

THE LEXINGTON II

2354 SW Hickory Lane
Lee's Summit, Missouri 64064

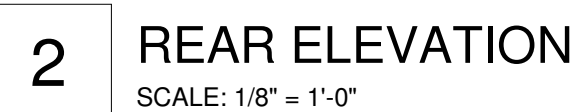
McFarland Dalton Builders L.L.C.

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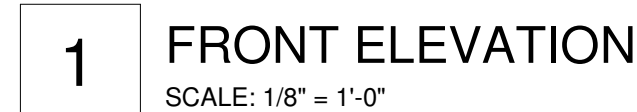
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COVER SHEET

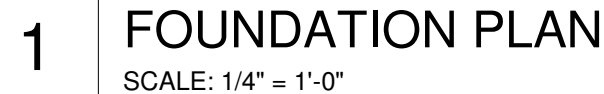
A100



SQUARE FOOTAGES	
Name	Area
FIRST FLOOR	1217 S
SECOND FLOOR	1493 S
GARAGE	643 S
UNFINISHED BASEMENT	1089 S
	4442 S



RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/02/2024 5:14:33



- | RESIDENTIAL BASEMENT WALL NOTES: | | | | | |
|----------------------------------|--|-------------|-------------------|-------------|-------------|
| 1. | HORIZONTAL REINFORCING FOR CONCRETE FOUNDATION WALLS SHALL BE #4S AT 24" OC. | | | | |
| 2. | VERTICAL REBAR SPACING FOR CONCRETE FOUNDATION WALLS SHALL BE PER THE TABLE BELOW: | | | | |
| | 60 KSI REINFORCING | | 40KSI REINFORCING | | |
| | WALL THICK | 8" | 10" | 8" | 10" |
| | 6" OR LESS | #4 @ 36" OC | #4 @ 36" OC | #4 @ 36" OC | #4 @ 36" OC |
| | | #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 @ 20" OC | #4 @ 12" OC | #4 @ 15" OC |
| | 10" | #4 @ 12" OC | #4 @ 16" OC | #4 @ 8" OC | #4 @ 12" OC |
| a. | MINIMUM REQUIREMENT FOR VERTICAL REBAR IN PLAIN CONCRETE WALLS IS #4 BARS @ 36" O.C. (ACI 318). | | | | |
| b. | VERTICAL BARS SHALL BE CONTINUED TO WITHIN 4" OF THE TOP OF THE WALL. | | | | |
| c. | REBAR SHALL BE POSITIONED AT THE TENSION FACE OF THE WALL 2" FROM THE INSIDE FACE. | | | | |
| d. | REINFORCEMENT SHALL LAP A MINIMUM OF 24" AT ENDS, SPLICES, AND AROUND CORNERS. | | | | |
| e. | DESIGN BY A PROFESSIONAL ENGINEER IS REQUIRED FOR WALLS OVER 10' IN HEIGHT. | | | | |
| 2. | BARS SHALL LAP AT A MINIMUM OF 48 BAR DIAMETERS AT ENDS, SPLICES AND AROUND CORNERS. UNLESS OTHERWISE NOTED ON THESE DRAWINGS. | | | | |
| | CONTINUOUS WALL FOOTINGS SHALL BE CONTINUED TO WITHIN 4" OF 16" AND 8" DEEP WITH (2) #4 BARS CONTINUOUS FOR 8" THICK WALLS, U.N.O. 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" O.D. X 1/2" LONG ANCHOR BOLTS (7" EMBEDMENT) AT 3' 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 OF WALLS 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 FRAMING. 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. REFT YP DEADMAN DETAIL. | | | | |
| | FOUNDATION WALLS SHALL BE DESIGN FOR AN EQUIVALENT FLUID PRESSURE (EPF) 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 DAM PROOFED FROM THE TOP OF THE FOOTING TO THE FINISH GRADE WITH A BUTYLOME COATING IN ACCORDANCE WITH SECTION R401.1. | | | | |
| | 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 E308.01. | | | | |



NORTON SCHMIDT
Consulting Engineers

311 East 11th Avenue
North Kansas City, MO 64116
Phone: (816) 421-4232
www.nortonschmidt.com

PROJECT INFORMATION

THE LEXINGTON II

2354 SW Hickory Lane
Lee's Summit, Missouri 64066

McFarland Dalton Builders L.L.C.

[illegible]

DRAWN BY: MLR
CHECKED BY: BSS
ISSUED FOR:

SHEET TITLE
FOUNDATION PLAN

SHEET NUMBER

S100

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LEE'S SUMMIT, MISSOURI
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ISSUES & REVISIONS

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DRAWN BY: MLF

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ISSUED FOR

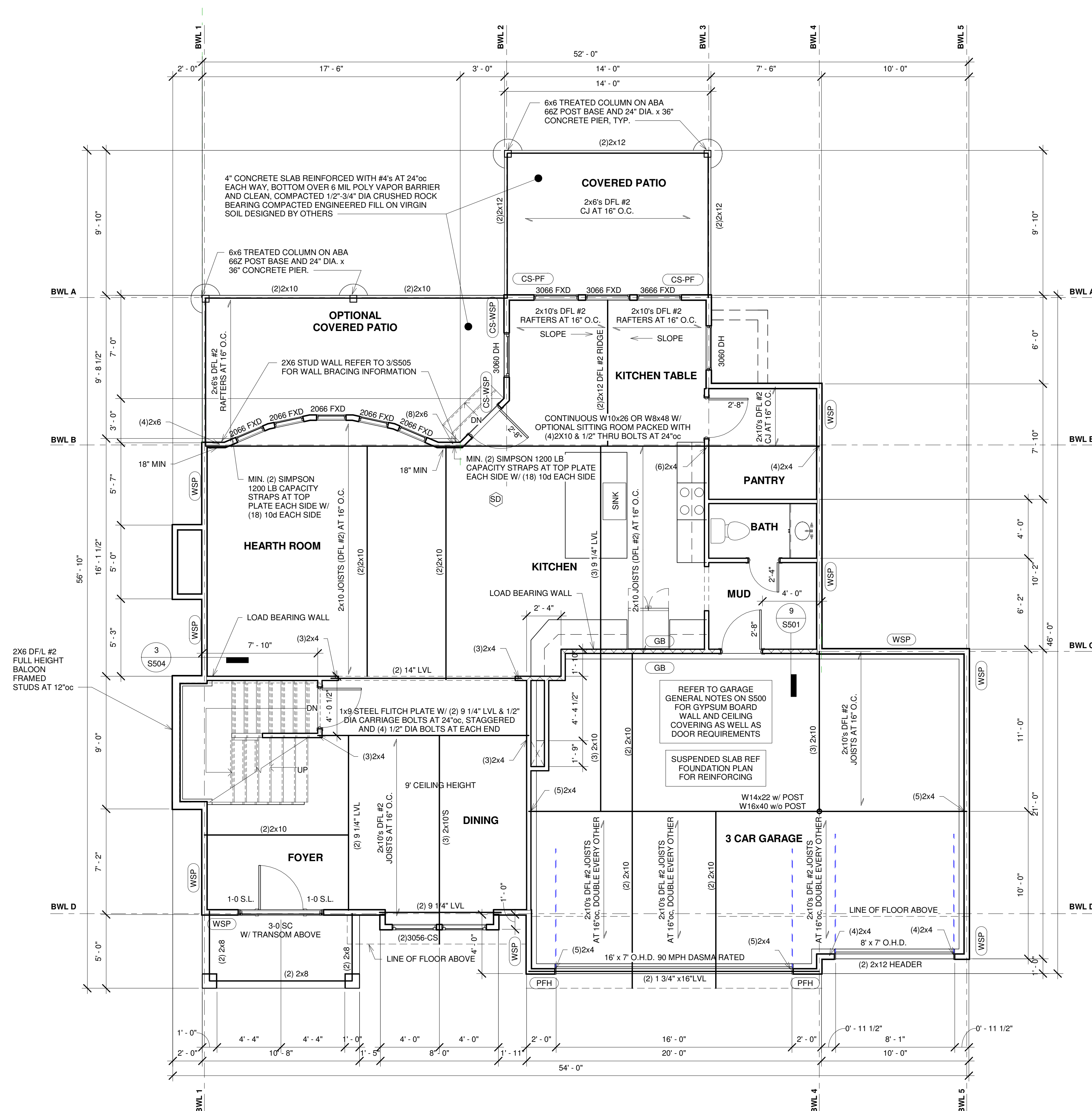
SHEET TITLE

FIRST FLOOR FRAMING PLAN

SHEET NUMBER

S101

RELEASE FOR CONSTRUCTION
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
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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, FASTENED WITH 6d COMMON NAILS (131°/2x2" 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.

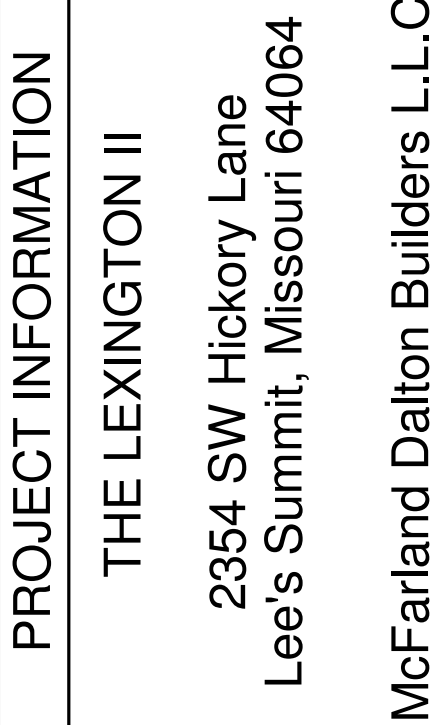
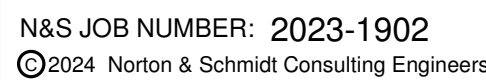
GB - GYPSUM BOARD: 1/2" GYPSUM BOARD WITH 13 GAGE, 1 3/8" LONG, 19/64" HEAD; 0.098" DIA, 1 3/8" LONG, ANNULAR-RINGED; 6d COOLER NAIL, 0.092" DIA, 1 7/8" LONG, 1/4" HEAD; OR GYPSUM BOARD NAIL, 0.0915" DIA, 1 7/8" LONG, 19/64" HEAD; TYPE W OR TYPE S SCREWS; AT 7"oc EDGES & 7"oc FIELD

**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 4'0" ALONG EDGES AND 8" AT INTERMEDIATE SUPPORTS.



#	DATE	DESCRIPTION
1	9/12/2023	PERMIT
2	01/04/2024	SITE ADAPTATION

CHECKED BY: BS

SHEET TITLE

ROOF FRAMING PLAN

SHEET NUMBER

S103

1 ROOF FRAMING PLAN

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



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 NOMINAL EDGE JOISTS.
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 BRACING W/IN CEILING CRAWL SPACE.
5. PROVIDE SOFFIT, RIDGE, AND GABLE END VENTS AS REQUIRED TO PROVIDE ADEQUATE VENTILATION FOR ROOF.
6. 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.
7. PROVIDE DOWNSPOUTS, AND SLOSH BLOCKS SHALL BE PROVIDED TO INSURE ALL ROOF DRAINAGE IS DIRECTED 5" FEET MINIMUM FROM HOUSE BEFORE TOUCHING SOIL.
8. ALL GABLE END WALL FRAMING SHALL BE 2x4 DOUGL FIR NO. 2.
9. PROVIDE PROPER CEILING INSULATION AS REQUIRED BY GOVERNING BUILDING CODE.

NOTE:

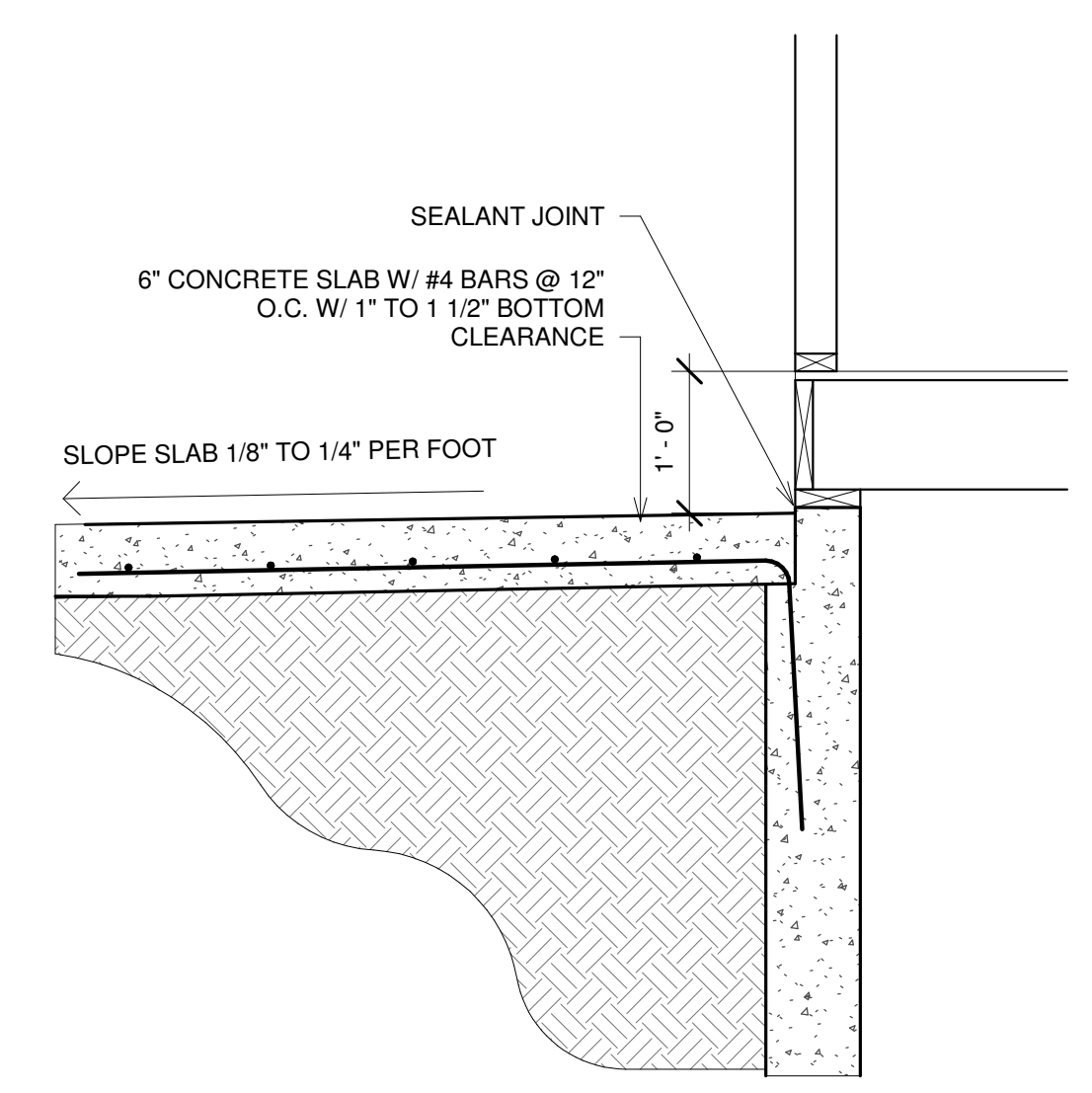
- RAFTERS TO BE 2x6 DF-L No. 2 AT 16" O.C. U.N.O.
- HIP, VALLEY, AND RIDGE MEMBERS SHALL BE (1)2x8 DF-L No. 2 U.N.O.
- REF. 12/S503 FOR PURLING BRACING

ISSUES & REVISIONS		
#	DATE	DESCRIPTION
1	9/12/2023	PERMIT
2	01/04/2024	SITE ADAPTATION

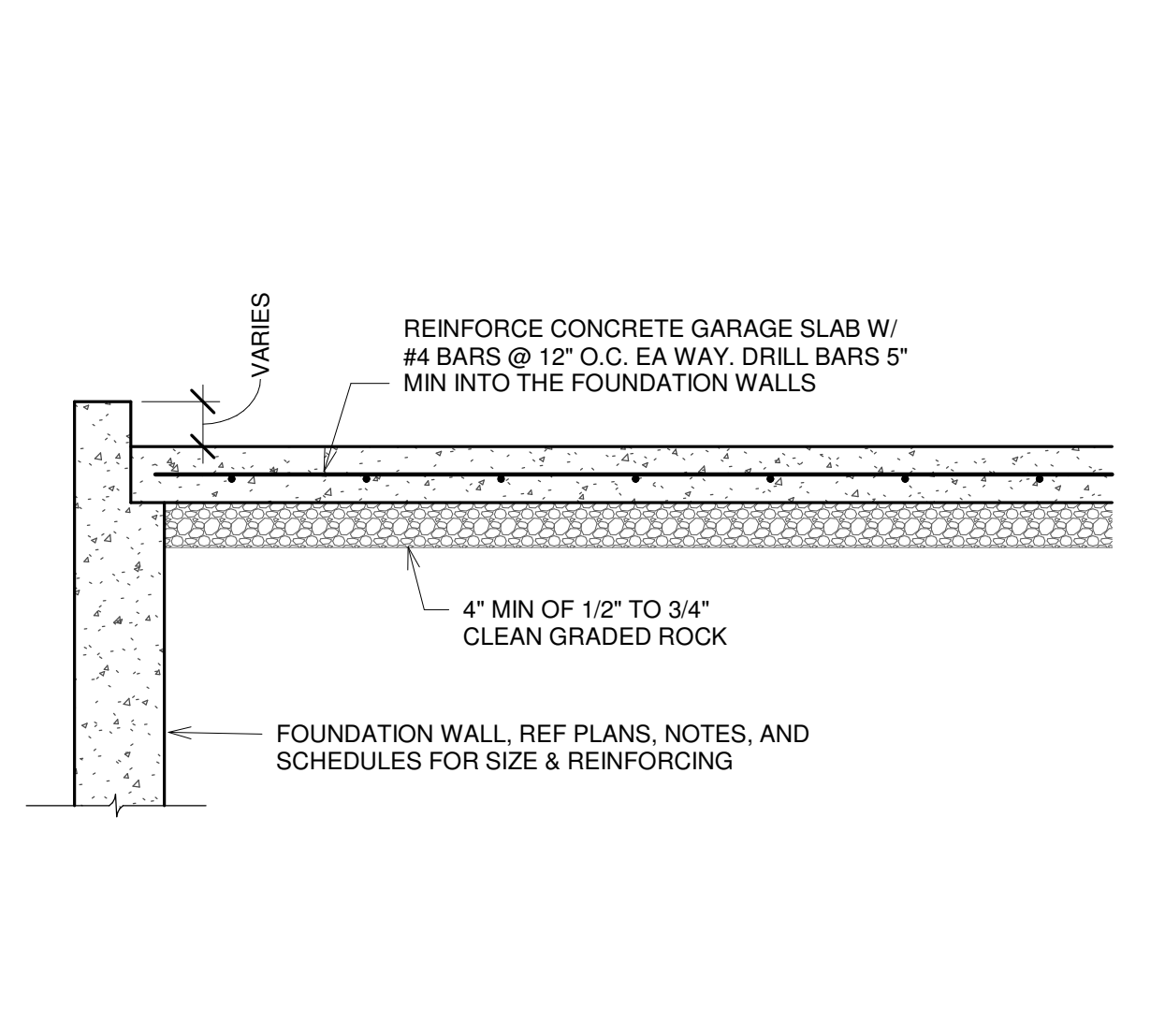
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ISSUED FOR:

SHEET TITLE
DETAILS

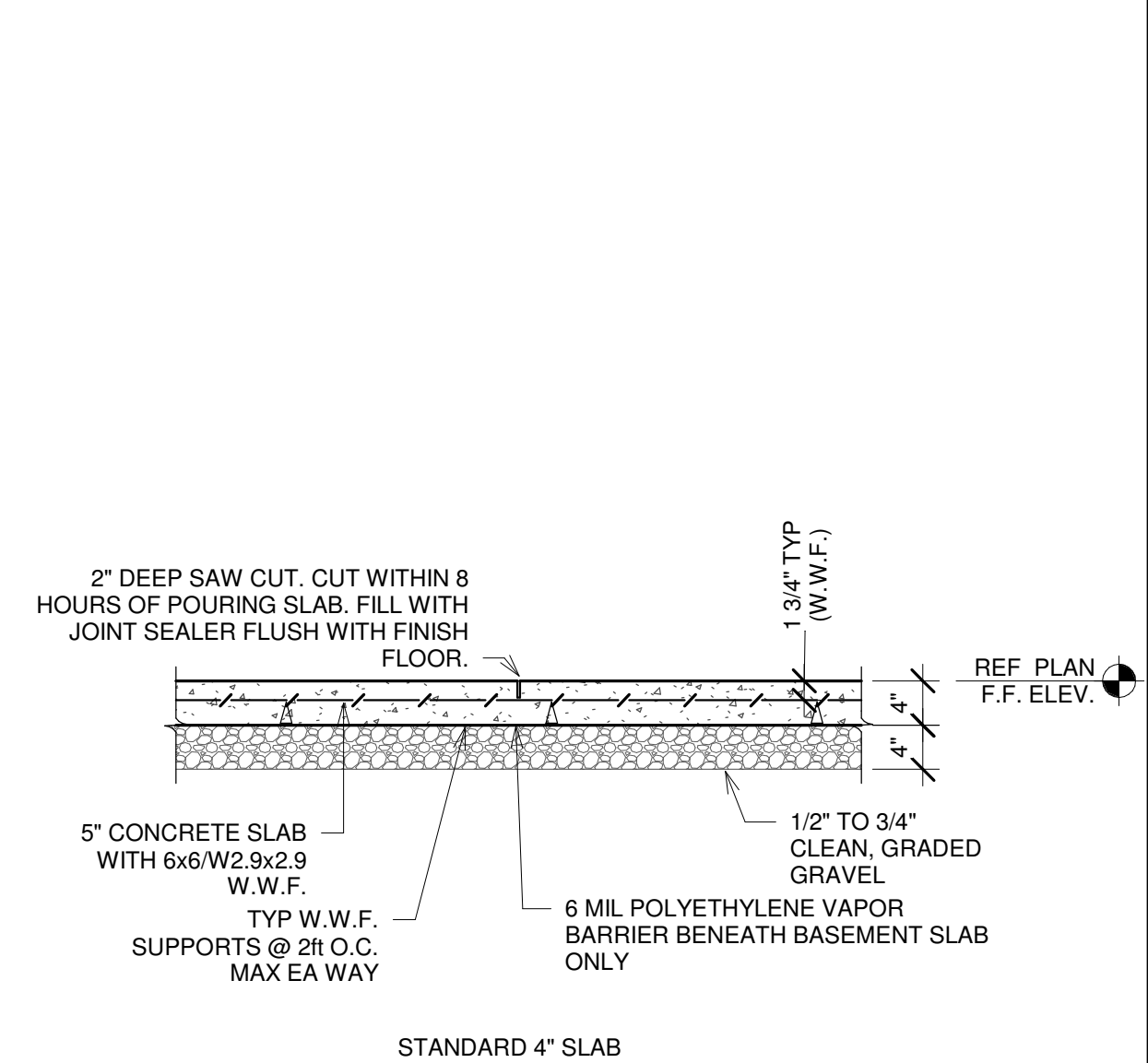
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S501



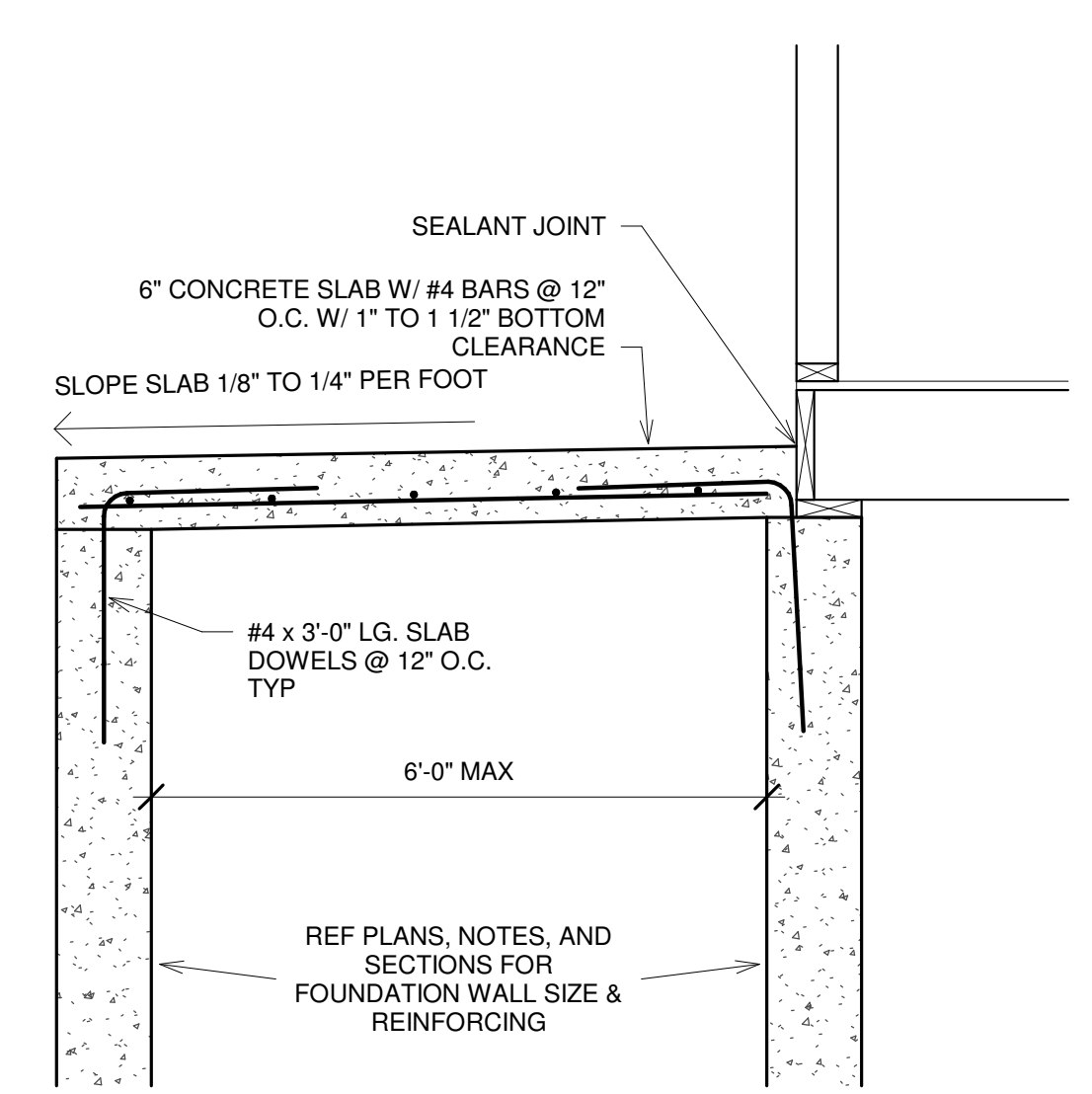
9 SLAB AT GARAGE
SCALE: 3/4" = 1'-0"



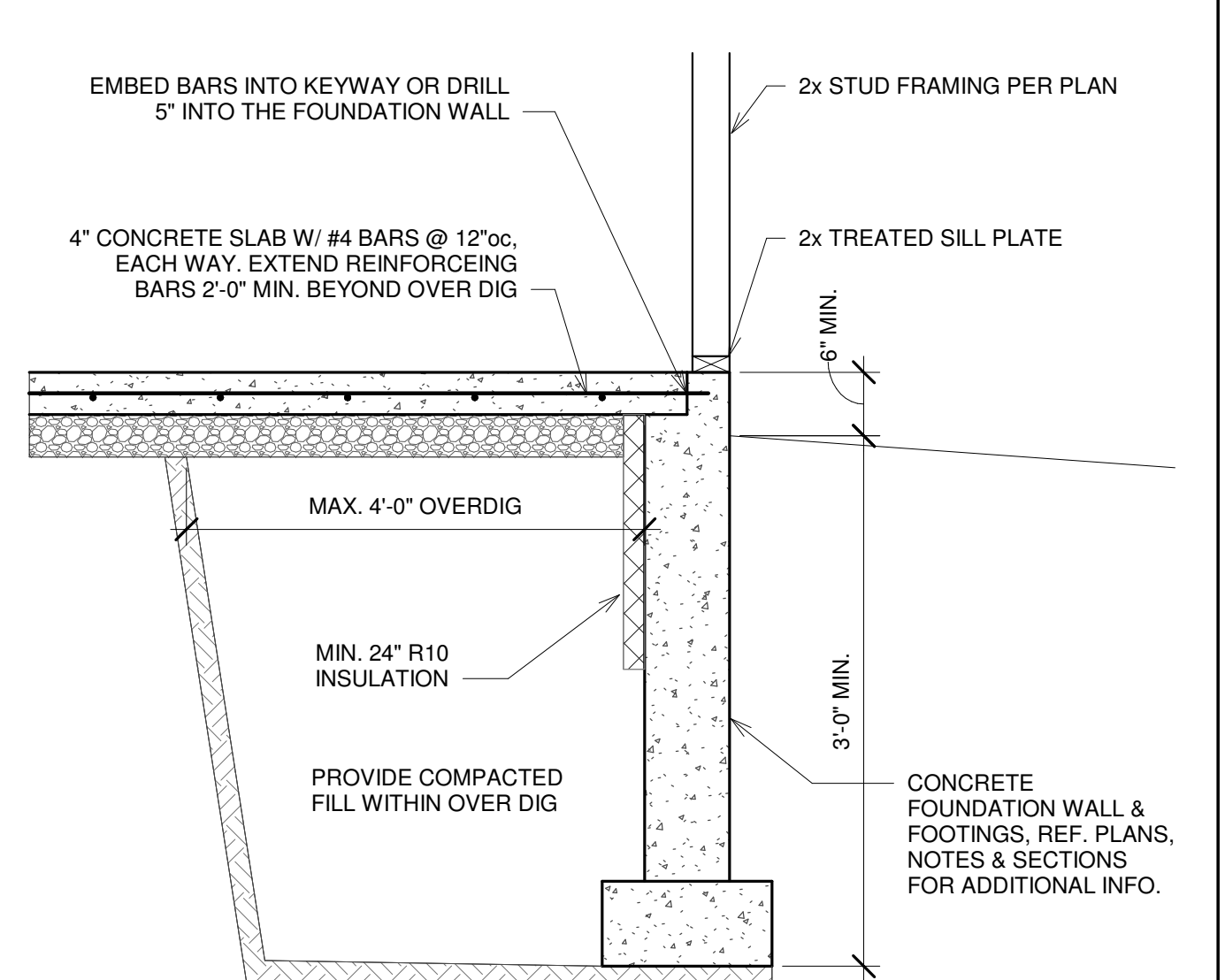
6 GARAGE WALL/SLAB SECTION
SCALE: 3/4" = 1'-0"



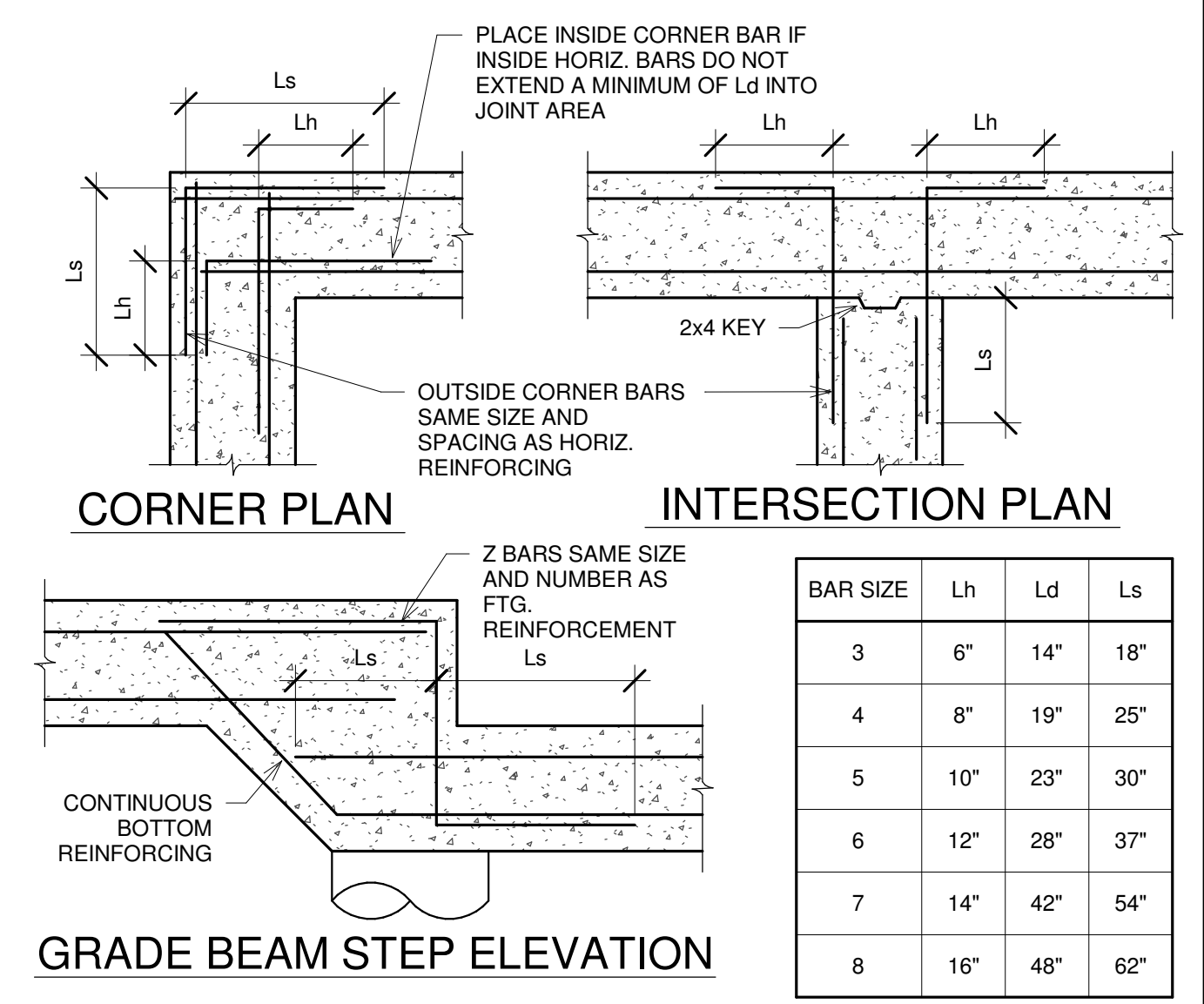
3 STANDARD SLAB DETAILS
SCALE: 3/4" = 1'-0"



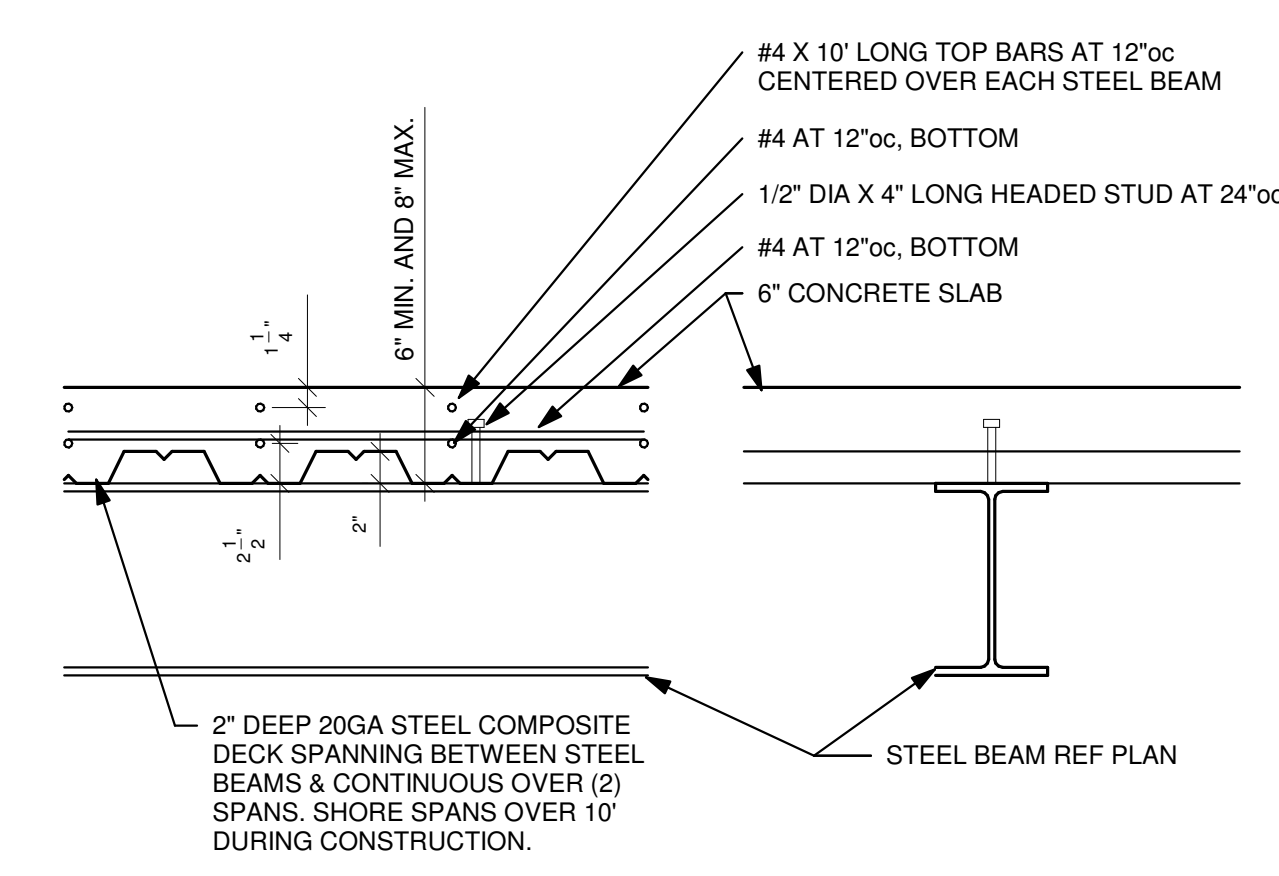
8 SUSPENDED PORCH STOOP
SCALE: 3/4" = 1'-0"



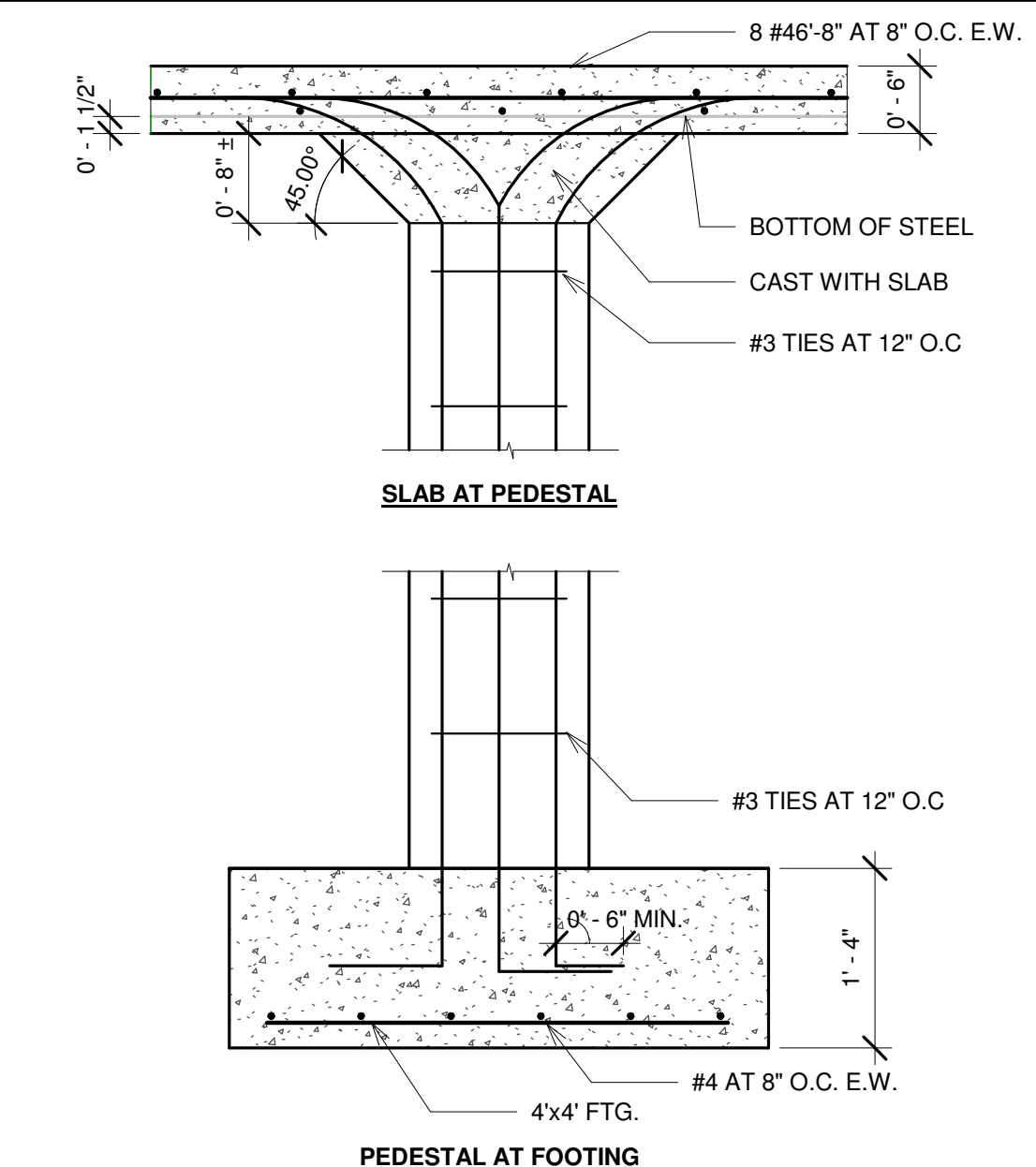
5 OVER DIG SECTION AT BASEMENT SLAB
SCALE: 3/4" = 1'-0"



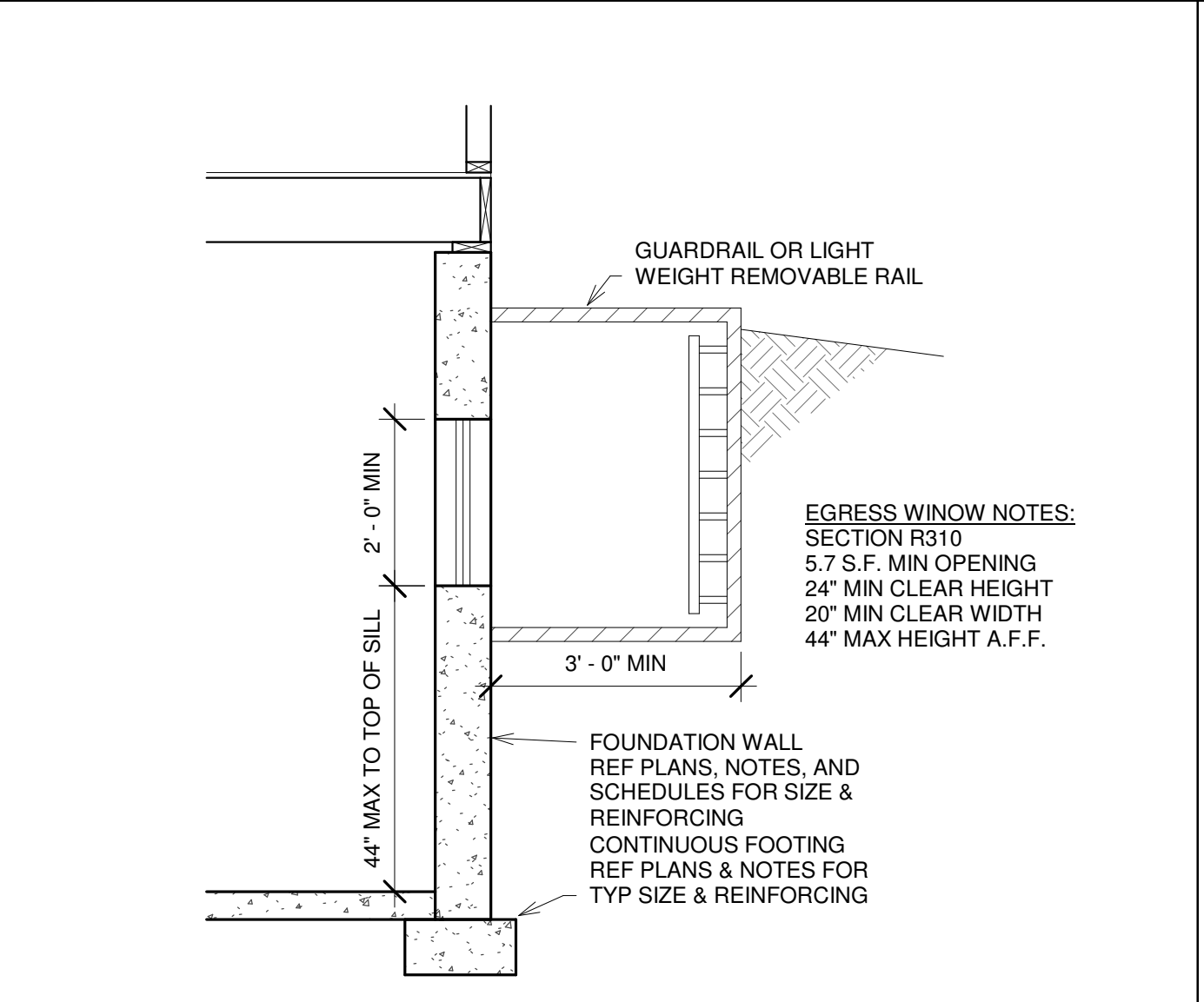
2 TYP WALL AND GRADE BEAM DETAILS
SCALE: 3/4" = 1'-0"



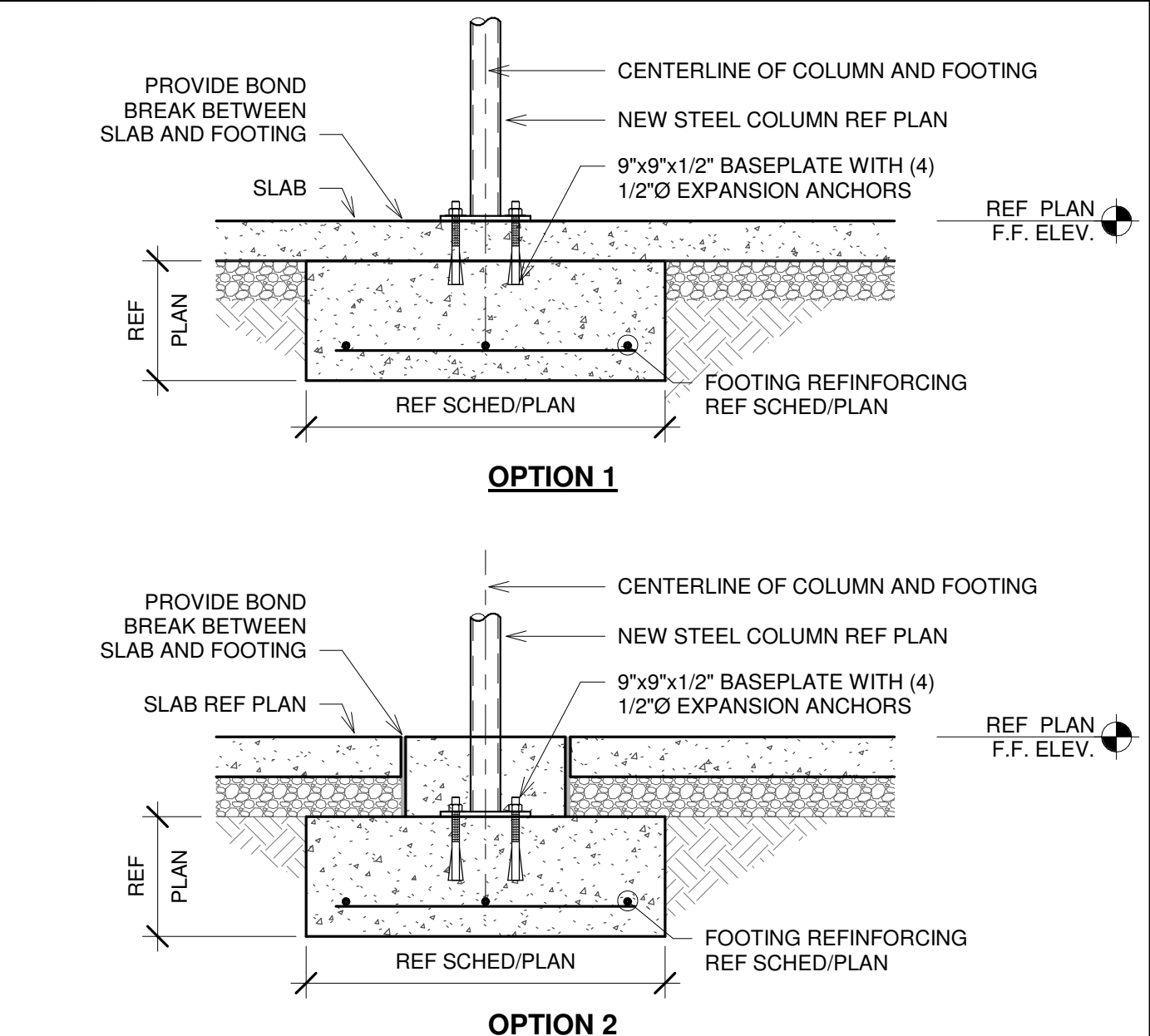
10 TYPICAL SUSPENDED SLAB
SCALE: 1" = 1'-0"



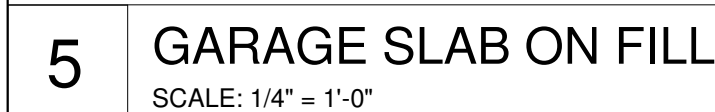
7 PEDESTAL AT GARAGE SLAB ON FILL
SCALE: 3/4" = 1'-0"



4 TYP EGRESS WINDOW SECTION
SCALE: 1/2" = 1'-0"



1 TYP COLUMN FOOTING
SCALE: 3/4" = 1'-0"



RAFTER SLOPE	RAFTER SPACING	GROUND SNOW LOAD (PSF)											
		30				50				70			
		ROOF SPAN (FEET)											
		12	20	28	36	12	20	28	36	12	20	28	36
		REQUIRED NUMBER OF 16d COMMON NAILS(a,b) PER HEEL JOINT SPLICES (c,d,e,f)											
3:12	12 16 24	4 5 7	6 8 11	8 11 16	11 14 21	5 6 9	8 11 16	12 15 23	15 20 30	6 8 12	11 14 21	15 18 30	20 26 39
4:12	12 16 24	3 4 5	5 6 9	6 8 12	8 11 16	4 5 7	5 8 12	9 12 17	11 15 22	6 8 9	8 11 16	12 15 23	15 18 29
5:12	12 16 24	3 3 4	4 5 7	4 7 10	5 9 13	7 9 13	3 4 6	5 7 10	7 9 14	9 12 18	5 9 13	7 10 18	9 12 26
7:12	12 16 24	3 3 3	3 4 5	3 5 7	4 6 9	5 6 9	3 4 7	4 5 10	5 7 13	7 9 15	3 5 9	5 8 13	7 9 17
9:12	12 16 24	3 3 3	3 3 4	3 4 6	3 5 7	4 5 7	3 4 6	3 4 6	4 5 10	5 7 10	3 4 7	4 5 10	5 7 13
12:12	12 16 24	3 3 3	3 3 3	3 3 4	3 3 6	3 4 6	3 3 6	3 4 6	4 5 8	3 4 6	3 3 6	4 5 8	5 7 10

- | Hc/Hr | HEEL JOINT CONNECTION
ADJUSTMENT FACTOR |
|--------------|--|
| 1/3 | 1.5 |
| 1/4 | 1.33 |
| 1/5 | 1.25 |
| 1/6 | 1.2 |
| 1/10 OR LESS | 1.11 |

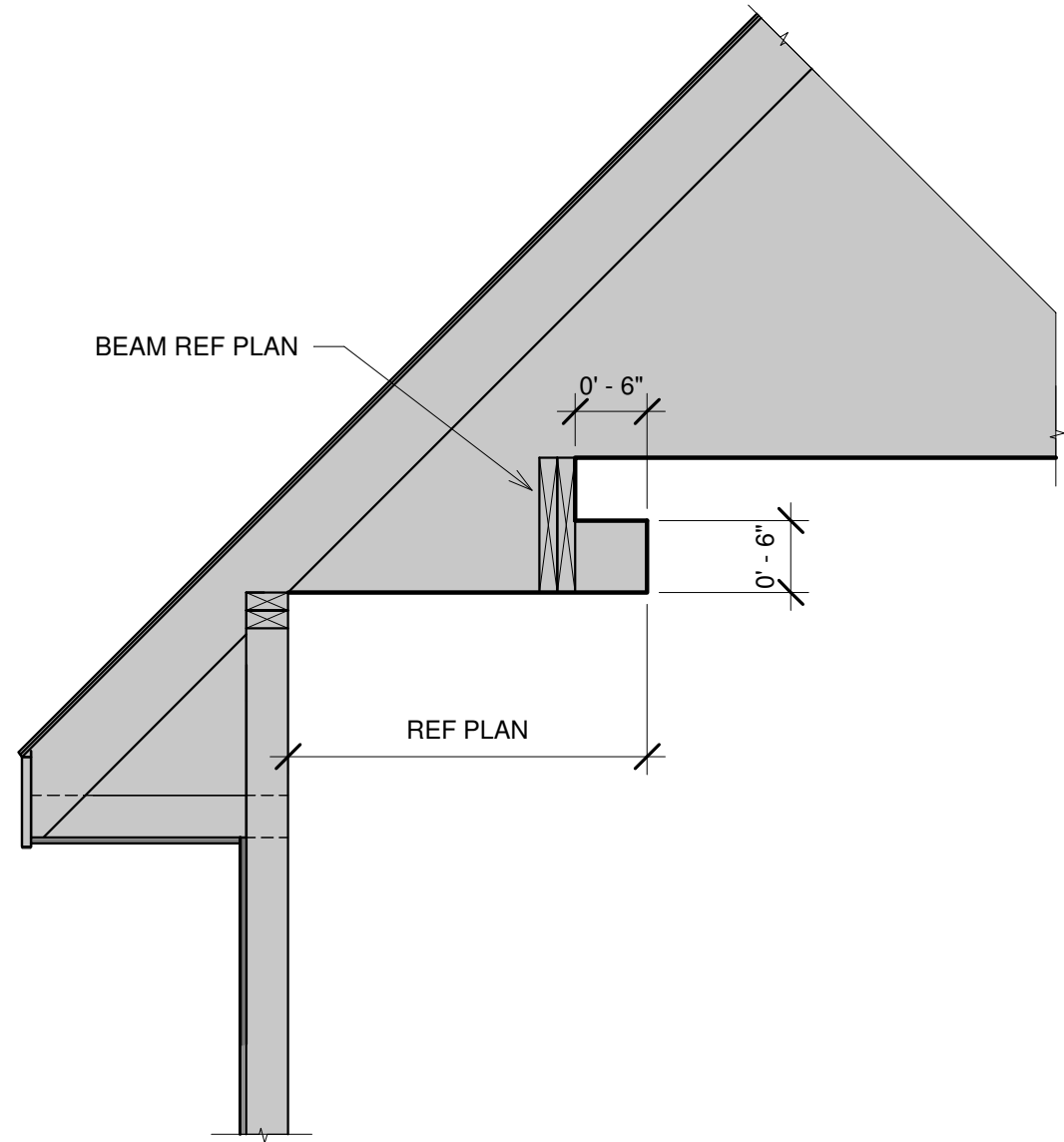
ROOF RAFTER SCHEDULE						
GRADE	MEMBER SIZE / SPACING	MAX SPAN CEILING JSTS AT TOP PLATE	MAX SPAN $H \geq H_0 0.16$	MAX SPAN $H \geq H_0 0.20$	MAX SPAN $H \geq H_0 0.25$	MAX SPAN $H \geq H_0 0.33$
#2 DF/L	2x6 / 16"oc	14'-1"	12'-8"	11'-8"	10'-8"	9'-5"
#2 DF/L	2x8 / 16"oc	18'-2"	16'-4"	15'-1"	13'-9"	12'-2"
#2 DF/L	2x10 / 16"oc	22'-3"	20'-0"	18'-5"	16'-10"	14'-10"
#2 DF/L	2x12 / 16"oc	25'-9"	23'-2"	21'-4"	19'-7"	17'-3"

Diagram illustrating the components of a roof structure, including labels and references:

- RAFTER SPANS, SEE TABLES R802.5.1(1) THROUGH R802.5.1(8)**
- COLLAR TIE OR RIDGE STRAP, RE: SECT. R802.3.1**
- CEILING JOIST LAP, RE: SECT. R802.3.2**
- PURLIN & PURLIN BRACE, RE: SECT. R802.5.1**
- CEILING JOISTS, RE: TABLES R802.4(1) & R802.4(2)**
- TOP PLATE(S), RE: SECT. R602.3.2**
- BEARING WALL**
- BEARING PARTITION, RE: R802.5.1**
- RAFTER TO JOIST CONN., RE: SECT. R802.3.1**
- RAISED RAFTER TIE, RE: SECT. R802.3.1. SEE RAFTER SPAN TABLES R802.5.1(1) THRU R802.5.1(8) FOR ADJUSTED RAFTER SPANS ($H_c/H_r = 1/3$ MAX.)**
- RIDGE BOARD/BEAM, RE: SECT's R802.3 & R802.3.1**
- Labels on the right side:**
 - H_r (Total height)
 - H_c (Clear height)

Description of Building Elements	Number & Type of Fastener (a,b,c)	Spacing of Fasteners
Roof		
Blocking between joists or rafters to top plate, toe nail	3 - 8d (2½" x 0.113")	
Ceiling joists to plate, toe nail	3 - 8d (2½" x 0.113")	
Ceiling joist not attached to parallel rafter, laps over partitions, face nail	3 - 10d (3" x 0.128")	
Collar tie to rafter, face nail, or 1 ¼" x 20 gage ridge strap	3 - 10d (3" x 0.128")	
Rafter or roof truss to plate, toe nail	3 - 16d box nails (3½" x 0.135") or 3 - 10d common nails (3" x 0.148")	2 toe nails on one side and 1 toe nail on opposite side of each rafter or truss
Roof rafters to ridge, valley or hip rafters: toe nail face nail	4 - 16d (3½" x 0.135") 3 - 16d (3½" x 0.135")	
Wall		
Built-up studs	10d (3" x 0.128")	24" o.c.
Abutting studs at intersecting wall corners, face nail	16d (3 1/2" x 0.135")	12" o.c.
Built up header, two pieces with ½" spacer	16d (3½" x 0.135")	16" o.c. along ea. edge
Continued header, two pieces	16d (3½" x 0.135")	16" o.c. along ea. edge
Continuous header to stud, toe nail	4 - 8d (2½" x 0.113")	
Double studs, face nail	10d (3" x 0.128")	24" o.c.
Double top plates, face nail	10d (3" x 0.128")	24" o.c.
Double top plates, minimum 24" offset of end joints, face nail in lapped area	8 - 16d (3½" x 0.135")	
Sole plate to joist or blocking, face nail	16d (3½" x 0.135")	16" o.c.
Sole plate to joist or blocking at braced wall panels	3 - 16d (3½" x 0.135")	16" o.c.
Stud to sole plate, toe nail	3 - 8d (2½" x 0.113") or 2 - 16d (3½" x 0.135")	
Top or sole plate to stud, end nail	2 - 16d (3½" x 0.135")	
Top plates, laps at corners and intersections, face nail	2 - 10d (3" x 0.128")	
1" brace to each stud and plate, face nail	2 - 8d (2½" x 0.113") 2 staples, 1¾"	
1" x 6" sheathing to each bearing, face nail	2 - 8d (2½" x 0.113") 2 staples, 1¾"	
1" x 8" sheathing to each bearing, face nail	2 - 8d (2½" x 0.113") 3 staples, 1¾"	
Wider than 1" x 8" sheathing to each bearing, face nail	3 - 8d (2½" x 0.113") 4 staples, 1¾"	
Floor		
Joist to sill or girder, toe nail	3 - 8d (2½" x 0.113")	
Rim joist to top plate, toe nail (roof applications also)	8d (2½" x 0.113")	6" o.c.
Rim joist or blocking to sill plate, toe nail	8d (2½" x 0.113")	6" o.c.
1" X 6" subfloor or less to each joist, face nail	2 - 8d (2½" x 0.113") 2 staples, 1¾"	
2" subfloor to joist or girder, blind & face nail	2 - 16d (3½" x 0.135")	
2" planks (plan & beam - floor & roof)	2 - 16d (3½" x 0.135")	At each bearing

Description of Building Elements		Number & Type of Fastener (a,b,c)	Spacing of Fasteners	
Floor (Continued)				
Built-up girders and beams, 2-inch lumber layers		10d (3" x 0.128")	Nail ea. layer as follows: 32" o.c. at top & bott. & staggered. Two nails at ends and at ea. splice	
Ledger strip supporting joists or rafters		3 - 16d (3 1/8" x 0.135")	At each joist or rafter	
Description of Building Materials	Description of Fastener (b,c,e)	Spacing of Fasteners		
		Edges (i)	Intermediate Supports (c,e)	
Wood Structural Panels, subfloor, roof and wall sheathing to framing, and particleboard wall sheathing to framing				
3/8" - 1/2"	8d common (2"x0.113" nail (subfloor, wall)(i) 8d common (2 1/2" x 0.131" nail (roof)(f)	6"	12" (g)	
1 3/8" - 1"	8d common (2 1/2" x 0.131") nail (f)	6"	12" (g)	
1 1/8" - 1 1/4"	10d common (3" x 0.148") nail or 8d (2 1/2" x 0.131") deformed nail	6"	12"	
Other wall sheathing (h)				
1/2" structural cellular glass fiberboard sheathing	1 1/2" galvanized roofing nail 8d common (2 1/2" x 0.131") nail; staple 16 ga., 1 1/2" long	3"	6"	
3/8" structural cellular glass fiberboard sheathing	1 3/4" " galvanized roofing nail 8d common (2 1/2" x 0.131") nail; staple 16 ga., 1" long	3 1/2"	6"	
1/2" gypsum sheathing (d)	1 1/2" galvanized roofing nail; staple galvanized, 1 1/2" long; 1 1/2" screws, Type W or S	7"	7"	
1/2" gypsum sheathing (d)	1 3/4" galvanized roofing nail; staple galvanized, 1 1/2" long; 1 1/2" screws, Type W or S	7"	7"	
Wood structural panels, combination subfloor underlayment to framing				
3/4" or less	6d deformed (2" x 0.120") nail or 8d common (2 1/2" x 0.131") nail	6"	12"	
7/8" - 1"	8d common (2 1/2" x 0.131") nail or 8d deformed (2 1/2" x 0.120") nail	6"	12"	
1 1/8" - 1 1/4"	10d common (3" x 0.148") nail or 8d deformed (2 1/2" x 0.120") nail	6"	12"	
<p>a. All nails are smooth-common, box or deformed shapes except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.</p> <p>b. Staples are 16 gauge wire and have a minimum 7/16-inch on diameter crown width.</p> <p>c. Nails shall be spaced at not more than 6" on center at all supports where spans are 48 inches or greater.</p> <p>d. Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.</p> <p>e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).</p> <p>f. For regions having basic wind speed of 110 mph or greater, 8d deformed (2 1/2" x 0.120) nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48-inch distance from gable end walls, if mean roof height is more than 25 feet, up to 35 feet maximum.</p> <p>g. For regions having basic wind speed of 100 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. When basic wind speed is greater than 100 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.</p> <p>h. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.</p> <p>i. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.</p>				
Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.				



0" - 1"

SHIPLAP SIDING ON BREATHABLE WATER RESISTANT BARRIER

2x STUD FRAMING

DOUBLE RAFTERS AND CEILING JOISTS
AT INTERSECTION OF RIDGE AND HIP

(8)10d COMMON NAILS AT EACH RAFTER
TO JOIST CONNECTION. TOTAL OF (16)10d
NAILS PER HEEL CONNECTION.

RAFTER/JOIST RIDGE SUPPORT

SCALE: 3/4" = 1'-0"

[illegible]

DETAILS

S504

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/02/2024 5:14:34

SCALE: 1" = 1'-0"