



**FOUNDATION NOTES**

1. DOWELS CANNOT BE WET SET AND MUST BE MACHINE BENT.
2. SPLICE BARS REQUIRED IN ALL WALL CORNERS/INTERSECTIONS, U.N.O.
3. ALL DOWELS ALTERNATE DIRECTION OF HOOKS INTO FOOTING, U.N.O.
4. ALL DOWELS TO HAVE MINIMUM 2'-0" PROJECTION ABOVE FOOTING, U.N.O.

**FOUNDATION WALL TYPES**

**FW1** NEW 10" WIDE CONCRETE FOUNDATION WALL  
 - (2) 15M CONTINUOUS TOP BARS  
 - 15M HORIZONTAL BARS @ 16" c/c  
 - 15M VERTICAL BARS @ 16" c/c  
 - 15M FOOTING DOWELS @ 16" c/c 8" LONG ALTERNATING HOOKS + MINIMUM 24" PROJECTION PAST TOP OF FOOTING  
 - ALL WALL STEEL PLACED IN CENTER OF WALL  
 24" WIDE x 10" DEEP CONCRETE STRIP FOOTING  
 - (3) 15M CONTINUOUS BARS OR PAD FOOTING PER PLAN  
 - 10M LATERAL BARS @ 16" c/c  
 NOTE:  
 FROST WALL MAY BE OMITTED TO ALLOW PRECAST TO BEAR DIRECTLY ON THE STRIP FOOTING.

**FW2** NEW 10" WIDE CONCRETE FOUNDATION WALL  
 - (2) 15M CONTINUOUS TOP BARS  
 - 15M HORIZONTAL BARS @ 16" c/c  
 - 15M VERTICAL BARS @ 16" c/c  
 - 15M FOOTING DOWELS @ 16" c/c 8" LONG ALTERNATING HOOKS + MINIMUM 24" PROJECTION PAST TOP OF FOOTING  
 - ALL WALL STEEL PLACED IN CENTER OF WALL  
 24" WIDE x 10" DEEP CONCRETE STRIP FOOTING  
 TOP LAYER REINFORCING  
 - PLACED 3" CLEAR TOP OF EXISTING FOOTING  
 - (3) 15M CONTINUOUS BARS OR PAD FOOTING PER PLAN  
 - 10M LATERAL BARS @ 24" c/c DRILL + EPOXY TO FACE OF EX. FOUNDATION WALL w/ HILTI HY-200 EPOXY EMBED 5"  
 BOTTOM LAYER REINFORCING  
 - PLACED MID-HEIGHT OF EXISTING FOOTING  
 - (2) 10M CONTINUOUS BARS  
 - 10M LATERAL BARS @ 24" c/c DRILL + EPOXY TO FACE OF EXISTING FOOTING w/ HILTI HY-200 EPOXY EMBED 5"  
 NOTE:  
 FROST WALL MAY BE OMITTED TO ALLOW PRECAST TO BEAR DIRECTLY ON THE STRIP FOOTING.

**FW3** EXISTING 8" WIDE CONCRETE FOUNDATION WALL

**PAD FOOTING TYPES**

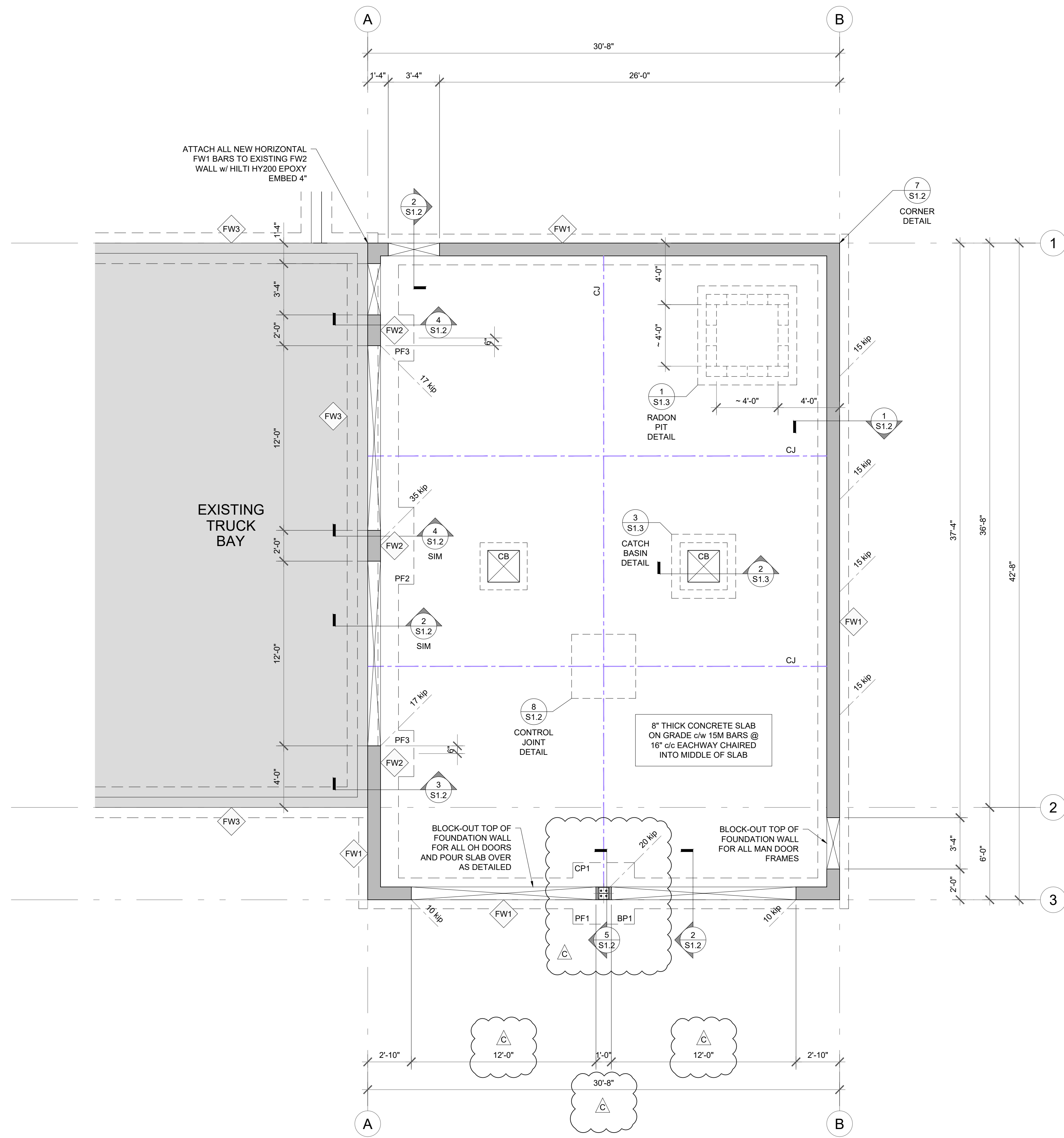
**PF1** 4'-0"x4'-0"x10" THICK CONCRETE PAD FOOTING c/w (5) 15M BARS EACHWAY, CHAIRED 3" CLEAR OF GRADE

**PF2** 5'-0"x3'-0"x10" THICK CONCRETE PAD FOOTING  
 TOP LAYER REINFORCING  
 - PLACED 3" CLEAR TOP OF EXISTING FOOTING  
 - (6) 15M SHORT DIRECTION BARS  
 - (4) 15M LONG DIRECTION BARS  
 BOTTOM LAYER REINFORCING  
 - PLACED MID-HEIGHT OF EXISTING FOOTING  
 - (6) 15M SHORT DIRECTION BARS  
 - (4) 15M LONG DIRECTION BARS

**PF3** 3'-0"x3'-0"x10" THICK CONCRETE PAD FOOTING  
 TOP LAYER REINFORCING  
 - PLACED 3" CLEAR TOP OF EXISTING FOOTING  
 - (4) 15M BARS EACHWAY  
 BOTTOM LAYER REINFORCING  
 - PLACED MID-HEIGHT OF EXISTING FOOTING  
 - (4) 15M SHORT DIRECTION BARS  
 - (3) 15M LONG DIRECTION BARS

**PIER SCHEDULE**

**CP1** 12"x10" CONCRETE PIER c/w 10M CLOSED-TIE STIRRUPS @ 8" c/c AROUND (4) 15M VERTICAL BARS c/w 12" LONG HOOKS UNDER FOOTING BARS



**1 FOUNDATION PLAN**  
 SCALE: 1/4"=1'-0"

**REVISIONS**

NO.	DATE	DESCRIPTION
A	240503	COORDINATION
B	240712	TENDER
C	240820	ADDENDUM 03

PROJECT  
**PROPOSED ADDITION OPTION 'B'**  
 FOR  
**CITY OF SALMON ARM FIRE HALL #2 TRUCK BAY ADDITION**  
 200 - 30th STREET SE  
 SALMON ARM, BC

DRAWING  
**FOUNDATION PLAN**

FILE  
 23-400  
 DATE  
 20 AUGUST 2024  
 SCALE  
 1/4" = 1'-0"  
 DESIGN  
 BH  
 ENGINEER  
 CW  
 SEAL

PERMIT TO PRACTICE No. 1001581

SHEET NUMBER REV  
**S1.1 C**

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200 - 30th STREET SE  
SALMON ARM, BC

**FOUNDATION DETAILS**

FILE  
23-400

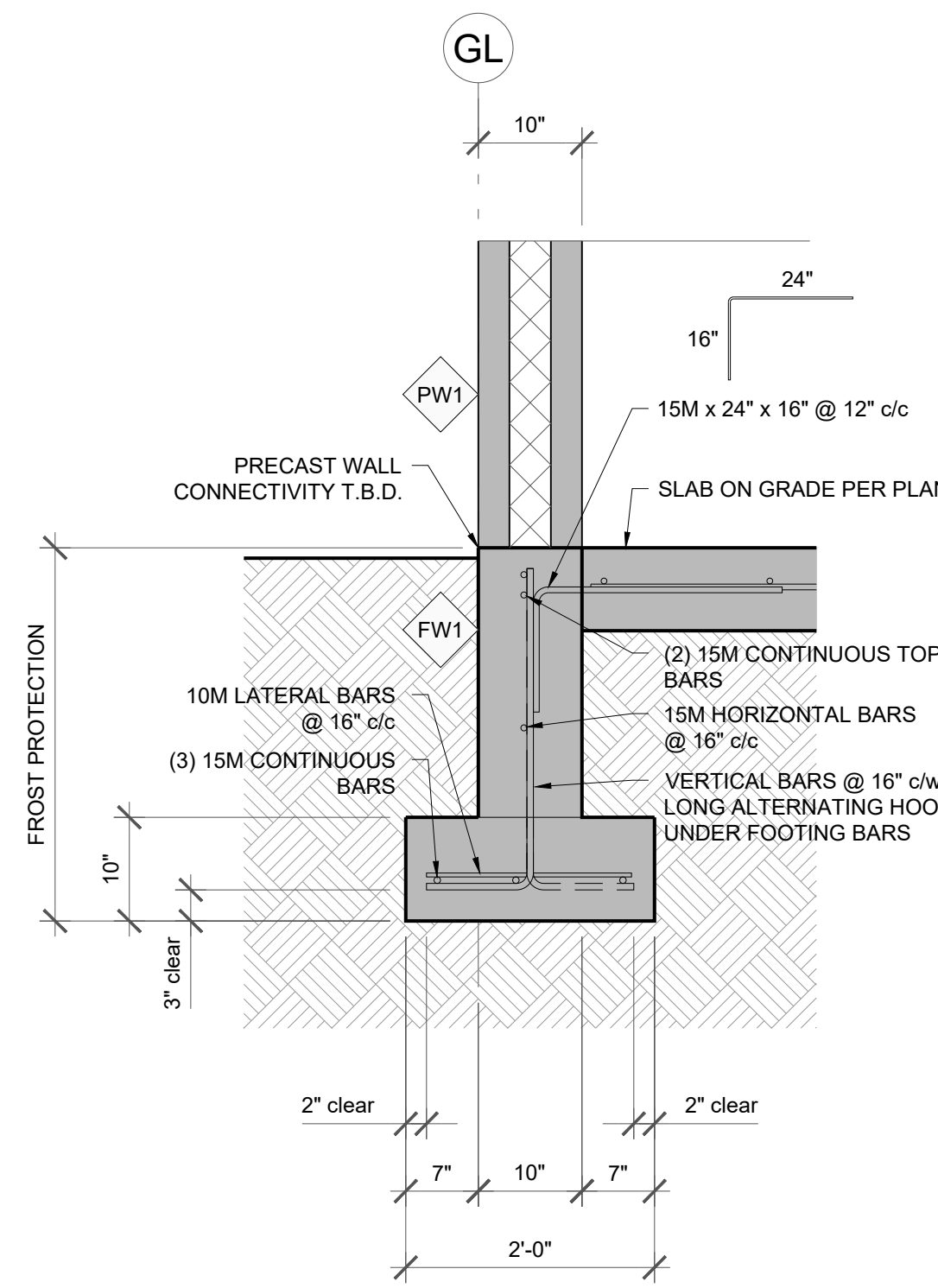
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20 AUGUST 2024

SCALE  
3/4" = 1'-0"

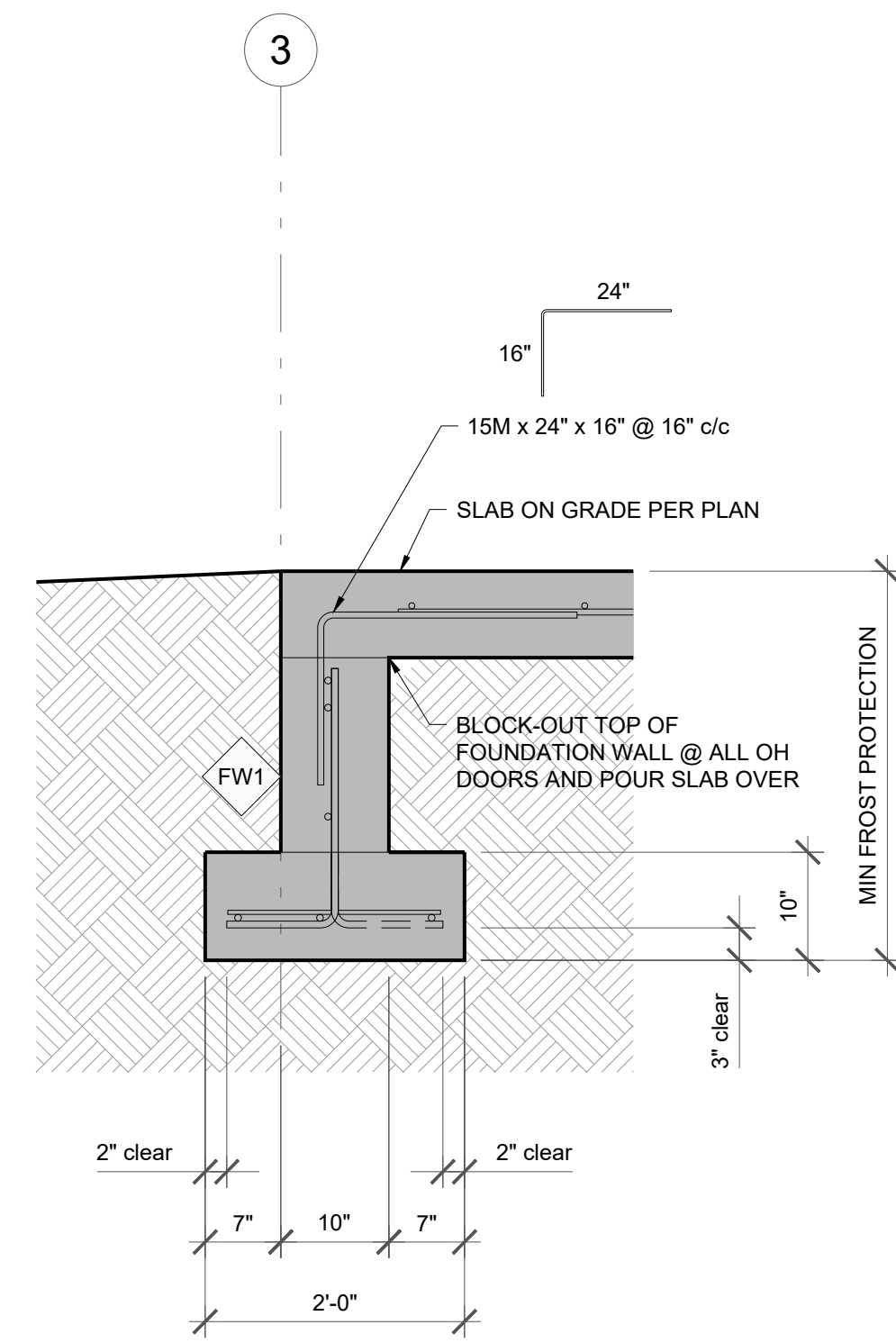
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ENGINEER  
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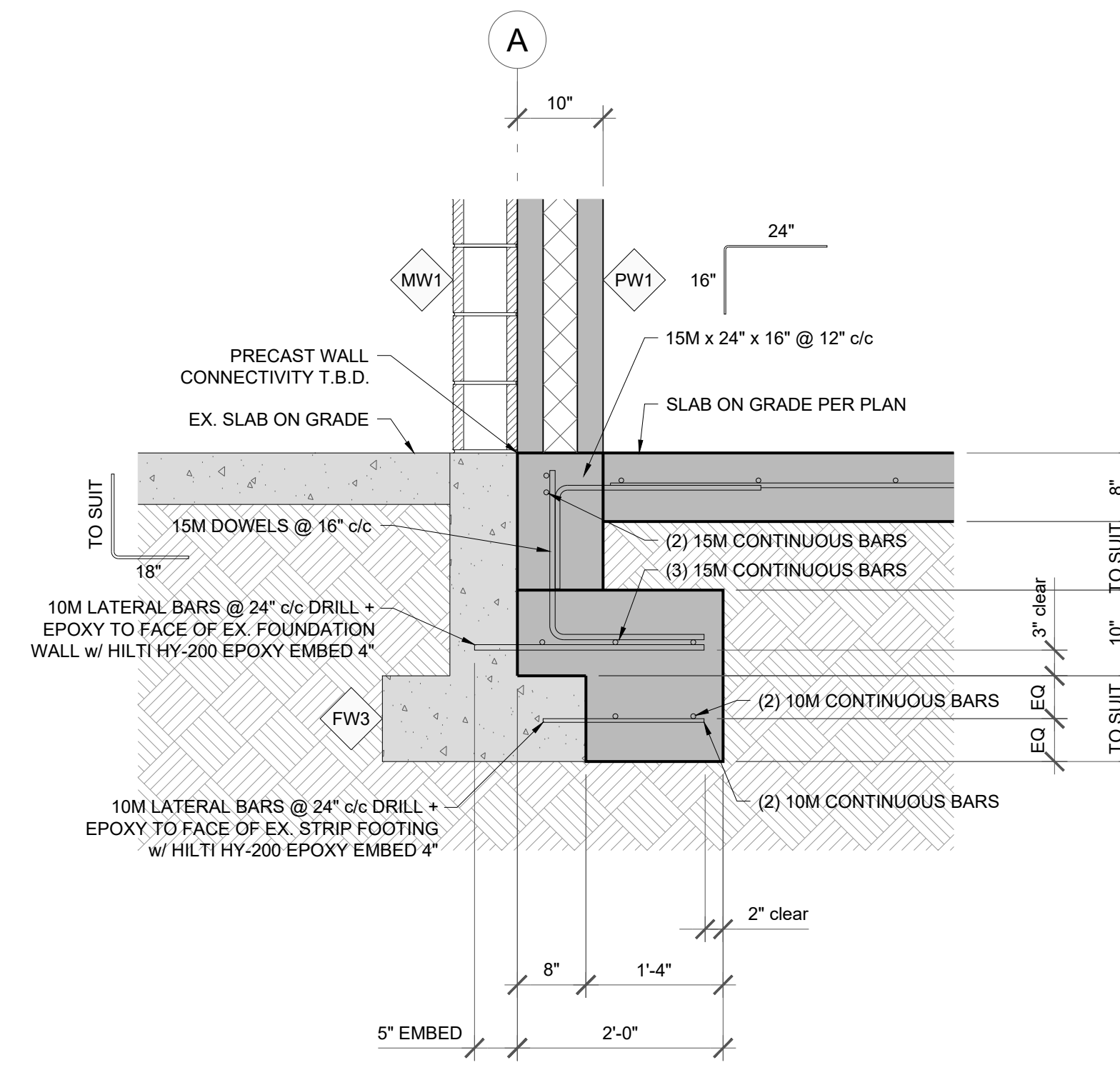
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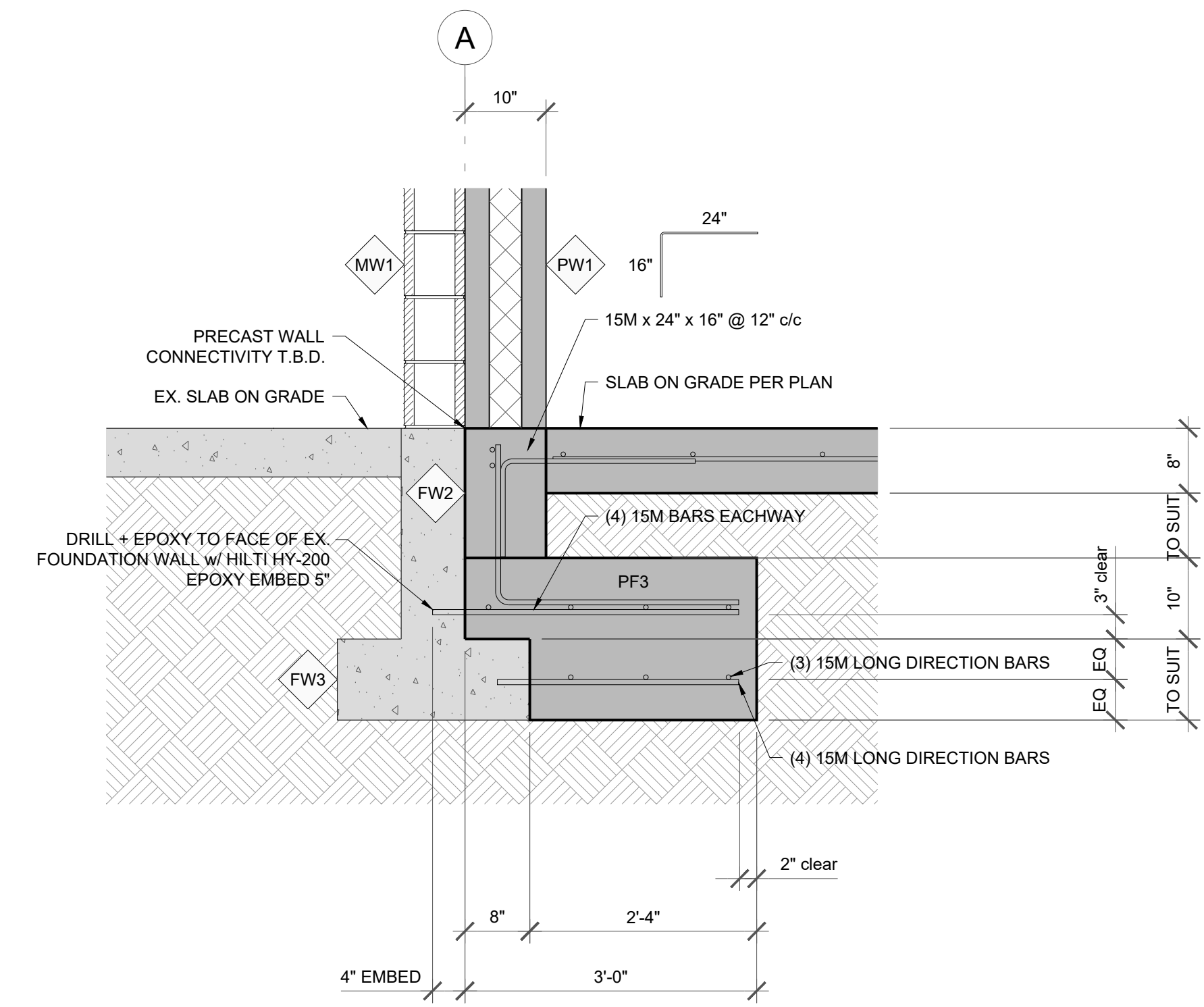
**1 FOUNDATION DETAIL FW1**  
S1.1 SCALE: 3/4"=1'-0"



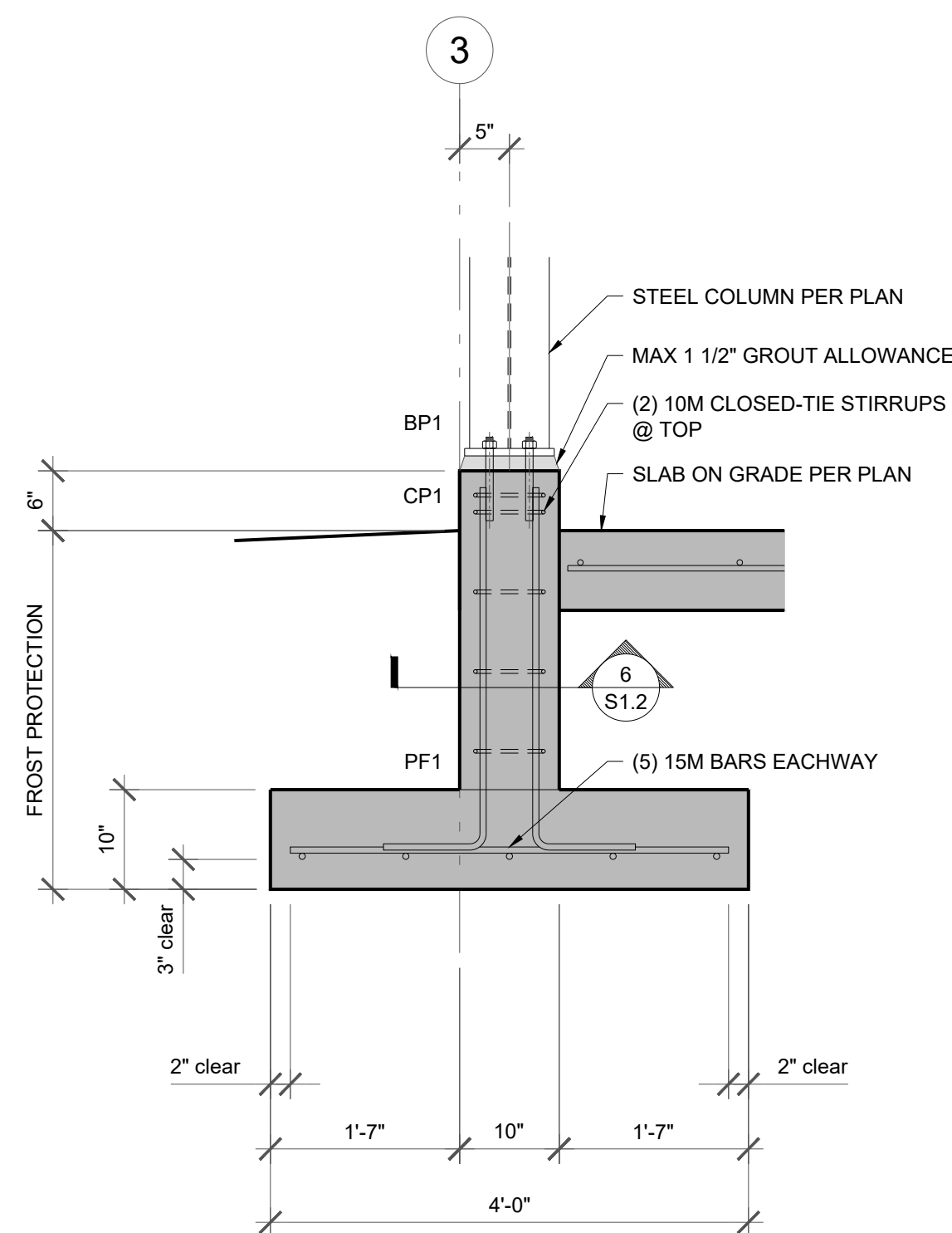
**2 FOUNDATION DETAIL FW1**  
S1.1 SCALE: 3/4"=1'-0"



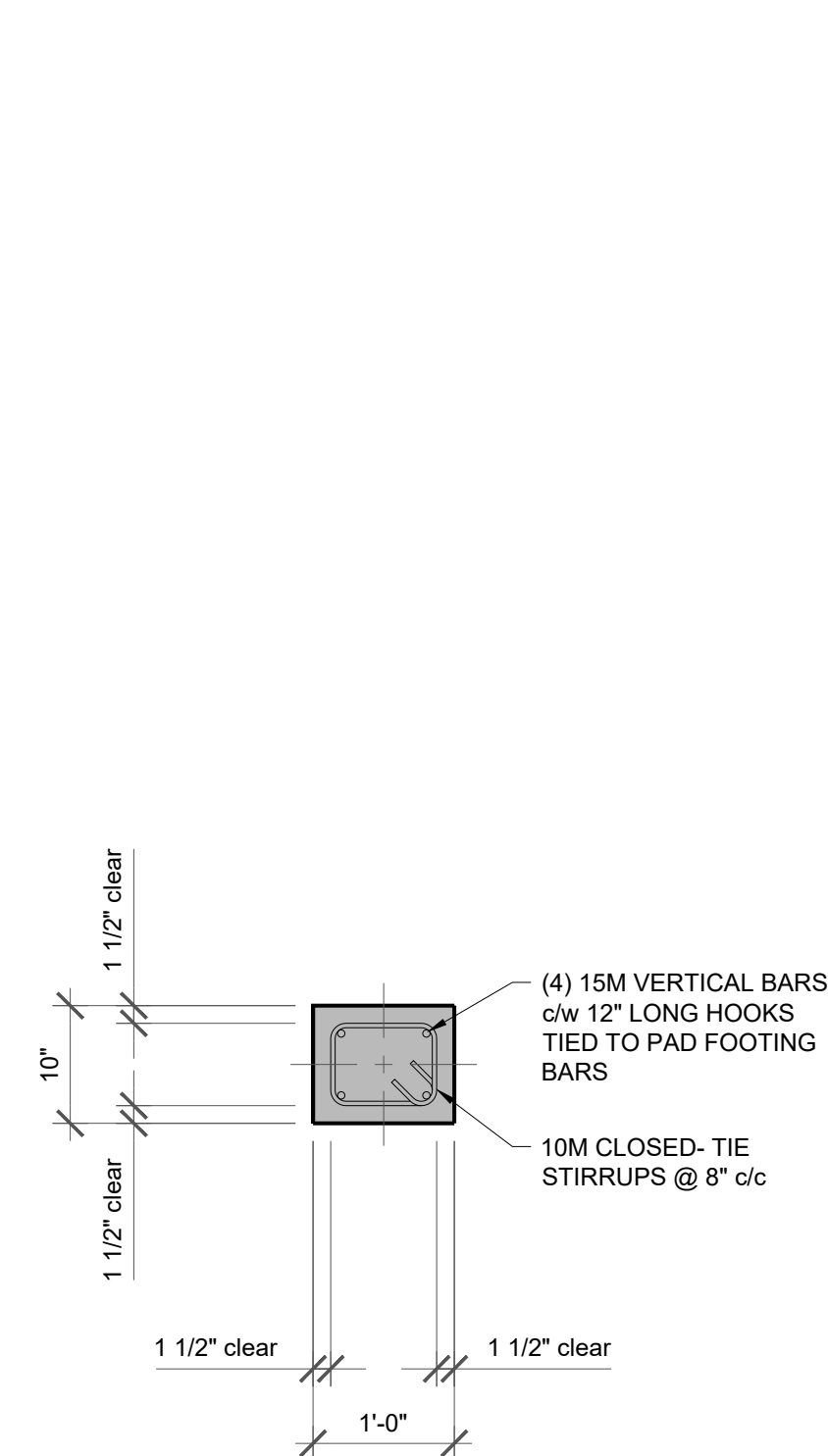
**3 FOUNDATION DETAIL FW2**  
S1.1 SCALE: 3/4"=1'-0"



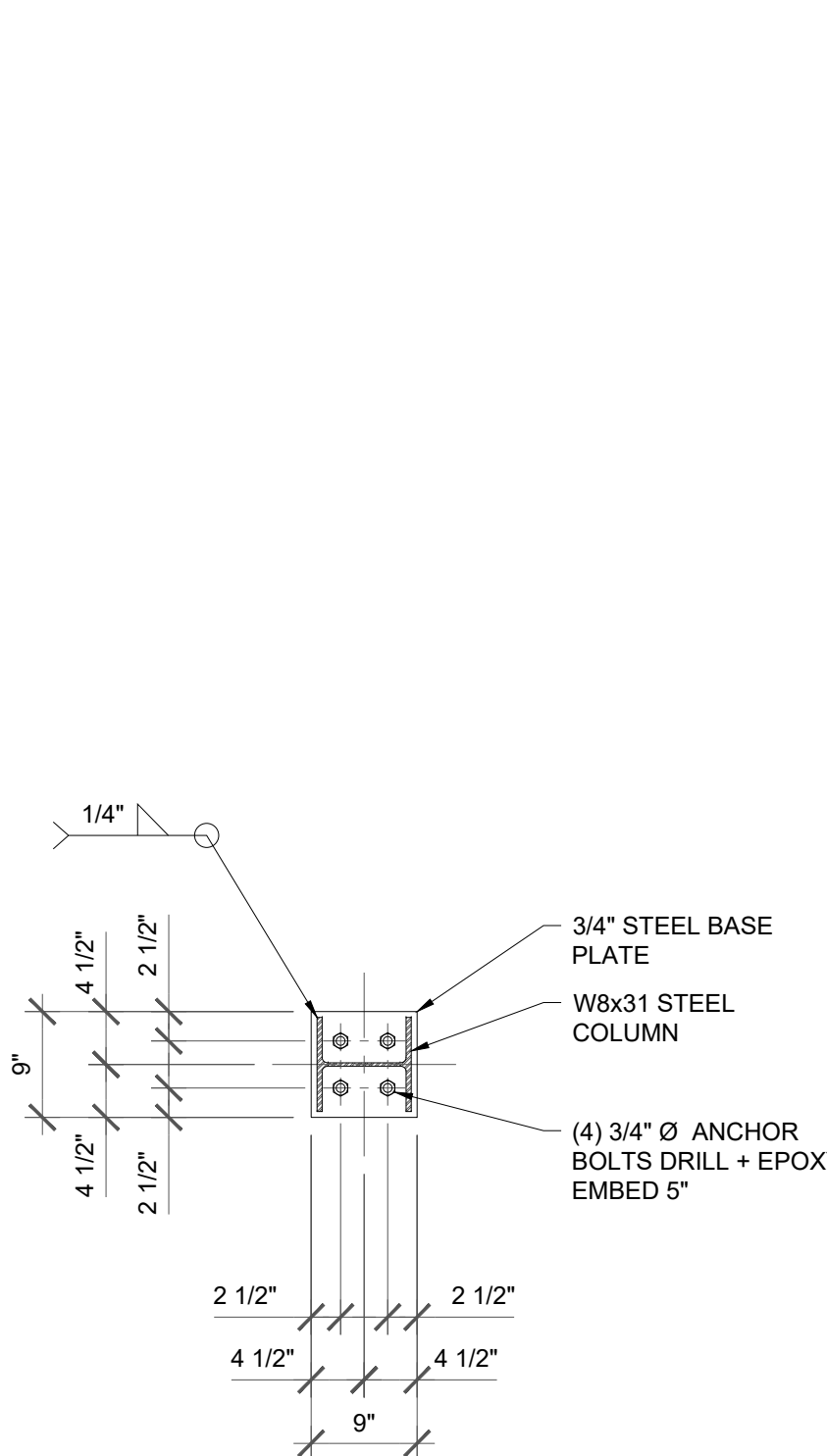
**4 FOUNDATION DETAIL FW2 / PF3**  
S1.1 SCALE: 3/4"=1'-0"



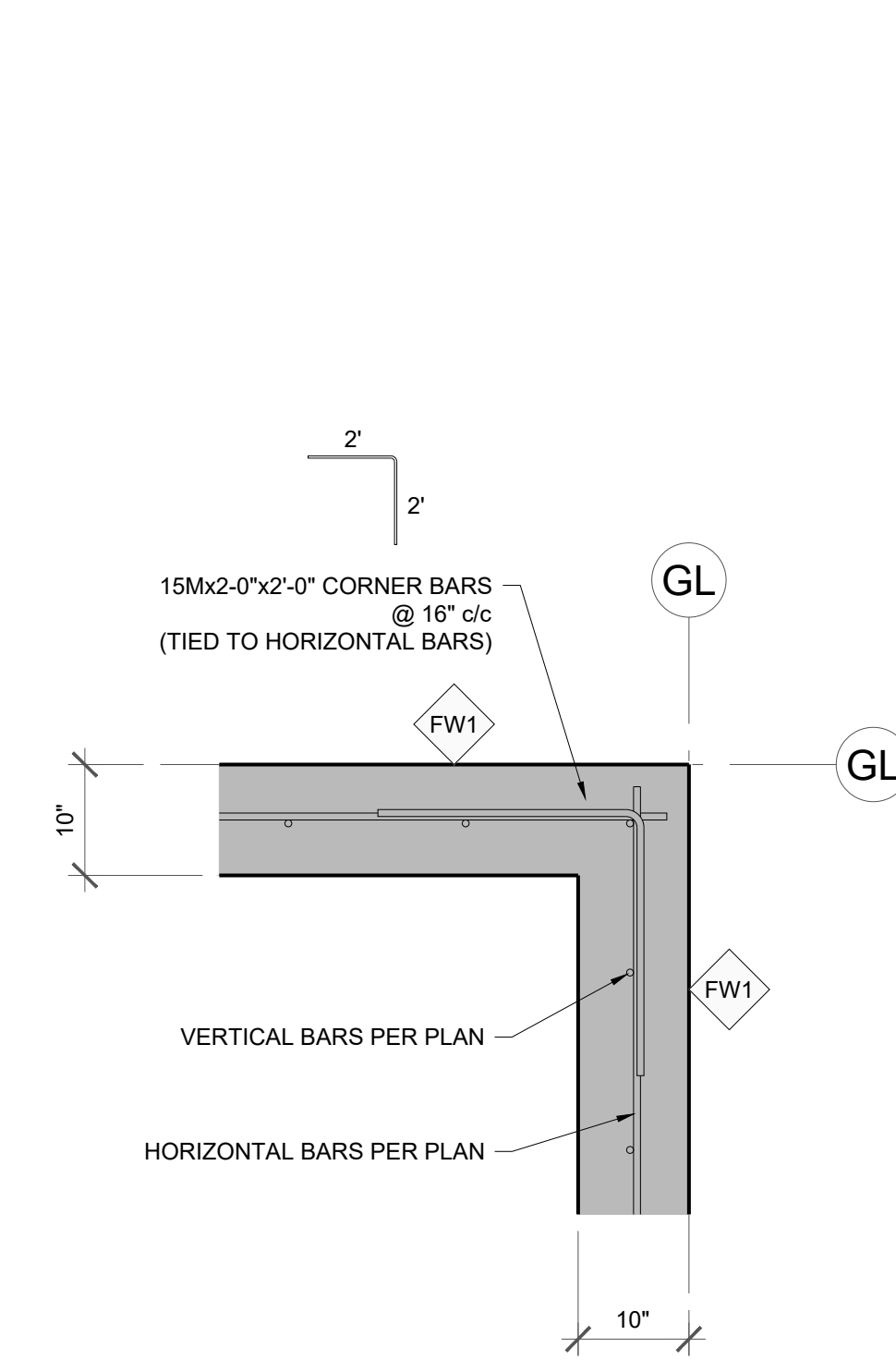
**5 FOUNDATION DETAIL CP1 @ PF1**  
S1.1 SCALE: 3/4"=1'-0"



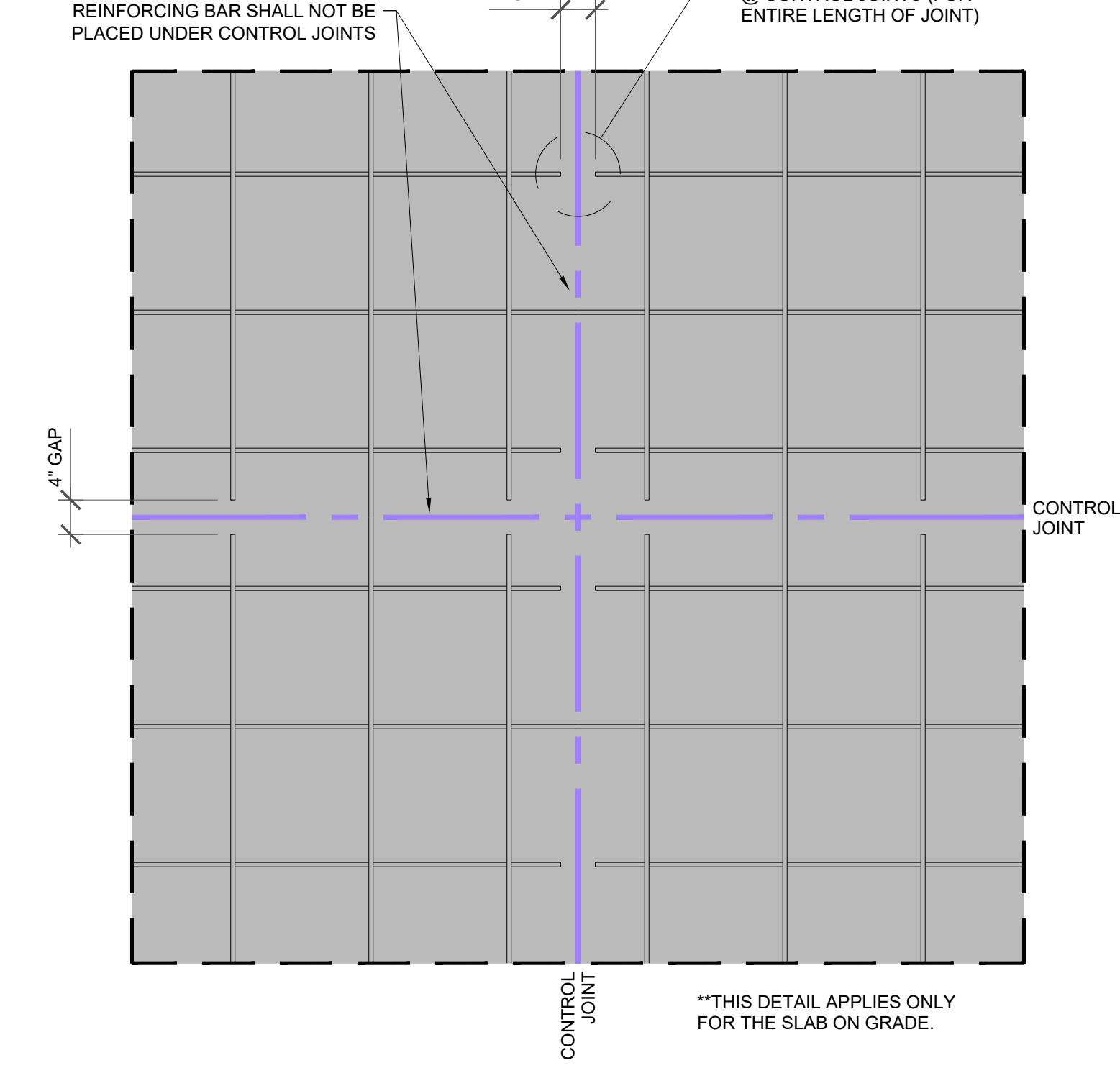
**6 BASE PLATE DETAIL BP1**  
S2.1 SCALE: 3/4"=1'-0"



**7 BASE PLATE DETAIL BP1**  
S1.1 SCALE: 3/4"=1'-0"



**8 TYPICAL CORNER DETAIL U.N.O.**  
S1.1 SCALE: 3/4"=1'-0"



**9 TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL**  
S1.1 SCALE: 3/4"=1'-0"

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DRAWING

**FOUNDATION  
DETAILS**

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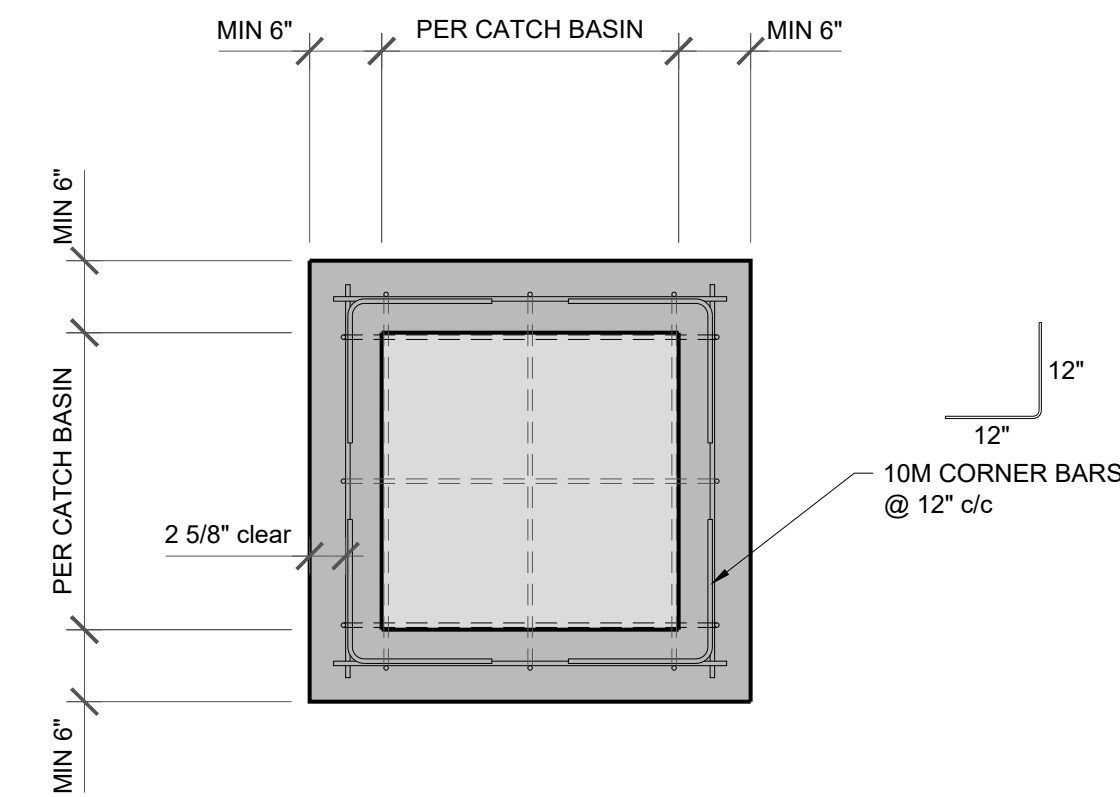
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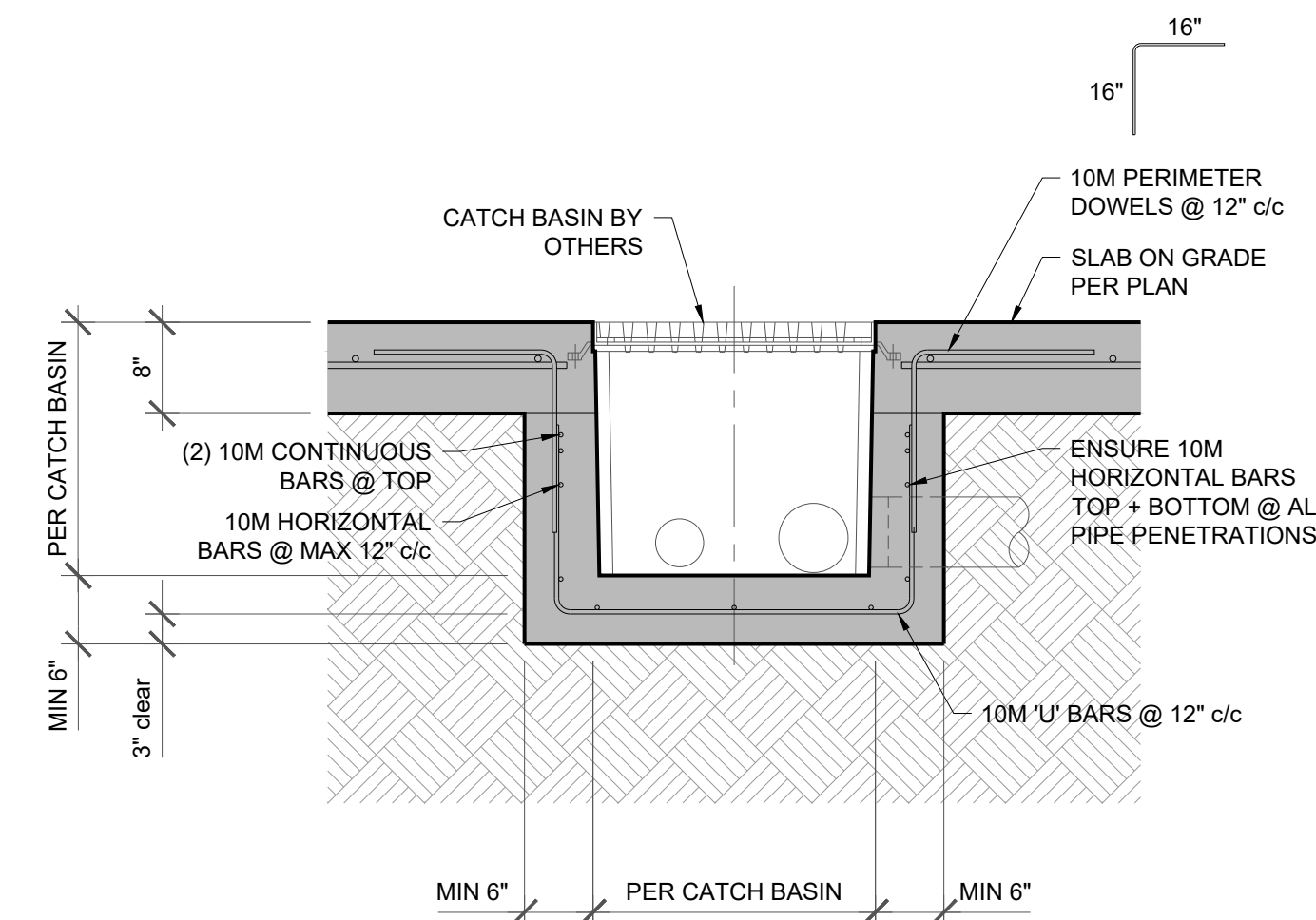
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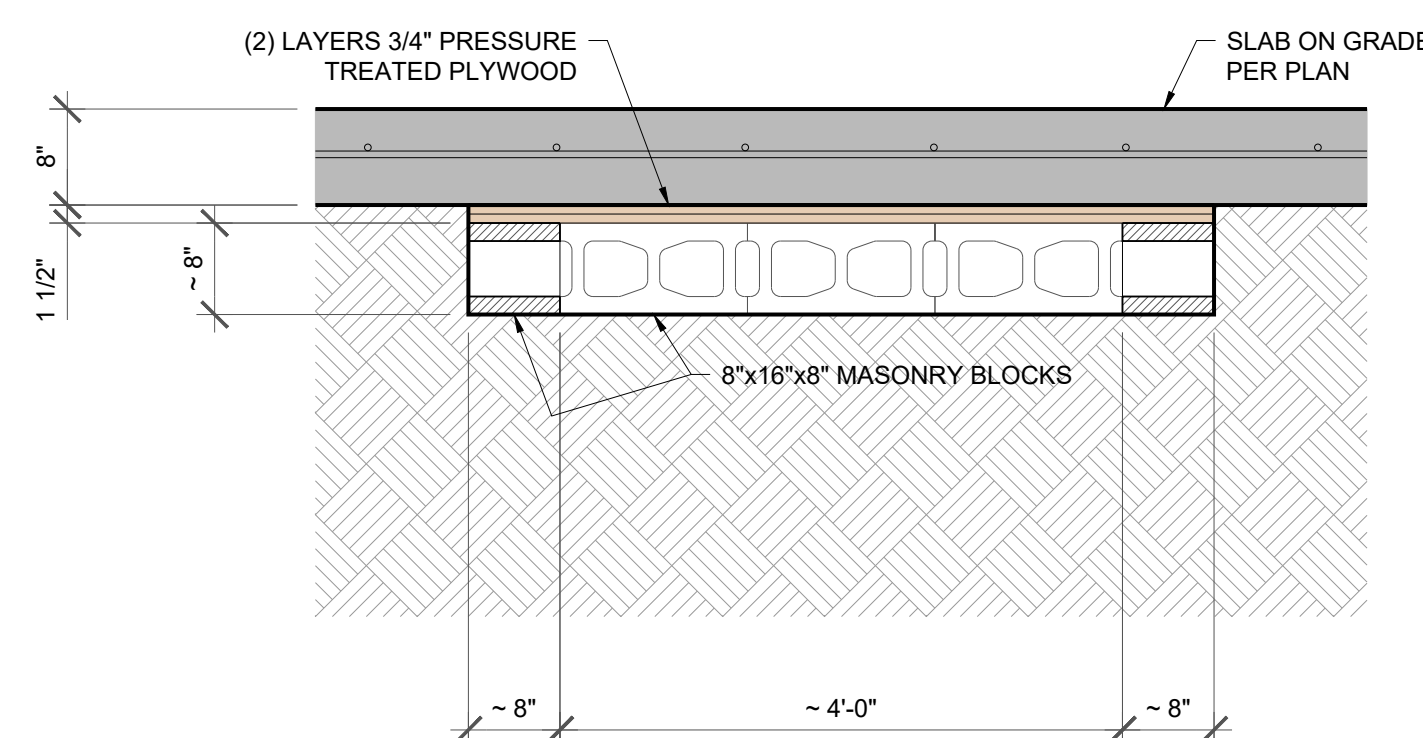
SEAL





**3 CATCH BASIN DETAIL**  
S1.1 SCALE: 3/4"=1'-0"





**2 CATCH BASIN DETAIL**  
S1.1 SCALE: 3/4"=1'-0"

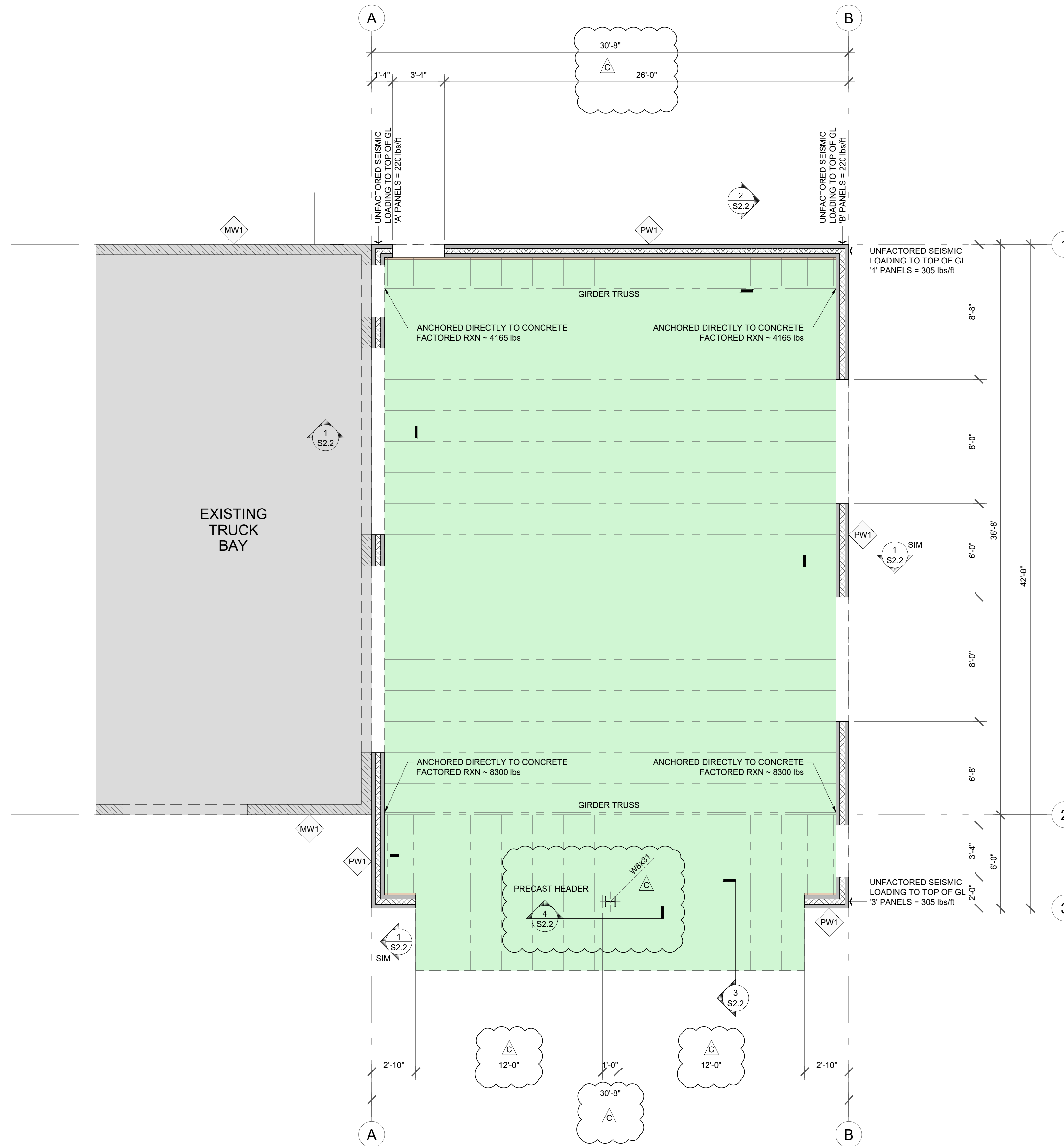


**1 RADON PIT DETAIL**  
S1.1 SCALE: 3/4"=1'-0"

WALL TYPES	
	PRECAST CONCRETE WALLS - BY OTHERS
	EXISTING 8" SPLIT FACE MASONRY BLOCK WALL

ROOF ASSEMBLIES	
	MAIN FLAT ROOF FRAMING - ENGINEERED WOOD ROOF TRUSSES PER MANUFACTURER - MIN 5/8" T&G PLYWOOD SHEATHING SECURED TO JOISTS w/ 2 1/2" COMMON NAILS @ 6" c/c MAX SPACING
	EXISTING ROOF FRAMING - STEEL ROOF DECKING ON ARCHED STEEL ROOF BEAMS



**1 ROOF FRAMING PLAN**  
SCALE: 1/4"=1'-0"

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SHEET NUMBER	REV
<b>S2.1</b>	<b>C</b>

REVISIONS

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**FOUNDATION  
DETAILS**

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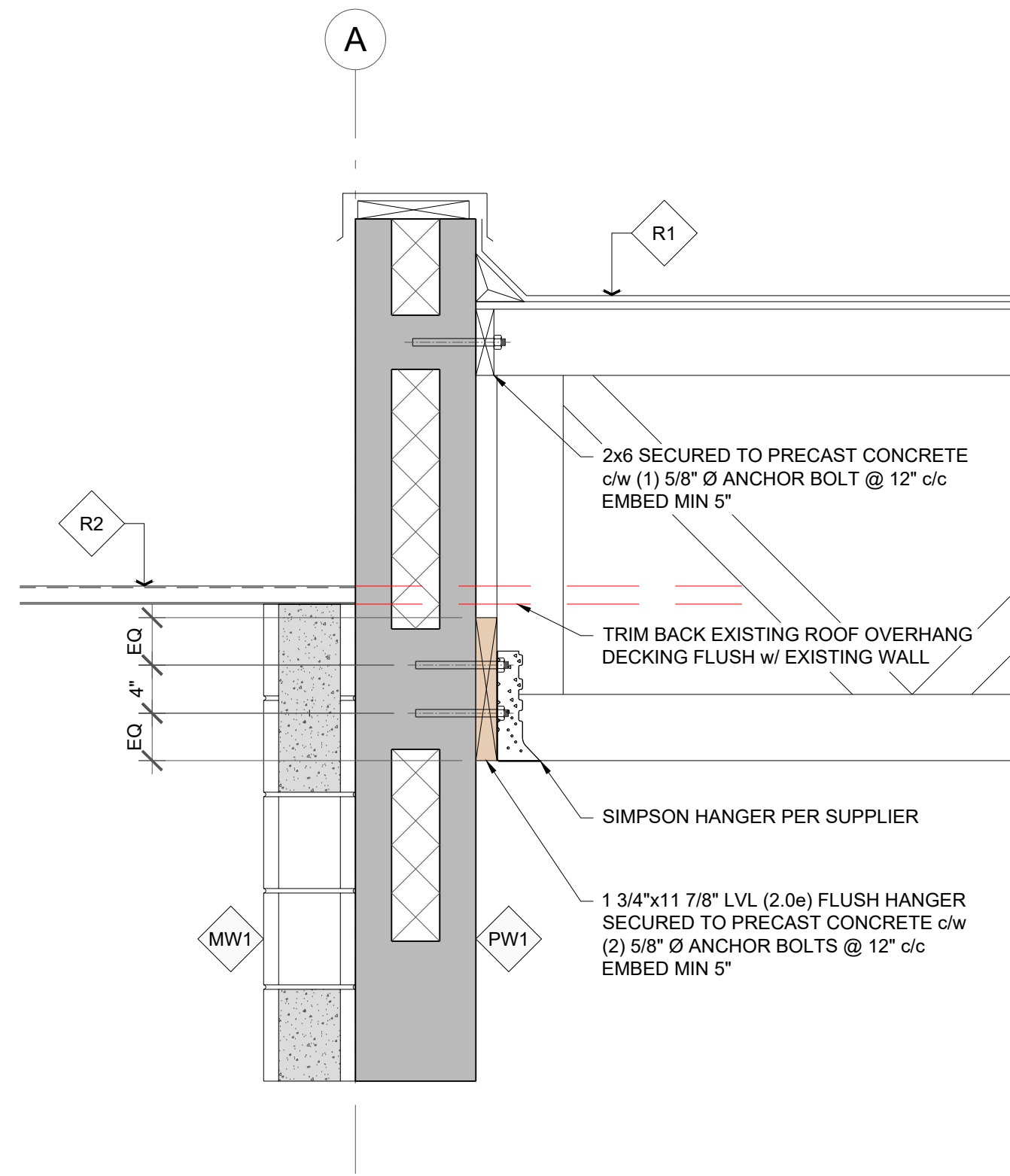
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20 AUGUST 2024

SCALE  
1" = 1'-0"

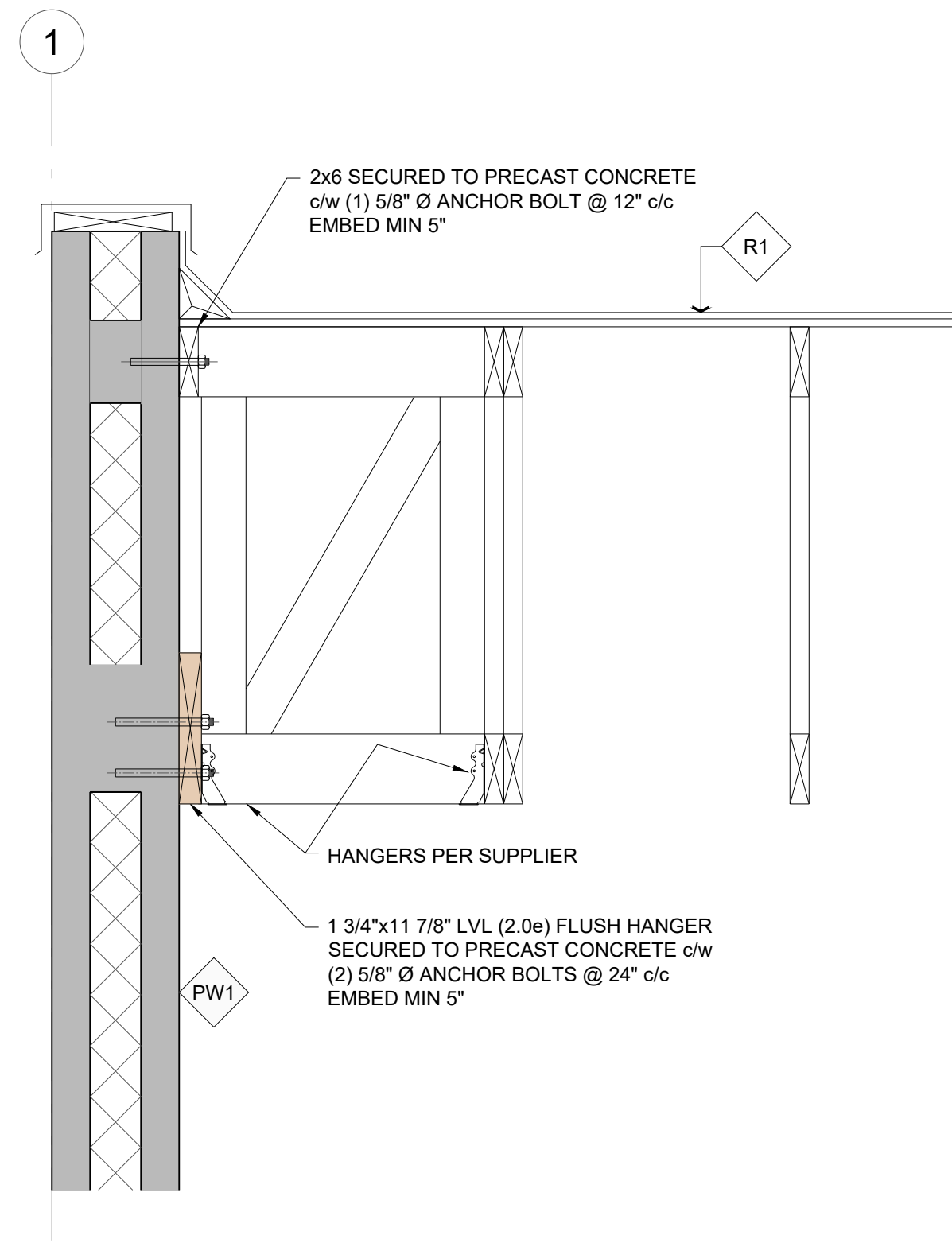
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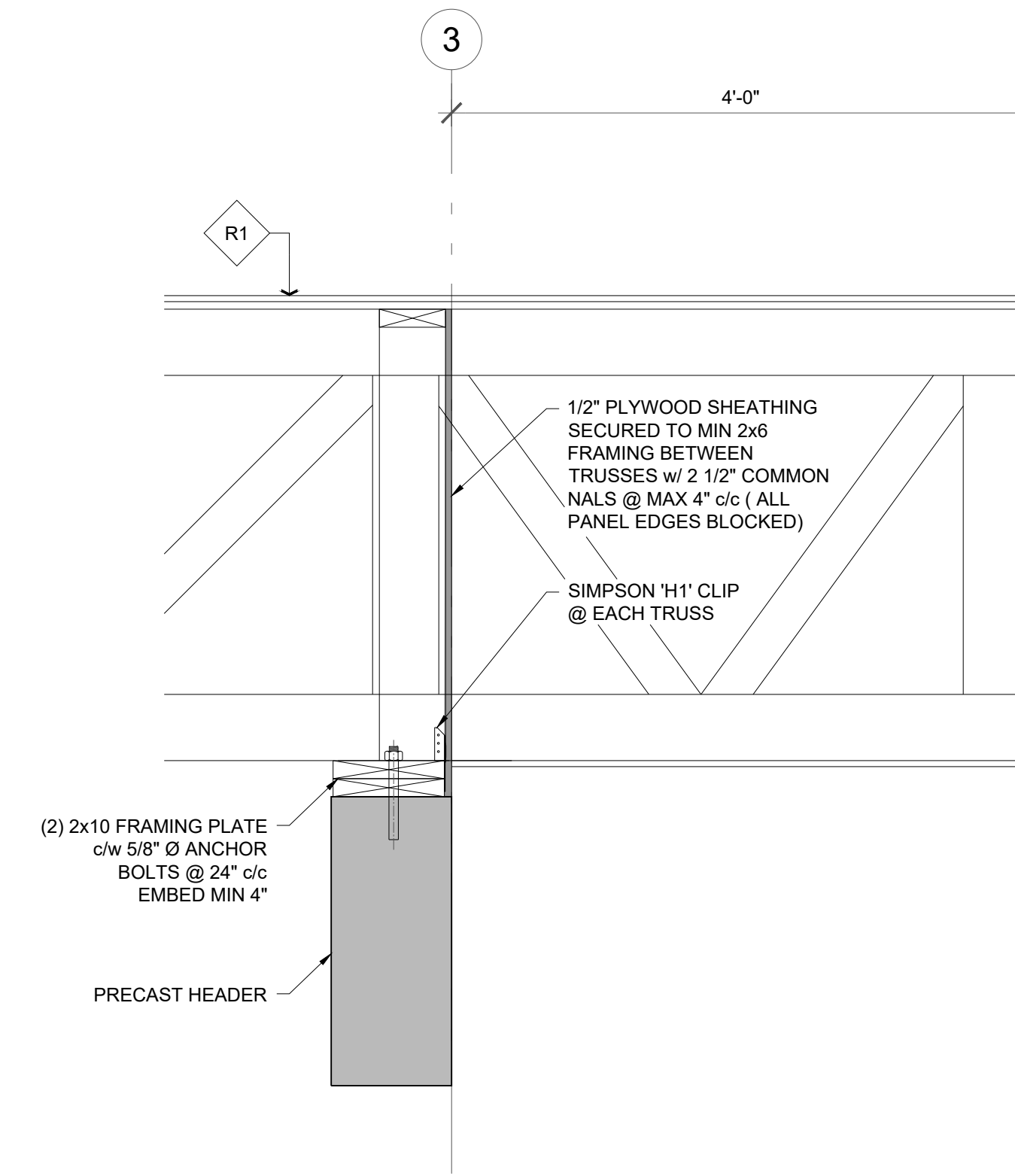
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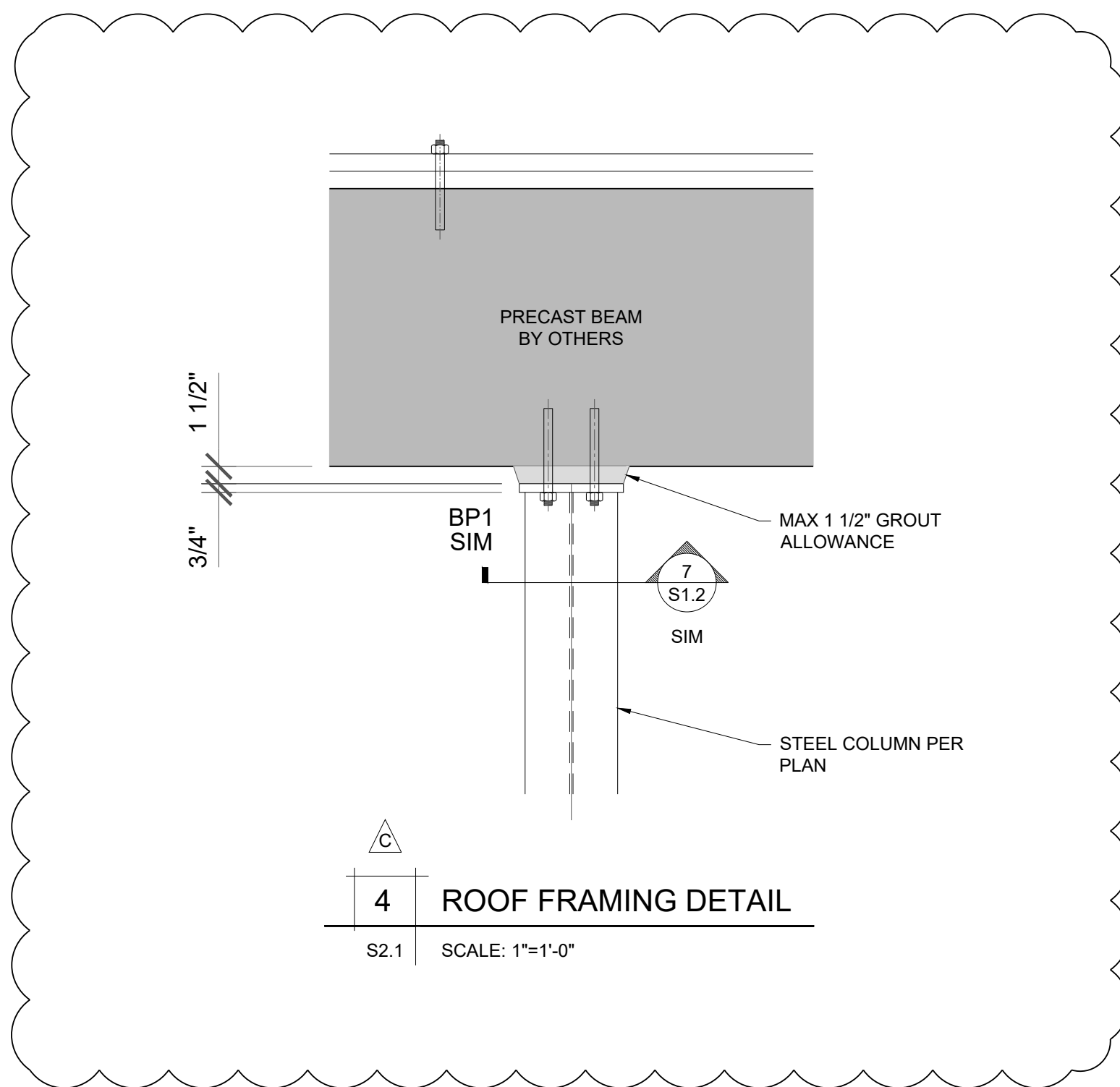
**1 ROOF FRAMING DETAIL**  
S2.1 SCALE: 1"=1'-0"



**2 ROOF FRAMING DETAIL**  
S2.1 SCALE: 1"=1'-0"



**3 ROOF FRAMING DETAIL**  
S2.1 SCALE: 1"=1'-0"



**4 ROOF FRAMING DETAIL**  
S2.1 SCALE: 1"=1'-0"