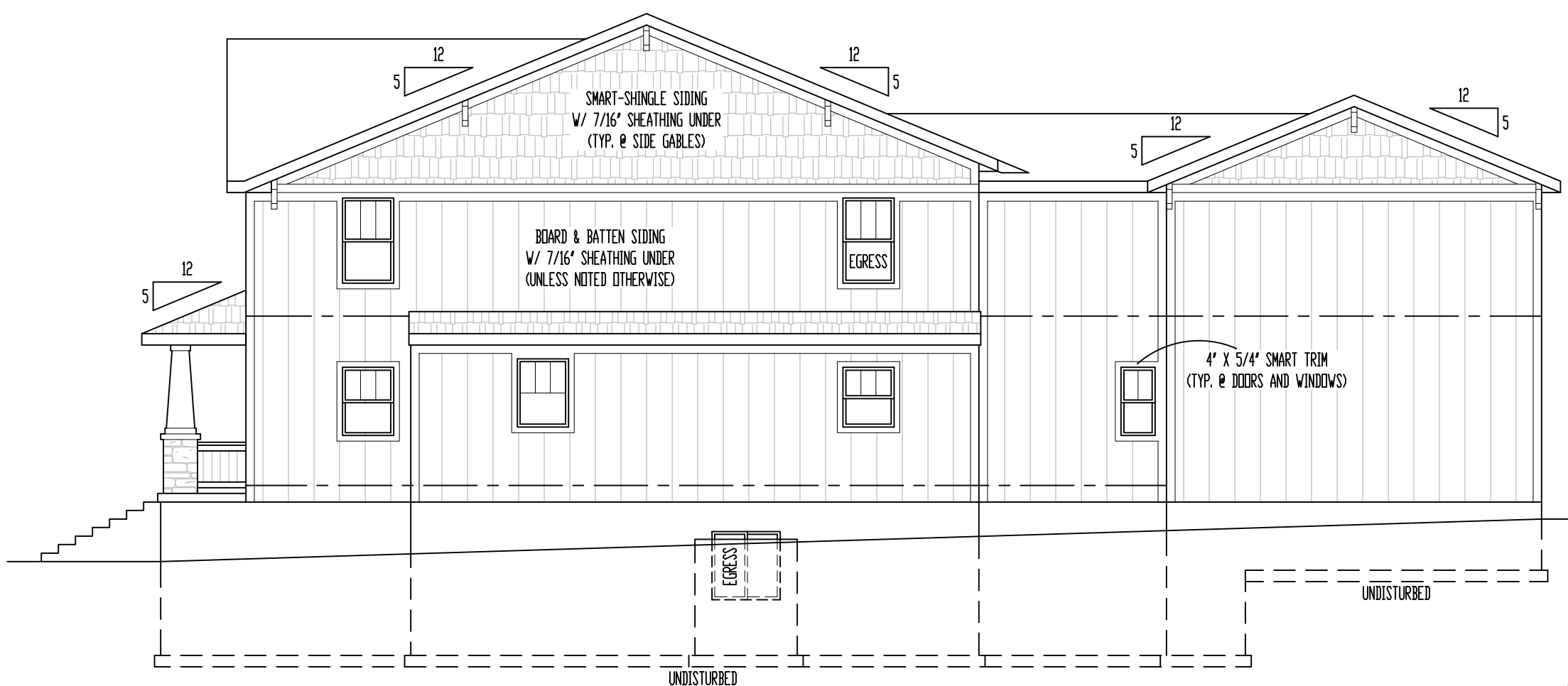
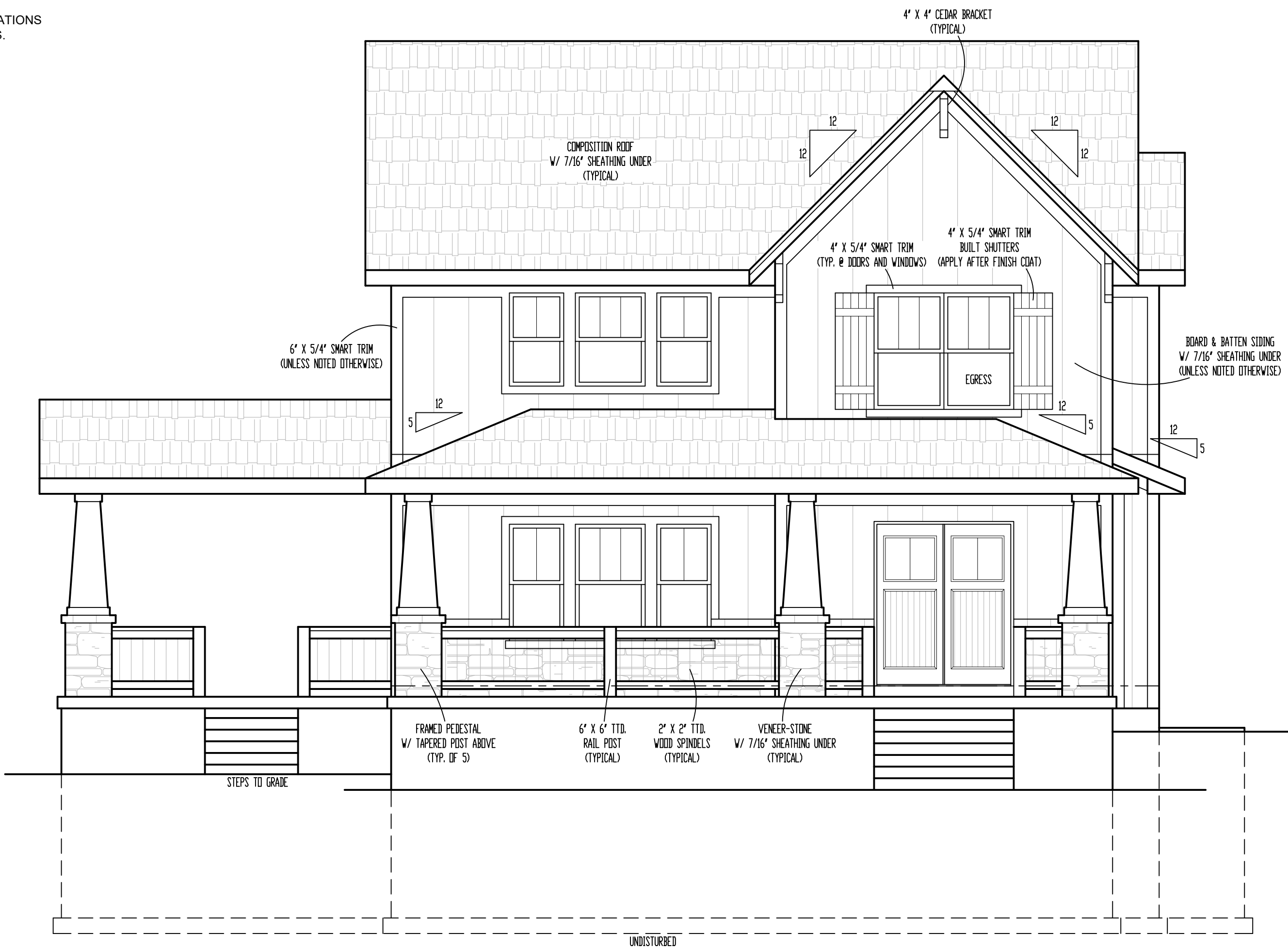


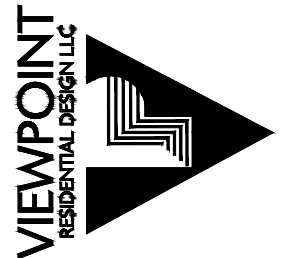
ONE-TIME-BUILD LICENSE AGREEMENT

NOTE: GOVERNING CODES &
GENERAL CONTRACTOR'S WRITTEN SPECIFICATIONS
TAKE PRECEDENCE OVER THESE PLANS.



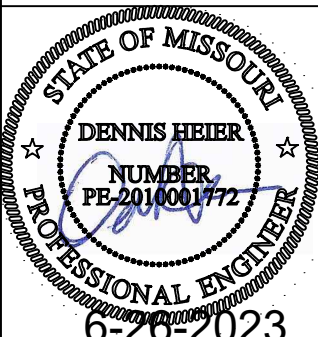
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"For God so loved the world, that he gave his only begotten Son, that whosoever believeth in him should not perish, but have everlasting life" (John 3:16).



Site Description:
**Lot 121, Pergola Park,
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Street Address:
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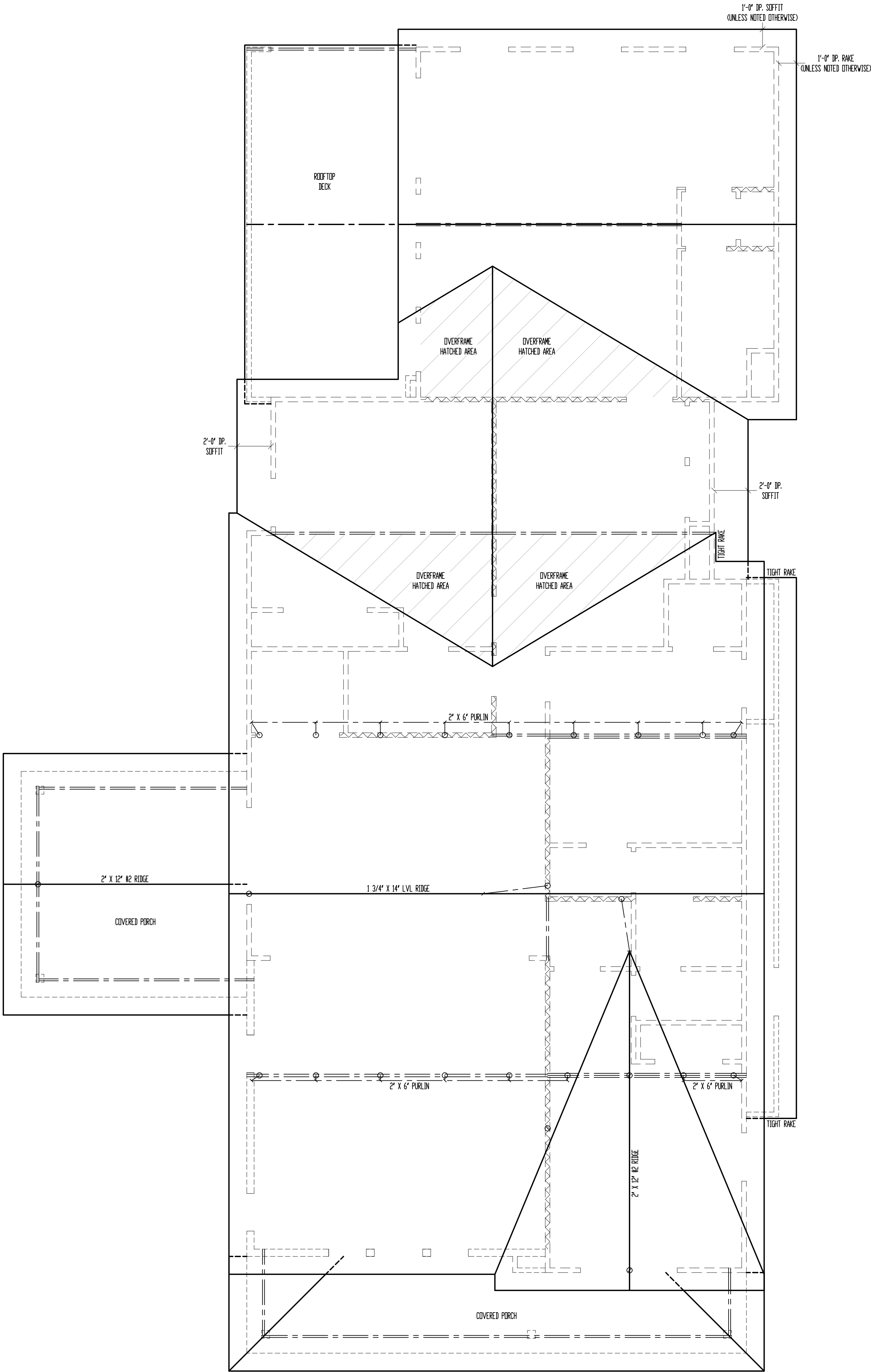
Designed for:
**Tim & Vanessa
McCLARAN**
Plan Title:
PGP121 McClaran



Date: 9 - 19 - AD 2022
Rev. 1: 6 - 23 - AD 2023
Rev. 2:
Rev. 3:

Sheet Title:
ELEVATIONS

Sheet No.:
A-1 of 5



ROOF

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

WALL RAFTERS SHALL BE 2" X 6" #2 @ 16" O.C., UNLESS NOTED OTHERWISE.

SEE DETAIL 7/532 FOR ALTERNATE RAFTER BEARING DETAIL WHEN RAFTERS ARE REQUIRED TO BEAR HIGHER THAN THE WALL DOUBLE TOP PLATE.

FLASHING NOTE:
Drip Edge, Valleys and Flashings to be Metal Clad.

ROOF NOTES:
ROOF DESIGNED FOR LIGHT ROOF COVERING
30psf TOTAL LOAD (0psf DL, 20psf LL (SL))

* RAFTERS (GEM-FIR, DOUG-FIR, OR EQUAL.)
SEE SPAN CHARTS BELOW

CODE MINIMUM		
RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN
#2-2x6	#24" O.C.	10'-7"
#2-2x6	#16" O.C.	14'-2"
#2-2x8	#24" O.C.	14'-8"
#2-2x8	#16" O.C.	17'-11"
#2-2x10	#24" O.C.	17'-10"
#2-2x10	#16" O.C.	21'-11"

NOTE: CODE MINIMUM ALLOWS FOR A RAFTER DEFLECTION OF L/180 TOTAL LOAD

HIGHER PERFORMANCE (RECOMMENDED)		
RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN
#2-2x6	#24" O.C.	8'-6"
#2-2x6	#16" O.C.	9'-2"
#2-2x8	#24" O.C.	10'-2"
#2-2x8	#16" O.C.	12'-2"
#2-2x10	#24" O.C.	14'-2"
#2-2x10	#16" O.C.	16'-2"

DEFLECTION = L/360 LIVE LOAD, L/240 TOTAL LOAD

- * VAULTS TO BE 2x10 DEPTH
- * RIDGE BOARDS ARE: (UNLESS OTHERWISE NOTED)
 - #2-2x8 UP TO 10/12 PITCH
 - #2-2x10 OVER 10/12 PITCH
- * ALL HIP & VALLEYS ARE: (UNLESS OTHERWISE NOTED)
 - #2-2x8 UP TO 10/12 PITCH
 - #2-2x10 OVER 10/12 PITCH
- * PURLINS ARE 2x6 MIN.
 - PURLIN STRUTS ARE AT 4'-0" O.C.
 - PURLIN STRUTS SHALL BE INSTALLED AT NOT LESS THAN A 45 DEGREE ANGLE WITH THE HORIZONTAL
 - ALL PURLIN STRUTS SHALL HAVE A MAXIMUM UNBRACED LENGTH OF 8'-0"
 - PURLIN STRUTS SHALL BE CONSTRUCTED IN A "Y" CONFIGURATION AND PER THE FOLLOWING CHART:

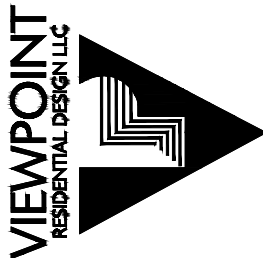
PURLIN STRUT	MAX PURLIN STRUT LENGTH
(2) 2x4	8'-0"
(1) 2x4 & (1) 2x6	12'-0"
(1) 2x6 & (1) 2x8	20'-0"
(2) 2x6 & (1) 2x8	30'-0"
CONSULT ARCH/ENGINEER >	30'-0"

- * RIDGE BRACES ARE SAME AS PURLIN BRACES:
SPACING, SIZE, CONFIGURATION, & INSTALLATION
(SEE PURLIN BRACE NOTES ABOVE)
- * HIP & VALLEY BRACES ARE SAME AS PURLIN
SIZE, CONFIGURATION, & INSTALLATION
(SEE PURLIN BRACE NOTES ABOVE)

- * VERTICAL BRACE IF NOT IS UNDER HIP OR VALLEY
- * SLASH IS TOP END OF BRACE (/ /)
DOT IS BOTTOM OF BRACE (o)
- * ~~~~~ DENOTES BEARING WALL
- * --- DENOTES ROOF BRACE
- * --- DENOTES PURLIN
- * --- DENOTES BEARING STRUCTURE

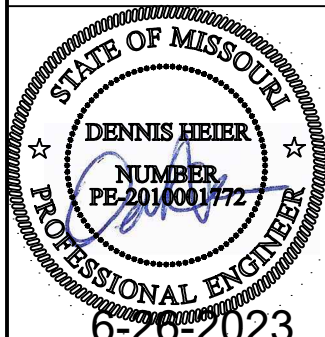
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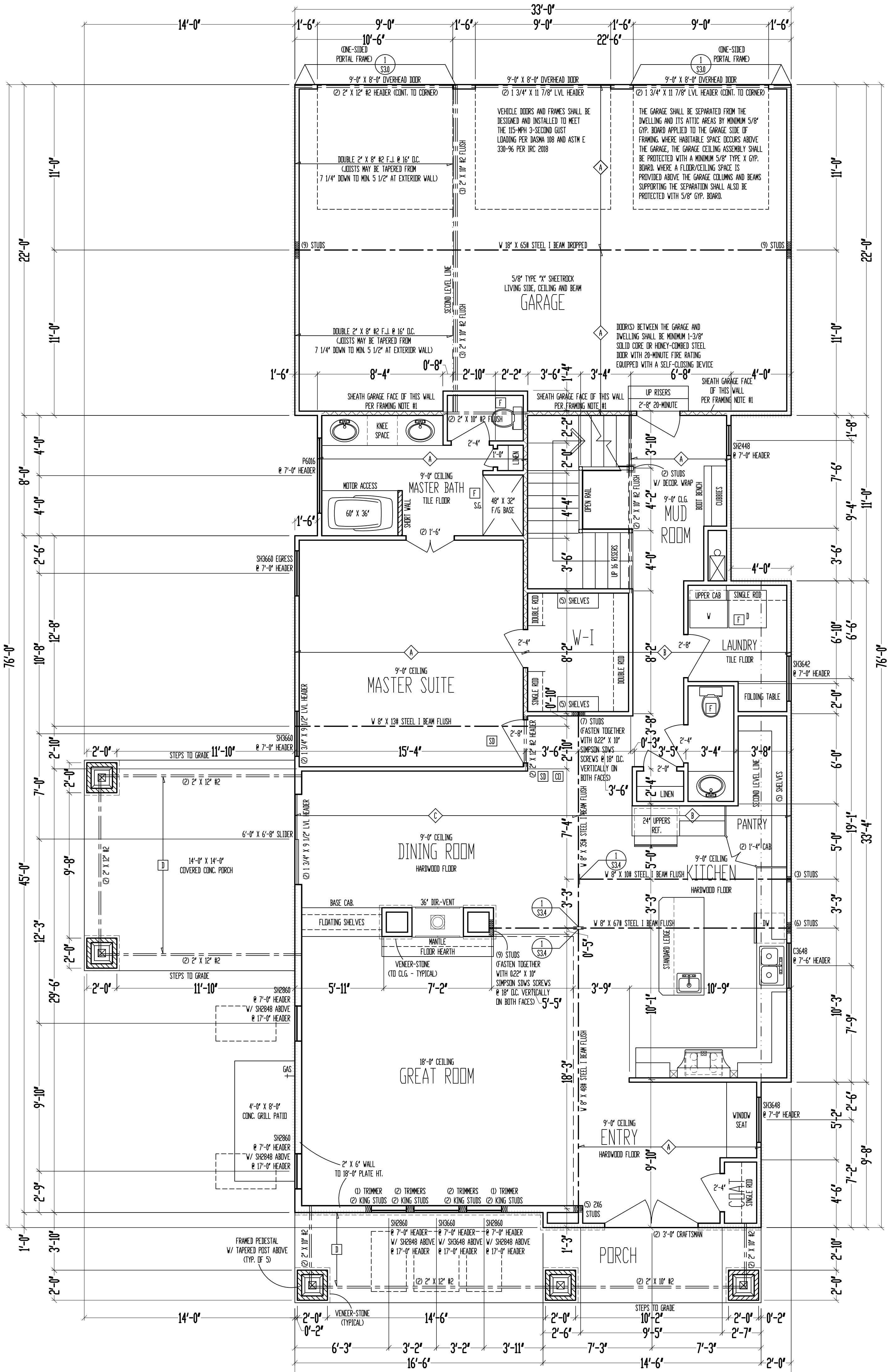
Designed for:
**Tim & Vanessa
McCLARAN**
Plan Title:
PGP121 McClaran



6-26-2023
Date: 6-19-AD 2022
Rev. 1: 6-23-AD 2023
Rev. 2:
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Sheet Title:
ROOF PLAN

Sheet No.:
A-2 of 5



9'-0" CEILING
2' X 10" FLOOR SYSTEM ABOVE
MAIN LEVEL
SCALE: 1/4" = 1'-0"

MAIN LEVEL: 1796 SQ. FT.
SECOND LEVEL: 1210 SQ. FT.
CARRIAGE HOUSE: 490 SQ. FT.
LOWER LEVEL: 913 SQ. FT.
TOTAL: 4409 SQ. FT.

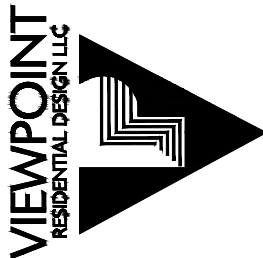
GARAGE: 711 SQ. FT.
COV. OUT/LIV: 196 SQ. FT.
ROOF TOP DECK: 229 SQ. FT.
UNFIN. BASEMENT: 604 SQ. FT.

- ===== WALL BRACING PER FRAMING NOTE #1 AND PER CALCULATIONS ON SHEET SLL
- FRAMING NOTES
- MAIN LEVEL EXTERIOR WALLS SHALL BE SHEATHED W/ 7/16" OSB APA PANELS W/ 8d COMMON NAILS @ 4" O.C. AT EDGES & @ 12" O.C. IN THE FIELD. SMART PANEL, OR EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - ===== = 6x12" MIN. GYPSON BOARD OVER STUDS SPACED 24" MAX. FASTENED W/ NO. 6 - 1 1/4" TYPE V OR S DRILL WALL SCREWS @ 7" O.C. EDGES & FIELD, MIN. 8'-0" SECTIONS ONE SIDE OF WALL (NO MIN. 4'-0" SECTION FOR BOTH SIDES)
 - ////////// = LOAD BEARING INTERIOR WALL.
 - @ 2" X 10" #2 HEADER AT ALL EXTERIOR AND LOAD BEARING WALLS, UNLESS NOTED OTHERWISE.
 - LOW TIES @ 4'-0" O.C. (TYPICAL)
 - RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS.
 - BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH JOIST MATERIAL (NOT REQUIRED WITH I-JOISTS).
 - PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS.
 - ALL DISCOUNTED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND WINDOW OPENINGS.
 - ALL UNUSUAL WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE.
 - ALL WALLS TO BE FRAMED W/ MIN. STUD GRADE 2" X 4'S @ 16" O.C., UNLESS NOTED OTHERWISE.
 - EXTERIOR WALL BOTTOM PLATES SHALL BE NAILED TO FRAMING BELOW WITH 16d COMMON NAILS @ 9" O.C. MAX. (WHERE APPLICABLE)
 - LVL'S SHOWN IN PLANS MAY BE REPLACED WITH 18"/16" GRADE 24F-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS:
@ 1 3/4" LVL PLIES = 3 1/2" GLULAM
@ 1 3/4" LVL PLIES = 5 1/2" GLULAM
 - CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY OPENINGS.

JOIST SCHEDULE	
A	2" X 10" #2 FLOOR JOIST @ 16" O.C.
B	2" X 10" #2 FLOOR JOIST @ 16" O.C. - DOUBLE EVERY OTHER
C	2" X 10" #2 FLOOR JOIST @ 16" O.C. - DOUBLED
D	2" X 6" #2 CEILING JOIST @ 16" O.C.

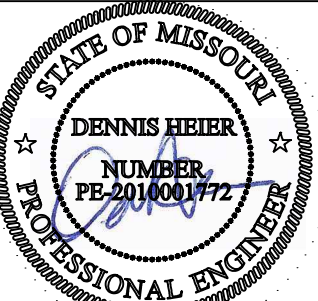
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**Lot 121, Pergola Park,
New Longview**
Street Address:
**3254 SW Pergola Park Dr.,
Lee's Summit, Missouri**

Designed for:
**Tim & Vanessa
McCLARAN**
From Title:
PGP121 McClaran



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Date: 9 - 19 - AD 2022
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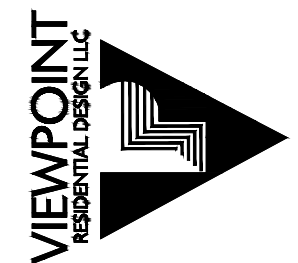
Sheet Title:
**MAIN LEVEL
PLAN**

Sheet No.:
A-3 of 5

[illegible]

JOIST SCHEDULE	
D	2" X 6" #2 CEILING JOIST @ 16" O.C.
E	2" X 8" #2 CEILING JOIST @ 16" O.C.

*"For God so loved
the world, that he
gave his only
begotten Son,
that whosoever
believeth in him
should not perish,
but have
everlasting life"
(John 3:16).*



Site Description:
**Lot 121, Pergola Park,
New Longview**

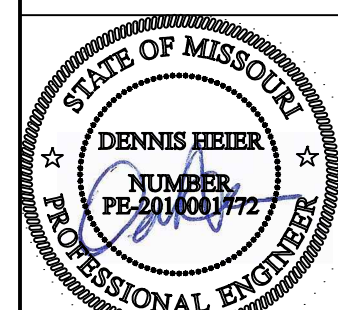
Street Address:
**33254 SW Pergola Park Dr
Lee's Summit, Missouri**

Designed for:

**Tim & Vanessa
McCLARAN**

Plan Title:

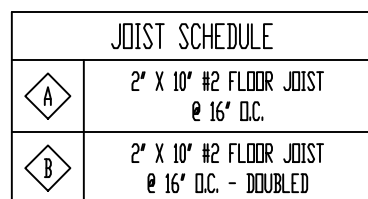
PGP121 McClaran



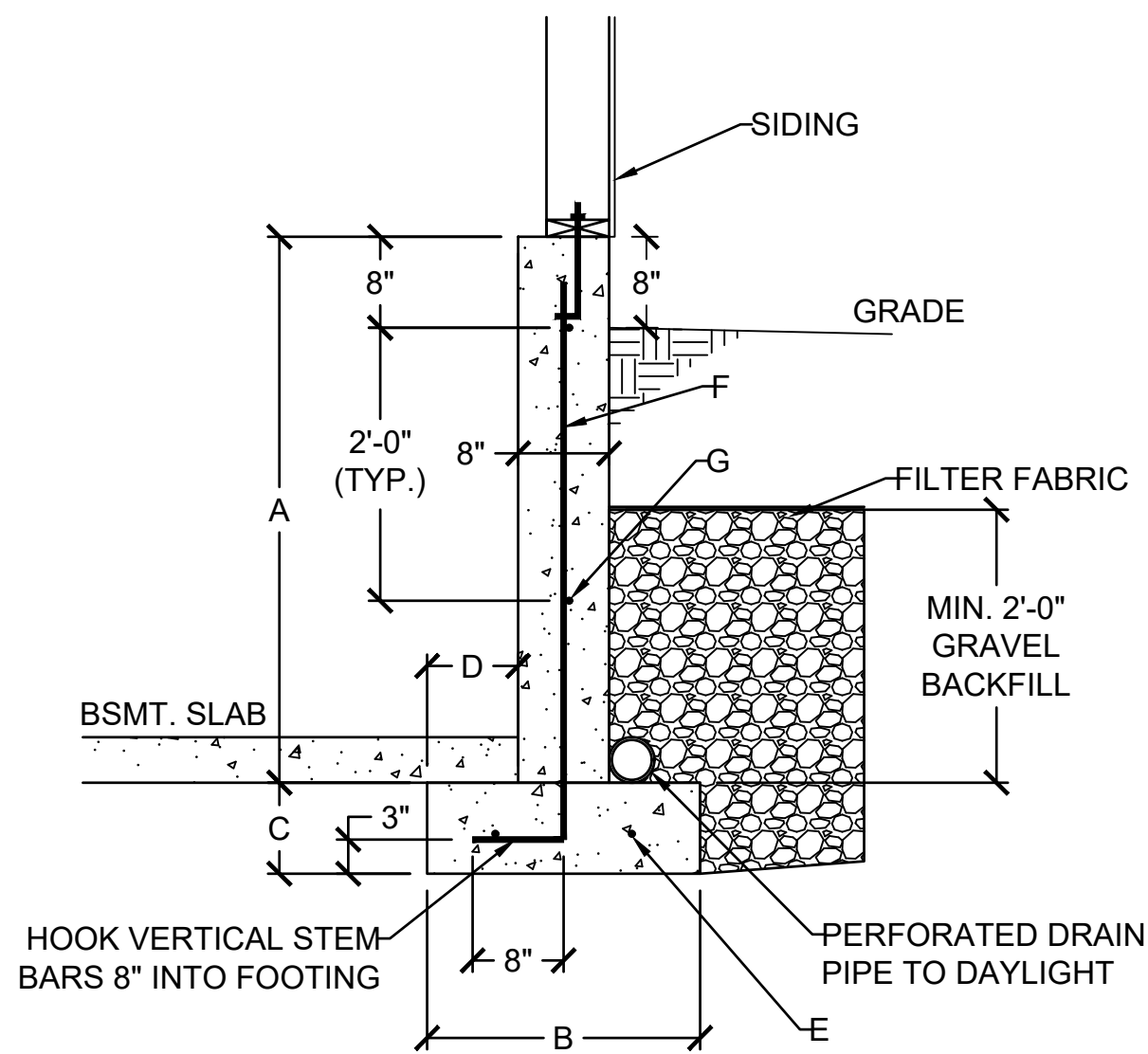
6-28-2023
Date: 9 - 19 - AD 2022
Rev. 1: 6 - 23 - AD 2023
Rev. 2:
Rev. 3:

Sheet Title:
**SECOND LEVEL
PLAN**

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A-4 of 5

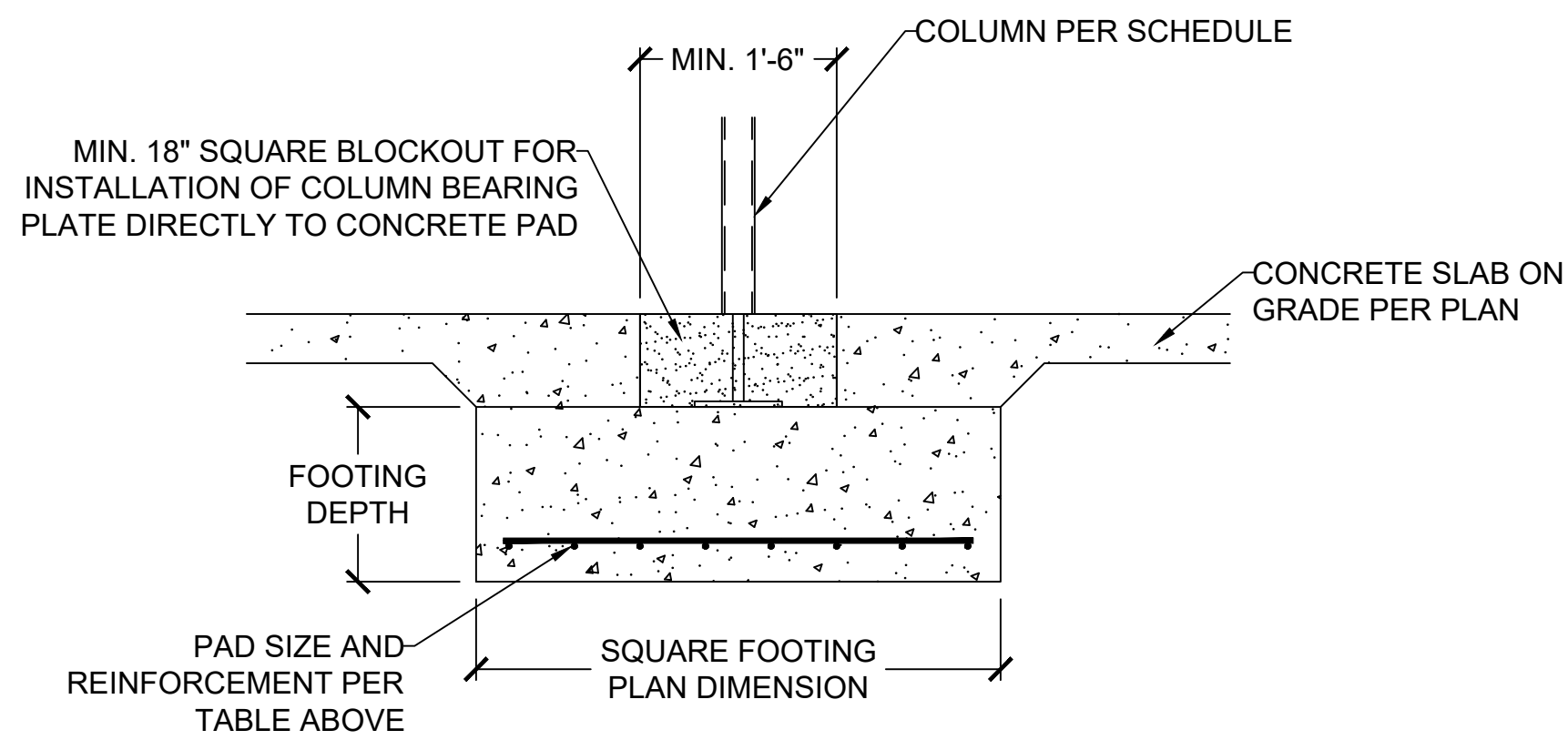


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A-5 of 5

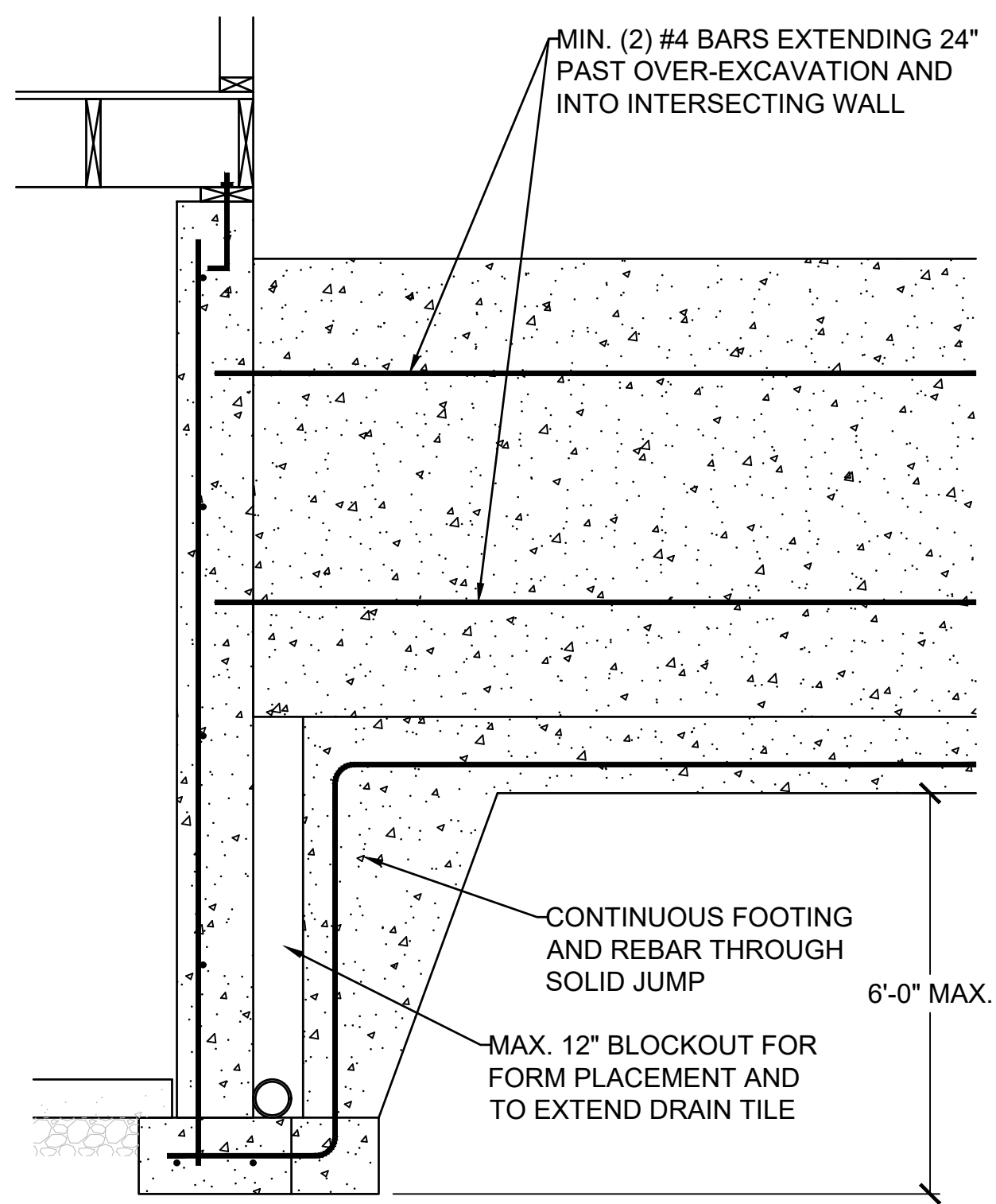


DAYLIGHT BASEMENT WALL SCHEDULE						
A	B	C	D	E	F	G
4'-0"	1'-6"	0'-8"	0'-5"	(2) #4	#4 VERT. @ 12" O.C.	(2) #4 HORIZ.
5'-0"	2'-0"	0'-8"	0'-7"	(2) #4	#4 VERT. @ 12" O.C.	(3) #4 HORIZ.
6'-0"	2'-6"	0'-8"	0'-10"	(3) #4	#4 VERT. @ 12" O.C.	(3) #4 HORIZ.

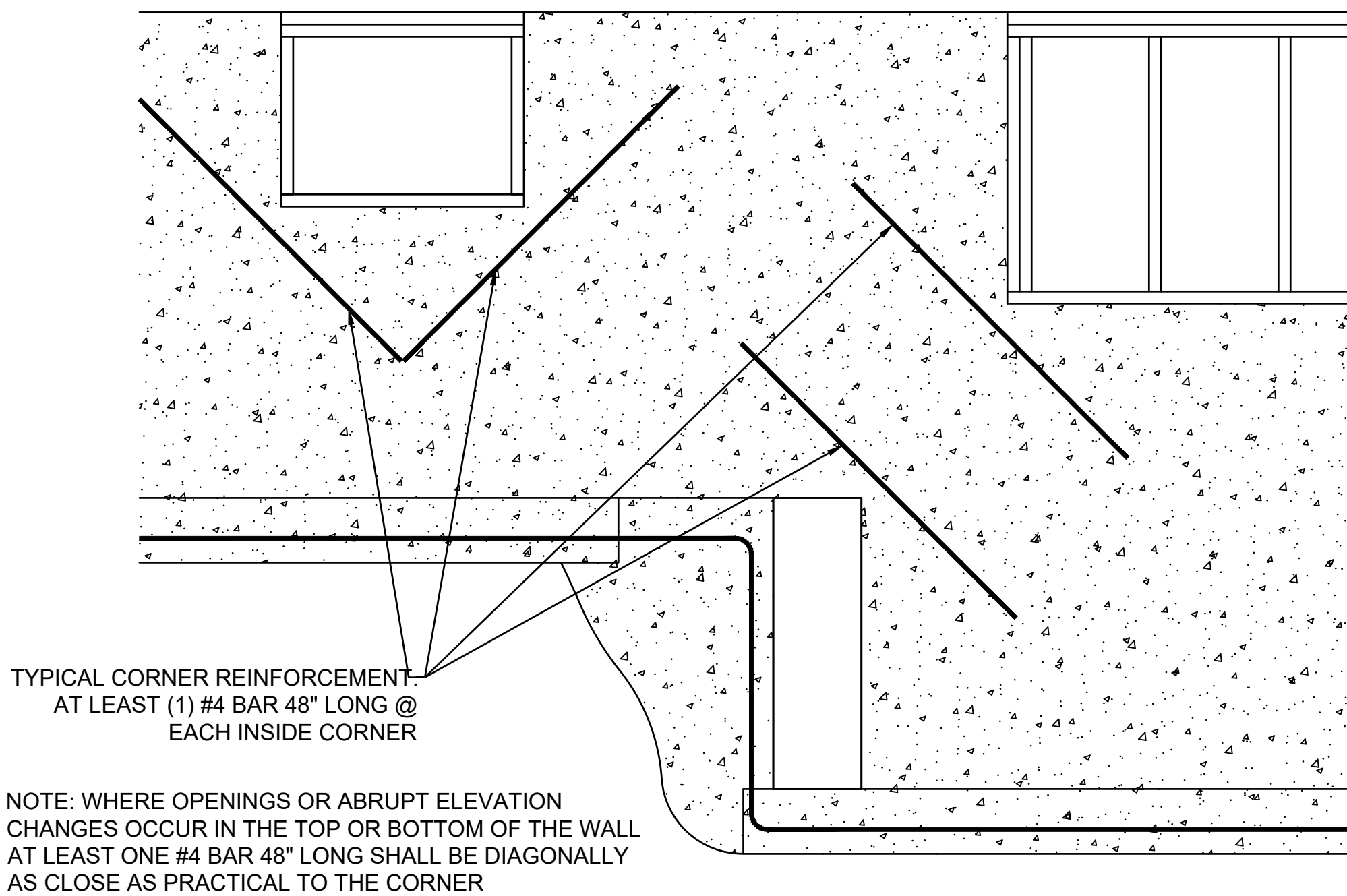
1 DAYLIGHT WALL CONSTRUCTION
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



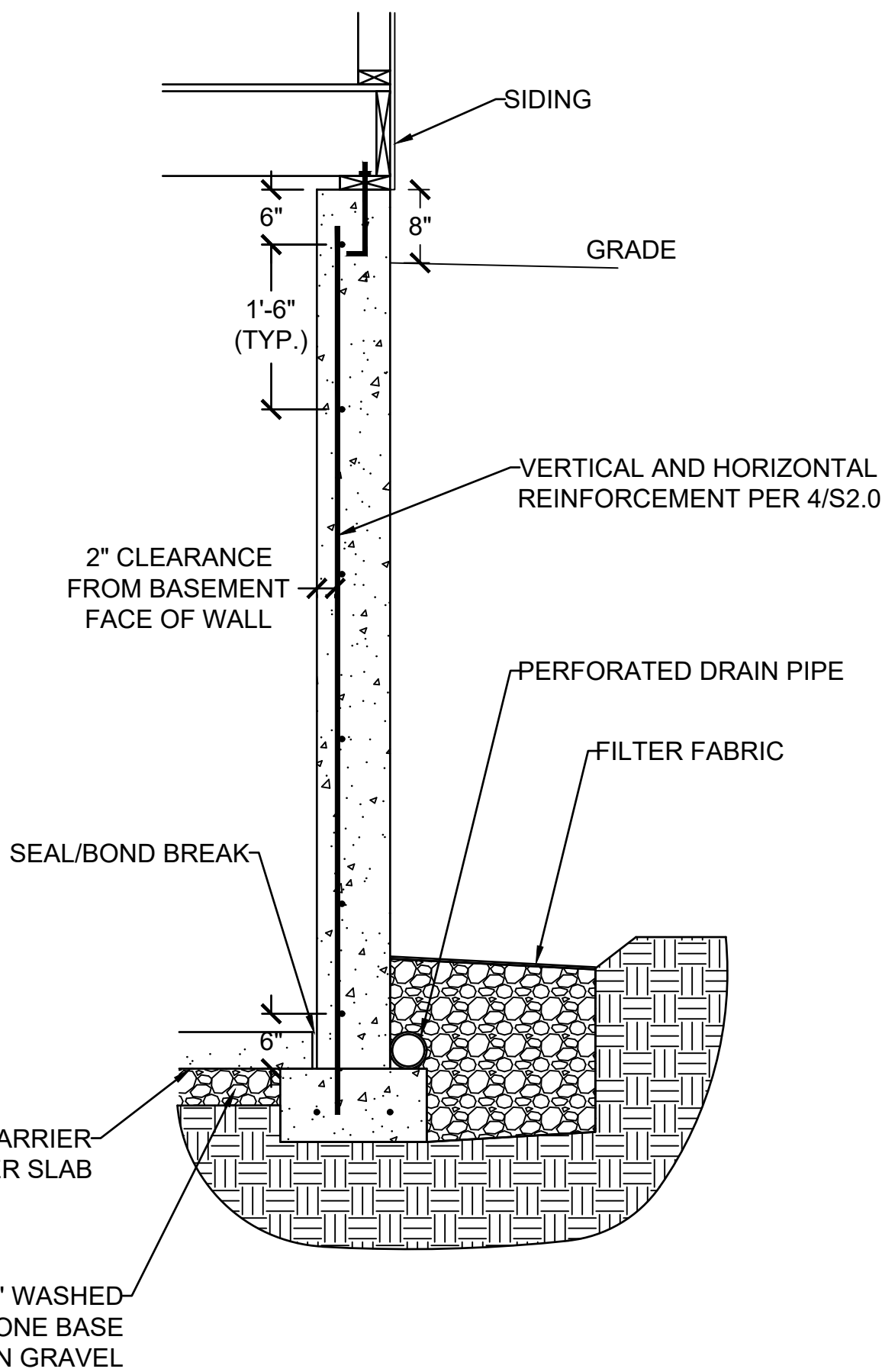
2 COLUMN AND BEARING PAD SCHEDULE
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



5 SOLID JUMP
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



6 REINFORCEMENT AT OPENING CORNERS AND STEP CORNERS @ INSIDE CORNERS
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



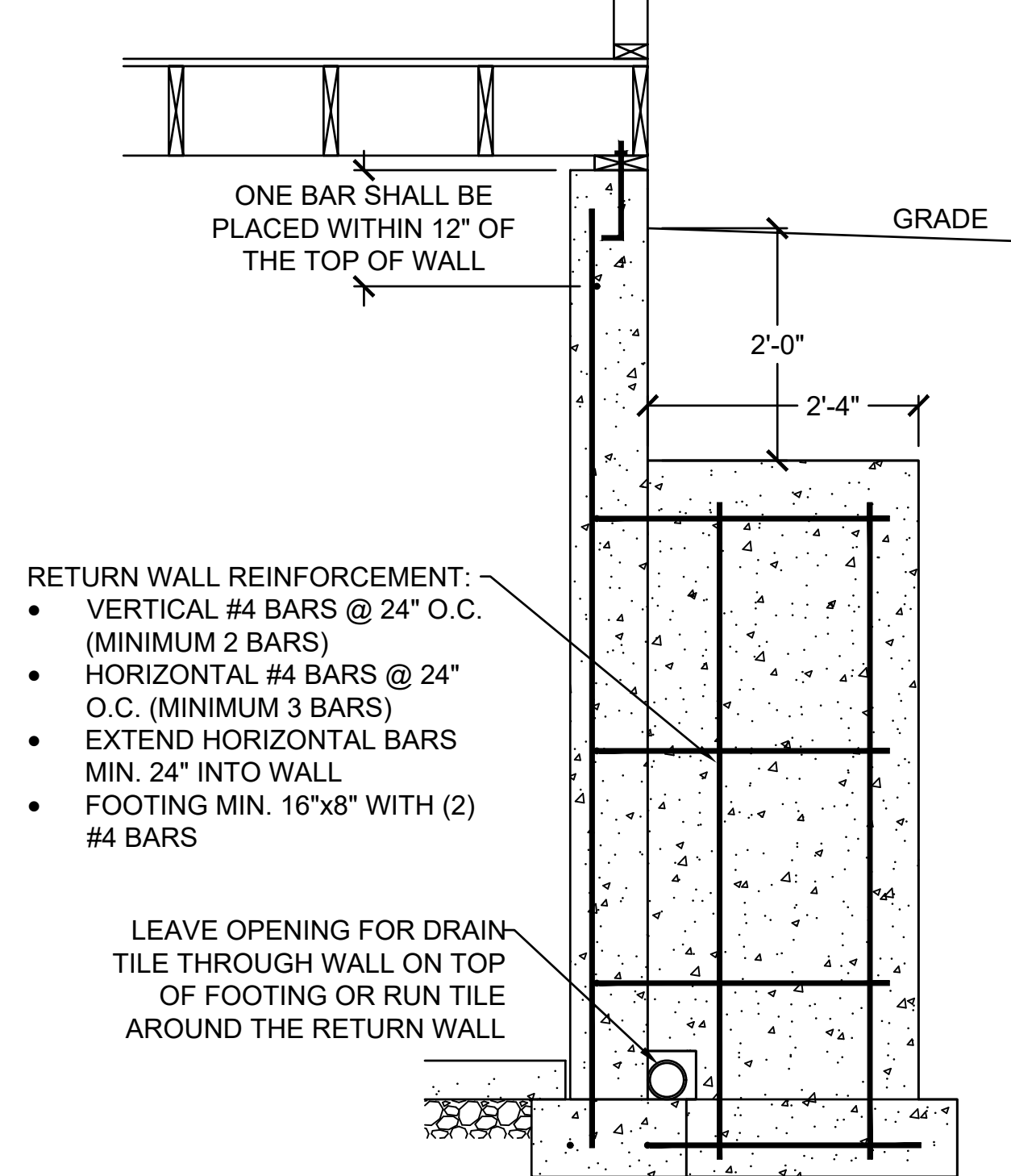
3 CONCRETE WALL SECTION
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

VERTICAL REINFORCEMENT SPACING						
CONCRETE STRENGTH/GRADE REINFORCEMENT (#4 BARS)	8" THICK WALL			10" THICK WALL		
	8'	9'	10'	8'	9'	10'
3,000 PSI/ GRADE 40	24	24	16	24	24	18
3,500 PSI/ GRADE 40	24	24	16	24	24	18
3,000 PSI/ GRADE 60	24	24	16	24	24	18
3,500 PSI/ GRADE 60	24	24	16	24	24	18
HORIZONTAL REINFORCEMENT - MINIMUM GRADE 40 STEEL						
ONE BAR 12" FROM TOP OF WALL; MAX. SPACING 24" OC	6-#4	7-#4	7-#4	6-#4	7-#4	7-#4

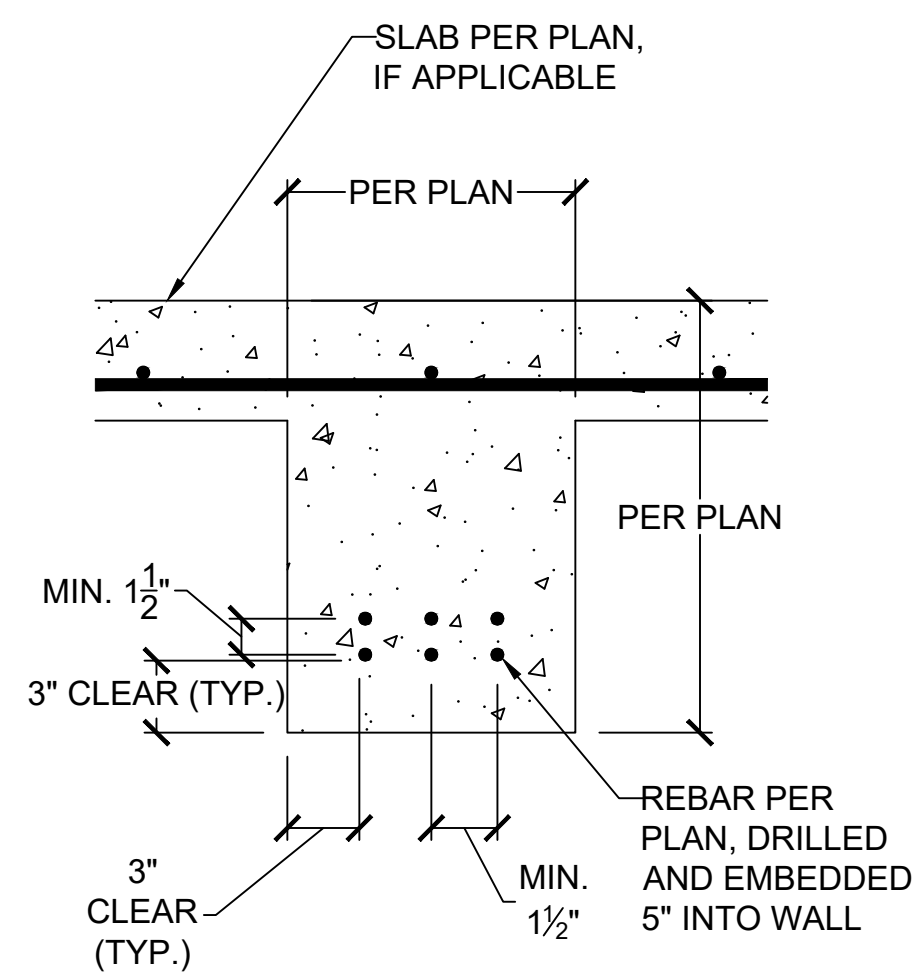
- FOOTNOTES:
- WALL HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE FLOOR SLAB
 - VERTICAL REINFORCEMENT FOR CONCRETE WALLS THAT ARE NOT FULL HEIGHT, AND FOR REINFORCEMENT SPACING 24" OC, REINFORCEMENT MAY BE PLACED IN THE MIDDLE OF THE WALL. OTHER WALLS SHALL HAVE VERTICAL REINFORCEMENT AS FOLLOWS:
 - 8" WALL - MINIMUM 5" FROM THE OUTSIDE FACE
 - 10" WALL - MINIMUM 6 1/4" FROM THE OUTSIDE FACE
 - EXTEND BARS TO WITHIN 8" OF THE TOP OF THE WALL
 - REINFORCEMENT CLEARANCES:
 - CONCRETE EXPOSED TO EARTH - MINIMUM 1 1/2"
 - NOT EXPOSED TO WEATHER (INTERIOR SIDE OF WALLS) - 3/4"
 - CONCRETE EXPOSED TO WEATHER (TOP CLEARANCE IN GARAGE AND DRIVEWAY SLABS) - 1 1/2"
 - HORIZONTAL REINFORCEMENT:
 - ONE BAR SHALL BE PLACED WITHIN 12" OF THE TOP OF THE WALL
 - OTHER BARS SHALL BE EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" OC
 - HORIZONTAL BARS SHOULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE (INTERIOR) AND BEHIND THE VERTICAL REINFORCEMENT (I.E. 2" TOWARD THE INSIDE)
 - SUPPLEMENTAL REINFORCEMENT AT CORNERS - PLACE (1) #4 BAR 48" LONG AT 45 DEGREE ANGLE AT CORNERS OF OPENINGS. PLACE REINFORCEMENT WITHIN 6" OF THE EDGE OF INSIDE CORNERS.
 - REINFORCEMENT SHALL BE LAPPED A MINIMUM 24" AT ENDS, SPLICES, AND AROUND CORNERS.
 - AT MASONRY LEDGES THE MINIMUM WALL THICKNESS SHALL BE 3 1/2". LEDGES SHALL NOT EXCEED A DEPTH OF MORE THAN 24" BELOW THE TOP OF THE WALL. FOR WALL THICKNESSES LESS THAN 4" PROVIDE #4 BARS AT MAX. 24" OC TO WITHIN 8" OF THE TOP OF THE WALL.
 - STRAIGHT WALLS MORE THAN 5' TALL AND MORE THAN 16 FEET LONG SHALL BE PROVIDED WITH EXTERIOR BRACED RETURN WALLS. WALL LENGTH SHALL BE MEASURED USING INSIDE THE SHORTEST DIMENSION BETWEEN INTERSECTING WALLS
 - WALL SHALL NOT BE BACKFILLED UNTIL FLOOR SYSTEM AND DIAPHRAGM ARE IN PLACE

4 FOUNDATION WALL REINFORCEMENT TABLE
S2.0 NO SCALE

NOTE: WHERE FLOOR JOIST RUNS PARALLEL TO FDN WALL, SOLID BLOCK OUTSIDE 3 JOIST SPACES @ 36" OC ALIGNING BLOCKING WITH THE ANCHOR BOLT



7 RETURN WALL DETAIL
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



8 CONCRETE GRADE BEAM
S2.0 SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)



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* DENNIS@VISTASTRUCTURAL.COM * VISTASTRUCTURAL.COM

CLIENT: BELLAH HOMES

JOB TITLE: PGP121 McCLARAN

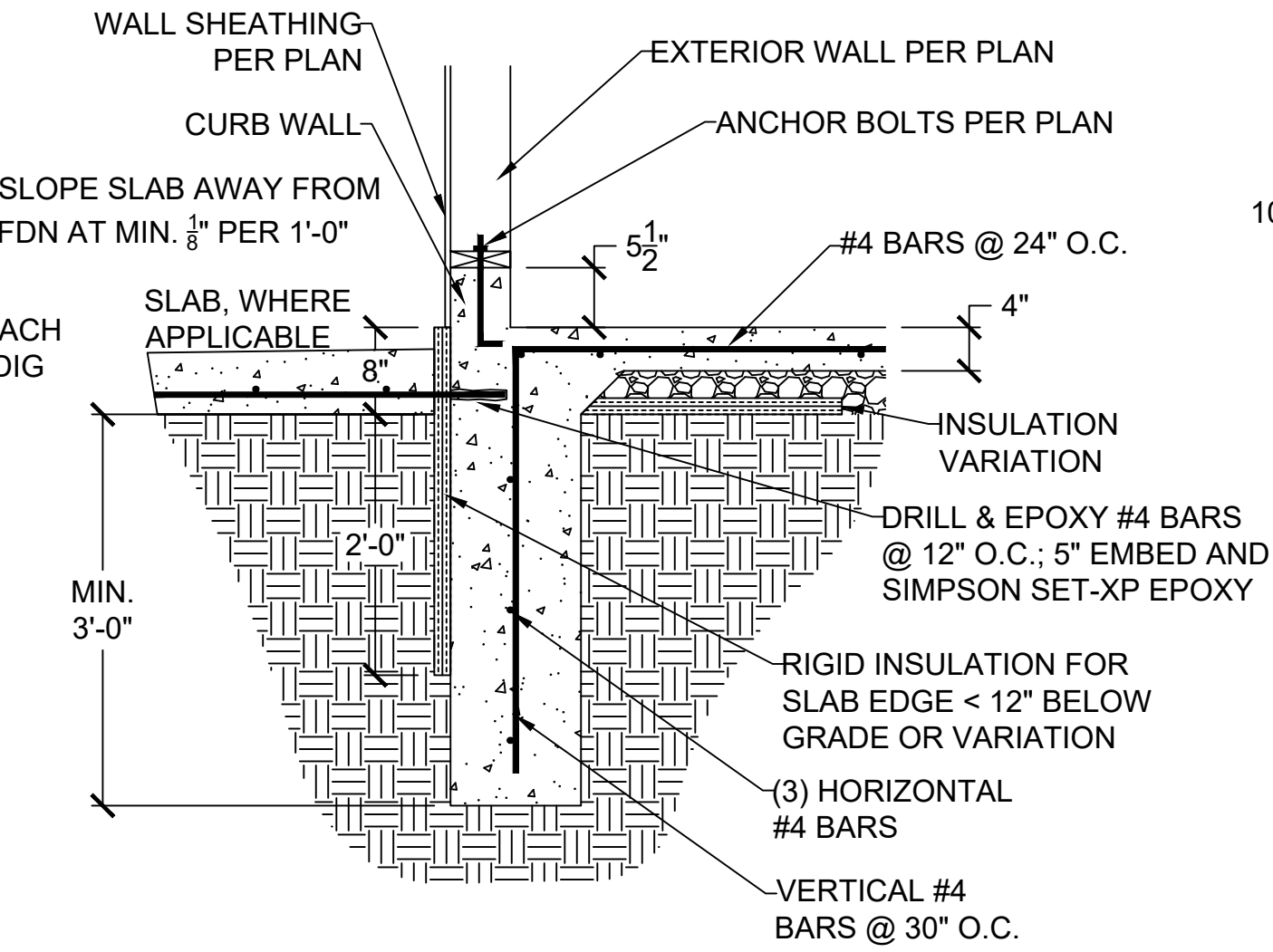
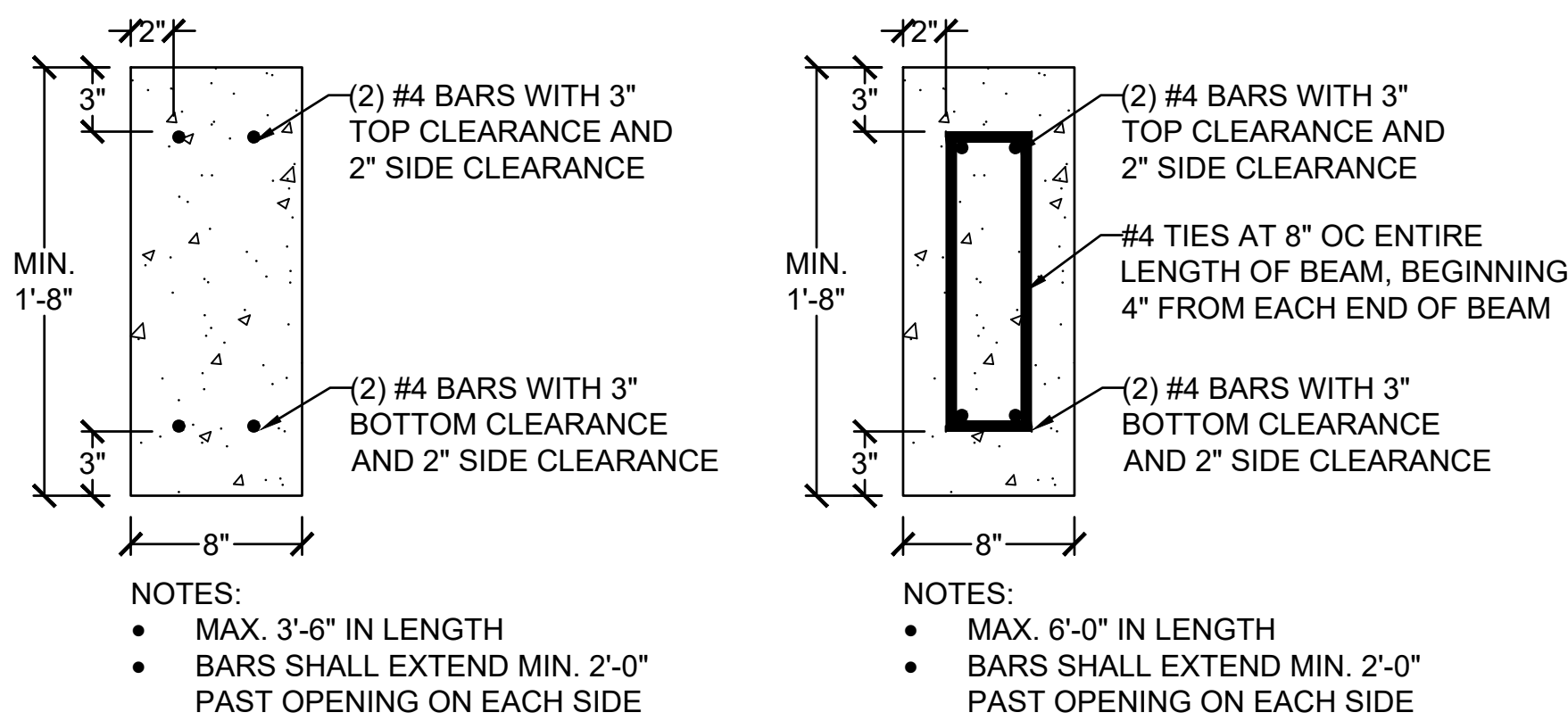
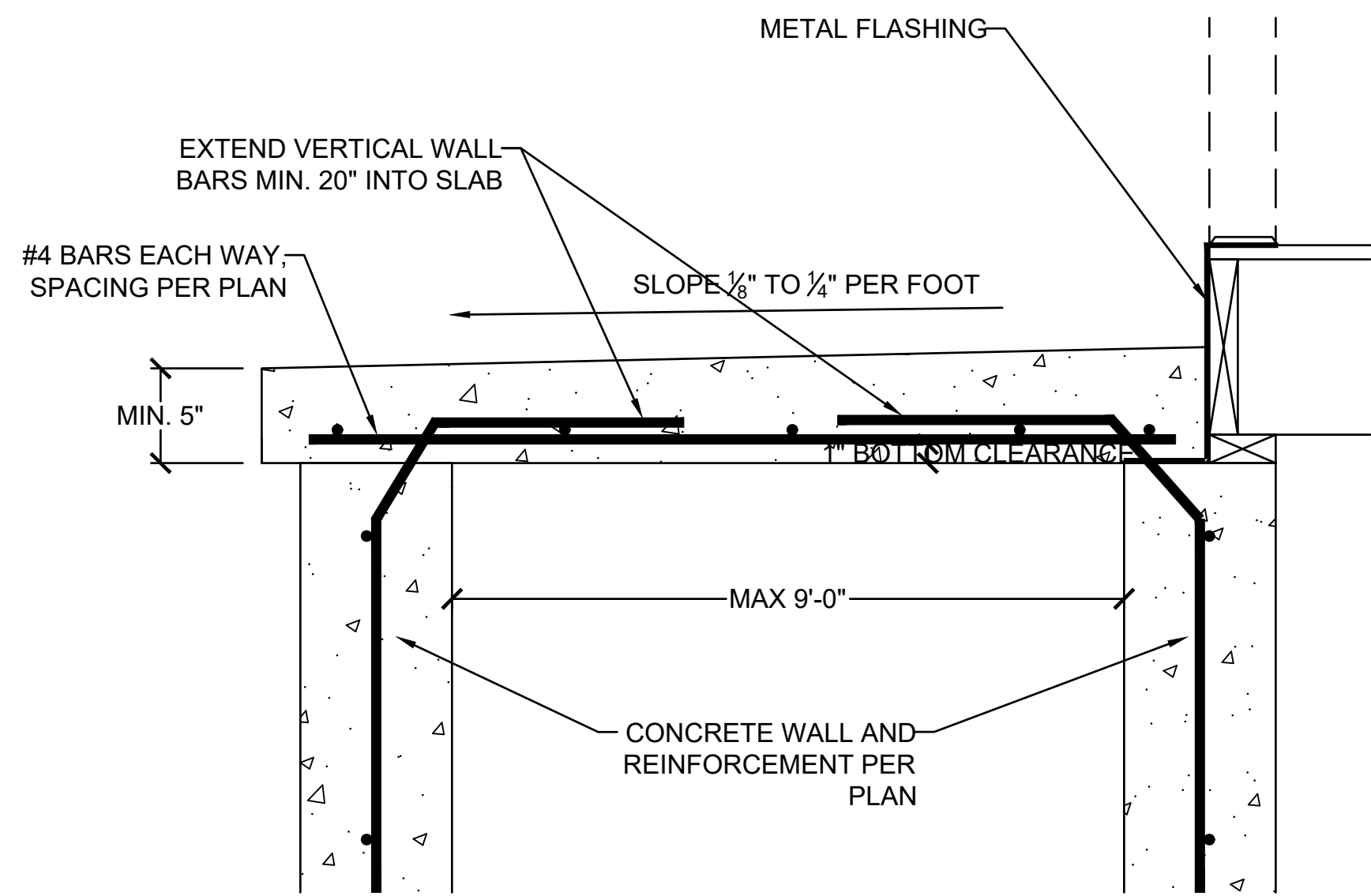
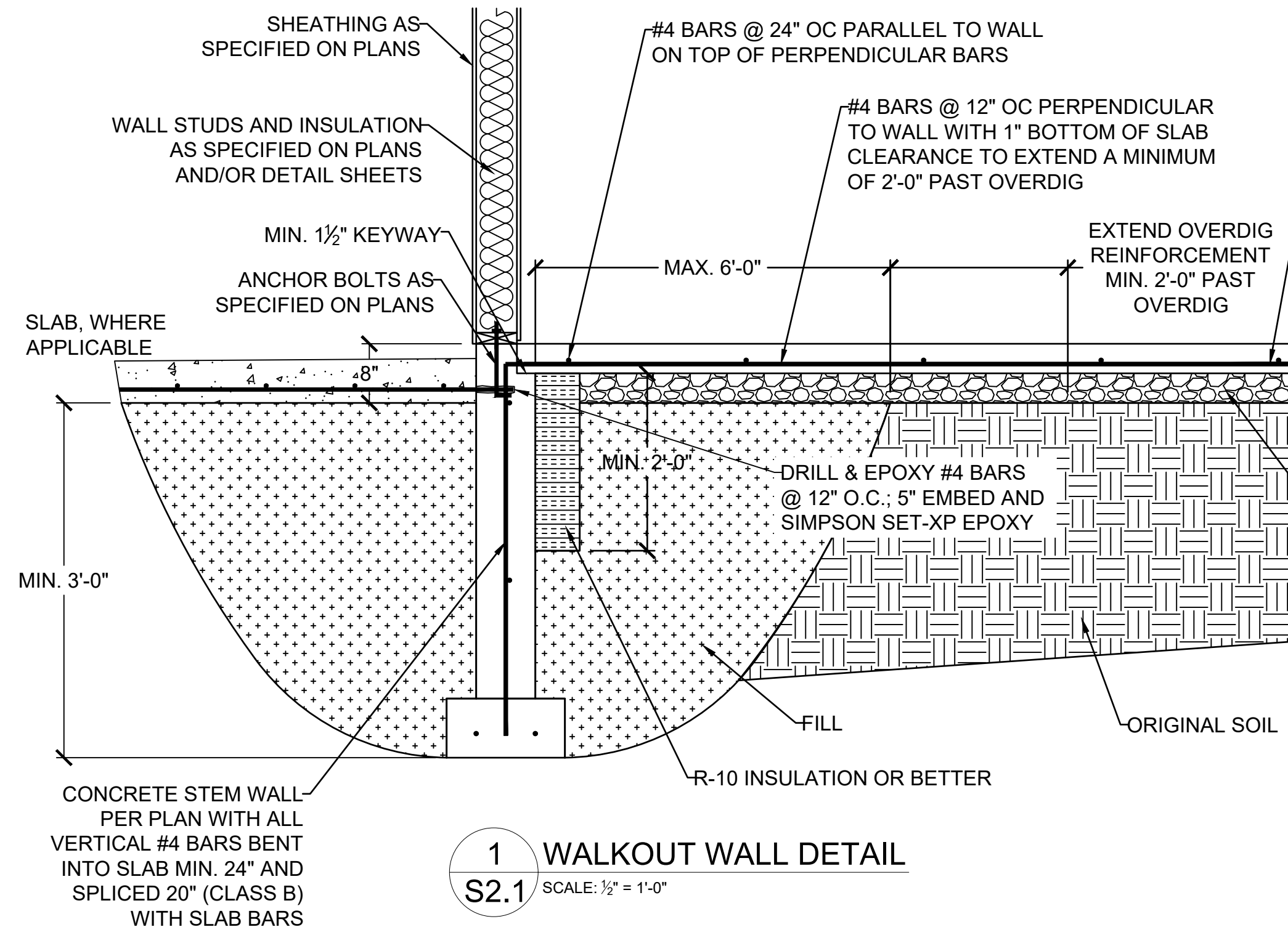
LOT 121, PERGOLA PARK, NEW LONGVIEW

LOCATION: 3254 SW PERGOLA PARK DR.
LEE'S SUMMIT, MISSOURI

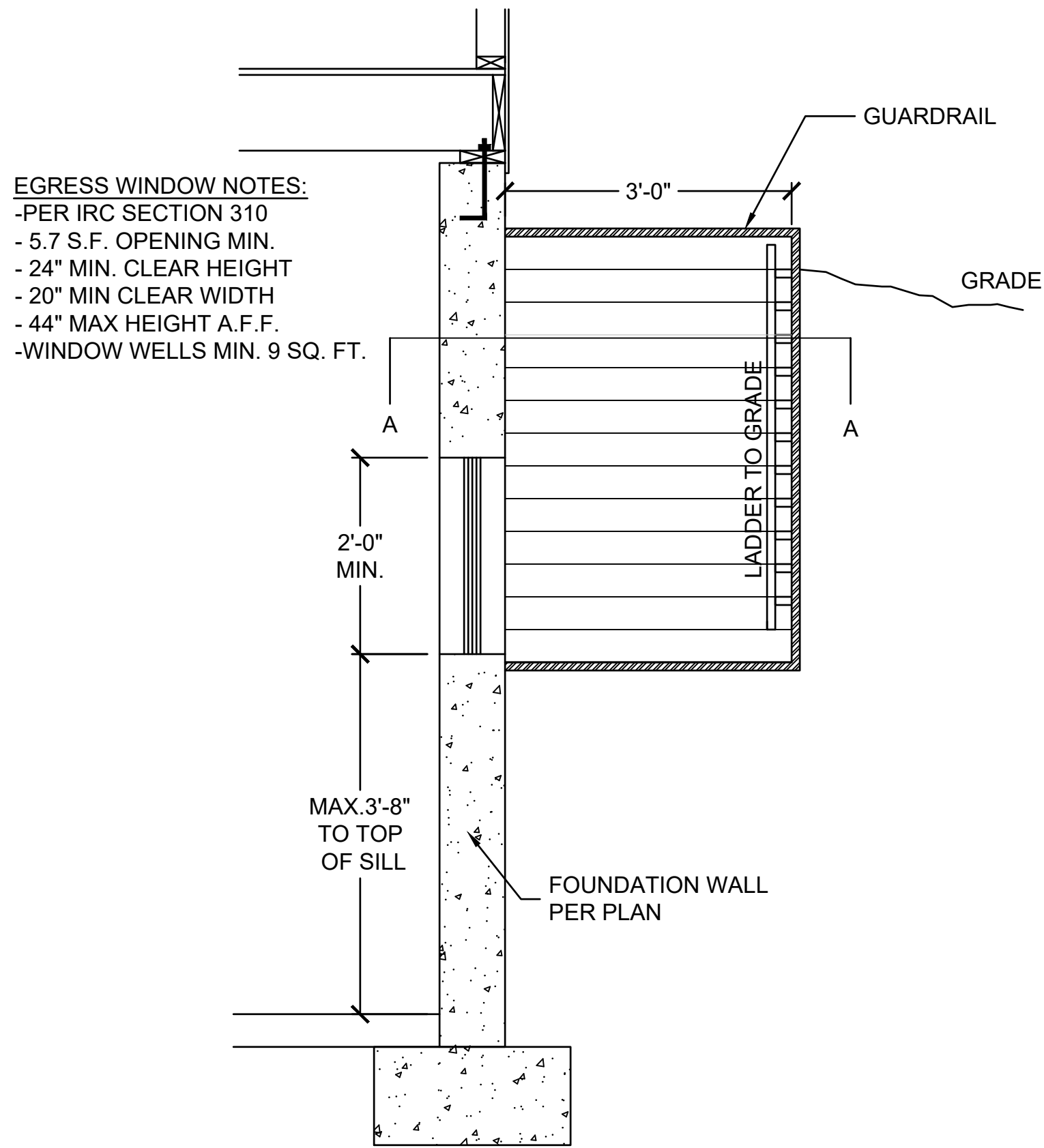


NO.	DATE	REVISION	BY
DRAWING TITLE			
FOUNDATION DETAILS			
ENGINEER: DMH		CHECKED BY: DMH	
JOB NO.		DRAWN BY: DMH	
DATE: 06-26-23			
SHEET NUMBER			

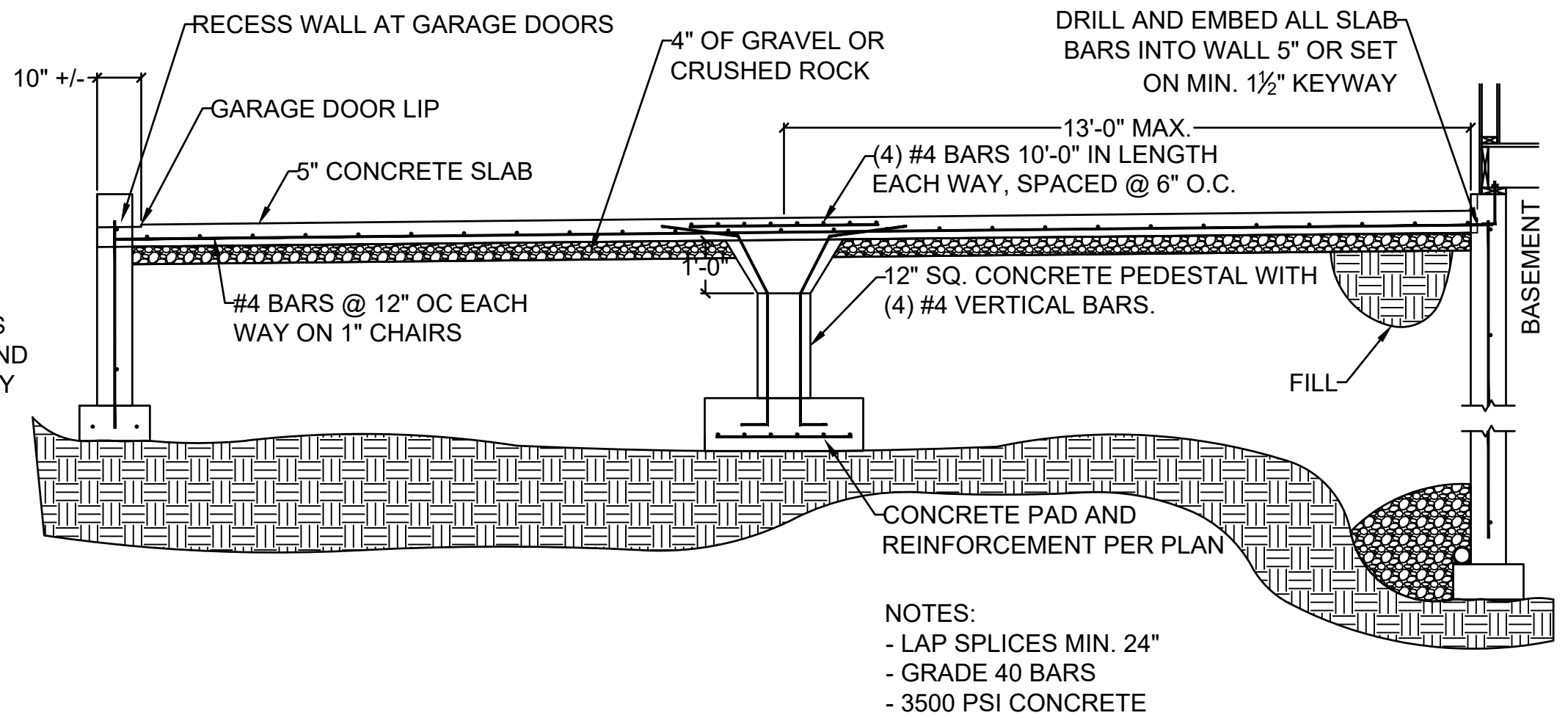
S2.0



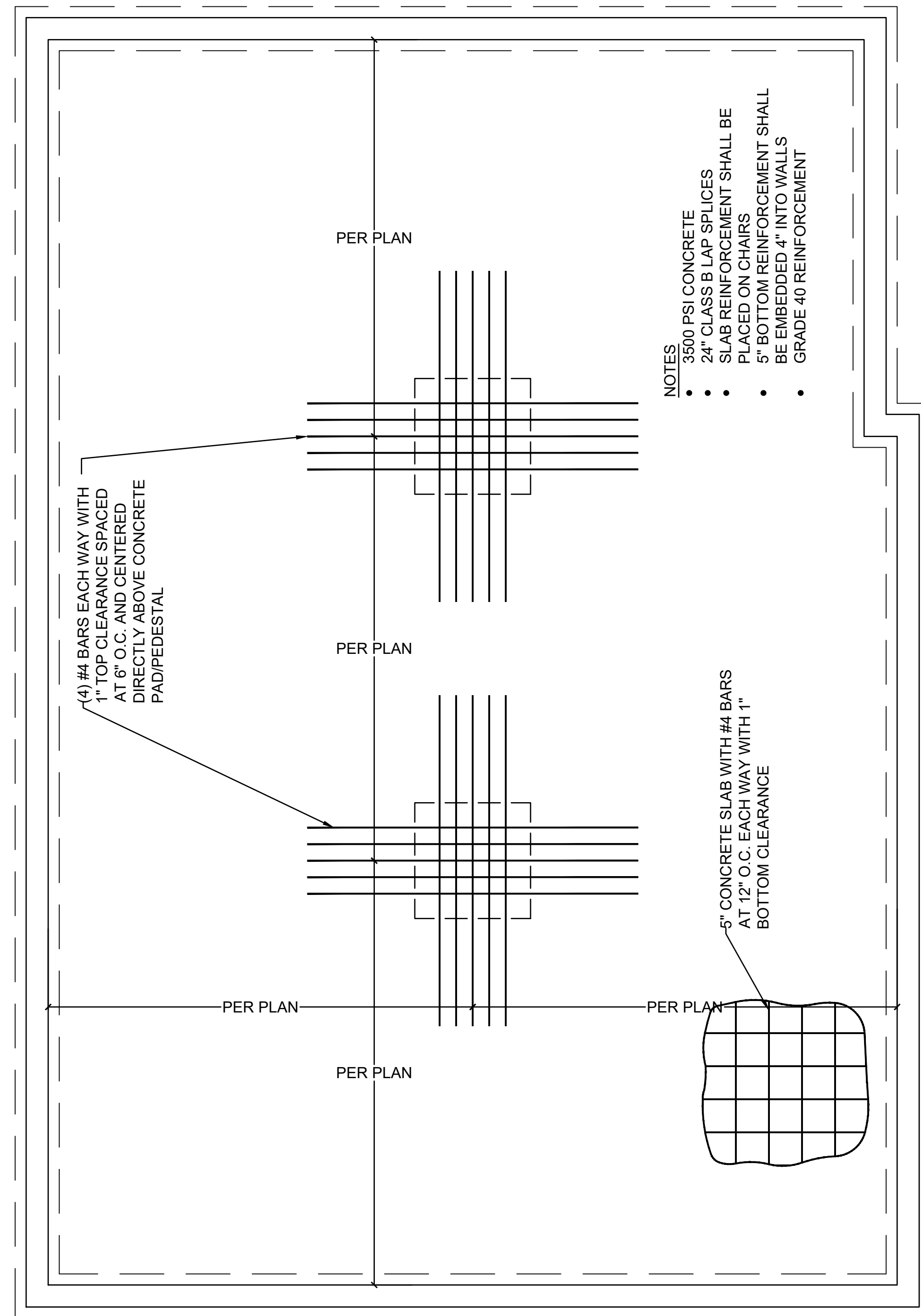
1 WALKOUT FOUNDATION DETAIL
S2.1 SCALE: 1/2" = 1'-0"
(ALTERNATE)

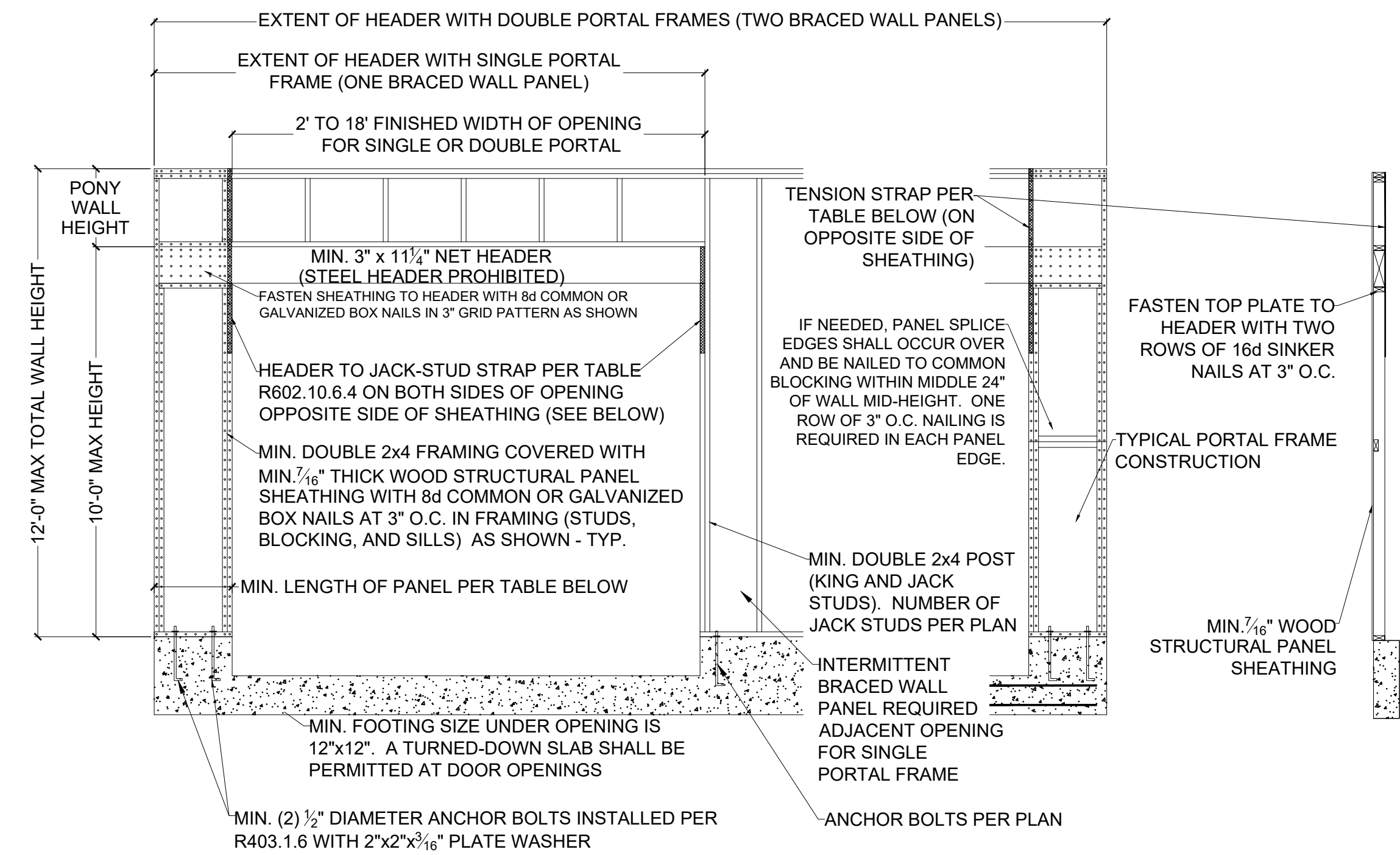


5 EGRESS WINDOW WELL ELEVATION AND PLAN DETAILS
S2.1 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



2 GARAGE SLAB ON FILL
S2.1 SCALE: 1/4" = 1'-0" (18x24) OR 3/8" = 1'-0" (24x36)





2 METHOD PFG (PORTAL FRAME AT GARAGE
S3.0 DOOR) - PER FIGURE IRC R602.10.6.3

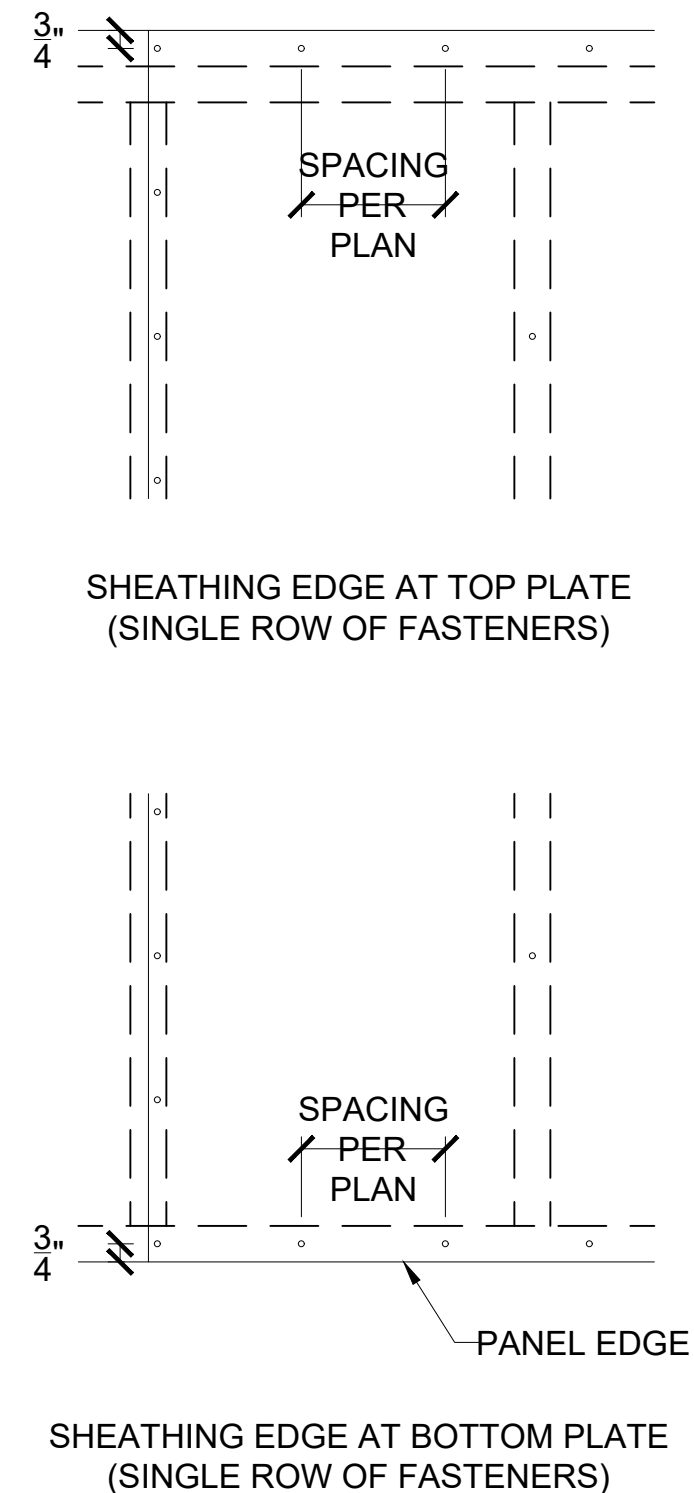
SCALE: $\frac{1}{4}" = 1'-0"$ (18x24) OR $\frac{3}{8}" = 1'-0"$ (24x36)

TENSION STRAP REQUIRED FOR HEADER TO JACK STUD FOR DETAILS 1/S3.0 AND 2/S3.0 (FROM TABLE R602.10.6.4)			
MAX GARAGE OPENING (FT.)	PONY WALL WALL HT. (FT.)	REQUIRED SIMPSON STRAP	NAILS REQUIRED IN EACH STRAP END LENGTH
18'-0"	0'-0"	CS20	0'-9" (7) 8d
9'-0"	1'-0"	CS20	0'-9" (7) 8d
18'-0"	1'-0"	CS14	1'-4" (15) 8d
9'-0"	2'-0"	CS18	0'-11" (9) 8d
18'-0"	2'-0"	CMSTC16	1'-8" (25) 16d SINKER
9'-0"	4'-0"	CMSTC16	1'-8" (25) 16d SINKER
16'-0"	4'-0"	CMST14	2'-6" (33) 10d

MINIMUM PANEL LENGTH FOR DETAIL 2/S3.0 (INCHES)				
WALL HEIGHT				
8 FEET	9 FEET	10 FEET	11 FEET	12 FEET
24	27	30	33 ^a	36 ^a

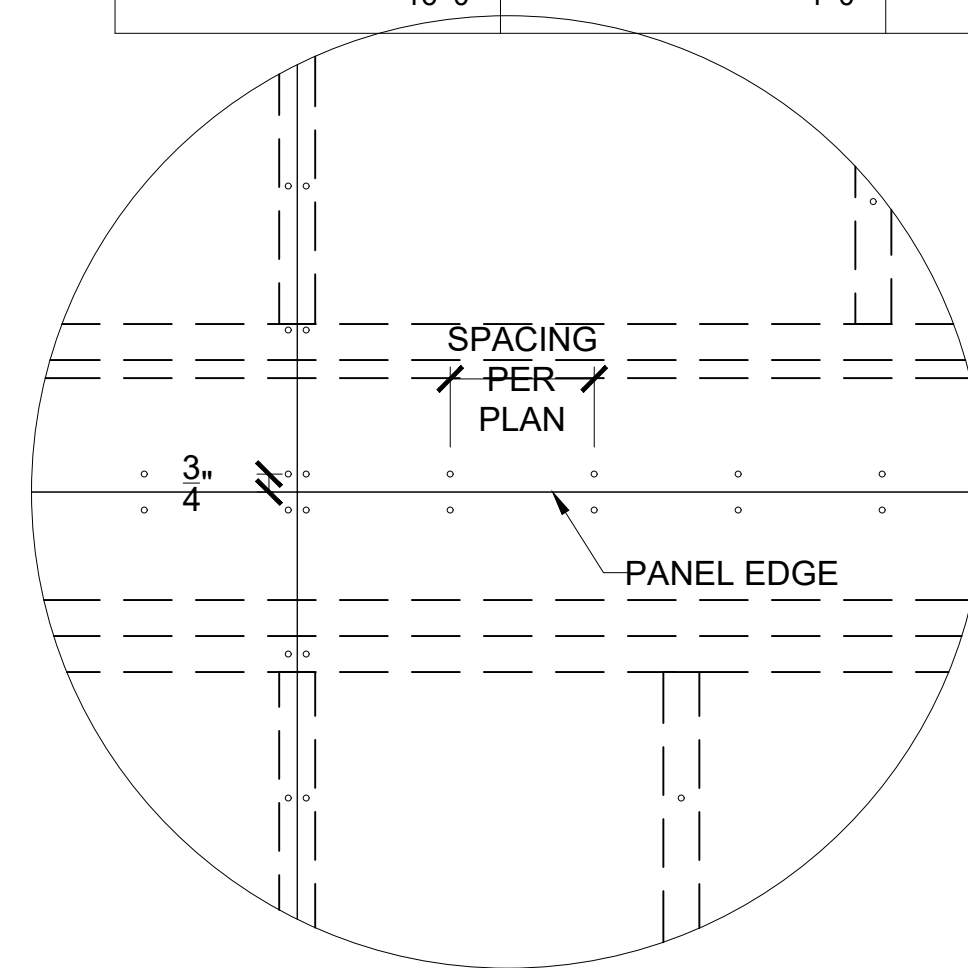
Diagram illustrating the connection between the roof structure and the ceiling structure:

- RAFTERS OR PRE-MANUFACTURED ROOF TRUSSES PER PLAN
- ROOF SHEATHING PER PLAN
- (3) 8d NAILS THROUGH EACH END OF 2x4 BRACE
- 2x4 BRACE @ EACH RAFTER/CEILING JOIST
- 2x8 CEILING RIM
- 2x6 CEILING JOIST PER PLAN
- TOENAIL EACH CEILING JOIST TO TOP PLATE WITH (3) 8d NAILS
- DOUBLE 2x TOP PLATE
- EXTERIOR WALL



4 SHEATHING EDGE AT TOP S3.0 AND BOTTOM PLATES

SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

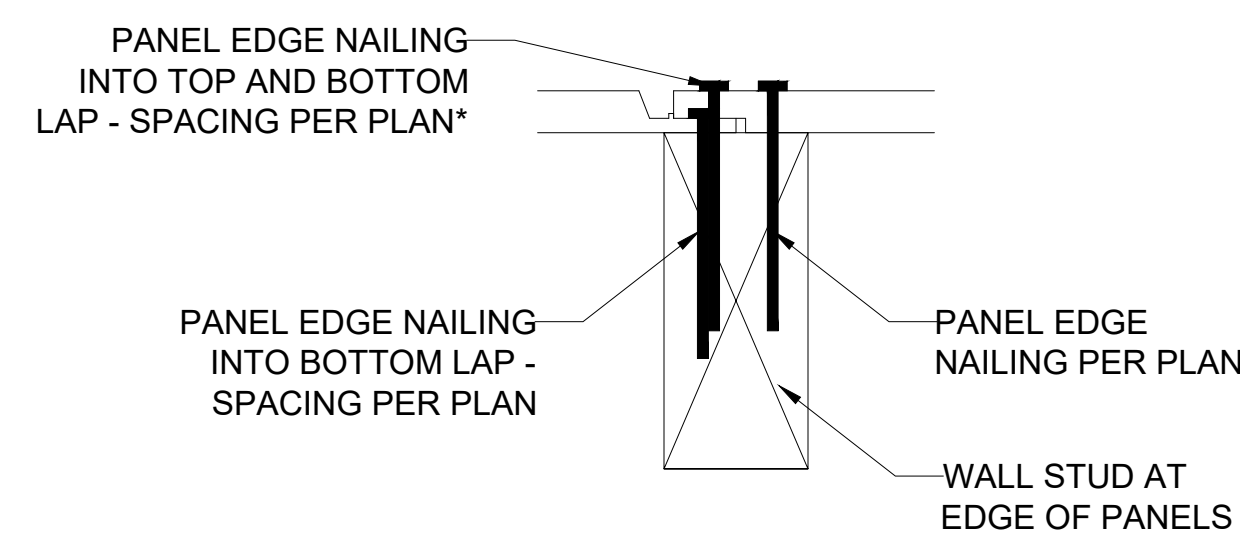
[illegible]

6 SHEATHING EDGE AT PANEL S3.0 SPLICE ACROSS STUDS

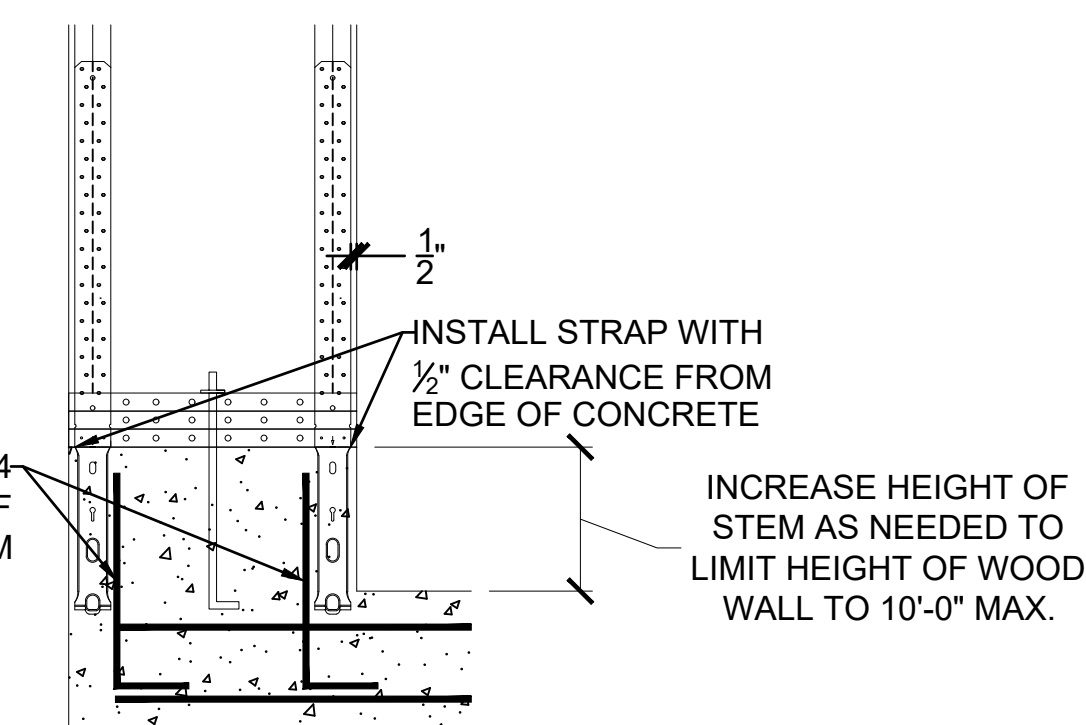
7 RAFTER BEARING OPTION DETAIL

S3.0 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

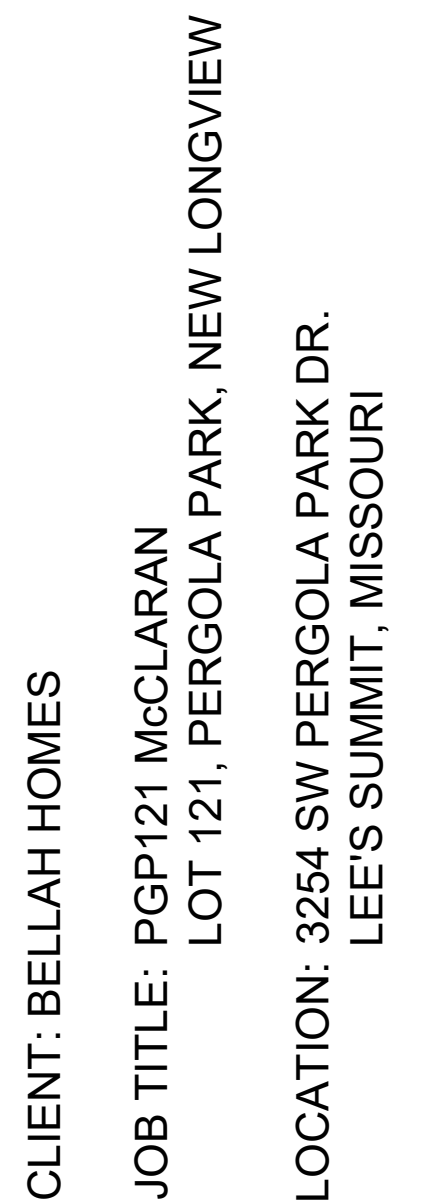


BAR AT EACH END OF
CONCRETE WALL STEM



8 FASTENING INSTRUCTIONS FOR S3.0 SHIPLAP PANEL SHEATHING

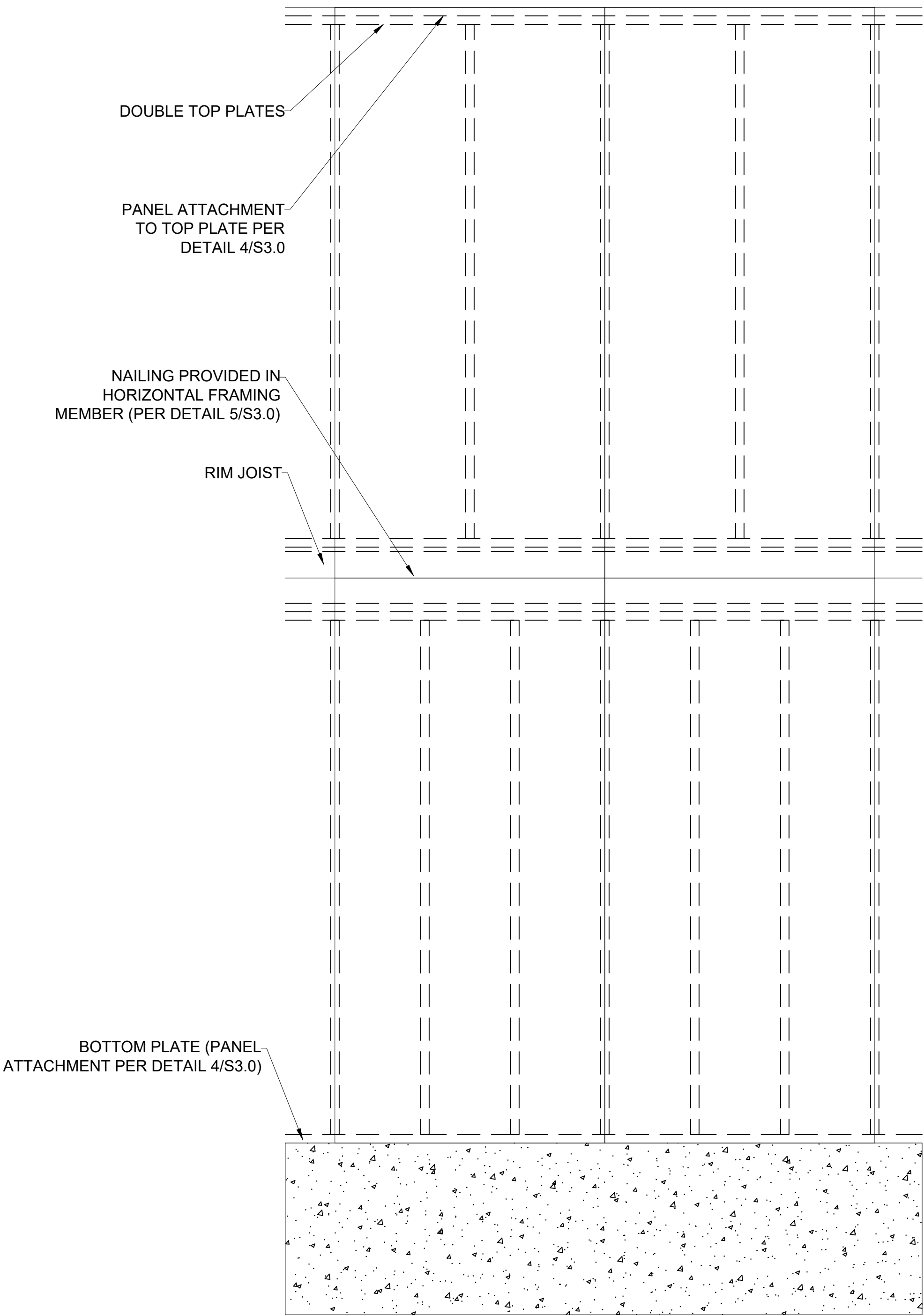
SCALE: $\frac{1}{2}" = 1'-0"$ (18x24) OR $\frac{3}{4}" = 1'-0"$ (24x36)

[illegible]

DRAWING TITLE

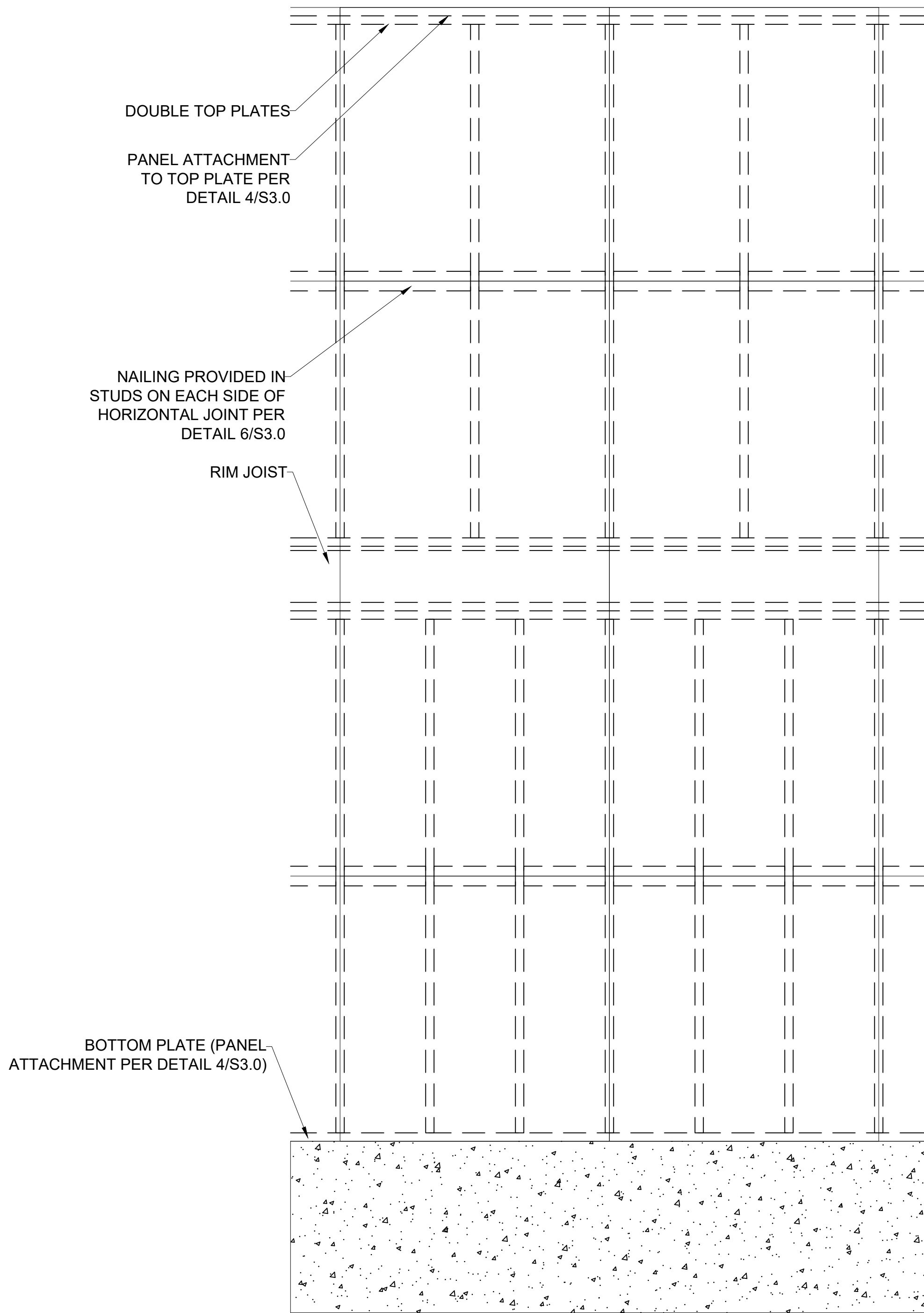
ENGINEER: DMH	CHECKED BY: DMH
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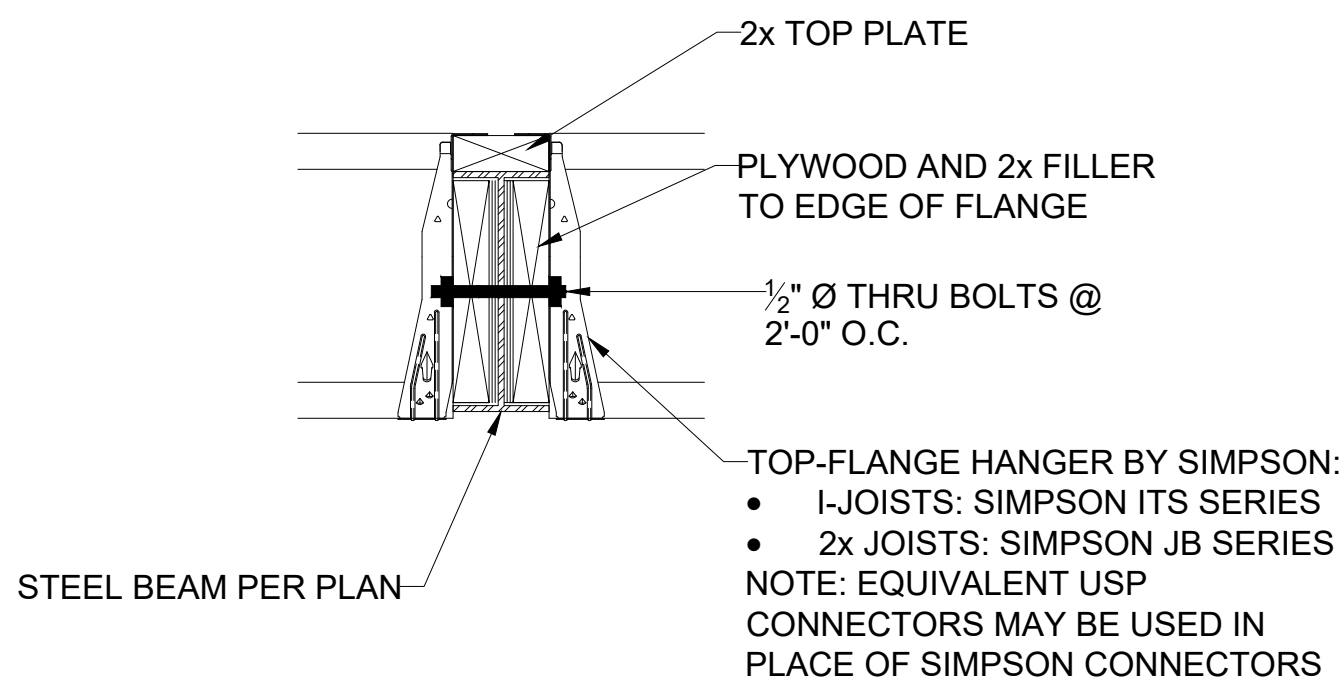
1 EXTERIOR WALL SHEATHING PANEL ATTACHMENT
S3.1 PANEL SPLICE OVER HORIZONTAL FRAMING MEMBER

SCALE: $\frac{1}{2}" = 1'-0"$ (18x24) OR $\frac{3}{4}" = 1'-0"$ (24x36)



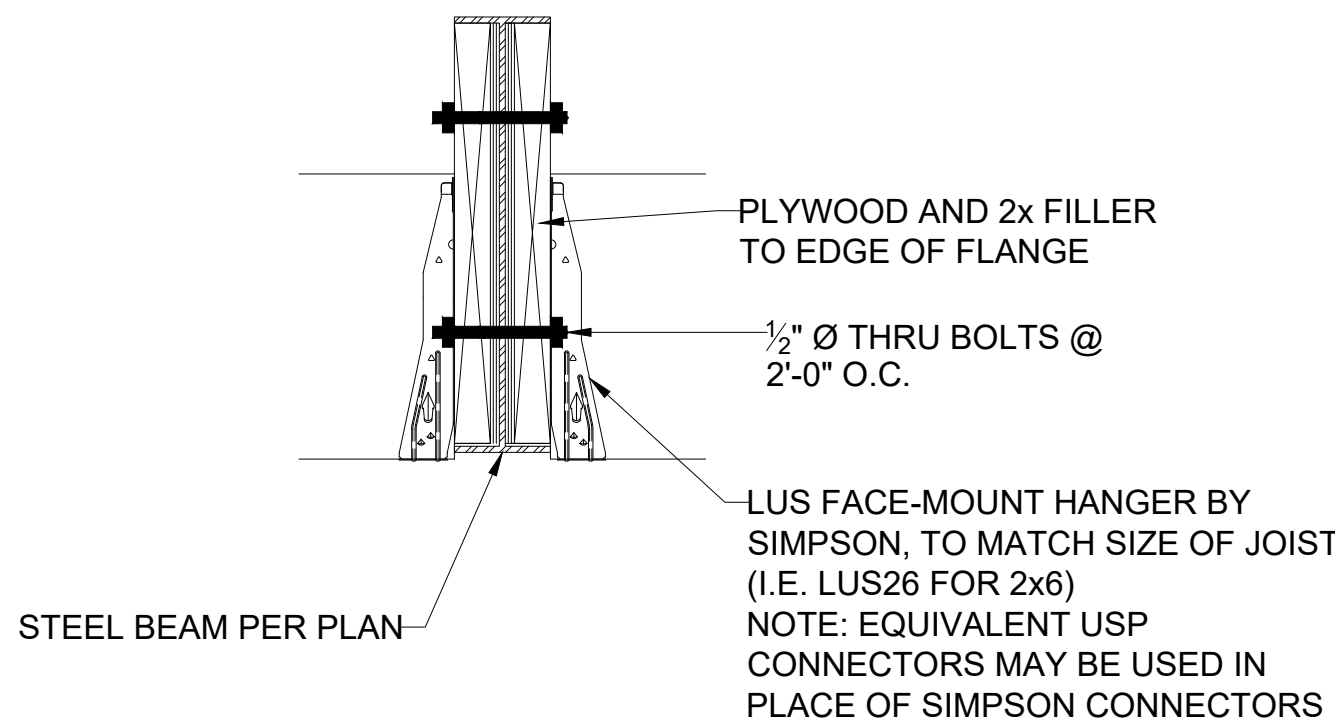
2 EXTERIOR WALL SHEATHING PANEL ATTACHMENT
S3.1 PANEL SPLICE OCCURRING ACROSS STUDS

SCALE: $\frac{1}{2}" = 1'-0"$ (18x24) OR $\frac{3}{4}" = 1'-0"$ (24x36)



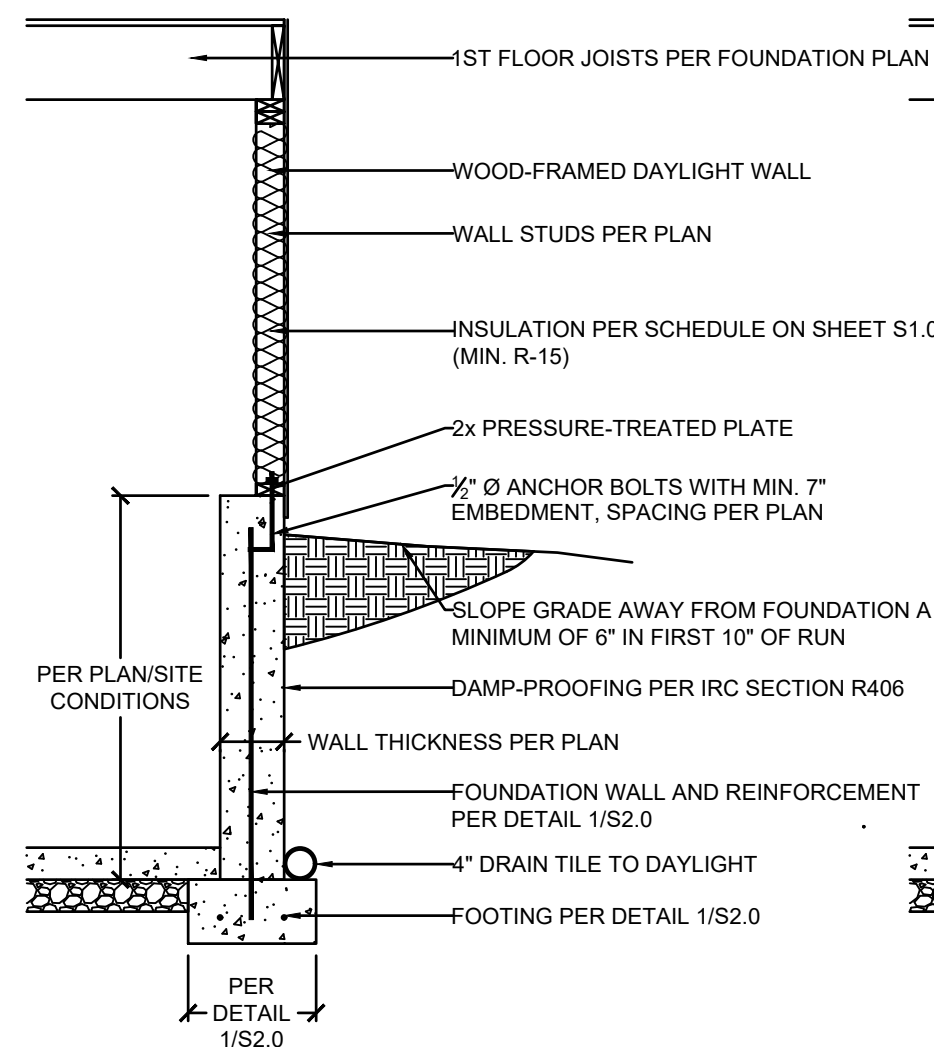
4 FLOOR JOIST TO FLUSH STEEL BEAM DETAIL
S3.1

SCALE: $1" = 1'-0"$ (18x24) OR $1\frac{1}{2}" = 1'-0"$ (24x36)

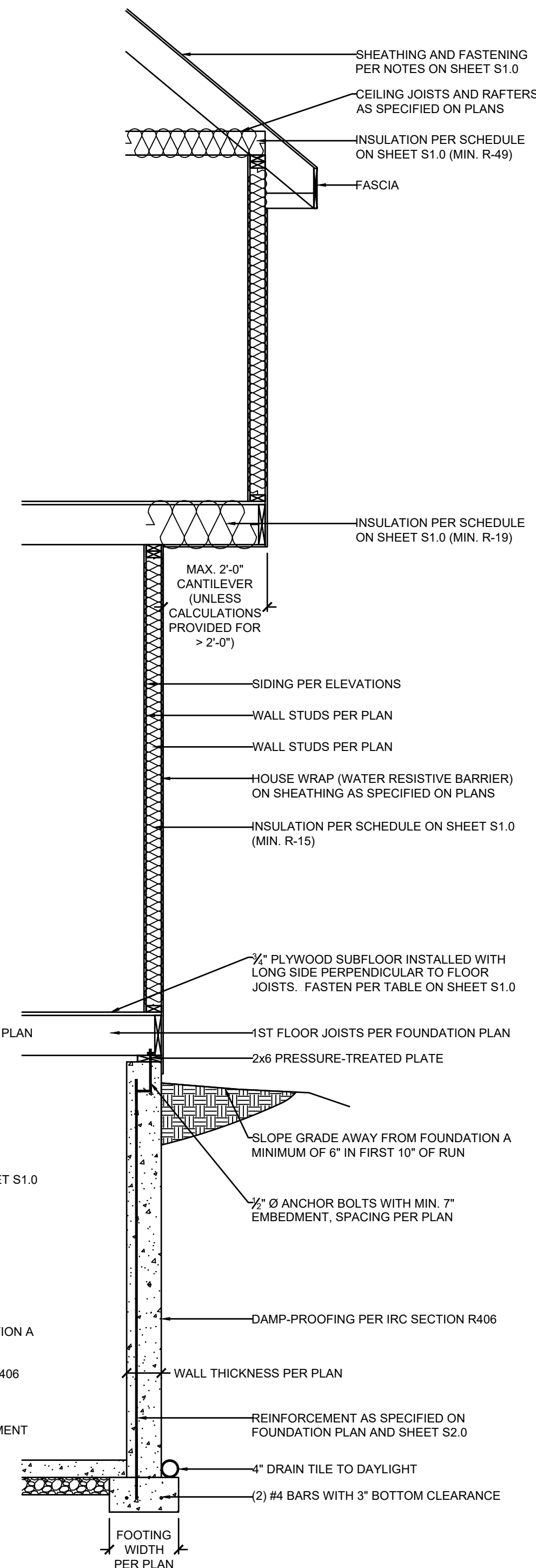


5 CEILING JOIST TO FLUSH STEEL BEAM DETAIL
S3.1

SCALE: $1" = 1'-0"$ (18x24) OR $1\frac{1}{2}" = 1'-0"$ (24x36)



DAYLIGHT BASEMENT OPTION



FULL-HEIGHT CONCRETE WALL OPTION

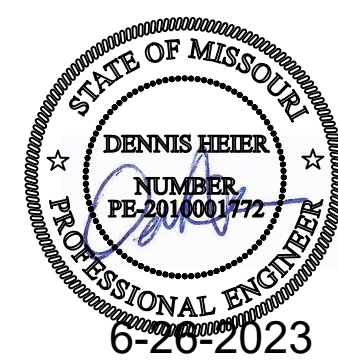


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CLIENT: BELLAH HOMES

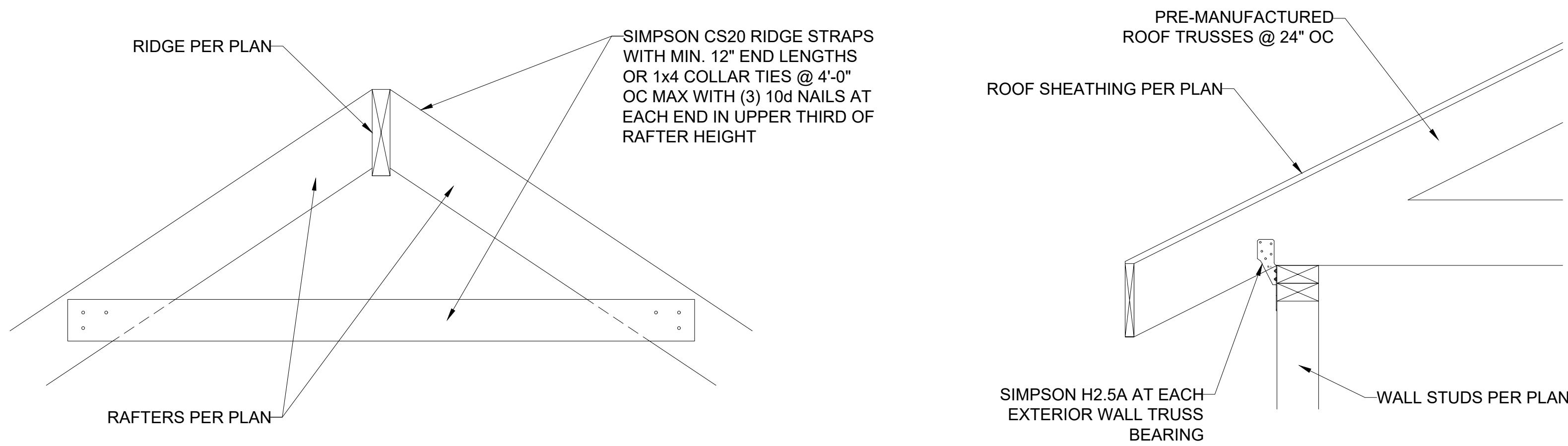
JOB TITLE: PGP121 McCLARAN
LOT 121, PERGOLA PARK, NEW LONGVIEW

LOCATION: 3254 SW PERGOLA PARK DR.
LEE'S SUMMIT, MISSOURI



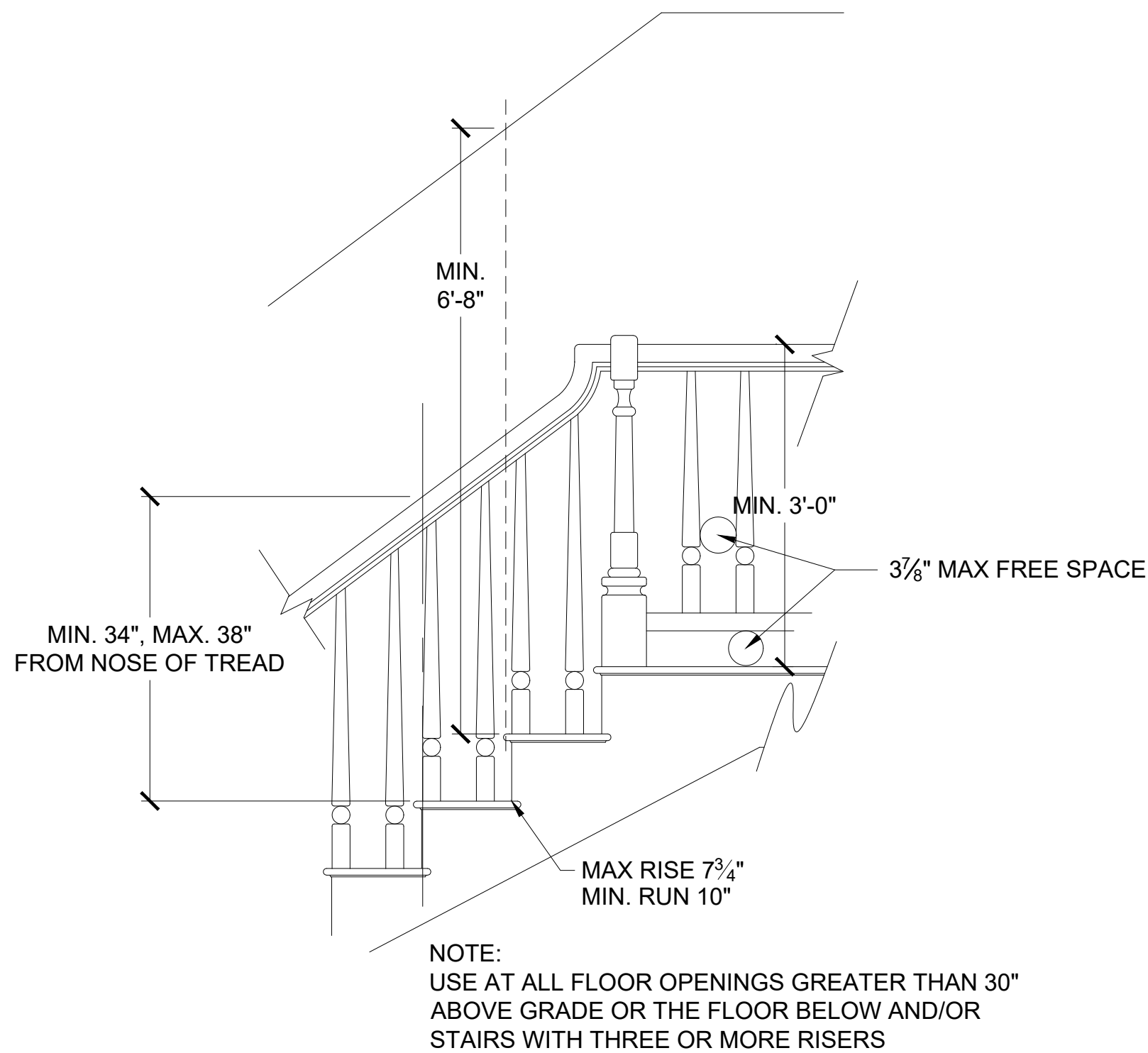
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FRAMING DETAILS			
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JOB NO.		DRAWN BY: DMH	
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S3.1

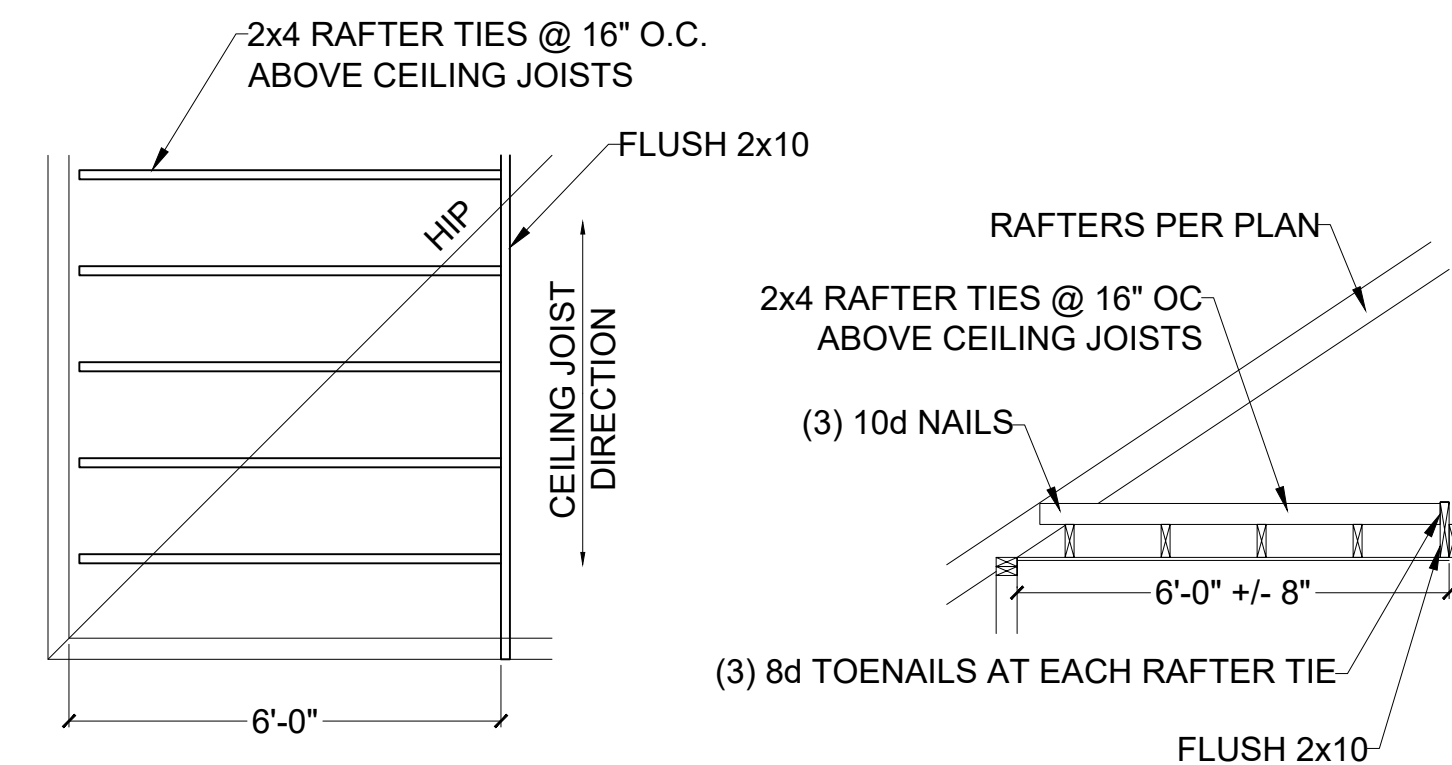


1 RIDGE FRAMING DETAIL
S3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)

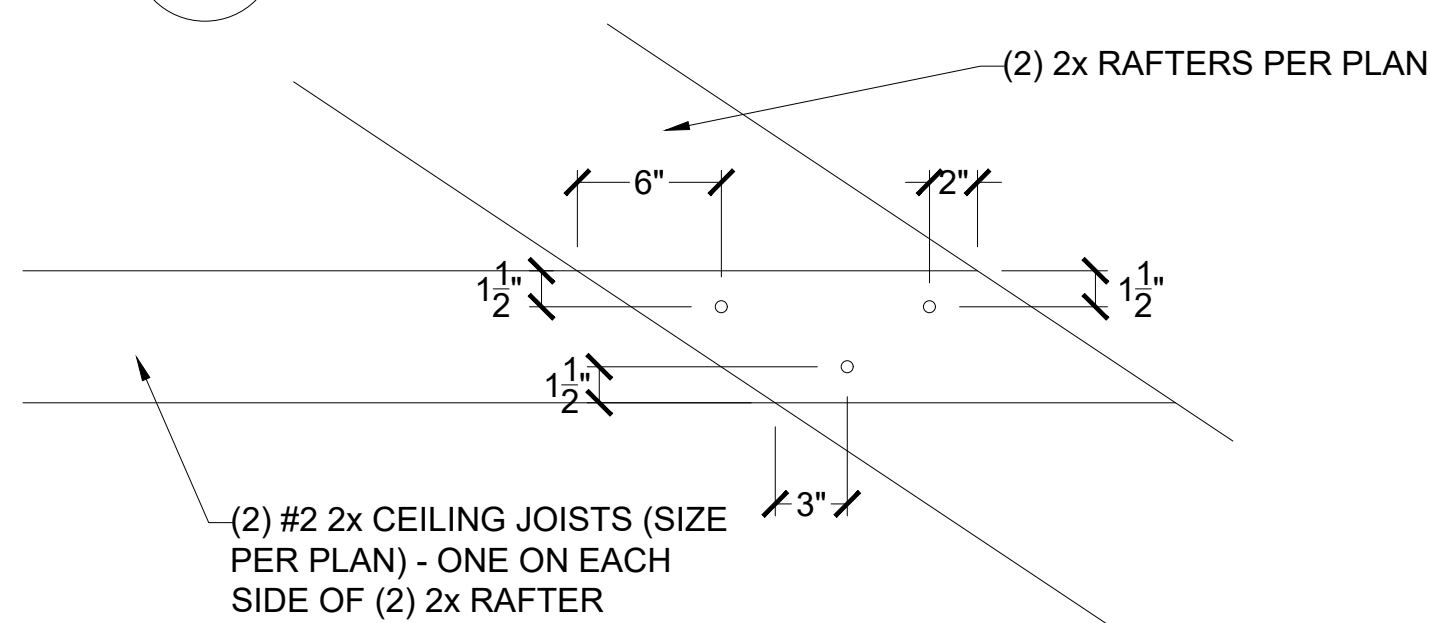
2 TRUSS CONNECTION TO EXT. WALL BEARING
S3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



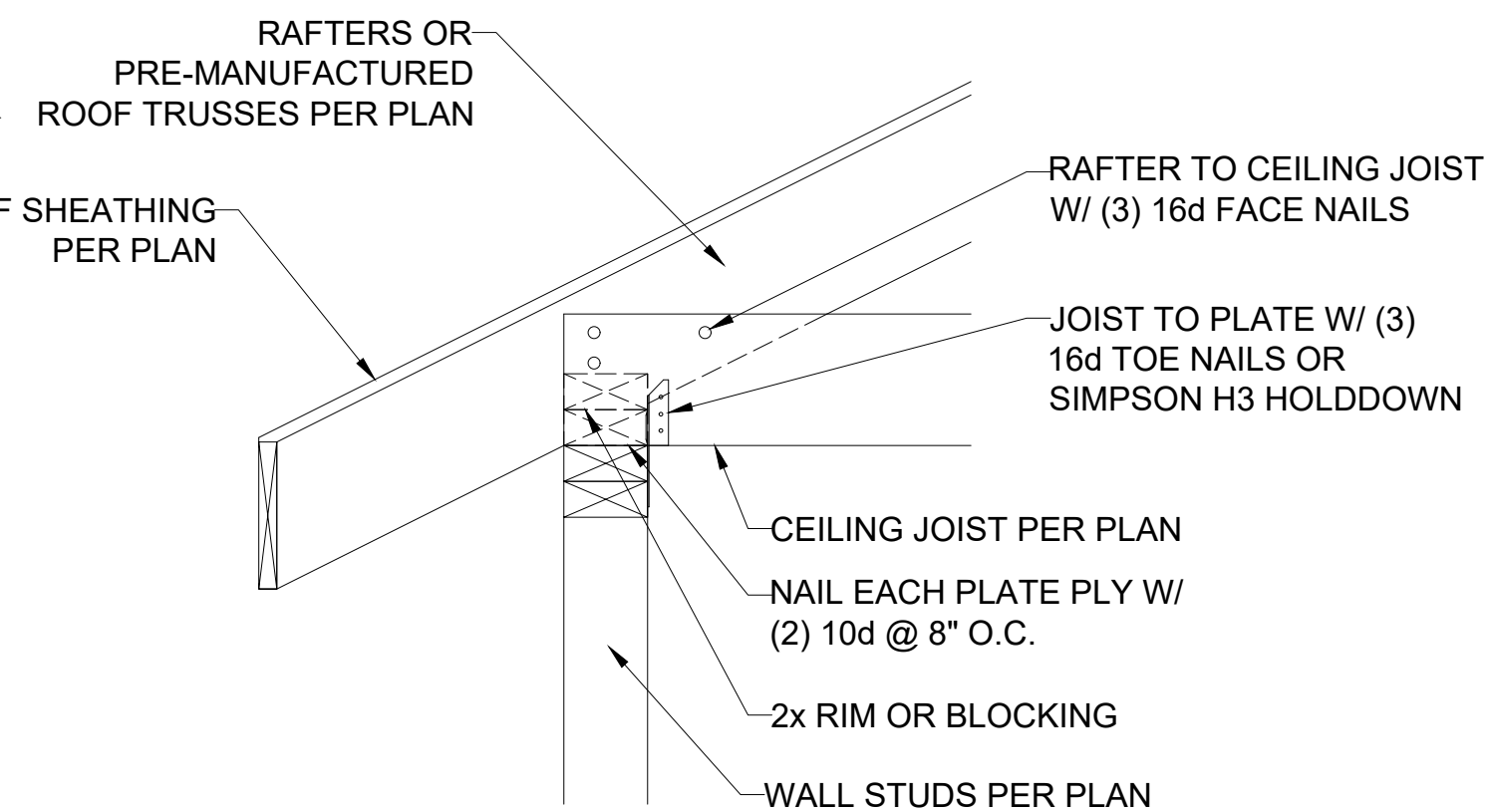
4 STAIR AND HANDRAIL/GUARDRAIL DETAIL
S3.2 SCALE: ½" = 1'-0" (18x24) OR ¾" = 1'-0" (24x36)



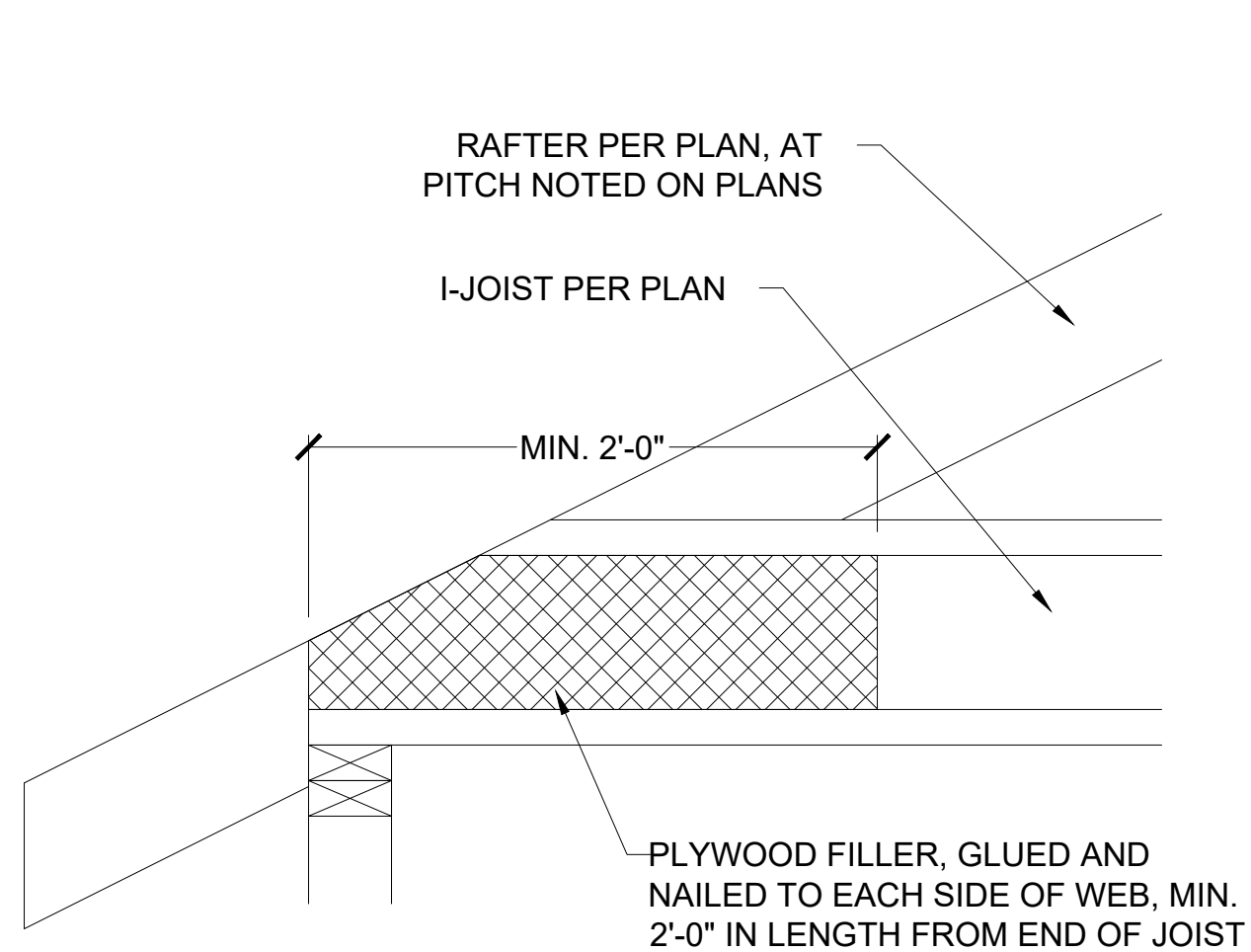
5 RAFTER TIES AT CEILING JOISTS PERP. TO RAFTERS
S3.2 SCALE: ¼" = 1'-0" (18x24) OR ⅜" = 1'-0" (24x36)



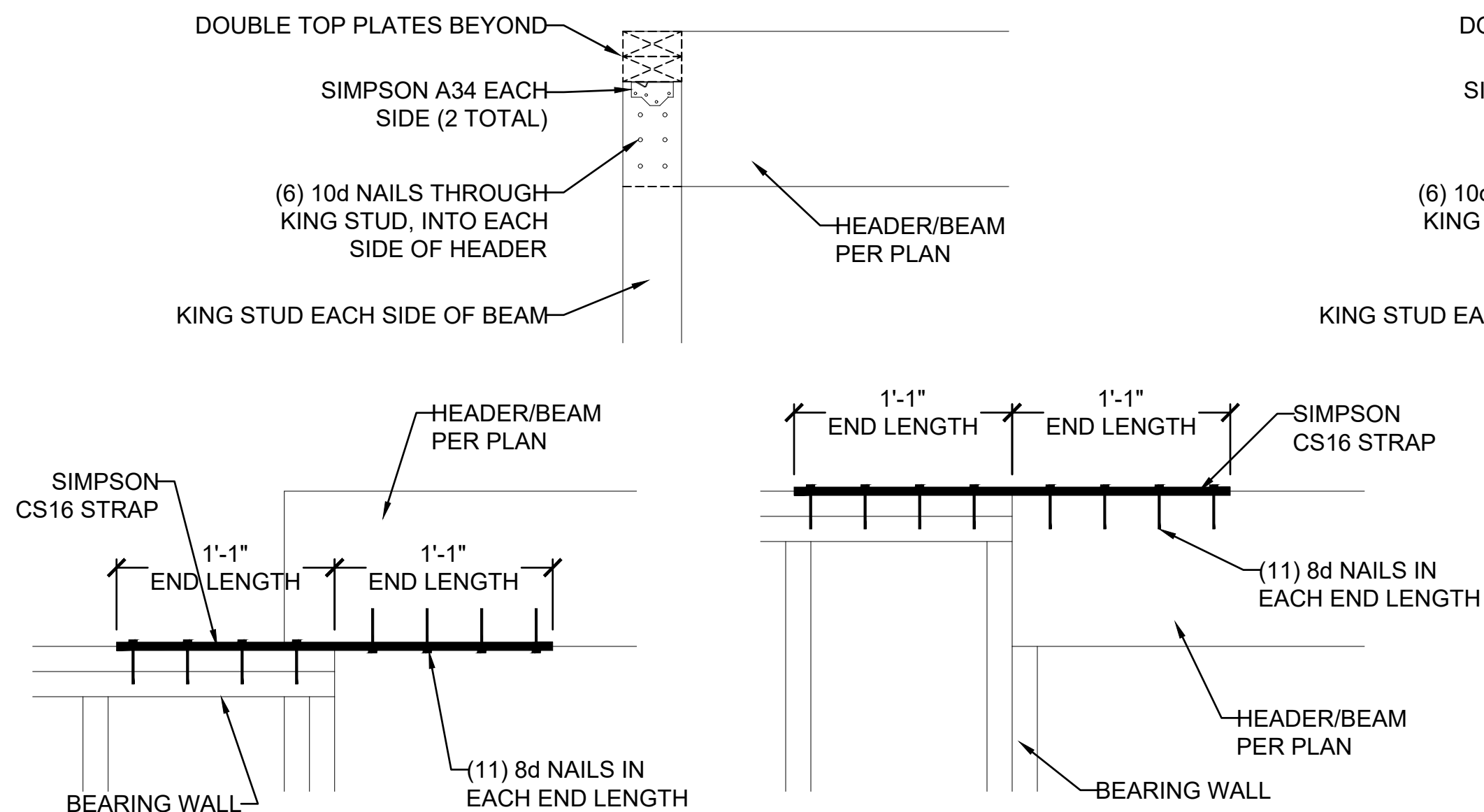
6 FIELD-CONSTRUCTED A-FRAME DETAIL
S3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



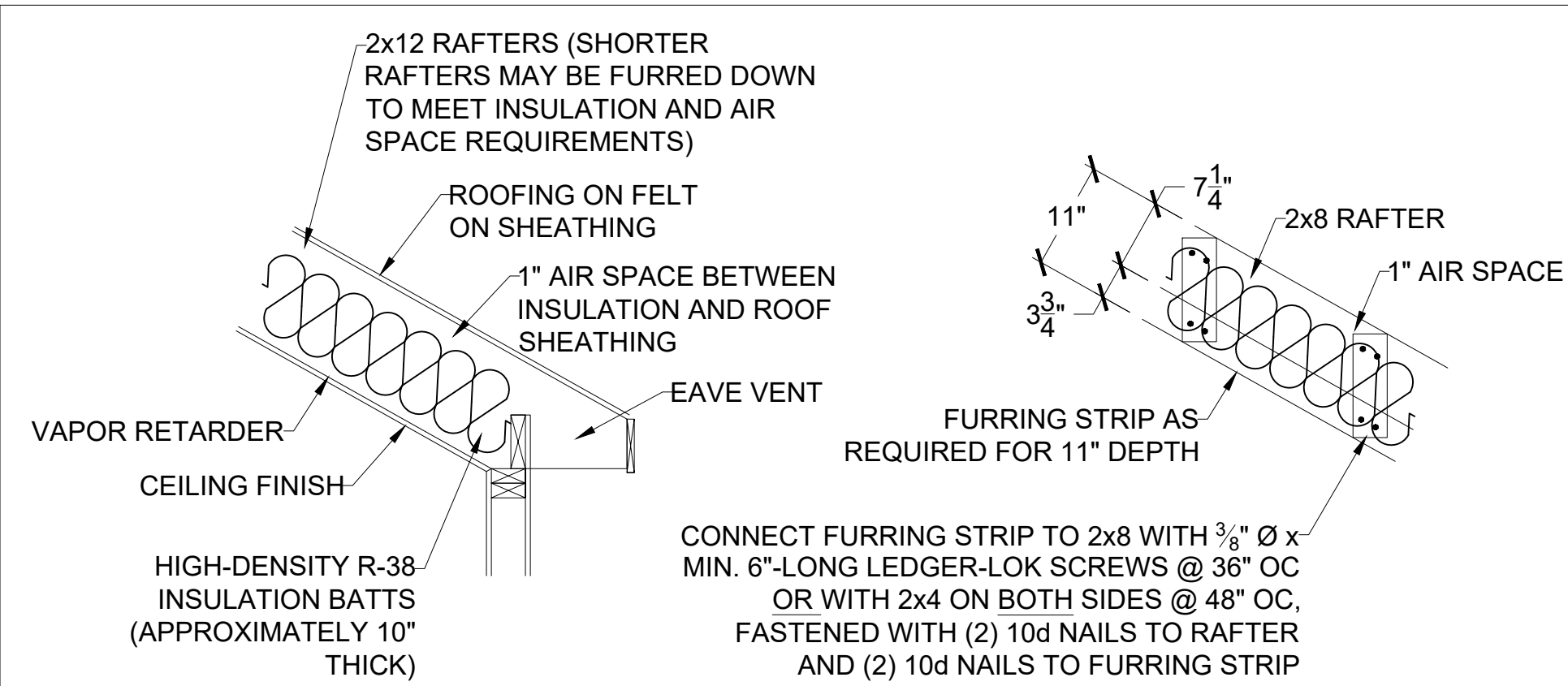
7 RAFTER BEARING OPTION DETAIL
S3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



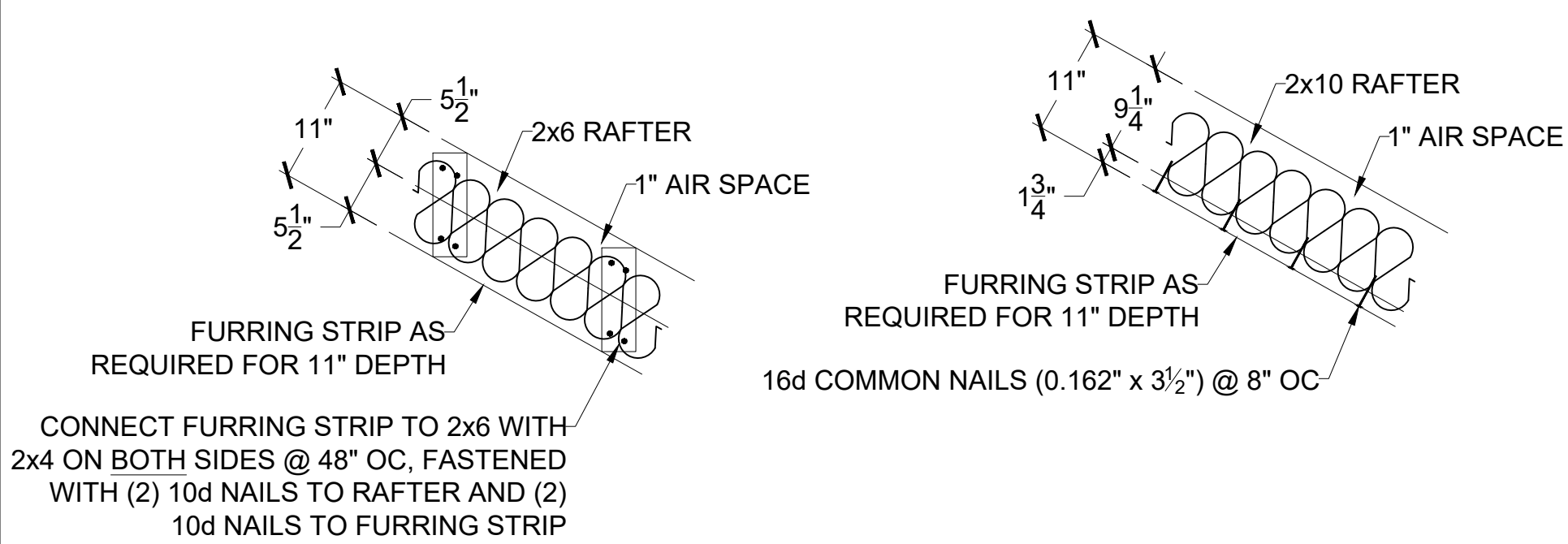
9 COPED I-JOIST REINFORCEMENT
S3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



10 HEADER/BEAM CONNECTION OPTIONS AT OUTDOOR/OPEN SPACE
S3.2 SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



**VAULTED RAFTER INSULATION
INSTALLATION AND OPTIONAL
CONNECTION DETAILS**



3 VAULTED RAFTER INSULATION DETAILS
S3.2 SCALE: ¾" = 1'-0"

HEIGHT (FT.)	SPACING (INCHES O.C.)			
	24	16	12	8
SUPPORTING A ROOF ONLY				
10 OR LESS	2x4	2x4	2x4	2x4
12	2x6	2x4	2x4	2x4
14	2x6	2x6	2x6	2x4
16	2x6	2x6	2x6	2x4
18	DR	2x6	2x6	2x6
20	DR	DR	2x6	2x6
SUPPORTING ONE FLOOR AND A ROOF				
10 OR LESS	2x6	2x4	2x4	2x4
12	2x6	2x6	2x6	2x4
14	2x6	2x6	2x6	2x6
16	DR	2x6	2x6	2x6
18	DR	2x6	2x6	2x6
20	DR	DR	2x6	2x6
SUPPORTING TWO FLOORS AND A ROOF				
10 OR LESS	2x6	2x6	2x4	2x4
12	2x6	2x6	2x6	2x6
14	2x6	2x6	2x6	2x6
16	DR	2x6	2x6	2x6
18	DR	DR	2x6	2x6
20	DR	DR	DR	2x6

NOTES:
1) DR = DESIGN REQUIRED
2) UTILITY, STANDARD, STUD AND #3 GRADE LUMBER OF ANY SPECIES ARE NOT PERMITTED
3) THIS TABLE DOES NOT APPLY FOR STUDS SUPPORTING MEMBERS WITH A TRIB. LENGTH GREATER THAN 6'-0"

8 MAXIMUM ALLOWABLE LENGTH OF
S3.2 WOOD WALL STUDS (IRC TABLE 602.3.1)



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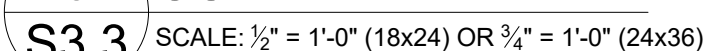
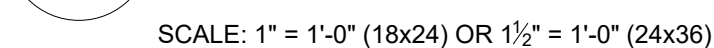
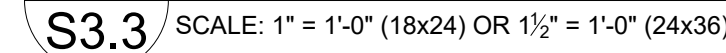
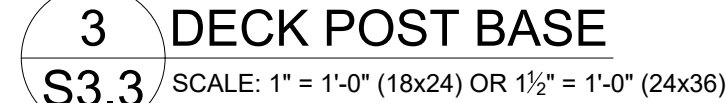
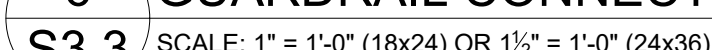
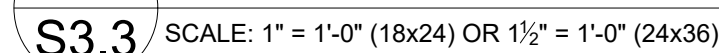
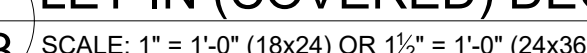
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S3.2



DECK JOIST SPAN	$\frac{1}{2}$ " Ø GALV. LAG OR $\frac{3}{8}$ " Ø LEDGER-LOK SPACING
10'-0" OR LESS	16" OC
10'-0" - 13'-11"	12" OC OR @ 16" OC DOUBLED EVERY OTHER
14'-0" - 18'-0"	8" OC OR @ 16" OC DOUBLED

SCALE: 1" = 1'-0" (18x24) OR 1½" = 1'-0" (24x36)



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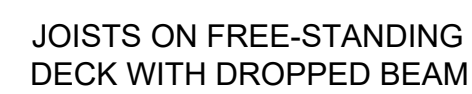
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S3.3a



DROPPED BEAM

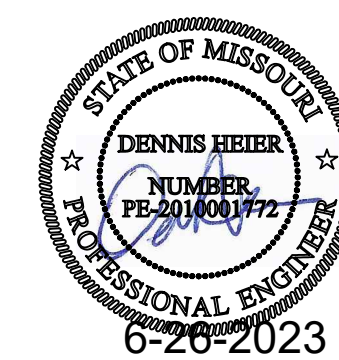


The logo for Vista Structural Engineering, LLC is positioned on the left side of the page. It features a stylized graphic of a building or structural element within a circular frame. To the right of the logo, the company name "VISTA" is written in large, bold, sans-serif capital letters, with "STRUCTURAL ENGINEERING, LLC" in smaller capital letters below it, separated by a horizontal line. Further to the right, the contact information is listed: "14718 NW DELIA STREET * PORTLAND, OREGON 97229", "OFFICE: 971.235.6099 * MOBILE: 971.235.6099 *", and "* DENNIS@VISTASTRUCTURAL.COM * VISTASTRUCTURAL.COM".

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LOT 121, PERGOLA PARK, NEW LONGVIEW

LOCATION: 3254 SW PERGOLA PARK DR.
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DETAILS**

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S3.3b

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S3.4