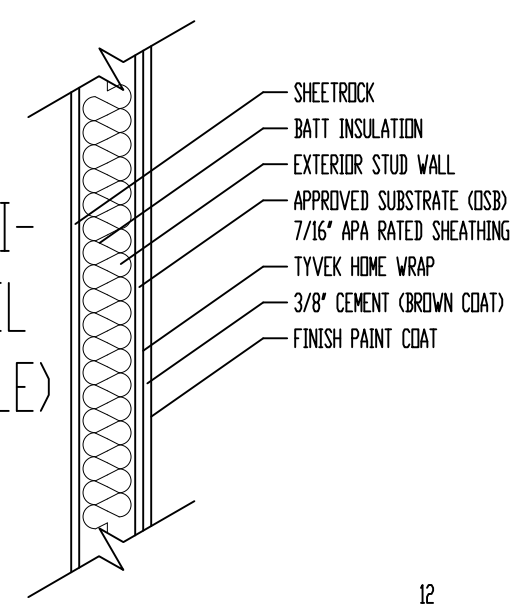
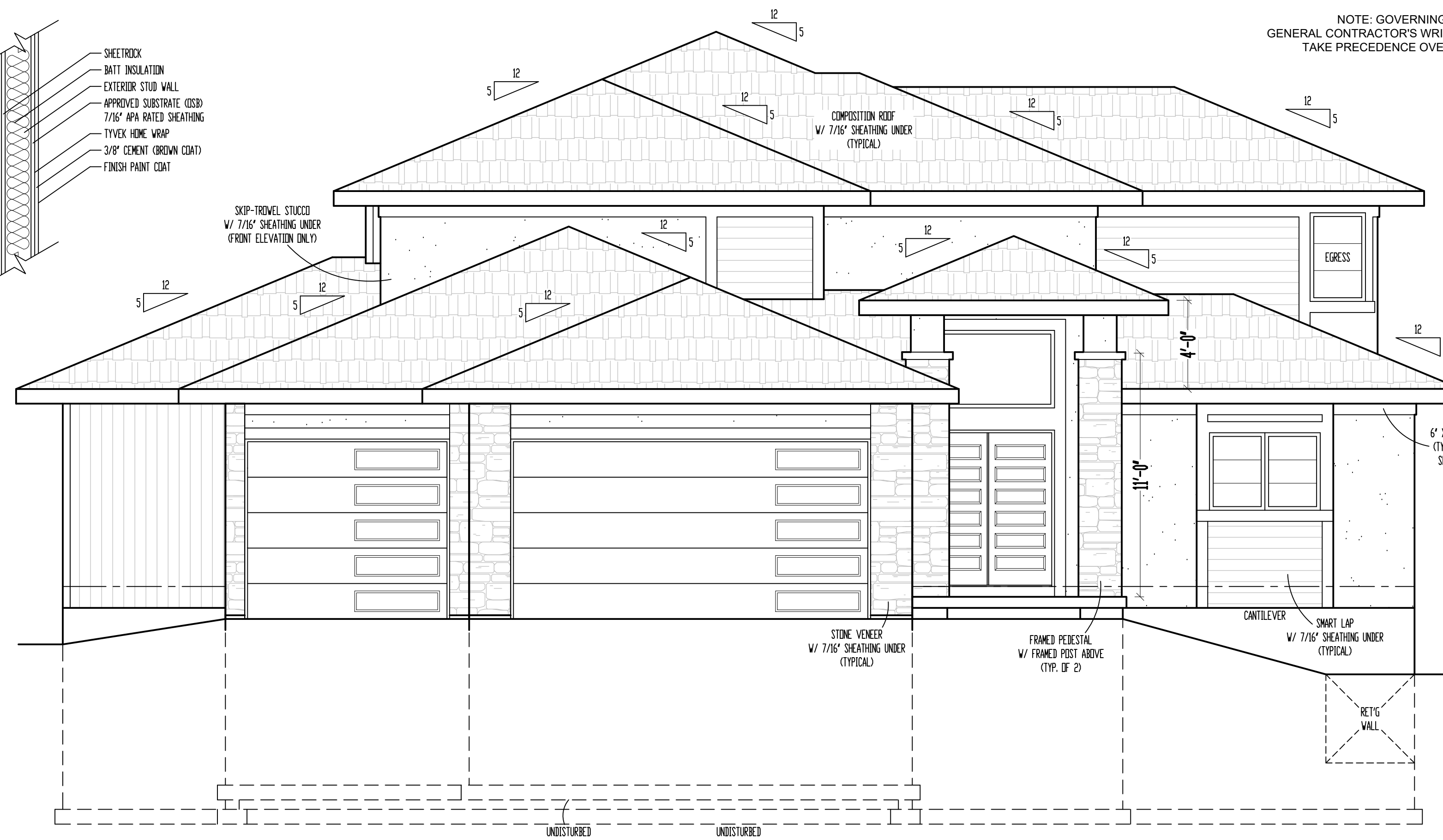


**RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
03/04/2024 12:43:06**

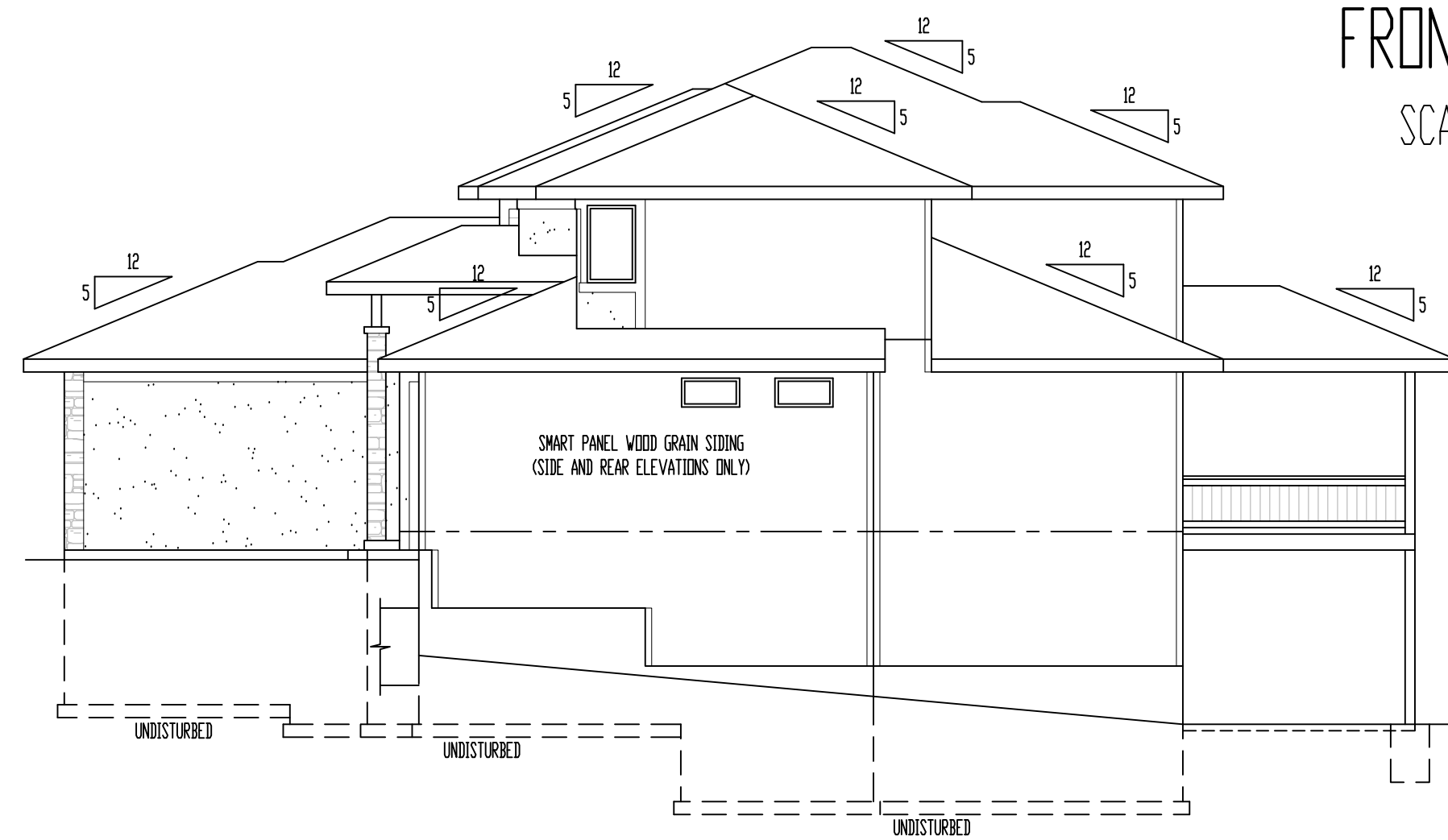
STUCCO APPLI-
CATION DETAIL
(NOT TO SCALE)



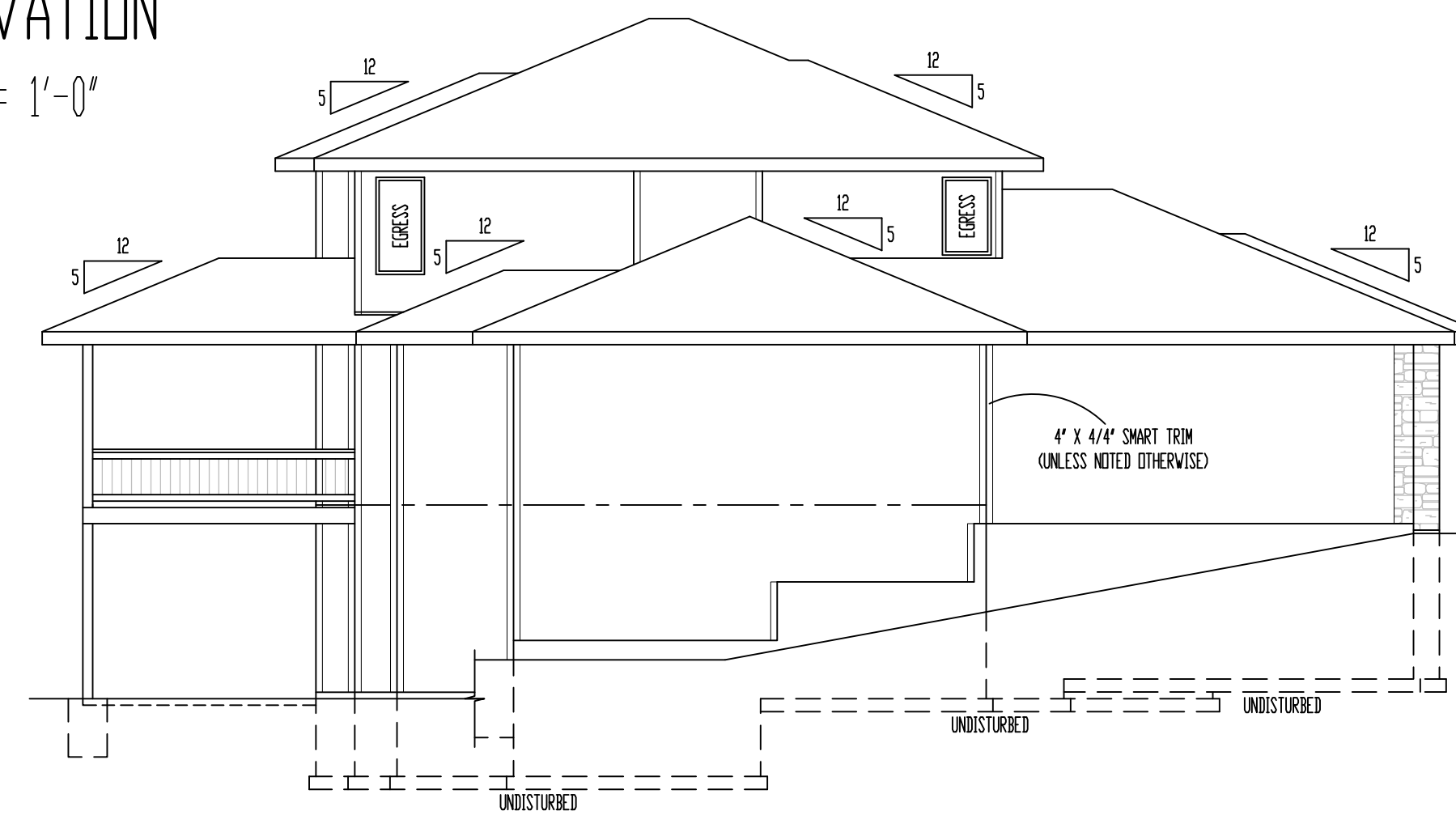
NOTE: GOVERNING CODES &
GENERAL CONTRACTOR'S WRITTEN SPECIFICATIONS
TAKE PRECEDENCE OVER THESE PLANS.



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



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



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



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

ELEVATIONS:
SMART PANEL WOOD GRAIN SIDING ON SIDE AND REAR ELEVATIONS
COMPOSITION ROOF SHINGLES
LOCATE ROOF AND SOFFIT VENTS PER CODE
ADJUST FOUNDATION TO GRADE

DECK:
DECK CONSTRUCTION TO COMPLY WITH MUNICIPALITY'S
RESIDENTIAL DECK STANDARDS
2" X 10" @ 12" TYP. @ 16" OC. FLOOR JOISTS MAX. SPAN 14'-0"
2" X 6" CEDAR BECKING
6" X 6" CEDAR/PTIL POSTS
2" X 2" CEDAR SPINDLES
2" X 6" CEDAR TOP RAIL
OPTIONAL STAIRS

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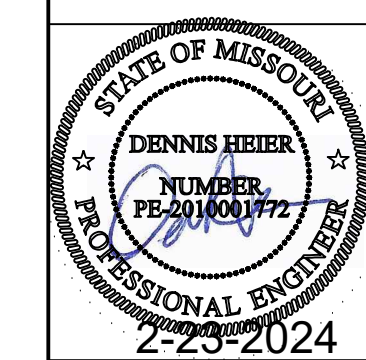
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VIEWPOINT
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Office: (816) 554-0400 Email: jpfeller@viewpointdesign.net

Site Description:
**Lot 200,
The Retreat at Hook Farms -
Second Plat**
Street Address:
**2234 SW Crown Dr.,
Lee's Summit, Missouri**

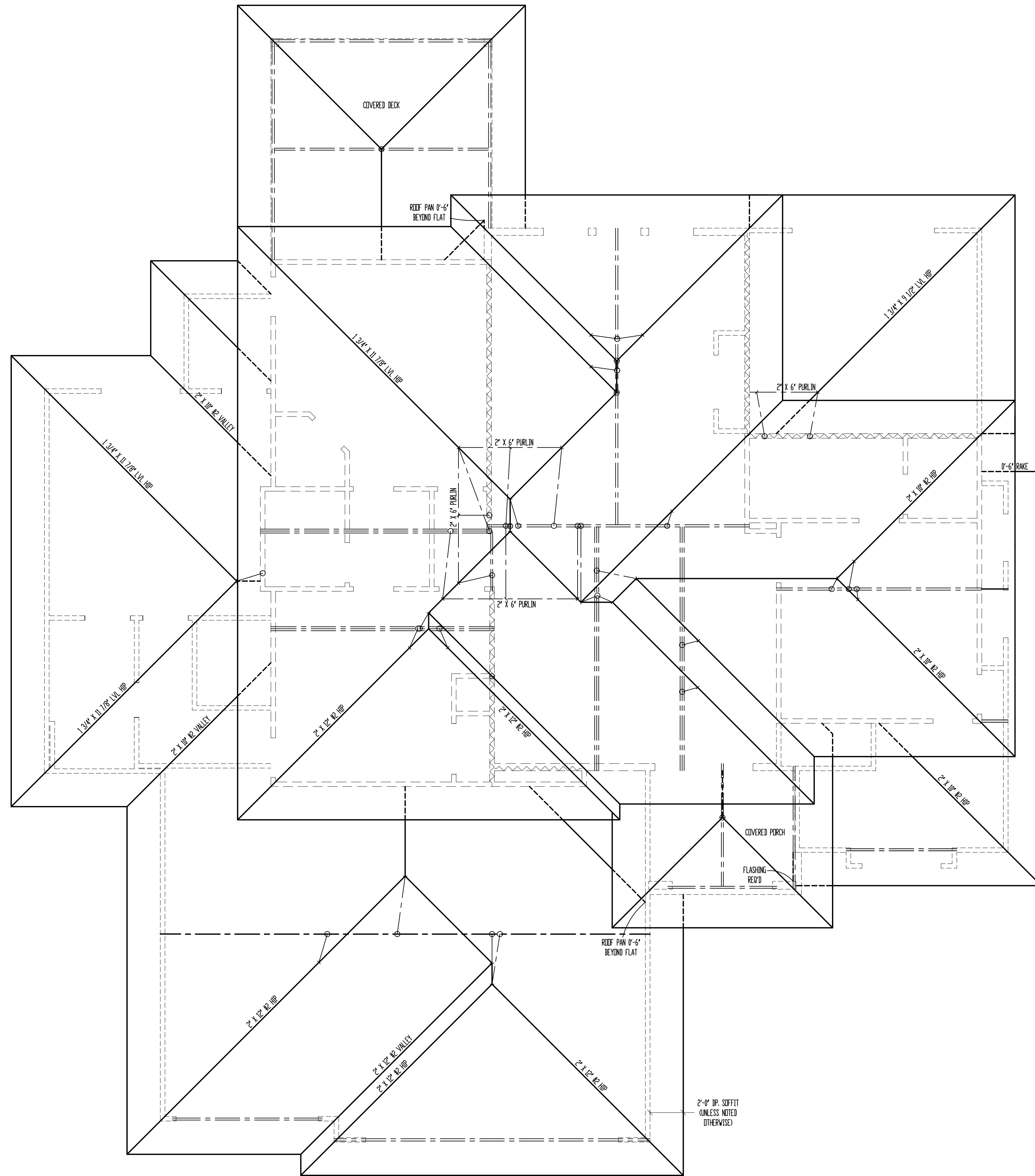
Designed for:
**Francisco INZUNZA &
Nicole ROBINSON**
General Contractor:
Walker Custom Homes, LLC



Date: 2-15-AD 2024
Rev. 1: 2-22-AD 2024
Rev. 2:
Rev. 3:

Sheet Title:
ELEVATIONS

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

ALL RAFTERS SHALL BE 2" X 6" @ 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 (10psf DL, 20psf LL (S.L.))

* RAFTERS OVER HIP, DOUG-FIR, OR EQUAL *
SEE SPAN CHARTS BELOW

RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN
R2-2x6	R24" O.C.	11'-7"
R2-2x6	R18" O.C.	14'-2"
R2-2x8	R24" O.C.	14'-8"
R2-2x8	R18" O.C.	17'-11"
R2-2x10	R24" O.C.	17'-10"
R2-2x10	R18" O.C.	20'-11"

NOTE: CODE MINIMUM ALLOWS FOR A RAFTER DEFLECTION OF L/300 TOTAL LOAD

RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN
R2-2x6	R24" O.C.	8'-6"
R2-2x6	R18" O.C.	9'-9"
R2-2x8	R24" O.C.	11'-3"
R2-2x8	R18" O.C.	12'-9"
R2-2x10	R24" O.C.	14'-3"
R2-2x10	R18" O.C.	16'-3"

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

- * VALLEYS TO BE 2x10 DEPTH
- * RIDGE BOARDS ARE (UNLESS OTHERWISE NOTED)
 - R2-2x8 UP TO 10/12 PITCH
 - R2-2x10 OVER 10/12 PITCH
- * ALL HIP & VALLEYS ARE (UNLESS OTHERWISE NOTED)
 - R2-2x8 UP TO 10/12 PITCH
 - R2-2x10 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 "1" CONFIGURATION AND PER THE FOLLOWING CHART:

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

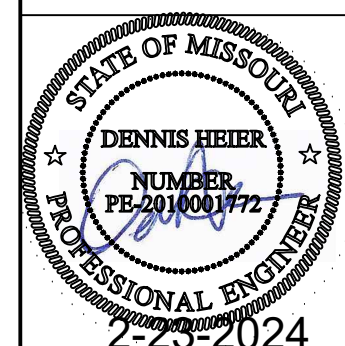
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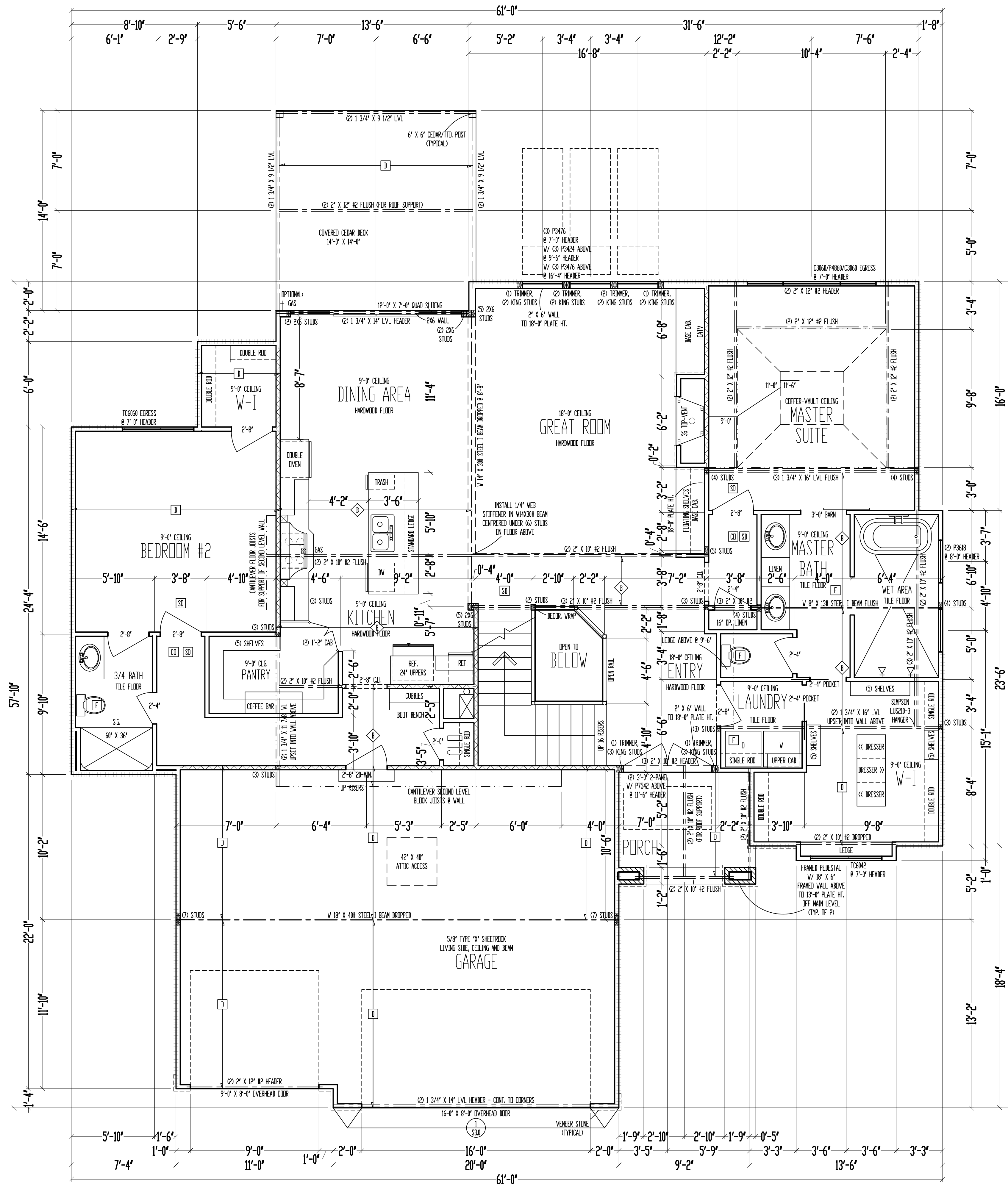
Designed for:
Francisco INZUNZA &
Nicole ROBINSON
General Contractor:
Walker Custom Homes, LLC



Date: 2-15-AD 2024
Rev. 1: 2-22-AD 2024
Rev. 2:
Rev. 3:

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: 2139 SQ. FT.
 SECOND LEVEL: 794 SQ. FT.
 LOWER LEVEL: 1082 SQ. FT.
 TOTAL: 4015 SQ. FT.

GARAGE: 719 SQ. FT.
 COV. OUT/LIV: 195 SQ. FT.
 UNFIN. BASEMENT 717 SQ. FT.

- ***** WALL BRACING PER FRAMING NOTE #1 AND PER CALCULATIONS ON SHEET S11.
- FRAMING NOTES:
1. MAIN LEVEL EXTERIOR WALLS SHALL BE SHEATHED W/ 7/16" OSB. APA PANELS W/ 8d COMMON NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE FIELD. SMART PANEL, OR EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 2. GYP. BOARD - 5/8" G.B. 1/2" MIN. GYPSUM BOARD OVER STUDS SPACED 24" MAX FASTENED W/ #6 - 1 1/4" TYPE W OR S DRYWALL SCREWS @ 7" O.C. EDGES & FIELD. MIN. 8" O.C. SECTIONS ONE SIDE OF WALL OR MIN. 4" O.C. SECTION FOR BOTH SIDES.
 3. W/ 1/2" MIN. GYP. BOARD - LEAD BEARING INTERIOR WALL.
 4. 2" X 10" R2 HEADER AT ALL EXTERIOR AND LEAD BEARING WALLS, UNLESS NOTED OTHERWISE.
 5. LOW TIES @ 4'-0" O.C. (TYPICAL).
 6. RUN STUDS THE FULL HEIGHT OF RAISED PLATE WALLS.
 7. BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LEAD BEARING WALLS WITH JOIST MATERIAL, NOT REQUIRED WITH I-JOISTS.
 8. PROVIDE MULTIPLE STUDS FOR SOLID BEARING BELOW ALL BEAMS.
 9. ALL DISJOINTED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND WINDOW OPENINGS.
 10. ALL UNSQUARE WALLS SHALL BE 45°, UNLESS NOTED OTHERWISE.
 11. ALL WALLS TO BE FRAMED W/ MIN. STUD GRADE 2" X 4S @ 16" O.C., UNLESS NOTED OTHERWISE.
 12. EXTERIOR WALL BOTTOM PLATES SHALL BE NAIL TO FRAMING BELOW WITH 16d COMMON NAILS @ 6" O.C. MAX. (WHERE APPLICABLE).
 13. LVL'S SHOWN ON PLANS MAY BE REPLACED WITH 3K/DF GRADE 24F-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS:
 14. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY OPENINGS.

JOIST SCHEDULE	
◇	2" X 10" R2 TTD FLOOR JOIST @ 16" O.C.
◇	2" X 10" R2 FLOOR JOIST @ 16" O.C.
◇	2" X 10" R2 FLOOR JOIST @ 16" O.C.
◇	2" X 6" R2 CEILING JOIST @ 16" O.C.
□	2" X 6" R2 CEILING JOIST @ 16" O.C.

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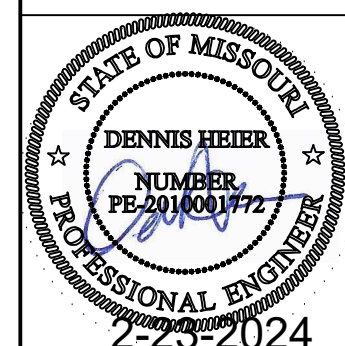
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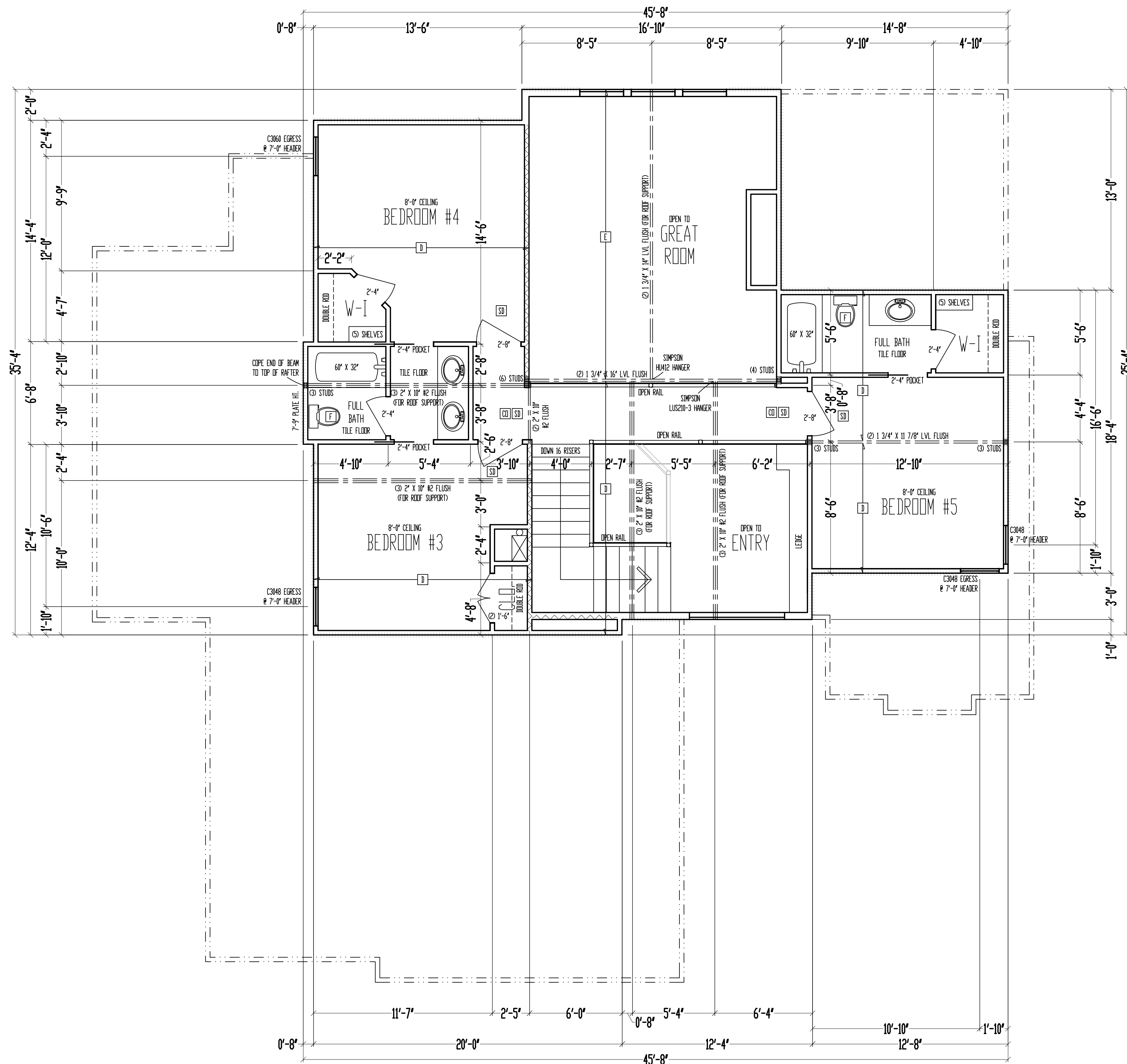
Designed for:
Francisco INZUNZA & Nicole ROBINSON
 General Contractor:
Walker Custom Homes, LLC



Date: 2-15-AD 2024
 Rev. 1: 2-22-AD 2024
 Rev. 2:
 Rev. 3:

Sheet Title:
MAIN LEVEL PLAN

Sheet No.:
A-3 of 5



JOIST SCHEDULE	
D	2" X 6" R2 CEILING JOIST @ 16" O.C.
E	2" X 8" R2 CEILING JOIST @ 16" O.C.

8'-0" CEILING
 SECOND LEVEL
 SCALE: 1/4" = 1'-0"

- ***** = WALL BRACING PER FRAMING NOTE #1 AND PER CALCULATIONS ON SHEET S11.
- FRAMING NOTES:
- SECOND LEVEL EXTERIOR WALLS SHALL BE SHEATHED W/ 7/8" OSB APA PANELS W/ 8# COMMON WALLS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE FIELD. SMART PANEL, OR EQUAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - ===== = GB-1/2" MIN GYPSUM BOARD OVER STUDS SPACED 24" MAX FASTENED W/ NO. 6 - 1 1/4" TYPE W OR S DRYWALL SCREWS @ 7" O.C. EDGES & FIELD. MIN 8'-0" SECTIONS ONE SIDE OF WALL. (OR MIN 4'-0" SECTION FOR BOTH SIDES)
 - //////////////////// = LOAD BEARING INTERIOR WALL.
 - ② 2" X 10" R2 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 DESIGNATED 2" X 6" WALLS SHALL HAVE DOUBLE KONG STUDS AT BEAM AND WINDOW OPENINGS.
 - ALL UNSURFACE WALLS SHALL BE 4'S, 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 16# COMMON NAILS @ 16" O.C. MAX. (WHERE APPLICABLE)
 - L.V.L.'S SHOWN ON PLANS MAY BE REPLACED WITH 16#/16" GRADE 24F-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS:
 ② 1 3/4" L.V.L. PILES = 3 1/2" GLULAM
 ③ 1 3/4" L.V.L. PILES = 5 1/2" GLULAM
 - CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY OPENINGS.

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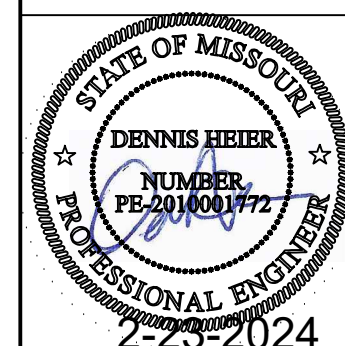
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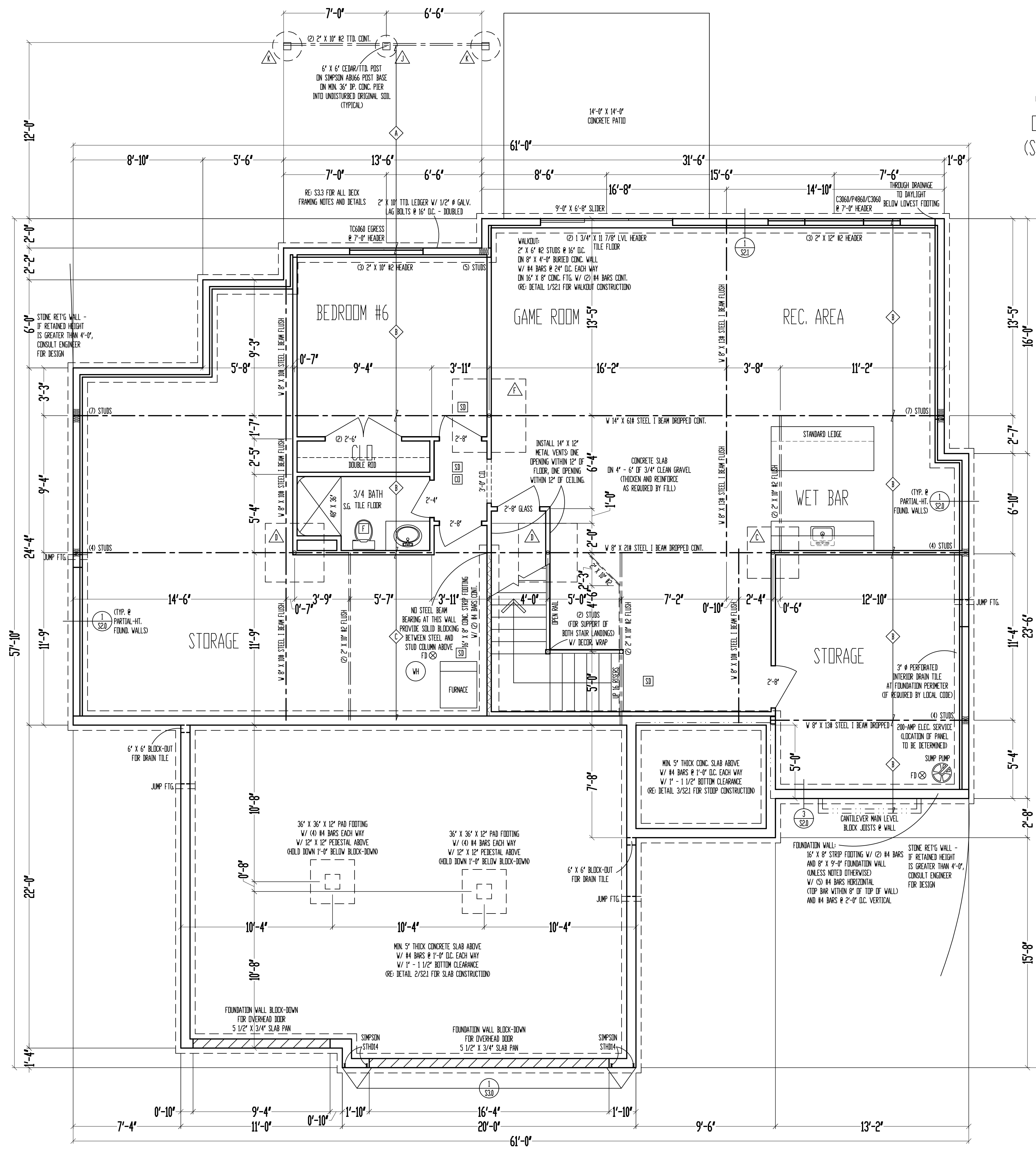
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 General Contractor:
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Date: 2-15-AD 2024
 Rev. 1: 2-22-AD 2024
 Rev. 2:
 Rev. 3:

Sheet Title:
SECOND LEVEL
PLAN

Sheet No.:
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9'-0" FOUNDATION WALLS
(UNLESS NOTED OTHERWISE)
ON 16" X 8" STRIP FOOTINGS
(STEP WHERE GRADE REQUIRES)

2" X 10" FLOOR SYSTEM ABOVE
FOUNDATION
SCALE: 1/4" = 1'-0"

***** WALL BRACING PER FRAMING NOTE #1
AND PER CALCULATIONS ON SHEET S11.

- FRAMING NOTES**
- BASEMENT LEVEL EXTERIOR WOOD-FRAMED WALLS SHALL BE SHEATHED W/ 7/8" OSB. APA PANELS W/ 8d COMMON NAILS @ 6" O.C. AT EDGES & @ 12" O.C. IN THE FIELD. SHEET PANEL, DR. EDGAL, INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - MIN. GYPSUM BOARD OVER STUDS SPACED 24" MAX FASTENED W/ NO. 6 - 1 1/4" TYPE W DR. S BRY-WALL SCREWS @ 7" O.C. EDGES & FIELD. MIN. 8'-0" SECTIONS ONE SIDE OF WALL (300 MIN. 4'-0" SECTION FOR BOTH SIDES).
 - 2" X 10" FLOOR JOIST ABOVE FOUNDATION WALLS - LOAD BEARING INTERIOR WALL.
 - 2" X 10" FLOOR JOIST ABOVE FOUNDATION WALLS - LOAD BEARING INTERIOR WALL.
 - UNLESS NOTED OTHERWISE.
 - LOW TIES @ 4'-0" O.C. (TYPICAL).
 - RIM STUDS THE FULL HEIGHT OF RAISED PLATE WALLS.
 - BLOCK JOISTS ABOVE BEAMS, CANTILEVERS AND LOAD BEARING WALLS WITH BEST MATERIAL (NOT REQUIRED WITH F-JOISTS).
 - PROVIDE MULTIPLE STUDS FOR SILL BEARING BELOW ALL BEAMS.
 - ALL DESIGNATED 2" X 6" WALLS SHALL HAVE DOUBLE KING STUDS AT DOOR AND WINDOW OPENINGS.
 - ALL UNSQUARE 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.
 - 1/2" ANCHOR BOLTS W/ MIN. 2" EMBEDMENT @ 48" O.C. MAX. & WITHIN 6" - 12" OF END OF EACH PLATE LENGTH.
 - LVL'S SHOWN ON PLANS MAY BE REPLACED WITH DF/DF GRADE 2x4-V4 GLULAM BEAMS OF THE SAME DEPTH, AND THE FOLLOWING WIDTHS:
 - 3 1/4" LVL FILES - 3 1/2" GLULAM
 - 1 3/4" LVL FILES - 5 1/2" GLULAM
 - NEW FOUNDATION SHALL BEAR ON ORIGINAL SOIL WITH MINIMUM BEARING CAPACITY OF 1500 PSF. A GEOTECHNICAL ENGINEER IS RECOMMENDED FOR VERIFICATION OF THESE CONDITIONS DURING THE EXCAVATION PHASE. ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION NOT VERIFIED TO BE FOUND ON ANYTHING SHORT OF THE MENTIONED REQUIREMENTS.
 - CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY DEFLECTION LIMITATIONS MORE STRINGENT THAN CODE MINIMUMS ABOVE ANY OPENINGS.

STEEL COLUMN & PAD FOOTING SCHEDULE

▲	3" X 11 GA. STEEL COLUMN ON 36" X 36" X 10" PAD FOOTING W/ (4) #4 BARS EACH WAY (2250)
▲	3 1/2" X 11 GA. STEEL COLUMN ON 36" X 36" X 10" PAD FOOTING W/ (4) #4 BARS EACH WAY (2350)
▲	3" SCH. 40 STEEL COLUMN ON 42" X 42" X 12" PAD FOOTING W/ (5) #4 BARS EACH WAY (2450)
▲	3 1/2" SCH. 40 STEEL COLUMN ON 48" X 48" X 12" PAD FOOTING W/ (6) #4 BARS EACH WAY (2520)
▲	3 1/2" SCH. 40 STEEL COLUMN ON 54" X 54" X 14" PAD FOOTING W/ (7) #4 BARS EACH WAY (4850)
▲	3 1/2" SCH. 40 STEEL COLUMN ON 60" X 60" X 14" PAD FOOTING W/ (8) #4 BARS EACH WAY (5000)

PIER FOOTING SCHEDULE

▲	12" # PIER FTG.
▲	16" # PIER FTG.
▲	18" # PIER FTG.
▲	24" # PIER FTG.

JOIST SCHEDULE

◆	2" X 10" FLOOR JOIST @ 16" O.C.
◆	2" X 10" FLOOR JOIST @ 16" O.C.
◆	2" X 10" FLOOR JOIST @ 16" O.C. - DOUBLED

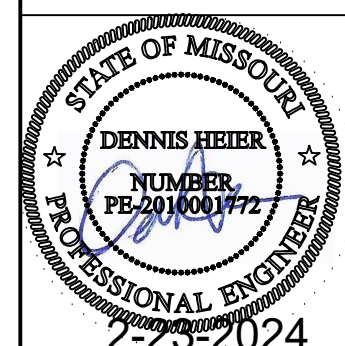
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 Rev. 3:

Sheet Title:
FOUNDATION PLAN

Sheet No.:
A-5 OF 5

RESIDENTIAL SEISMIC & WIND ANALYSIS

LOCATION	DEAD LOAD (psf)	AREA (ft ²)	WEIGHT (lbs.)
ROOF	10	3123	31230
CEILING	10	3123	31230
SECOND FLOOR	10	794	7940
FIRST FLOOR	10	3123	31230
SECOND FLOOR EXT. WALL DL	162	8	13056
FIRST FLOOR EXT. WALL DL	237.68	10	23768
SECOND FLOOR INT. PARTITION WALL DL	6	794	4764
FIRST FLOOR INT. PARTITION WALL DL	6	3123	18738

PROJECTED AREAS (WIND DESIGN PER 115 MPH 3-SECOND GUST, EXPOSURE C AND MEAN ROOF HEIGHT <= 30 FT ASSUMED)					
FRONT-TO-BACK			SIDE-TO-SIDE		
SLOPED ROOF	AREA	LOAD	SLOPED ROOF	AREA	LOAD
	249	1084		311	1370
VERT. ROOF	0	0	VERT. ROOF	0	0
2ND	411.03	5984	2ND	317.97	4900
1ST	671	9276	1ST	636.13	15140
BSMT	0	0	BSMT	132	2297
PRESSURE (PSF) - PER ASCE CH. 6			PRESSURE (PSF) - PER ASCE CH. 6		
SLOPED ROOF	ZONE B	5.9	ZONE C	11.6	2a (FIG. 28.6-1, ASCE7)
WALL/VERT. ROOF	ZONE A	17.4	ZONE D	3.4	11.566
MEAN ROOF HT. (ft.)	29				

a) If there is a walkout wall to be sheathed, determine tributary wind area and enter here. If no walkout, enter 0 for area.
 $q_{10} = 0.00256K_z K_{d1} V^2$ (ASCE7-10 Velocity Pressure) $q_{10, ASD} = 0.6q_{10}$ (Design Velocity Pressure for ASD analysis under ASCE7-10 and IRC/IBC 2012)

2ND FLOOR TRIBUTARY WEIGHT	67644
1ST FLOOR TRIBUTARY WEIGHT	97415
BASEMENT TRIBUTARY WEIGHT	97415
S _g (SITE GROUND MOTION - %g - FROM ASCE7 SEISMIC MAP)	12.0%
F _a (from ASCE7 Table 11.4-1)	1.6
S _{ds} (= 2/3 * S _g * F _a)	0.128
R (from ASCE7 Table 12.2-1)	6.5

SEISMIC SHEAR		
LOCATION	From ASCE7 (Eq. 12.8-1):	V (= 1.2 * S _{ds} * W / R) (lbs.)
2ND FLOOR		1598
1ST FLOOR		2302
BASEMENT		2302

Sheathing Location	Min. Sheathing Schedule	Fastening Schedule	Allowable Shear (#/LF)	Code Reference
Exterior (Option #1)	7/16" APA Rated Plywood/OSB	1-1/2" 15ga. Staples w/ 1" penetration @ 5" O.C. Edges, 6" O.C. Field For 24" stud spacing, 12" O.C. Field For 16" stud spacing	155	per IRC, Table 2308.3(1)
Exterior (Option #2)	7/16" APA Rated Plywood/OSB	1-1/2" 15ga. Staples w/ 1" penetration @ 4" O.C. Edges, 6" O.C. Field For 24" stud spacing, 12" O.C. Field For 16" stud spacing	230	per IRC, Table 2308.3(1)
Exterior (Option #3)	7/16" APA Rated Plywood/OSB	1-1/2" 15ga. Staples w/ 1" penetration @ 3" O.C. Edges, 6" O.C. Field For 24" stud spacing, 12" O.C. Field For 16" stud spacing	310	per IRC, Table 2308.3(1)
Exterior (Option #4)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing	8d Common Nails w/ 1-3/8" penetration @ 6" O.C. Edges, 12" O.C. Field for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 4" O.C. Edges, 12" O.C. Field for 3/8" shiplap panel sheathing	220	AF&PA SDPWS Table 4.3A
Exterior (Option #5)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing, or 3/8" shiplap panel sheathing with tighter nail spacing	8d Common Nails w/ 1-3/8" penetration @ 4" O.C. Edges, 12" O.C. Field for 7/16" APA-rated plywood/OSB or shiplap panel sheathing OR @ 3" O.C. Edges, 12" O.C. Field for 3/8" shiplap panel sheathing	320	AF&PA SDPWS Table 4.3A
Exterior (Option #6)	7/16" APA Rated Plywood/OSB or shiplap panel sheathing with tighter nail spacing and double studs at each panel edge	8d Common Nails w/ 1-3/8" penetration @ 3" O.C. Edges, 12" O.C. Field	410	AF&PA SDPWS Table 4.3A
Interior	1/2" Gypsum Board	No. 6-1 1/4" Type W or S Screws @ 8" O.C. Edges, 12" O.C. Field	60	per IRC, Table 2306.4.4
Interior	16 Ga. Simpson/USP Type WB Steel X-Brace (or equal)	(3) 16d @ end studs & (1) 8d @ intermediate studs (per manufacturer specifications - see detail on sheet S3)	325	

EXTERIOR SHEATHING OPTION FOR SECOND FLOOR	4
EXTERIOR SHEATHING OPTION FOR FIRST FLOOR	4
EXTERIOR SHEATHING OPTION FOR BASEMENT WALLS	4

WIDTH OF 1ST STORY (FT.)	61	WIDTH OF 2ND STORY (FT.)	45.67
DEPTH OF 1ST STORY (FT.)	57.83	DEPTH OF 2ND STORY (FT.)	35.33
BACK WALL OF GARAGE (FT.)	0		
GAR. WALL: 1=F-B, 2=S-S	2		

	SEISMIC				WIND			
	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)
2ND FLOOR	53	14840	58	16240	53	20776	58	22736
1ST FLOOR	77	21560	41	11480	77	30184	41	16072
BASEMENT	0	0	27.5	7700	0	0	27.5	10780

	ADDITIONAL RESISTANCE REQUIRED		Anchor Bolt Spacing (in.)		16d Nail Spacing req'd at bottom plate (in.)	
	SEISMIC	WIND	diameter (in.)	spacing (in.)	2nd Floor F-B	1st Floor F-B
2ND FLOOR FRONT-TO-BACK	0	0	0.5	946	44	53
2ND FLOOR SIDE-TO-SIDE	0	0	128.3	146.1	19	22
1ST FLOOR FRONT-TO-BACK	0	0				
1ST FLOOR SIDE-TO-SIDE	0	0				
BASEMENT FRONT-TO-BACK	0	0				
BASEMENT SIDE-TO-SIDE	0	0				

RESISTANCE REQUIRED IN ADDITION TO RESISTANCE PROVIDED BY EXTERIOR WALLS**							
	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE	INTERIOR X-BRACES (325#/BRACE)	INTERIOR WALL LENGTH W/ 1/2" GYPSUM BOARD PER TABLE (FT.)	INT. WALL LENGTH SHEATHED W/ OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL METHODS (POUNDS)	OK?
2ND FLOOR FRONT-TO-BACK	0					0	YES
2ND FLOOR SIDE-TO-SIDE	0					0	YES
1ST FLOOR FRONT-TO-BACK	0					0	YES
1ST FLOOR SIDE-TO-SIDE	0					0	YES
BASEMENT FRONT-TO-BACK	0					0	YES
BASEMENT SIDE-TO-SIDE	0					0	YES

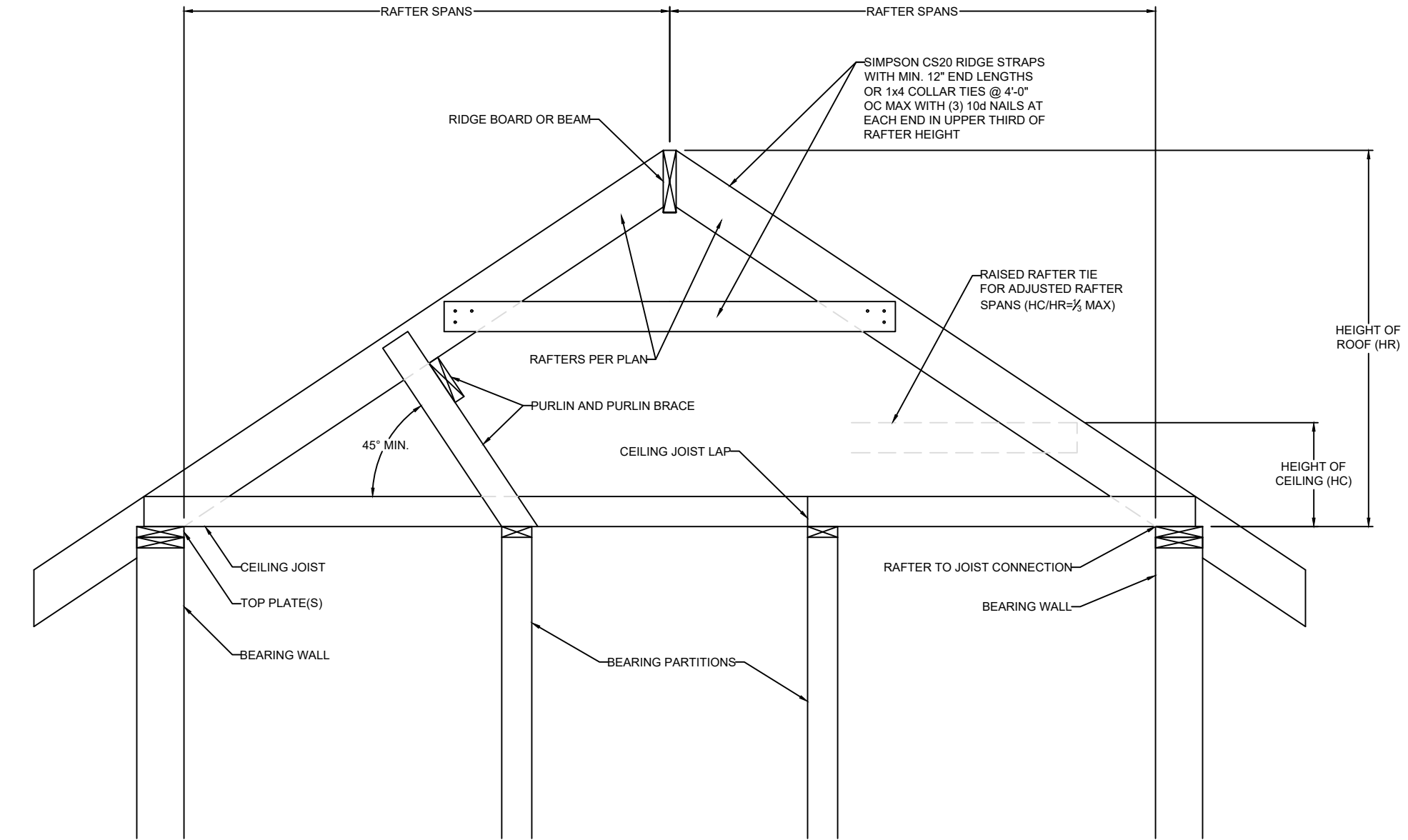
**NOTES: 1) SEE ATTACHED CALCULATIONS FOR PORTAL FRAME OR PERFORATED SHEAR WALL RESISTANCE CAPACITIES (IF APPLICABLE).
 2) SEE SHEET S1 FOR INTERIOR STEEL X-BRACE INSTALLATION. 3) INTERIOR WALLS SHEATHED WITH OSB SHALL BE ATTACHED WITH SAME STAPLE/NAILING PATTERN AS EXTERIOR OSB ON SAME FLOOR (SEE TABLE ABOVE) AND ARE ONLY APPLICABLE FOR FULL-HEIGHT SECTIONS OF 2'-0" OR LONGER
 ALL LATERAL BRACING ATTACHED AT EXTERIOR WALLS AND WALLS DIRECTLY ON FOUNDATIONS; THEREFORE, NO INTERIOR BRACING PER 2012 IRC SECTION R502.2.1 IS REQUIRED

WIND UPLIFT ANALYSIS							
ROOF PITCH (MAX)	X/12	DEGREES	PITCH OF 6 OR LESS: EOH-13.3, E-7.2, G-5.2	ASCE 7			
	LENGTH (FT.)	PRESSURE (PSF)	LINEAL FT. OF OH	UPLIFT PER FT* (LBS)			
OVERHANG	1	16.58	239.66	16.58			
TOTAL AREA (FT ²)	ZONE E AREA (FT ²)	ZONE G AREA (FT ²)	PRESSURE ZN. E (PSF)	PRESSURE ZN. G (PSF)	TOTAL FORCE (LBS)	FORCE PER LINEAL FT @ PERIMETER (LBS)	
MAIN ROOF**	3527.63	1338.602576	2189.027424	15.12	10.5	43224	181.9
*ALONG PERIMETER	TOTAL UPLIFT PER LINEAL FOOT ALONG EXTERIOR (POUNDS)			198.4	UPLIFT OK		
**INSIDE EXTERIOR WALLS	RESISTANCE DUE TO DEAD WEIGHT & (3) 10d TOENAILS			251.6			

NOTE FOR CONSTRUCTION:
 THE CONTINUOUS STRUCTURAL PANEL SHEATHING BRACING METHOD REQUIRES USE OF THE ABOVE TABLE FOR SHEATHING OF THE ENTIRE STRUCTURE. IN ADDITION, FRAMING MEMBERS SHALL BE @ 16" O.C. MAX., UNBLOCKED, AND W/ SHEATHING APPLIED DIRECTLY TO FRAMING MEMBERS

NOTE FOR DESIGN:
 ALL WALLS USED IN THE CALCULATION OF THE RESISTANCE FOR THIS STRUCTURE SHALL HAVE A MINIMUM UNINTERRUPTED HEIGHT OF 8'-0" AND LENGTH OF 2'-8". ALLOWABLE RESISTANCES HAVE BEEN #/FT AND INCREASED BY 40% FOR WIND LOADS, PER VALUES IN 2012 IBC SECTION 2306 AND AF&PA SDPWS TABLE 4.3A. FOR EXAMPLE, 7/16" APA-RATED SHEATHING WITH 8d @ 6" & 12" HAS A SEISMIC SHEAR VALUE OF 240 A WIND SHEAR VALUE OF 335#/FT - 40% GREATER THAN THAT OF SEISMIC

NOTE: SOIL SITE CLASS ASSUMED TO BE CLASS D. IF SITE CONDITIONS ARE DETERMINED TO BE CLASS E OR F, CONSULT ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION



1 BRACED RAFTER CONSTRUCTION
 SCALE: 1" = 1'-0" (16x20) OR 1/2" = 1'-0" (20x40)

Appliance #	Appliance	BTU/h
Appliance #1	Furnace	100000 BTU/h
Appliance #2		BTU/h
Appliance #3	Water Heater	50000 BTU/h

Total BTU/hr: 150000 BTU/h

Area of Combined Space (floor where appliances are located)	1435 ft ²
Ceiling Height in Usable Space	8.5 ft

Note: Per 2018 IRC Section G2407.5.3.2, The volumes of spaces in different stories shall be considered as communicating spaces where such spaces are connected by one or more openings in doors or floors having a total minimum free area of 2 square inches per 1,000 BTU/h of total input rating of all appliances

Is floor where appliances are located open to adjacent level? **Yes**
 If Yes, what is the area of open space adjacent to appliance area? **0**

Per 2018 IRC Section G2407.5.1 (Standard Method), the minimum required volume shall be 50 cubic feet per 1,000 BTU/hr
 (Total BTU/hr / 1,000 BTU/hr x 50 ft³)
 Required air space in combined areas: **7500 ft³**

Required combined area: **882 ft²**

Area of Combined Space > Required combined area? **OK**

Per Section G2407.5.3.1, each opening shall have a minimum free area of 1 square inch per 1,000 BTU/hr of the total input rating of all appliances in the space, but not less than 100 square inches. One opening shall commence within 12 inches of the top and one opening shall commence within 12 inches of the bottom of the enclosure. The minimum dimension of air openings shall be not less than 3 inches.

Minimum required opening area: **150 in²**
 Minimum grill size: **14 x 11 (inches)**
 Note: two grills required - one within 12" of floor, one within 12" of clg.

VISTA
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 DENNIS@VISTASTRUCTURAL.COM * VISTASTRUCTURAL.COM

CLIENT: FRANCISCO INZUNZA & NICOLE ROBINSON
 JOB TITLE: RHF200 INZUNZA-ROBINSON
 LOT 200, RETREAT AT HOOK FARMS - PHASE 2
 LOCATION: 2234 SW CROWN DR.
 LEE'S SUMMIT, MISSOURI

STATE OF MISSOURI
 DENNIS HEIER
 NUMBER: PE-2019001772
 PROFESSIONAL ENGINEER
 2-19-2024

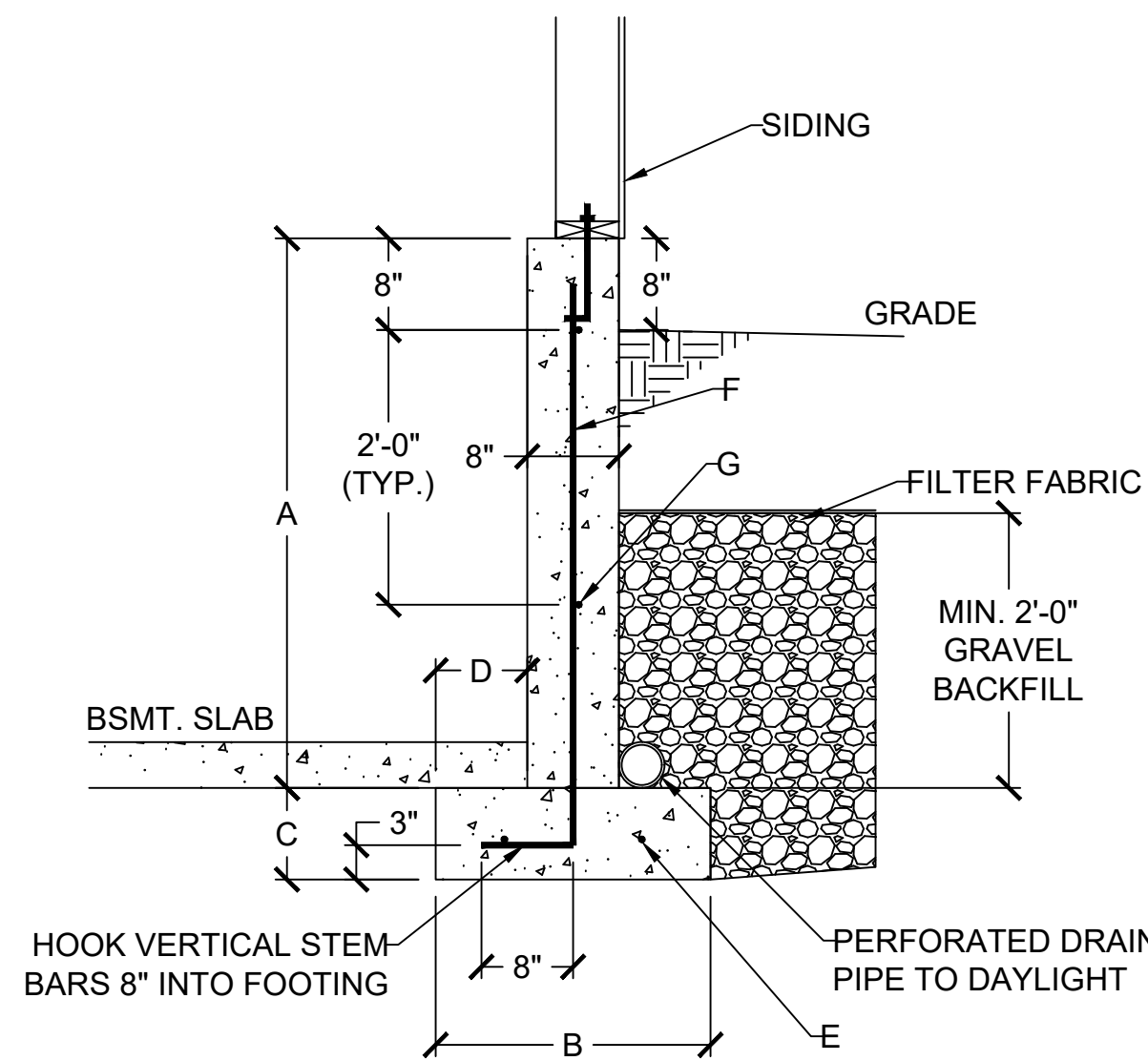
NO.	DATE	REVISION	BY

DRAWING TITLE
STRUCTURAL CALCULATIONS

ENGINEER: DMH CHECKED BY: DMH
 JOB NO. DRAWN BY: DMH
 DATE: 02-19-24
 SHEET NUMBER

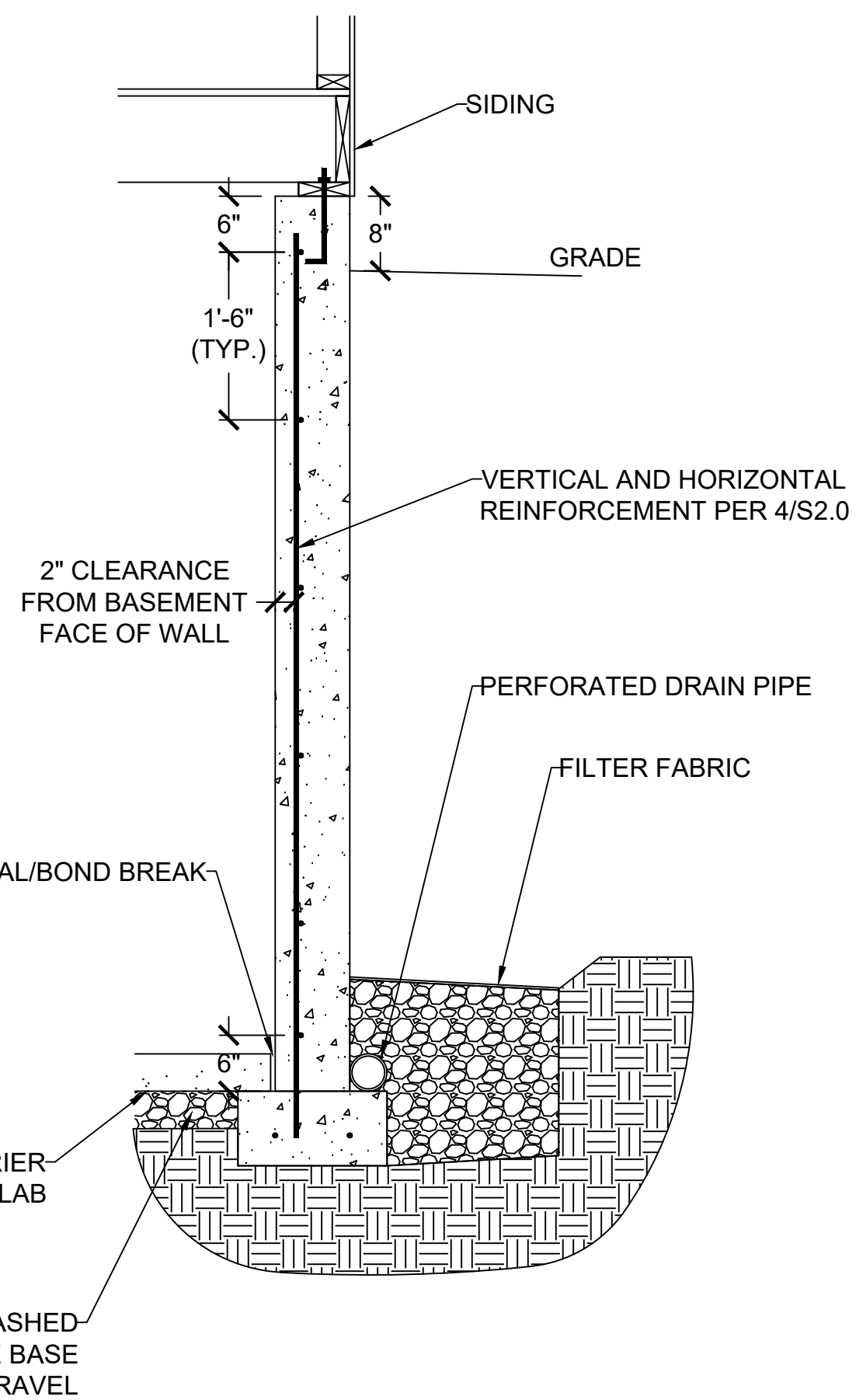
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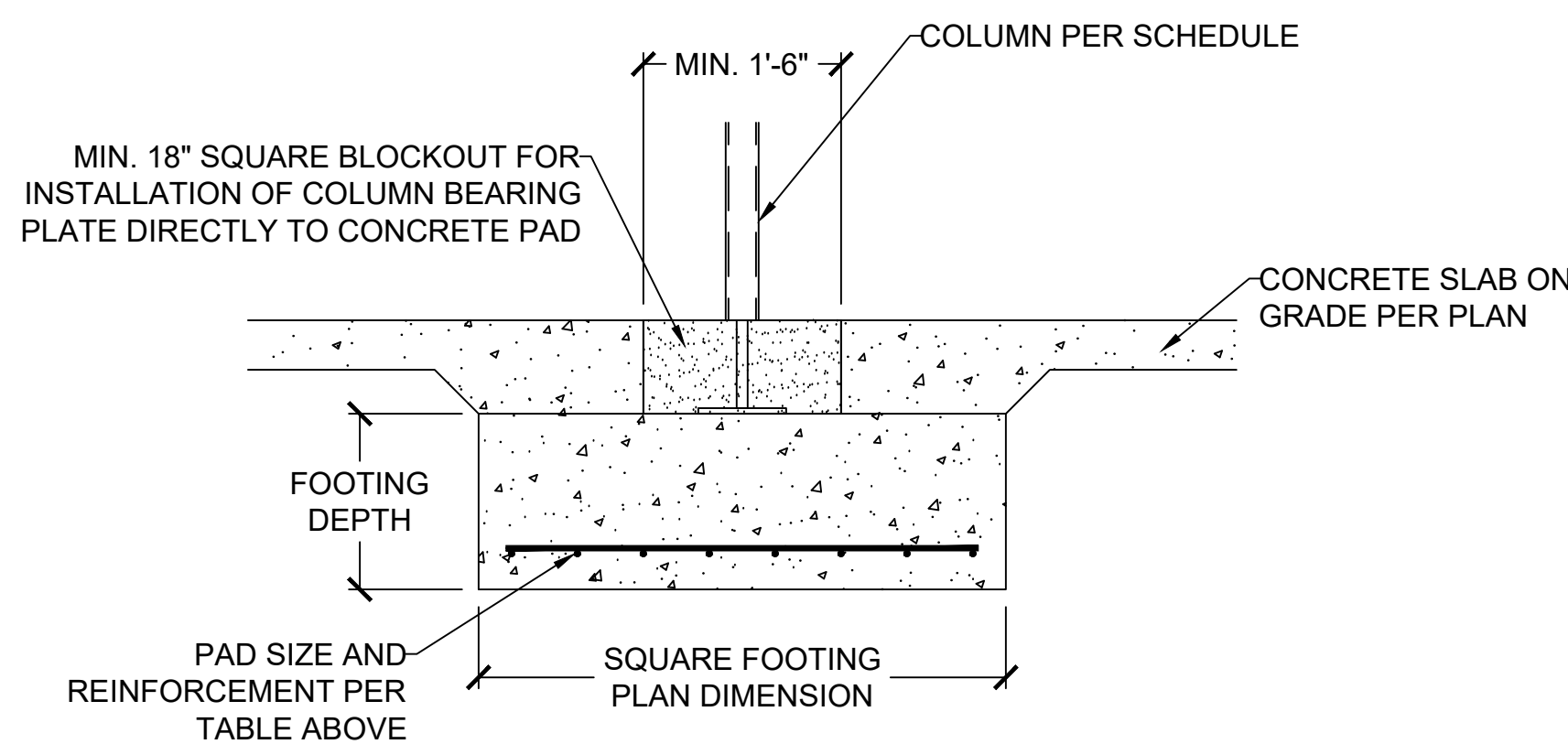


DAYLIGHT BASEMENT WALL SCHEDULE						
A	B	C	D	E	F	G
4'-0"	1'-6"	0'-8"	0'-5"	(2) #4	#4 VERT. @ 12" O.C.	(2) #4 HORIZ.
5'-0"	2'-0"	0'-8"	0'-7"	(2) #4	#4 VERT. @ 12" O.C.	(3) #4 HORIZ.
6'-0"	2'-6"	0'-8"	0'-10"	(3) #4	#4 VERT. @ 12" O.C.	(3) #4 HORIZ.

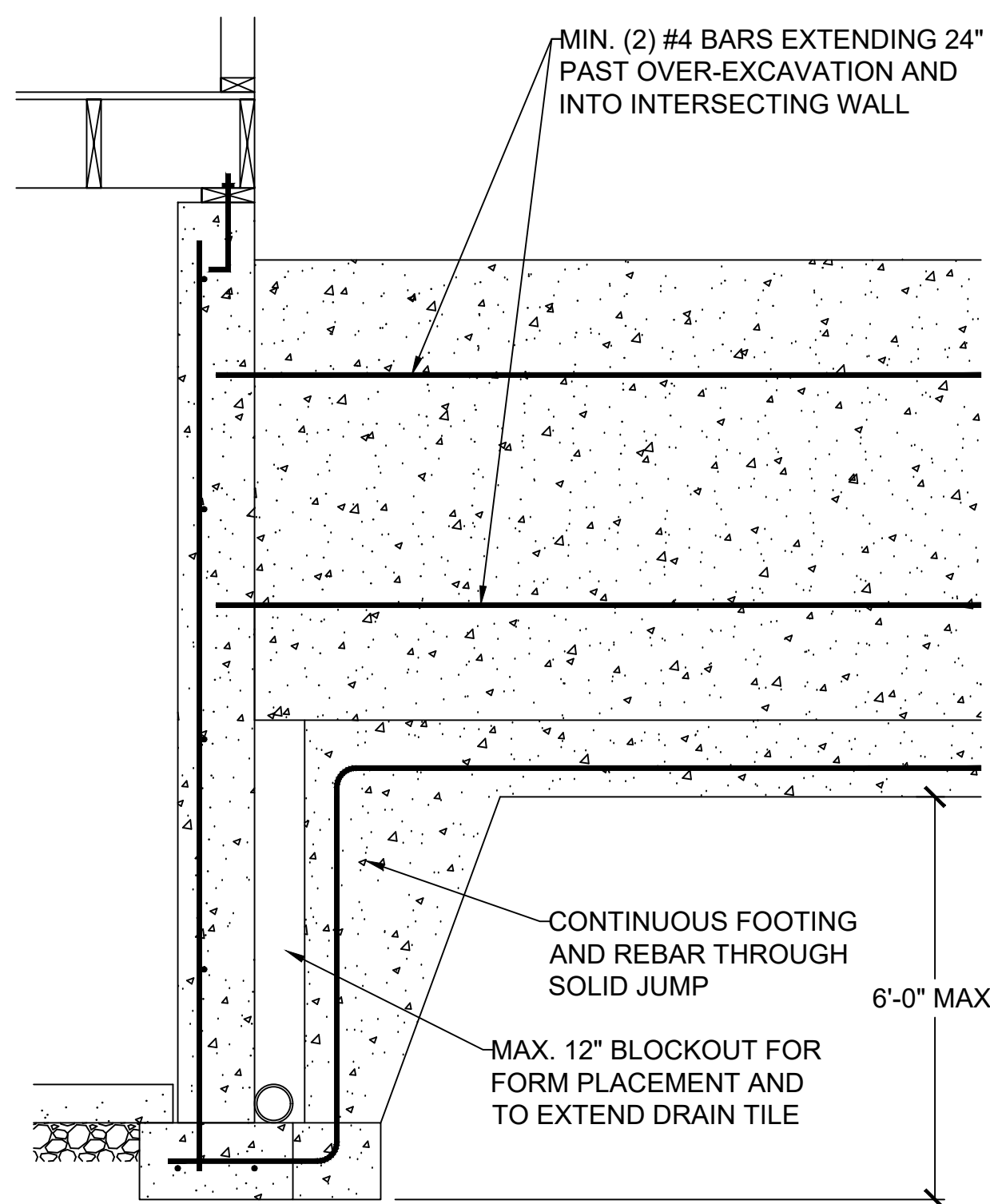
1 DAYLIGHT WALL CONSTRUCTION
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



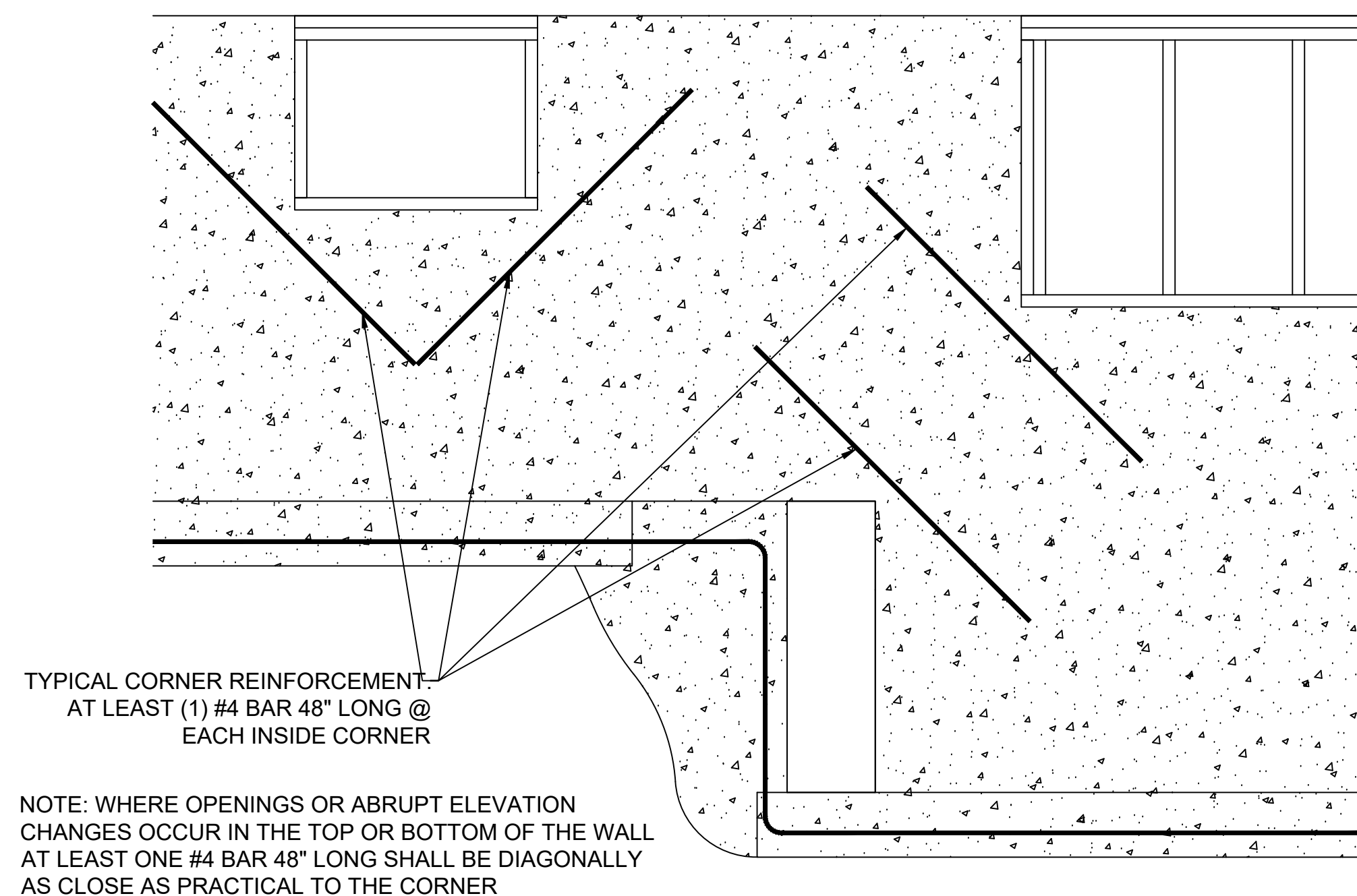
3 CONCRETE WALL SECTION
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



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

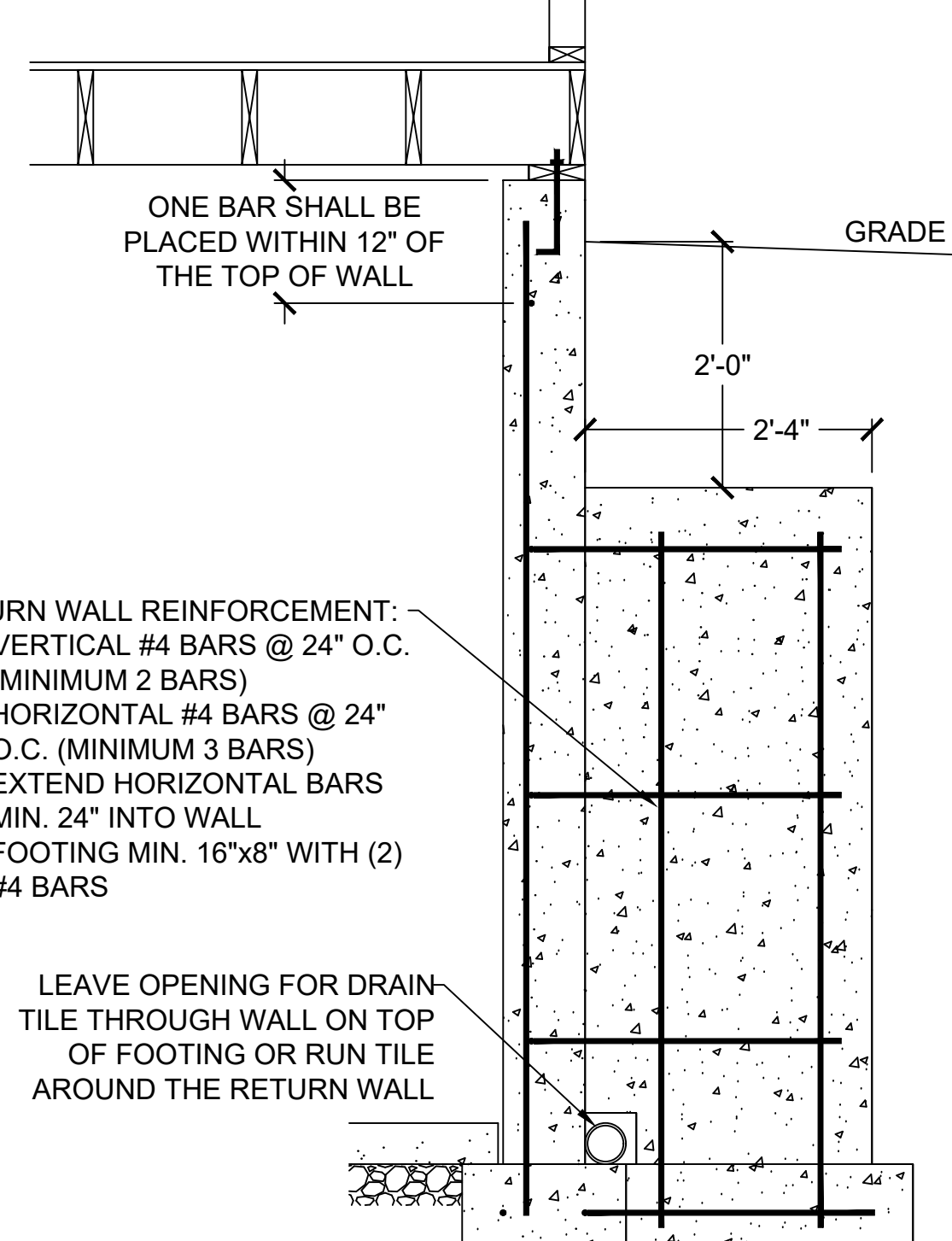


5 SOLID JUMP
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



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

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



- RETURN WALL REINFORCEMENT:
- VERTICAL #4 BARS @ 24" O.C. (MINIMUM 2 BARS)
 - HORIZONTAL #4 BARS @ 24" O.C. (MINIMUM 3 BARS)
 - EXTEND HORIZONTAL BARS MIN. 24" INTO WALL
 - FOOTING MIN. 16"x8" WITH (2) #4 BARS

LEAVE OPENING FOR DRAIN TILE THROUGH WALL ON TOP OF FOOTING OR RUN TILE AROUND THE RETURN WALL

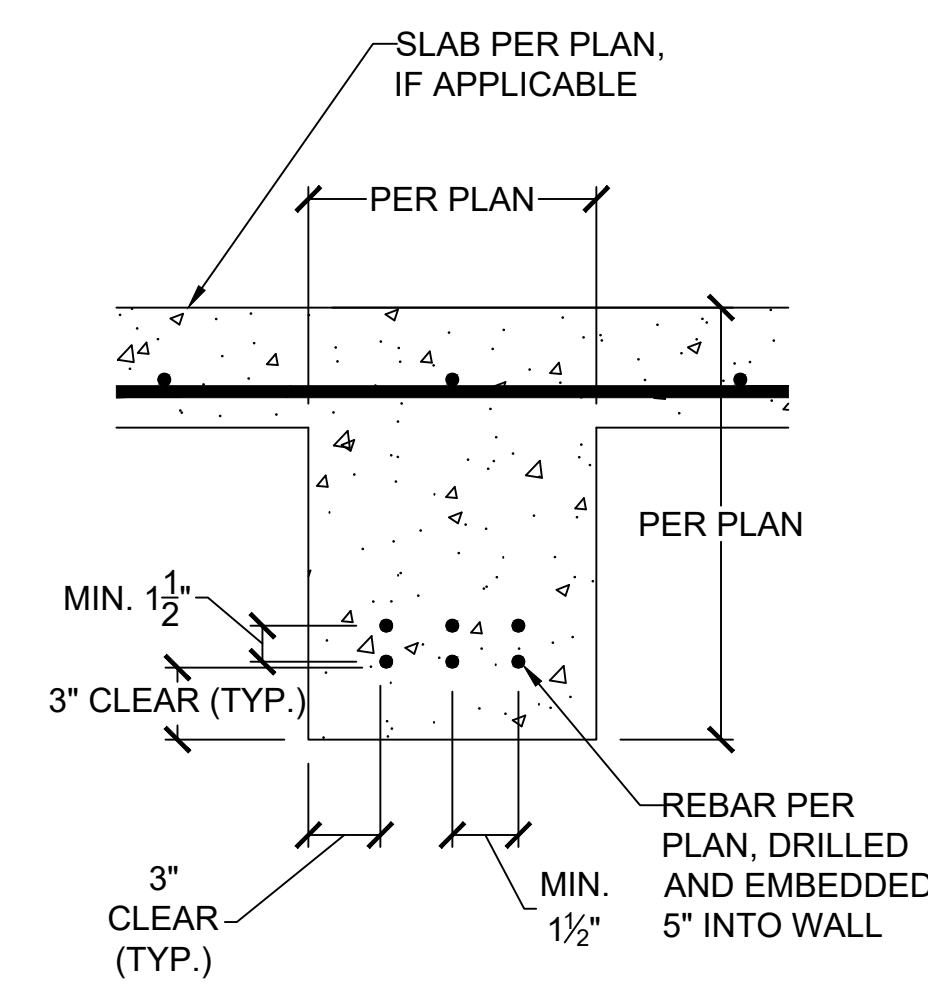
7 RETURN WALL DETAIL
S2.0 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

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:
- 1) WALL HEIGHT IS MEASURED FROM THE TOP OF THE WALL TO THE TOP OF THE FLOOR SLAB
 - 2) 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:
 - A) 8" WALL - MINIMUM 5" FROM THE OUTSIDE FACE
 - B) 10" WALL - MINIMUM 6 3/4" FROM THE OUTSIDE FACE
 - C) EXTEND BARS TO WITHIN 8" OF THE TOP OF THE WALL
 - 3) REINFORCEMENT CLEARANCES:
 - A) CONCRETE EXPOSED TO EARTH - MINIMUM 1 1/2"
 - B) NOT EXPOSED TO WEATHER (INTERIOR SIDE OF WALLS) - 3/4"
 - C) CONCRETE EXPOSED TO WEATHER (TOP CLEARANCE IN GARAGE AND DRIVEWAY SLABS) - 1 1/2"
 - 4) HORIZONTAL REINFORCEMENT:
 - A) ONE BAR SHALL BE PLACED WITHIN 12" OF THE TOP OF THE WALL
 - B) OTHER BARS SHALL BE EQUALLY SPACED WITH SPACING NOT TO EXCEED 24" OC
 - C) HORIZONTAL BARS SHOULD BE AS CLOSE TO THE TENSION FACE AS POSSIBLE (INTERIOR) AND BEHIND THE VERTICAL REINFORCEMENT (I.E. 2" TOWARD THE INSIDE)
 - D) 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.
 - 5) REINFORCEMENT SHALL BE LAPPED A MINIMUM 24" AT ENDS, SPLICES, AND AROUND CORNERS.
 - 6) 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.
 - 7) 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
 - 8) WALL SHALL NOT BE BACKFILLED UNTIL FLOOR SYSTEM AND DIAPHRAGM ARE IN PLACE

4 FOUNDATION WALL REINFORCEMENT TABLE
S2.0 NO SCALE



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



CLIENT: FRANCISCO INZUNZA & NICOLE ROBINSON
JOB TITLE: RHF200 INZUNZA-ROBINSON LOT 200, RETREAT AT HOOK FARMS - PHASE 2
LOCATION: 2234 SW CROWN DR, LEE'S SUMMIT, MISSOURI

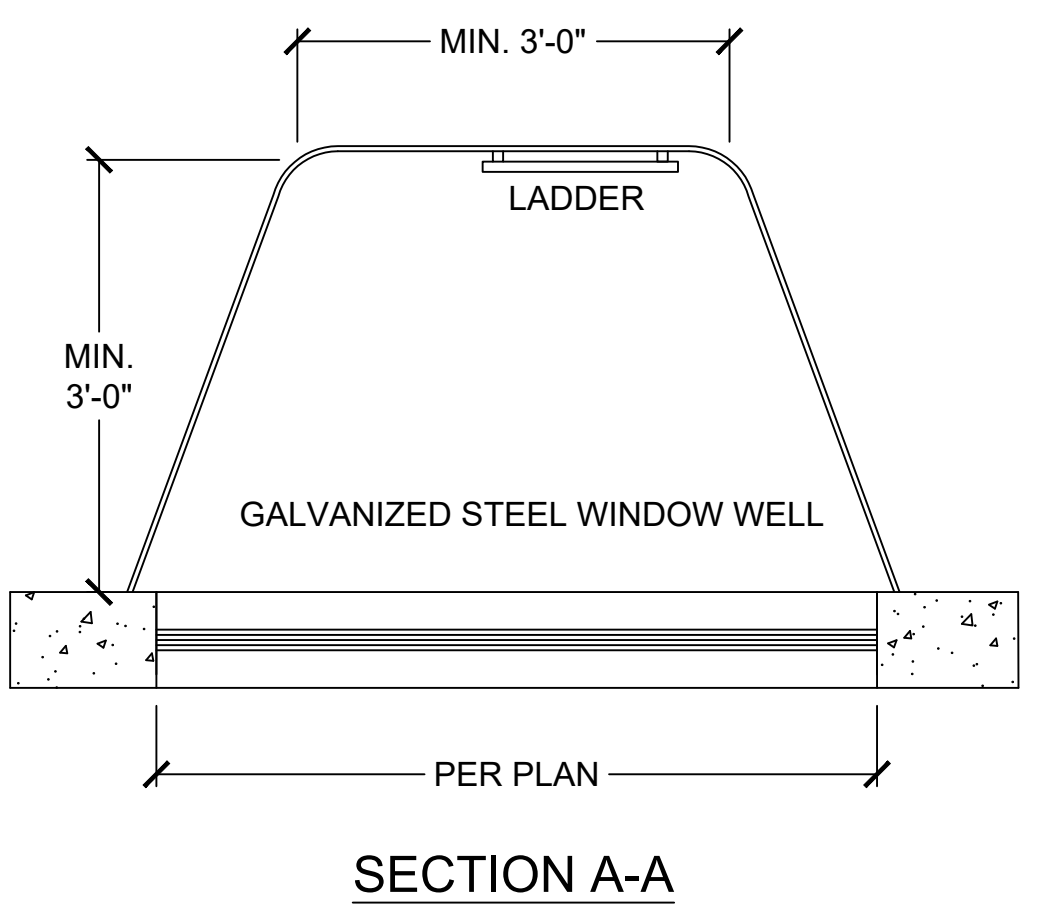
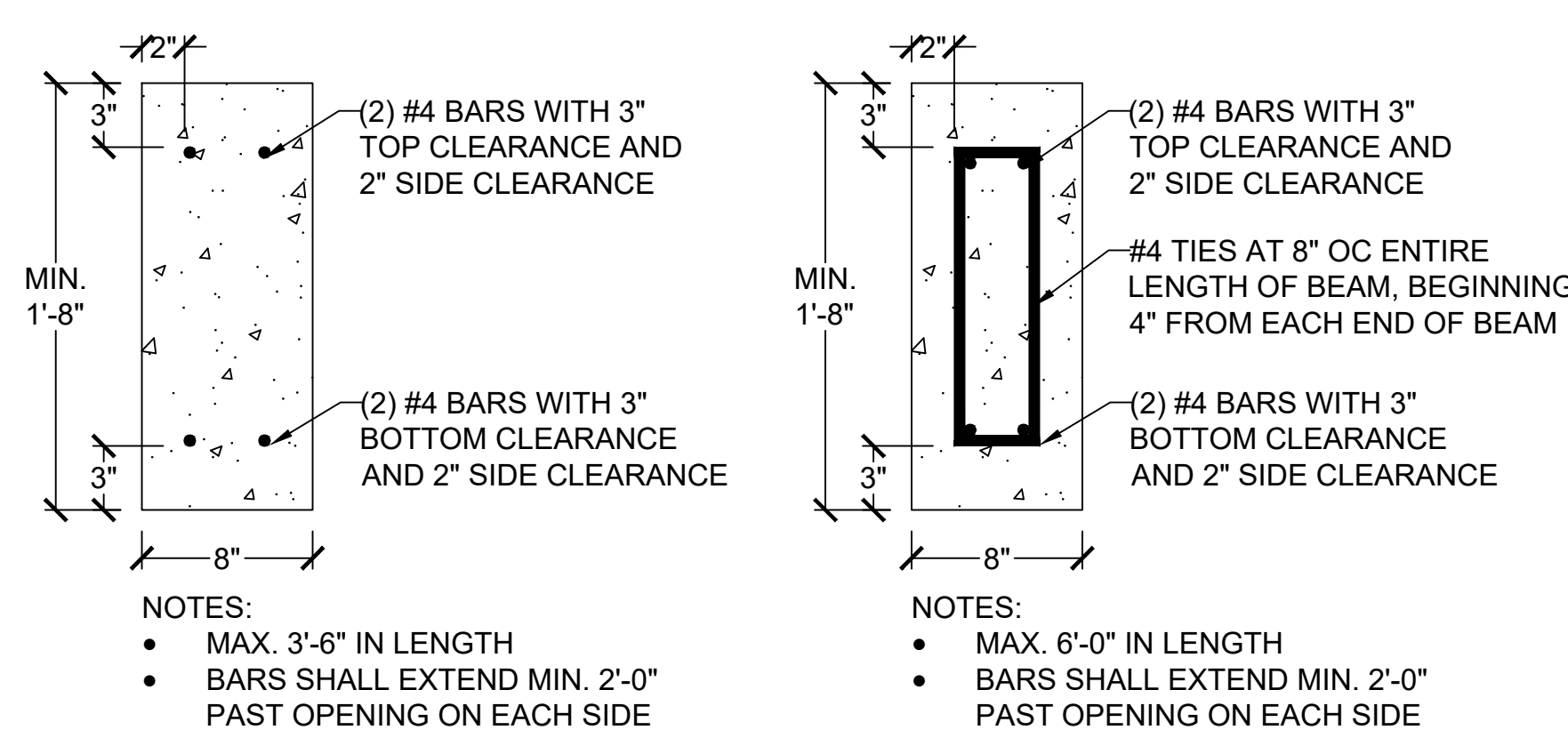
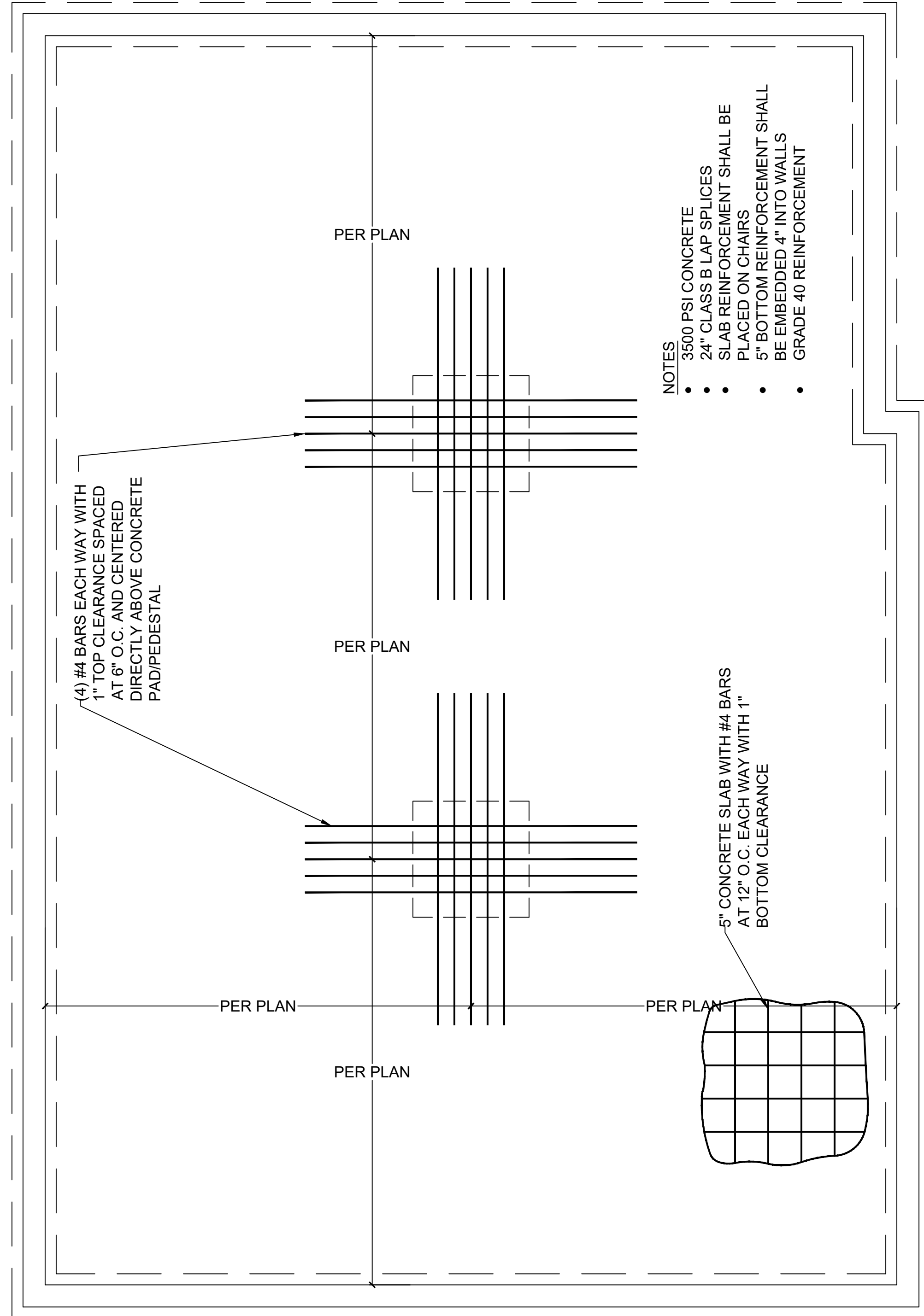
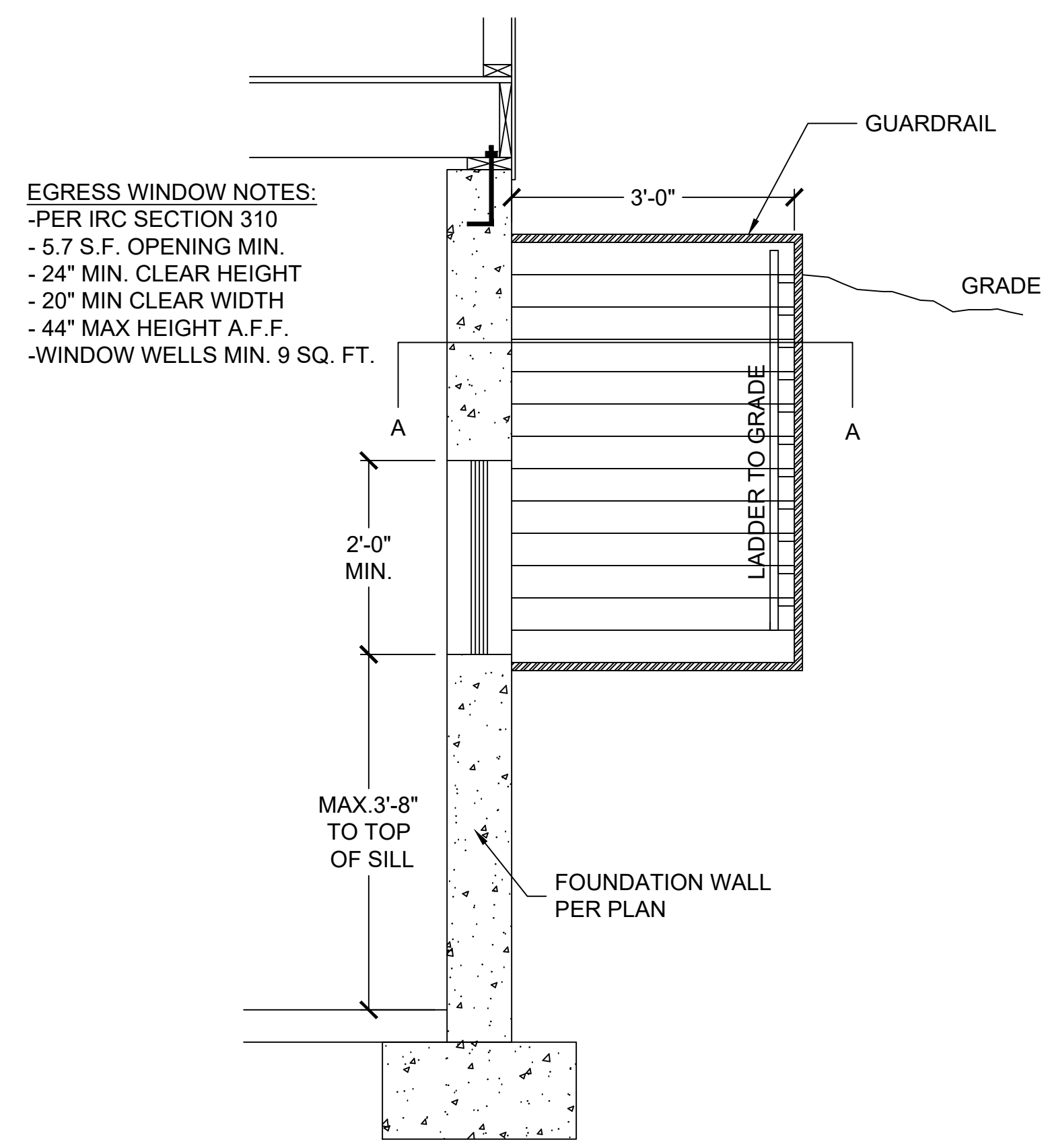
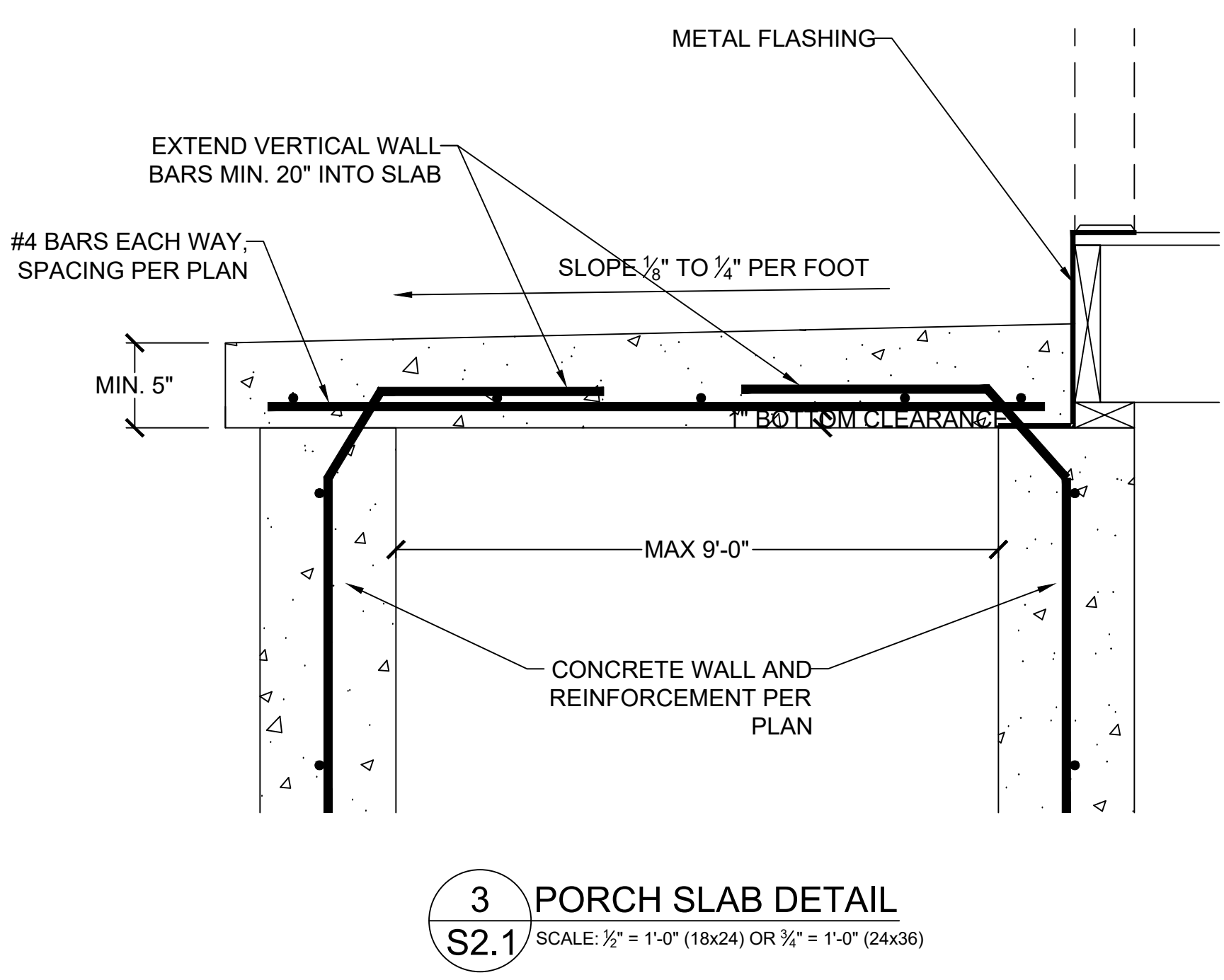
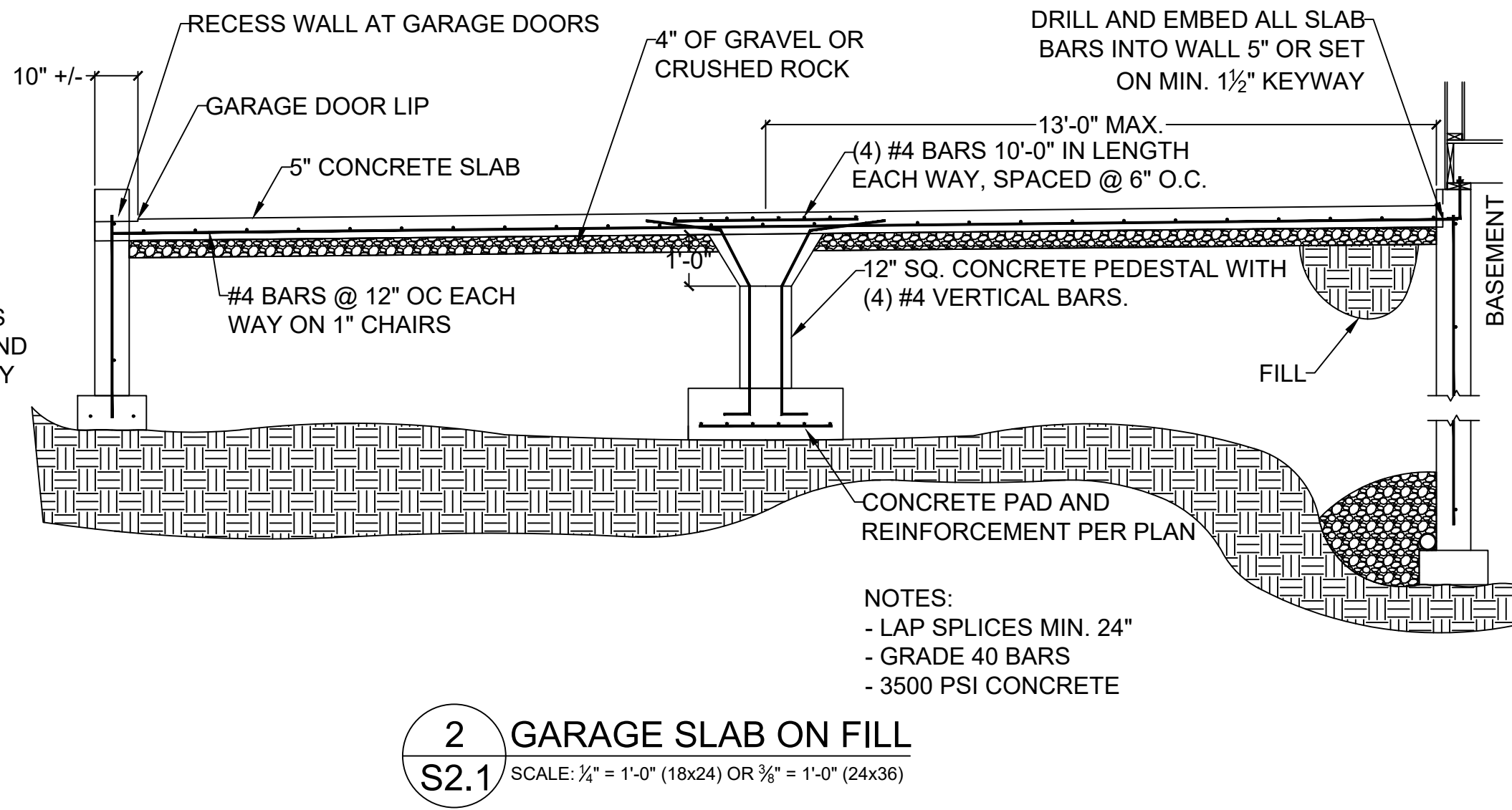
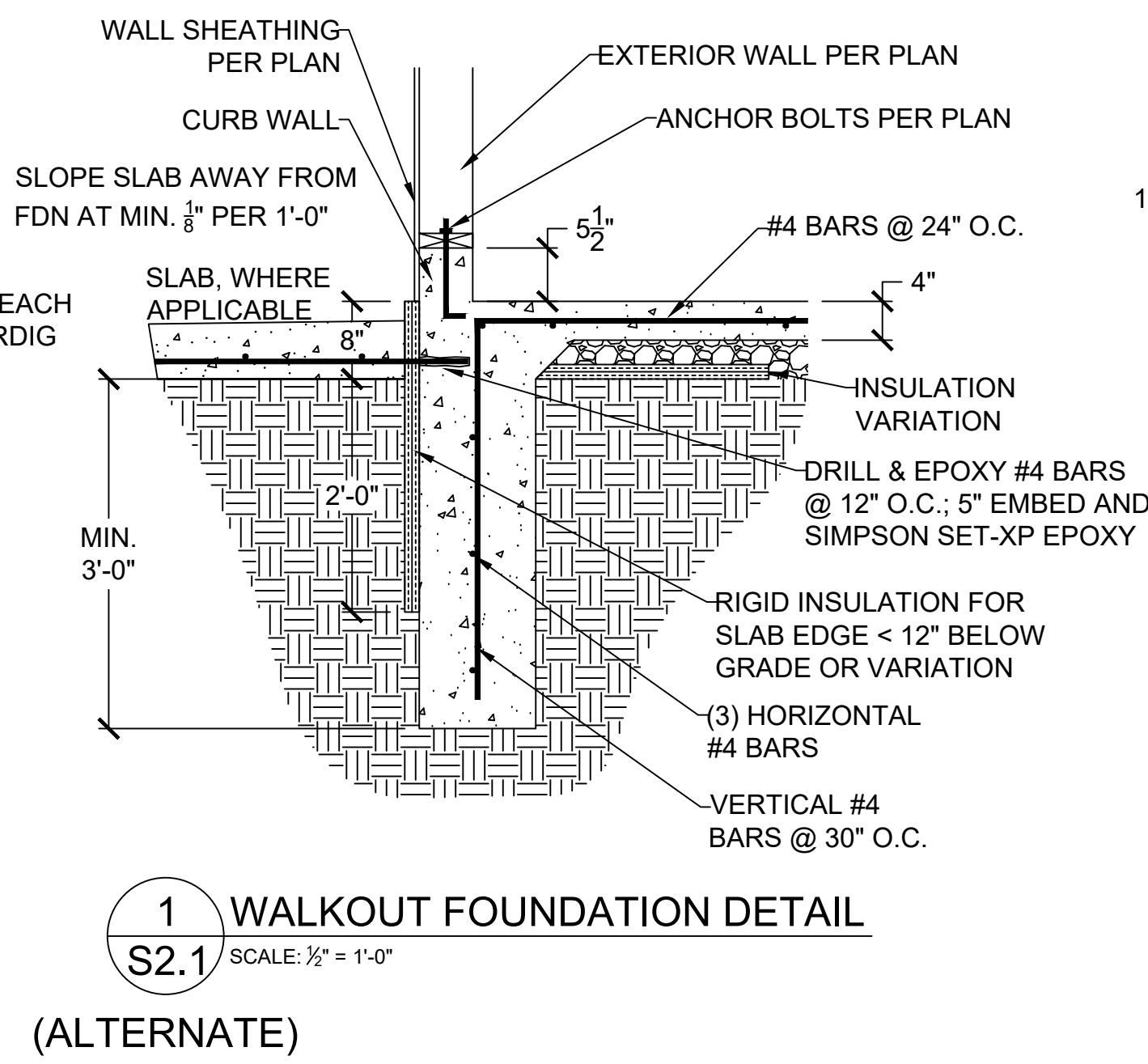
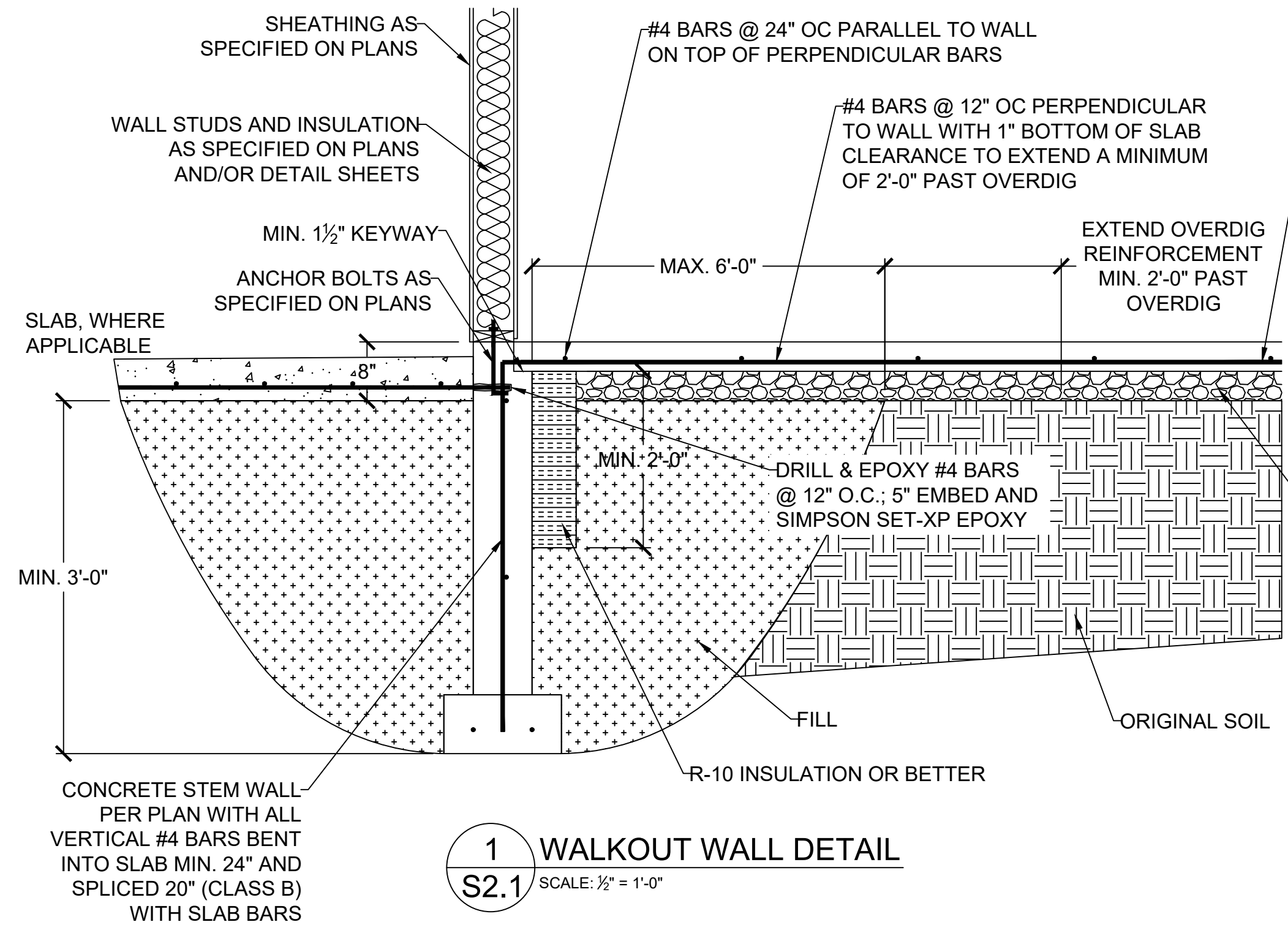


NO.	DATE	REVISION	BY

DRAWING TITLE
FOUNDATION DETAILS

ENGINEER: DMH CHECKED BY: DMH
JOB NO. DRAWN BY: DMH
DATE: 02-19-24
SHEET NUMBER

S2.0



VISTA ENGINEERING, LLC
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CLIENT: FRANCISCO INZUNZA & NICOLE ROBINSON
JOB TITLE: RHF200 INZUNZA-ROBINSON LOT 200, RETREAT AT HOOK FARMS - PHASE 2
LOCATION: 2234 SW CROWN DR, LEE'S SUMMIT, MISSOURI

STATE OF MISSOURI
DENNIS HEIER
NUMBER: PE-201901772
PROFESSIONAL ENGINEER
2-19-2024

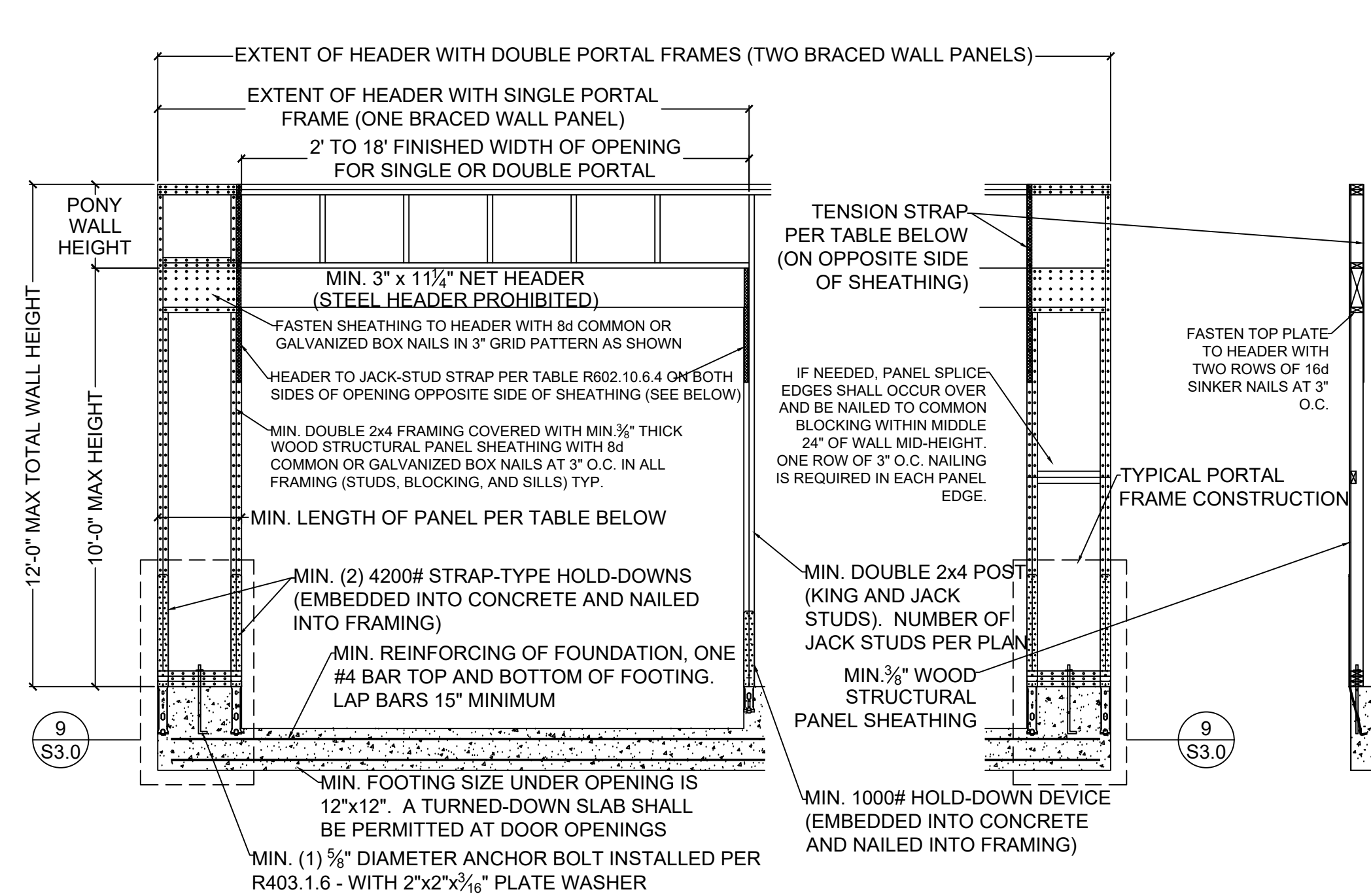
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ENGINEER: DMH CHECKED BY: DMH
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SHEET NUMBER

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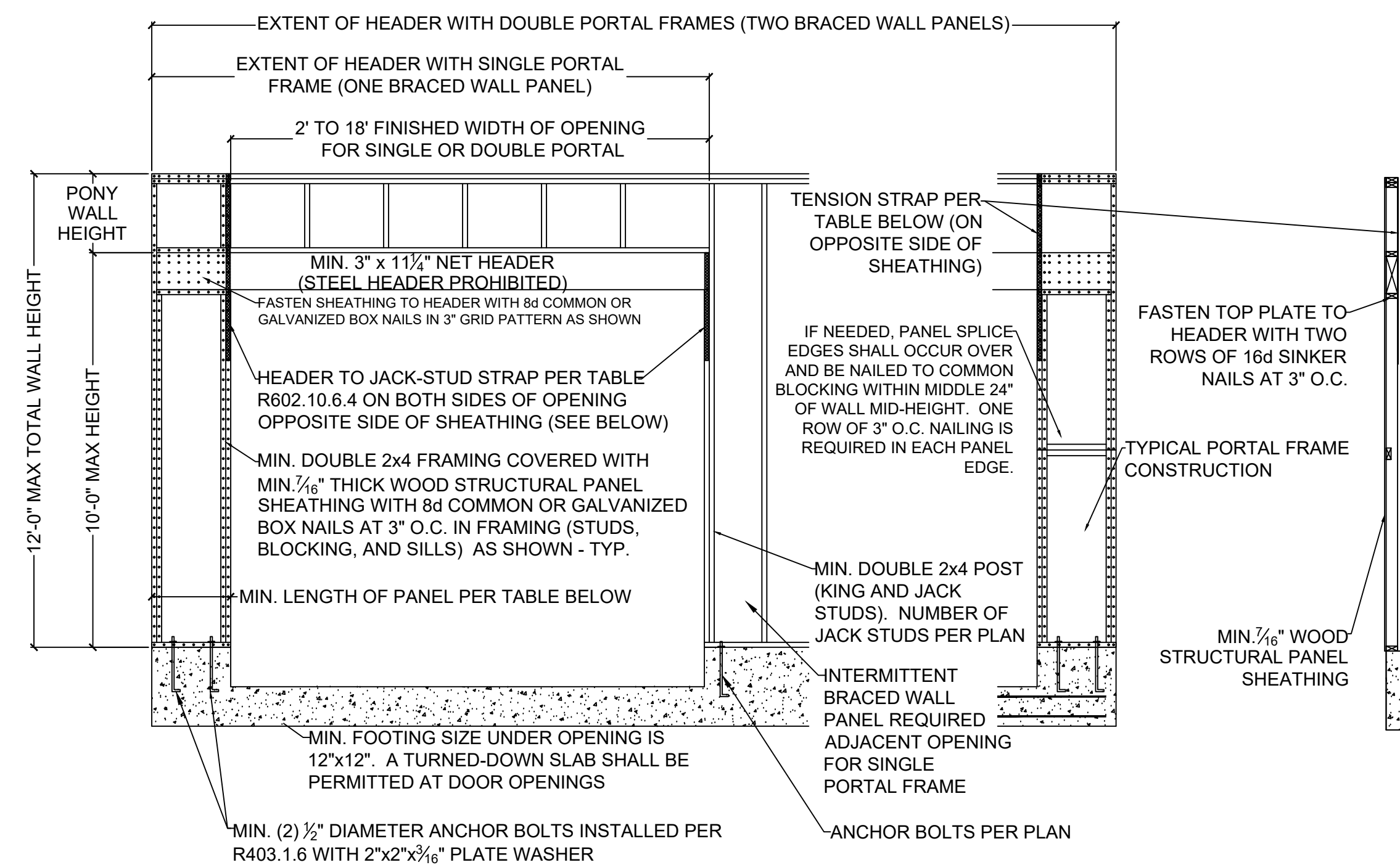
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1 METHOD PFH (PORTAL FRAME WITH S3.0 HOLD-DOWNS) - PER FIGURE IRC R602.10.6.2

SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

	MINIMUM PANEL LENGTH FOR DETAIL 1/S3.0 (INCHES)				
	WALL HEIGHT				
	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET
SUPPORTING ROOF ONLY	16	16	16	18	20
SUPPORTING ONE STORY AND ROOF	24	24	24	27	29

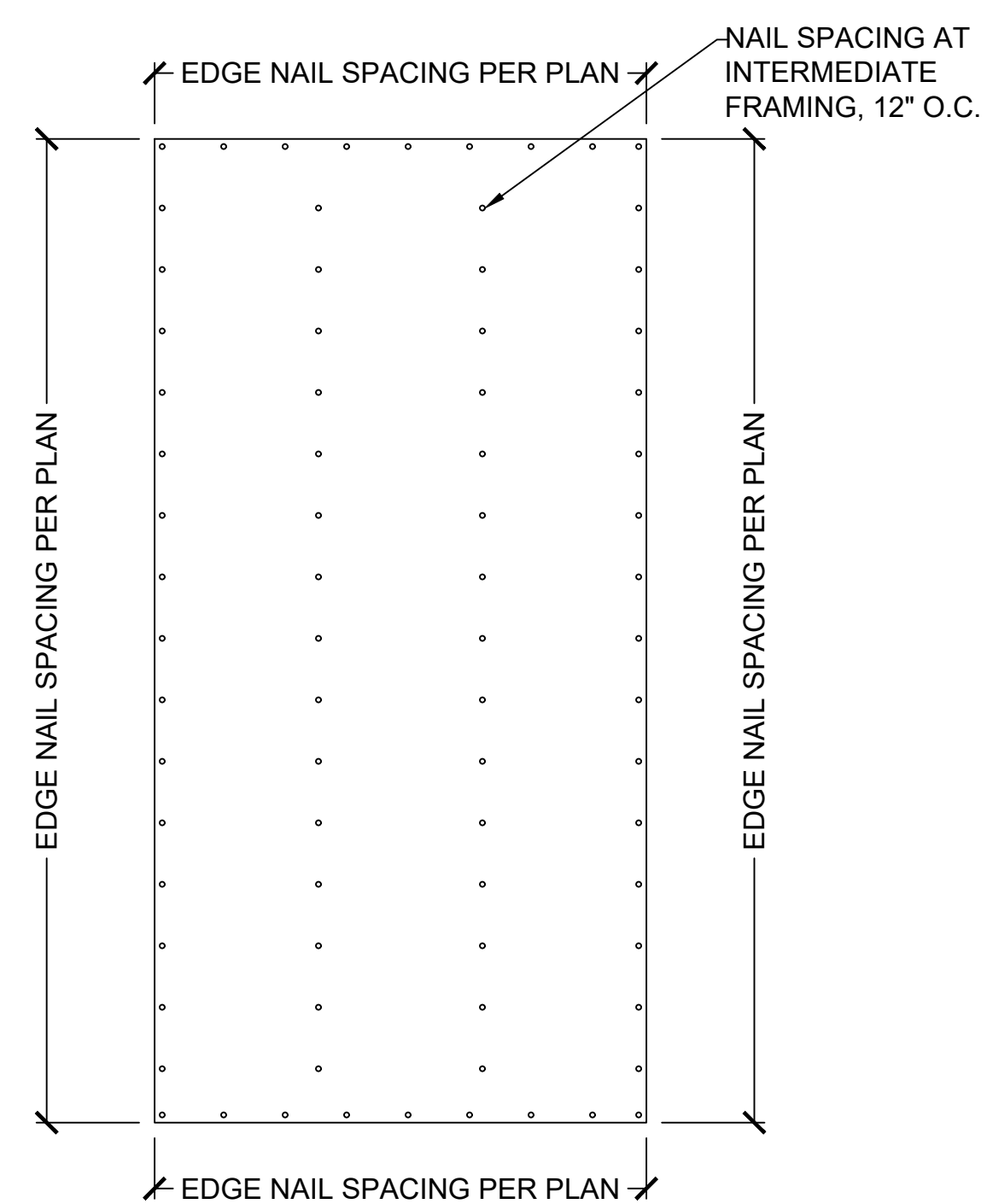


2 METHOD PFG (PORTAL FRAME AT GARAGE S3.0 DOOR) - PER FIGURE IRC R602.10.6.3

SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

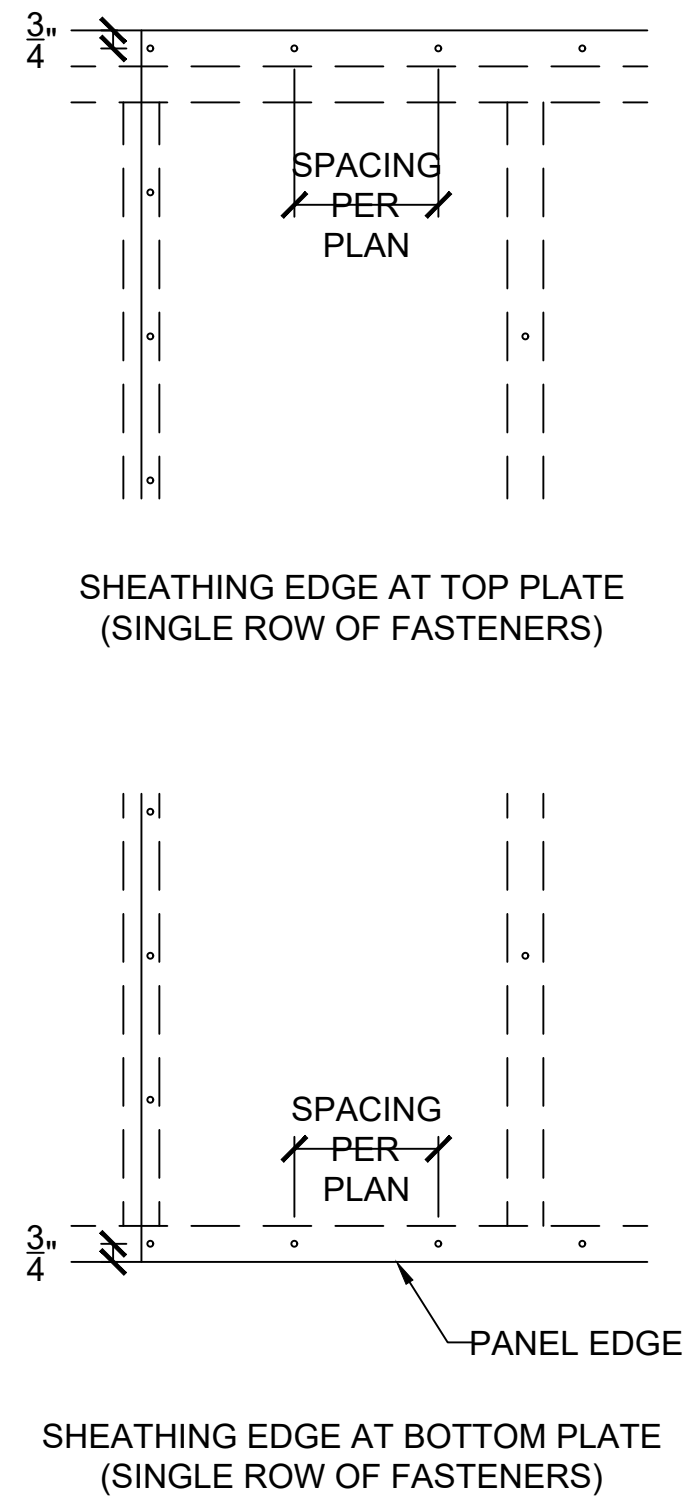
MINIMUM PANEL LENGTH FOR DETAIL 2/S3.0 (INCHES)					
WALL HEIGHT					
8 FEET	9 FEET	10 FEET	11 FEET	12 FEET	
24	27	30	33 ^a	36 ^a	

a. Maximum opening height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height may be increased to 12 feet with pony wall



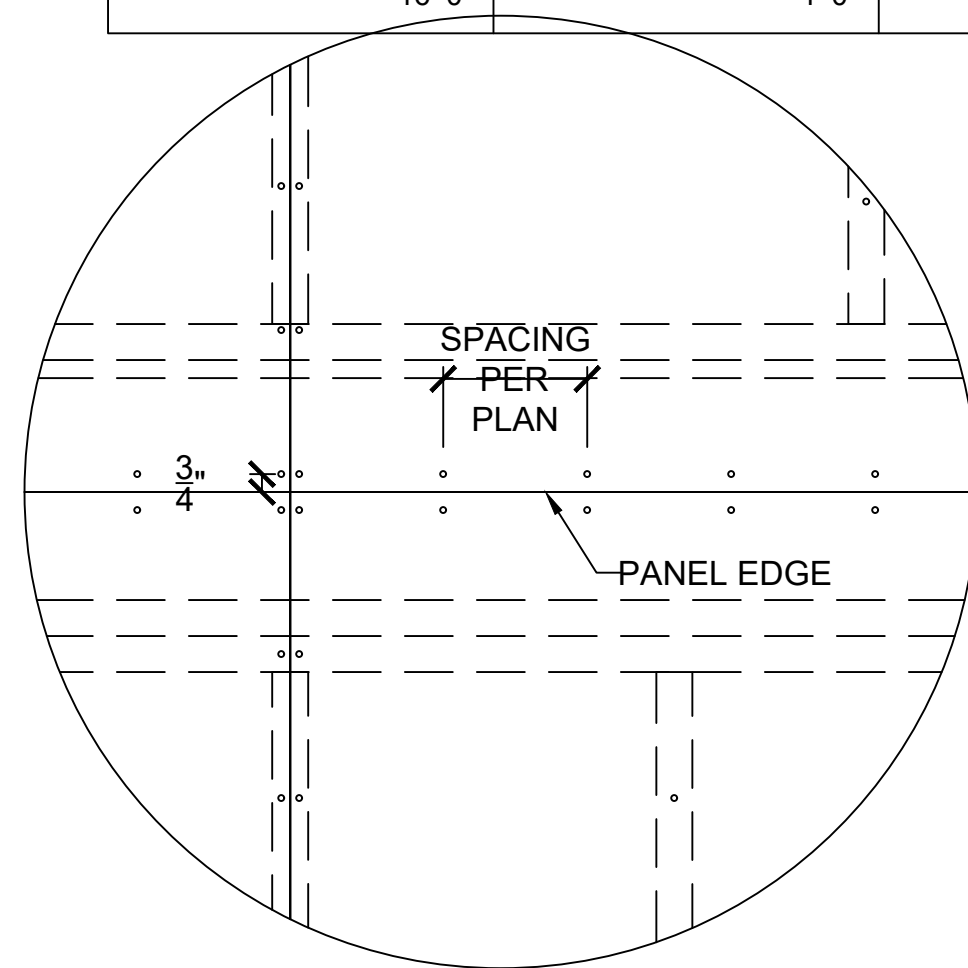
3 EXTERIOR WALL SHEATHING S3.0 PANEL ATTACHMENT

SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



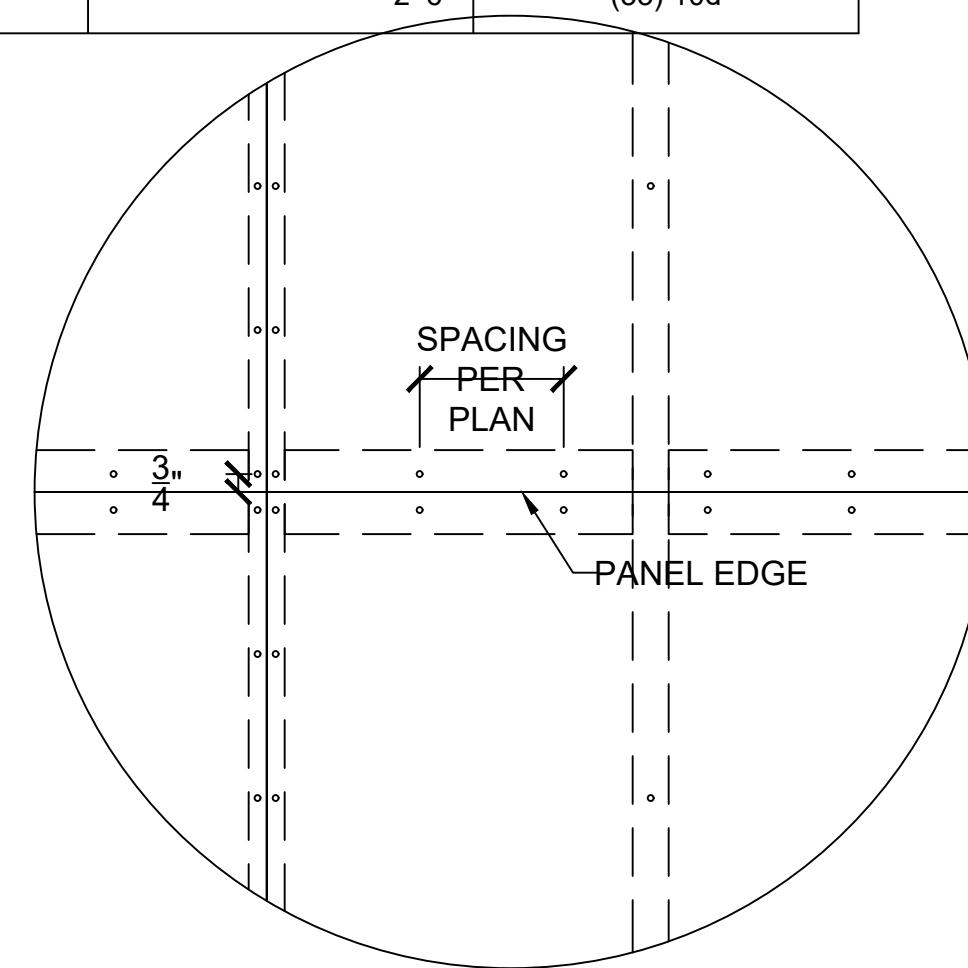
4 SHEATHING EDGE AT TOP AND BOTTOM PLATES S3.0

SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)



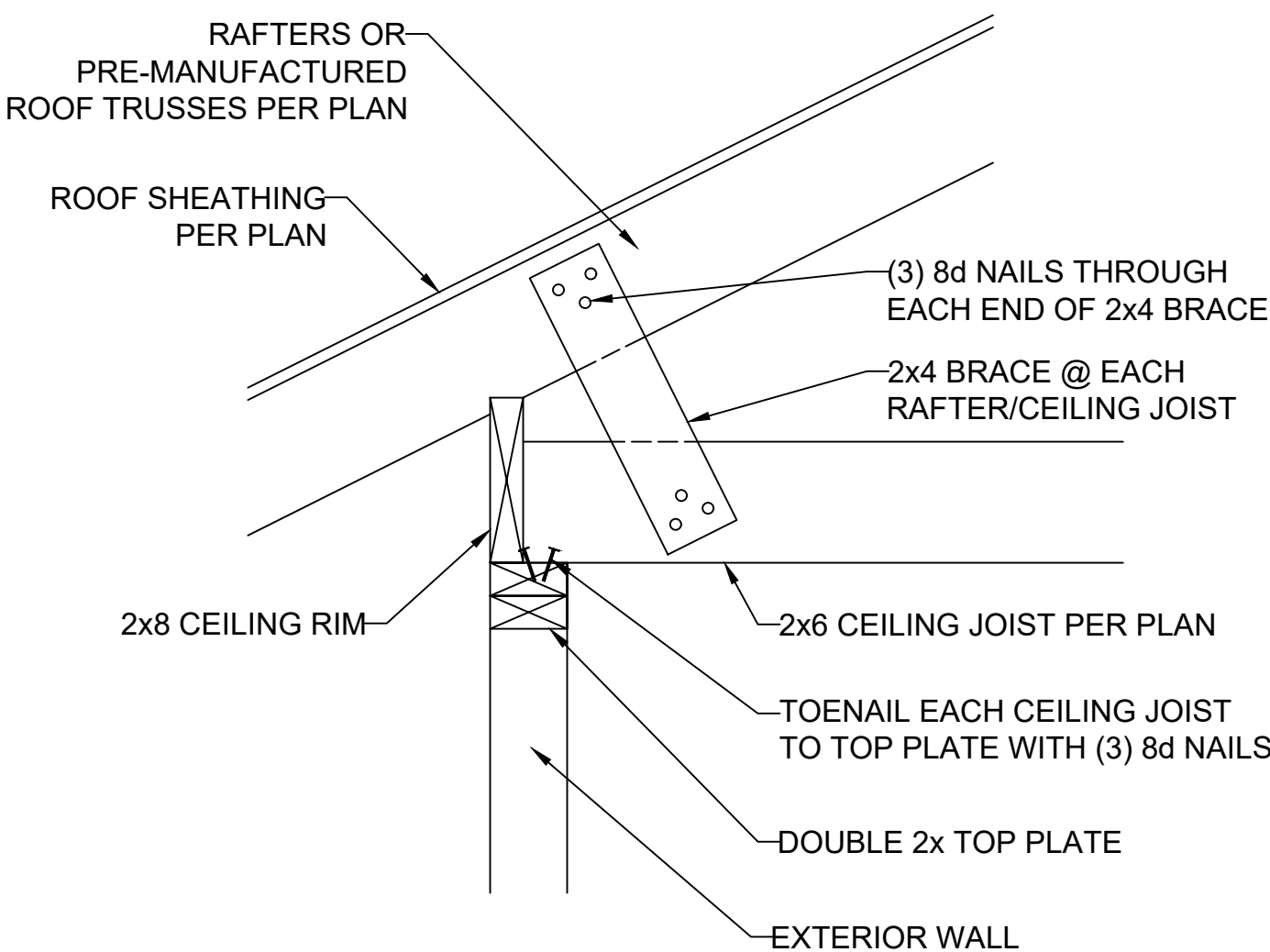
5 SHEATHING EDGE AT HORIZONTAL S3.0 FRAMING MEMBER

SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)



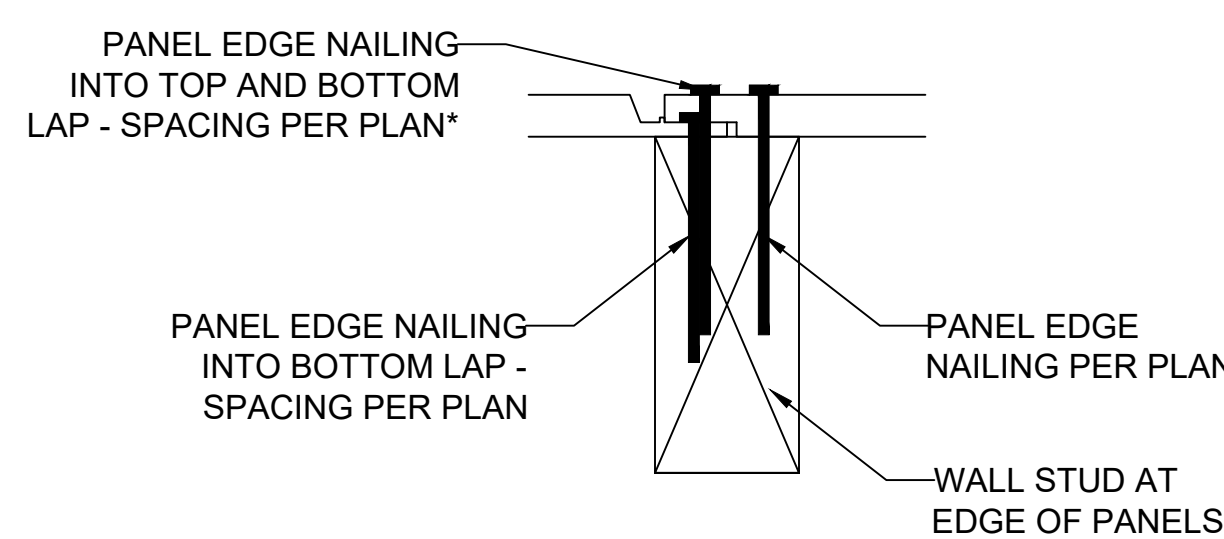
6 SHEATHING EDGE AT PANEL S3.0 SPLICE ACROSS STUDS

SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)



7 RAFTER BEARING OPTION DETAIL S3.0

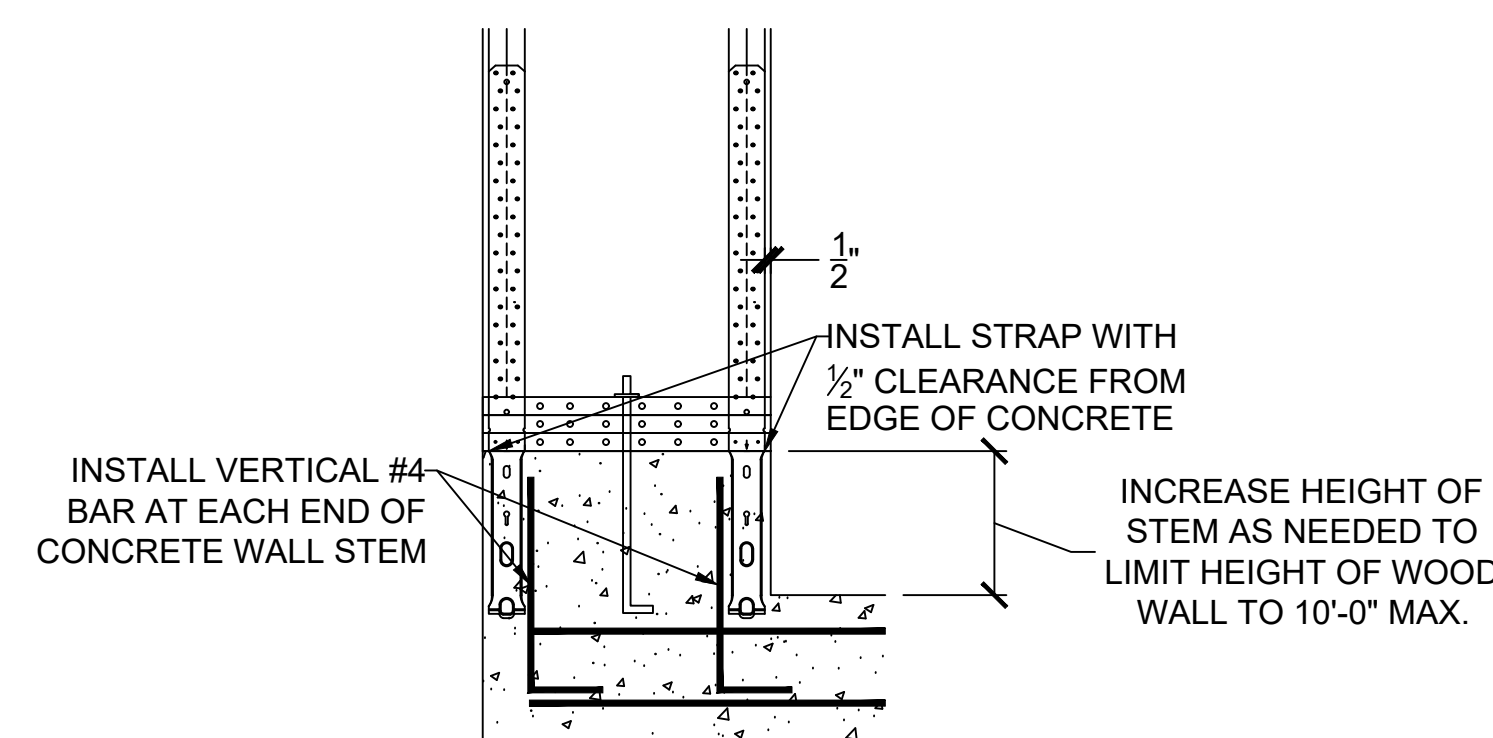
SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)



8 FASTENING INSTRUCTIONS FOR S3.0 SHIPLAP PANEL SHEATHING

SCALE: 4" = 1'-0" (18x24) OR 6" = 1'-0" (24x36)

*NOTE: NAILING INTO TOP AND BOTTOM LAP IS IN ADDITION TO NAILING REQUIRED INTO BOTTOM LAP. FOR EXAMPLE, IF PLAN CALLS FOR NAILS @ 6" O.C. AT EDGES, BOTTOM LAP SHALL BE FASTENED AT 6" O.C. AND, IN ADDITION, NAILING SHALL ALSO BE INSTALLED THROUGH TOP AND BOTTOM LAP @ 6" O.C. STAGGERED 3" FROM BOTTOM LAP NAILING



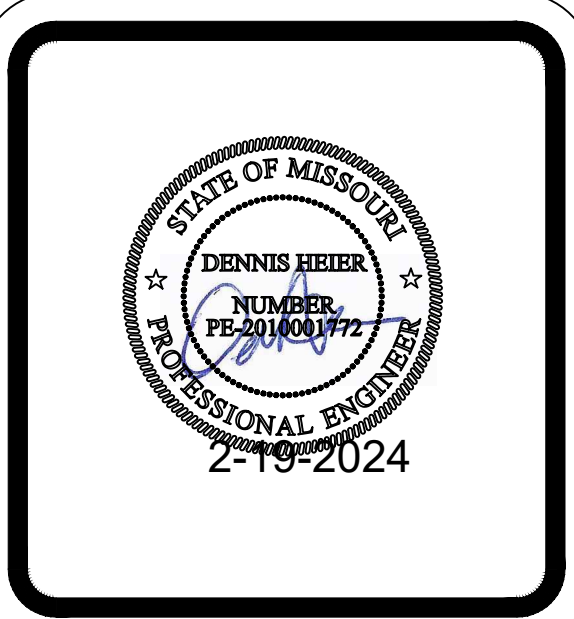
9 GARAGE HOLD-DOWN S3.0 STRAP INSTALLATION

SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



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CLIENT: FRANCISCO INZUNZA & NICOLE ROBINSON
JOB TITLE: RHF200 INZUNZA-ROBINSON LOT 200, RETREAT AT HOOK FARMS - PHASE 2
LOCATION: 2234 SW CROWN DR, LEE'S SUMMIT, MISSOURI

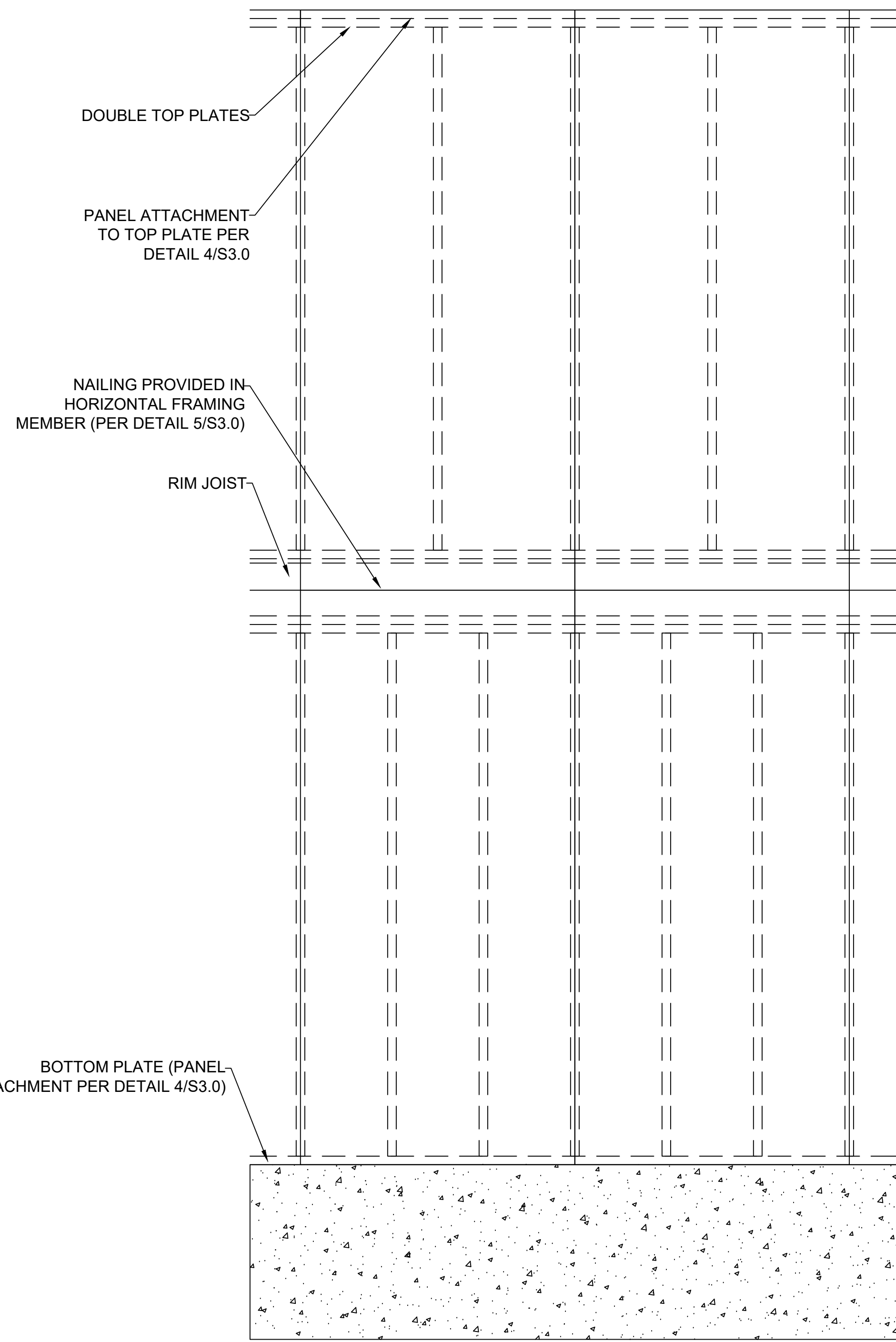


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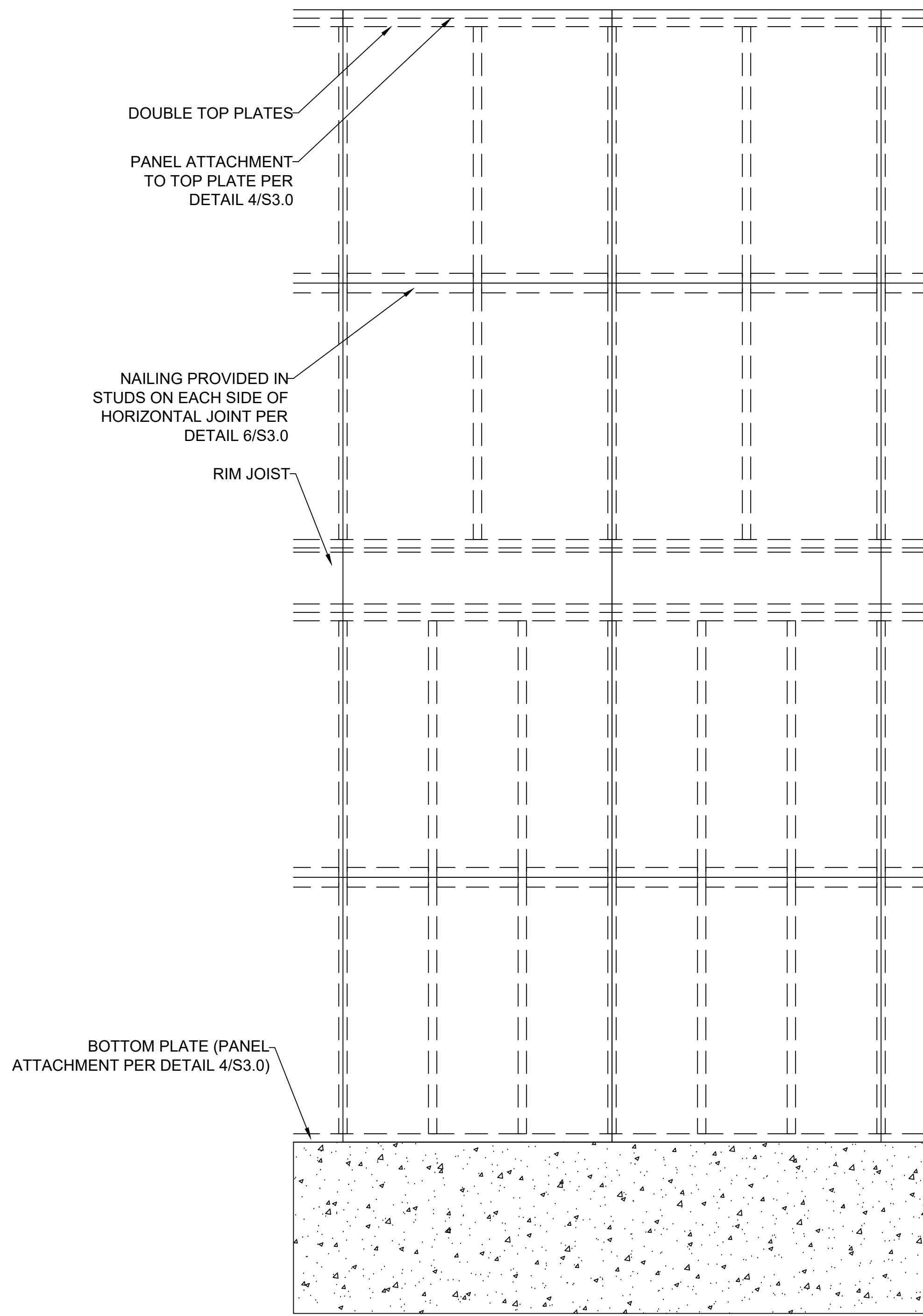
ENGINEER: DMH CHECKED BY: DMH
JOB NO. DRAWN BY: DMH
DATE: 02-19-24
SHEET NUMBER

S3.0



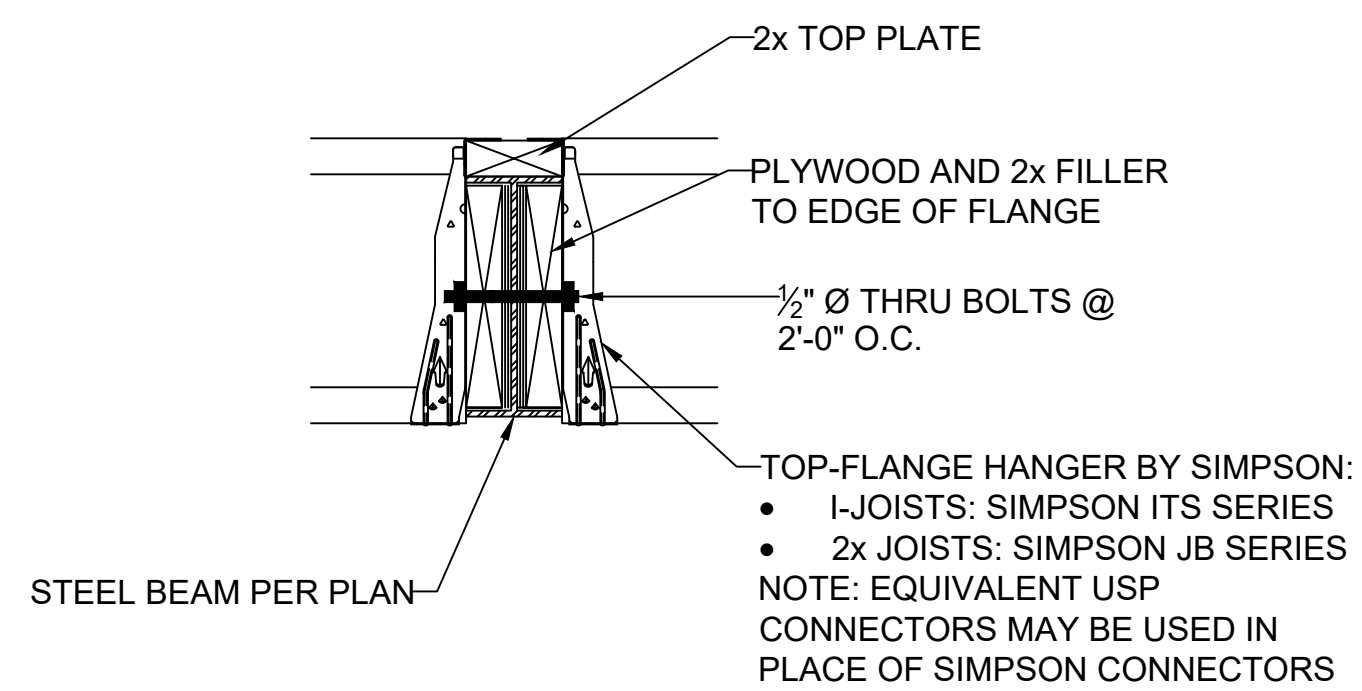
1 EXTERIOR WALL SHEATHING PANEL ATTACHMENT
S3.1 PANEL SPLICE OVER HORIZONTAL FRAMING MEMBER

SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

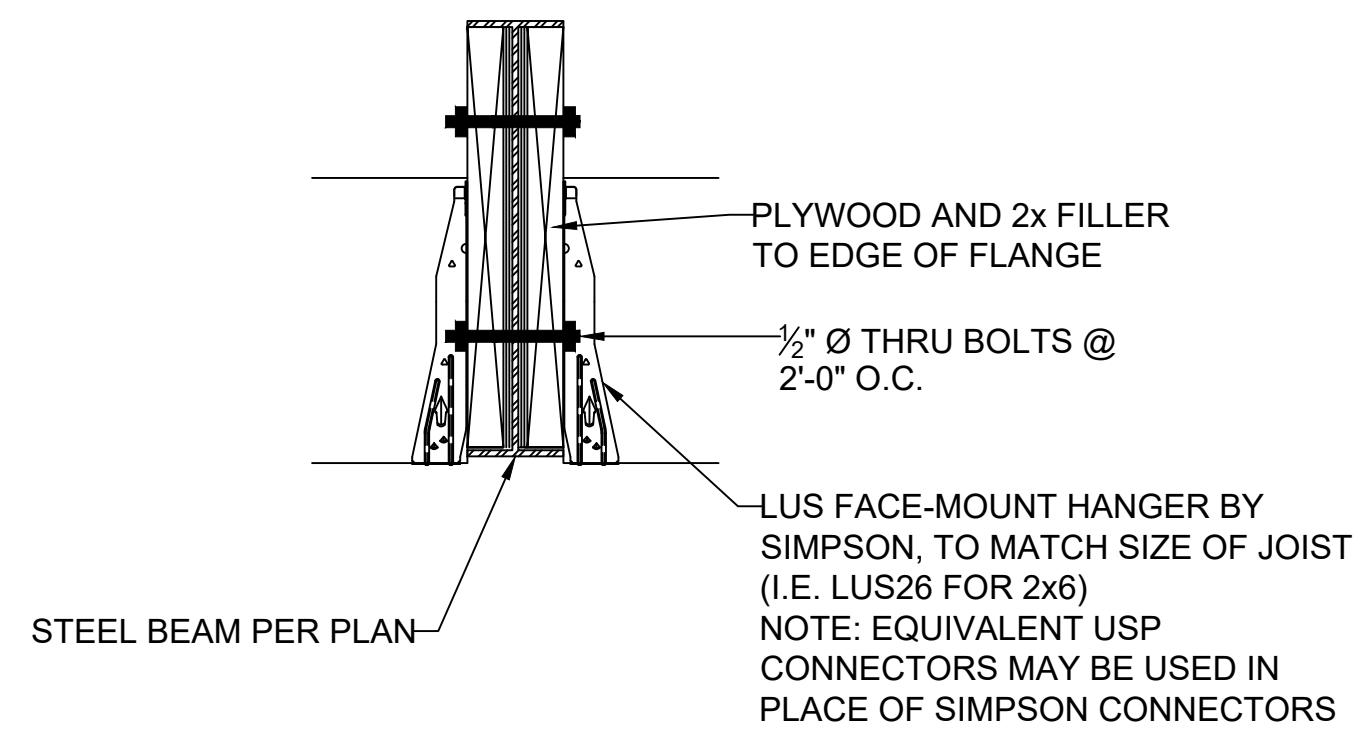


2 EXTERIOR WALL SHEATHING PANEL ATTACHMENT
S3.1 PANEL SPLICE OCCURRING ACROSS STUDS

SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

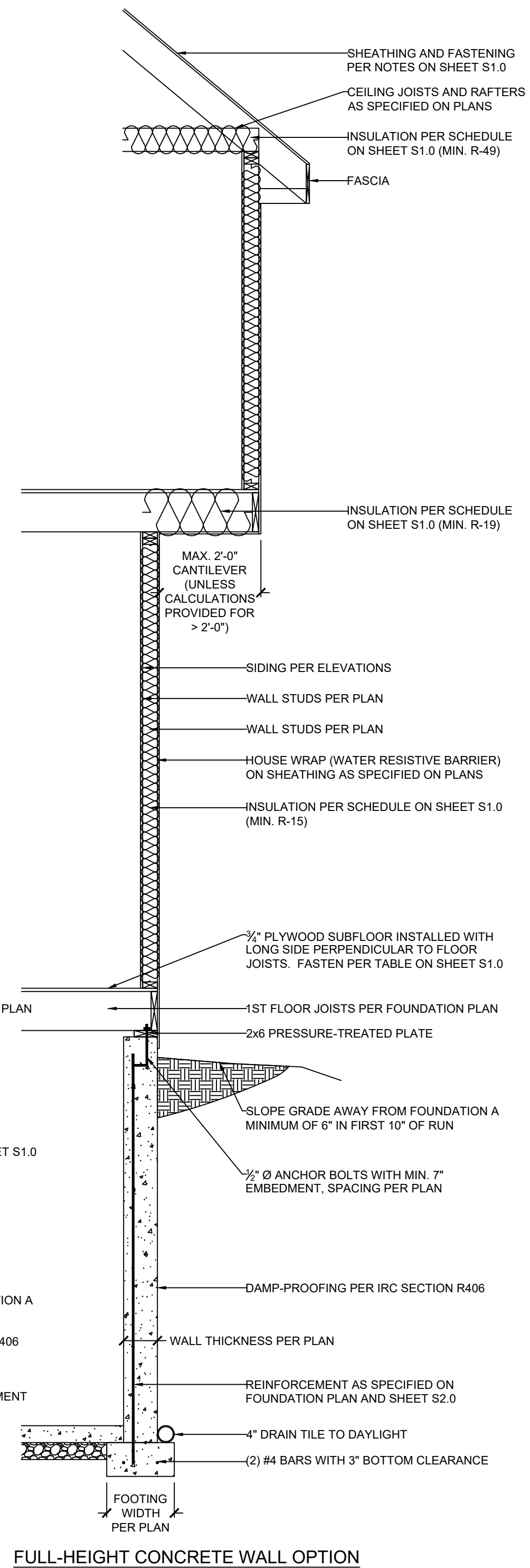
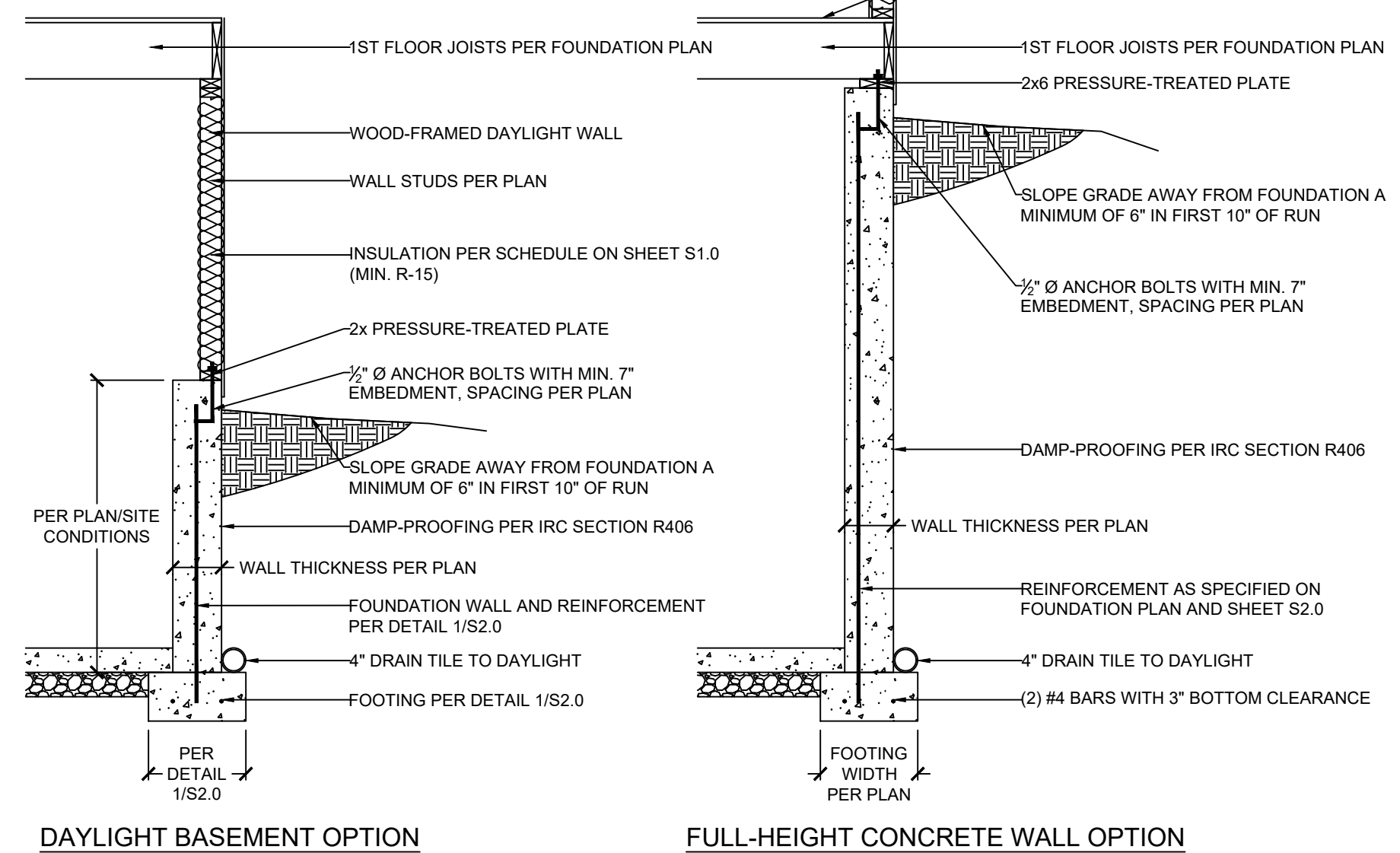


4 FLOOR JOIST TO FLUSH STEEL BEAM DETAIL
S3.1 SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)



5 CEILING JOIST TO FLUSH STEEL BEAM DETAIL
S3.1 SCALE: 1" = 1'-0" (18x24) OR 1 1/2" = 1'-0" (24x36)

3 EXTERIOR WALL SECTION
S3.1 SCALE: 1/2" = 1'-0"



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CLIENT: FRANCISCO INZUNZA & NICOLE ROBINSON
JOB TITLE: RHF200 INZUNZA-ROBINSON
LOT 200, RETREAT AT HOOK FARMS - PHASE 2
LOCATION: 2234 SW CROWN DR,
LEE'S SUMMIT, MISSOURI

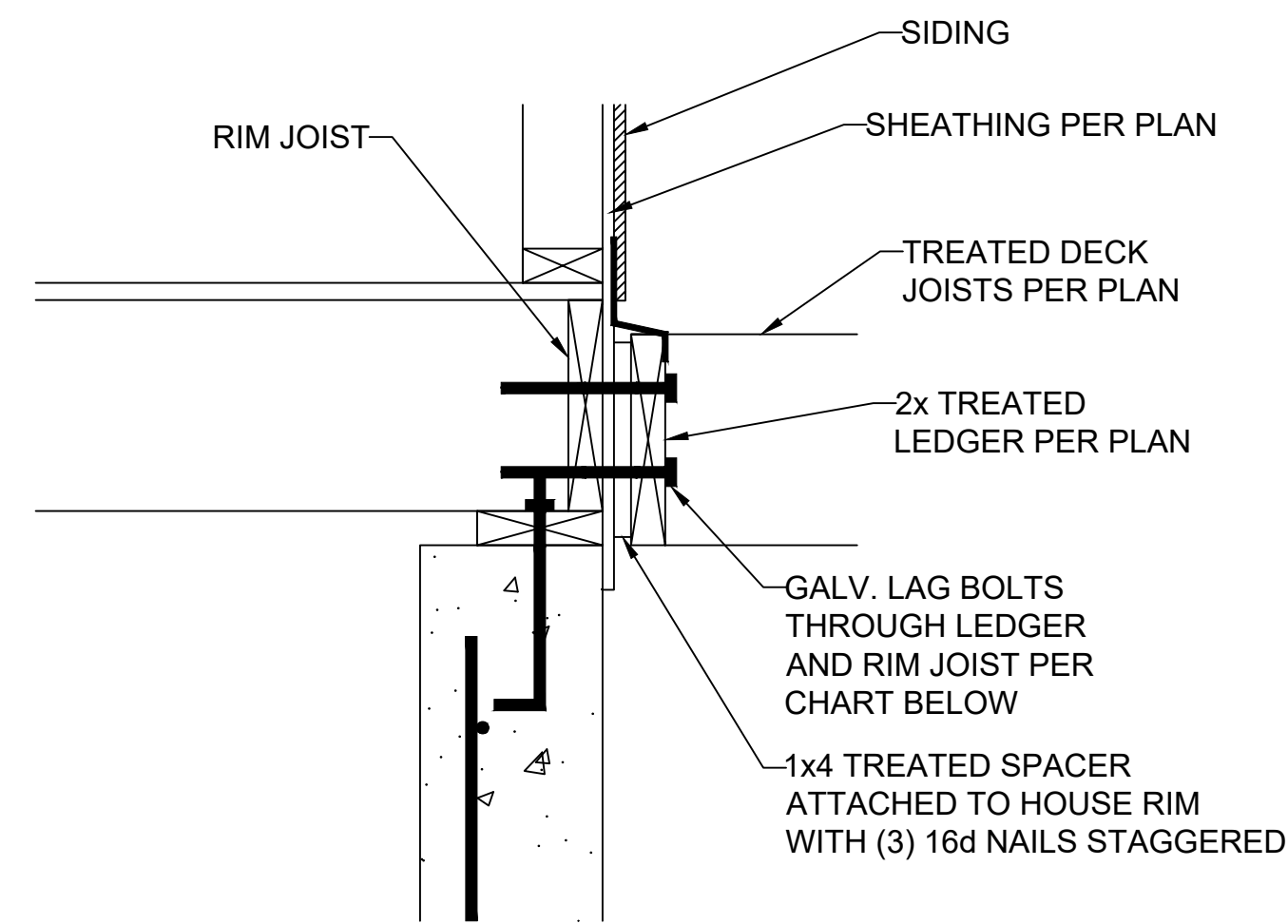
STATE OF MISSOURI
DENNIS HEIER
NUMBER: PE-201901772
PROFESSIONAL ENGINEER
2-19-2024

NO.	DATE	REVISION	BY

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DATE: 02-19-24
SHEET NUMBER
S3.1

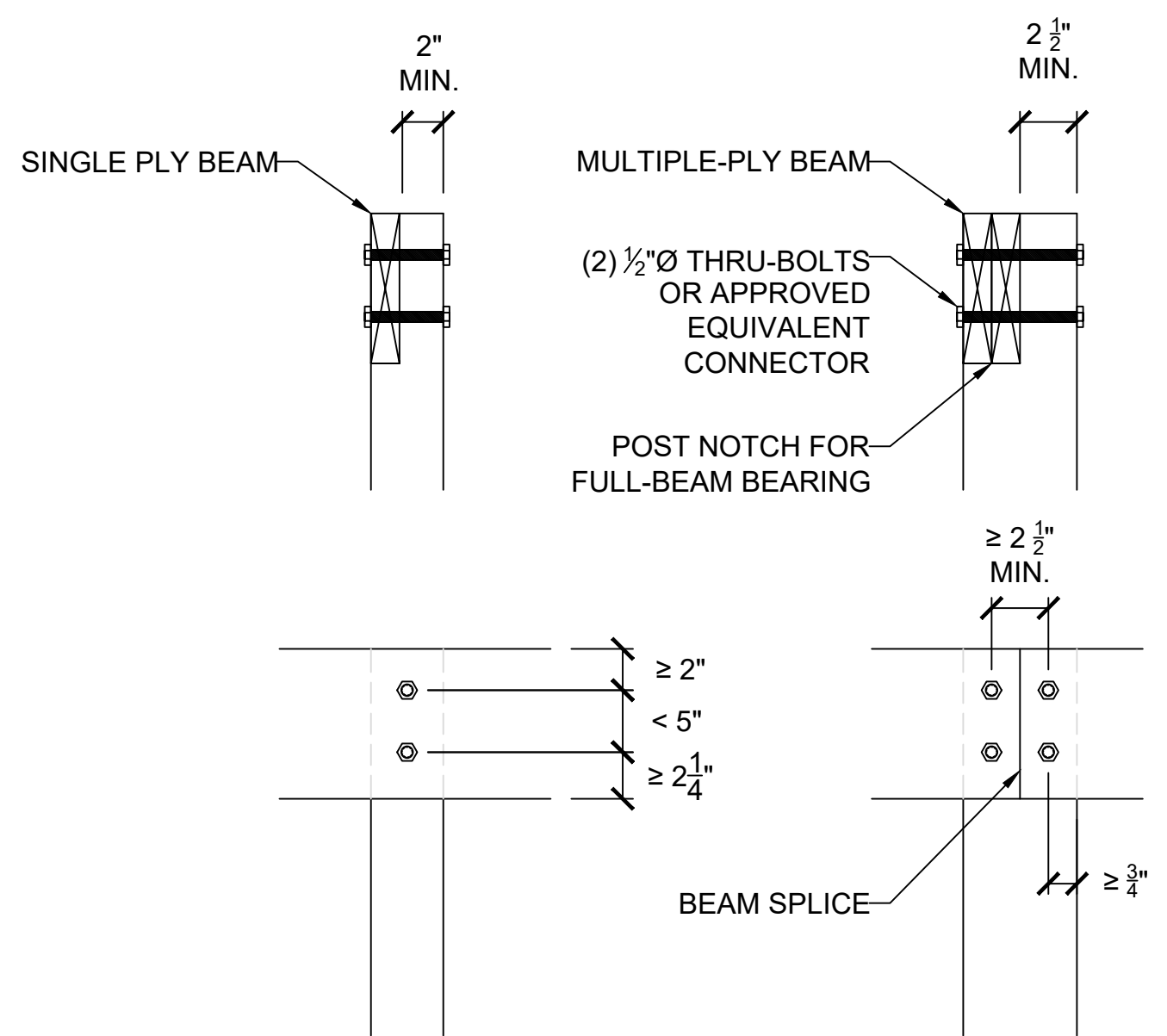
RELEASE FOR CONSTRUCTION
AS NOTED ONLY. ANY REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
03/04/2024 12:43:07



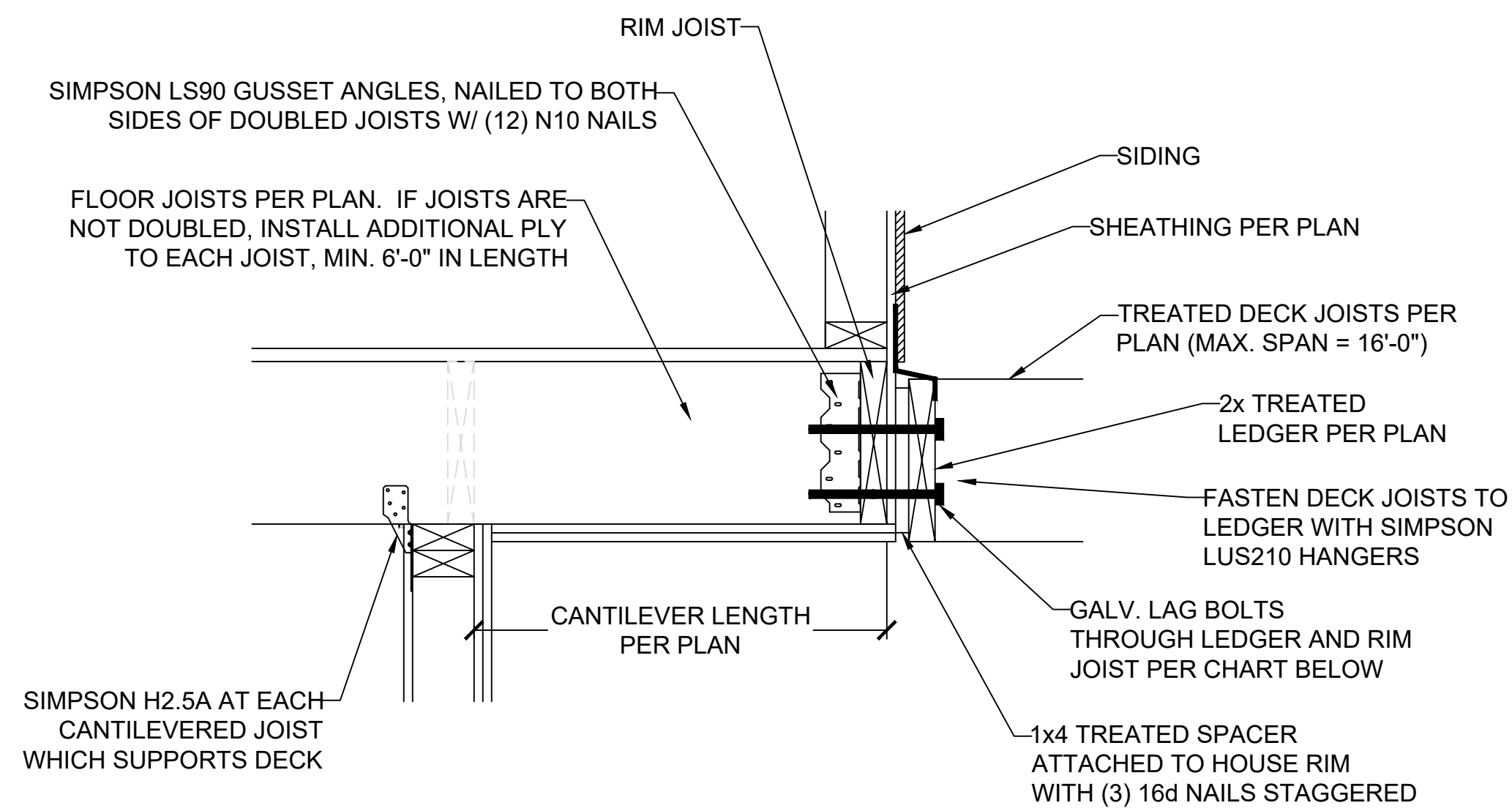
DECK LEDGER ATTACHMENT GUIDE

DECK JOIST SPAN	1/2" Ø GALV. LAG OR 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

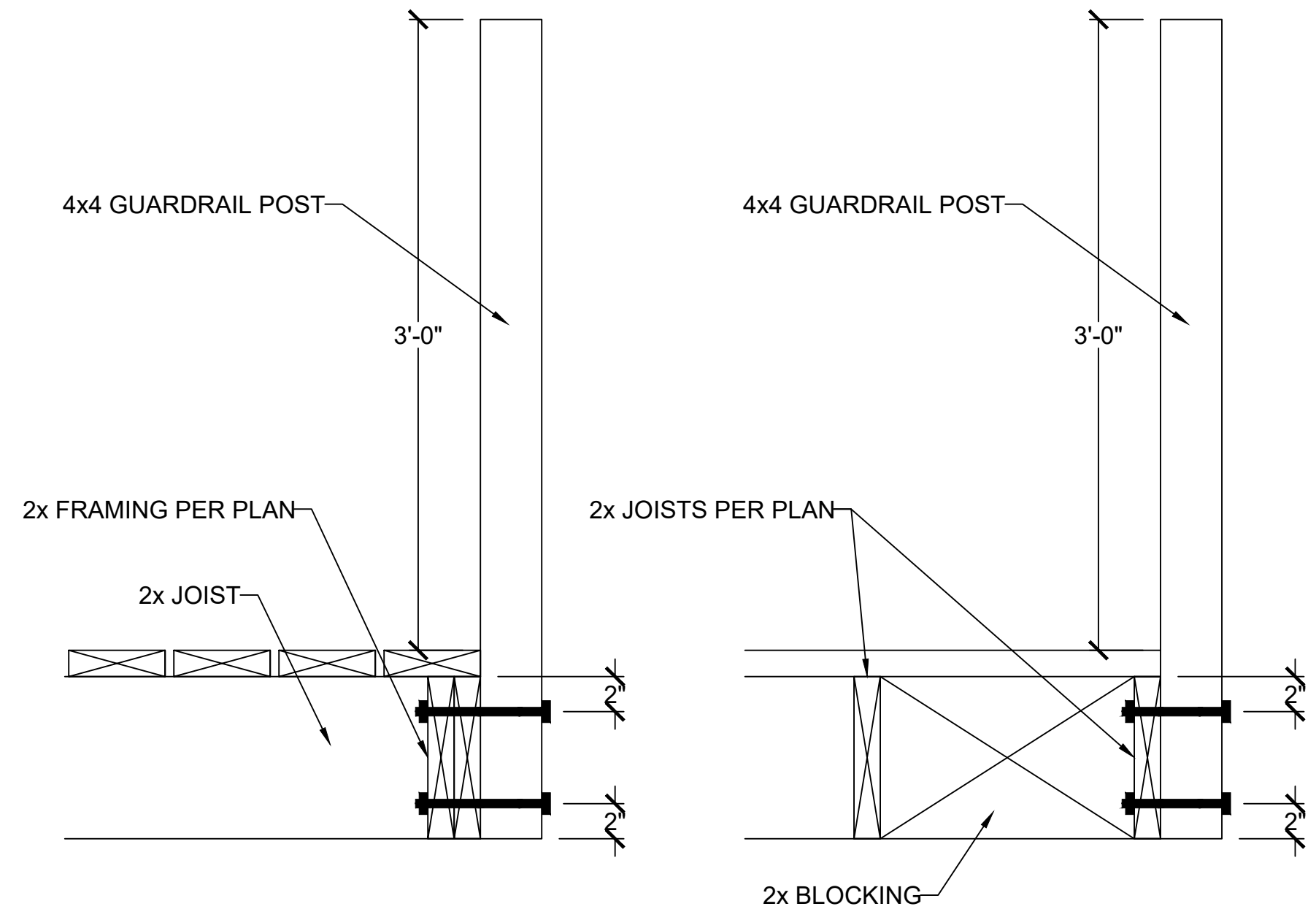
1 LEDGER ATTACHMENT
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



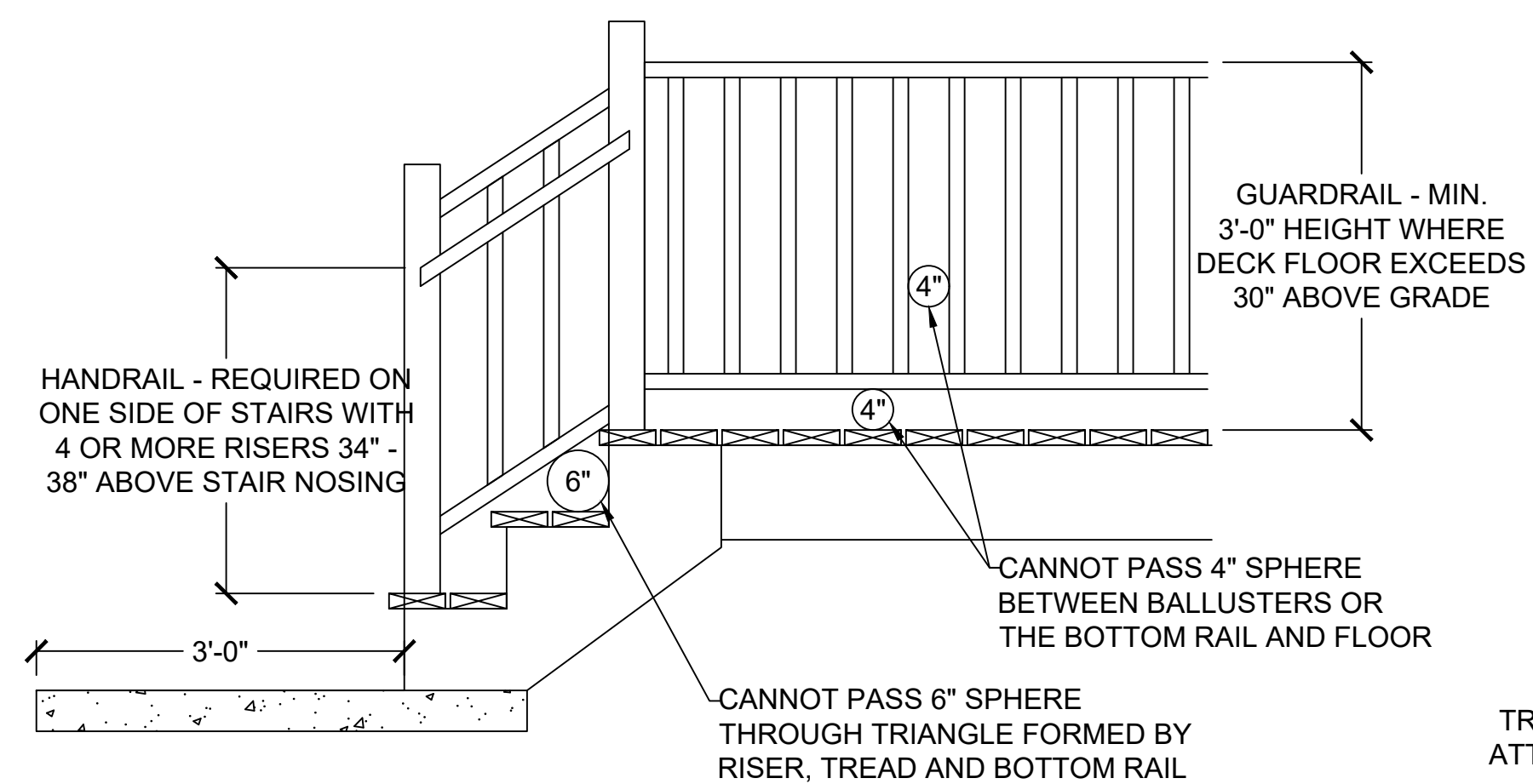
5 LET-IN (COVERED) DECK BEAM CONNECTION
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



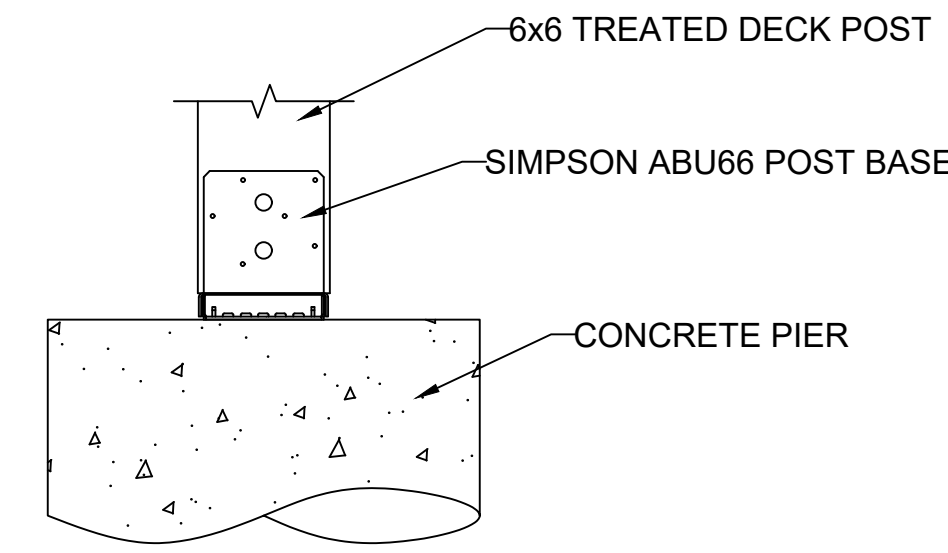
2 CANTILEVER WITH DECK ATTACHMENT
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



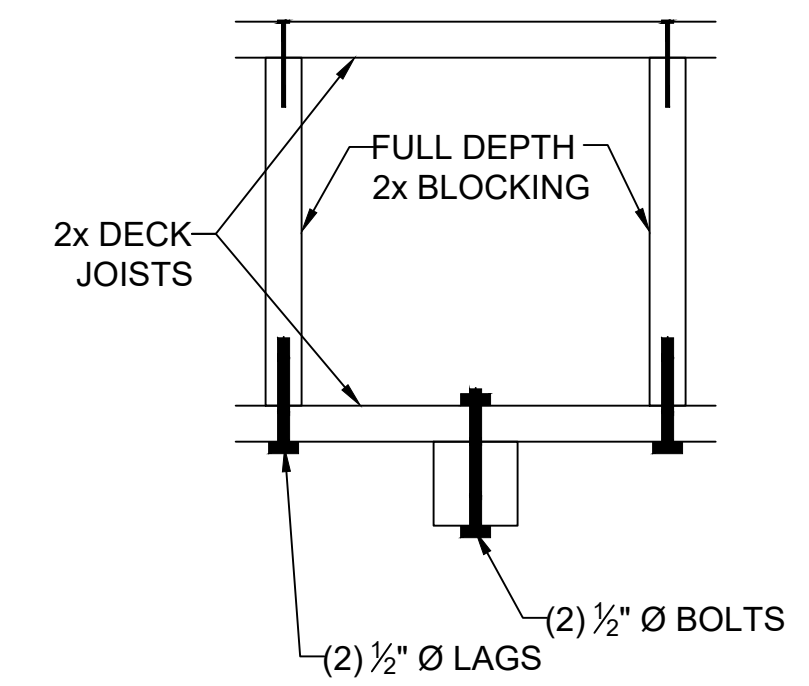
6 GUARDRAIL CONNECTION
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



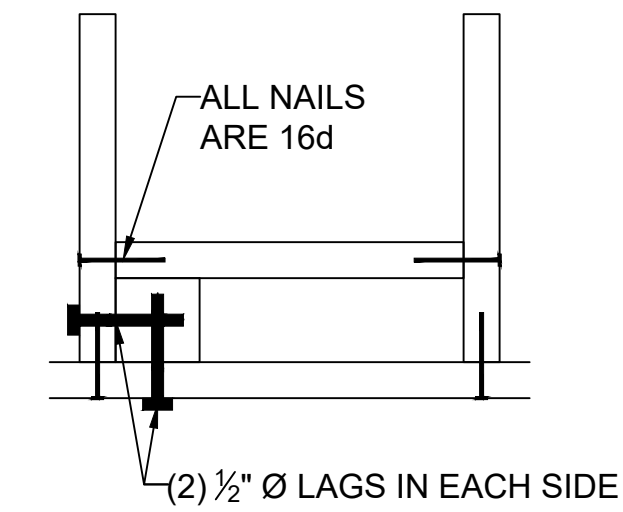
8 GUARDRAIL DETAIL
S3.3 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)



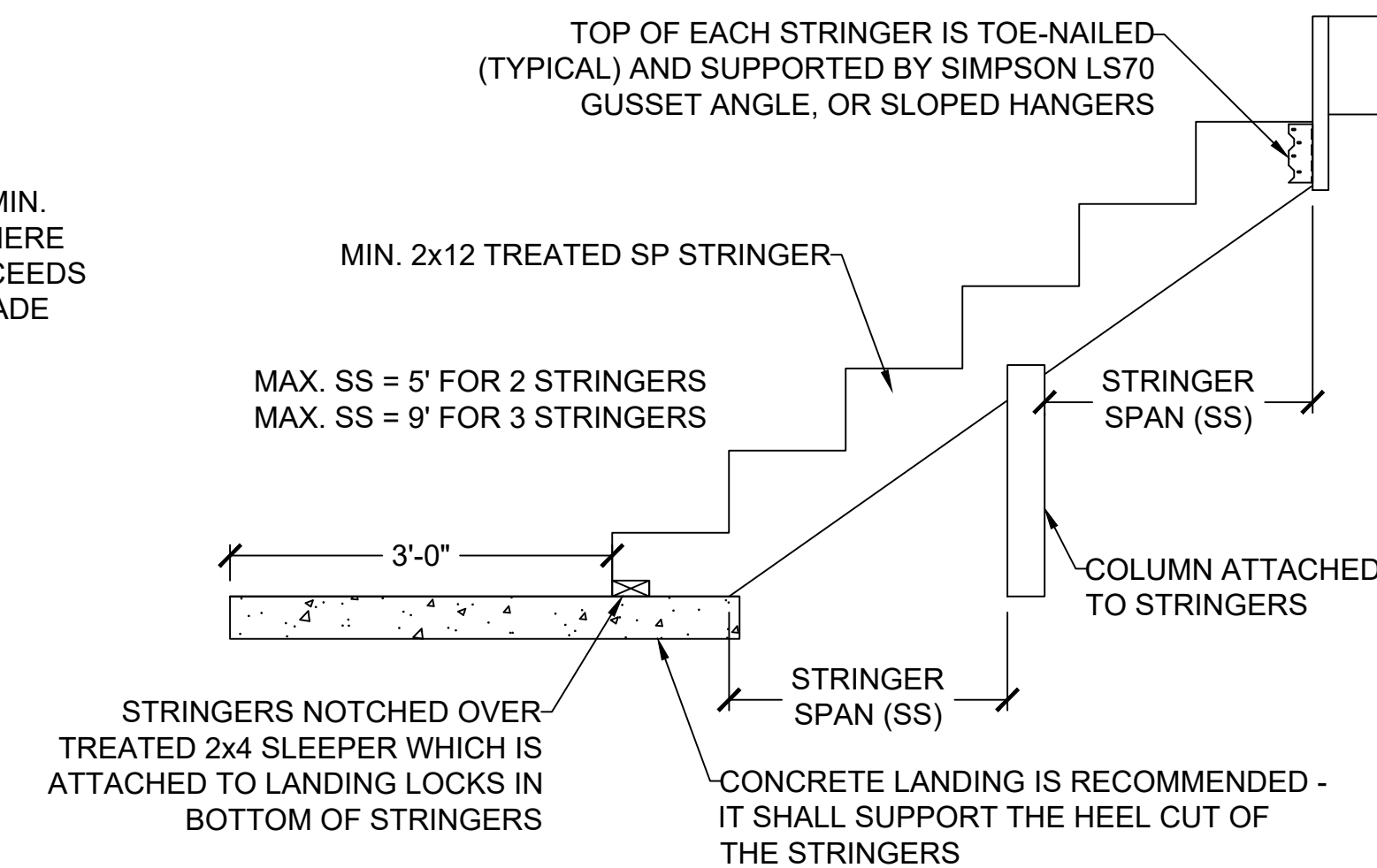
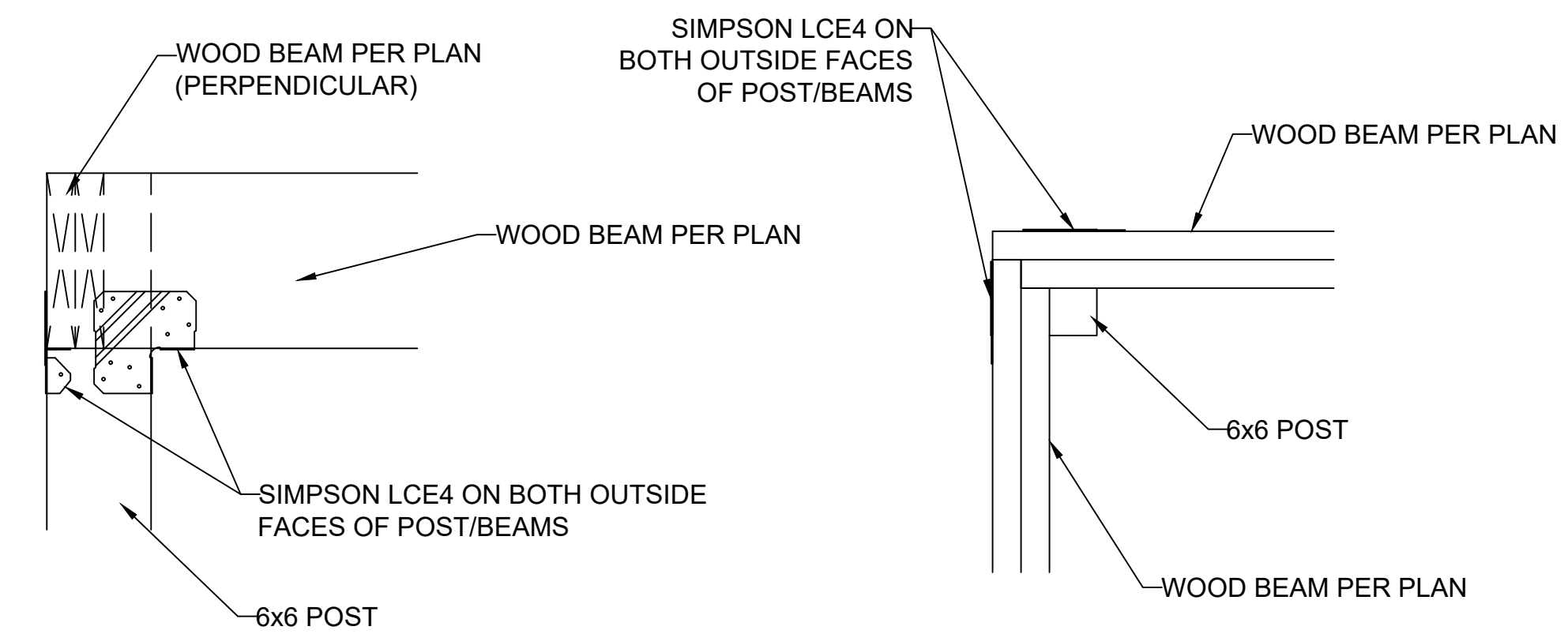
3 DECK POST BASE
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



4 REINF. POST CONNECTIONS
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



7 ALTERNATE COVERED DECK/PORCH INTERSECTION CORNER BEAM CONNECTION
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



9 STAIR STRINGER DETAIL (MAX. 5' STAIR WIDTH)
S3.3 SCALE: 1/2" = 1'-0" (18x24) OR 3/4" = 1'-0" (24x36)

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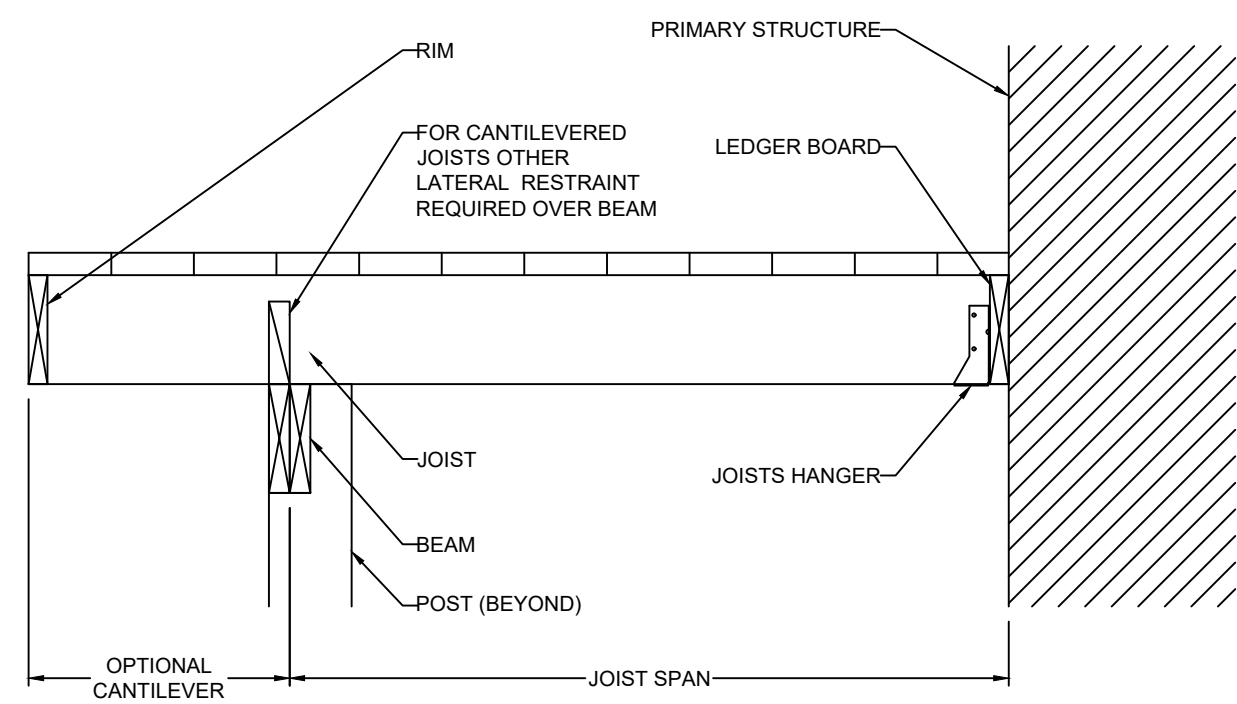
STATE OF MISSOURI
DENNIS HEIER
NUMBER: PE-201901772
PROFESSIONAL ENGINEER
2-19-2024

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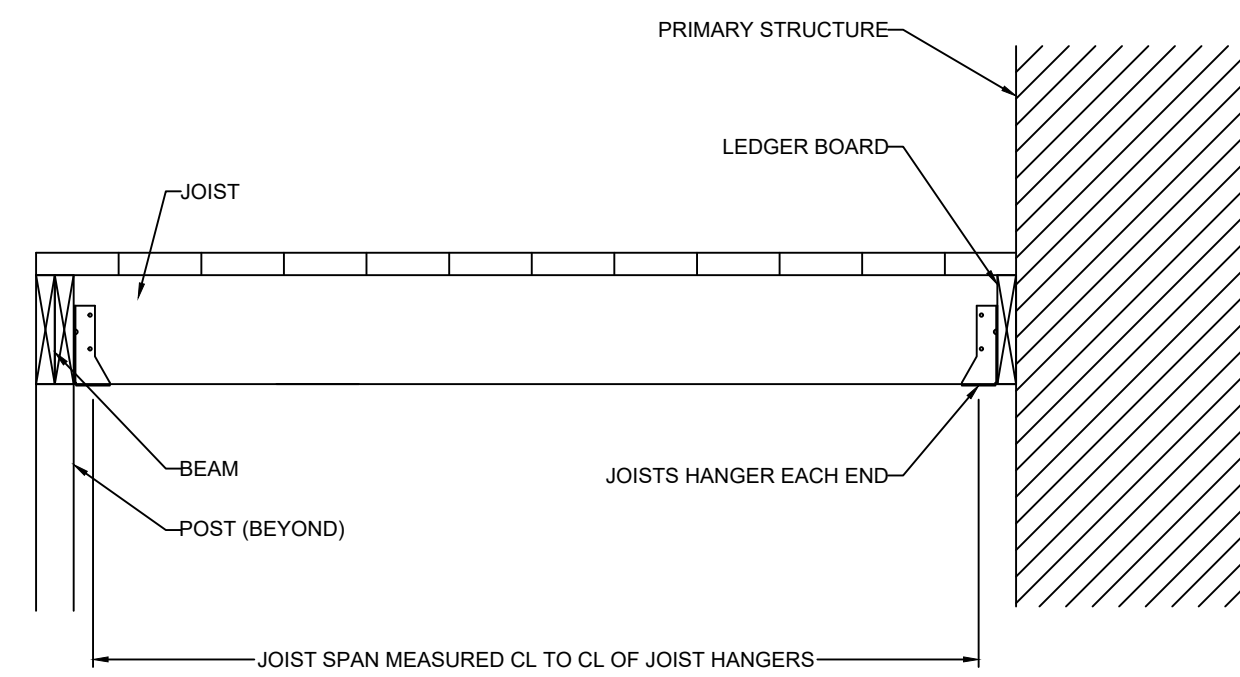
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ENGINEER: DMH CHECKED BY: DMH
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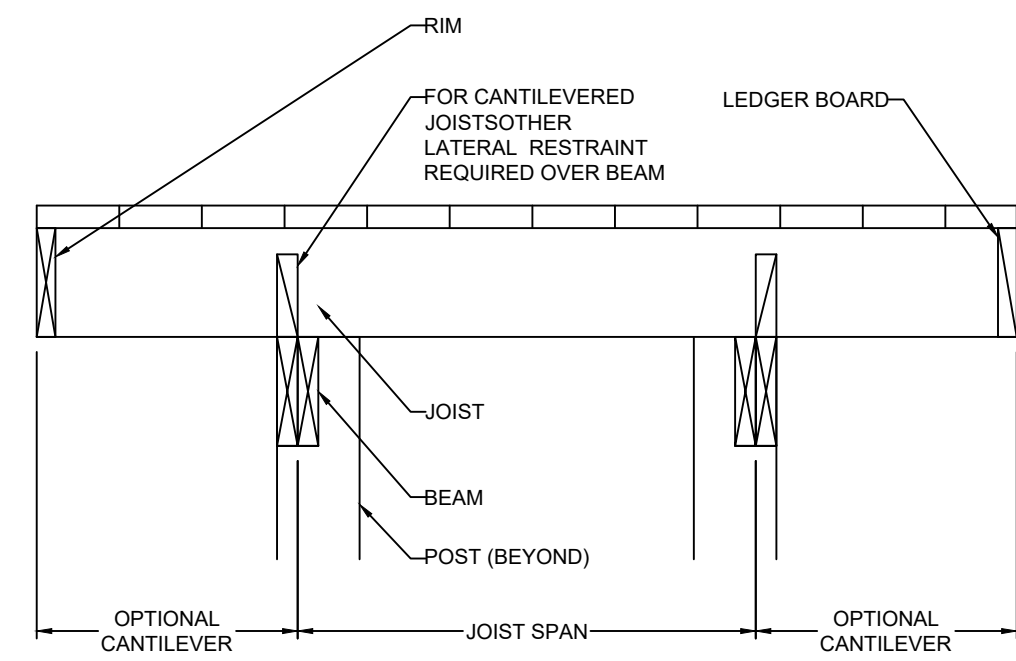
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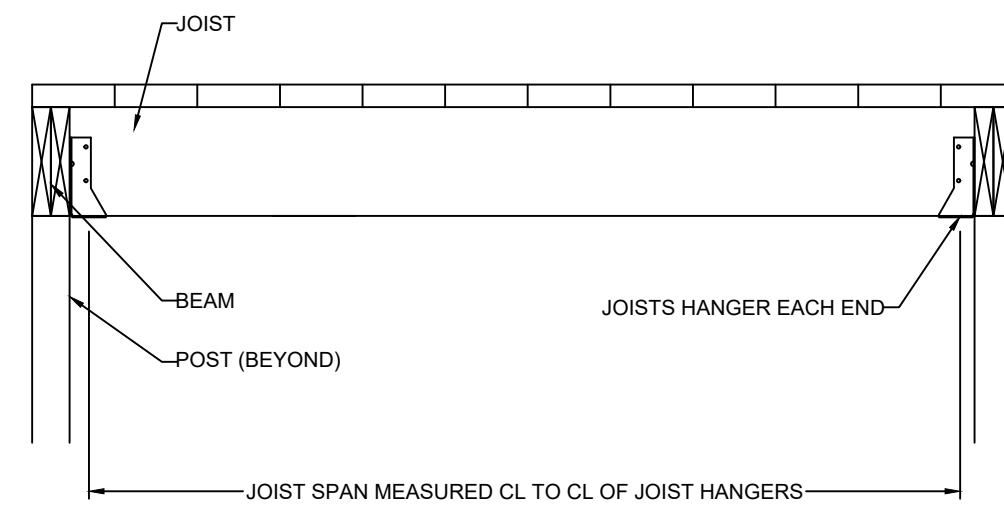
CANTILEVERED JOISTS WITH DROPPED BEAM



JOISTS WITH FLUSH BEAM

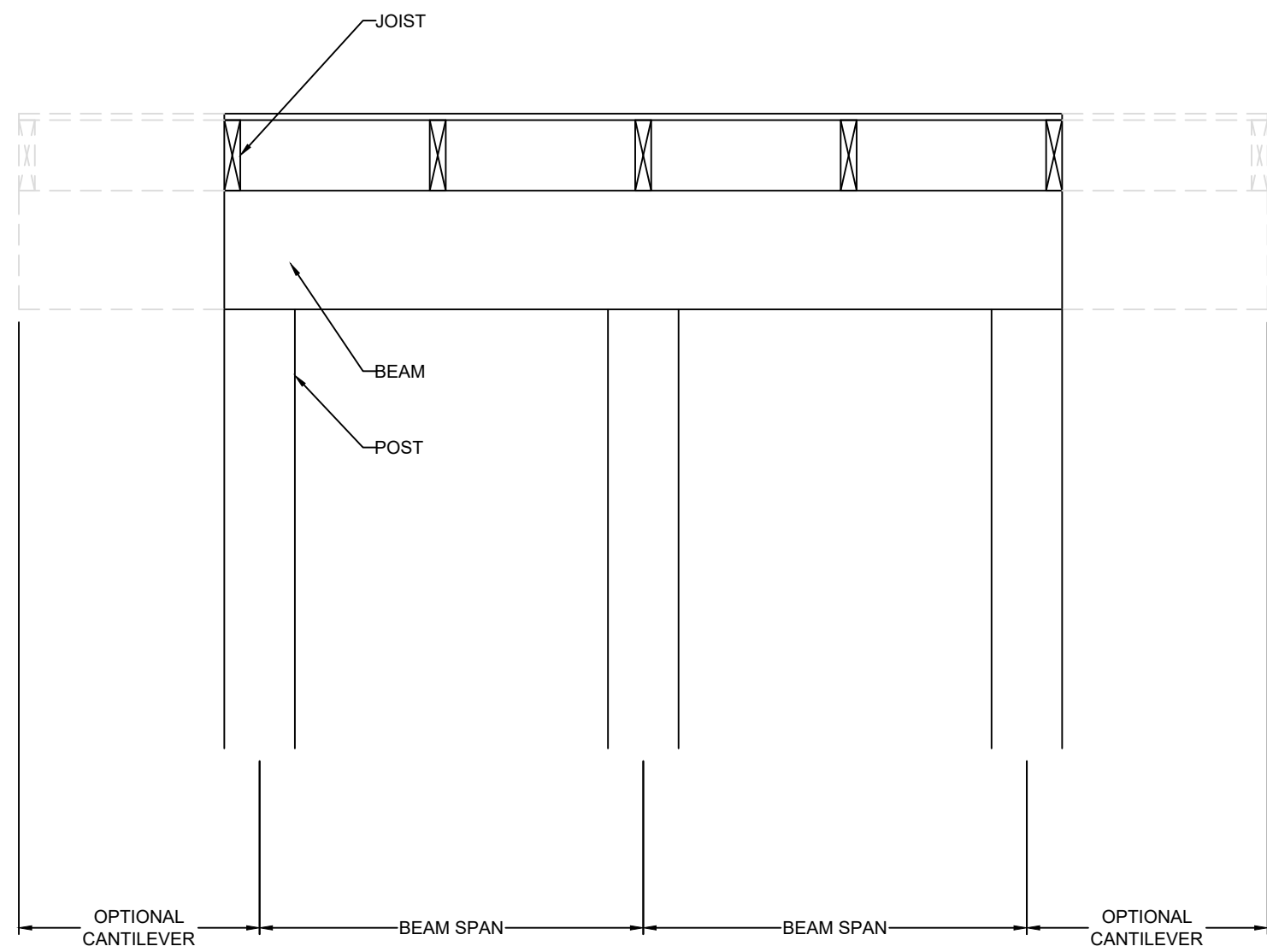


JOISTS ON FREE-STANDING DECK WITH DROPPED BEAM

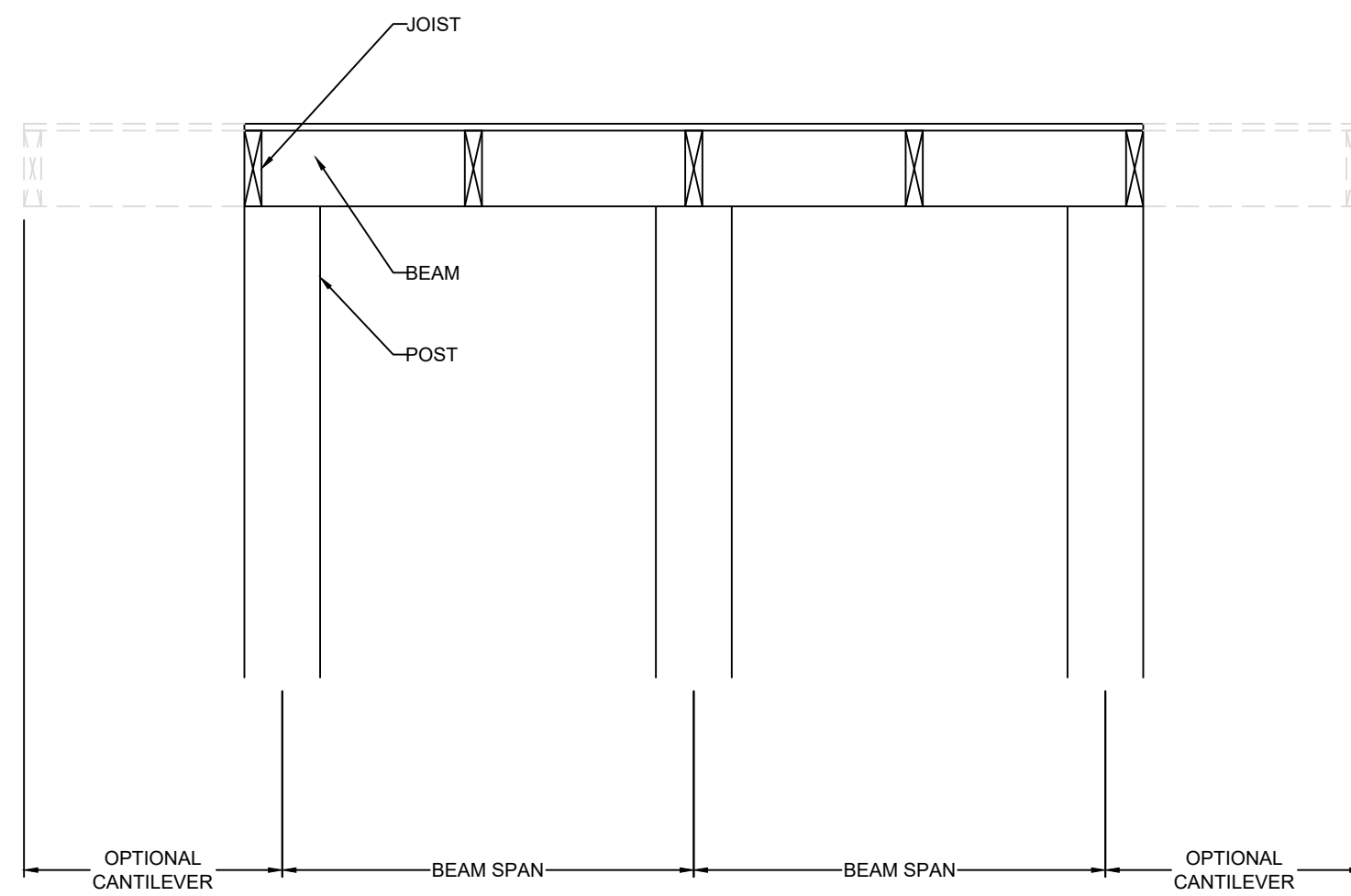


JOISTS WITH FLUSH BEAM

10 TYP. DECK JOIST SPANS
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)



DROPPED BEAM



FLUSH BEAM

11 TYP. DECK JOIST SPANS
S3.3 SCALE: 1" = 1'-0" (18x24) OR 1/2" = 1'-0" (24x36)

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S3.3b