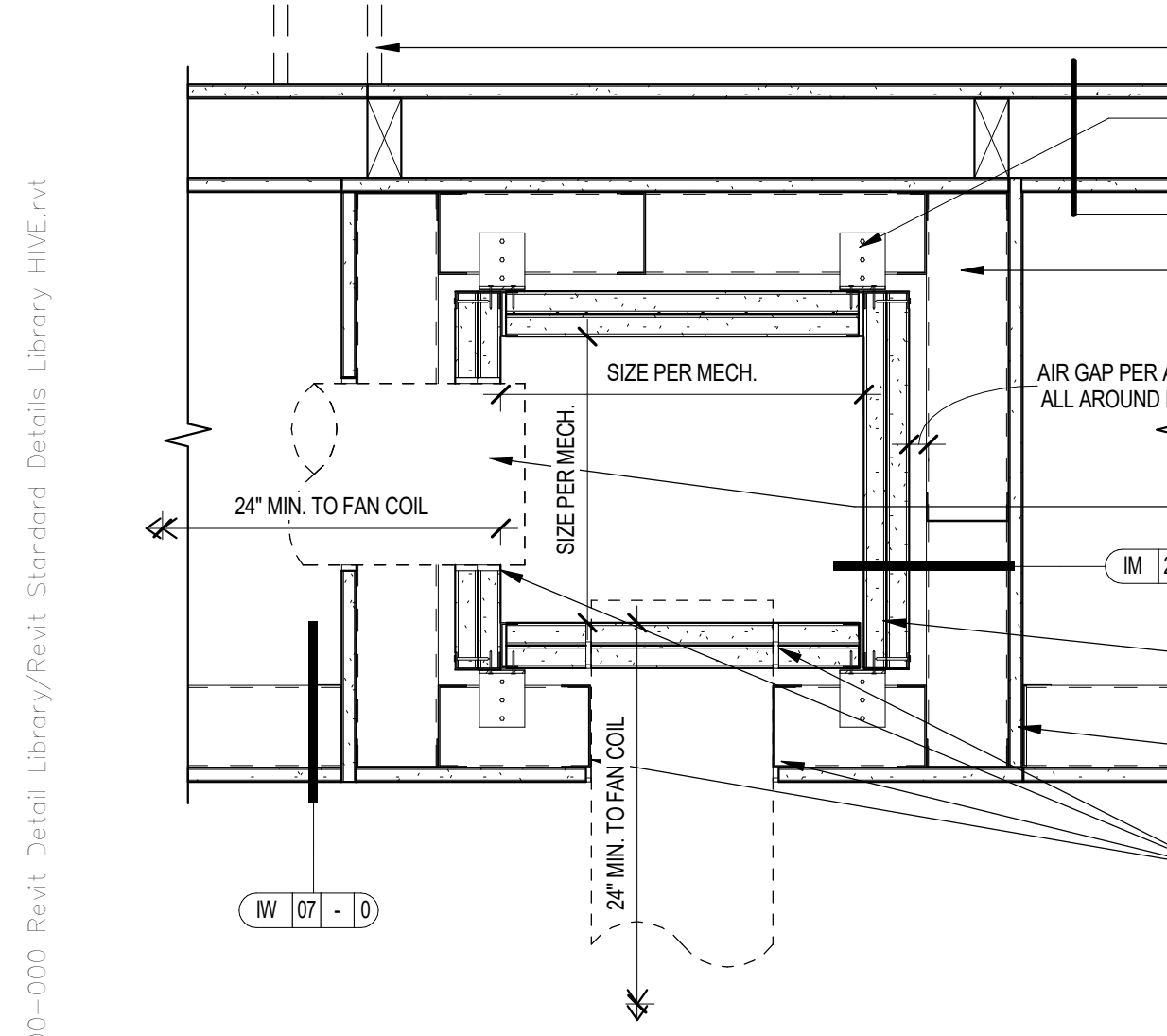
69 DESK NOOK SECTION SCALE: 1" = 1'-0"



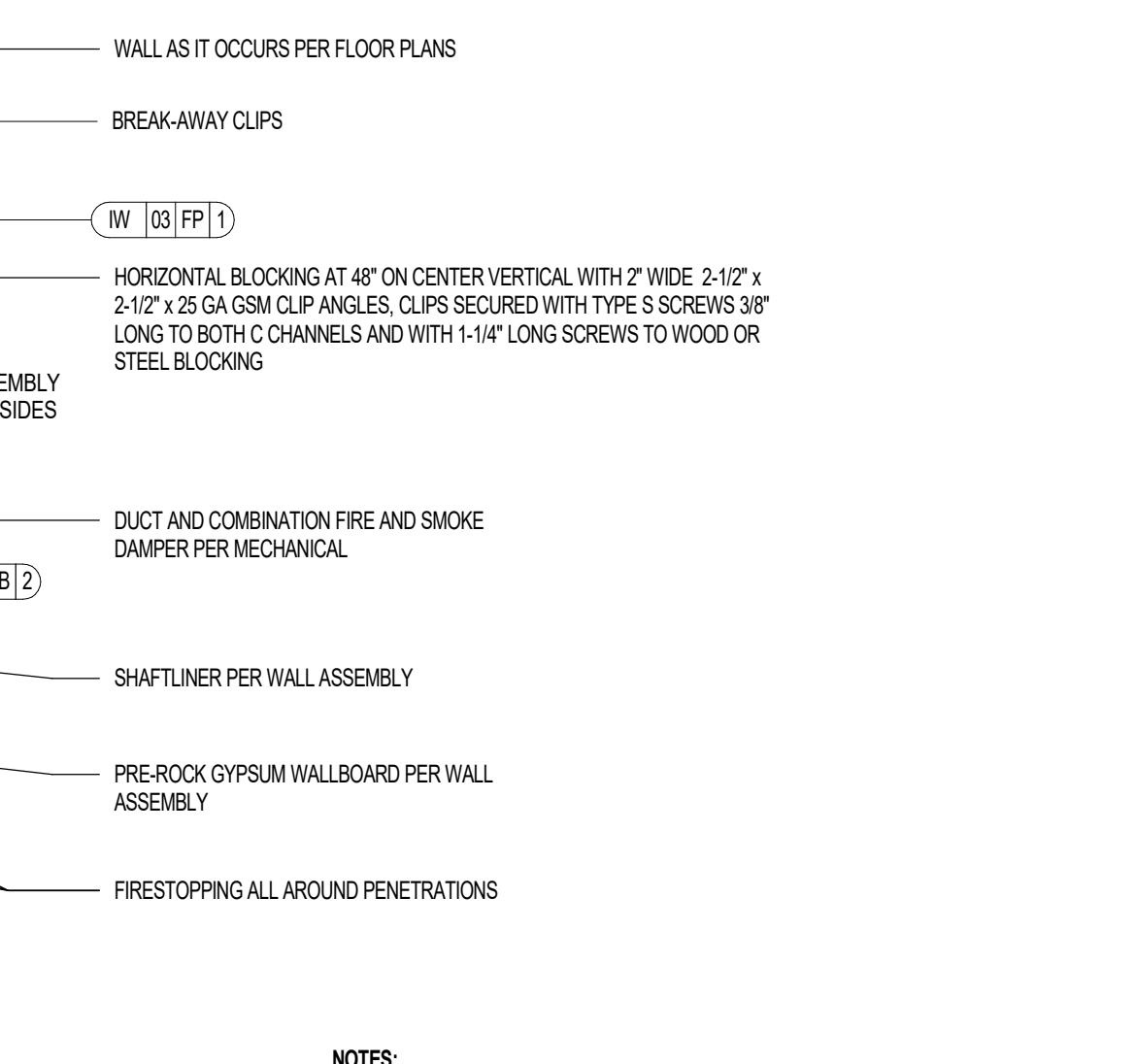
70 DESK NOOK - PLAN SCALE: 1" = 1'-0"



67 SET OUT CONSTRUCTION WALL TRANSITION TO WOOD FRAMING - PLAN VIEW SCALE: 3" = 1'-0"

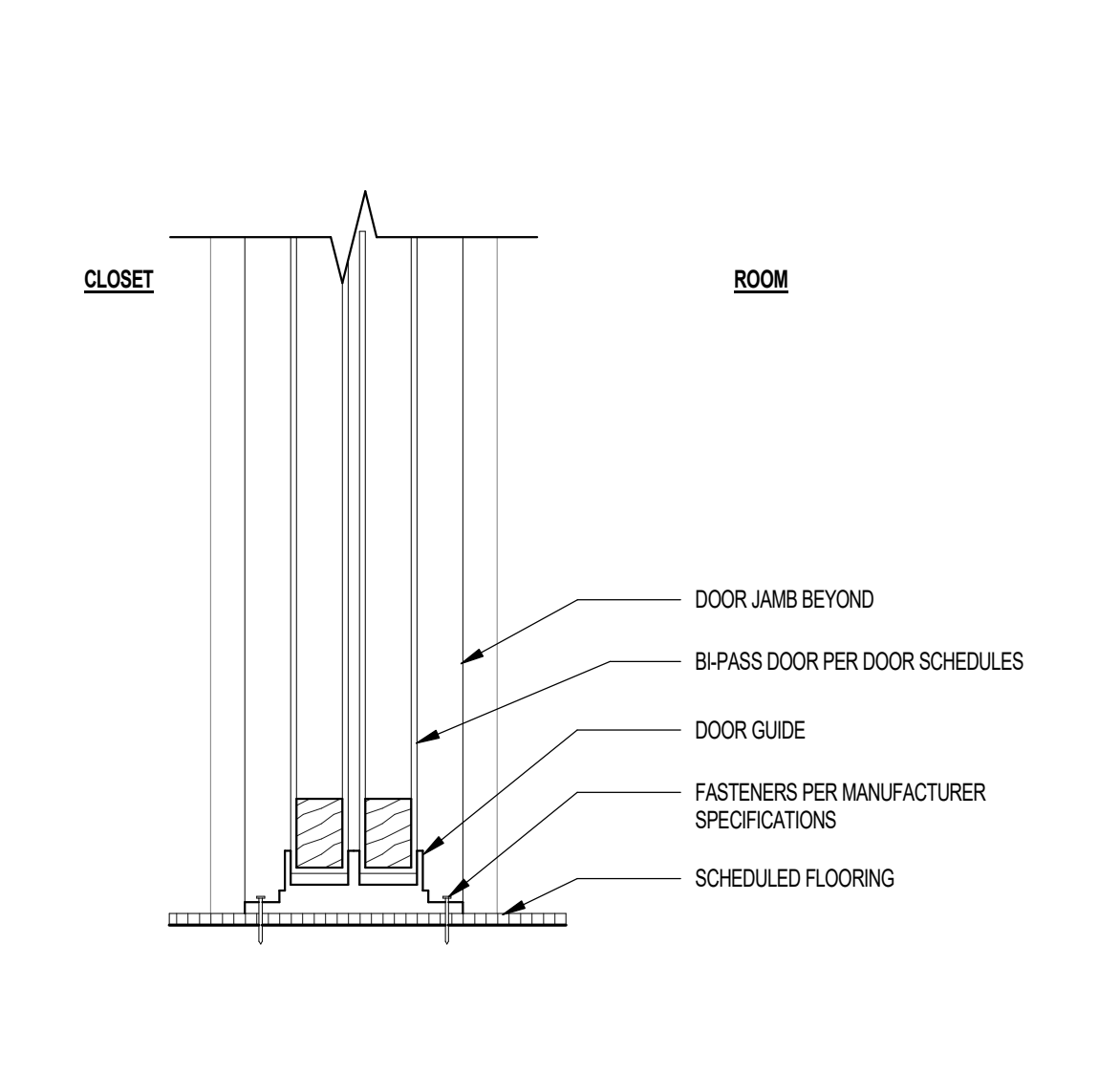


72 CORRIDOR 2-HR FRESH AIR SHAFT SCALE: 1/12" = 1'-0"

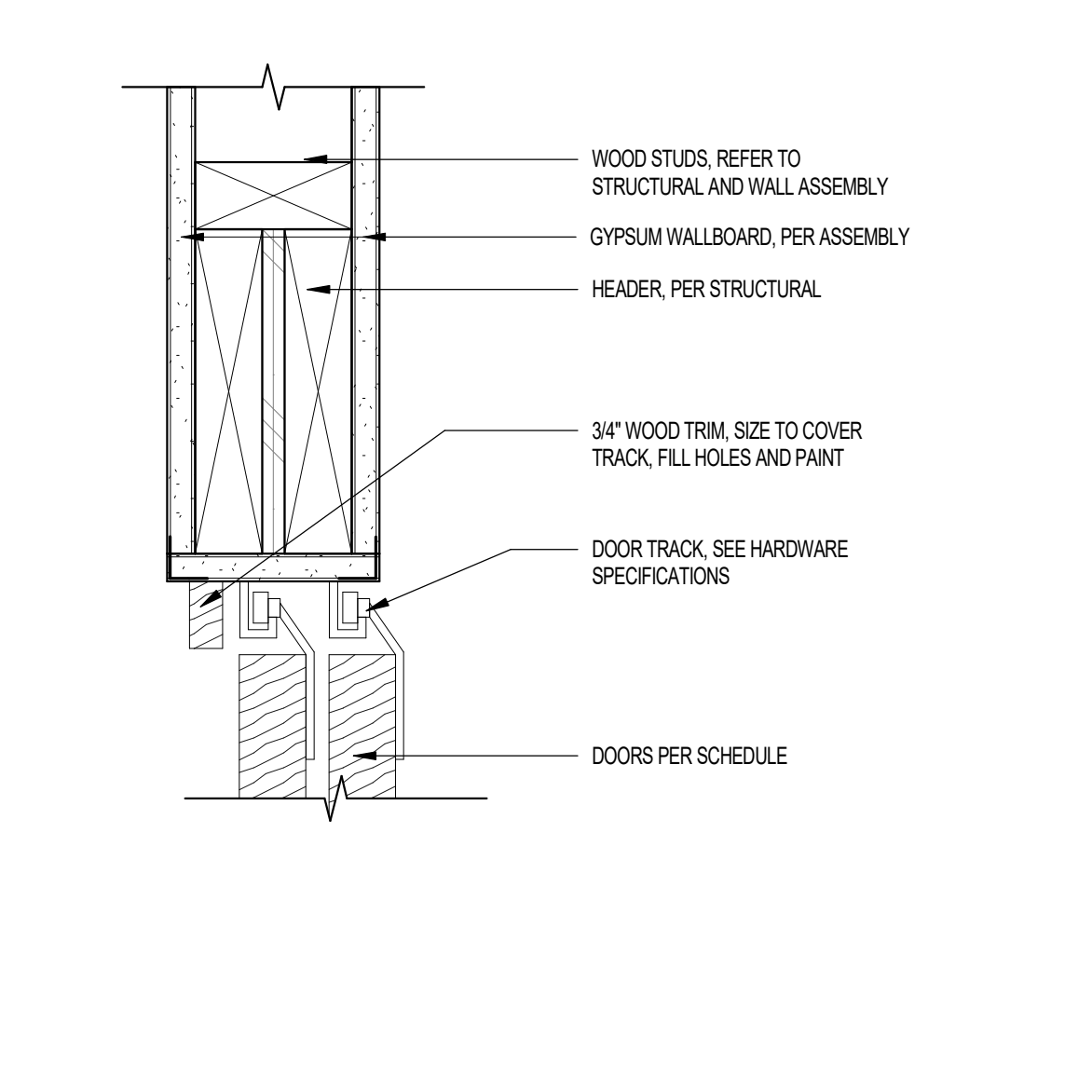


64 UNIT BASEBOARD & SHOE SCALE: 0" = 1'-0"

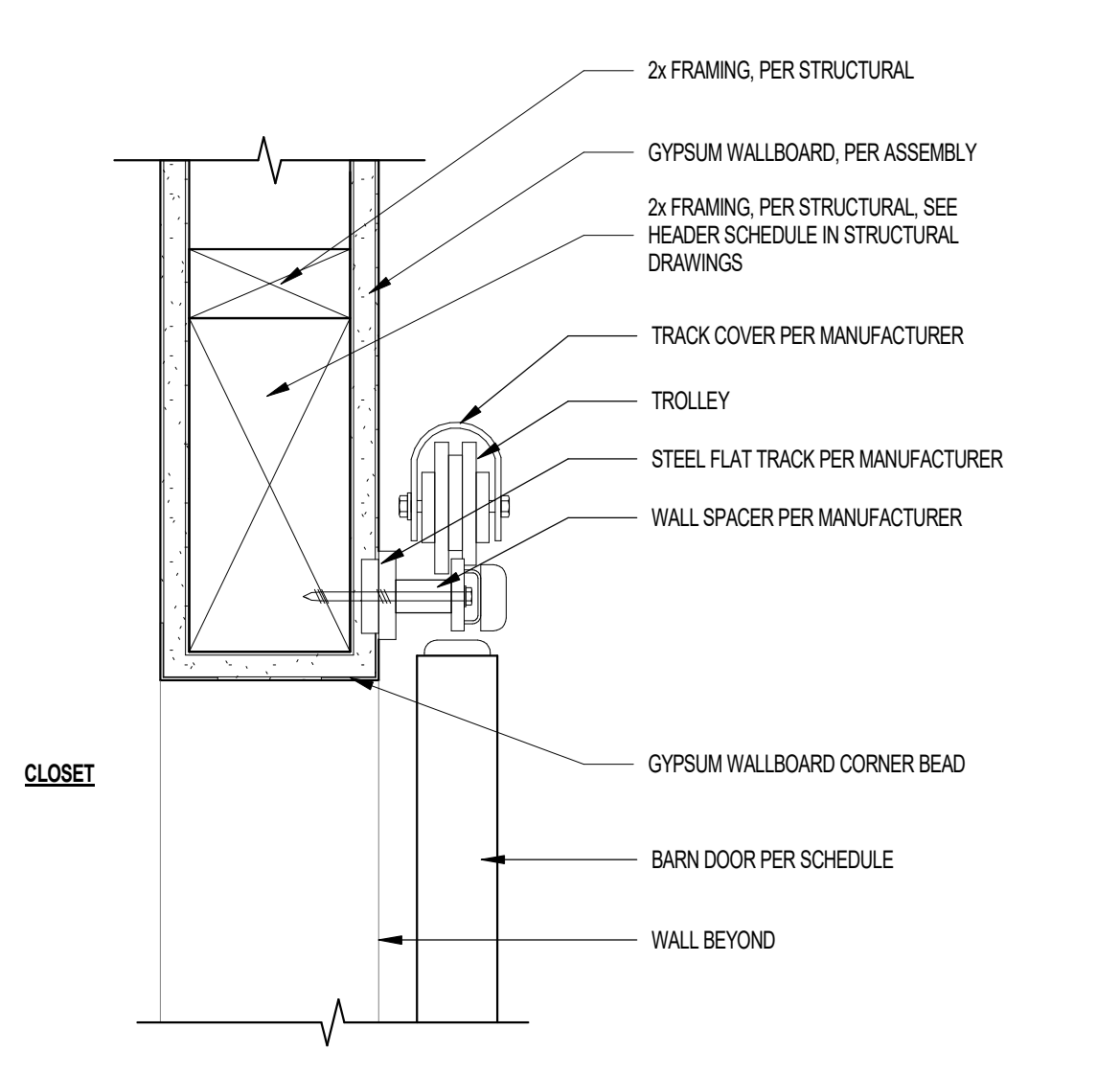
NOTES:
 1. ALL JOINTS SHALL BE SEALED TO MAKE SHAFT AIR TIGHT
 2. REFER TO PLAN FOR SHAFT CONFIGURATION AND ADJACENT WALLS
 3. ADD ADDITIONAL LAYER OF 5/8\"/>



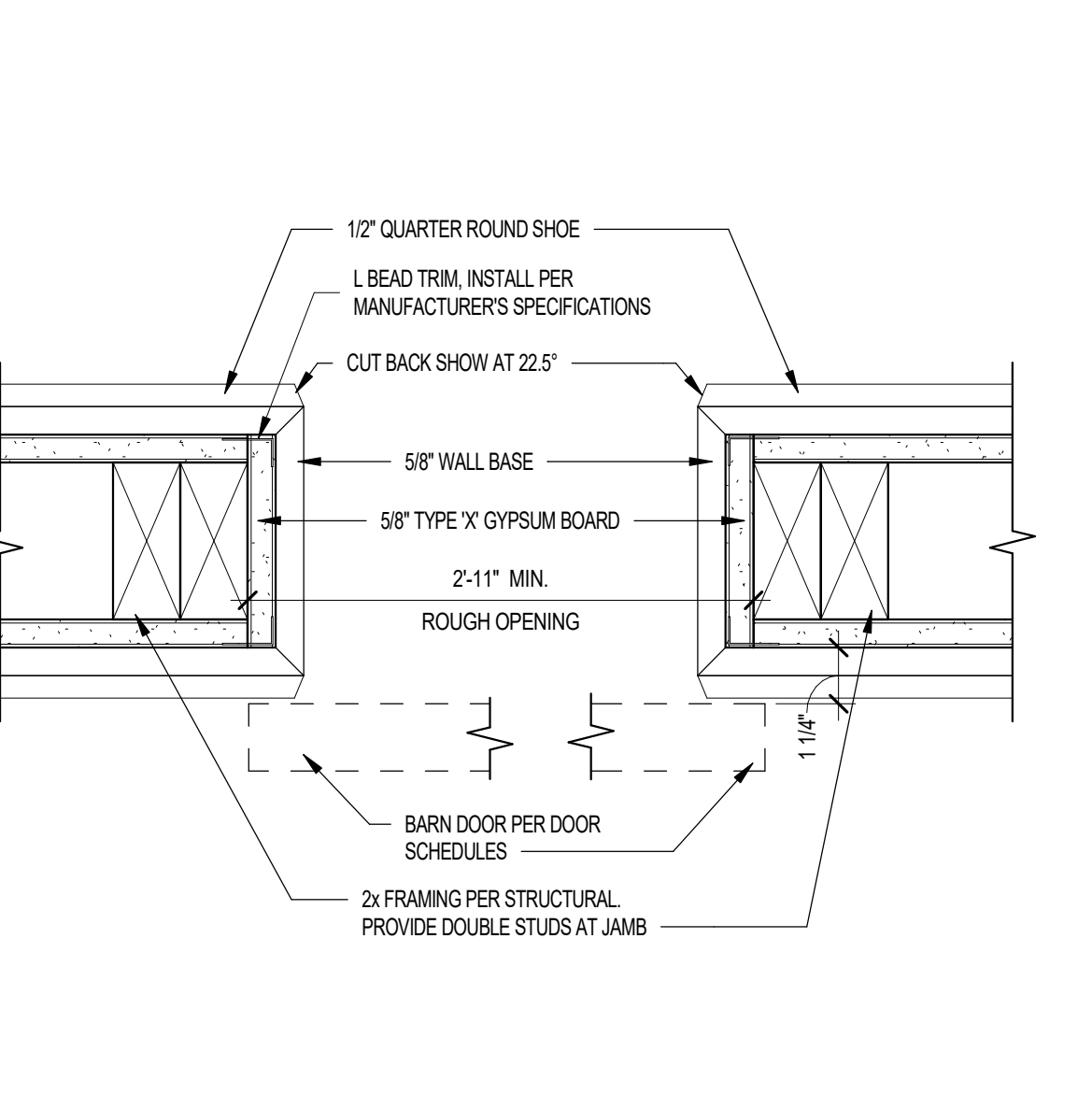
58 BI-PASS DOOR SILL SCALE: 3" = 1'-0"



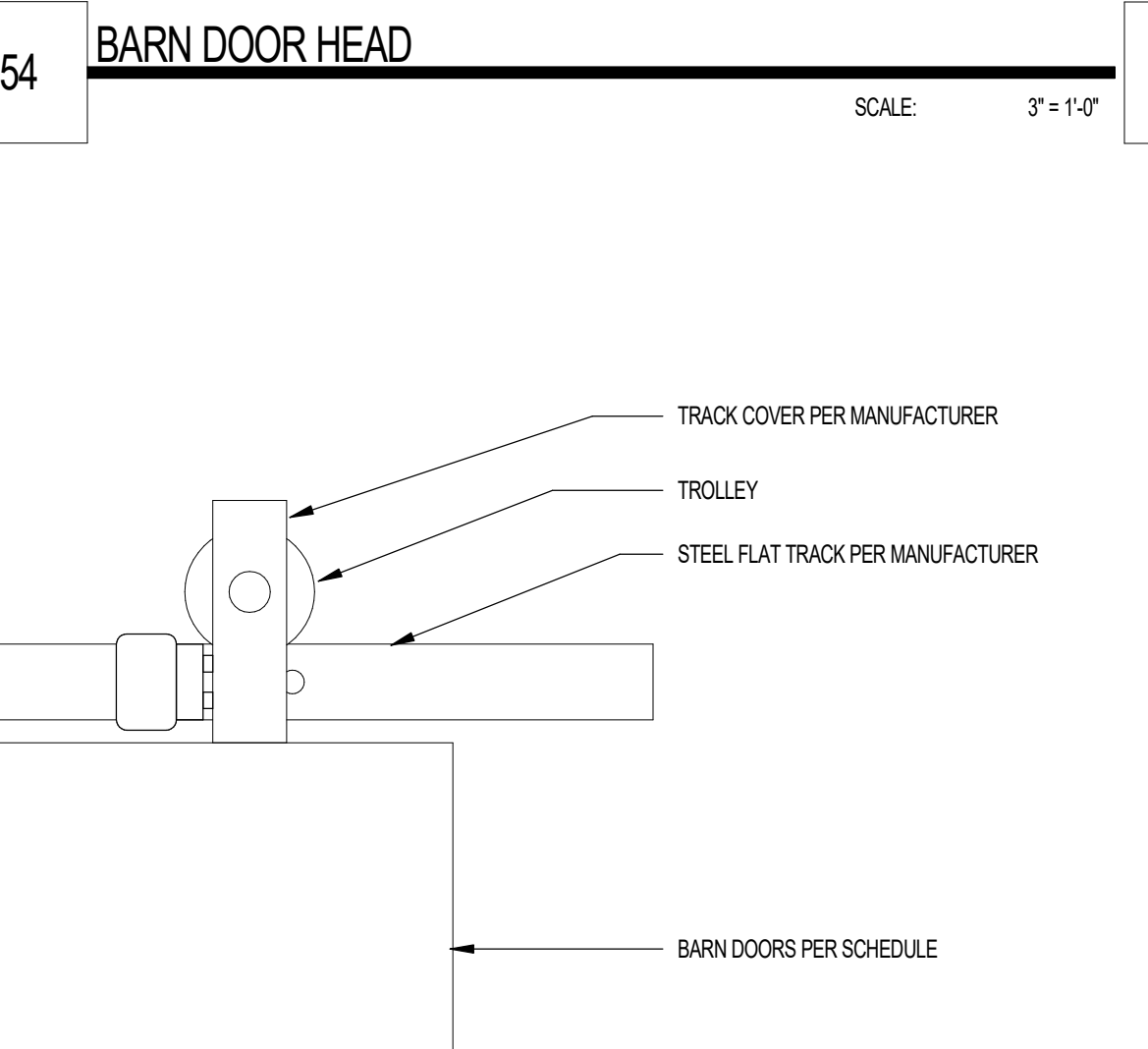
57 BI-PASS DOOR HEAD SCALE: 3" = 1'-0"



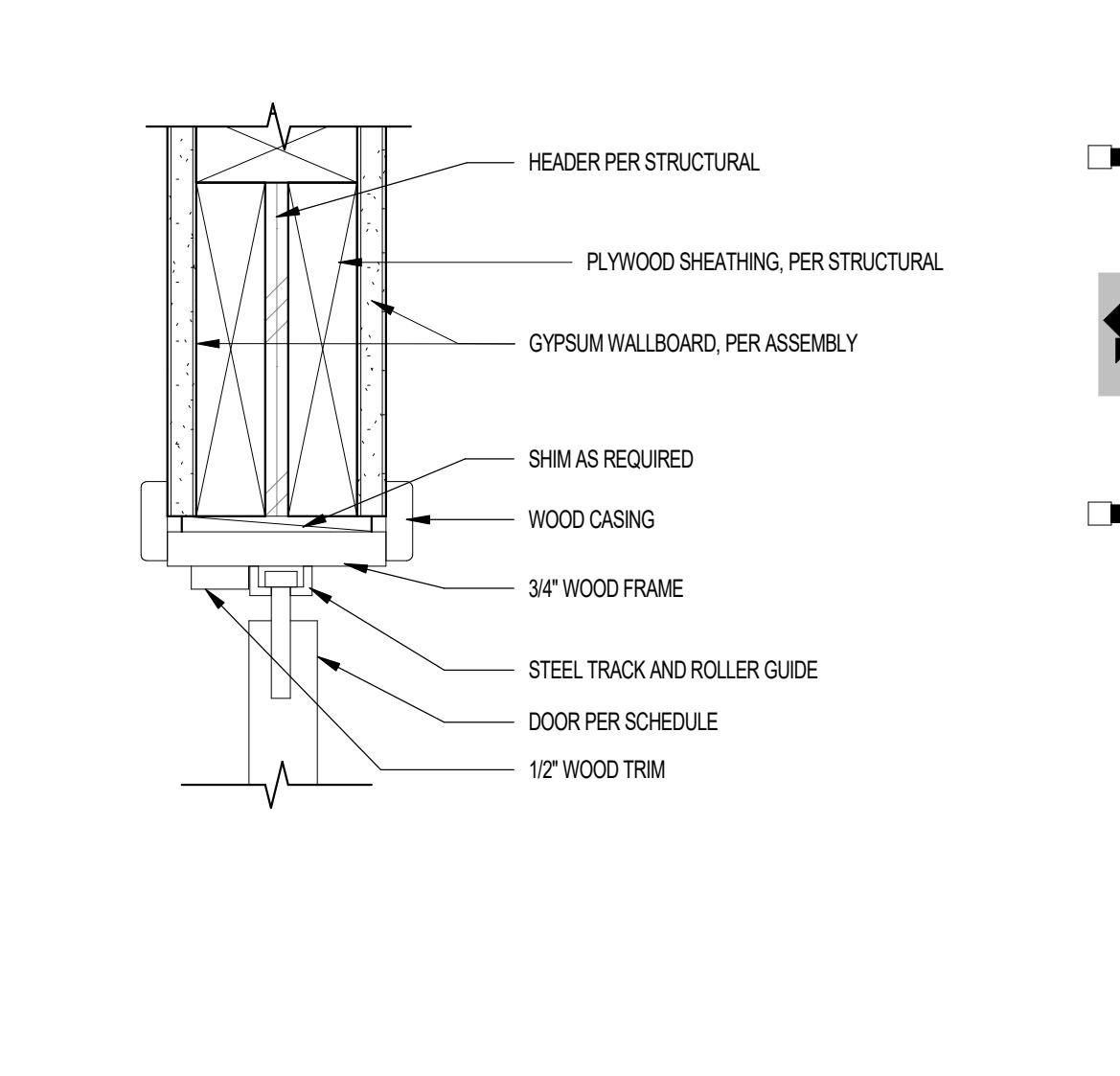
54 BARN DOOR HEAD SCALE: 3" = 1'-0"



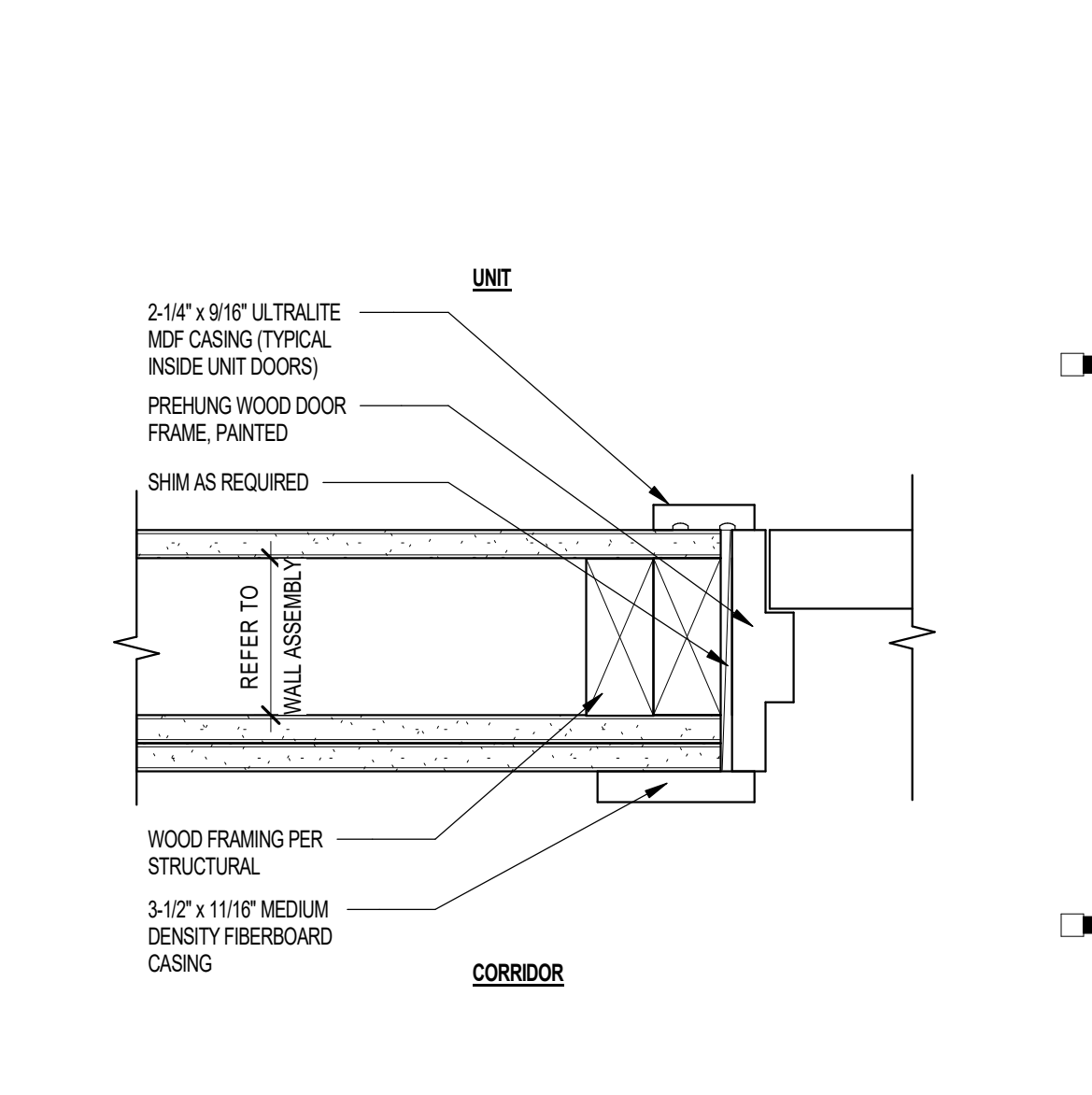
53 BARN DOOR JAMB SCALE: 3" = 1'-0"



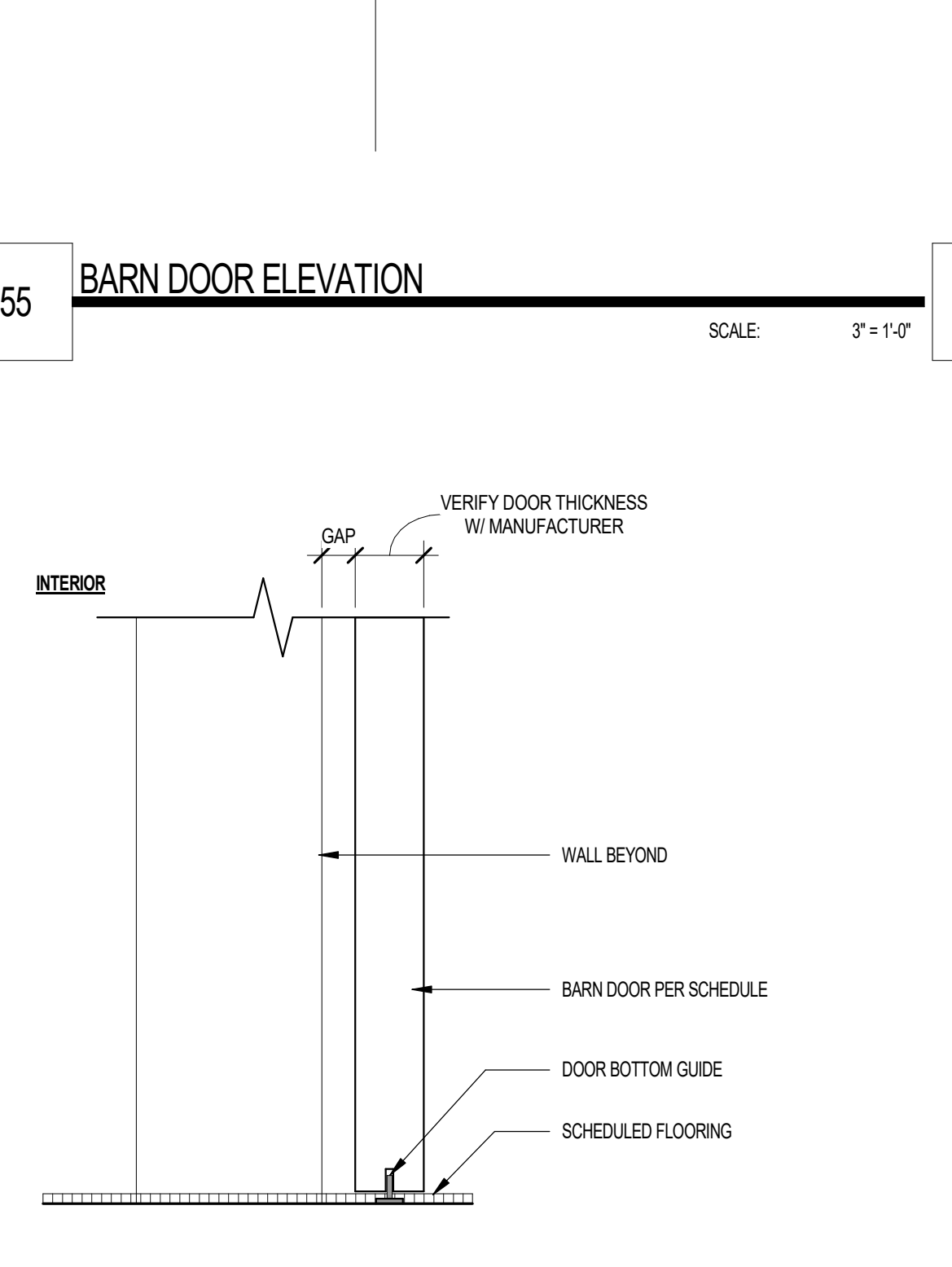
55 BARN DOOR ELEVATION SCALE: 3" = 1'-0"



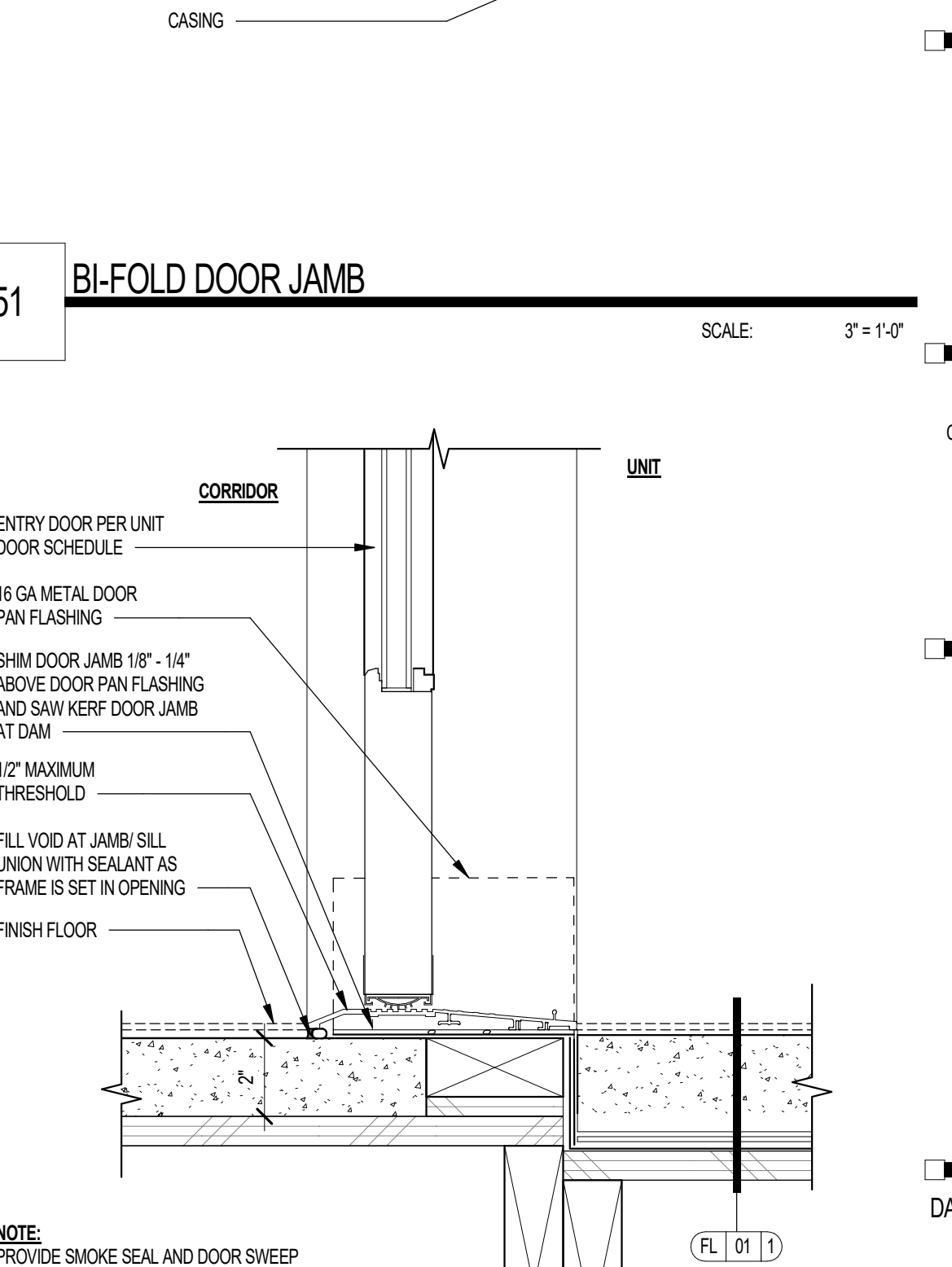
50 BI-FOLD DOOR HEAD SCALE: 3" = 1'-0"



49 UNIT ENTRY DOOR CASING SCALE: 3" = 1'-0"



60 DOOR SILL ABOVE GRILLE AT MECH. CLOSET SCALE: 3" = 1'-0"



52 ENTRY DOOR THRESHOLD AT WOOD FRAMING SCALE: 3" = 1'-0"

NOTE:
 PROVIDE SMOKE SEAL AND DOOR SWEEP

Project Name 1
 Project Name 2
 Street Address
 City, State
 Office of Rich Barber
ORB
 Architecture, LLC
 WorldHQ@ORBArch.com

PRELIMINARY
 NOT FOR
 CONSTRUCTION



Notice of alternate billing (or payment) cycle
 This contract allows the contractor to request the admission of billing or advance in billing upon written request. This contract shall be subject to the terms, conditions and specifications set forth in the contract documents. A written description of such alternate billing cycle shall be provided to the owner or the owner's representative at the time of the request.

CLIENT NAME
 CLIENT ADDRESS
 CLIENT PHONE NUMBER
 and the owner or its designated agent shall provide the written description on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings and specifications shall be used for any other project, in whole or in part, without the written consent of the Architect.

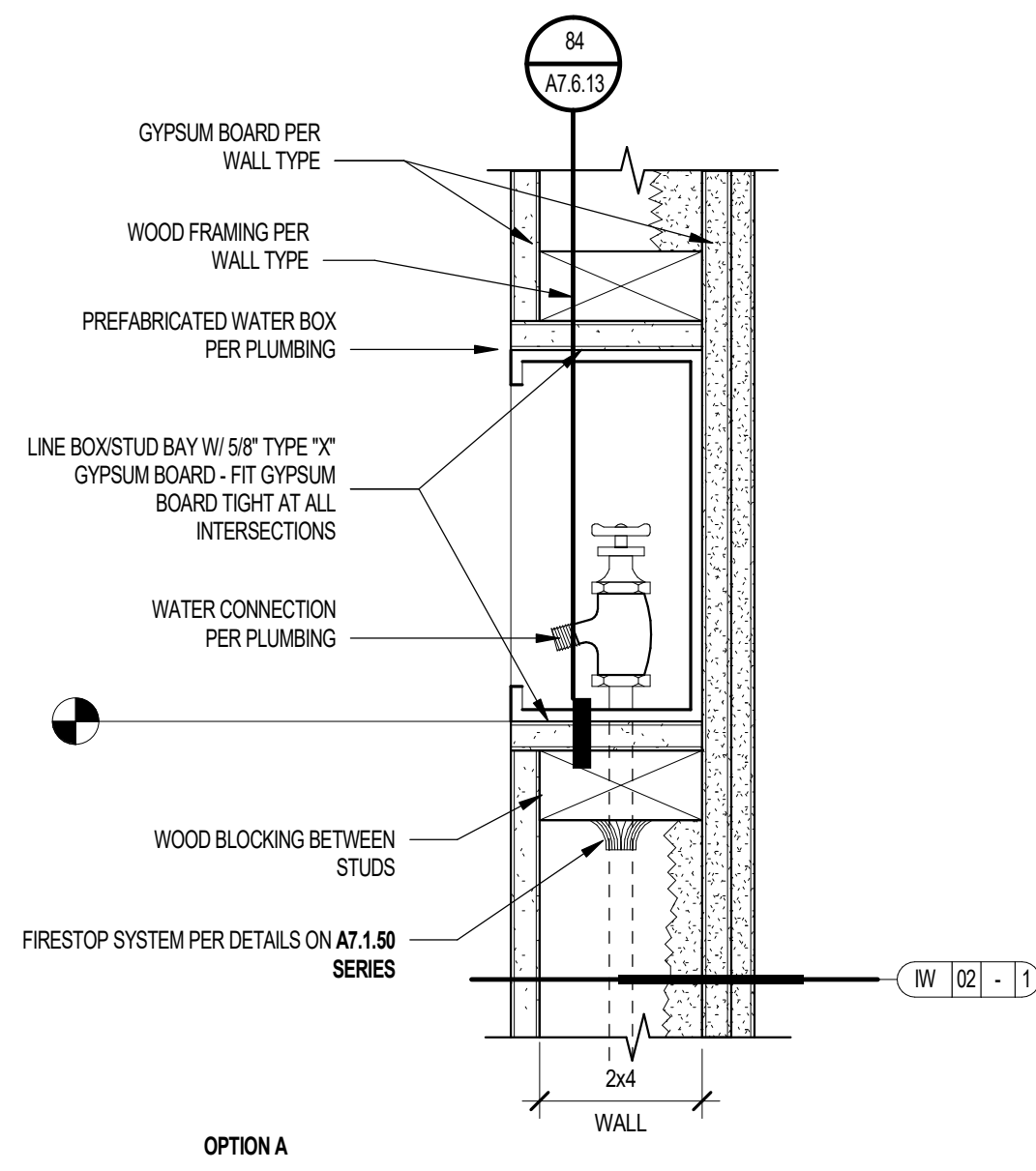
REVISIONS/SUBMITTALS

DATE	DESCRIPTION

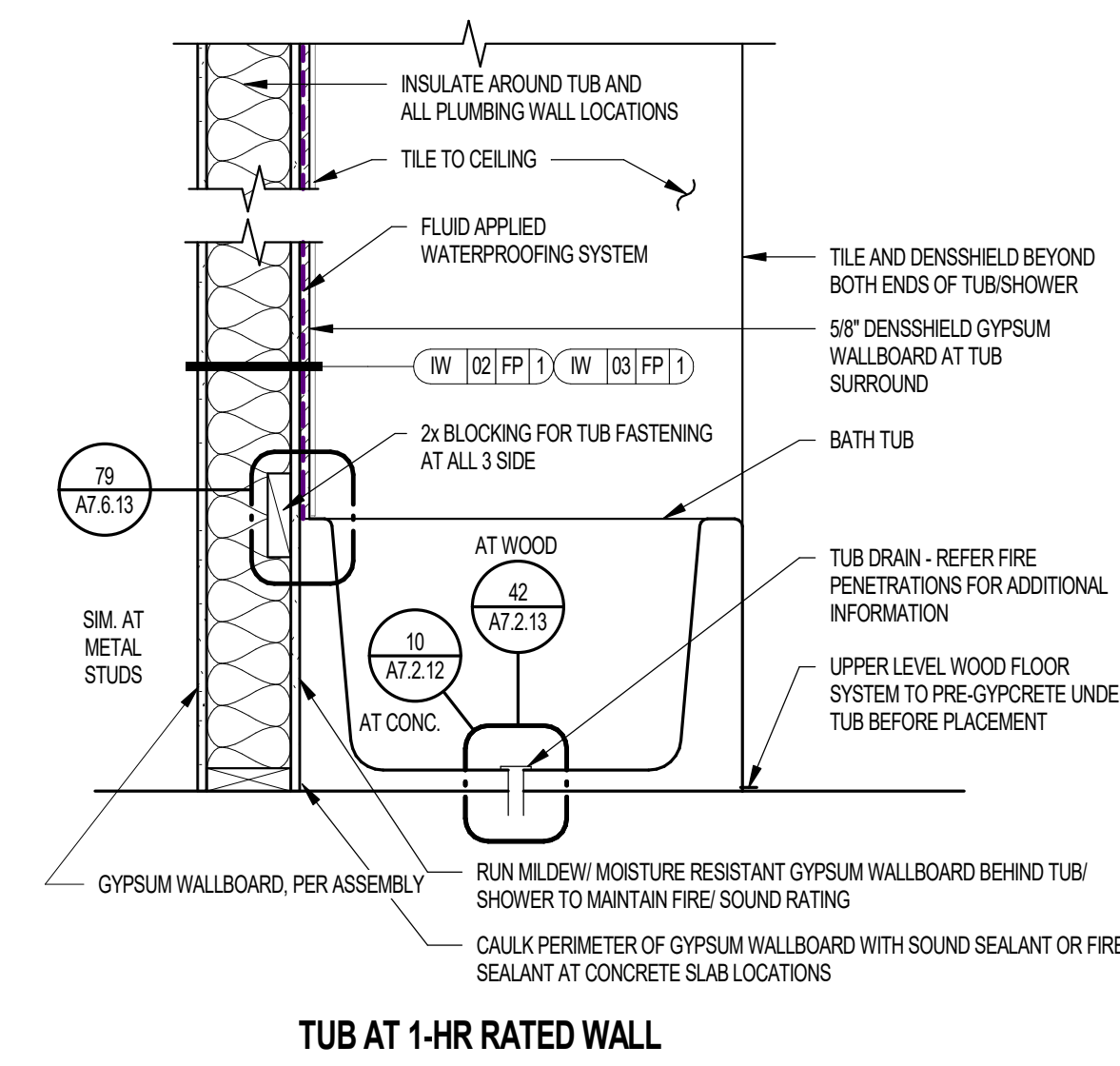
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.6.12
 UNIT & CORRIDOR DETAILS WOOD FRAMING

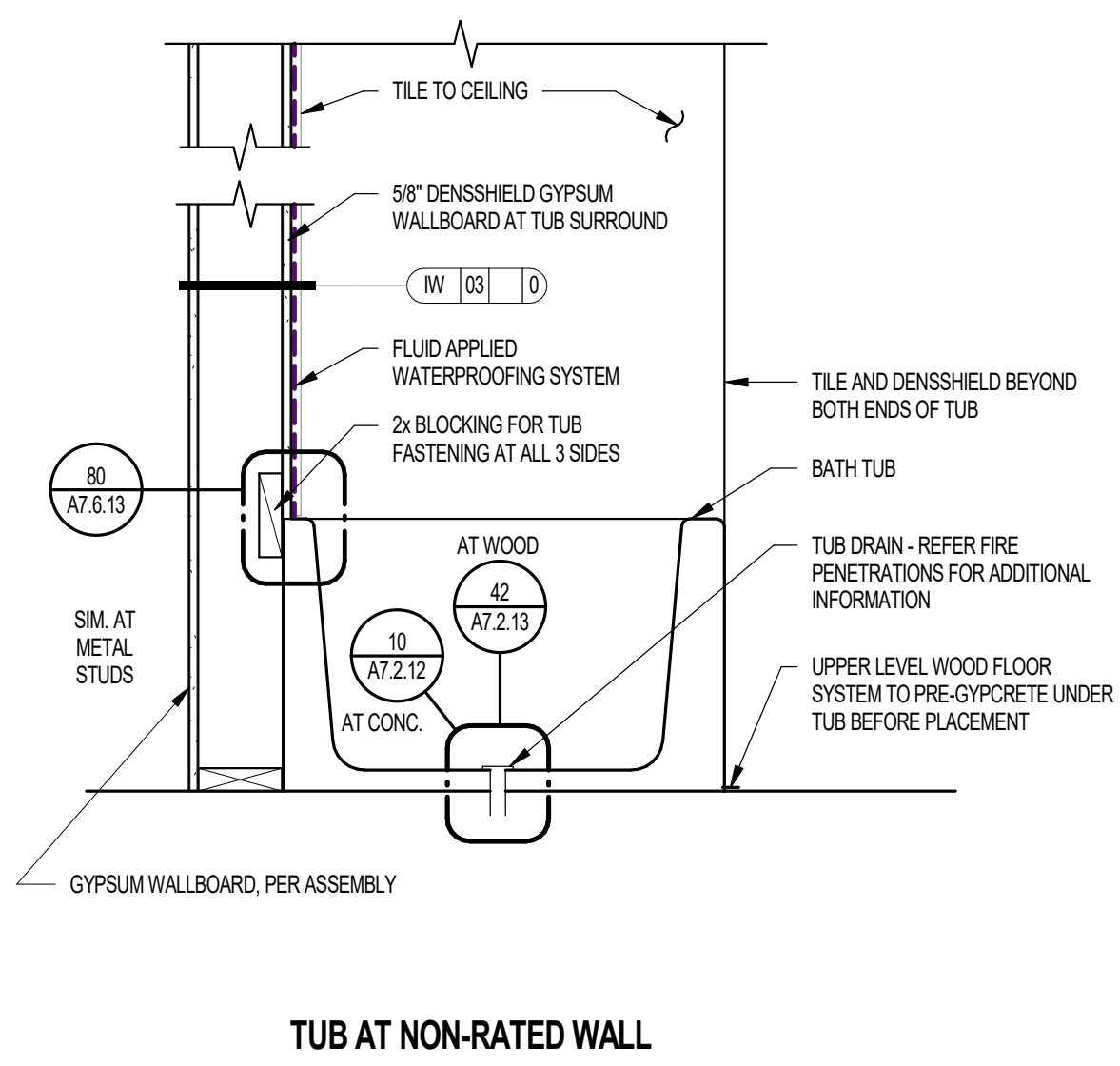
Autodesk Docs // 00-000 Revit Detail Library/Revit Standard Details Library/H&E.rvt



OPTION A



TUB AT 1-HR RATED WALL

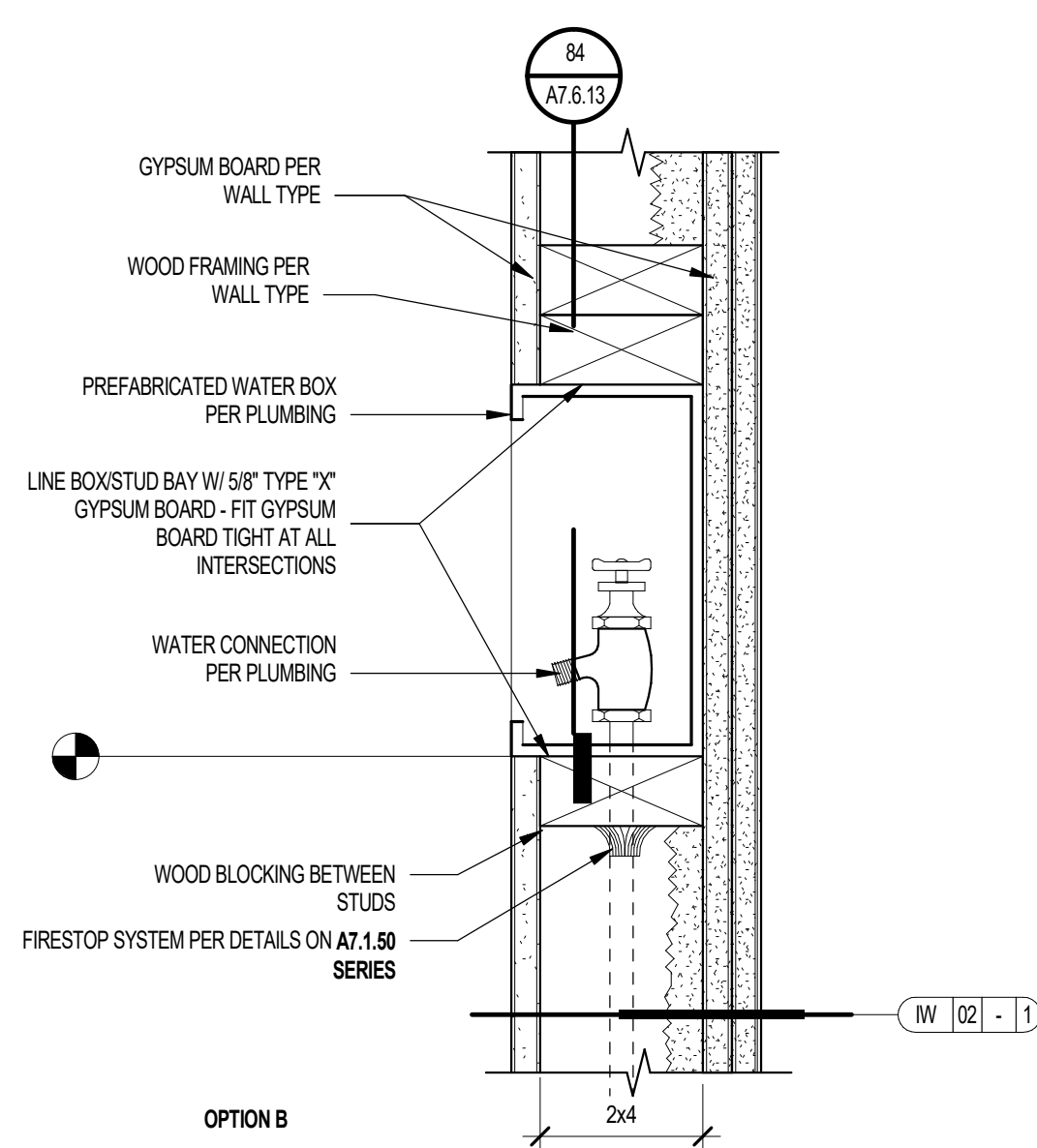


TUB AT NON-RATED WALL

NOTE: ALL FASTENERS AT TUB/SHOWER SHALL BE NON-CORROSIVE REFER TO LIFE SAFETY PLANS FOR RATED WALL LOCATIONS

77 BATH TUB WALL SECTION

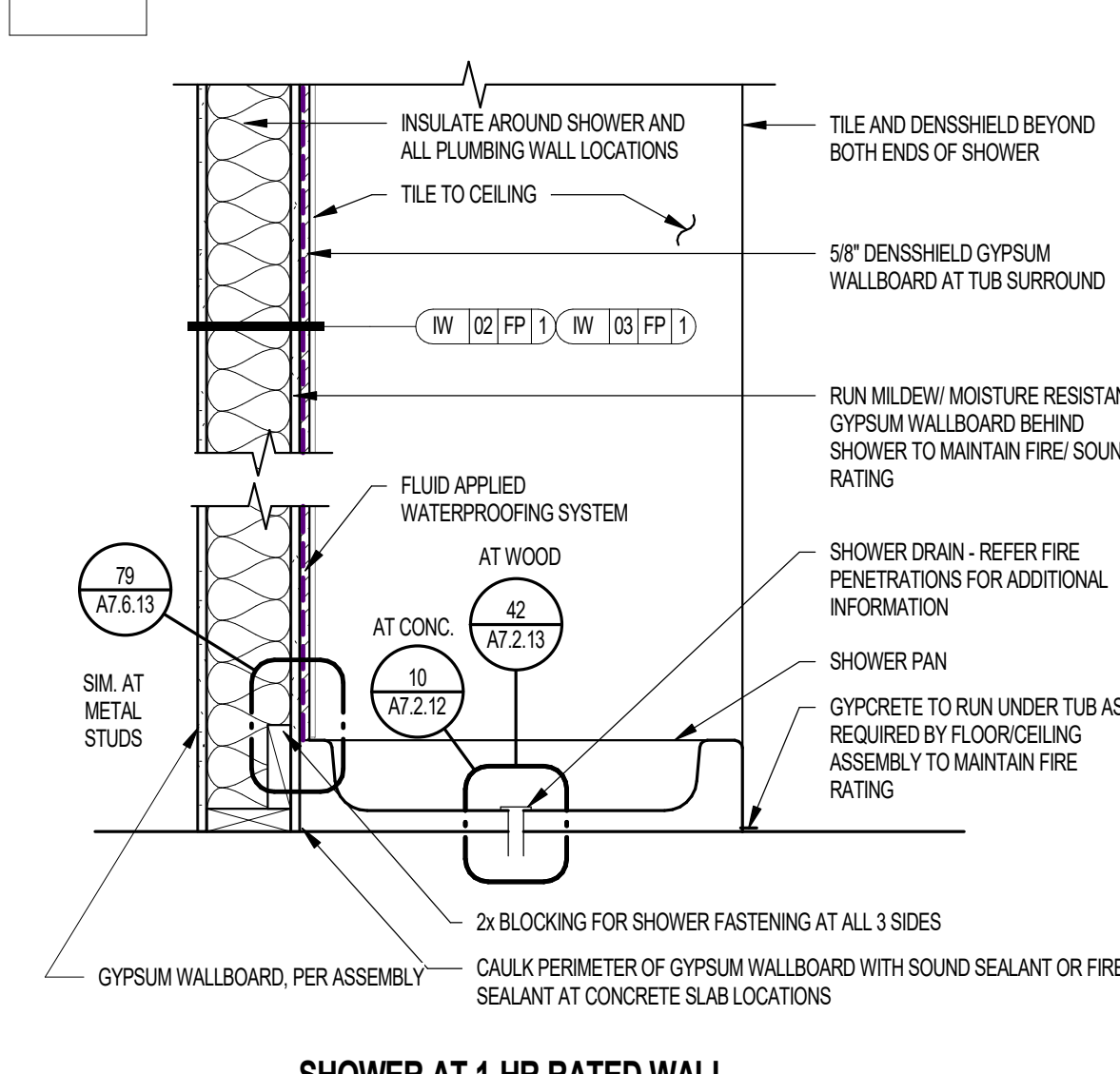
SCALE: 1" = 1'-0"



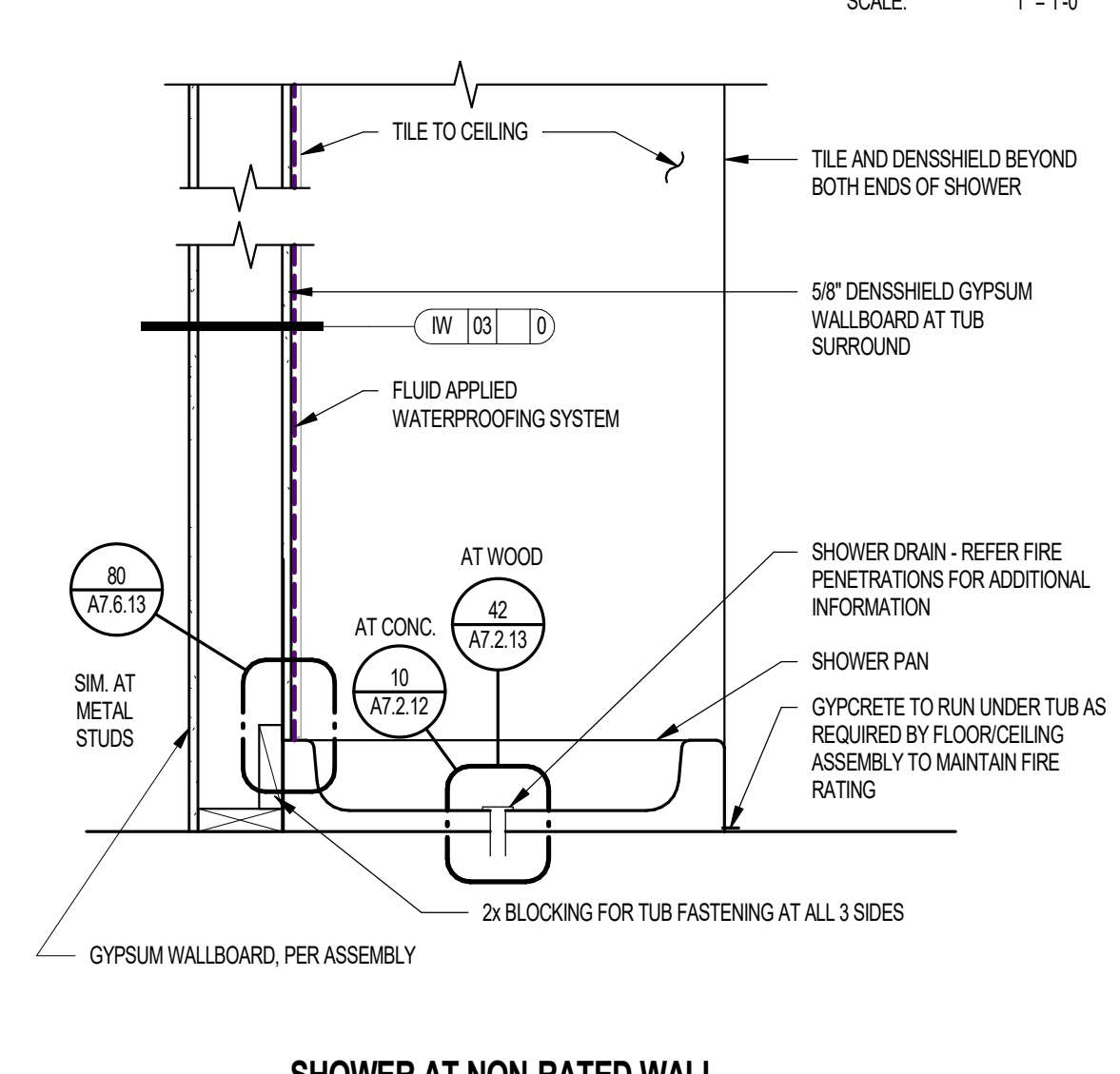
OPTION B

WASHER & REFRIGERATOR WATER BOX AT 2x4 FIRE RATED WALL

SCALE: 3/4" = 1'-0"



SHOWER AT 1-HR RATED WALL

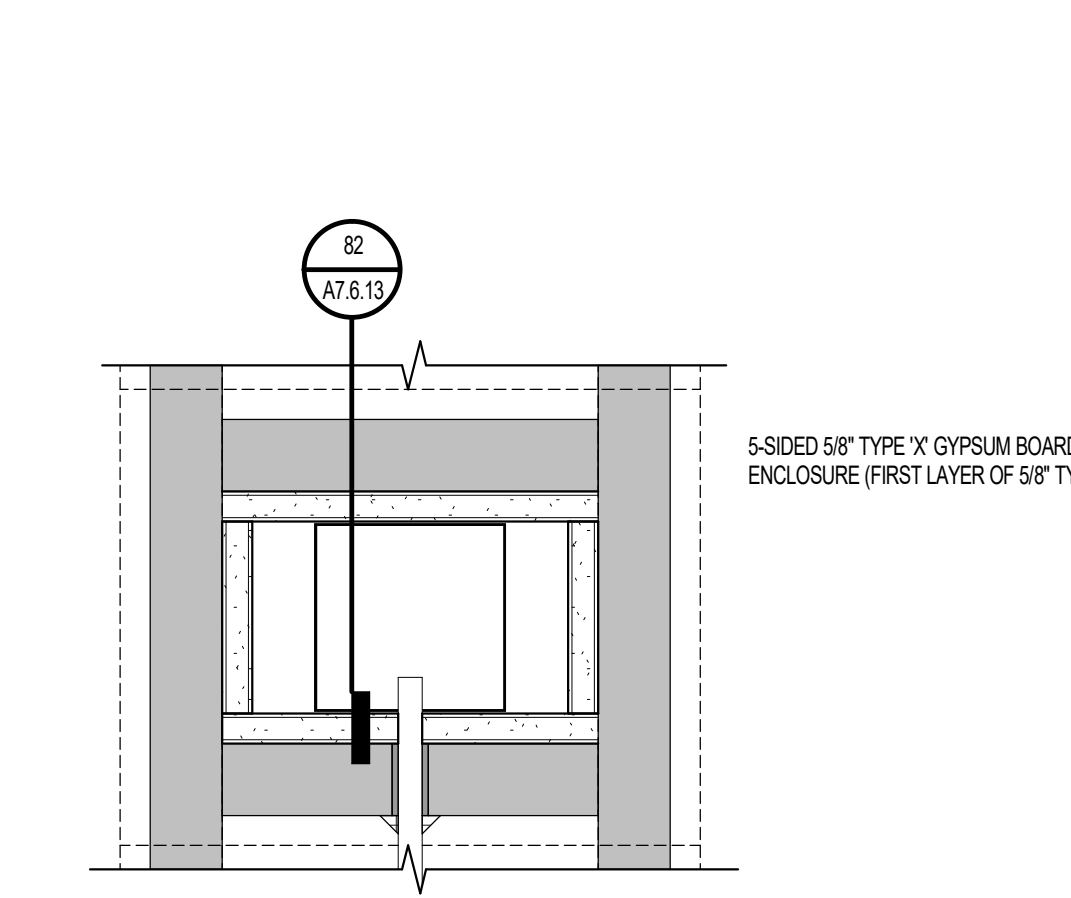


SHOWER AT NON-RATED WALL

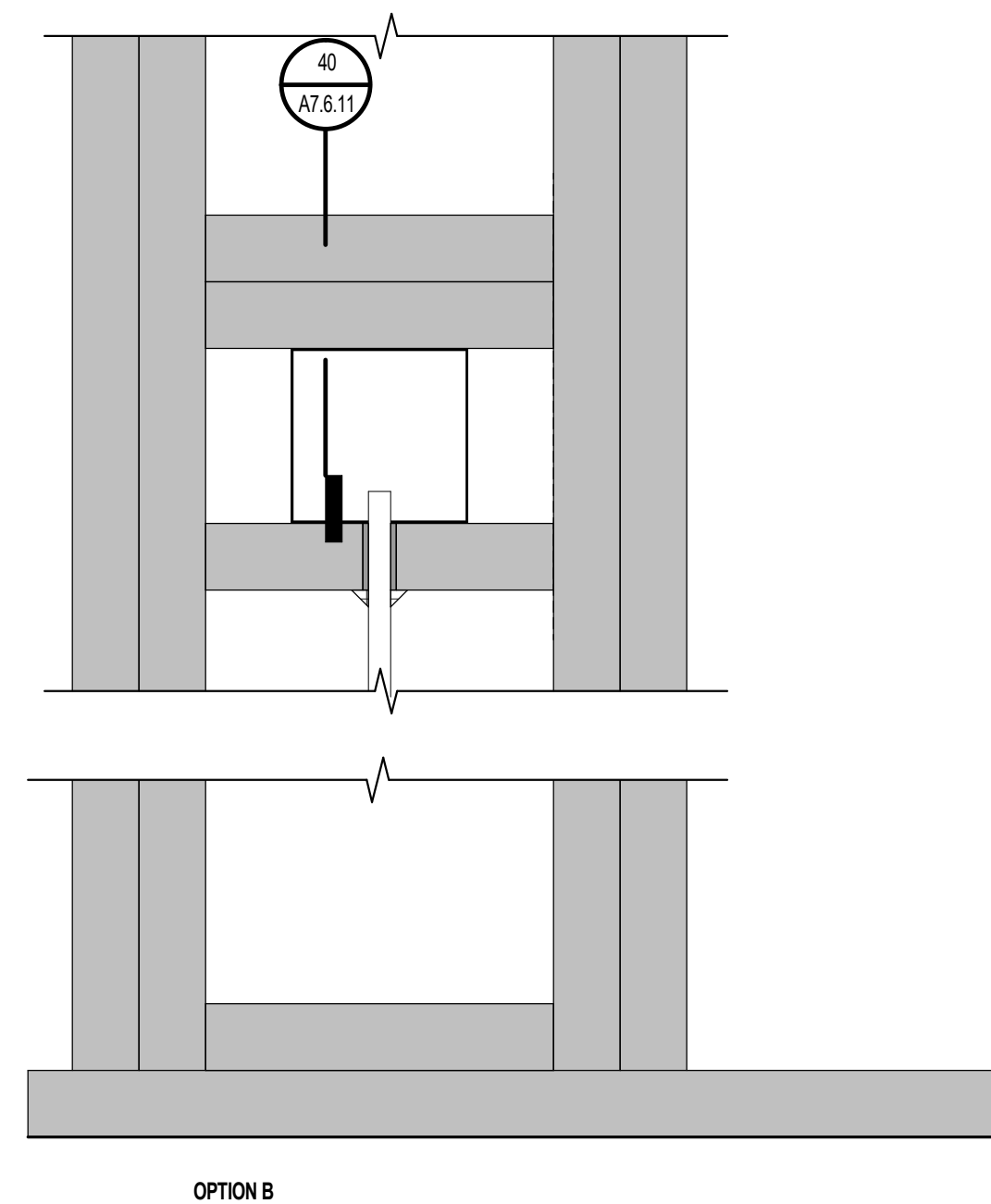
NOTE: ALL FASTENERS AT TUB/SHOWER SHALL BE NON-CORROSIVE REFER TO LIFE SAFETY PLANS FOR RATED WALL LOCATIONS

78 SHOWER WALL SECTION

SCALE: 1" = 1'-0"



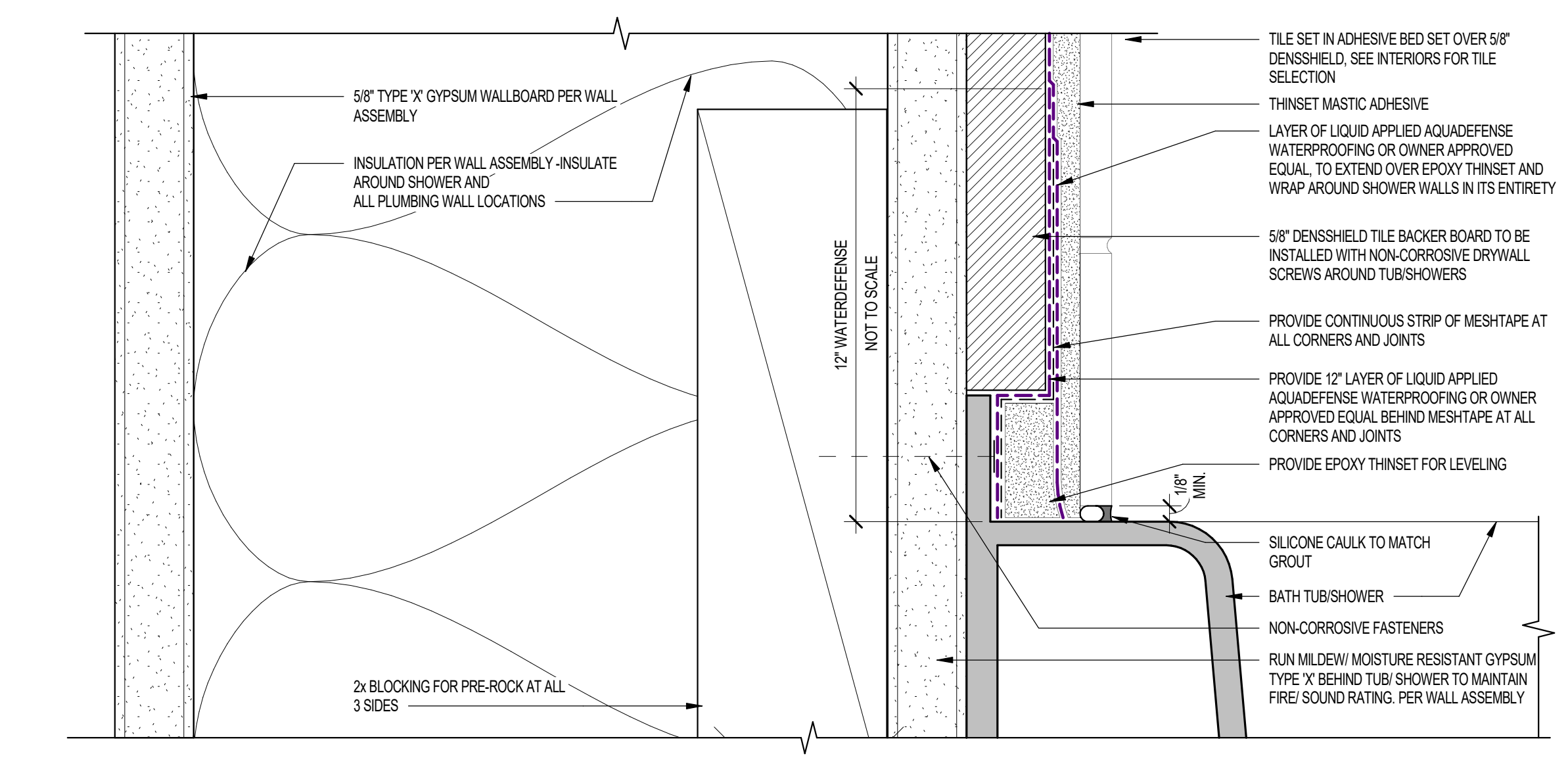
OPTION A



OPTION B

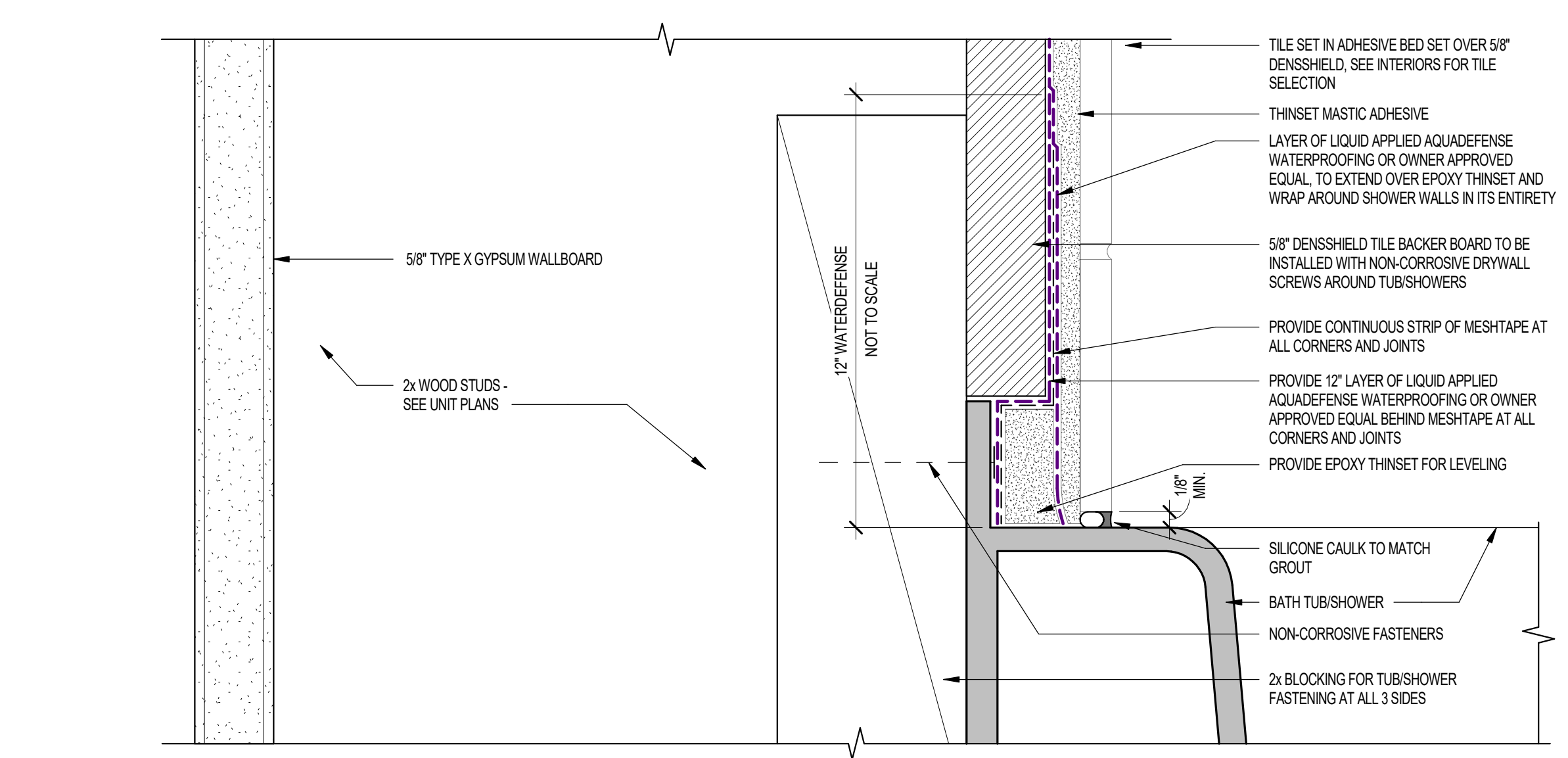
84 WATER BOX AT WOOD FRAMED RATED WALLS - ELEV.

SCALE: 3/4" = 1'-0"



79 WATERPROOFING AT BATH TUB/SHOWER FLANGE - 1-HR RATED CONDITION

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



80 WATERPROOFING AT TUB/SHOWER FLANGE - NON-RATED CONDITION

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

Project Name 1
Project Name 2

Street Address
City, State



WorldHQ@ORBArch.com

PRELIMINARY
NOT FOR
CONSTRUCTION



Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of change or addition to billing cycle within the first 30 days. This contract shall allow the owner to request an alternate billing schedule after certification and approval of billing and estimates. A further decision of work after billing cycle applies to the project is available from the owner or the contractor's design consultant.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

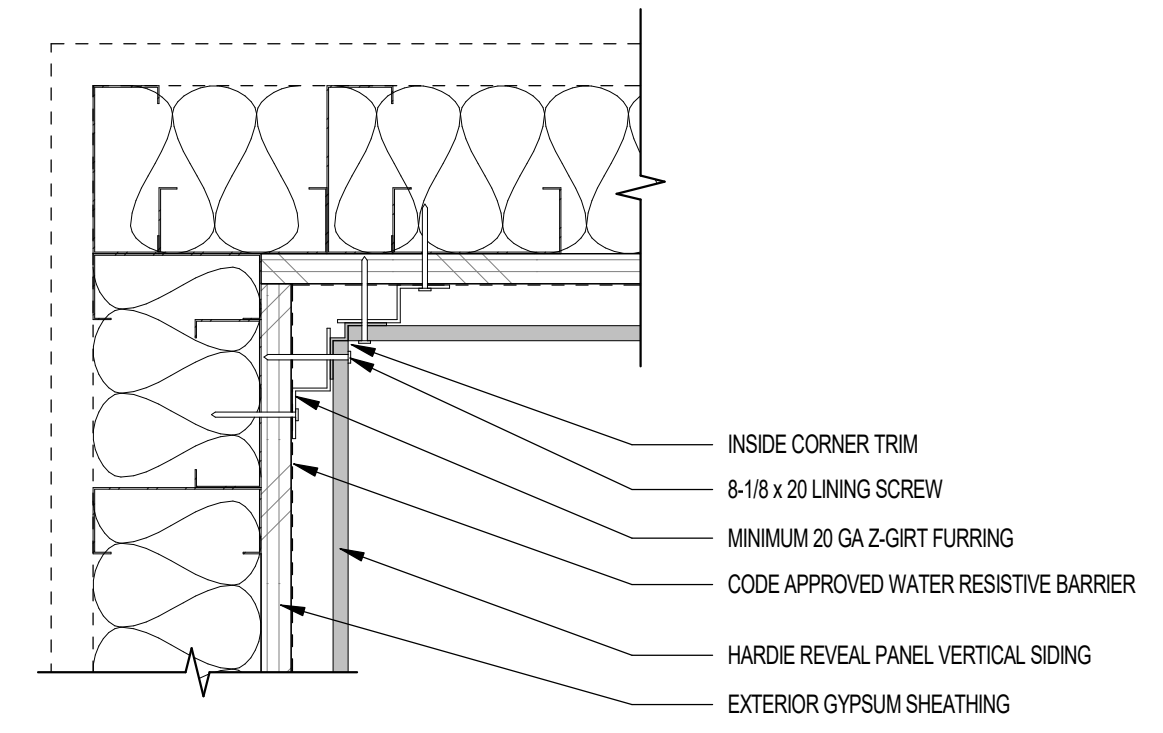
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, for addition to this project, or for completion of this project by others except by the expressed written permission of the Architect.

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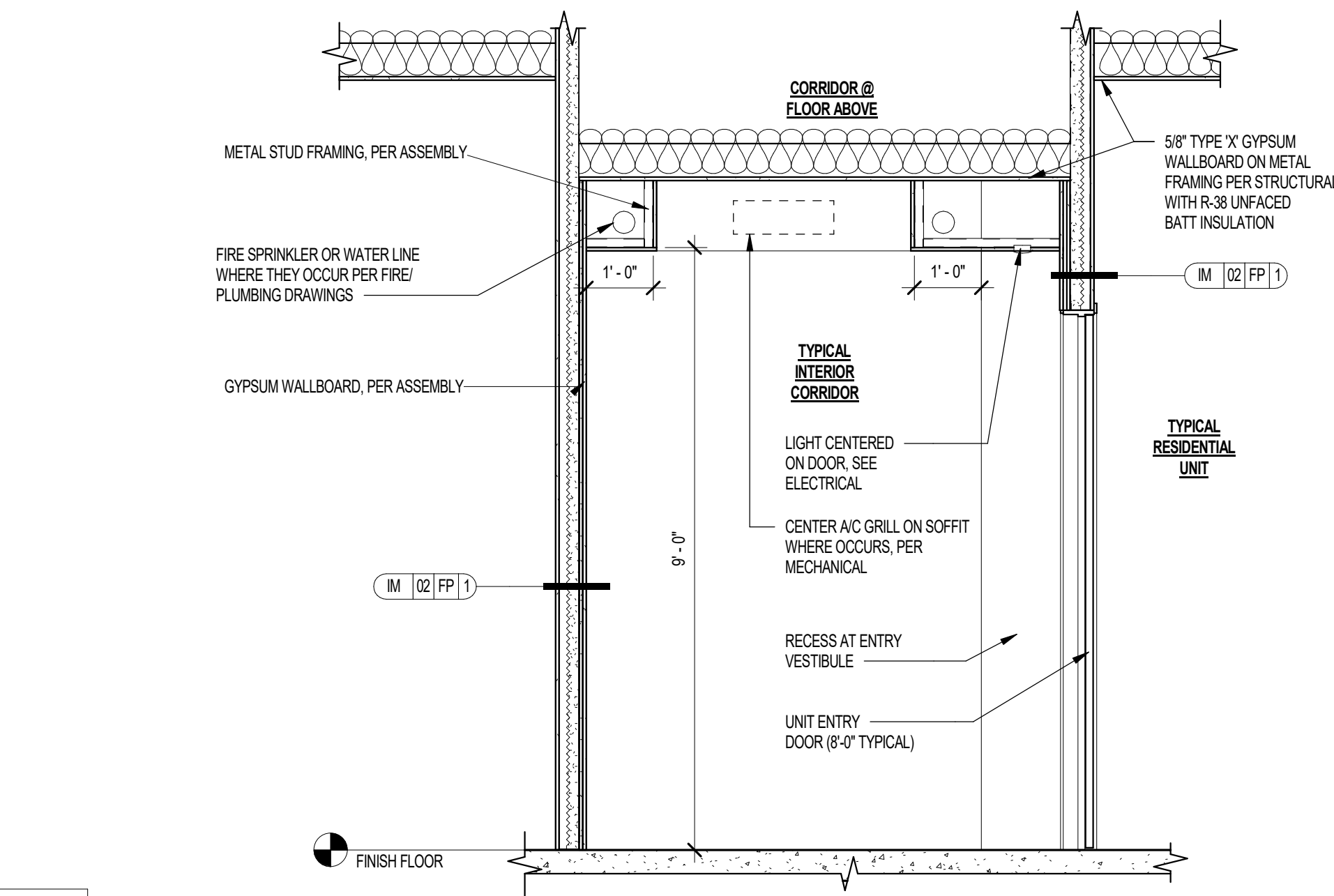
REVISIONS/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

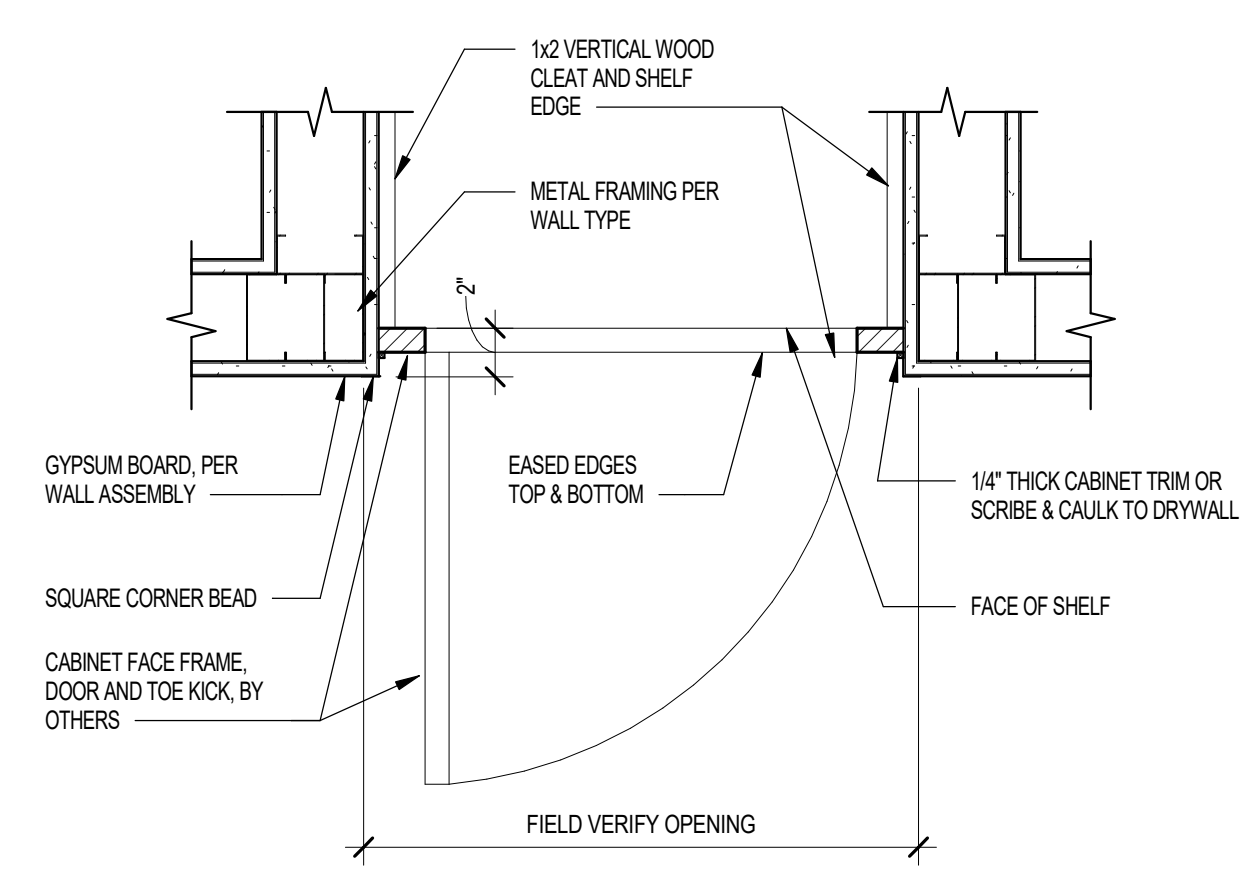
A7.6.13
UNIT & CORRIDOR DETAILS WOOD FRAMING



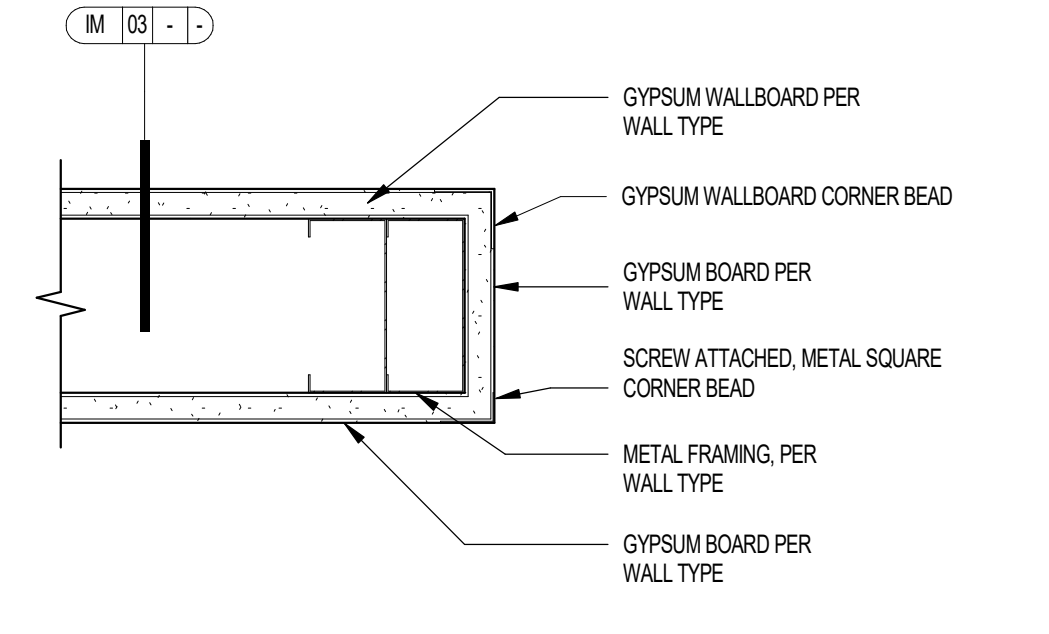
17 PLAN DETAIL - INSIDE CORNER TRIM SCALE: 3" = 1'-0"



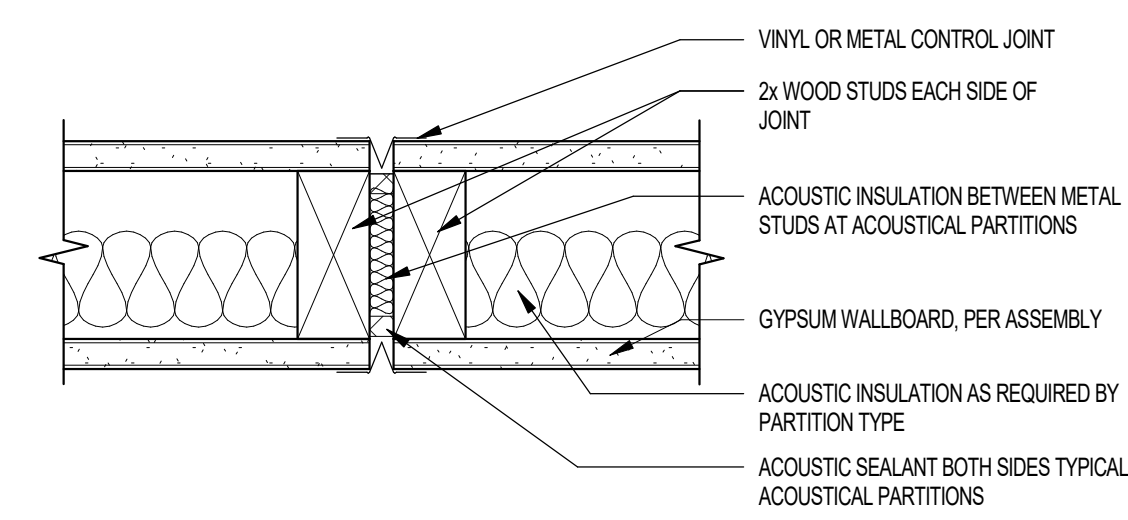
13 SECTION @ CORRIDOR P2 ENTRY DOOR SCALE: 1/2" = 1'-0"



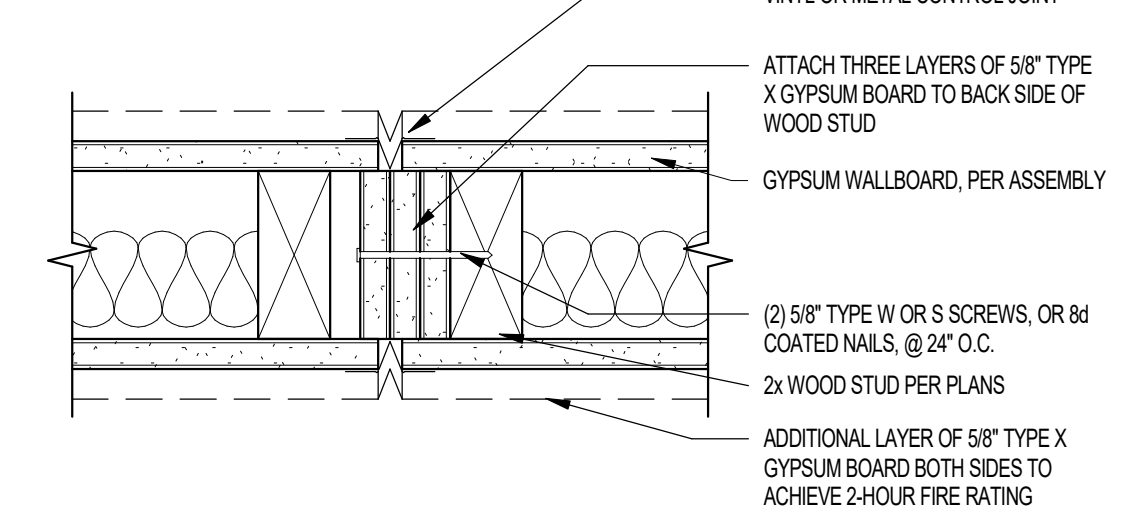
05 CABINET FACE FRAME SCALE: 1 1/2" = 1'-0"



01 TYPICAL INTERIOR WALL CORNER SCALE: 3" = 1'-0"



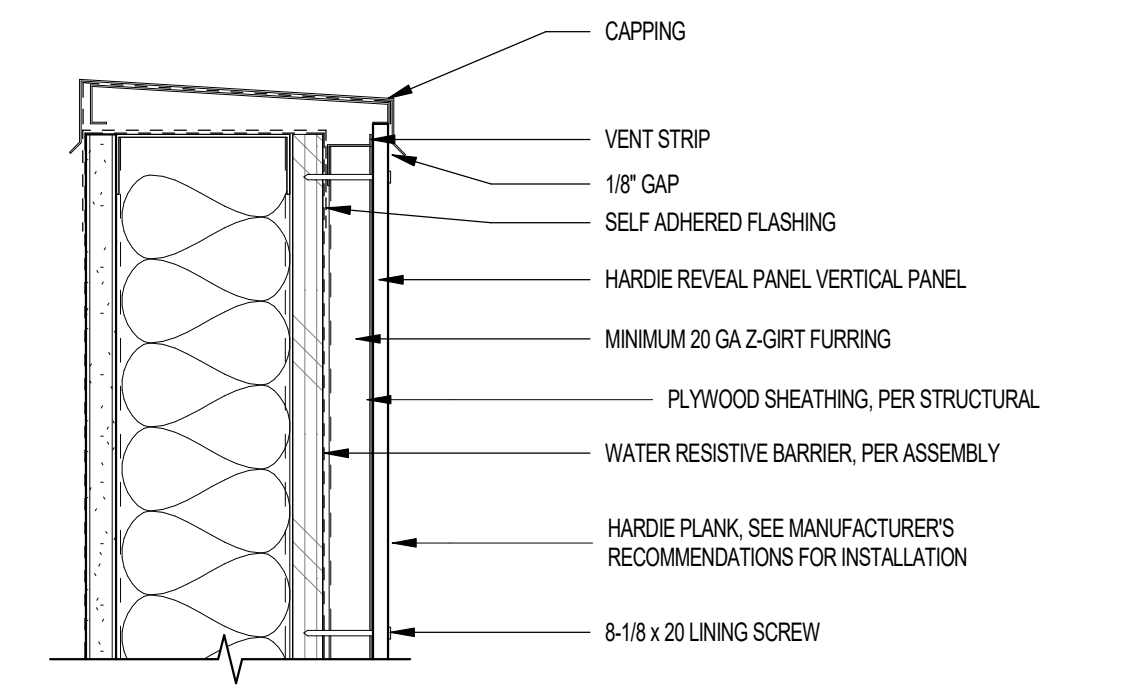
A NON-RATED PARTITIONS



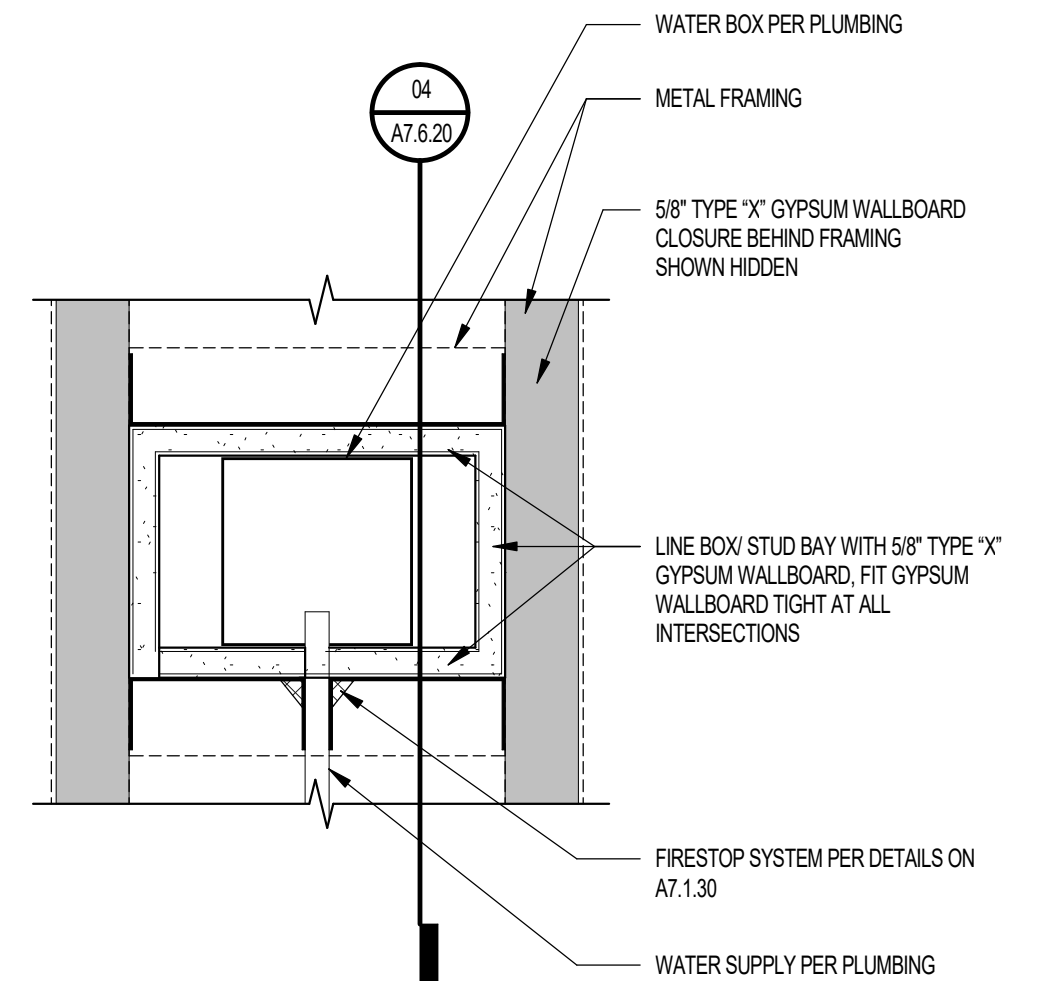
B FIRE-RATED CONTROL JOINT (1 AND 2 HOUR RATINGS)

CONTROL JOINTS FOR FIRE-RESISTANCE RATED SYSTEM GA-24-2019

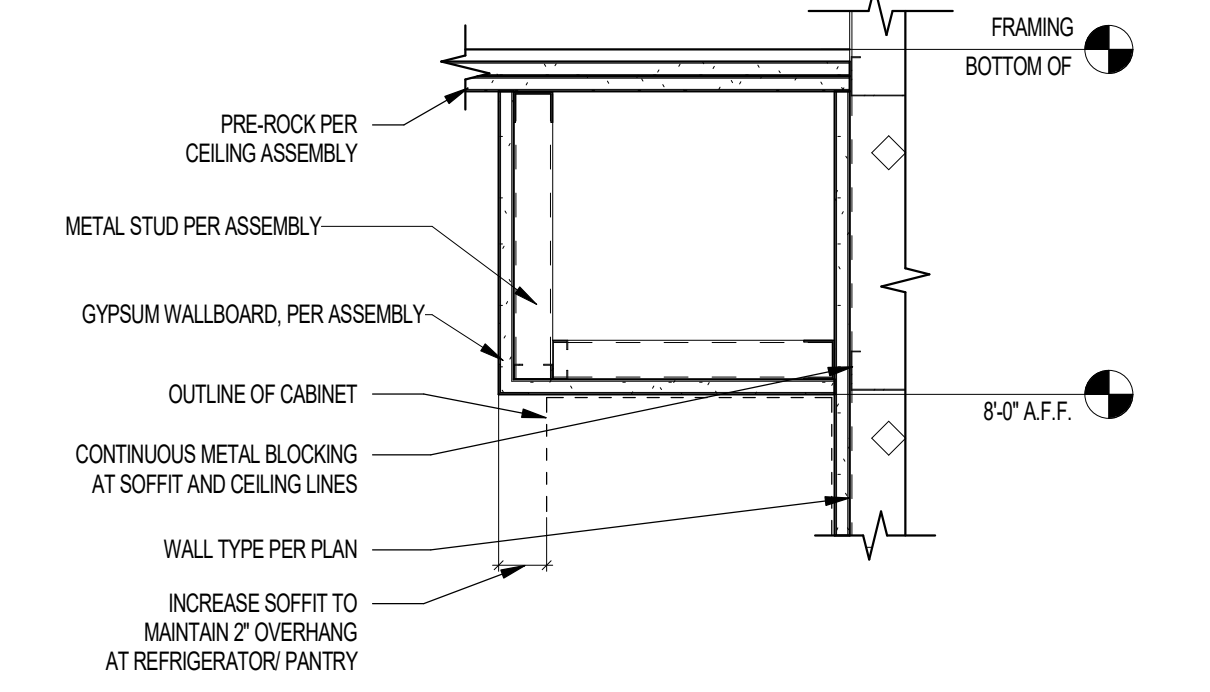
WALL CONTROL JOINTS SHALL BE INSTALLED WHERE: 1. A PARTITION OR WALL TRAVERSES A CONSTRUCTION JOINT... 2. WHERE AN INTERIOR WALL OR PARTITION RUNS IN AN UNINTERRUPTED STRAIGHT PLANE... 3. GYPSUM PANEL JOINTS SHALL NOT OCCUR WITHIN 12" (300 MM) OF THE CORNERS OF DOOR FRAMES... 4. A CONTROL JOINT IS DESIRED OR INCORPORATED AS A DESIGN ACCENT OR ARCHITECTURAL FEATURE.



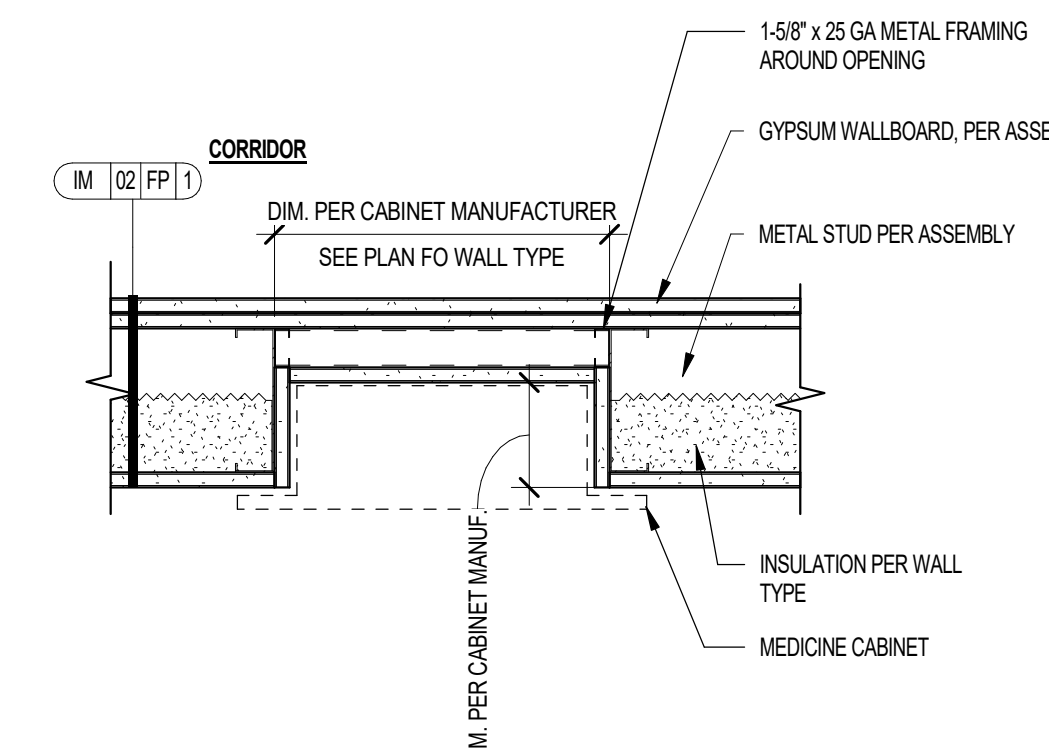
14 SECTION DETAIL - VENTED PARAPET WALL SCALE: 3" = 1'-0"



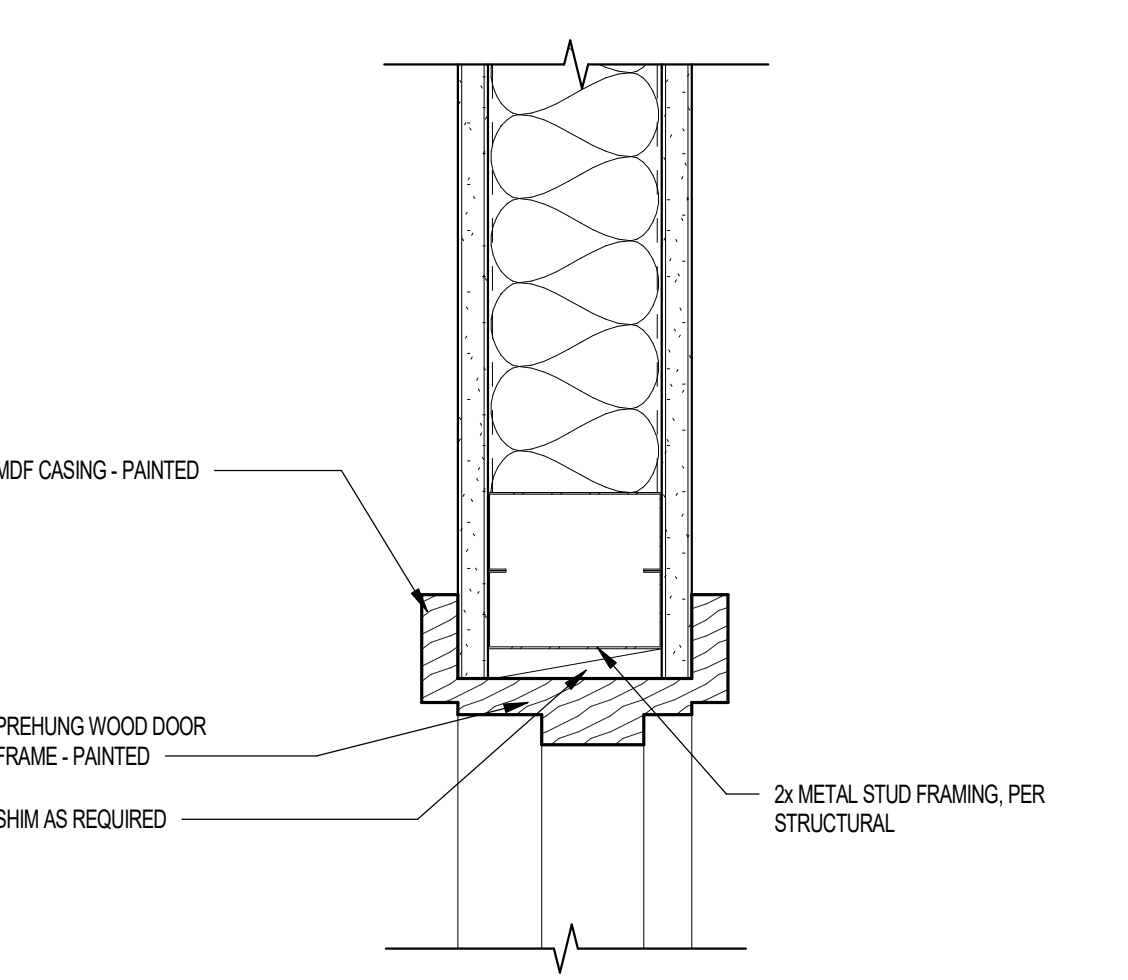
10 WATER BOX AT METAL FRAMED RATED WALLS - ELEV. SCALE: 3" = 1'-0"



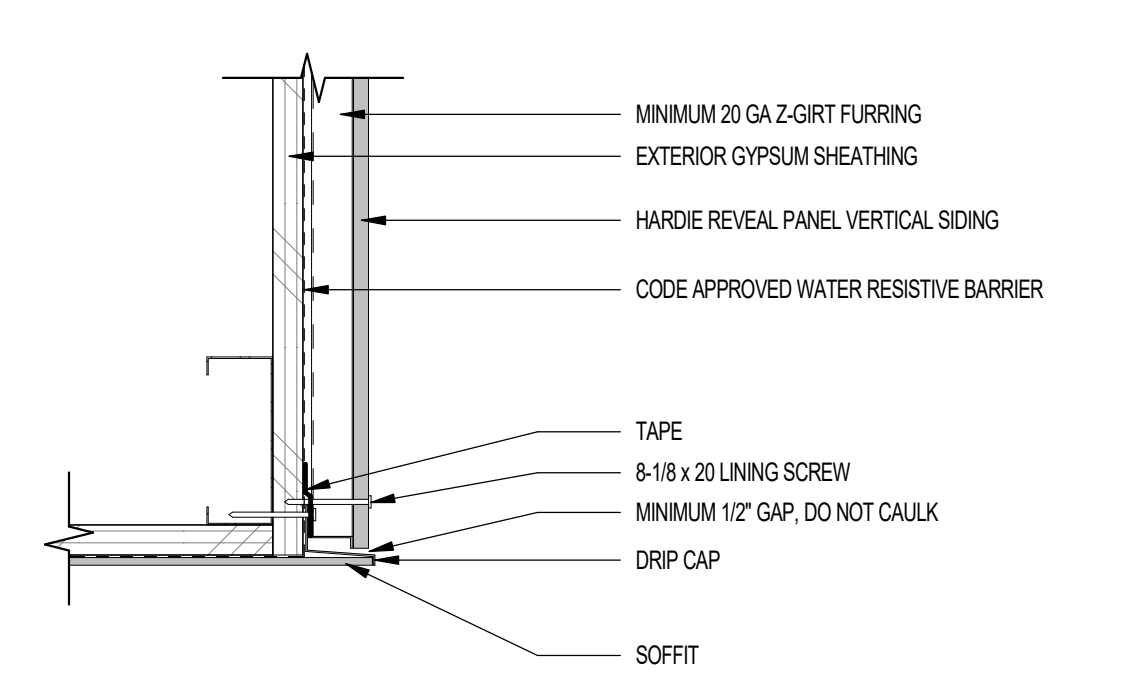
06 TYPICAL DROP CEILING AT CABINET SCALE: 1 1/2" = 1'-0"



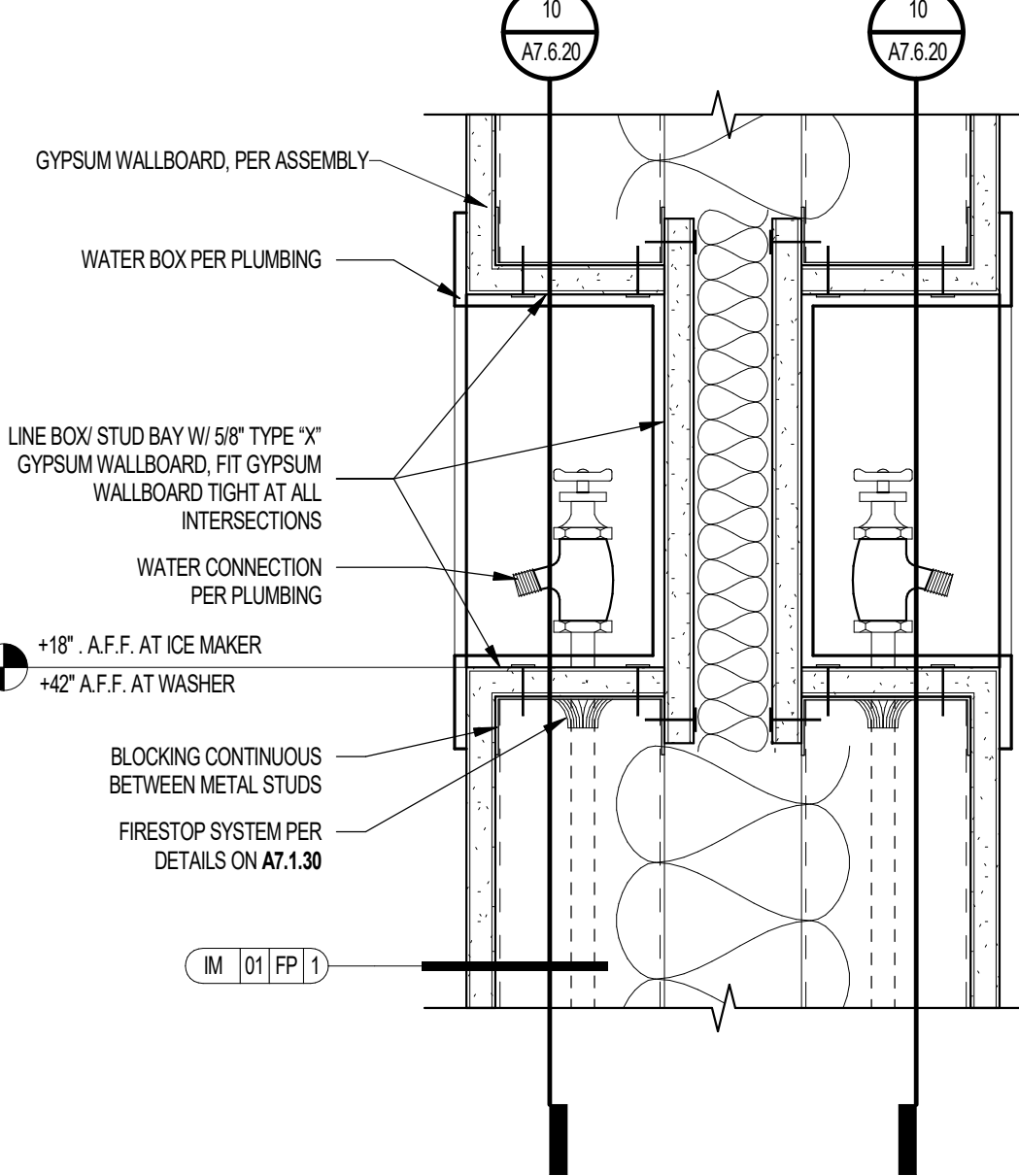
02 MEDICINE CABINET RECESS AT 1-HR RATED CORRIDOR WALL SCALE: 1 1/2" = 1'-0"



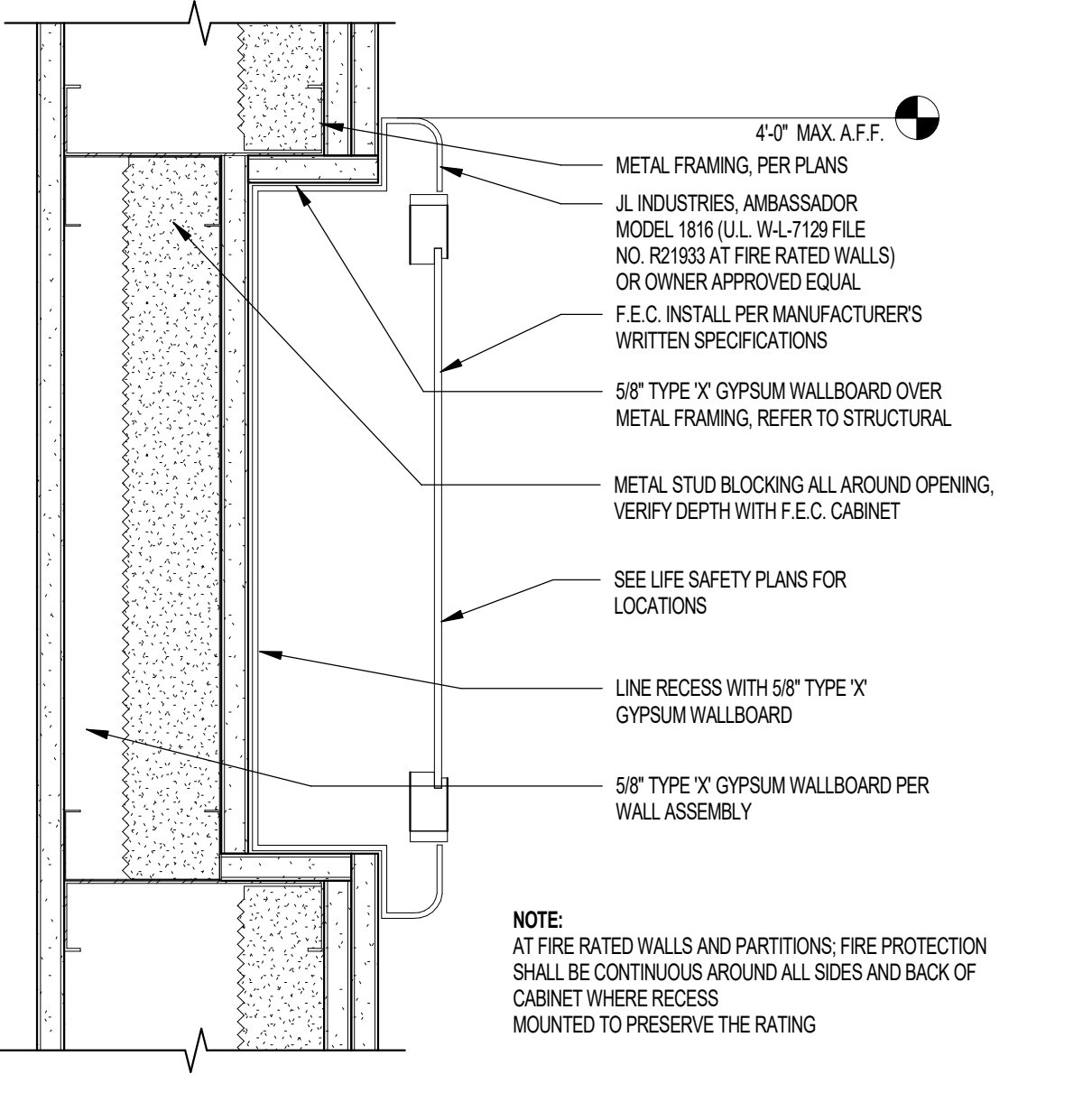
23 WOOD DOOR FRAME HEAD DETAIL @ METAL FRAMING SCALE: 3" = 1'-0"



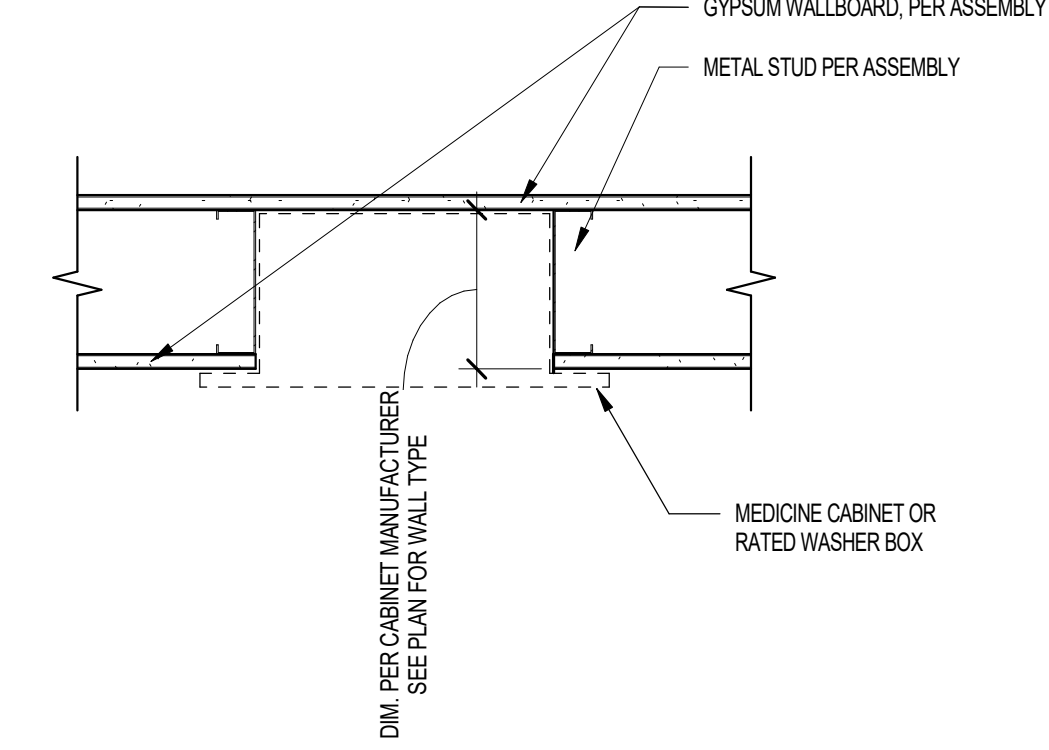
15 SECTION DETAIL - SOFFIT FLASHING INTERSECTION METAL FRAME SCALE: 3" = 1'-0"



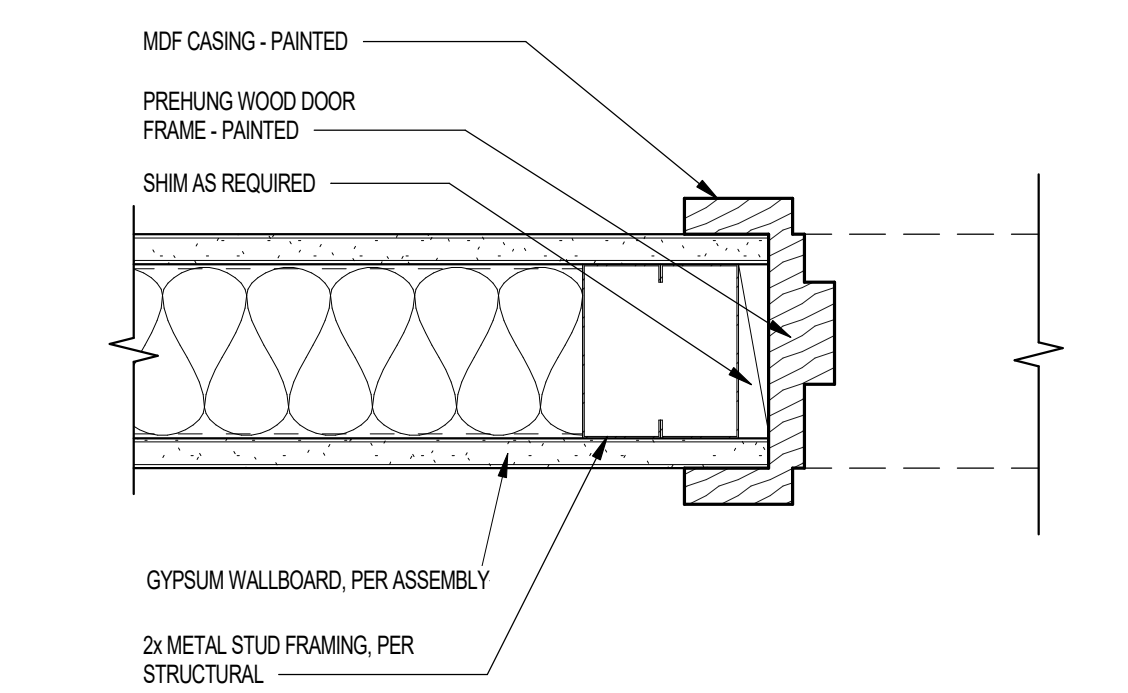
11 WATER BOX DETAIL AT UNIT SEPARATION WALLS SCALE: 3" = 1'-0"



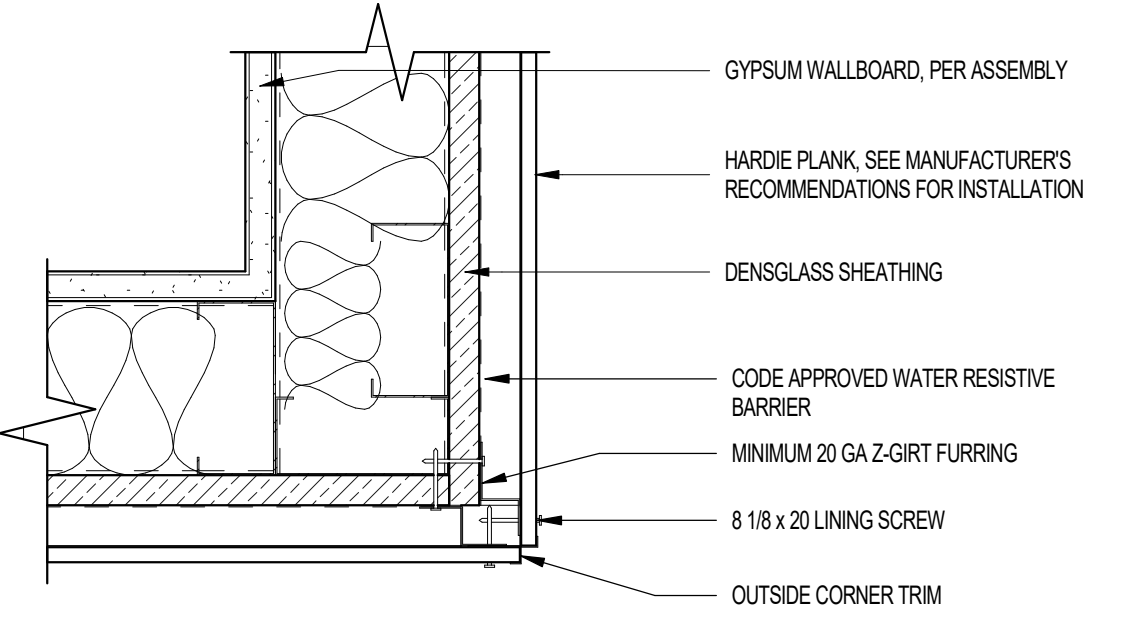
07 FIRE EXTINGUISHER CABINET AT 2x6 OR LARGER WALL SCALE: 3" = 1'-0"



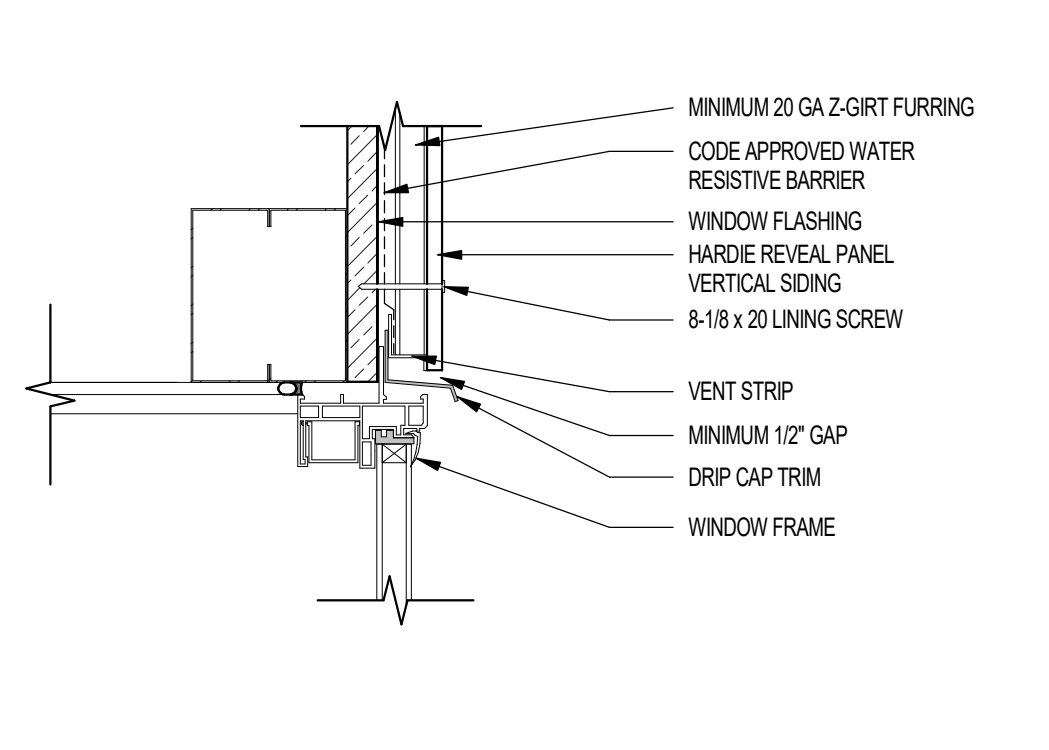
03 MEDICINE CABINET RECESS AT INTERIOR WALL SCALE: 1 1/2" = 1'-0"



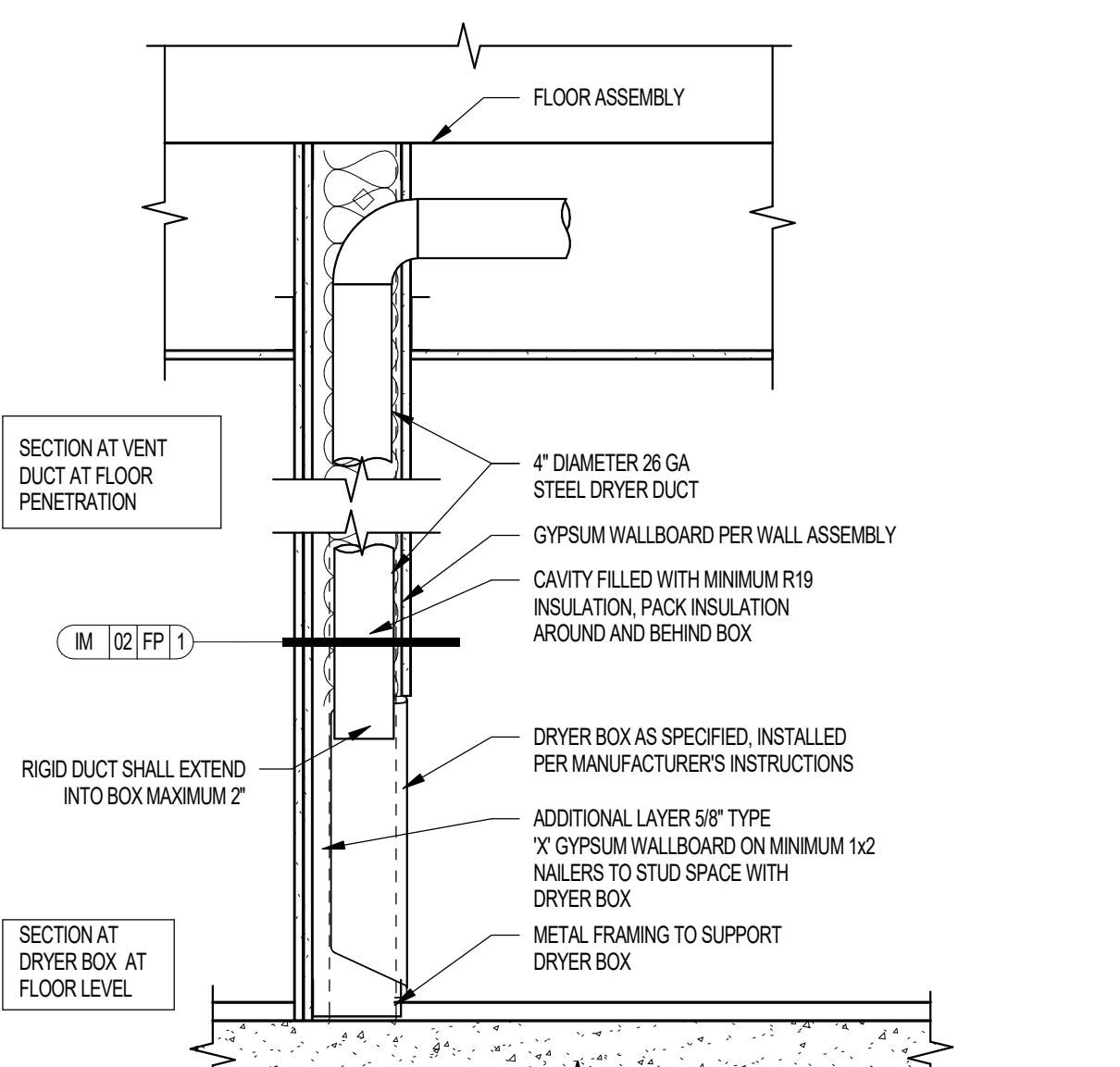
24 WOOD DOOR FRAME JAMB DETAIL @ METAL FRAMING SCALE: 3" = 1'-0"



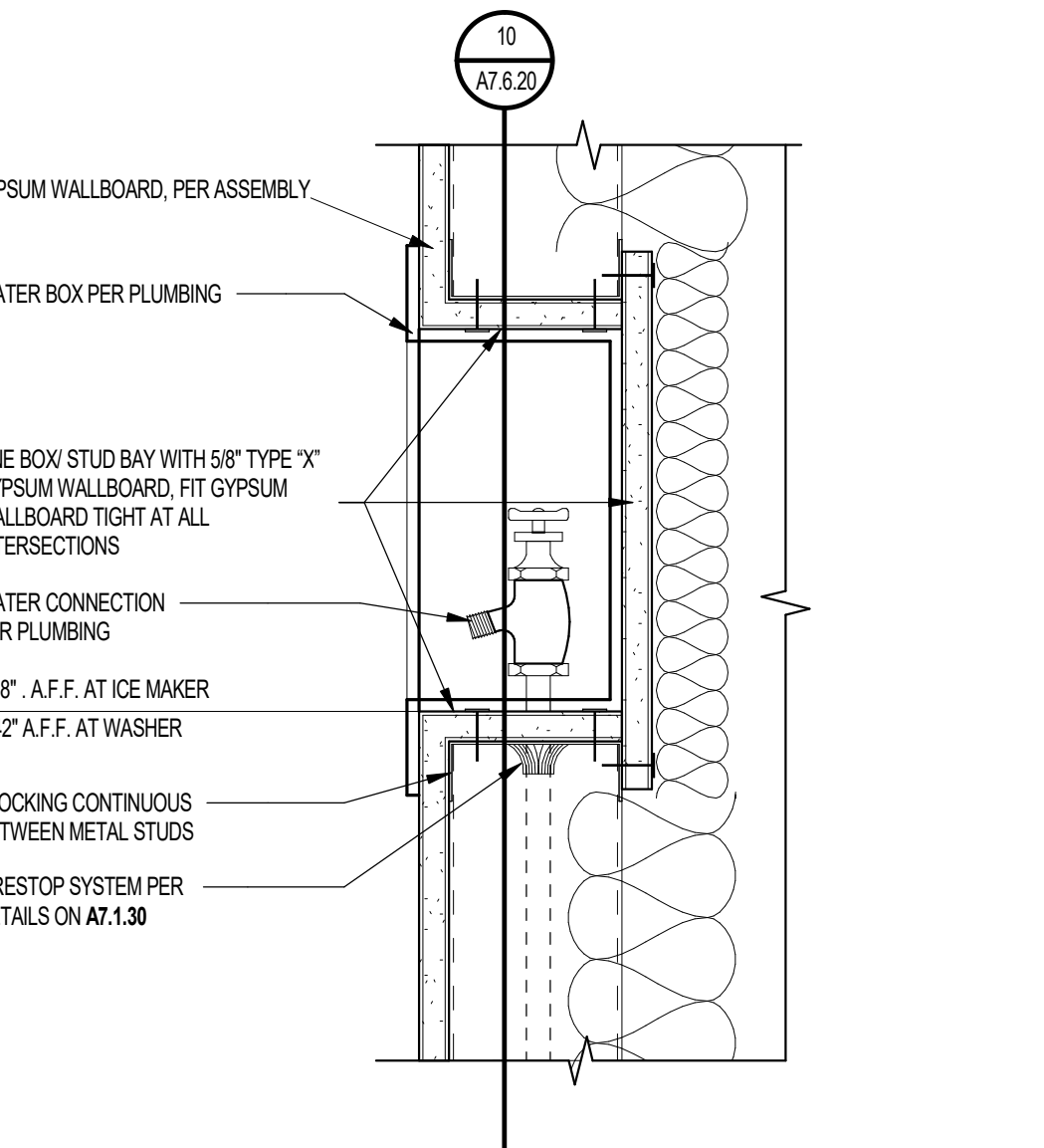
16 PLAN DETAIL - OUTSIDE CORNER TRIM SCALE: 3" = 1'-0"



12 SECTION DETAIL - ALUMINIUM WOODEN HEAD SCALE: 3" = 1'-0"



08 DRYERBOX IN 1 HOUR RATED WALL SCALE: 1" = 1'-0"



04 WATER BOX DETAIL AT RATED WALLS SCALE: 3" = 1'-0"

PRELIMINARY NOT FOR CONSTRUCTION



Notice of alternate billing (or payment) cycle. This contract allows the contractor to request the admission of change or addition to billing cycle after the project has started. This contract shall not be used for any other project without the written consent of the contractor.

CLIENT NAME CLIENT ADDRESS CLIENT PHONE NUMBER and the owner or its designated agent shall provide the written consent on request.

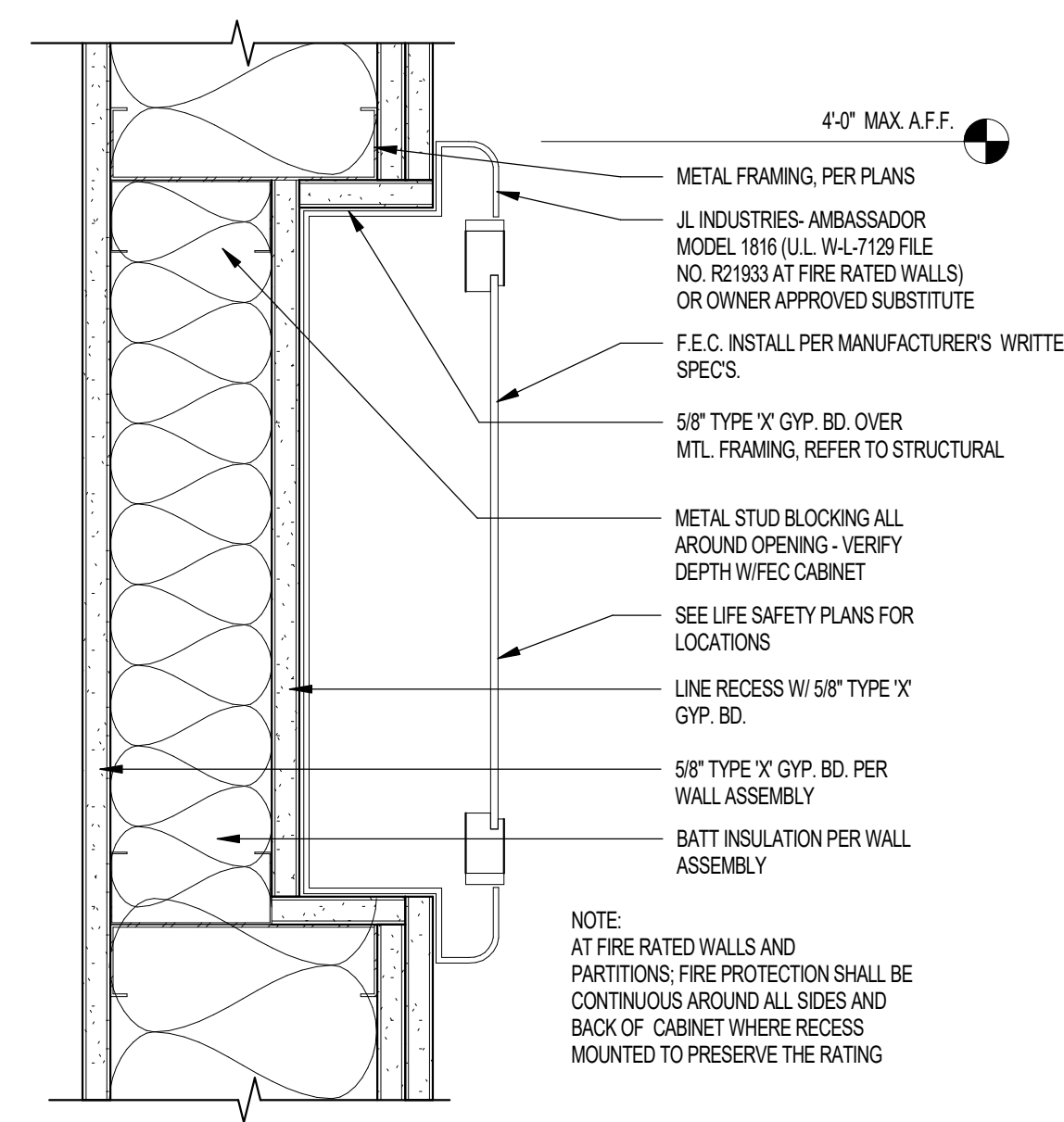
Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are intended for the use and shall remain the property of the Architect unless the project is altered. They are made available on these drawings and specifications shall not be used for any other project. In addition to the project, it is the responsibility of the project to draw using the appropriate scale and details of the Architect.

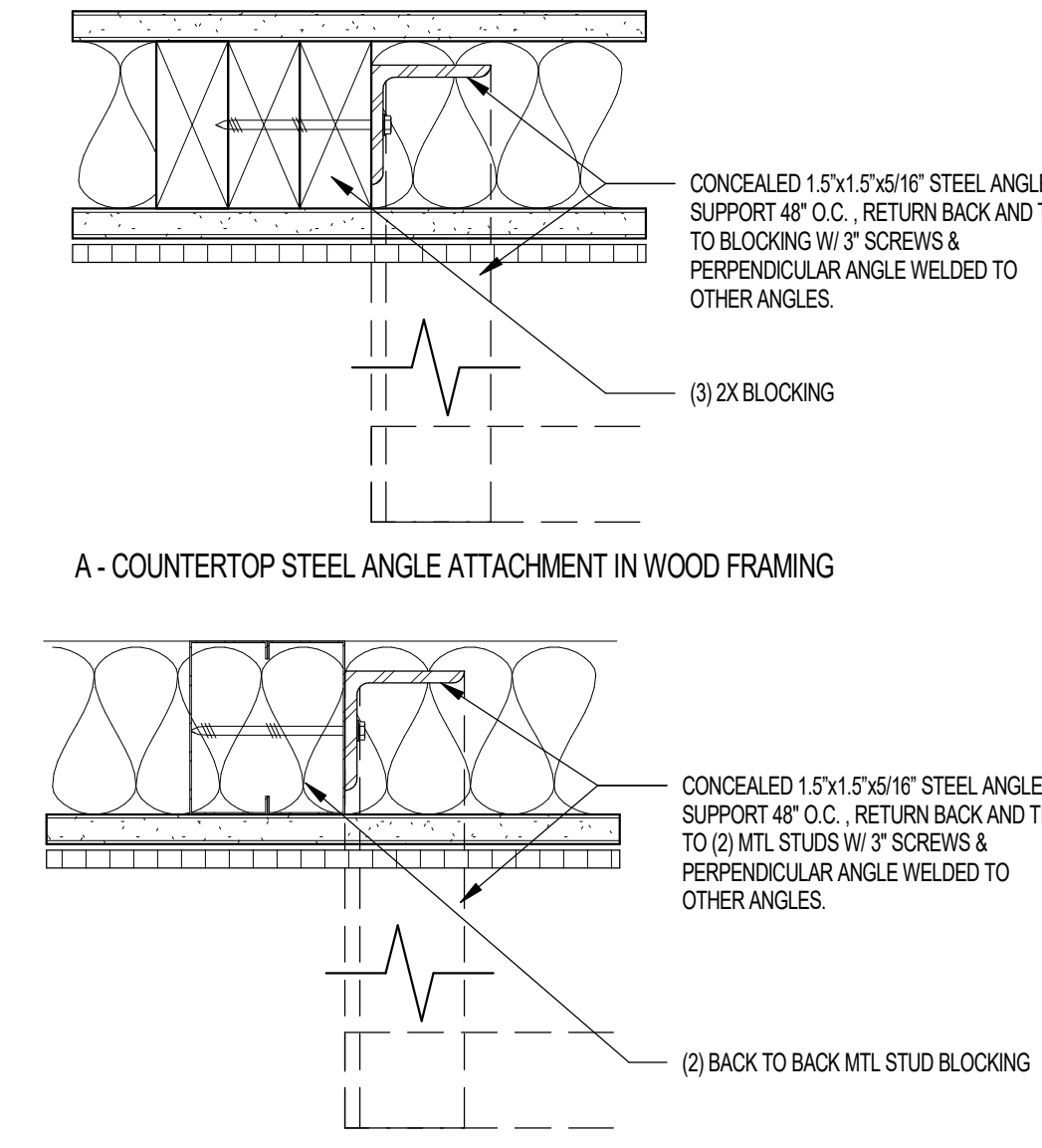
REVISIONS/SUBMITTALS DATE DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

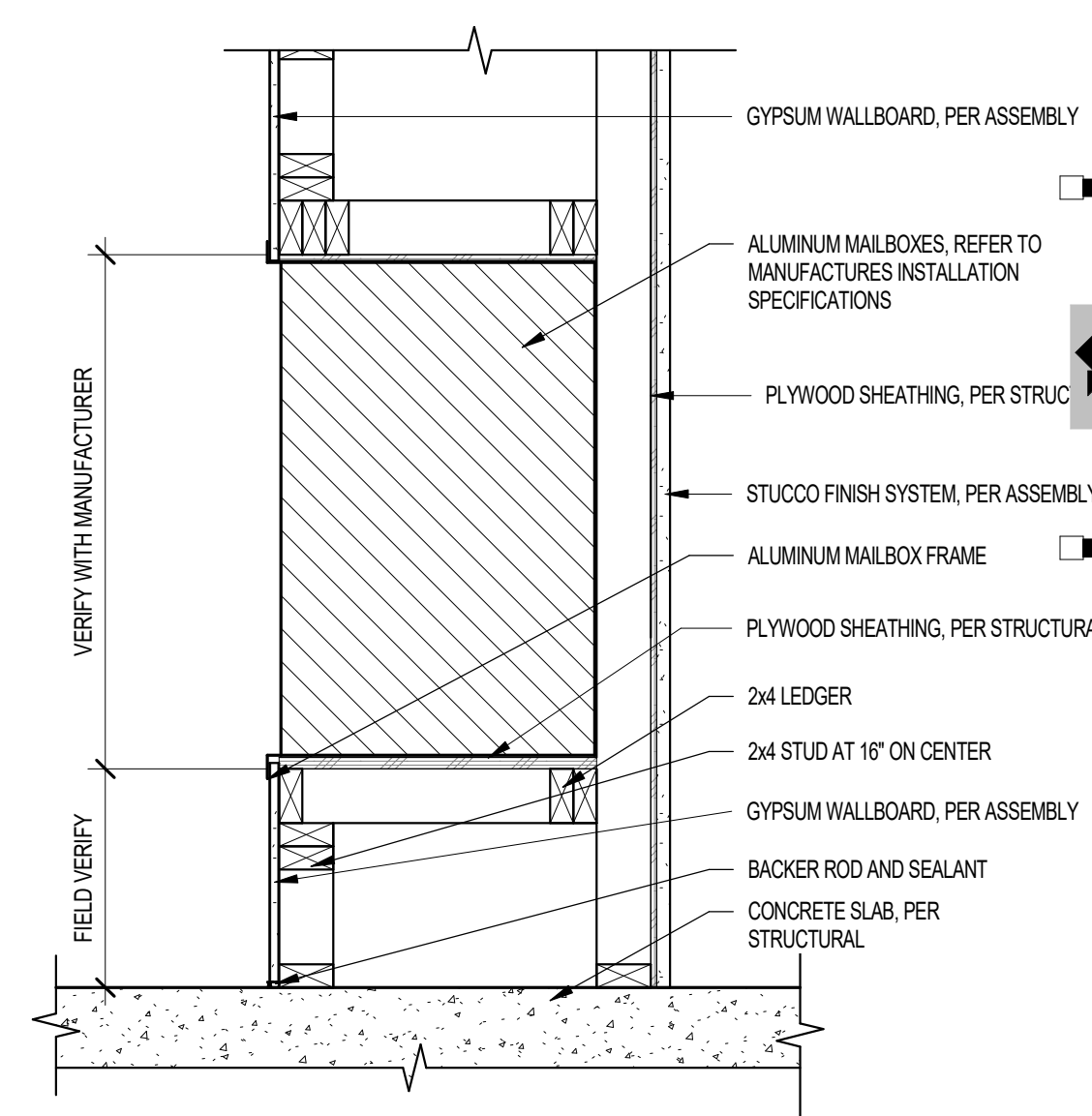
A7.6.20 UNIT & CORRIDOR DETAILS METAL FRAMING 01-09



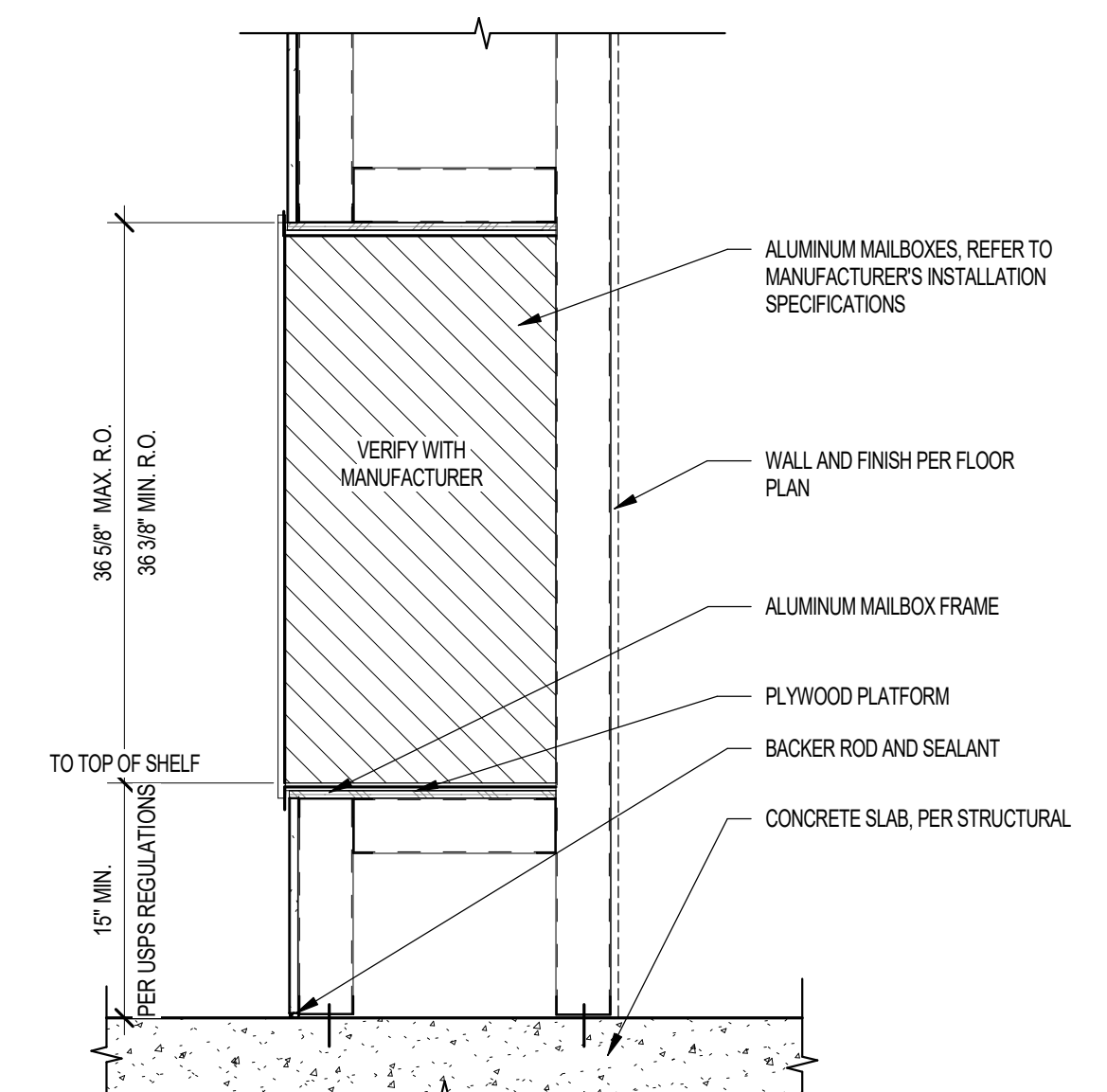
01 FIRE EXTINGUISHER CABINET AT METAL FRAMING
SCALE: 3" = 1'-0"



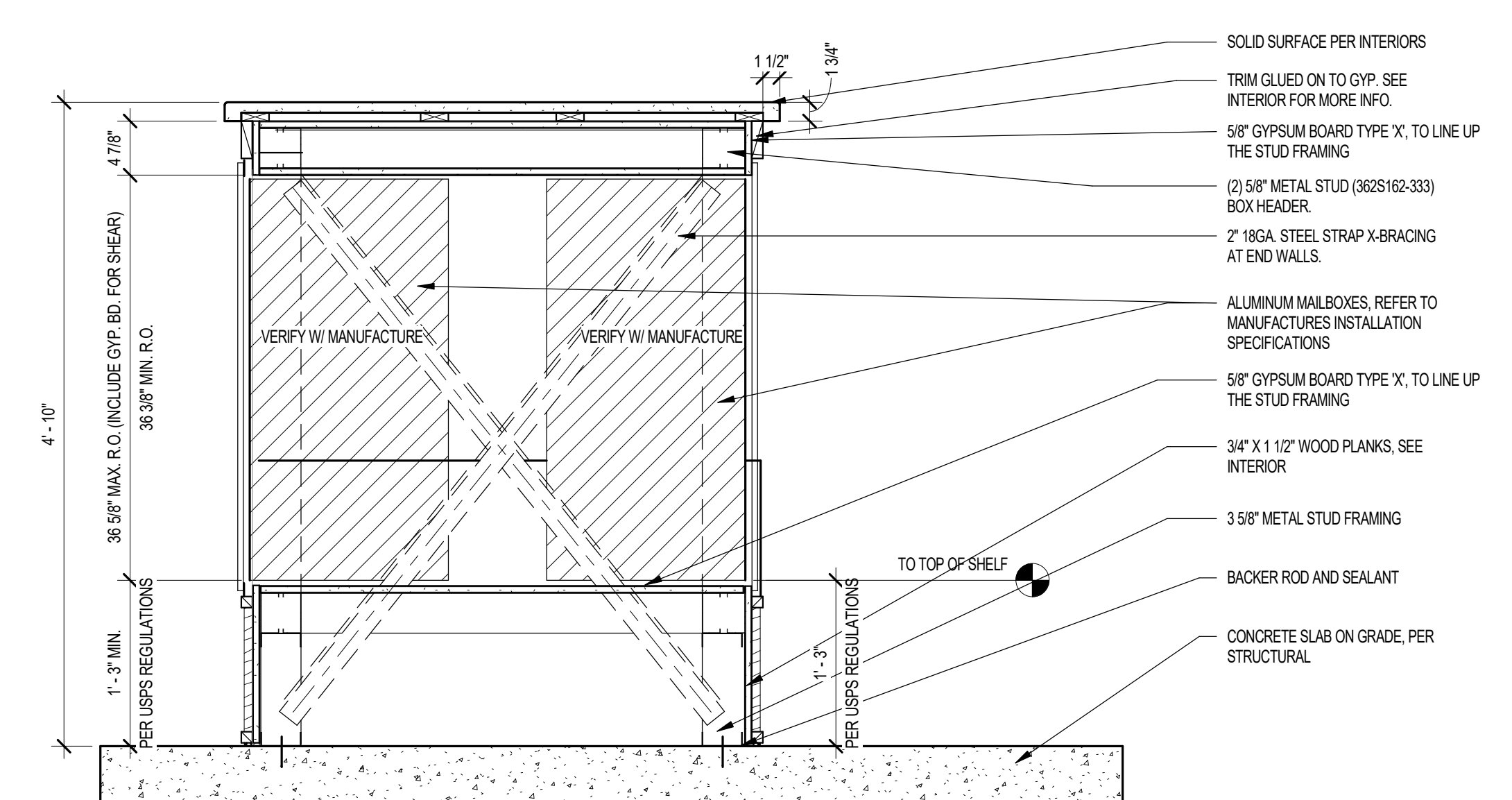
06 COUNTERTOP STEEL ANGLE ATTACHMENT
SCALE: 3" = 1'-0"



02 MAIL KIOSK WOOD FRAMING
SCALE: 1" = 1'-0"



11 SINGLE SIDED MAIL KIOSK - METAL FRAMING
SCALE: 1" = 1'-0"



07 DOUBLE SIDED MAIL KIOSK - METAL FRAMING
SCALE: 1" = 1'-0"

Notice of alternate billing (or payment) cycle
This contract allows (they allow) for review to require the admission of change or otherwise in billing cycle after the first cycle. This contract shall allow the owner to make payment on an alternate schedule after certification and approval of billing and estimates. A further discussion of such alternate billing cycle applies to the project is available from the owner or the owner's design consultant at:

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or his design agent shall provide the written description on request.

Contractor must verify all dimensions of project before proceeding with this work.

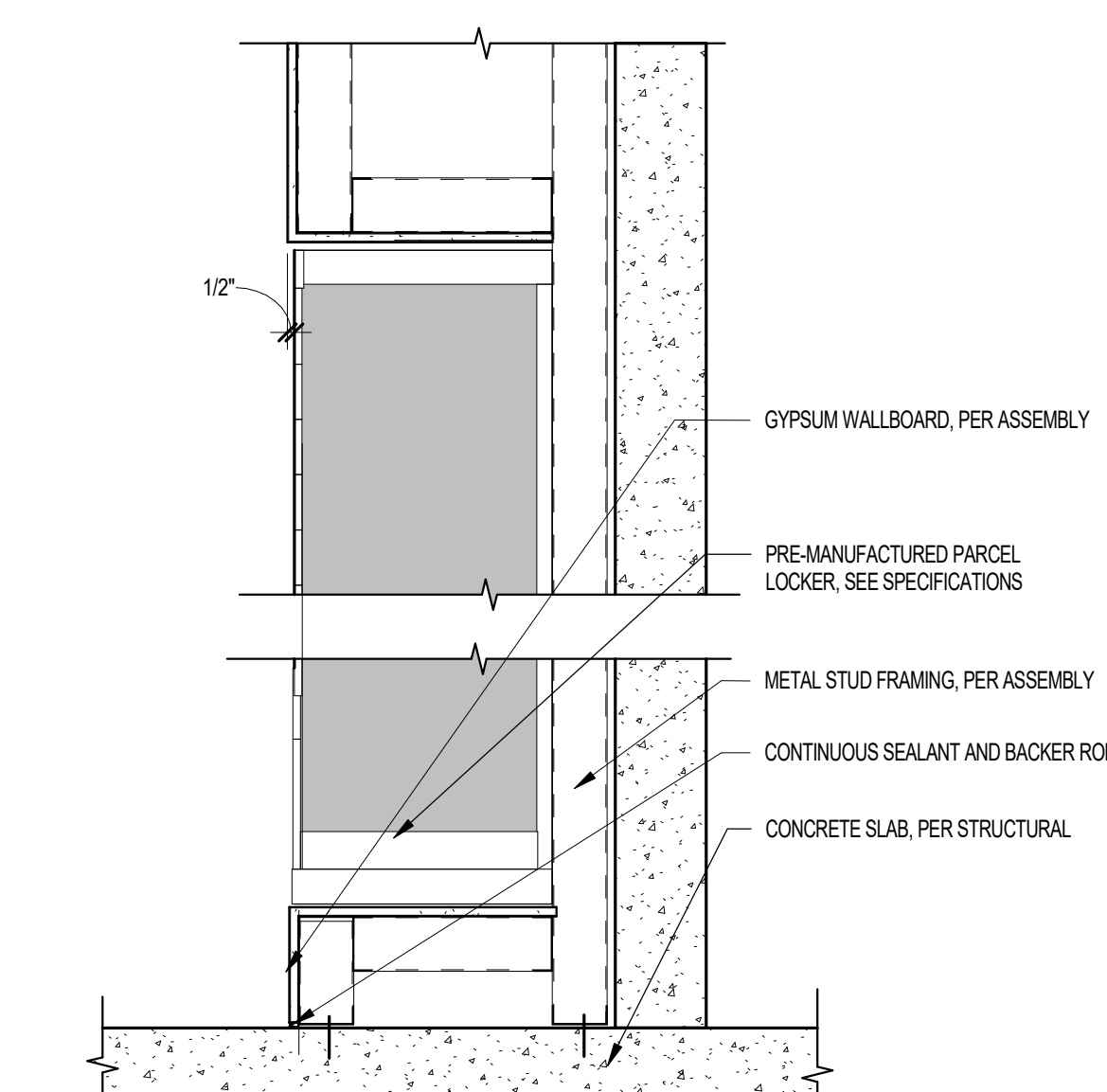
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, in addition to the project in full completion of this project, by these drawings or specifications without the written consent of the Architect.

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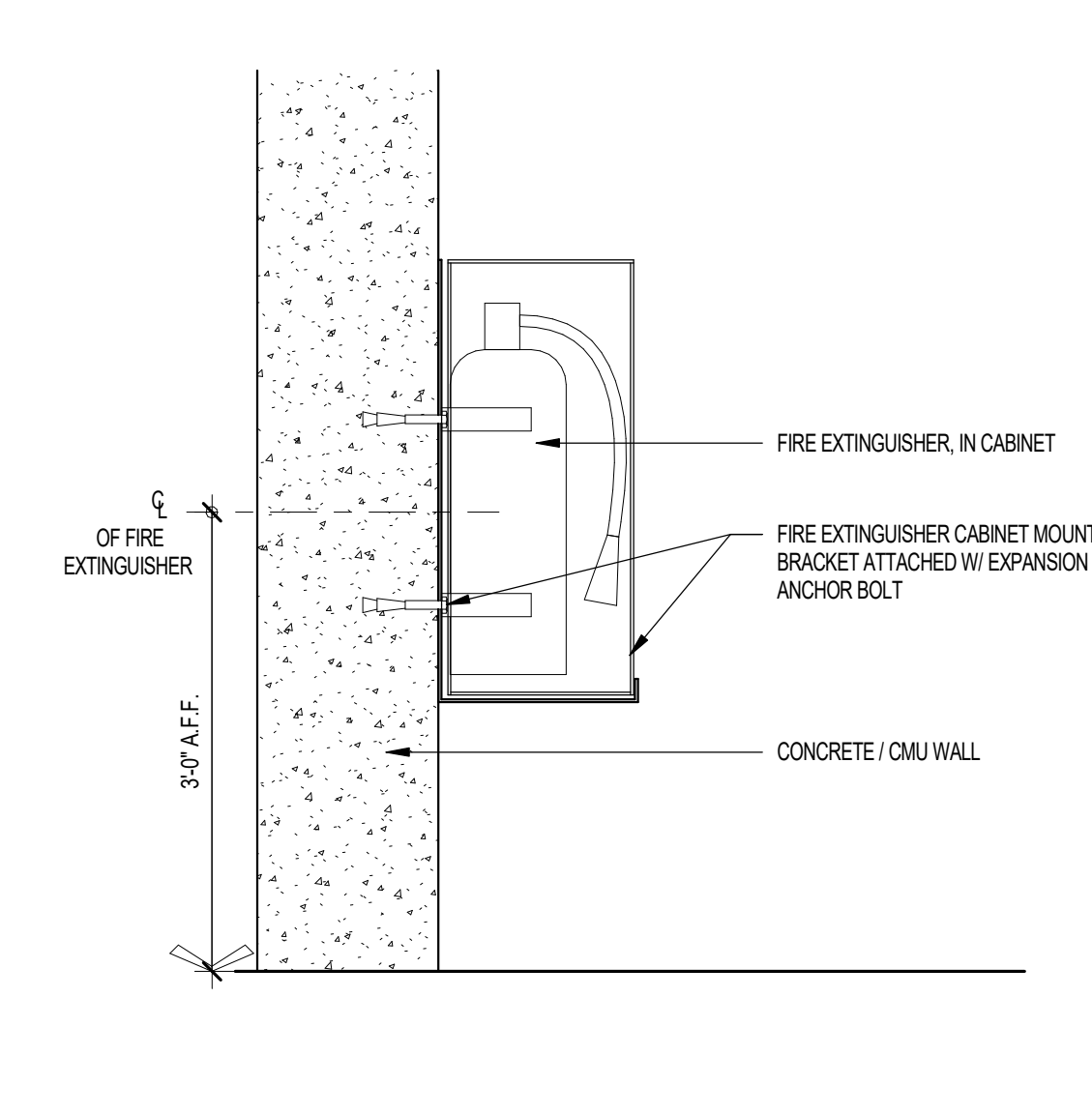
REVISIONS/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

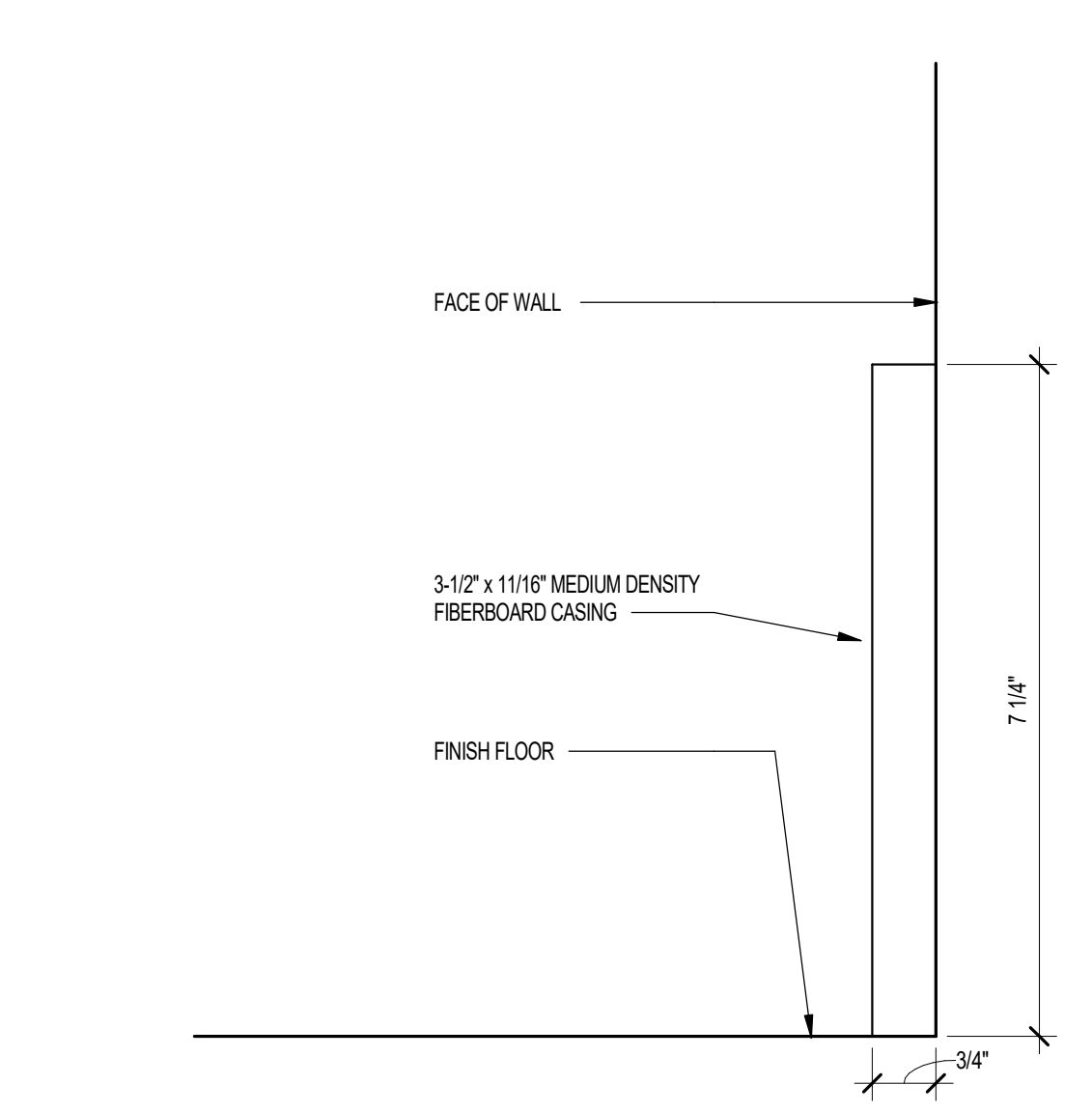
A7.6.30
COMMON SPACE DETAILS



12 PARCEL LOCKER - METAL FRAMING
SCALE: 1" = 1'-0"

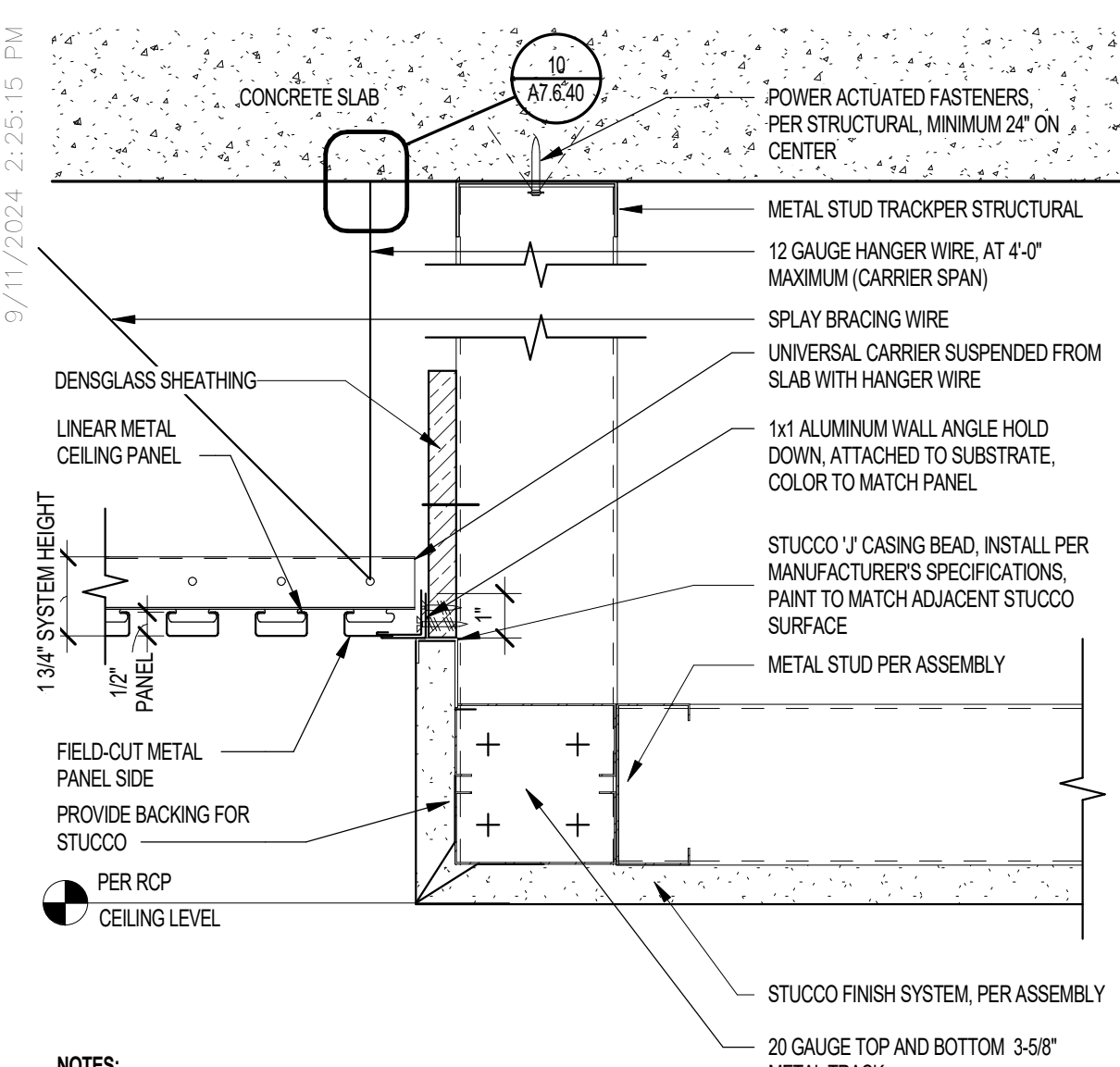


08 SURFACE MOUNT FIRE EXTINGUISHER CABINET
SCALE: 1 1/2" = 1'-0"

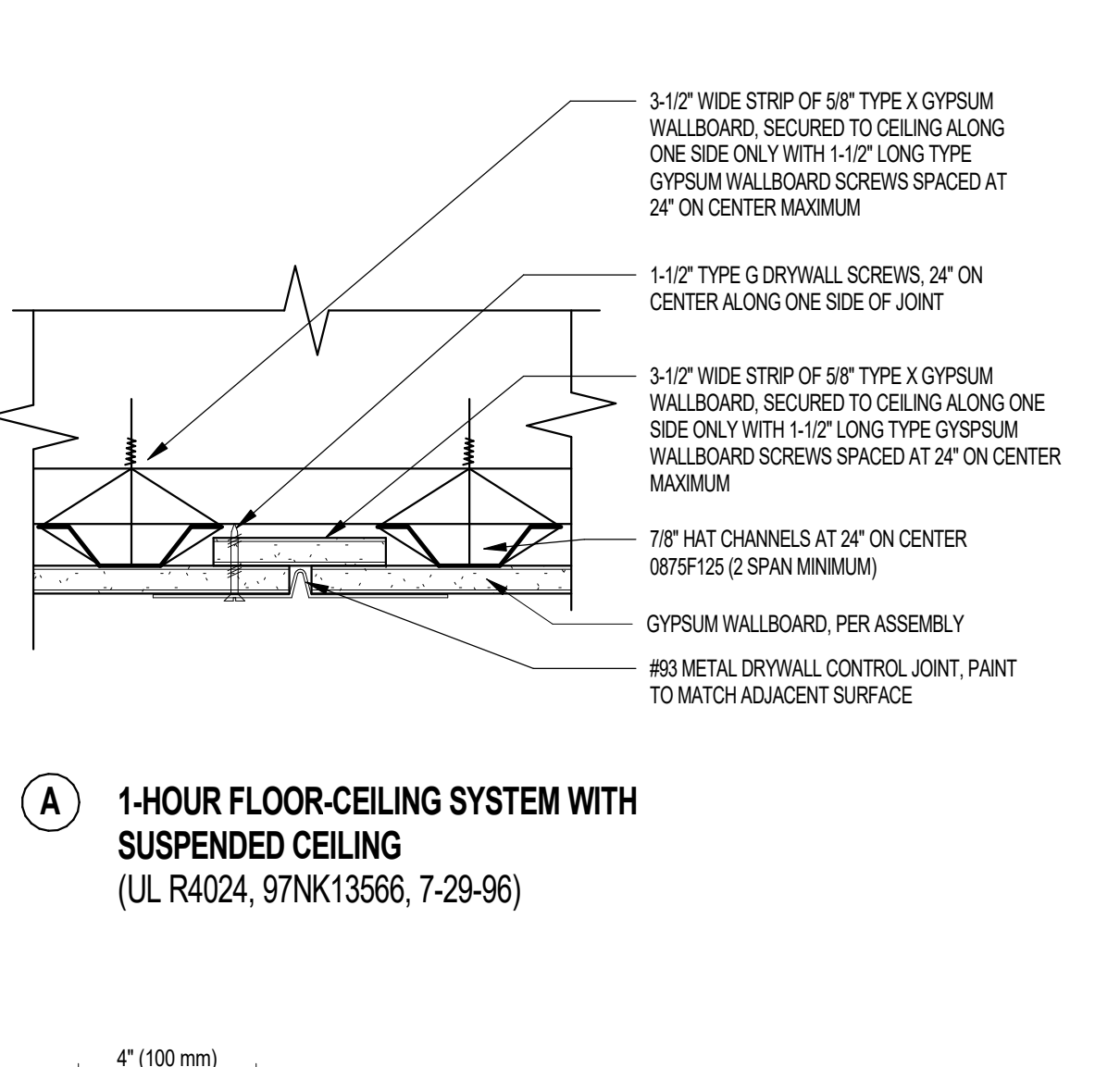


04 COMMON AREA BASEBOARD
SCALE: 6" = 1'-0"

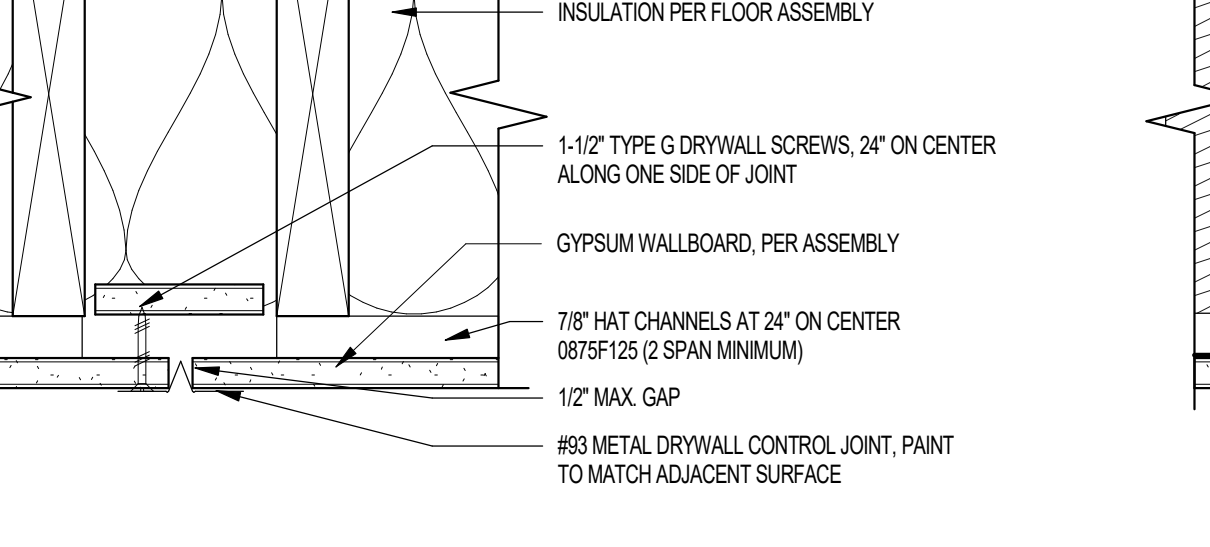
9/11/2024 2:25:15 PM Autodesk Docs // 00-000 Revit Detail Library/Revit - Standard Details Library H4E.44



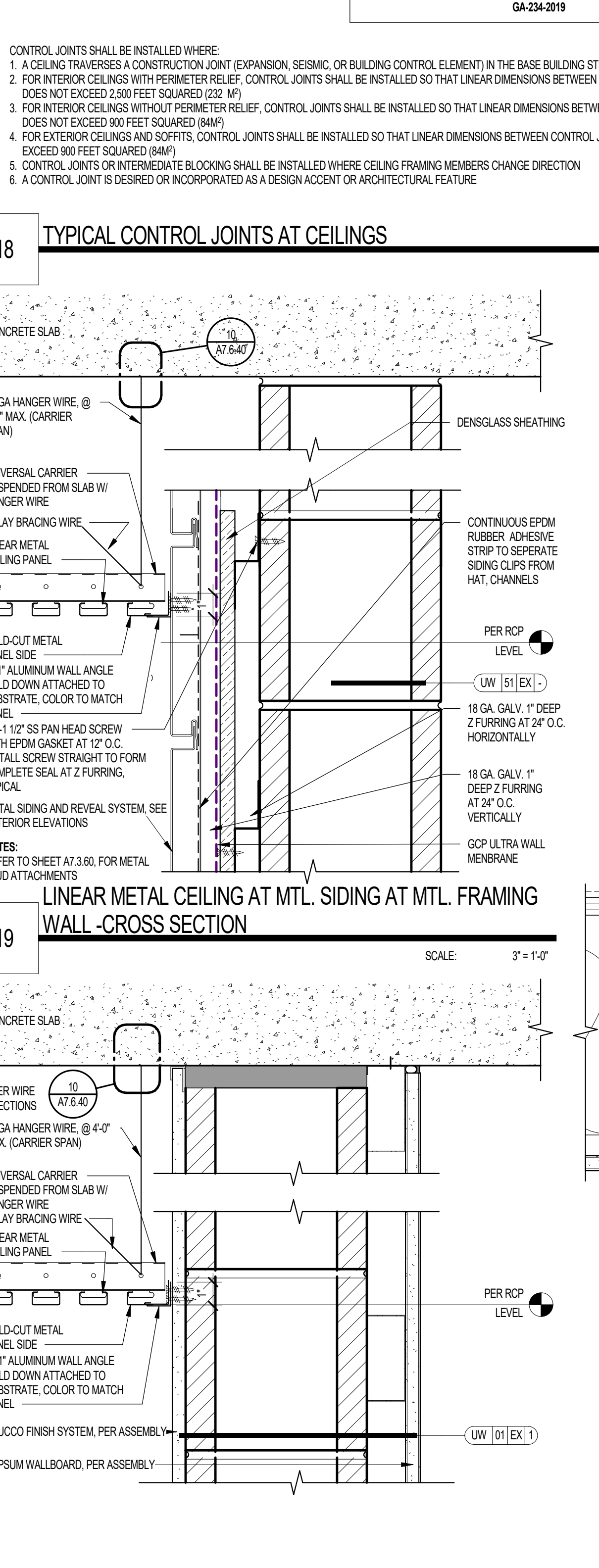
21 LINEAR METAL CEILING AT STUCCO SOFFIT - CROSS SECTION SCALE: 3\"/>



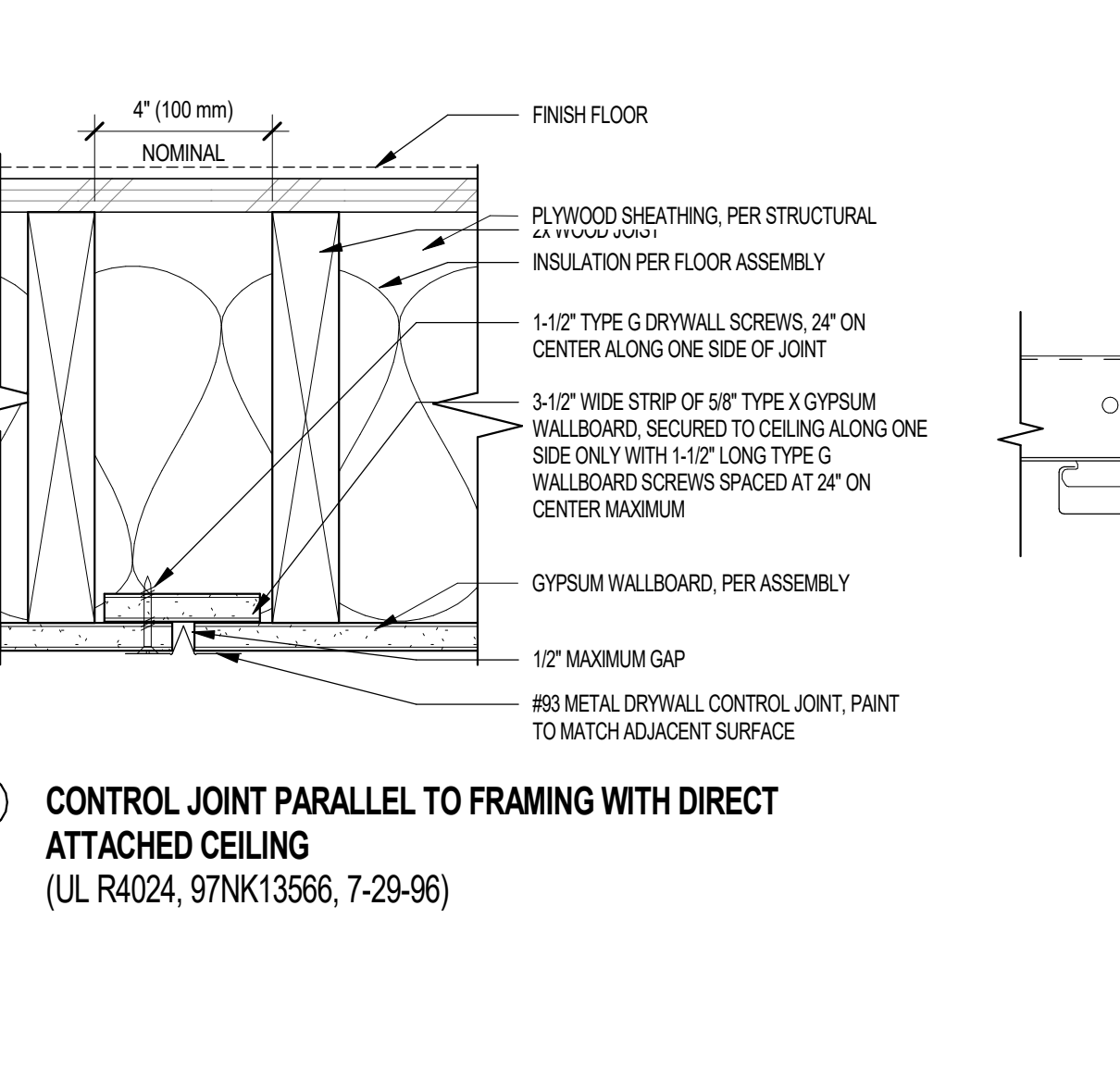
18 TYPICAL CONTROL JOINTS AT CEILINGS SCALE: 3\"/>



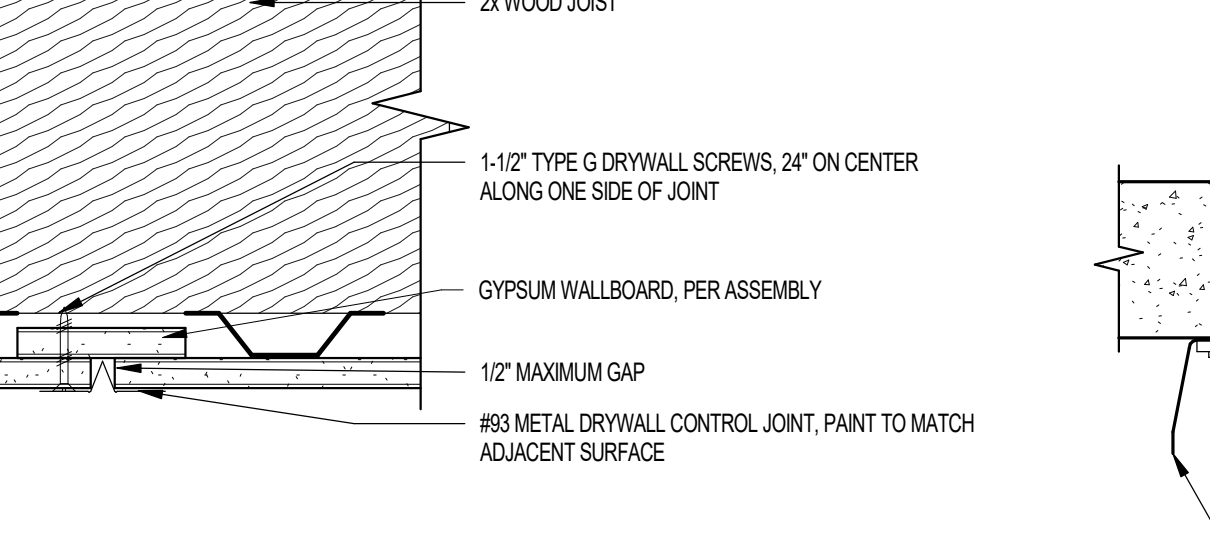
19 LINEAR METAL CEILING AT MTL. SIDING AT MTL. FRAMING WALL - CROSS SECTION SCALE: 3\"/>



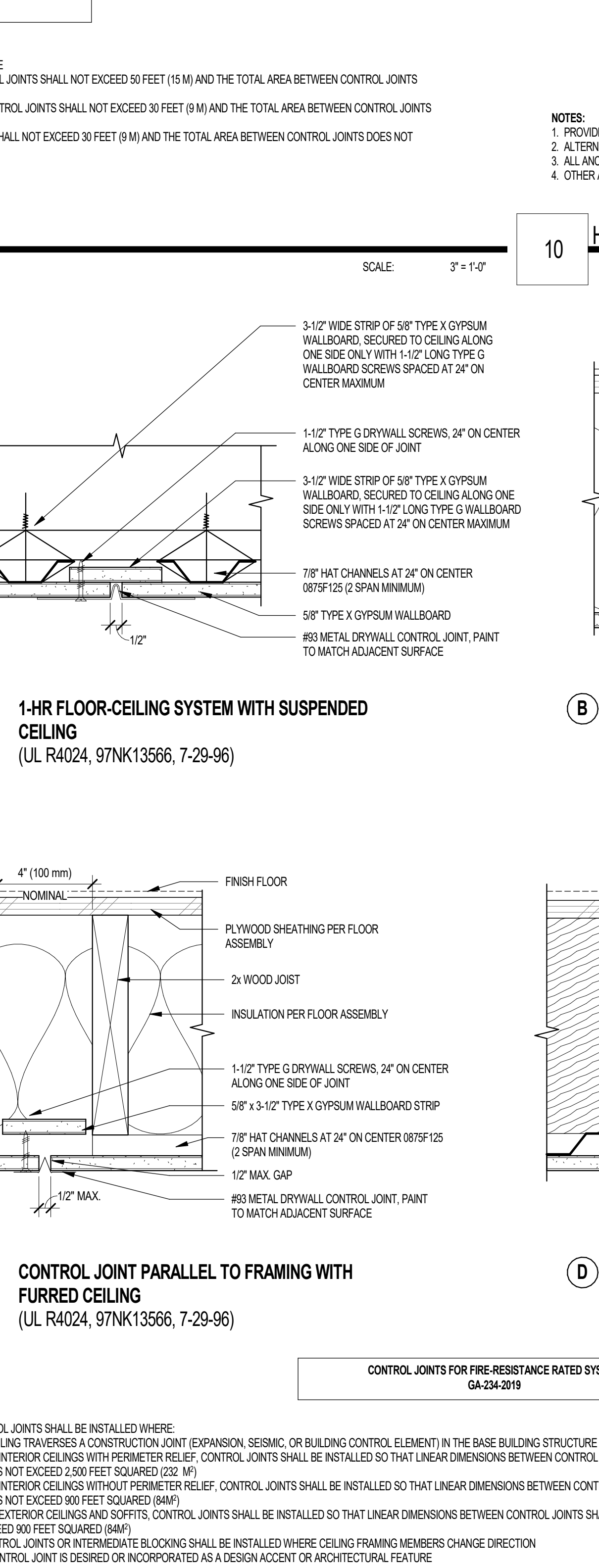
20 LINEAR METAL CEILING AT BRICK VENEER CMU WALL - CROSS SECTION SCALE: 3\"/>



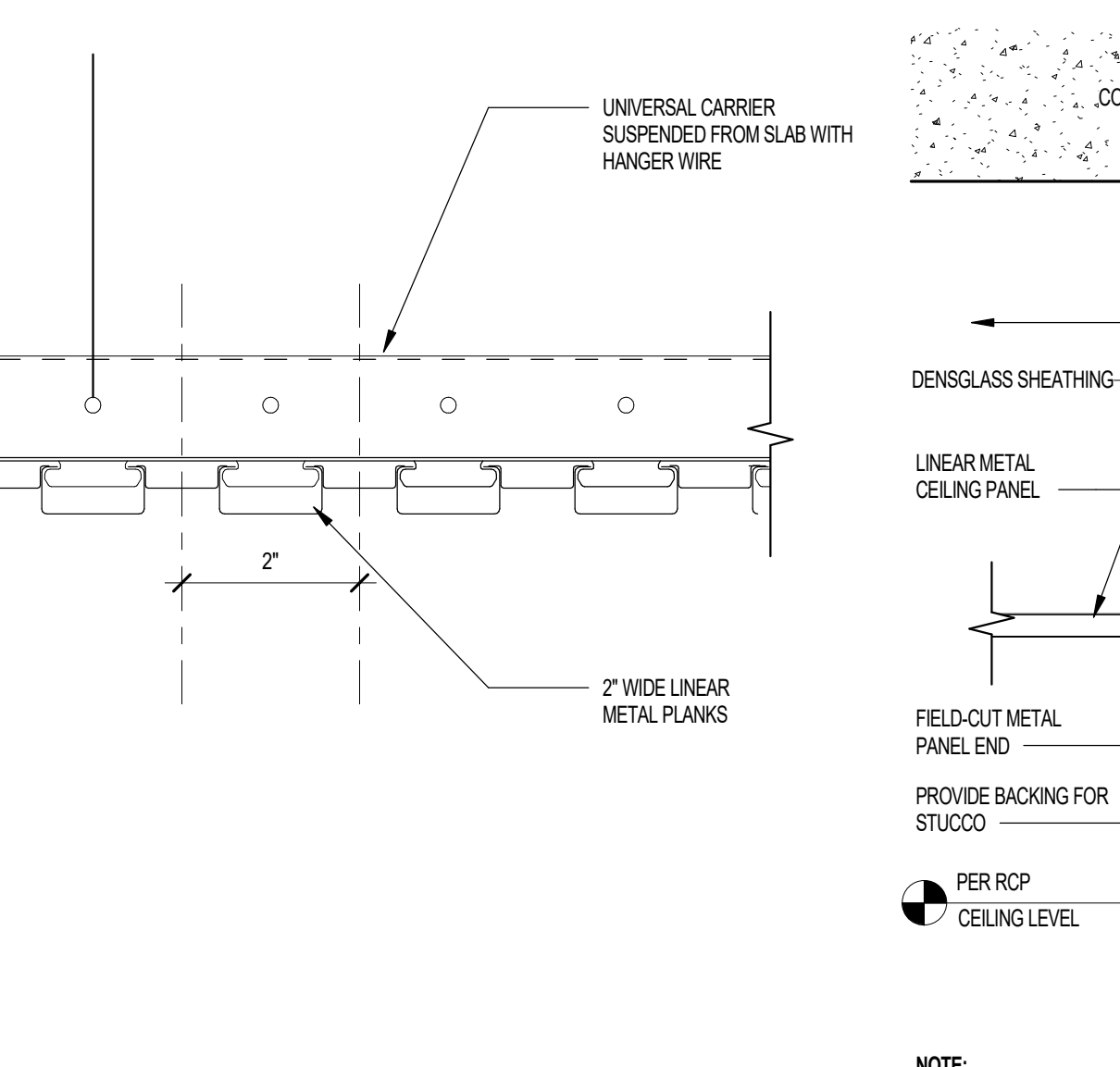
10 HANGER WIRE CONNECTIONS SCALE: 1 1/2\"/>



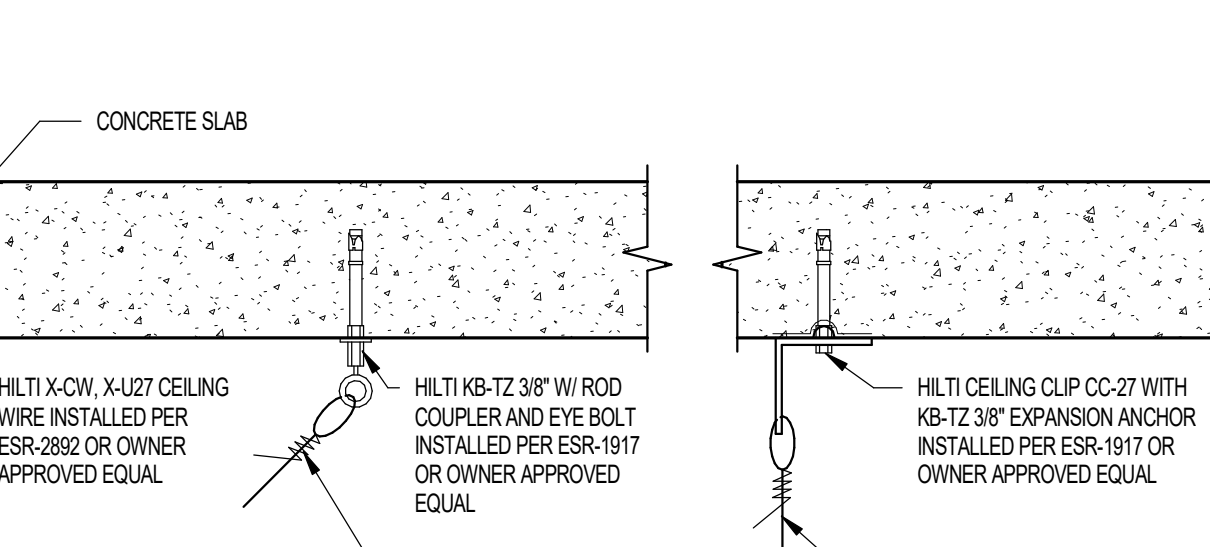
11 CONTROL JOINTS FOR FIRE-RESISTANCE RATED SYSTEM GA-234-2019



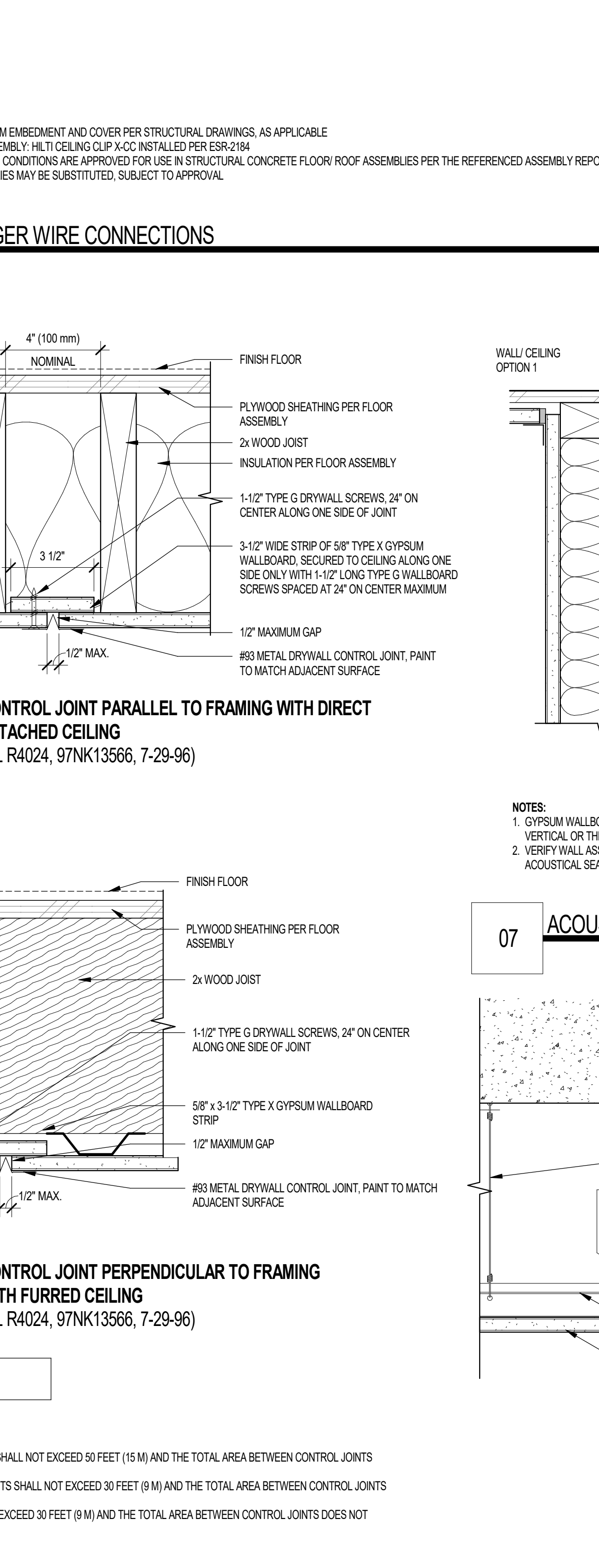
16 TYPICAL CONTROL JOINTS AT CEILINGS SCALE: 3\"/>



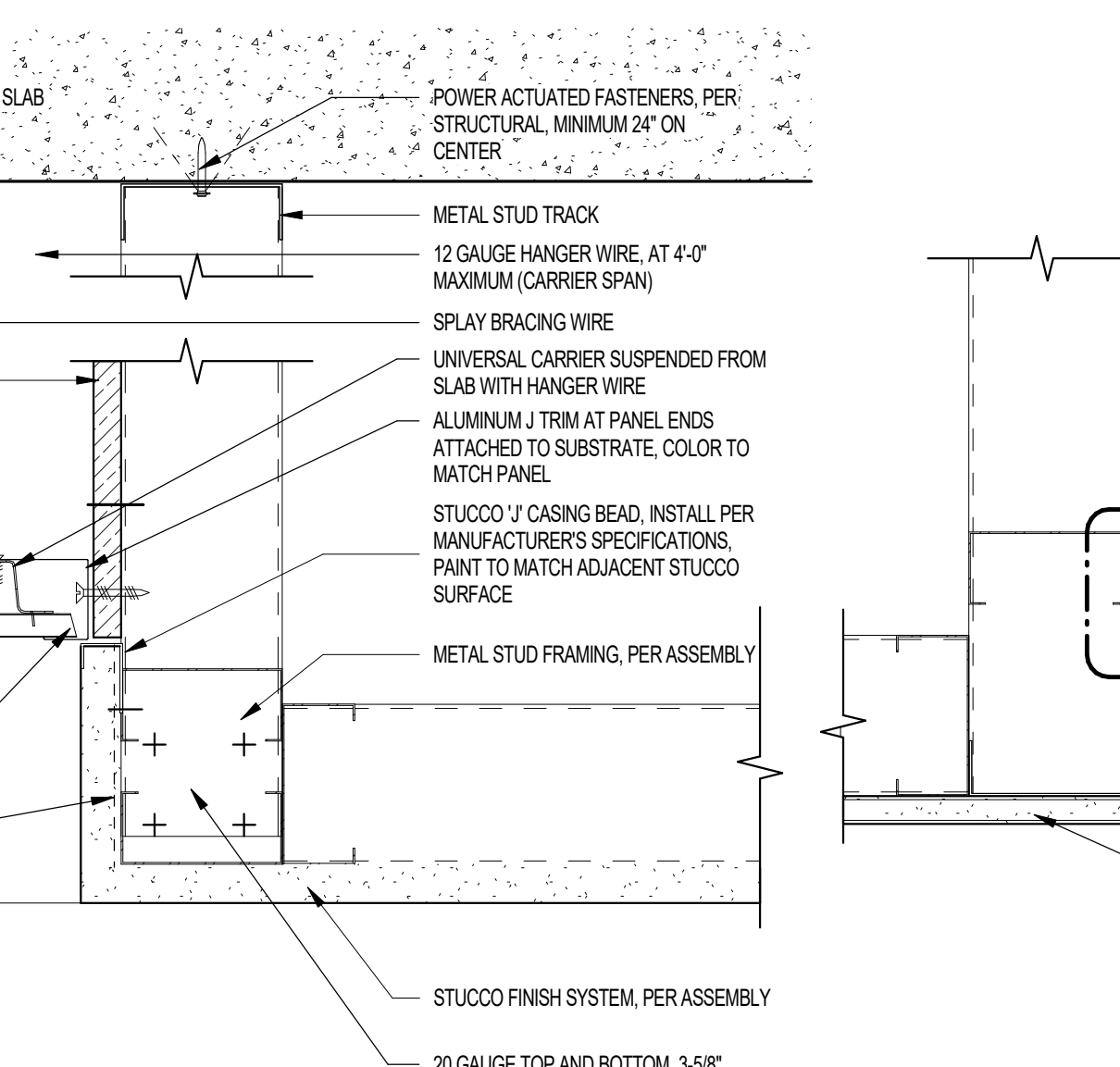
09 LINEAR METAL CEILING - CROSS SECTION SCALE: 6\"/>



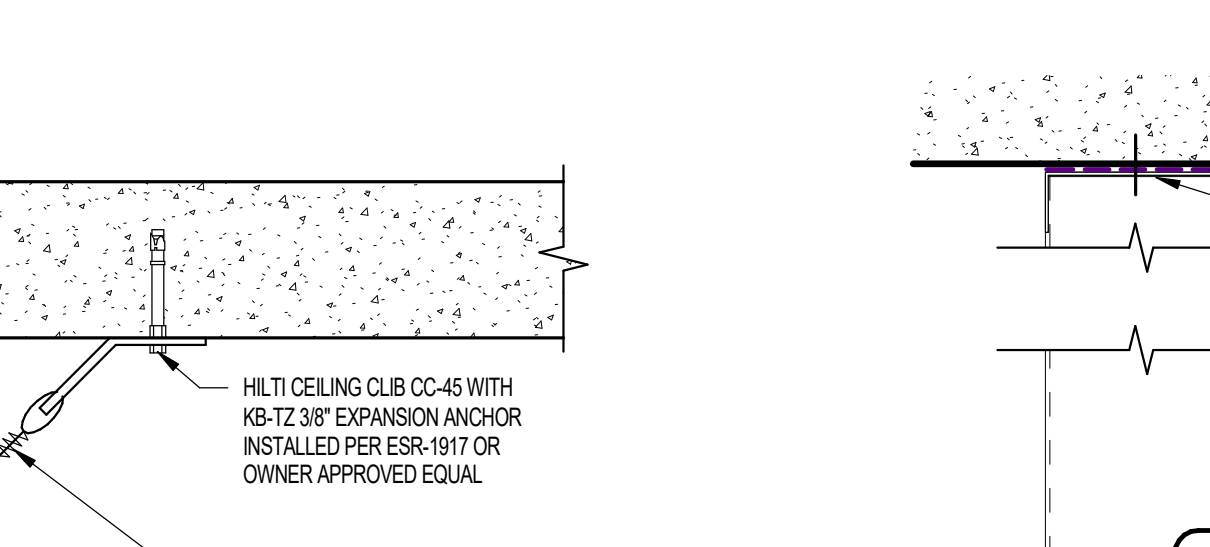
10 HANGER WIRE CONNECTIONS (FOR ACOUSTIC CEILING ONLY) SCALE: 1 1/2\"/>



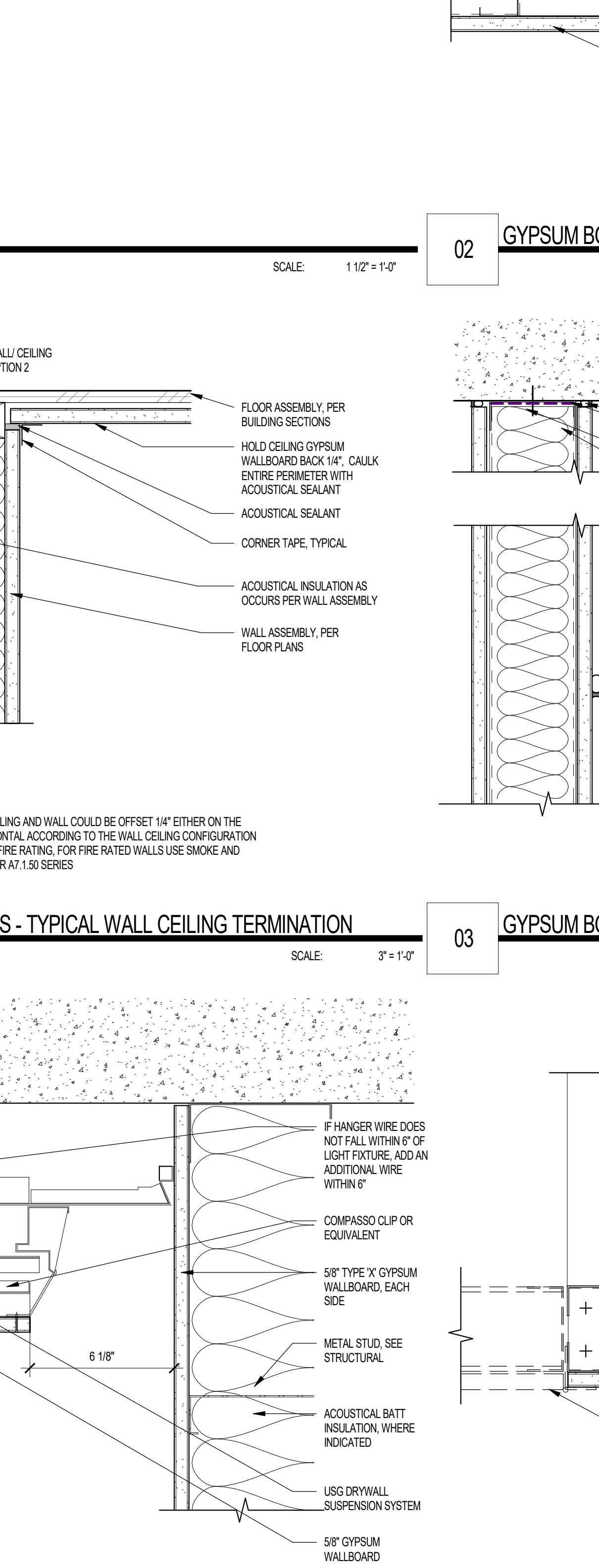
17 CONTROL JOINTS FOR FIRE-RESISTANCE RATED SYSTEM GA-234-2019



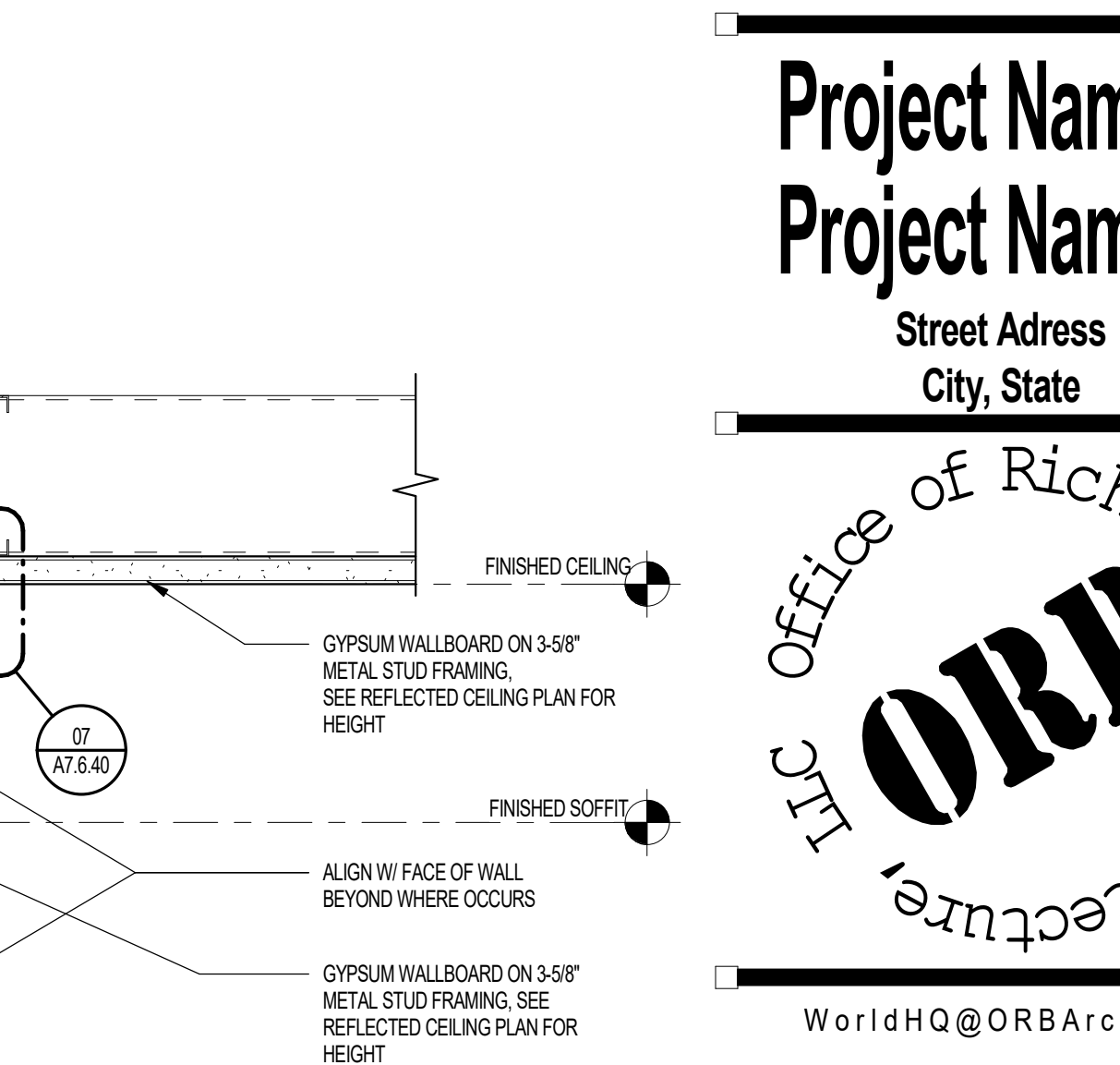
05 LINEAR METAL CEILING AT STUCCO SOFFIT - TRANSVERSE SECTION SCALE: 3\"/>



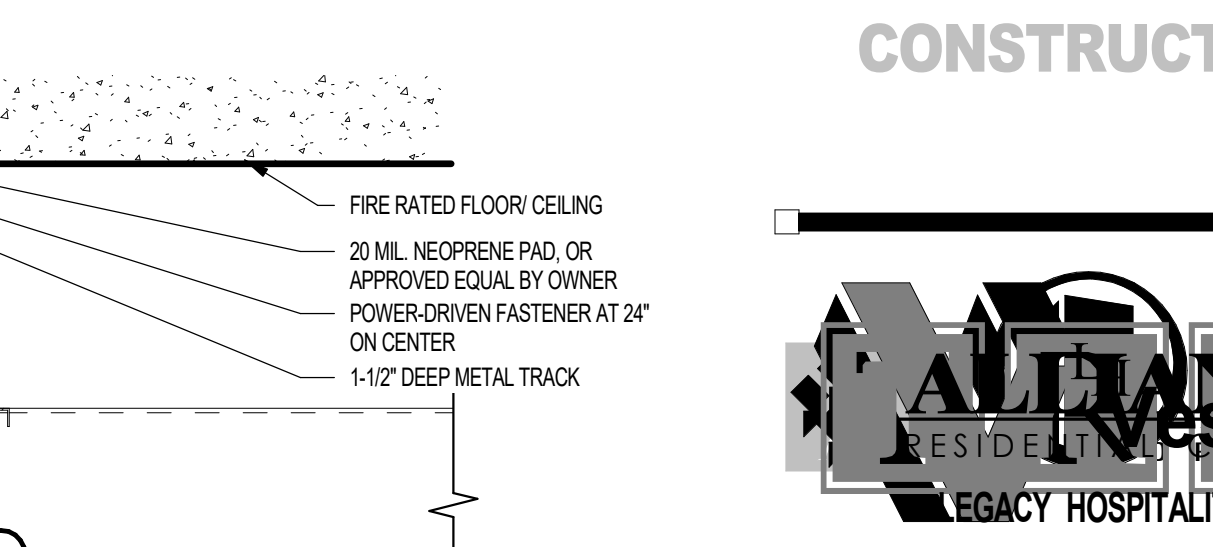
10 HANGER WIRE OPTION 2 SCALE: 1 1/2\"/>



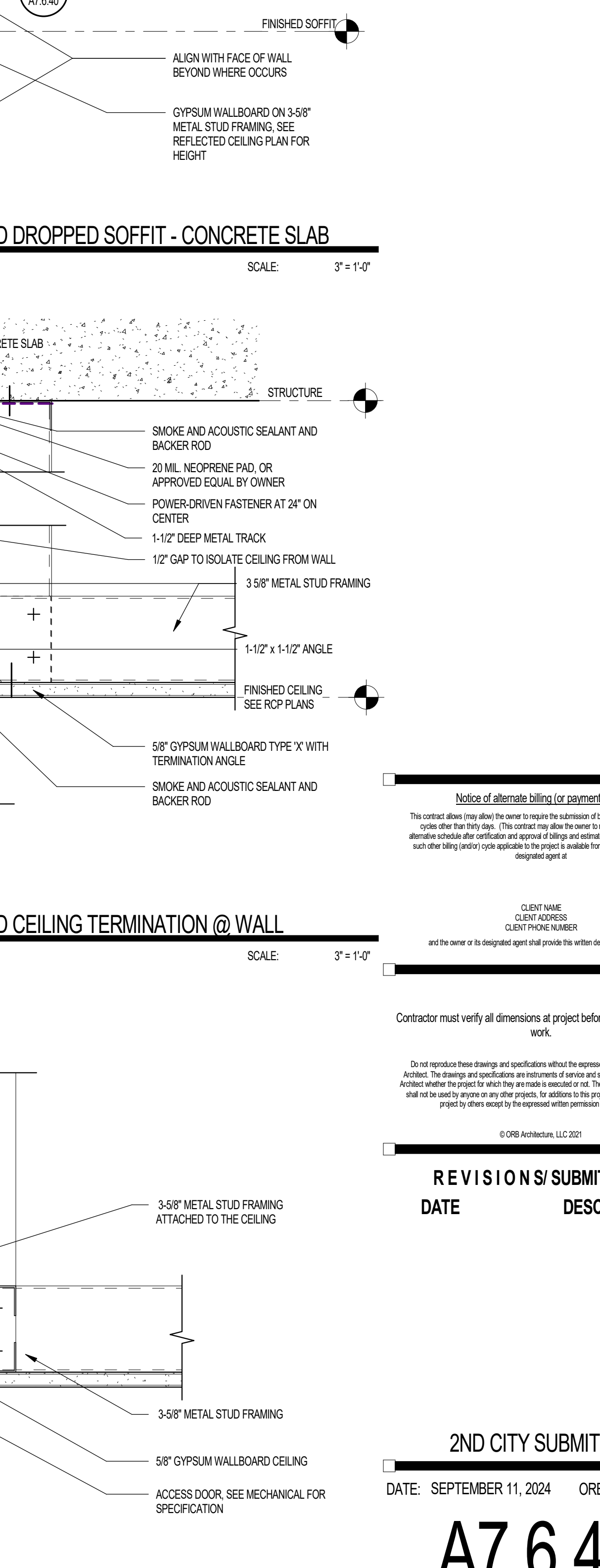
07 ACOUSTICS - TYPICAL WALL CEILING TERMINATION SCALE: 3\"/>



01 GYPSUM BOARD DROPPED SOFFIT SCALE: 3\"/>



02 GYPSUM BOARD DROPPED SOFFIT - CONCRETE SLAB SCALE: 3\"/>



03 GYPSUM BOARD CEILING TERMINATION @ WALL SCALE: 3\"/>

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Notice of alternate billing (or payment) cycle
This contract may allow the contractor to request the admission of change or addition to billing cycle after the first date. This contract shall not be used for any other projects. A written decision of the contractor shall be provided to the project manager within the time frame of the contractor's request.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written consent on request.

Contractor must verify all dimensions of project before proceeding with this work.

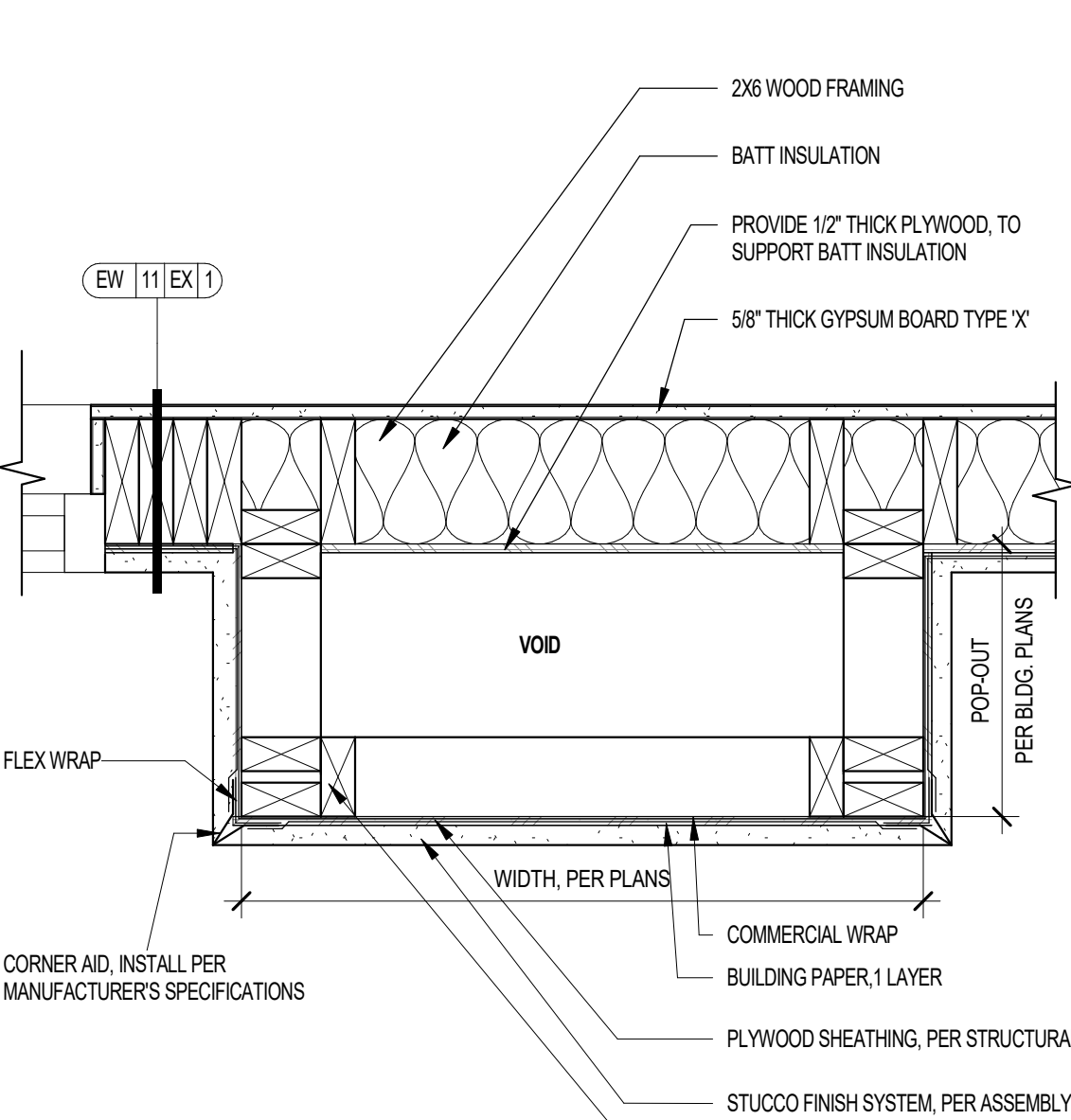
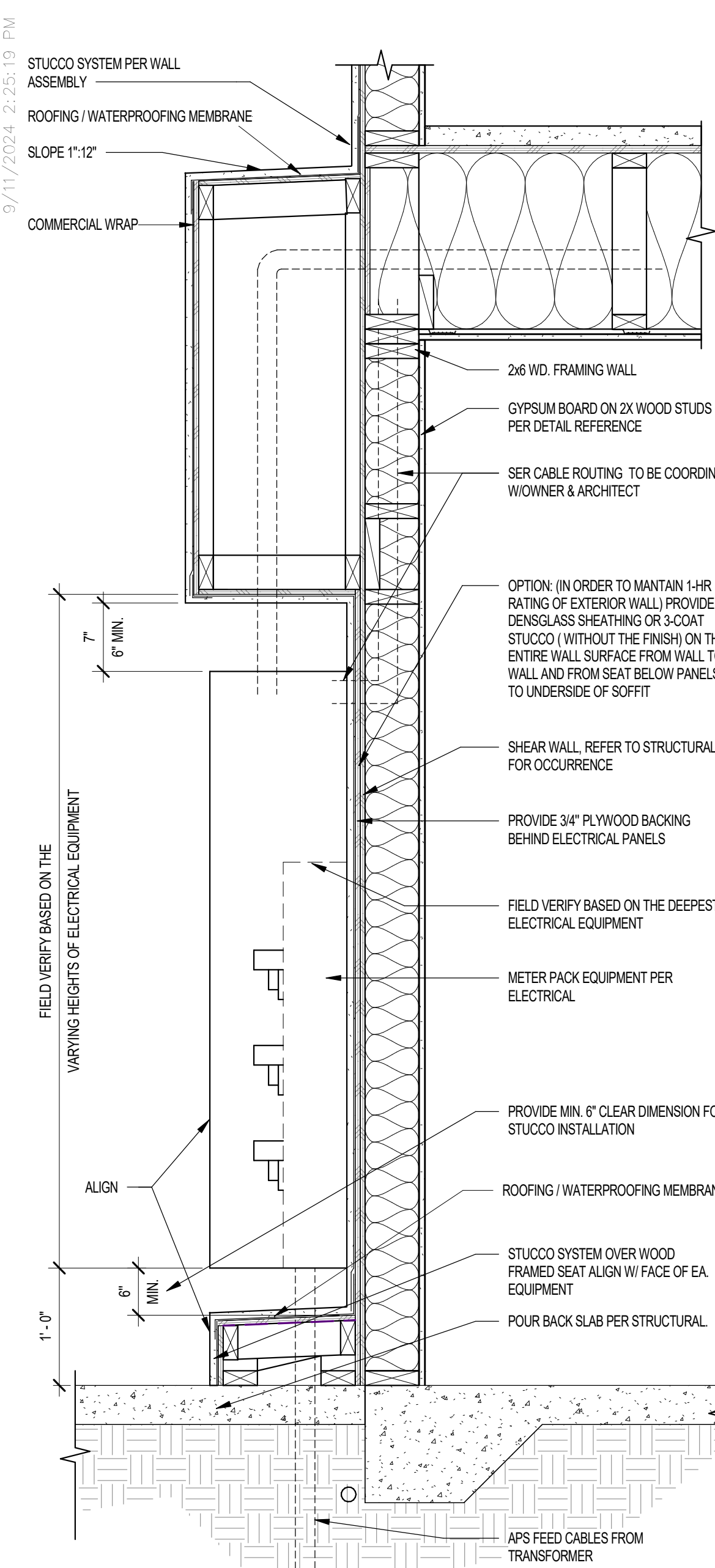
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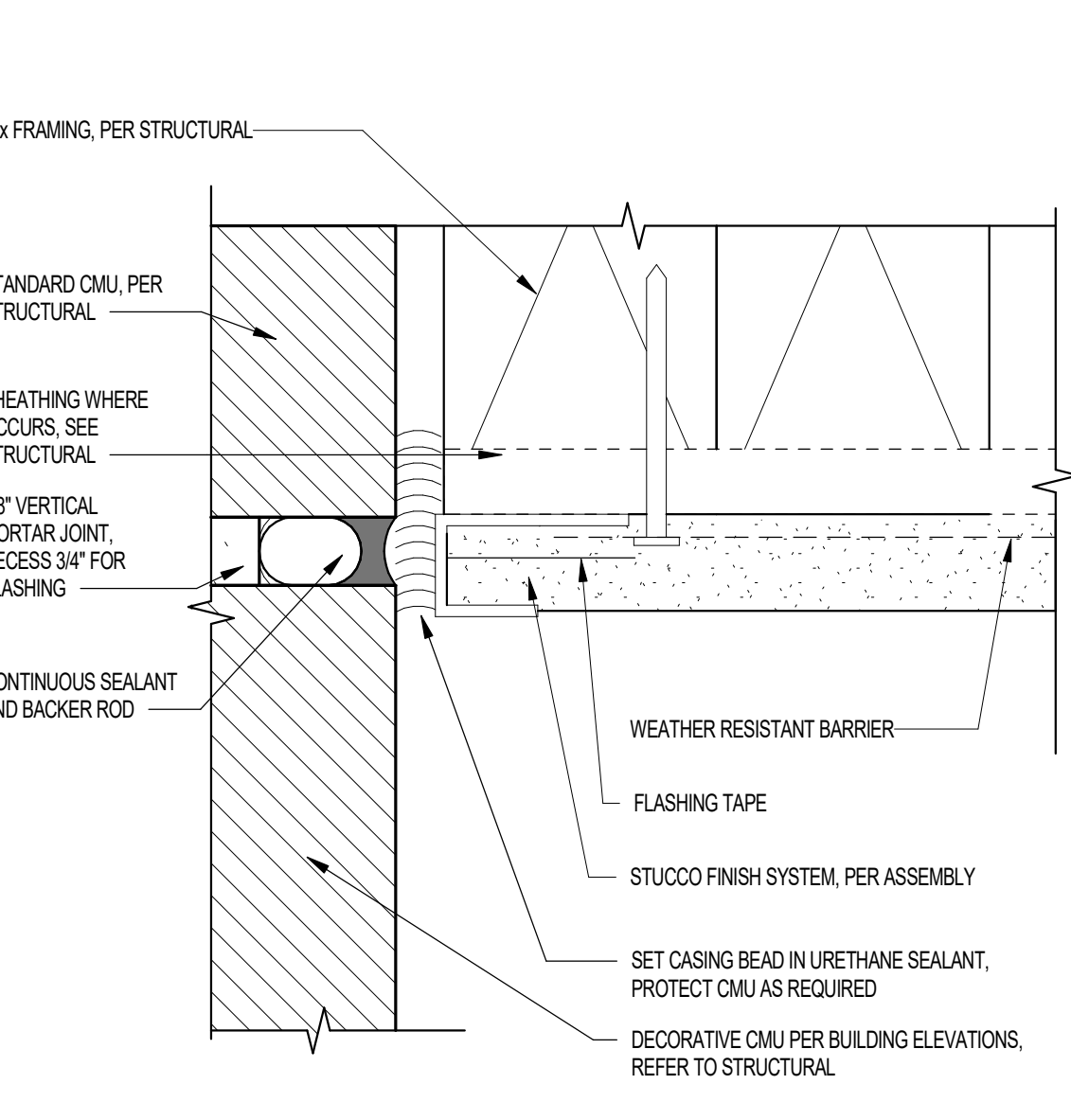
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

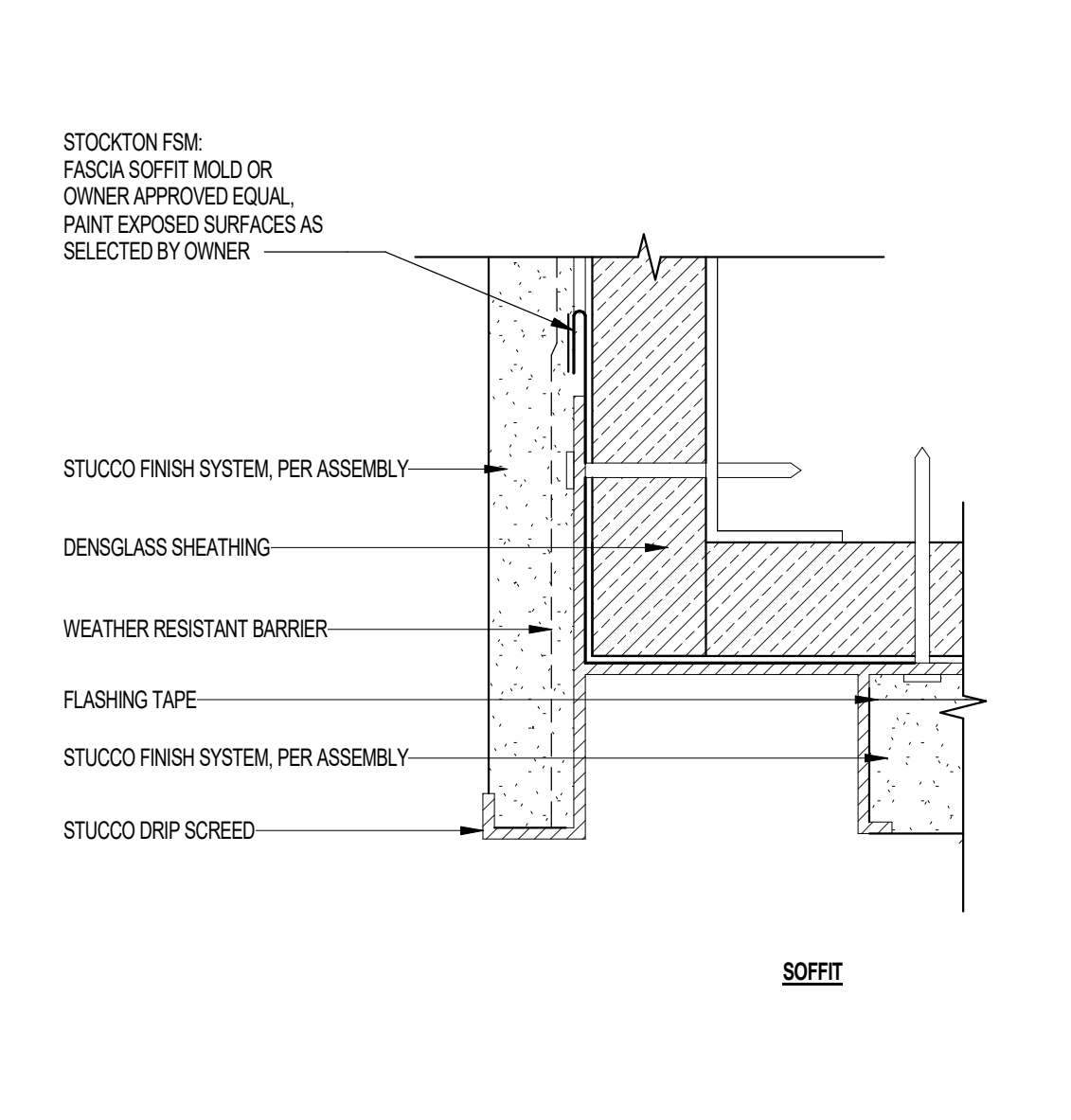
A7.6.40
REFLECTED CEILING DETAILS



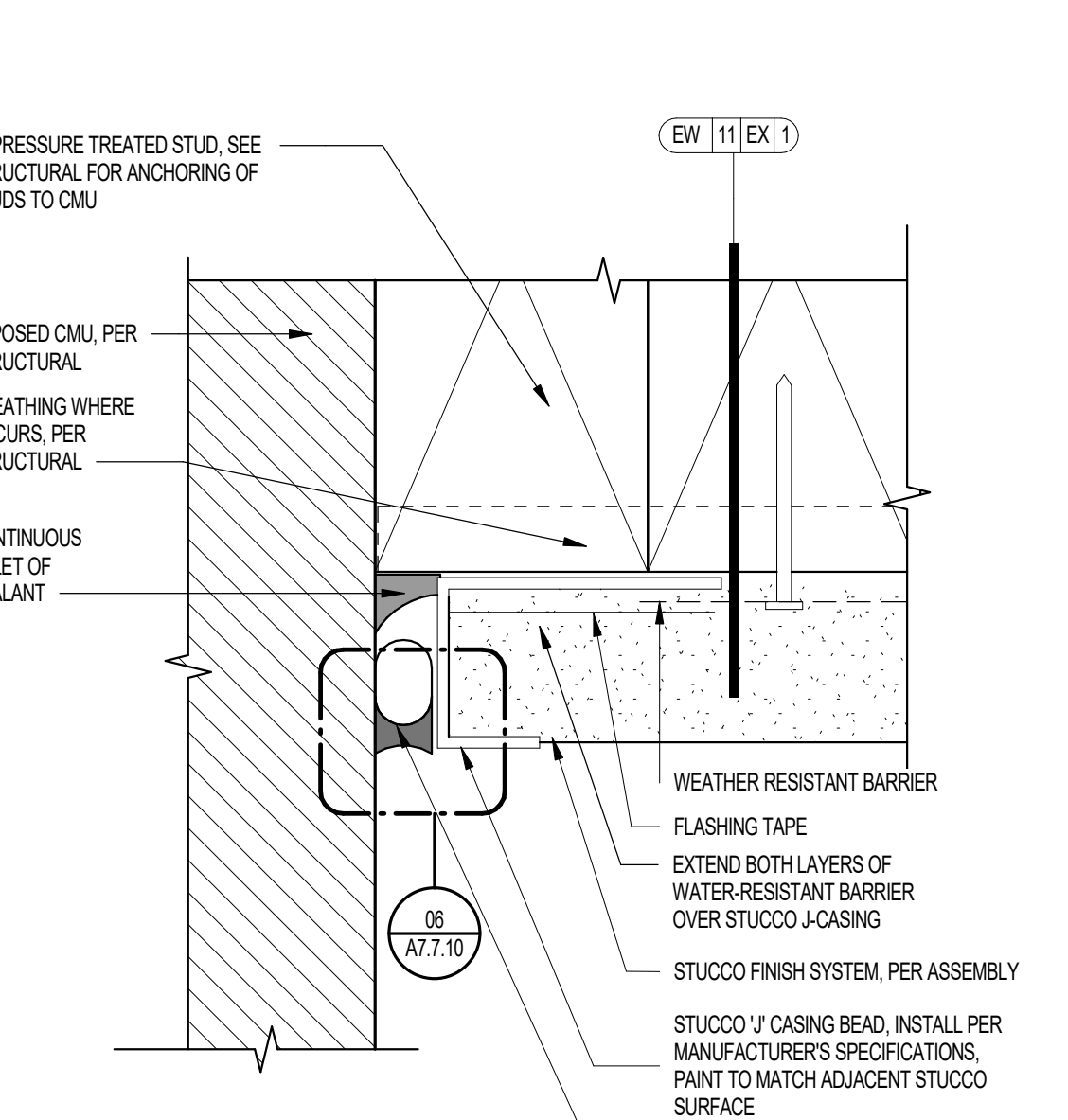
17 VENT AT POP-OUT FRAMING - PLAN VIEW SCALE: 1 1/2" = 1'-0"



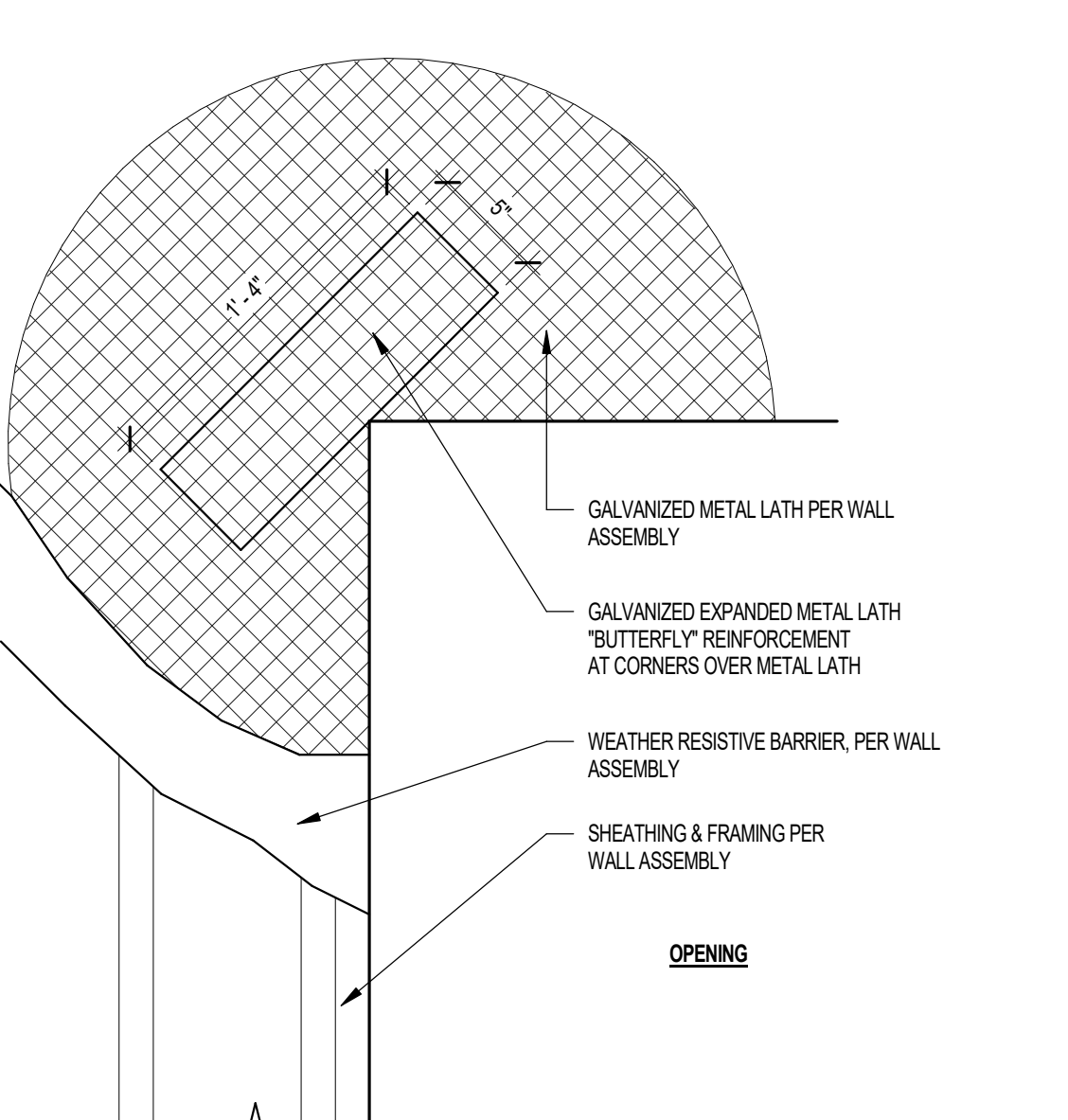
13 VERTICAL FLASHING AT DECORATIVE CMU WALL SCALE: 12" = 1'-0"



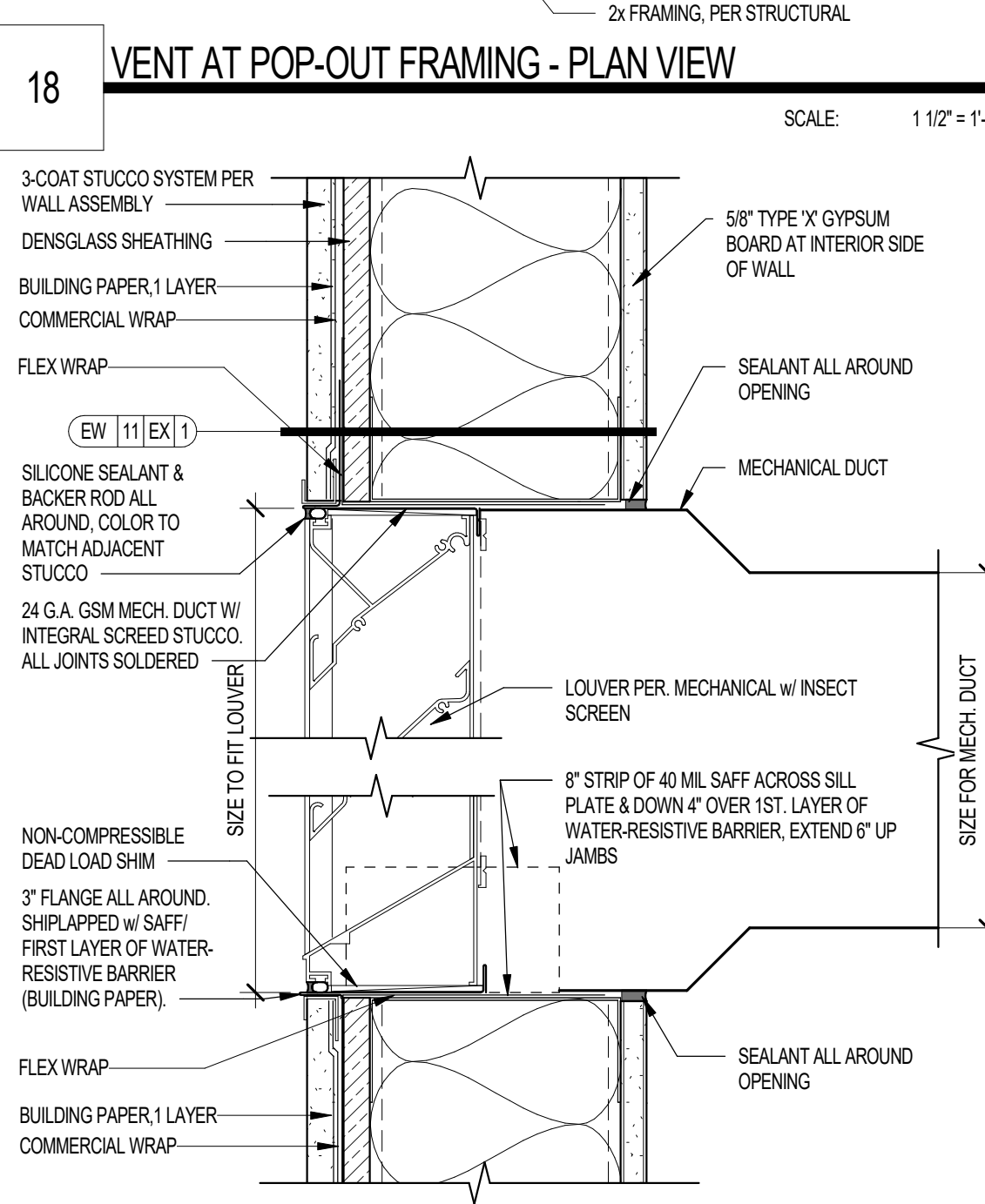
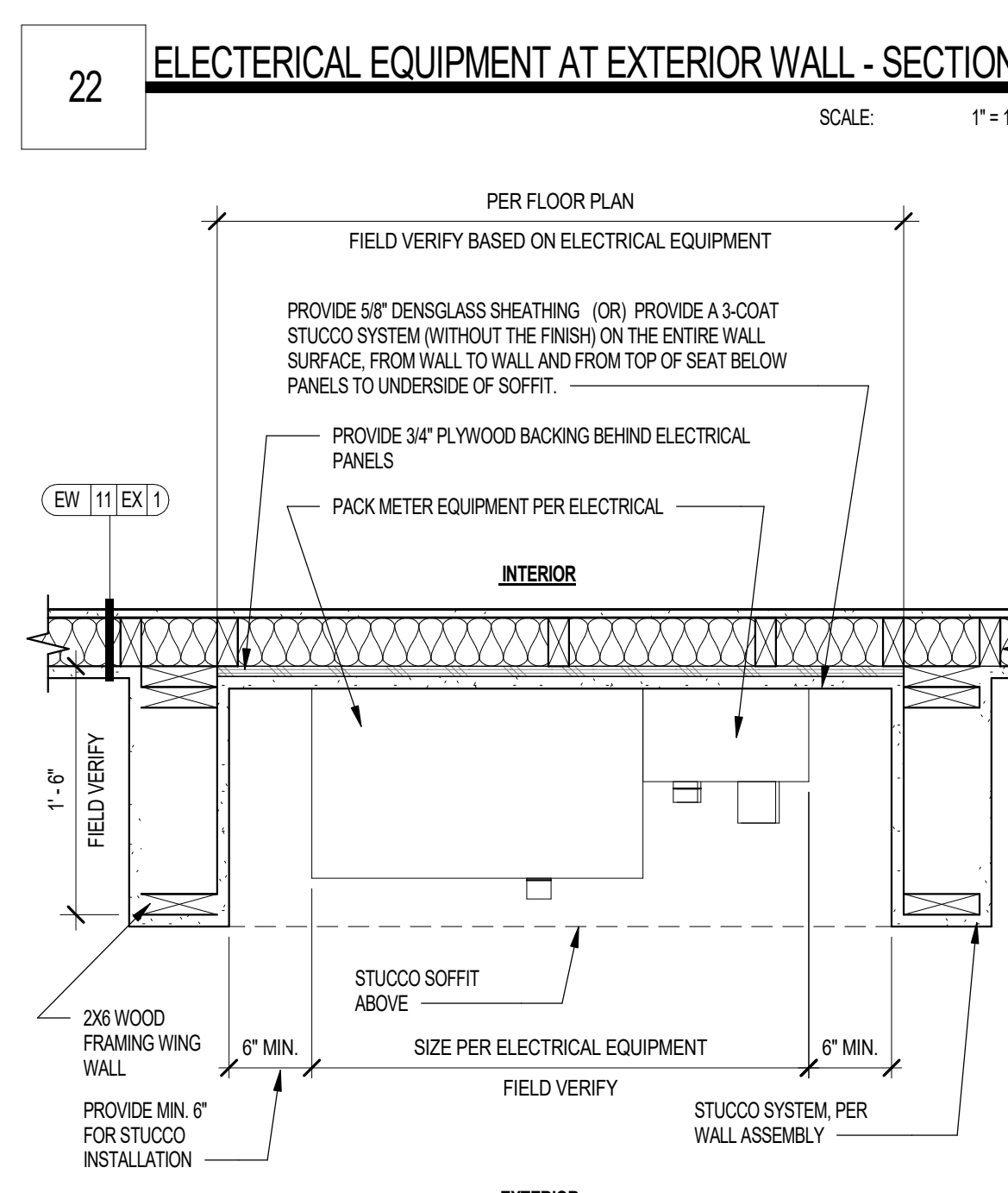
09 FASCIA / SOFFIT EDGE AT STUCCO FINISH SCALE: 12" = 1'-0"



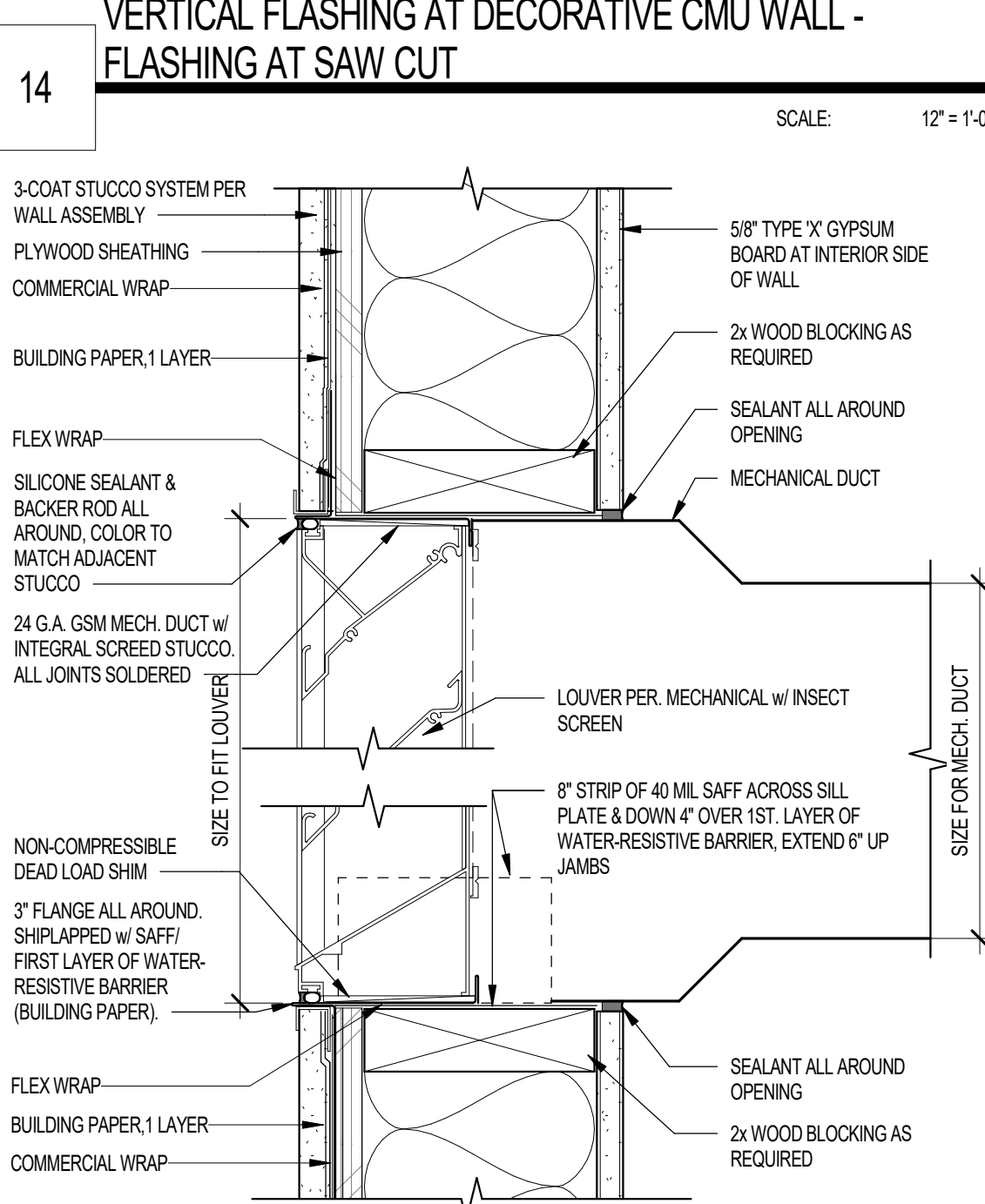
05 JOINT AT EXPOSED CMU WALL WOOD FRAMING SCALE: 12" = 1'-0"



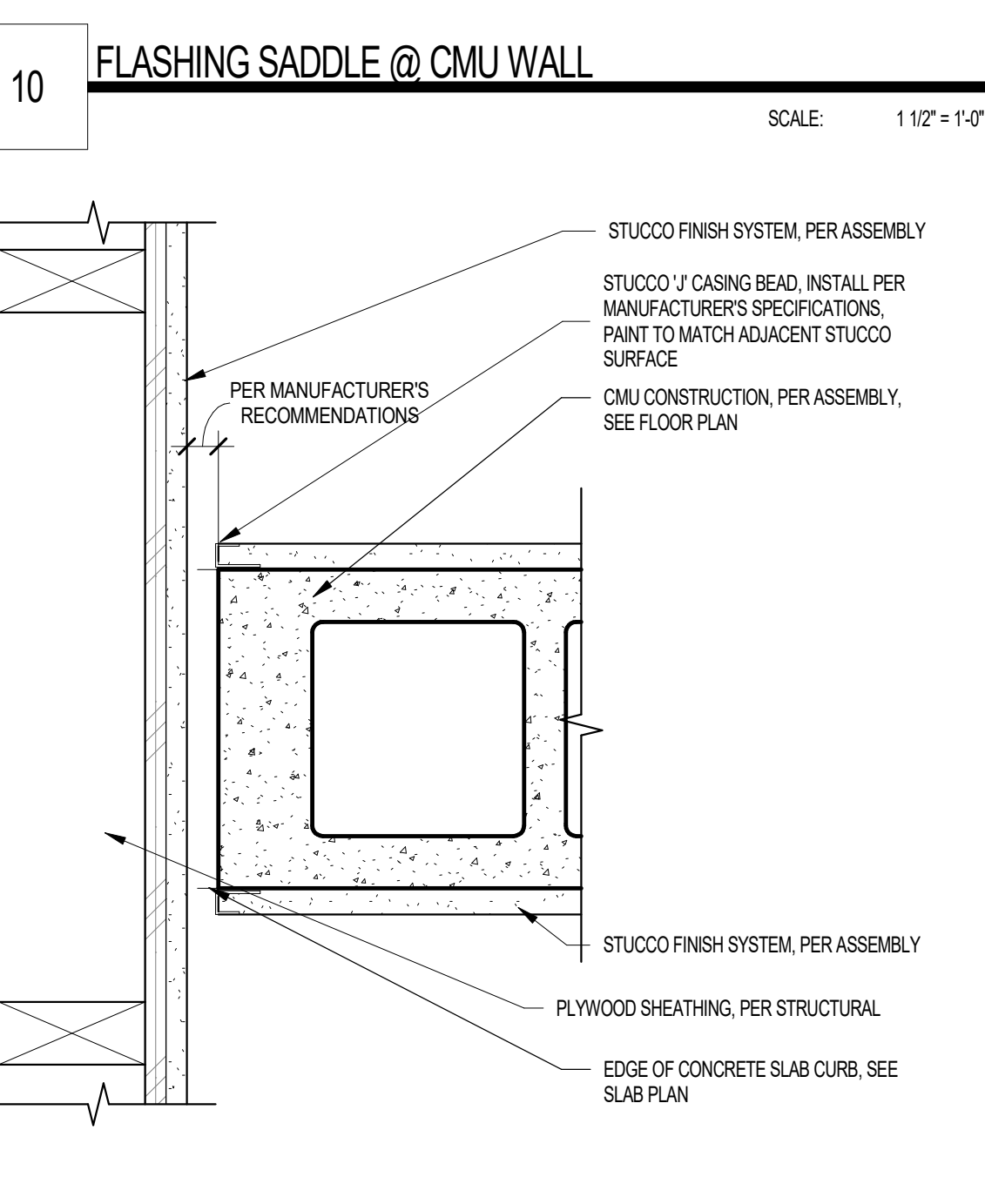
01 TYPICAL CORNER REINFORCING SCALE: 1 1/2" = 1'-0"



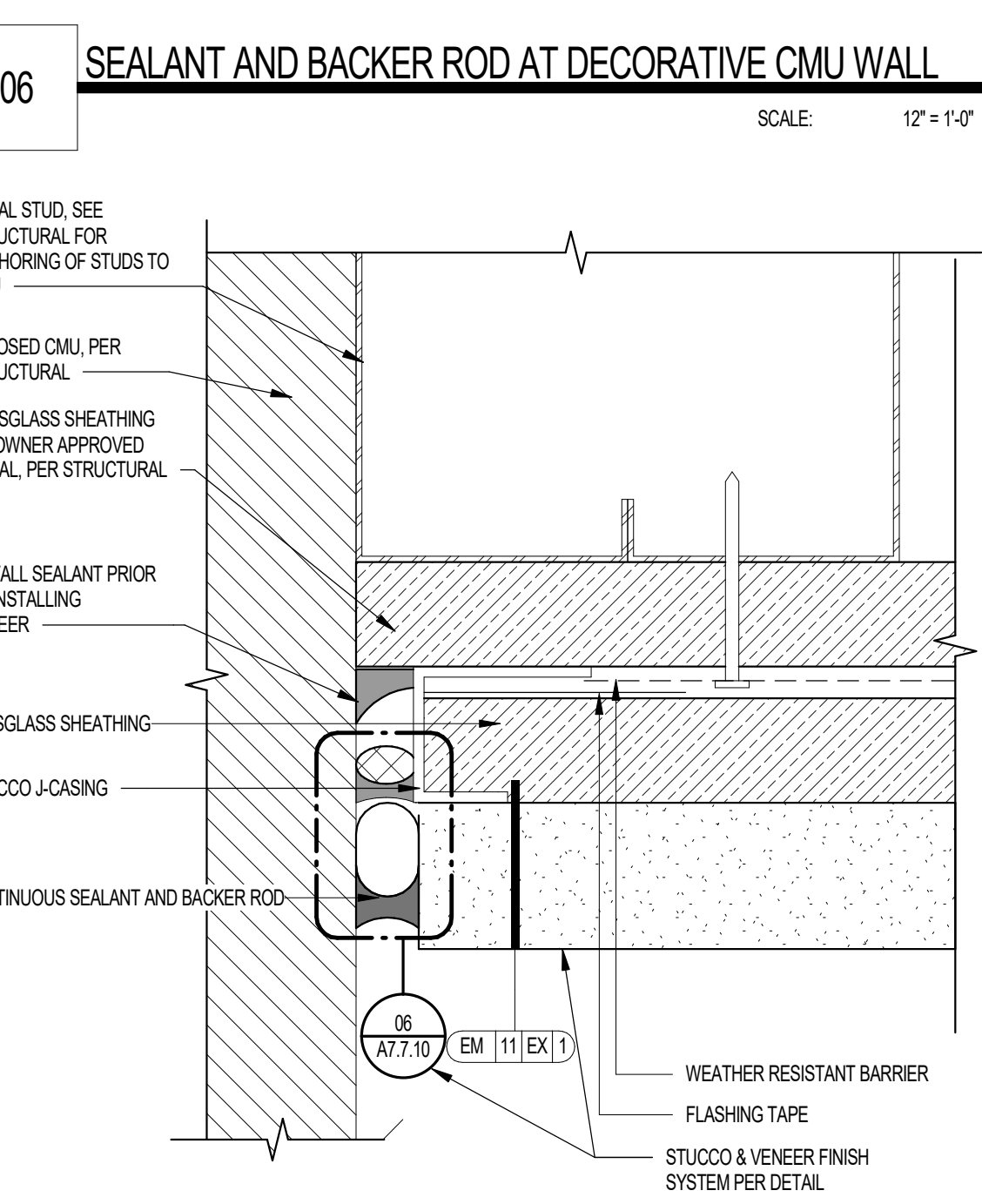
18 VENT AT POP-OUT FRAMING - PLAN VIEW SCALE: 1 1/2" = 1'-0"



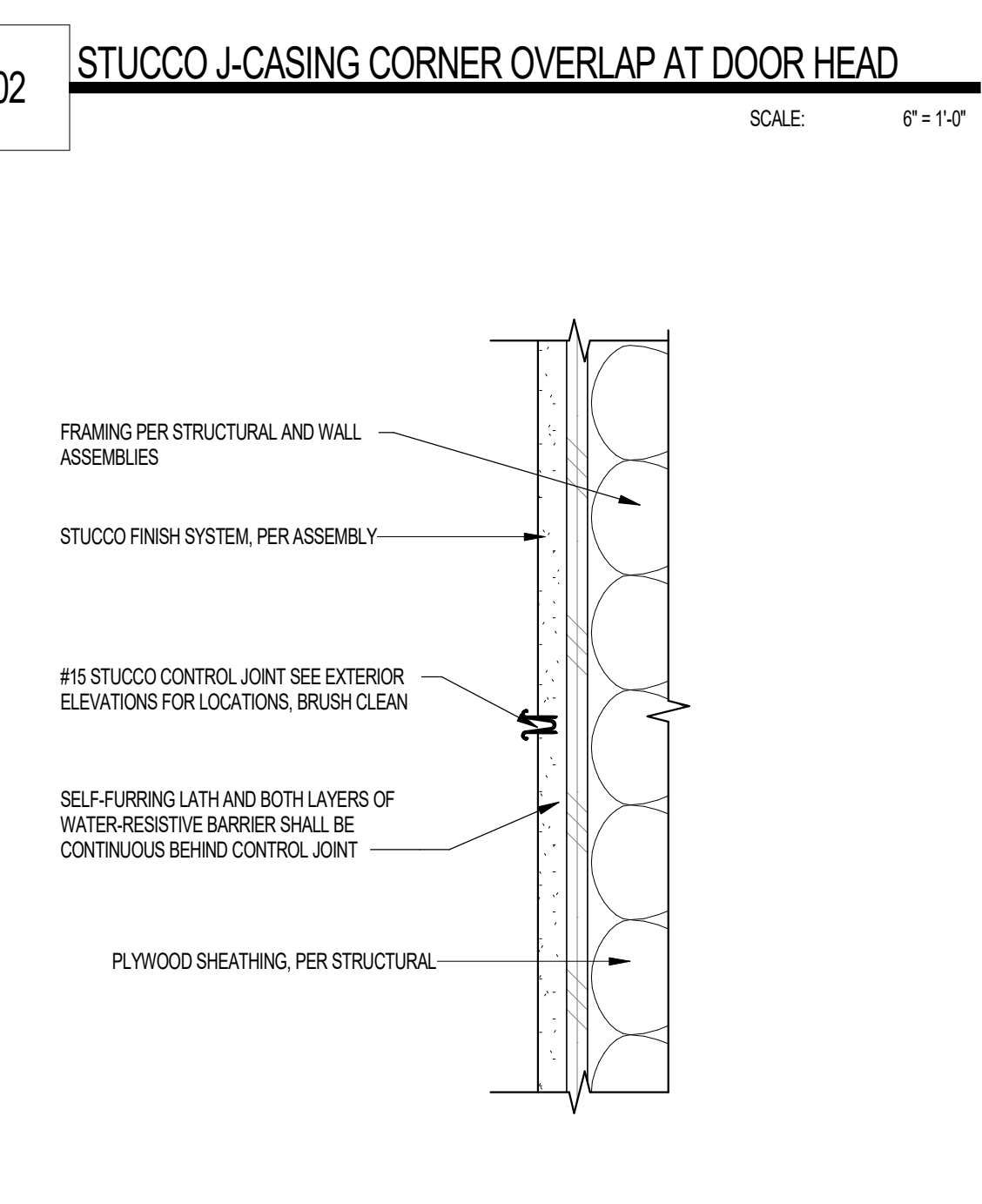
14 VERTICAL FLASHING AT DECORATIVE CMU WALL - FLASHING AT SAW CUT SCALE: 12" = 1'-0"



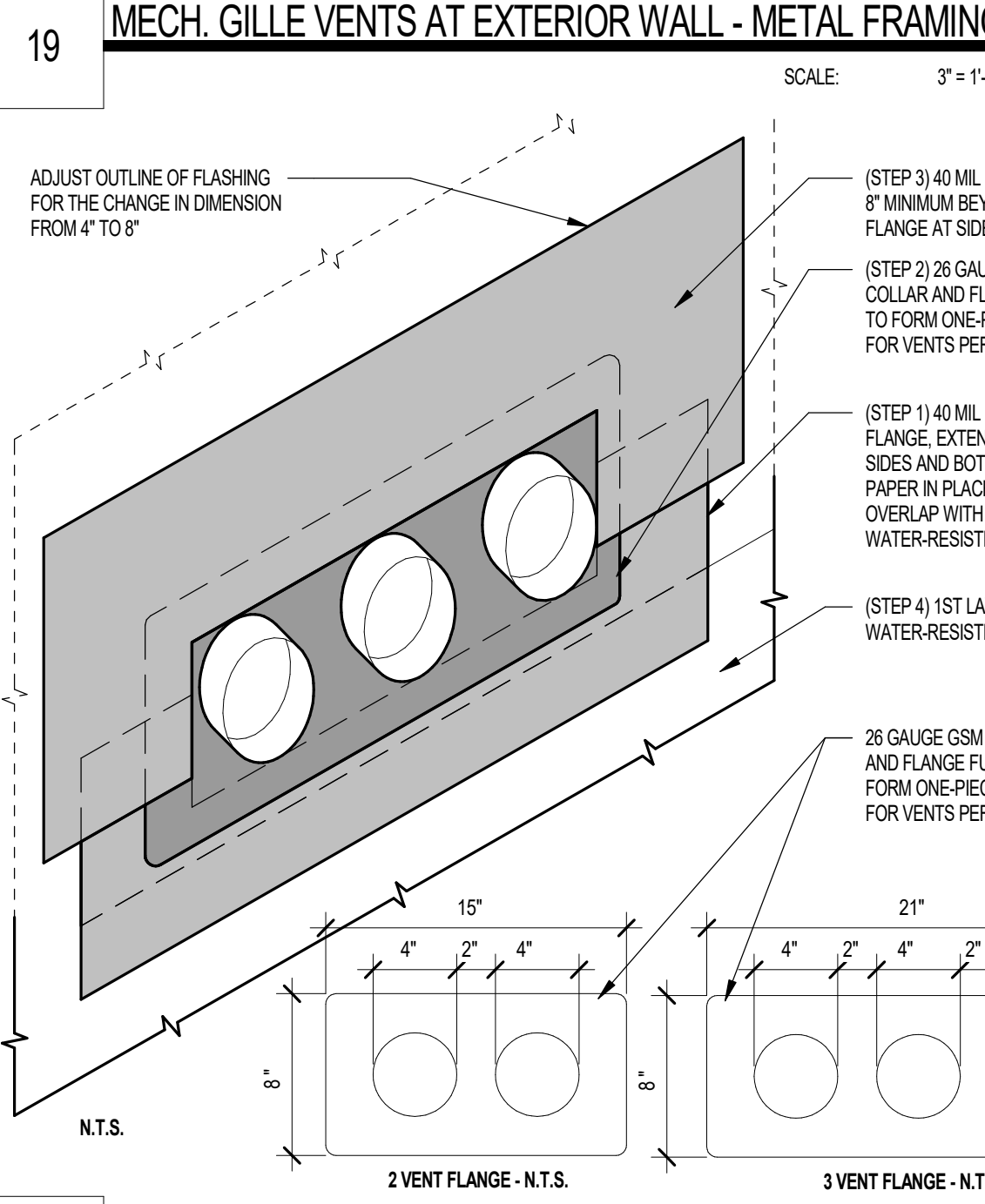
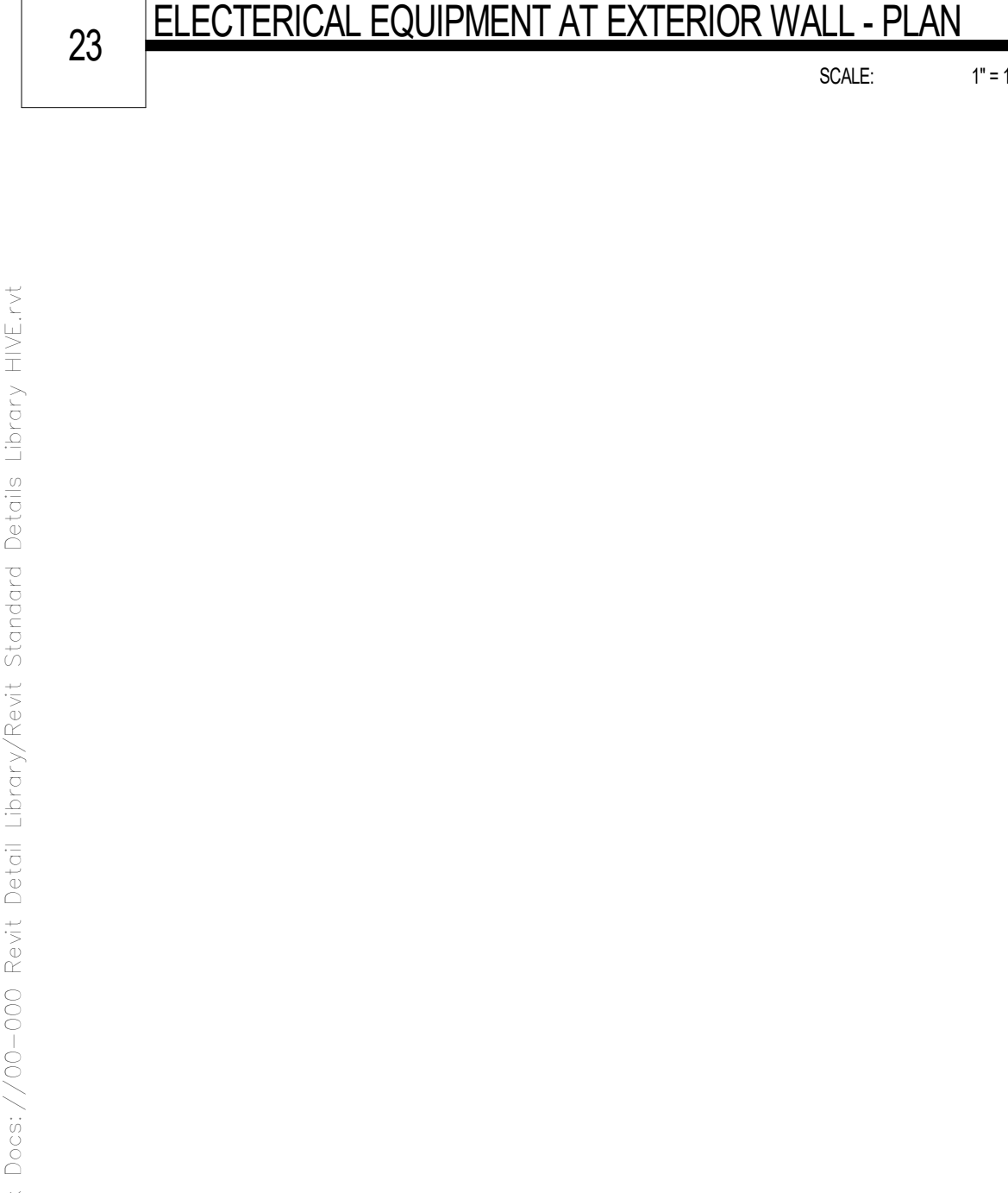
10 FLASHING SADDLE @ CMU WALL SCALE: 1 1/2" = 1'-0"



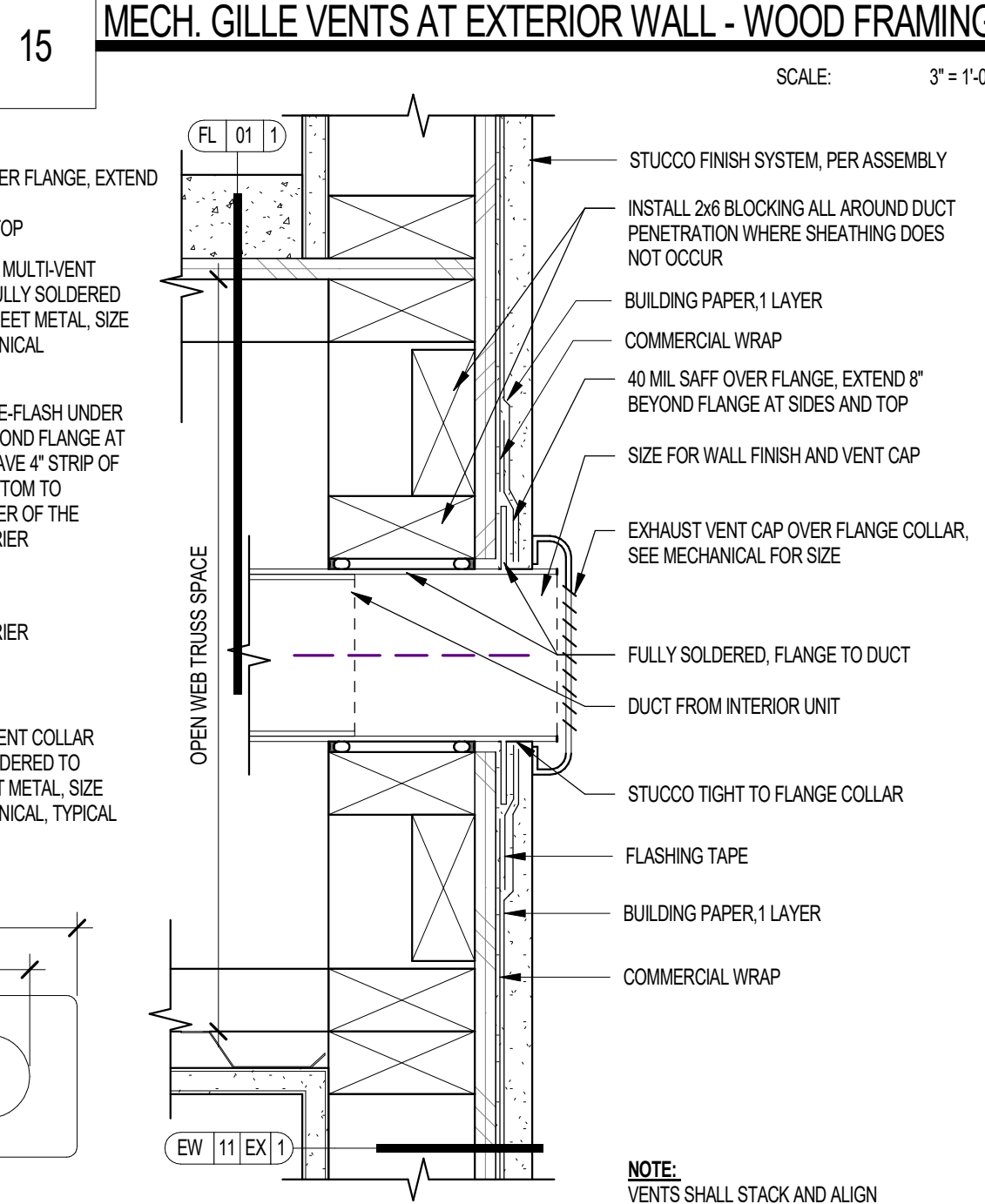
06 SEALANT AND BACKER ROD AT DECORATIVE CMU WALL SCALE: 12" = 1'-0"



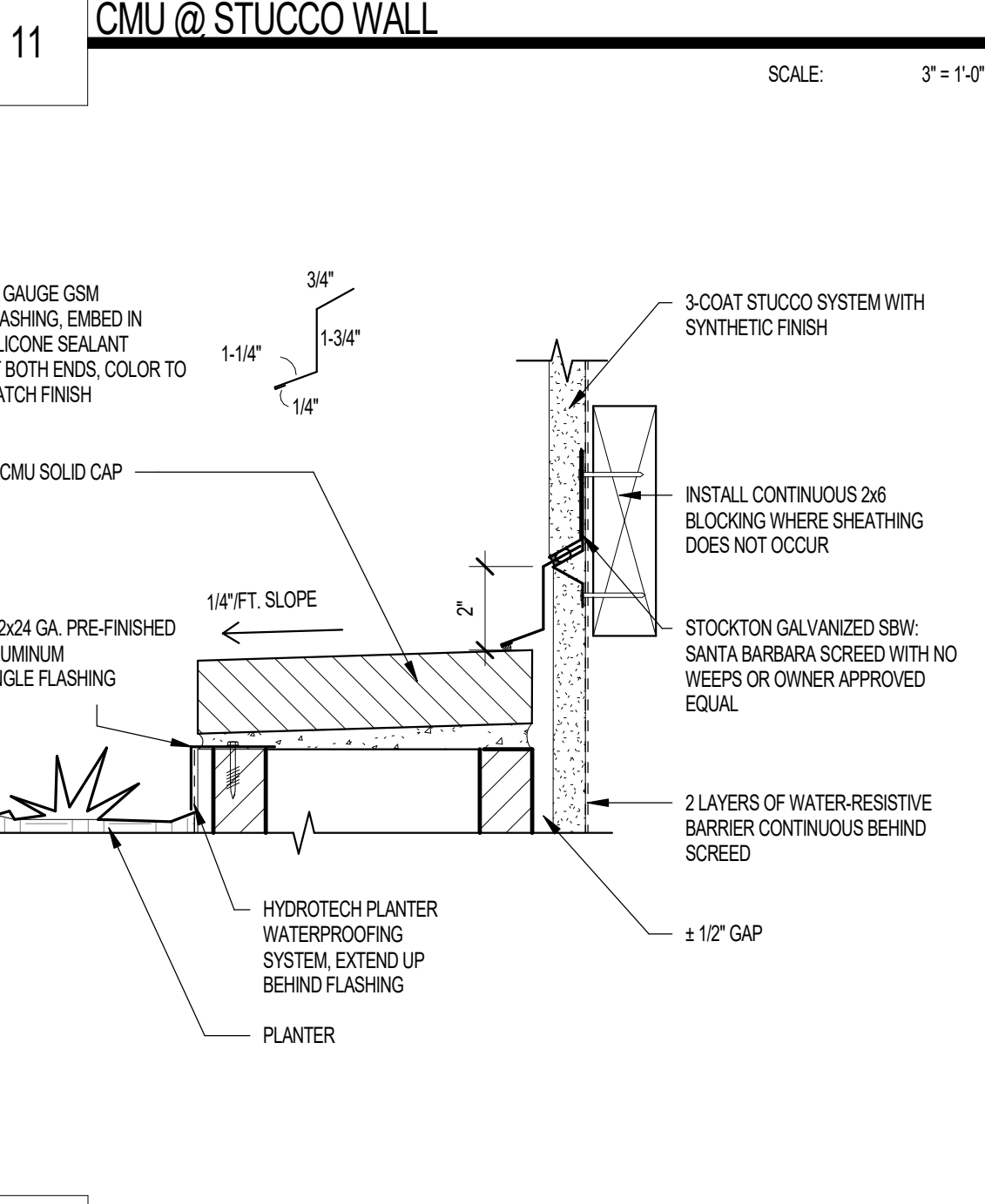
02 STUCCO J-CASING CORNER OVERLAP AT DOOR HEAD SCALE: 0" = 1'-0"



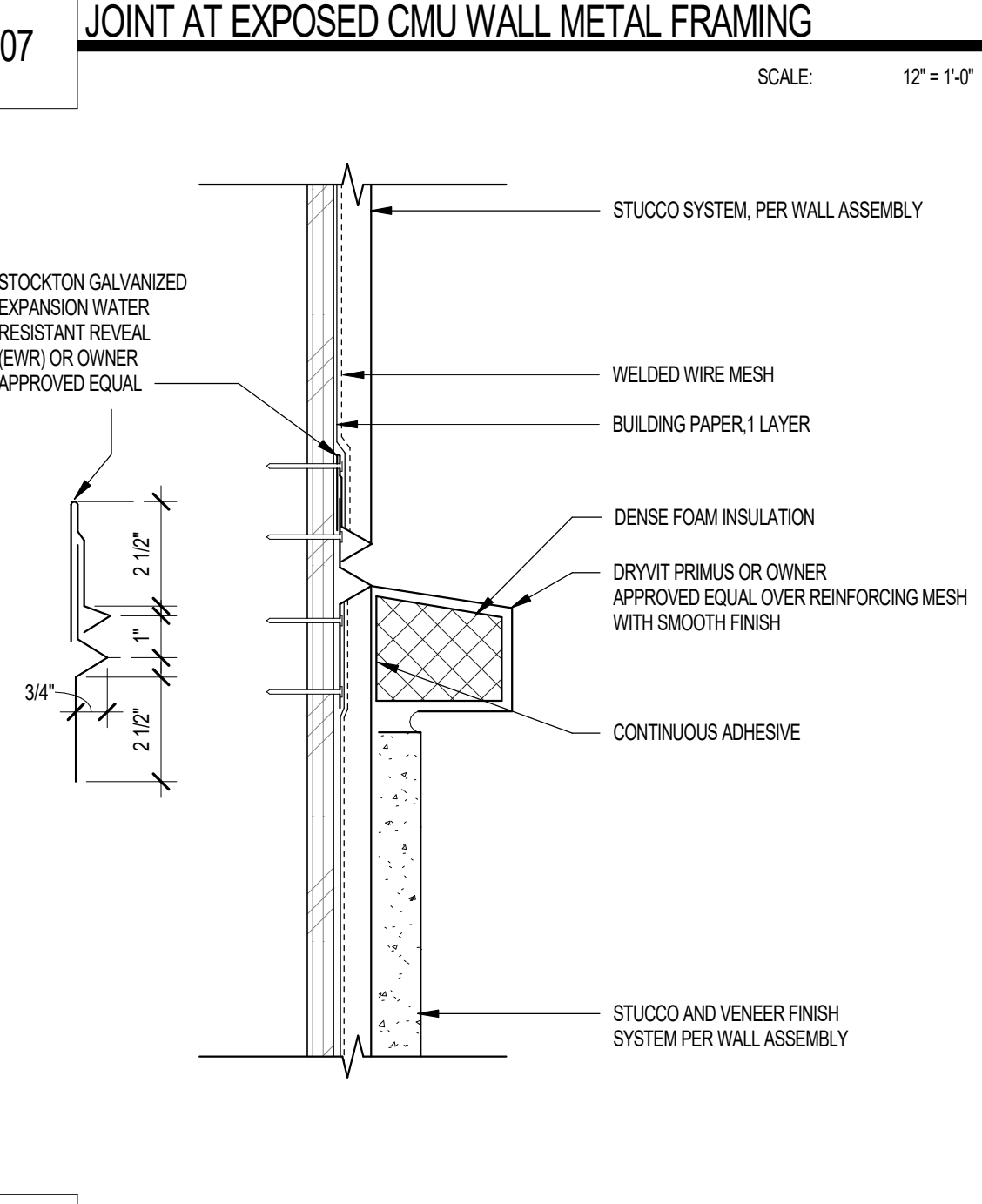
19 MECH. GILLE VENTS AT EXTERIOR WALL - METAL FRAMING SCALE: 3" = 1'-0"



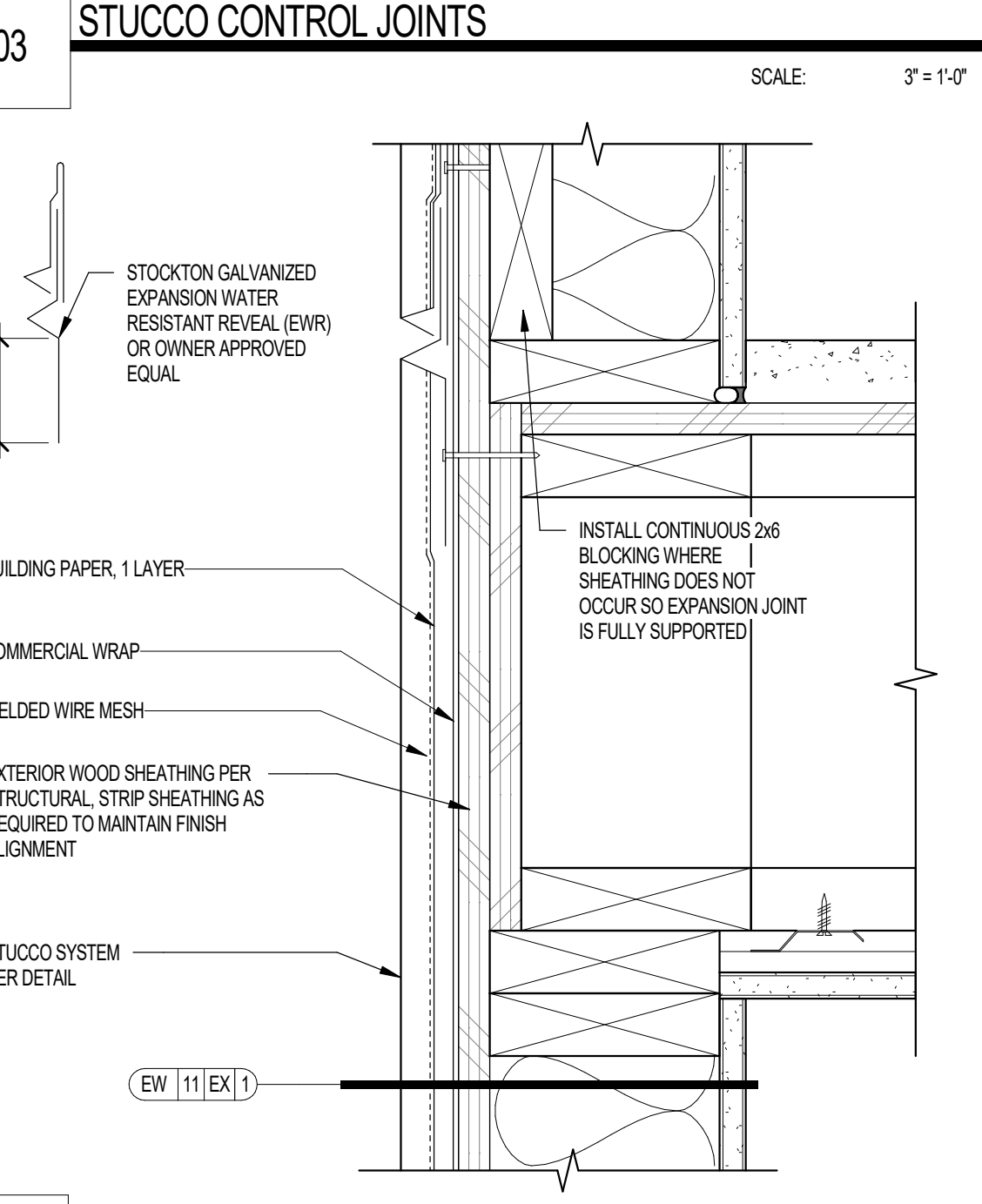
15 MECH. GILLE VENTS AT EXTERIOR WALL - WOOD FRAMING SCALE: 3" = 1'-0"



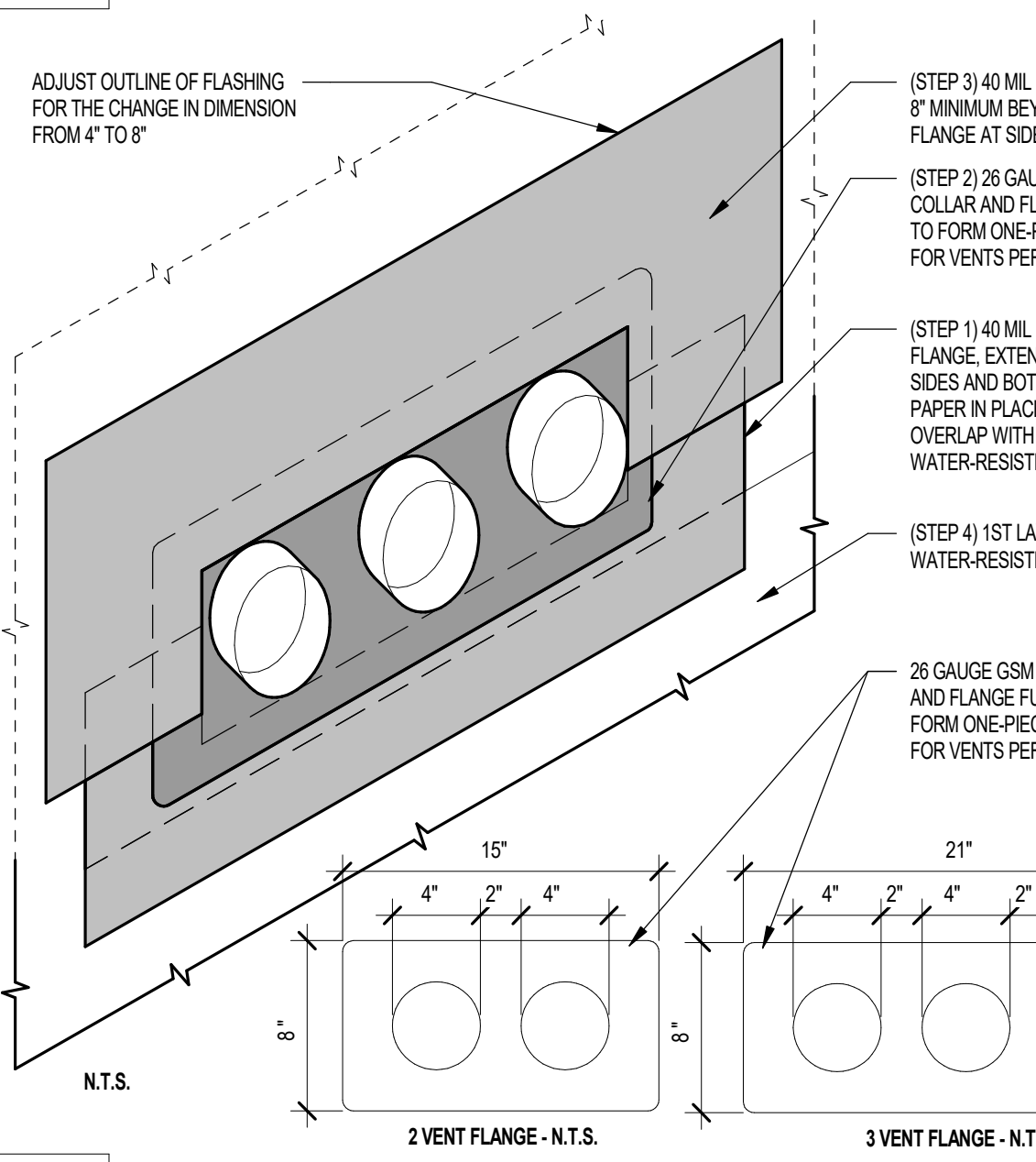
11 CMU @ STUCCO WALL SCALE: 3" = 1'-0"



07 JOINT AT EXPOSED CMU WALL METAL FRAMING SCALE: 12" = 1'-0"



03 STUCCO CONTROL JOINTS SCALE: 3" = 1'-0"



20 VENTS AT EXTERIOR WALL SCALE: 3" = 1'-0"

NOTE: VENTS SHALL STACK AND ALIGN VERTICALLY FROM FLOOR TO FLOOR



12 PLANTER FLASHING ADJACENT STUCCO WALL SCALE: 3" = 1'-0"



08 EXPANSION JOINT ABOVE VENEER SCALE: 3" = 1'-0"



04 HORIZONTAL STUCCO EXPANSION JOINT SCALE: 3" = 1'-0"

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Notice of alternate billing (or payment) cycle
This contract allows (they shall) the contractor to request the admission of billing or advance in billing upon the first bill.
The contractor shall also be responsible for obtaining all necessary permits and maintaining all alternate schedules after certification and approval of billing and contracts. A written notification of all other billing and/or payment cycle shall be provided to the owner or the contractor's design agent at the time of contract signing.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design agent shall provide the written consent as required.

Contractor must verify all dimensions of project before proceeding with this work.

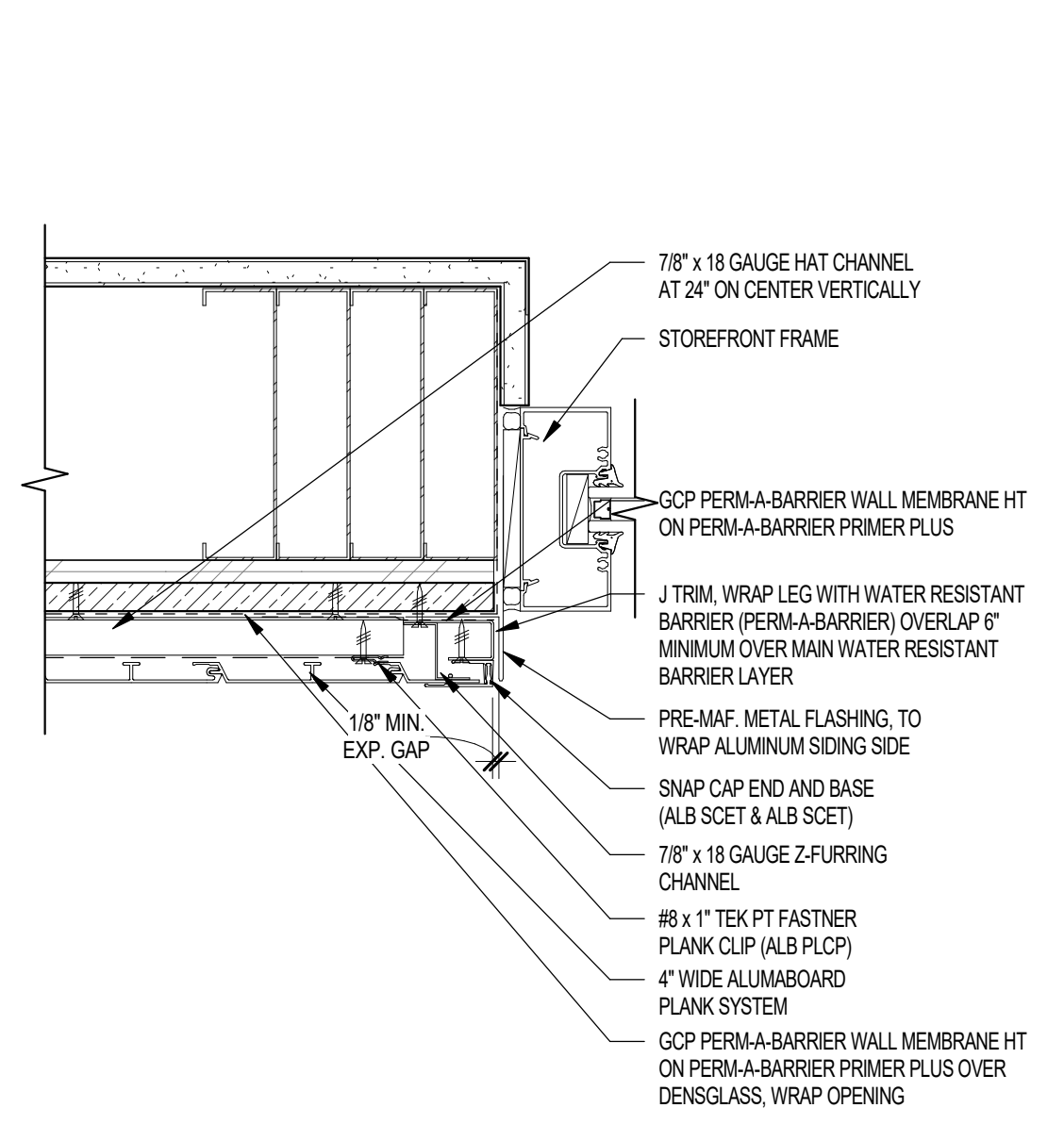
All drawings are preliminary and specifications shall be the contract unless otherwise indicated by the Architect. The drawings and specifications are the property of the Architect and shall not be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Architect.

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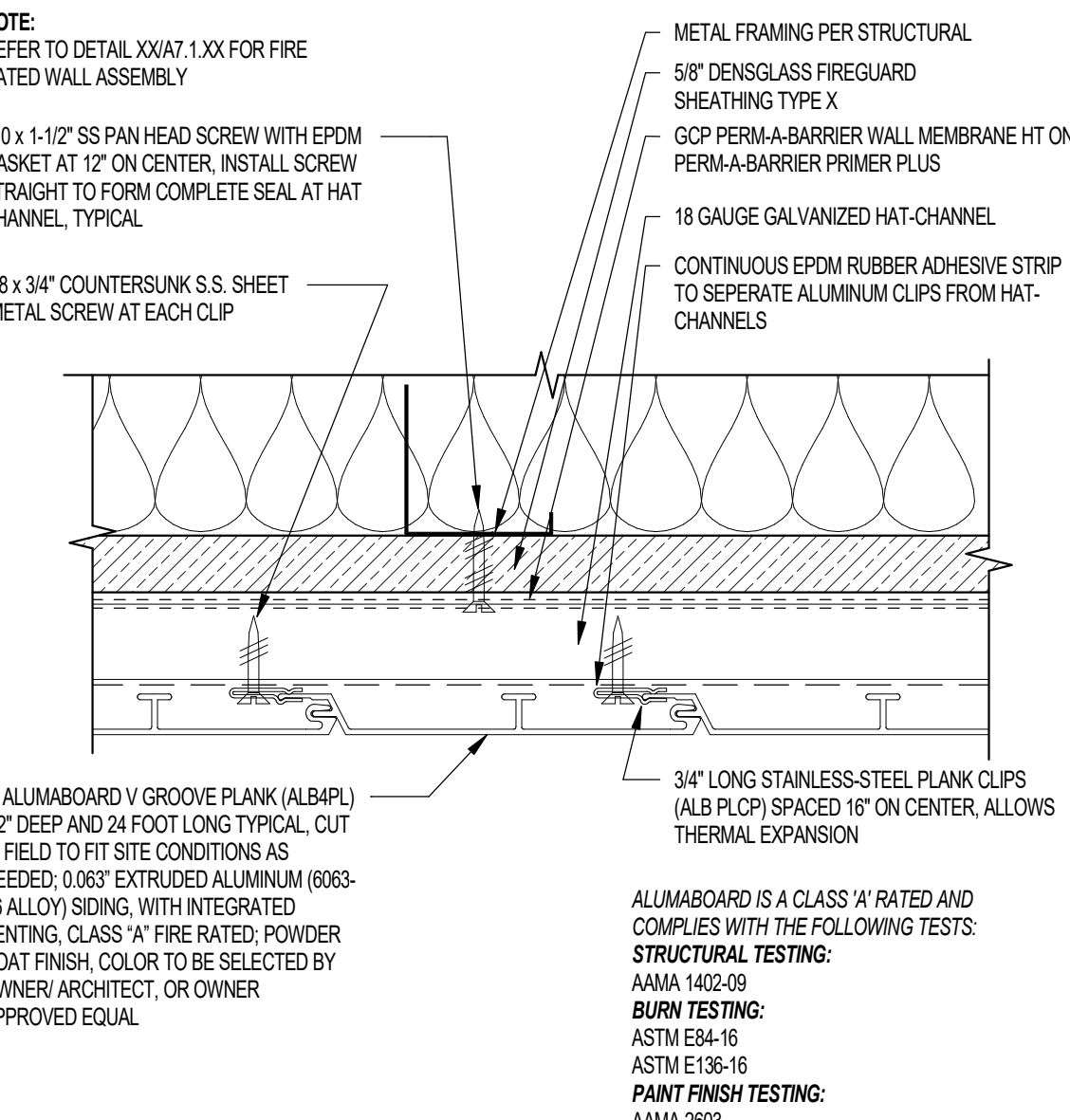
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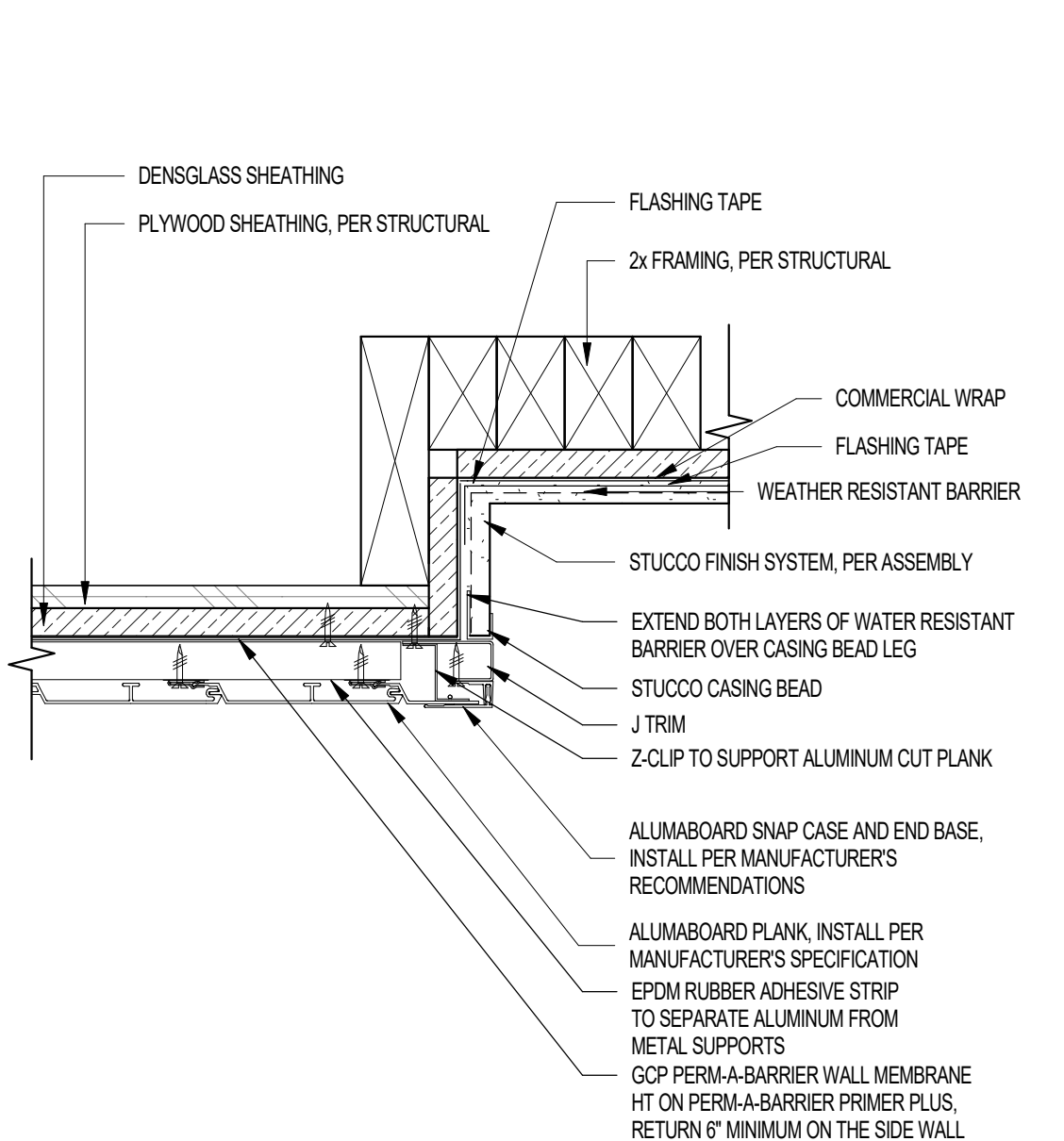
A7.7.10
FINISHES DETAILS - WOOD FRAMING



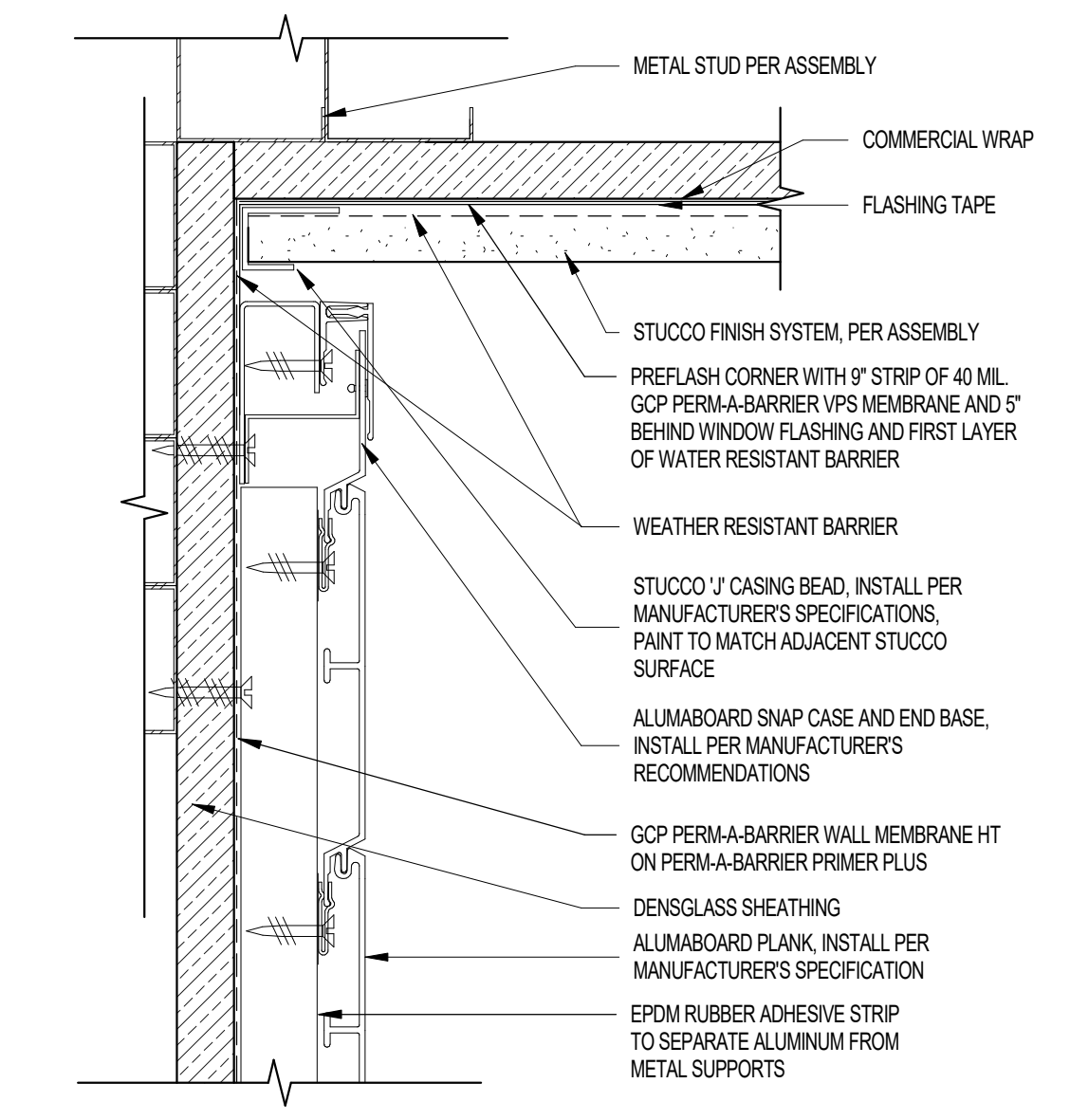
21 ALUMABOARD VERTICAL JAMB SGE SCALE: 3" = 1'-0"



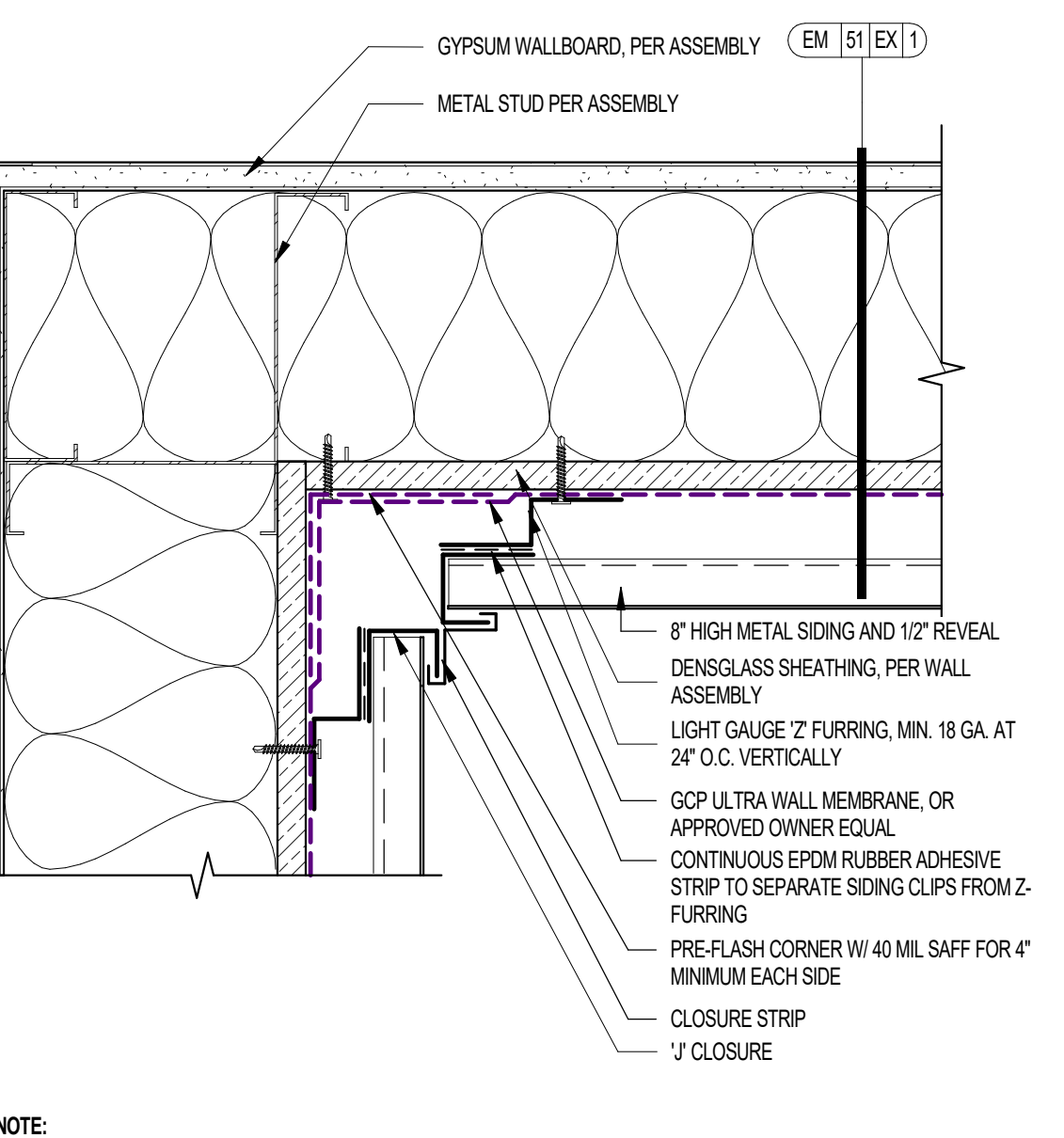
22 ALUMABOARD METAL PANEL - METAL FRAMING SCALE: 6" = 1'-0"



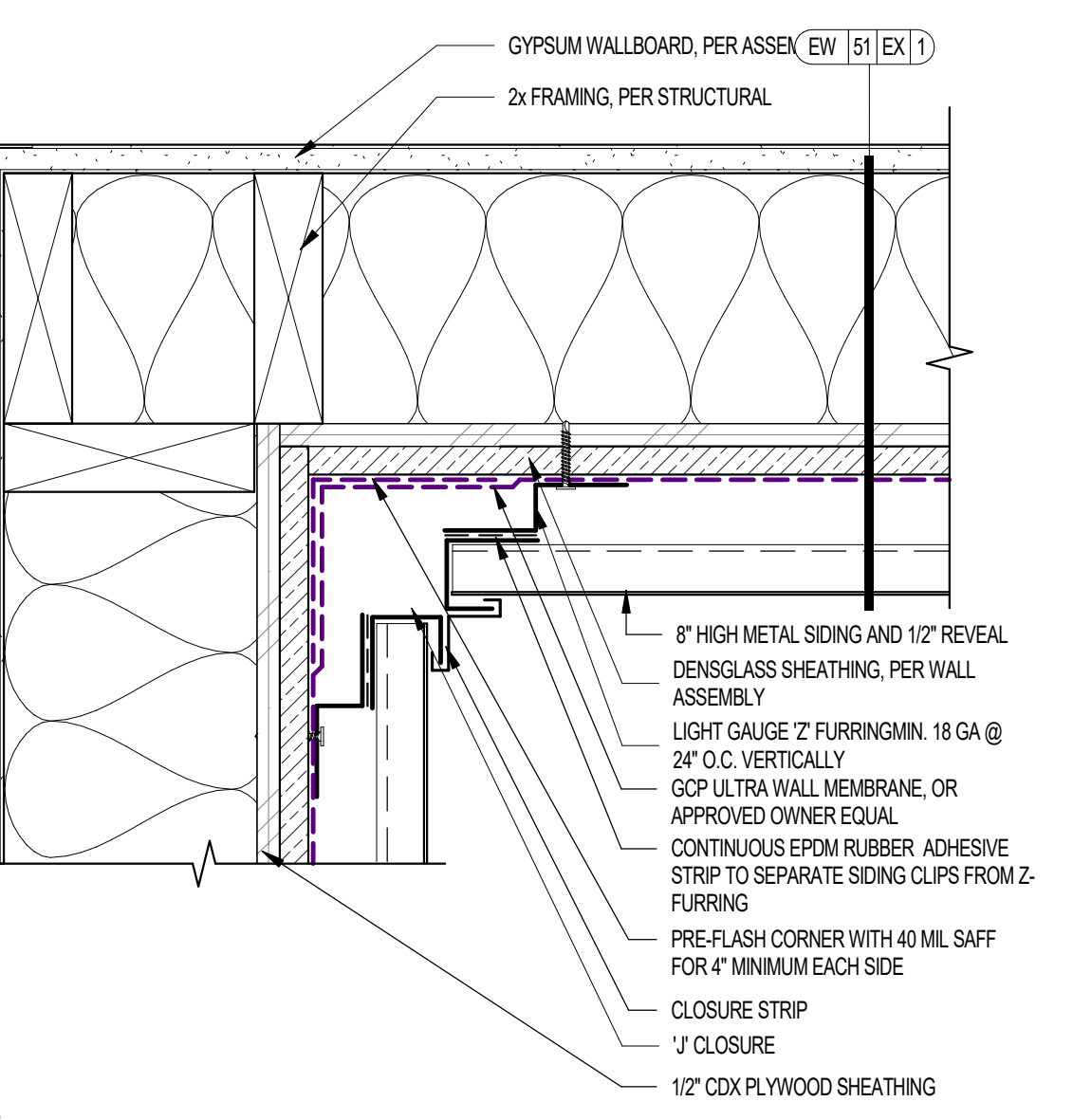
17 ALUMABOARD JAMB AT WINDOW RECESS SCALE: 3" = 1'-0"



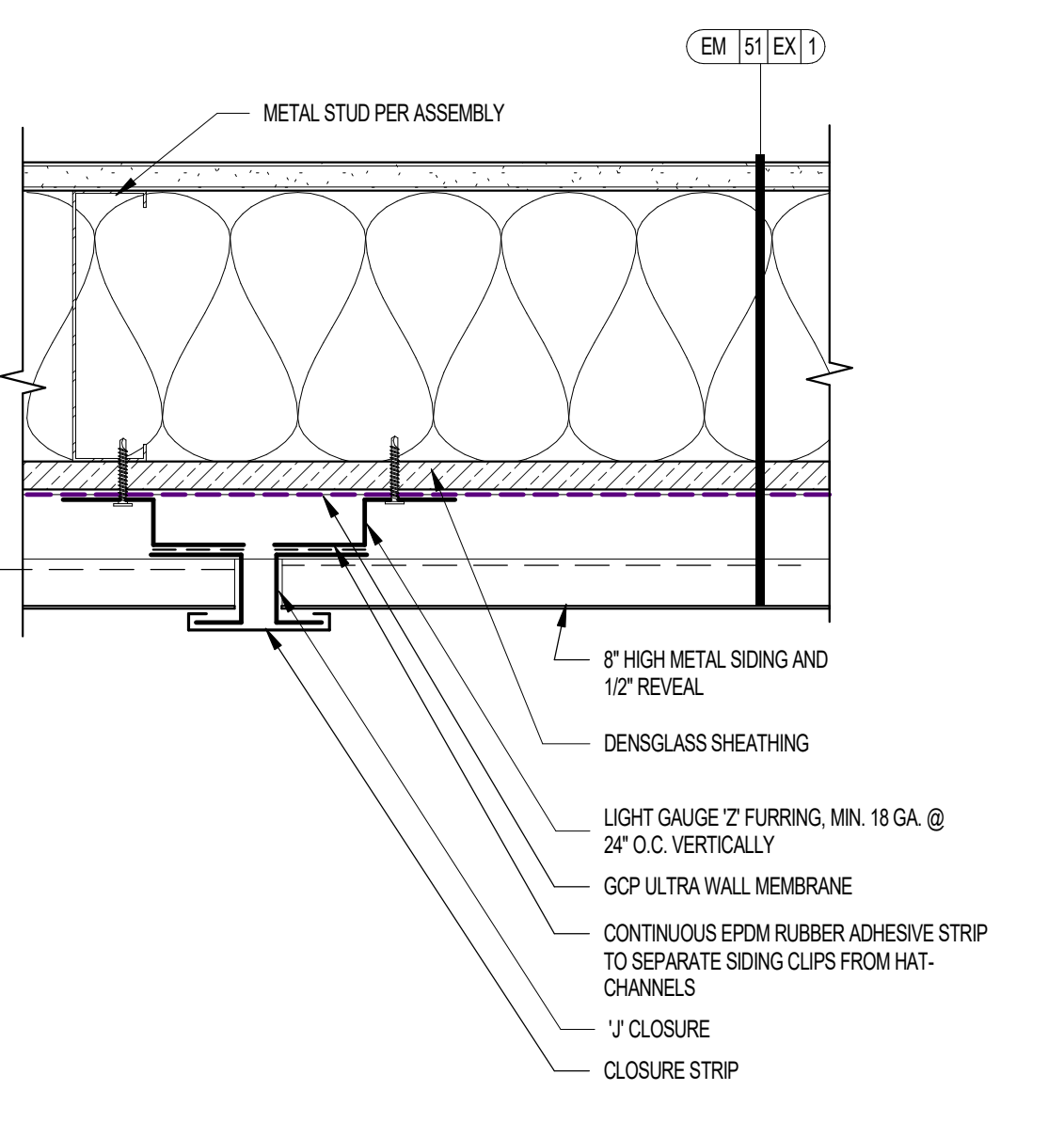
18 ALUMABOARD METAL PANEL AT INSIDE CORNER SCALE: 6" = 1'-0"



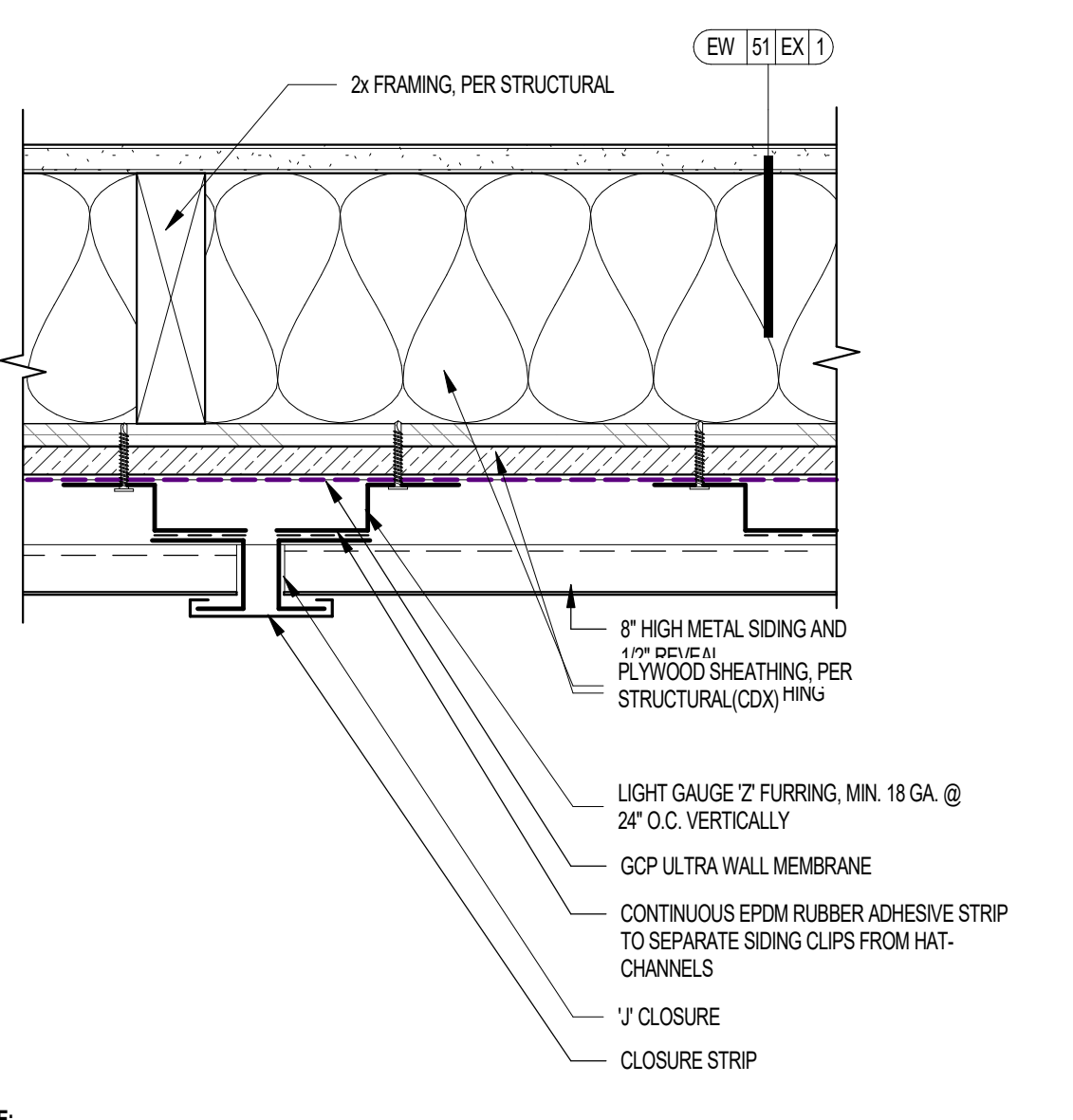
13 METAL SIDING INSIDE CORNER - METAL FRAMING SCALE: 3" = 1'-0"



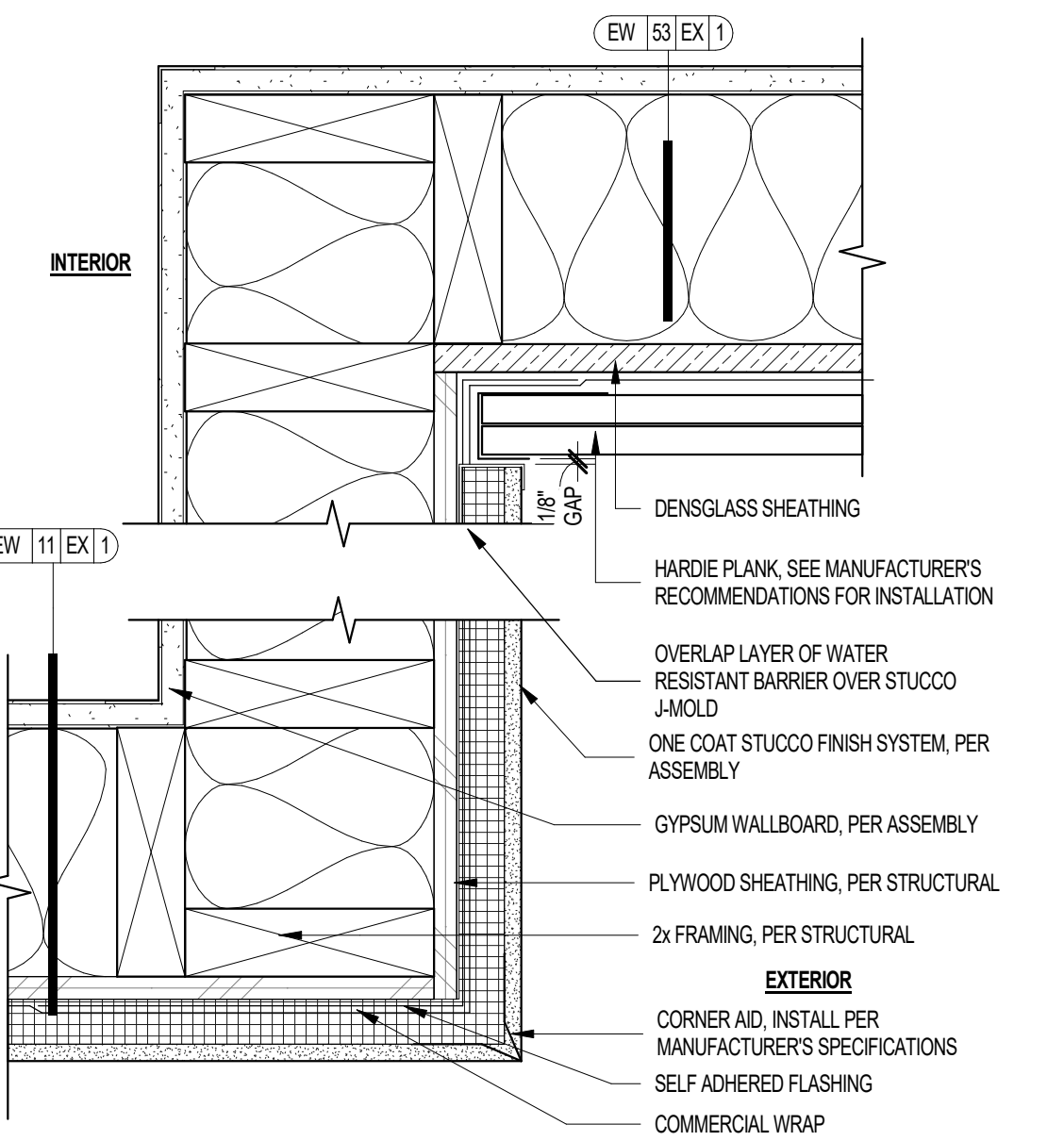
14 METAL SIDING INSIDE CORNER - WOOD FRAMING SCALE: 3" = 1'-0"



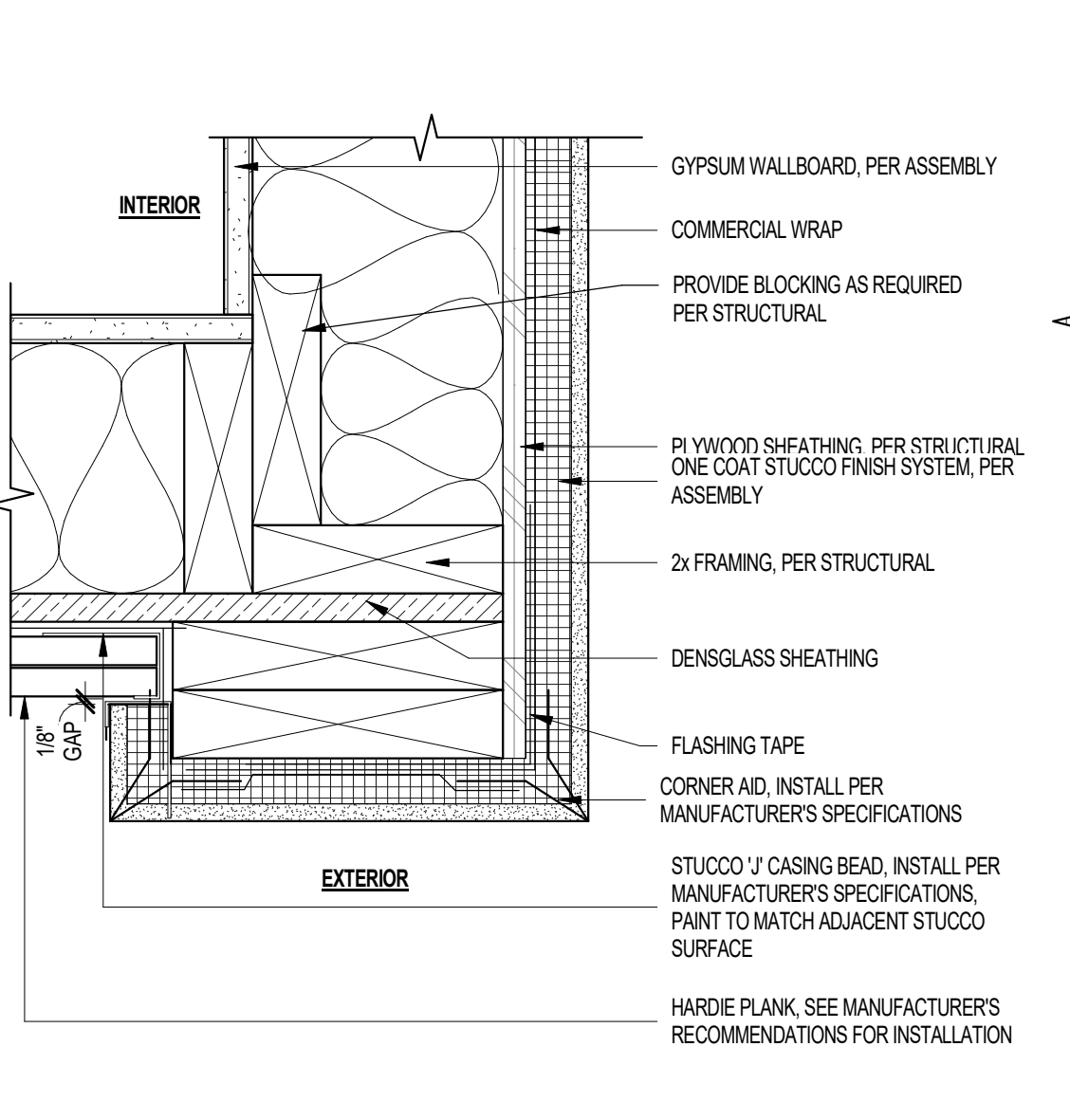
09 METAL SIDING - METAL FRAMING SCALE: 3" = 1'-0"



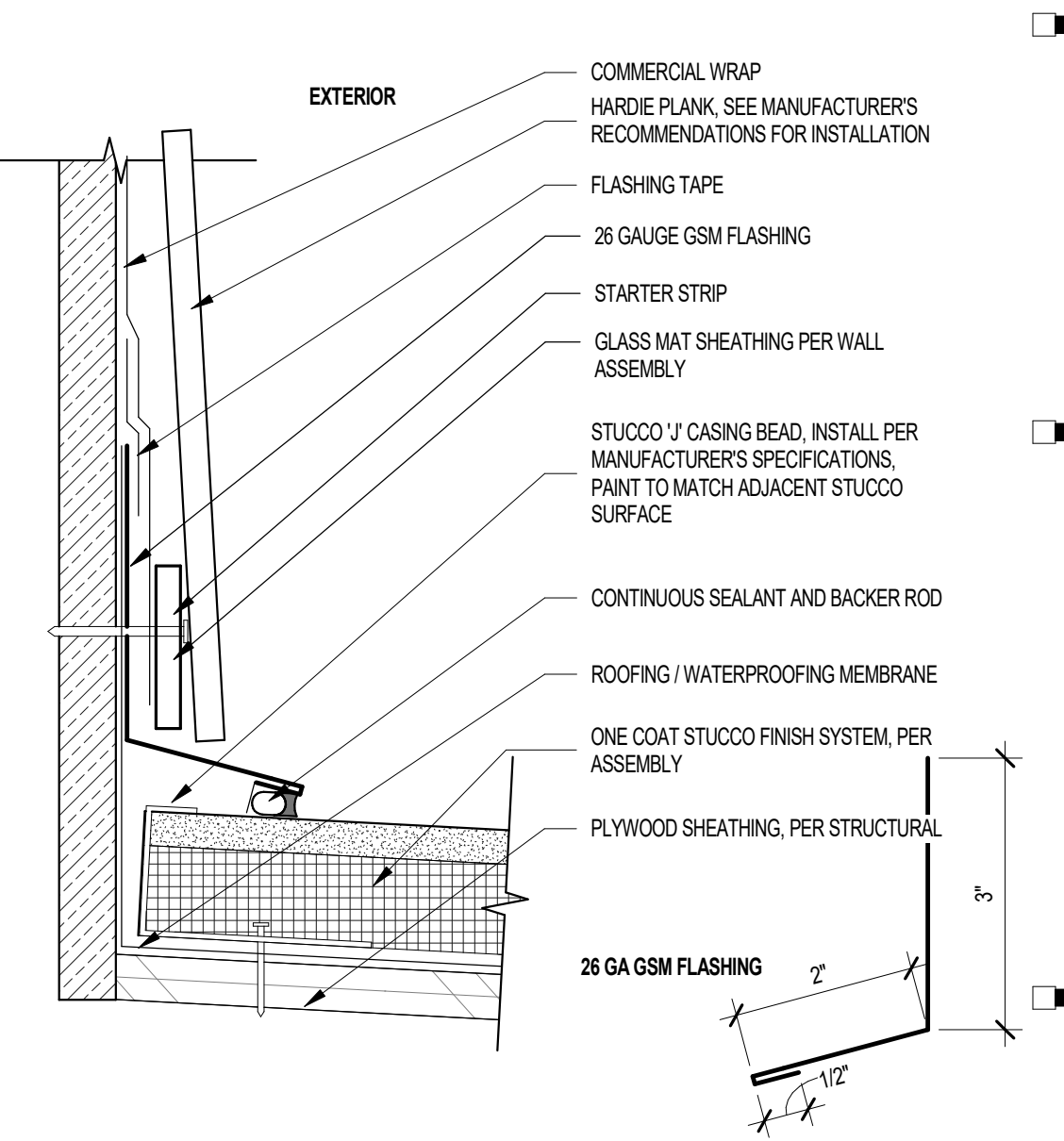
10 METAL SIDING - WOOD FRAMING SCALE: 3" = 1'-0"



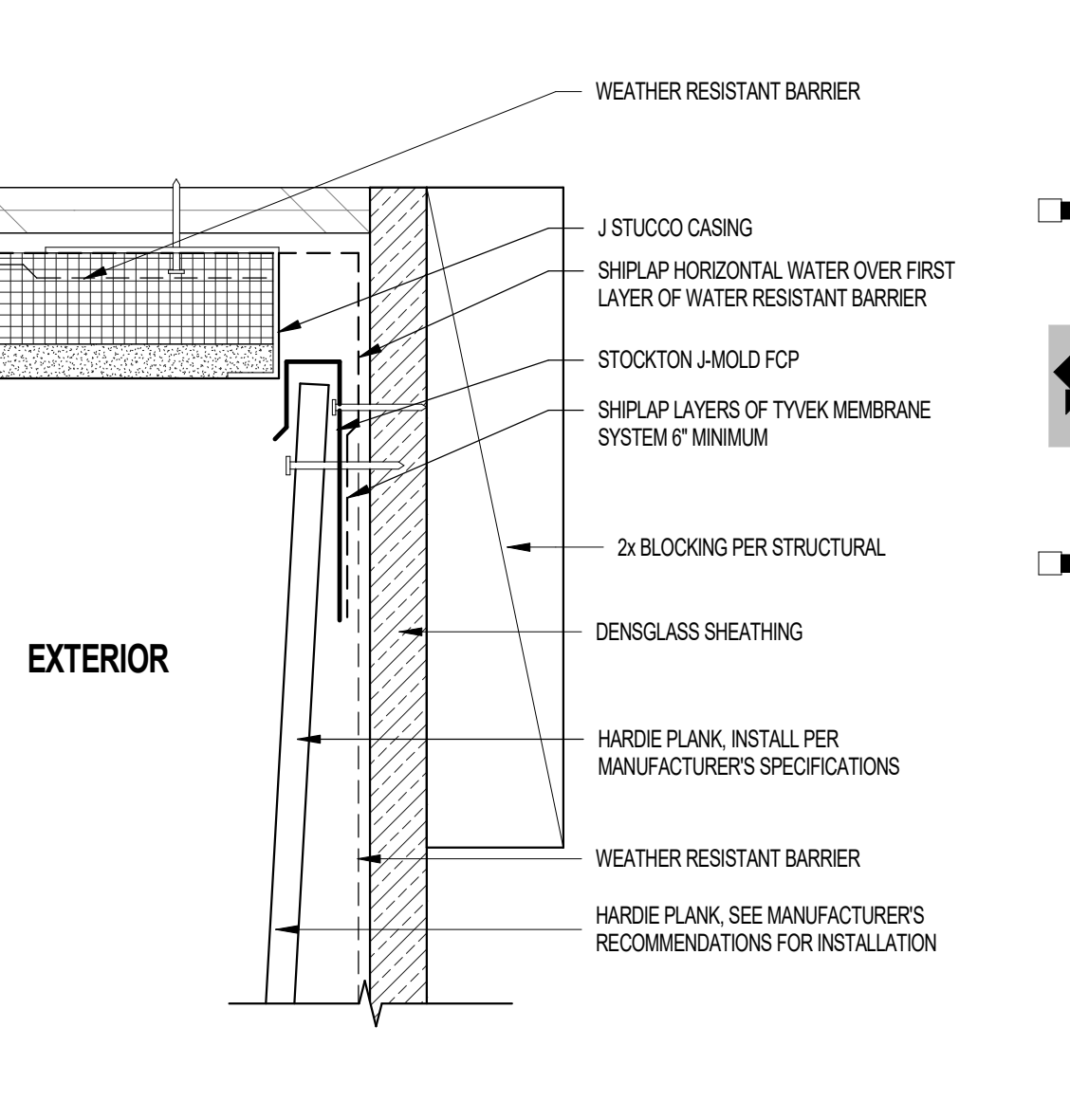
05 STUCCO TO HARDIE BOARD AT INSIDE CORNER - PLAN DETAIL SCALE: 3" = 1'-0"



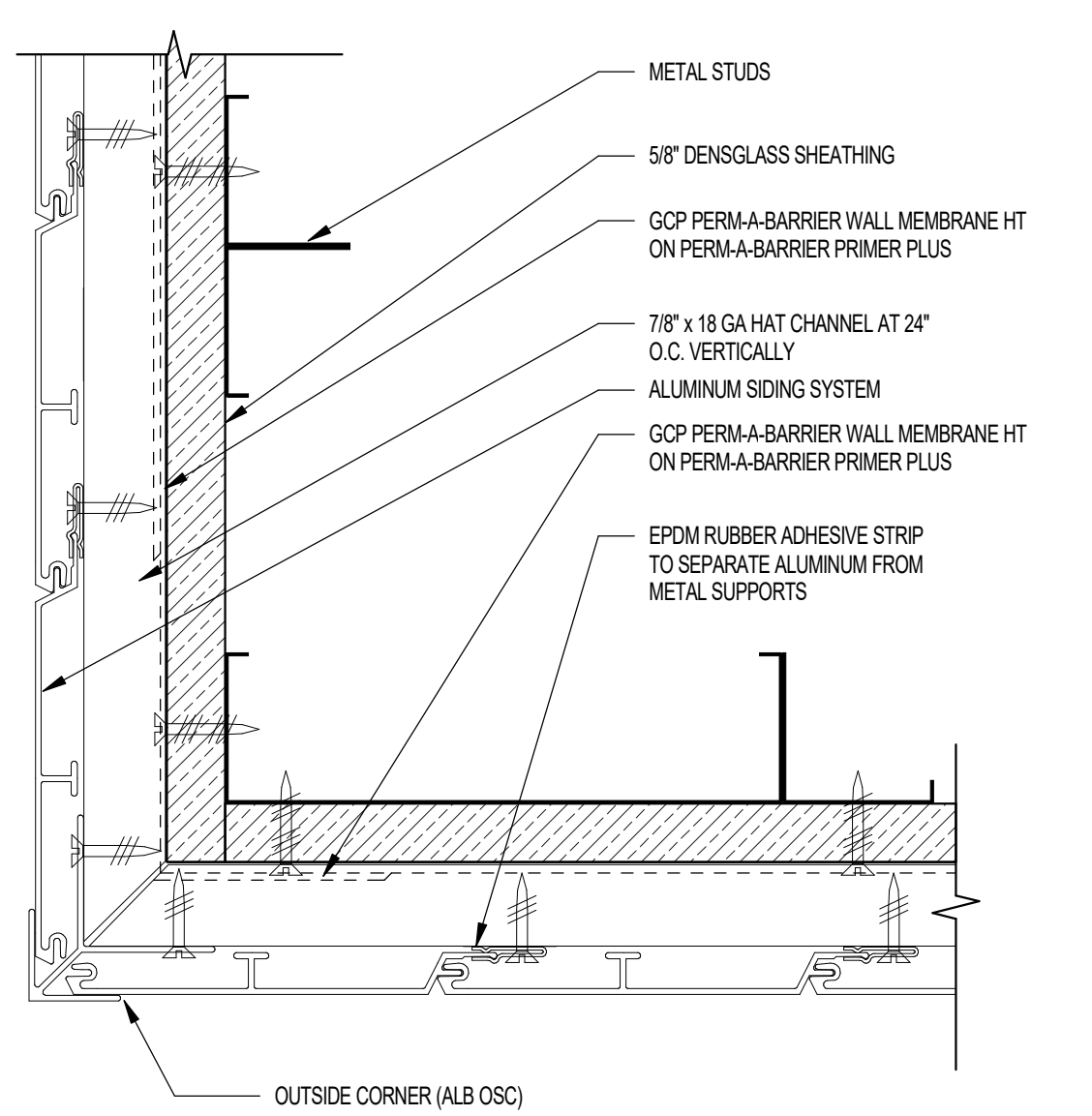
06 STUCCO TO HARDIE BOARD AT OUTSIDE CORNER - PLAN DETAIL SCALE: 3" = 1'-0"



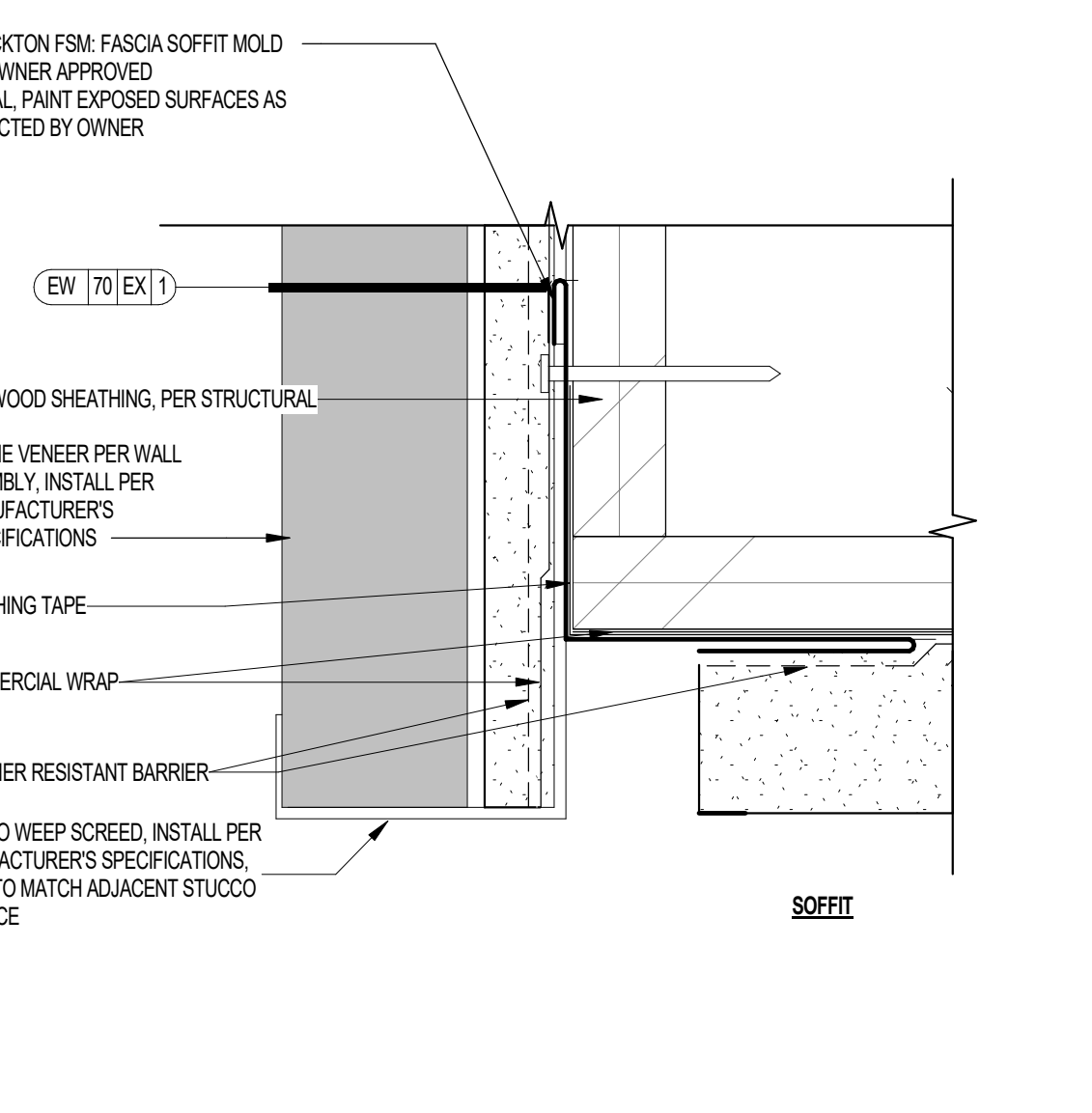
01 HARDIE BOARD TO STUCCO SHELF CONDITION - SECTION SCALE: 6" = 1'-0"



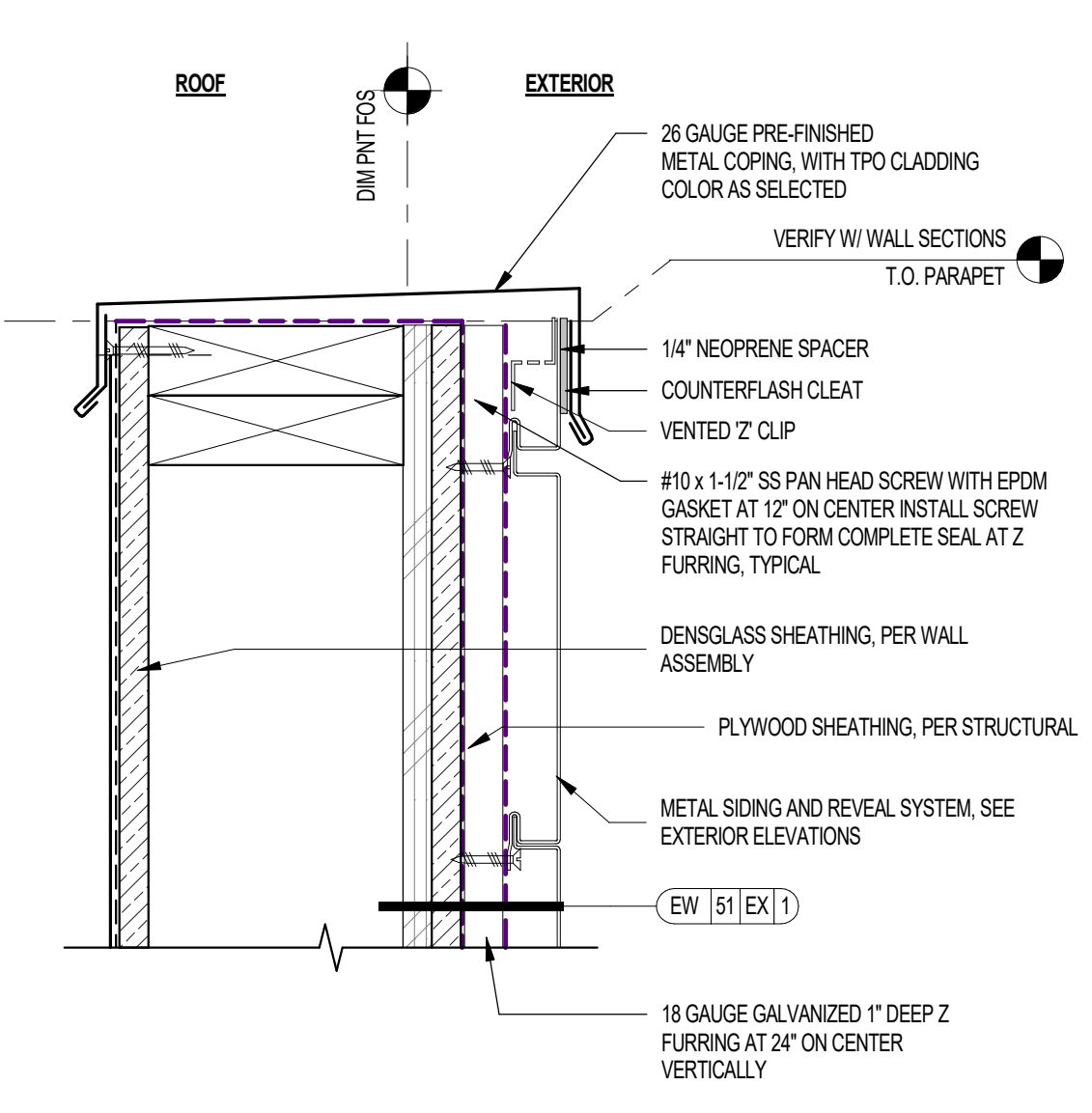
02 HARDIE BOARD TO STUCCO HEAD CONDITION - SECTION DETAIL SCALE: 6" = 1'-0"



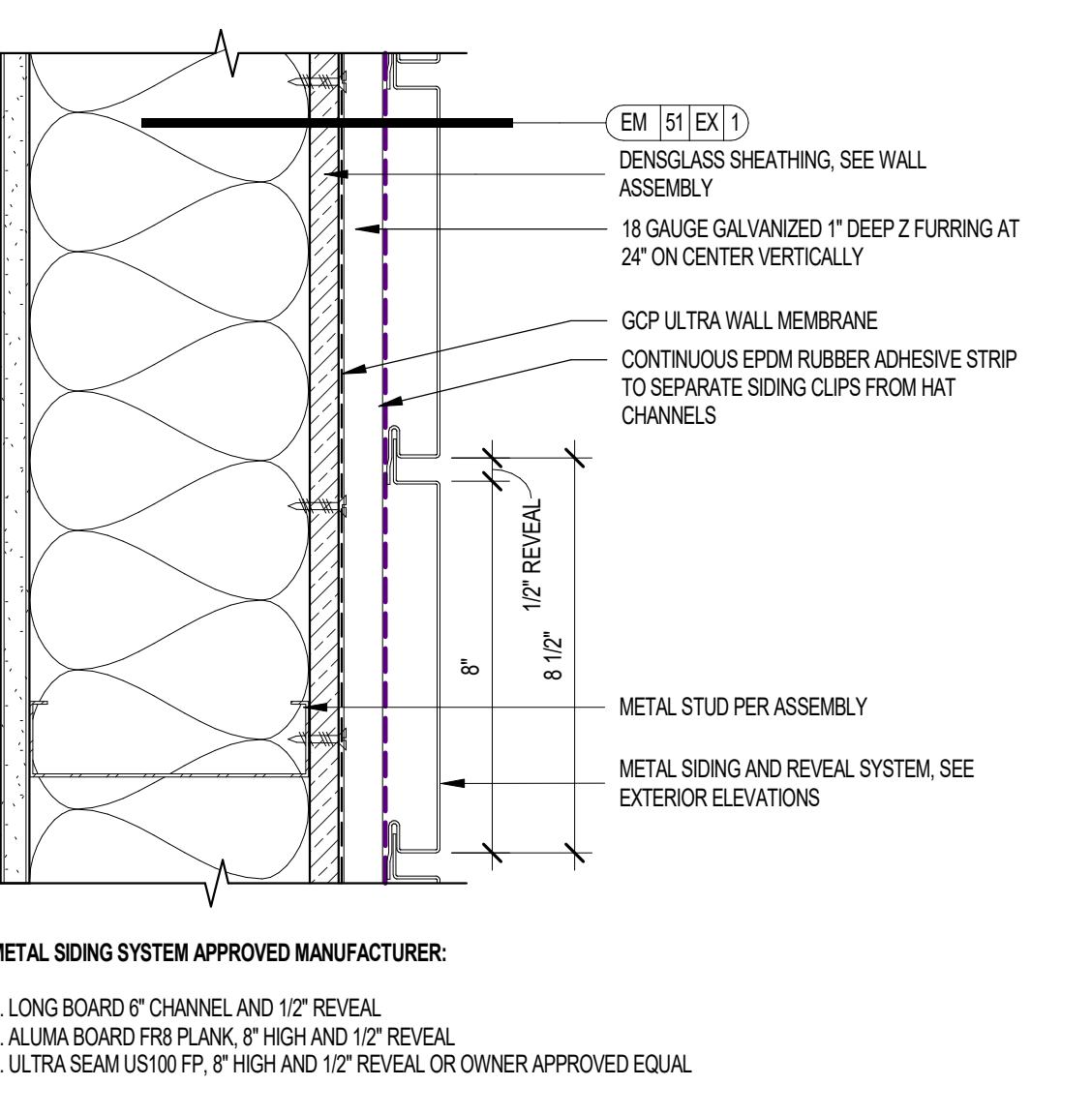
19 ALUMABOARD METAL PANEL AT OUTSIDE CORNER SCALE: 6" = 1'-0"



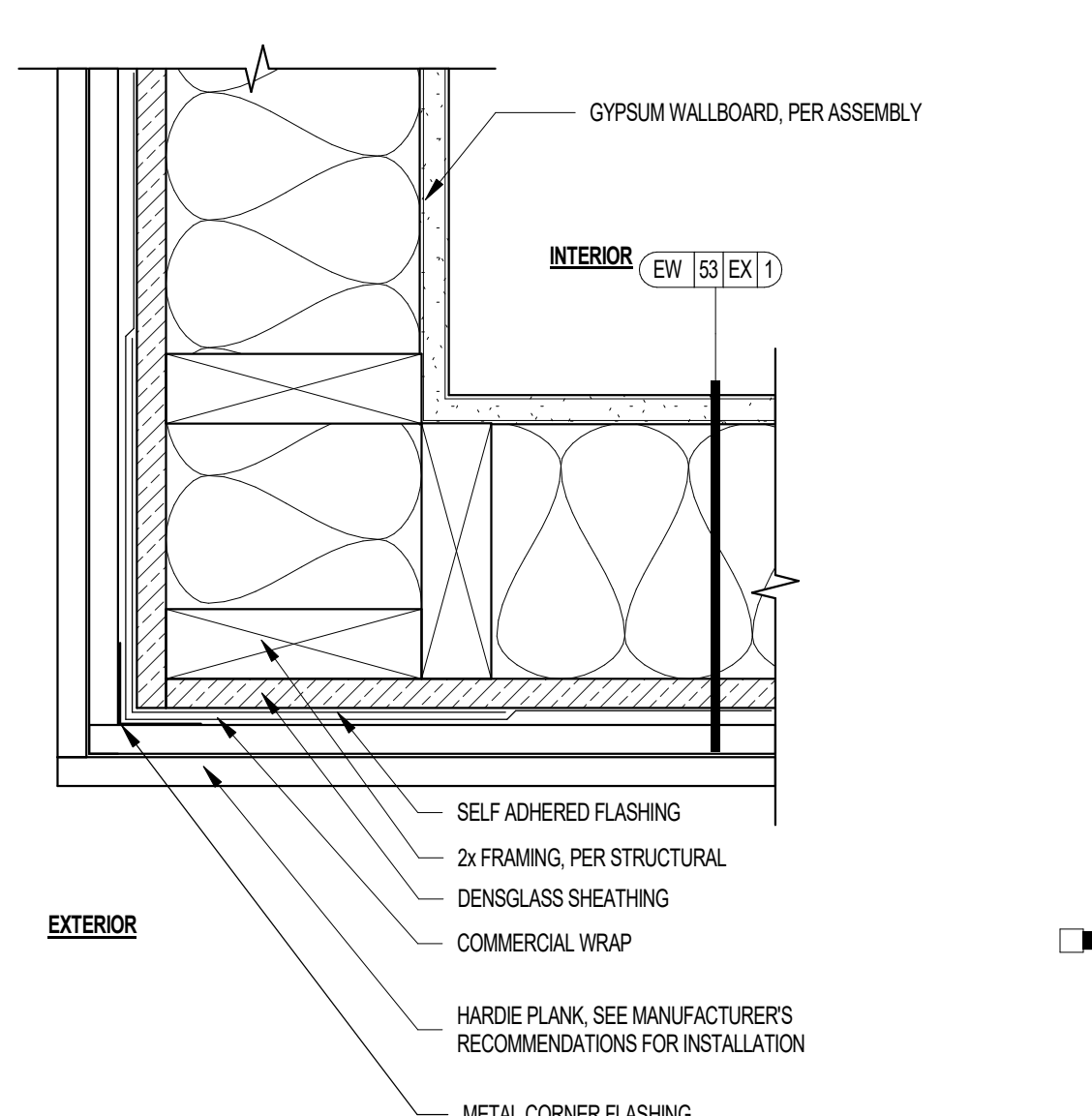
15 FASCIA/ STUCCO SOFFIT EDGE AT STONE VENEER FINISH SCALE: 12" = 1'-0"



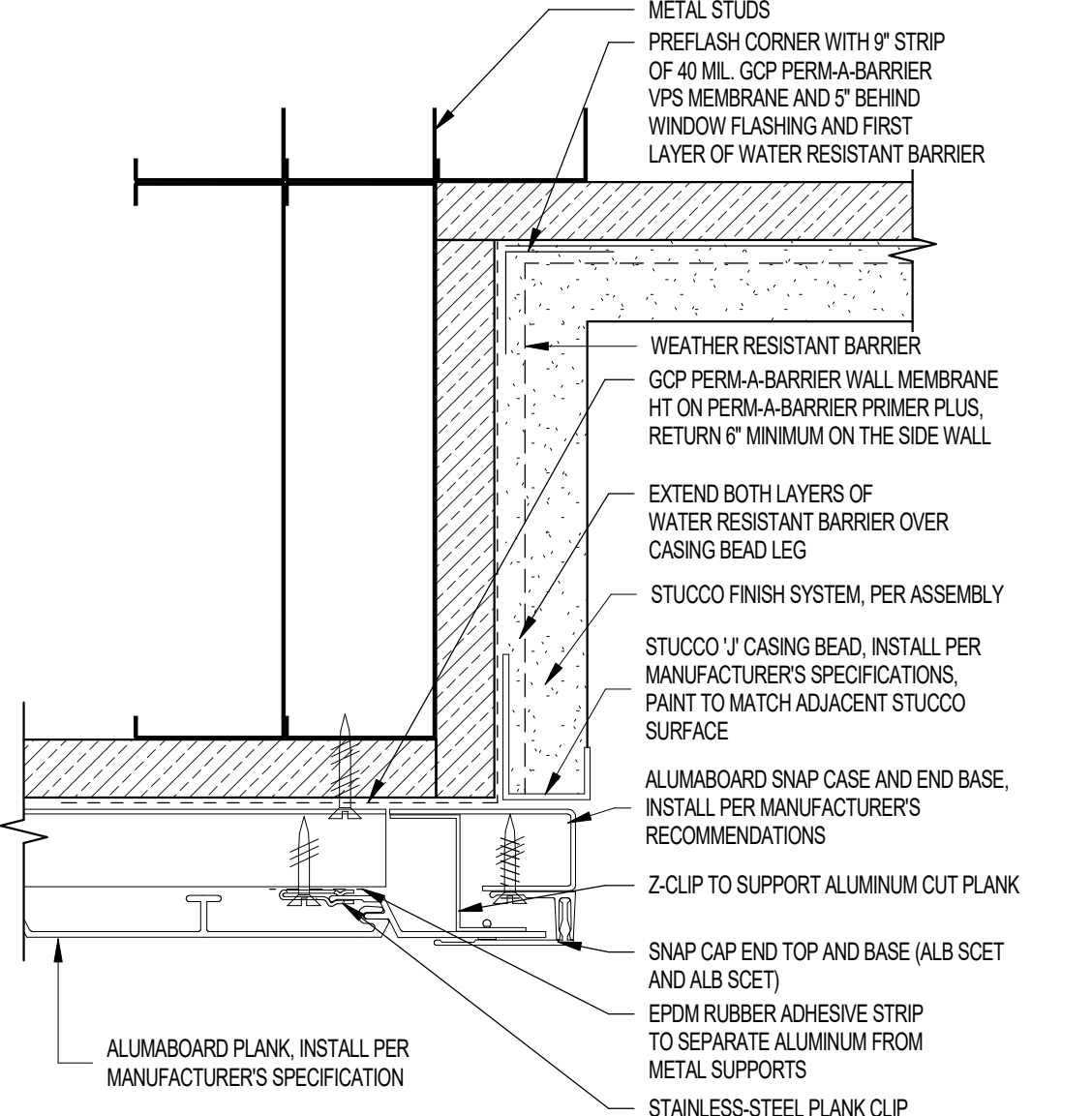
11 METAL SIDING TERMINATION AT ROOF PARAPET - WOOD FRAMING SCALE: 3" = 1'-0"



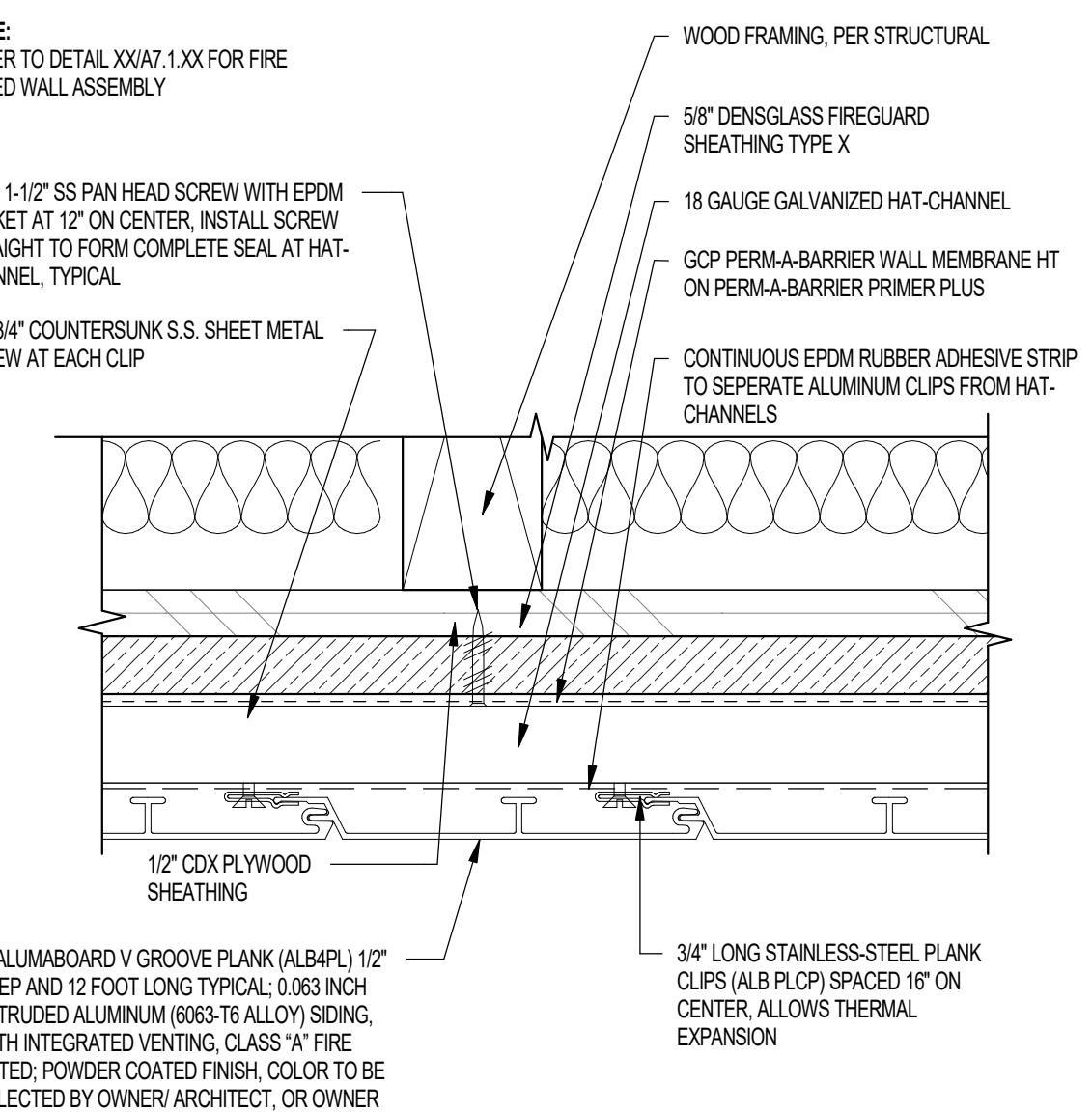
07 METAL SIDING - METAL FRAMING SCALE: 3" = 1'-0"



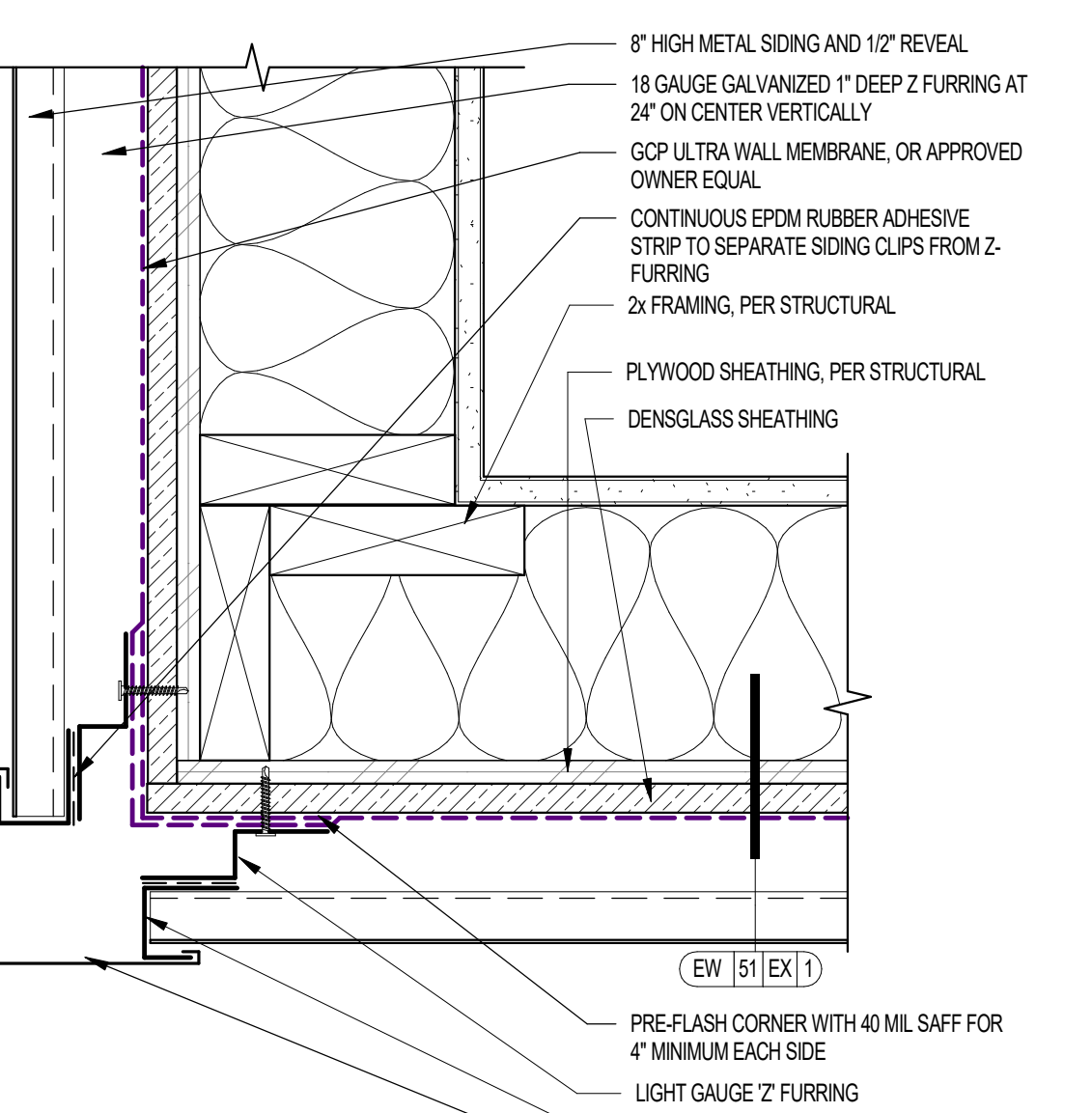
03 HARDIE BOARD FINISH AT OUTSIDE CORNER - PLAN DETAIL SCALE: 3" = 1'-0"



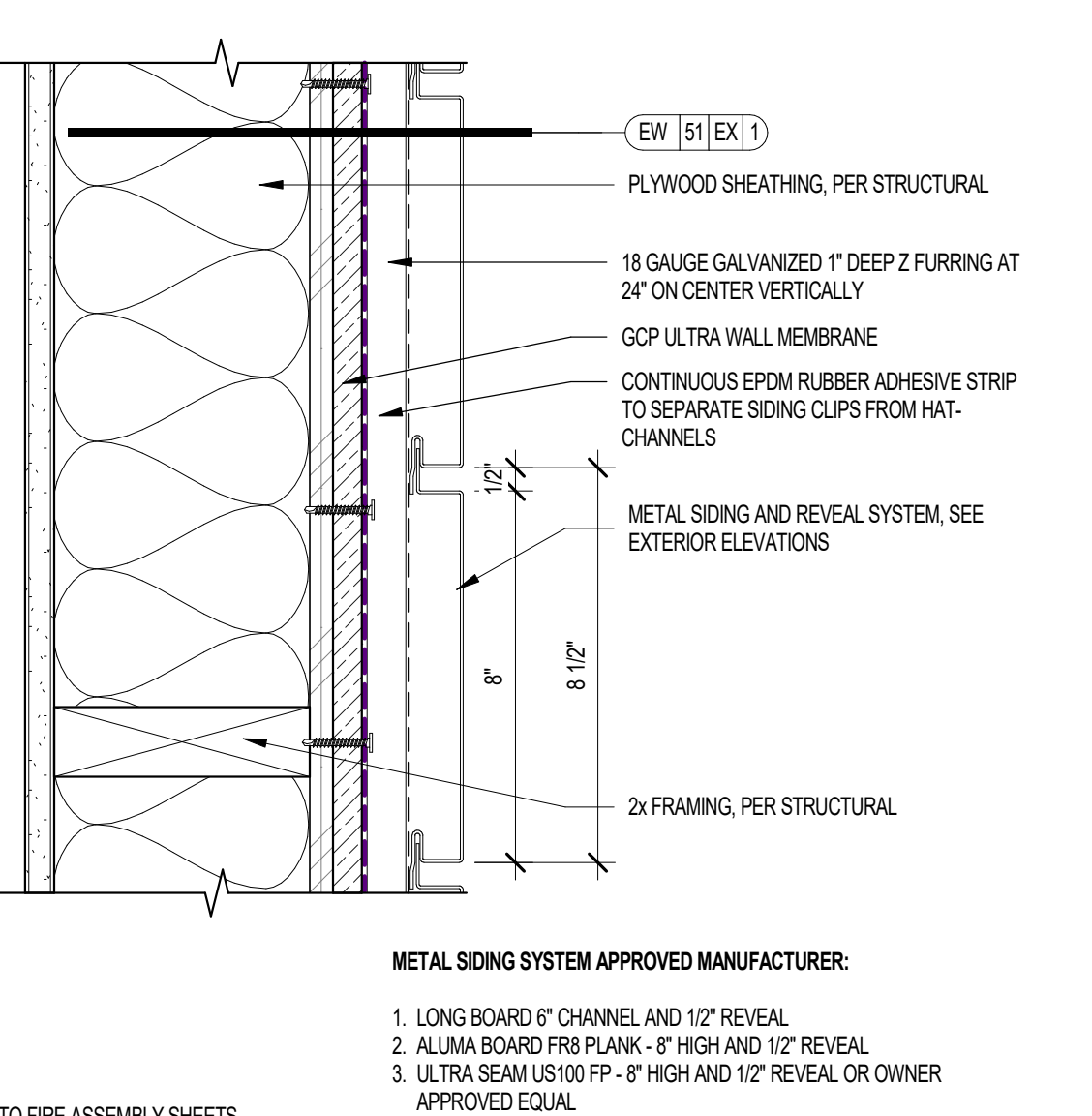
20 ALUMABOARD METAL PANEL AT INSIDE CORNER BUMP OUT SCALE: 6" = 1'-0"



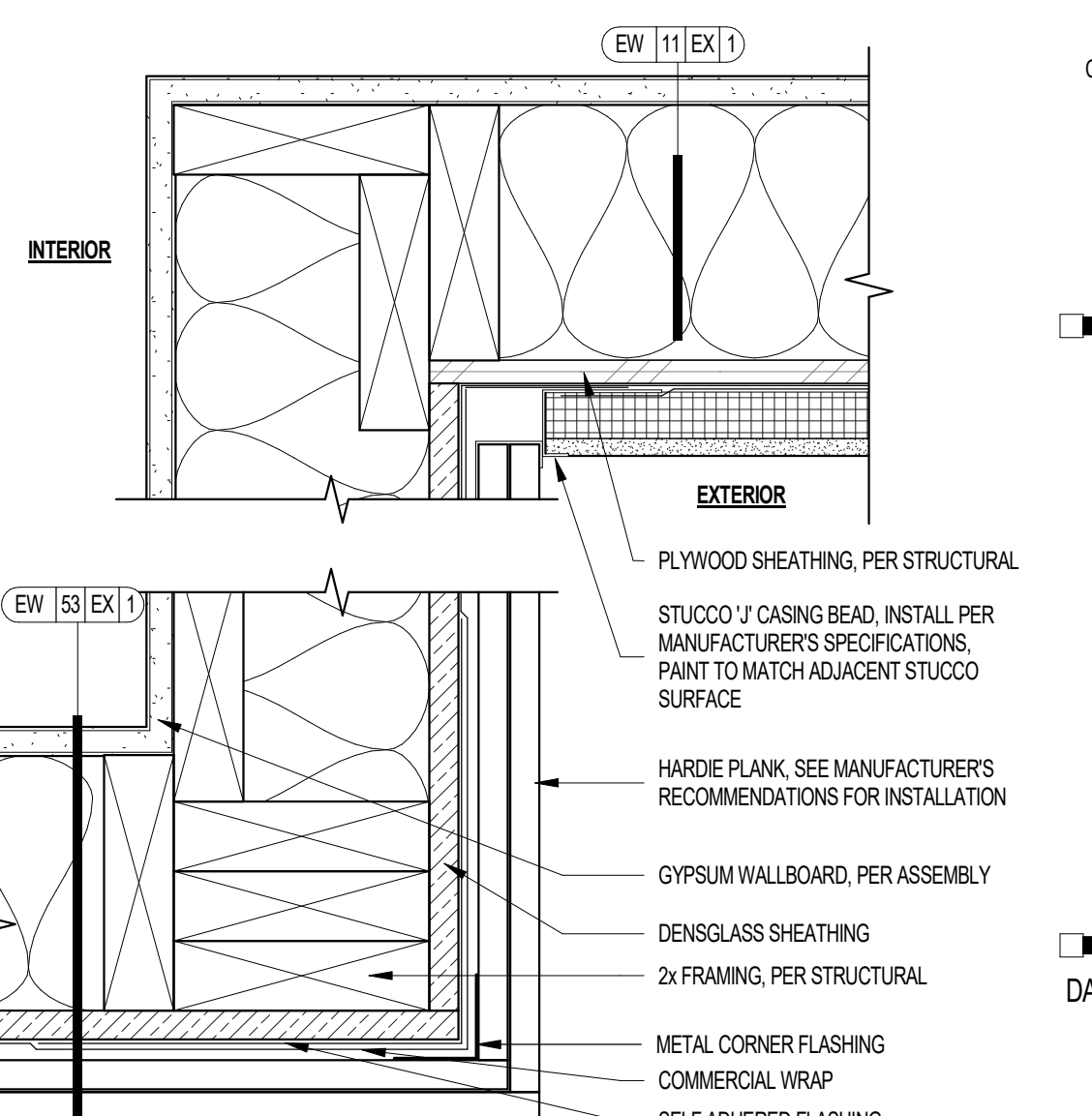
16 ALUMABOARD METAL PANEL - WOOD FRAMING SCALE: 6" = 1'-0"



12 METAL SIDING OUTSIDE CORNER - WOOD FRAMING SCALE: 3" = 1'-0"



08 METAL SIDING - WOOD FRAMING SCALE: 3" = 1'-0"



04 STUCCO TO HARDIE BOARD AT INSIDE CORNER - PLAN DETAIL SCALE: 3" = 1'-0"

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RESIDENTIAL SECURITY
LEGACY HOSPITALITY

Notice of alternate billing (or payment) cycle
This contract allows billing cycles to be revised to accommodate changes in billing cycles or payment terms. This contract shall be amended to reflect any such changes and specifications shall be amended to reflect any such changes. A written description of such changes shall be provided to the project or website from the owner or the contractor's representative.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or the designer and agent shall provide the written description on request.

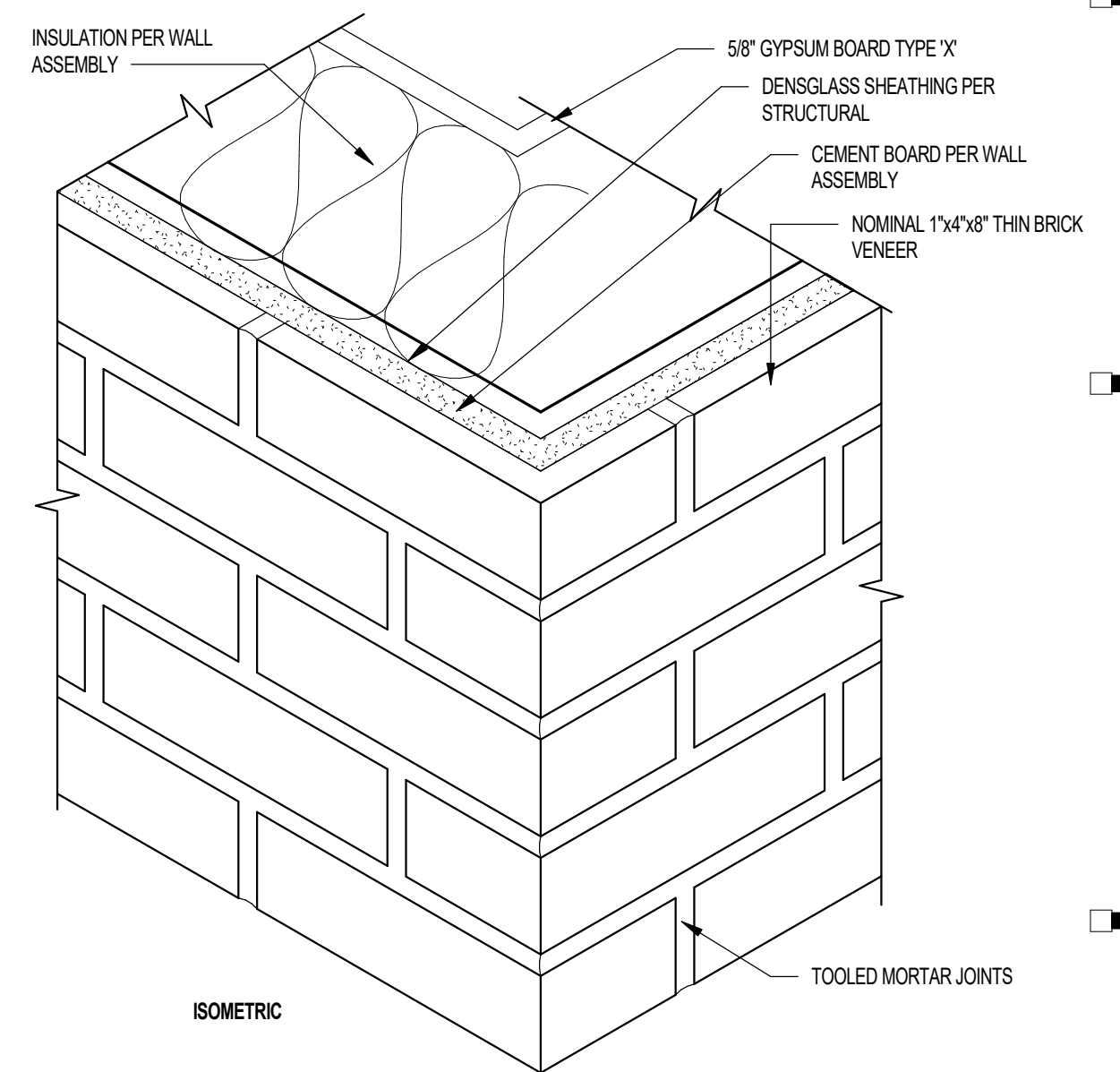
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A7.7.20
EXTERIOR CLADDING DETAILS



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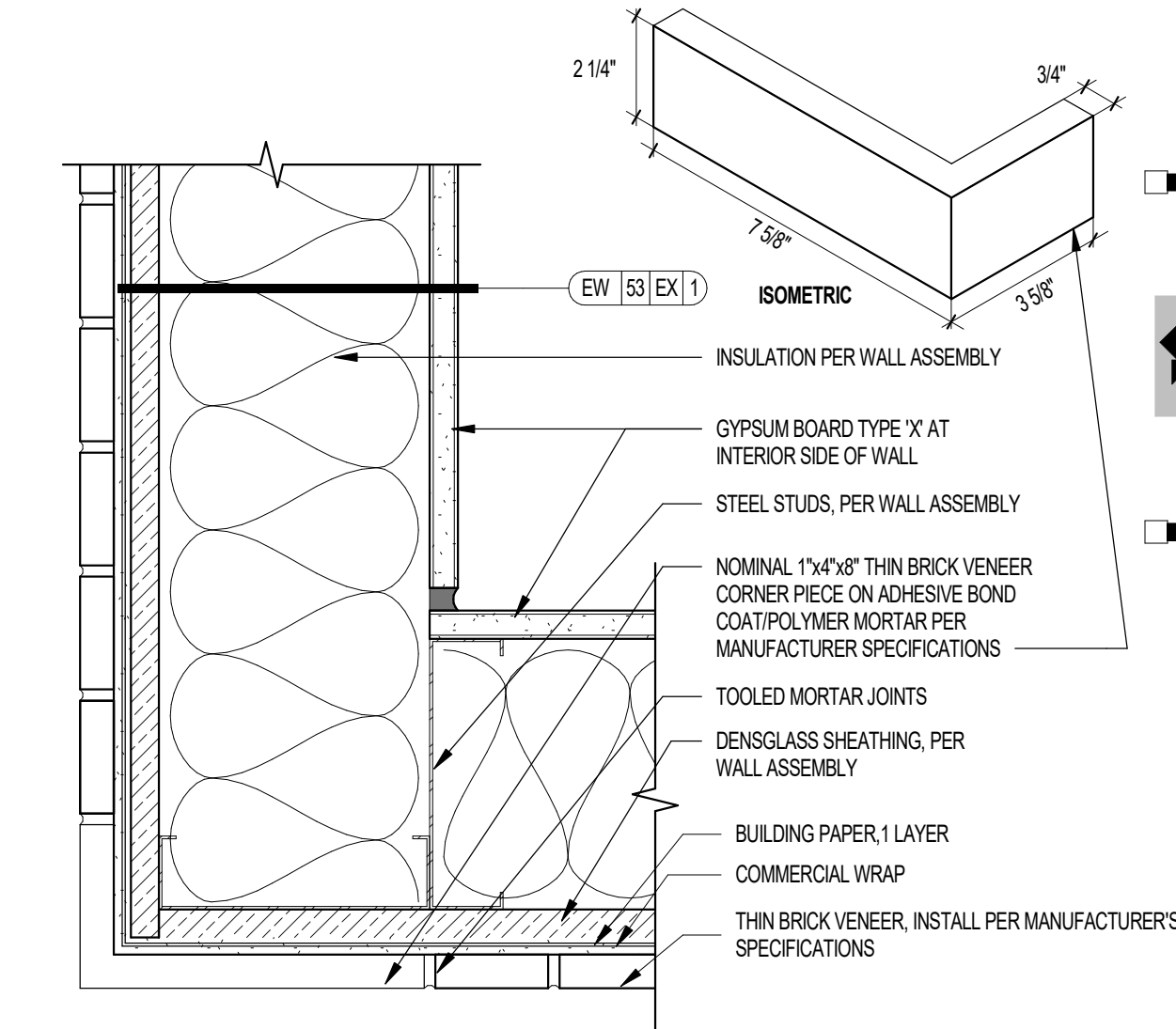


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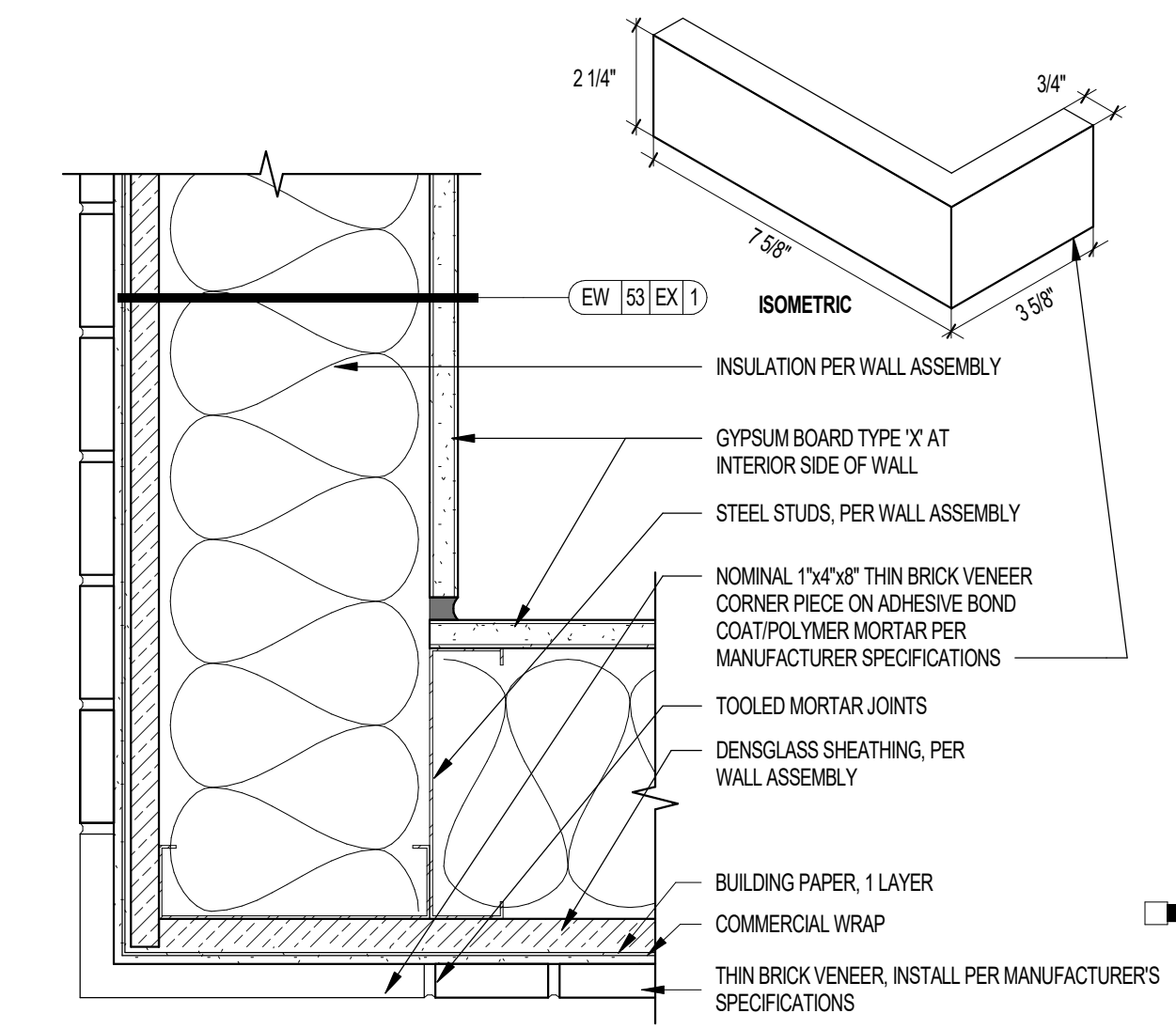
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01 BRICK VENEER @ CORNER EDGE ISOMETRIC
 SCALE: 3" = 1'-0"



02 BRICK VENEER @ CORNER EDGE - PLAN VIEW
 SCALE: 3" = 1'-0"



03 BRICK VENEER VERTICAL CONTROL JOINT AT WOOD FRAMING
 SCALE: 3" = 1'-0"

Notice of alternate billing (or payment) cycle
 This contract allows (they allow) the owner to require the submission of billings or estimates in billing cycles other than the first cycle. This contract shall allow the owner to make payment on an alternate schedule after certification and approval of billings and estimates. A further discussion of such other billing cycle options is provided in the project schedule form to be used at the owner's discretion.

CLIENT NAME
 CLIENT ADDRESS
 CLIENT PHONE NUMBER
 and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of this project may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of the Architect. These drawings and specifications shall not be used for any other projects, for addition to this project, or for completion of this project by others except by the expressed written permission of the Architect.

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A7.7.30
 EXTERIOR BRICK VENEER DETAILS

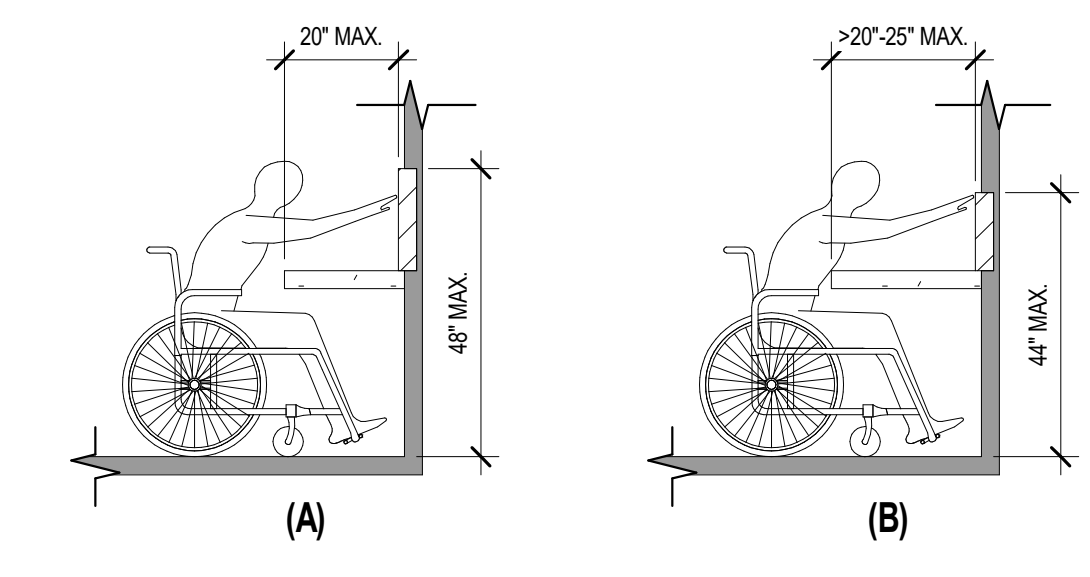
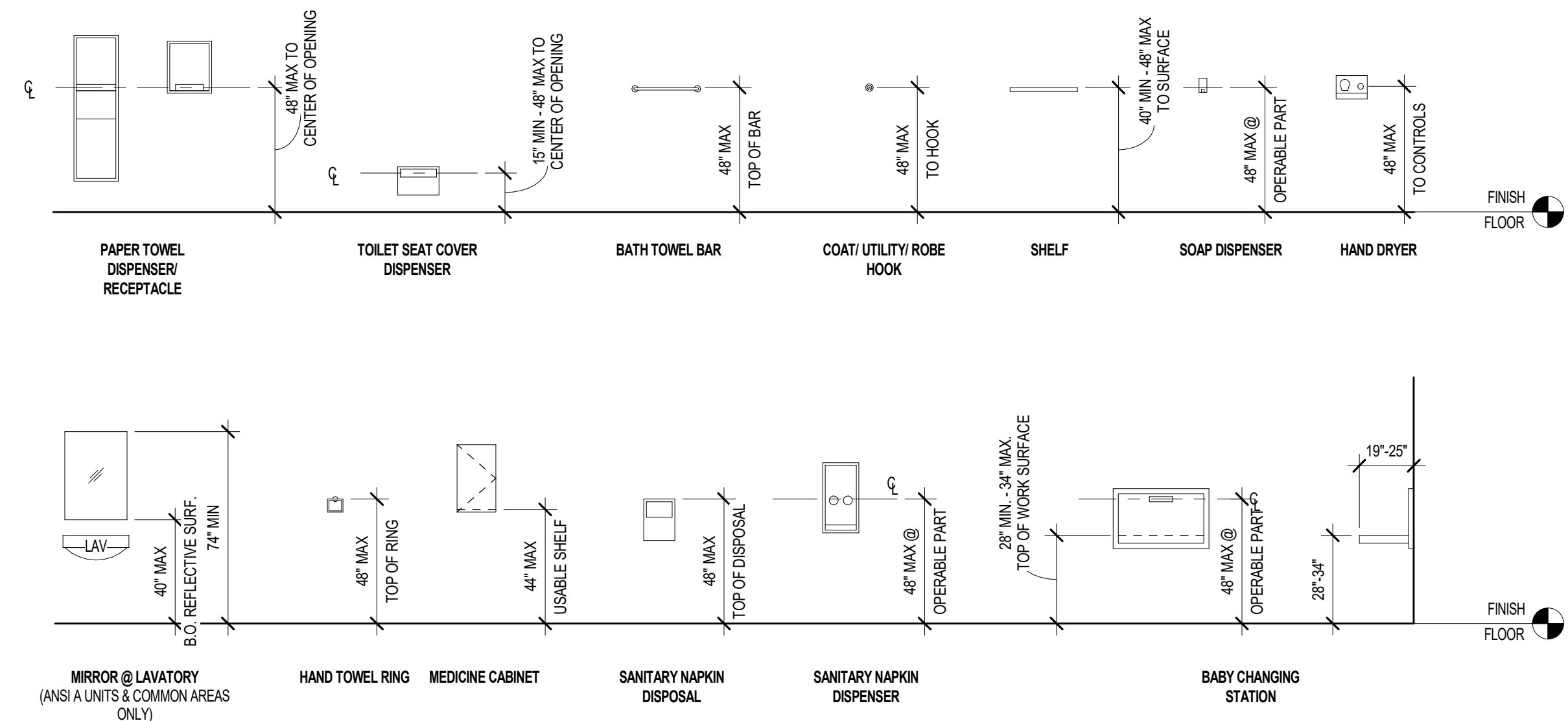


FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD REACH

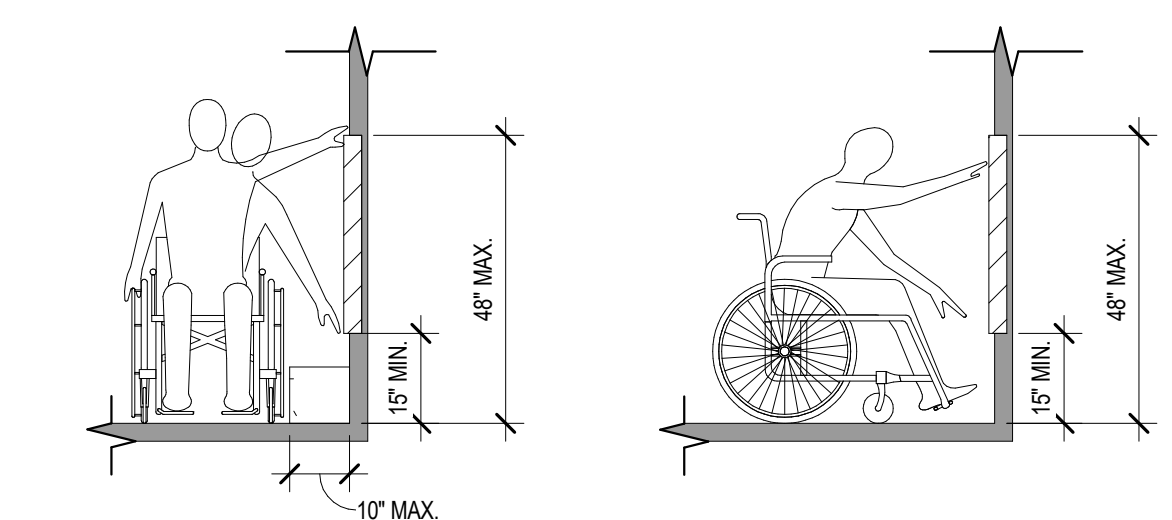


FIGURE 308.3.1
UNOBSTRUCTED SIDE REACH

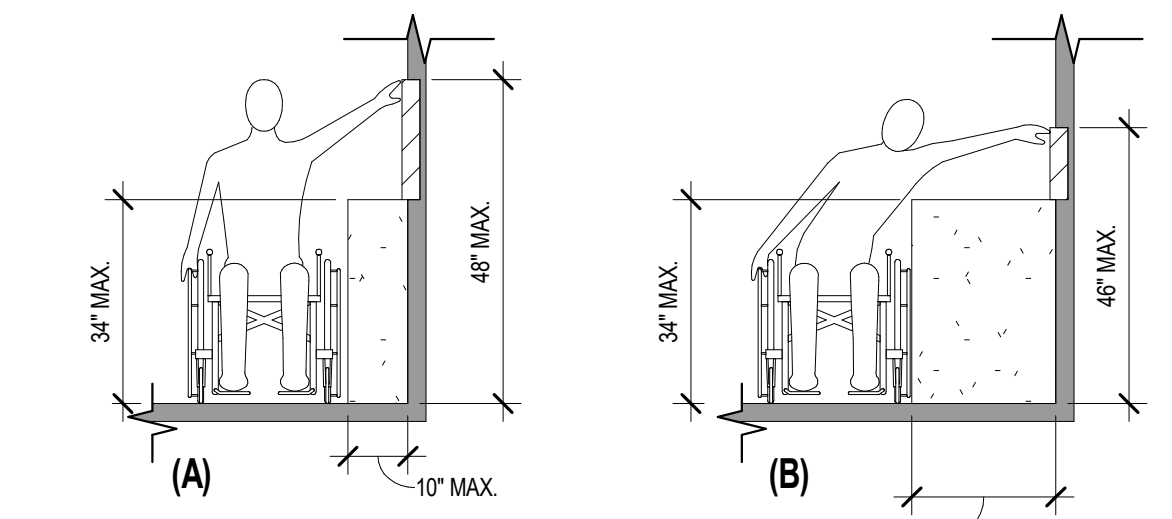
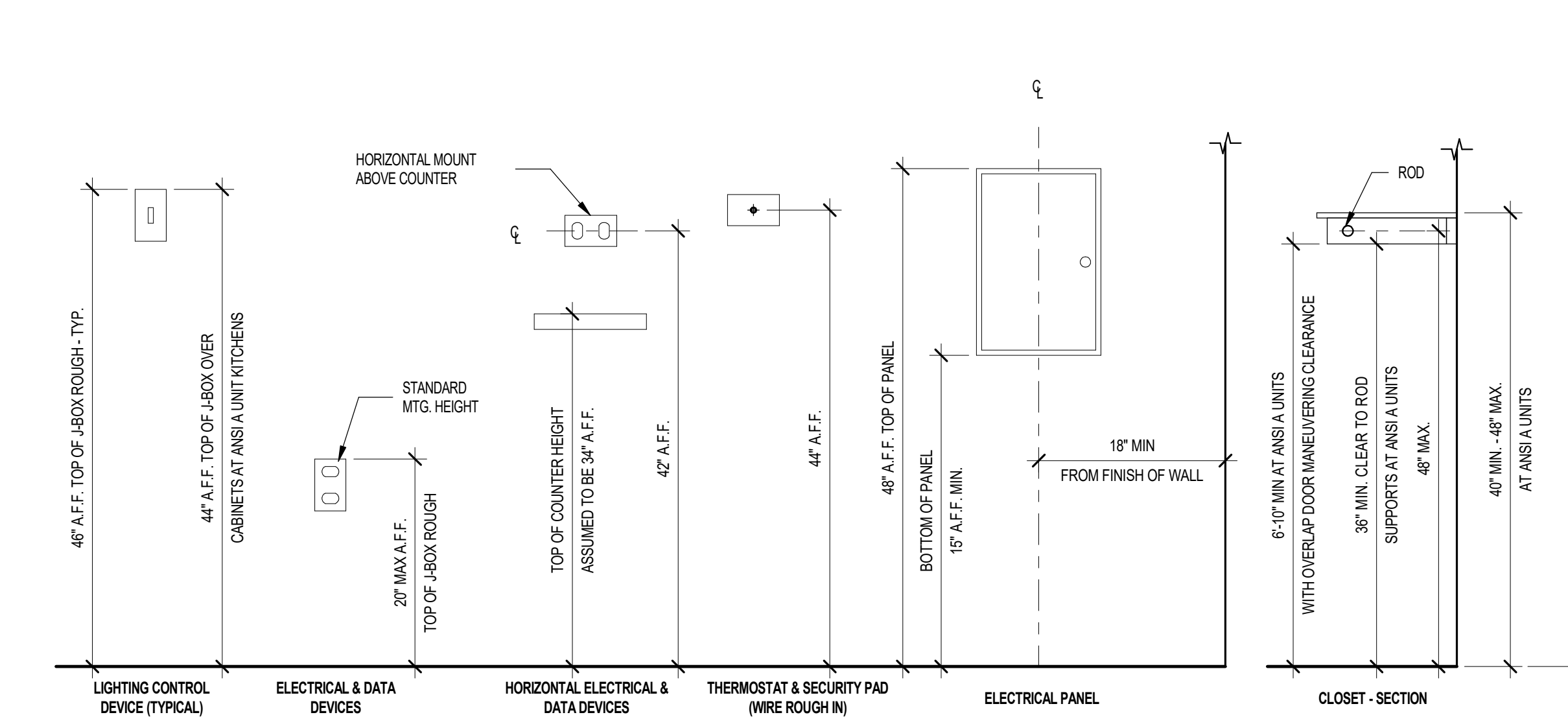
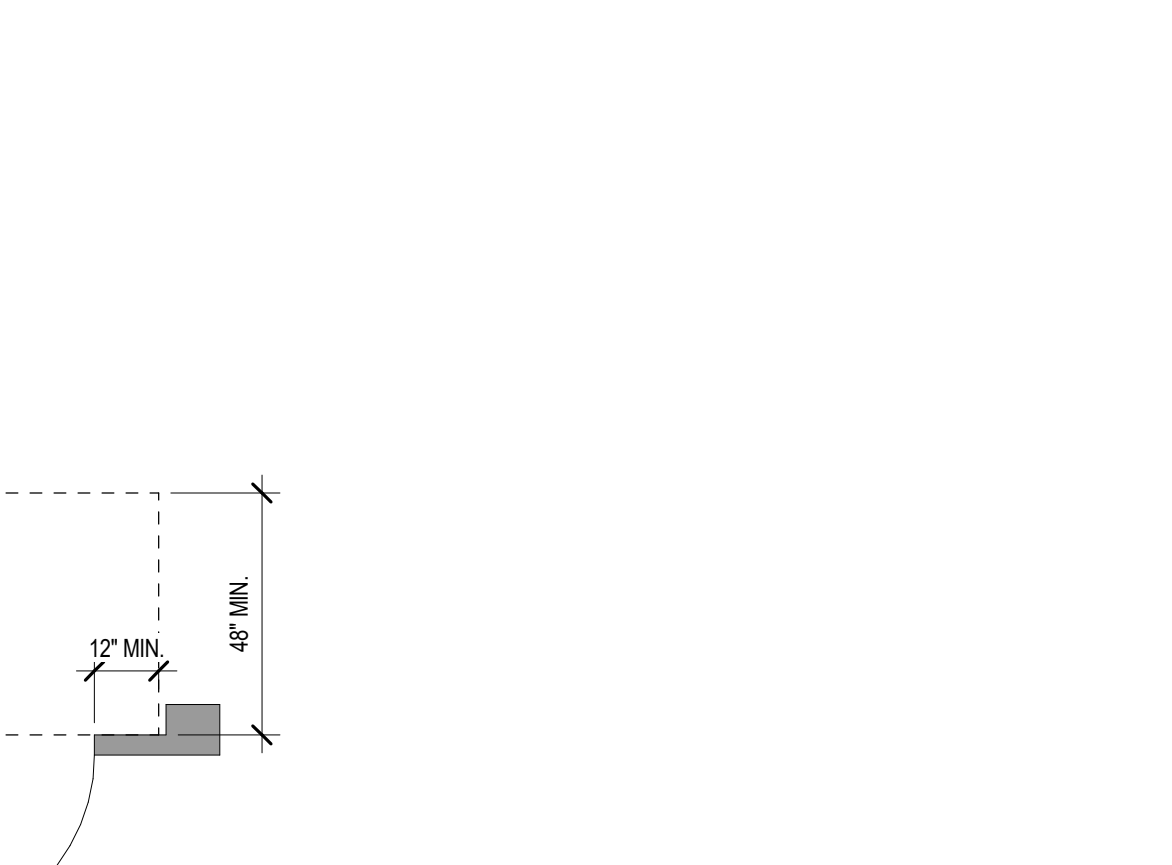


FIGURE 308.3.2
OBSTRUCTED HIGH SIDE REACH

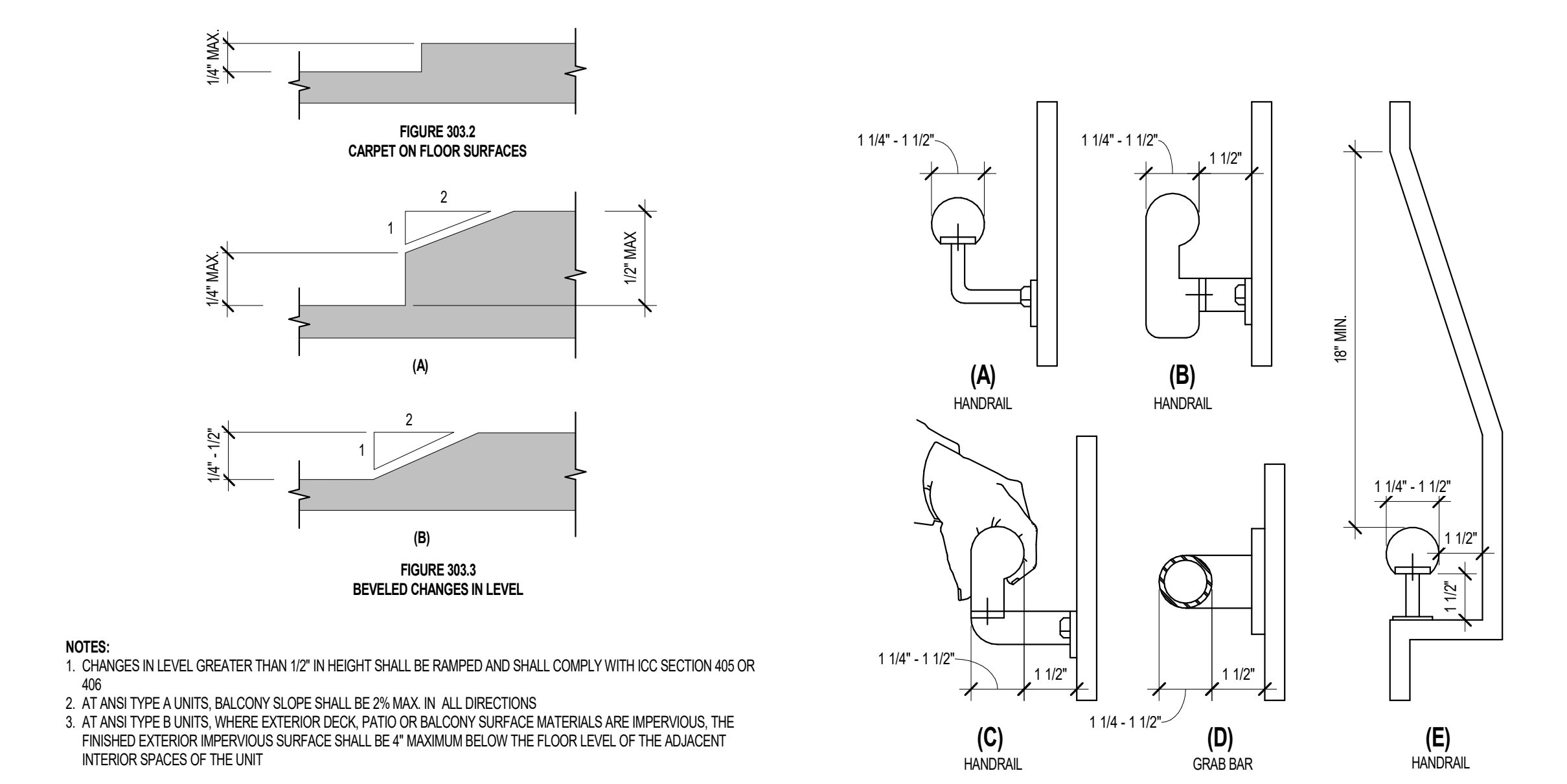
09 RESTROOM FIXTURE MOUNTING HEIGHTS
(ICC A117.1-2009 - 603.3 - 603.6)



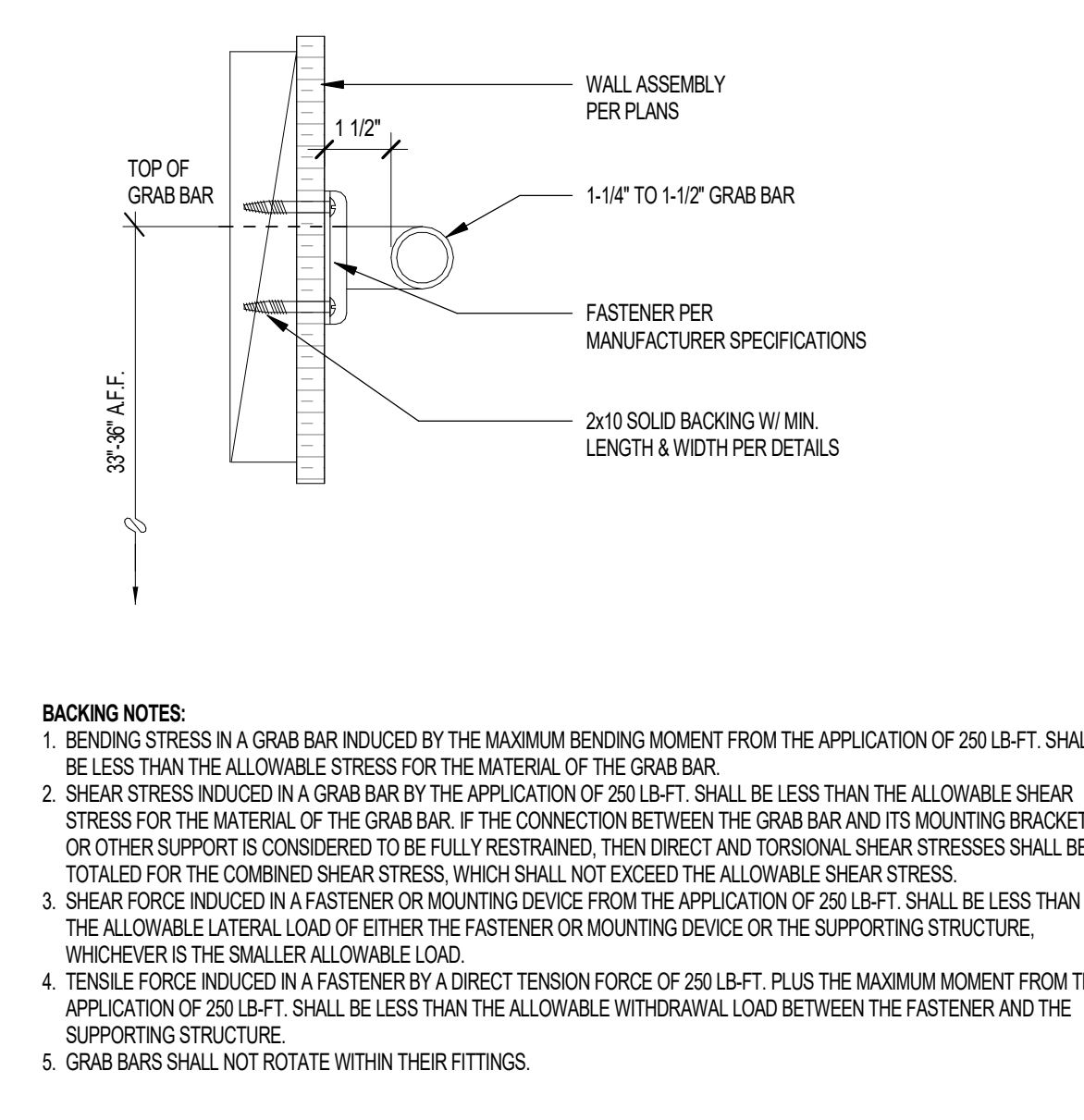
14 KNEE & TOE CLEARANCE
(ICC A117.1-2009 - SECTIONS 306.1)



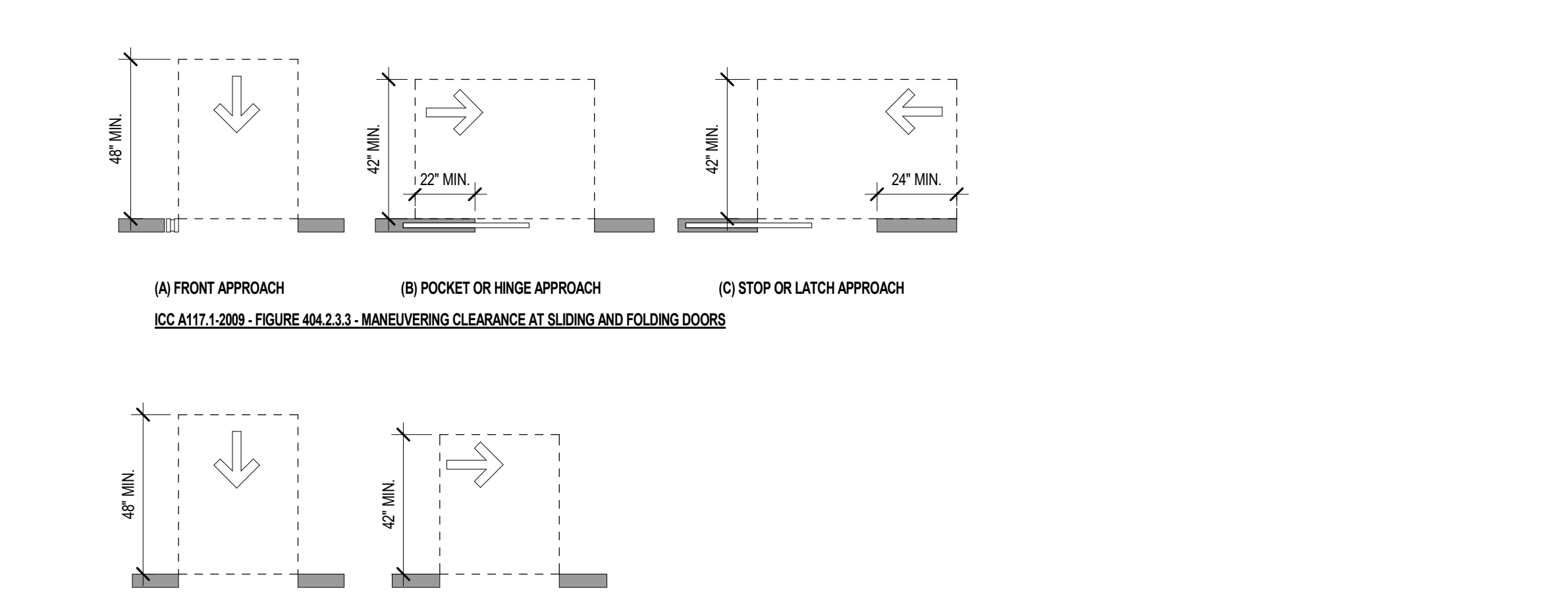
10 MOUNTING HEIGHTS
(IFPA CHAPTER 9 (ICC A17.1-2009 - SECTIONS 308 & 803.5))



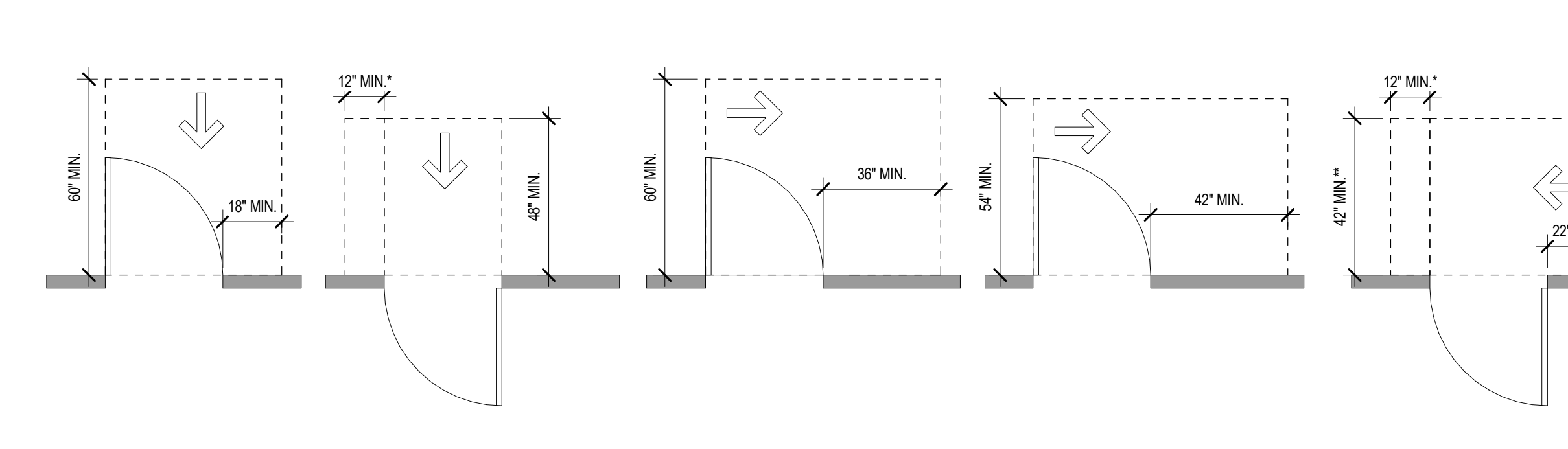
02 ACCESSIBLE REACH RANGES
(ICC A117.1-2009 - SECTION 308 (2010 ADA - SECTION 308))



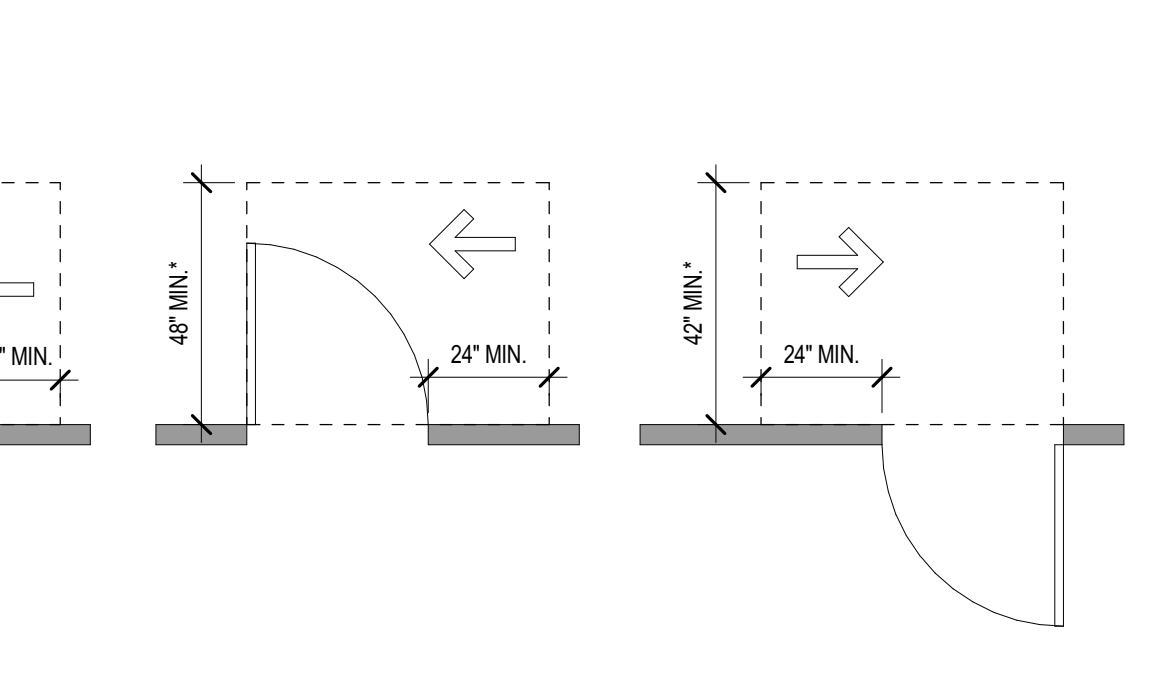
14 KNEE & TOE CLEARANCE (continued)



11 CHANGES IN LEVEL REQUIREMENTS
(ICC A117.1-2009 - SECTIONS 303.2 & 303.3 (2010 ADA - SECTIONS 303.2 & 303.3))



03 WALL BACKING & GRAB BAR CONNECTION
(ICC A117.1-2009 - SECTIONS 609.6 - 609.8)



- ANSI ACCESSIBLE DOOR CLEARANCES REQUIRED IN THE FOLLOWING LOCATIONS:
1. ALL DOORS IN ANSI TYPE 'A' UNITS
2. ENTRY DOORS IN ANSI TYPE 'B' UNITS
3. ALL COMMON AREAS DOORS
4. ALL PEDESTRIAN GATES (INCLUDING POOL GATES)
- DOORS SHALL COMPLY WITH SECTION 404 (ICC/ANSI A117.1-2009 WHICH INCLUDES, BUT IS NOT LIMITED TO):
1. DOOR HARDWARE: ANSI A94.2.6
2. CLOSING SPEED: ANSI A94.2.7
3. OPENING FORCE: ANSI A94.2.8
4. DOOR SURFACE: ANSI A94.2.9

20 ANSI ACCESSIBLE ROUTE/SPECIAL CONDITION DOOR CLEARANCES
(ICC A117.1-2009 - SECTION 404.2.3 (ICC A117.1-2009 - FIGURES 404.2.3.3 - 404.2.3.5) (2010 ADA - SECTION 404.2.4) (2010 ADA - FIGURES 404.2.4.2 & 404.2.4.3))

- ANSI ACCESSIBLE DOOR CLEARANCES REQUIRED IN THE FOLLOWING LOCATIONS:
1. ALL DOORS IN ANSI TYPE 'A' UNITS
2. ENTRY DOORS IN ANSI TYPE 'B' UNITS
3. ALL COMMON AREAS DOORS
4. ALL PEDESTRIAN GATES (INCLUDING POOL GATES)
- DOORS SHALL COMPLY WITH SECTION 404 (ICC/ANSI A117.1-2009 WHICH INCLUDES, BUT IS NOT LIMITED TO):
1. DOOR HARDWARE: ANSI A94.2.6
2. CLOSING SPEED: ANSI A94.2.7
3. OPENING FORCE: ANSI A94.2.8
4. DOOR SURFACE: ANSI A94.2.9

12 ANSI ACCESSIBLE ROUTE/TYPICAL SWING DOOR CLEARANCES
(ICC A117.1-2009 - SECTION 404.2.3 (ICC A117.1-2009 - FIGURE 404.2.3.3) (2010 ADA - SECTION 404.2.4) (2010 ADA - FIGURE 404.2.4.1))

- ANSI ACCESSIBLE DOOR CLEARANCES REQUIRED IN THE FOLLOWING LOCATIONS:
1. ALL DOORS IN ANSI TYPE 'A' UNITS
2. ENTRY DOORS IN ANSI TYPE 'B' UNITS
3. ALL COMMON AREAS DOORS
4. ALL PEDESTRIAN GATES (INCLUDING POOL GATES)
- DOORS SHALL COMPLY WITH SECTION 404 (ICC/ANSI A117.1-2009 WHICH INCLUDES, BUT IS NOT LIMITED TO):
1. DOOR HARDWARE: ANSI A94.2.6
2. CLOSING SPEED: ANSI A94.2.7
3. OPENING FORCE: ANSI A94.2.8
4. DOOR SURFACE: ANSI A94.2.9

03 WALL BACKING & GRAB BAR CONNECTION (continued)

Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of change or addition to billing cycle after the first 30 days. This contract shall allow the contractor to request an alternate billing schedule after certification and approval of billing and estimates. A written notification of such alternate billing cycle request shall be provided to the project manager or the contractor's design consultant.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design agent shall provide the written decision on request.

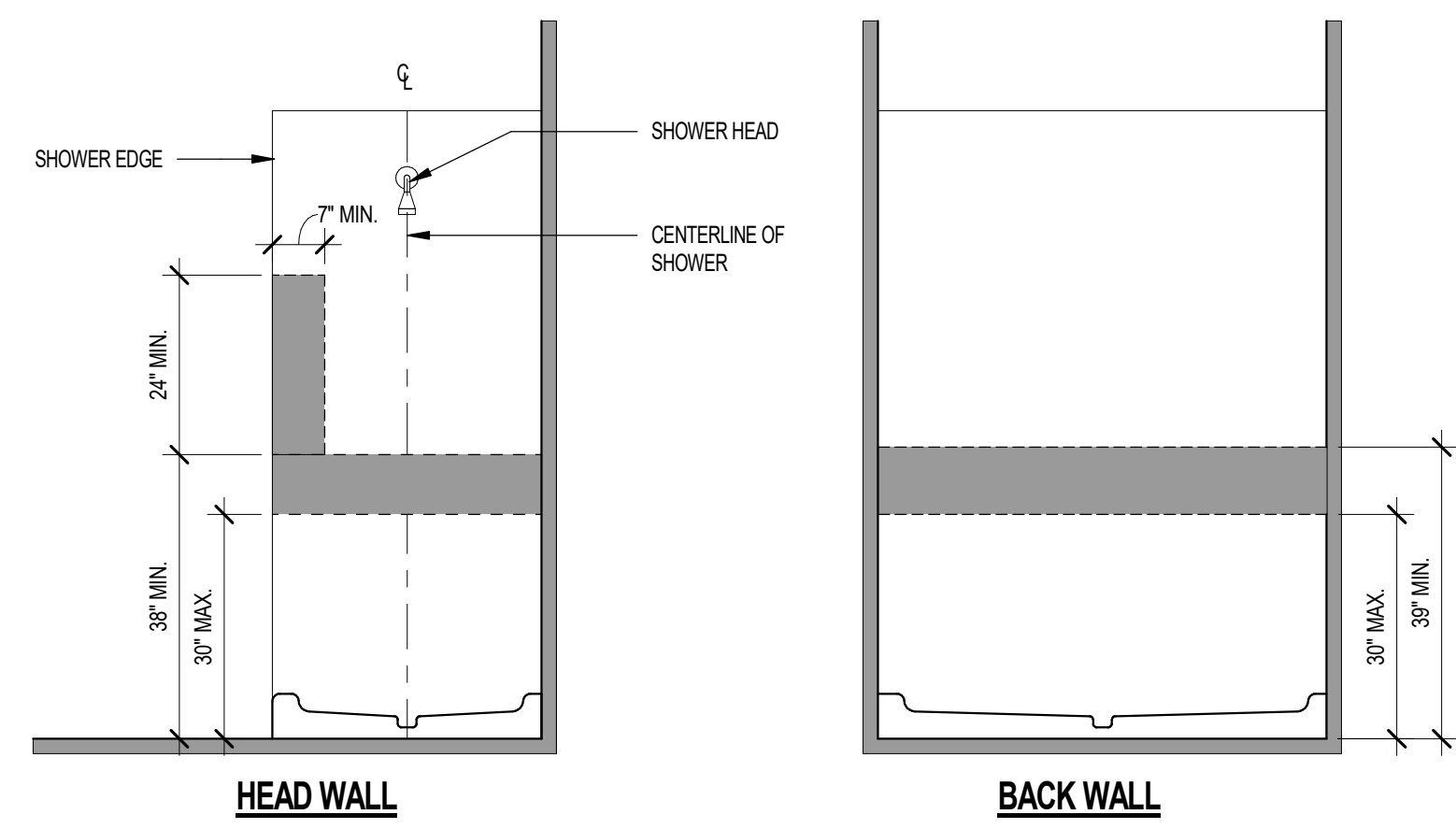
Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect.

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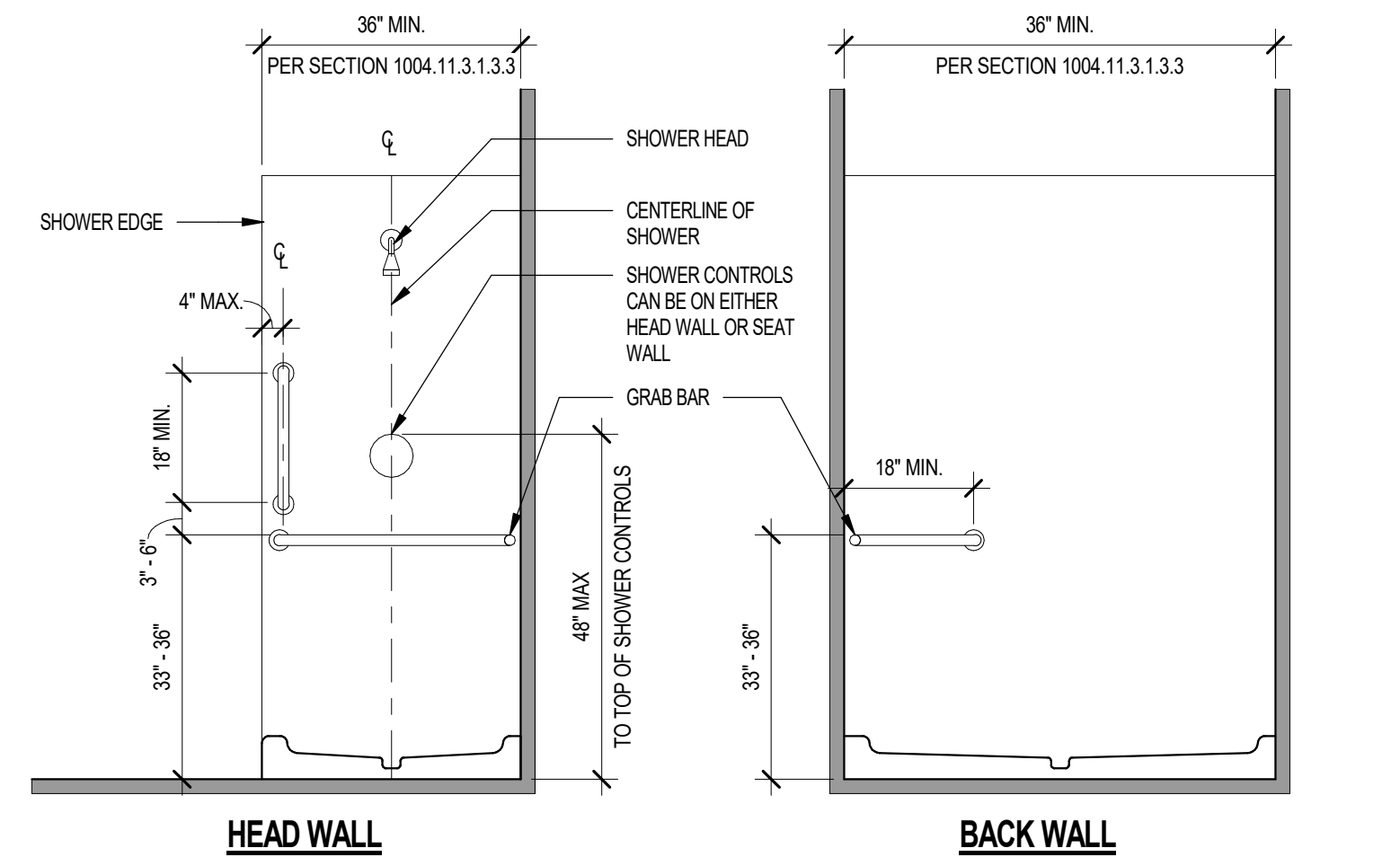
REVISIONS/SUBMITTALS

DATE	DESCRIPTION
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ANSI TYPE B - REINFORCEMENT FOR SHOWERS

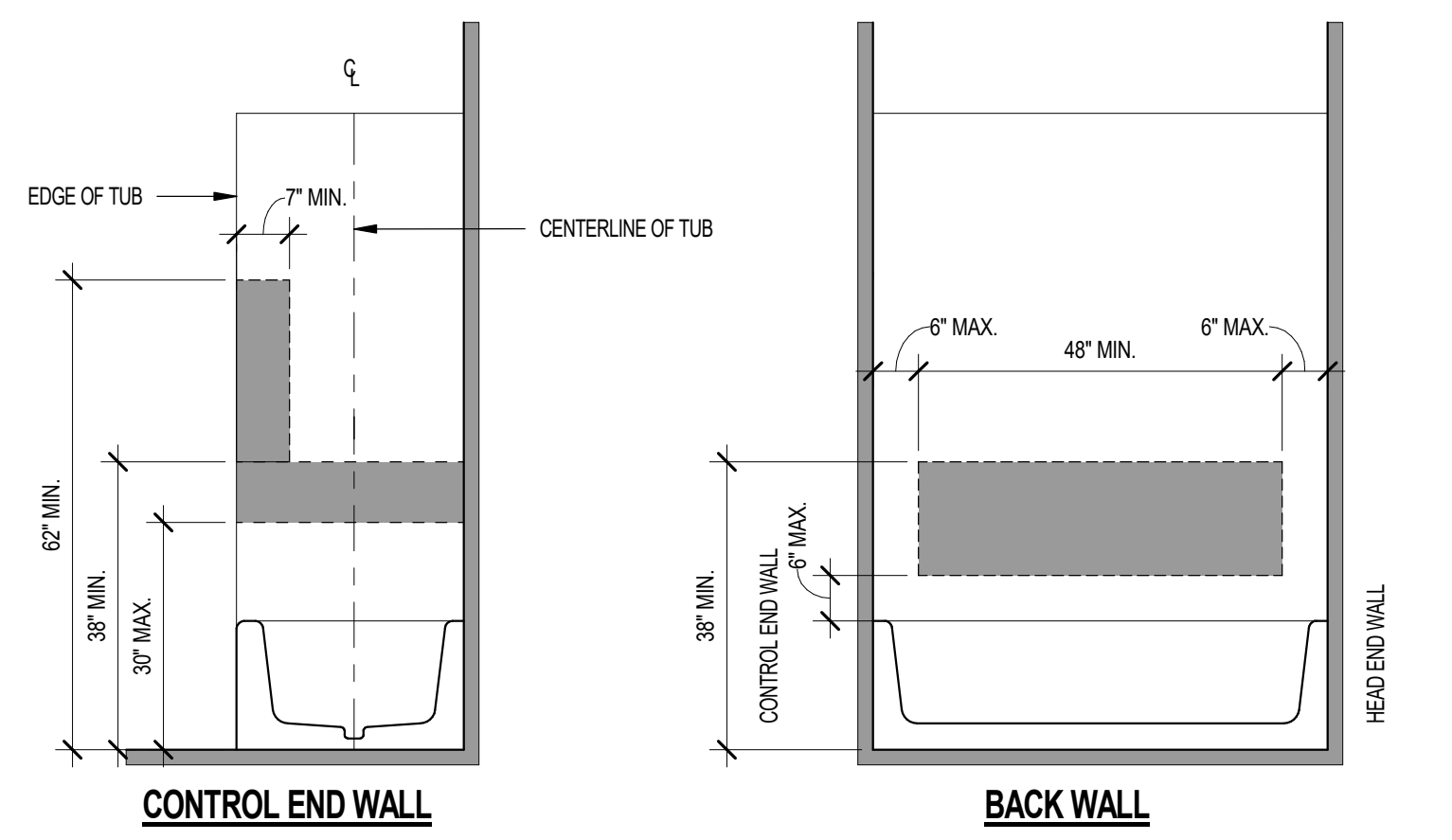
(ICC A117.1-2009 - SECTIONS 1004.11.1 & 608.3.1)



ANSI TYPE B - GRAB BARS FOR SHOWER

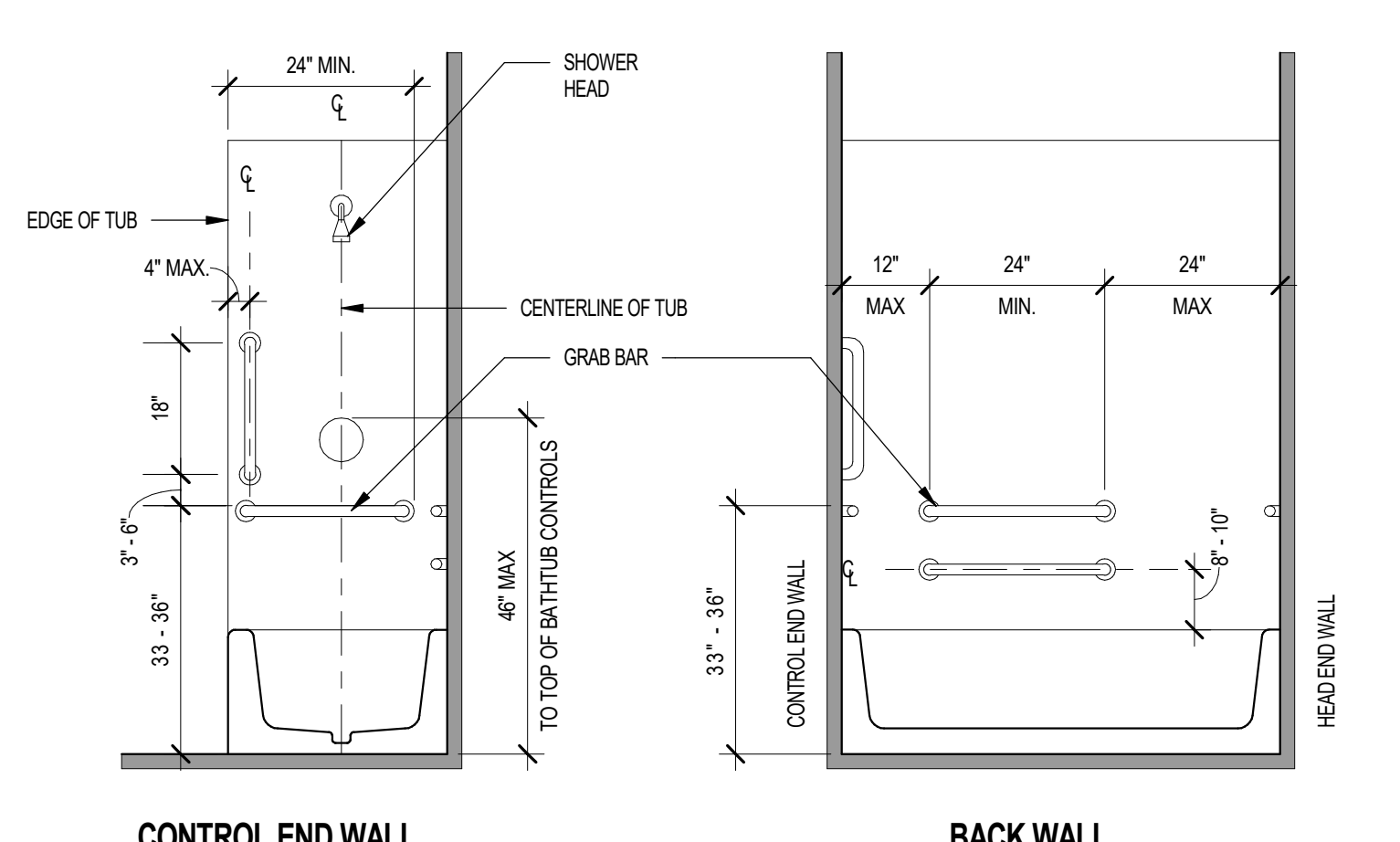
(ICC A117.1-2009 - SECTIONS 1004.11.1 & 608.3.1)

NOTES: (ICC/ANSI A117.1-2009)
1. PER SECTIONS 1004.11.1 & 608.3.1 REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT SHOWER COMPARTMENTS.
2. IN SHOWER COMPARTMENTS LARGER THAN 36 INCHES IN WIDTH AND 36 INCHES IN DEPTH REINFORCEMENT FOR A SHOWER SEAT IS NOT REQUIRED PER SECTION 1004.11.3.1.3.3.
3. GRAB BARS SHALL BE INSTALLED MEASURING FROM FINISH FLOOR TO THE TOP OF THE GRIPPING SURFACE. TYPICAL, UNLESS SPECIFIED OTHERWISE.
4. IN CASE OF SHOWER DOOR BEING INSTALLED, ACCESS TO SHOWER SHALL BE FROM CONTROL WALL SIDE.



ANSI TYPE B - REINFORCEMENT FOR BATHTUBS

(FHA CHAPTER 6)
(ICC A117.1-2009 - SECTIONS 1004.11.1 & 607.4)



ANSI TYPE B - GRAB BARS FOR BATHTUB

(ICC A117.1-2009 - SECTIONS 1004.11.1 & 607.4)

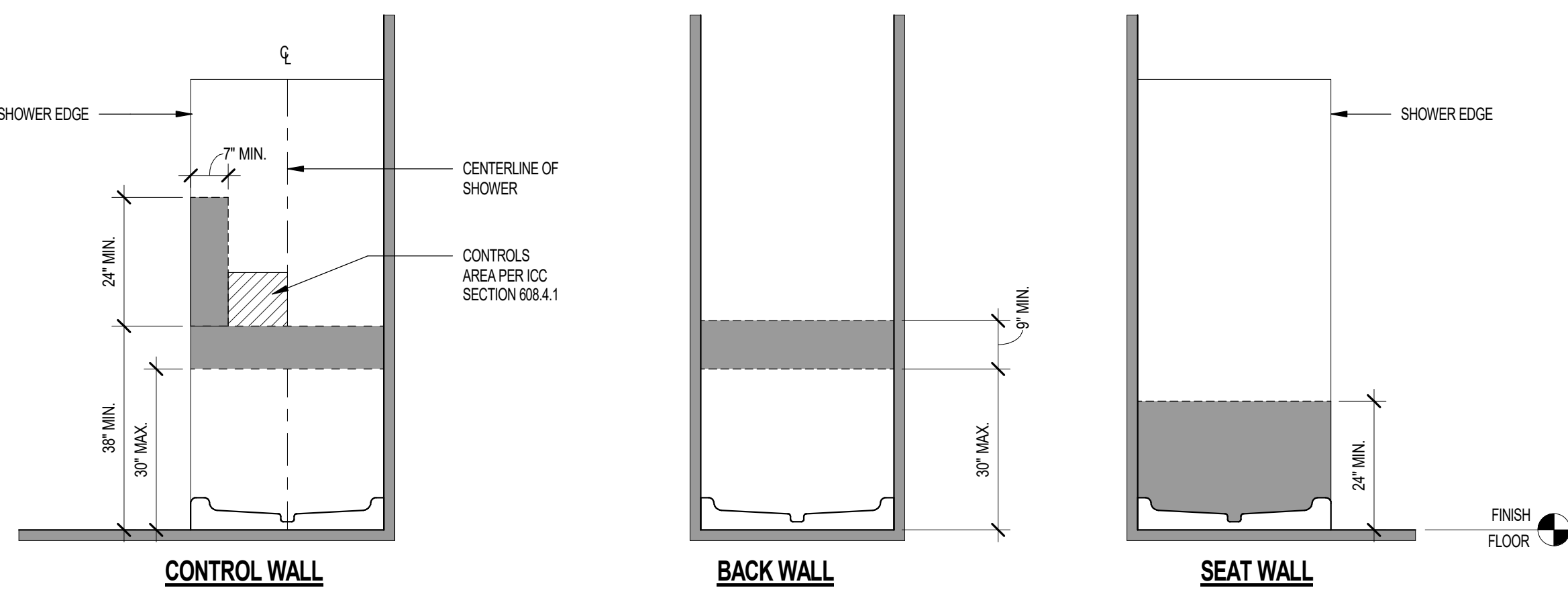
NOTES: (ICC/ANSI A117.1-2009)
1. PER SECTIONS 1004.11.1 & 607.4 REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AT BATHTUBS.
2. GRAB BARS SHALL BE INSTALLED MEASURING FROM FINISH FLOOR TO THE TOP OF THE GRIPPING SURFACE. TYPICAL, UNLESS SPECIFIED OTHERWISE.

14 ANSI B - REINFORCEMENT AND GRAB BAR FOR SHOWERS

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

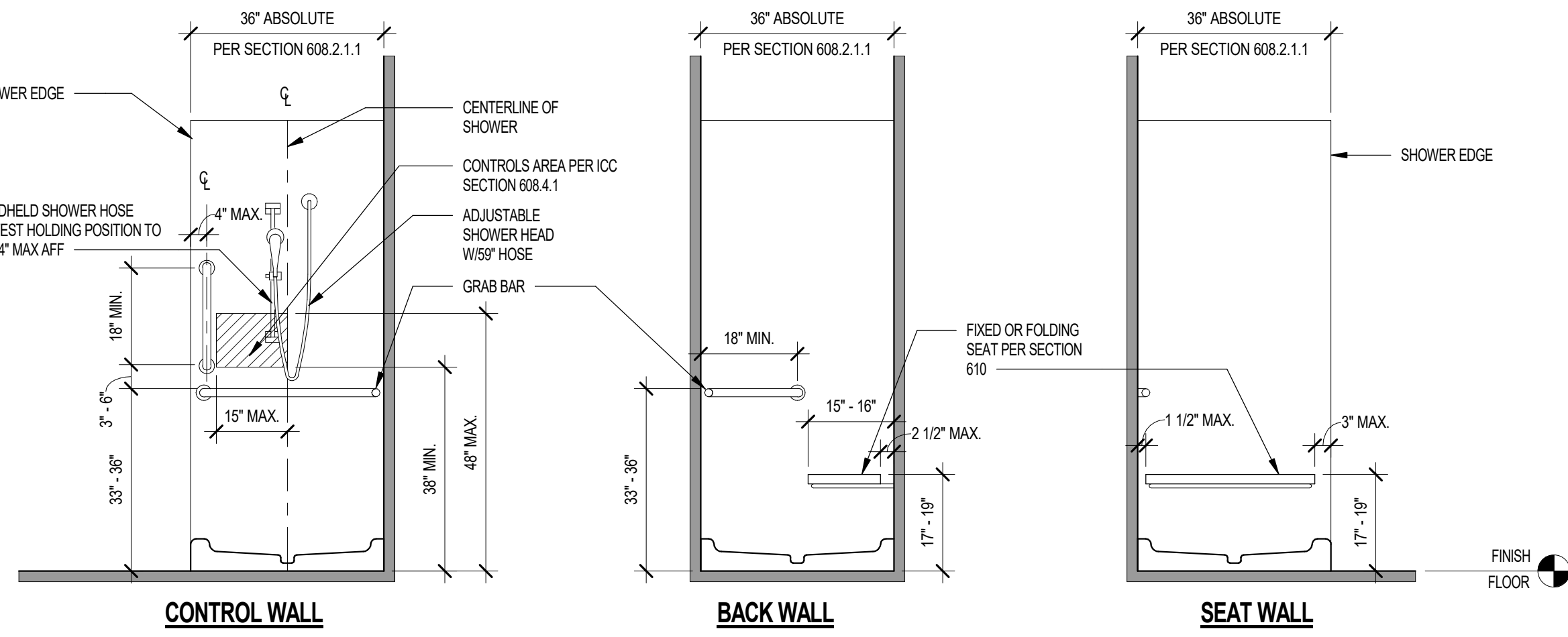
06 ANSI B - REINFORCEMENT AND GRAB BAR FOR BATHTUBS

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



ANSI TYPE A - REINFORCEMENT FOR TRANSFER-TYPE SHOWER

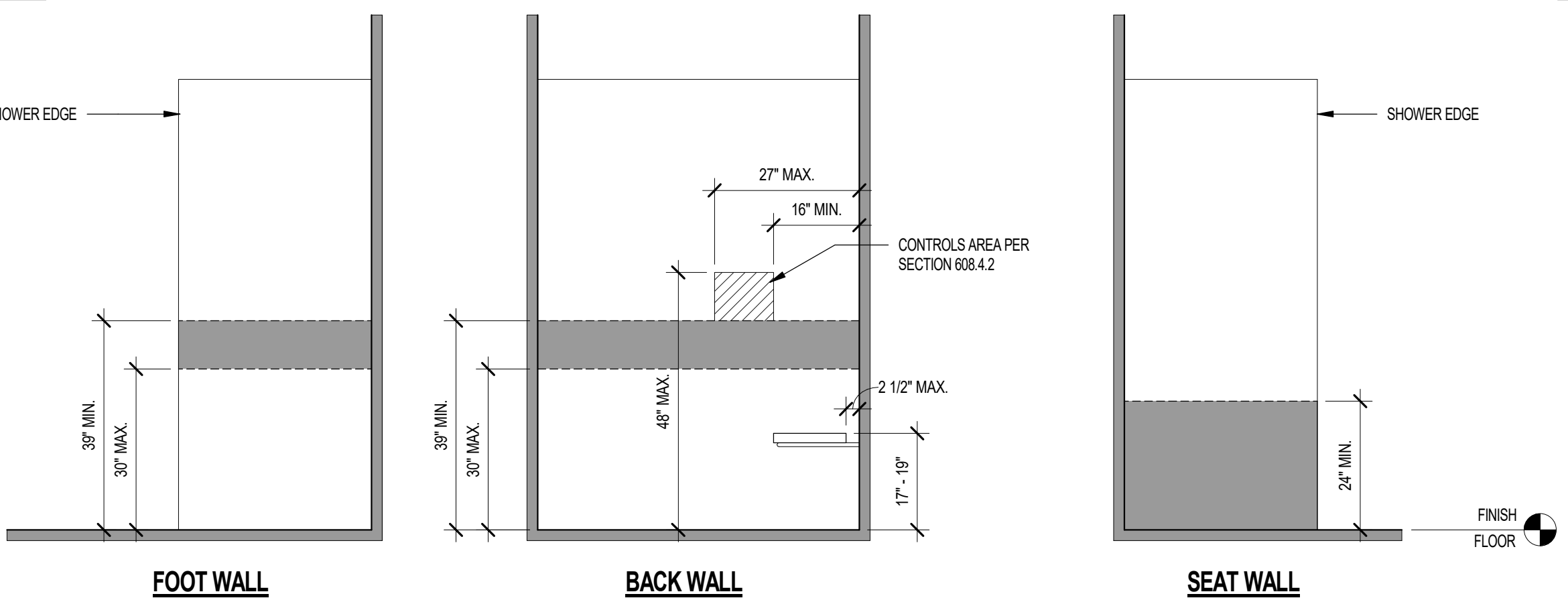
(ICC A117.1-2009 - SECTIONS 1003.11.1 & 608.3.1)



ANSI TYPE A - GRAB BARS FOR TRANSFER-TYPE SHOWER

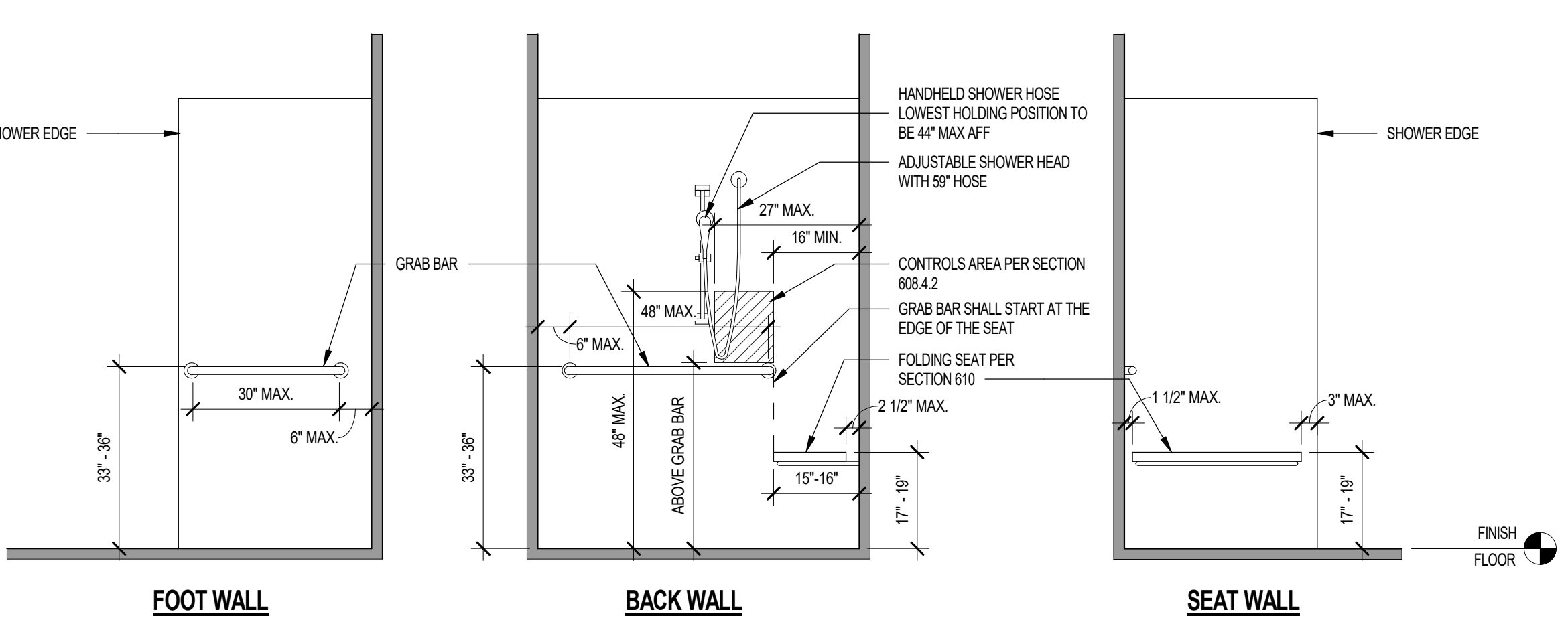
(ICC A117.1-2009 - SECTIONS 1003.11.1 & 608.3.1)

NOTES: (ICC/ANSI A117.1-2009)
1. PER SECTIONS 1003.11.1 & 608.3.1 REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT SHOWER COMPARTMENTS.
2. THE HEIGHT OF SHOWER COMPARTMENT SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE BATHROOM FLOOR, MEASURED TO THE TOP OF THE SEAT.
3. GRAB BARS SHALL BE INSTALLED MEASURING FROM FINISH FLOOR TO THE TOP OF THE GRIPPING SURFACE. TYPICAL, UNLESS SPECIFIED OTHERWISE.
4. IN CASE OF SHOWER DOOR BEING INSTALLED, ACCESS TO SHOWER SHALL BE FROM CONTROL WALL SIDE.



ANSI TYPE A - REINFORCEMENT FOR ROLL-IN SHOWER

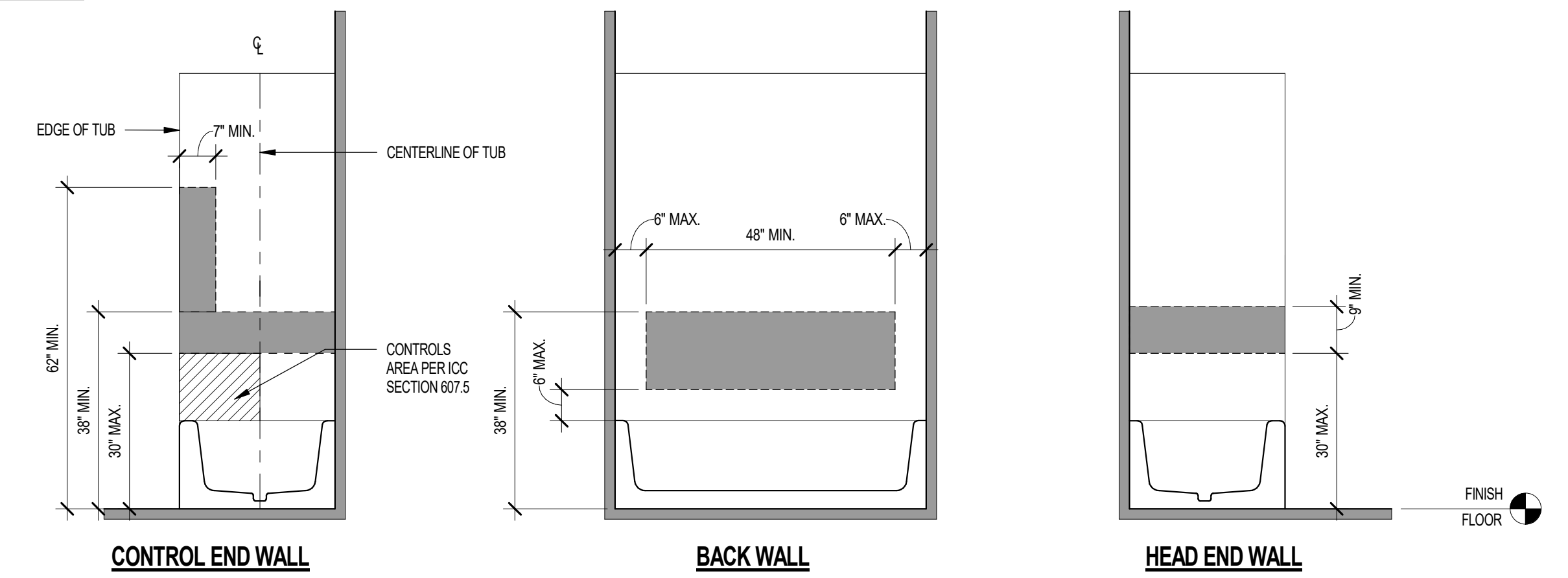
(ICC A117.1-2009 - SECTIONS 1003.11.2.5.2 & 608.3.2)



ANSI TYPE A - GRAB BARS FOR ROLL-IN SHOWER

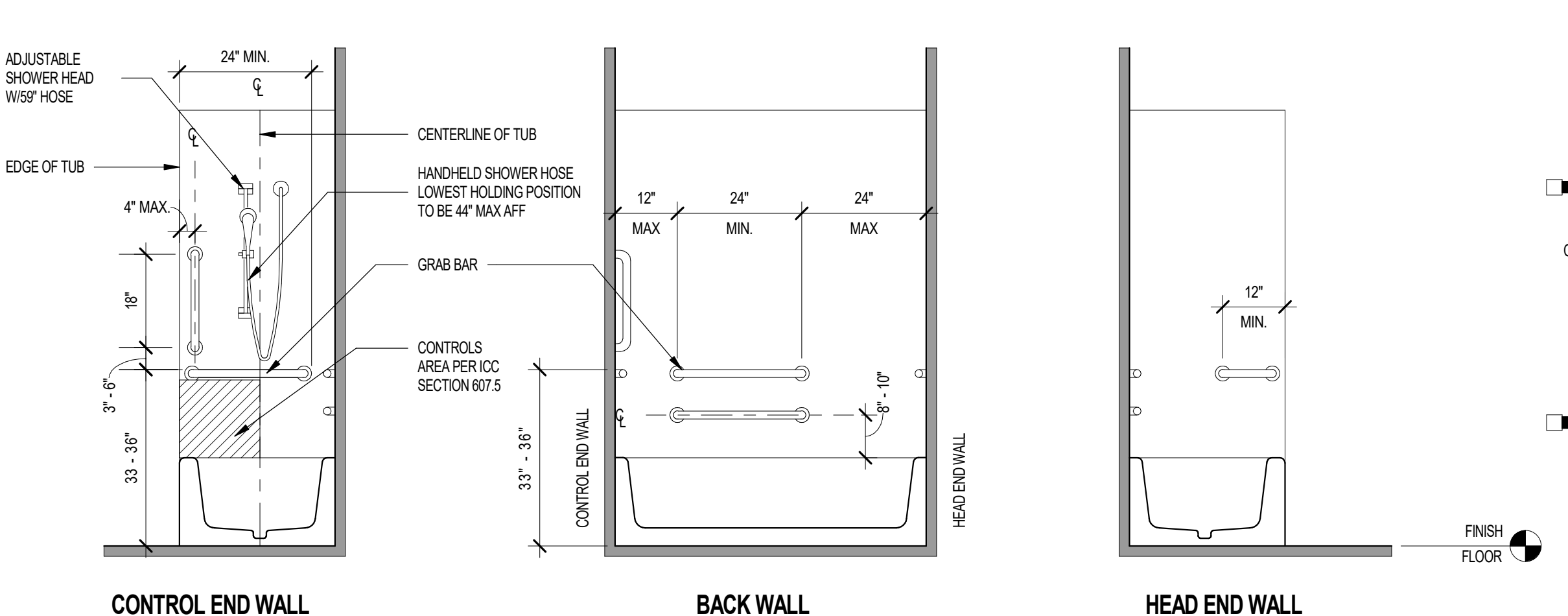
(ICC A117.1-2009 - SECTIONS 1003.11.2.5.2 & 608.3.2)

NOTES: (ICC/ANSI A117.1-2009)
1. PER SECTIONS 1003.11.2.5.2 & 608.3.2 REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AND SHOWER SEATS AT SHOWER COMPARTMENTS.
2. THE HEIGHT OF SHOWER COMPARTMENT SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE BATHROOM FLOOR, MEASURED TO THE TOP OF THE SEAT.
3. GRAB BARS SHALL BE INSTALLED MEASURING FROM FINISH FLOOR TO THE TOP OF THE GRIPPING SURFACE. TYPICAL, UNLESS SPECIFIED OTHERWISE.
4. IN CASE OF SHOWER DOOR BEING INSTALLED, ACCESS TO SHOWER SHALL BE FROM SEAT WALL SIDE.



ANSI TYPE A - REINFORCEMENT FOR BATHTUBS

(FHA CHAPTER 6)
(ICC A117.1-2009 - SECTIONS 1003.11.1 & 607.4)



ANSI TYPE A - GRAB BARS FOR BATHTUBS

(ICC A117.1-2009 - SECTIONS 1003.11.1 & 607.4)

NOTES: (ICC/ANSI A117.1-2009)
1. PER SECTIONS 1003.11.1 & 607.4 REINFORCEMENT SHALL BE PROVIDED FOR THE FUTURE INSTALLATION OF GRAB BARS AT BATHTUBS.
2. GRAB BARS SHALL BE INSTALLED MEASURING FROM FINISH FLOOR TO THE TOP OF THE GRIPPING SURFACE. TYPICAL, UNLESS SPECIFIED OTHERWISE.

Notice of alternate billing (or payment) cycle
This contract allows (they allow) for review to require the admission of billing or advance in billing cycle when the first date. This contract shall also be subject to the terms, conditions and specifications of the alternate schedule after certification and approval of billing and estimates. A further revision of work after billing cycle applies to the project is available from the owner or the owner's design consultant.

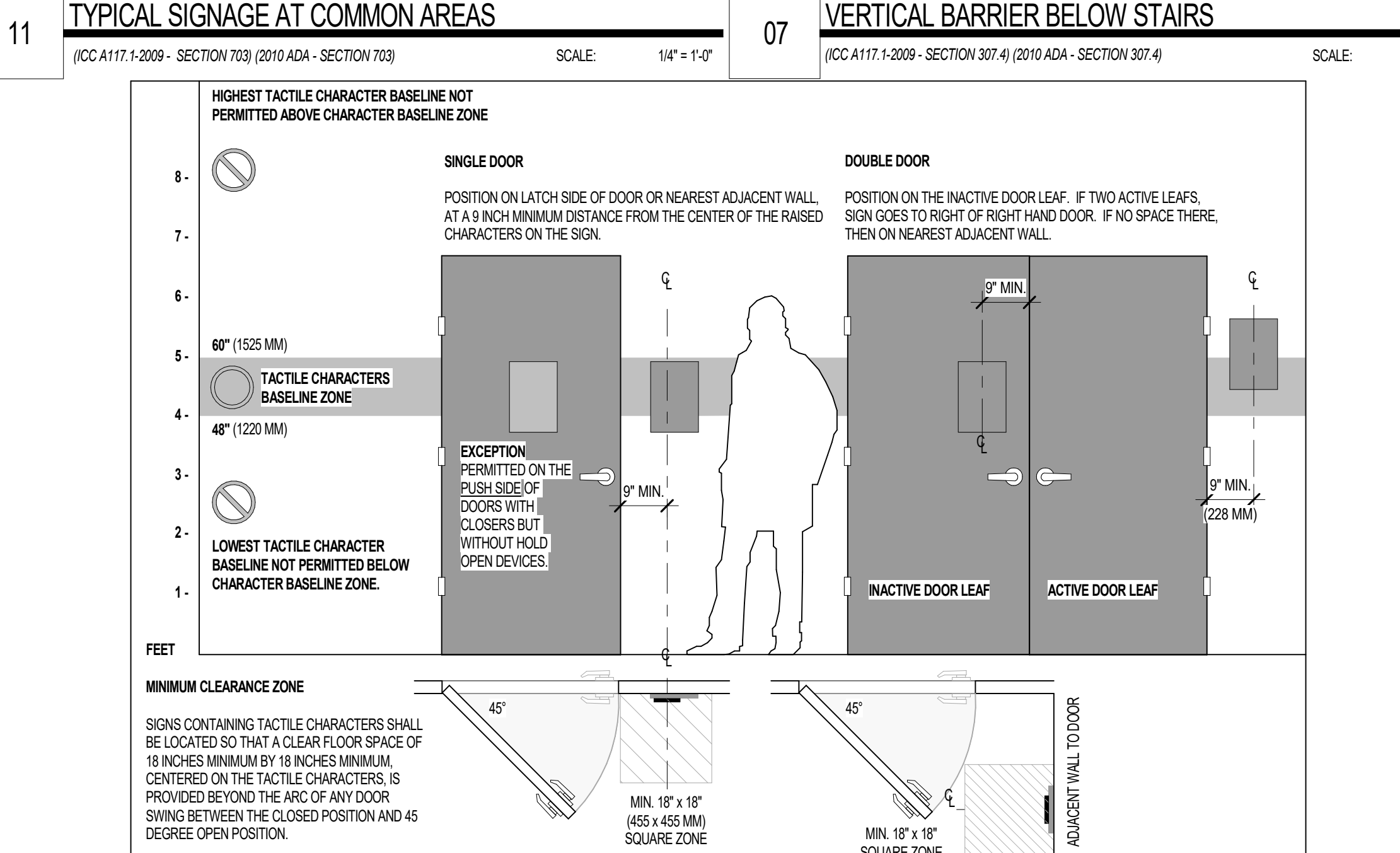
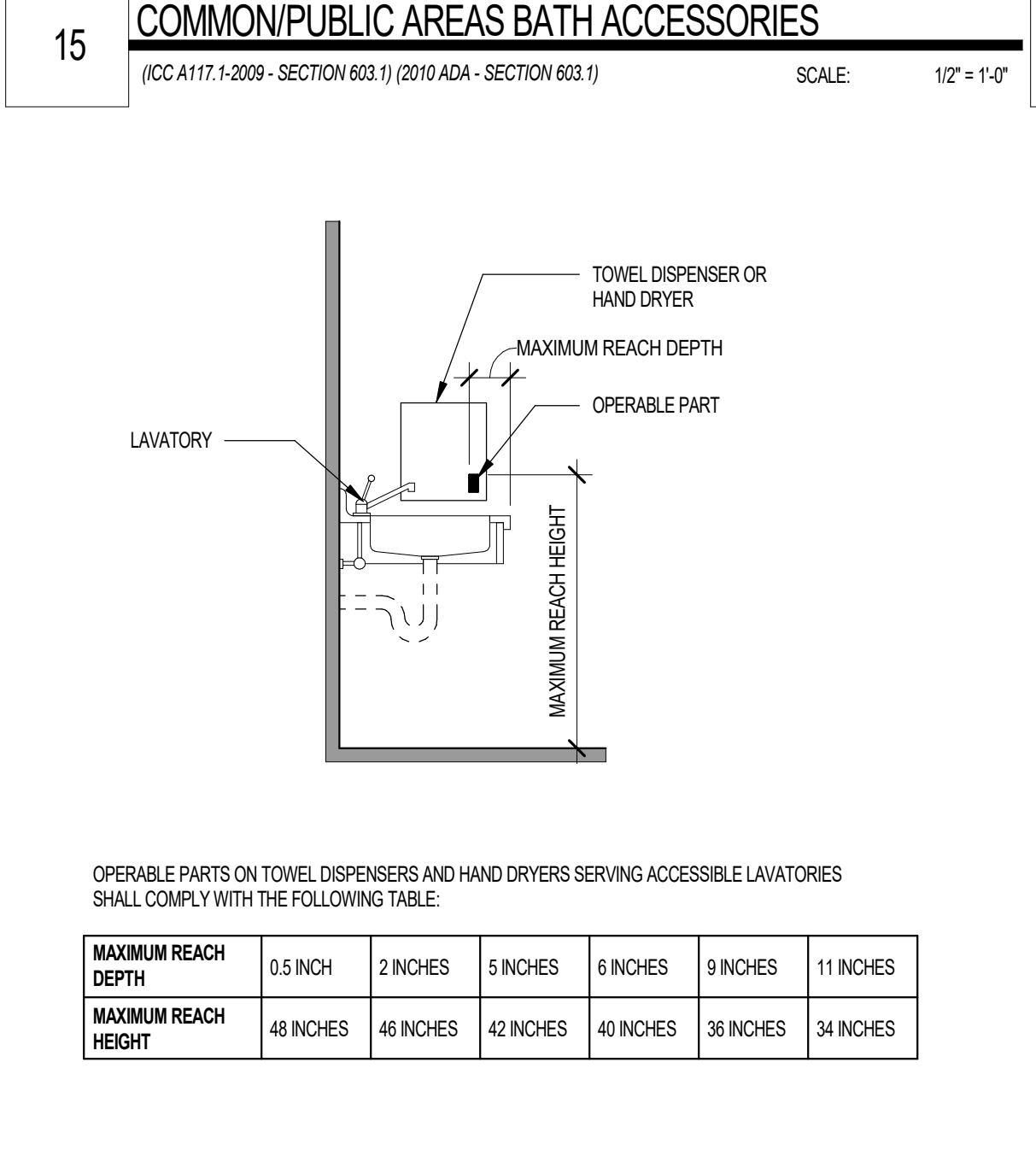
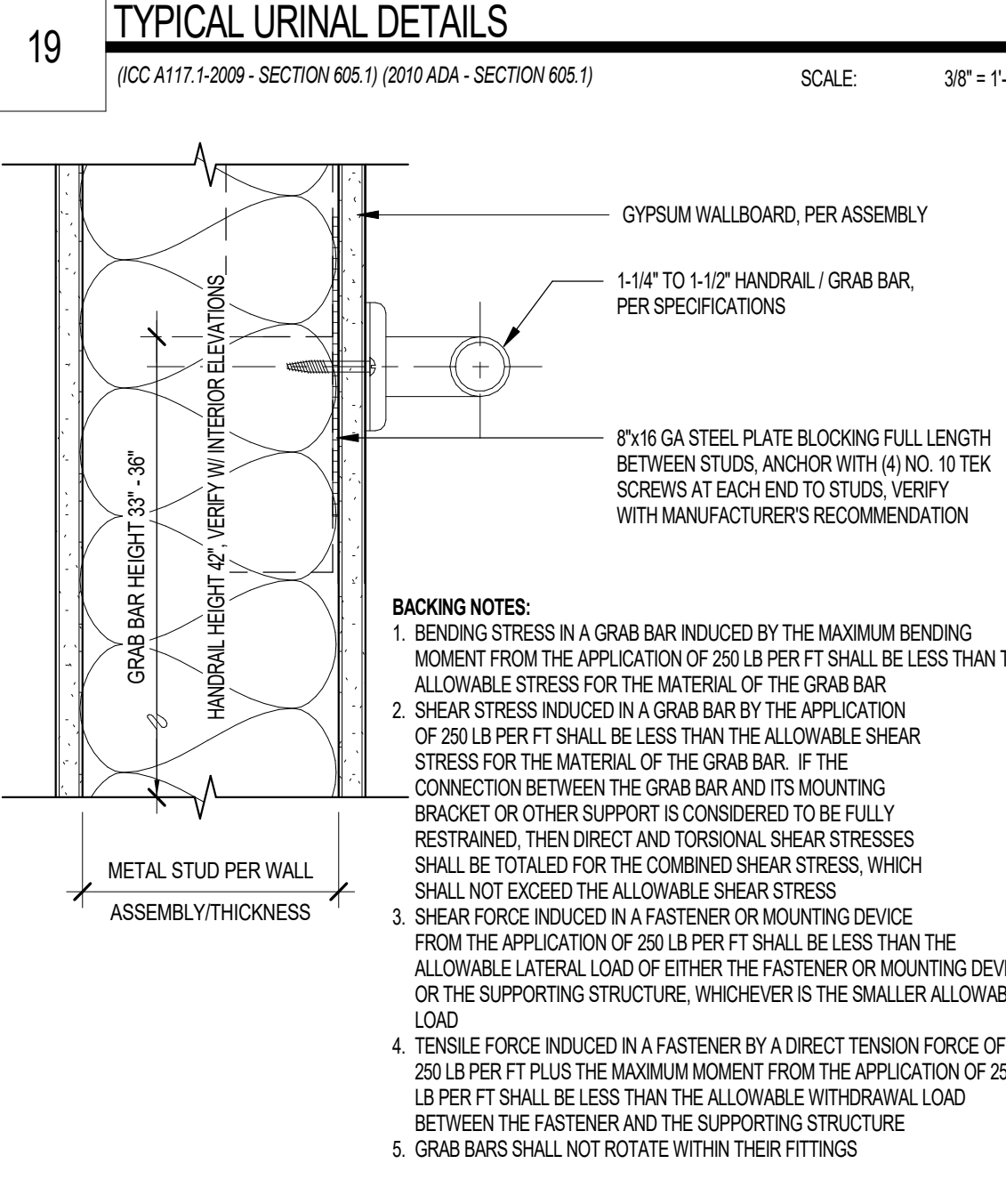
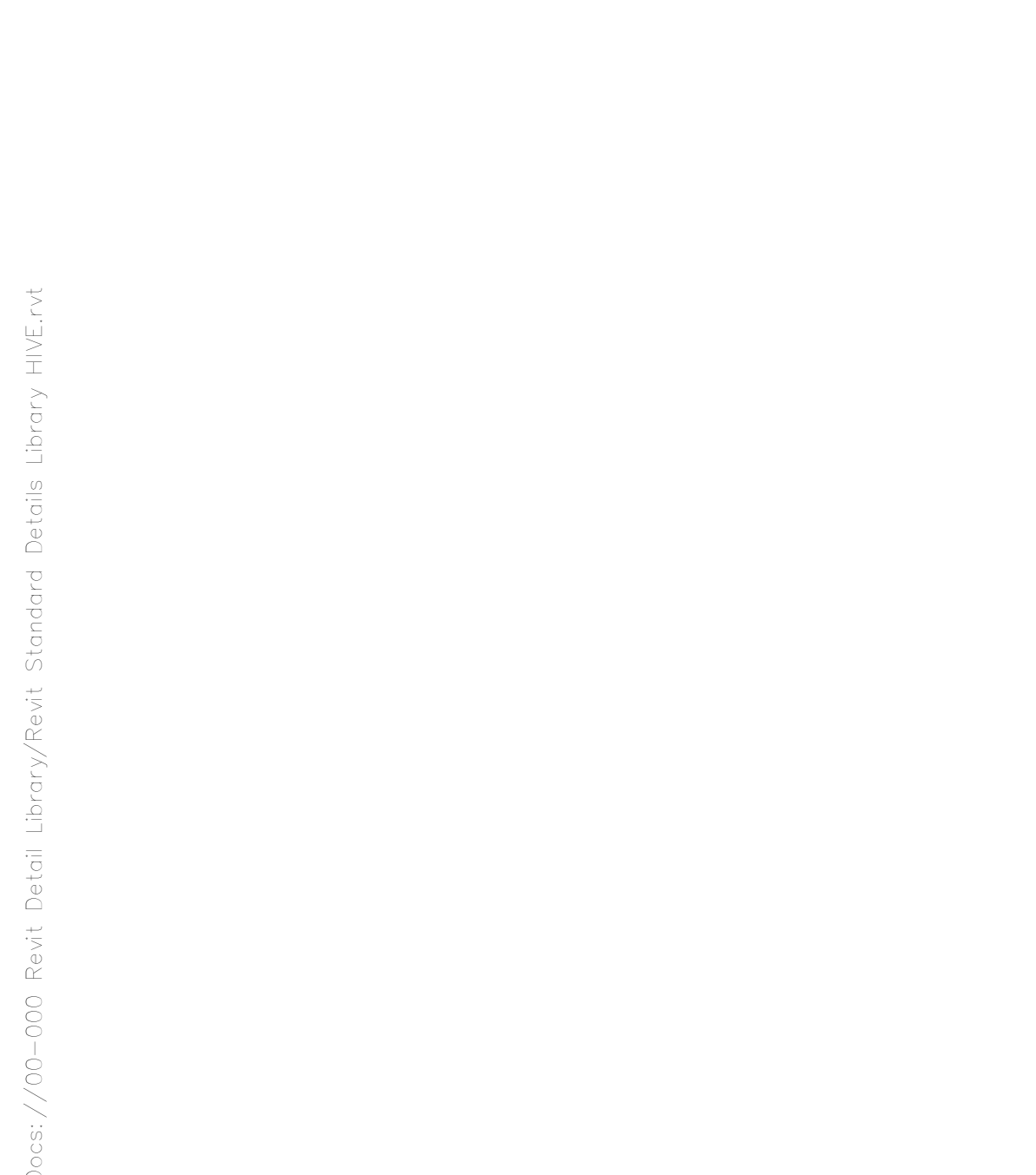
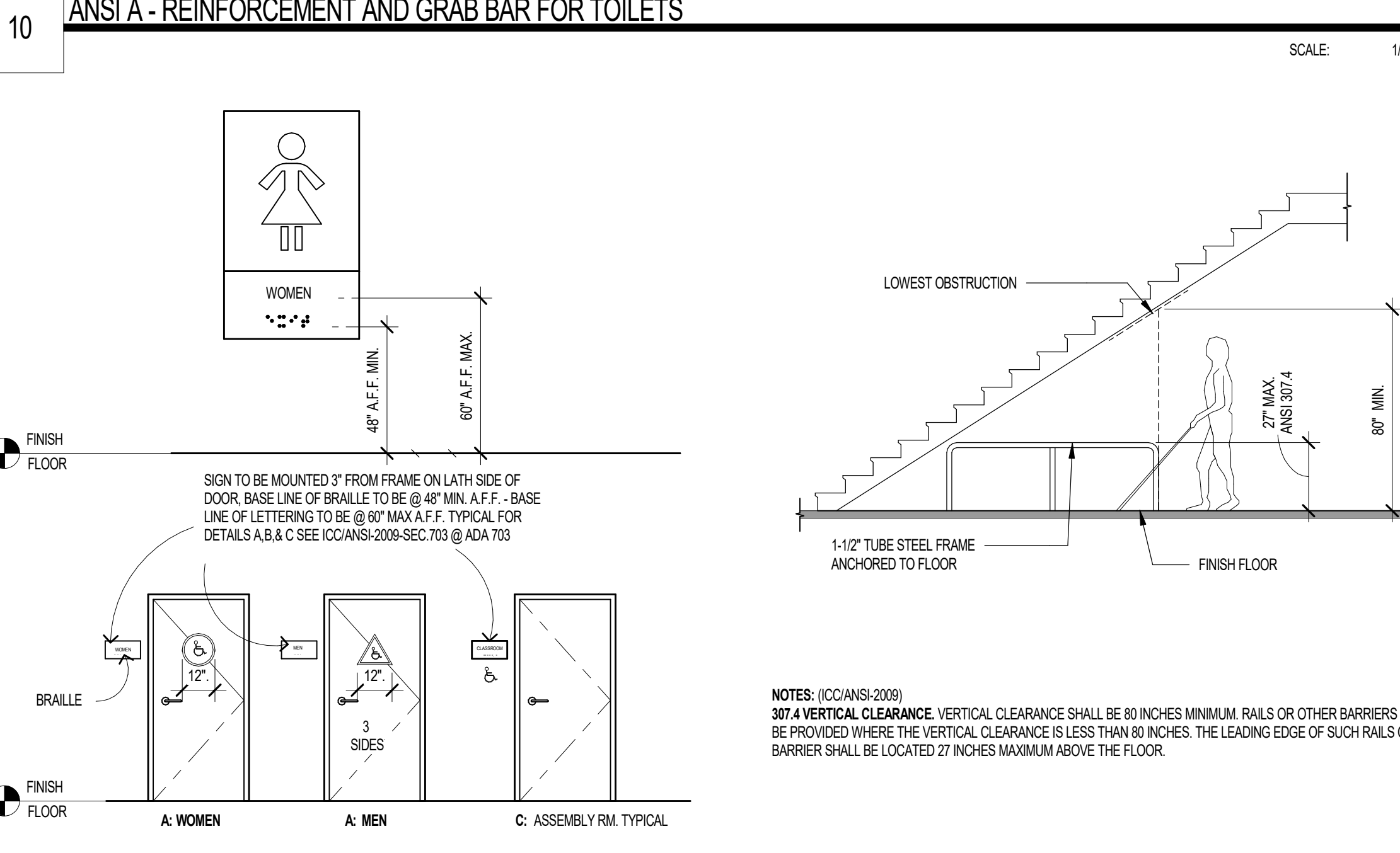
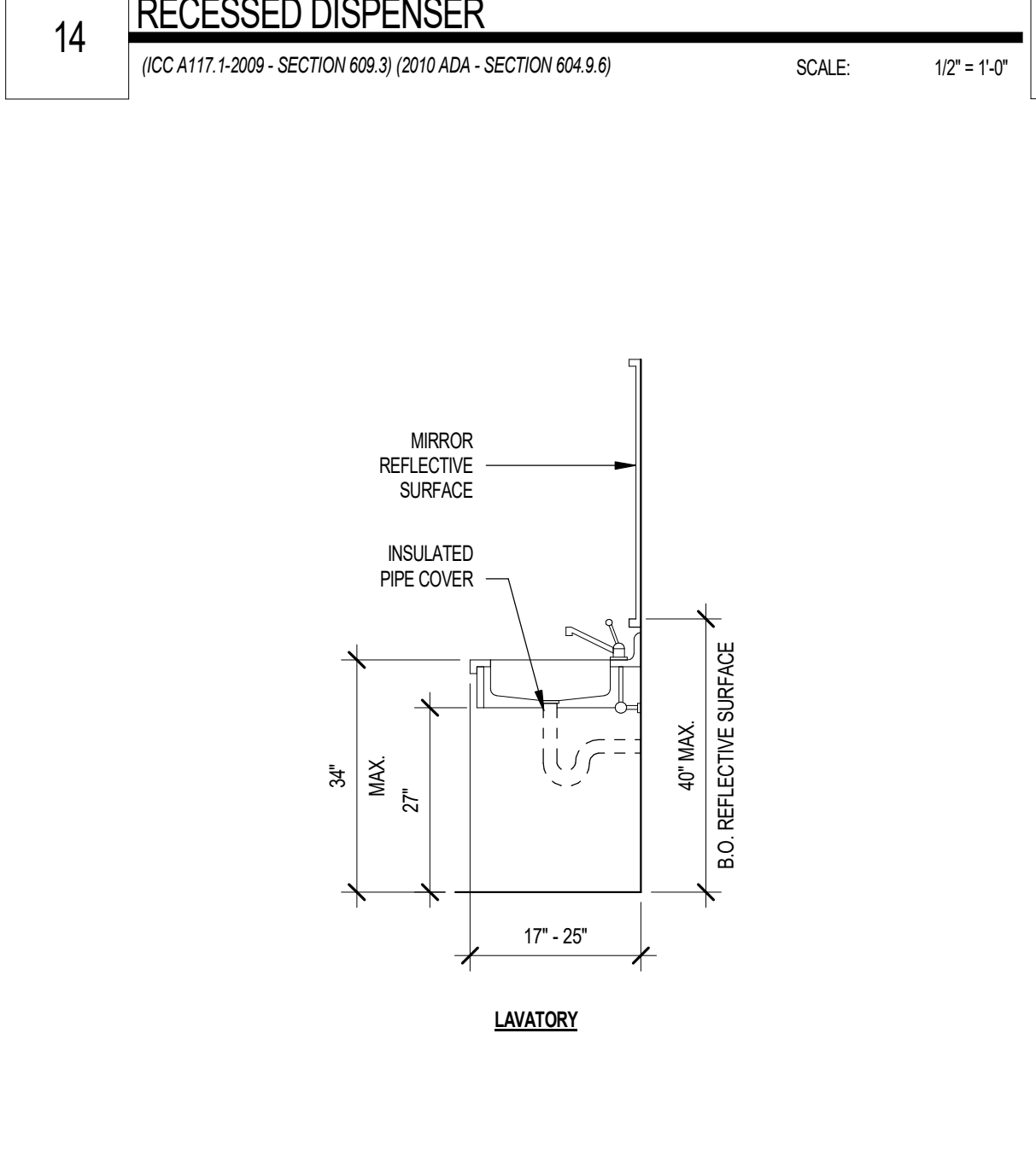
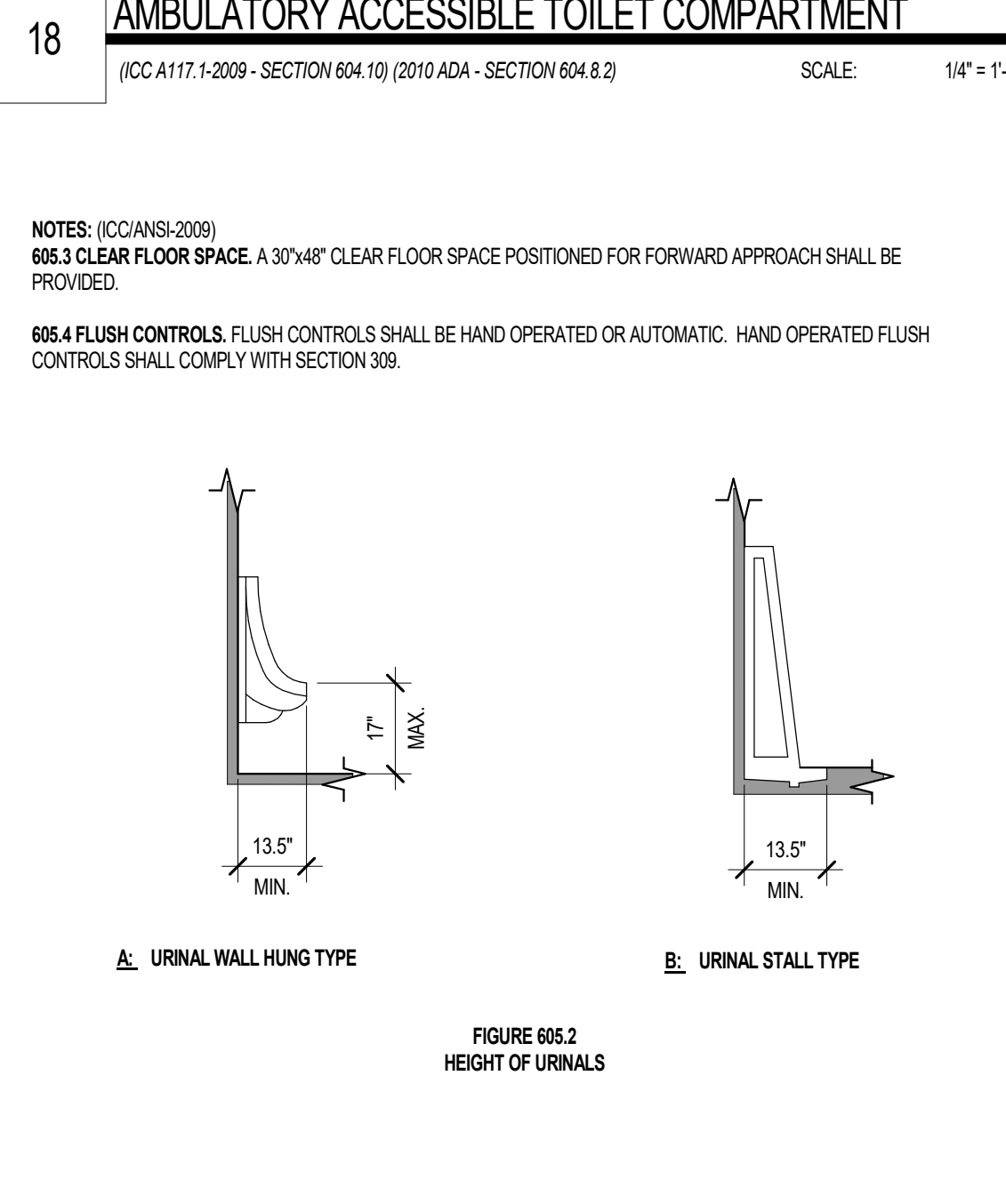
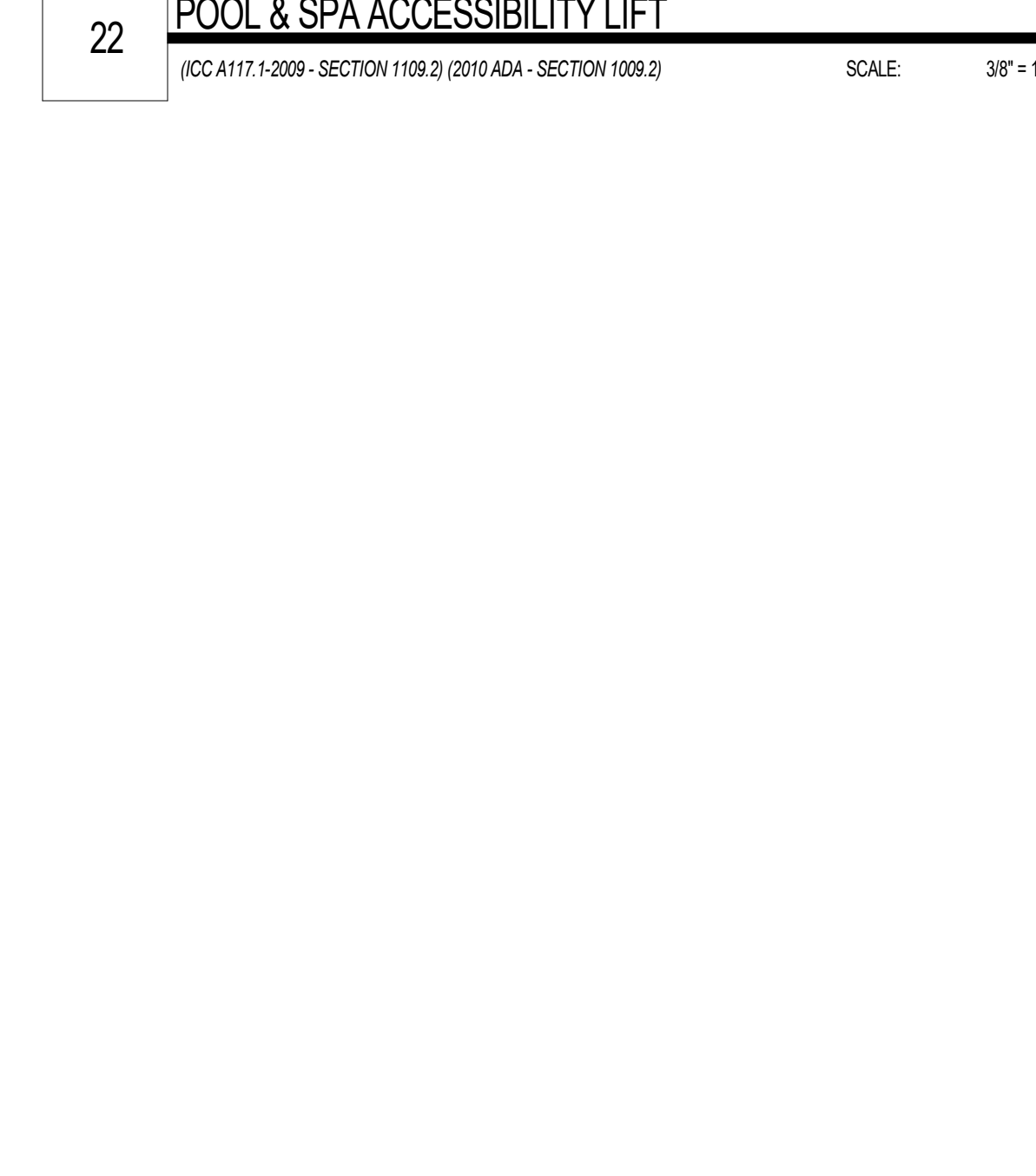
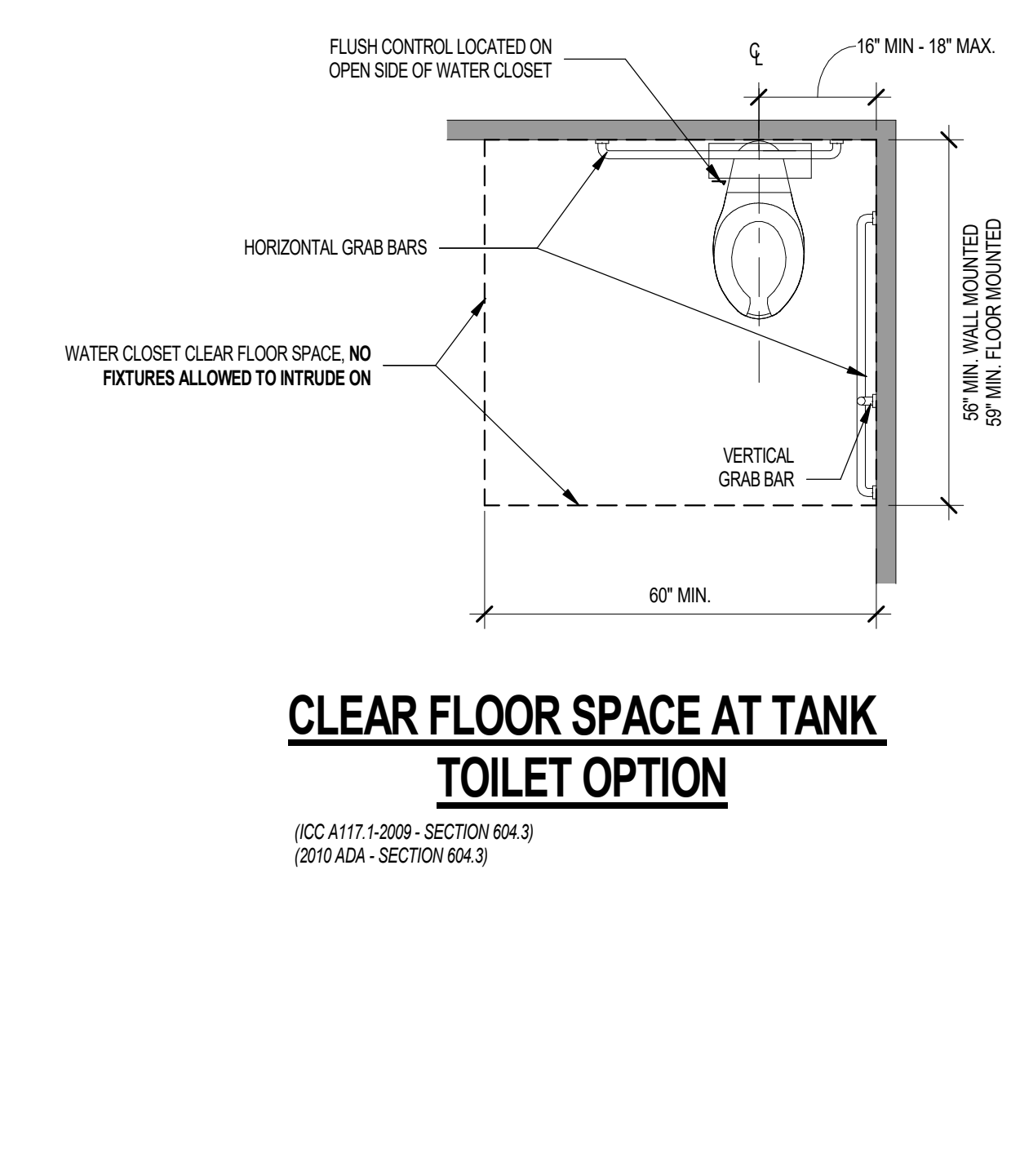
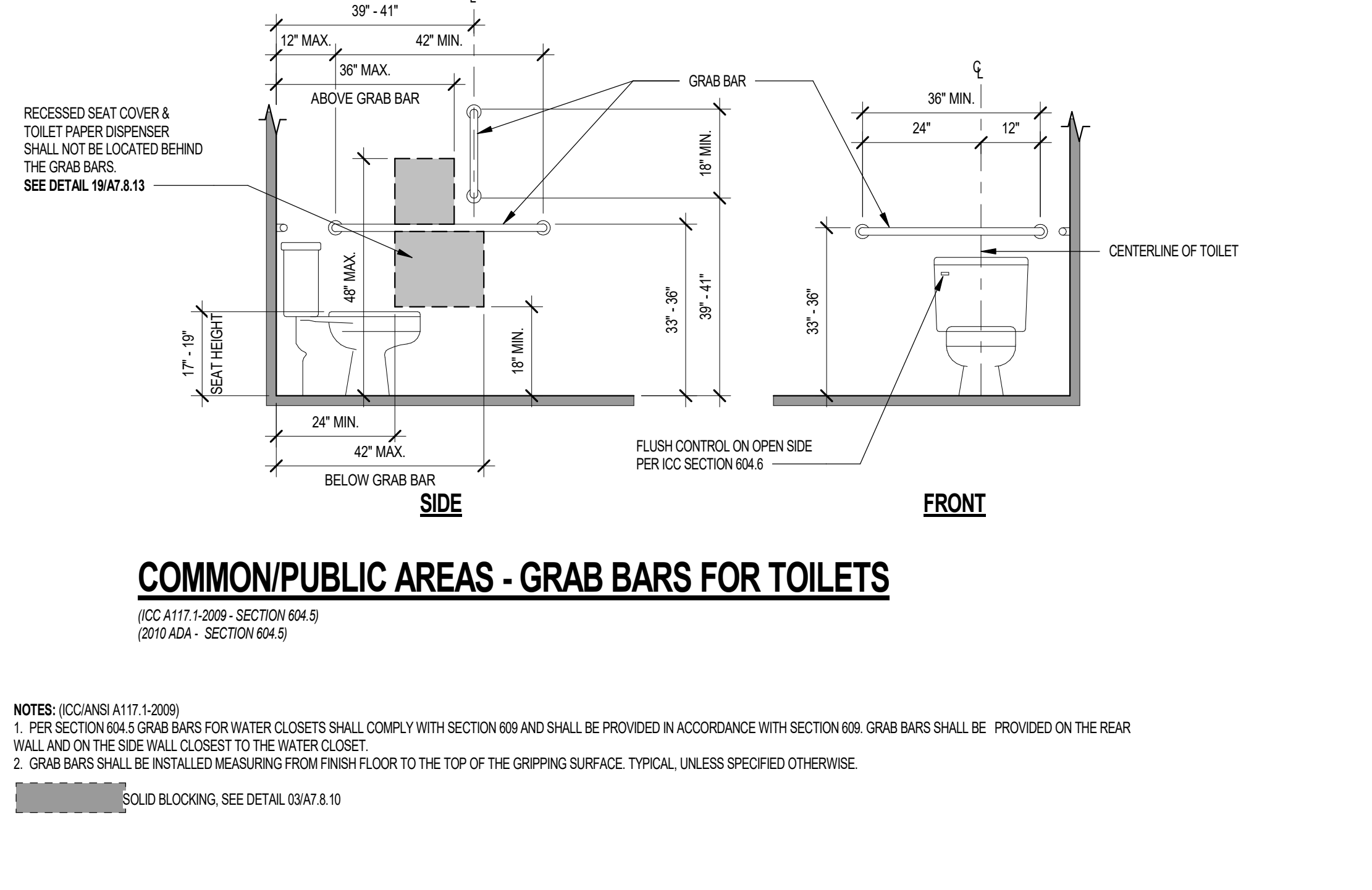
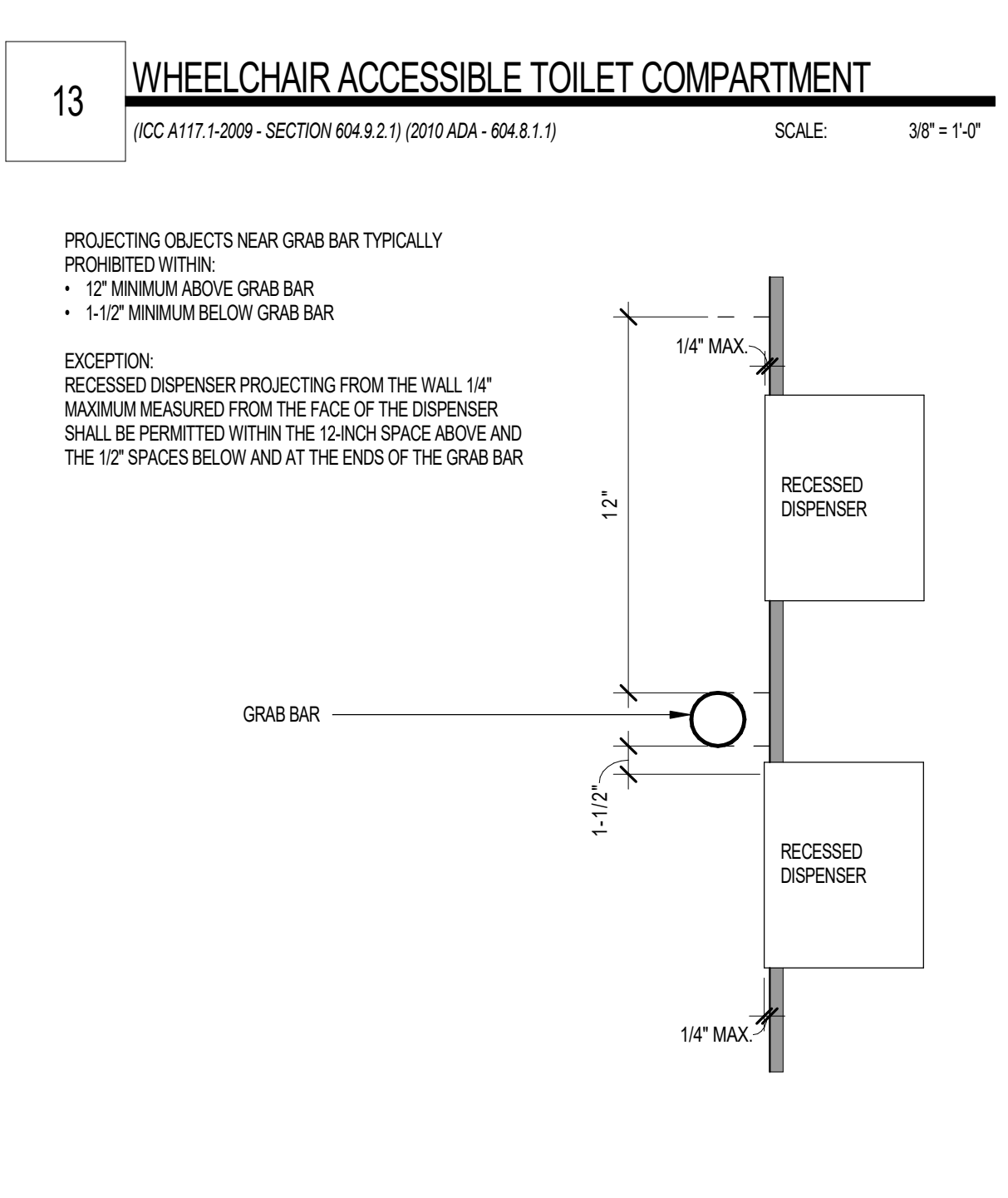
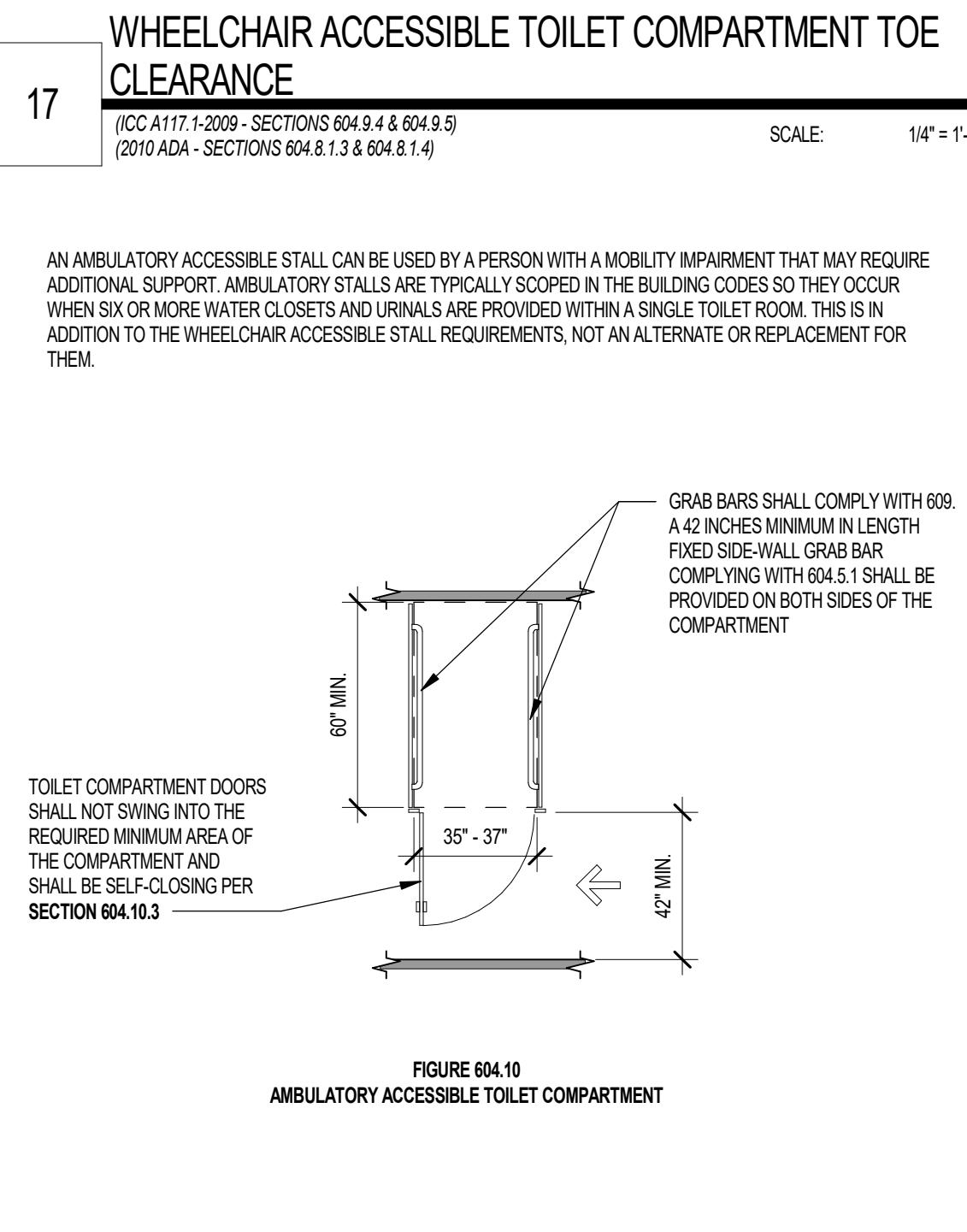
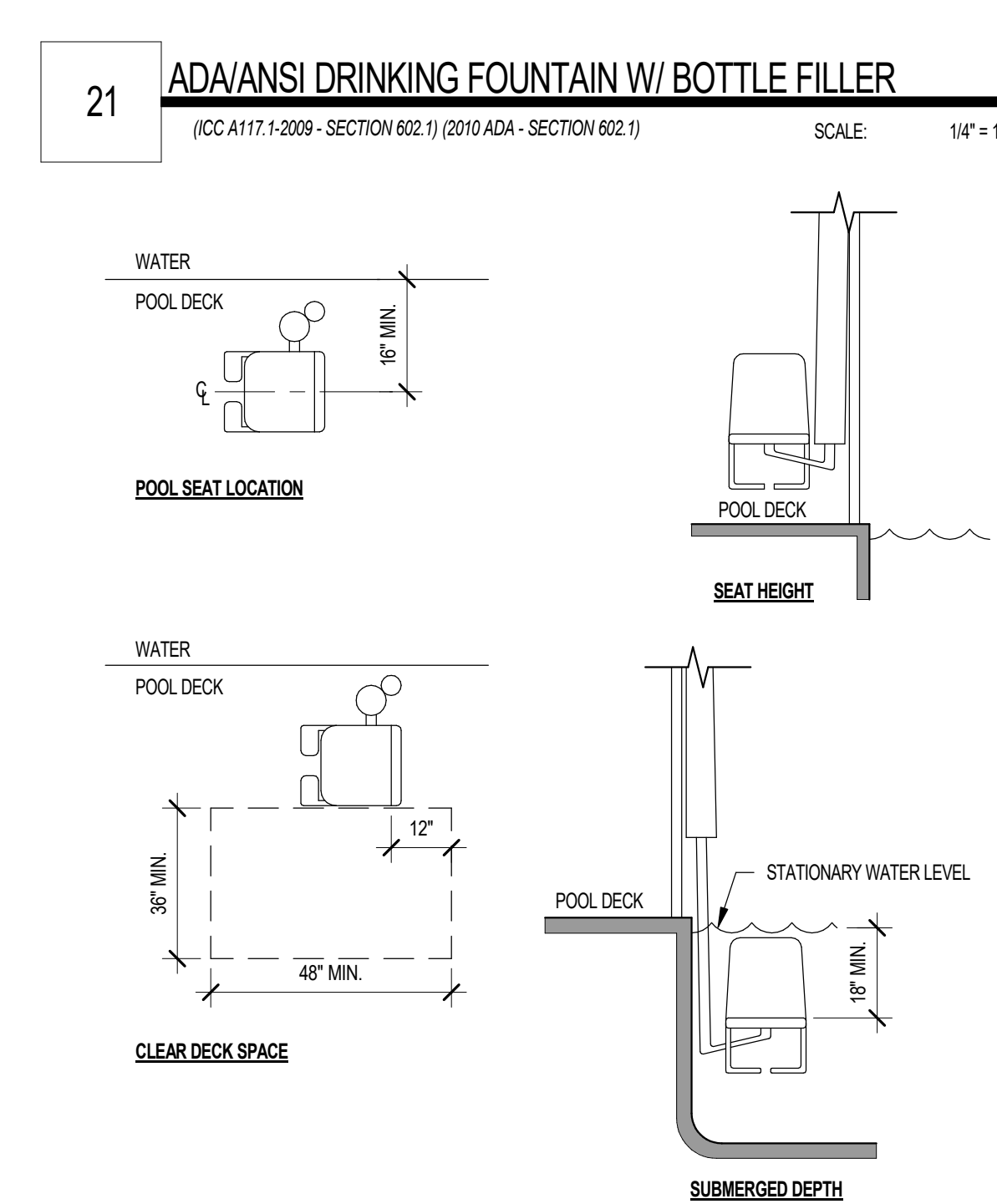
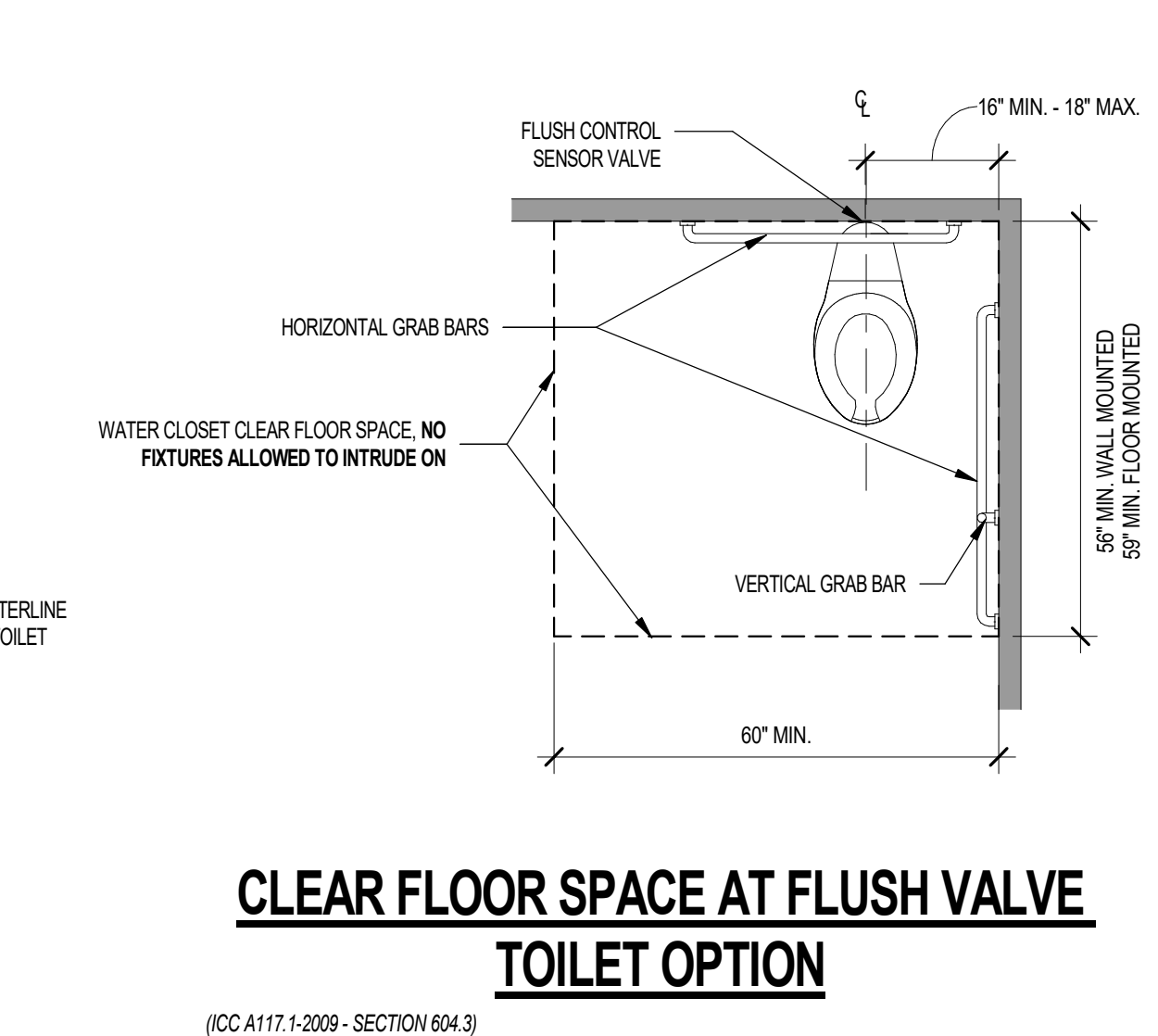
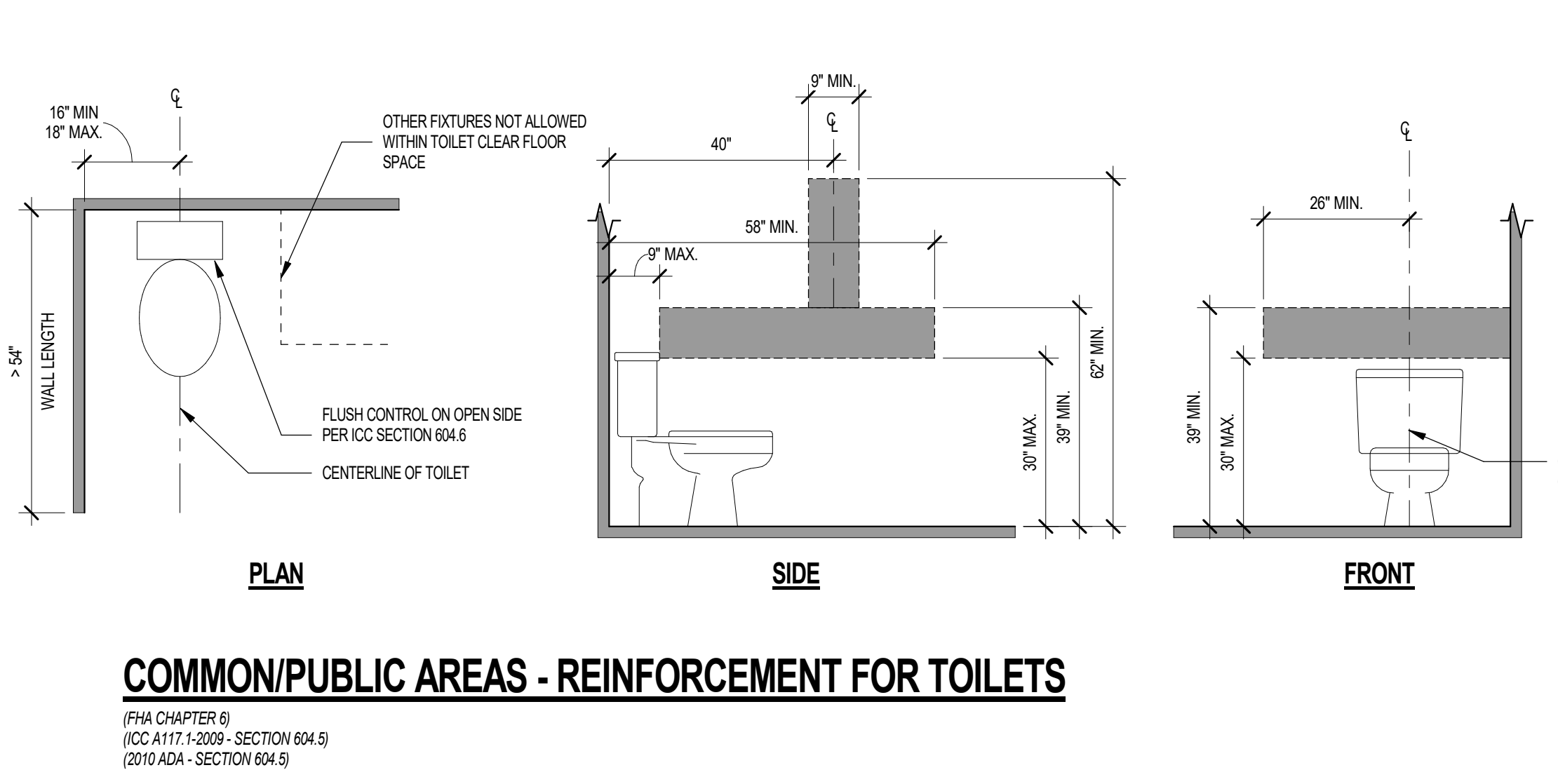
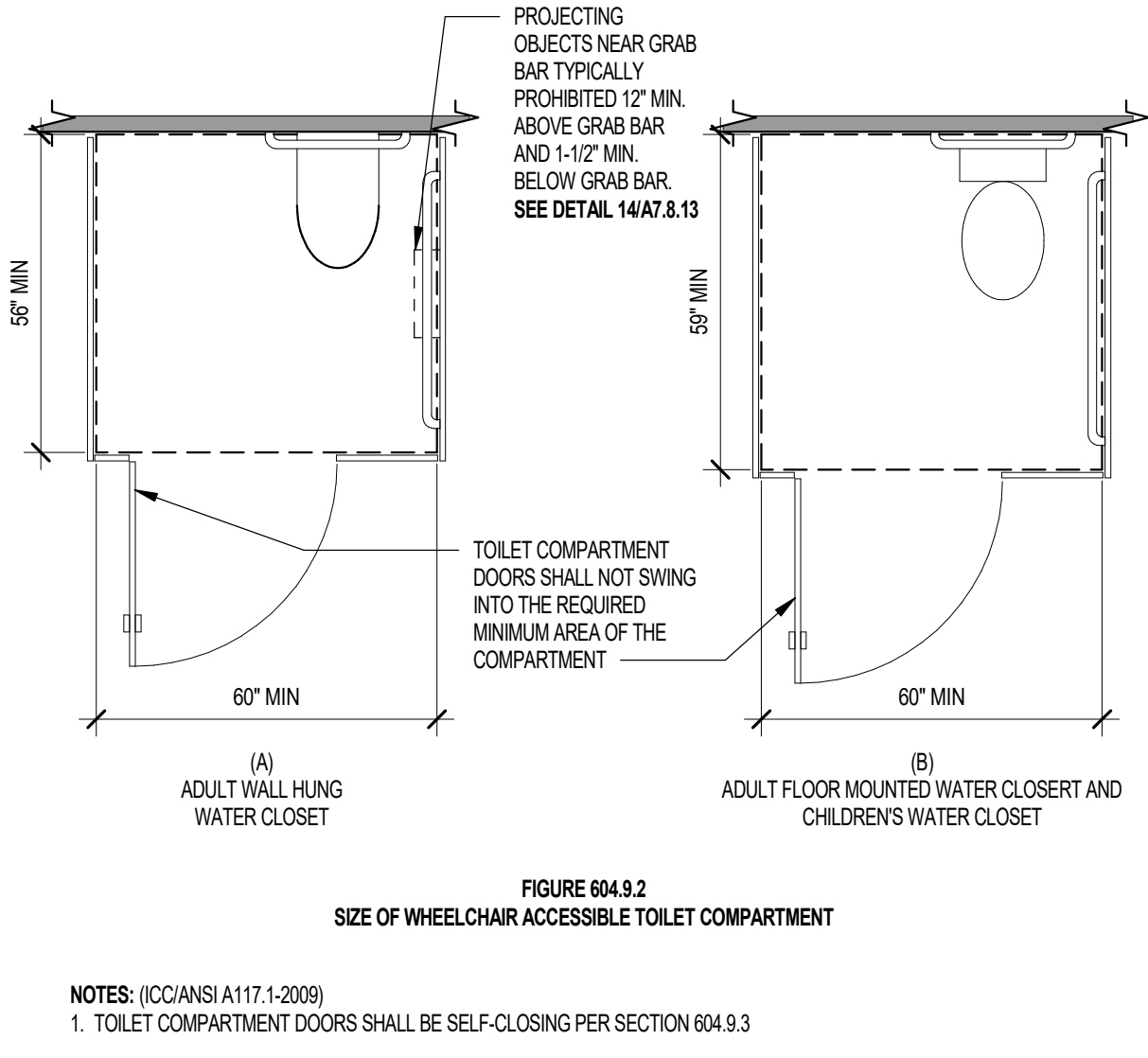
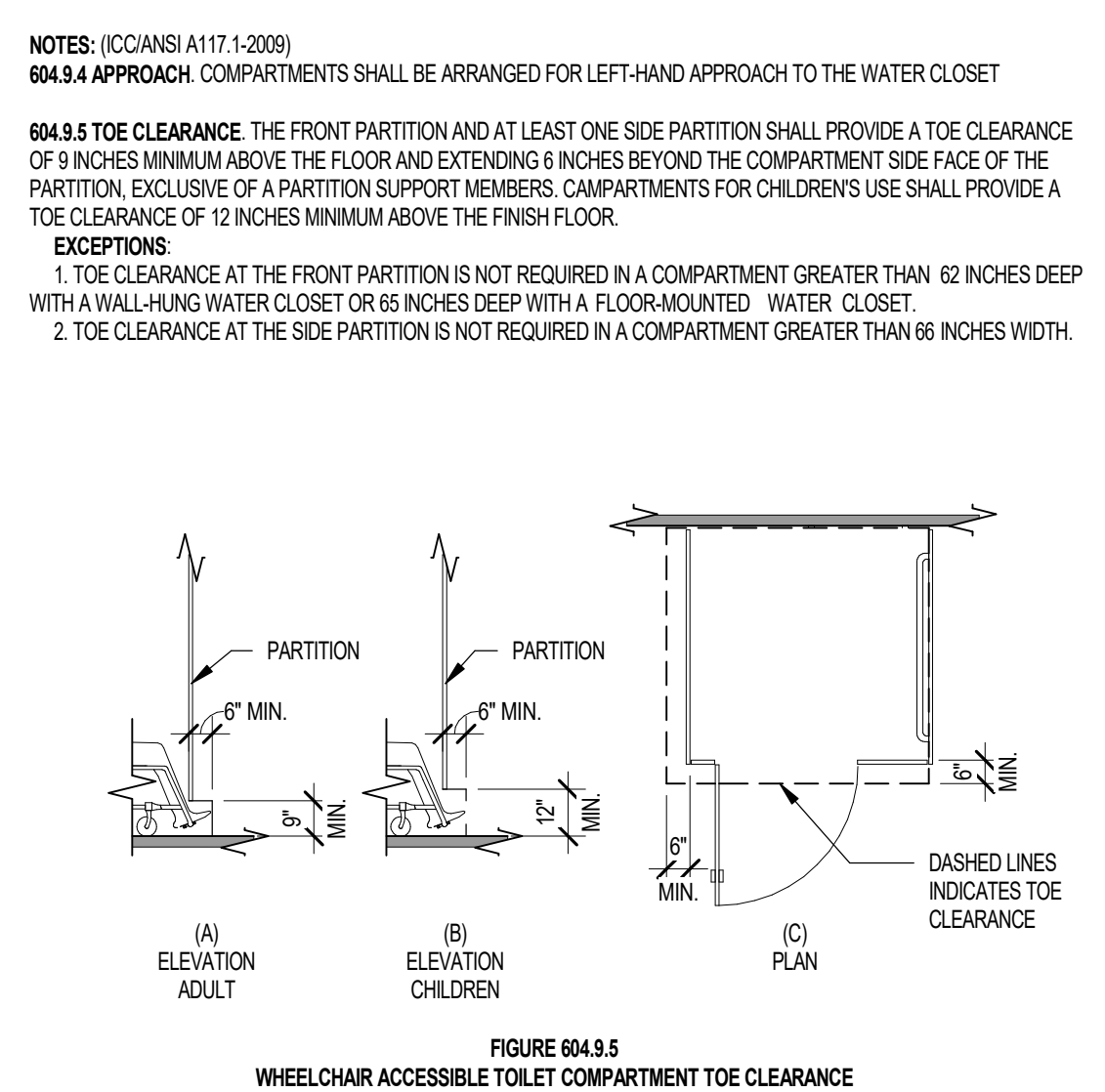
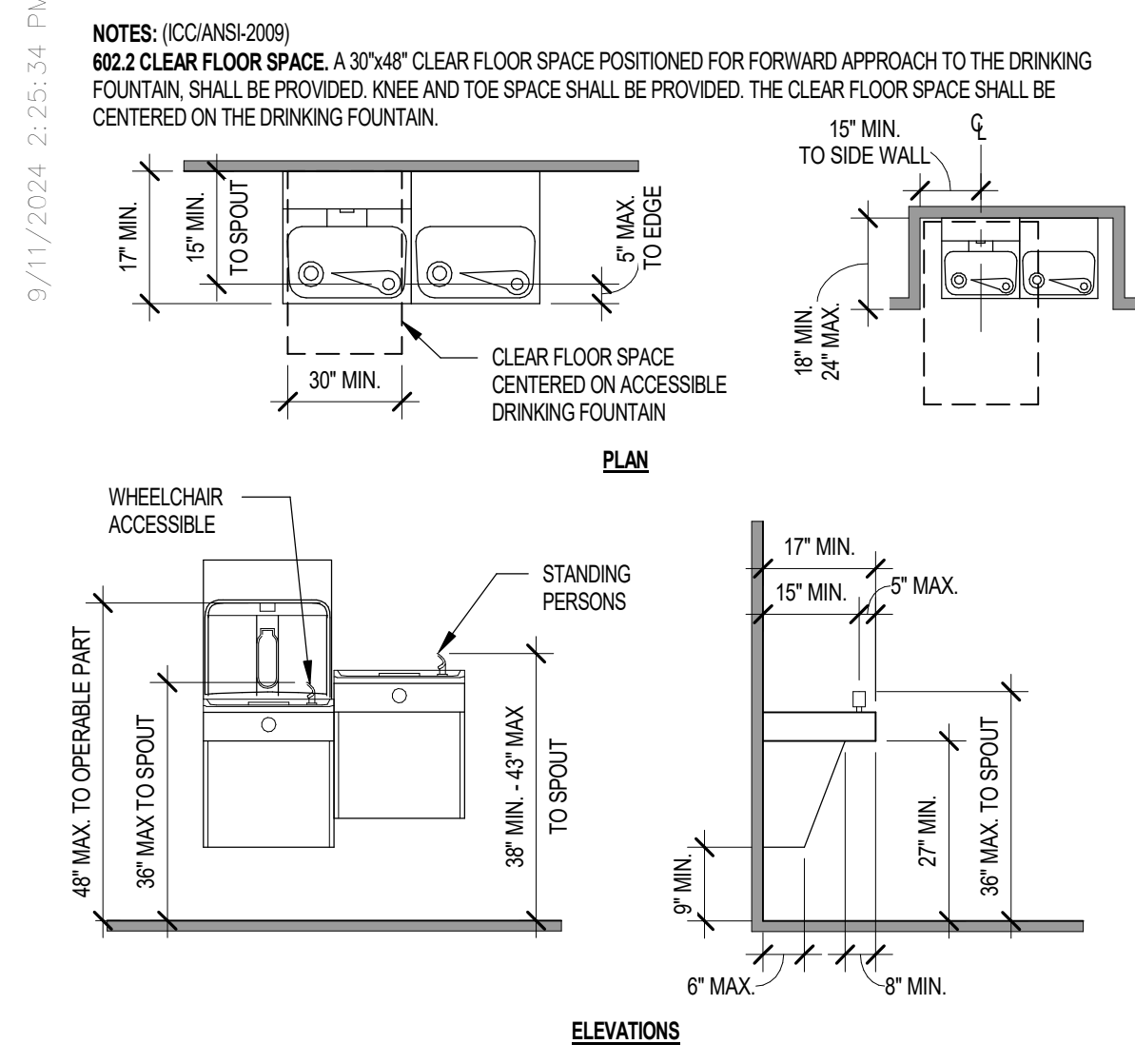
CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. The drawings and specifications shall not be used for any other project, in addition to the project in full compliance of the project by designating the proposed project as the work of the Architect.

REVISIONS/SUBMITTALS

DATE	DESCRIPTION
------	-------------



Project Name 1
Project Name 2
 Street Address
 City, State

Office of Rich Barber
ORB
 Architecture, LLC

WorldHQ@ORBArch.com

PRELIMINARY NOT FOR CONSTRUCTION

ADVANCE
 RESIDENTIAL SOCIETY
 LEGACY HOSPITALITY

Notice of alternate billing (or payment) cycle
 This contract allows the contractor to request to receive the amount of change or additional billing cycle after the first payment. This contract shall also require the contractor to provide an alternate schedule after certification and approval of billing and contract. A written decision of whether the alternate billing cycle applies to the project is available from the owner or the contractor's design consultant.

CLIENT NAME
 CLIENT ADDRESS
 CLERK/PHONE NUMBER
 and the owner or the designated agent shall provide the written decision on request.

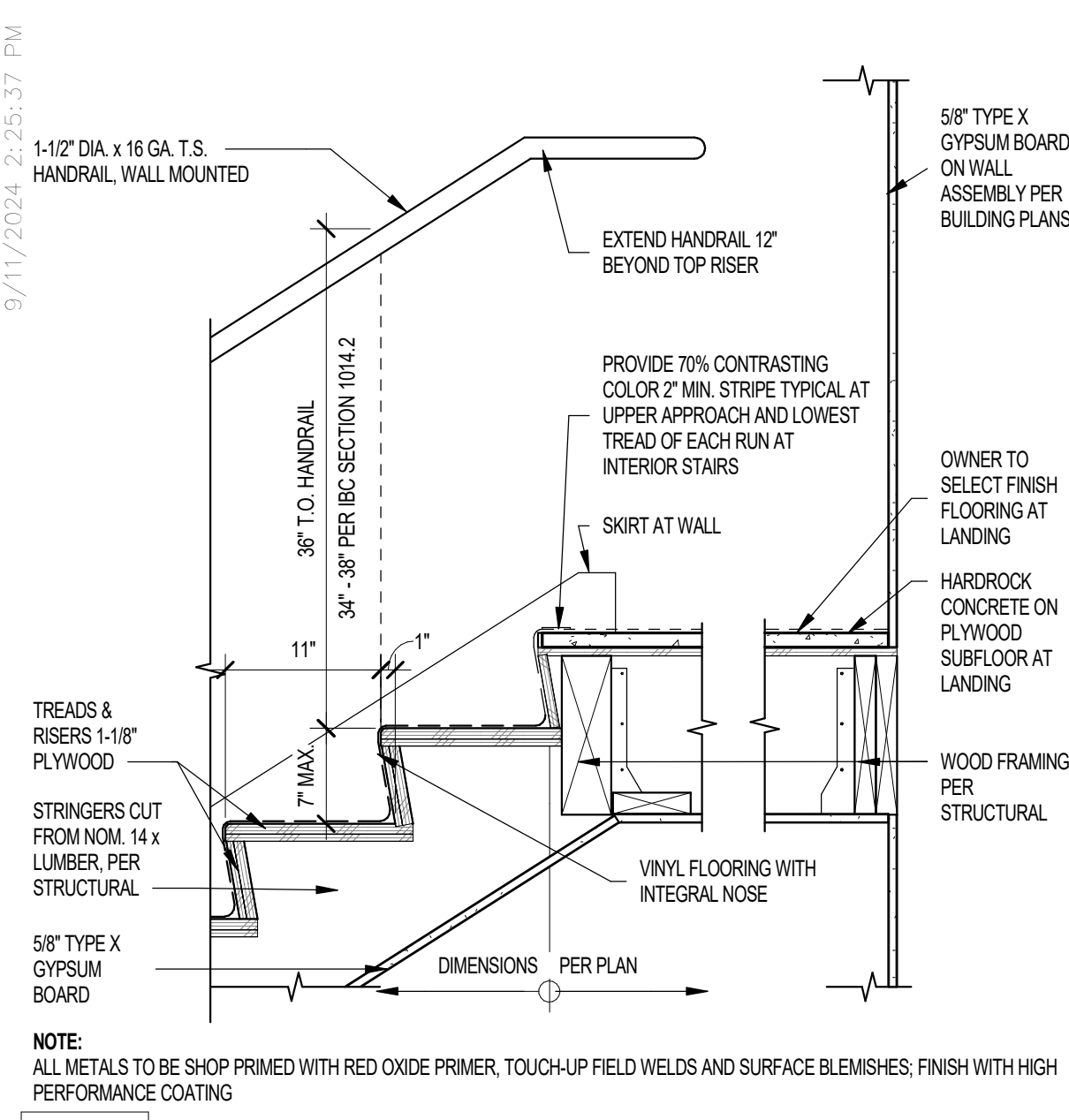
Contractor must verify all dimensions of project before proceeding with this work.

REVISIONS/SUBMITTALS

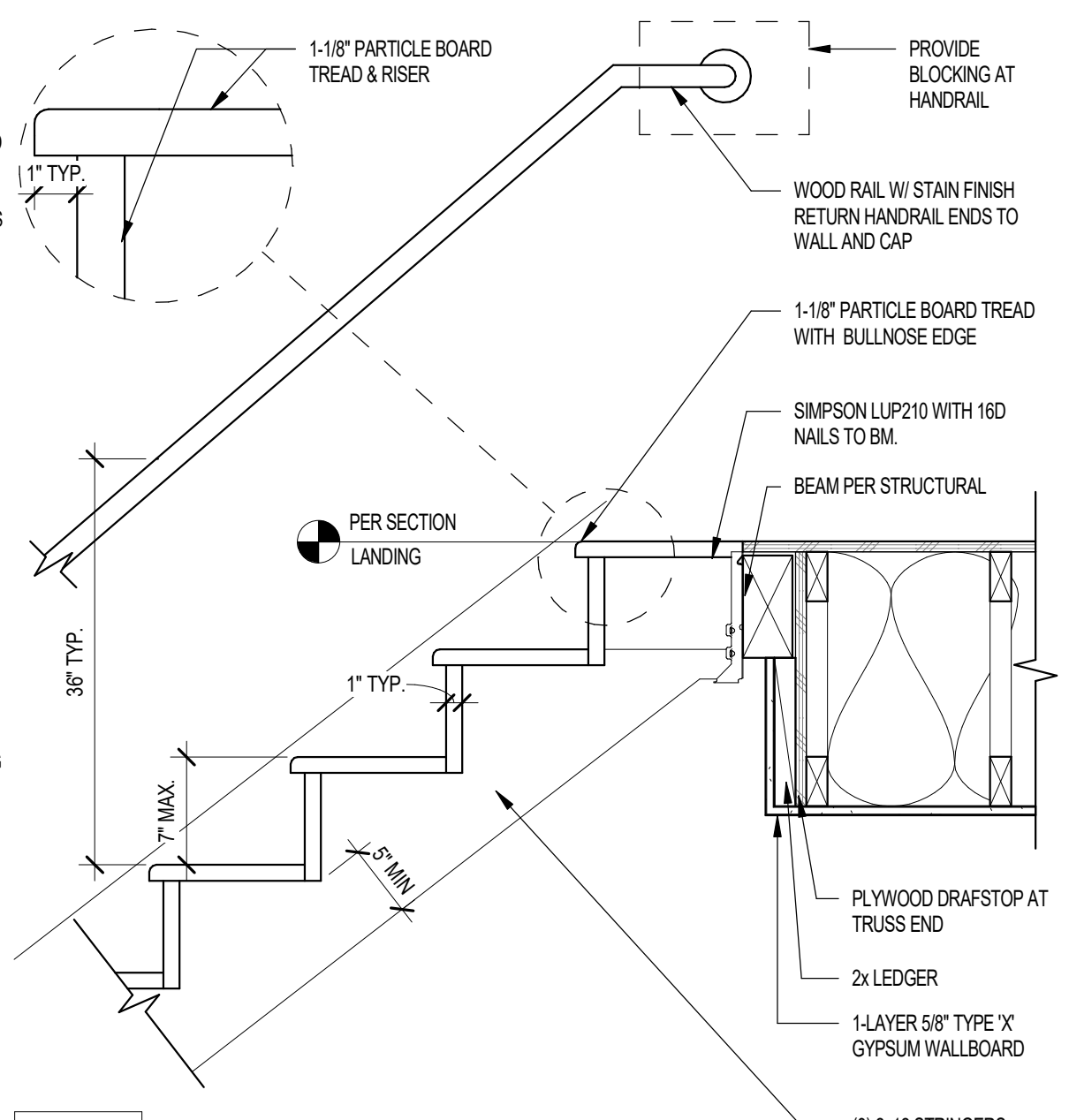
DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

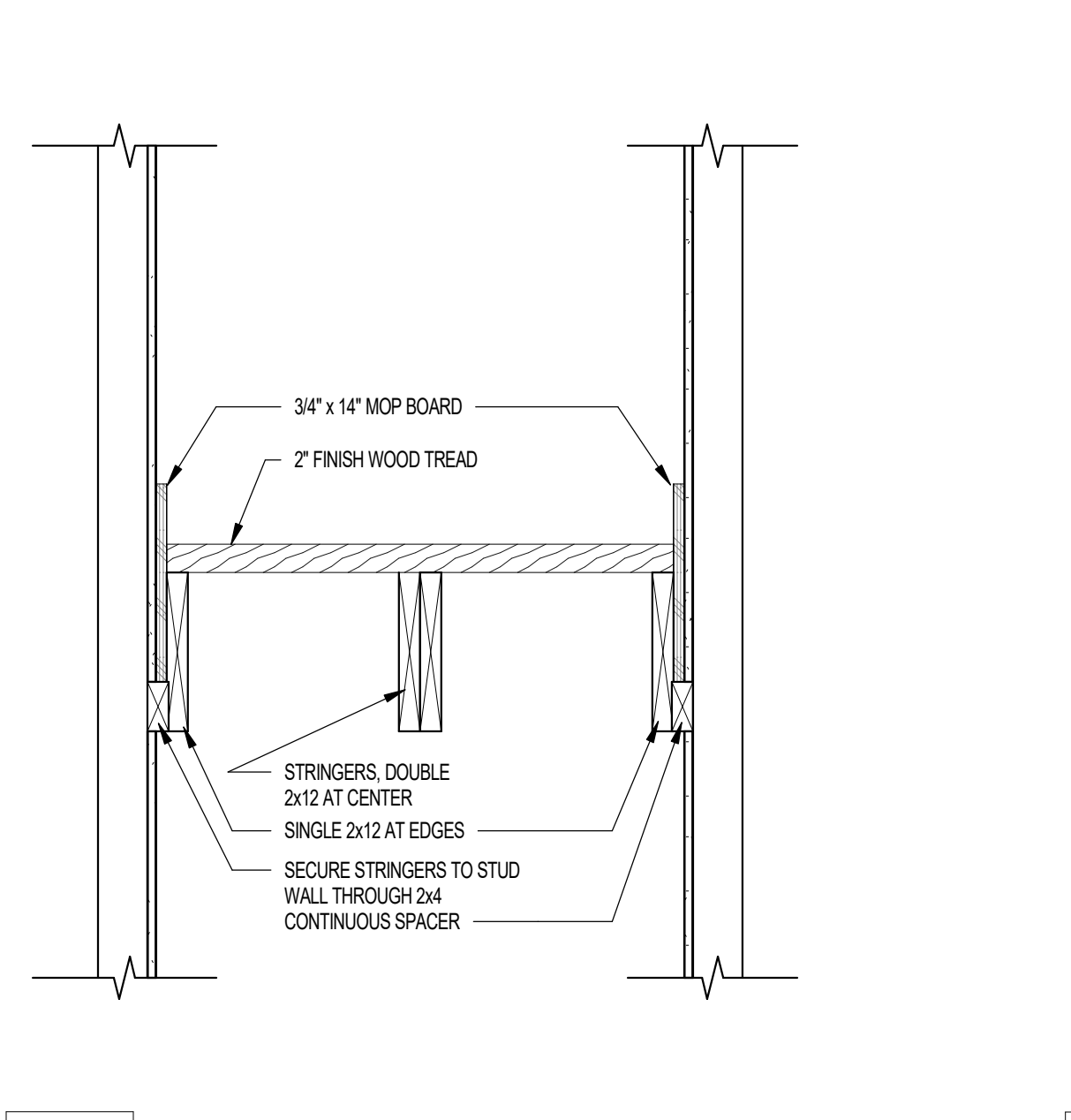
A7.8.13
 ACCESSIBILITY DETAILS - COMMONS



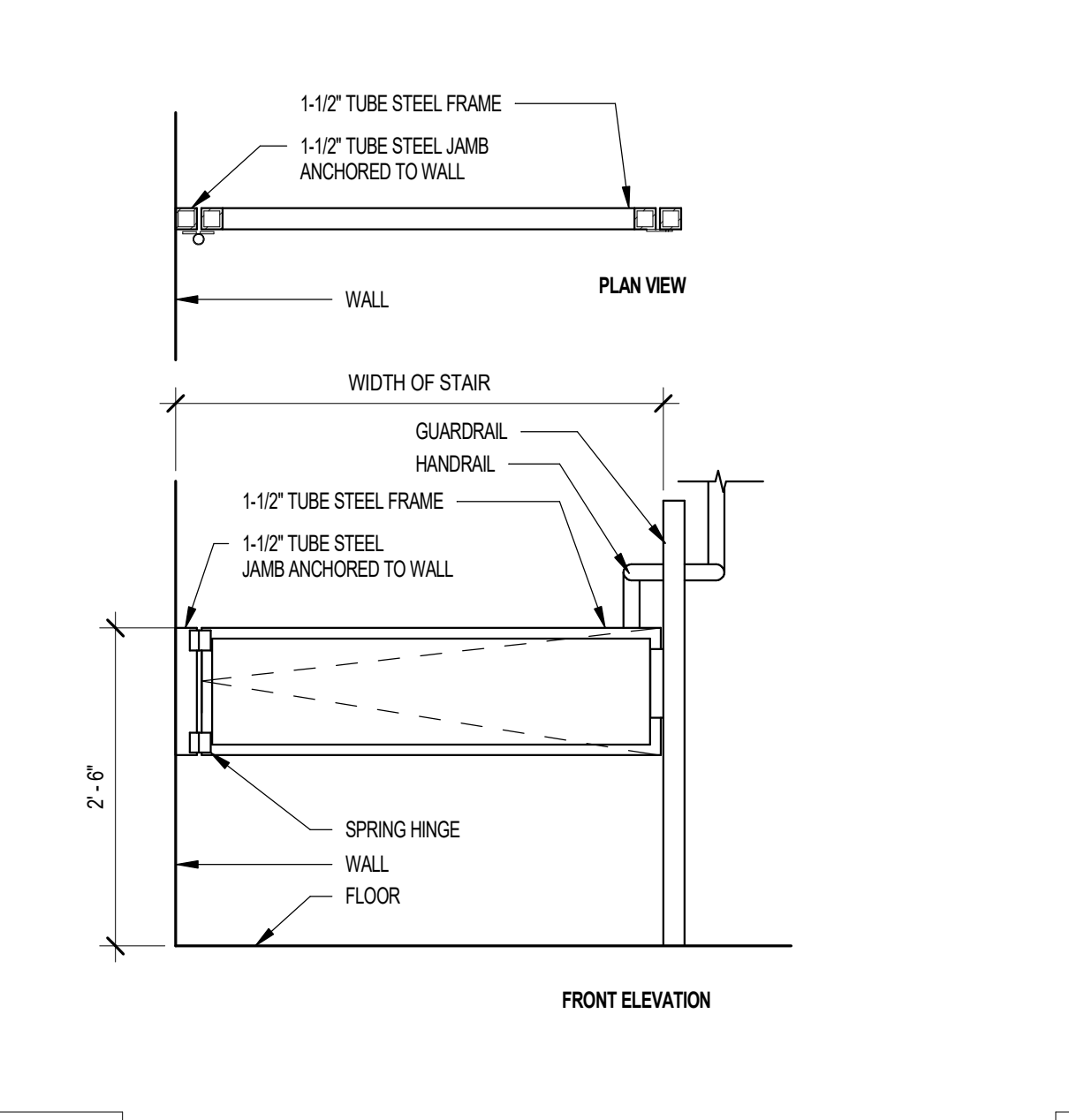
21 WOOD STAIR AT TOP SCALE: 1" = 1'-0"



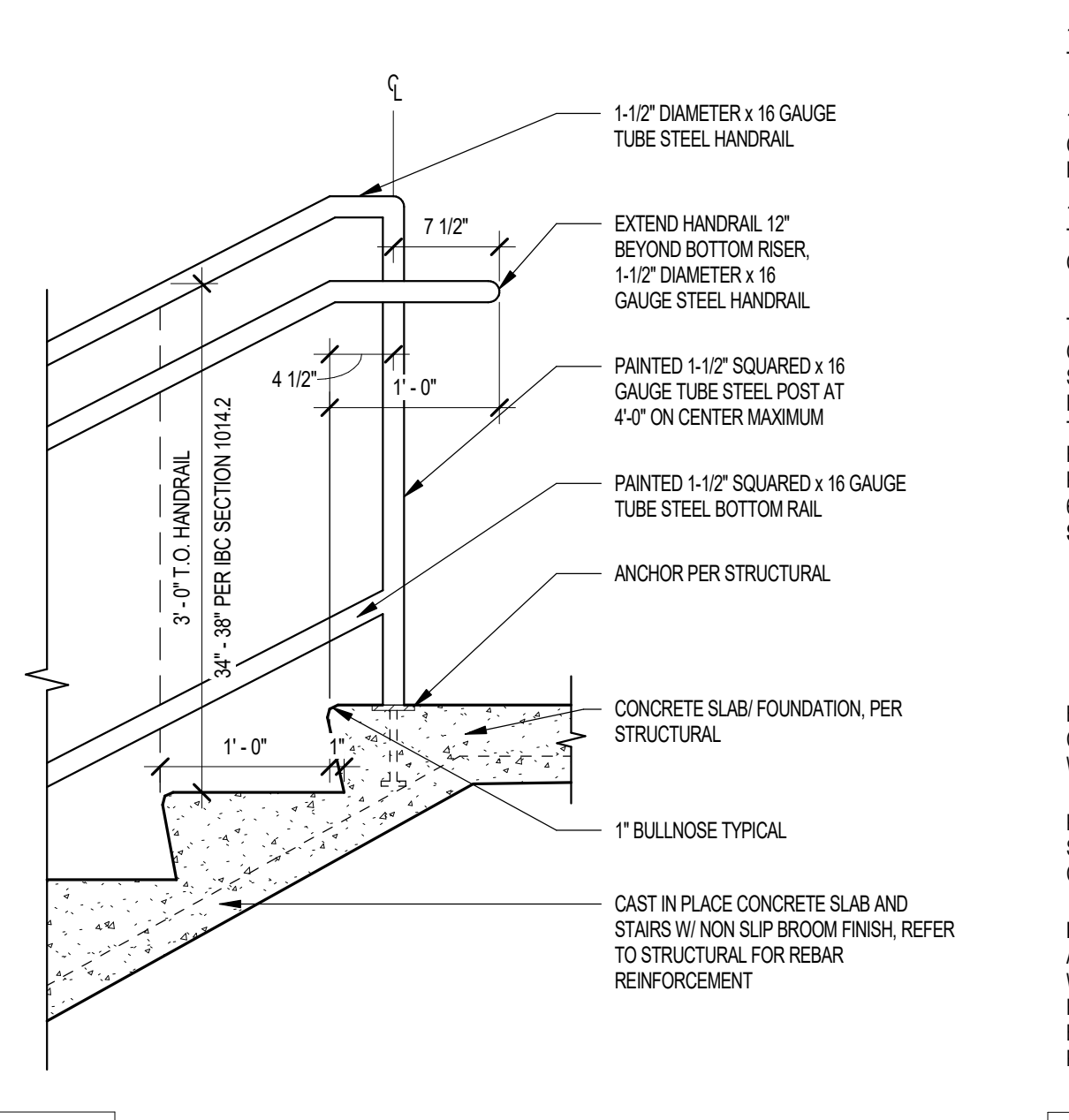
17 LANDING AT WOOD STAIR - TOP SCALE: 1" = 1'-0"



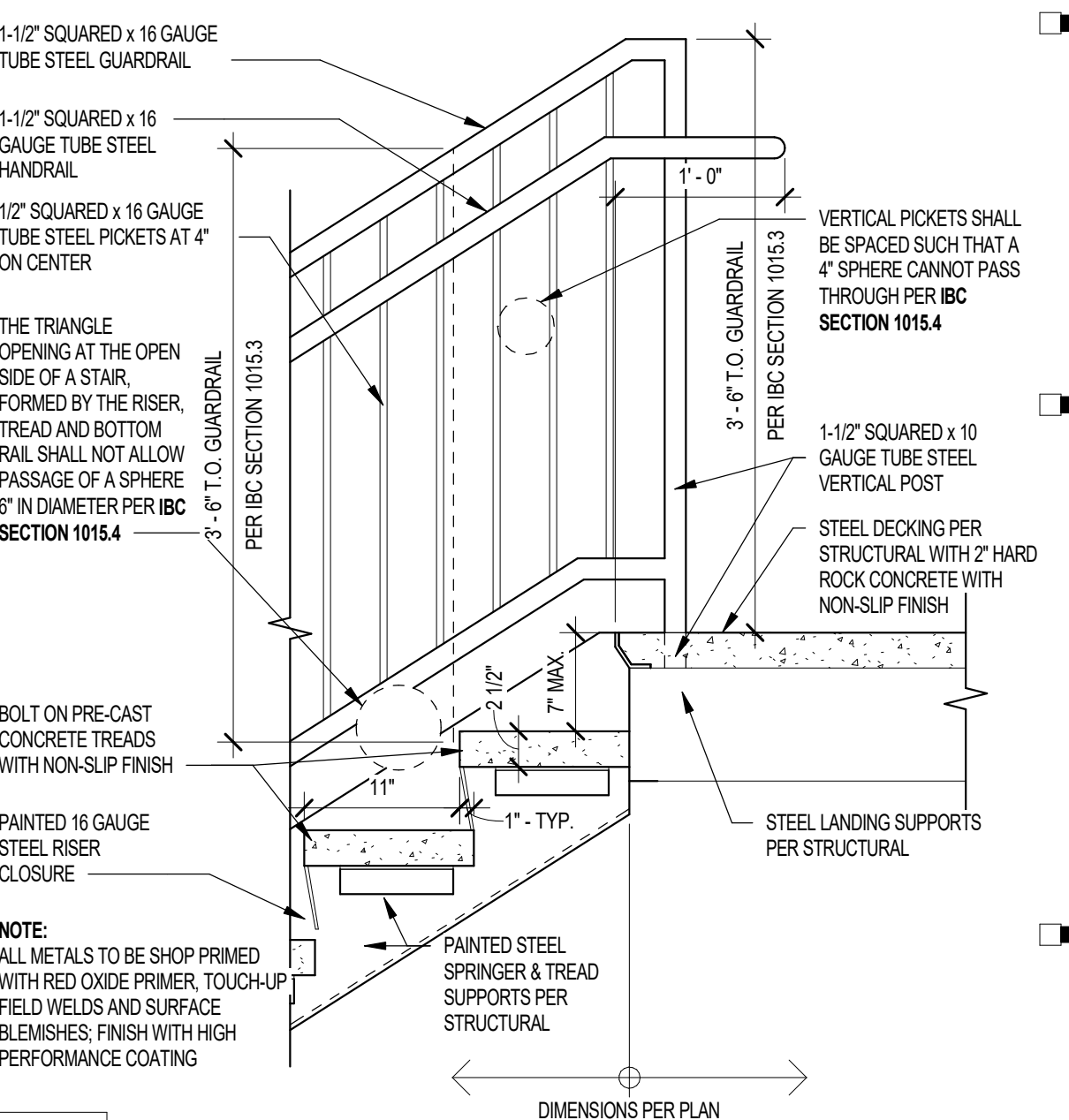
13 WOOD STAIR CROSS SECTION SCALE: 1" = 1'-0"



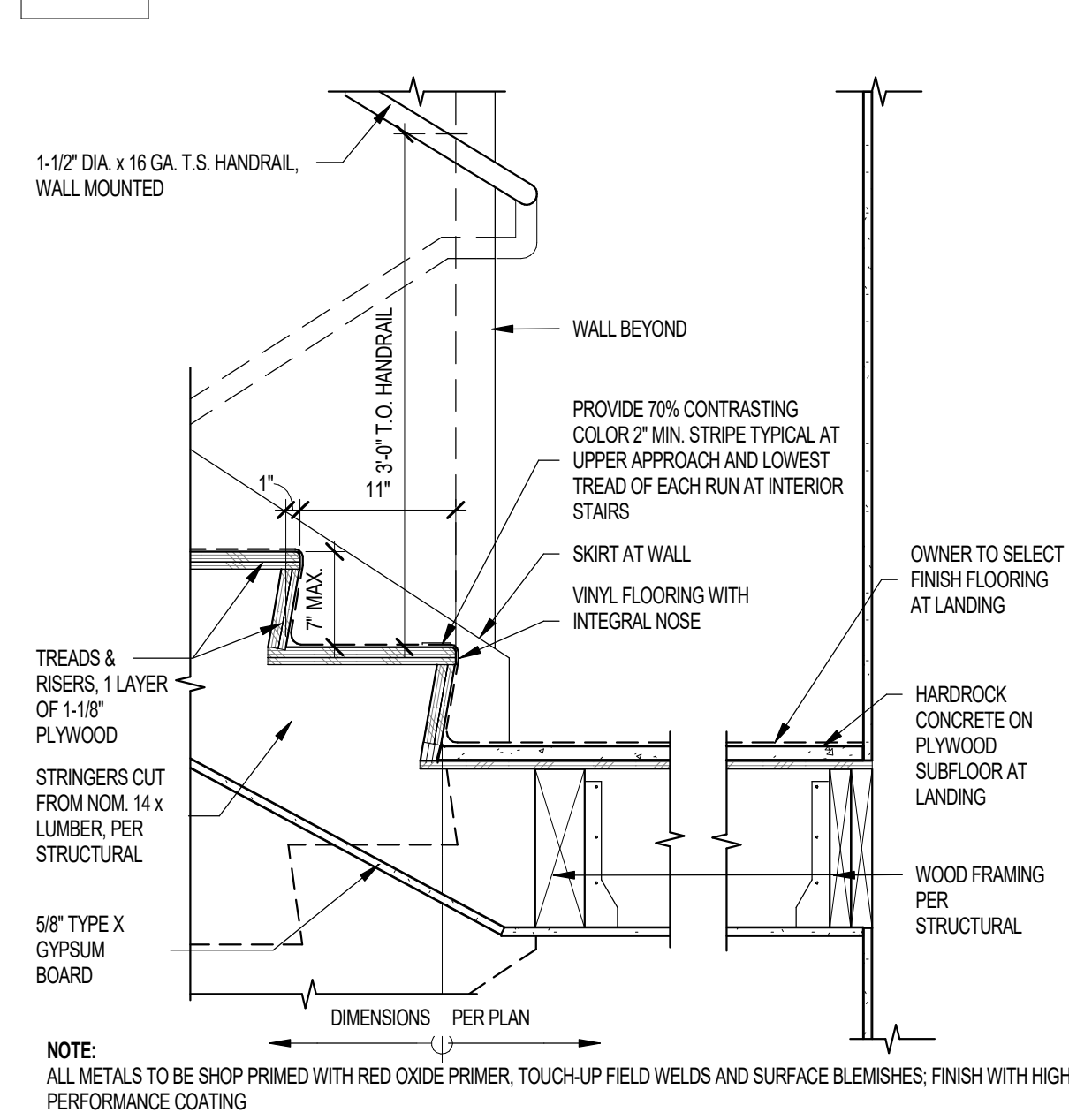
09 BARRIER GATE SCALE: 3/4" = 1'-0"



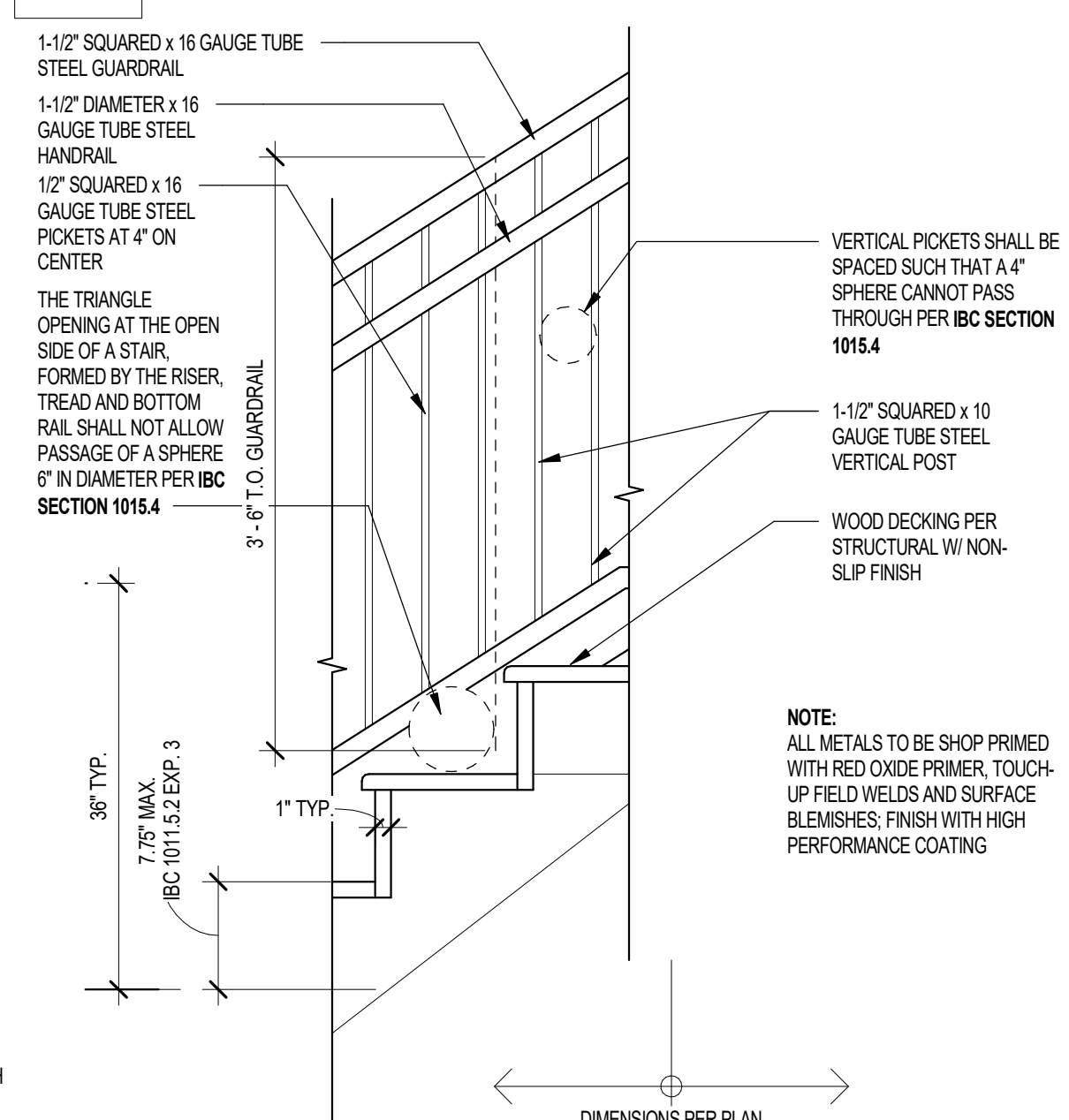
05 LANDING @ CONCRETE STAIR - TOP SCALE: 1" = 1'-0"



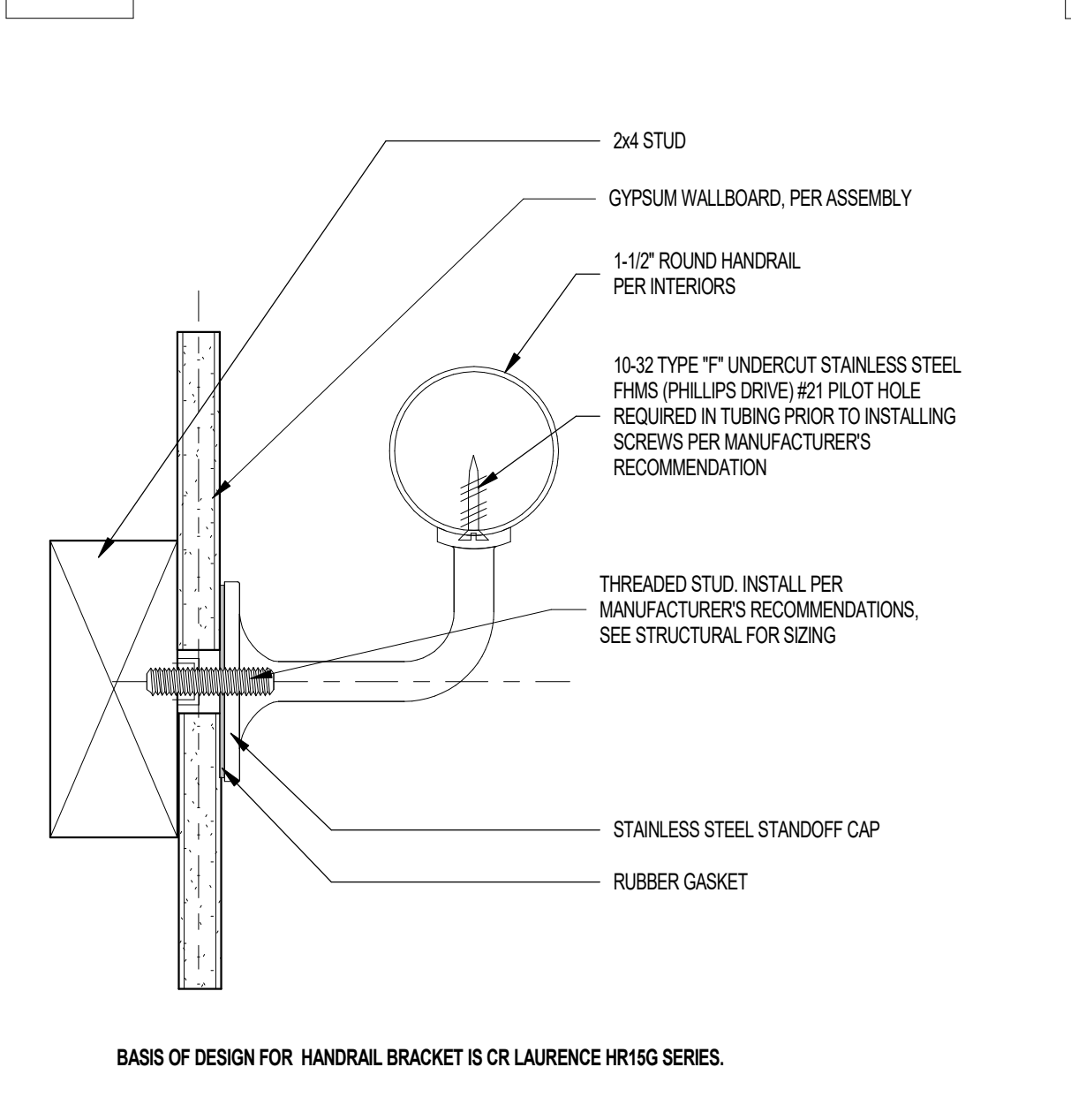
01 LANDING AT STEEL STAIR - TOP SCALE: 1" = 1'-0"



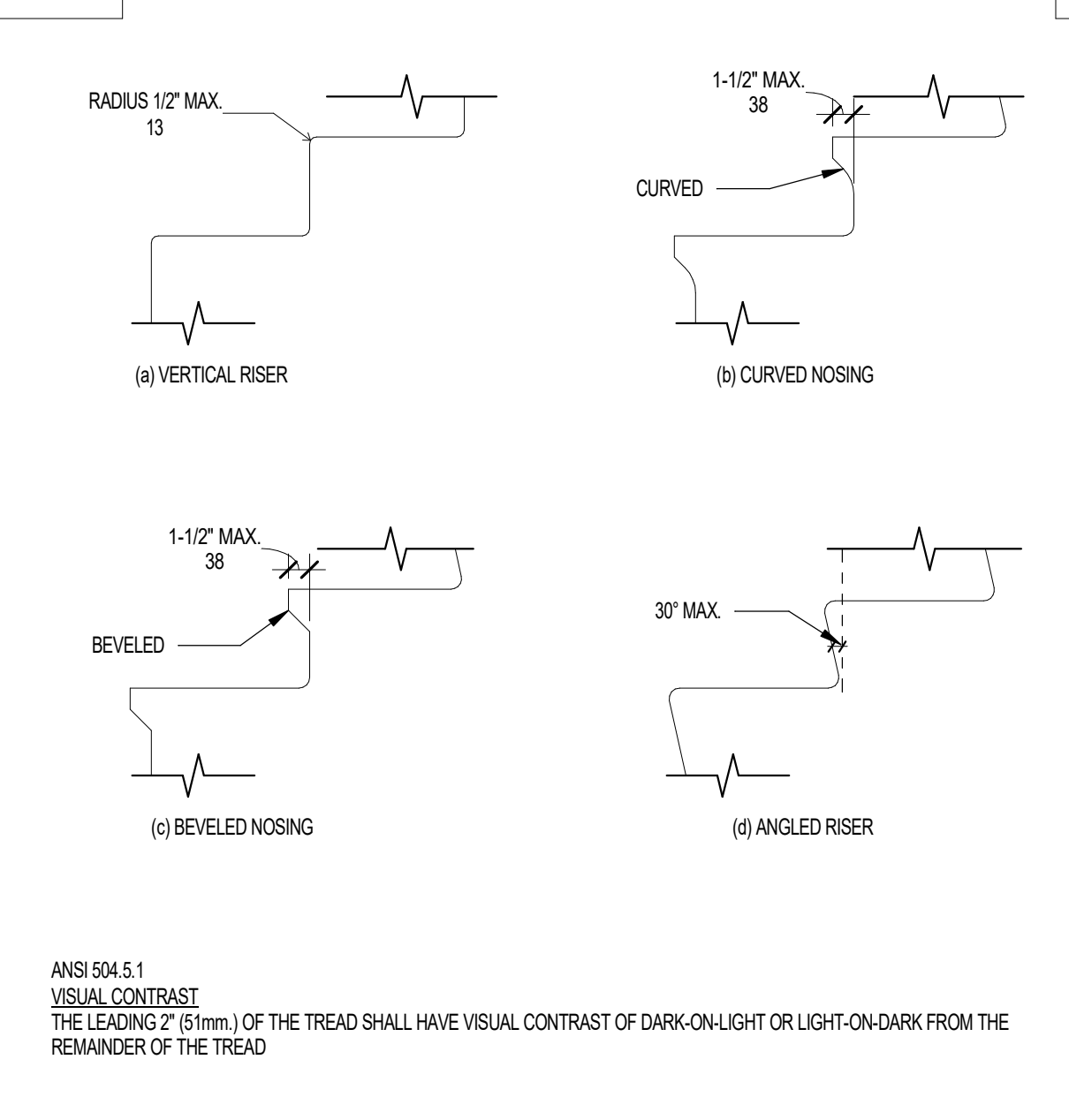
22 WOOD STAIR AT LANDING SCALE: 1" = 1'-0"



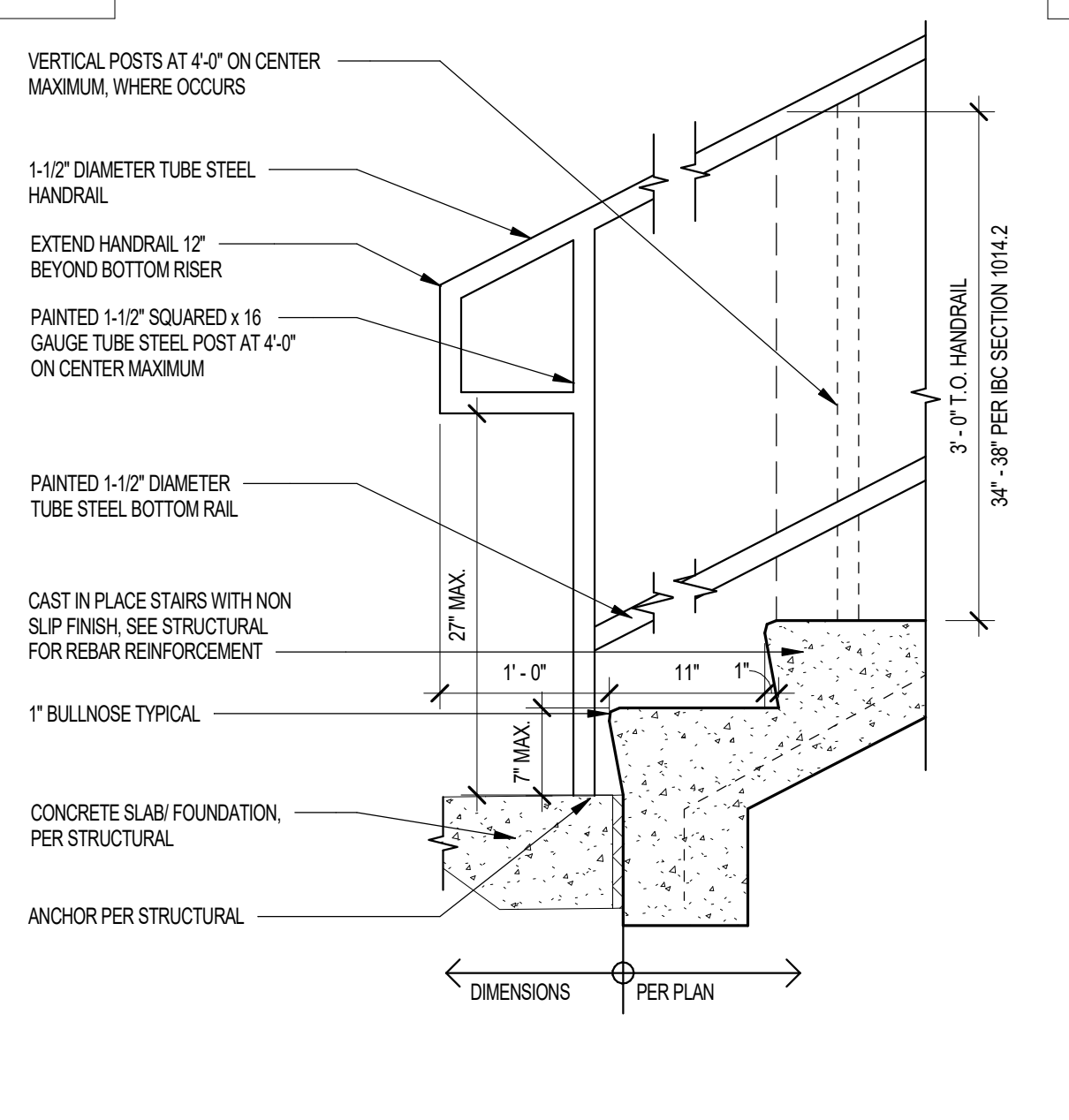
18 RAILING AT WOOD STAIRS SCALE: 1" = 1'-0"



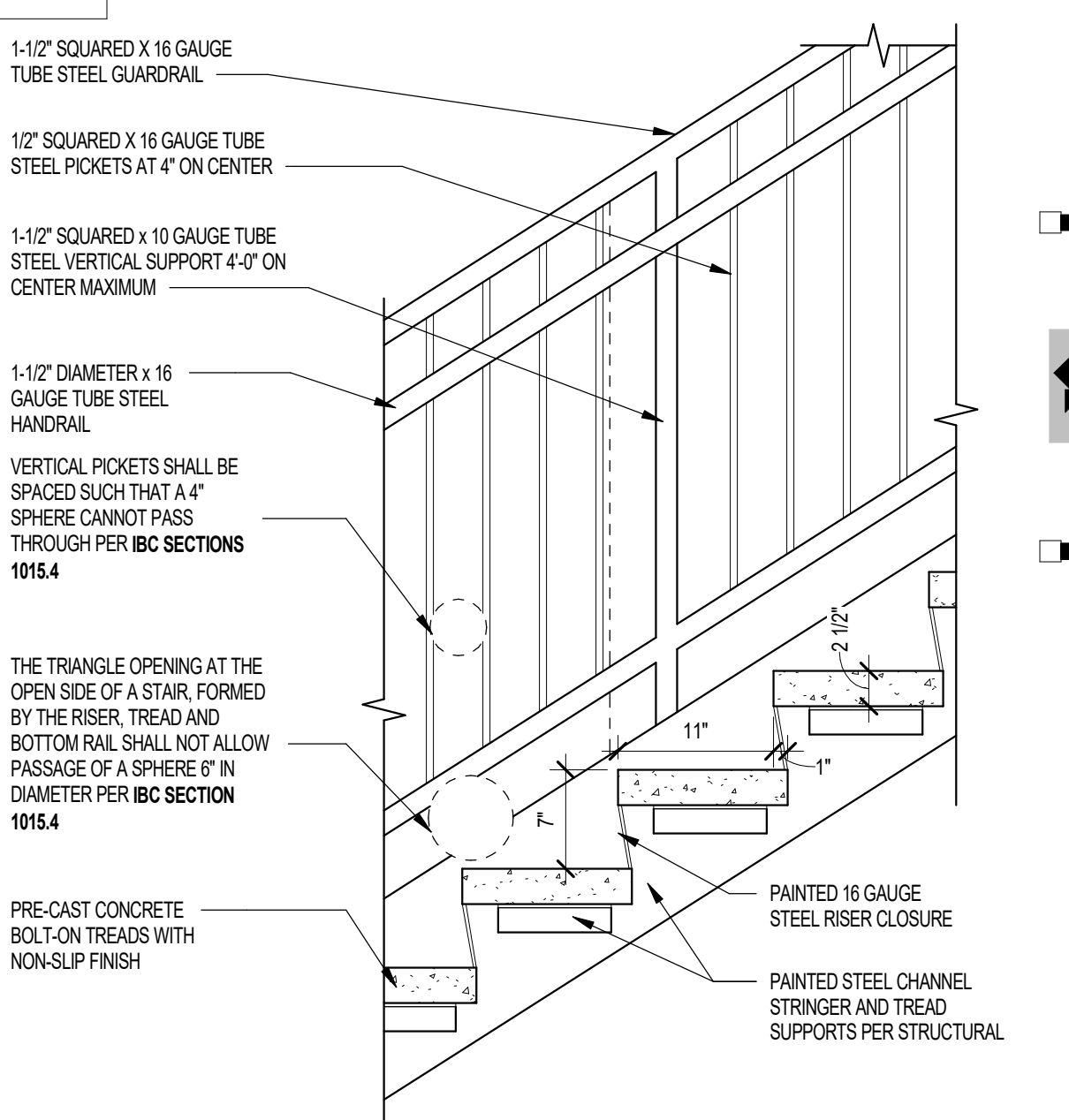
14 HANDRAIL BRACKET - SECTION @ WOOD FRAMING SCALE: 0" = 1'-0"



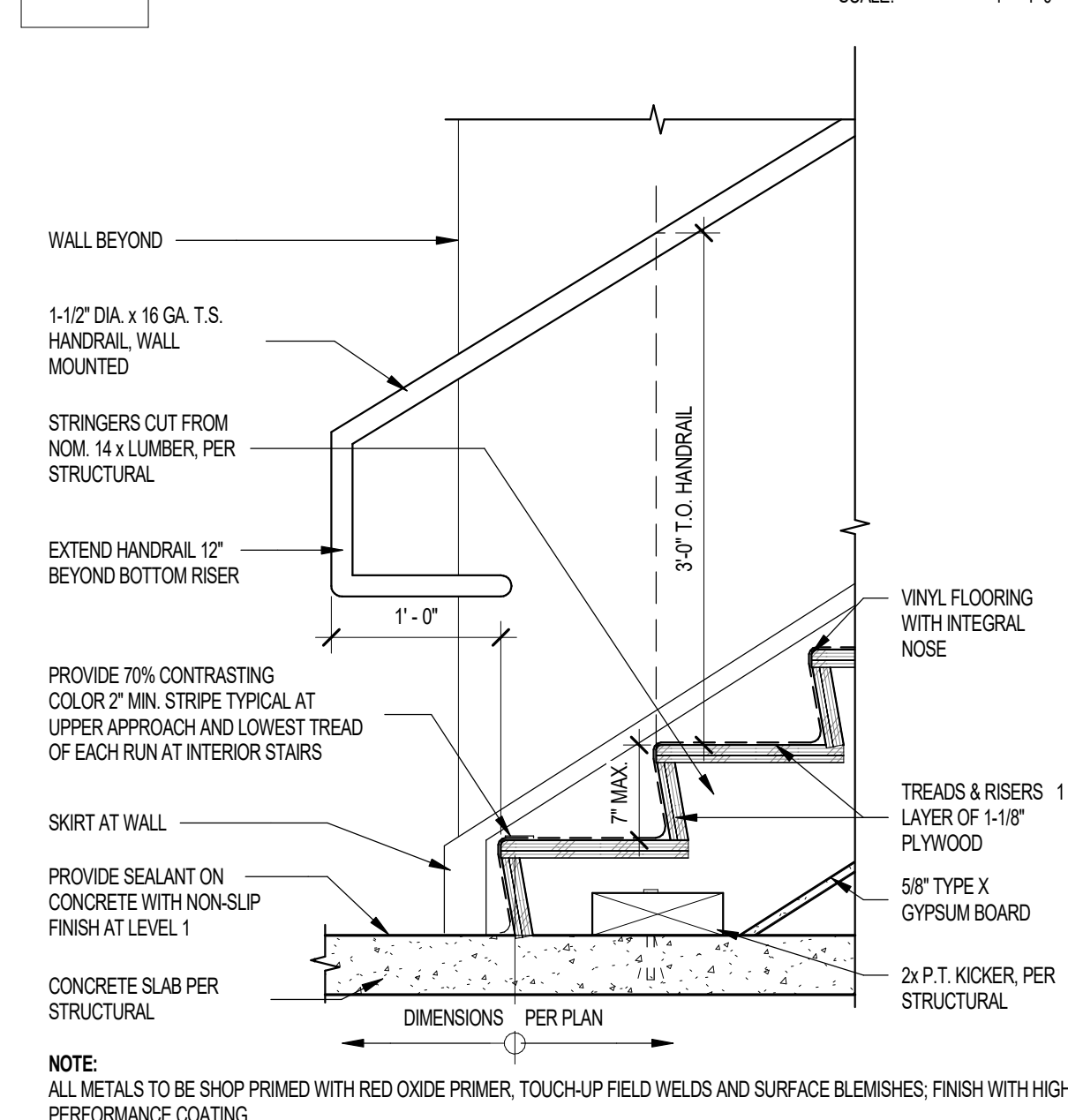
10 STAIR NOSING SCALE: 1" = 1'-0"



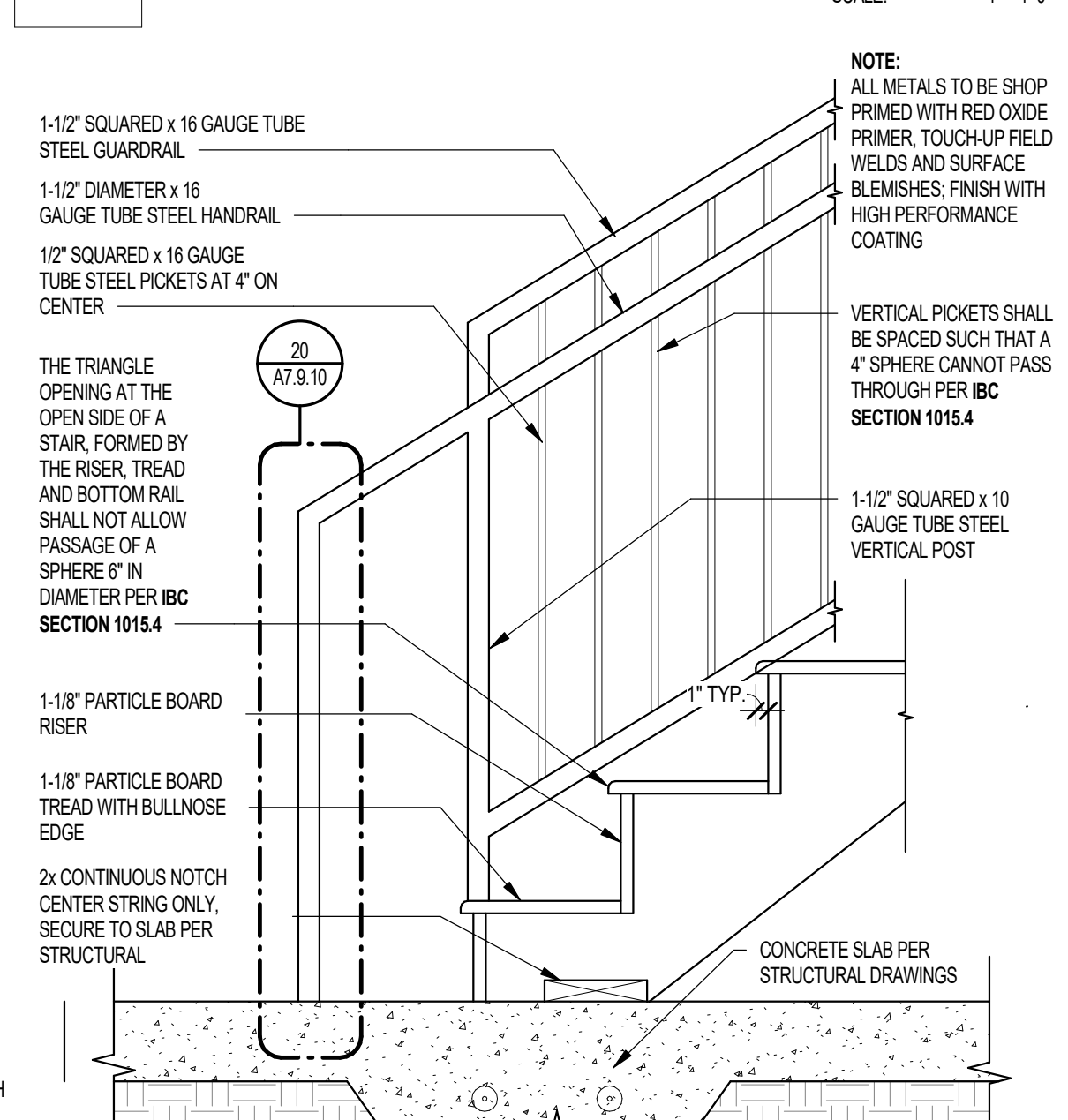
06 LANDING @ CONCRETE STAIR - BOTTOM SCALE: 1" = 1'-0"



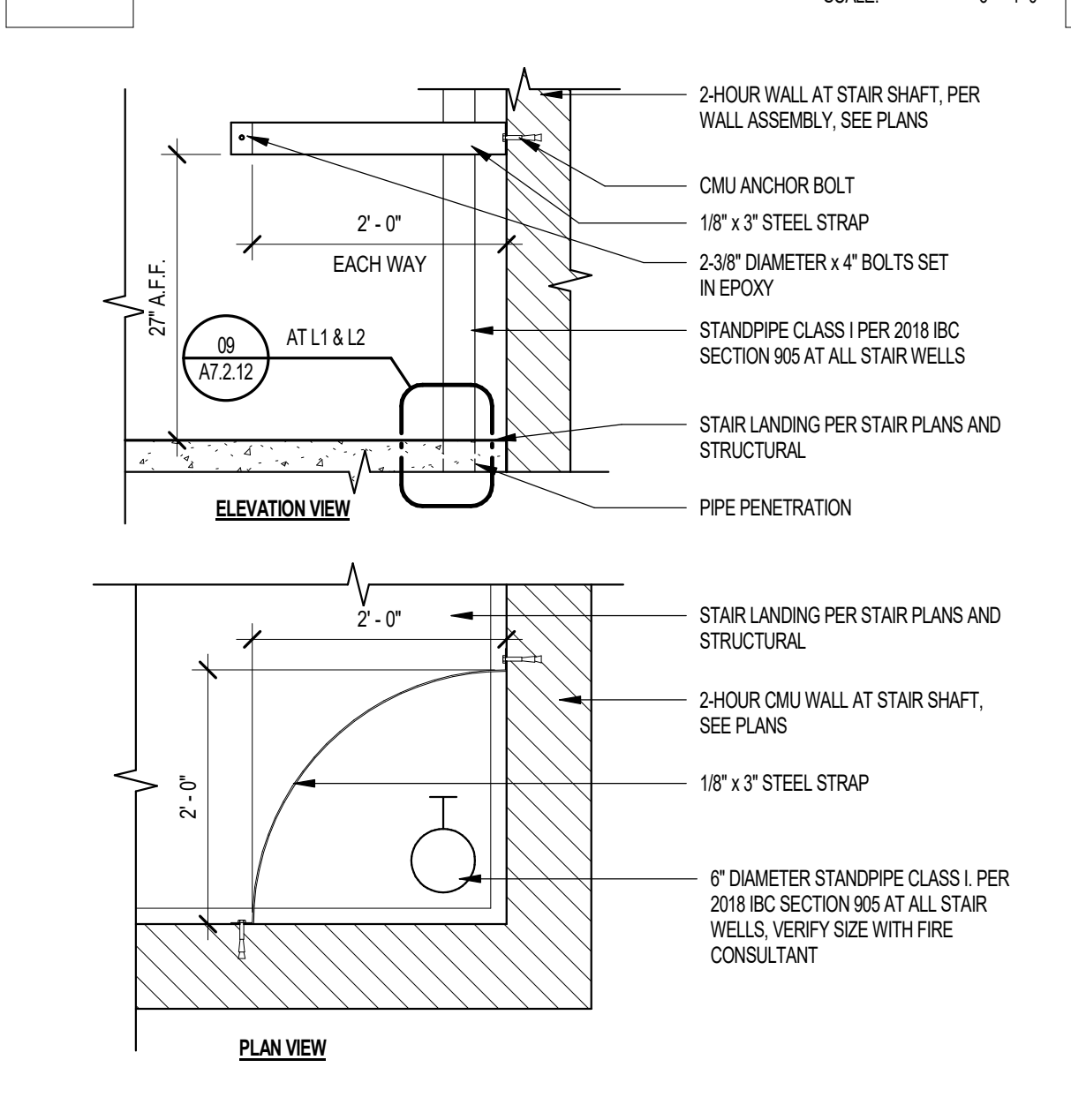
02 STAIR RAILING AT STEEL STAIR SCALE: 1" = 1'-0"



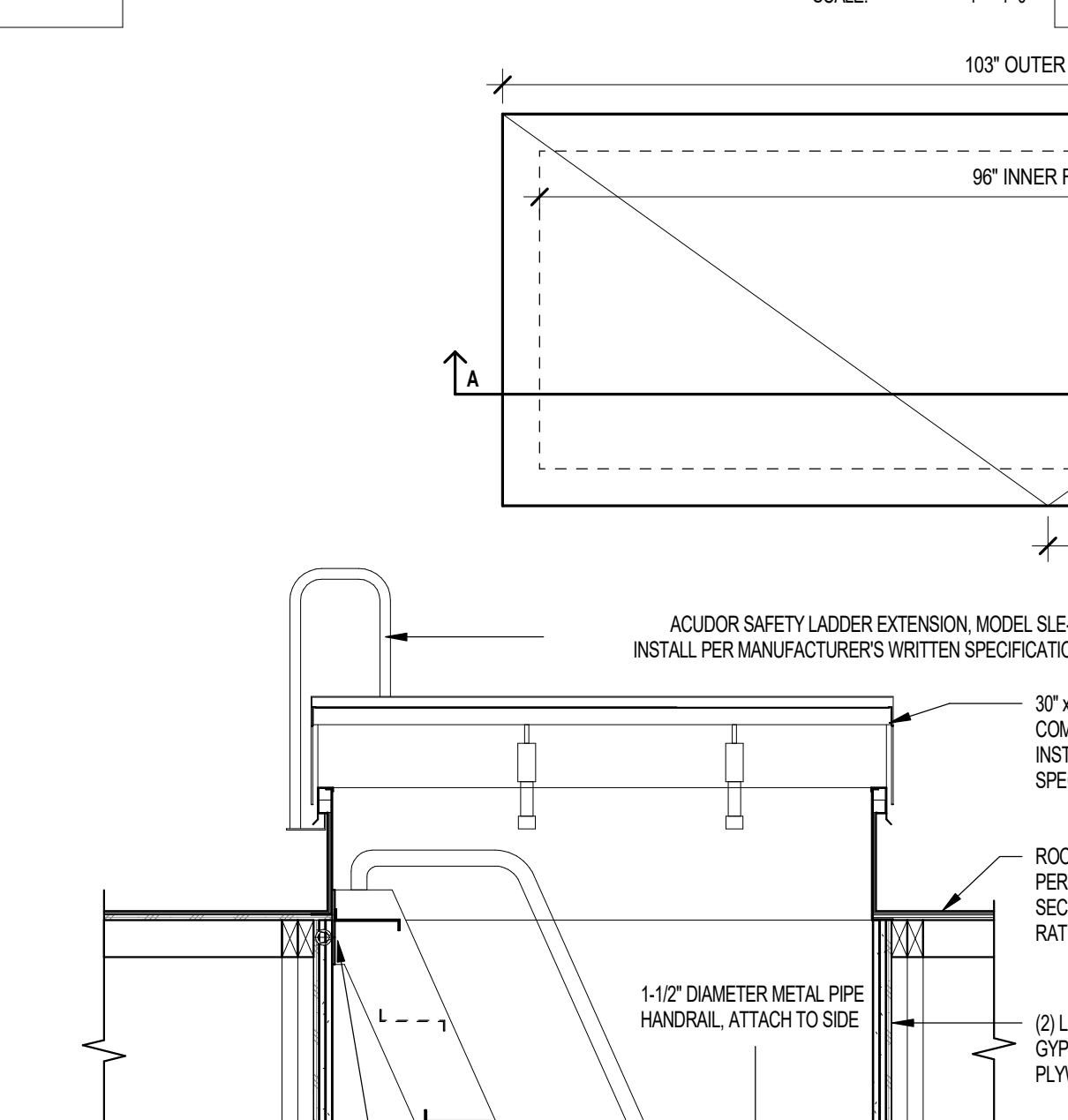
23 WOOD STAIR AT BOTTOM SCALE: 1" = 1'-0"



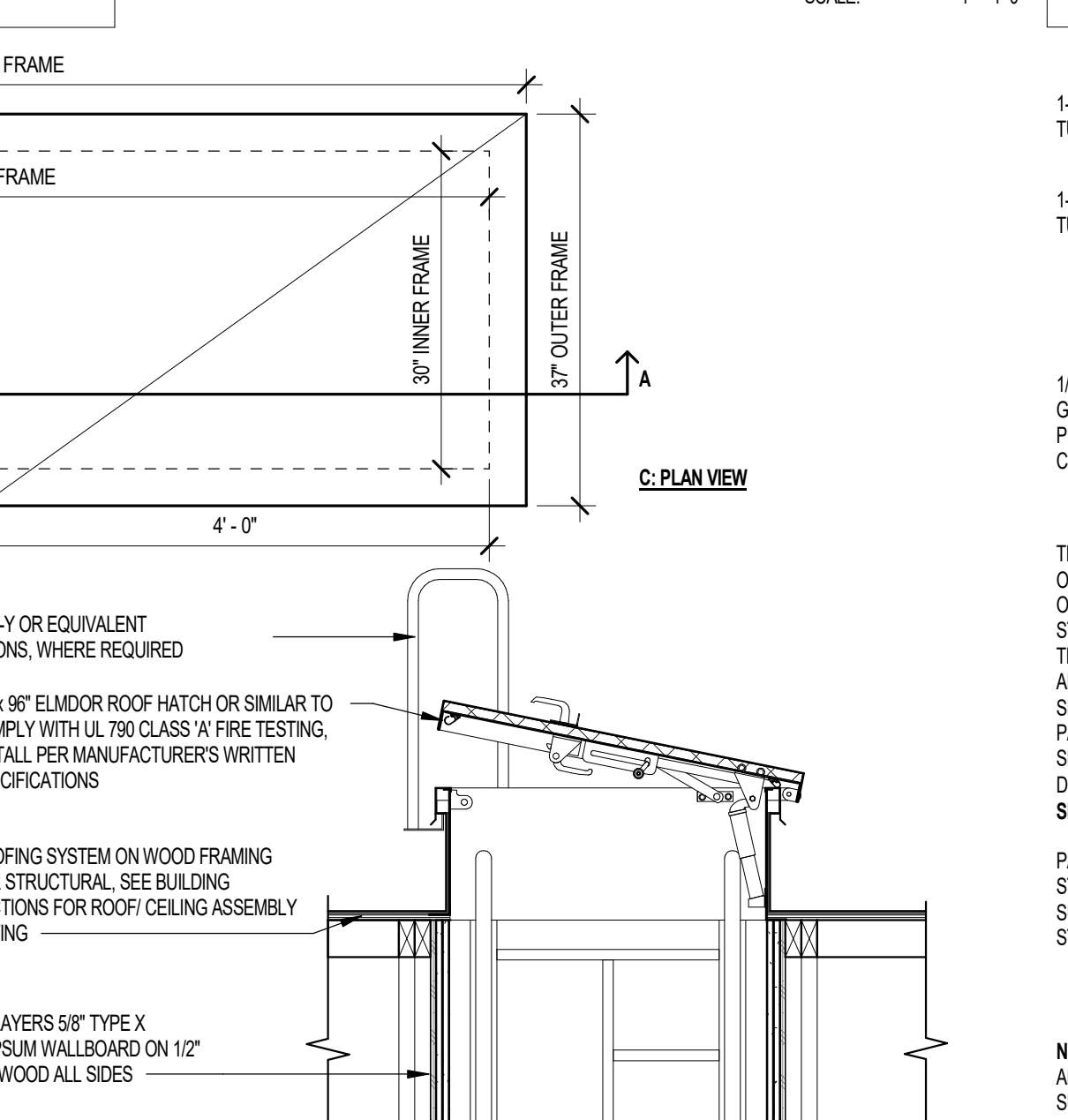
19 WOOD STAIR AT LANDING SCALE: 1" = 1'-0"



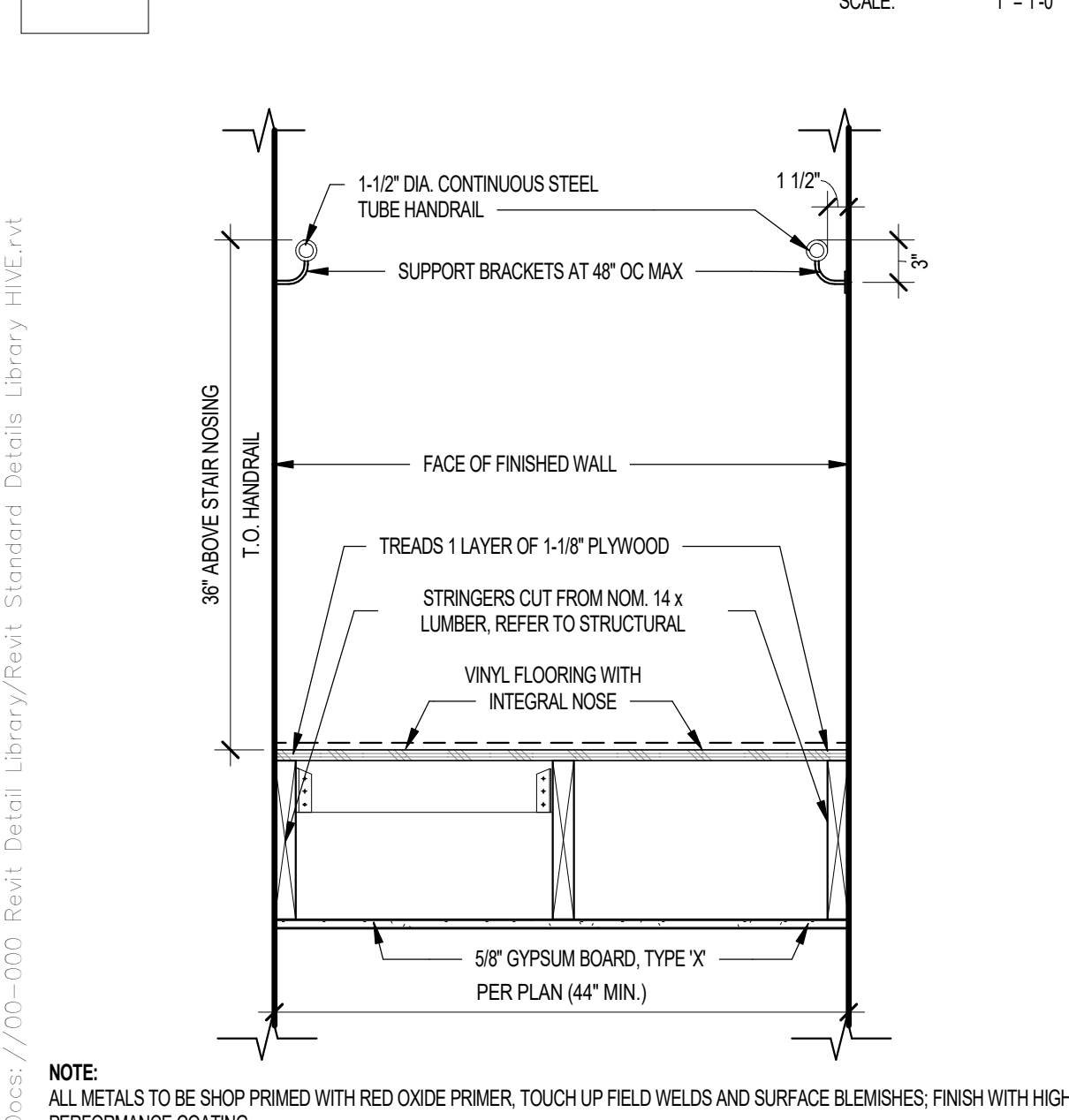
15 STANDPIPE PROTRUSION PROTECTION SCALE: 3/16" = 1'-0"



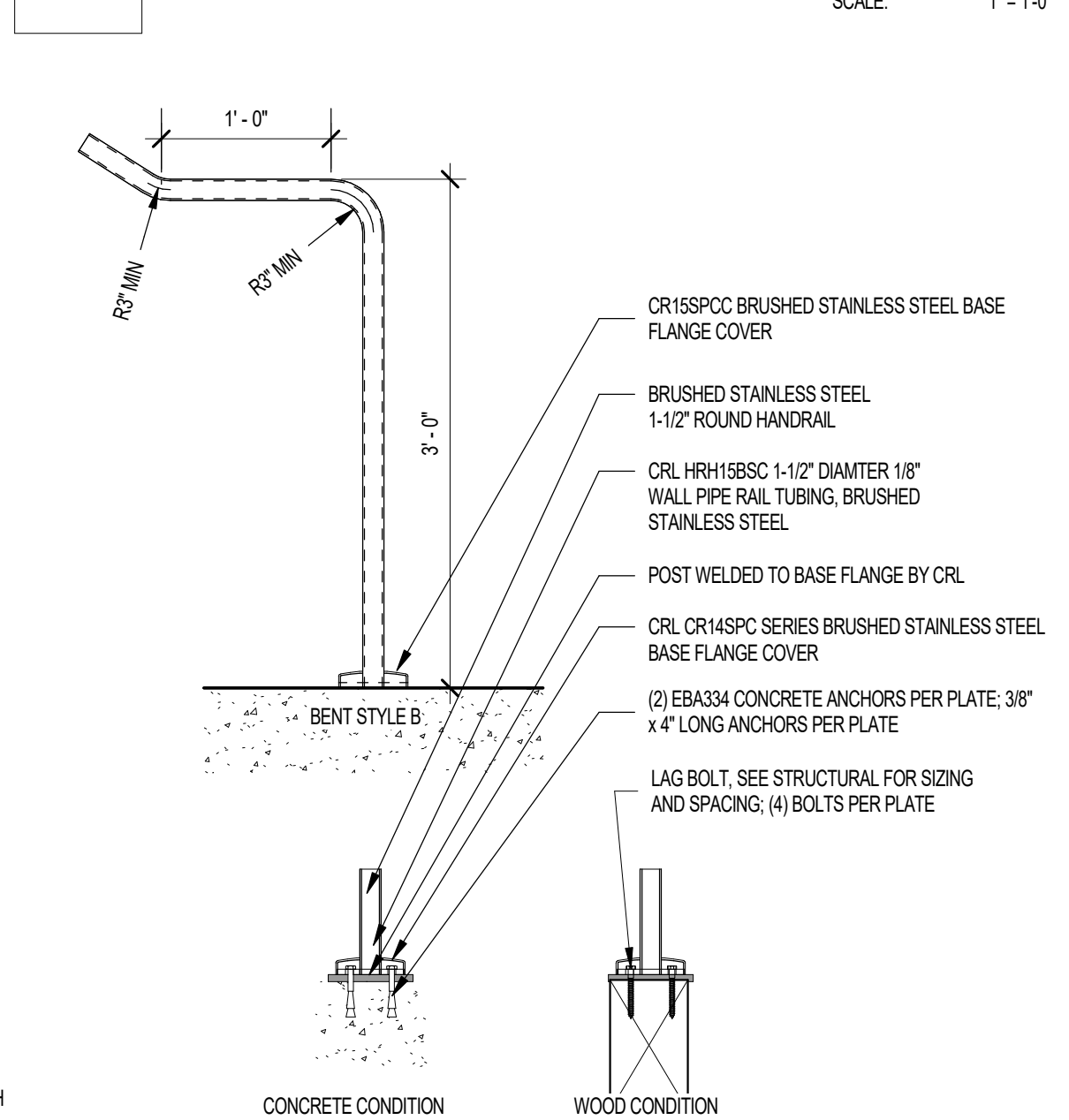
12 ALTERNATING METAL TREAD LADDER/ROOF HATCH AT WOOD FRAMED SCALE: 3/4" = 1'-0"



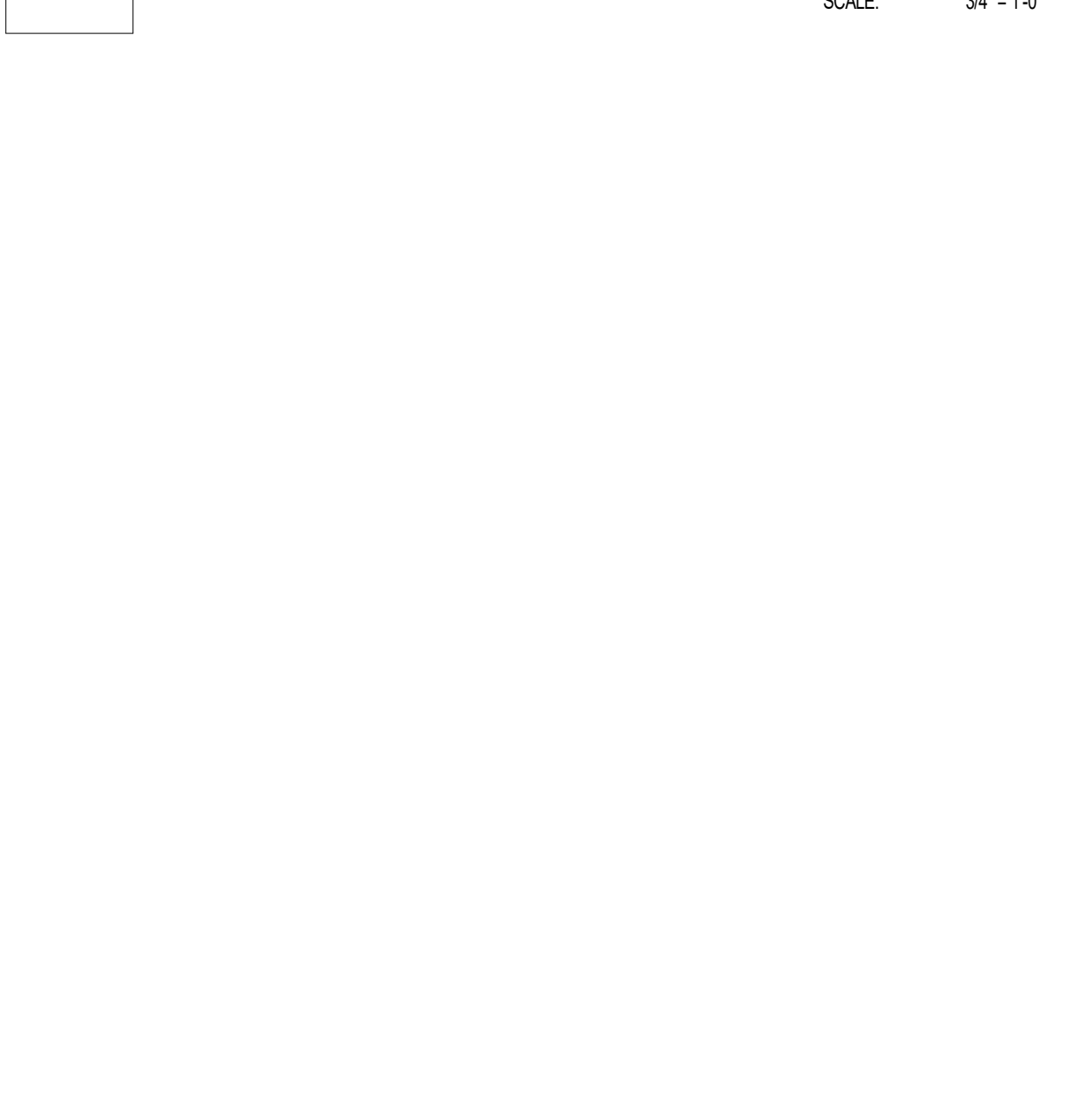
03 LANDING AT STEEL STAIR - BOTTOM SCALE: 1" = 1'-0"



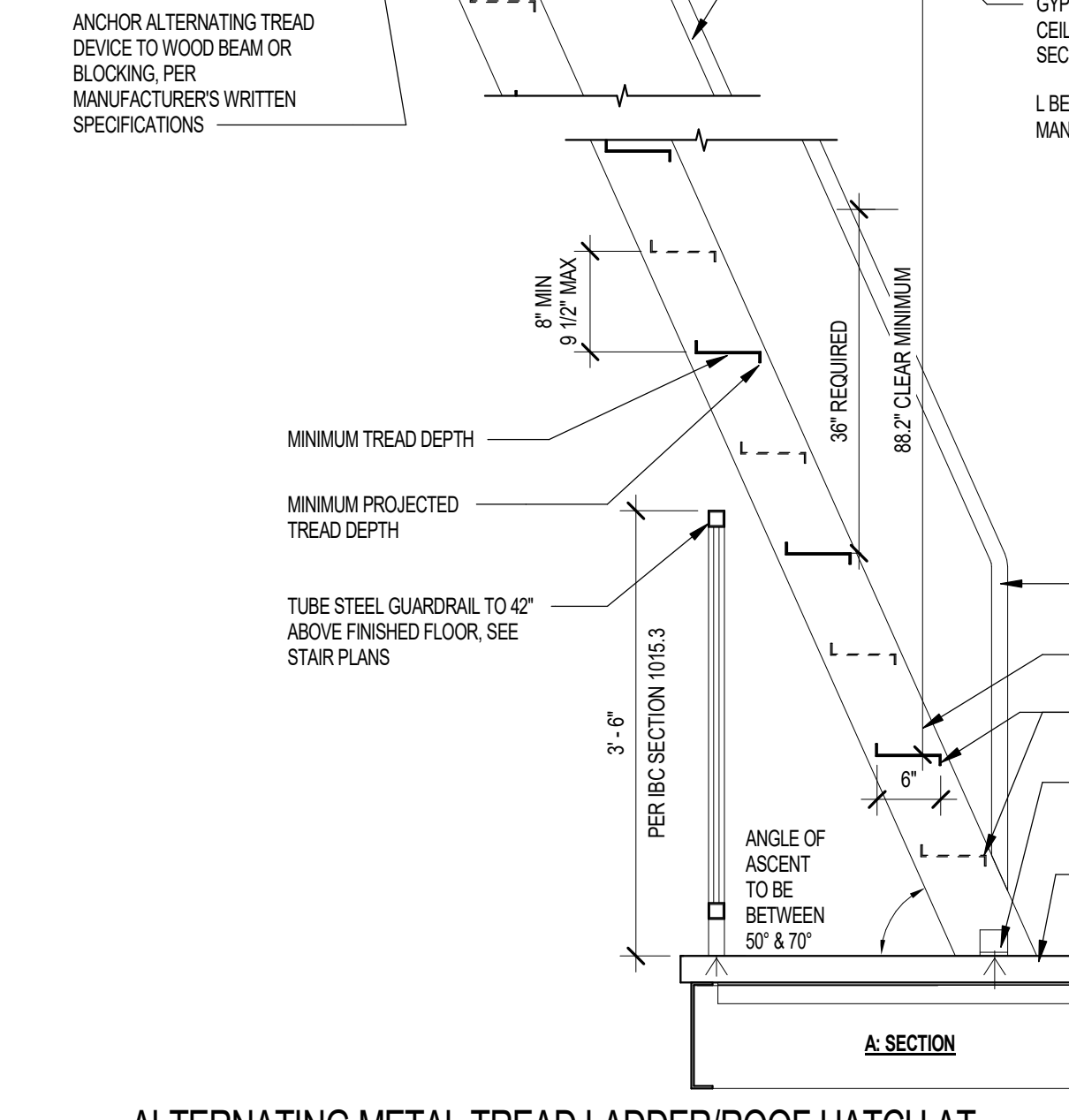
24 WOOD STAIR CROSS SECTION SCALE: 1" = 1'-0"



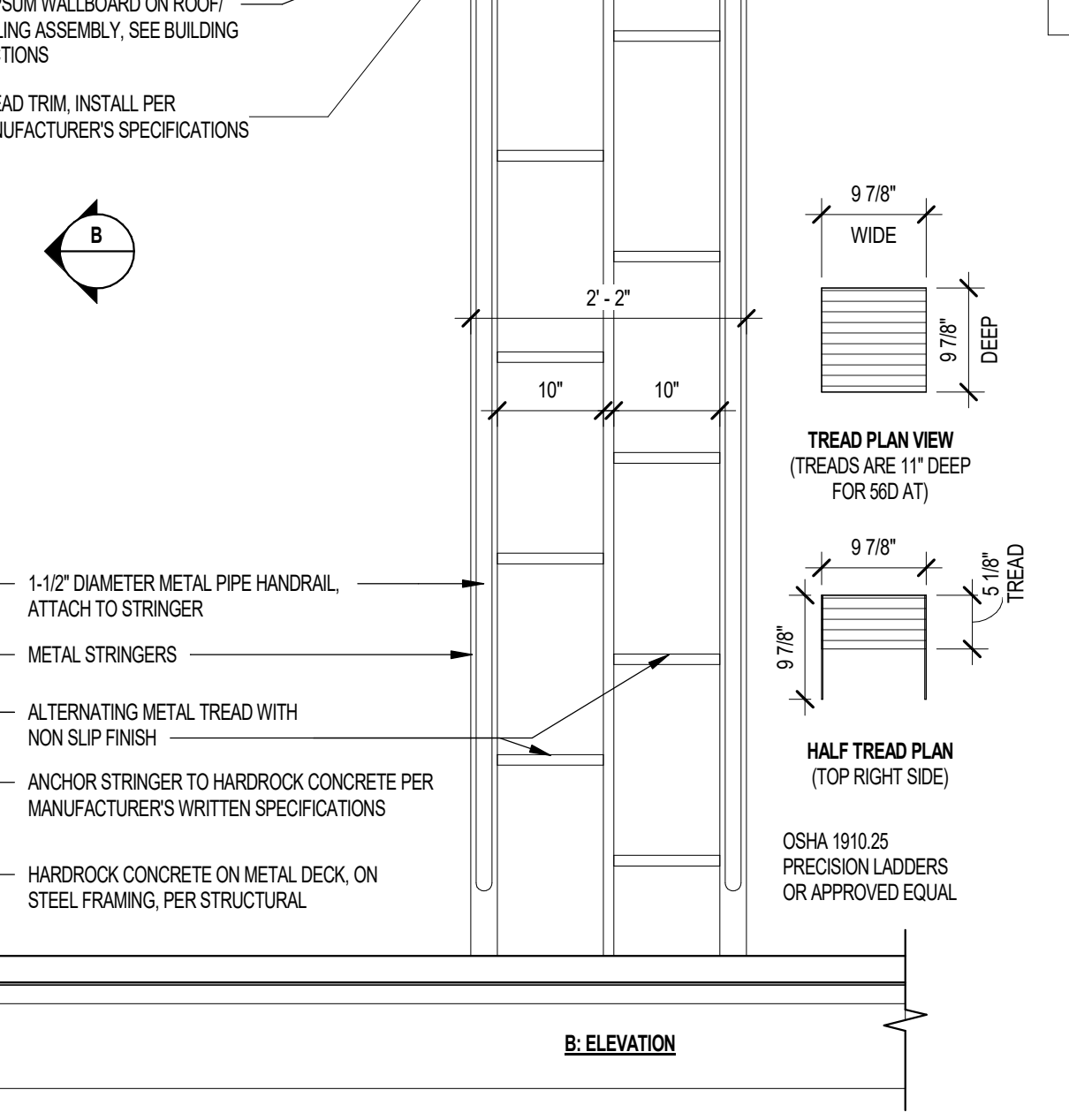
20 FLOOR RAIL ATTACHMENT AT REC SCALE: 1" = 1'-0"



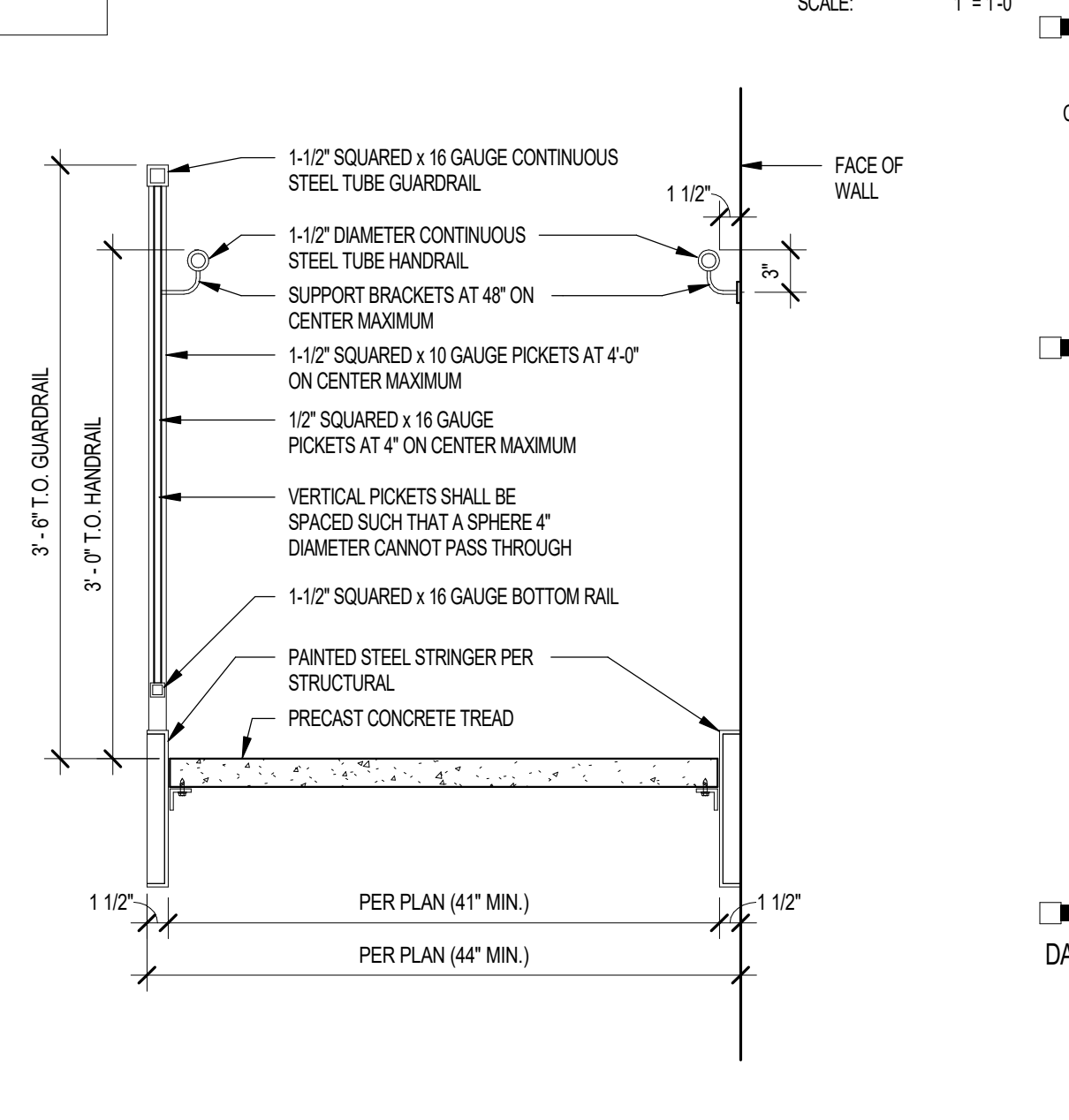
13 WOOD STAIR CROSS SECTION SCALE: 1" = 1'-0"



13 WOOD STAIR CROSS SECTION SCALE: 1" = 1'-0"



13 WOOD STAIR CROSS SECTION SCALE: 1" = 1'-0"



13 WOOD STAIR CROSS SECTION SCALE: 1" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State
Office of Rich Barber
ORB Architecture, LLC
WorldHQ@ORBArch.com

PRELIMINARY
NOT FOR
CONSTRUCTION
ADVANCE
RESIDENTIAL
LEGACY HOSPITALITY

Notice of alternate billing (or payment) cycle
This contract may allow the contractor to request the admission of billing or advance in billing...
CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or design agent shall provide the written consent on request.

Contractor must verify all dimensions at project before proceeding with this work.

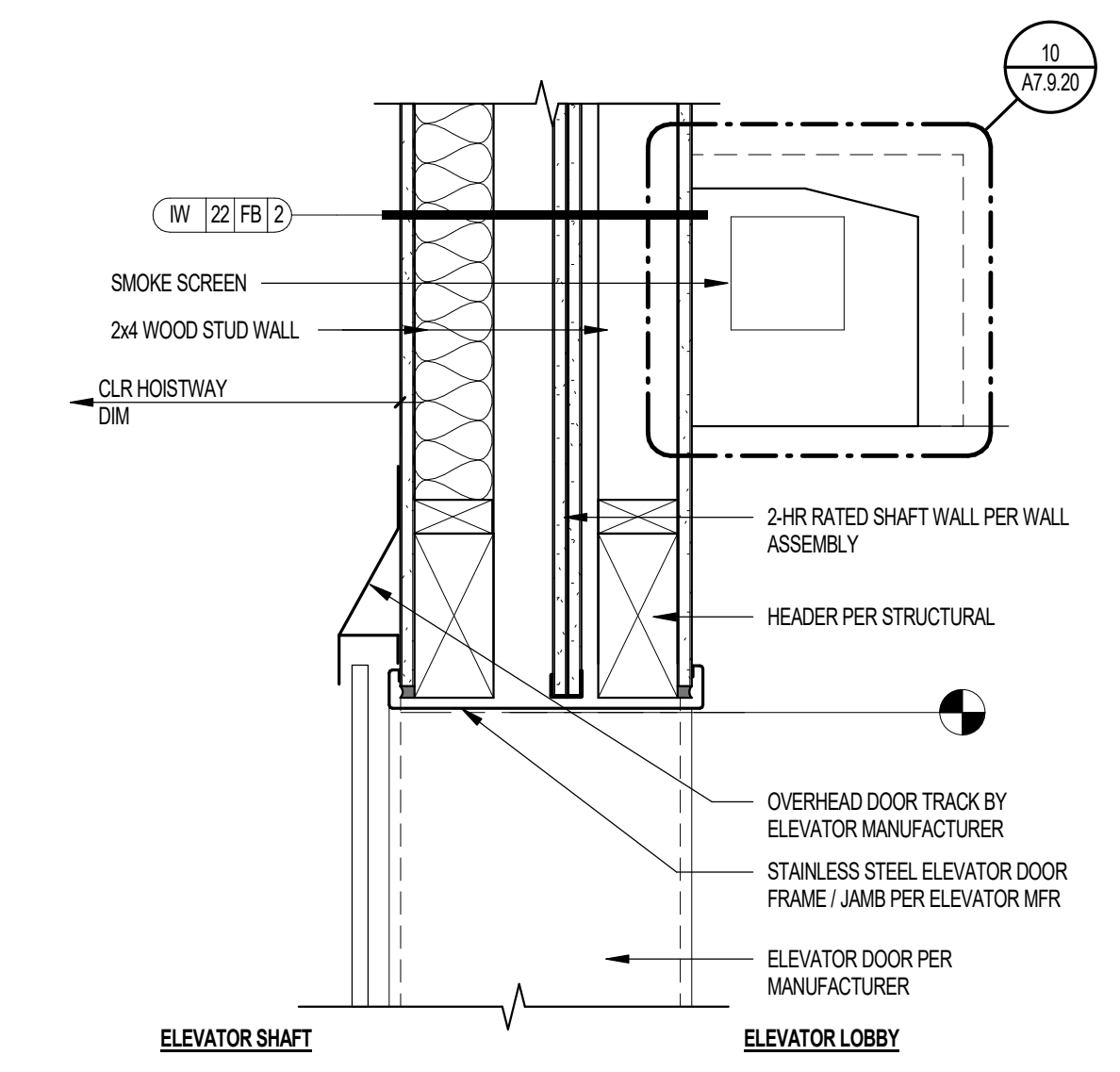
This contract shall be void and null and void if the contractor or subcontractor...
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REVISIONS/SUBMITTALS

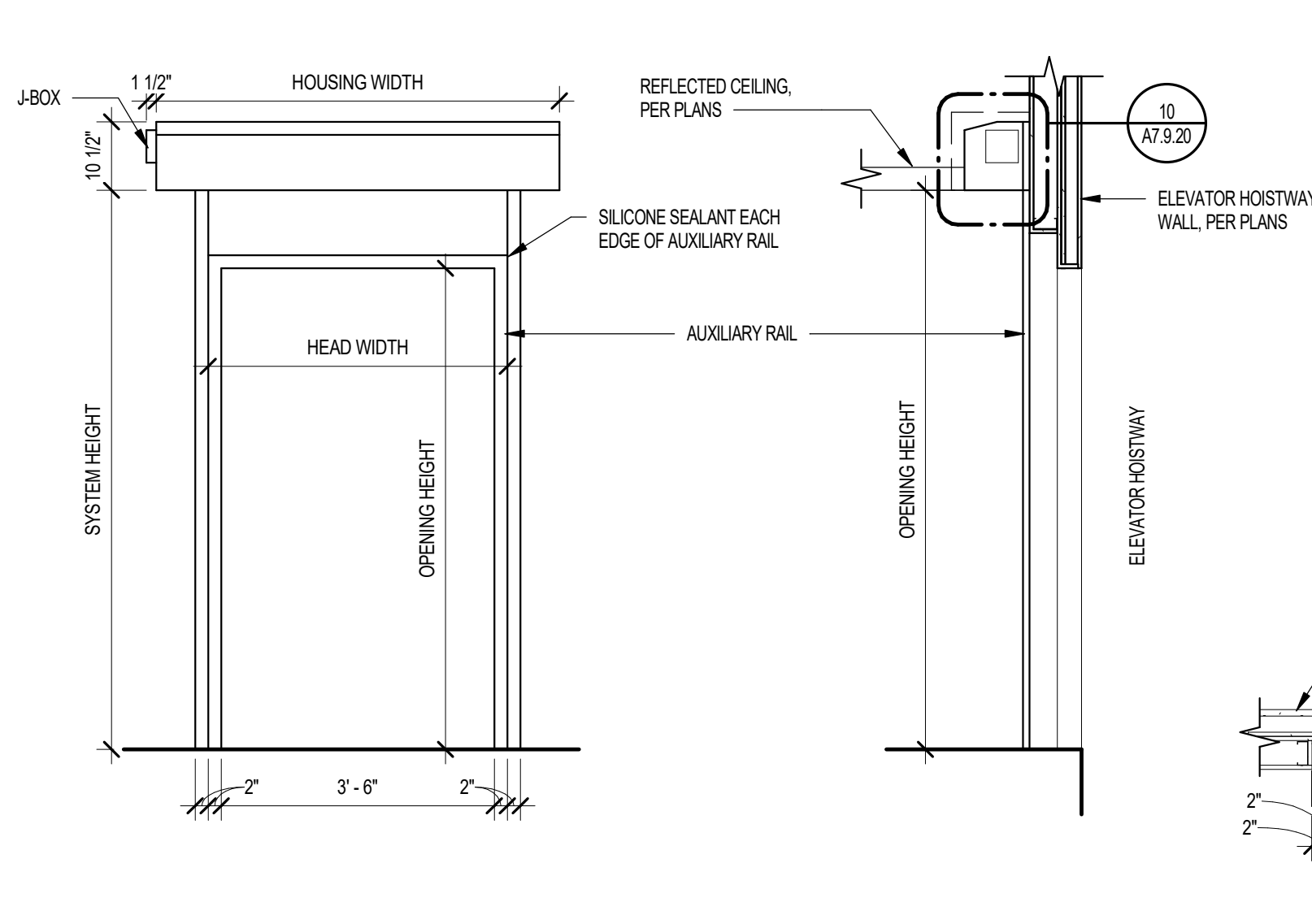
DATE	DESCRIPTION
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DATE: SEPTEMBER 11, 2024 ORB #: 00-000

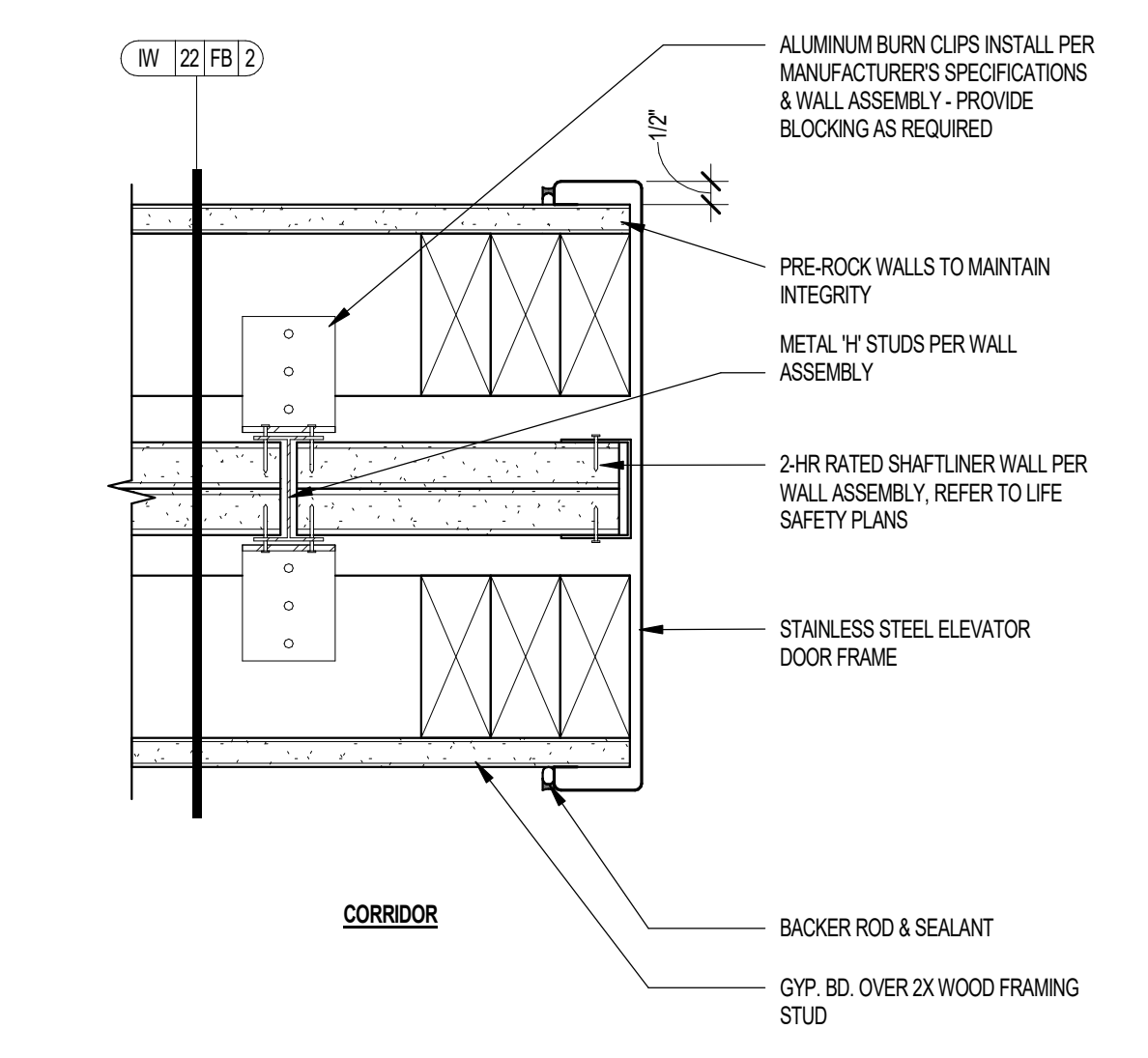
A7.9.10
STAIR DETAILS



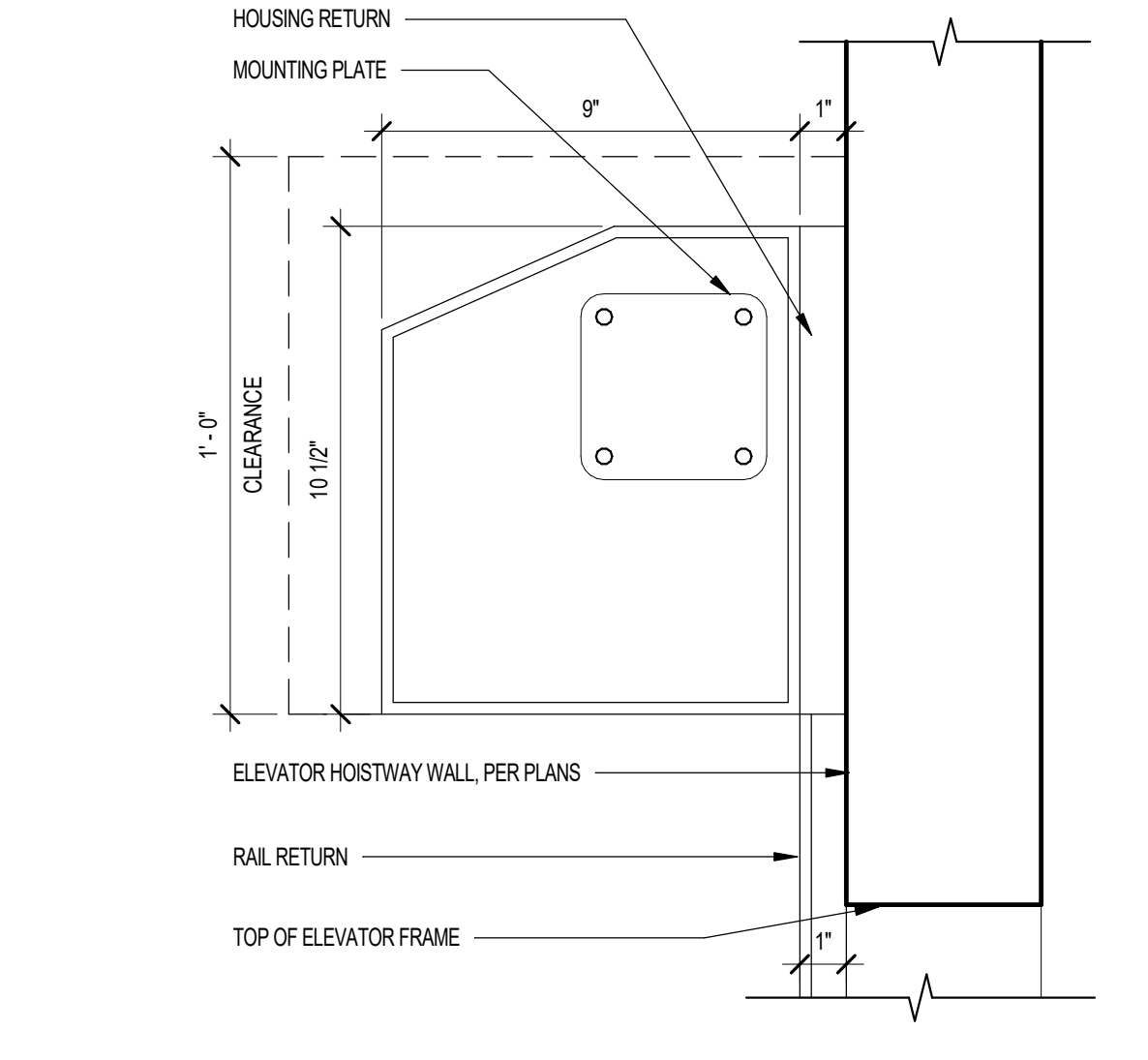
17 ELEVATOR - DOOR HEAD AT WOOD FRAMED SHAFT
SCALE: 1 1/2" = 1'-0"



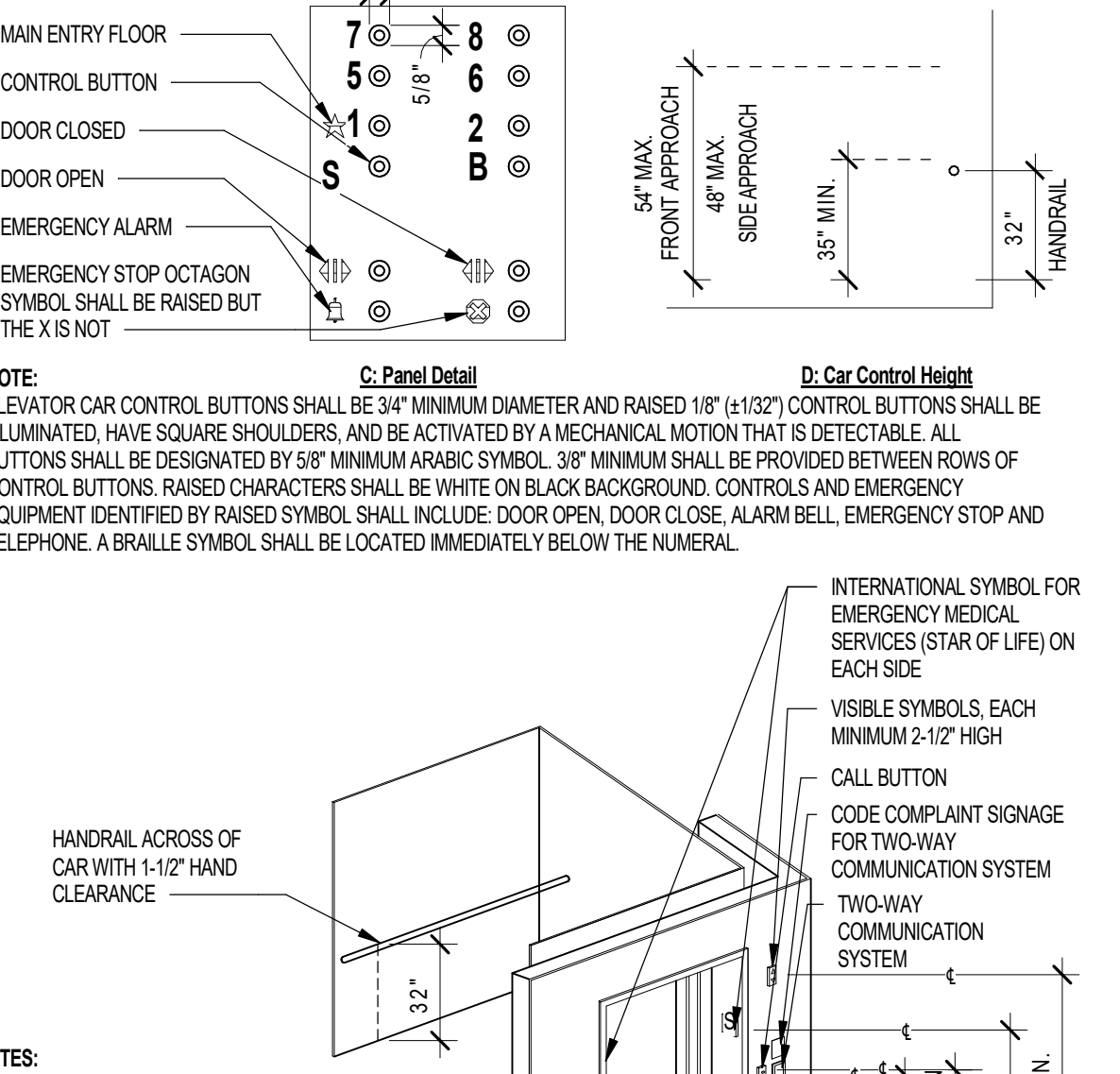
13 HOISTWAY OPENING PROTECTION - SMOKEGUARD
PER 2010 BC 3006.3.3
SCALE: 1/2" = 1'-0"



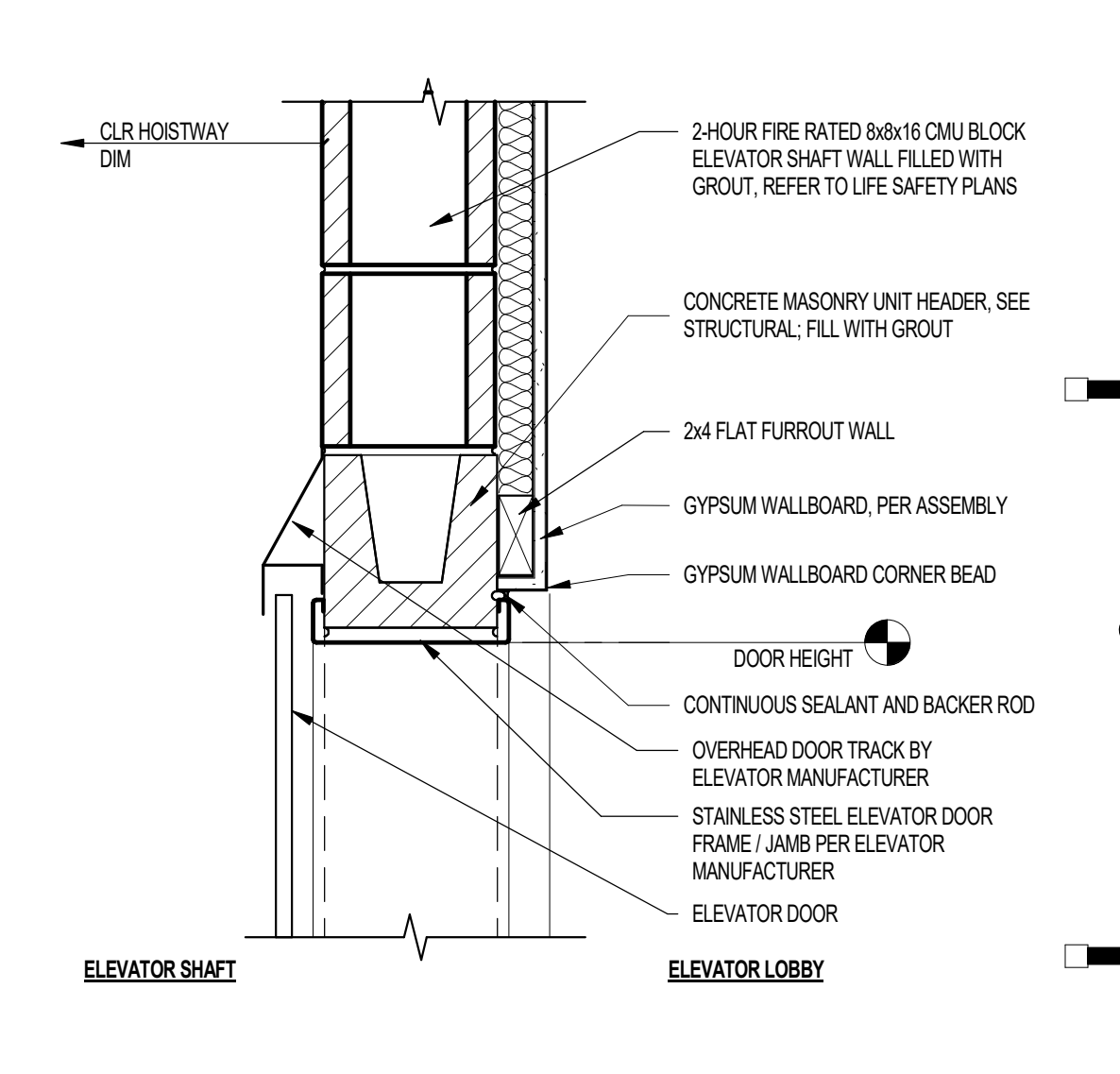
18 ELEVATOR - DOOR JAMB AT WOOD FRAMED SHAFT
SCALE: 3" = 1'-0"



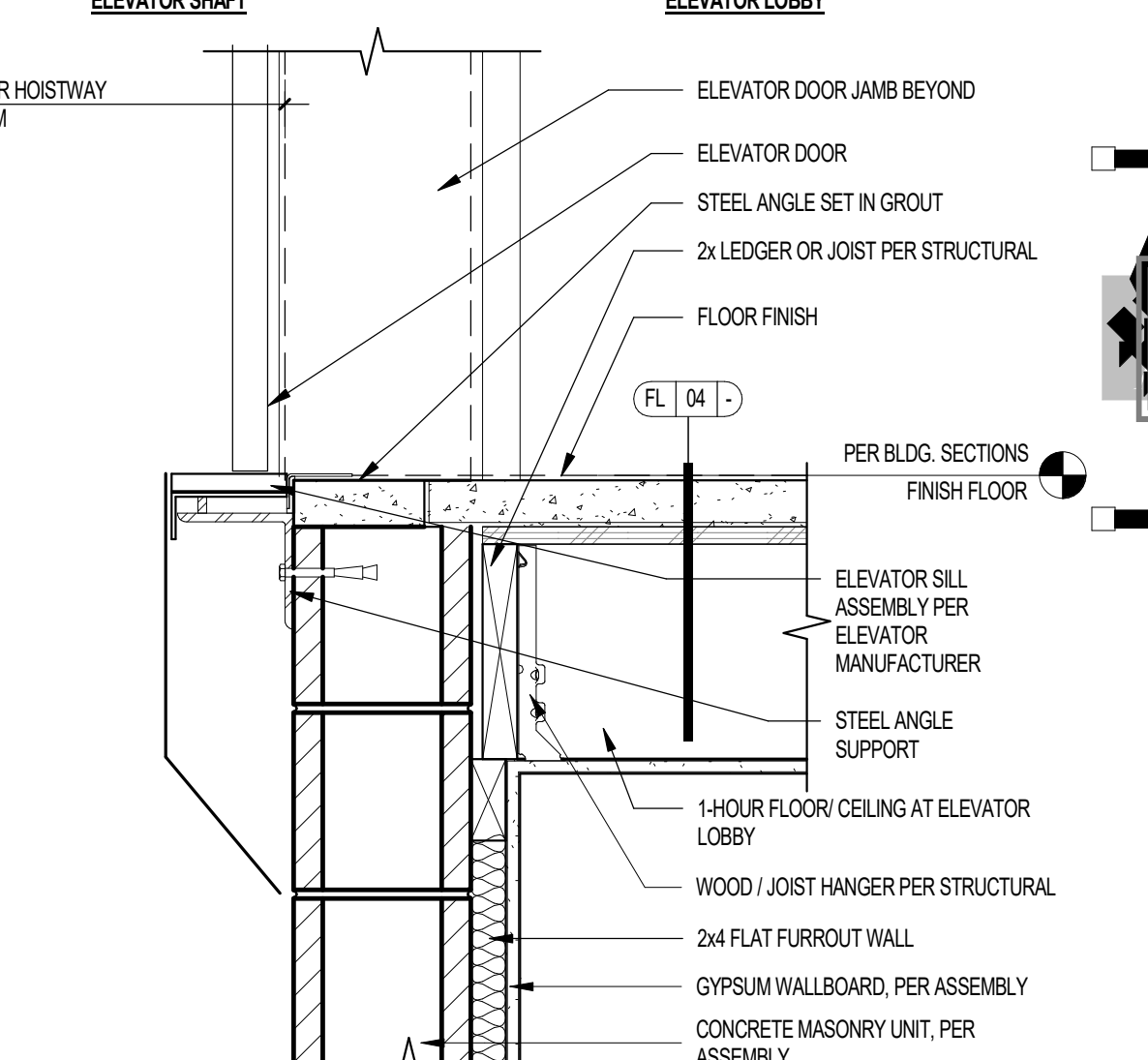
10 ELEVATOR SMOKE DOOR - M200 HOUSING DETAIL
SCALE: 3" = 1'-0"



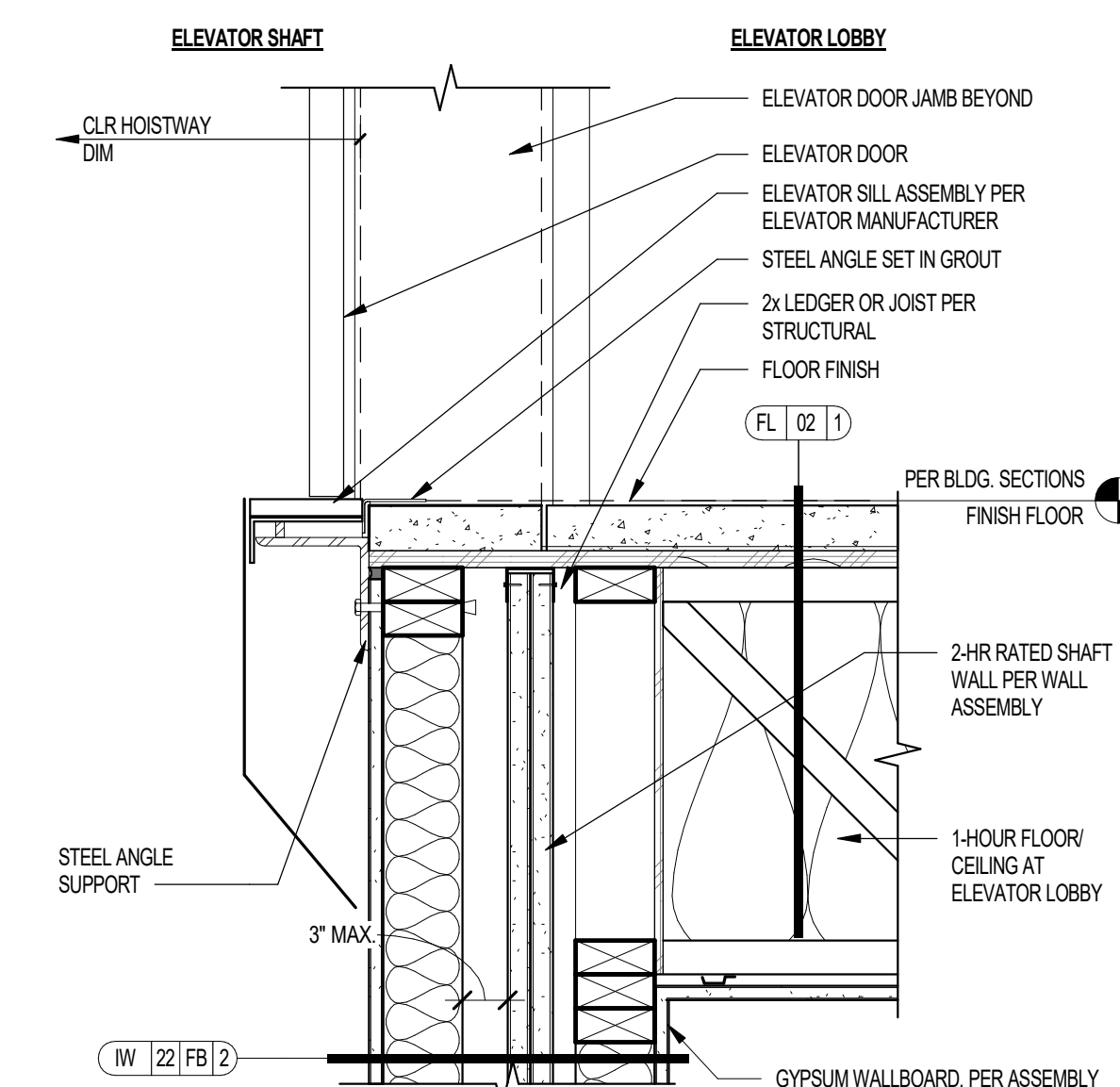
06 ELEVATOR CAB
SCALE: 1/4" = 1'-0"



01 ELEVATOR - DOOR HEAD
SCALE: 1 1/2" = 1'-0"



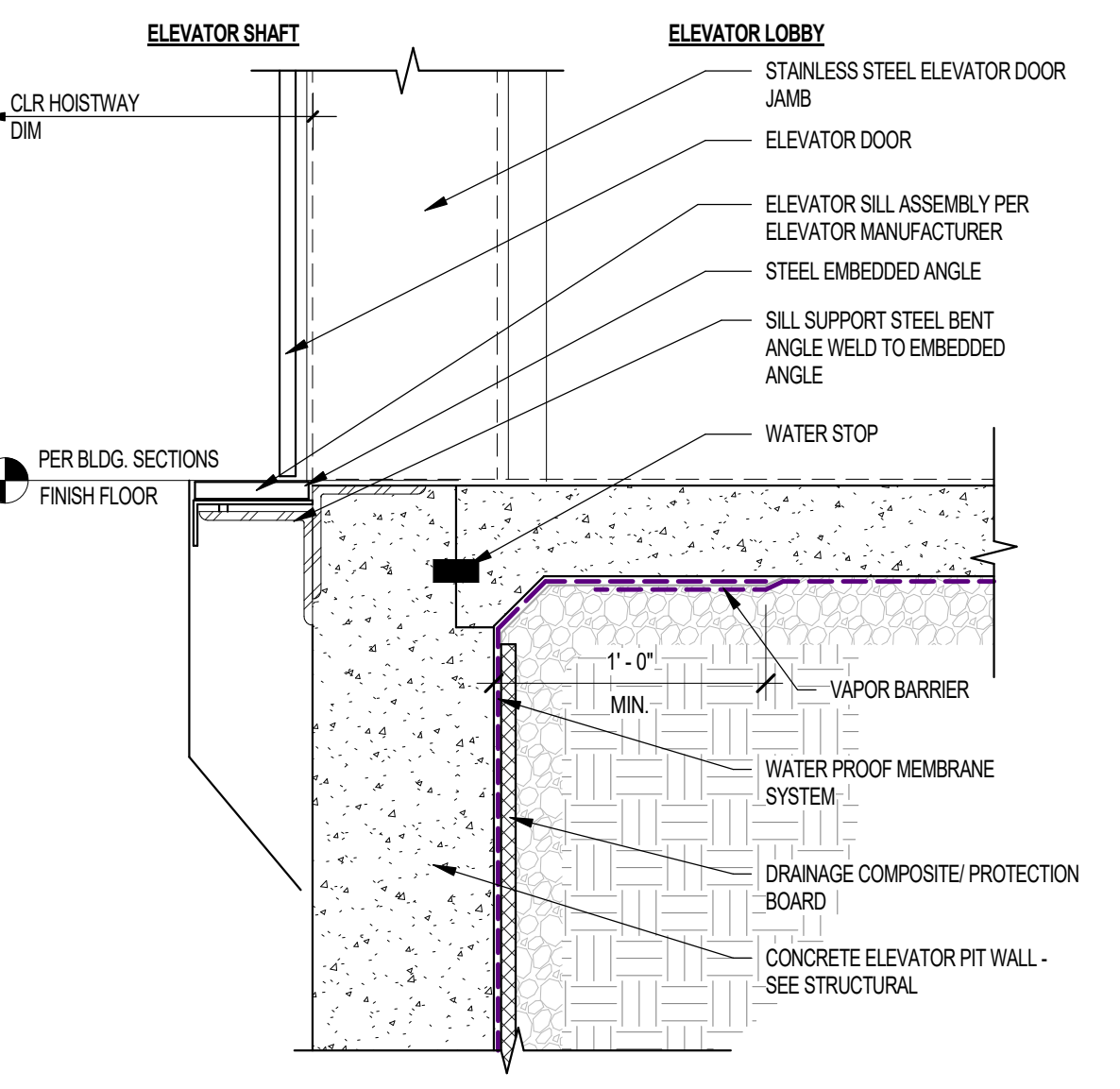
02 ELEVATOR - DOOR SILL AT WOOD FRAMED CORRIDOR
SCALE: 1 1/2" = 1'-0"



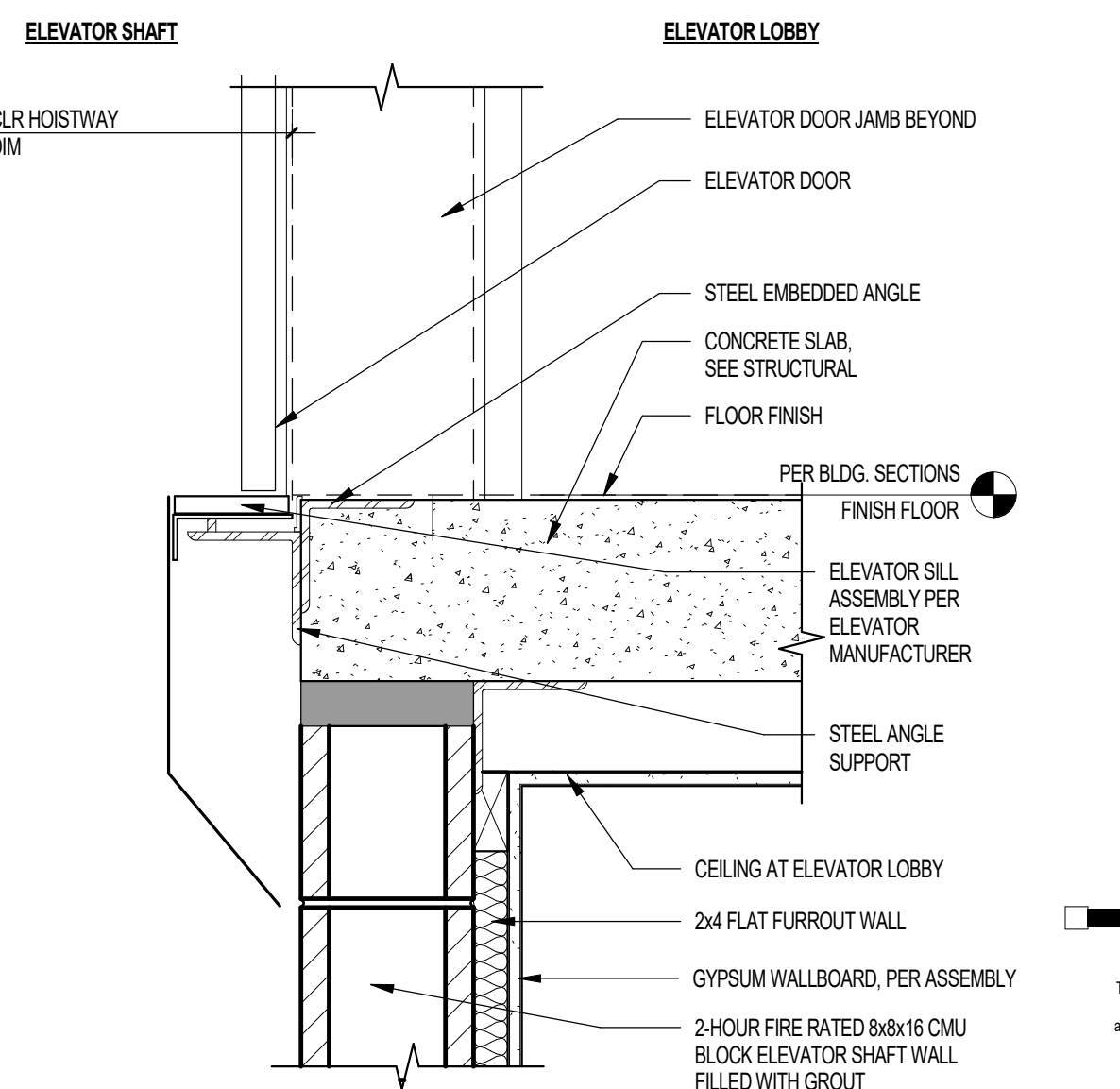
19 ELEVATOR - DOOR SILL AT WOOD FRAMED CORRIDOR - WOOD FRAMED SHAFT
SCALE: 1 1/2" = 1'-0"



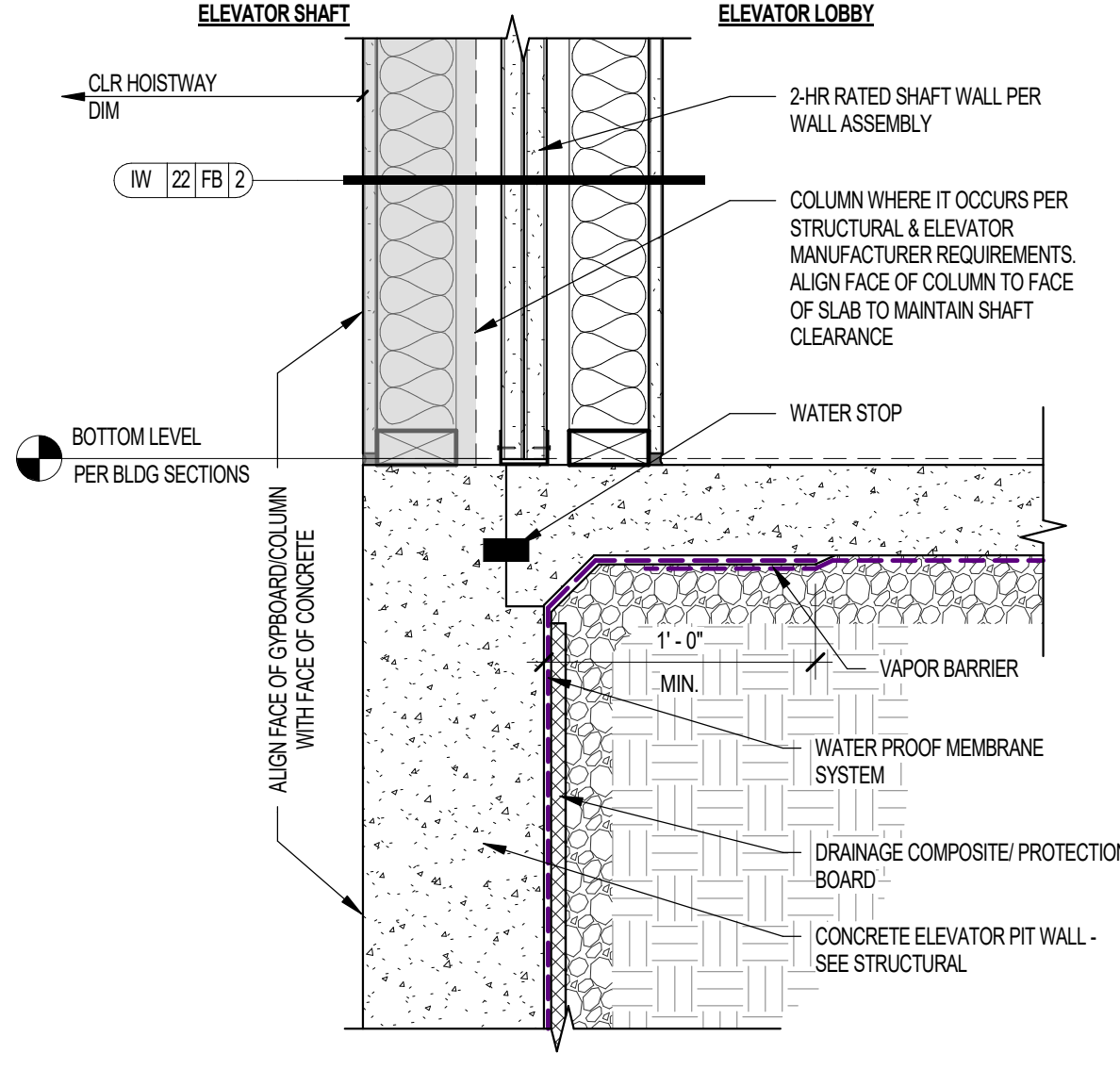
10 ELEVATOR SMOKE DOOR - M200 HOUSING DETAIL
SCALE: 3" = 1'-0"



07 ELEVATOR - DOOR SILL AT BOTTOM LEVEL
SCALE: 1 1/2" = 1'-0"



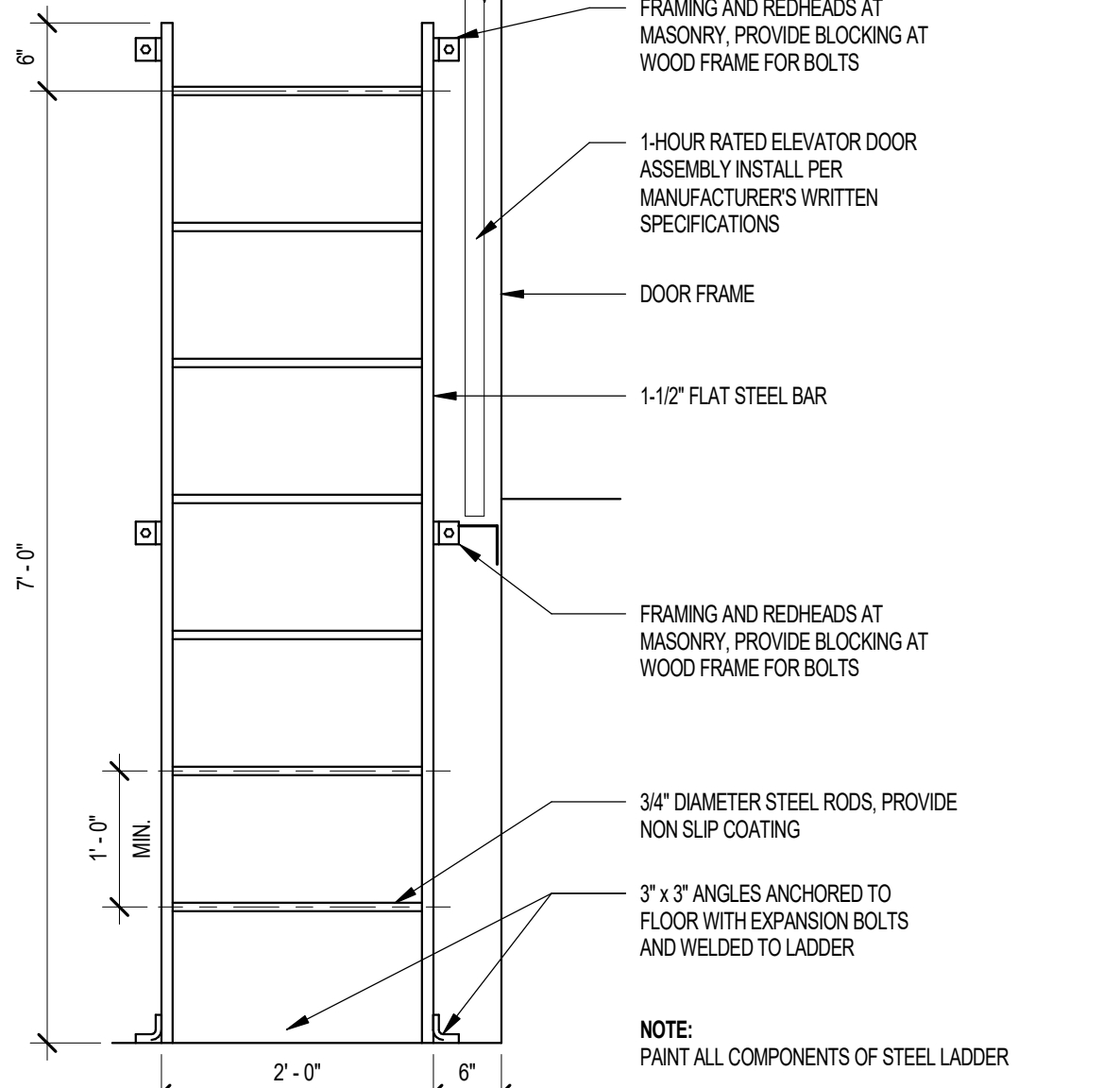
03 ELEVATOR - DOOR SILL AT CONCRETE SLABS
SCALE: 1 1/2" = 1'-0"



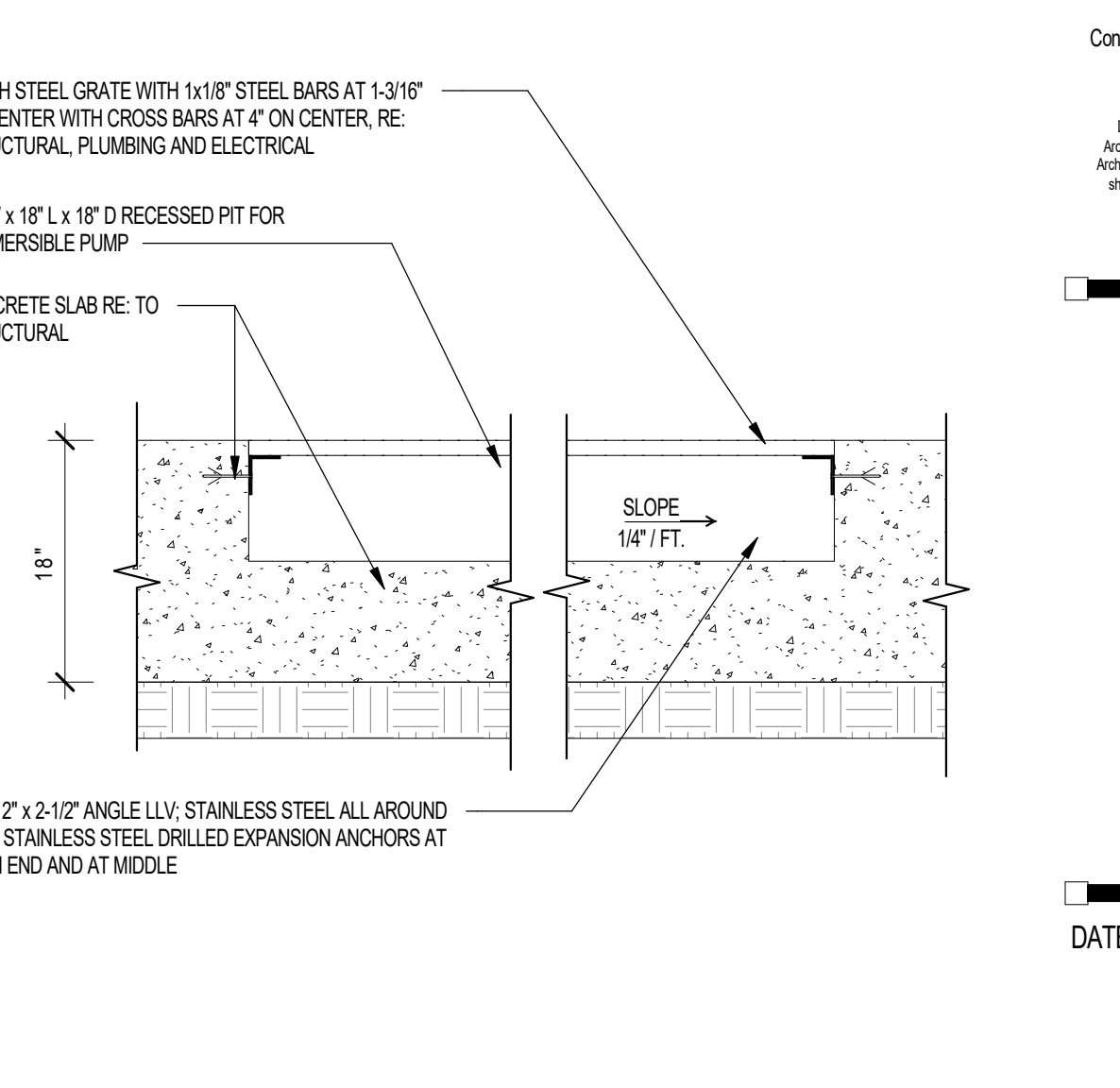
20 ELEVATOR - DOOR SILL AT BOTTOM LEVEL - WOOD FRAMED SHAFT
SCALE: 1 1/2" = 1'-0"



08 ELEVATOR PIT LADDER
SCALE: 3/4" = 1'-0"



07 ELEVATOR - DOOR SILL AT BOTTOM LEVEL
SCALE: 1 1/2" = 1'-0"



04 RECESSED PIT AT ELEVATOR
SCALE: 1" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

Office of Rich Barber
ORB Architecture, LLC
WorldHQ@ORBArch.com

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Notice of alternate billing (or payment) cycle
This contract allows the contractor to request the admission of billing or advance in billing upon written request. This contract shall also require the contractor to submit alternate billing schedule after certification and approval of billing and advance. A further description of what the billing cycle applies to the project is available from the owner or the contractor's design agent.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

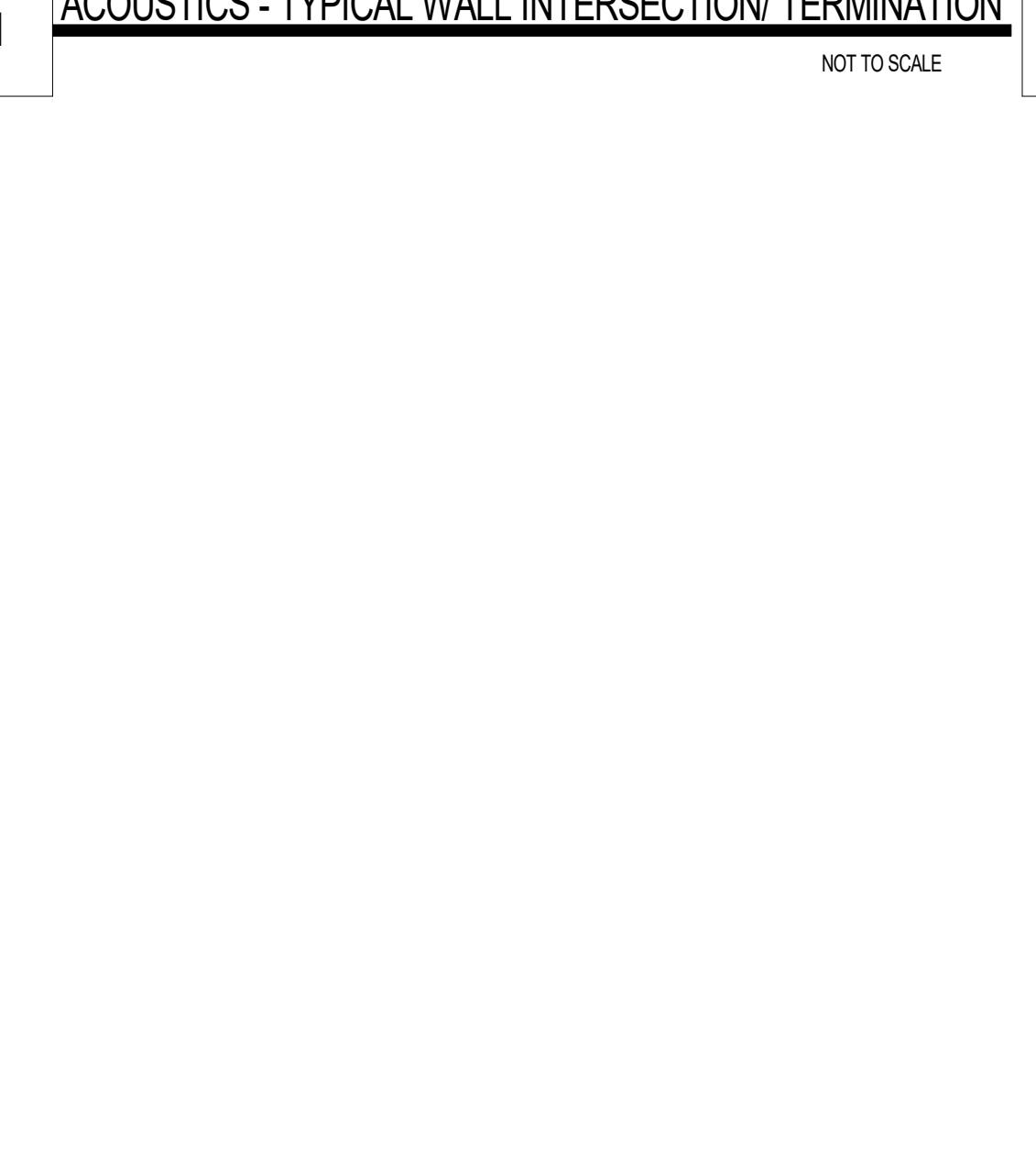
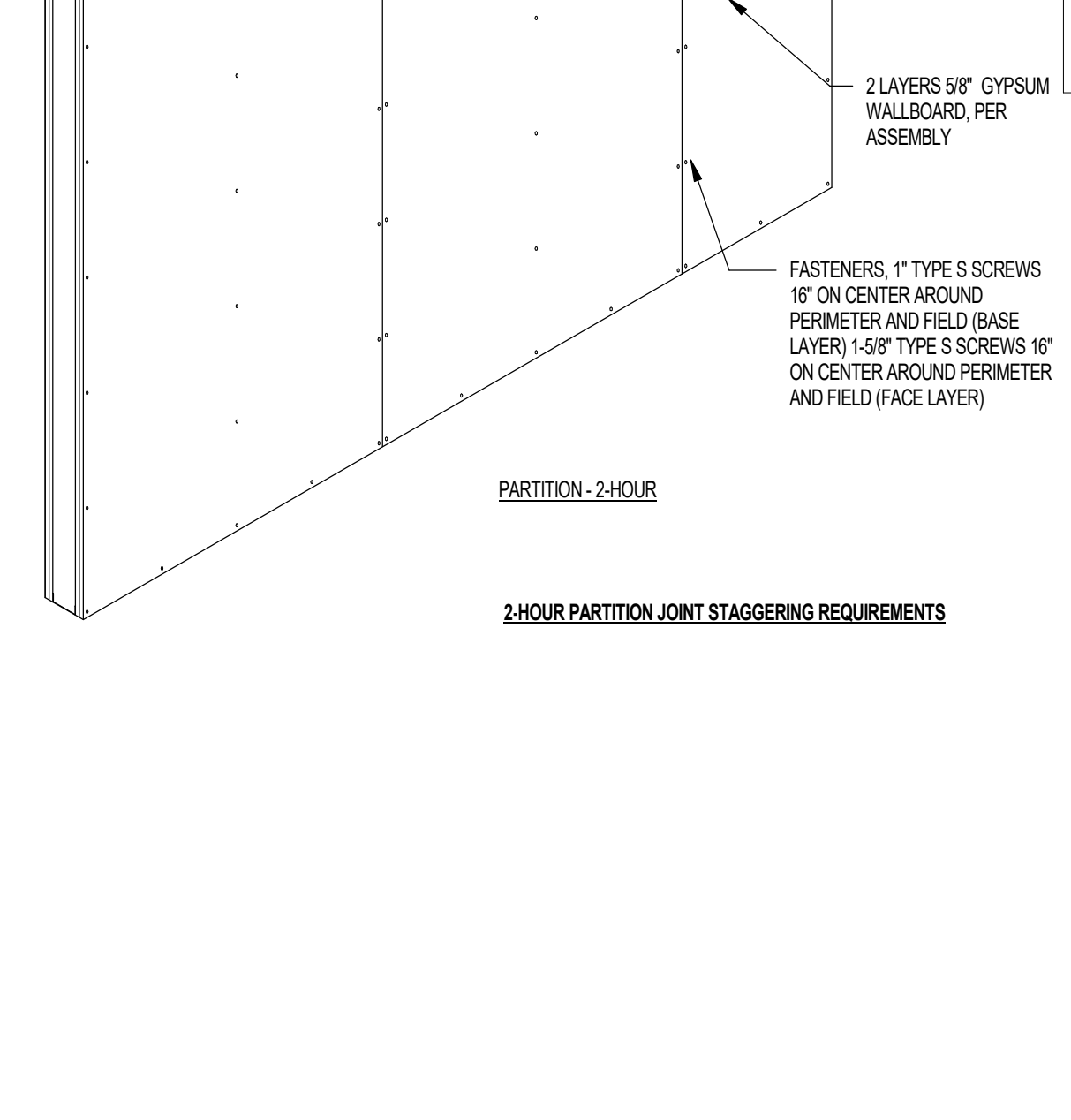
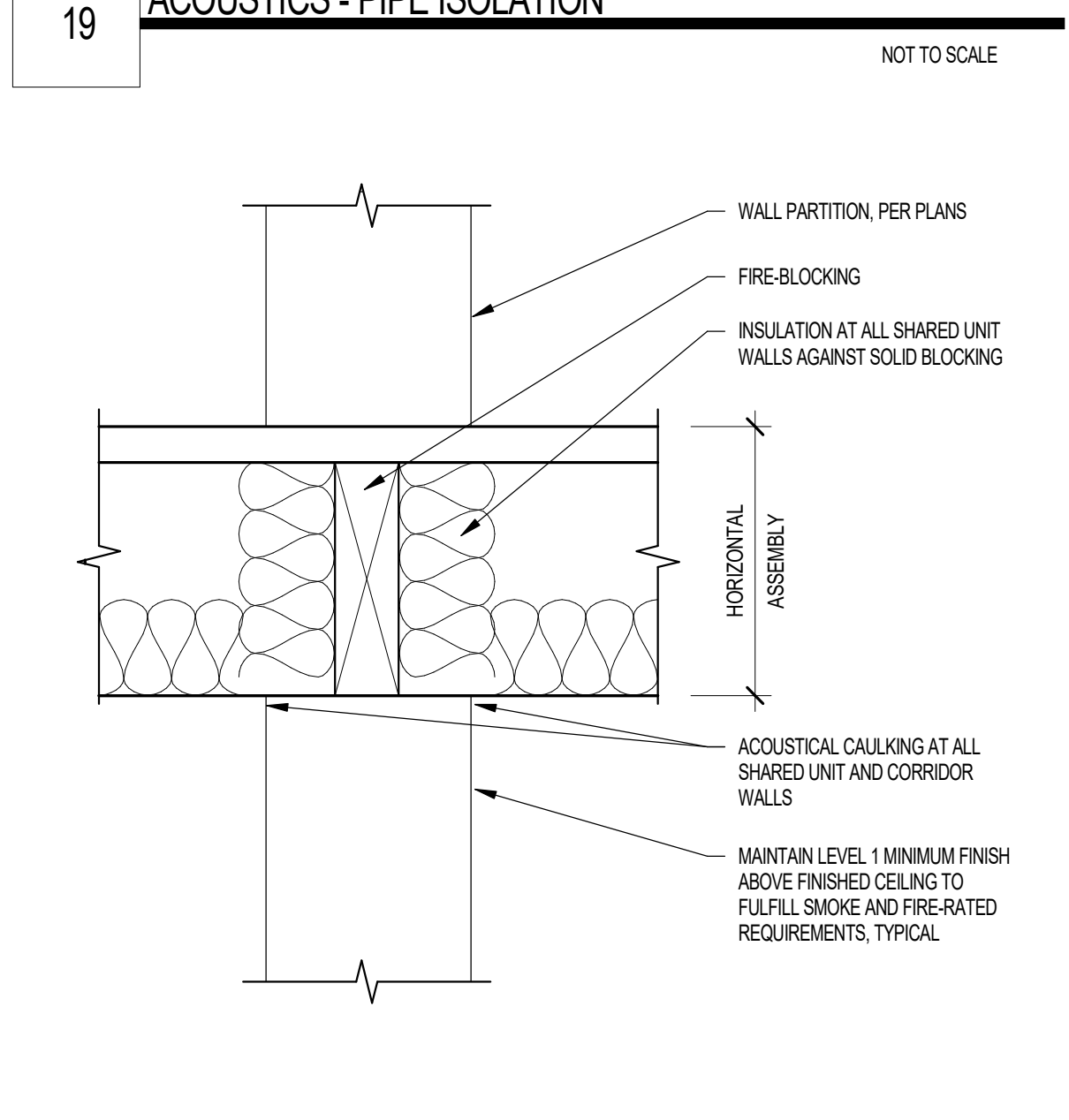
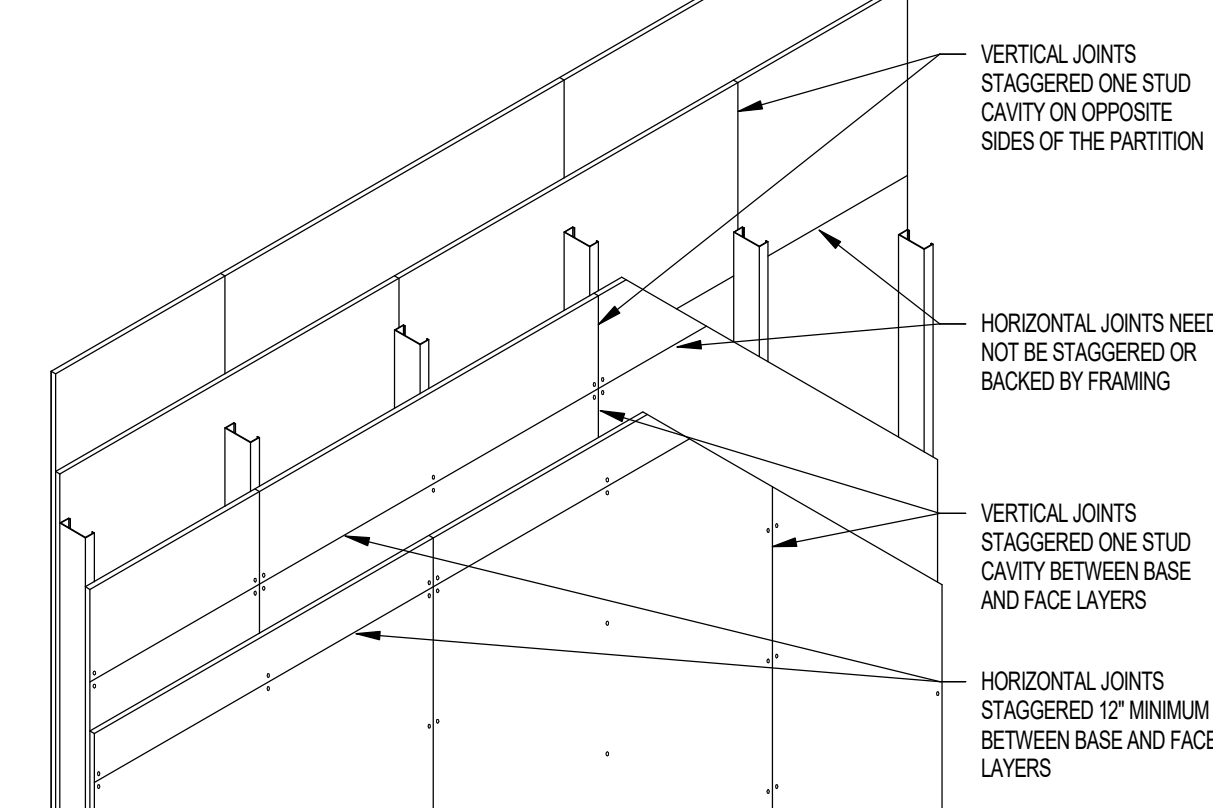
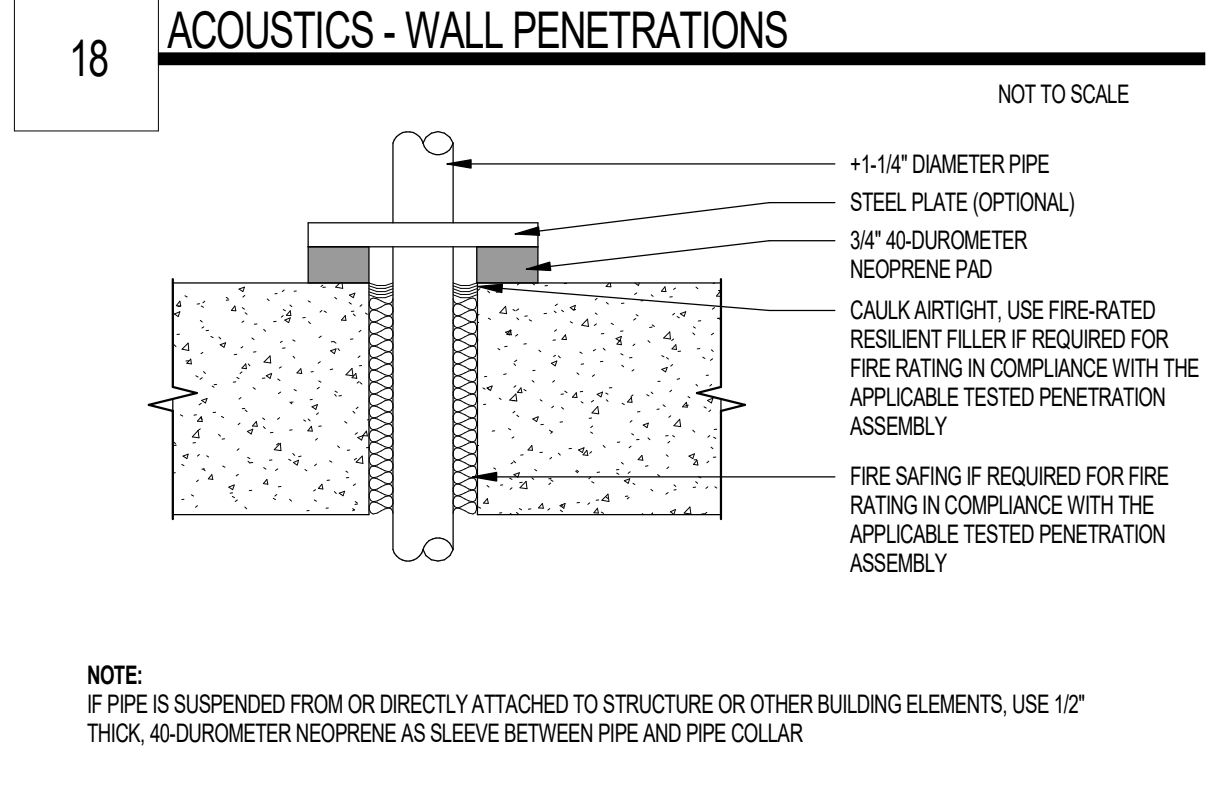
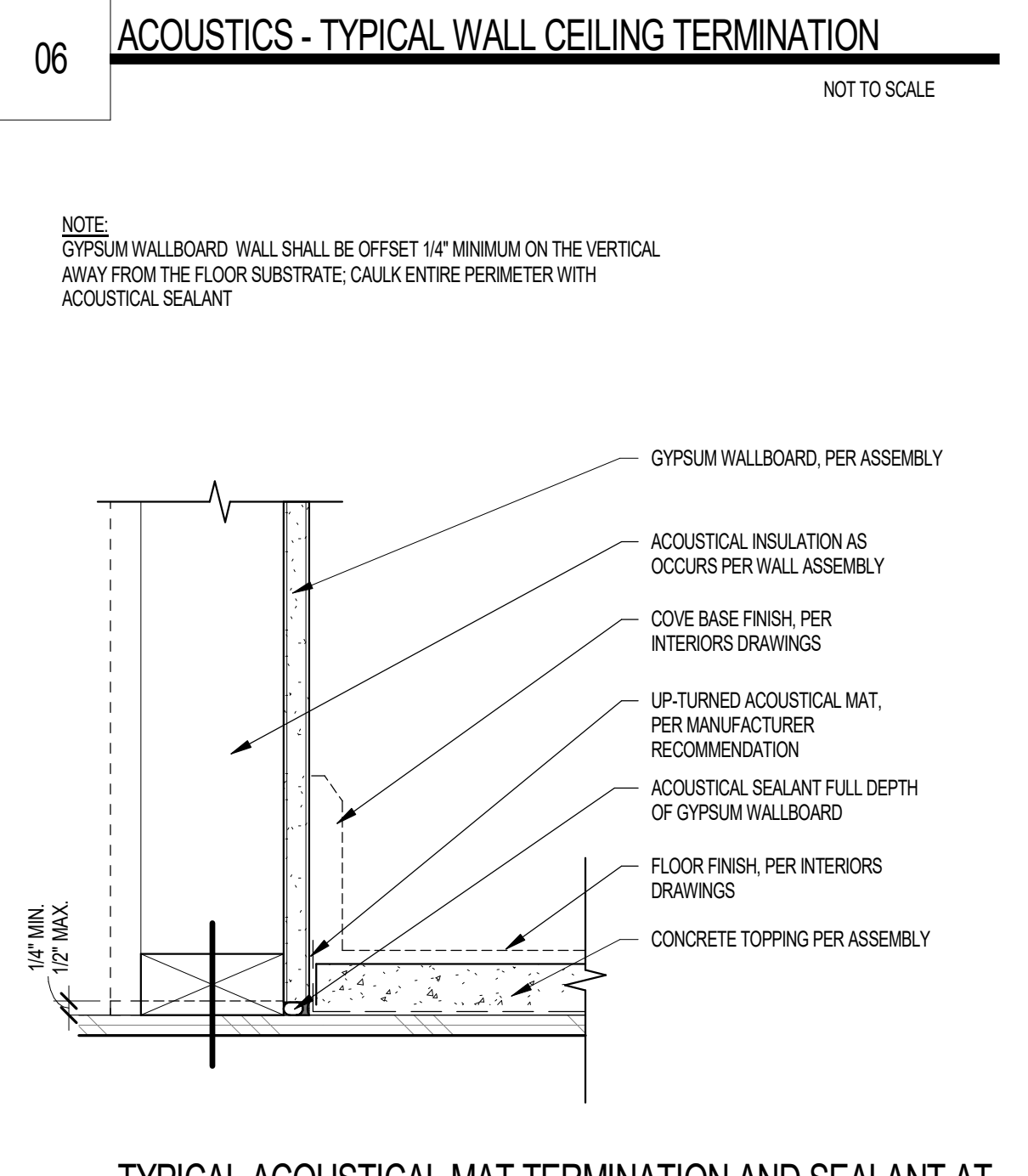
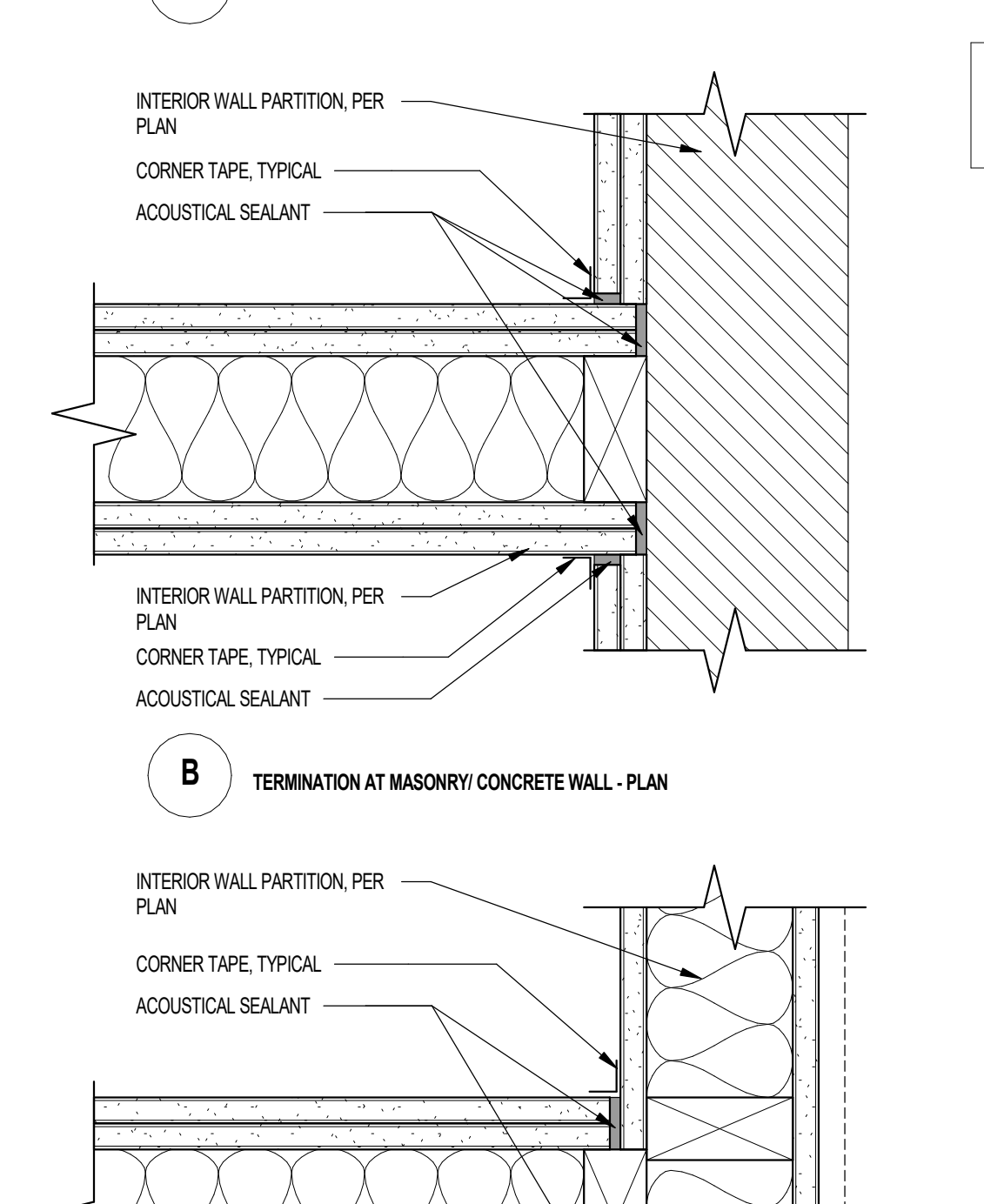
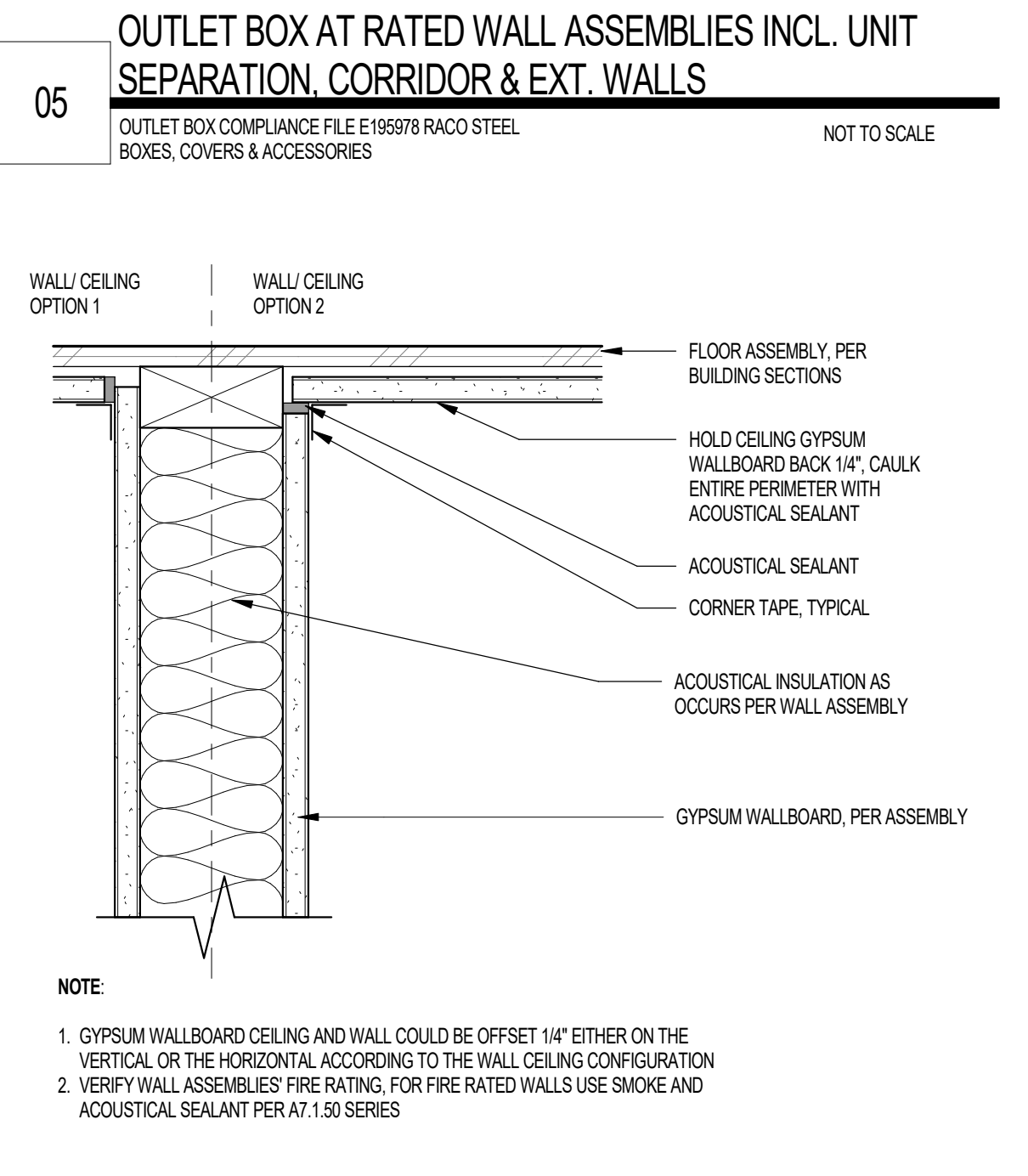
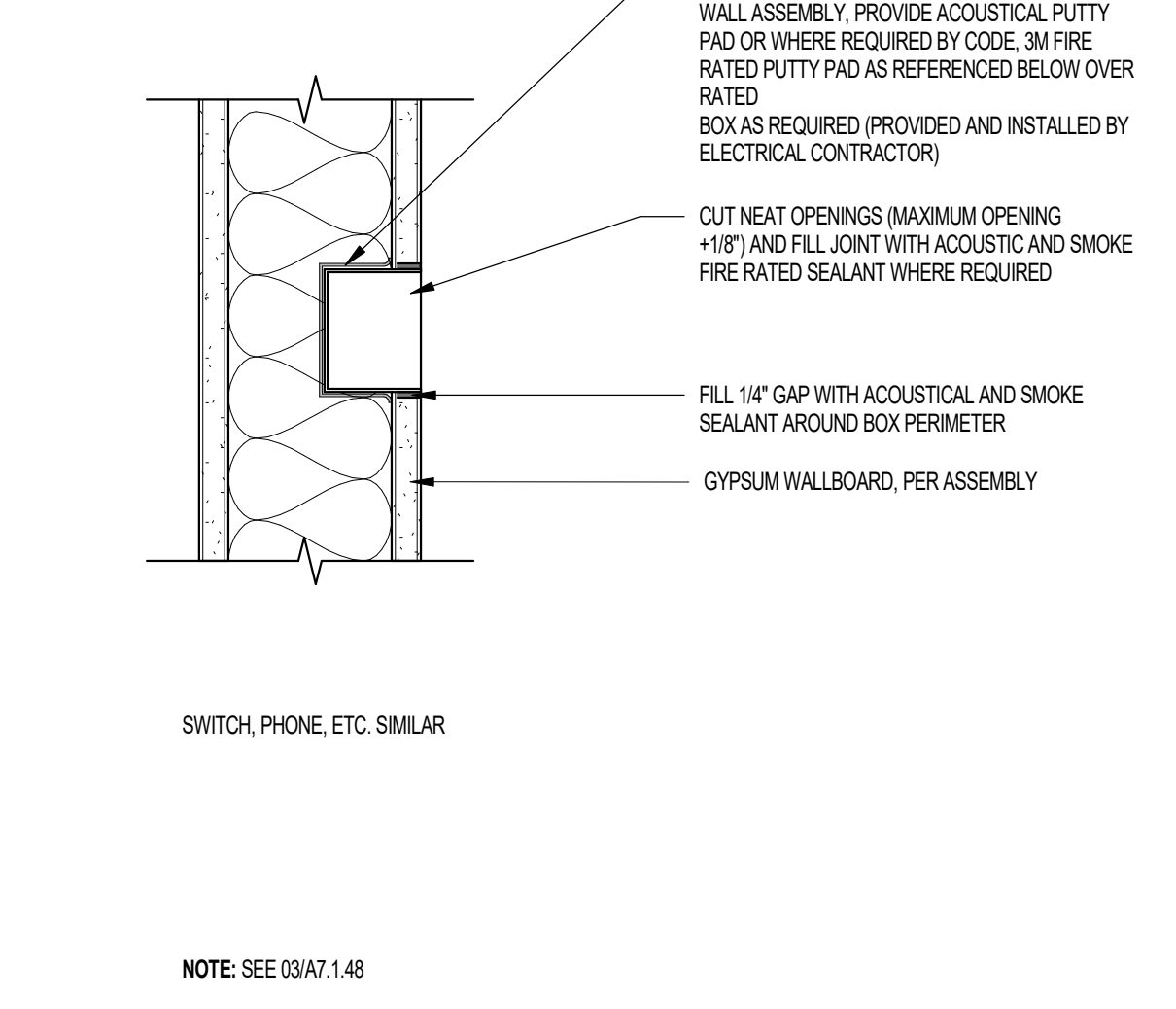
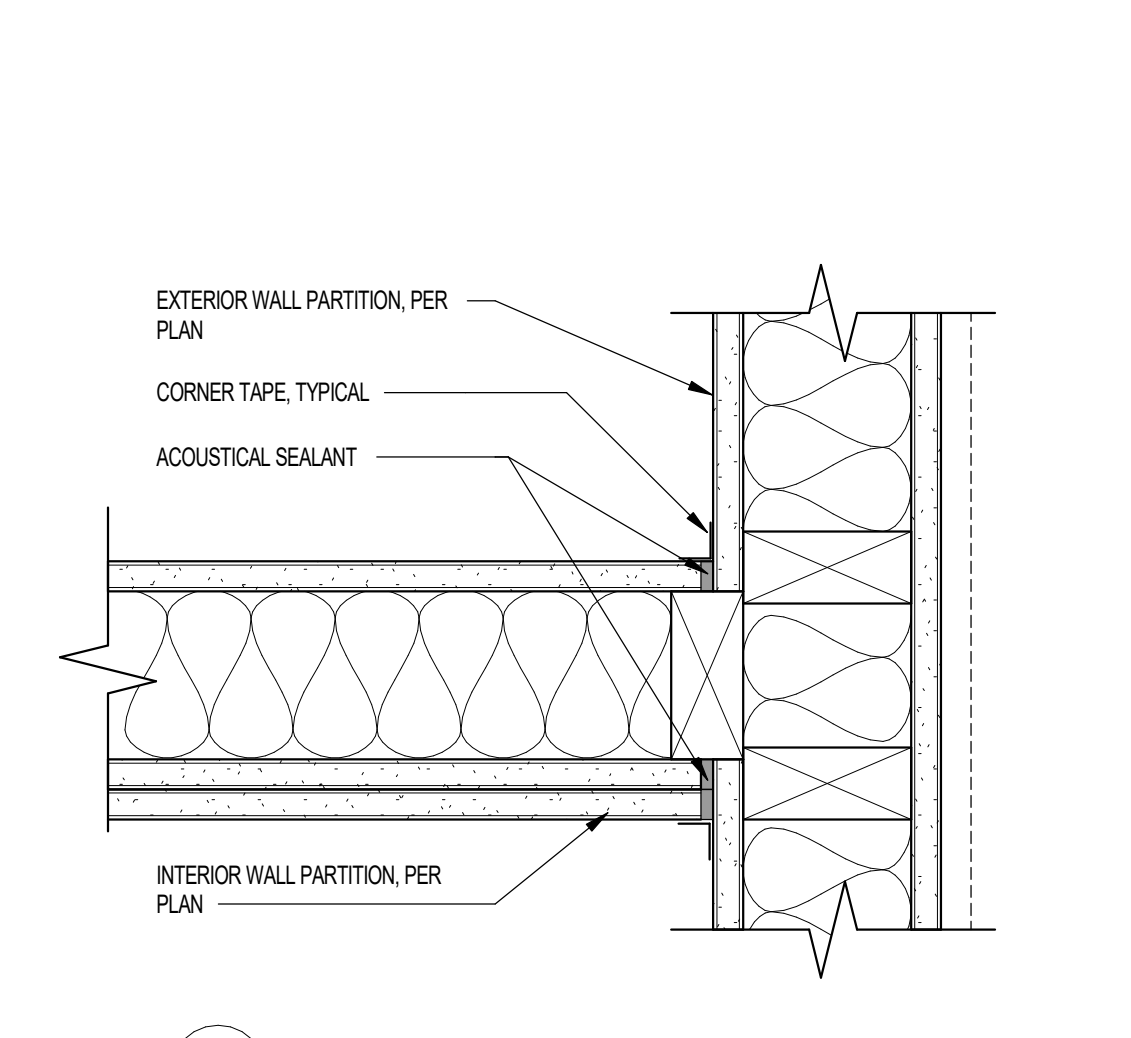
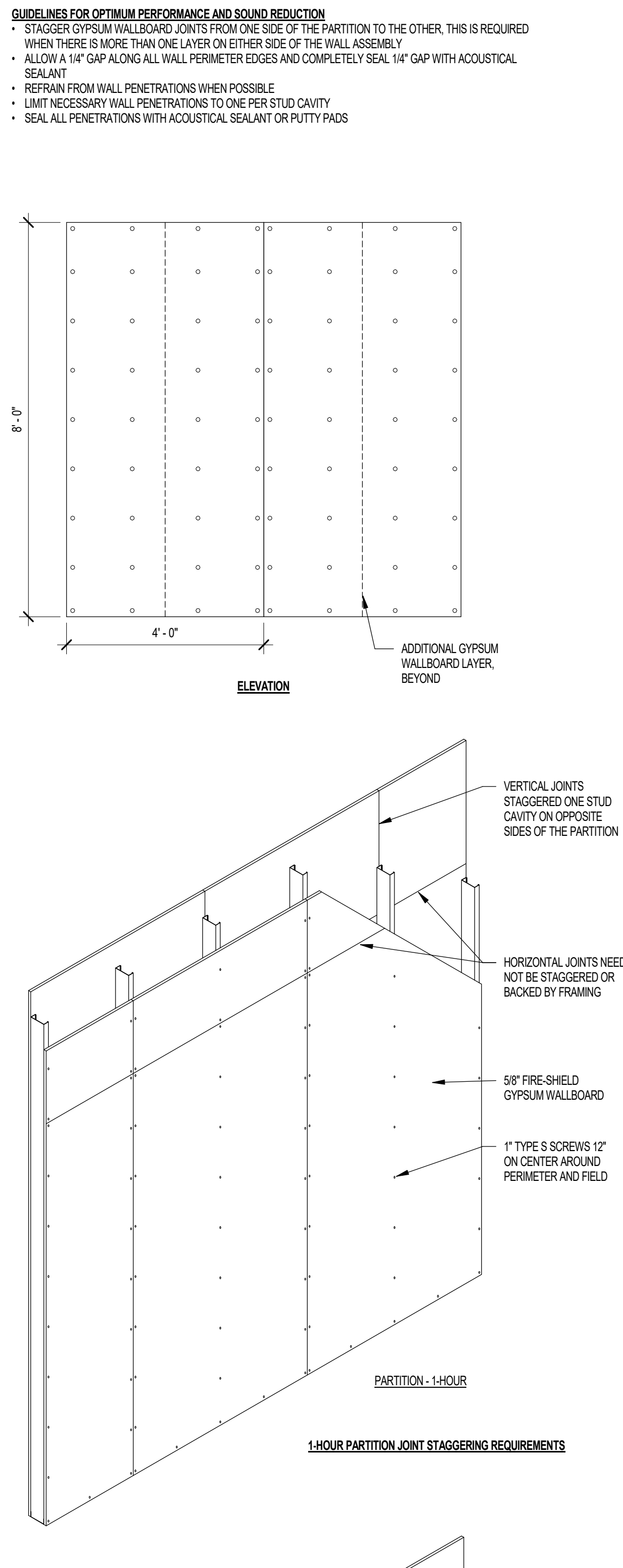
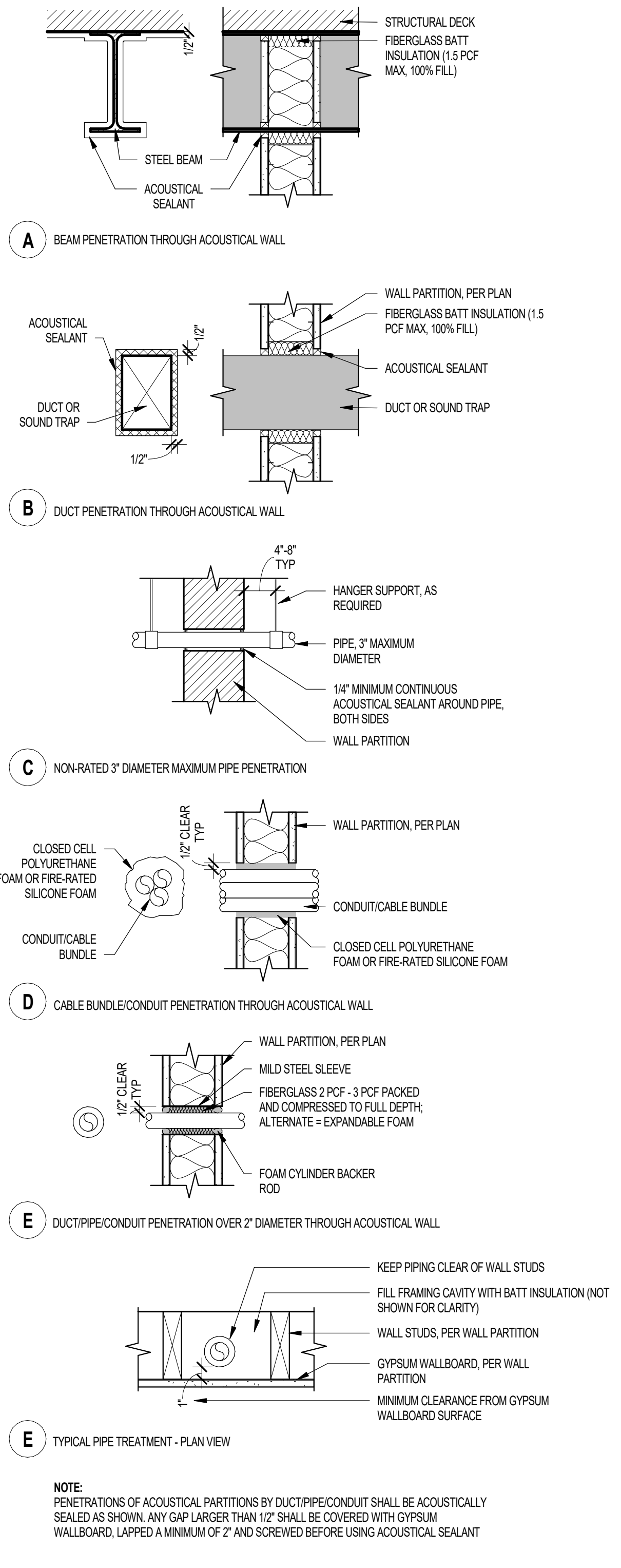
Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect unless the project is altered. They are made available for use on these drawings and specifications shall not be used for any other projects. In addition to the project it is for completion of this project by these drawings and specifications is the responsibility of the Architect.

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REVISIONS / SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A7.9.20
ELEVATOR & TRASH CHUTE
DETAILS



- ACOUSTICAL GENERAL NOTES**
- UNLESS OTHERWISE NOTED, ANY SOUND-RATED PARTITION MUST EXTEND TO STRUCTURE AND BE SEALED TO IT (SEE ITEM 2).
 - PARTITIONS MUST BE SEALED AT TOP, SIDES AND BASE WITH CAULKING.
 - WHERE CAULKING IS CALLED FOR, USE SILICONE-BASED, NON-HARDENING COMPOUNDS.
 - ELECTRICAL OR OTHER OUTLET BOXES MUST NOT BE INSTALLED BACK-TO-BACK. SEPARATE BY AT LEAST ONE STUD SPACE.
 - OUTLET BOXES MUST BE CALKED ALL AROUND. HOLES IN BOXES MUST ALSO BE CALKED.
 - PENETRATIONS OF SOUND-RATED PARTITIONS (I.E. DUCTWORK, CONDUIT, OR PLUMBING) MUST BE SEALED WITH CAULKING (SEE ITEM 2).
 - PIPE CONDUIT OR DUCTWORK PLANS WITHIN OR PENETRATION THROUGH A DOUBLE-STUDDED PARTITION MUST NOT TIE THE TWO SETS TOGETHER. ANY INTERCONNECTING ELEMENTS MUST BE VIBRATION-ISOLATED, EITHER BY MEANS OF A FLEXIBLE CONNECTION, OR BY PACKING AROUND THE PENETRATION ON ONE SIDE WITH SPONGE NEOPRENE OR GLASS FIBER INSULATION THAT NO CONTACT BE MADE WITH THE WALL SURFACE BEFORE CAULKING.
 - ADDITIONAL VIBRATION ISOLATION MAY BE REQUIRED FOR PLUMBING AS CALLED FOR IN THE PLUMBING SPECIFICATIONS.
 - CALL PARTITIONS MUST BE CONSTRUCTED FROM DENSE AGGREGATE UNITS WITH THE CORE SPACES FILLED WITH GROUT. SEAL ALL EXPOSED SURFACES OF CMU WITH TWO GENEROUS COATS OF PAINT ON DOUBLE-WALL PARTITIONS. INNER SURFACES SHOULD NOT BE SEALED.
 - WHERE A DAMPING PARTITION ADJUTS A CONTINUOUS PARTITION (E.G. A PARTY WALL BETWEEN UNITS ABUTTING A CORRIDOR WALL), THE GYPSUM WALLBOARD SURFACE ALONG THE CONTINUOUS PARTITION MUST BE BROKEN AT THE JOINT OF THE INTERSECTION TO PREVENT FLUTTER SOUND TRANSMISSION. A SHIP CUT IS GENERALLY A SUFFICIENT BREAK.
 - WHERE TWO OR MORE LAYERS OF GYPSUM WALLBOARD ARE USED, DO NOT CEMENT GYPSUM WALLBOARD LAYERS TO BOTTOM LAYER. USE NAILS OR SCREWS, STAGGER BOARD JOINTS.
 - UNLESS OTHERWISE NOTED, INSULATION SHALL BE DESIGNATED SOUND CONTROL, AND THICKNESS SHALL BE PER INSULATION TABLE. SECURE INSULATION TO PREVENT SAGGING.
 - GYPSUM WALLBOARD SHALL BE TYPE X, UNLESS OTHERWISE STATED IN ASSEMBLIES.
 - REFERENCE ASTM C919-08 STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS.

- PLUMBING**
- PLUMBING SERVING BATHROOMS AND KITCHENS MUST BE SUPPORTED ONLY ON THE SIDE OF THE DOUBLE-STUD DAMPING WALLS OF THE UNIT SERVED BY THE PIPING, AND MUST NOT CROSS OVER THE GAP BETWEEN THE DOUBLE STUDS WITH CONNECTION TO THE OTHER SIDE OF THE FRAMING. THE STUD CAVITY SHOULD BE FILLED WITH BATT INSULATION.
 - ALL PLUMBING IN RESIDENTIAL SPACES SHOULD BE ISOLATED FROM THE STRUCTURE WITH NO DIRECT CONTACT BETWEEN PIPING (SUPPLY AND WASTE) AND GYPSUM WALLBOARD, FRAMING, OR FLOOR SLABS. SUPPLY AND WASTE LINES PASSING THROUGH OCCUPIED SPACES IN A RESIDENTIAL UNIT SHOULD BE CONNECTED TO STUDS USING A RESILIENT MATERIAL BETWEEN THE PIPING AND THE STUDS. THIS RECOMMENDATION IS PARTICULARLY APPLICABLE TO WALLS ADJACENT TO BEDROOMS. A VARIETY OF PRE-MANUFACTURED PIPING ISOLATORS ARE COMMERCIALY AVAILABLE FROM THE HOLIDITE COMPANY, OR OWNER APPROVED EQUAL. THE PREFERRED MATERIAL FOR WASTE LINES IS CAST IRON TO MINIMIZE SOUND LEVELS OF WASTE FLOW IN RESIDENTIAL UNITS. THE NOISE FROM PROPOSED ABS LINES CAN BE REDUCED BY WRAPPING THE PIPES WITH A SOUND-ISOLATING JACKET, SUCH AS KINETICS IWM PRODUCTS, WITH THE UNDERSTANDING THAT IT WILL NOT ISOLATE PLUMBING NOISE AS WELL AS CAST IRON. ALLOW SUFFICIENT WALL THICKNESS TO ENSURE THAT WASTE LINES CAN BE INSTALLED WITHOUT CONTACTING EITHER WALL SURFACE.
 - PIPING RISERS RUNNING BETWEEN FLOORS SHOULD NOT DIRECTLY CONTACT FRAMED OR SLAB FLOOR ASSEMBLIES. THE FLOOR PENETRATION SHOULD BE OVERSIZED, WITH ANY GAP BETWEEN THE RISER PIPING AND FLOOR FILLED WITH MINERAL WOOL AND CALKED AIRTIGHT ON BOTH SIDES OF THE PENETRATION, OR SEALED AIRTIGHT WITH RESILIENT FIRESTOPPING MATERIAL. PROVIDE SLEEVES AT PENETRATIONS IN FRAMED FLOORS OR SLABS TO ENCLOSE THE PIPING WITHIN THE PENETRATION, AND FILL THE GAP BETWEEN THE SLEEVE AND THE PIPE AS ABOVE. THIS RECOMMENDATION IS STRICTLY FOR ACOUSTICAL PURPOSES AND MUST BE REVIEWED FOR COMPLIANCE WITH APPLICABLE BUILDING CODES.
 - CLAMPS FOR FLOOR RISERS SHOULD BE ISOLATED FROM THE STRUCTURE WITH NEOPRENE PADS. TO AVOID OVERCOMPRESSING THE NEOPRENE, PROVIDE LOAD-SPREADING STEEL PLATE ON THE UPPER SIDE OF THE NEOPRENE PADS.

Project Name 1
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Notice of alternate billing (or payment) cycle

This contract allows (they allow) the owner to require the submission of billing or alternate billing cycle after the project is complete. This contract shall be void if the owner does not provide an alternate schedule after certification and approval of billing and estimates. A written notification of such alternate billing cycle applies to the project or schedule from the time of the owner's designation of a cycle.

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER

and the owner or its design agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

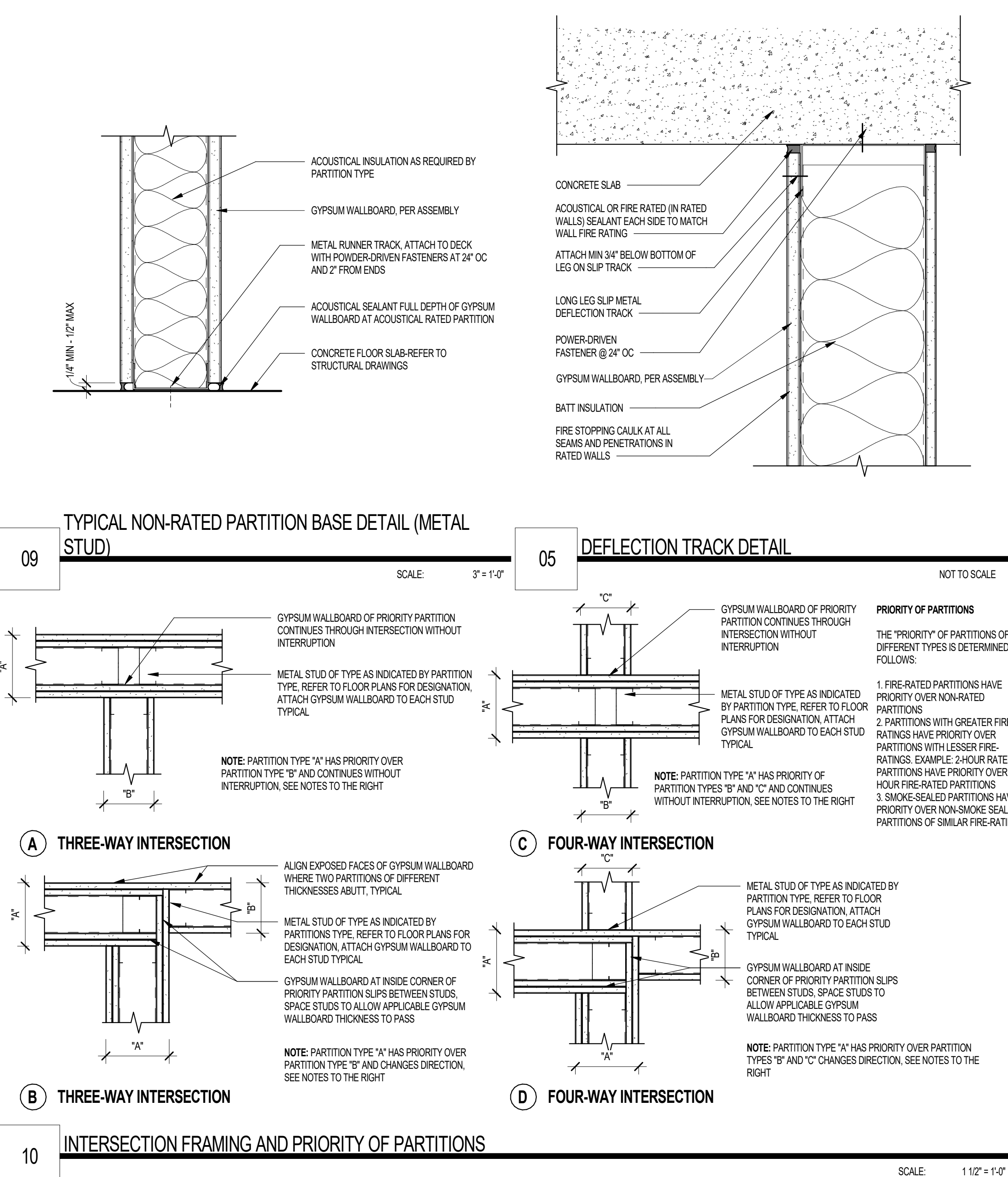
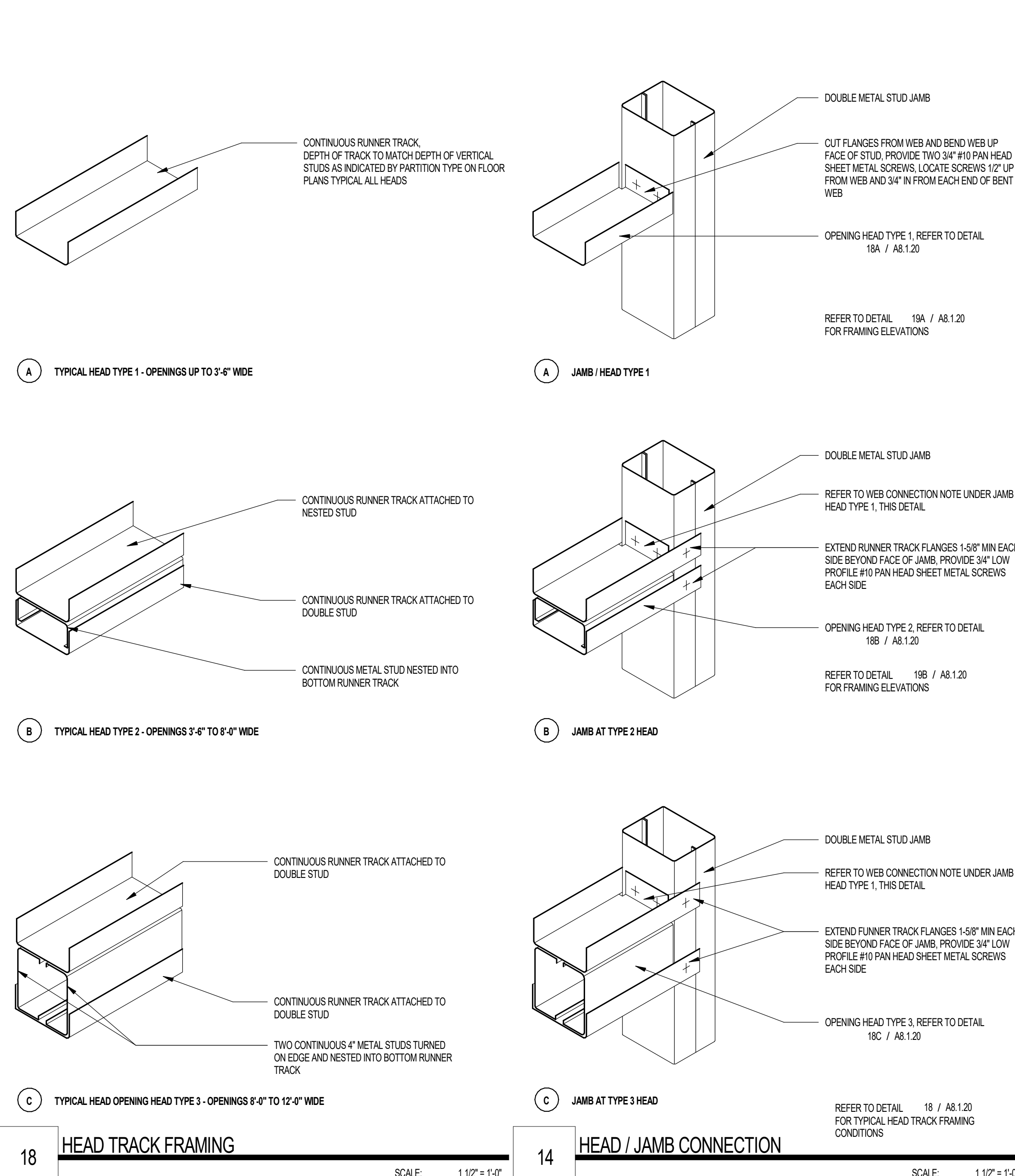
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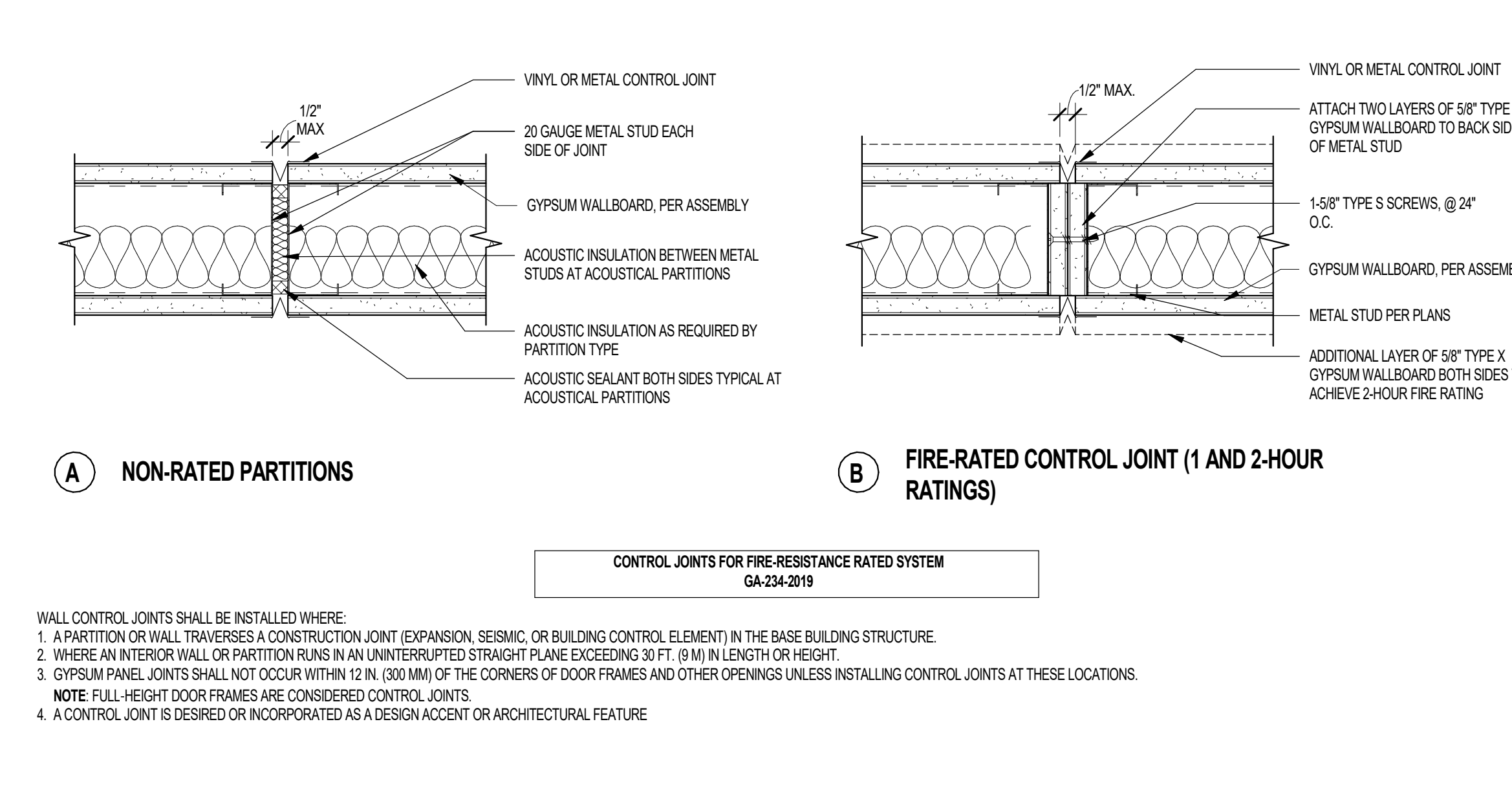
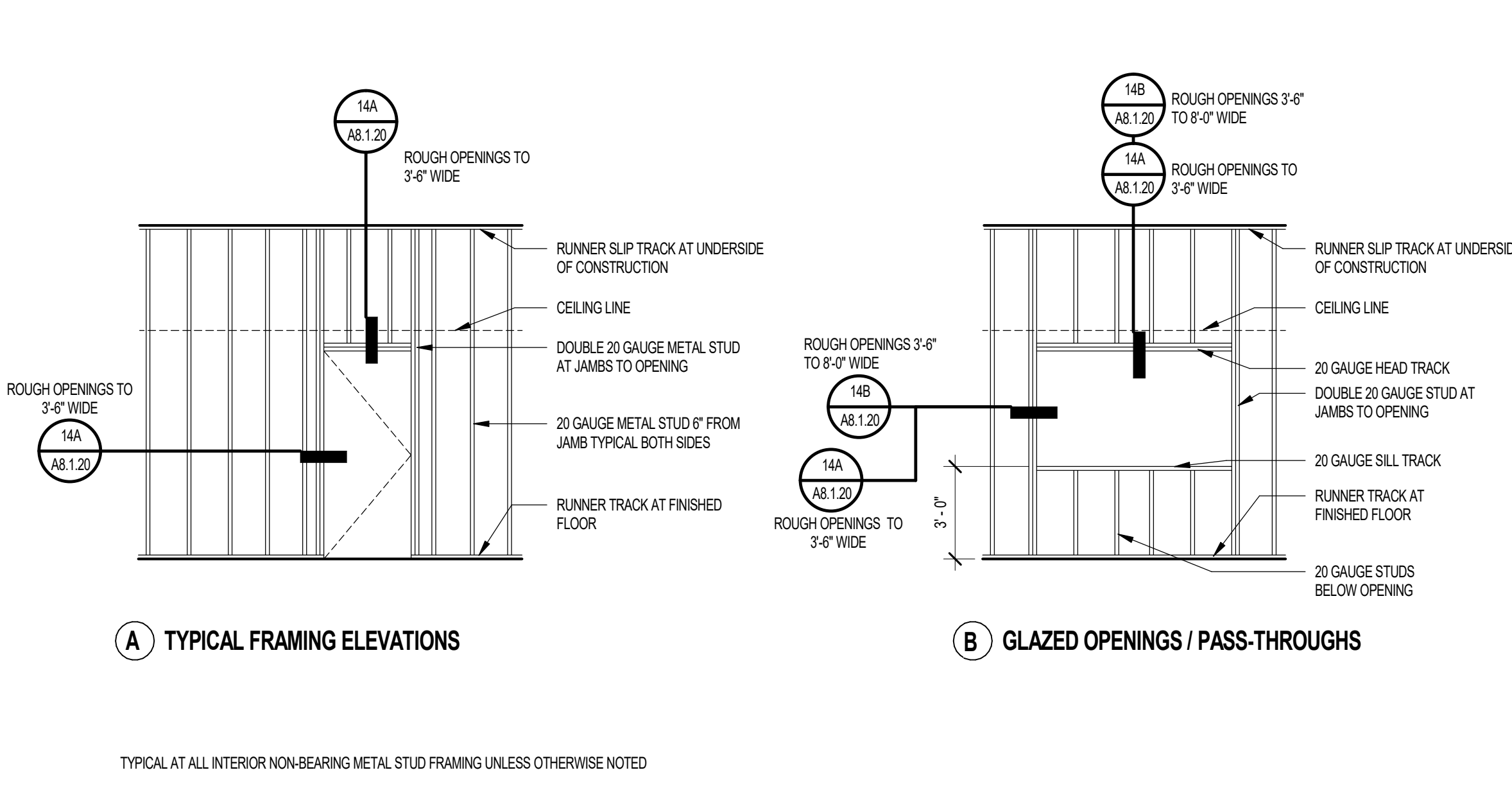
REVISION/SUBMITTALS	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A8.1.10
ACOUSTICAL DETAILS WOOD FRAMING

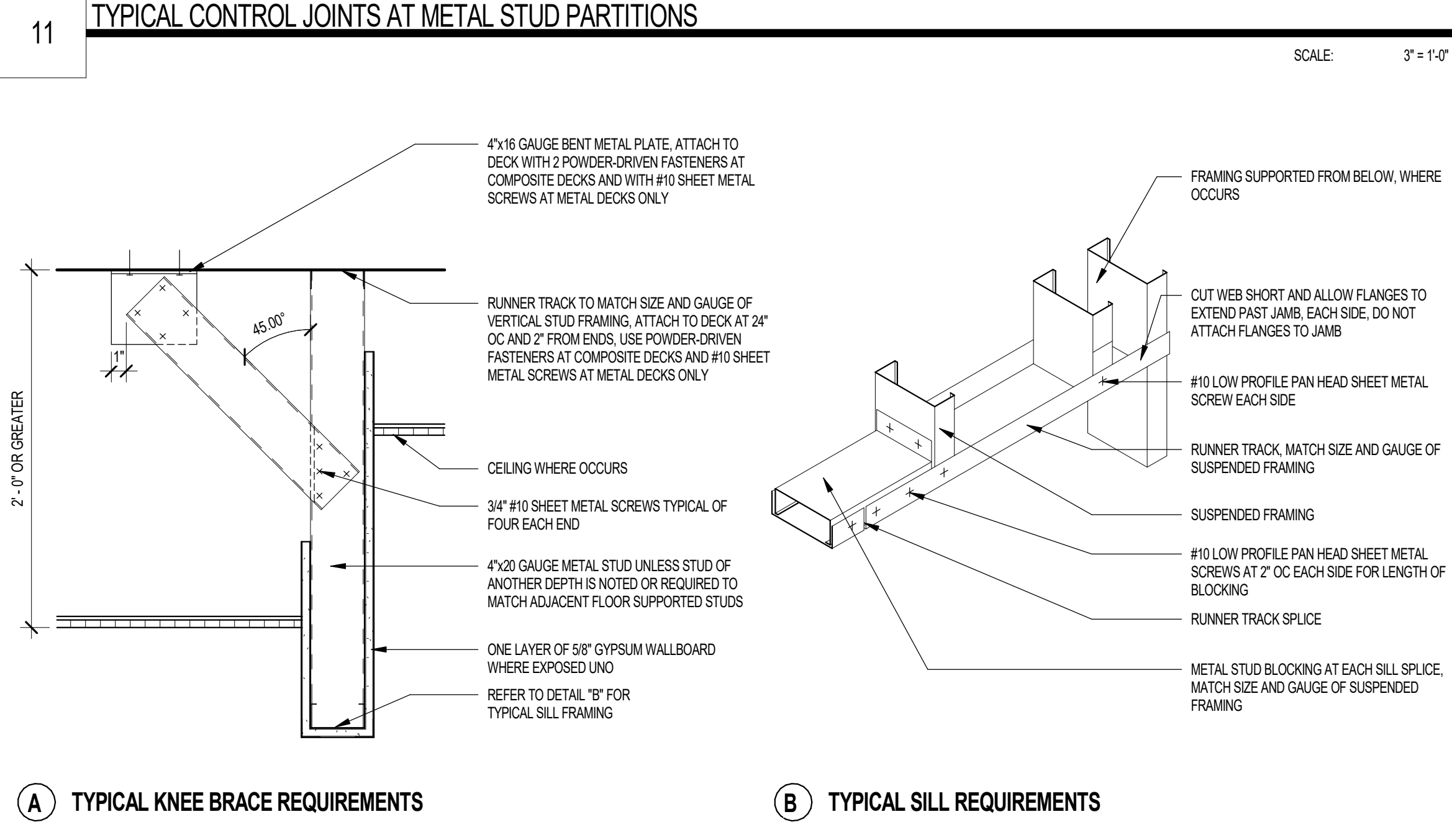
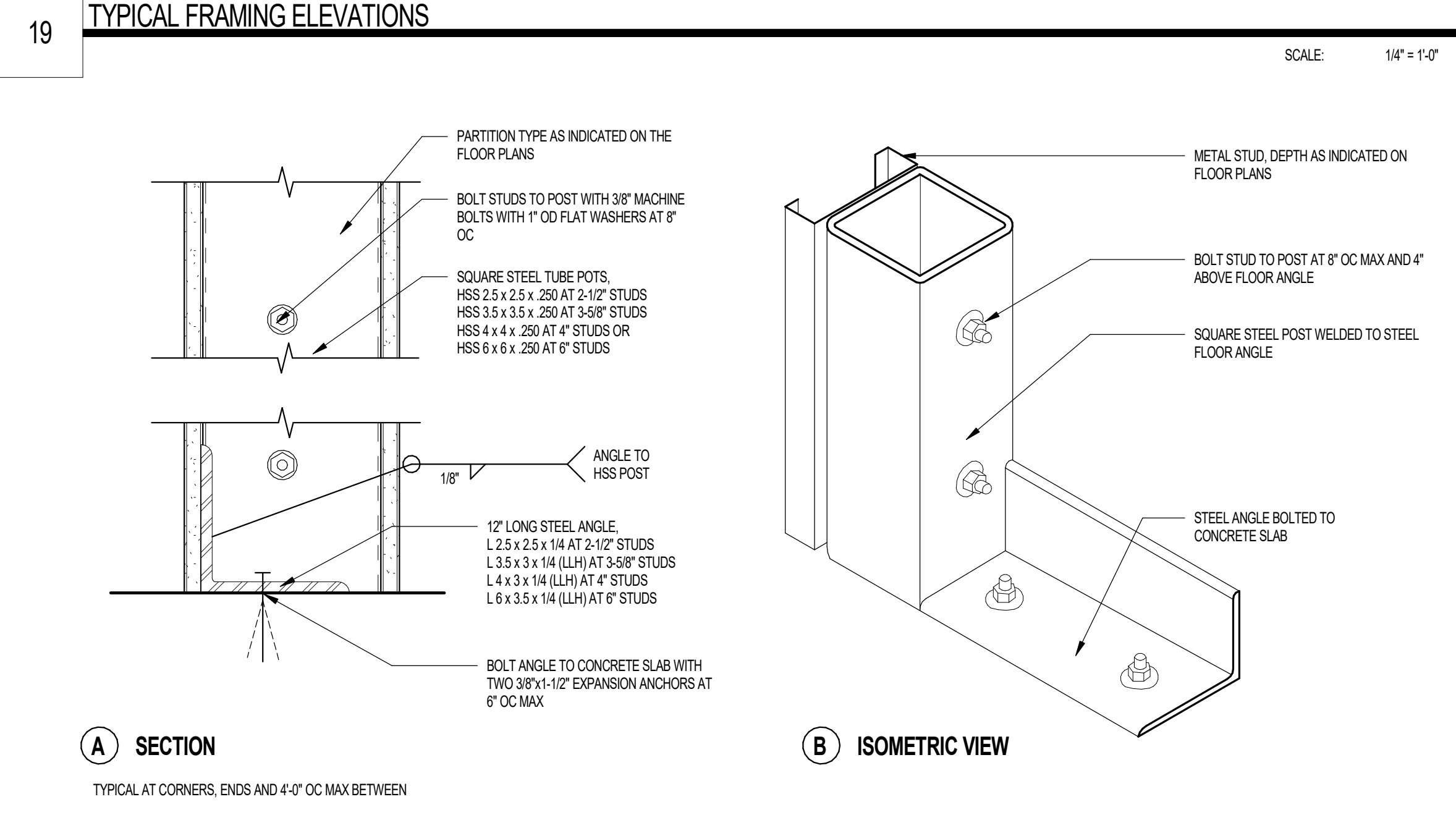


PARTITION NOTES	FRAMING NOTES
A. PARTITIONS ARE DIMENSIONED TO THE CENTER OF PARTITION UNLESS OTHERWISE NOTED AS FOM FACE OF WALL. FINISH IS DIMENSIONED TO THE FINISHED FACE OF FURRED WALL.	A. EXISTING FLOOR/CEILING DECK OF THIS BUILDING IS A POST-TENSIONED CONCRETE SLAB. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE LOCATIONS OF ALL PENETRATIONS AND ATTACHMENTS DO NOT CONFLICT WITH THE SLAB TENDONS. A RAY OF THE SLAB MAY BE REQUIRED.
B. PARTITION TYPE INDICATORS ARE INDEPENDENT OF APPLIED FINISHES. SEE FINISH SCHEDULE AND/OR THE DESIGNATIONS ON THE PLANS FOR ADDITIONAL INFORMATION REGARDING APPLIED FINISHES.	B. ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING EXCEEDING 8 FEET HEIGHT SHALL RESIST A HORIZONTAL LOAD OF NOT LESS THAN 5 PSF, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
C. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITION, ETC., CONSTRUCTION ABOVE INTERRUPTION (AND WHERE APPLICABLE BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH THE INTERRUPTION OCCURRED.	C. GAUGE THICKNESS DESIGNATION IS BASED ON THE FOLLOWING MIL THICKNESS FOR INTERIOR NON-LOAD-BEARING PARTITION FRAMING: ALL SHALL RESIST THE STEEL STUD MANUFACTURERS ASSOCIATION (SMA).
D. THE MINIMUM REQUIREMENTS FOR CONSTRUCTION OF EACH PARTITION TYPE AS EXPRESSED BY THE INDICATED FIRE RATINGS REFERENCE ARE INCORPORATED BY REFERENCE AND ARE APPLICABLE TO THE WORK OF THIS PROJECT. HOWEVER, ADDITIONAL AND/OR MORE RESTRICTIVE REQUIREMENTS MAY BE INDICATED BY THE SPECIFICATIONS AND DRAWINGS. SUCH REQUIREMENTS ALSO APPLY AND SHALL GOVERN. SUCH REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO:	D. ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING SHALL BE 25 GAUGE INSTALLED AT 16" ON CENTER UNLESS OTHERWISE NOTED.
1. USE 5/8" THICK GYPSUM WALLBOARD THROUGHOUT	E. ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/240, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
2. USE 1/2" ON CENTER MAXIMUM STUD SPACING UNLESS OTHERWISE NOTED. THE SPACING STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MAXIMUM SPACING.	F. WHERE AN ADDITIONAL INTERIOR WALL FINISH IS APPLIED TO THE BASE PARTITION (SUCH AS TILE, VENEER, WOOD PANELING, OR SIMILAR), ALL INTERIOR NON-LOAD-BEARING METAL WALL FRAMING SHALL BE INSTALLED WITH A DEFLECTION CRITERIA OF L/300, UNLESS OTHERWISE NOTED OR REQUIRED BY THE SPECIFICATIONS.
3. USE STUDS OF GAUGE INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS. THE GAUGE STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM GAUGE.	G. LIMITING HEIGHTS OF INTERIOR NON-LOAD-BEARING FRAMING SHALL BE PER THE MANUFACTURERS SPAN TABLES BASED ON THE FOLLOWING CRITERIA OUTLINED IN THIS SET OF DRAWINGS AND THE PROJECT MANUAL: HORIZONTAL LOADING, STUD DEPTH, STUD SPACING, AND DEFLECTION CRITERIA.
4. USE STUDS OF DEPTH INDICATED BY THE DRAWINGS. THE DEPTH STATED BY THE REFERENCED APPROVAL OR TEST REPORT IS THE MINIMUM DEPTH.	H. PROVIDE 20 GAUGE (OR GREATER AS REQUIRED) METAL WALL FRAMING AT THE FOLLOWING LOCATIONS: 1. DOUBLE STUD JAMB ASSEMBLIES AT OPENINGS. 2. FIRST STUD IN THE PARTITION BEYOND THE DOUBLE STUD JAMB ASSEMBLY. LOCATE STUD 16" FROM DOUBLE STUD ASSEMBLY. 3. STUDS TO WHICH GLASS-MAT BACKER WATER-RESISTANT BACKER BOARD, SPECIFIED IN SECTION 0930, ARE INSTALLED FOR WET AREAS. 4. STUDS TO WHICH ABUSE RESISTANT AND HIGH-IMPACT GYPSUM WALL PANELS ARE ATTACHED. 5. STUDS TO WHICH WALL MOUNTED EQUIPMENT, INCLUDING OWNER FURNISHED EQUIPMENT, IS INSTALLED. 6. STUD IN/LL AND SILL TRACK BELOW WINDOW OPENINGS. 7. STUDS INSTALLED FOR OPENING HEADS BETWEEN DOUBLE STUD JAMB ASSEMBLIES.
5. INSTALL ONE LAYER OF 5/8" TYPE X GLASS-MAT INTERIOR GYPSUM WALLBOARD (WHERE GYPSUM WALLBOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS: 1. WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITOR SINKS. 2. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH SCHEDULE. 3. INSTALL ONE LAYER OF 5/8" TYPE X GLASS-MAT, WATER-RESISTANT BACKING BOARD (L) OF GYPSUM WALLBOARD (WHERE GYPSUM WALLBOARD OCCURS) OF BASIC PARTITION AT THE FOLLOWING LOCATIONS: 1. AT WET LOCATIONS, SUCH AS SHOWER STALLS AND TUB SURROUNDINGS. 2. WHERE CERAMIC TILE FINISHES ARE INDICATED, REFER TO FINISH SCHEDULE, PLANS AND INTERIOR ELEVATIONS. 3. AT OTHER LOCATIONS AS INDICATED BY THE ARCHITECTURAL FINISH SCHEDULE.	



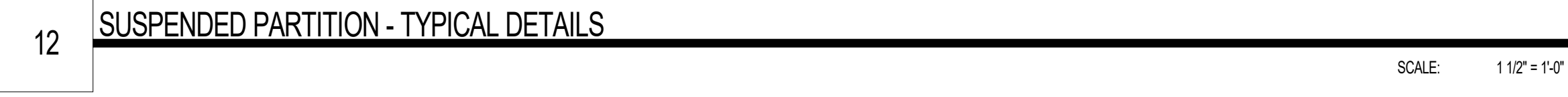
PROVIDE BACKING PLATES AS INDICATED ON THE DRAWINGS OR WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING SCHEDULE:

TYPE "A" BACKING PLATE	TYPE "B" BACKING PLATE
TYPE "A" BACKING PLATES: - AT DOOR STOPS AND BUMPER RAILS - AT TOILET ACCESSORIES, MIRRORS, COAT HOOKS, ETC. - AT ALL UPPER WALL HANG CABINETS - AT ALL FULL HEIGHT CABINETS - AT WALL MOUNTED ADJUSTABLE SHELVING - AT ALL WALL MOUNTED HANDRAILS	TYPE "B" BACKING PLATES: TYPE "B" BACKING PLATE SHALL SUPPORT THE SAME IT/606 AS TYPE "A" BACKING PLATE BUT USE WHERE APPEARANCE IS THE MAIN CONCERN SUCH AS LOBBIES AND OTHER HIGH DESIGN AREAS



03 TYPICAL BACKING PLATE SCHEDULE
NOT TO SCALE

BACKING NOTES:
1. BENDING STRESS IN A GRAB BAR INDUCED BY THE MAXIMUM BENDING MOMENT FROM THE APPLICATION OF 250 LB PER FT SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR.
2. SHEAR STRESS INDUCED IN A GRAB BAR BY THE APPLICATION OF 250 LB PER FT SHALL BE LESS THAN THE ALLOWABLE SHEAR STRESS FOR THE MATERIAL OF THE GRAB BAR. IF THE CONNECTION BETWEEN THE GRAB BAR AND ITS MOUNTING BRACKET OR OTHER SUPPORT IS CONSIDERED TO BE FULLY RESTRAINED, THEN DIRECT AND TORSIONAL SHEAR STRESSES SHALL BE TOTALLED FOR THE COMBINED SHEAR STRESS, WHICH SHALL NOT EXCEED THE ALLOWABLE SHEAR STRESS.
3. SHEAR FORCE INDUCED IN A FASTENER OR MOUNTING DEVICE FROM THE APPLICATION OF 250 LB PER FT SHALL BE LESS THAN THE ALLOWABLE LATERAL LOAD OF EITHER THE FASTENER OR MOUNTING DEVICE OR THE SUPPORTING STRUCTURE, WHICHEVER IS THE SMALLER ALLOWABLE LOAD.
4. TENSILE FORCE INDUCED IN A FASTENER BY A DIRECT TENSION FORCE OF 250 LB PER FT SHALL BE LESS THAN THE ALLOWABLE WITHWINDAL LOAD BETWEEN THE FASTENER AND THE SUPPORTING STRUCTURE.
5. GRAB BARS SHALL NOT ROTATE WITH THEIR FITTINGS.



Project Name 1
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Notice of alternate billing (or payment) cycle
The contract allows billing to occur in 15 day increments. The contractor shall be responsible for the payment of all bills in accordance with the terms of the contract. The contractor shall be responsible for the payment of all bills in accordance with the terms of the contract. A notice of alternate billing schedule after certification and approval of billing and collection. A notice of alternate billing schedule after certification and approval of billing and collection. A notice of alternate billing schedule after certification and approval of billing and collection. A notice of alternate billing schedule after certification and approval of billing and collection.

Contractor must verify all dimensions of project before proceeding with this work.

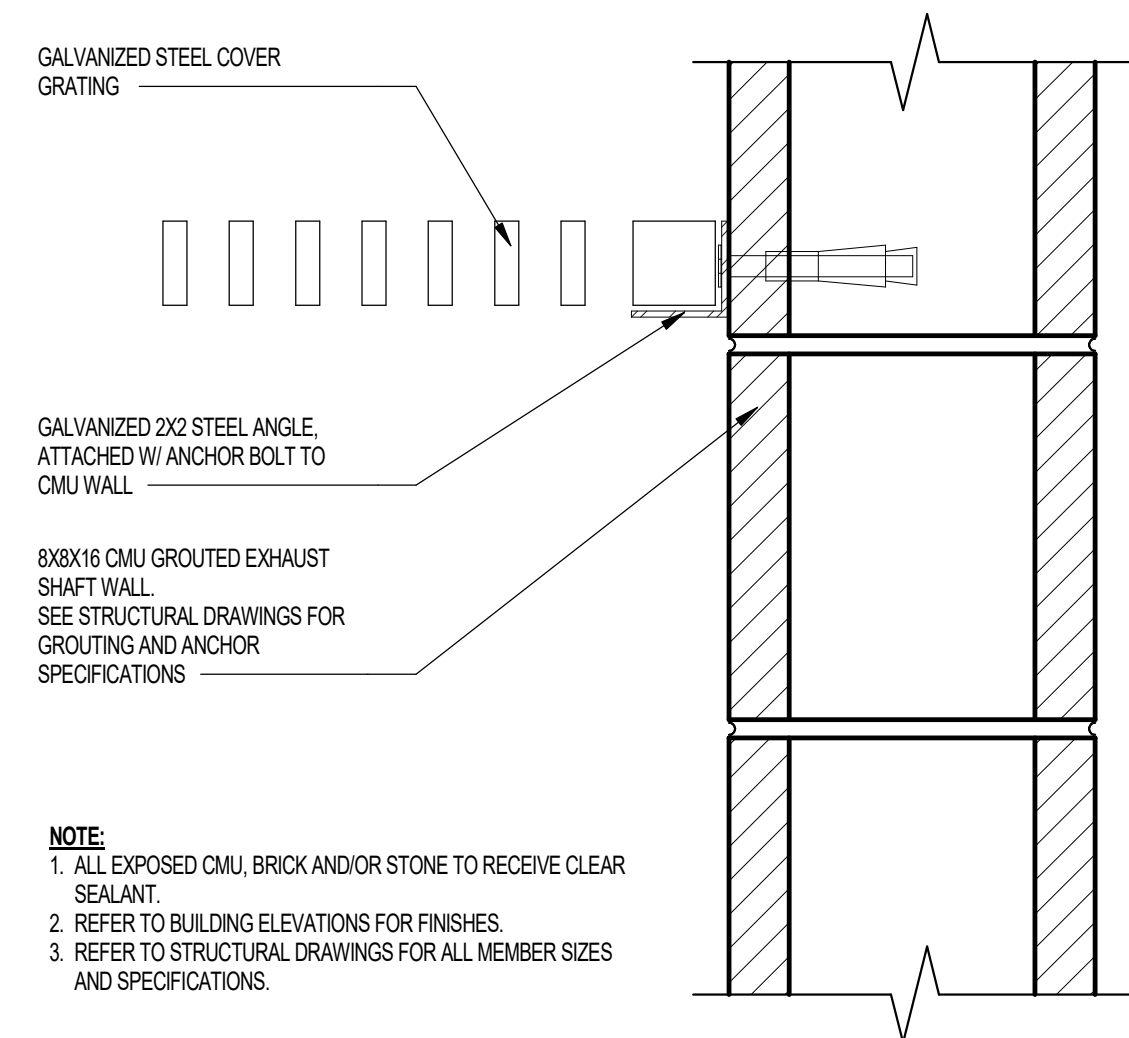
Contractor shall verify all dimensions of project before proceeding with this work.

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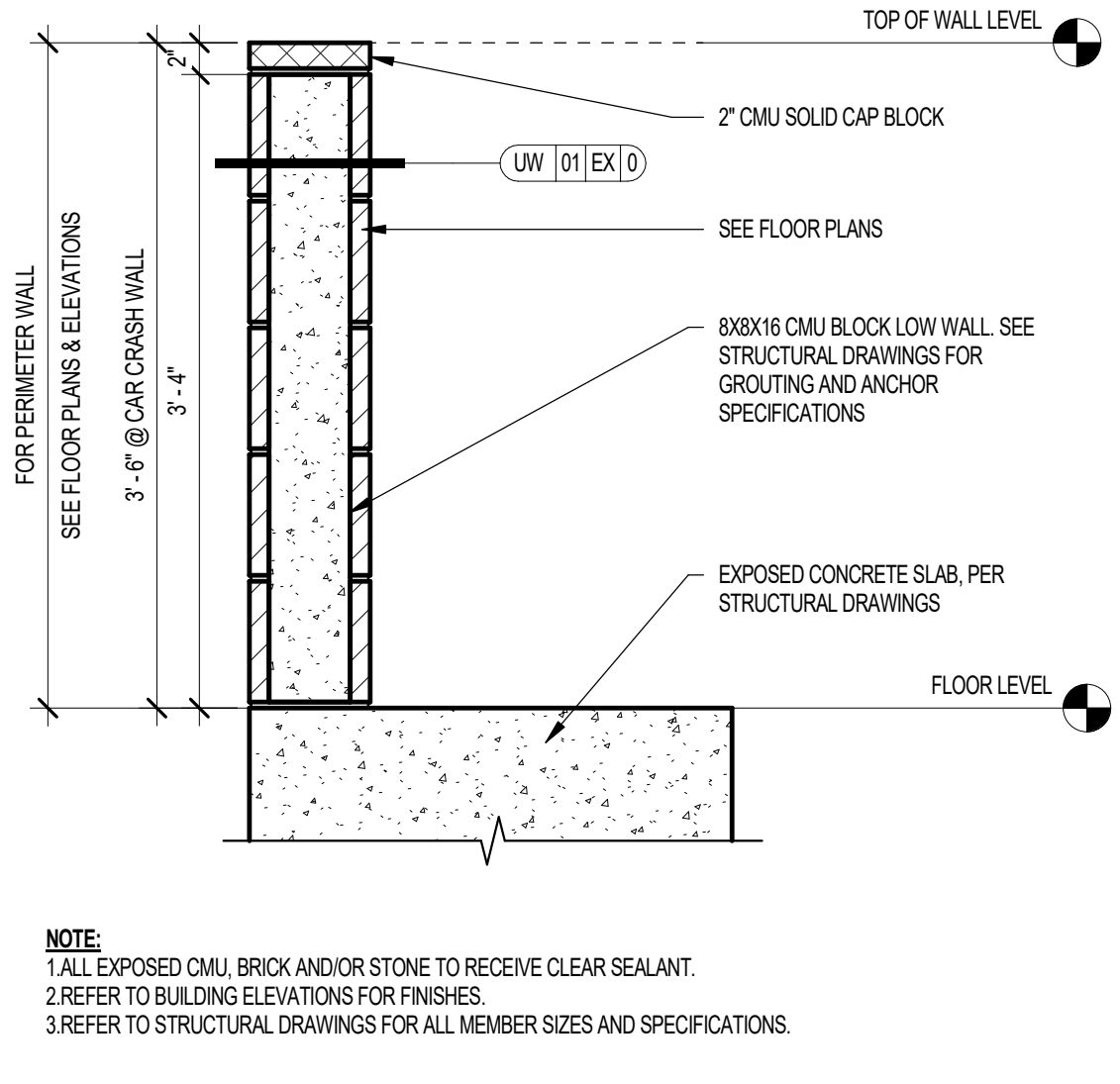
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DATE DESCRIPTION

2ND CITY SUBMITTAL
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A8.1.20
LIGHT METAL STUD FRAMING DETAILS



05 EXHAUST SHAFT METAL GRATING @ CMU WALL SCALE: 3" = 1'-0"



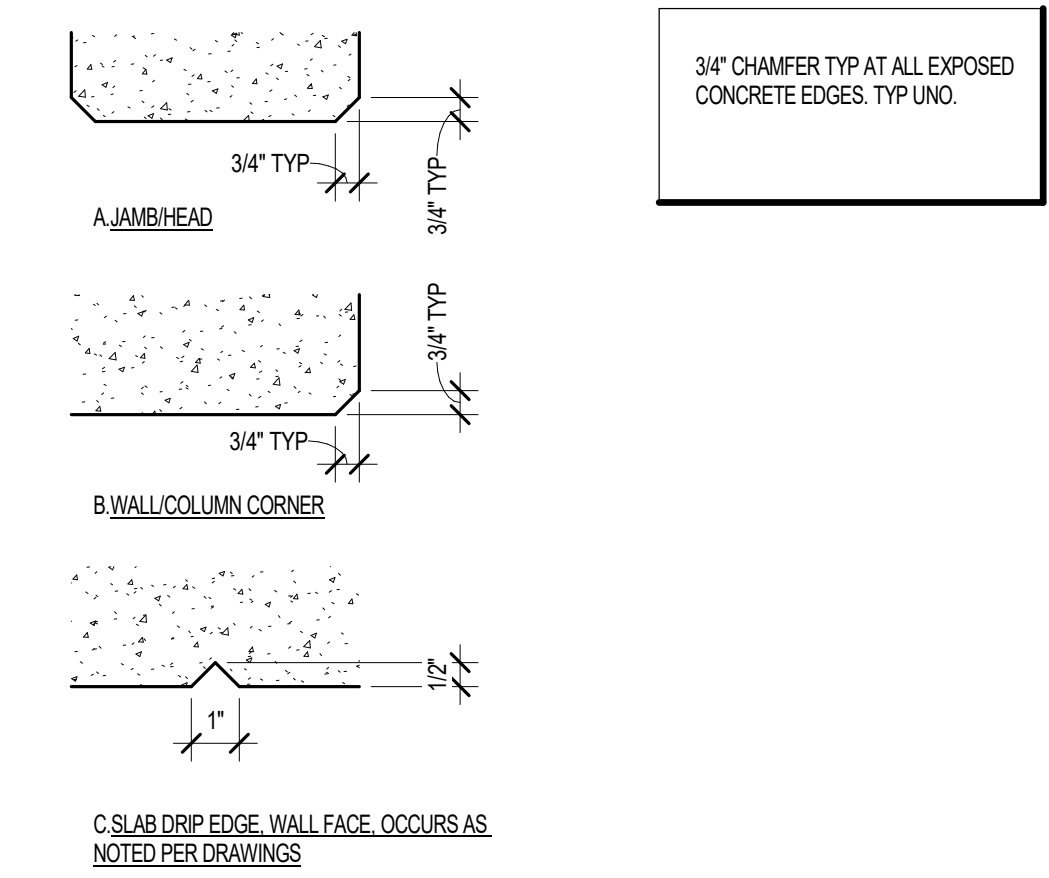
01 CMU CAR CRASH WALL & LOW WALL AT PARKING SCALE: 1" = 1'-0"

Project Name 1
Project Name 2
Street Address
City, State

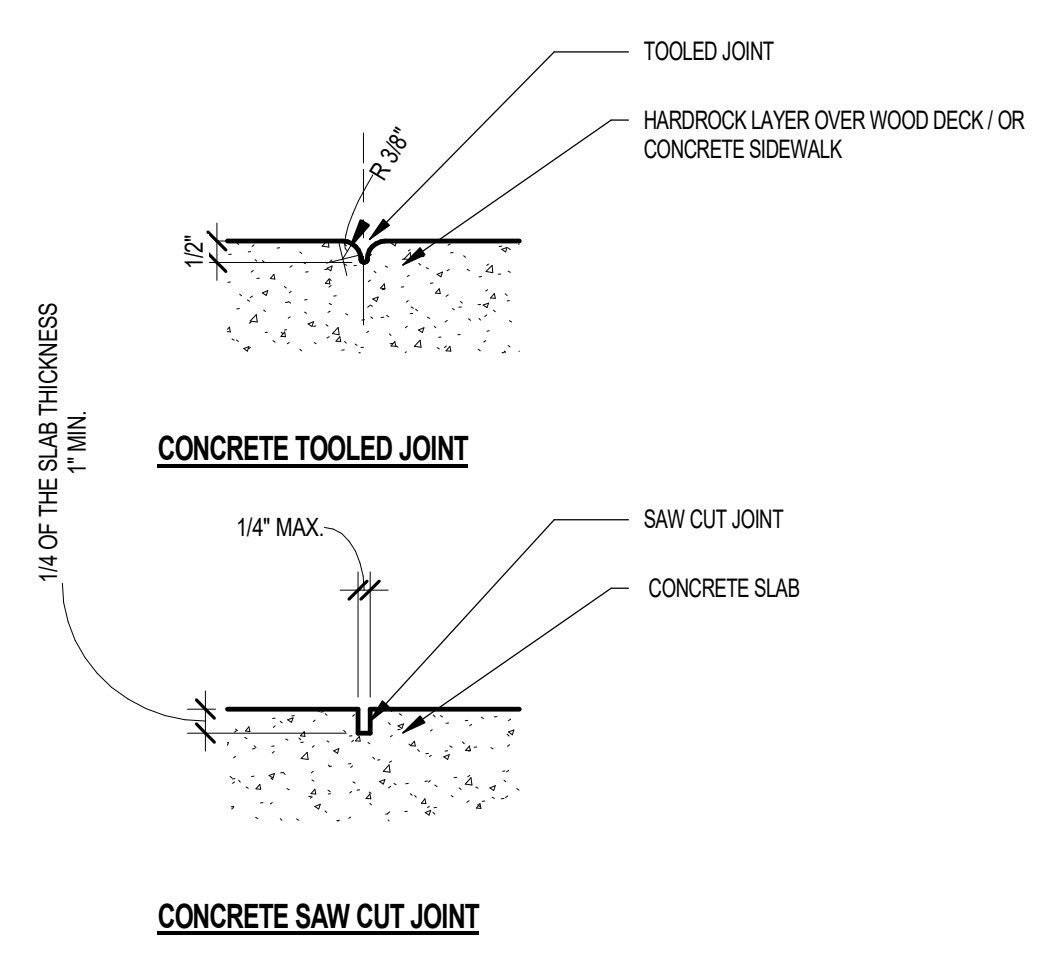
Office of Rich Barber
ORB
Architecture, LLC

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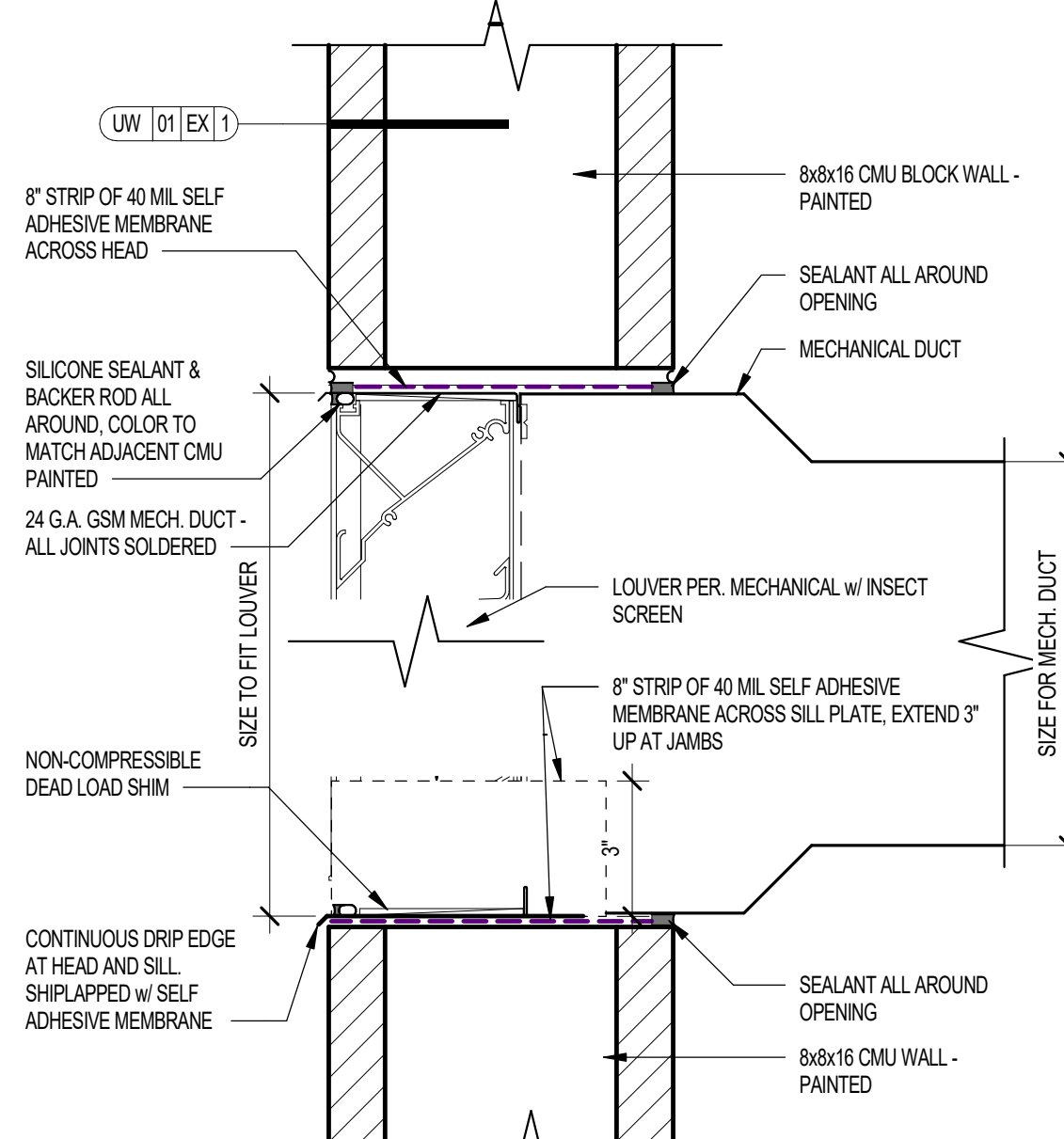
PRELIMINARY NOT FOR CONSTRUCTION



02 CONCRETE CORNERS & EDGES SCALE: 3" = 1'-0"



03 CONCRETE CONTRACTION (CONTROL) JOINTS SCALE: 3" = 1'-0"



04 MECH. VENTS AT EXTERIOR CMU WALL SCALE: 3" = 1'-0"

Notice of alternate billing (or payment) cycle
This contract allows (they allow) the owner to request the admission of billing or advance in billing cycle when the first bill is due. This contract shall allow the owner to make payment on either alternate schedule after certification and approval of billing and estimates. A further decision of what other billing cycle applies to the project is available from the owner or the owner's design engineer at

CLIENT NAME
CLIENT ADDRESS
CLIENT PHONE NUMBER
and the owner or its designated agent shall provide the written decision on request.

Contractor must verify all dimensions of project before proceeding with this work.

Do not duplicate these drawings and specifications without the expressed written permission of the Architect. The drawings and specifications are instruments of service and shall remain the property of the Architect. No part of these drawings or specifications shall be used for any other project, for addition to this project, or for completion of this project by others except by the expressed written permission of the Architect.

REVISIONS/SUBMITTALS	
DATE	DESCRIPTION

2ND CITY SUBMITTAL
DATE: SEPTEMBER 11, 2024 ORB #: 00-000

A8.1.21
CMU & CONCRETE DETAILS