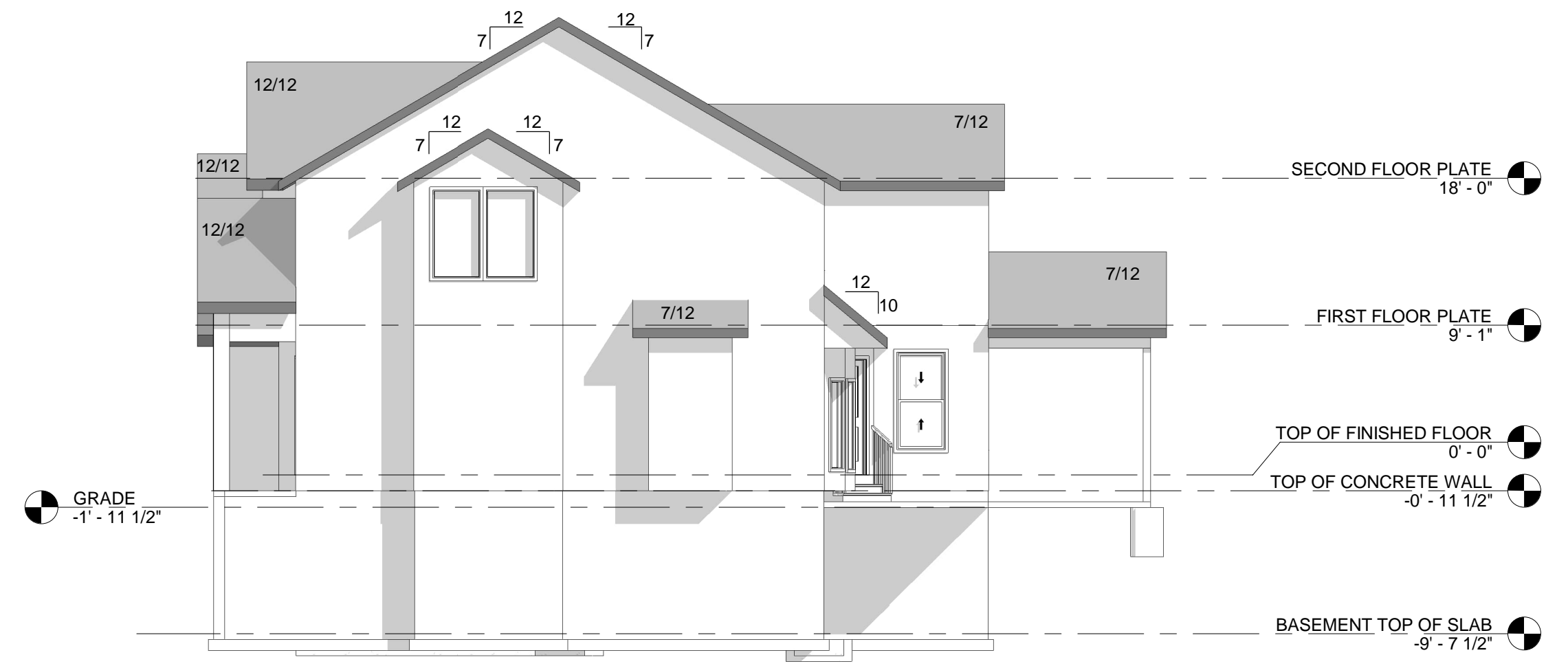
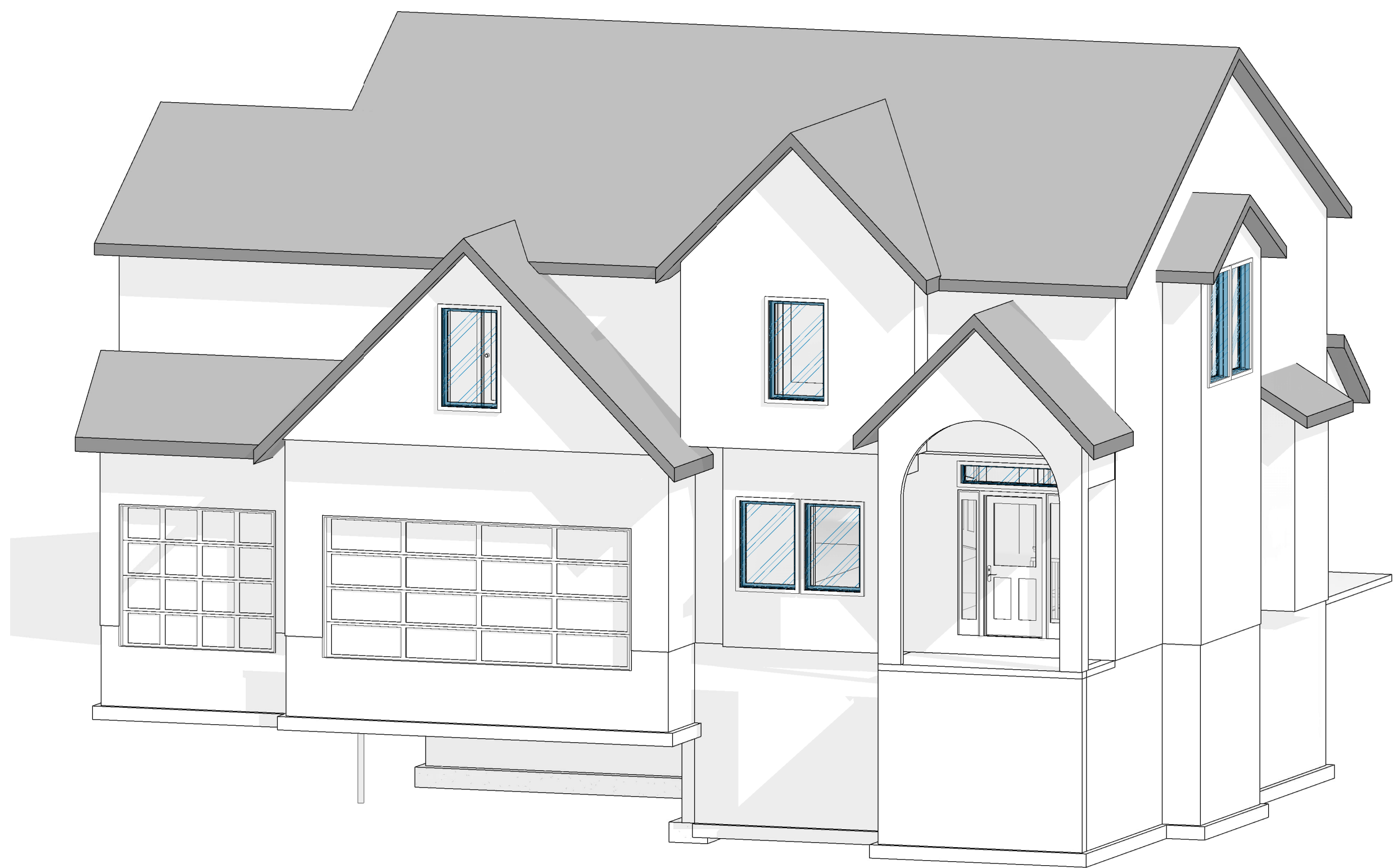


**4 LEFT SIDE ELEVATION**  
 SCALE: 1/8" = 1'-0"



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



RELEASE FOR CONSTRUCTION  
 AS NOTED FOR PLAN REVIEW  
 DEVELOPMENT SERVICES  
 LEE'S SUMMIT, MISSOURI  
**04/07/2025**

SHEET INDEX	
Sheet	Sheet Name
A100	COVER SHEET
S100	FOUNDATION PLAN
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S102	SECOND FLOOR FRAMING PLAN
S103	ROOF FRAMING PLAN
S500	GENERAL NOTES
S501	DETAILS
S502	DETAILS
S503	DETAILS
S504	DETAILS
S505	DETAILS

SQUARE FOOTAGES	
Name	Area
FIRST FLOOR	1217 SF
SECOND FLOOR	1634 SF
GARAGE	643 SF
UNFINISHED BASEMENT	1083 SF
<b>TOTAL</b>	<b>4577 SF</b>

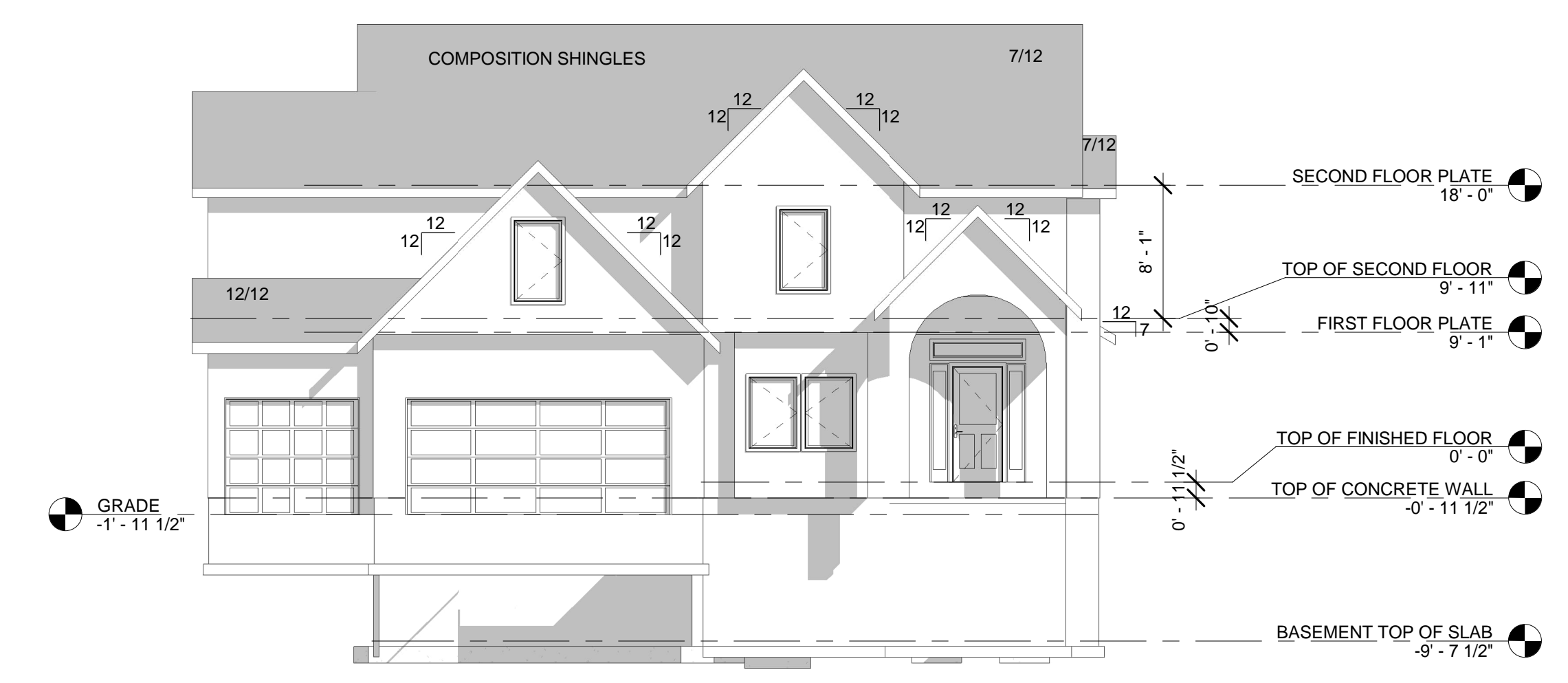
PROJECT INFORMATION  
 THE LEXINGTON II  
 2611 SW TRACKER LANE  
 LEE'S SUMMIT, MISSOURI 64082

# THE LEXINGTON II

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



**1 FRONT ELEVATION**  
 SCALE: 1/8" = 1'-0"

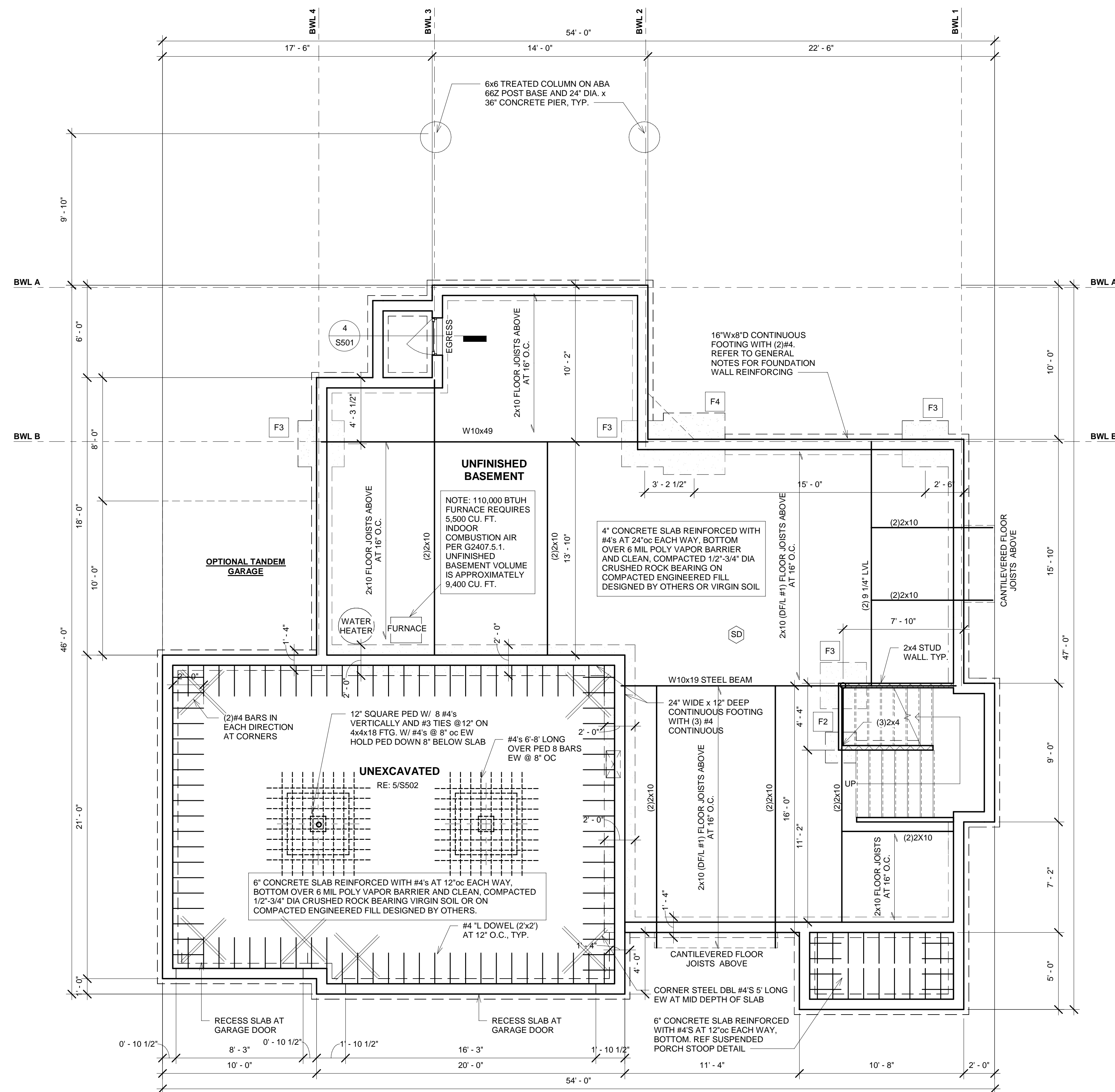


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#	DATE	DESCRIPTION
	3/21/2025	City Comment

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**SHEET TITLE**  
 COVER SHEET

**SHEET NUMBER**  
 A100



**CONCRETE & REINFORCING NOTES:**

- CONCRETE STRENGTH SHALL MEET THE FOLLOWING MINIMUM 28 DAY STRENGTH REQUIREMENTS (IRC R402.2):
  - 2,500 PSI FOR BASEMENT FLOOR SLABS ON UNDISTURBED GRADE.
  - 3,000 PSI FOR FOOTINGS, FOUNDATION WALLS, AND OTHER VERTICAL CONCRETE.
  - 3,500 PSI FOR CARPORT AND GARAGE FLOOR SLABS ON UNDISTURBED GRADE.
  - 3,500 PSI FOR STRUCTURAL FLOOR SLABS.
- CONCRETE SHALL BE 6% AIR ENTRAINMENT FOR GARAGE SLABS AND FOR ALL LOCATIONS (FOOTINGS, WALLS, FLATWORK, ETC.) EXPOSED TO WEATHER.
- CONCRETE SHALL HAVE A SLUMP OF 4" ± 1". THE SLUMP CAN BE INCREASED THROUGH THE USE OF APPROVED ADDITIVES (NOT PERMITTED).
- THE REINFORCING STEEL SHALL BE ASTM A615, GRADE 40 MINIMUM UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BARS SHALL BE LAPPED A MINIMUM OF 48 BAR DIAMETERS AND/OR CORNER BARS SHALL BE PROVIDED AT ALL FOOTING AND WALL CORNERS, AND FOOTING STEPS.
- MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS (ACI 318):
  - EARTH FORMED - 3"
  - EXPOSED TO WEATHER - 1 1/2" FOR #5 BARS & SMALLER
  - NOT EXPOSED TO WEATHER - 3/4" FOR SLABS.
- NO WATER SHALL BE ADDED TO THE CONCRETE MIX AT THE SITE.
- ADDITION OF CALCIUM CHLORIDE TO CONCRETE IS NOT PERMITTED.
- NO ALUMINUM SHALL BE EMBEDDED/PLACED IN CONCRETE.
- CONCRETE PLACED IN COLD WEATHER SHALL COMPLY WITH ACI 306. CONCRETE PLACED IN HOT WEATHER SHALL COMPLY WITH ACI 305.

**FOUNDATION NOTES:**

- ALL FOUNDATIONS SHALL BEAR ON NATIVE, UNDISTURBED SOIL CAPABLE OF SUPPORTING 1,500 PSF UNLESS NOTED OTHERWISE, WITHOUT UNDE SETTLEMENT OR HEAVING. THE CONTRACTOR SHALL RETAIN A QUALIFIED TESTING LAB (APPROVED BY THE OWNER) TO FIELD VERIFY THE ACTUAL SOIL BEARING CAPACITY.
- ALL EXTERIOR FOOTINGS SHALL BEAR A MIN. OF 36" BELOW FINISHED GRADE.
- IF THE EXISTING SITE TOPOGRAPHY OR SOIL CONDITIONS VARY FROM THE CONDITIONS SHOWN ON THE DRAWINGS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT/ENGINEER SO THAT A DESIGN THAT IS APPROPRIATE FOR THE SITE CAN BE GENERATED.
- FOOTINGS SHALL BE POURED CONTINUOUS AT FOOTING STEPS (SOLID JUMPS).
- ANY FILL THAT IS INSTALLED UNDER THE BASEMENT OR GARAGE FLOOR SLABS SHALL BE PROPERLY COMPACTED TO PREVENT SETTLEMENT OF THE FILL MATERIAL. PROPER COMPACTING WHERE THE SOIL IS PLACED IN 6" LIFTS AND EACH LIFT IS COMPACTED PRIOR TO INSTALLING MORE SOIL. THIS COMPACTED FILL SHALL THEN BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER. AT THE CONTRACTOR'S OPTION, A PROPERLY DESIGNED STRUCTURAL SLAB MAY BE INSTALLED OVER ANY FILL THAT HAS NOT BEEN PROPERLY COMPACTED. ALL EXTERIOR SLABS INSTALLED ADJACENT TO THE FOUNDATION SHALL BE DOWELED INTO THE FOUNDATION WITH #4 BARS AT 12" ON CENTER (GRADE 60 STEEL) DRILLED IN 6" MINIMUM AND EPOXIED.
- CONTROL JOINTS IN THE FLOOR SLABS SHALL BE INSTALLED AS TO MINIMIZE THE AMOUNT OF RANDOM CRACKING (12" INTERVALS MAXIMUM). THESE JOINTS SHALL BE SAWCUT 1-1/4" DEEP WITHIN 8 HOURS OF POURING THE SLAB OR MAY BE TOOLED INTO THE SLAB WHEN POURED. SAWCUTS SHALL BE IN APPROXIMATE SQUARE PATTERN WITH MAXIMUM ASPECT RATIO OF 1-1/2 TO 1.
- THE BUILDER SHALL BE RESPONSIBLE FOR TAKING THE APPROPRIATE STEPS TO MINIMIZE THE EFFECTS OF EXPANSIVE SOIL ON THE FOUNDATION, SLABS, AND WOOD FRAMED PORTIONS OF THE HOUSE. THIS INCLUDES ISOLATING THE FLOOR SLAB AT ALL COLUMNS, INTERIOR BEARING WALLS, AND AT THE FOUNDATION WALLS WITH TWO LAYERS OF 15# FELT PARTITION WALLS IN THE BASEMENT SHALL NOT BE CONSTRUCTED TIGHT AGAINST THE FRAMING ABOVE.
- INSTALL CONTINUOUS DRAIN TILE (4" DIAMETER MINIMUM) AROUND THE PERIMETER OF THE ENTIRE LOWER LEVEL AND COVER THE TILE WITH FILTER FABRIC AND COURSE, CLEAN ROCK. INSTALL VERTICAL DRAINS TO PERIMETER DRAIN TILE AT ALL WINDOW WELLS. THE DRAIN TILE SHALL BE CONNECTED TO A 40 GALLON (MINIMUM) SUMP PIT WITH SUFFICIENT DEPTH FOR PROPER OPERATION, OR SHALL BE DRAINED BY GRAVITY TO DAYLIGHT AT LEAST 10' FROM THE FOUNDATION. FOUNDATION DRAINAGE SHALL ALSO BE IN ACCORDANCE WITH 2018 IRC SECTION R-406.1.
- CONCRETE BASEMENT SLABS SHALL BE A MIN. OF 4" THICK OVER A MIN. OF 4" OF 1/2" TO 3/4" CLEAN GRADED ROCK, L.I.C.O. OR IF SITE CONDITIONS REQUIRE OTHERWISE. MIN REINFORCING SHALL BE #4'S AT 24" OC OR EQUIVALENT.
- PROVIDE A MIN. 6-MIL POLYETHYLENE MOISTURE BARRIER OVER GRAVEL BASE UNDER BASEMENT FLOOR SLABS (NOT REQUIRED FOR GARAGE SLABS) PER SECTION R405.2.2. LAP JOINTS A MIN. OF 6'.
- ALL FOOTING AND SLAB REINFORCEMENT SHALL BE BLOCKED OFF SUBGRADE WITH CHAIRS OR CONCRETE BRICKS.

**RESIDENTIAL BASEMENT WALL NOTES:**

- HORIZONTAL REINFORCING FOR CONC FOUND WALLS SHALL BE #4'S AT 24" OC.
- VERTICAL REBAR SPACING FOR CONCRETE FOUNDATION WALLS SHALL BE PER THE TABLE BELOW:

WALL THICK	60 KSI REINFORCING		40KSI REINFORCING	
	8"	10"	8"	10"
6' OR LESS	#4 @ 36"oc	#4 @ 36"oc	#4 @ 36"oc	#4 @ 36"oc
7'	#4 @ 32"oc	#4 @ 36"oc	#4 @ 21"oc	#4 @ 36"oc
8'	#4 @ 24"oc	#4 @ 36"oc	#4 @ 16"oc	#4 @ 36"oc
9'	#4 @ 16"oc	#4 @ 20"oc	#4 @ 12"oc	#4 @ 16"oc
10'	#4 @ 12"oc	#4 @ 16"oc	#4 @ 8"oc	#4 @ 12"oc

- MINIMUM REQUIREMENT FOR VERTICAL REBAR IN PLAIN CONCRETE WALLS IS #4 BARS @ 36" O.C. (ACI 318).
  - VERTICAL BARS SHALL BE CONTINUED TO WITHIN 4" OF THE TOP OF THE WALL.
  - REBAR SHALL BE POSITIONED AT THE TENSION FACE OF THE WALL (2" FROM THE INSIDE FACE).
  - REINFORCEMENT SHALL LAP A MINIMUM OF 24" AT ENDS, SPICES, AND AROUND CORNERS.
  - DESIGN BY A PROFESSIONAL ENGINEER IS REQUIRED FOR WALLS OVER 10' IN HEIGHT.
- BARS SHALL LAP A MINIMUM OF 48 BAR DIAMETERS AT ENDS, SPICES AND AROUND CORNERS. UNLESS OTHERWISE NOTED ON THESE DRAWINGS.
  - CONTINUOUS WALL FOOTINGS SHALL BE A MINIMUM OF 16" WIDE AND 8" DEEP WITH (2) #4 BARS CONTINUOUS WALL FOOTINGS SHALL BE A MINIMUM OF 24" WIDE AND 12" DEEP WITH (2) #4 BARS CONTINUOUS FOR 12" THICK WALLS.
  - INSTALL 1/2"x3 x 1/2" LONG ANCHOR BOLTS 7" EMBEDMENT AT 3'-0" O.C. AND WITHIN 12" OF THE END OF EACH SILL MEMBER. MINIMUM SILL PLATE TO BE 2X6 PRESSURE TREATED.
  - THE TOPS OF ALL BASEMENT (LOWER LEVEL) FOUNDATION WALLS SHALL BE CONNECTED TO THE FLOOR JOISTS. NAIL EACH FLOOR JOIST END AND END WALL BLOCKING TO THE WOOD SILL PLATE PER THE IRC NAILING SCHEDULE. WHERE FLOOR JOISTS RUN PARALLEL TO THE FOUNDATION WALLS, PROVIDE BLOCKING IN THE FIRST THREE JOIST SPACES AT 2'-0" O.C. OVER THE ENTIRE LENGTH OF THE FLOOR JOISTS.
  - WALLS SHALL BE FULL HEIGHT FROM FOOTING TO FLOOR FINISHING. NO WOOD FRAMED CRIPPLE WALLS EXCEPT AS SPECIFICALLY NOTED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
  - STRAIGHT WALLS MORE THAN 5 FEET TALL AND MORE THAN 16 FEET LONG SHALL BE PROVIDED WITH EXTERIOR BRACED RETURN WALLS. REF TYP DEADMAN DETAIL.
  - FOUNDATION WALLS SHALL BE DESIGNED FOR AN EQUIVALENT FLOOR PRESSURE (EFP) 60 PSF.
  - PROVIDE STEEL SHIMS IN BEAM POCKETS TO LEVEL BEAMS. BEAM POCKETS SHALL BE GROUTED SOLID WITH 4,000 PSI NON-SHRINK GROUT AFTER BEAMS ARE LOADED WITH FRAMING MEMBERS.
  - REINFORCE AROUND BEAM POCKETS BY BENDING TOP CONTINUOUS HORIZONTAL BAR BELOW BEAM POCKET OR INSTALL SEPARATE BENT BAR LAPPED AND TIED MINIMUM 24" EACH SIDE.
  - PROVIDE TWO #4 X 4'-0" LONG DIAGONAL BARS AT THE CORNERS OF ALL OPENINGS IN CONCRETE WALLS AND AT FOOTING STEPS. ALSO PROVIDE 2 ADDITIONAL #4 ON ALL SIDES OF WALL OPENINGS. BARS SHALL BE 3'-0" LONGER THAN OPEN VERTICAL OR HORIZONTAL DIMENSION.
  - FOUNDATION WALLS THAT RETAIN EARTH AND ENCLOSE INTERIOR SPACES AND FLOORS BELOW GRADE SHALL BE DAMP PROOFED FROM THE TOP OF THE FOOTING TO THE FINISHED GRADE WITH A BITUMINOUS COATING IN ACCORDANCE WITH SECTION R406.1.
  - INSULATION SHALL BE INSTALLED FOR ALL BASEMENT WALLS AS REQUIRED PER SECTION N1102.1.
  - ALL SITE RETAINING WALLS GREATER THAN 4'-0" IN HEIGHT SHALL REQUIRE A DESIGN BY A PROFESSIONAL ENGINEER.
  - A CONCRETE ENCASED GROUNDING ELECTRODE CONNECTION SHALL BE PROVIDED TO THE ELECTRICAL SERVICE PER SECTION E3908.1.

**FOOTING SCHEDULE**

MARK	SIZE L x W x THK	REINFORCING (NO) SIZE LOCATION	TOF EL OF SLAB	COLUMN
F1	2'-0" x 2'-0" x 1'-0"	(4) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3" STD STEEL PIPE COLUMN
F2	2'-6" x 2'-6" x 1'-0"	(4) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3" STD STEEL PIPE COLUMN
F3	3'-0" x 3'-0" x 1'-0"	(6) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3" STD STEEL PIPE COLUMN
F4	4'-0" x 4'-0" x 1'-4"	(8) #4 EW BOTTOM	8" BELOW TOP OF SLAB	3" STD STEEL PIPE COLUMN

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



N&S JOB NUMBER: 2025-0716  
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**PROJECT INFORMATION**  
THE LEXINGTON II  
2611 SW TRACKER LANE  
LEE'S SUMMIT, MISSOURI 64082

**ISSUES & REVISIONS**

#	DATE	DESCRIPTION
	3/21/2025	City Comment

DRAWN BY: MLR  
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ISSUED:

**SHEET TITLE**  
FOUNDATION PLAN

**SHEET NUMBER**  
S100

RELEASE FOR CONSTRUCTION  
AS NOTED FOR PLAN REVIEW  
LEE'S SUMMIT, MISSOURI  
04/07/2025



**PROJECT INFORMATION**  
 THE LEXINGTON II  
 2611 SW TRACKER LANE  
 LEE'S SUMMIT, MISSOURI 64082

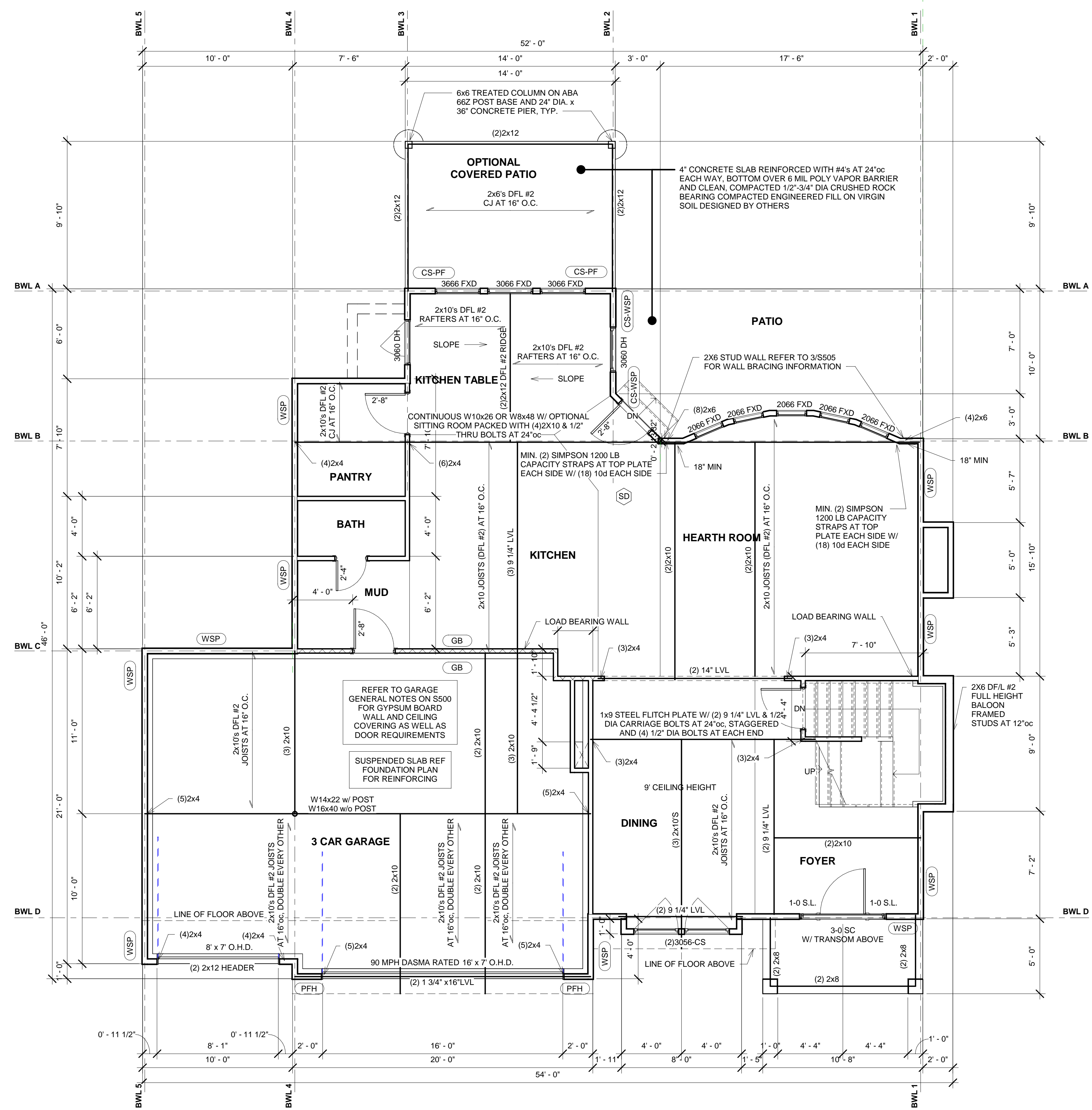
**ISSUES & REVISIONS**

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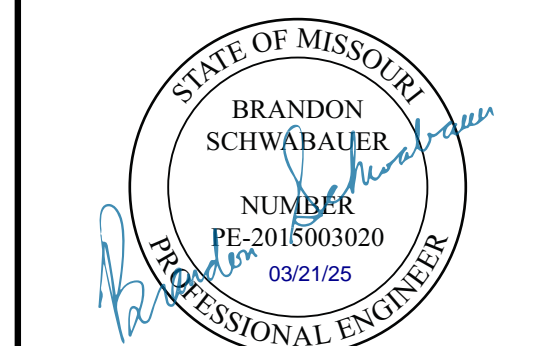
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**SHEET TITLE**  
 FIRST FLOOR FRAMING PLAN

**SHEET NUMBER**  
 S101



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



PROJECT INFORMATION  
 THE LEXINGTON II  
 2611 SW TRACKER LANE  
 LEE'S SUMMIT, MISSOURI 64082

ISSUES & REVISIONS

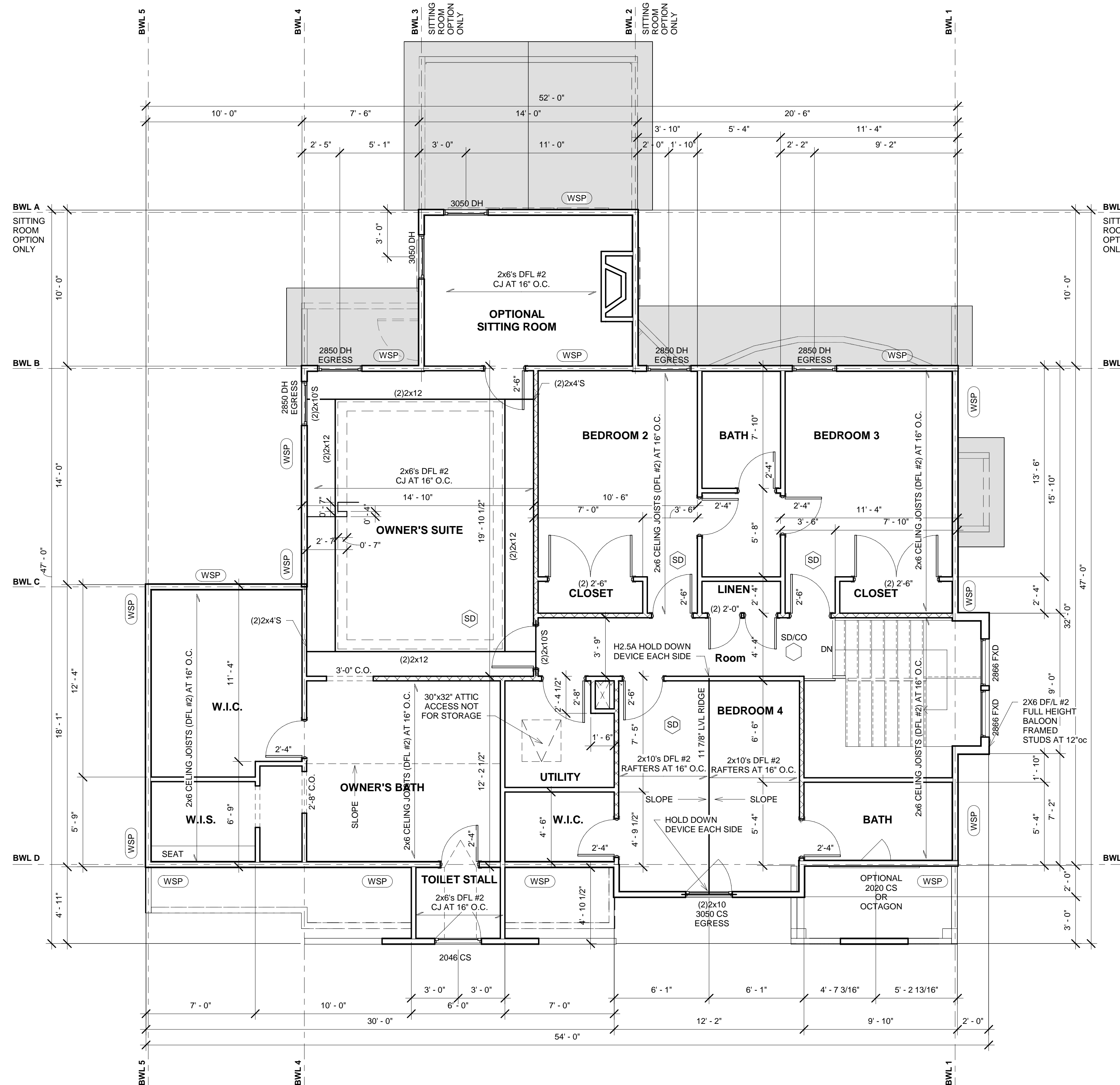
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SHEET TITLE  
 SECOND FLOOR FRAMING PLAN

SHEET NUMBER  
 S102

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 AS NOTED FOR PLAN REVIEW  
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BRACED WALL METHODS

**WSP - WOOD STRUCTURAL PANEL:** WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 3/8" FOR 16" STUD SPACING, FASTEN WITH 6d COMMON NAILS (.131" Øx2" LONG) AT 6"oc ALONG EDGES AND 12"oc AT INTERMEDIATE SUPPORTS, WHERE SHOWN ON PLANS. UNLESS OTHERWISE NOTED, PANEL WIDTH = 4'-0".

**CS-WSP - CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL:** WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 3/8" FOR 16" STUD SPACING, FASTEN WITH 6d COMMON NAILS (.131" Øx2" LONG) AT 6"oc ALONG EDGES AND 12"oc AT INTERMEDIATE SUPPORTS, PLACED ON ALL SHEATHABLE SURFACES ON ONE SIDE OF THE BRACED WALL LINE INCLUDING AREAS ABOVE AND BELOW OPENINGS AND GABLE END WALLS.

**GB - GYPSUM BOARD:** 1/2" GYPSUM BOARD WITH 13 GAGE, 1 3/8" LONG, 19/64" HEAD, 0.098" DIA, 1 3/8" LONG, ANNULAR-RINGED; 6d COOLER NAIL, 0.092" DIA, 1 7/8" LONG, 1/4" HEAD; OR GYPSUM BOARD NAIL, 0.0915" DIA, 1 7/8" LONG, 19/64" HEAD; TYPE W OR TYPE S SCREWS; AT 7"oc EDGES & 7"oc FIELD

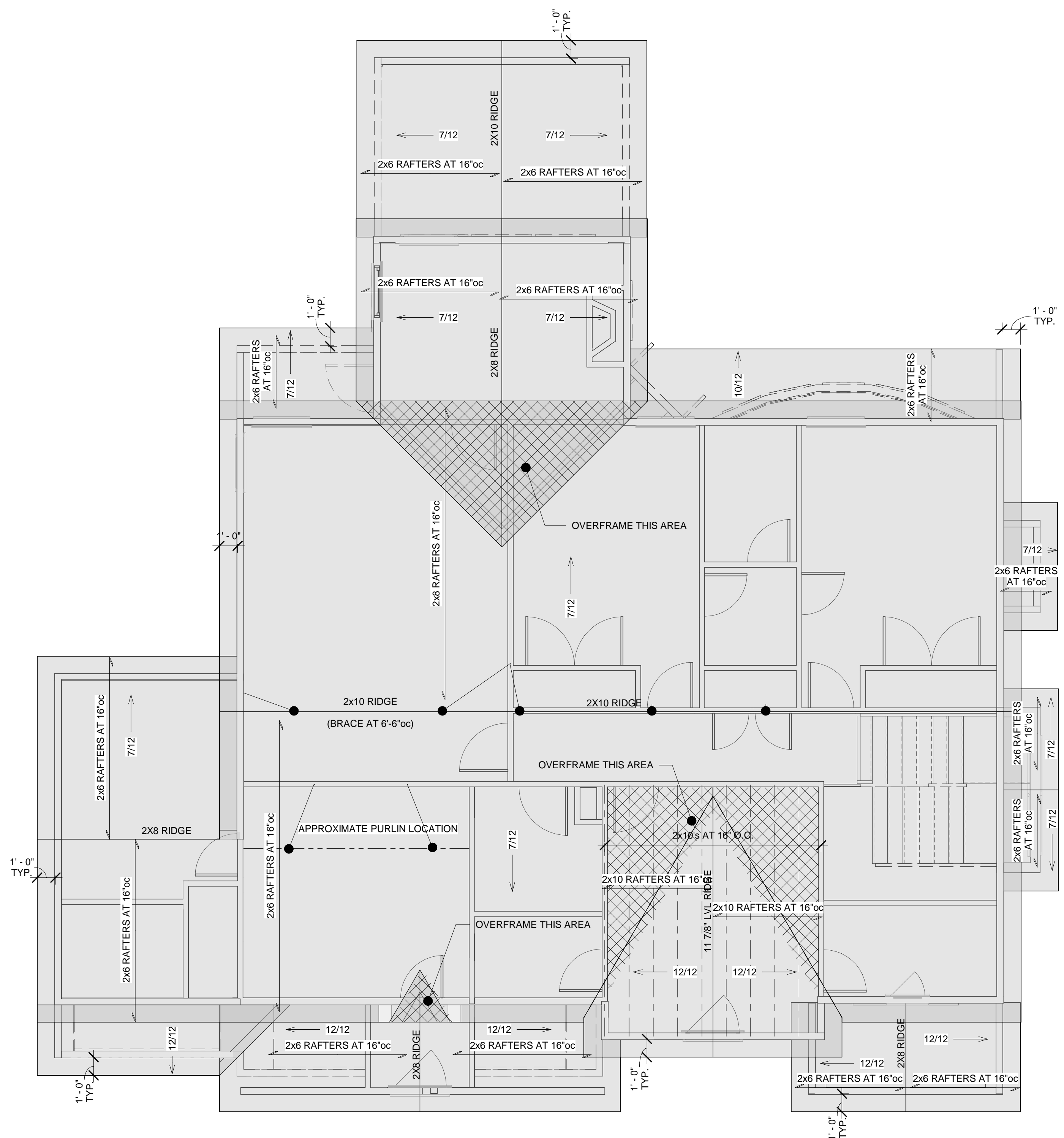
**PFH - PORTAL FRAME WITH HOLD-DOWNS:** REF PORTAL FRAME WITH HOLD-DOWNS DETAIL

**ABW - ALTERNATE BRACED WALL:** REF ALTERNATE BRACED WALL DETAIL

**CS-PF - CONTINUOUSLY SHEATHED PORTAL FRAME:** REF CONTINUOUSLY SHEATHED PORTAL FRAME DETAIL

**HPS - HARDBOARD PANEL SIDING:** HARDBOARD PANEL SIDING WITH A 7/16" THICKNESS, FASTEN WITH 0.092" DIA, 0.225" DIA HEAD NAILS WITH LENGTH TO ACCOMMODATE 1 1/2" PENETRATION INTO STUDS AT 4"oc ALONG EDGES AND 8" AT INTERMEDIATE SUPPORTS.

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



- ROOF FRAMING PLAN NOTES**
- NOTES ARE TYPICAL UNLESS NOTE NUMBER IS INSIDE OF CIRCLE, THEN THE NOTE REFERS TO A SPECIFIC LOCATION(S) MARKED ON THE PLAN.
1. PROVIDE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING NAILED TO ROOF RAFTERS WITH 8d NAILS AT 6" OC AT PANEL EDGES AND 12" OC AT NON-PANEL EDGES.
  2. PROVIDE ADDITIONAL DEPTH TO JOISTS AS REQUIRED TO PROVIDE 1" AIR GAP TO PREVENT CONDENSATION PLUS 12" INSULATION TO PROVIDE R-38 INSULATION VALUE TO VAULTED CEILING AREA WHERE SHOWN ON PLAN WITH CROSS HATCH.
  3. ALL RIDGE MEMBERS SHALL BE 1" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER. ALL VALLEY AND HIP MEMBERS SHALL BE 2" NOMINAL THICKNESS AND NOT LESS IN DEPTH THAN THE CUT END OF THE RAFTER.
  4. HIP AND VALLEY MEMBERS SHALL BE SUPPORTED AT THE RIDGE WITH A 2x6 T-BRACE TO A BEARING WALL BELOW. PROVIDE SOFFIT, RIDGE, AND GABLE END VENTS AS REQUIRED TO PROVIDE ADEQUATE VENTILATION FOR ROOF.
  5. PROVIDE PROPER FLASHING AND BUILDING PAPER UNDER SHINGLES AS REQUIRED TO PROVIDE WATER TIGHT SEAL AT ALL ROOF PENETRATIONS, RIDGES, VALLEYS, HIPS AND/OR OTHER SLOPE CHANGES.
  6. GUTTERS, DOWNSPOUTS, AND SPLASH BLOCKS SHALL BE PROVIDED TO INSURE ALL ROOF DRAINAGE IS DIRECTED 5 FEET MINIMUM FROM HOUSE BEFORE TOUCHING SOIL.
  7. ALL GABLE END WALL FRAMING SHALL BE 2x4 DOUG-FIR NO. 2 AT 16" OC.
  8. PROVIDE PROPER CEILING INSULATION AS REQUIRED BY GOVERNING BUILDING CODE.

**NOTE:**

- RAFTERS TO BE 2x6 DF-L No. 2 AT 16" O.C. U.N.O.
- HIP, VALLEY, AND RIDGE MEMBERS SHALL BE (1)2x8 DF-L No. 2 U.N.O.
- REF. 12/S503 FOR PURLING BRACING

**PROJECT INFORMATION**

THE LEXINGTON II  
 2611 SW TRACKER LANE  
 LEE'S SUMMIT, MISSOURI 64082

**ISSUES & REVISIONS**

#	DATE	DESCRIPTION

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**ROOF FRAMING PLAN**

**SHEET NUMBER**

**S103**

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



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 2611 SW TRACKER LANE  
 LEE'S SUMMIT, MISSOURI 64082

ISSUES & REVISIONS

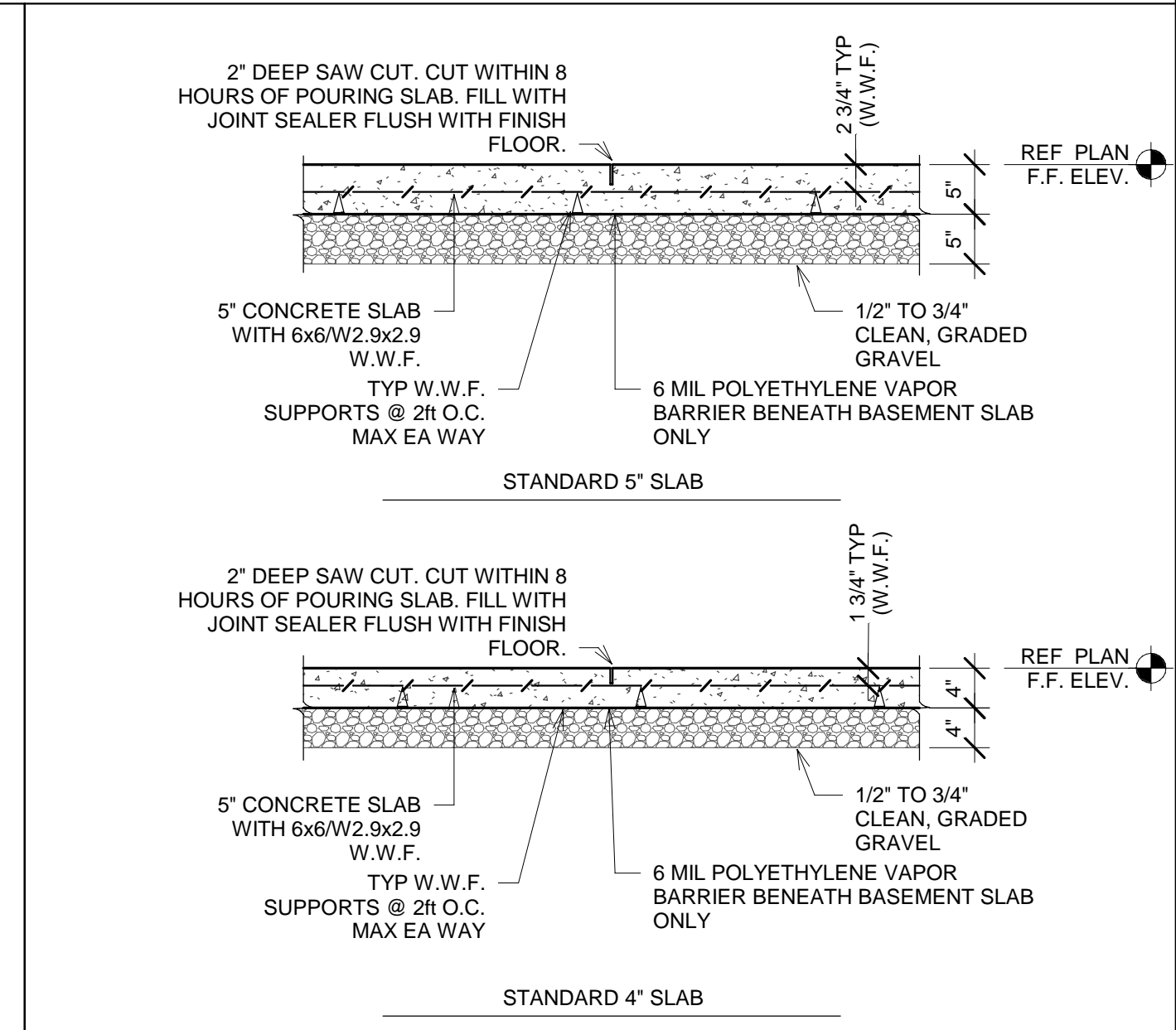
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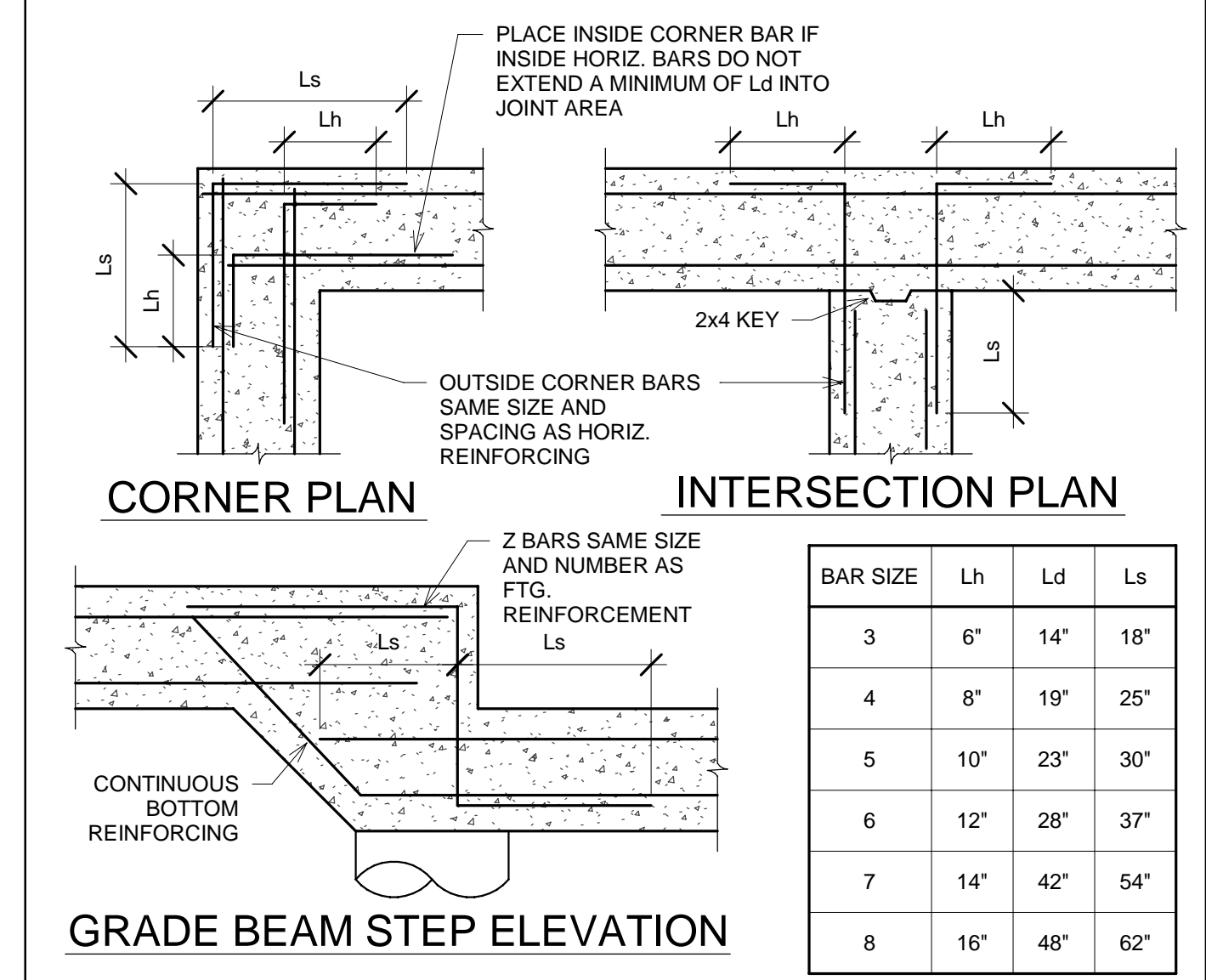
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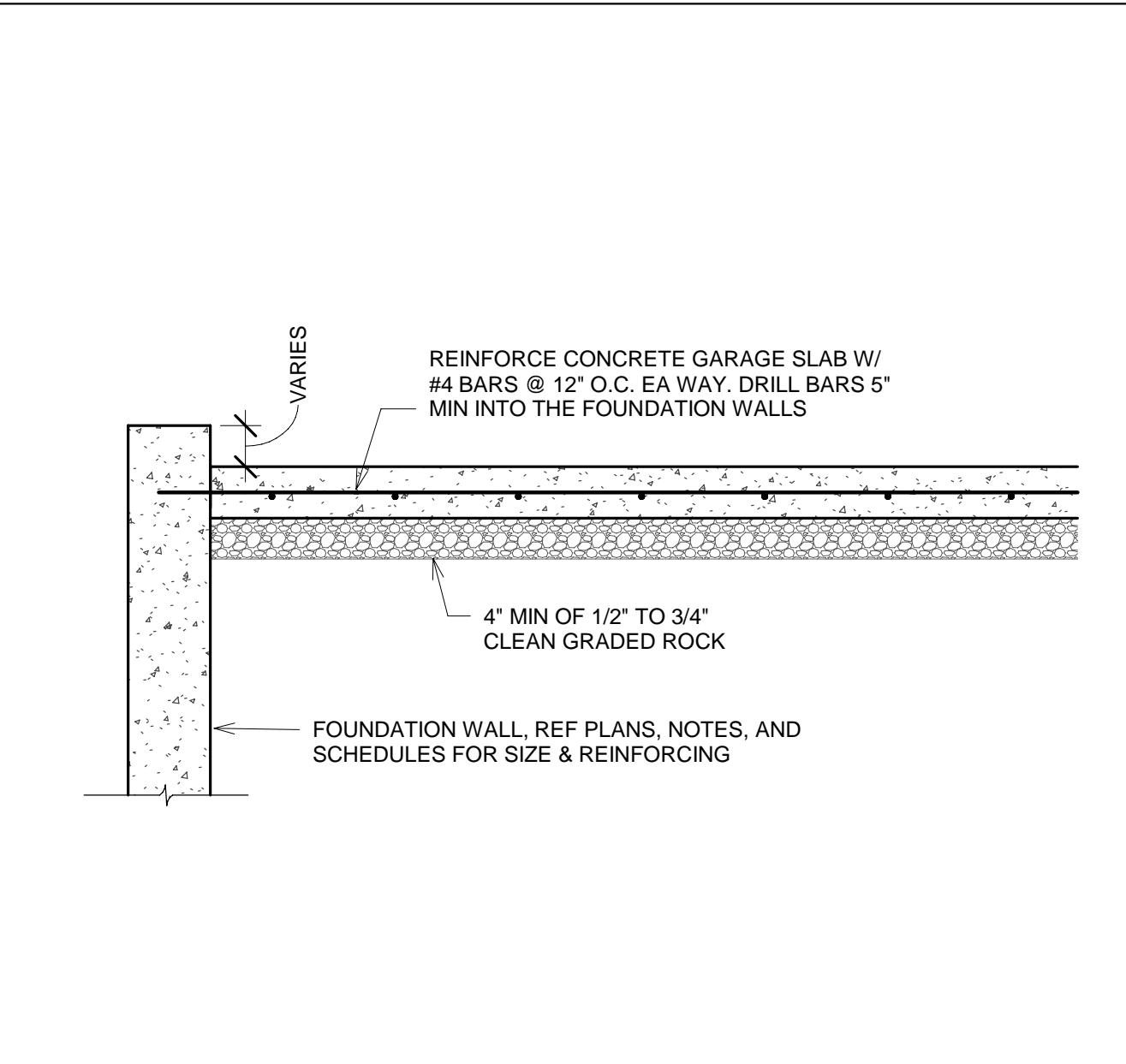
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LEE'S SUMMIT, MISSOURI  
**04/07/2025**



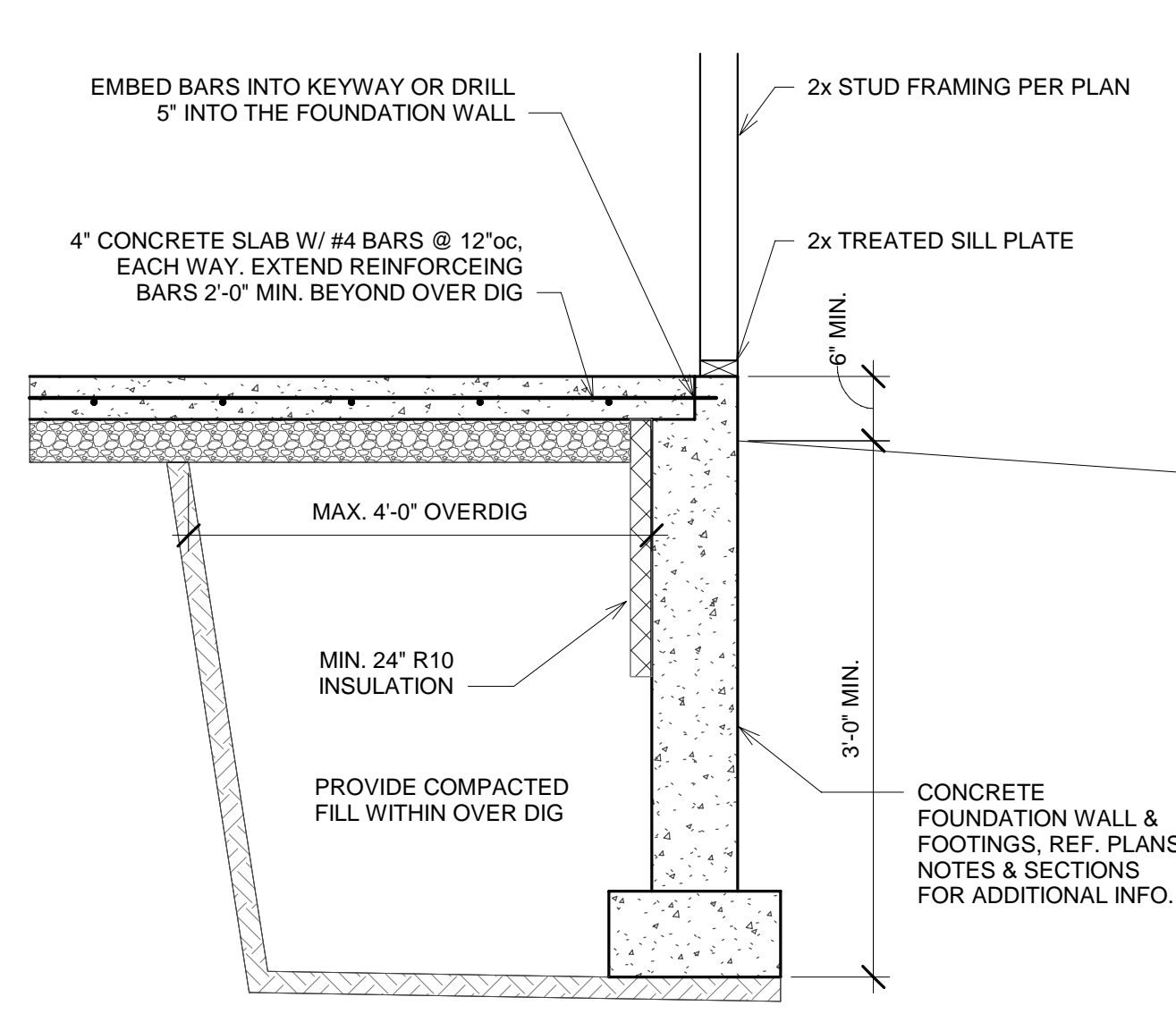
**3 STANDARD SLAB DETAILS**  
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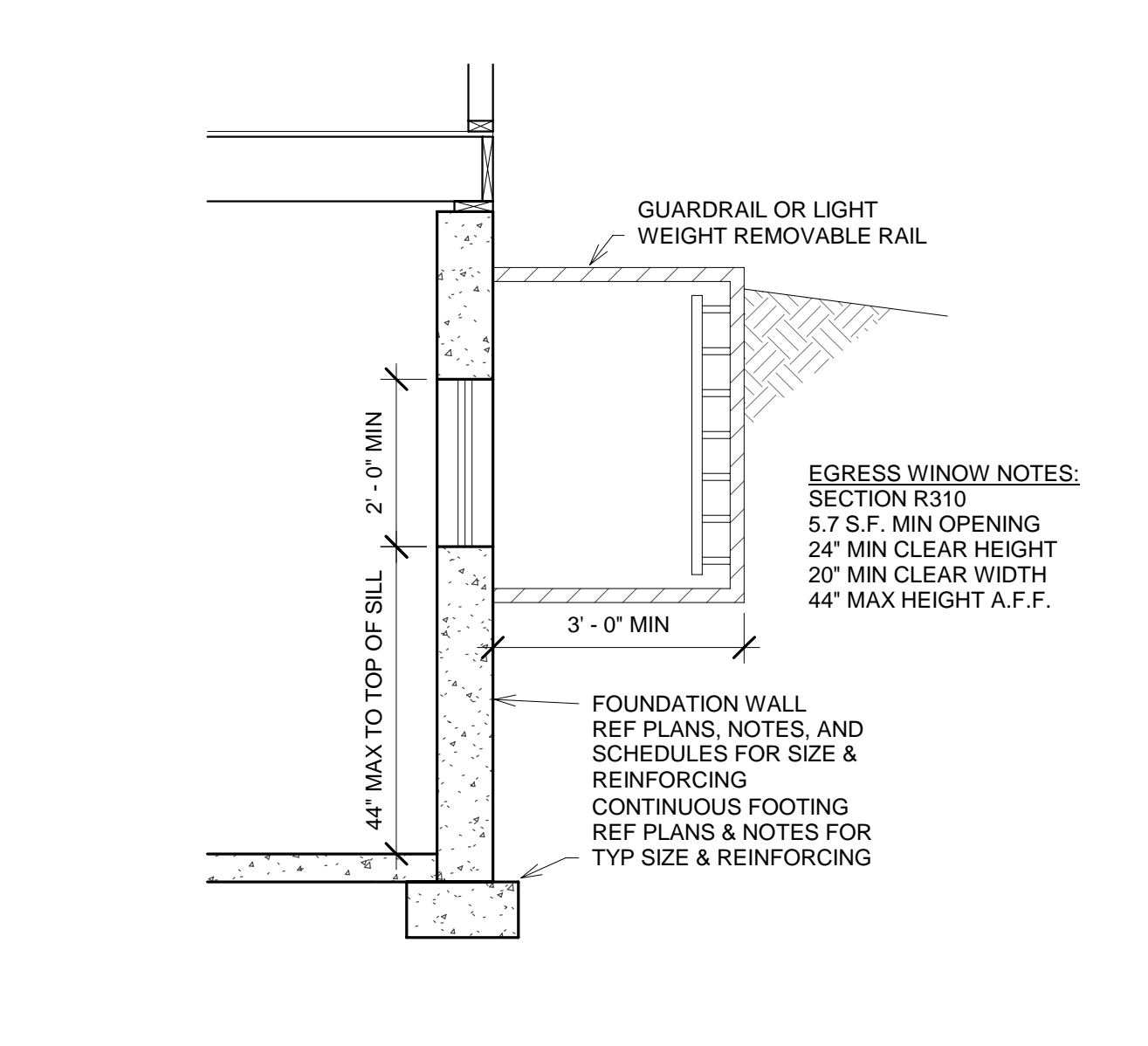
**2 TYP WALL AND GRADE BEAM DETAILS**  
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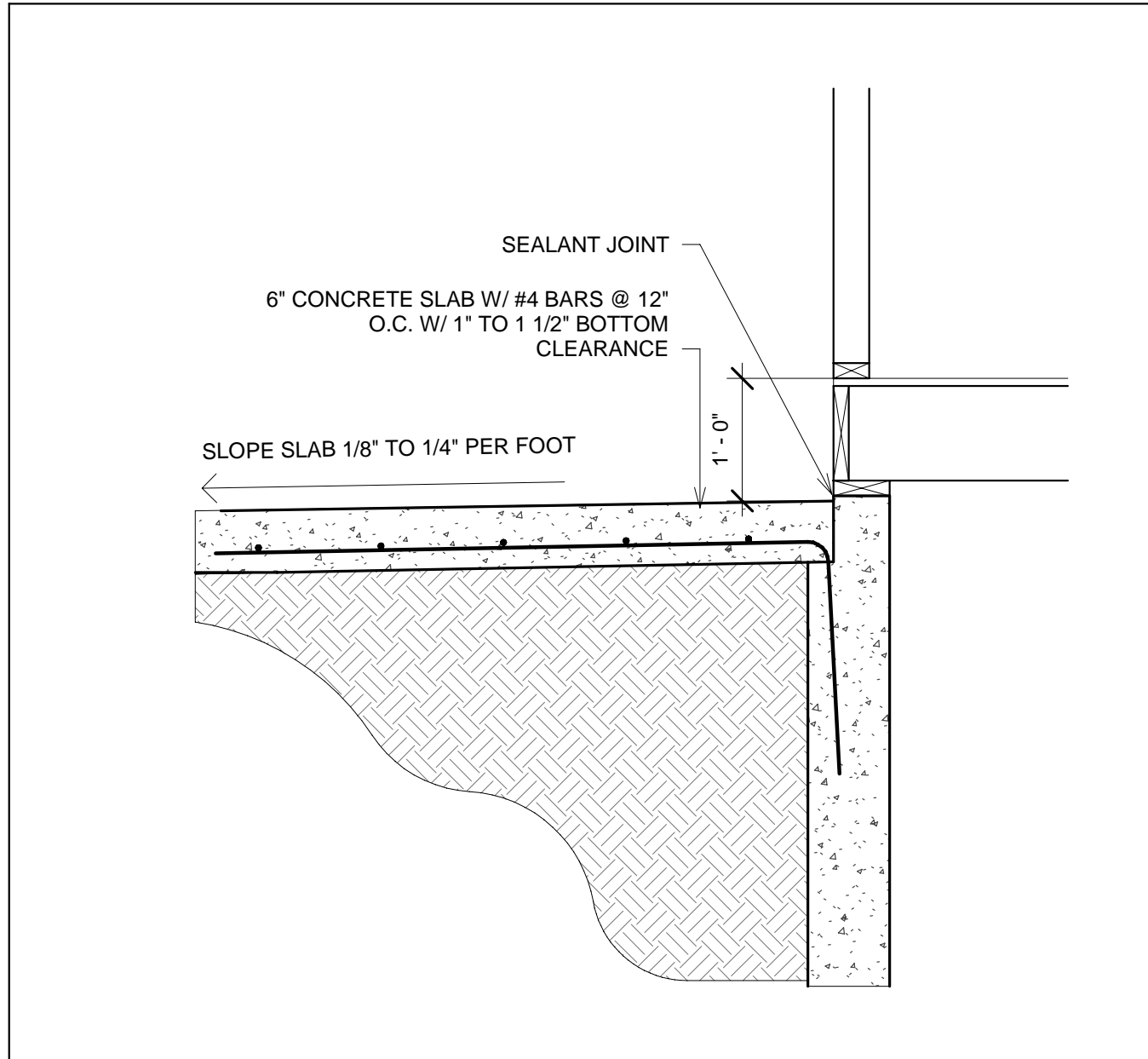
**6 GARAGE WALL/SLAB SECTION**  
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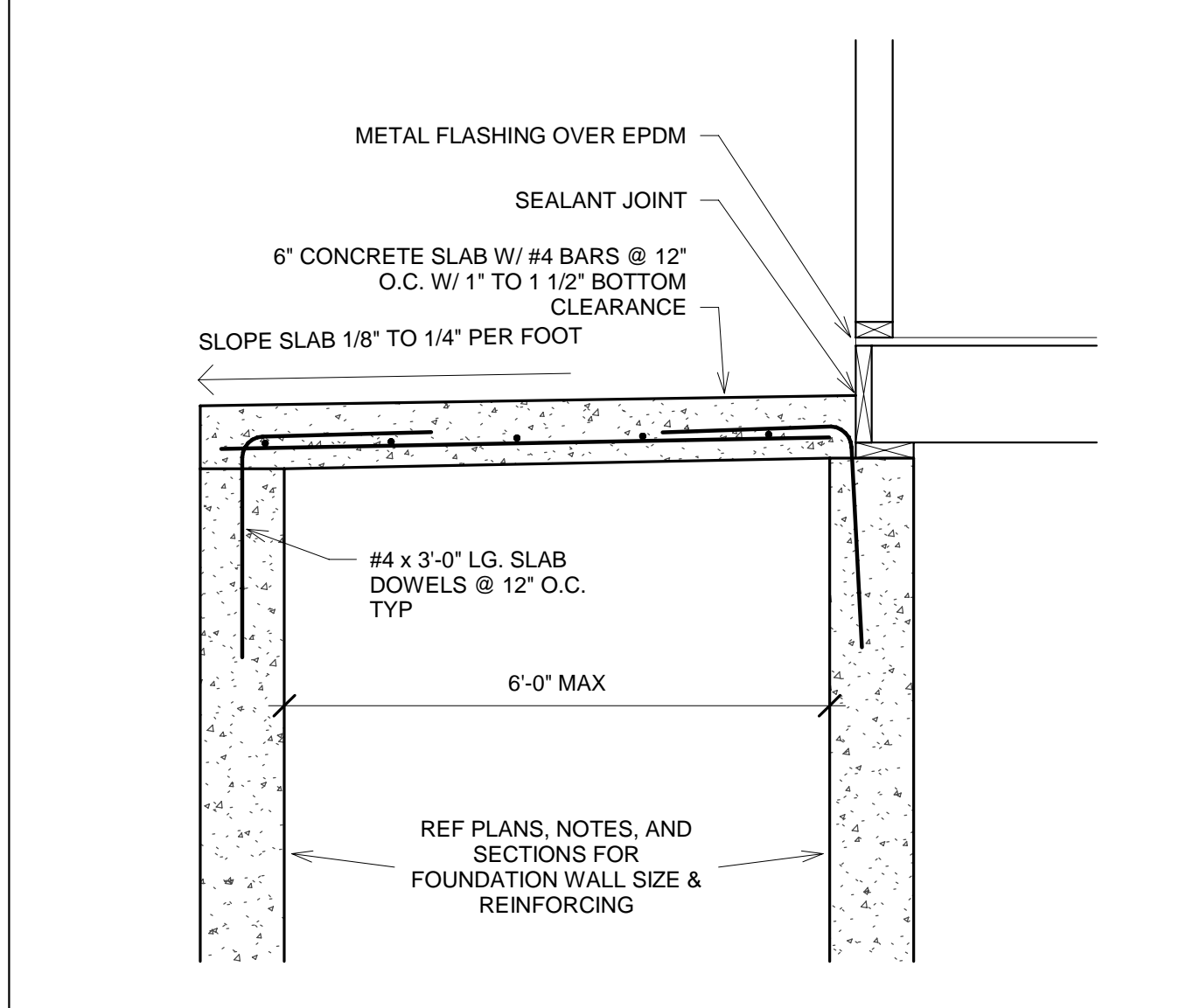
**5 OVER DIG SECTION AT BASEMENT SLAB**  
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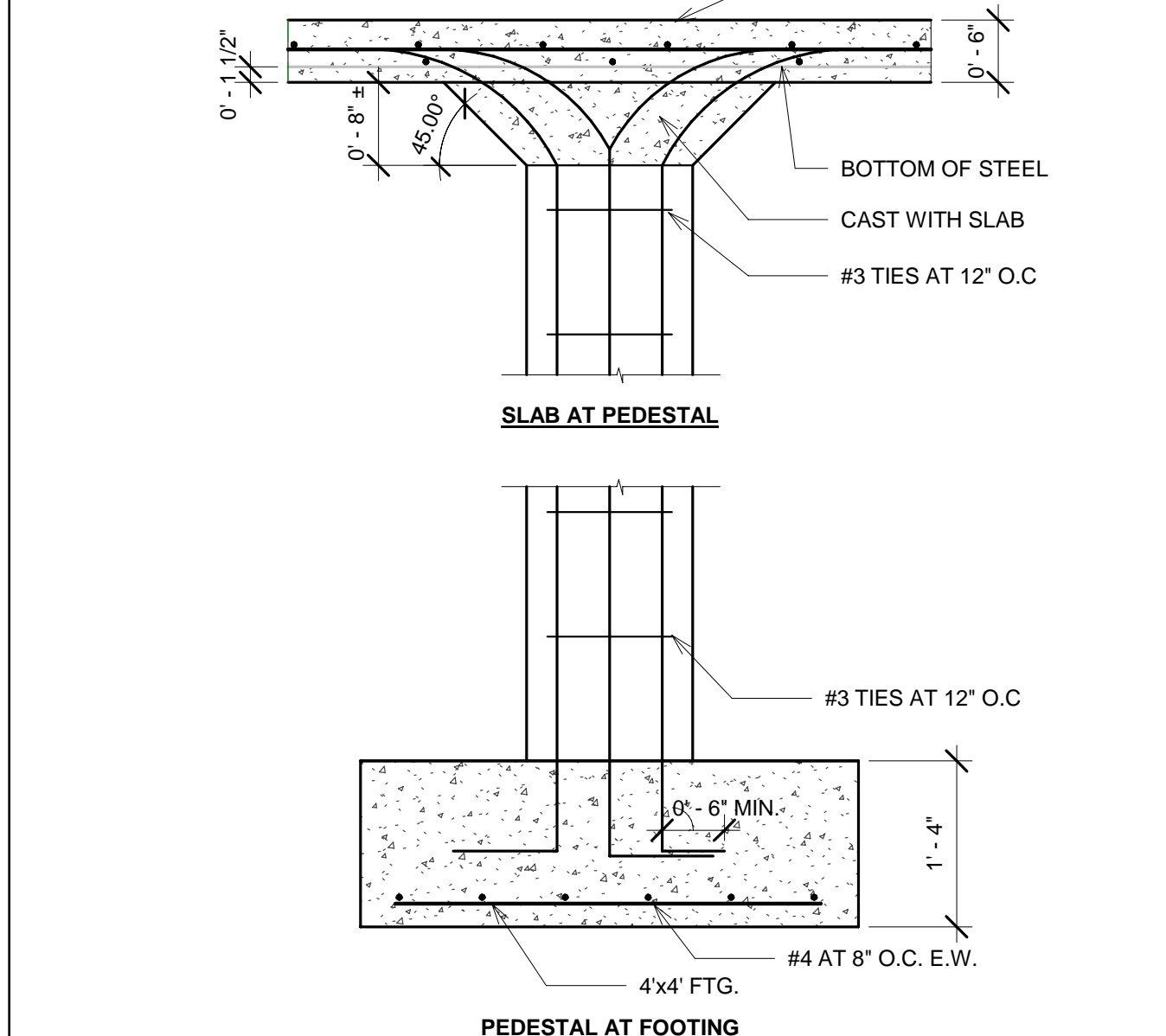
**4 TYP EGRESS WINDOW SECTION**  
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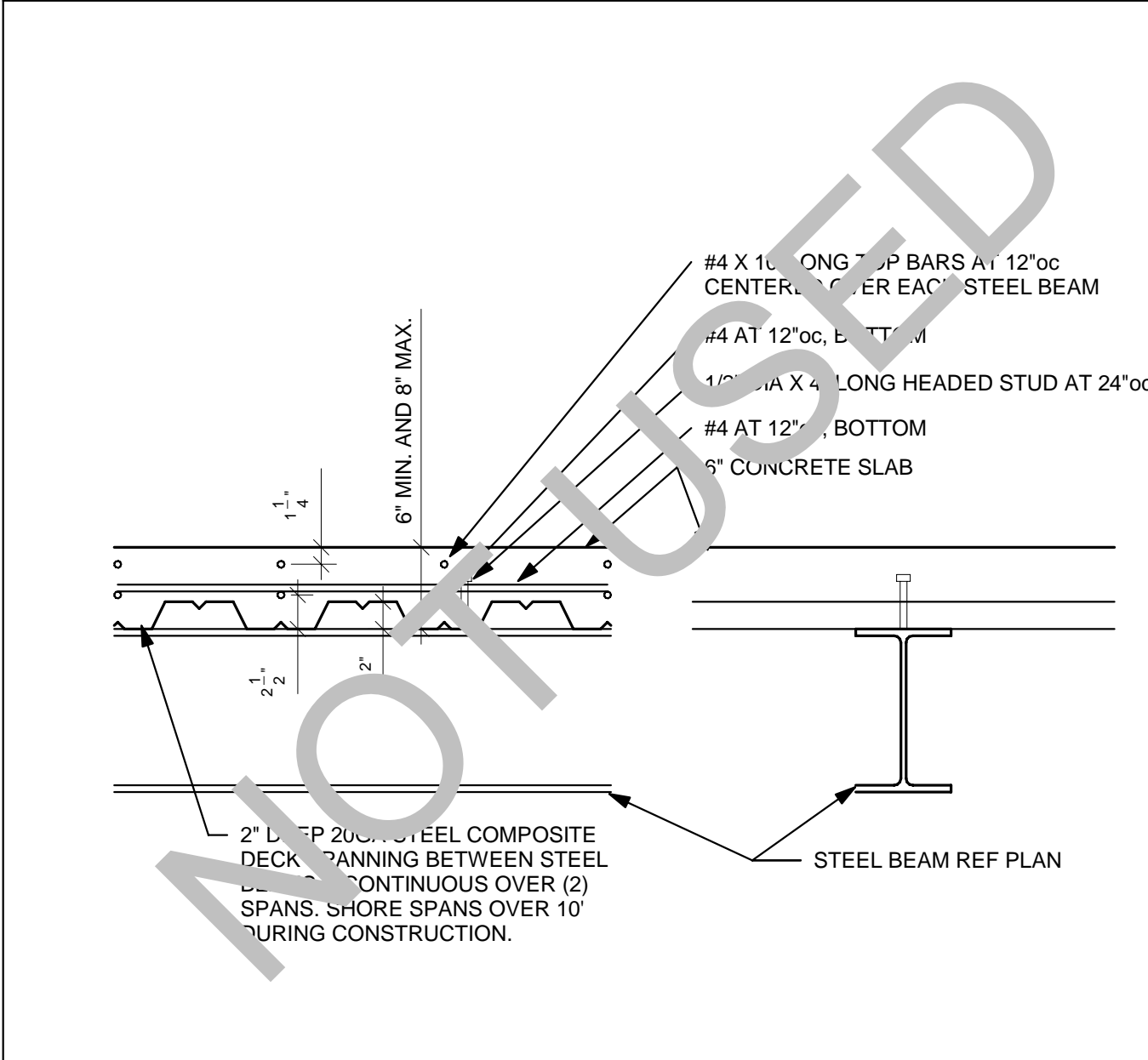
**9 SLAB AT GARAGE**  
 SCALE: 3/4" = 1'-0"



**8 SUSPENDED PORCH STOOP**  
 SCALE: 3/4" = 1'-0"



**7 PEDESTAL AT GARAGE SLAB ON FILL**  
 SCALE: 3/4" = 1'-0"



**10 TYPICAL SUSPENDED SLAB1**  
 SCALE: 1" = 1'-0"

**NOT REPRODUCED**

**PROJECT INFORMATION**  
THE LEXINGTON II  
2611 SW TRACKER LANE  
LEE'S SUMMIT, MISSOURI 64082

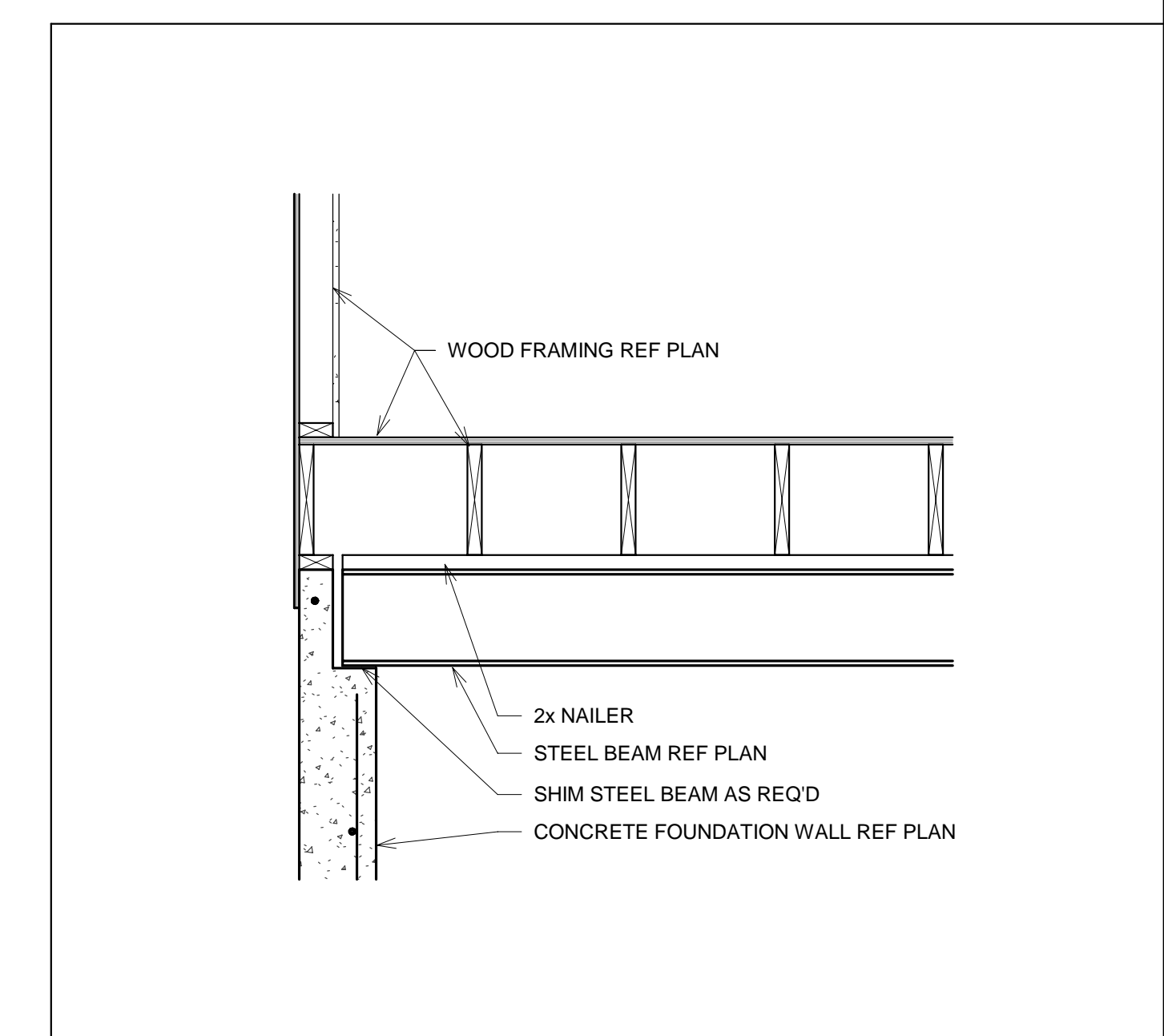
**ISSUES & REVISIONS**

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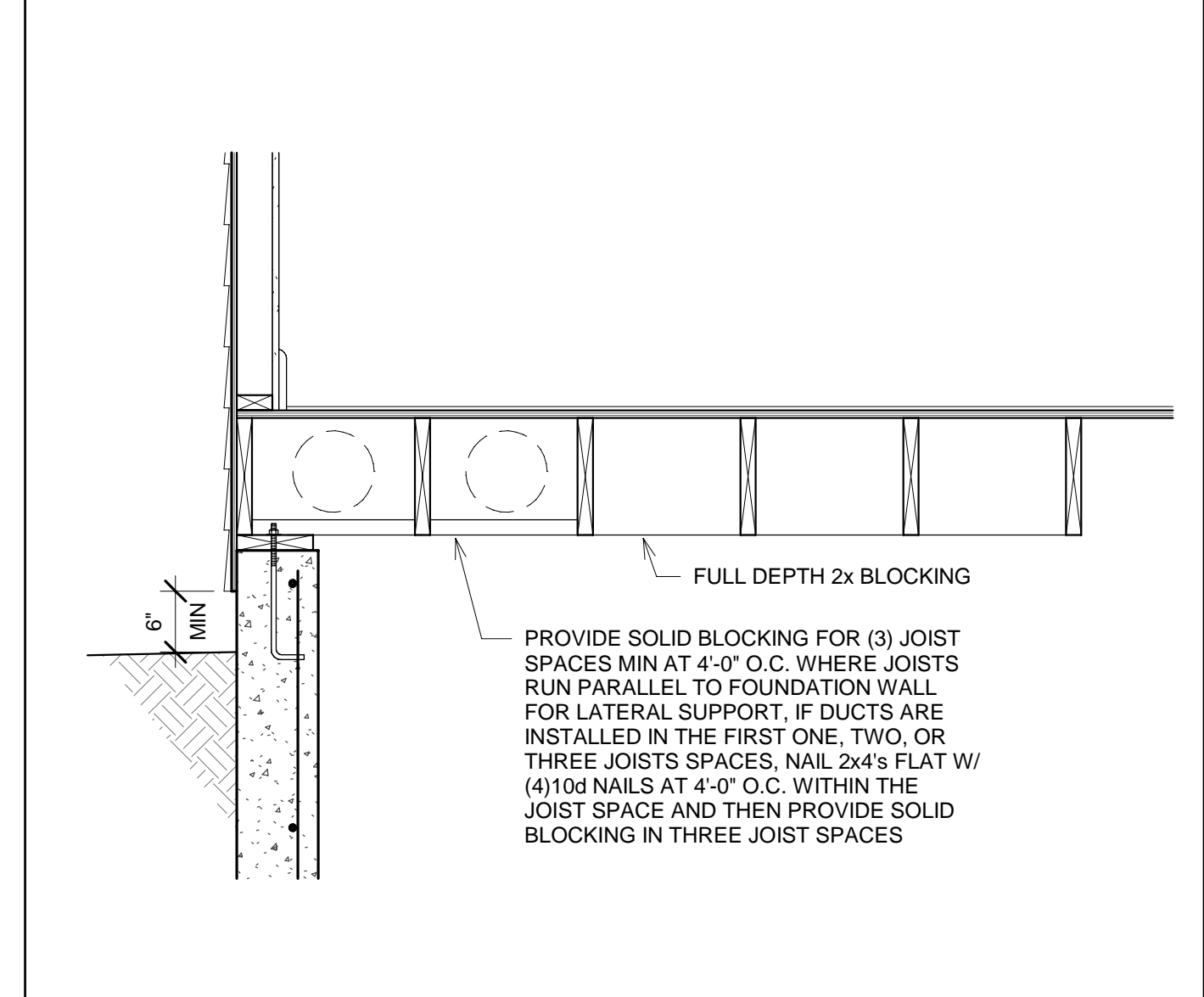
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DETAILS

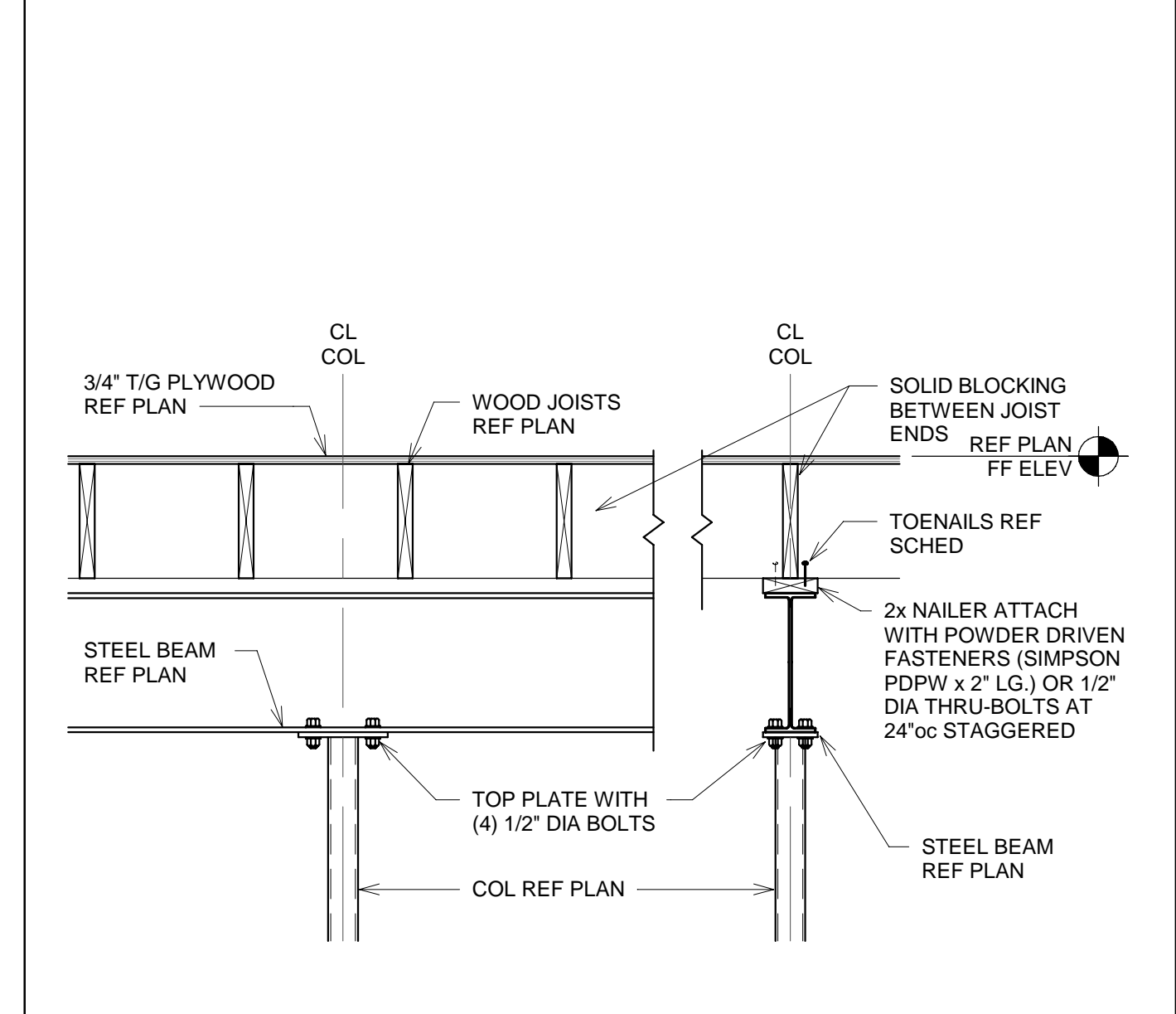
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S502



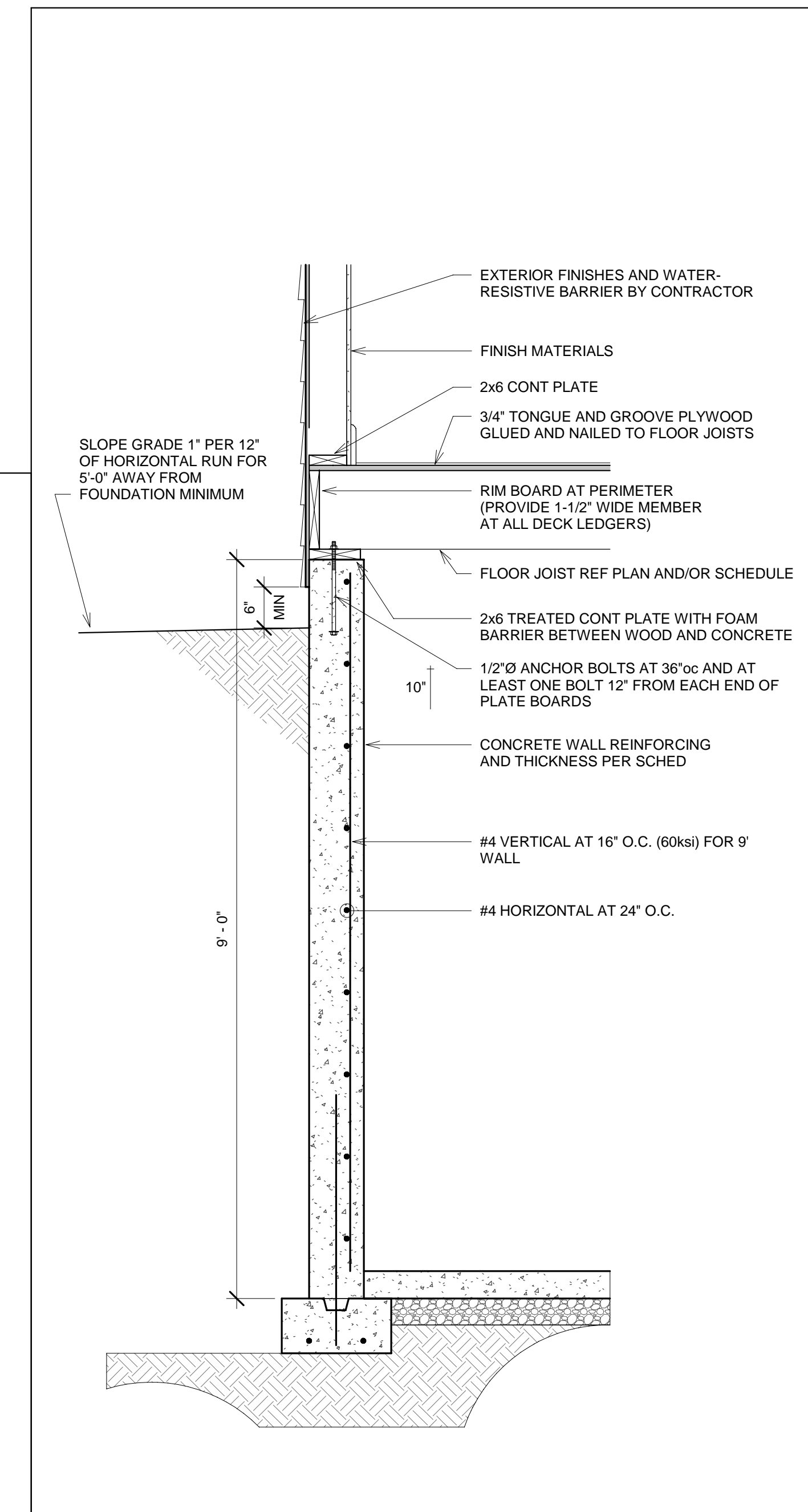
**3 STL BEAM ON CONC FOUND WALL**  
SCALE: 3/4" = 1'-0"



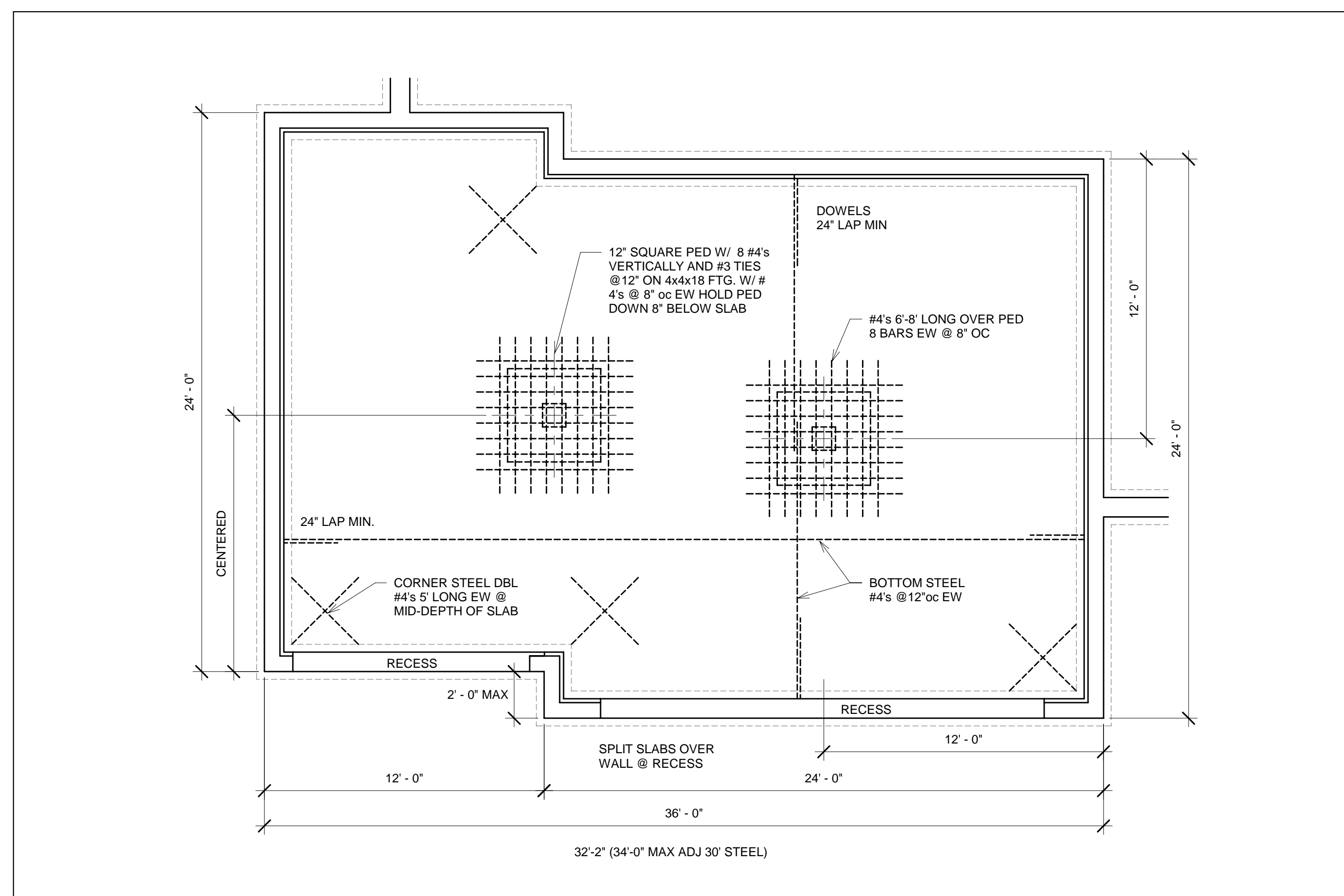
**2 JOISTS PARALLEL TO WALL**  
SCALE: 3/4" = 1'-0"



**1 TYPICAL BEAM AT COLUMN**  
SCALE: 3/4" = 1'-0"

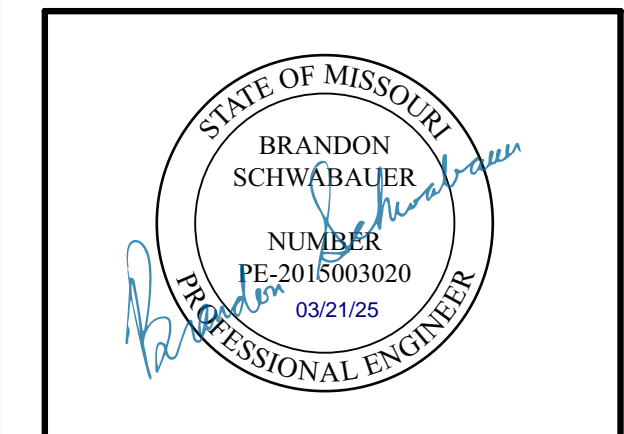


**4 FULL HEIGHT BASEMENT WALL SECTION**  
SCALE: 3/4" = 1'-0"



**5 GARAGE SLAB ON FILL**  
SCALE: 1/4" = 1'-0"





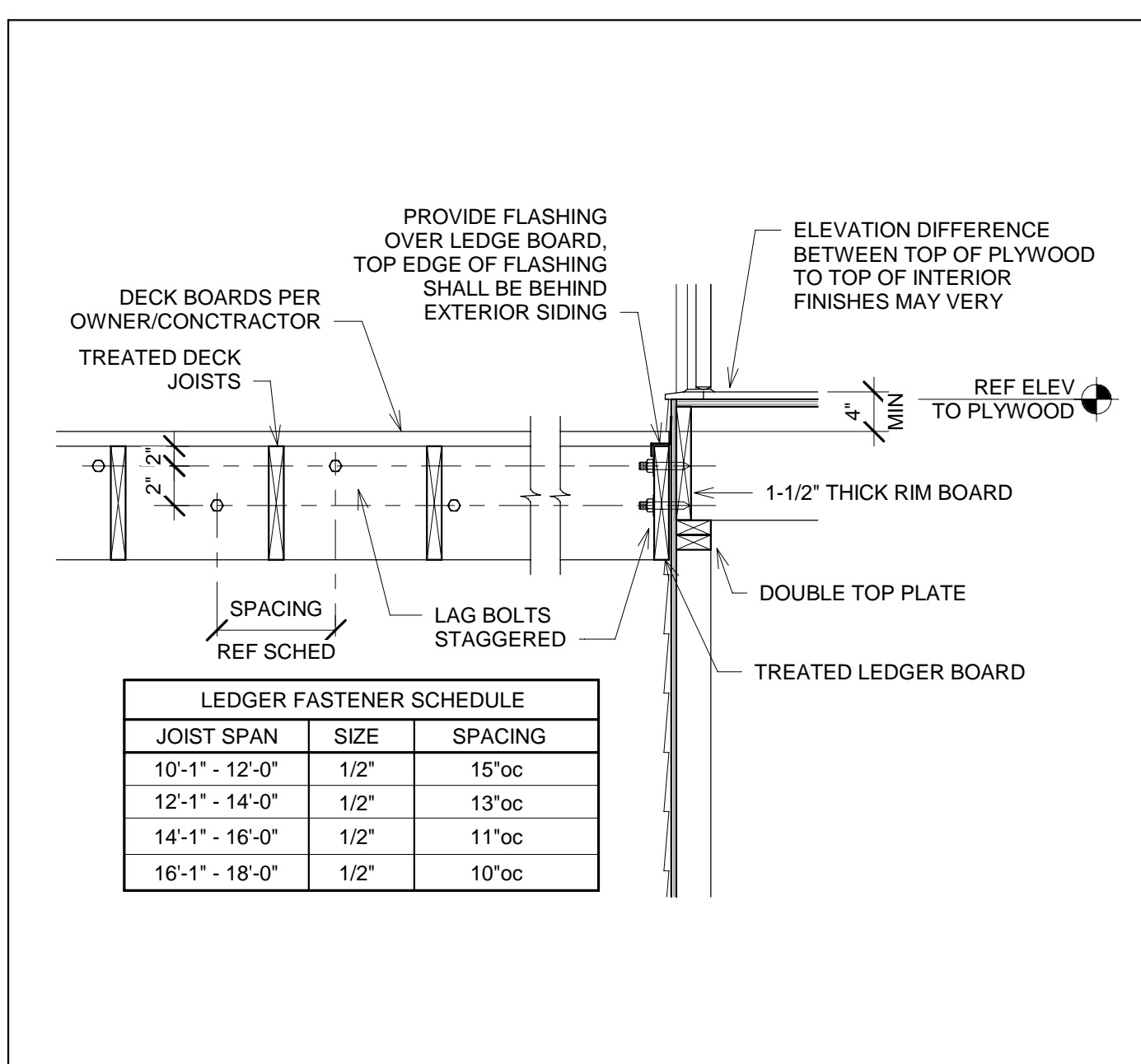
PROJECT INFORMATION  
 THE LEXINGTON II  
 2611 SW TRACKER LANE  
 LEE'S SUMMIT, MISSOURI 64082

ISSUES & REVISIONS		
#	DATE	DESCRIPTION
	3/21/2025	City Comment

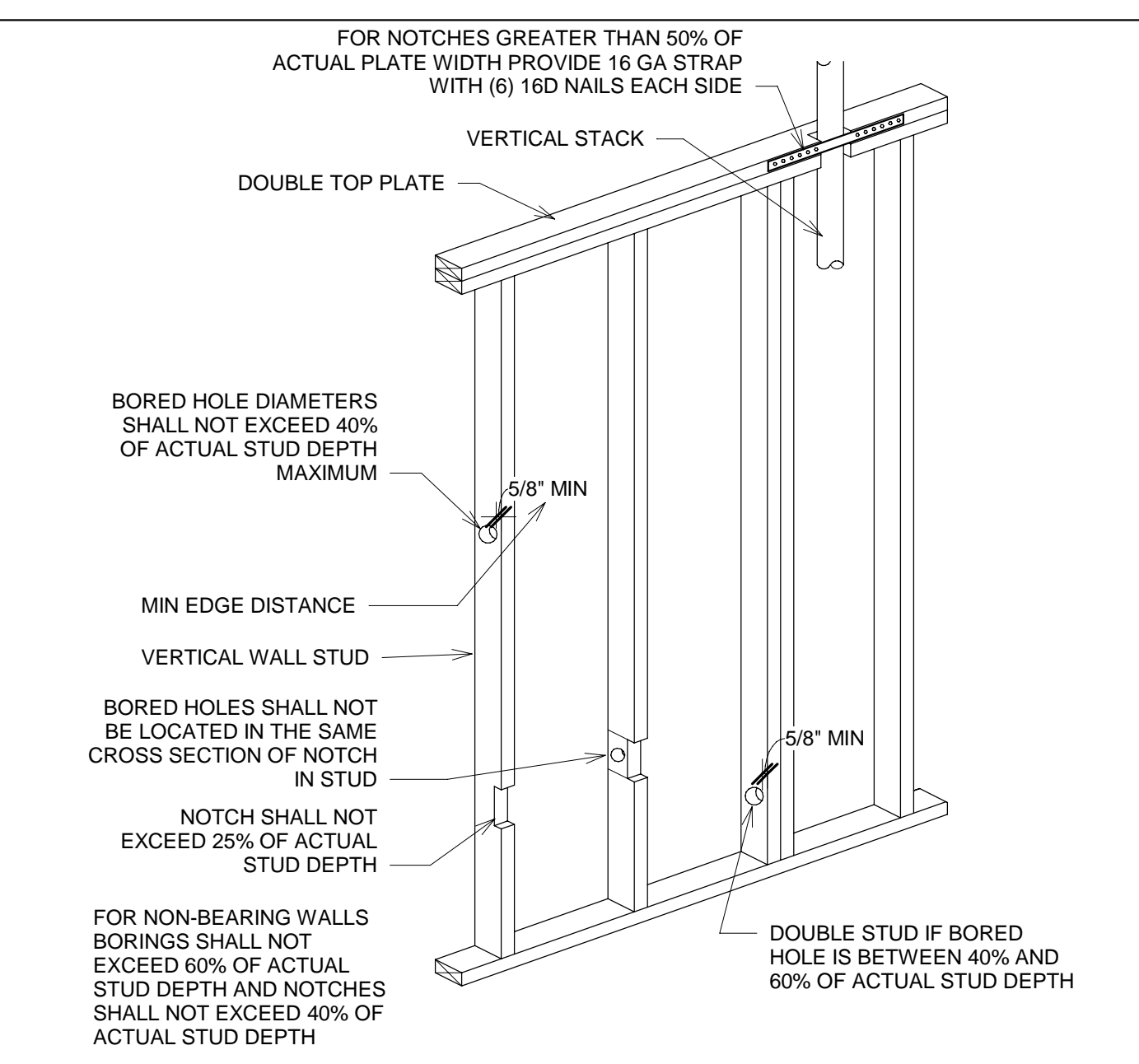
DRAWN BY: MLR  
 CHECKED BY: BSS  
 ISSUED FOR:

SHEET TITLE  
**DETAILS**

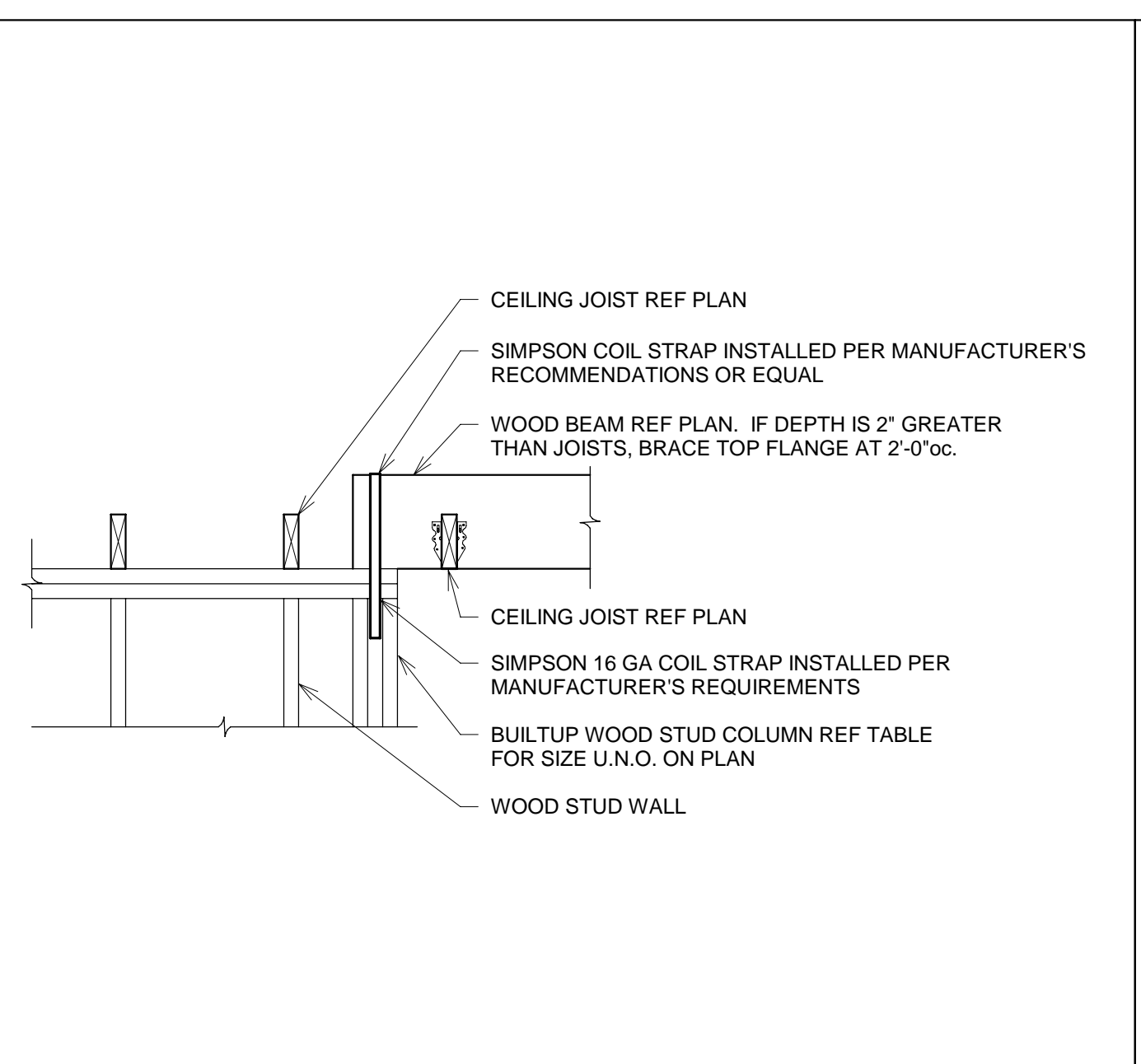
SHEET NUMBER  
**S503**



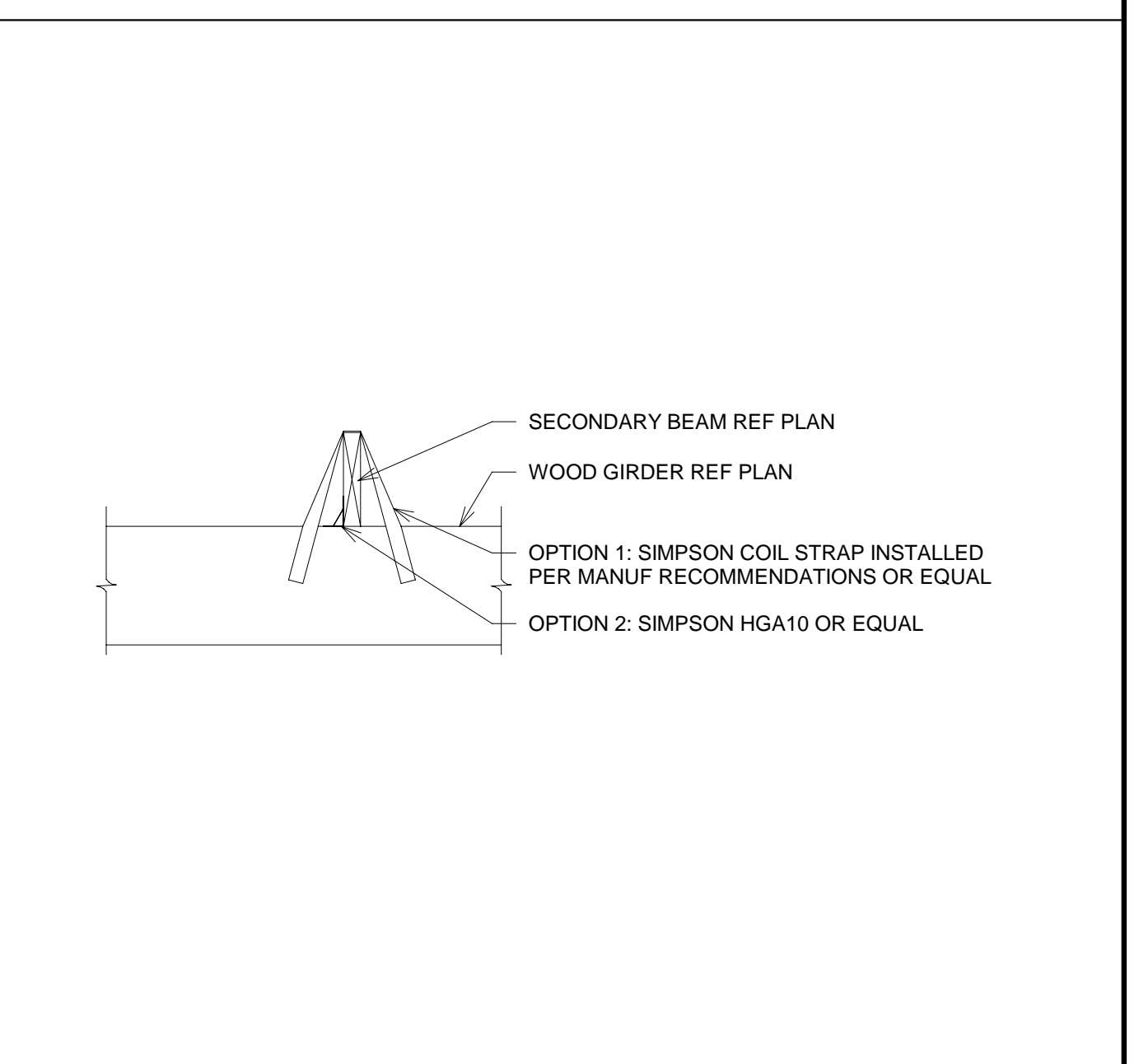
10 DECK LEDGER ATTACHMENT  
 SCALE: 3/4" = 1'-0"



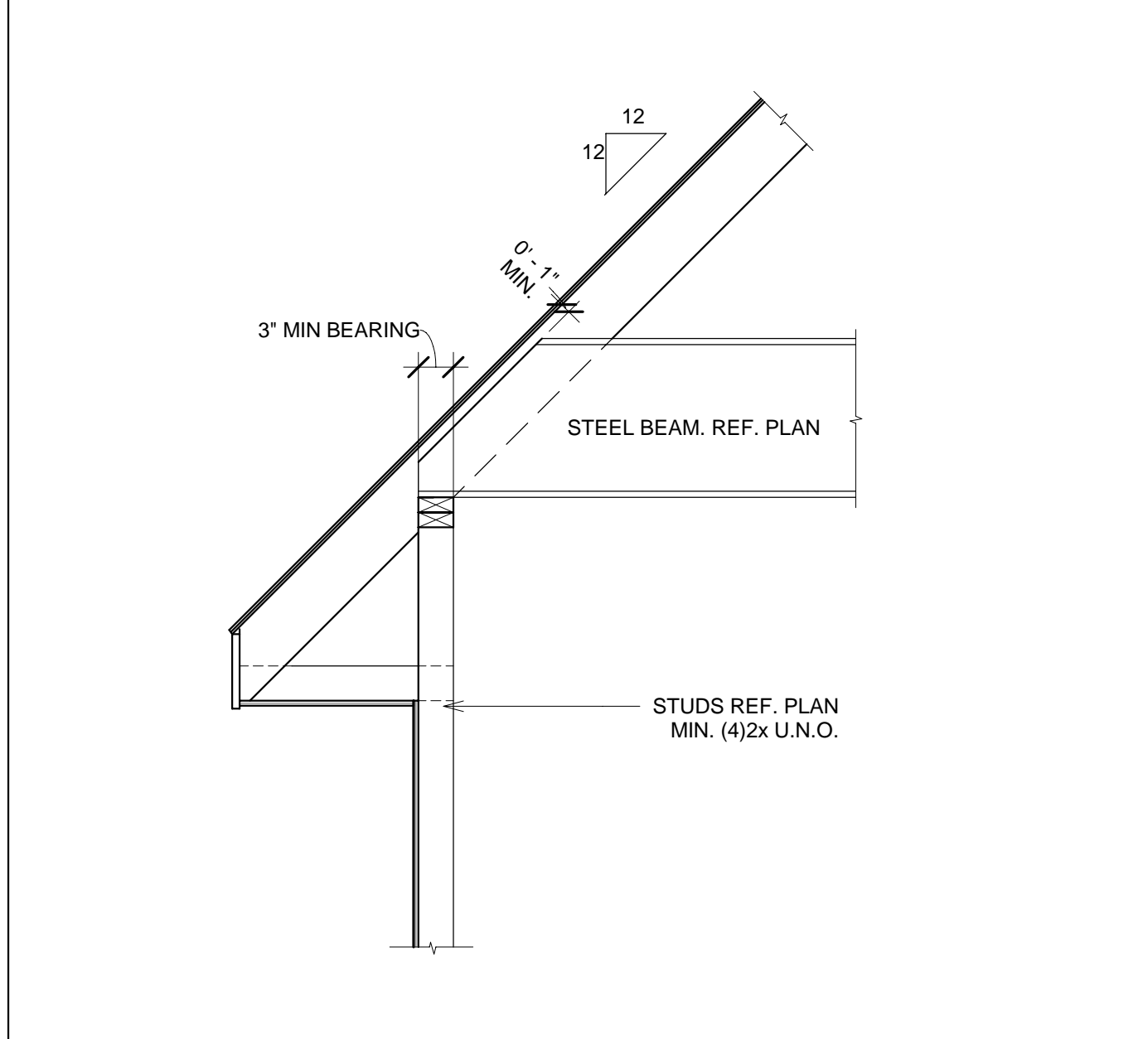
7 NOTCHING AND BORING WALLS  
 SCALE: 1/2" = 1'-0"



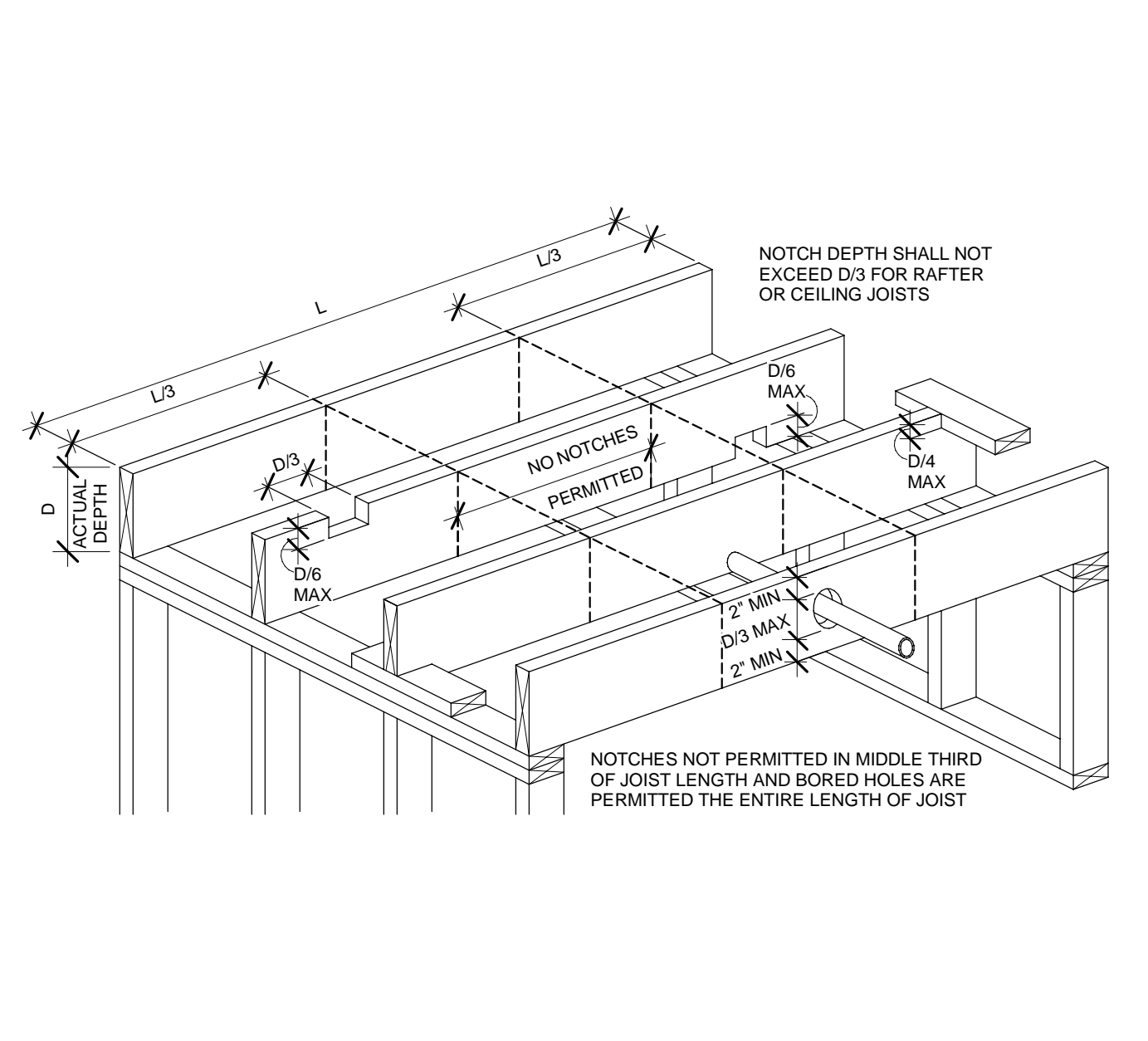
4 TYP WOOD BEAM PARALLEL TO WALL  
 SCALE: 3/4" = 1'-0"



3 TYP WOOD BEAM PERP TO WOOD BEAM  
 SCALE: 3/4" = 1'-0"



11 STEEL BEAM CLIPPED AT WOOD WALL  
 SCALE: 3/4" = 1'-0"

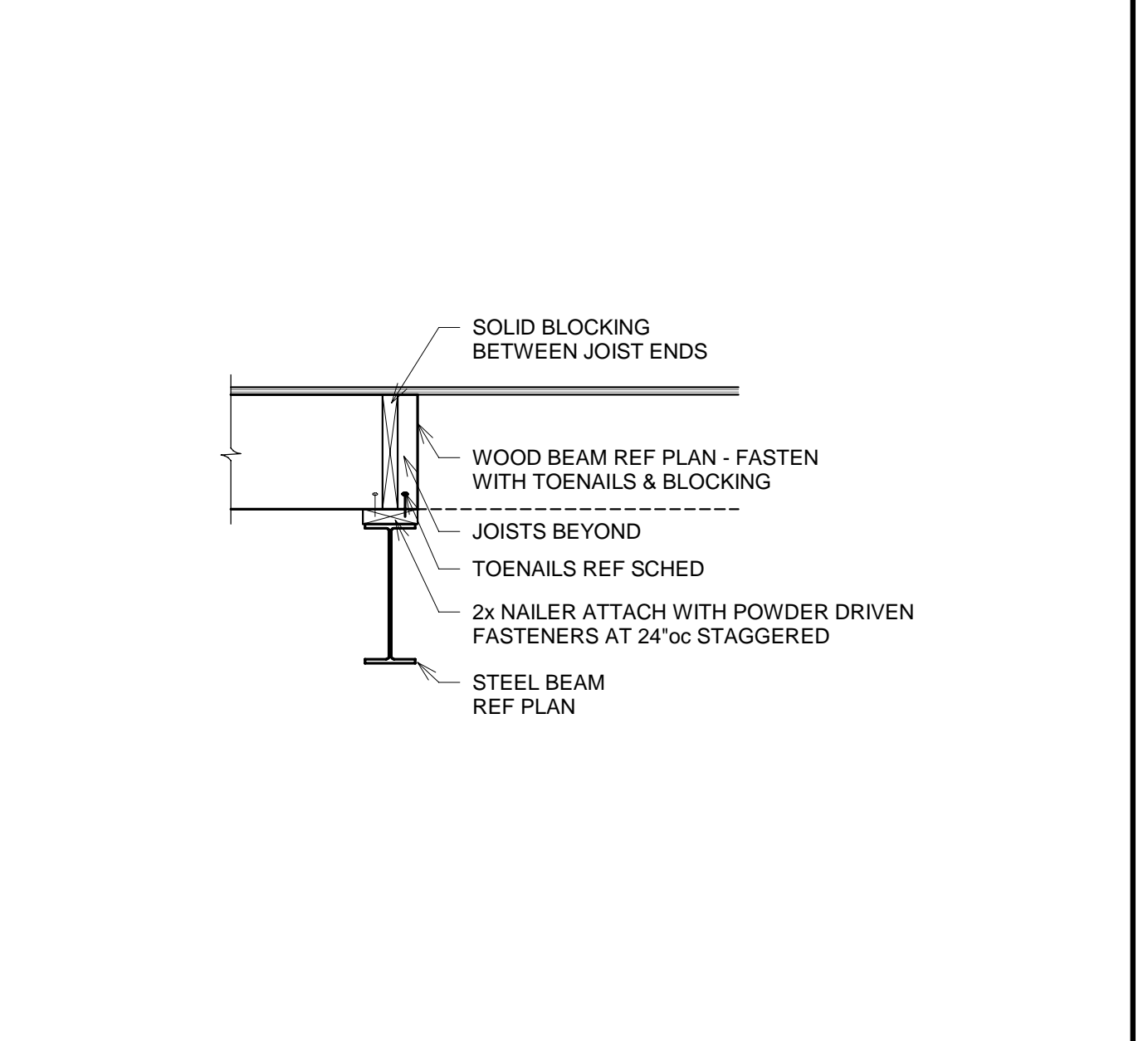


8 NOTCHING AND BORING CLG OR FLR JOISTS  
 SCALE: 1/2" = 1'-0"

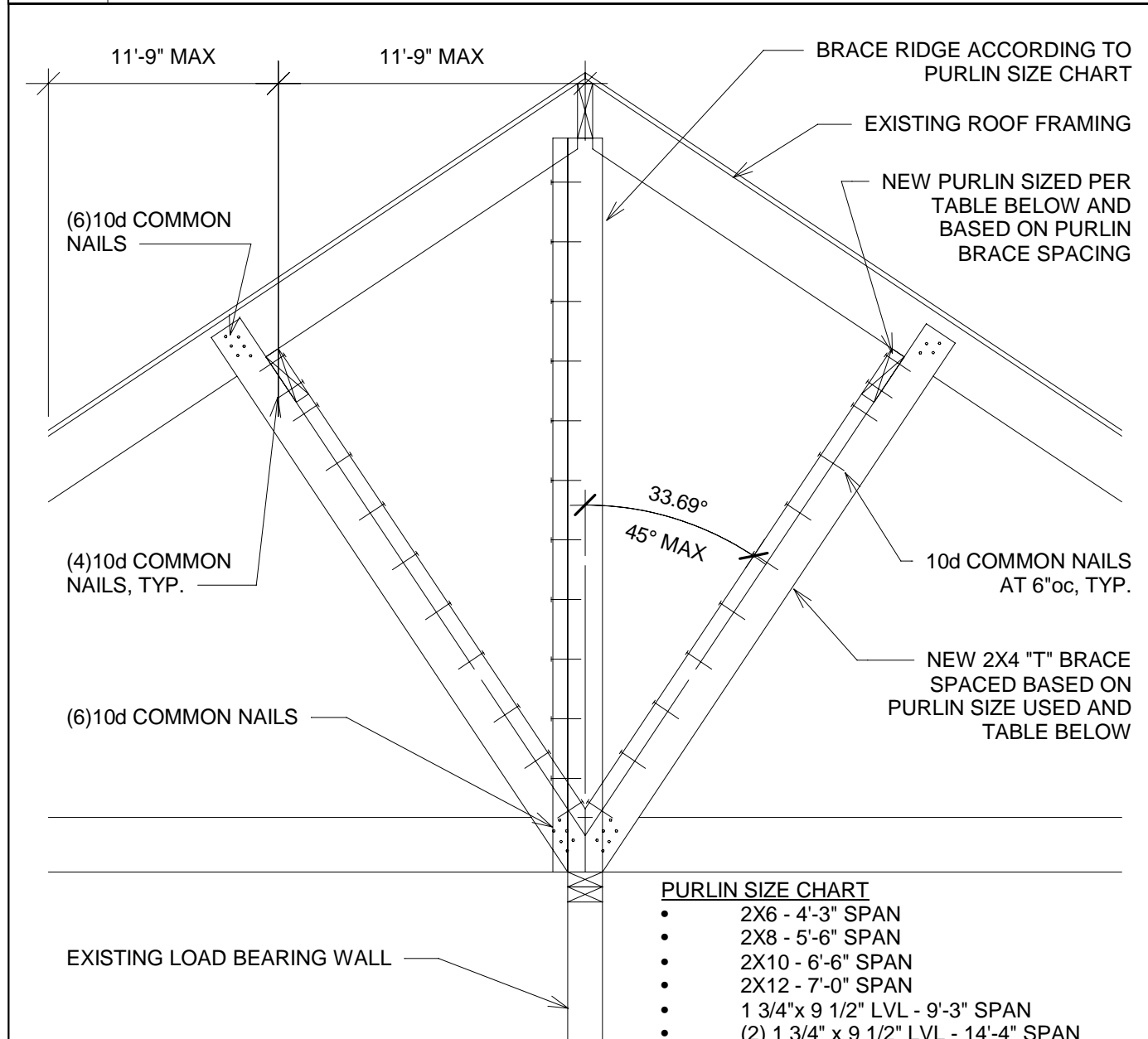
BEARING WALL HEADERS (CENTER BEARING FLOOR)					
INTERIOR WALL (1 FLOOR)			EXTERIOR WALL (ROOF ONLY)		
SPAN	SIZE	NO. J.S.	SPAN	SIZE	NO. J.S.
0'-0" - 4'-5"	(2) 2x8	2	0'-0" - 5'-4"	(2) 2x8	2
4'-6" - 5'-5"	(2) 2x10	2	5'-5" - 6'-6"	(2) 2x10	2
5'-6" - 6'-3"	(2) 2x12	2	6'-7" - 7'-6"	(2) 2x12	2
INTERIOR WALL (2 FLOORS)			EXTERIOR WALL (ROOF + FLOOR)		
0'-0" - 3'-2"	(2) 2x8	2	0'-0" - 4'-6"	(2) 2x8	2
3'-3" - 3'-10"	(2) 2x10	3	4'-7" - 5'-6"	(2) 2x10	2
3'-11" - 4'-5"	(2) 2x12	3	5'-7" - 6'-5"	(2) 2x12	2
EXTERIOR WALL (ROOF + 2 FLOORS)					
0'-0" - 3'-9"	(2) 2x8	2			
3'-10" - 4'-7"	(2) 2x10	2			
4'-8" - 5'-3"	(2) 2x12	2			

NOTE:  
 1. NOT FOR OPEN WEB TRUSS SYSTEMS  
 2. MAXIMUM JOIST SPAN OF 18FT  
 3. HEADERS SUPPORT FLOOR LOADS ONLY, NO ROOF LOADS

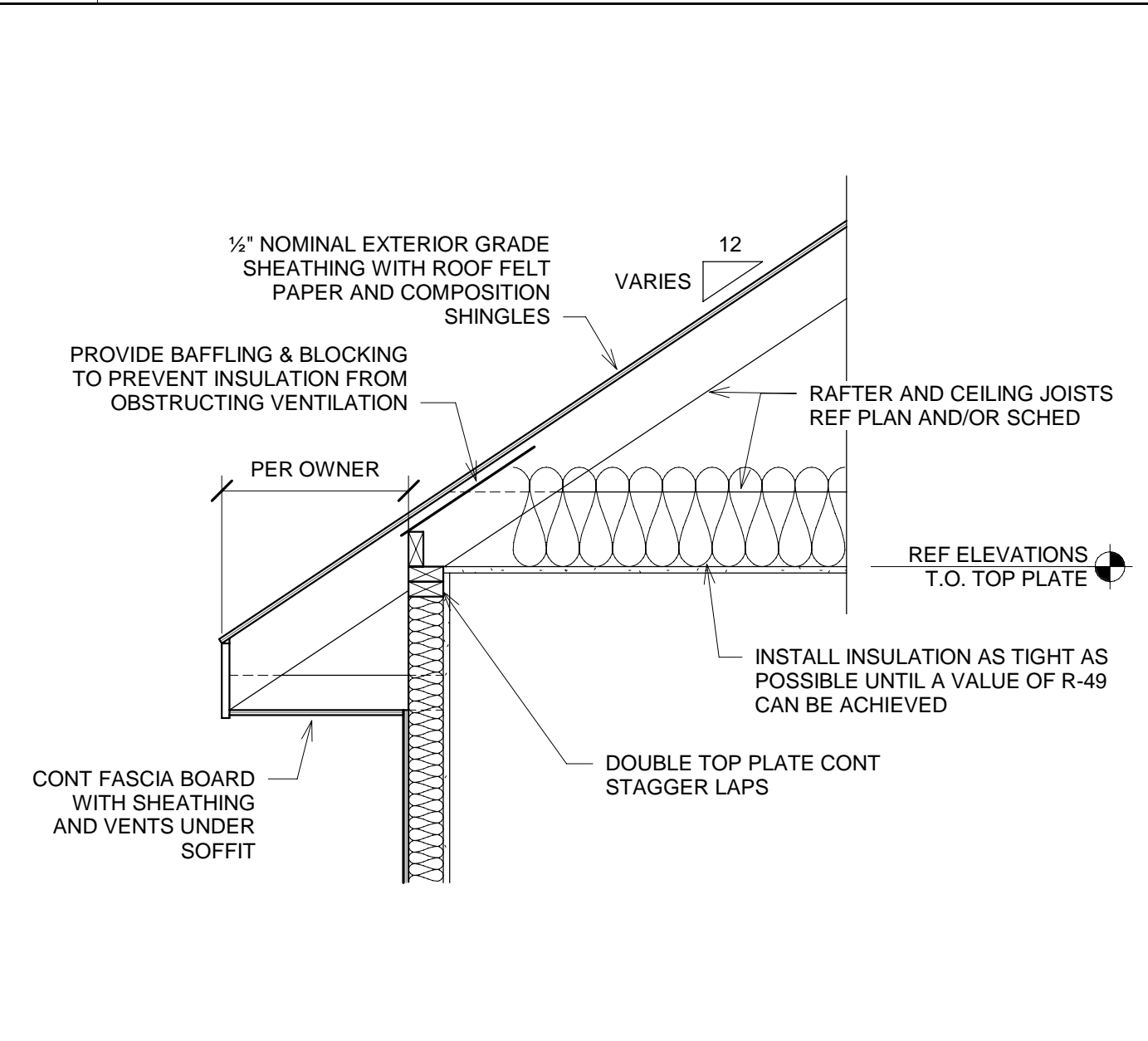
5 TYP WALL FRAMING DETAILS  
 SCALE: 3/4" = 1'-0"



2 WOOD BEAM OVER STEEL BEAM  
 SCALE: 3/4" = 1'-0"



12 PURLIN DETAIL  
 SCALE: 3/4" = 1'-0"



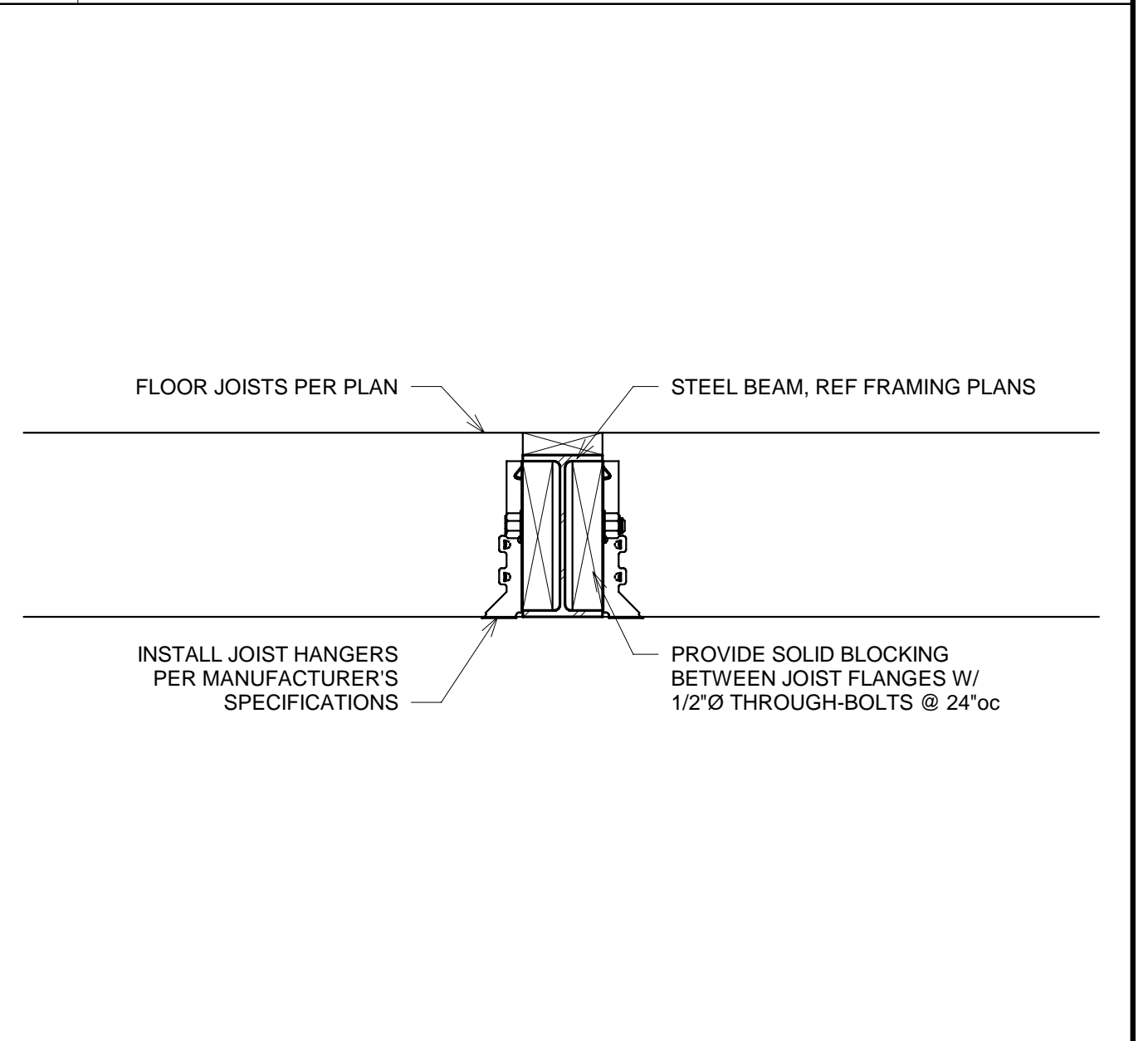
9 ROOF RAFTER BEARING  
 SCALE: 3/4" = 1'-0"

BUILT UP COLUMN NAILING SCHEDULE							
BUILT UP COLUMN	BUILT UP SECTION	PATTERN	END DISTANCE	EDGE DISTANCE	ROW SPACING	NAIL SPACING	NAIL SIZE
			D1	D2	D3	S	
BC1	(2) 2x6	2	2 1/2"	1 1/2"	2 1/2"	8"	10d
BC2	(3) 2x6	2	3 1/2"	1 1/2"	2 1/2"	8"	30d
BC3	(4) 2x6	2	4"	1 1/2"	2 1/2"	8"	50d
BC4	(2) 2x4	1	2 1/2"	1"	---	6"	10d
BC5	(3) 2x4	1	3 1/2"	1 1/2"	---	8"	30d

1. ADJACENT NAILS ARE DRIVEN FROM OPPOSITE SIDES OF THE COLUMN.  
 2. CONTRACTOR MAY SUBSTITUTE 1 1/2" BOLTS W/ METAL PLATE OR WASHERS IN PLACE OF 30d & 50d NAILS.  
 3. CONTRACTOR SHALL PRE-DRILL STUDS W/ 1/8" DRILL BIT WHEN USING 30d & 50d NAILS TO PREVENT SPLITTING.  
 4. ALL BUILT UP COLUMNS SHALL EXTEND TO THE ROOF TRUSSES.

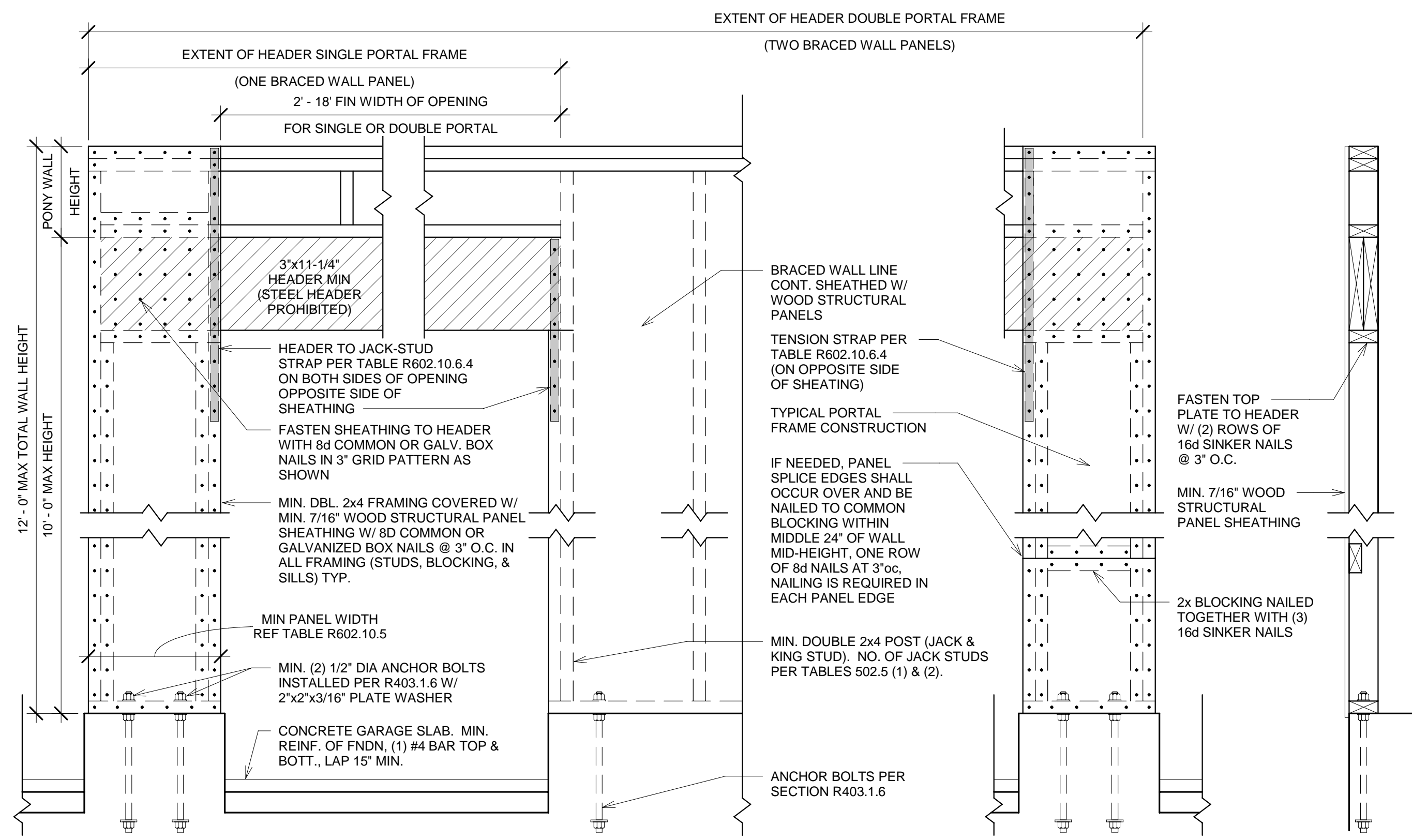
○ -- INDICATES NAILS DRIVEN FROM NEAR FACE  
 + -- INDICATES NAILS DRIVEN FROM FAR FACE

6 BUILT UP COLUMN SCHEDULE  
 SCALE: 3/4" = 1'-0"

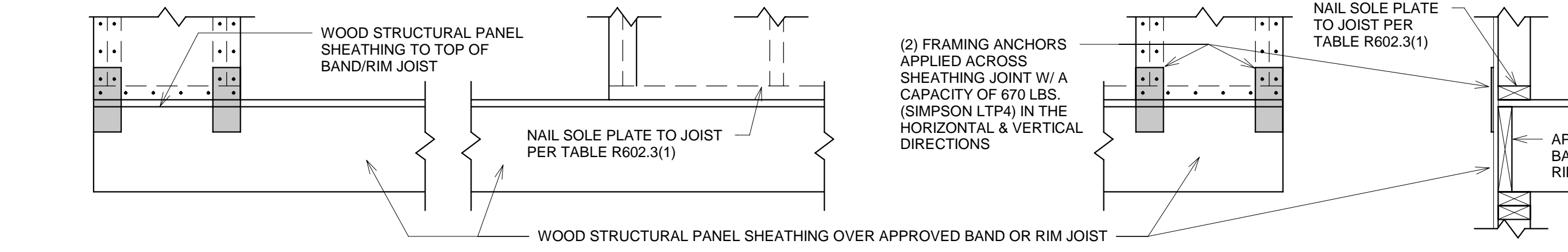


1 UPSET STEEL BEAM  
 SCALE: 3/4" = 1'-0"

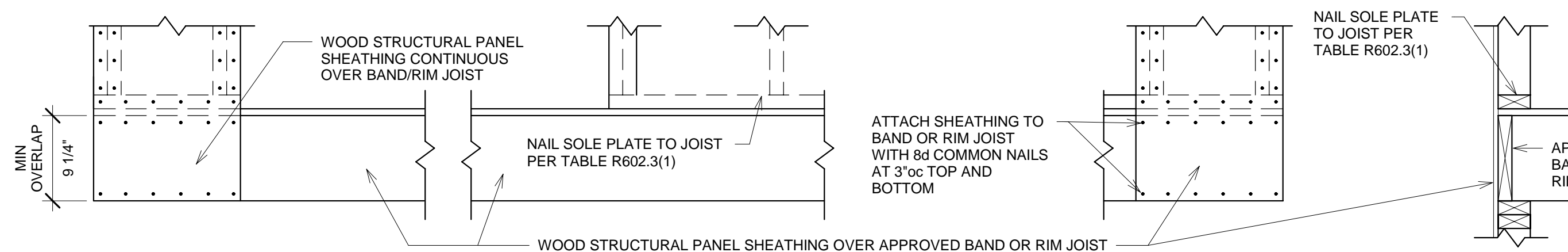




OVER CONCRETE OR MASONRY BLOCK FOUNDATION



OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION (WHEN PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST)



OVER RAISED WOOD FLOOR - OVERLAP OPTION (WHEN PORTAL SHEATHING LAPS OVER BAND OR RIM JOIST)

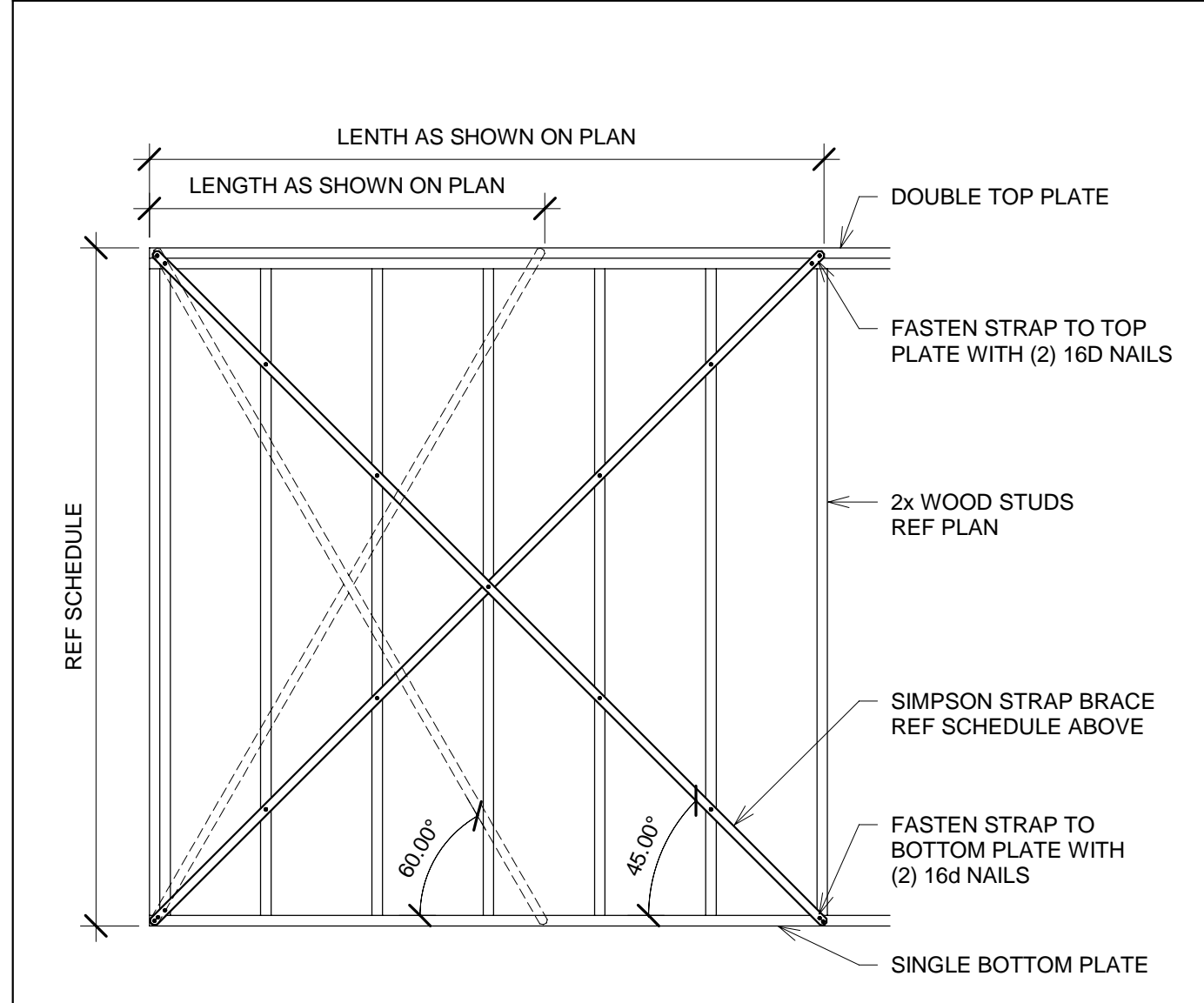
1 Method CS-PF Continuous Sheathed Portal Frame Panel (R602.10.6.4)

TABLE R602.10.5 - MINIMUM LENGTH OF BRACED WALL PANELS						
METHOD	SUPPORTING ROOF ONLY	WALL LENGTH PER PORTAL HEADER HEIGHT				
		8 FEET	9 FEET	10 FEET	11 FEET	12 FEET
PFH	SUPPORTING ROOF ONLY	16'	16'	16'	(c)	(c)
	SUPPORTING ONE STORY AND ROOF	24'	24'	24'	(c)	(c)
PFG		24'	27'	30'	(d)	(d)
CS-PF	SEISMIC DESIGN CATEGORY A,B,C	16'	16'	16'	(c)	(c)
	SEISMIC DESIGN CATEGORY D <sub>1</sub> , D <sub>2</sub>	24'	24'	24'	(c)	(c)

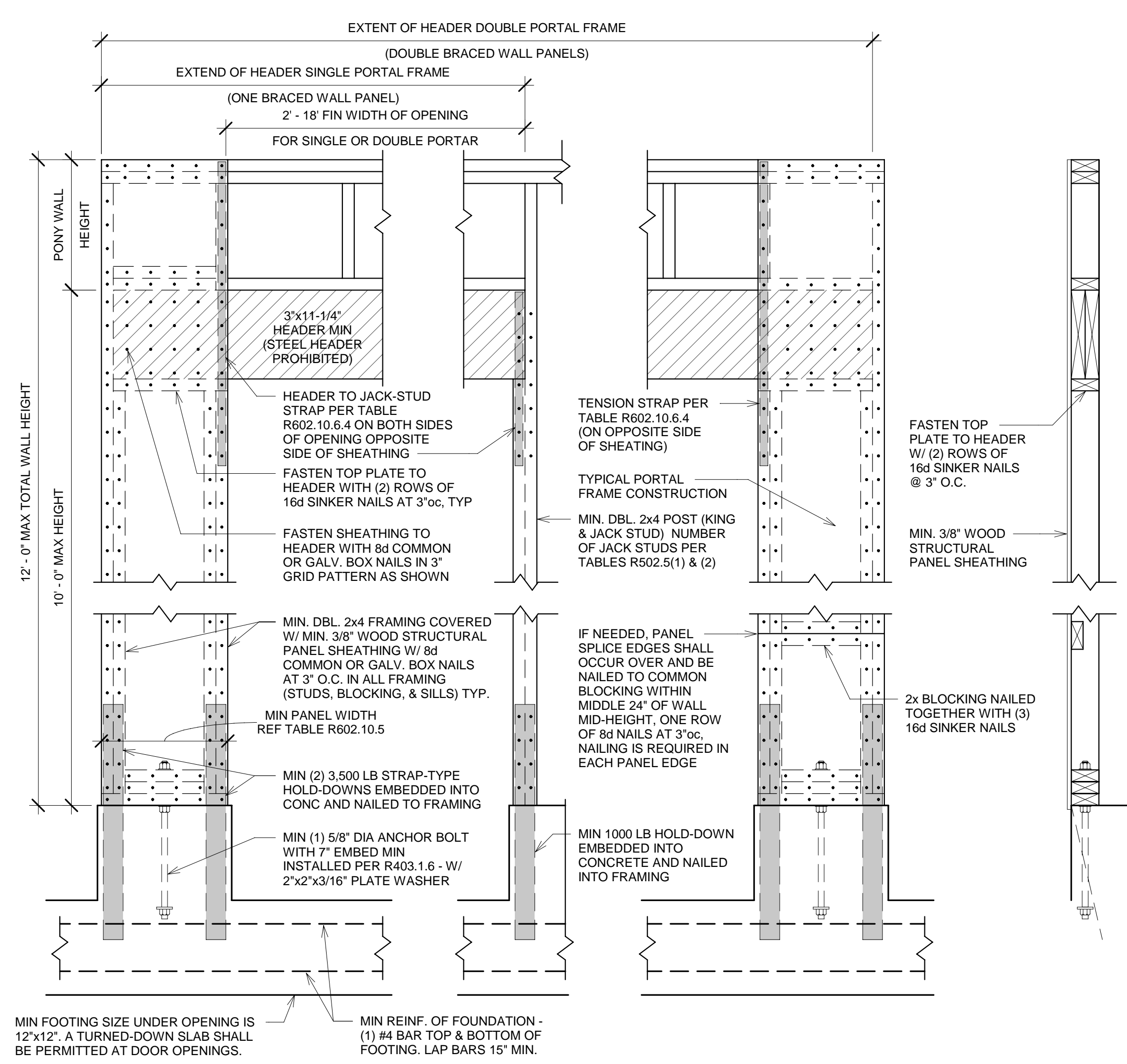
(c) MAXIMUM HEADER HEIGHT FOR PFH IS 10 FEET IN ACCORDANCE WITH FIGURE R602.10.6.2, BUT WALL HEIGHT MAY BE INCREASED TO 12 FEET WITH PONY WALL.

(d) MAXIMUM HEADER 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.

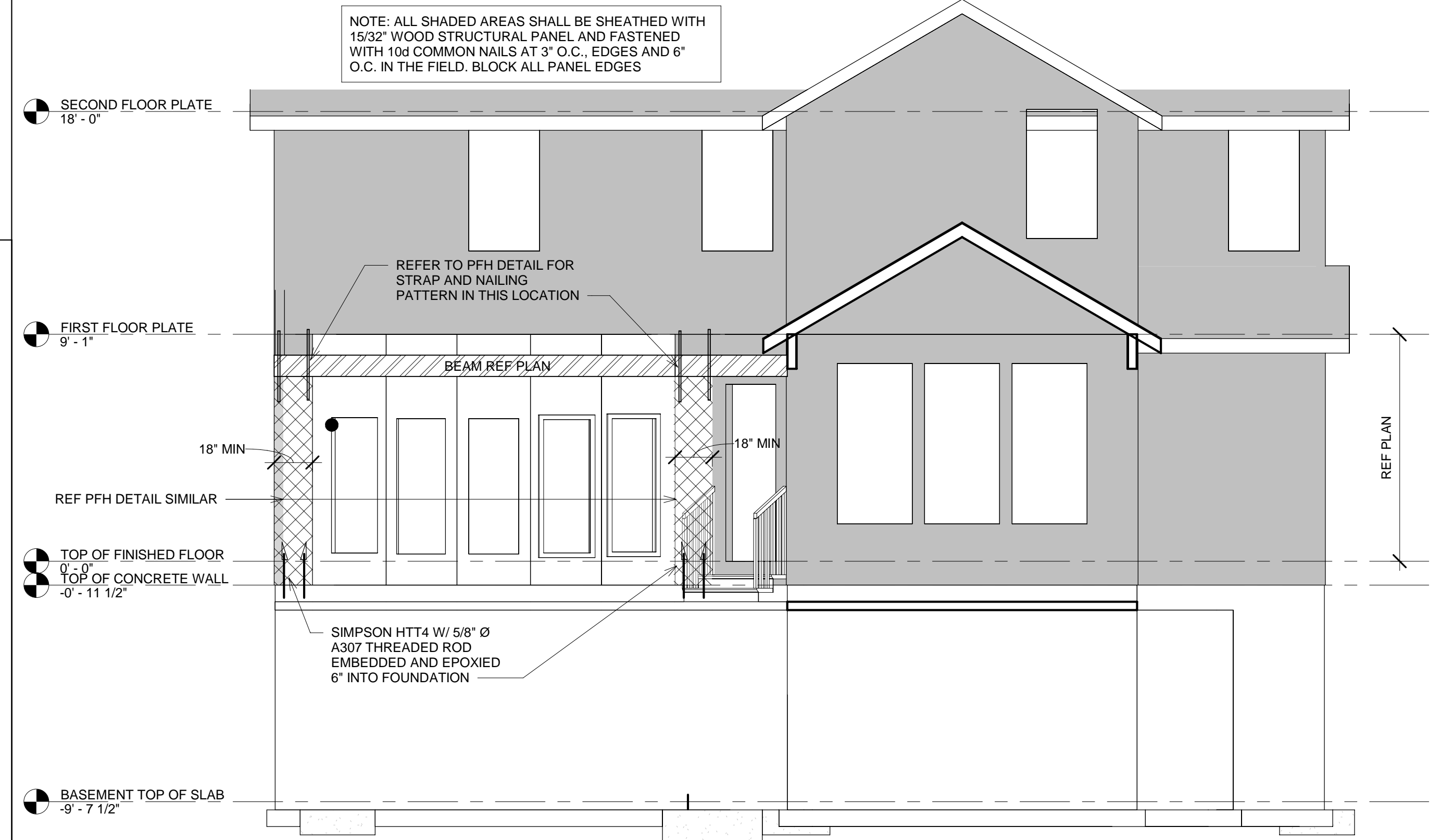
(e) MAXIMUM HEADER HEIGHT FOR CS-PF IS 10 FEET IN ACCORDANCE WITH FIGURE R602.10.6.4, BUT WALL HEIGHT MAY BE INCREASED TO 12 FEET WITH PONY WALL.



4 INTERIOR BRACED WALL (LIB) SCALE: 1" = 1'-0"



2 METHOD PFH (R602.10.6.2) SCALE: 1" = 1'-0"



3 ENGINEERED WALL BRACING AT BACK ELEVATION SCALE: 1/4" = 1'-0"

ISSUES & REVISIONS		
#	DATE	DESCRIPTION
	3/21/2025	City Comment

DRAWN BY: MLR  
 CHECKED BY: BSS  
 ISSUED FOR:

SHEET TITLE  
 DETAILS

SHEET NUMBER  
**S505**