



LEE'S SUMMIT MISSOURI

Scope of Work Statement

Applicant:	Contractor	Homeowner	Tenant
Primary Contact:	Phone:	Email:	

Project Address:		Phone:
Name of Owner:		
Residential	Commercial	

Check all that Apply

Water service	Repair	Replace	Work in right of way?
Sewer service	Repair	Replace	Work in right of way?
Electrical service	Repair	Replace	Amperage: (Engineer required of ≥ 400)
HVAC	Repair	Replace	
Uncovered deck:		Covered deck:	Square Feet:
Accessory Structure:	<input type="checkbox"/>	Description:	Square feet
Interior Alterations:	<input type="checkbox"/>	Description:	Square feet
Addition:	<input type="checkbox"/>	Description:	Square feet
Retaining wall over 48"			
Swimming pool	<input type="checkbox"/>	Electrical contractor	Plumber (NG?)
Lawn irrigation			
Other:	<input type="checkbox"/>	Cost of project including labor \$	
Detailed description of work:			

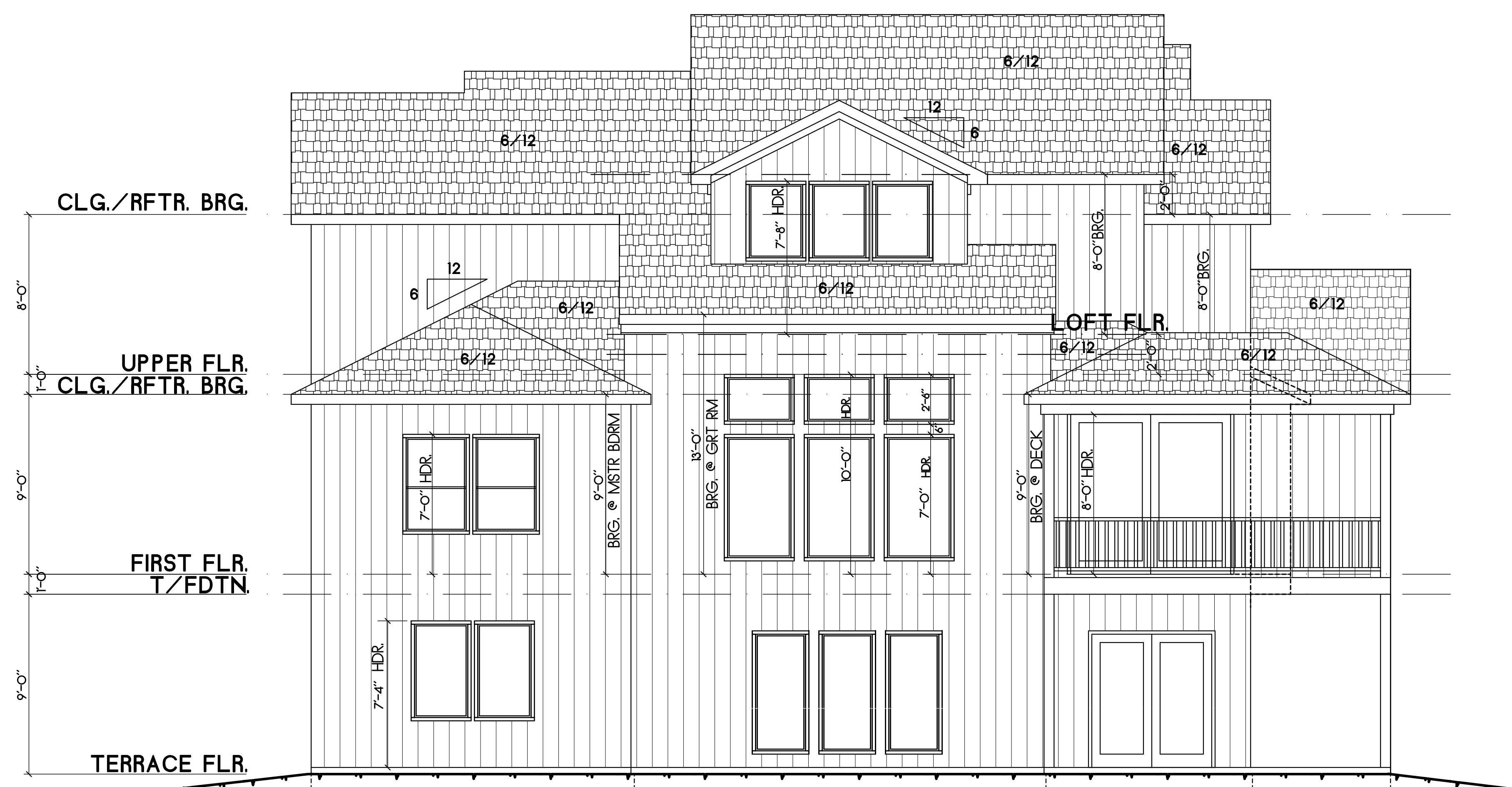
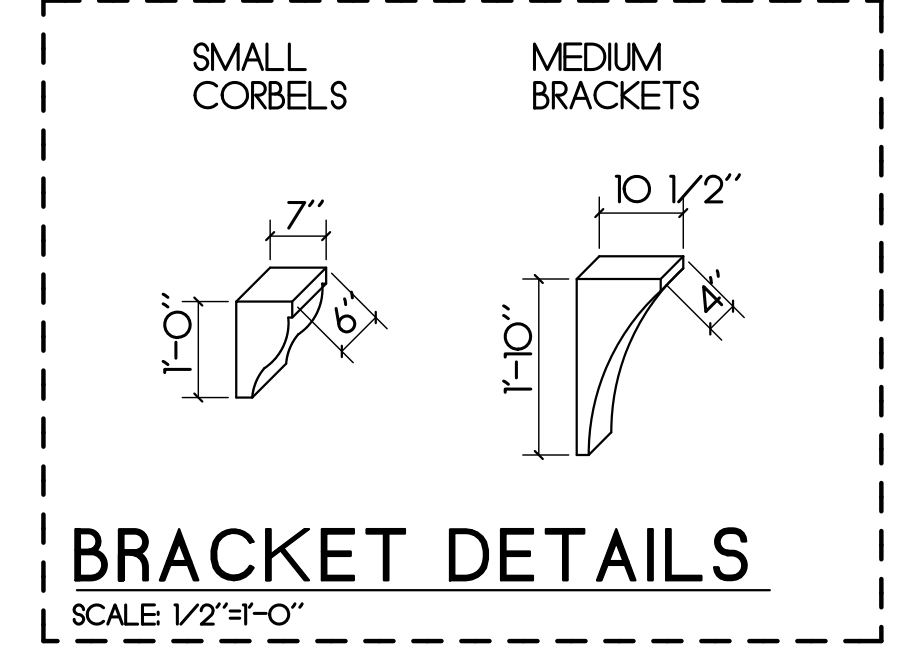
AFFIDAVIT: I hereby certify that I have the authority to make the foregoing application and that the application, the best of my knowledge, is complete and correct and that the permitted construction will conform to the regulations in the Codes adopted by the City of Lee's Summit and all applicable ordinances.

Joe Schartz
Signature of Applicant

Printed Name of Applicant

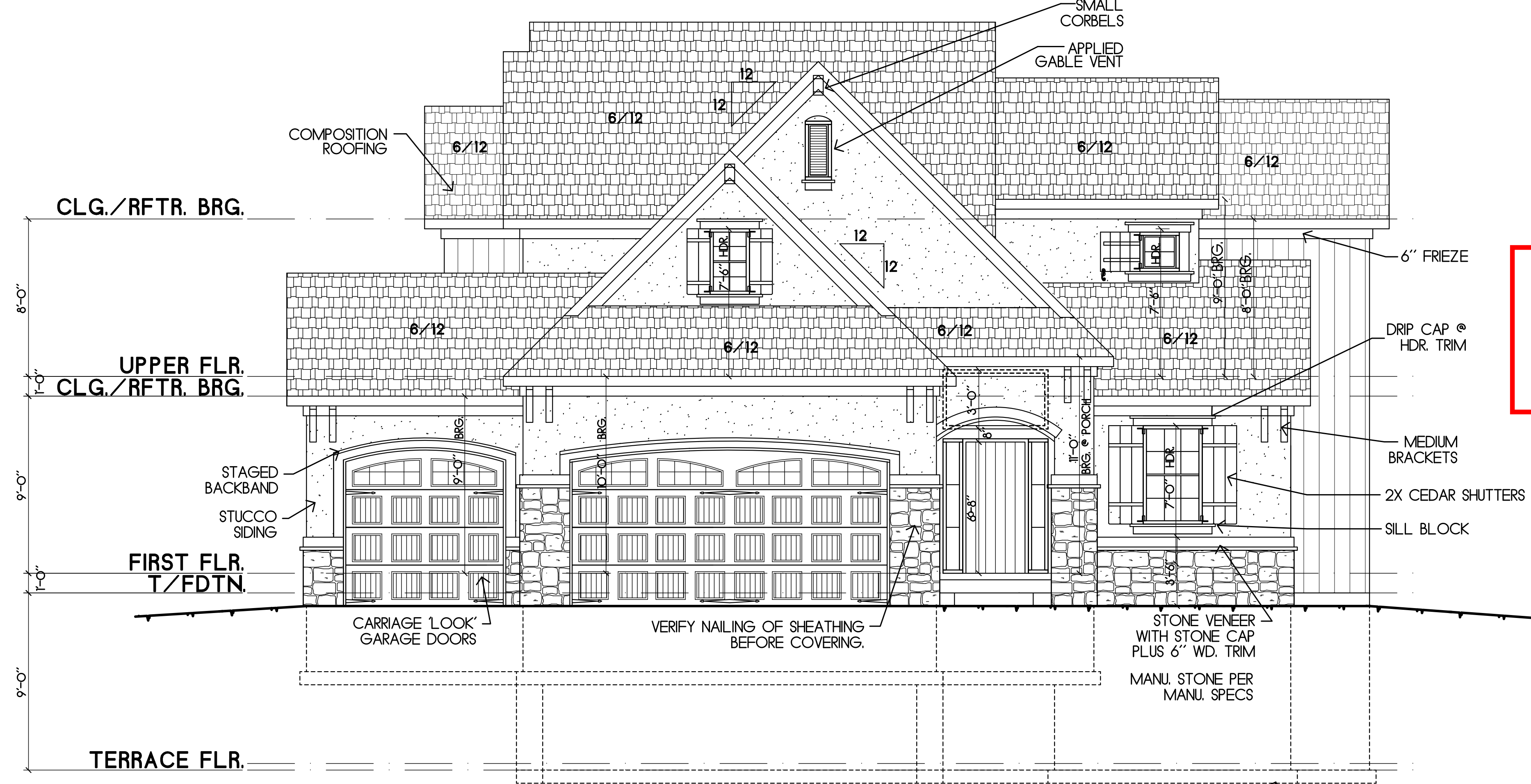
Date

SQUARE FOOTAGE SUMMARY:	
MAIN FLOOR FINISH	1770 SF
UPPER FLOOR FINISH	1340 SF
LOWER FUTURE FINISH	960 SF
LOWER FLOOR SLAB	1700 SF
GARAGE AREA	720 SF
GARAGE SLAB	660 SF
FRONT PORCH	28 SF
REAR DECK	175 SF
LOWER LEVEL UNFINISHED	1589 SF



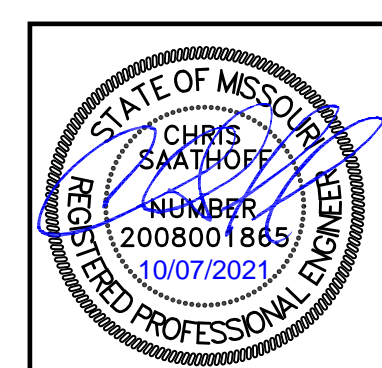
REAR ELEVATION
SCALE: 1/8"=1'-0"

- NOTE FOR S.A.B. BUILD-JOBS:**
- * FINAL DETAILS INCLUDING FINALS, SHUTTERS BRACKETS AND OTHER EXTERIOR ACCESSORIES MUST BE SELECTED AND ADDED TO THE CONTRACT OR CHANGE ORDER.
- CONTRACTOR TO COORDINATE THE FOLLOWING:**
- * VERIFY EACH WALL BRG HEIGHT & WINDOW HDR HEIGHT
 - * STEP DOWNS @ T/FDTN PER GRADE
 - * RETAINING WALL TRANSITIONS PER GRADE
 - * ROOF AND SOFFIT VENTS PER CODE
 - * SEE ROOF PLAN TO CONFIRM OVERHANGS PER LOCATION
 - * CONTRACTOR TO VERIFY ALL DIMENSIONS
 - * MINI-CANS / EAVE LIGHTS TYP AT ALL HORIZ SOFFITS ON FRONT CONSULT ARCHITECT IF LOC. IS IN QUESTION



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

RELEASE FOR CONSTRUCTION
AS NOTED FOR PLAN REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/21/2021



STRUCTURAL REVIEW
HDJ: 42609

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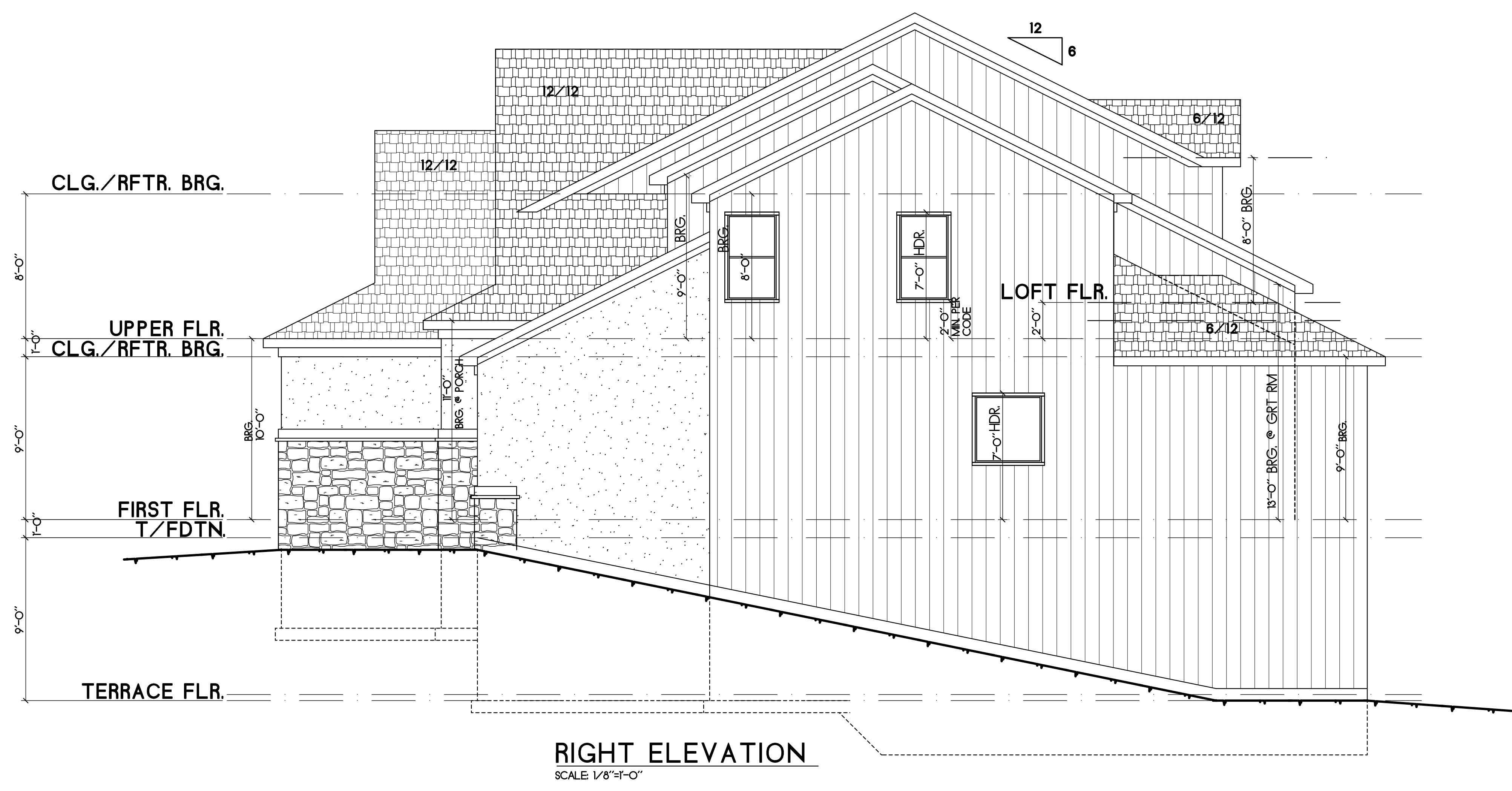
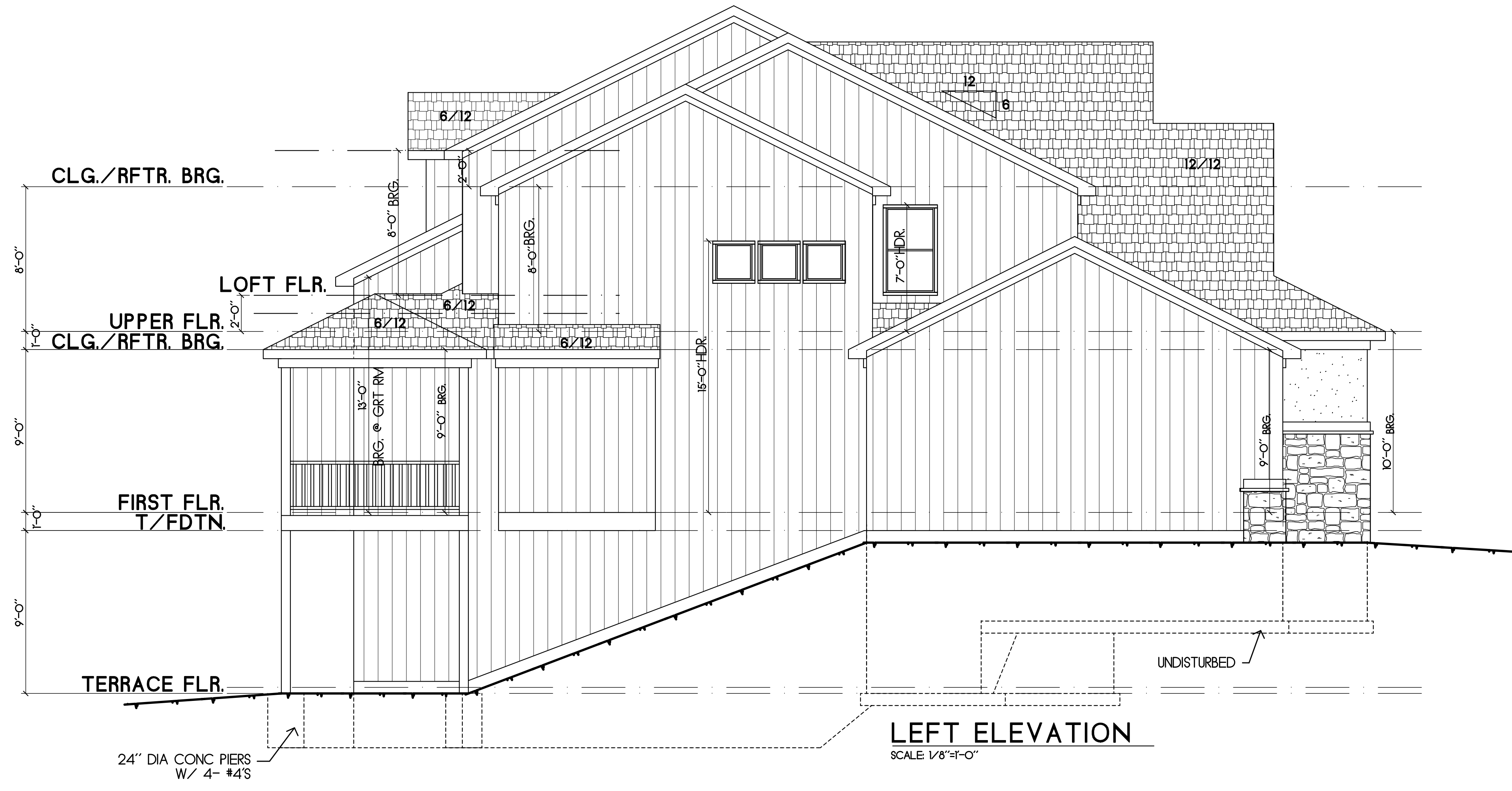


HF43 - EXP. STRATOGA II
2023 WHEATFIELD CT., LSMO 66082

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STATE OF MISSOURI
CHARLES SAATHOFF
REGISTERED PROFESSIONAL ENGINEER
NUMBER 2008001845
10/07/2021

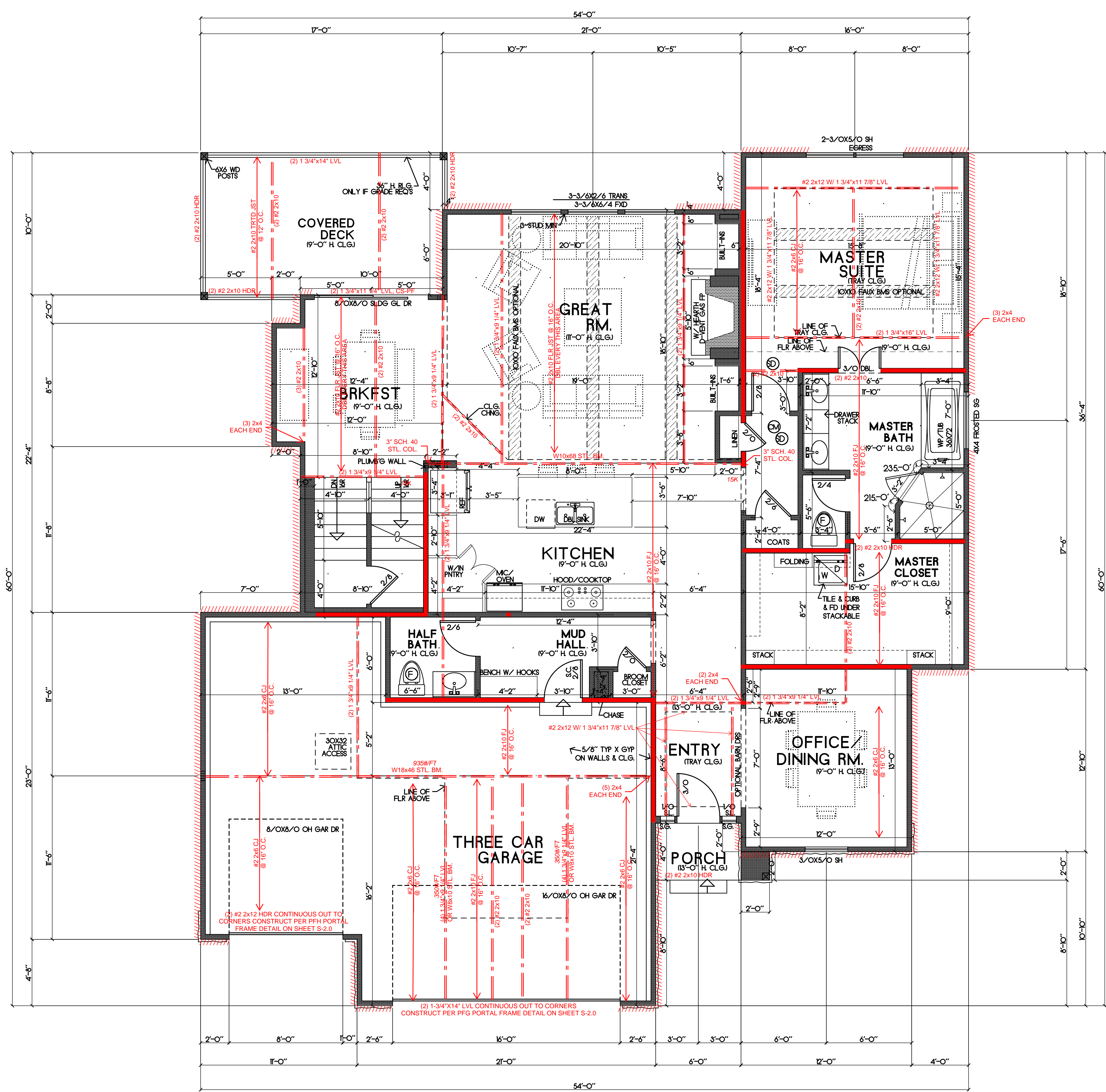
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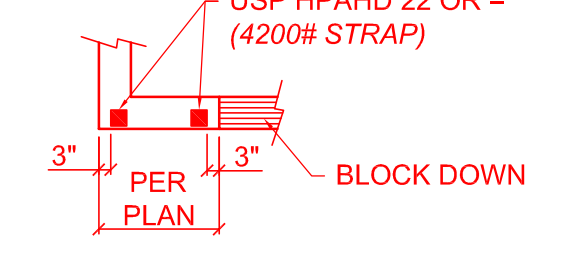
A2



- - LOAD BEARING WALL
- - - - - - LOAD BEARING BEAM
- ⊙ - SMOKE DETECTOR
- ⊙ - CARBON MONOXIDE SENSOR

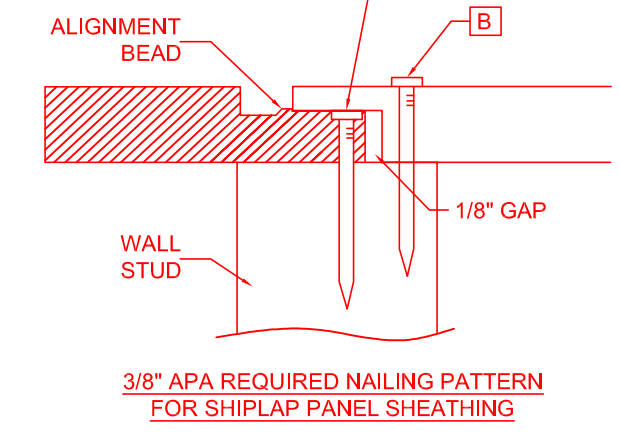
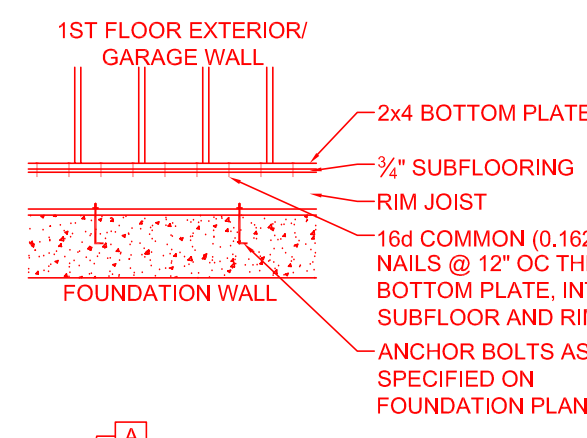
GENERAL NOTES:
 - WINDOW SHALL HAVE FALL PROTECTION PER IRC 312.2.4
 - HOUSE WILL BE PROVIDED WITH A "UFER" GROUND PER IRC SECTION 3608.1.5
 - OVERHEAD GARAGE DOORS MUST MEET DASMA REQUIREMENTS SEE DETAIL SHEET S-1.0
 - ALL HEADERS NOT LABELED SHALL BE MIN (2) #2-2X10 DFL
 - DBL ALL JST UNDER ISLAND
 - SOILS IN THIS AREA COMMONLY HAVE A VERY HIGH SHRINK SWELL CAPACITY. OUR FIRM RECOMMENDS ALL SITES BE EVALUATED BY A GEOTECHNICAL FIRM PRIOR TO PLACEMENT OF FOUNDATIONS
 - PROVIDE CARBON MONOXIDE AND SMOKE DETECTORS PER IRC REQUIREMENTS
 - ANY PORTION OF THESE PRINTS ISSUED WITHOUT A MIN. OF S-1.0 - S-4.0 SHALL NOT BE CONSIDERED A COMPLETE SET OF CONSTRUCTION DOCUMENTS
 - ICE AND WATER SHIELD AS REQUIRED PER IRC

TYPICAL TIE DOWN AT NARROW WALL



BRACED WALLS:

SEE CALCULATIONS ON SHEET S-2.0, PER ASC7-10 REQUIREMENTS AS ALLOWED BY IRC 2018 R301.2.1
 ALL EXTERIOR WALLS SHALL BE SHEATHED PER ANY ONE OF THE FOLLOWING OPTIONS:
 - 7/16" APA-RATED PLYWOOD/OSB WITH 8d NAILS @ 6" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD
 - 7/16" SHIPLAP PANEL SHEATHING (I.E. LP SMARTSIDE OR EQUIVALENT) WITH 8d NAILS @ 6" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD
 - 3/8" SHIPLAP PANEL SHEATHING (I.E. LP SMARTSIDE OR EQUIVALENT) WITH 8d NAILS @ 4" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD
 INTERIOR BRACED WALL LOCATIONS ONLY SHOWN WHEN REQUIRED BY ADDITIONAL BRACING SECTION OF CALCULATIONS ON SHEET S-2.0

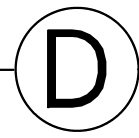


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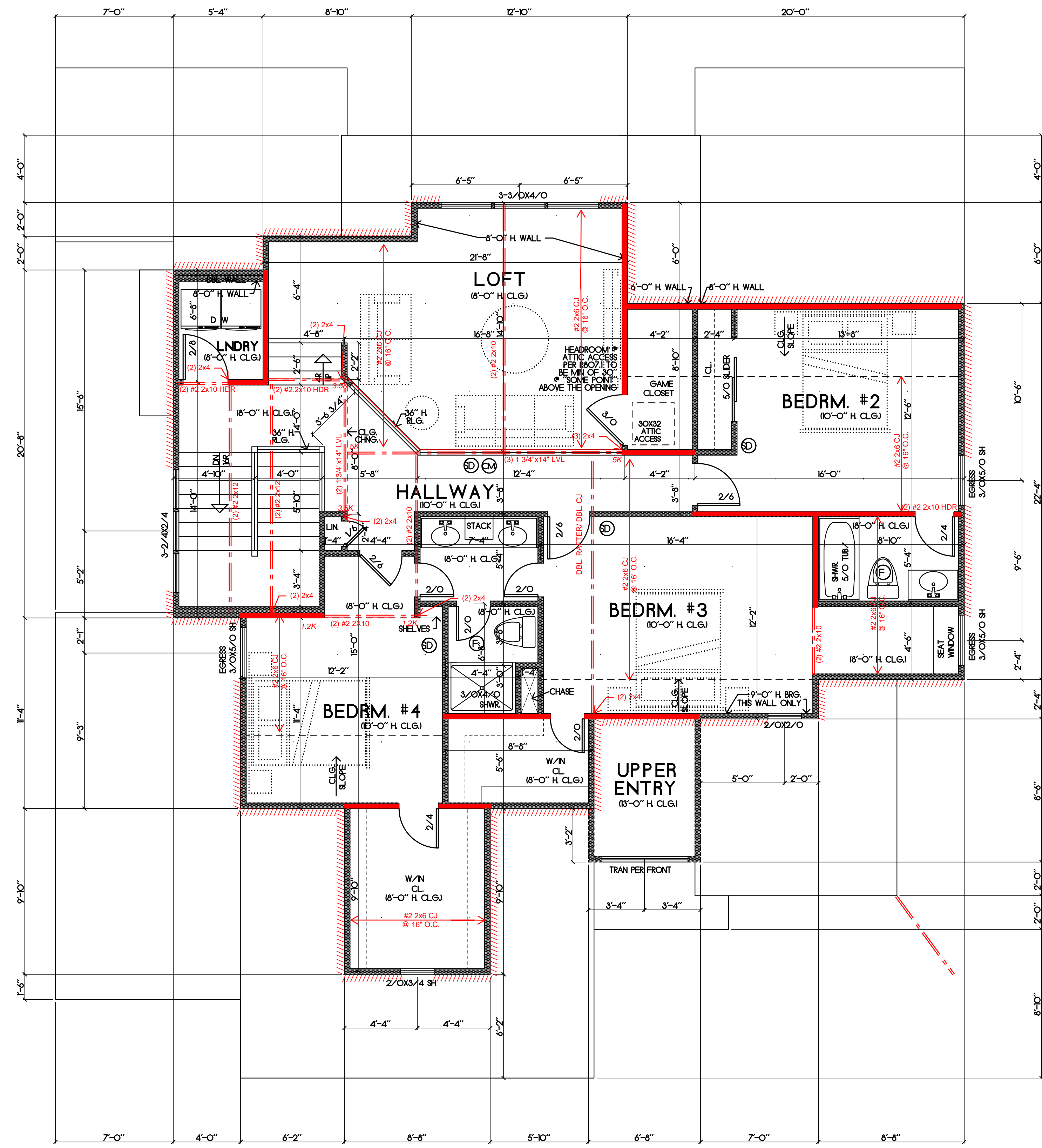
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 16504 W. 27th STREET
 SPASANO, MO 65454
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MAIN FLOOR PLAN
 SCALE 1/4"=1'-0"
 AREA= 1,770 SF



- ARCHITECTURAL NOTES:**
- 1 WALL NOTE
SEE ELEVATIONS FOR EXTERIOR BRG. HEIGHTS
 - 2 DOOR NOTE
6/0 DOORS @ MAIN LEVEL & 6/8 DOORS @ UPPER & LOWER LEVEL
 - 3 WINDOW NOTES
SEE ELEVATIONS FOR HDR. HTS
 - 4 ALL TRADES TO REFER TO STRUCTURAL SHEETS IN THIS SET FOR ALL STRUCTURAL ITEMS ON THIS PROJECT.
 - 5 IF THERE IS ANY CONFLICT BETWEEN ARCH SHEETS & ENG SHEETS, FOLLOW ENGINEERING SHEETS FOR ENGINEERING ITEMS AND/OR CONTACT ARCHITECT FOR CLARIFICATION



- LOAD BEARING WALL
- LOAD BEARING BEAM
- SMOKE DETECTOR
- CARBON MONOXIDE SENSOR

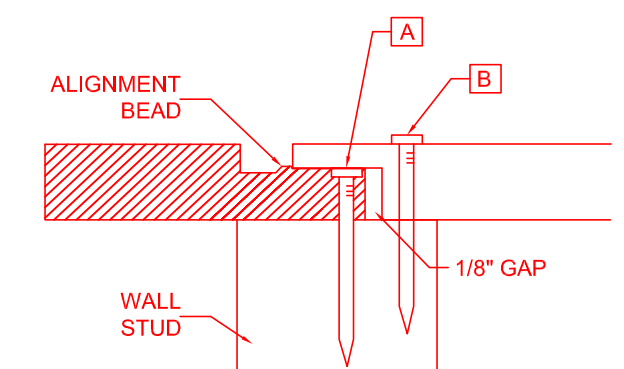
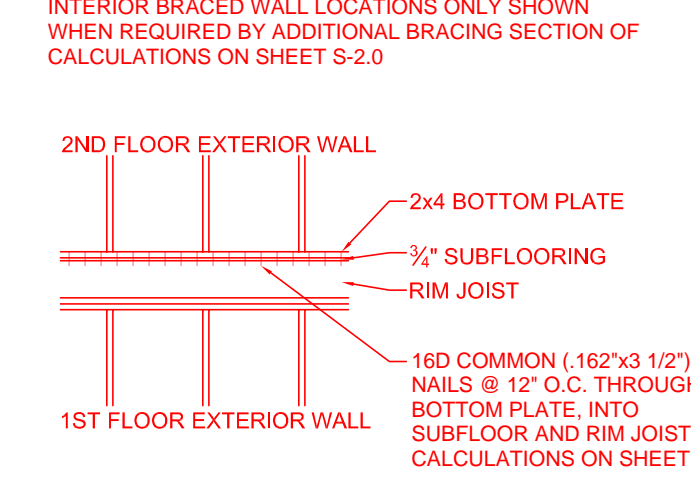
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BRACED WALLS:
SEE CALCULATIONS ON SHEET S-2.0, PER ASCE 7-10 REQUIREMENTS AS ALLOWED BY IRC 2018 R301.2.1

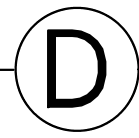
ALL EXTERIOR WALLS SHALL BE SHEATHED PER ANY ONE OF THE FOLLOWING OPTIONS:

- 7/16" APA-RATED PLYWOOD/OSB WITH 8d NAILS @ 6" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD
- 7/16" SHIPLAP PANEL SHEATHING (I.E. LP SMARTSIDE OR EQUIVALENT) WITH 8d NAILS @ 6" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD
- 3/8" SHIPLAP PANEL SHEATHING (I.E. LP SMARTSIDE OR EQUIVALENT) WITH 8d NAILS @ 4" O.C. AT EDGES AND @ 12" O.C. IN THE FIELD



NAILING WITH SPACING AS SPECIFIED PER PLAN. FOR EXAMPLE, IF REQUIRED SPACING IS 4" O.C., BOTTOM LAP SHALL FIRST BE NAILED AT 4" O.C. (NAIL "A"), THEN FULL DEPTH SECTION OF OVERLAP PANEL SHALL BE NAILED @ 4" O.C. (NAIL "B")

UPPER FLOOR PLAN
SCALE: 1/4"=1'-0"
AREA= 1,340 SF



- ARCHITECTURAL NOTES:**
- 1 WALL NOTE: SEE ELEVATIONS FOR EXTERIOR BRG. HEIGHTS
 - 2 DOOR NOTE: 6/0 DOORS @ MAIN LEVEL & 6/8 DOORS @ UPPER & LOWER LEVEL
 - 3 WINDOW NOTES: SEE ELEVATIONS FOR HDR. HTS
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SPRINGFIELD, MO 65814
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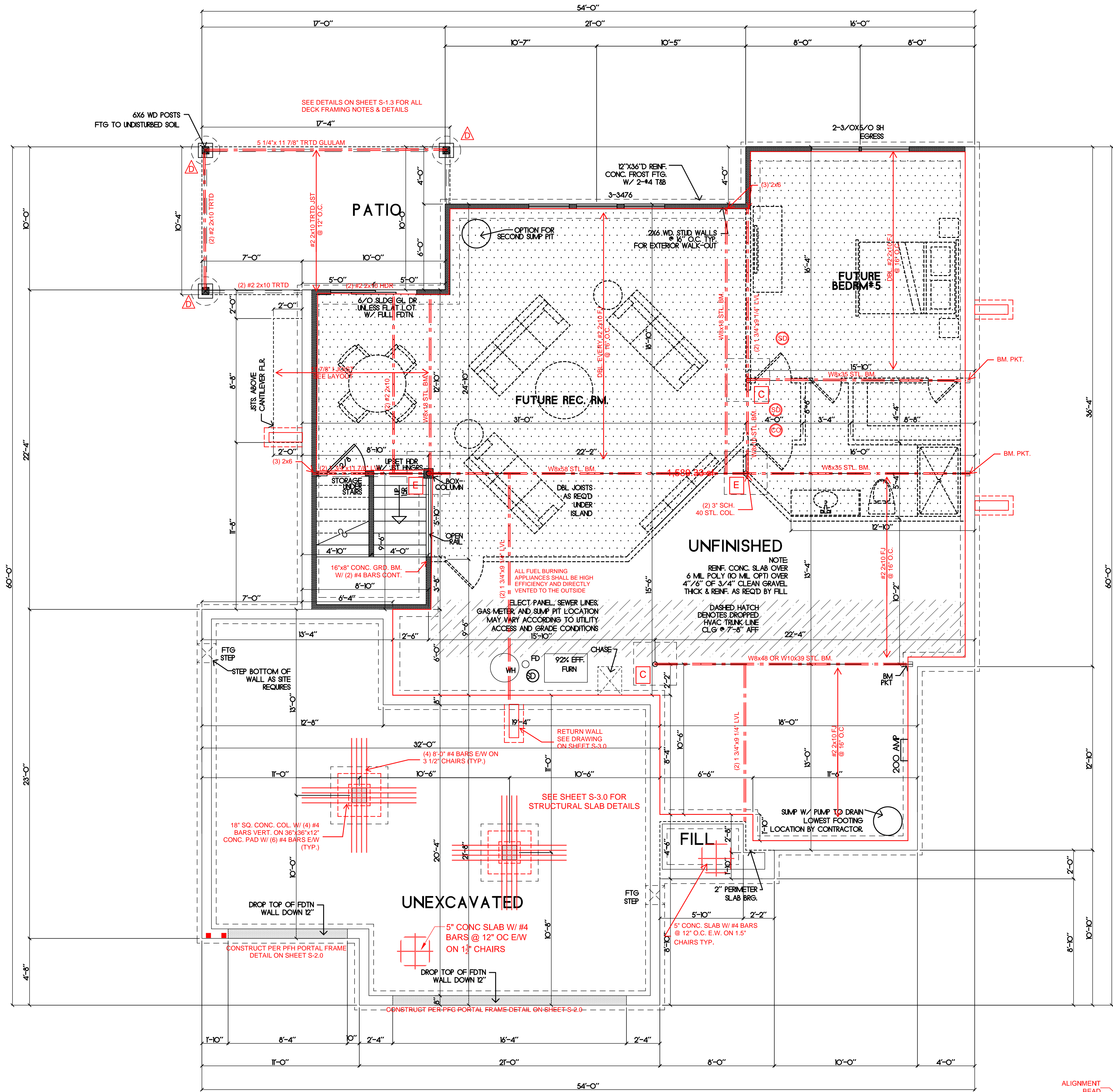


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DECK PIER SCHEDULE

- △ MIN. 6X8 TRTD/CDR POST ON 12" CONC PIER WITH USP PAU 66 BASE OR = (1177# MAX)
- △ MIN. 6X8 TRTD/CDR POST ON 16" CONC PIER WITH USP PAU 66 BASE OR = (2050# MAX)
- △ MIN. 6X8 TRTD/CDR POST ON 18" CONC PIER WITH USP PAU 66 BASE OR = (2649# MAX)
- △ MIN. 6X8 TRTD/CDR POST ON 24" CONC PIER WITH USP PAU 66 BASE OR = (4710# MAX)

PIERS TO TERMINATE ON ORIGINAL SOIL OF 1500 PSF MINIMUM BEARING.
PIERS TO TERMINATE AT A POINT 36" MINIMUM BELOW FINISH GRADE.
POST ARE NOT TO EXCEED AN UNBRACED LENGTH OF 12' WITHOUT CONTACTING HD ENGINEERING FOR GUIDANCE.

COLUMN PAD SCHEDULE

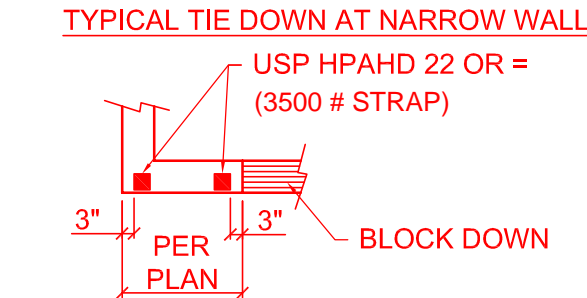
A	3" SCH 40 STL. COL. ON 30"x30"x12" CONC. PAD W/ (5) #4 BARS E.W. (9.4K MAX.)
B	3" SCH 40 STL. COL. ON 36"x36"x12" CONC. PAD W/ (6) #4 BARS E.W. (13.5K MAX.)
C	3 1/2" SCH 40 STL. COL. ON 42"x42"x14" CONC. PAD W/ (7) #4 BARS E.W. (18.4K MAX.)
D	3 1/2" SCH 40 STL. COL. ON 48"x48"x16" CONC. PAD W/ (8) #4 BARS E.W. (24K MAX.)
E	3 1/2" SCH 40 STL. COL. ON 54"x54"x18" CONC. PAD W/ (9) #4 BARS E.W. (30.4K MAX.)
F	3 1/2" SCH 40 STL. COL. ON 60"x60"x18" CONC. PAD W/ (10) #4 BARS E.W. (37.5K MAX.)

NOTES:

- COLUMN AND PIER PAD SIZES SHOWN ARE FOR MAX. COLUMN HEIGHT OF 10'-0" TALL.
- COLUMN AND PIER PAD SIZES SHOWN ARE BASED ON AN ASSUMED 1500 PSF. THIS IS THE CAPACITY REQUIRED BY AHJ. UNDERLINED GENERAL NOTES ON S-1.0 FOR MORE DETAILS.
- ALL STEEL COLUMNS SHALL BE ISOLATED FROM SLABS WITH APPROVED ISOLATION DEVICE OR JOINT.

GENERAL NOTES:

- WINDOW SHALL HAVE FALL PROTECTION PER IRC 312.2.4
- HOUSE WILL BE PROVIDED WITH A "UPPER" GROUND PER IRC SECTION 3608.1.5
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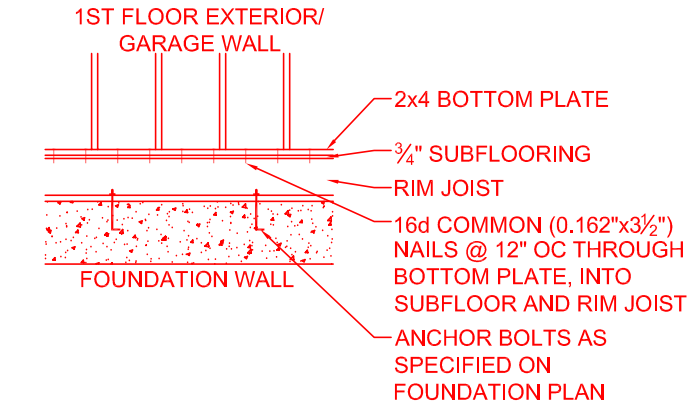


BRACED WALLS:
SEE CALCULATIONS ON SHEET S-2.0, PER ASC7-10 REQUIREMENTS AS ALLOWED BY IRC 2016 R301.2.1

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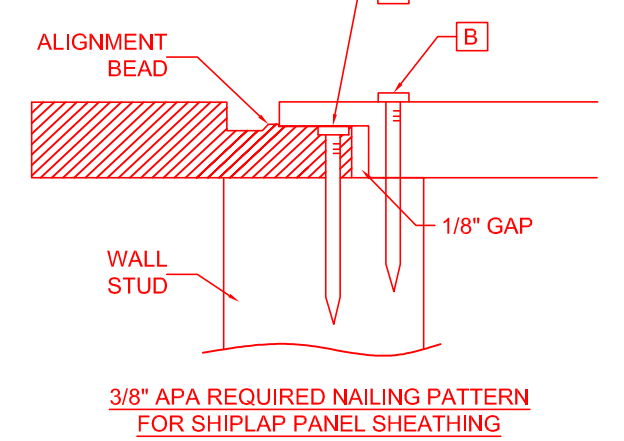
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INTERIOR BRACED WALL LOCATIONS ONLY SHOWN WHEN REQUIRED BY ADDITIONAL BRACING SECTION OF CALCULATIONS ON SHEET S-2.0



FOUNDATION ANCHORING NOTES:

- MIN. 1/2" ANCHOR BOLTS SHALL BE INSTALLED @ 36" O.C. MAX AND WITHIN 6"-12" FROM THE END OF EACH SECTION OF SILL PLATE ALONG ENTIRE PERIMETER OF FOUNDATION



LOWER FLOOR PLAN
SCALE: 1/4"=1'-0" FUTURE FINISH= 960 SF

ADAPT FDTN WALL HTS FOR SITE TOPO

- ARCHITECTURAL NOTES:**
- 1 WALL NOTE: SEE ELEVATIONS FOR EXTERIOR BRG. HEIGHTS
 - 2 DOOR NOTE: 6/0 DOORS @ MAIN LEVEL & 6/8 DOORS @ UPPER & LOWER LEVEL
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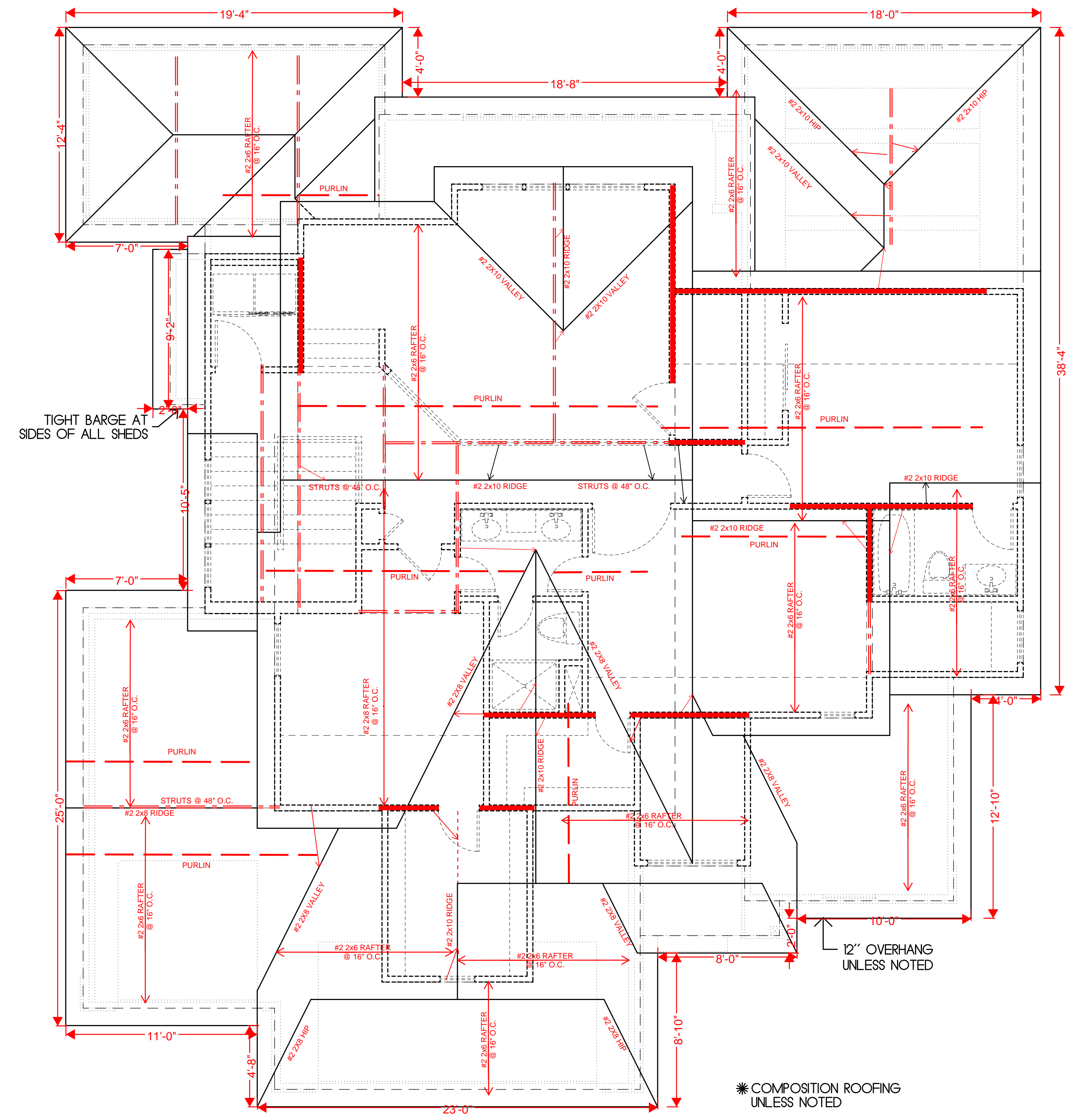
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1604 W. 75th STREET
SPRINGDALE, MO 65754
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STATE OF MISSOURI
CHRIS SAATHOFF
REGISTERED PROFESSIONAL ENGINEER
NUMBER 20080001865
10/07/2021

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- * COMPOSITION ROOFING UNLESS NOTED
- * ROOF AND SOFFIT VENTS PER CODE
- * SEE ELEVATIONS TO CONFIRM OVERHANGS PER LOCATION

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

12/12 PITCH ONLY @ BOTH FRONT GABLES
6/12 PITCH TYP. U.N.O.

NOTES

ROOF DESIGNED FOR LIGHT ROOF COVERING 30PSF TOTAL LOAD [10PSF DL, 20PSF LL (SL)]

RAFTERS (DOUG-FIR, OR EQUAL):
SEE SPAN CHARTS BELOW

RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN
#2-2x6	@24" O.C.	11'-11"
#2-2x6	@16" O.C.	14'-1"
#2-2x6	@24" O.C.	15'-1"
#2-2x6	@16" O.C.	18'-5"
#2-2x10	@24" O.C.	18'-5"
#2-2x10	@16" O.C.	22'-6"

NOTE: CODE MINIMUM L/240 DEFLECTION

GREATER THAN CODE

RAFTERS	SPACING	MAX HORIZONTAL CLEARSPAN
#2-2x6	@24" O.C.	8'-0"
#2-2x6	@16" O.C.	9'-9"
#2-2x6	@24" O.C.	11'-3"
#2-2x6	@16" O.C.	12'-9"
#2-2x10	@24" O.C.	14'-3"
#2-2x10	@16" O.C.	16'-3"

DEFLECTION = L/360 LIVE LOAD, L/240 TOTAL LOAD
VAULTS TO BE 2x10 DEPTH

ALL RIDGES, HIPs, AND VALLEYS NOT MARKED SHALL BE (1) NOMINAL SIZE LARGER THAN THE INTERSECTING RAFTERS

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 "T" 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/ENGR.	>30'-0"

SEE DETAILS 1, 5, 6, 7, 11, 12, 13, & 14 ON S-1.2 FOR ROOF FRAMING AND INSULATION OPTIONS

- - - - - PURLIN
- — — — — LOAD BEARING WALL
- — — — — LOAD BEARING BEAM/ GIRDER PER PLAN

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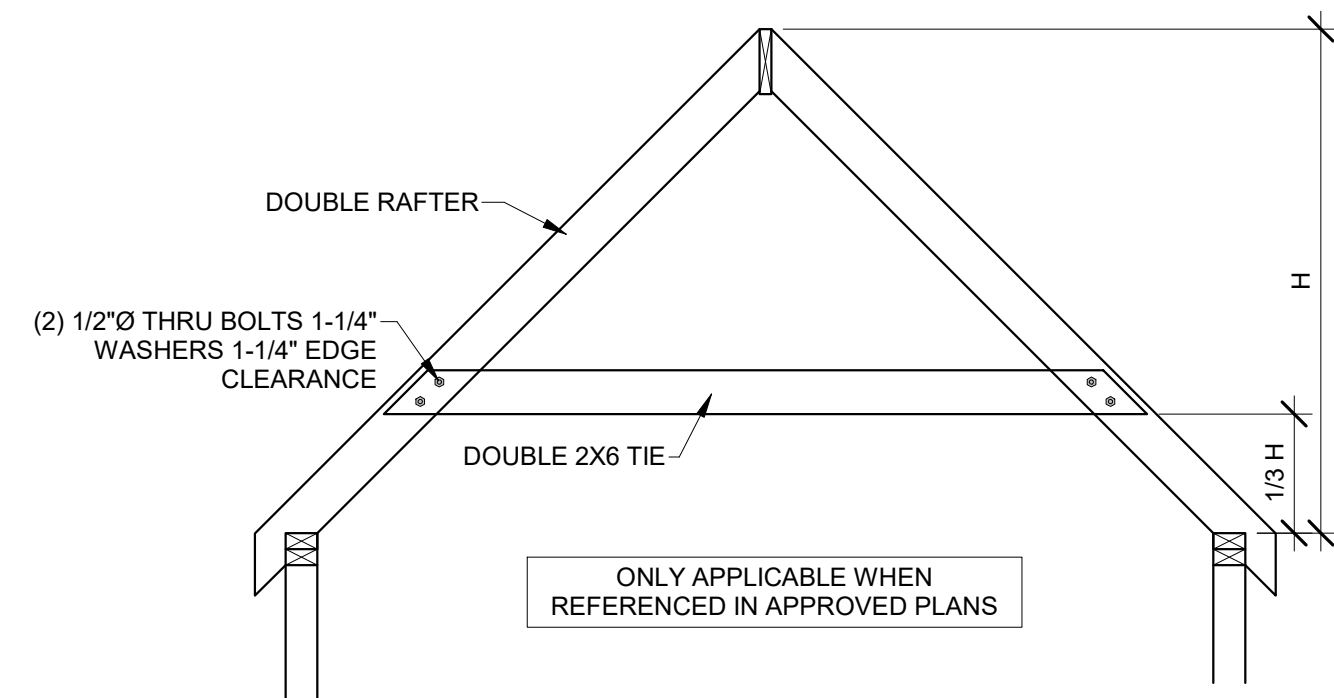
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 111 SHANNONVILLE RD. SUITE 101
 SHANNONVILLE, MISSOURI 64481
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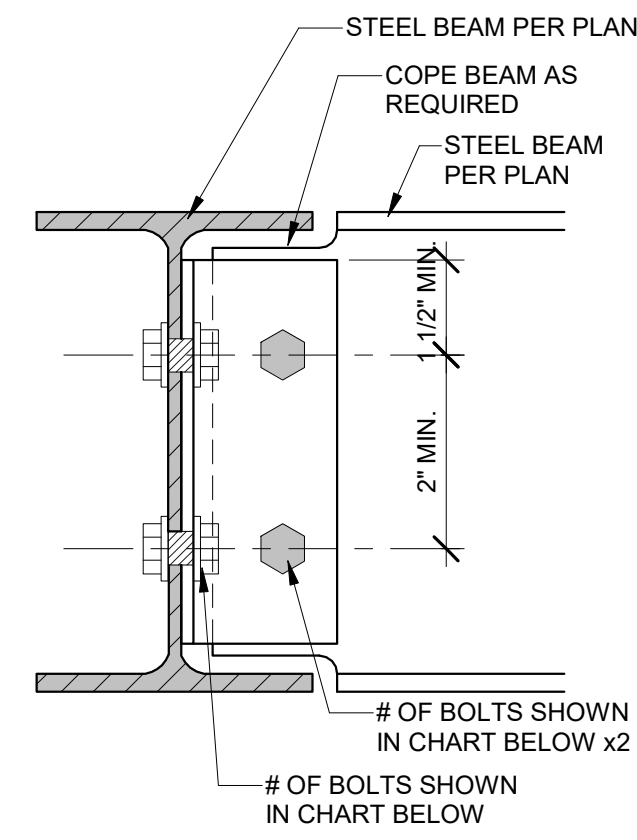
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 ARCHITECTURAL SHEET #

A6



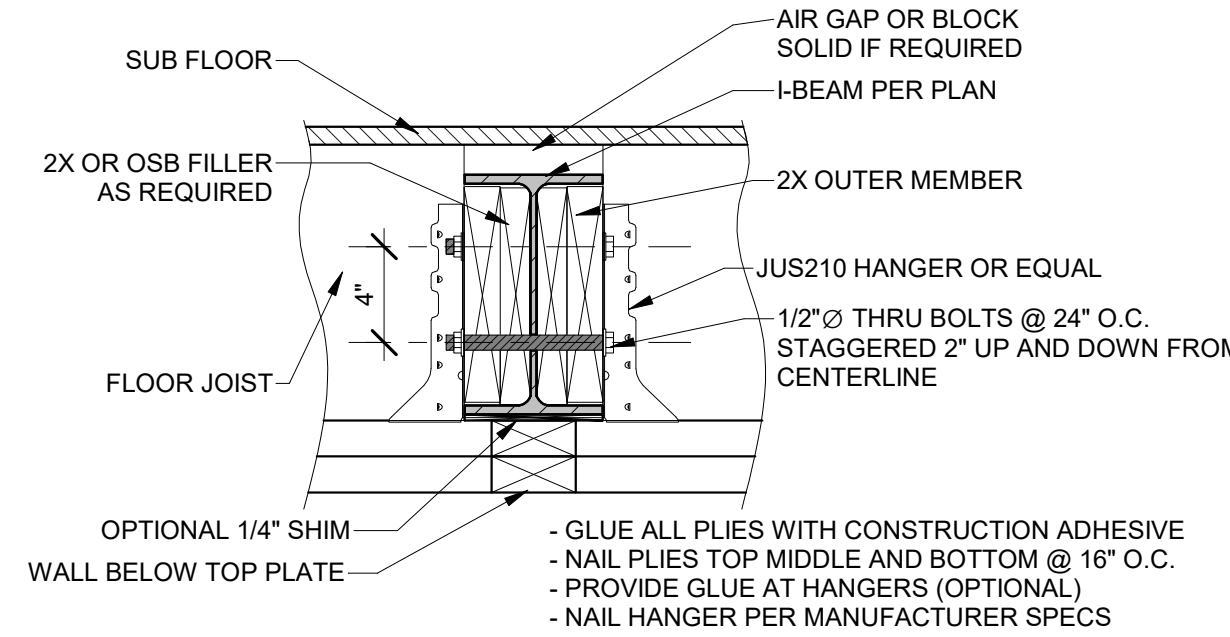
11 HIP SUPPORT FRAME
3/8" = 1'-0"



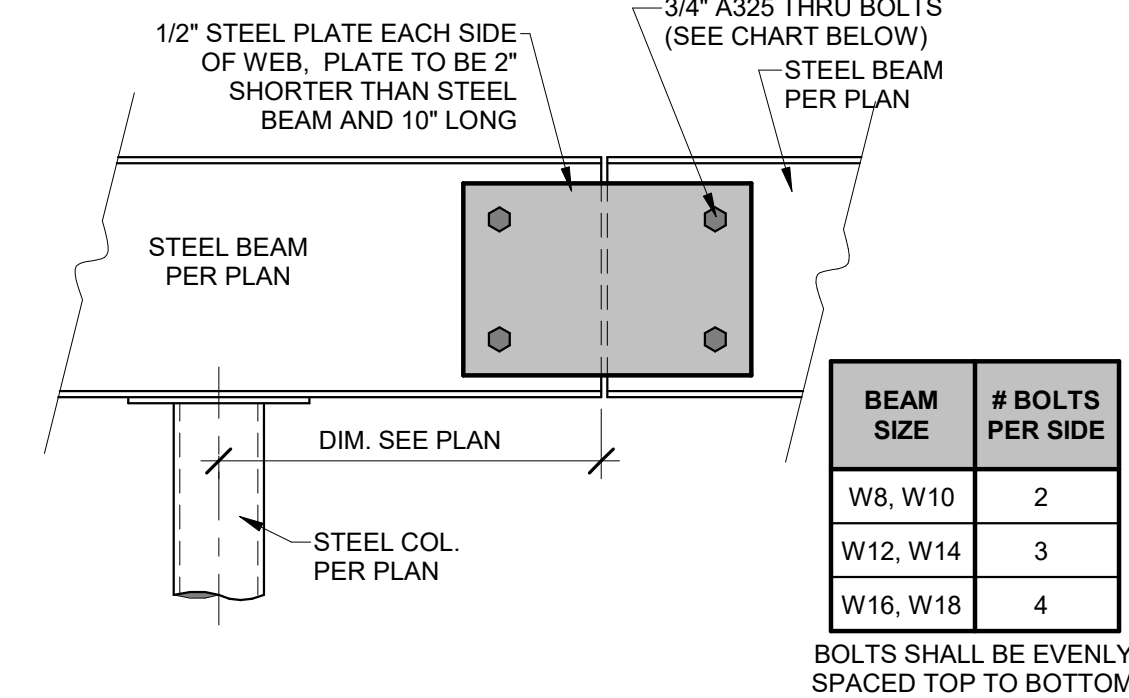
10 BEAM TO GIRDER CONNECTION
3" = 1'-0"

BEAM CONNECTION SCHEDULE	
BEAM SIZE	# OF BOLT IN CONNECTION
W8, W10	2
W12, W14	3
W16, W18	4

NOTES:
1. NUMBER OF BOLTS DETERMINED BY SMALLER OF TWO BEAMS BEING CONNECTED
2. ALL BOLTS, 3/4" DIAMETER A325-N, UNO
3. FULL PERIMETER 1/4" FILLET WELD MAY BE SUBSTITUTED FOR EITHER OR BOTH BOLTED CONNECTIONS



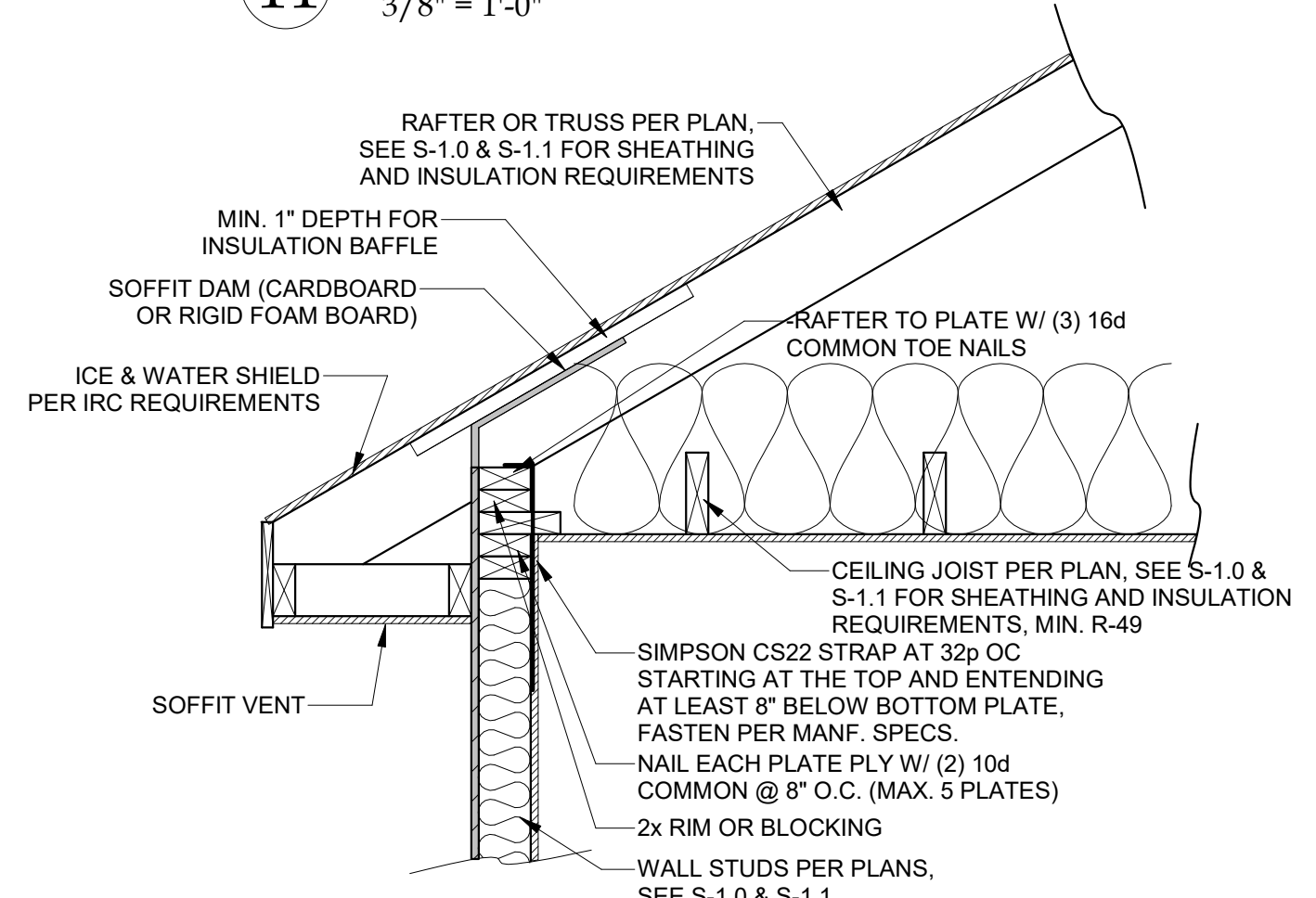
8 UPSET STEEL BEAM DETAIL
1 1/2" = 1'-0"



9 STEEL BEAM SPLICE DETAIL
1 1/2" = 1'-0"

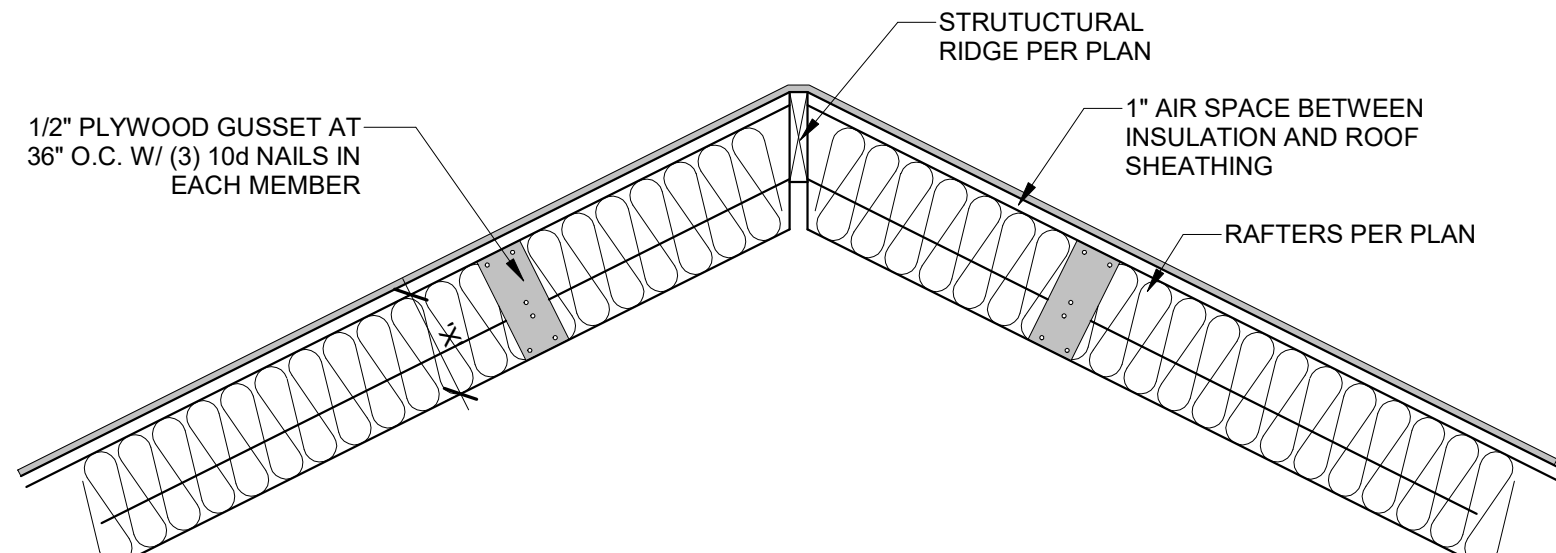
BEAM SIZE	# BOLTS PER SIDE
W8, W10	2
W12, W14	3
W16, W18	4

BOLTS SHALL BE EVENLY SPACED TOP TO BOTTOM



7 OPTION 4 RAFTER BEARING
1" = 1'-0"

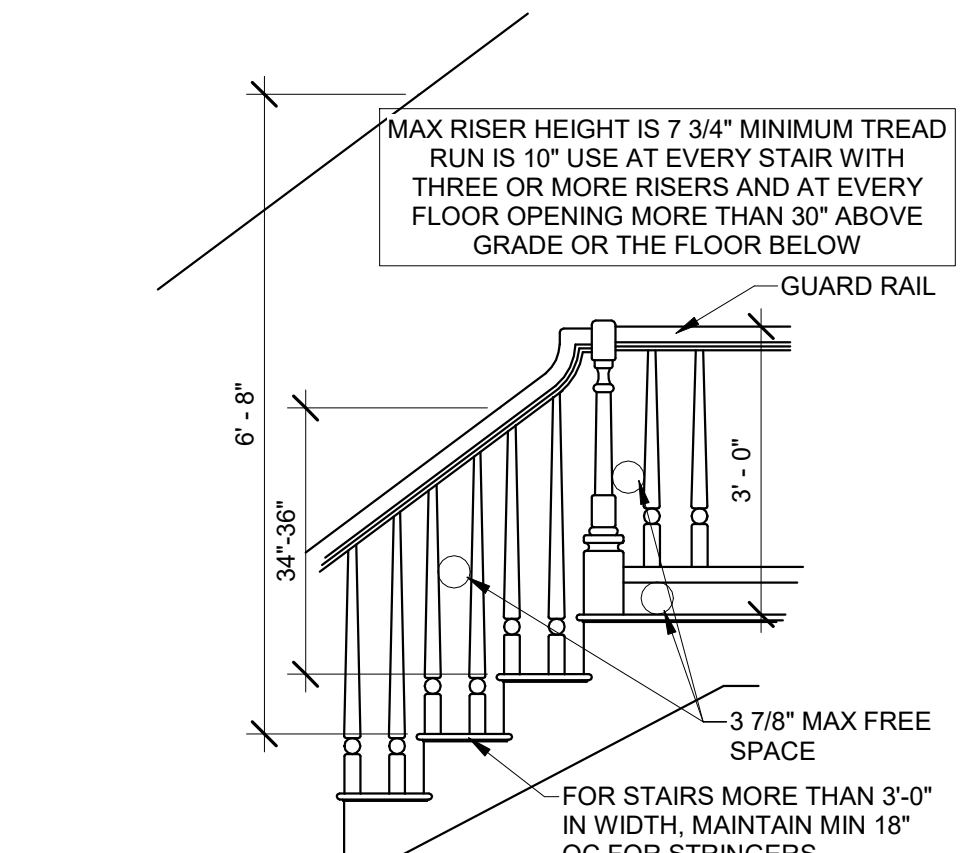
TYPE	HIP/VALLEY ALLOWABLE SPAN TABLE				
	2x8	2x10	2x12	1 3/4"x9 1/2" LVL	1 3/4"x11 7/8" LVL
HIP RAFTER	11'-3"	13'-3"	15'-2"	15'-8"	18'-2"
VALLEY RAFTER	8'-11"	10'-6"	12'-0"	13'-2"	15'-3"



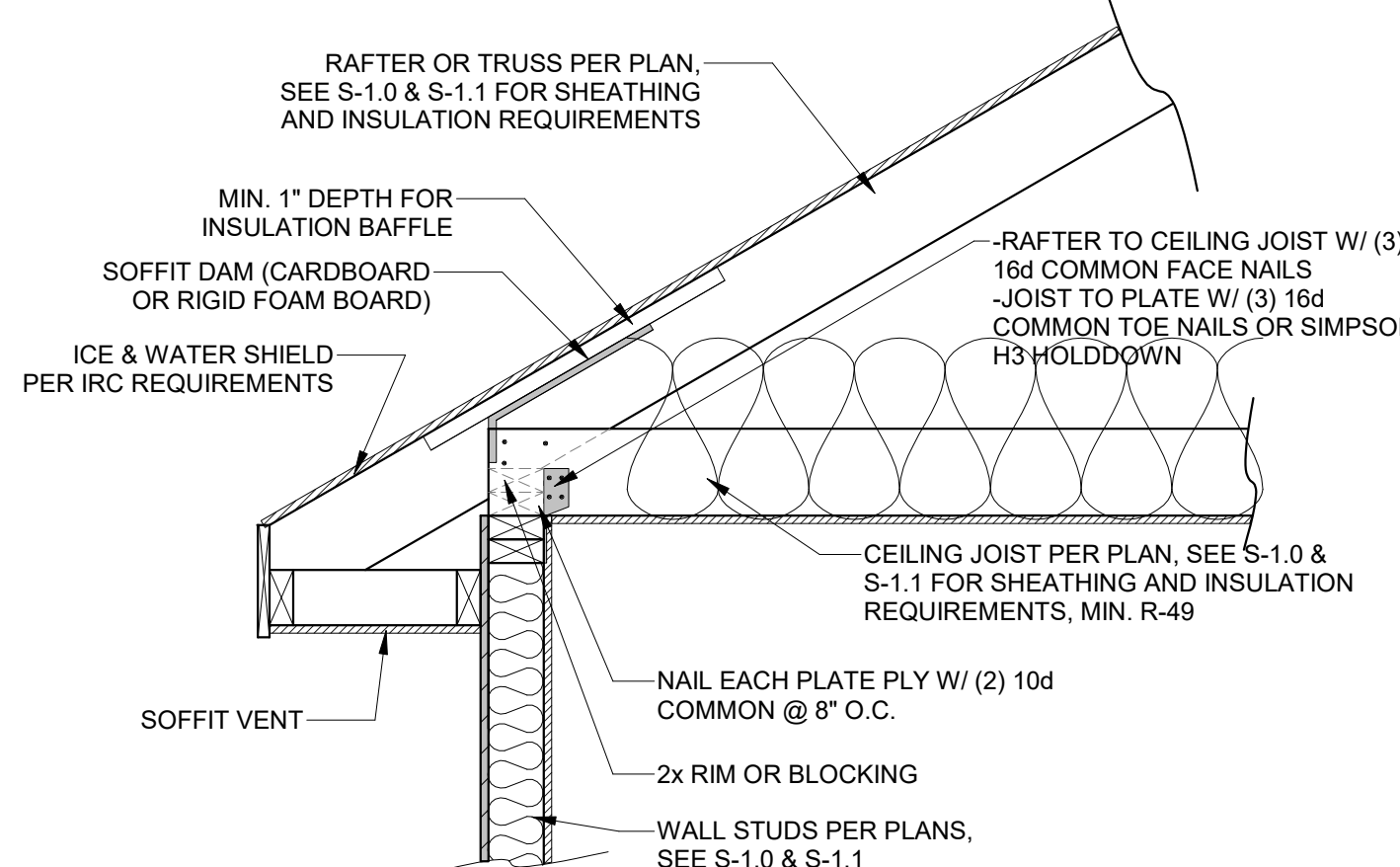
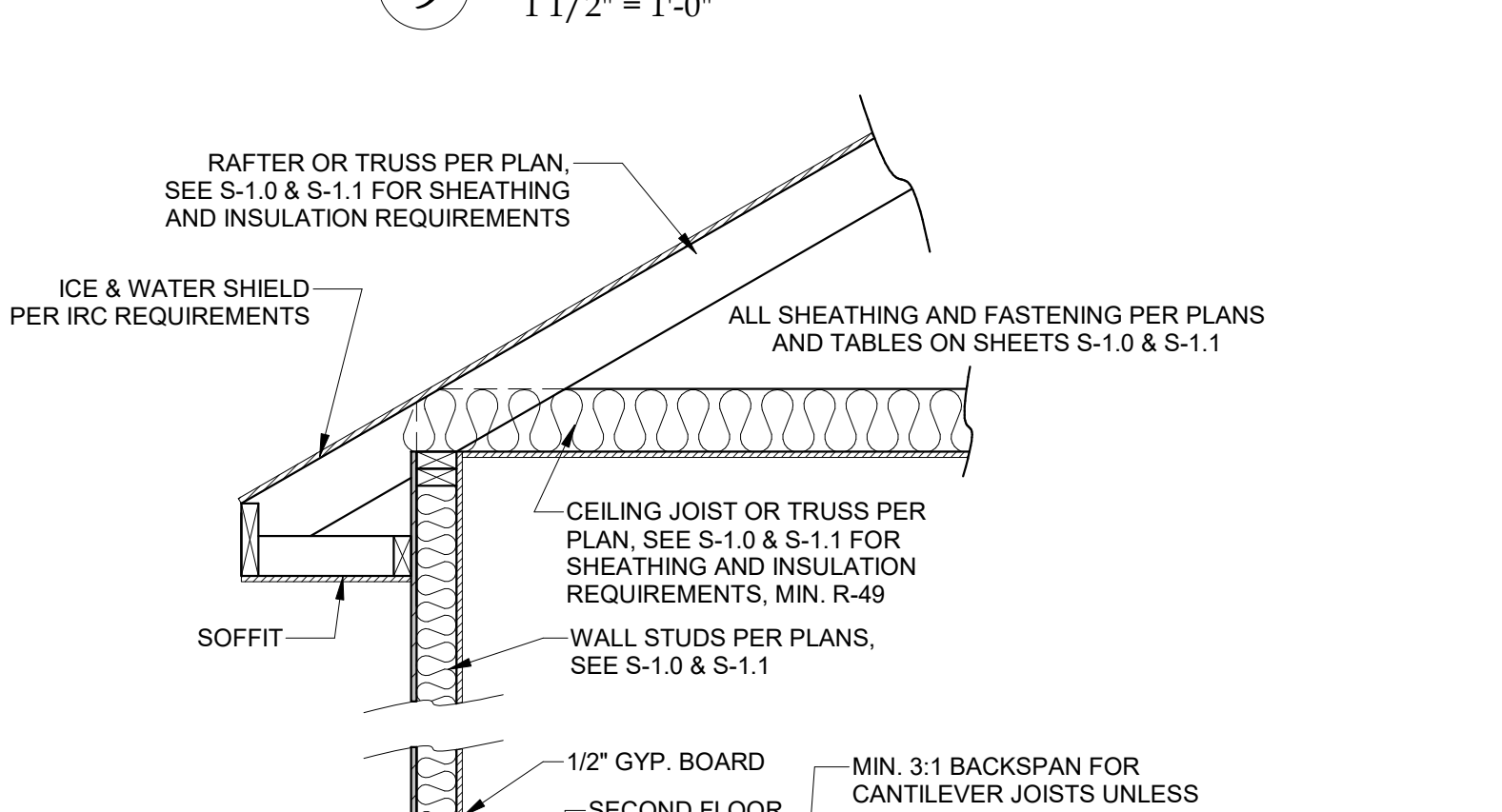
14 VAULTED RAFTER INSULATION
3/4" = 1'-0"

RAFTER SIZE	VAULT FURR DOWN SCHEDULE	
	R-30C INSULATION (X = 9 1/4")	R-38C INSULATION (X = 11 1/4")
2x6	2x6	2x8
2x8	2x4	2x6
2x10	NOT REQUIRED	2x4
2x12	NOT REQUIRED	2x2

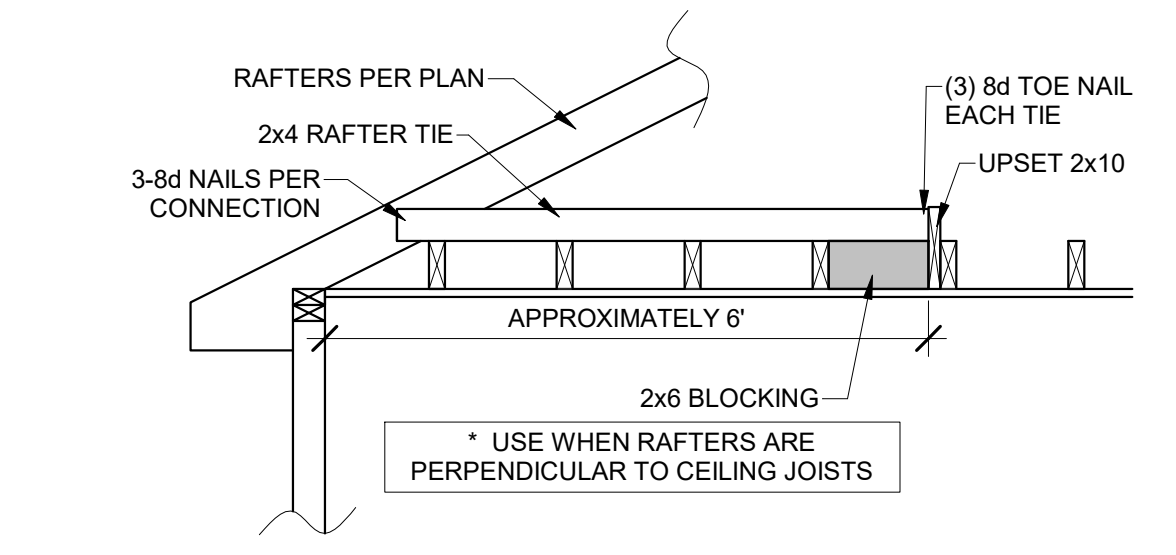
NOTES:
1. ALL VAULTS SHALL BE FURRED DOWN WITH 2X FRAMING TO THE REQUIRED DEPTH OF INSULATION, PLUS 1" AIR SPACE.
2. R-38C REQUIRED = 11" WITH AIR SPACE.
3. ALL VAULTED RAFTERS SHALL BE MIN. #2 2x6 DFL @ 16" O.C. OR PER ROOF PLAN.



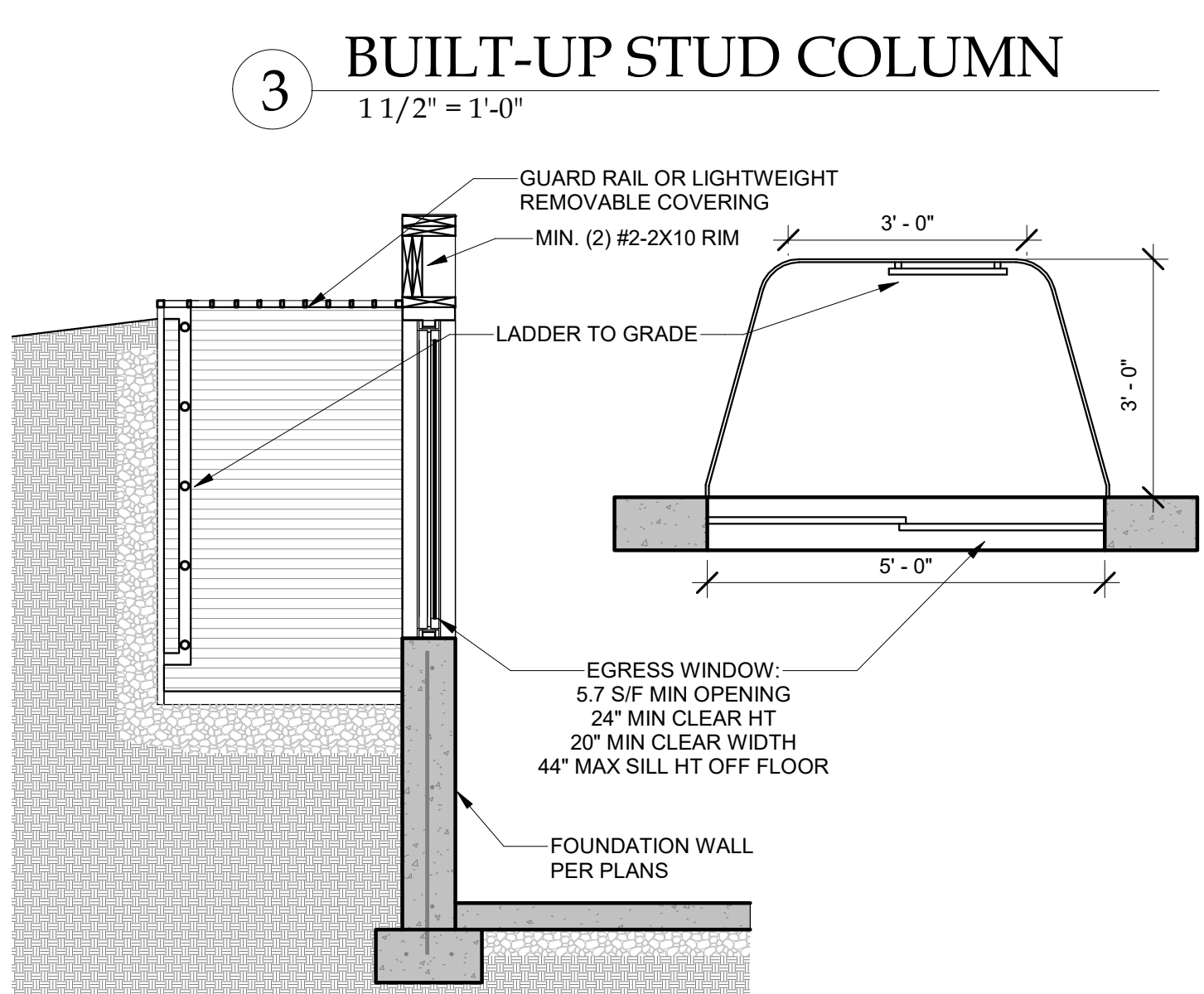
4 STAIR/ RAIL DETAIL
1/2" = 1'-0"



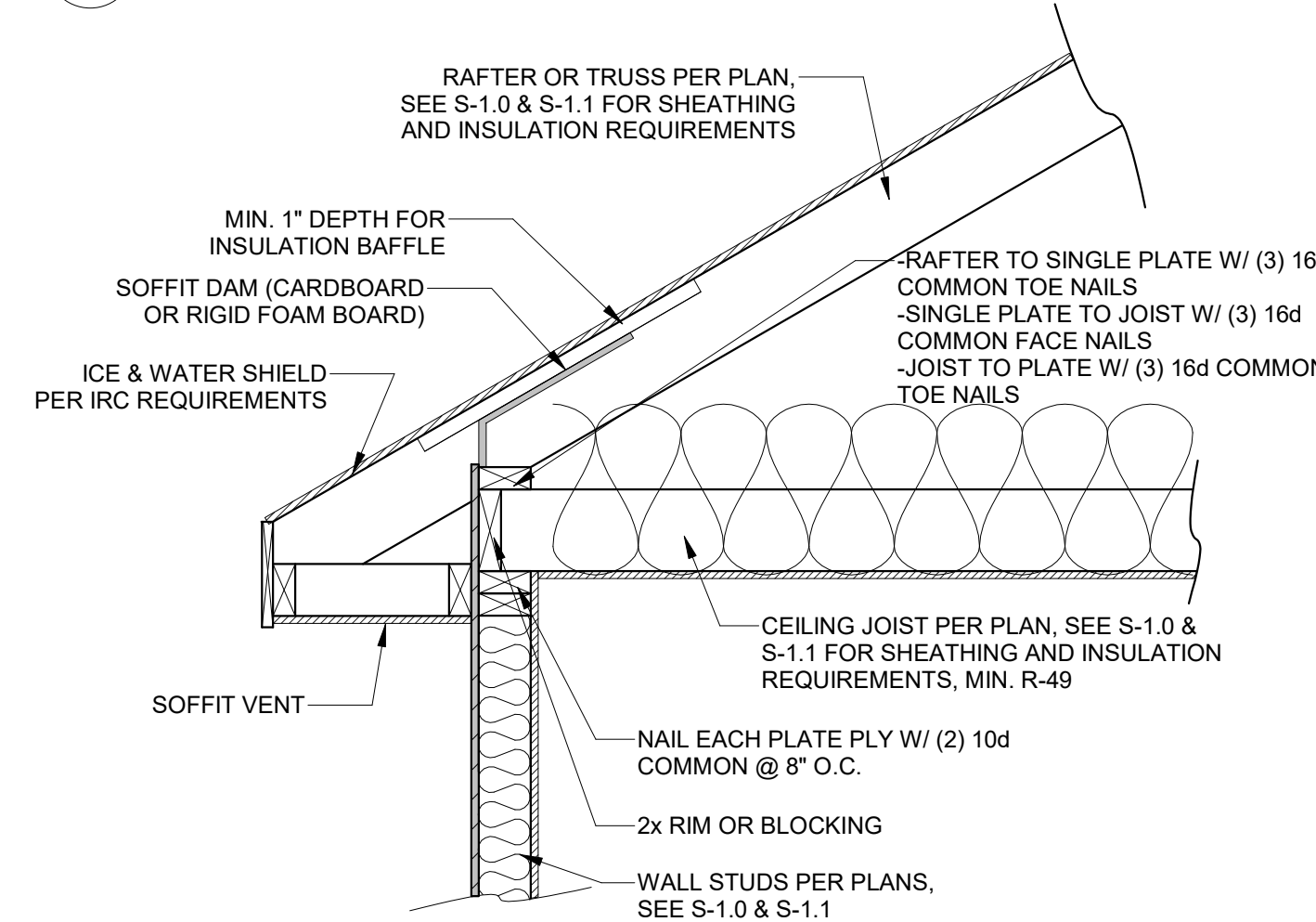
6 OPTION 3 RAFTER BEARING
1" = 1'-0"



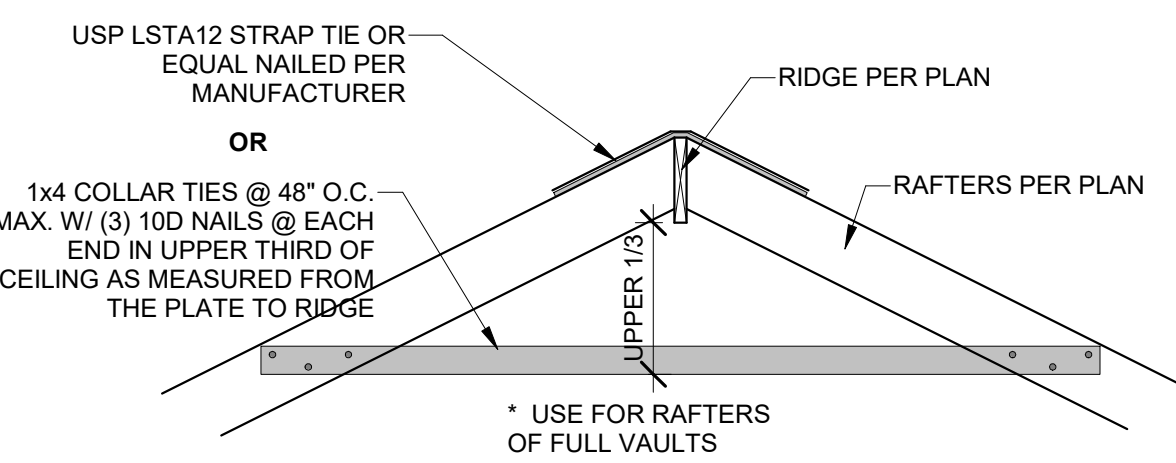
12 RAFTER TIE CONNECTION
1/2" = 1'-0"



3 BUILT-UP STUD COLUMN
1 1/2" = 1'-0"



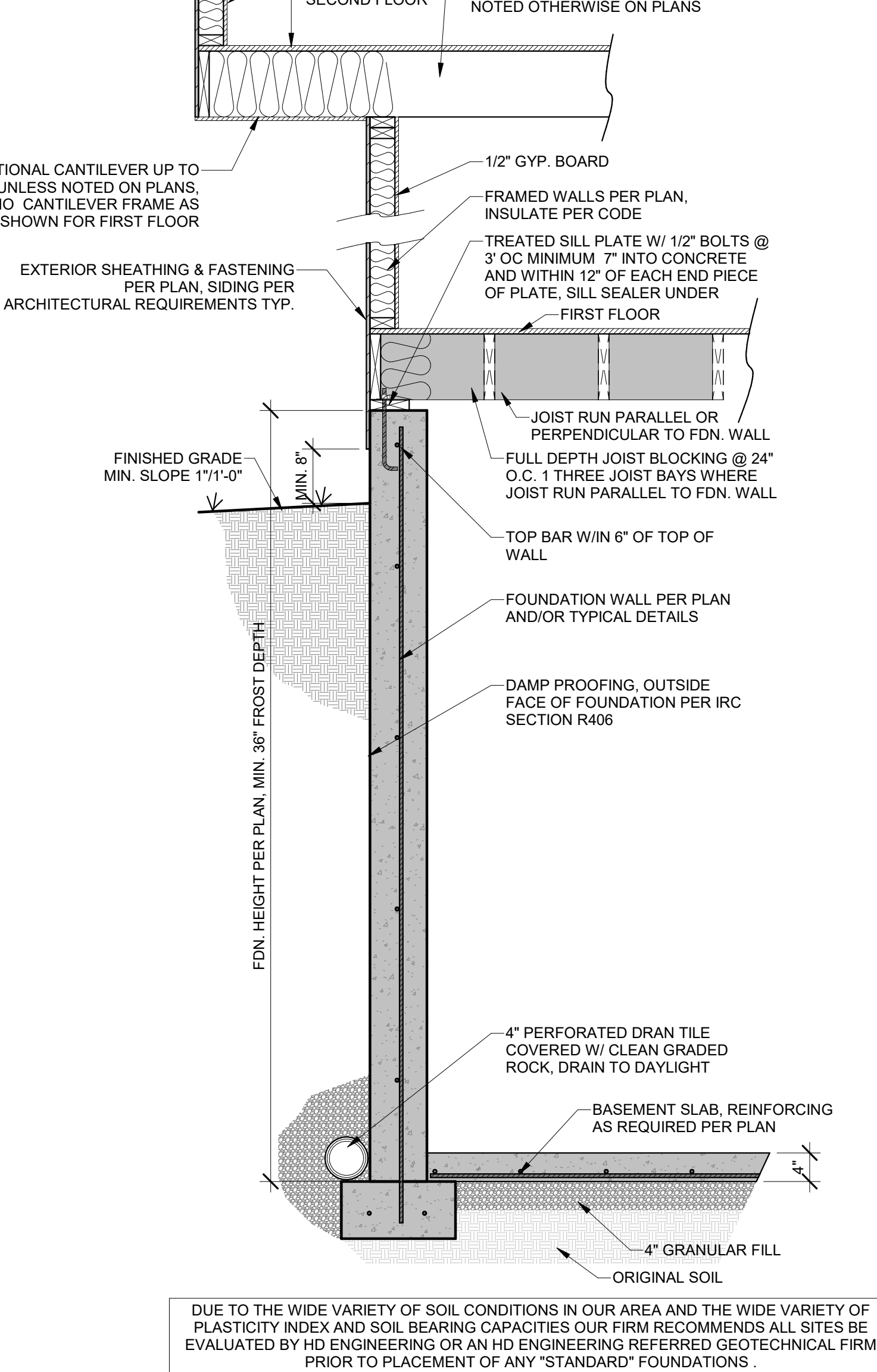
5 OPTION 2 RAFTER BEARING
1" = 1'-0"
THIS OPTION NOT AVAILABLE IN KC, MO



13 RIDGE SUPPORT
1/2" = 1'-0"



2 EGRESS WINDOW SECTION
1/2" = 1'-0"

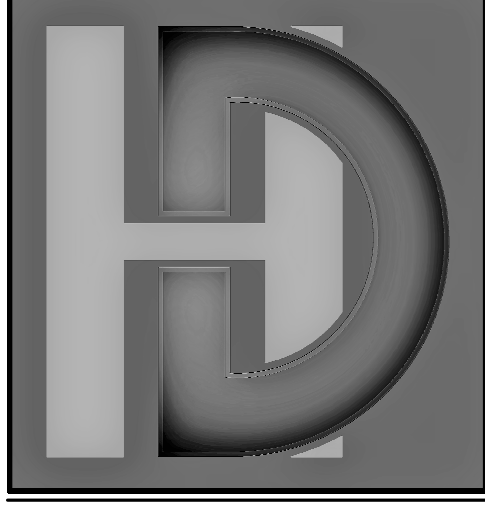


1 TYPICAL WALL SECTION
3/4" = 1'-0"

DUE TO THE WIDE VARIETY OF SOIL CONDITIONS IN OUR AREA AND THE WIDE VARIETY OF PLASTICITY INDEX AND SOIL BEARING CAPACITIES OUR FIRM RECOMMENDS ALL SITES BE EVALUATED BY HD ENGINEERING OR AN HD ENGINEERING REFERRED GEOTECHNICAL FIRM PRIOR TO PLACEMENT OF ANY "STANDARD" FOUNDATIONS.

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HD ENGINEERING & DESIGN, INC.
11656 W. 75TH STREET
SHAWNEE, KS 66214
WWW.HDENGINEERS.COM
913.631.2222
SERVICE@HDENGINEERS.COM



SAB HOMES, INC.
EXPANDED STRATOGA II HF43
2023 WHEATFIELD CT. LEE'S SUMMIT, MO

STRUCTURAL DETAILS & NOTES

HD#: 42609

DATE: 10/07/2021

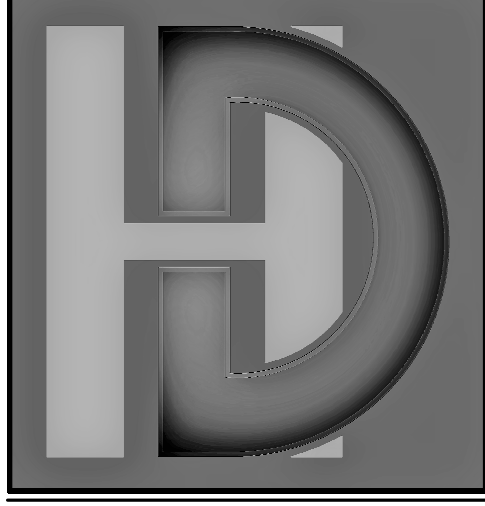
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NO.	ISSUE/REVISION	Revision Date

FRAMING SECTIONS

S-1.2

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 EXPANDED STRATOGA II HF43
 2023 WHEATFIELD CT. LEE'S SUMMIT, MO

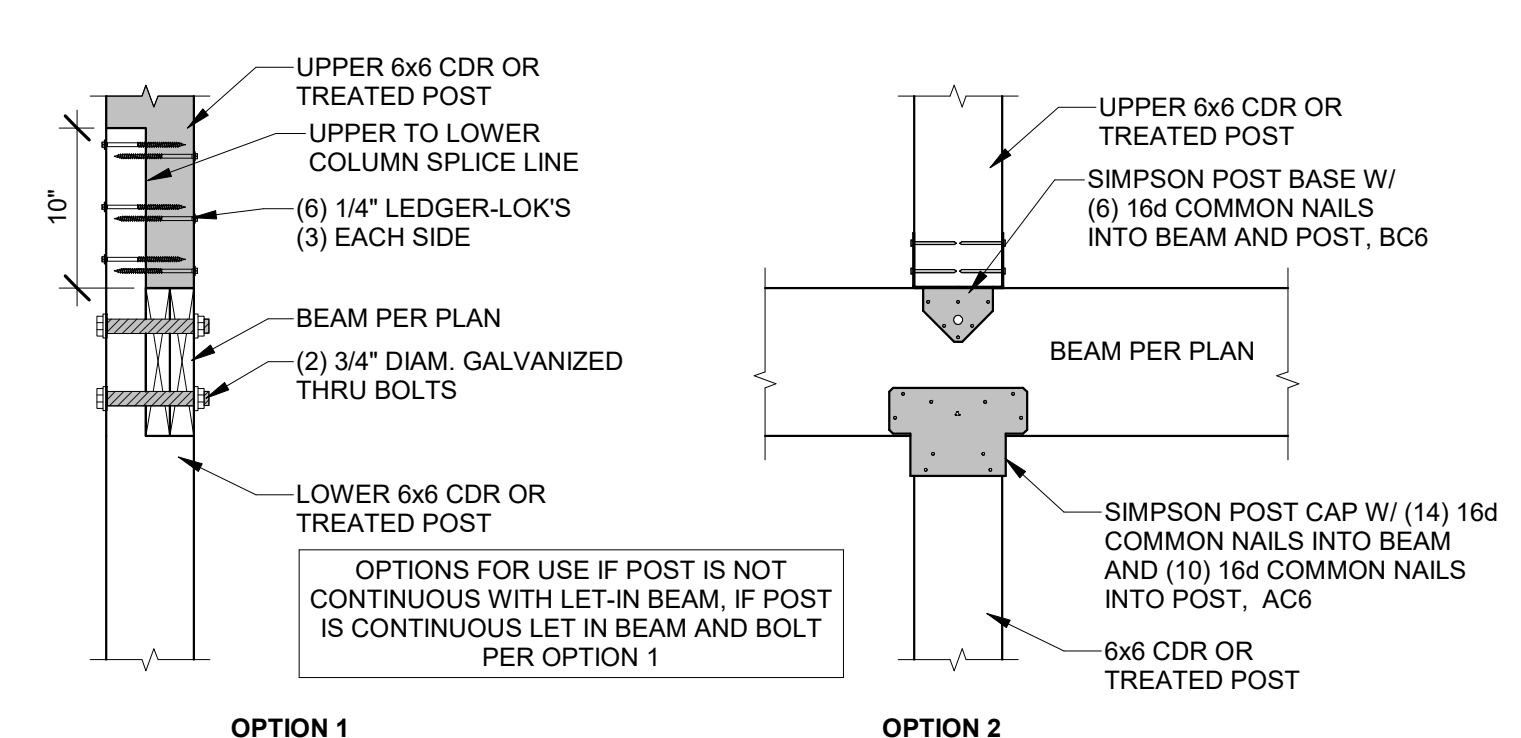
STRUCTURAL DETAILS & NOTES

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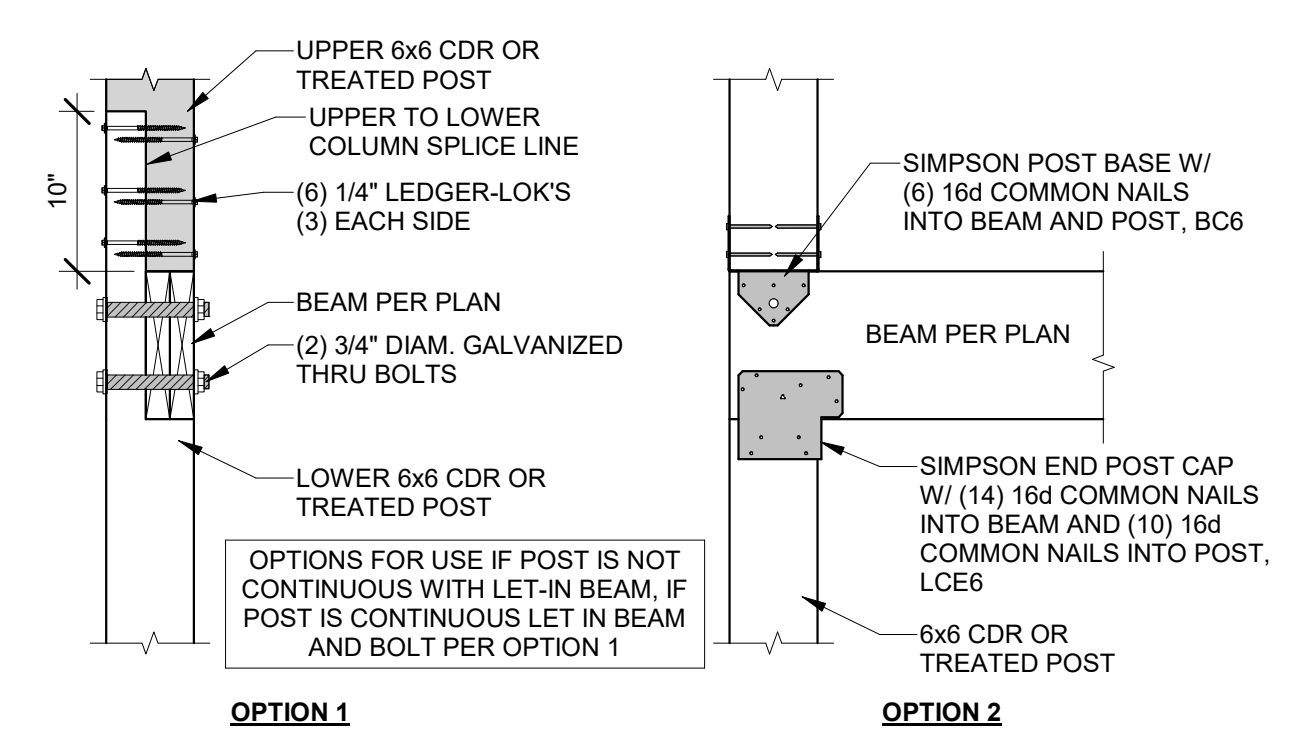
NO.	ISSUE/REVISION	Revision Date

DECK DETAILS

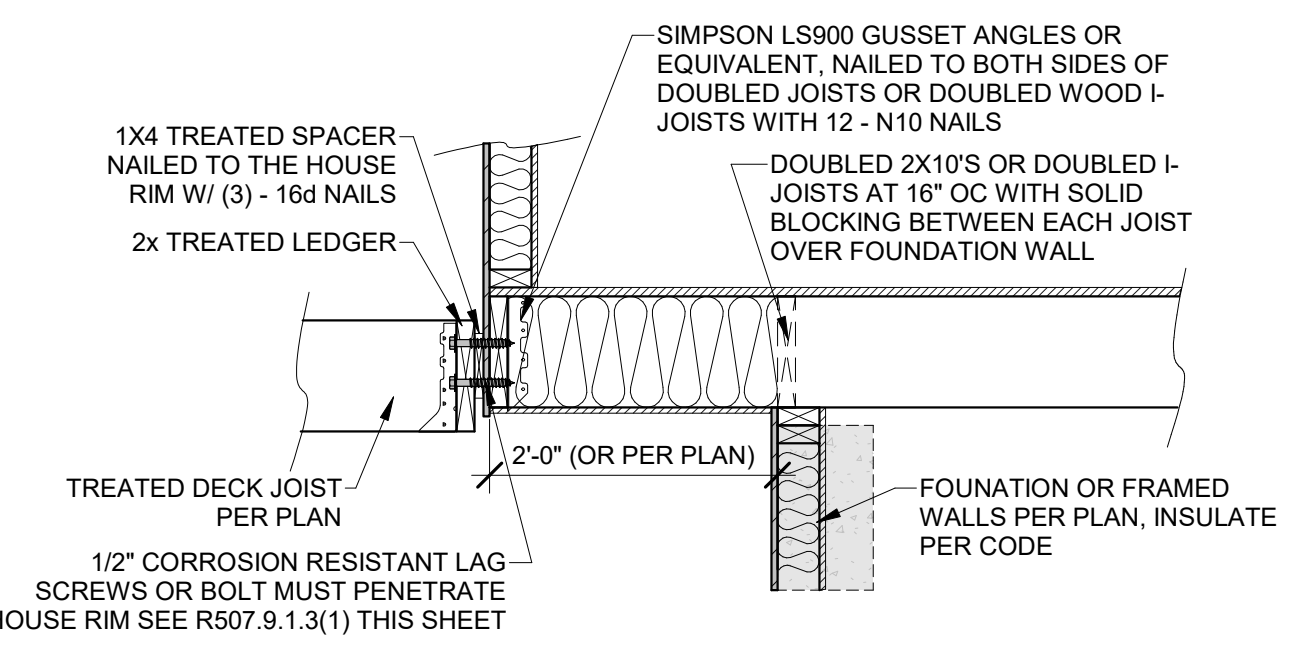
S-1.3



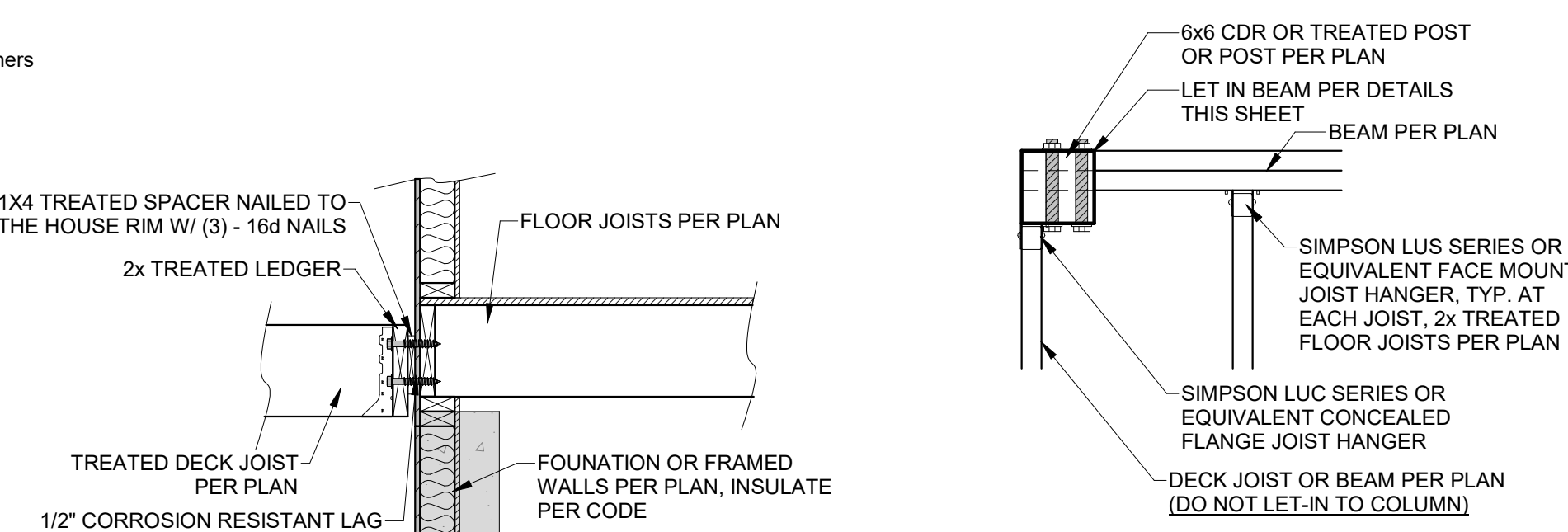
6 DECK LEVEL INTERIOR BEAM TO COLUMN
 1" = 1'-0"



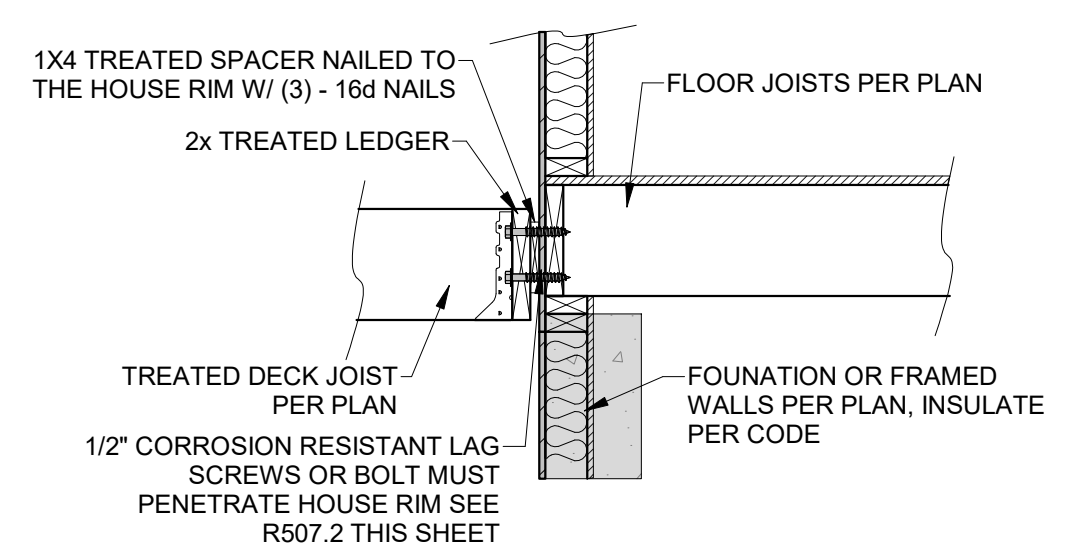
5 DECK LEVEL EXTERIOR BEAM TO COLUMN
 1" = 1'-0"



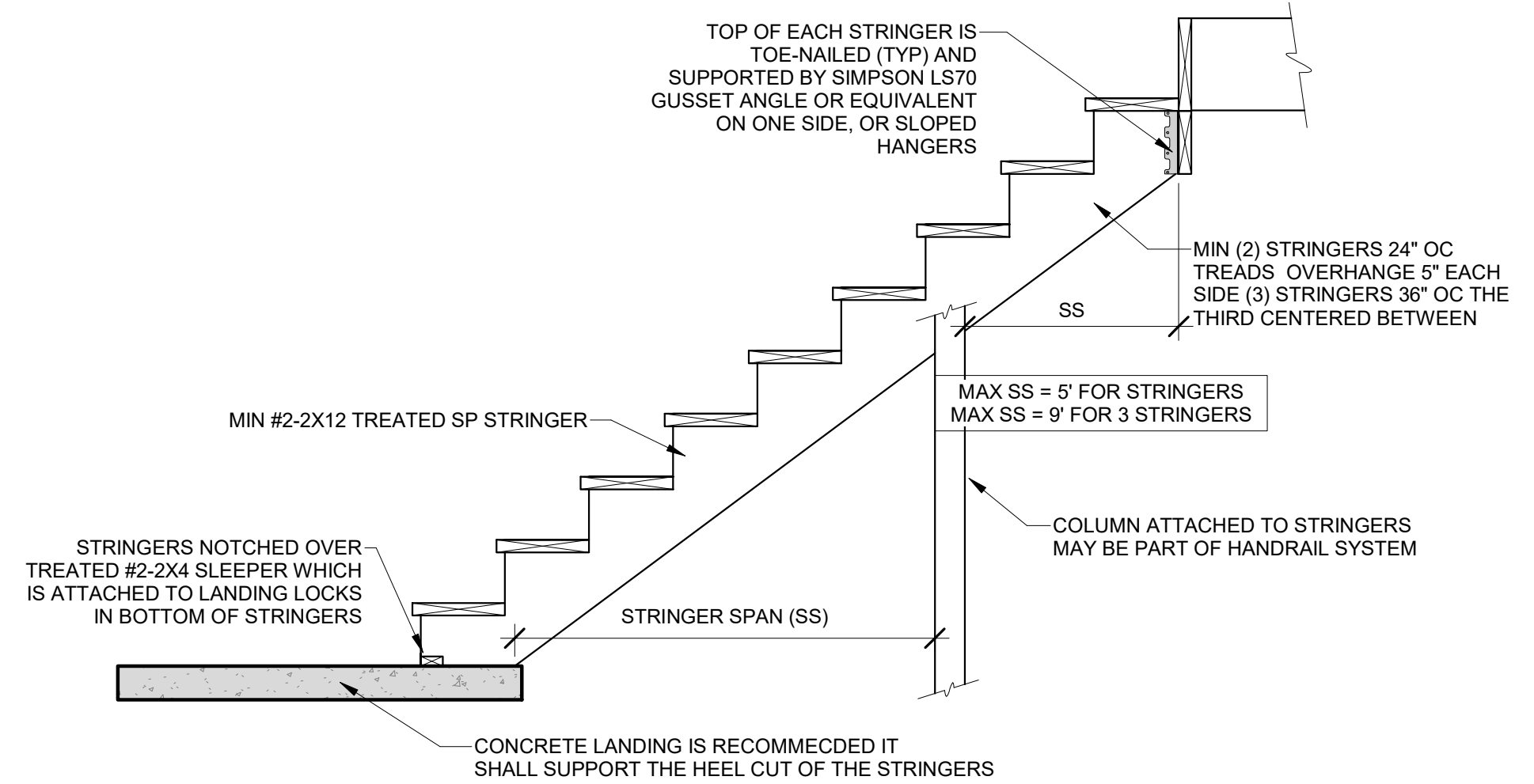
4 DECK LEDGER TO CANTILEVER
 3/4" = 1'-0"



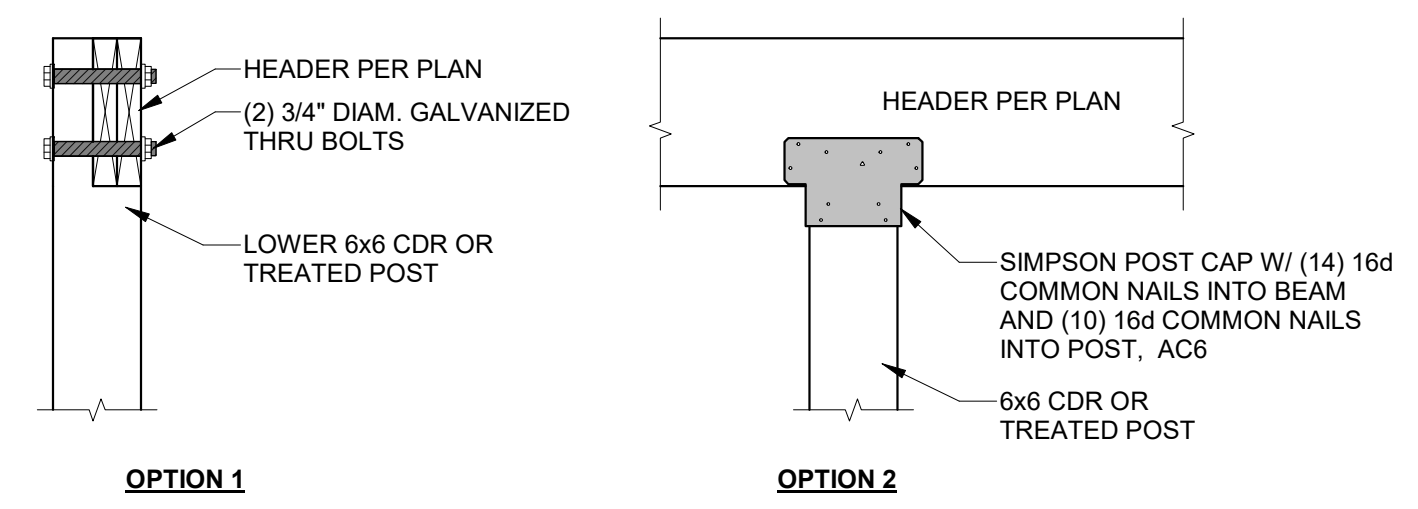
1 DECK CORNER COLUMN
 1" = 1'-0"



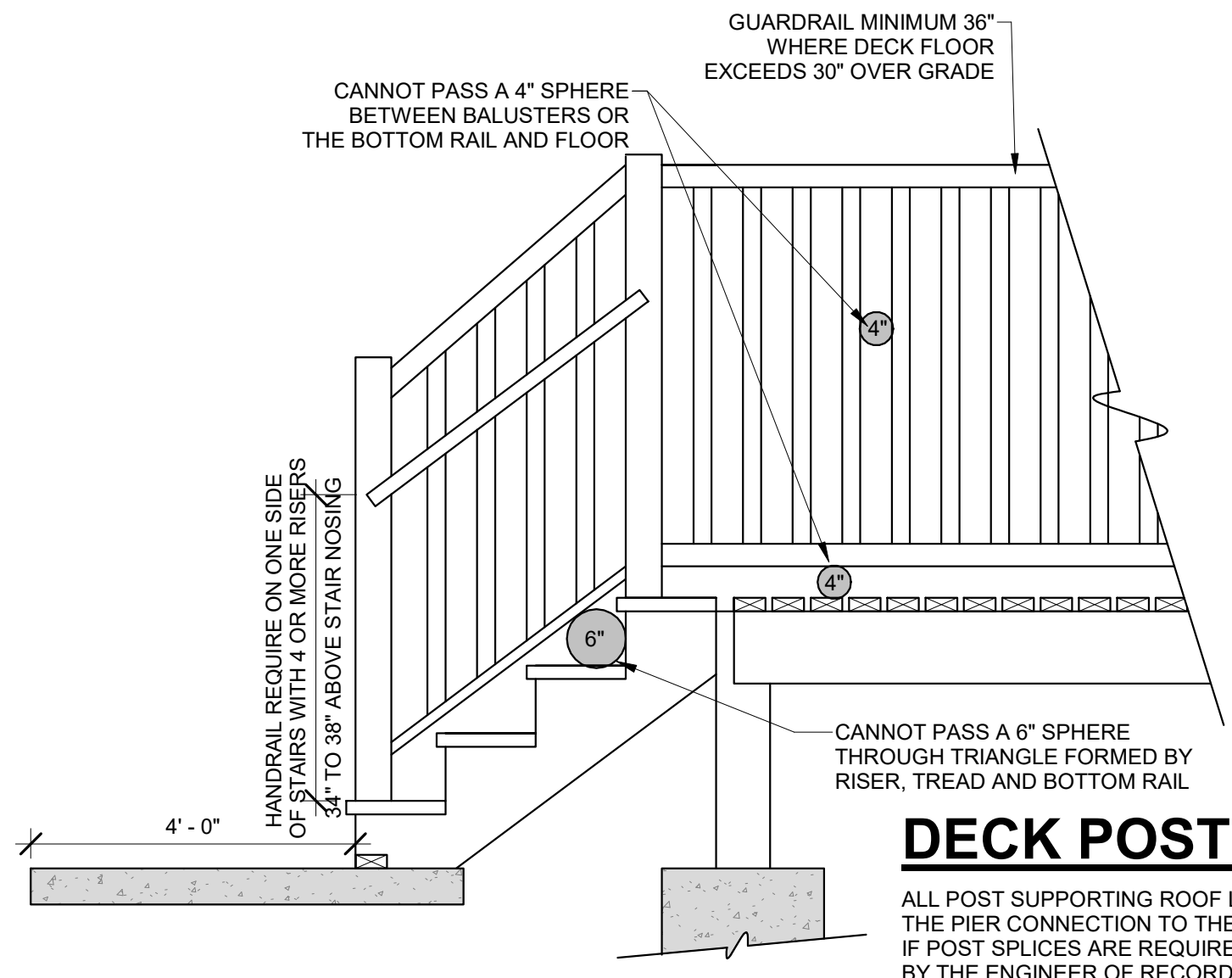
2 DECK LEDGER ATTACHMENT
 3/4" = 1'-0"



9 STAIR STRINGER DETAIL
 1/2" = 1'-0"



7 ROOF LEVEL INTERIOR BEAM TO COLUMN
 1" = 1'-0"



8 GUARD RAIL
 1/2" = 1'-0"

DECK POST NOTE

ALL POST SUPPORTING ROOF LOADS SHALL BE CONTINUOUS FROM THE PIER CONNECTION TO THE ROOF SUPPORTING STRUCTURE. IF POST SPLICES ARE REQUIRED THE SPLICE SHALL BE ENGINEERED BY THE ENGINEER OF RECORD FOR THE PROJECT

TABLE IRC2018 R507.9.1.3(1) DECK LEDGER CONNECTION TO BAND JOIST
 (DECK LIVE LOAD = 40 PSF, DECK HEAD LOAD = 10 PSF, SNOW LOAD ≤ 40 PSF)

JOIST SPAN	ON-CENTER SPACING OF FASTENERS ^{a, b}						
	6' AND LESS	6'-1" TO 8'	8'-1" TO 10'	10'-1" TO 12'	12'-1" TO 14'	14'-1" TO 16'	16'-1" TO 18'
1/2" LAG SCREW WITH 15/32" MAX. SHEATHING ^{c, d}	30	23	18	15	13	11	10
1/2" DIAM. BOLT WITH 15/32" MAX. SHEATHING ^d	36	36	34	29	24	21	19
1/2" DIAM. BOLT WITH 15/32" MAX. SHEATHING & 1/2" STACKED WASHERS ^e	36	36	29	24	21	18	16

For SI: 1 inch = 25.4mm, 1 foot = 304.8mm, 1 pound per square foot = 0.0479 kPa
 a. Ledges shall be flashed in accordance with Section R703.4 to prevent water from contacting the house band joist.
 b. Snow load shall not be assumed to act concurrently with live load.
 c. The tip of the lag screw shall fully extend beyond the inside face of the band joist.
 d. Sheathing shall be wood structural panel or solid sawn lumber.
 e. Sheathing shall be permitted to be wood structural panel, gypsum board, fiberboard lumber or foam sheathing. Up to 1/2" thickness of stacked washers shall be permitted to substitute for you to 1/2" of allowable sheathing thickness where combined with wood structural panel or lumbers sheathing.

TABLE IRC2018 R507.9.1.3(2) PLACEMENT OF LAG SCREWS AND BOLT IN DECK LEDGERS AND BAND JOISTS

	MINIMUM END AND EDGE DISTANCES AND SPACING BETWEEN ROWS			
	TOP EDGE	BOTTOM EDGE	ENDS	ROW SPACING
LEDGER ^a	2 inches ^d	3/4 inches	2 inches ^b	1 5/8 inches ^b
BAND JOIST ^c	3/4 inches	2 inches	2 inches	1 5/8 inches ^b

For SI: 1 inch = 25.4mm.
 a. Lag screws or bolts shall be staggered from the top to the bottom along the horizontal run of the deck ledger in accordance with Figure R507.9.1.3(1)
 b. Maximum: 5 inches
 c. For engineered rim joists, the manufacturer's recommendations shall govern.
 d. The minimum distances from bottom row of lag screws or bolts to the top of the ledger shall be in accordance with Figure R507.9.1.3(1)

RESIDENTIAL SEISMIC & WIND ANALYSIS

DETERMINE WEIGHT OF HOUSE				CALCULATED VALUE			
LOCATION		DEAD LOAD (psf)	AREA (sq ft)	WEIGHT (lbs.)			
ROOF		10	4135	41350			
CEILING		10	4033	40330			
SECOND FLOOR		10	1340	13400			
FIRST FLOOR		10	1770	17700			
SECOND FLOOR EXT. WALL DL	WALL LENGTH (ft)	WALL HEIGHT (ft)	WALL UNIT WT. (psf)	WEIGHT (lbs.)			
FIRST FLOOR EXT. WALL DL	185.66	10	10	18566			
SECOND FLOOR INT. PARTITION WALL DL	228	10	10	22800			
FIRST FLOOR INT. PARTITION WALL DL							
DEAD LOAD (psf)	AREA (sq ft)	WEIGHT (lbs.)					
10	1340	13400					
10	1770	17700					
10	185.66	18566					
10	228	22800					
10	4033	40330					
10	4135	41350					
10	1340	13400					
10	1770	17700					
10	185.66	18566					
10	228	22800					
10	4033	40330					
10	4135	41350					

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		
AREA	LOAD		AREA	LOAD	
SLOPED ROOF	571	4926	SLOPED ROOF	571	4926
VERT. ROOF	2946		VERT. ROOF	440	2437
CUMULATIVE	14399		CUMULATIVE	1011	7463
2ND	517	4516	2ND	504.13	4377
1ST	594	5185	1ST	660	5729
BSMT	0	0	BSMT	100	23772
PRESSURE (PSF) - PER ASCE CH. 6			PRESSURE (PSF) - PER ASCE CH. 6		
SLOPED ROOF	ZONE B	11.3	SLOPED ROOF	ZONE C	11.3
WALL/VERT. ROOF	ZONE A	14.2	WALL/VERT. ROOF	ZONE D	7.7
MEAN ROOF HT. (ft)	35		MEAN ROOF HT. (ft)	35	

SEISMIC SHEAR		From ASCE7 (Eq. 12.8-1):	V (= 1.2 * S _{DS} * W / R) (lbs.)
LOCATION			2150
2ND FLOOR			3145
1ST FLOOR			3145
BASEMENT			3145

Sheathing Location	Min. Sheathing Schedule	Fastening Schedule	Allowable Shear (#/LF)	Code Reference
Exterior (Option #1)	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 @ 8" 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 #2)	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 #3)	7/16" APA Rated Plywood OSB or shiplap panel sheathing, or 3/8" 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)	(1) 16d @ end studs & (1) 8d @ intermediate studs (per manufacturer specifications - see detail on sheet S3)	325	

EXTERIOR SHEATHING OPTION FOR SECOND FLOOR	4	WIDTH OF 1ST STORY (FT.)	54	WIDTH OF 2ND STORY (FT.)	47
EXTERIOR SHEATHING OPTION FOR FIRST FLOOR	4	DEPTH OF 1ST STORY (FT.)	60	DEPTH OF 2ND STORY (FT.)	45.63
EXTERIOR SHEATHING OPTION FOR BASEMENT WALLS	6	BACK WALL OF GARAGE (FT.)	32		
		GAR. WALL 1+1-B, 2+S-S	2		

EXTERIOR STRUCTURAL WALL LENGTHS (ft.) & RESISTANCES								
LOCATION	SEISMIC				WIND			
	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)	FRONT-TO-BACK	RESISTANCE (lbs.)	SIDE-TO-SIDE	RESISTANCE (lbs.)
2ND FLOOR	75	21000	73.86	20625	75	29400	73.66	28875
1ST FLOOR	89	24870	104	29120	89	34888	104	40789
BASEMENT	0	0	25	11750	0	0	25	16450

ADDITIONAL RESISTANCE REQUIRED			
SEISMIC	WIND	Anchor Bolt Spacing (in.)	16d Nail Spacing req'd at bottom plate (in.)
2ND FLOOR FRONT-TO-BACK	0	0.15	2nd Floor F-B
2ND FLOOR SIDE-TO-SIDE	0	0	2nd Floor S-S
1ST FLOOR FRONT-TO-BACK	0	0	1st Floor F-B
1ST FLOOR SIDE-TO-SIDE	0	0	1st Floor S-S
BASEMENT FRONT-TO-BACK	0	0	
BASEMENT SIDE-TO-SIDE	0	7.92	

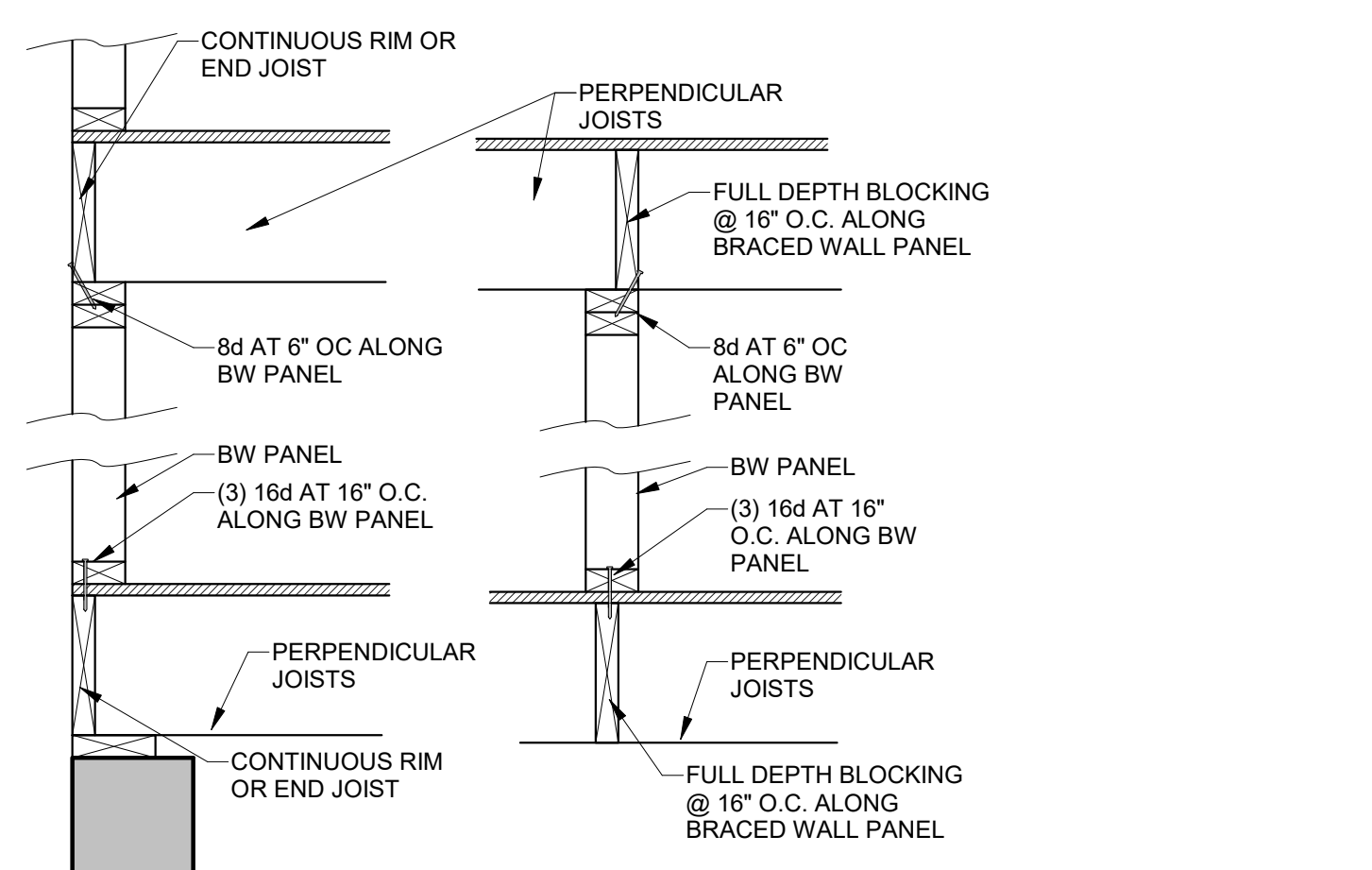
RESISTANCE REQUIRED IN ADDITION TO RESISTANCE PROVIDED BY EXTERIOR WALLS**						
LOCATION	ADDITIONAL RESISTANCE REQUIRED (POUNDS)	PORTAL FRAMES OR PERF. SHEAR WALL RESISTANCE	INTERIOR X-BRACES (32#/BRACE)	INT. WALL LENGTH SHEATHED W/ OSB (TOTAL LENGTH, ONE SIDE, FT.)	RESISTANCE PROVIDED BY ADDITIONAL 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	7322				0	NO

WIND UPLIFT ANALYSIS						
ROOF PITCH (MAX)	X/12	DEGREES	PITCH OF 6 OR LESS: EOH-13.3, E-7.2, G-5.2			
	12	45.0				
OVERHANG	LENGTH (FT.)	PRESSURE (PSF)	LINEAL FT. OF OH	UPLIFT PER FT. (LBS)		
	-1.08	230	-1.08			
TOTAL AREA (FT ²)	3240	ZONE E AREA (FT ²)	PRESSURE ZN. E (PSF)	TOTAL FORCE (LBS)	FORCE PER LINEAL FT. @ PERIMETER (LBS)	
	1538.568	1701.432	-1.08	-2274	-10.0	
MAIN ROOF**						
ALONG PERIMETER	TOTAL UPLIFT PER LINEAL FOOT ALONG EXTERIOR (POUNDS)					
INSIDE EXTERIOR WALLS	RESISTANCE DUE TO DEAD WEIGHT & (3) 16d TOPNAILS					
	-11.1					
						UPLIFT OK

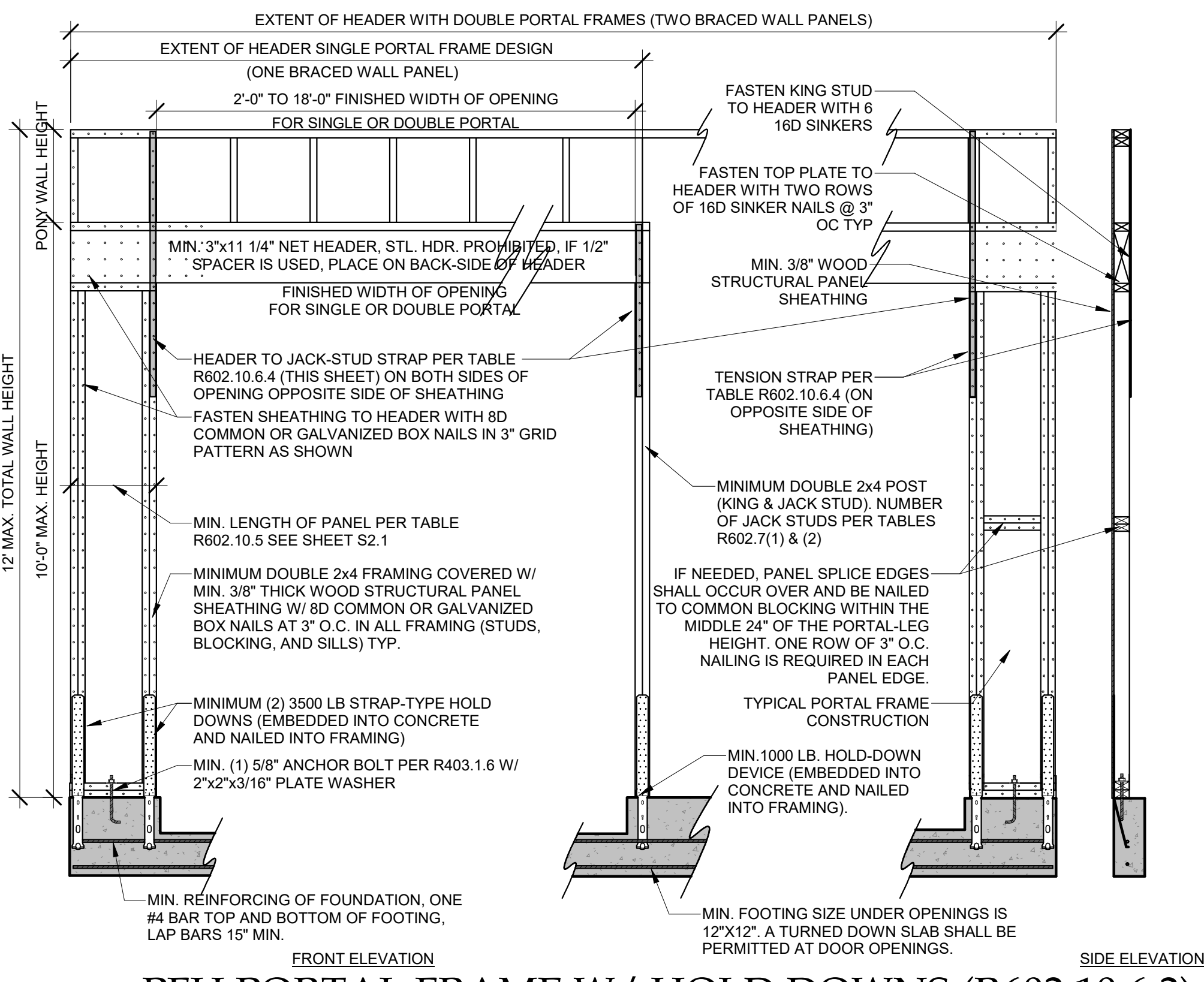
NOTE FOR CONSTRUCTION: THE CONTINUOUS STRUCTURAL PANEL SHEATHING BRACING METHOD REQUIRES USE OF THE ABOVE TABLE FOR SHEATHING OF THE ENTIRE STRUCTURE. IN ADDITION, FRAMING MEMBERS SHALL BE @ 16" O.C. MAX., UNBLOCKED, AND W/ SHEATHING APPLIED DIRECTLY TO FRAMING MEMBERS.

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 220 A WIND SHEAR VALUE OF 355#/FT - 40% GREATER THAN THAT OF SEISMIC.

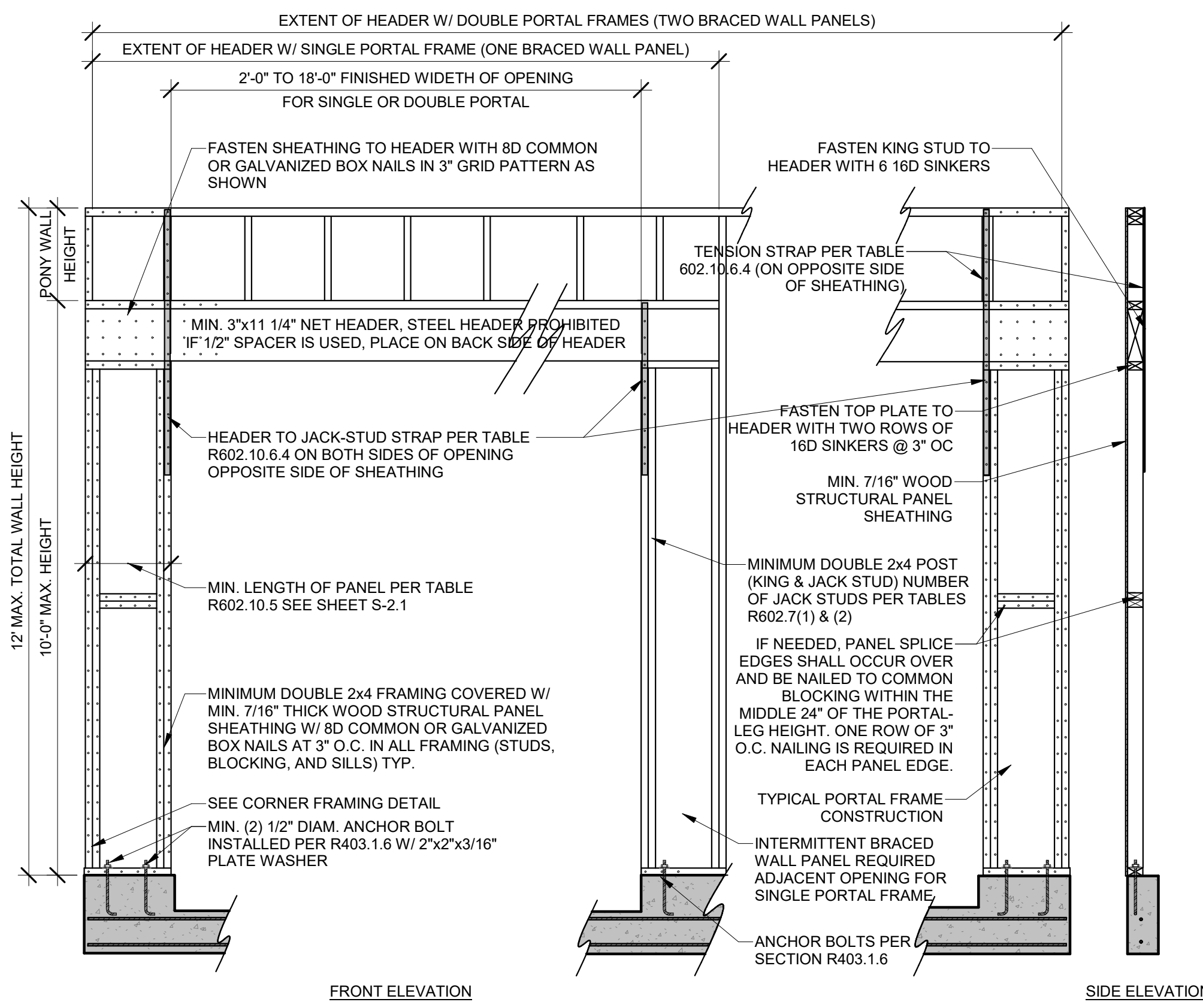
NOTE: SOIL SITE CLASS ASSUMED TO BE CLASS D. IF SITE CONDITIONS ARE DETERMINED TO BE CLASS E OR F, CONSULT ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.



3 BRACED WALL PANEL CONNECTIONS
1" = 1'-0"



1 PFH PORTAL FRAME W/ HOLD DOWNS (R602.10.6.2)
1/2" = 1'-0"



2 PFG PORTAL FRAME W/OUT HOLD DOWNS (R602.10.6.3)
1/2" = 1'-0"

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HD ENGINEERING & DESIGN, INC.
11656 W. 75TH STREET
SHAWNEE, KS 66214
WWW.HDENGINEERS.COM
913.631.2222
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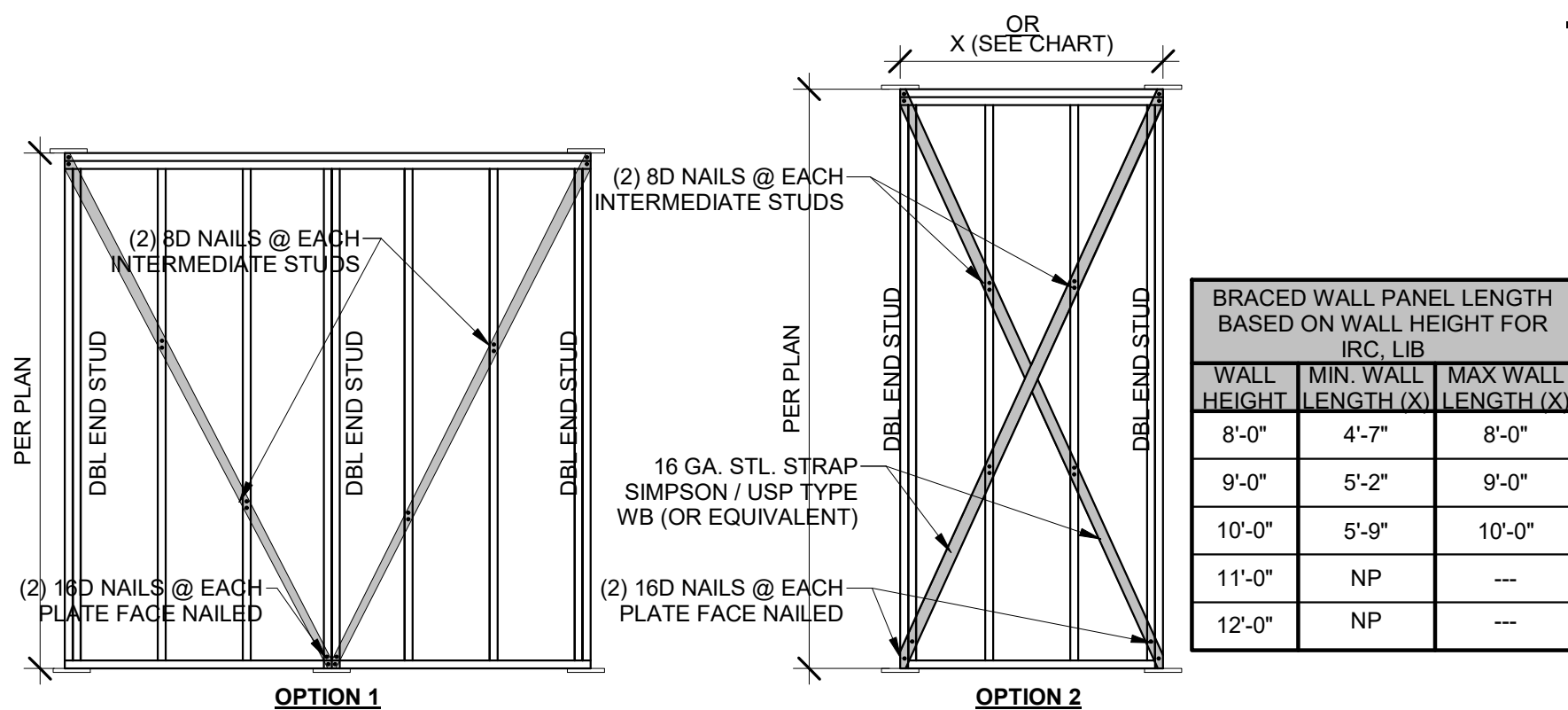


SAB HOMES, INC.
EXPANDED STRATOGA II HF43
2023 WHEATFIELD CT. LEE'S SUMMIT, MO

STRUCTURAL DETAILS & NOTES

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NO.	ISSUE/REVISION	Revision Date

TENSION STRAP CAPACITY REQUIRED FOR RESISTING WIND PRESSURES PERPENDICULAR TO METHOD PFH, PFG AND CS-PF BRACED WALL PANELS IRC2018 TABLE R602.10.6.4



6 LIB BRACING
3/8" = 1'-0"

FOR IRC CODE PRESCRIPTIVE METHOD
TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS

METHOD (SEE TABLE R602.10.4)	MINIMUM LENGTH (INCHES) ^a					CONTRIBUTING LENGTH (INCHES)	
	WALL HEIGHT						
	8 FEET	9 FEET	10 FEET	11 FEET	12 FEET		
DWB,WSP,SFB,PBS,PCP,HPS,BV-WSP	48	48	48	53	58	ACTUAL ^b	
GB	48	48	48	53	58	DOUBLE SIDED = ACTUAL SINGLE SIDED = .5xACTUAL	
LIB	55	62	69	NP	NP	ACTUAL ^b	
ABW	SDC A, B, AND C ULTIMATE DESIGN WIND SPEED <140	28	32	34	38	42	48
	SDC D, D ₁ , D ₂ ULTIMATE DESIGN WIND SPEED <140	32	32	34	NP	NP	
PFH	SUPPORTING ROOF ONLY	16	16	16	NOTE C	NOTE C	48
	SPTNG. ONE STORY & ROOF	24	24	24	NOTE C	NOTE C	
PFG		24	27	30	NOTE D	NOTE D	1.5 x ACTUAL ^b
CS-G		24	27	30	33	36	ACTUAL ^b
CS-PF		16	18	20	NOTE E	NOTE E	ACTUAL ^b
CS-WSP, CS-SFB	ADJACENT CLEAR OPENING HEIGHT (INCHES)						ACTUAL ^b
	≤64	24	27	30	33	36	
	68	26	27	30	33	36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	
	80	32	30	30	33	36	
	84	35	32	32	33	36	
	88	38	35	33	33	36	
	92	43	37	35	35	36	
	96	48	41	38	36	36	
	100	-	44	40	38	38	
	104	-	49	43	40	39	
	108	-	54	46	43	41	
	112	-	-	50	45	43	
	116	-	-	55	48	45	
	120	-	-	60	52	48	
124	-	-	-	56	51		
128	-	-	-	61	54		
132	-	-	-	66	58		
136	-	-	-	-	62		
140	-	-	-	-	66		
144	-	-	-	-	72		

^a LINEAR INTERPOLATION SHALL BE PERMITTED
^b USE THE ACTUAL LENGTH WHEN IT IS GREATER THAN OR EQUAL TO THE MINIMUM LENGTH
^c MAX. HEADER HEIGHT FOR PFH IS 10' IN ACCORDANCE WITH R602.10.6.2. WALL HEIGHT MAY BE INCREASED TO 12' WITH PONY WALL
^d MAX. OPENING HEIGHT FOR PFG IS 10' IN ACCORDANCE WITH R602.10.6.3. WALL HEIGHT MAY BE INCREASED TO 12' WITH PONY WALL
^e MAX. OPENING HEIGHT FOR CS-PF IS 10' IN ACCORDANCE WITH R602.10.6.4. WALL HEIGHT MAY BE INCREASED TO 12' WITH PONY WALL

BRACED WALL PRESCRIPTIVE METHOD:
CONTINUOUS EXTERIOR SHEATHING (CS-WSP) PER WSP METHOD (BELOW) UNLESS OTHERWISE NOTED ON THE PLAN

EXTERIOR BRACED WALL METHOD: (SEE ON THIS SHEET)

WOOD STRUCTURAL PANEL SHEATHING WITH A THICKNESS NOT LESS THAN 3/8" WITH MINIMUM SPAN RATING OF 24/0 FOR 16" O.C. STUD SPACING WITH 8d COMMON NAILS @ 6" O.C. EDGES AND 12" O.C. FIELD OR SHEATHING THICKNESS NOT LESS THAN 7/16" WITH MINIMUM SPAN RATING OF 24/16 FOR 24" O.C. SPACING WITH 8d COMMON NAILS @ 6" O.C. EDGES AND 12" O.C. IN FIELD (NOTE: FRAMING MEMBERS 16" O.C. MAX. UNBLOCKED, AND W/ SHEATHING APPLIED DIRECTLY TO FRAMING MEMBERS).

INTERIOR BRACED WALLS (SEE ON THIS SHEET)

GB METHOD:
1/2" MINIMUM GYPSUM BOARD OVER STUDS SPACED @ 24" MAXIMUM FASTENED W/ #6-1 1/4" TYPE "W" OR "S" DRYWALL SCREWS @ 7" O.C. EDGES AND FIELD (MIN. 4'-0" SECTION FOR BOTH SIDES) OR

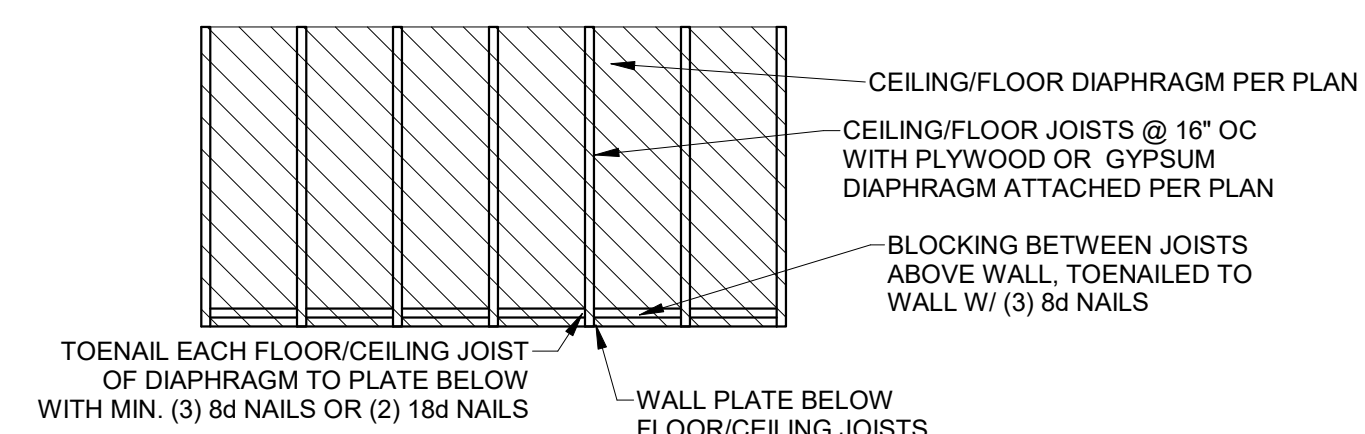
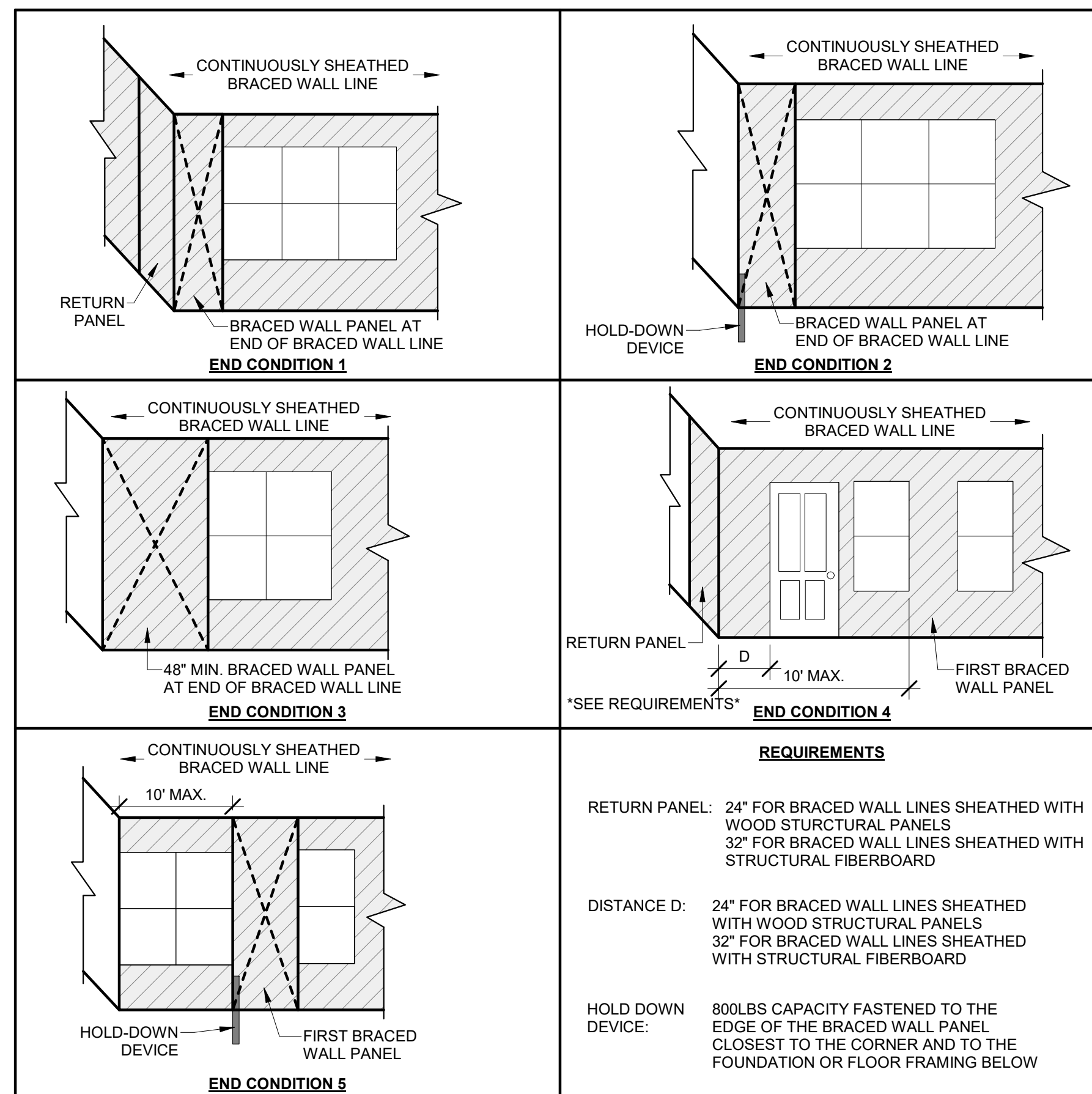
LIB METHOD:
1x4 WOOD FASTENED W/ (3) 8d COMMON NAILS OR SIMPSON / USP 16 GA. TYPE WB (OR EQUIVALENT) STL. X-BRACE(S) @ 45° TO 60° ANGLES, MAXIMUM 16" O.C. STUDS FASTENED PER MANUF. SPECS.

MINIMUM WALL STUD FRAMING NOMINAL SIZE & GRADE	MAX. PONY WALL HEIGHT (FEET)	MAX. TOTAL WALL HEIGHT (FEET)	MAX. OPENING WIDTH (FEET)	TENSION STRAP CAPACITY REQUIRED (POUNDS) ^a	
				ULTIMATE DESIGN WIND SPEED V (MPH)	
				115	115
				EXPOSURE B	EXPOSURE C
2x4 NO. 2 GRADE	0	10	18	1,000	1,000
			9	1,000	1,000
			16	1,025	2,500
			18	1,275	2,850
			9	1,000	1,875
			16	2,175	4,125
	2	10	18	2,500	DR
			9	1,500	3,175
			16	3,375	DR
			18	3,975	DR
			9	2,750	DR
			12	3,775	DR
2x6 STUD GRADE	2	12	9	1,000	2,025
			16	2,150	3,675
			18	2,550	DR
			9	1,750	3,125
			16	2,400	DR
			18	3,800	DR
	4	12	9	1,750	3,125
			16	2,400	DR
			18	3,800	DR

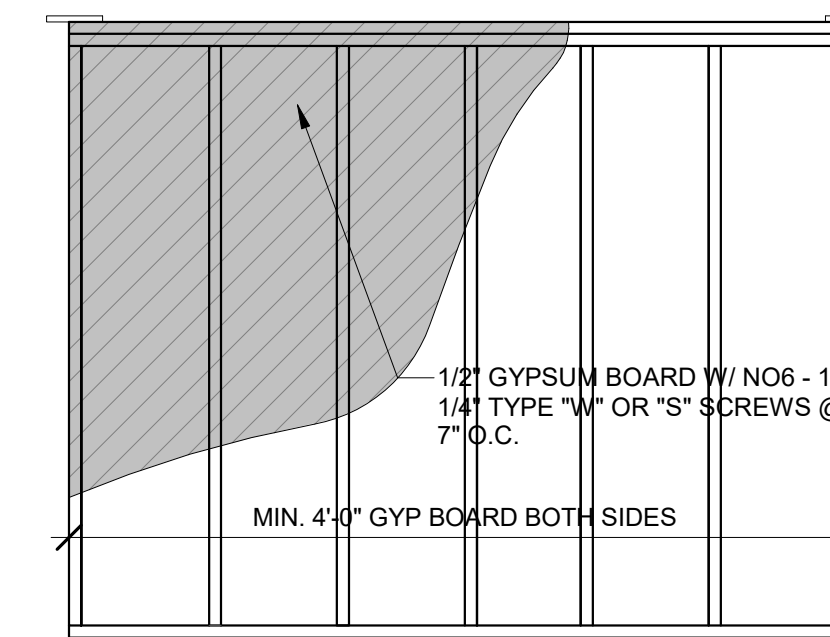
^a DR = DESIGN REQUIRED
^b STRAP SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

END WALL CONDITIONS

FOR CONTINUOUSLY SHEATHED BRACED WALL LINES



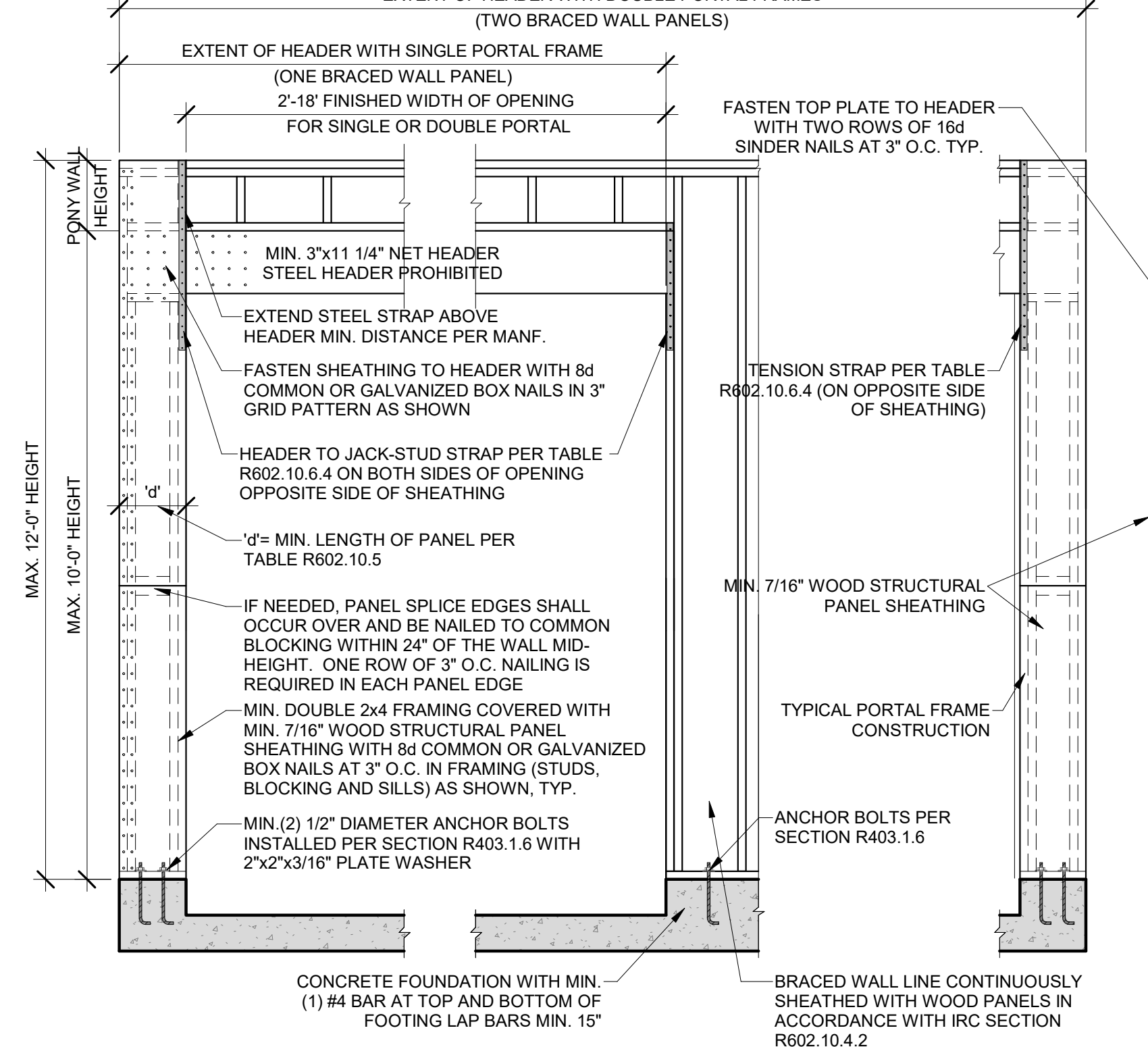
1 DIAPHRAGM CONNECTION TO INTERIOR WALL
3/8" = 1'-0"



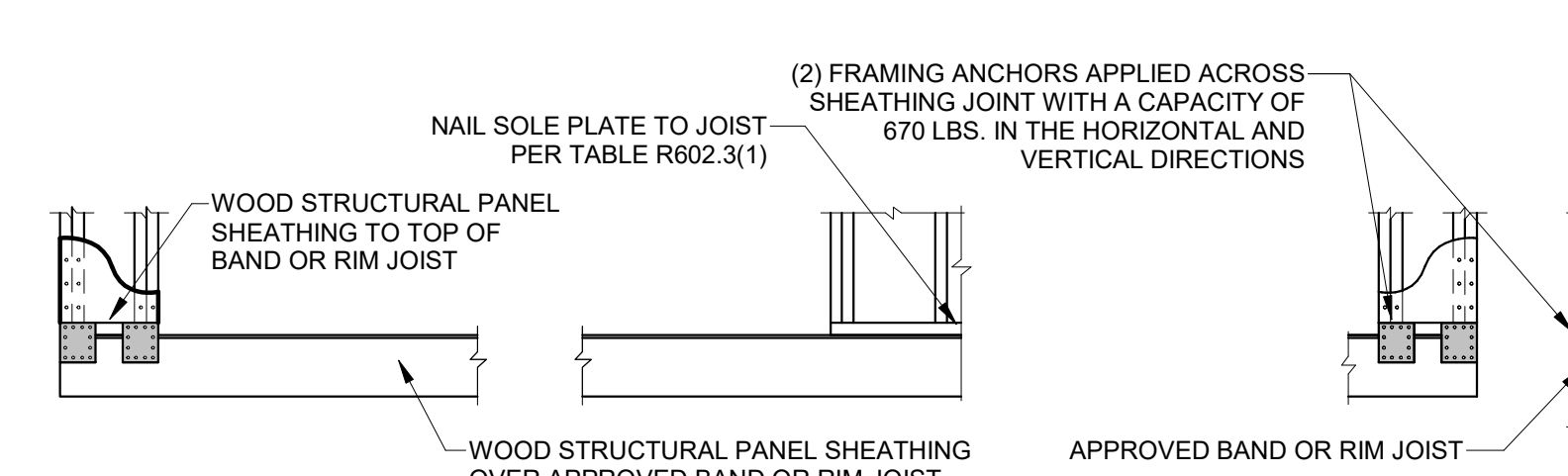
5 GB BRACING
1/2" = 1'-0"

FRONT ELEVATION

EXTENT OF HEADER WITH DOUBLE PORTAL FRAMES (TWO BRACED WALL PANELS)

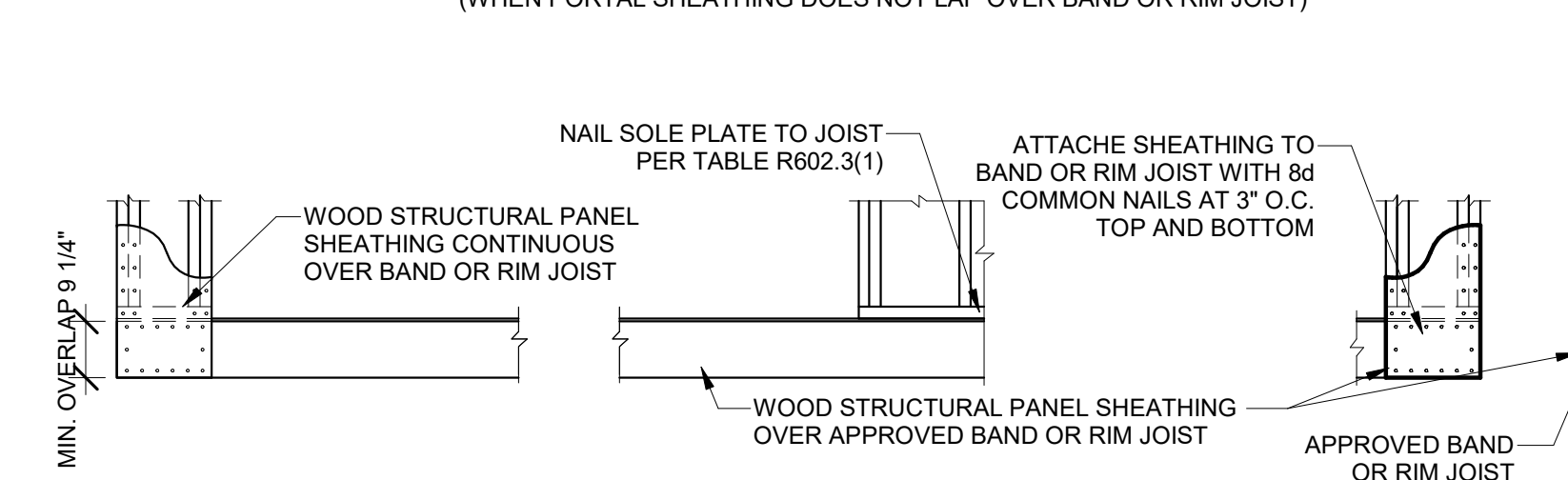


OVER CONCRETE OR MASONRY BLOCK FOUNDATION



OVER RAISED WOOD FLOOR - FRAMING ANCHOR OPTION

(WHEN PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST)

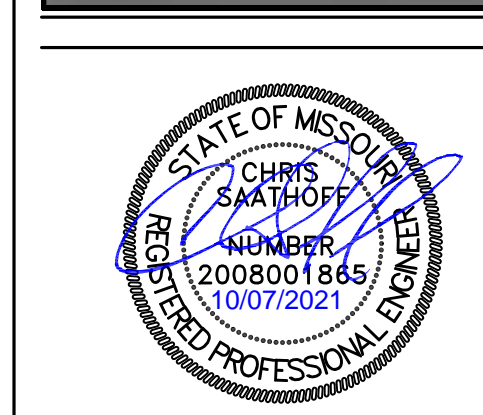
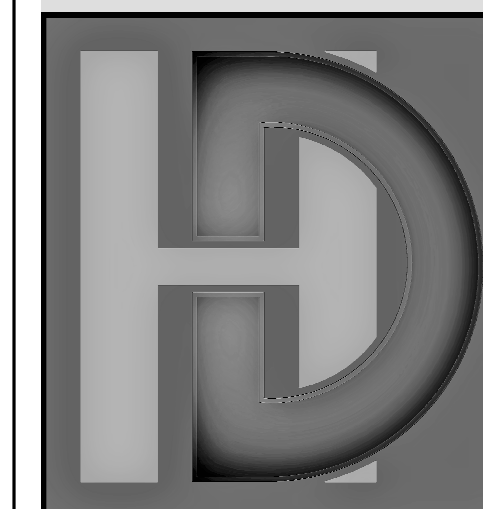


OVER RAISED WOOD FLOOR - OVERLAP OPTION

(WHEN PORTAL SHEATHING LAPS OVER BAND OR RIM JOIST)

4 CS-PF
1/2" = 1'-0"

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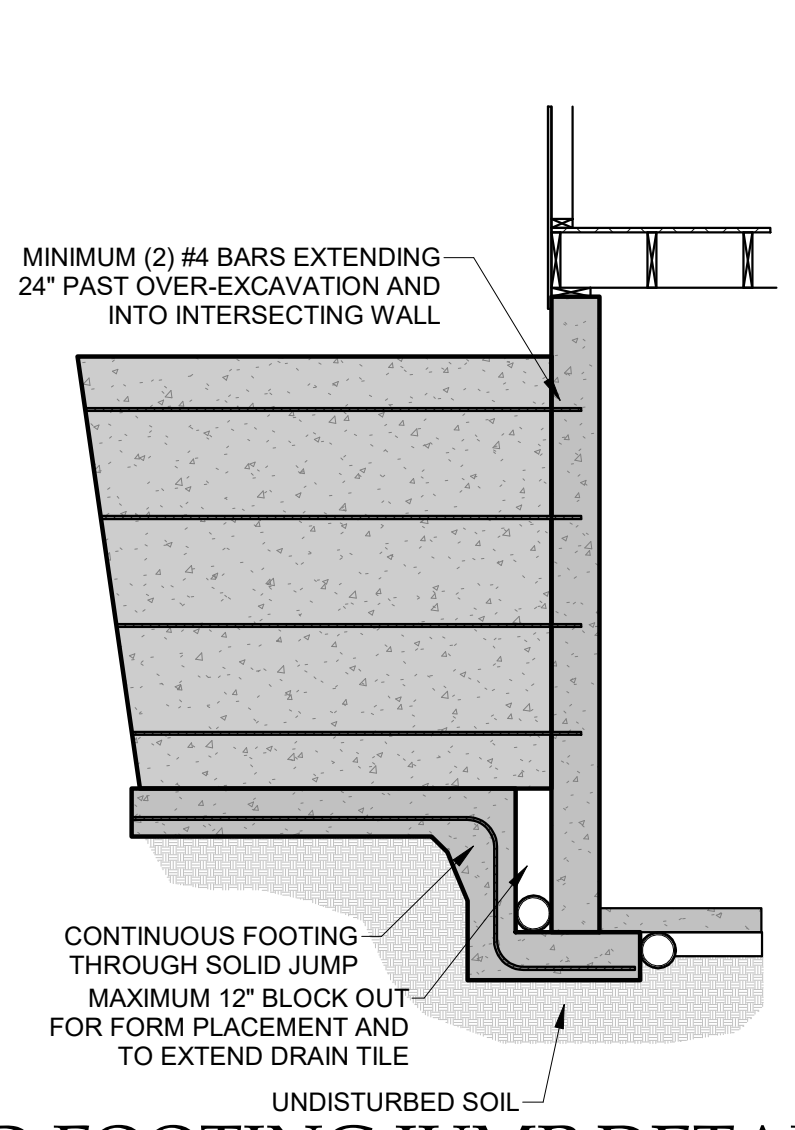
SAB HOMES, INC.
 EXPANDED STRATOGA II HF43
 2023 WHEATFIELD CT. LEE'S SUMMIT, MO
 STRUCTURAL DETAILS & NOTES

HD#: 42609

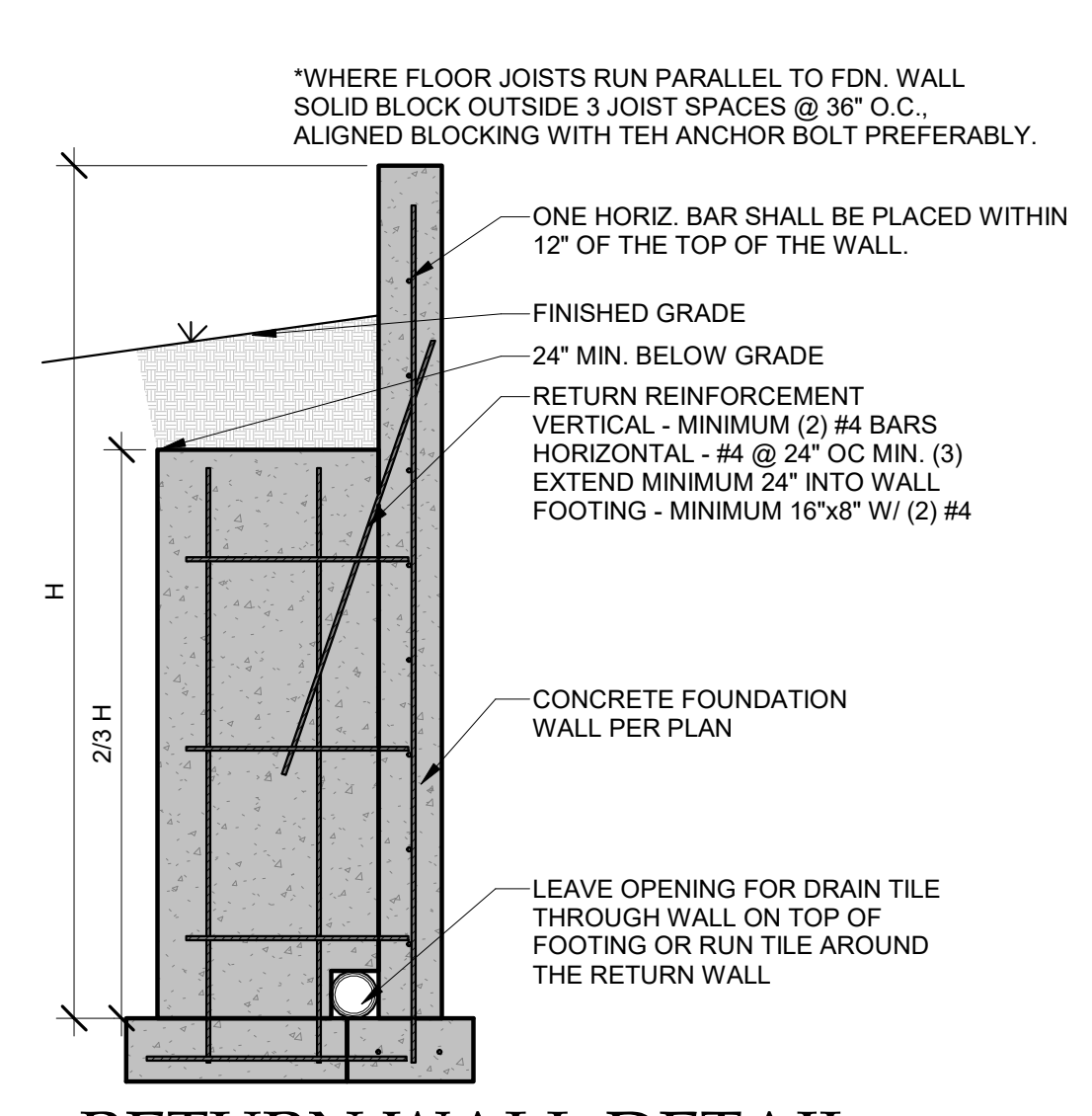
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 CHECKED BY: CLS

NO.	ISSUE/REVISION	Revision Date

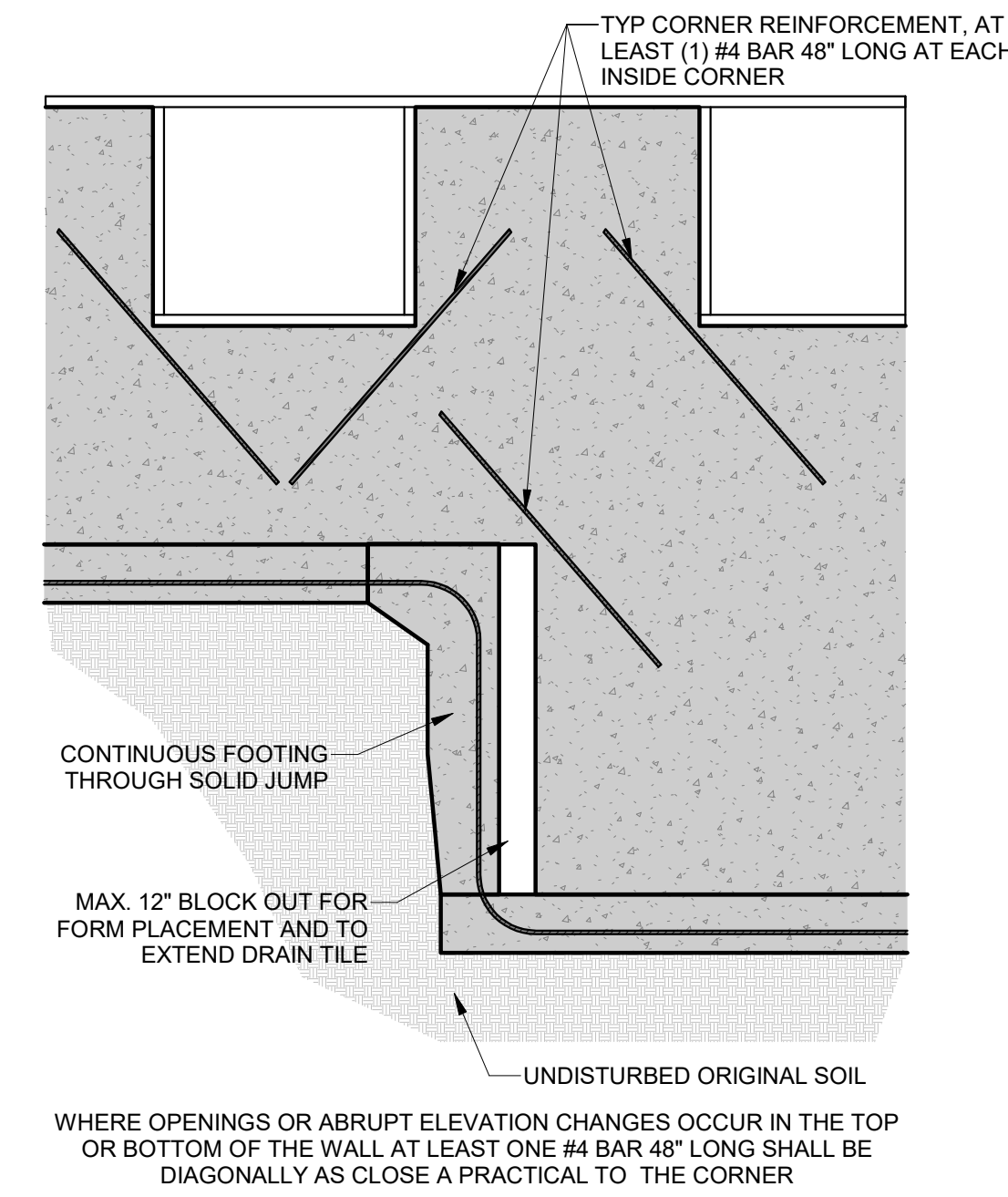
BRACED WALLS NOTES & DETAILS



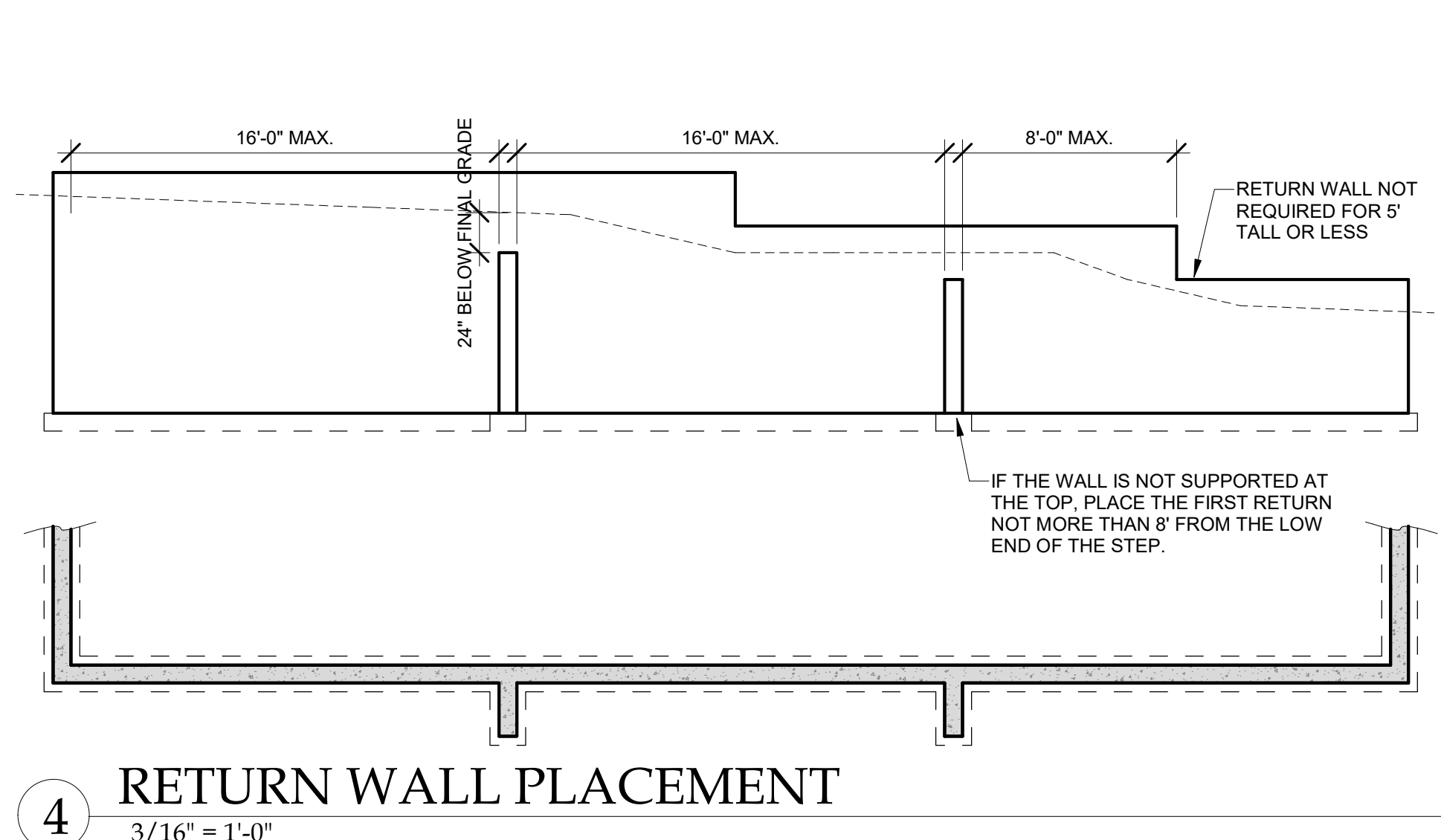
1 SOLID FOOTING JUMP DETAIL
3/8" = 1'-0"



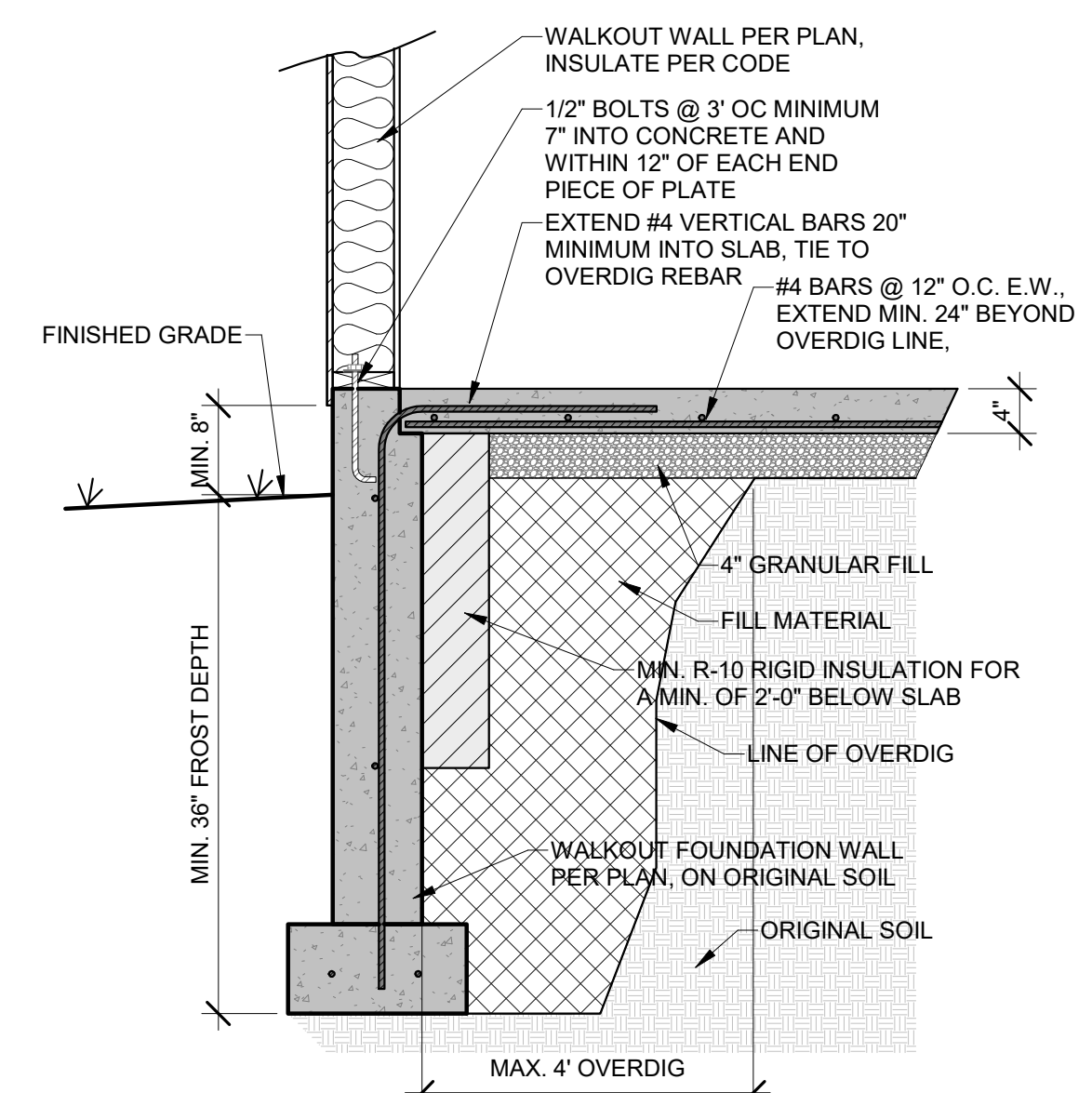
2 RETURN WALL DETAIL
1/2" = 1'-0"



3 REINFORCEMENT AT CORNERS AND STEPS
1/2" = 1'-0"

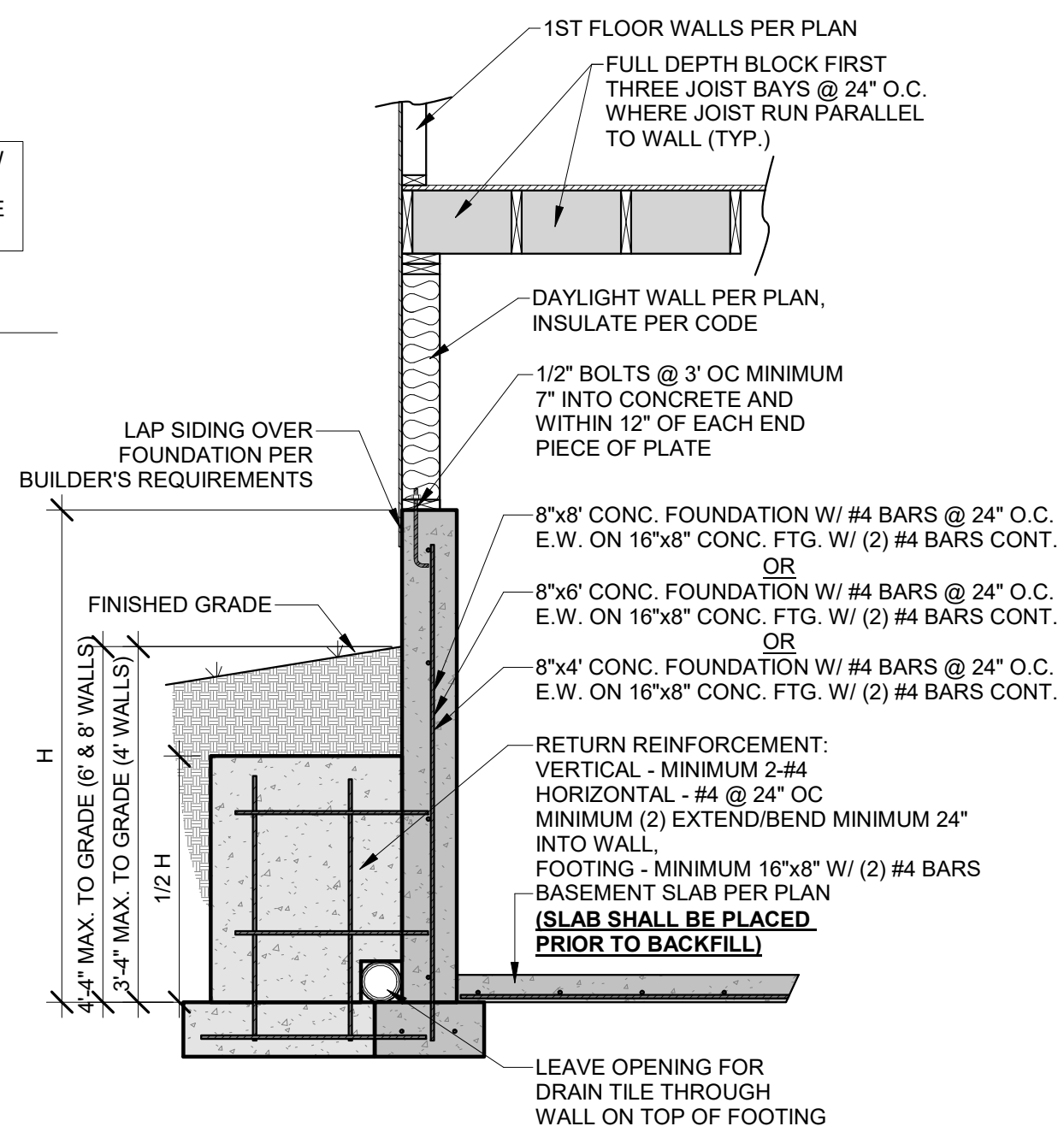


4 RETURN WALL PLACEMENT
3/16" = 1'-0"

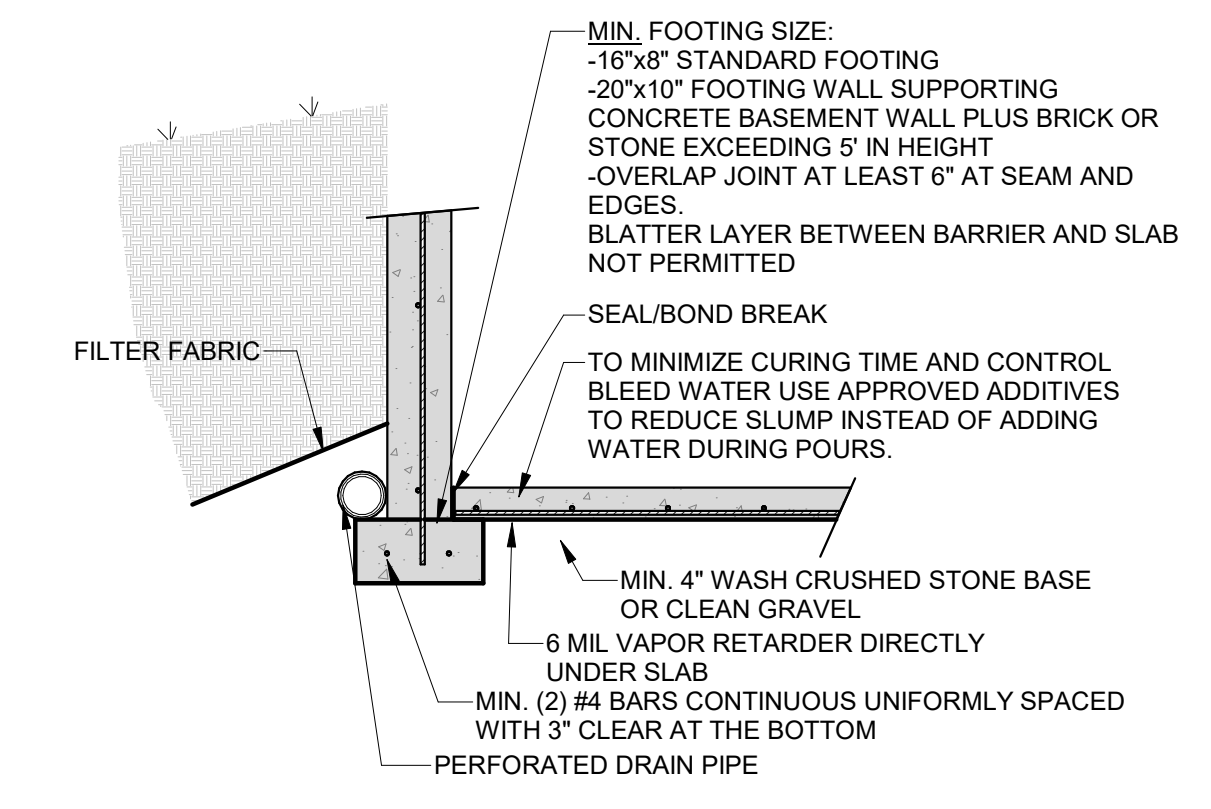


IMPORTANT NOTE:
ANY SLAB WITH GREATER THAN 2' OF GRADED ROCK OR 8' OF FILL SOIL BELOW SHALL BE DESIGNED AS STRUCTURAL PER PLAN. OUR FIRM SHOULD BE CONTACTED IMMEDIATELY FOR DESIGN RECOMMENDATIONS. DESIGN MUST BE COMPLETED PRIOR TO PLACEMENT OF PIERS OR FOOTINGS.

6 WALKOUT DETAIL
3/4" = 1'-0"



5 UNRESTRAINED FOUNDATION WALL
1/2" = 1'-0"



7 FOUNDATION FOOTINGS
1/2" = 1'-0"

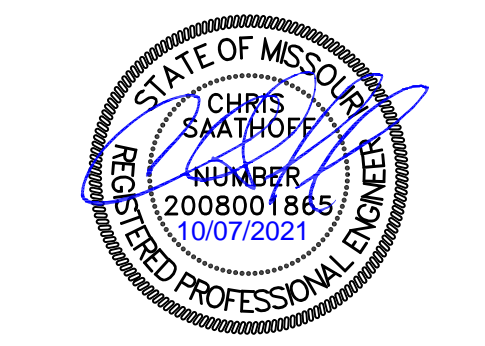
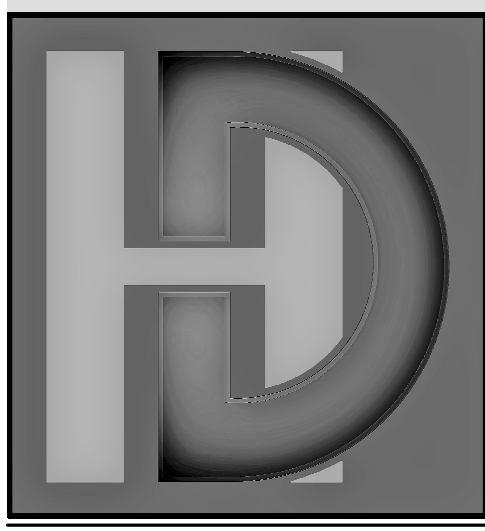
CONCRETE STRENGTH	8" THICK WALL		10" THICK WALL		
	8'	9'	8'	9'	10'
3000 PSI/ 40 KSI	16	12	24	16	12
3500 PSI/ 40 KSI	16	12	24	24	12
3000 PSI/ 60 KSI	24	16	24	20	16
3500 PSI/ 60 KSI	24	16	24	24	16

HORIZONTAL REINFORCEMENT**	ONE BAR 12" FROM TOP OF WALL; MAX. SPACING 24" O.C.				
	4-#4	5-#4	4-#4	5-#4	6-#4
8"x4' 8"x6' AND 8"x8' DAYLIGHT FOUNDATION					

* CONCRETE SHALL HAVE AIR ENTRAINMENT OF 5-7%.
 * MINIMUM REQUIREMENT FOR VERTICAL REBAR IN PLAIN CONCRETE WALLS IS #4 @ 36" ON CENTER (ACI 332).
 * VERTICAL BARS SHALL BE CONTINUED UP TO WITHIN 8" 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 INCHES AT ENDS, SPLICES, AND AROUND CORNERS.
 ** #4 BARS @ 24" ON CENTER.
 ** #4 BAR WITHIN 12 OF TOP AND BOTTOM OF WALL.
 ** MINIMUM GRADE 40 (40ksi) STEEL (PER ACI 332).
 ** HORIZONTAL REINFORCEMENT SHALL BE INSTALLED ON THE COMPRESSION SIDE (SOIL SIDE) OF THE VERTICAL REINFORCEMENT

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 11666 W. 75TH STREET
 SHAWNEE, KS 66214
 WWW.HDENGINEERS.COM
 913.631.2222
 SERVICE@HDENGINEERS.COM



SAB HOMES, INC.
 EXPANDED STRATOGA II HF43
 2023 WHEATFIELD CT. LEE'S SUMMIT, MO

STRUCTURAL DETAILS & NOTES

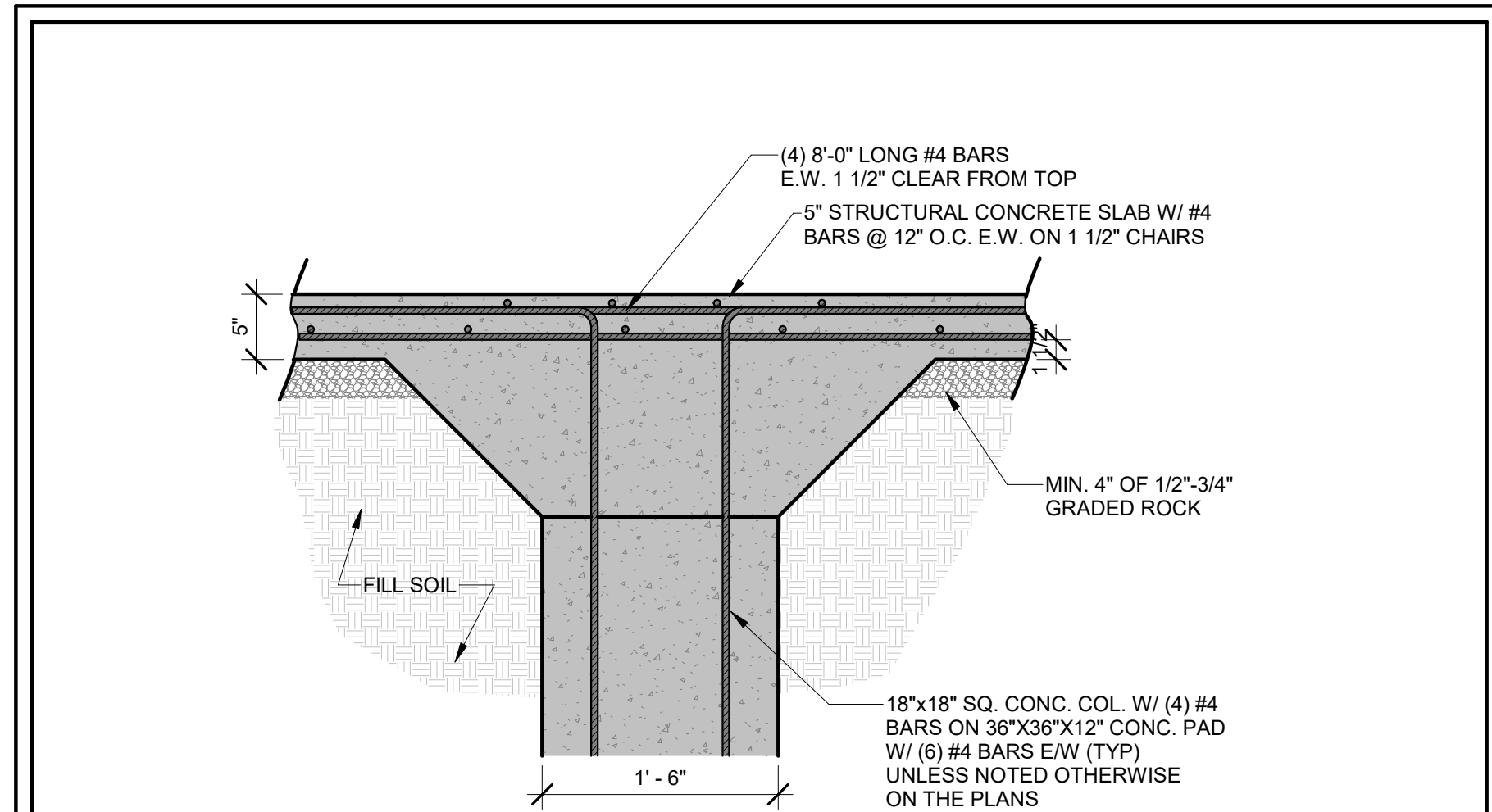
HD#: 42609
 DATE: 10/07/2021
 CHECKED BY: CLS

NO.	ISSUE/REVISION	Revision Date

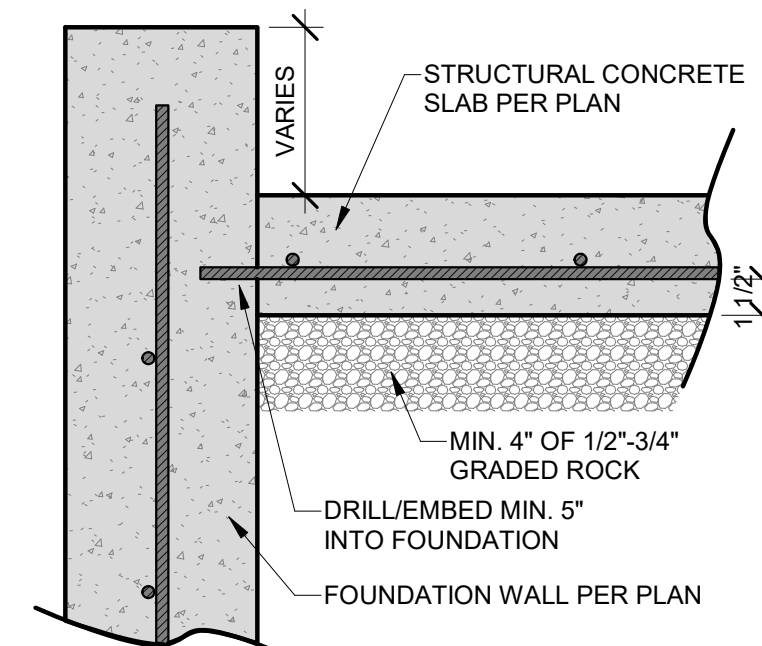
CONCRETE DETAILS

S-3.0

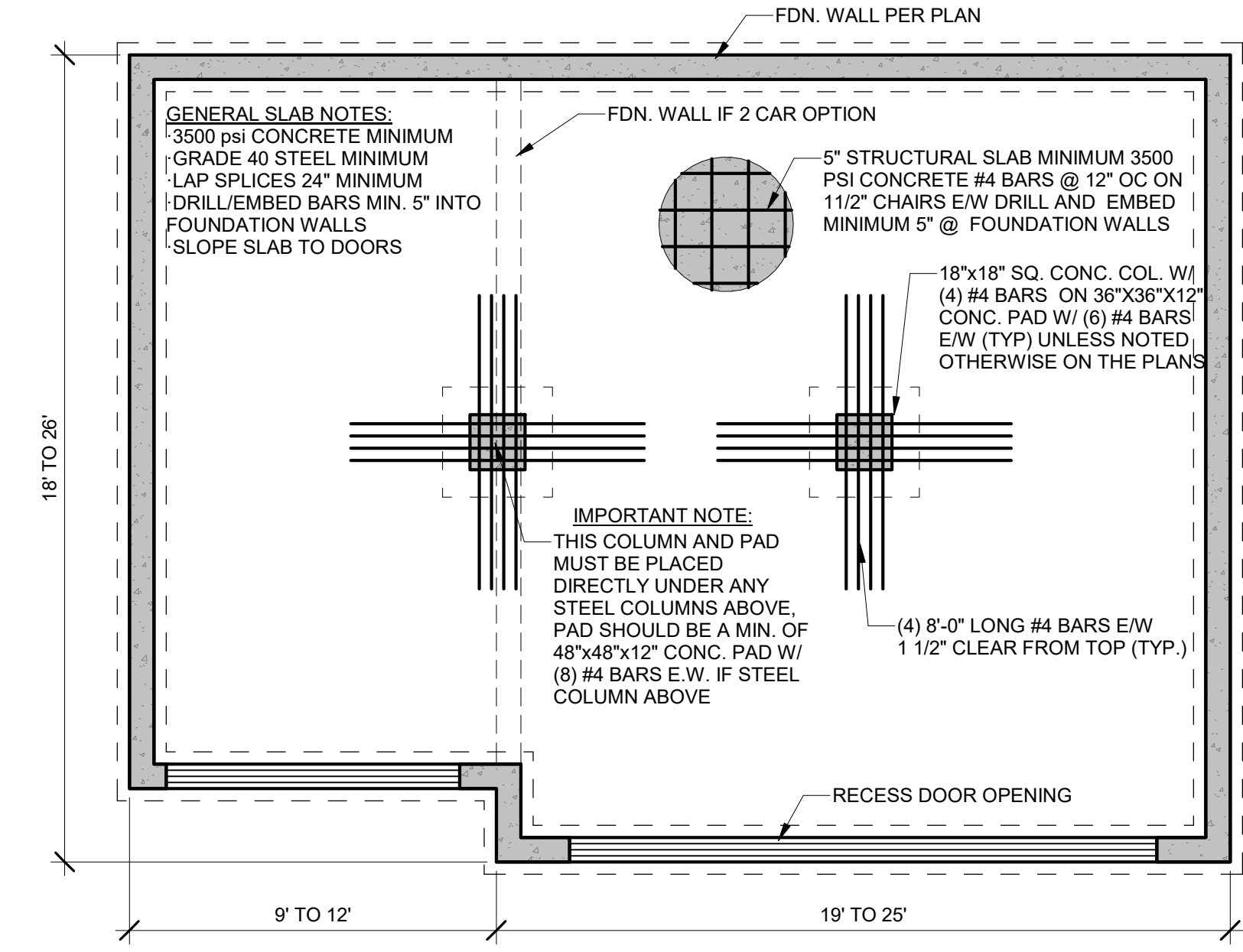
DETAILS PROVIDED ARE DERIVED FROM JOHNSON COUNTY RESIDENTIAL FOUNDATION GUIDELINE



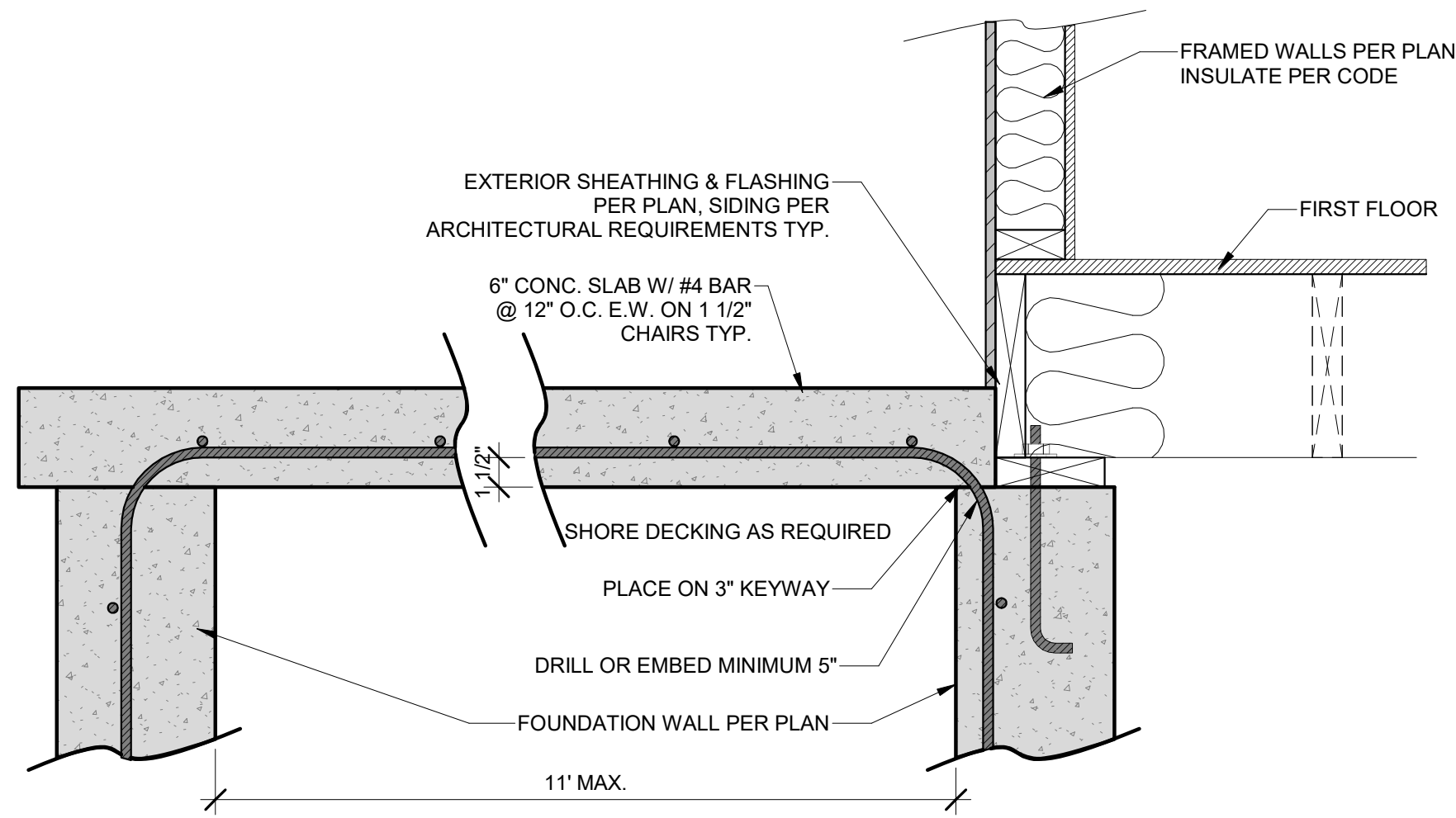
7 GARAGE SLAB COLUMN DETAIL
1" = 1'-0"



8 STRUCTURAL SLAB/ WALL
1 1/2" = 1'-0"

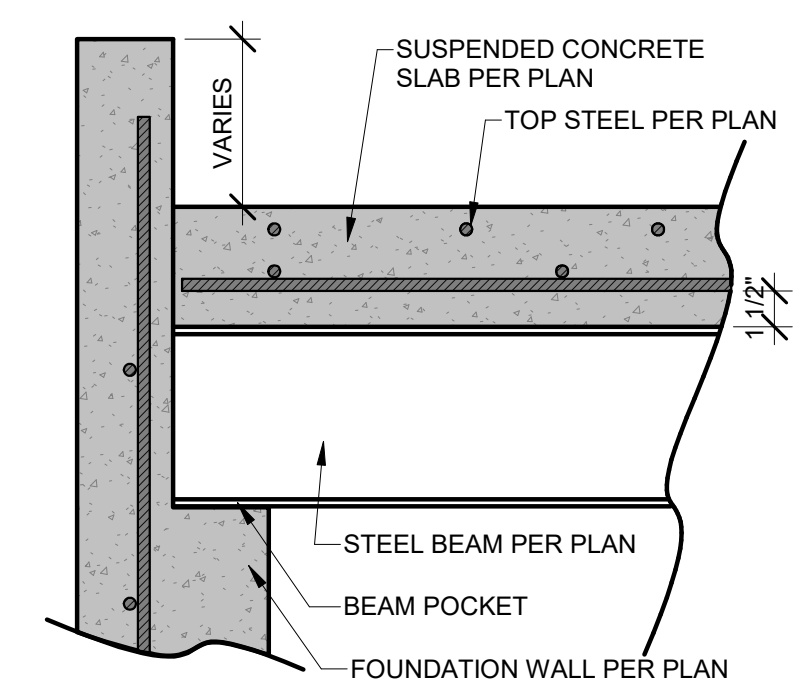


9 TYPICAL GARAGE SLAB
1/4" = 1'-0"

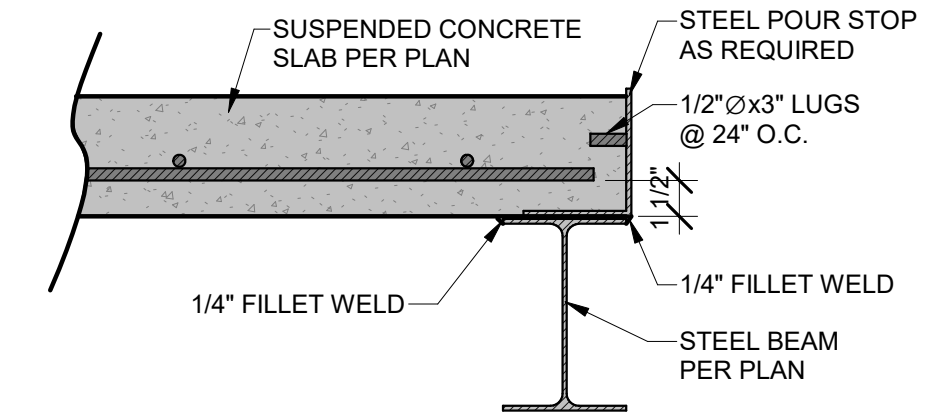


6 SUSPENDED PORCH STOOP SLAB
1 1/2" = 1'-0"

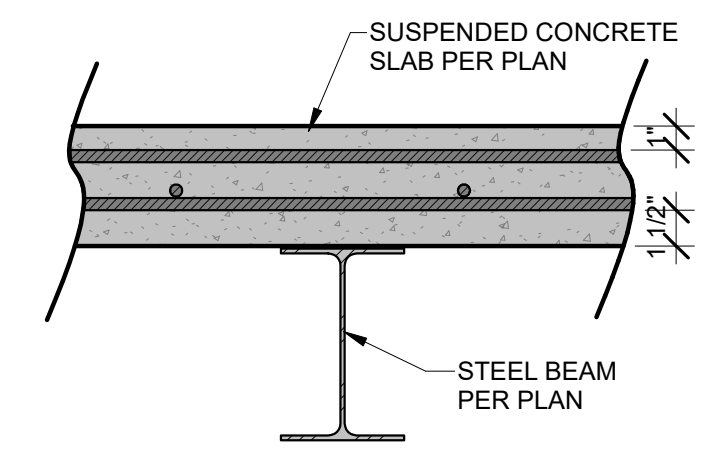
FOR SUSPENDED SLABS A MAXIMUM OF 10' ABOVE FLOOR BELOW: TEMPORARY SHORING WALLS SHALL BE PLACED AT A MAXIMUM OF 4' O.C./#2-2X4 STUDS AT 16" O.C. W/ TOP AND BOTTOM PLATE. WALL TO HAVE CONTINUOUS DIAGONAL BRACING. LATERAL BRACING TO BE RUN FROM WALL TO WALL AT MID HEIGHT 4' ON CENTER. SHORING TO REMAIN IN PLACE FOR AT LEAST 21 DAYS.



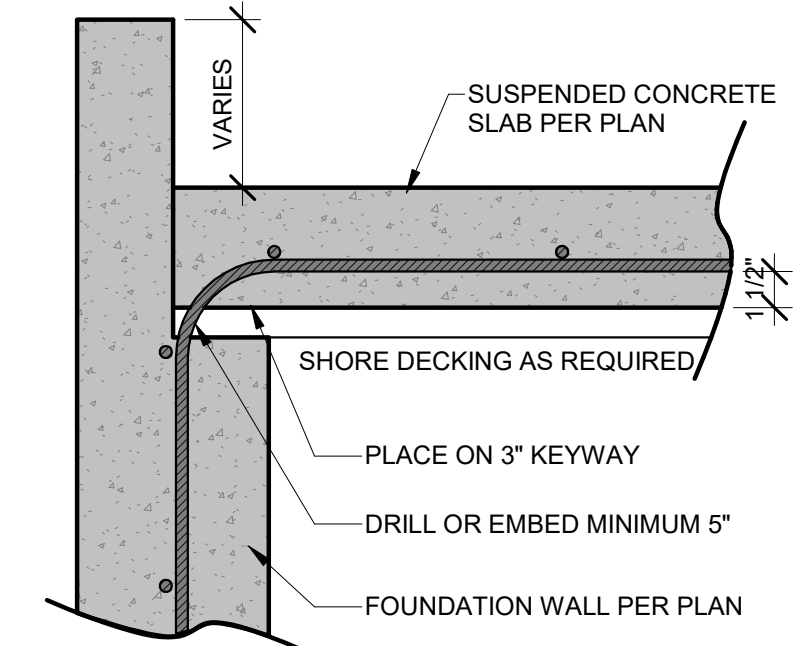
1 SUSPENDED SLAB BEAM/WALL CONNECTION
1 1/2" = 1'-0"



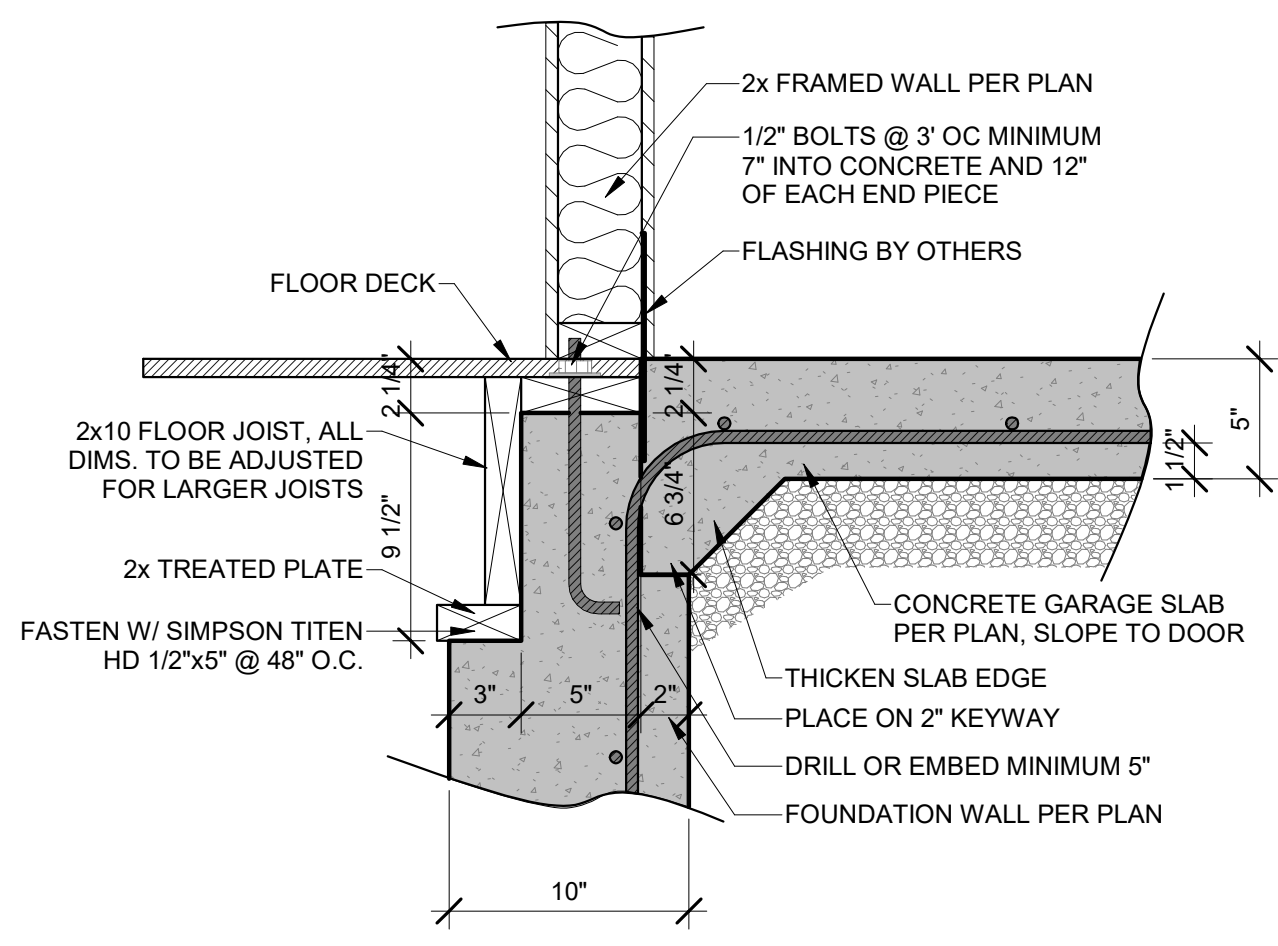
2 SUSPENDED SLAB POUR STOP
1 1/2" = 1'-0"



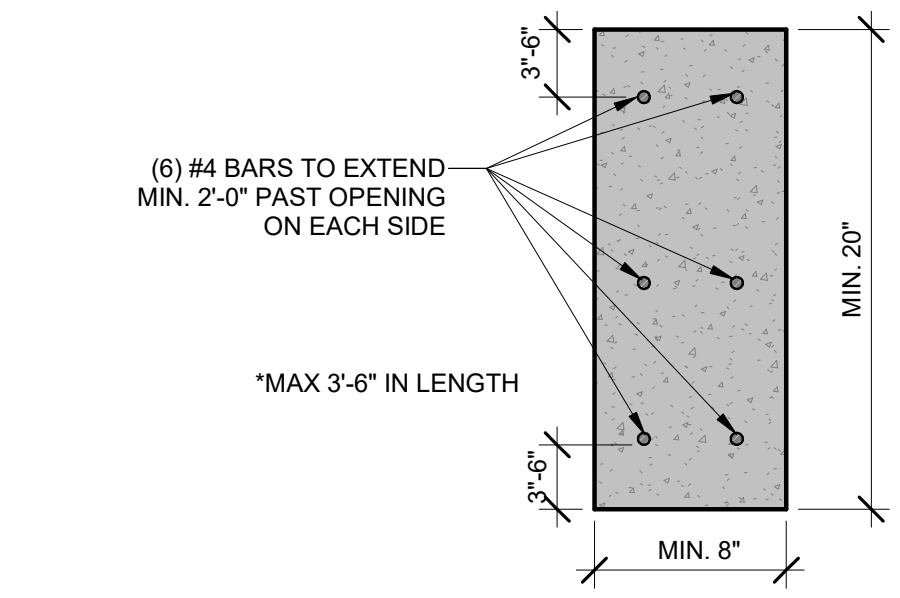
3 SUSPENDED SLAB/STEEL BEAM CROSS SECTION
1 1/2" = 1'-0"



4 SUSPENDED SLAB/WALL CONNECTION
1 1/2" = 1'-0"



10 ZERO ENTRY GARAGE DETAIL
1 1/2" = 1'-0"



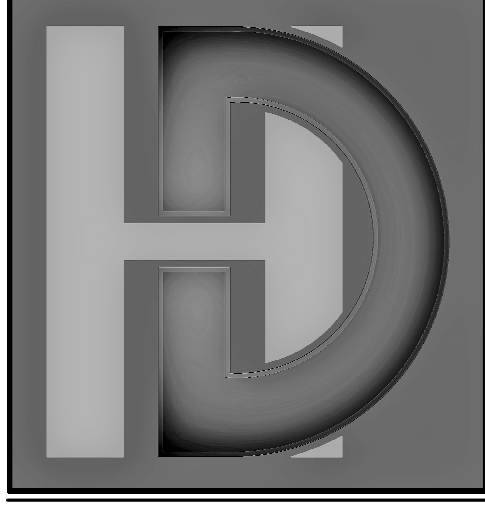
5 CONCRETE HEADER DETAIL
1 1/2" = 1'-0"

IMPORTANT NOTE:
FOR SUSPENDED SLABS A MAXIMUM OF 10' ABOVE FLOOR BELOW: TEMPORARY SHORING WALLS SHALL BE PLACED AT A MAXIMUM OF 4' O.C./#2-2X4 STUDS AT 16" O.C. W/ TOP AND BOTTOM PLATE. WALL TO HAVE CONTINUOUS DIAGONAL BRACING. LATERAL BRACING TO BE RUN FROM WALL TO WALL AT MID HEIGHT 4' ON CENTER. SHORING TO REMAIN IN PLACE FOR AT LEAST 21 DAYS.
ANY CAST IN PLACE SLABS FORMED MORE THAN 10' ABOVE THE FLOOR BELOW SHALL HAVE A SITE SPECIFIC SHORING DESIGN DONE. OUR FIRM SHOULD BE CONSULTED FOR THIS DESIGN ONCE FOUNDATION WALLS ARE IN PLACE TO EVALUATE ALL FIELD CONDITIONS. IT SHOULD BE NOTED THAT FAILURE TO HAVE AN ADEQUATE SHORING DESIGN CAN RESULT IN FORM COLAPSE AND/OR CATASTROPHIC FAILURE.

HD ENGINEERING STRUCTURAL GARAGE SLAB DETAILS

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SHAWNEE, KS 66214
WWW.HDENGINEERS.COM
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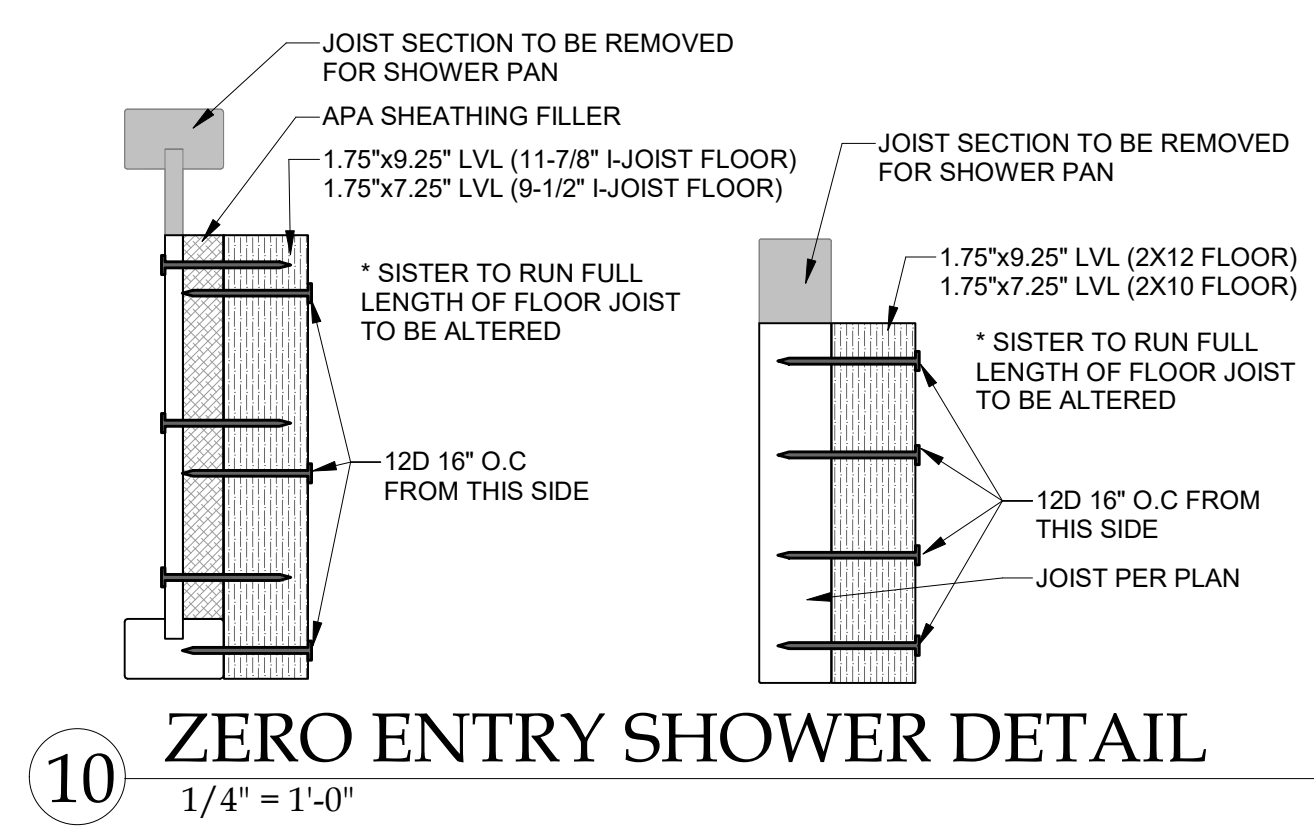
STRUCTURAL DETAILS & NOTES

HD#: 42609
DATE: 10/07/2021
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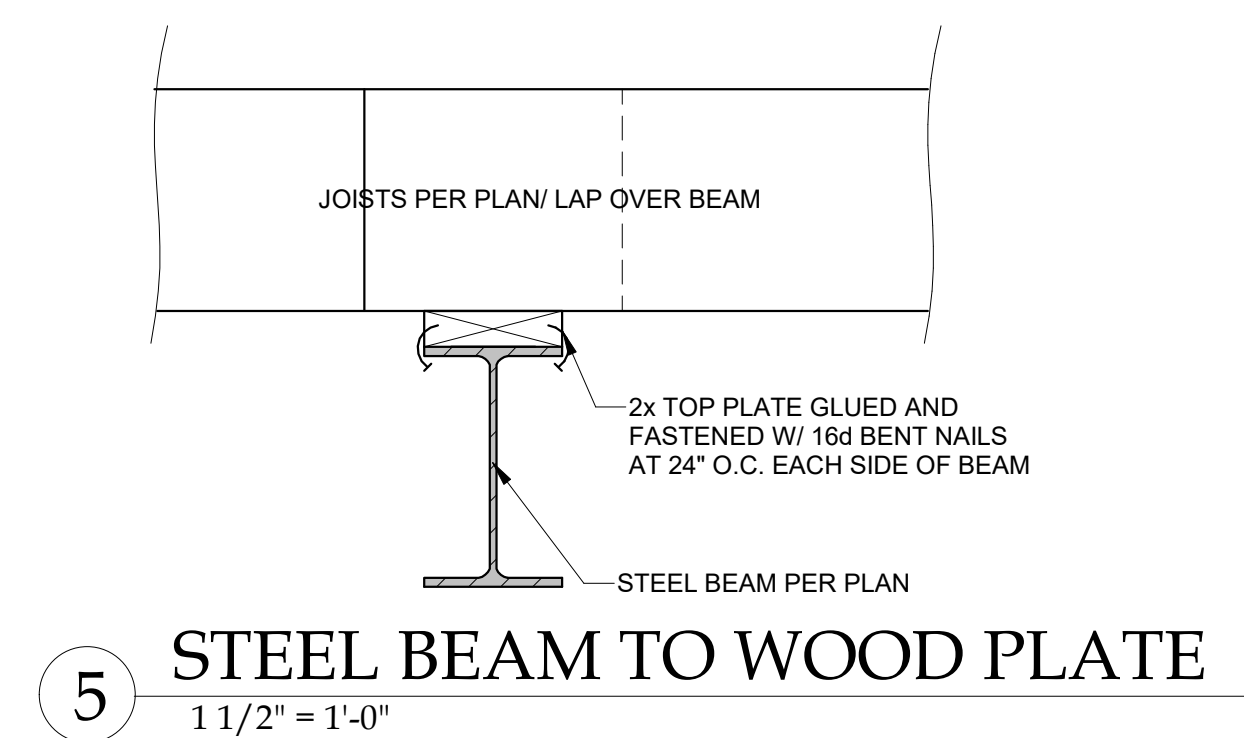
NO.	ISSUE/REVISION	Revision Date

SUSPENDED SLAB DETAILS

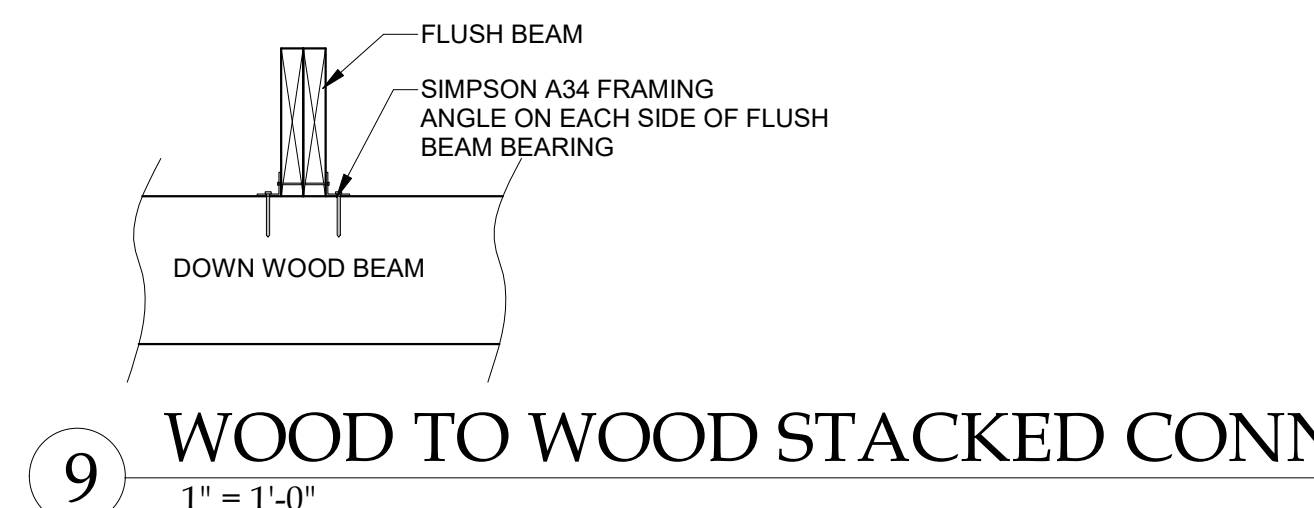
S-3.1



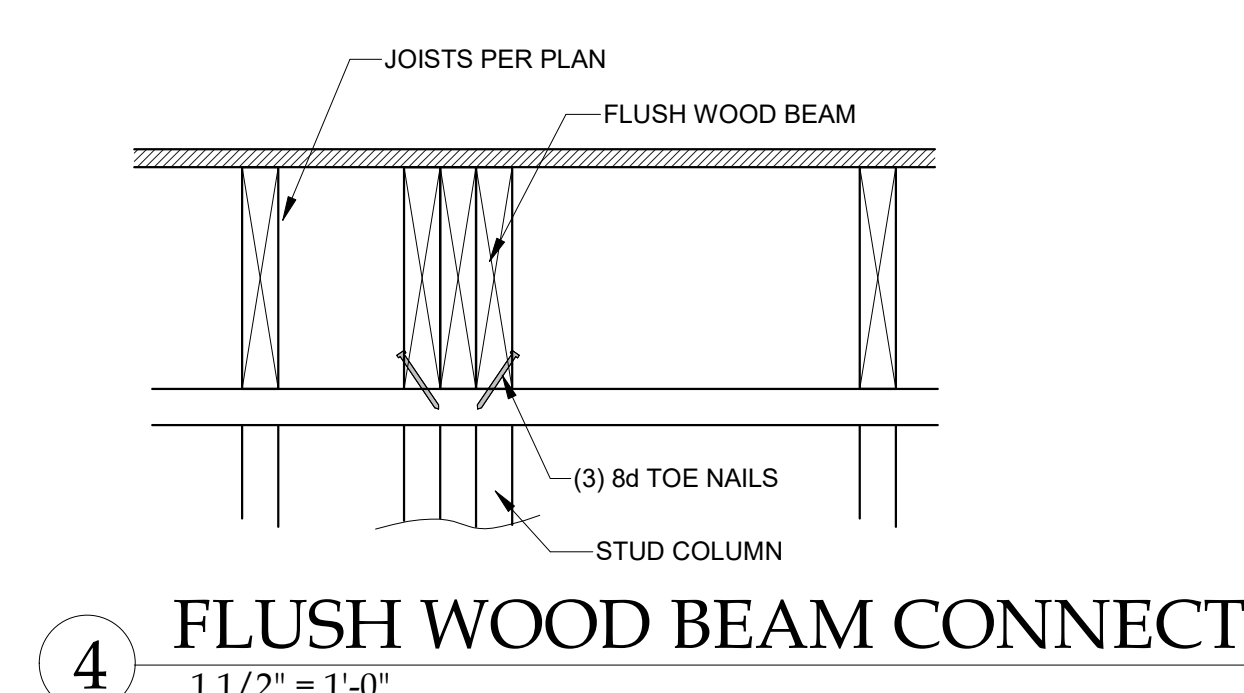
10 ZERO ENTRY SHOWER DETAIL
1/4" = 1'-0"



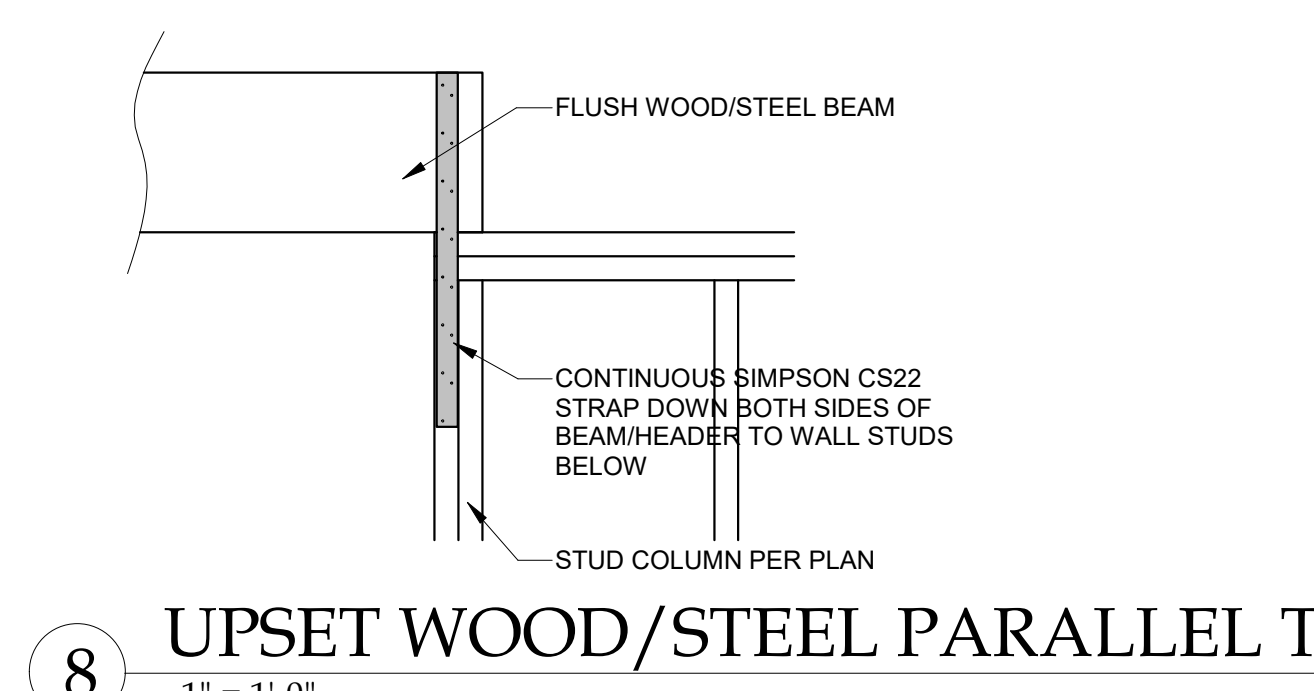
5 STEEL BEAM TO WOOD PLATE
1 1/2" = 1'-0"



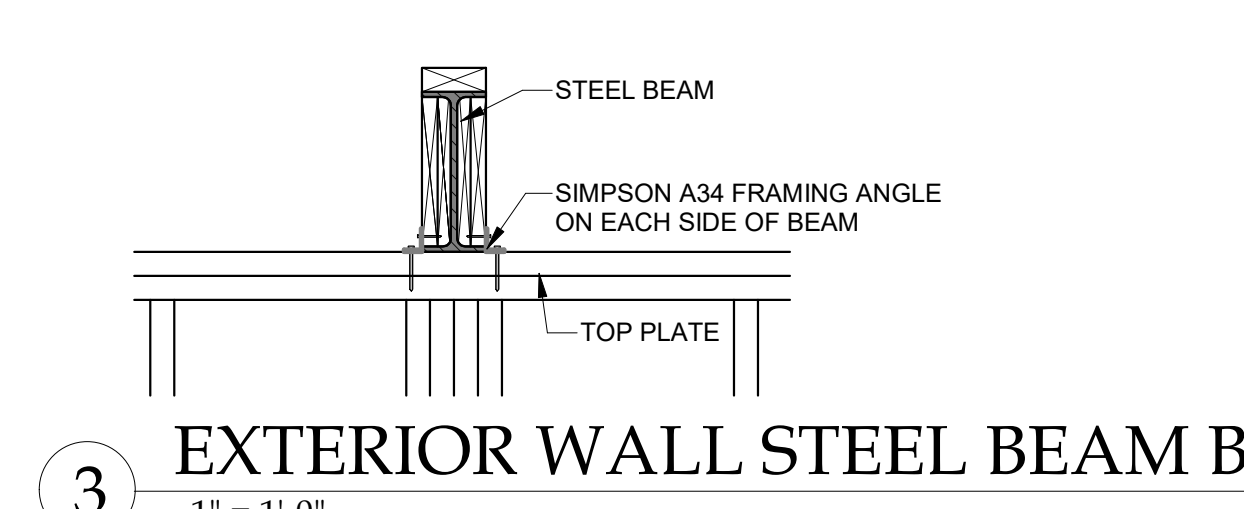
9 WOOD TO WOOD STACKED CONNECTION
1" = 1'-0"



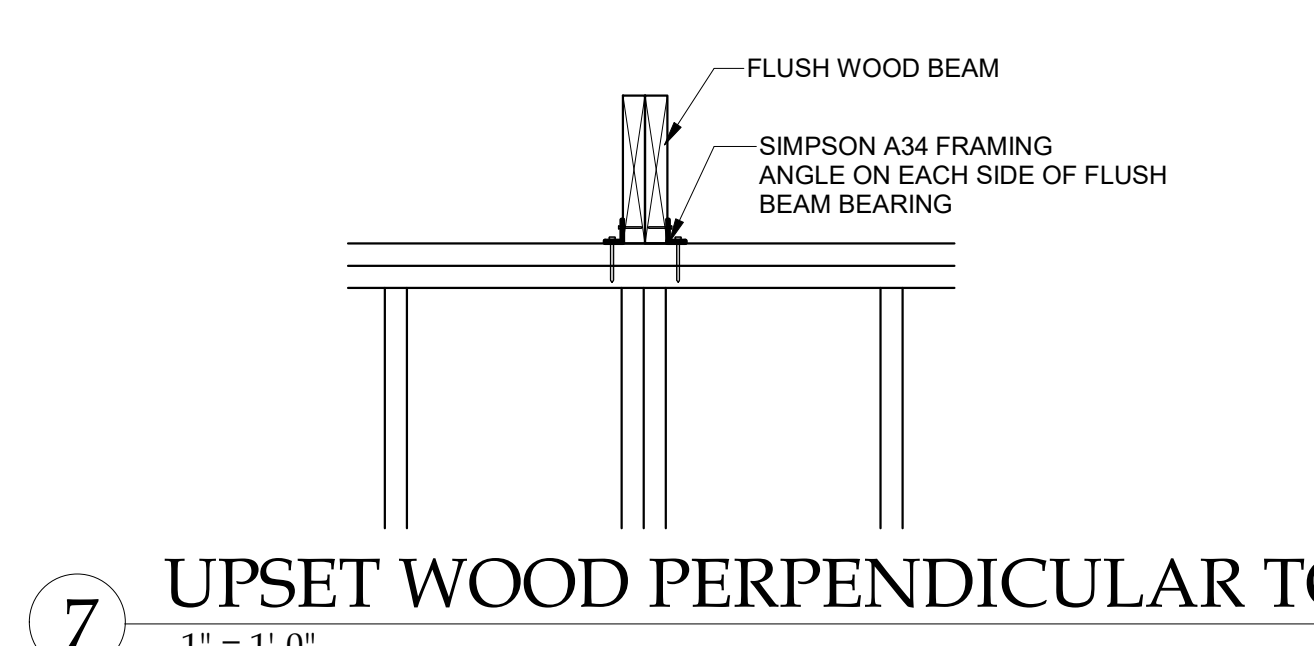
4 FLUSH WOOD BEAM CONNECTION
1 1/2" = 1'-0"



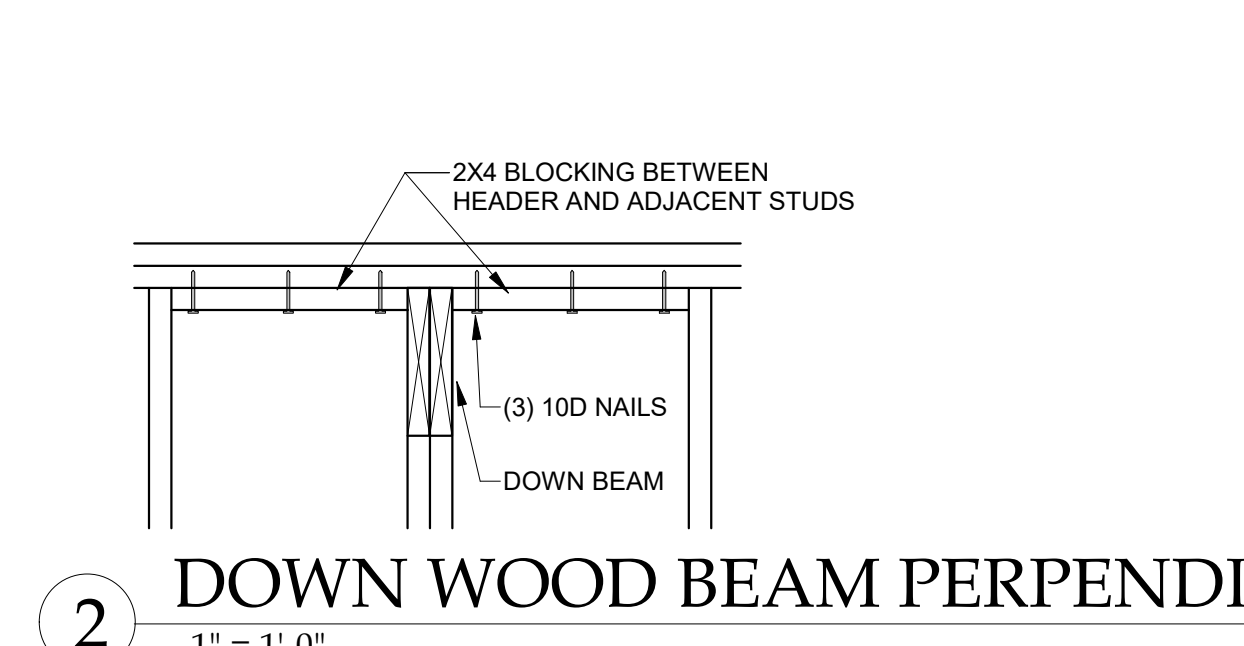
8 UPSET WOOD/STEEL PARALLEL TO WALL
1" = 1'-0"



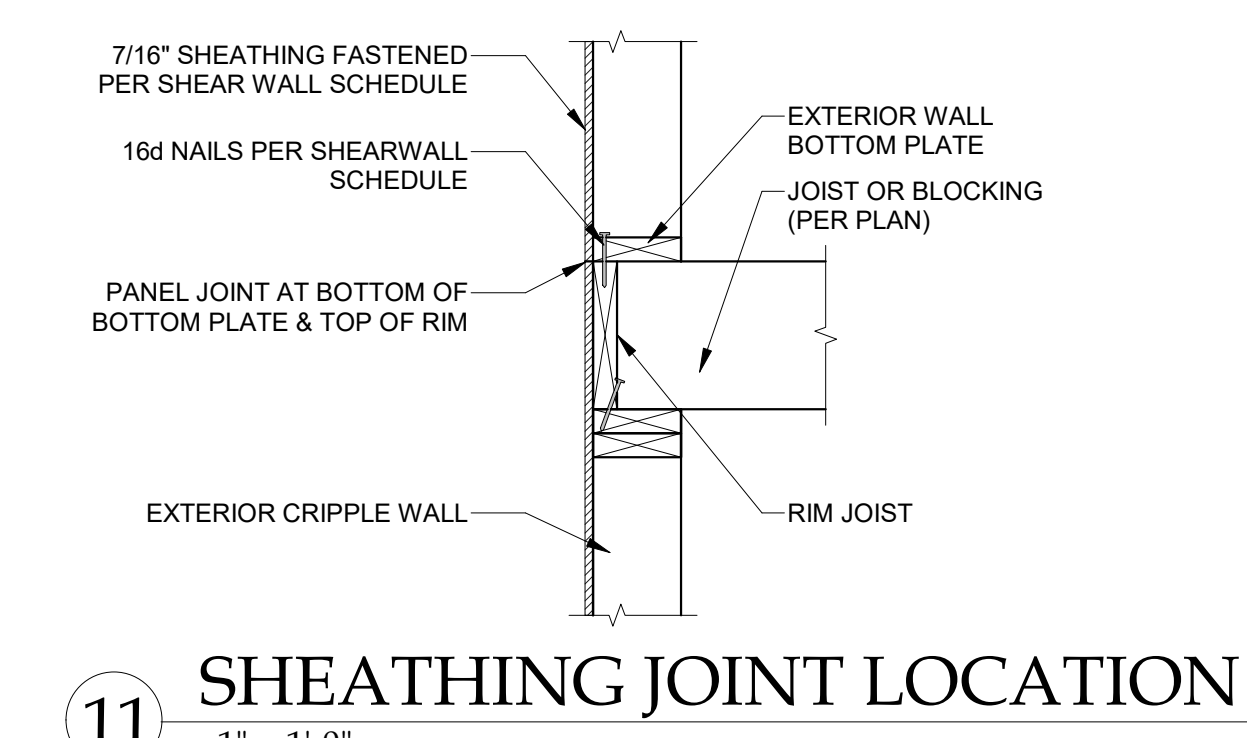
3 EXTERIOR WALL STEEL BEAM BEARING
1" = 1'-0"



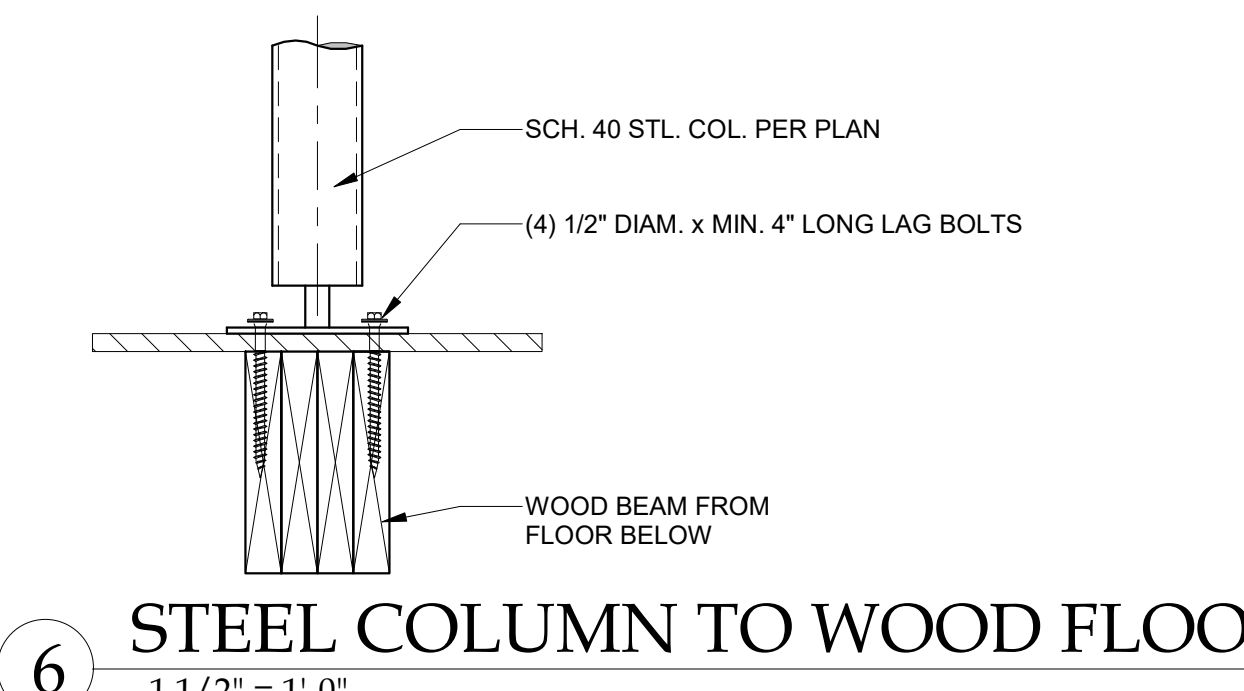
7 UPSET WOOD PERPENDICULAR TO WALL
1" = 1'-0"



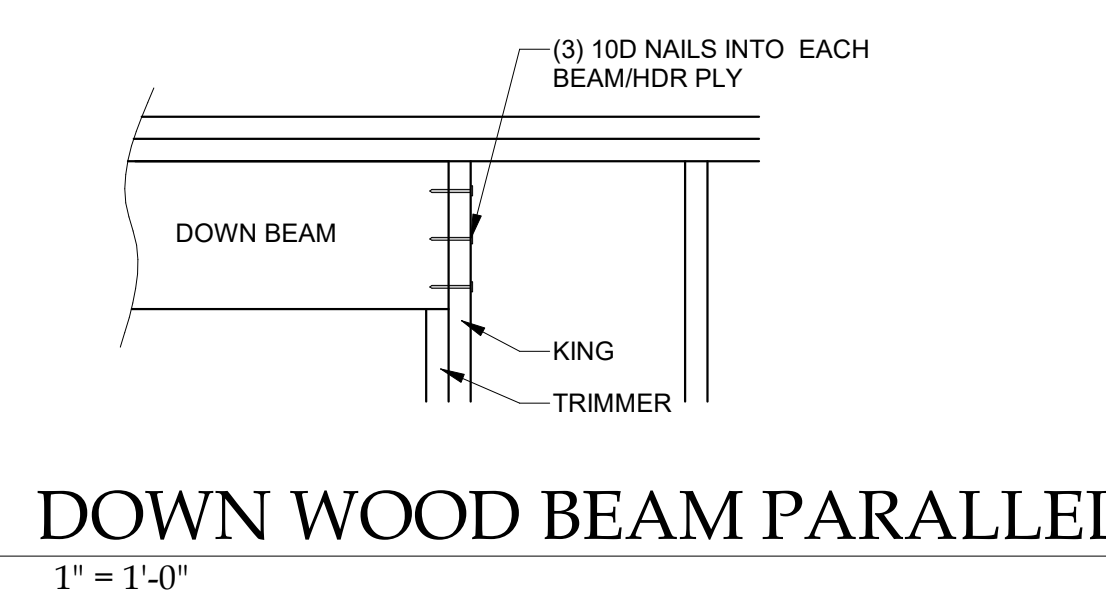
2 DOWN WOOD BEAM PERPENDICULAR
1" = 1'-0"



11 SHEATHING JOINT LOCATION
1" = 1'-0"



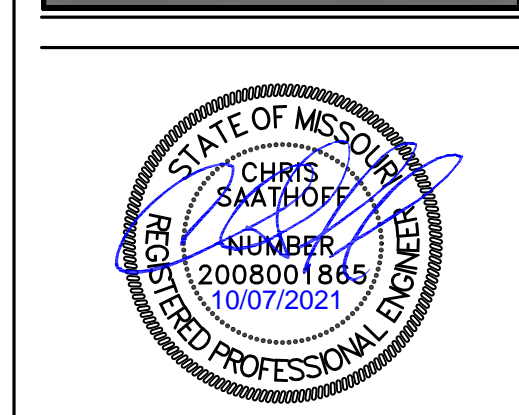
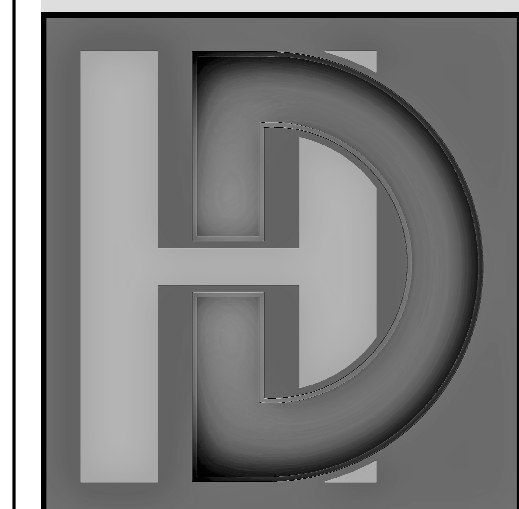
6 STEEL COLUMN TO WOOD FLOOR
1 1/2" = 1'-0"



1 DOWN WOOD BEAM PARALLEL
1" = 1'-0"

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GENERAL DETAILS

S-4.0

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