

RELEASE FOR CONSTRUCTION **AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES** LEE'S SUMMIT, MISSOURI 01/18/2022 12:01:45







ASPHALT SHINGLES

BUILDER/CONTRACTOR IS RESPONSIBLE TO CHECK ALL DIMENSIONS FOR ACCURACY BETWEEN FLOORS, FOUNDATION, AND ELEVATIONS. ALSO VERIFY ALL BEAM, HEADERS, PAD LOCATIONS, AND COLUMN SIZES.

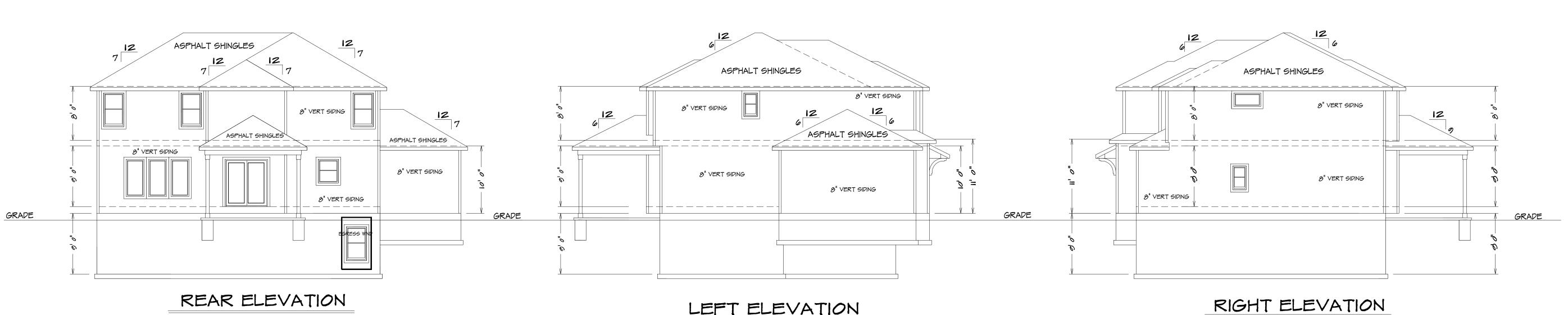
ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC

FRONT ELEVATION 1/4" = 10"

ACTUAL ELEVATIONS MAY VARY FROM ARCHITECTURAL DRAWINGS, DUE TO TERRAIN/BACKFILL PROCESS FRONT ELEVATION IS ARCHITECTURAL DRAWING AND MAY VARY DUE TO MATERIALS AVAILABILITY

1/8" = 10"

1833 SW SAGE CANYON LEES SUMMIT MO LOT 157 NAPA VALLEY



LEFT ELEVATION

1/8" = 1'0"



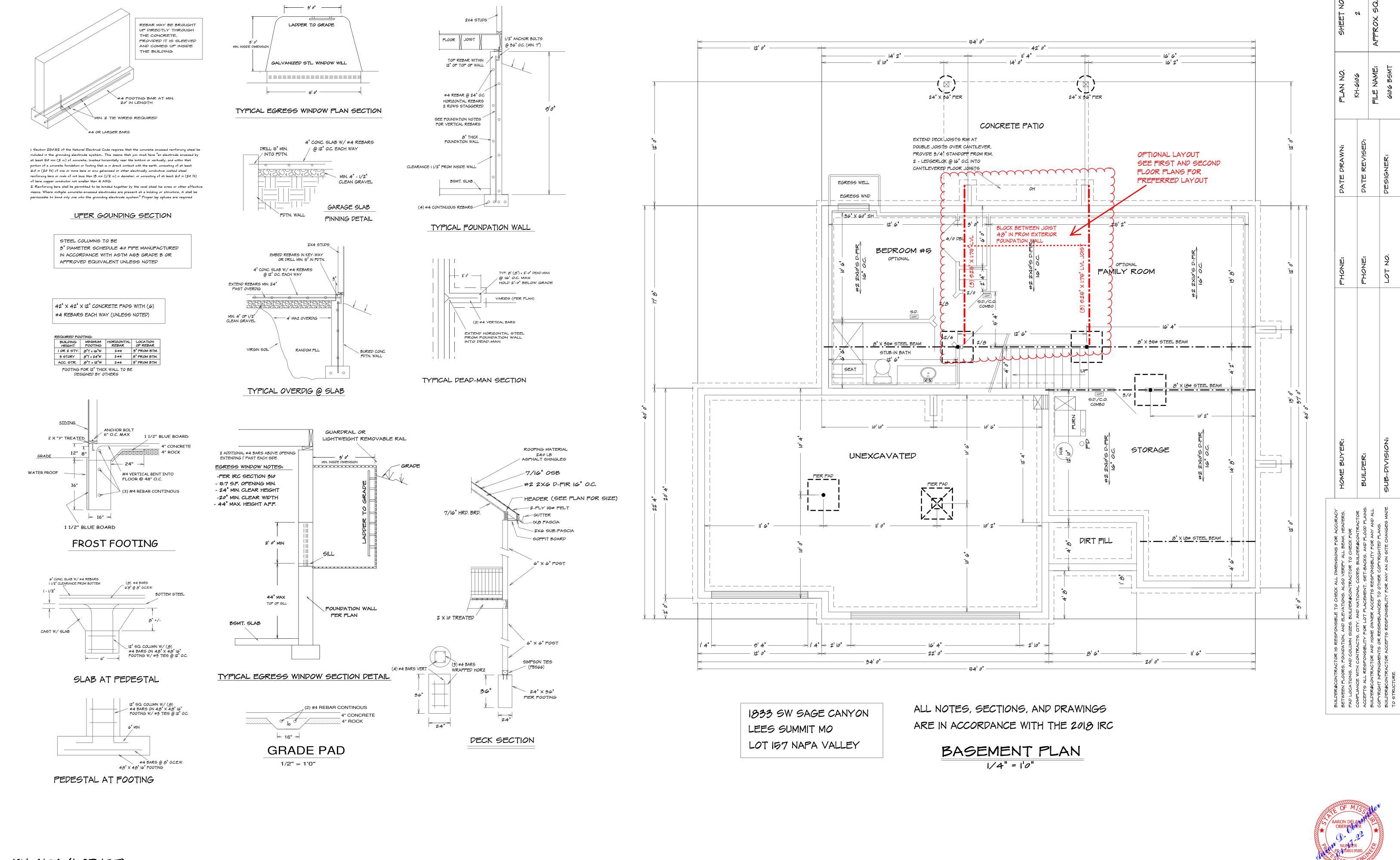
SQUARE FOOTAGE LIVING AREA

FIRST FLOOR = 1105 SECOND FLOOR = 1465 OPTIONAL BASEMENT = 675 COVERED PATIO = 144

UNFINISHED AREA STORAGE BASEMENT = 205 GARAGE = 722

KH-6106 (LOT 157)

1/8" = 1'0"



KH-6106 (LOT 157)

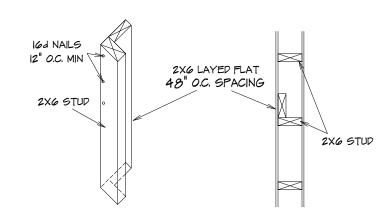
RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 01/18/2022 12:01:50

SEE ELEVATION FOR WALL HEIGHTS

NOTE... ELECTRICAL SERVICE TO BE 200 AMP.

NOTE... DOUBLE JOIST UNDER
ALL PARALLEL WALLS
ABOVE UNLESS NOTED

S.D. = SMOKE DETECTOR



EXTERIOR TALL WALL SECTION

10' TRU 18' TALL WALLS UNINTERRUPTED
TO BE CONSTRUCTED WITH
2X6 STUPS 16" O.C. WITH
STIFF BACK EVERY 48" O.C.

GENERAL HEADER SPECIFICATIONS:			
REQUIRED AREAS NEEDING HEADERS:	HEADER DESCRIPTIONS:		
WINDOWS/DOORS UP TO 38" R.O.	(2) #2 D-FIR 2X10'S		
WINDOWS/DOORS 38" UP TO 72" R.O.	(2) #2 D-FIR 2X10'S W/1/2" GLUE PLY		
WINDOWS/DOORS 72" UP TO 96" R.O.	(2) 9 1/2" L.V.L.		
8'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.		
9'0" GARAGE DOORS W/CEILING & ROOF LOAD	(2) 9 1/2" L.V.L.		
8'0" GARAGE DOORS W/SECOND FLOOR	(2) 9 1/2" L.V.L.		
9'0" GARAGE DOORS W/SECOND FLOOR	(2) 11 7/8" L.V.L.		
16'0" GARAGE DOOR W/NO SECOND FLOOR	(2) 11 7/8" L.V.L.		
16'0" GARAGE DOORS W/SECOND FLOOR	(2) 14" L.V.L.		

R312.2.1 Window sills.

In dwelling units, where the opening of an operable window is located more than 72 inches (1829 mm) above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches (610 mm) above the finished floor of the room in which the window is located. Operable sections of windows shall not permit openings that allow passage of a 4-inch-diameter (102 mm) sphere where such openings are located within 24 inches (610 mm) of the finished floor.

Exception

- I. Windows whose openings will not allow a 4-inch-diameter (102 mm) sphere to pass through the opening when the opening is in its largest opened position.
- 2. Openings that are provided with window fall prevention devices that comply with ASTM F 2000.3. Windows that are provided with window opening control devices that
- 3. Windows that are provided with window opening control devices the comply with Section R312.2.2.

R312.2.2 Window opening control devices.

Window opening control devices shall comply with ASTM F 2000. The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by Section R310.1.1.

Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 square feet, one-half of which must be openable.

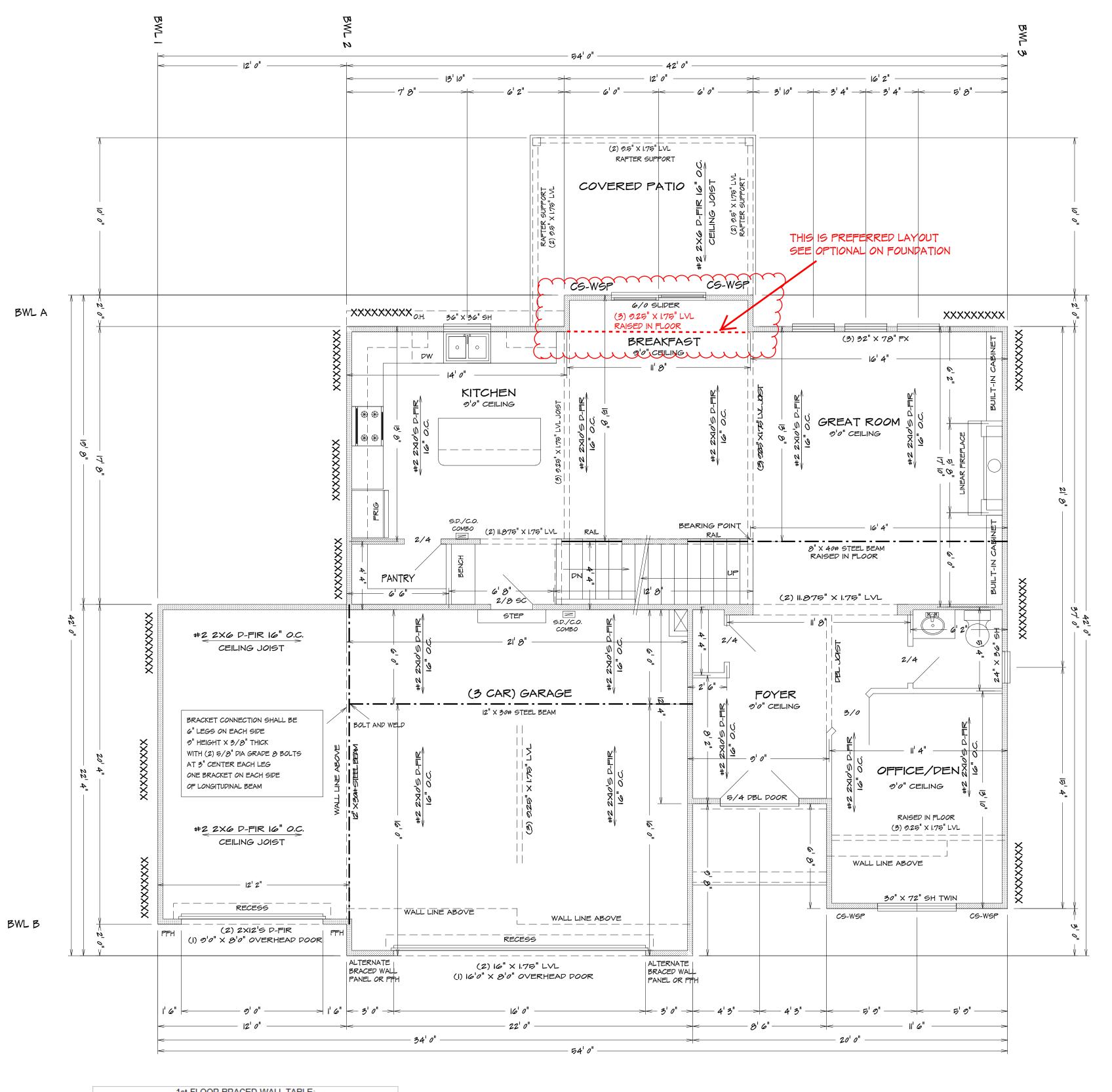
Exception:

The glazed areas shall not be required where artificial light and a local exhaust system are provided.

The minimum local exhaust rates shall be determined in accordance with Section MI507.

Exhaust air from the space shall be exhausted directly to the outdoors.

1833 SW SAGE CANYON LEES SUMMIT MO LOT 157 NAPA VALLEY



BWL A	SPC	REQ'D LENGTH	PROVIDED LENGTH	TYPE
Α			LLINGIII	
	21	7.75	13	CS-WSP/WSF
В	21	7.75	17	CS-WSP/PFF
1	27	10.5	12	WSP
2	28	10.5	12	WSP
3	27	10.5	12	WSP
6" O.C. PERIM	STRUCTURAL P. ETER, 12" O.C. SUM BOARD, S	INTERIOR		
PFH - PORTAL	. FRAME WITH I	HOLD-DOWNS,	PER DETAIL	
CS-PF - CONT	INUOUS SHEAT	HING PORTAL F	RAME PER DE	ETAIL

ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC

BEARING WALL

FIRST FLOOR PLAN

1/4" = 1'0"

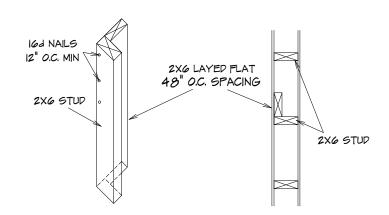


SEE ELEVATION FOR WALL HEIGHTS

NOTE... ELECTRICAL SERVICE TO BE 200 AMP.

NOTE... DOUBLE JOIST UNDER ALL PARALLEL WALLS ABOVE UNLESS NOTED

S.D. SMOKE DETECTOR



EXTERIOR TALL WALL SECTION

10' TRU 18' TALL WALLS UNINTERRUPTED TO BE CONSTRUCTED WITH 2X6 STUDS 16" O.C. WITH STIFF BACK EVERY 48" O.C.

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1833 SW SAGE CANYON LEES SUMMIT MO LOT 157 NAPA VALLEY

THIS IS PREFERRED LAYOUT SEE OPTIONAL ON FOUNDATION BWL A XXXXXXXX BWL A XXXXXXXX 36" × 60" SH 36" X 60" SH EGRESS WND EGRESS WND (2) 2XI2'S D-FIR BEDROOM #4 (2) 11.875" X 1.75" LVL RAISED (2) 2X12'S D-FIR (2) 2X12'S D-FIR CLOSET (2) 9.5" X 1.75" LVL MSTR CLST BEDROOM #2 BEDROOM #3 30" × 36" FX VANITY TOP 30"X \$6" FX5-WSP EGRESS WND 30" X 64" SH TWIN BWL B BWL B EGRESS WND 30" X 64" SH TWIN 20'0" -ALL NOTES, SECTIONS, AND DRAWINGS 2018 IRC 2nd FLOOR BRACED WALL TABLE:

	ARE IN ACCORDANCE WITH THE
TYPE	
WSP	

WSP- WOOD STRUCTURAL PANEL, 7/16" STRUCTURAL SHEATHING, 8d @ 6" O.C. PERIMETER, 12" O.C. INTERIOR

CS-WSP

GB - 1/2" GYPSUM BOARD, SCREWS @ 7" O.C. THROUGHOUT PFH - PORTAL FRAME WITH HOLD-DOWNS, PER DETAIL

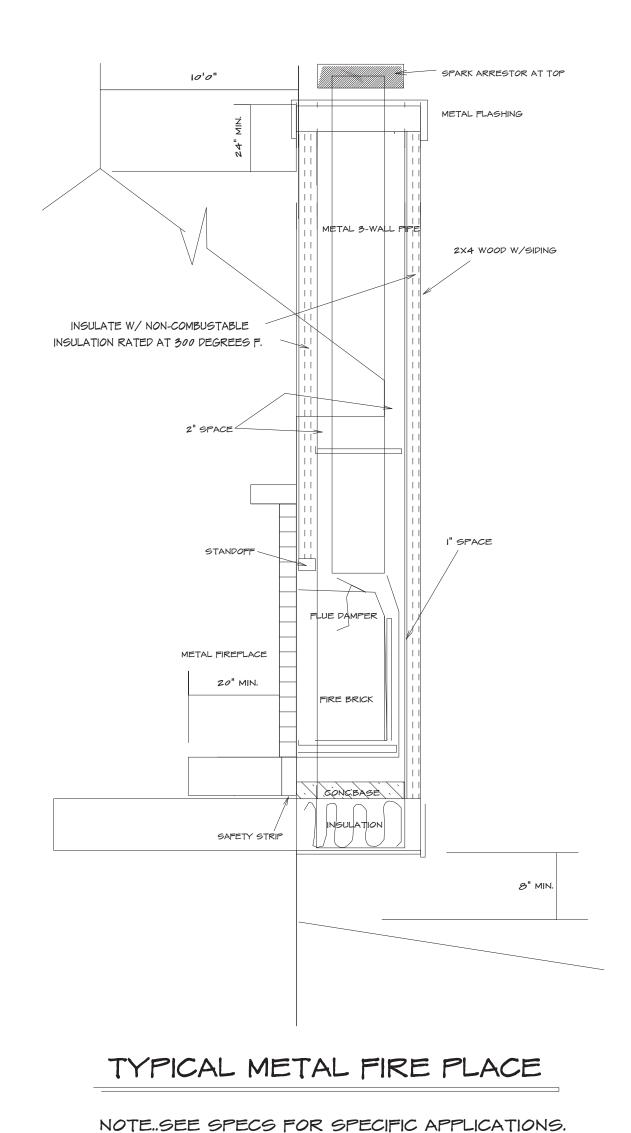
CS-PF - CONTINUOUS SHEATHING PORTAL FRAME PER DETAIL

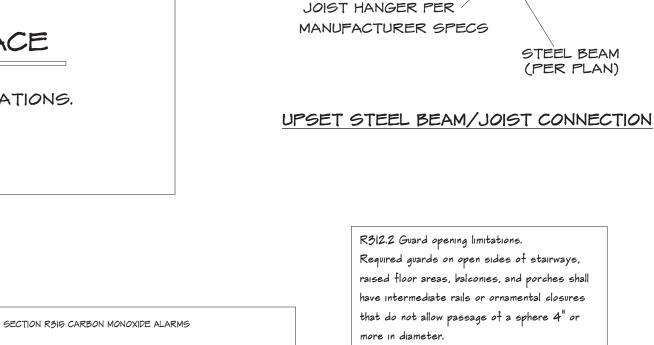
LIB - LET IN BRACING, METAL SURFACE STRAP OPTION. SIMPSON STRONG TIE WB126 OR EQ. INSTALL PER MFG.

BEARING WALL

SECOND FLOOR PLAN 1/4" = 1'0"







1/2" THRU-BOLTS

@ 24" O.C.

JOIST

4" CONCRETE

4" CRUSHED ROCK

2x TREATED LEDGER BOARD

GARVANIZED LAG BOLTS

THROUGH LEDGER INTO RIM

SEE PLAN FOR SIZE

STEEL STRAP

CCA

2'-0" MAX

(or PER PLAN)

BLOCK BETWEEN JOIST

STAIR SECTION (TYP)

PECK JOIST 1/2" O LAG EQUIVALENT SPACING SPAN SPACING FOR 16" O.C. JOIST BAYS

10'-0" -14'-0" | 12" O.C. | 16" O.C. DBL. EVERY OTHER

14'-0" -18'-0" 8" O.C. 16" O.C. DBL. EVERY JOIST BAY

3/4" T&G SUBFLOOR

JOIST PER PLAN

TYPICAL CANTILEVER FRAMING W/ DECK ATTACHMENT

UP TO 10'-0" 16" O.C. N/A

RIM JOIST W/ INVERTED HANGERS

ATTACHED TO CANTILIVEIED JOISTS

GARAGE

I. THE GARAGE FLOOR SHALL BE SLOPED TOWARD GARAGE DOORS 2. DOORS BETWEEN GARAGE AND DWELLING - MIN | 3/3" SOILD CORE OR HONEY COMBED STEEL DOOR OR 20 MIN. RATED 3. GARAGE TO HAVE 5/8" TYPE X GYPSUM THROUGHTOUT

4. THE H-FRAM SHALL CONSIST OF 2X6 FRAMING

GLAZING

GLAZING IN HAZARDOUS LOCATIONS AS IDENTIFIED IN IRC SECTION R308.4 SHALL BE APPROVED SAFTY GLAZING MATERIALS: GLASS IN STORM DOORS, INDIVIDUAL FIXED OR OPENABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24" ARCH OF THE DOOR IN CLOSED POSITION AND WHOSE BOTTEM EDGE IS WITHIN 60" OF THE FLOOR: WALLS ENCLOSED STAIRWAYS AND LANDINGS WHERE THE GLAZING IS WITHIN 60" OF THE TOP OR BOTTEM OF THE STAIR: ENCLOSURES FOR SPAS, TUBS, SHOWERS, AND WHIRLPOOLS: GLAZING IN FIXED OR OPENABLE PANELS EXCEEDING 9 SQ. FT. AND WHOSE BOTTEM EDGE IS LESS THAN 18" ABOVE THE FLOOR OR WALKING SURFACE WITH IN 36"

EMERGENCY EGRESS

PROVIDE ONE WINDOW FROM EACH BEDROOM THAT HAS A MIN. OPENABLE AREA OF 5.7 SR. FT. WITH A MIN. OPENABLE HEIGHT OF 24" AND WIDTH OD 21"

ELECTRICAL OUTLETS

- . ALL OUTLETS TO BE ARC FAULT CIRCUIT-INTERRUPTER OR GROUND FAULT CIRCUIT-INTERRUPTER PROTECTED EXCEPT.. REFRIGERATOR, SINGLE OUTLET FOR SUMP PUMP AND SINGLE OUTLET IN GARAGE FOR A FREEZER
- 2. ALL OUTLETS TO BE TAMPER RESISTANT

area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages. Carbon monoxide detection systems that include carbon

For new construction, an approved carbon monoxide

alarm shall be installed outside of each separate sleeping

R315.1 Carbon monoxide alarms.

monoxide detectors and audible notification appliances, i nstalled and maintained in accordance with this section for carbon monoxide alarms and NFPA 720, shall be permitted. The carbon monoxide detectors shall be listed as complying with UL 2075. Where a household carbon monoxide detection system is installed, it shall become a permanent fixture of the occupancy, owned by the homeowner and shall be monitored by an approved supervising station.

FRAMING NOTE

I. ALL LUMBER SIZES ARE FOR #2 D-FIR-LARCH

- 2. ALL HEADERS TO BE MIN. (2) #2-2XIO
- 3. BLOCK CANTILEVERS, DOOR JAMBS, AND OVER BEAMS 4. ALL HEADRS TO BEAR ON MIN. OF (2) 2X4 STUDS 5. JOIST UNDER BEARING PARTITIONS SHALL BE DOUBLED AND COMPLY WITH IRC SEC. R502.4
- 6. WATER-RESISTIVE BARRIER SHALL BE PROVIDED OVER ALL EXTERIOR WALL PER IRC SEC. R703
- 7. WHERE CEILING JOIST ARE NOT INSTALLED CONNECTED TO THE RAFTERS AT THE TOP PLATE AND/OR WHERE CEILING JOIST ARE NOT INSTALLED IN THE LOWER 1/3 OF ATTIC SPACE RAFTER TIES SHALL BE INSTALLED IN THE LOWER 1/3 OF ATTIC SPACE
- 8. COLLAR TIES SHALL BE PROVIDED IN THE ATTIC SPACE IN THE UPPER 1/3 OF ATTIC 9. ROOF IS DESIGNED FOR 20 P.S.F. ROOF SNOW LOAD (MIN.)
- 10. MIN 20 YR. ASPHALT SHINGLES II. RAFTER TIES SHALL NOT BE REQUIED WHEN A STRUCTURAL RIDGE HAS BEEN PROVIDED AND ADEQUATELY DESIGNED (AS IN A FULLY VAULTED ROOM) SUCH SHALL BE NOTED AS "STRUCTURAL" ON THE PLAN. PER IRC SEC. 802.3

raised floor areas, balconies, and porches shall

R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes

shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches in thickness, solid or honeycomb-core steel doors not less than 13/8 inches thick, or 20-minute fire-rated doors, equipped with a self-closing device.

SMOKE ALARMS:

2018 IRC. PROVIDE SMOKE ALARMS IN EACH SLEEPING ROOM, OUTSIDE OF EACH SLEEPING ROOM AND ON EACH FLOOR, INCLUDING BASEMENT. ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE DWELLING. (SECTION R314.5)

INSULATION NOTES:

MIN. INSULATION SHALL BE PROVIDED ADJACENT TO HABITABLE AREAS AS EXTERIOR FRAMED WALLS (RIO OR RI3+5) FLOOR OVER HEATED SPACE RIO FLOOR OVER OUTSIDE AIR RIO

ATTIC - BLOWN IN R40

CATHEDRAL CEILING

12" O.C. BOTH-WAYS W/1" TO I-I/2" BOTTOM CLEARANCE METAL FLASHING OVER EPDM SLOPE SLAB 1/8"-1/4" PER FT. CAULKING - SEALANT LAYER DRILL/EMBED MIN. 5" INTO FOUNDATION #4 REBARS CONTINUOUS AROUND PERIMETER FOUNDATION WALL OF SUSPENDED SLAB FOUNDATION WALL PER PLAN PER PLAN

ROOFING MATERIAL

FAFTER ATTIC SPACE

R-40 INSULATION (MIN)

CEILING JOIST

1/2" GYP. BOARD

—1/2" GYP. BOARD

R-19 OR R13+5

INSULATION

- DOUBLE TOP PLATE

- EXTERIOR SHEATHING

-2X4 STUP @ 16" O.C.

FLOOR JOIST-PER PLAN

<−− 1/2" GYP. BOARD

INSULATION

R-10 OR R13+5

- EXTERIOR SHEATHING

— 2X4 STUD @ 16" O.C.

FLOOR JOIST-PER PLAN

1/2" ANCHOR BOLTS

@ 36" O.C. (MIN. 7")

4" CONC. SLAB MIN

4" ROCK MIN

UNDISTURBED SOIL

3/4" T&G SUBFLOOR

PER PLAN

3/4" T&G SUBFLOOR

- BAFFLE FOR POSITIVE VENTILATION

PER PLAN

240 LB ASPHALT SHINGLES

7/16" OSB SHEATHING

2-PLY 15# FELT

ICE BEARIER

self-adhering polymer

METAL EDGE

GUTTER -

IX8 FASCIA

SOFFIT BOARD -

2X4 NAILER-

IX4 TRIM BOARD —

2X6 SUB-FASCIA

SOFFIR VENTS 8' O.C.

7/16" OSB SHEATHING

W/ TYVEX HOUSE WRAP

7/16" OSB SHEATHING

UNDERNEATH

RIM JOIST

8" MIN.

TREATED SILL PLATE

WATERPROOF BELOW GRADE

FOR REBAR LOCATION AND SPACING

SEE FOUNDATION NOTES

8" CONC. WALL ---

4" DRAIN TILE

CONC. FOOTING

TYPICAL WALL SECTION

SEE FOUNDATION NOTES

GRADE

SILL SEALER

W/ TYVEX HOUSE WRAP

UNDERNEATH

FORMWORK OPTIONS:

NOTE.. MAX RISE 7 3/4"

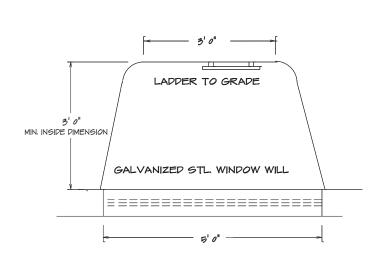
FLOOR JOIST PER PLAN

MIN. RUN 10"

- I. PROVIDE VULCRAFT 2VLI (OR EQUAL CORRUGATED DECKING (SHORE AT MID-SPAN DURING CONSTRUCTION) or
- 2. PLYWOOD FORMS WITH EXPANDABLE BAR JOIST OR TEMPORARY FRAMED WALLS BY CONTRACTOR

SUSPENDED PORCH STOOP DETAIL OPTIONAL

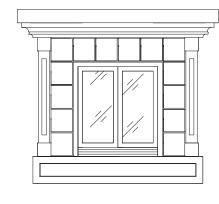
6" CONC. SLAB W/ #4 BARS @



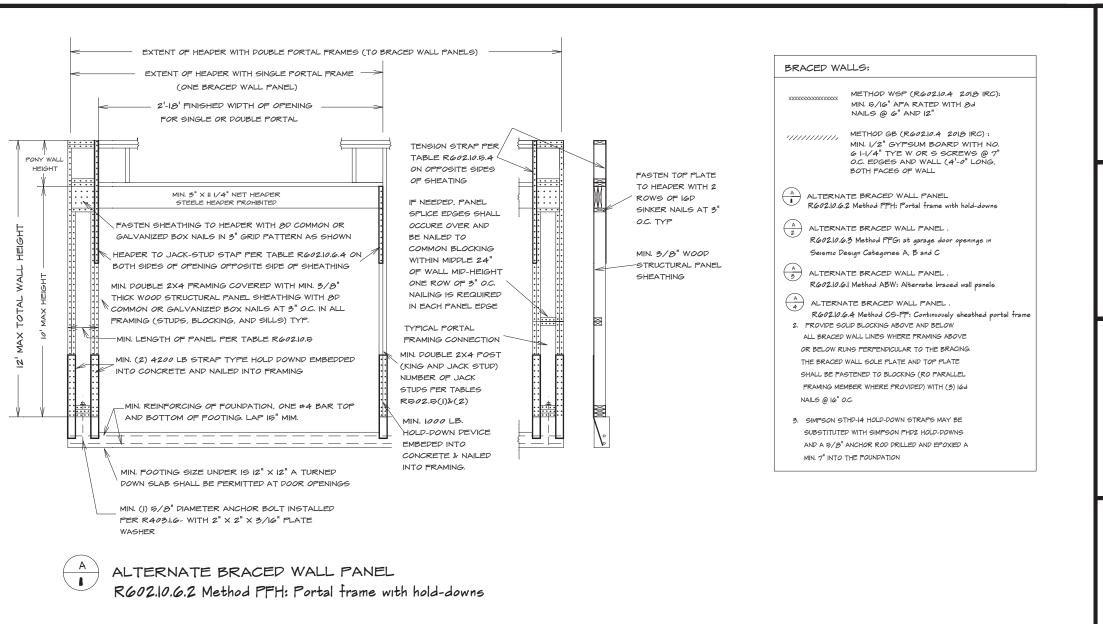
TYPICAL EGRESS WINDOW PLAN SECTION

PORCH SLAB (6'SPAN OR LESS) . MAXIMUM SPAN = 6'

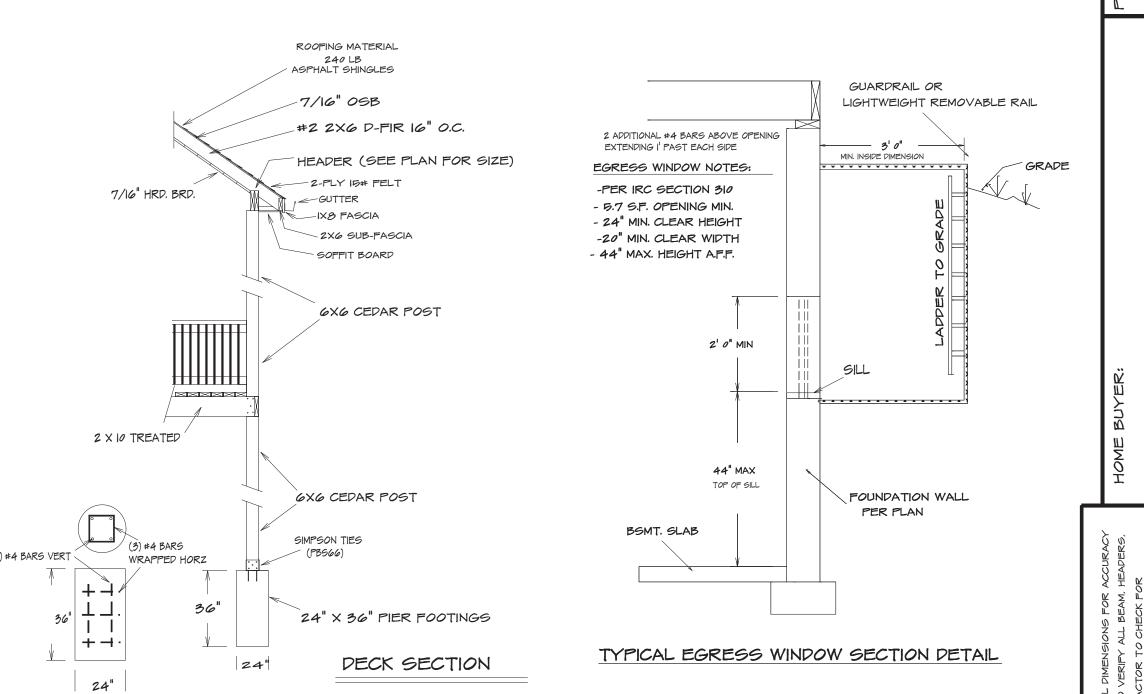
- 2. MINIMUM 6" THICKNESS 3. #4 REBARS AT IZ" O.C. EACH WAY 4. MIN. I-I/2" OF CONTINUIUS BEARING AT THE EDGES OF SLAB
- 5. PORCH SLAB GREATER THEN 6' SHALL BE TREATED AS AN ELEVATED GARAGE SLAB

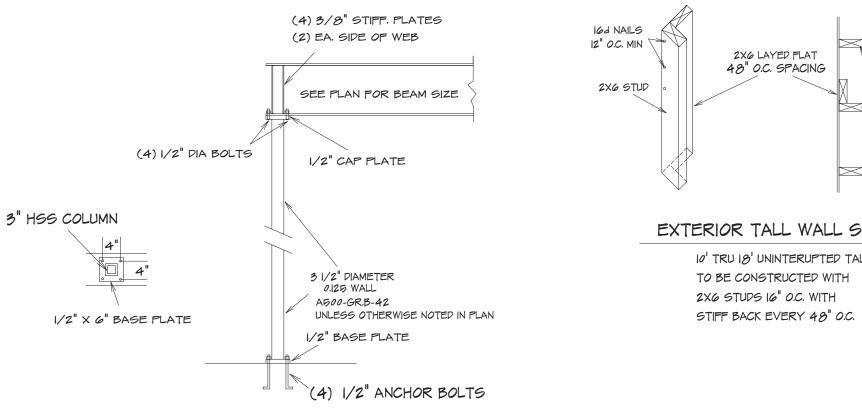


TYPICAL F.P. FRONT



BRACED WALL SECTION





HSS COLUMN DETAIL

2X6 STUD EXTERIOR TALL WALL SECTION 10' TRU 18' UNINTERUPTED TALL WALLS

ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC



RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 01/18/2022 12:01:50

Foundation Wall Reinforcement Schedule - Table 2

Concrete strength/Grade	8 inch	thick	wall	10 inc	h thic	k wal
Reinforcement #4 bar	8'	9'	10'	8'	9'	10'
3,000 psi / Grade 40	16	12	NP	24	16	12
3,500 psi / Grade 40	16	12	NP	24	24	12
3,000 psi / Grade 60	24	16	NP	24	20	16
3,500 psi / Grade 60	24	16	NP	24	24	16
Horizontal reinforcement -	- Minim	num Gr	ade 40) steel	#4	oar
One bar 12" from top of wall; maximum spacing 24" o.c.	4-#4	5-#4	6-#4	4-#4	5-#4	6-#4

- 1) Wall height is measured from the top of the wall to the top of the floor slab.
- 2) Vertical reinforcement for concrete walls that are not full height and for reinforcement spaced 24 inch on center may be placed in the middle of the wall. Other walls shall have vertical reinforcement place as follows:
- a) 8-inch wall Minimum 5 inches from the outside face.
 b) 10-inch wall Minimum 6.75 inches from the outside face.
- c) Extend bars to within 8 inches of the top of the wall.
- 3) Reinforcement clearances:
- a) Concrete exposed to earth minimum 1-1/2 inches.
- b) Not exposed to weather (interior side of walls) minimum 3/4 inch.
 c) Concrete exposed to weather (top clearance in garage and driveway slabs)- 1-1/2 inches.
- Horizontal reinforcement:
- a) One bar shall be placed within 12 inches of the top of the wall.
- b) Other bars shall be equally spaced with spacing not to exceed 24 inches on center.c) Horizontal bars should be as close to the tension face as possible (interior) and behind
- the vertical reinforcement (i.e.2" towards the inside).
 d) Supplemental reinforcement at corners Place 1 #4 bar 48 inches long at 45 degree angle at corners of openings per Figure 4a. Place reinforcement within 6" of the edge of
- inside corners

 Neinforcement shall be lapped a minimum 24 inches at ends, splices, and around corners.

 At masonry ledges the minimum wall thickness shall be 3-1/2 inches. Ledges shall not
- exceed a depth of more than 24 inches below the top of the wall. For wall thicknesses less than 4 inches provide #4 bars at maximum 24 inches on center to within 8 inches of the top of the wall.
- Straight walls more than 5 feet tall and more than 16 feet long shall be provided with exterior braced return walls. Wall length shall be measured using inside the shortest dimension between intersecting walls (See 7/S2).

TABLE R602.3(1)—continued FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

	DESCRIPTION OF	DESCRIPTION OF	SPACING OF FASTENERS		
BUILDING MATERIALS		FASTENER ^{b, c, e}	Edges (inches) ⁱ	Intermediate supports ^{c, e} (inches)	
W	ood structural panels, su	bfloor, roof and interior wa sheathing to fo	ill sheathing to raming	framing and particleboard wall	
32	3/8" - 1/2"	6d common (2" × 0.113") nail (subfloor wall) 8d common (2 ¹ / ₂ " × 0.131") nail (roof) ^f	6	12 ⁹	
33	¹⁹ /32" - 1"	8d common nail (2 ¹ / ₂ " × 0.131")	6	12 ⁹	
34	1 ¹ /8" - 1 ¹ /4"	10d common (3" × 0.148") nail or 8d (2 ¹ /2" × 0.131") deformed nail	6	12	
	^	Other wall she	athing ^h		
35	¹ / ₂ " structural cellulosic fiberboard sheathing	$_2$ " structural cellulosic nail, $_7/_{16}$ " crown or 1" crown staple 16 ga., $_1^1/_4$ " long		6	
36	²⁵ / ₃₂ " structural cellulosic fiberboard sheathing	$1^3/4$ " galvanized roofing nail, $^7/_{16}$ " crown or 1" crown staple 16 ga., $1^1/_2$ " long	3	6	
37	¹ / ₂ " gypsum sheathing ^d	1 ¹ / ₂ " galvanized roofing nail; staple galvanized, 1 ¹ / ₂ " long; 1 ¹ / ₄ screws, Type W or S	7	7	
38	⁵ /8" gypsum sheathing ^d	1 ³ /4" galvanized roofing nail; staple galvanized, 1 ⁵ /8" long; 1 ⁵ /8" screws, Type W or S	7	7	
Â	Wood stri	ictural panels, combination	subfloor unde	rlayment to framing	
39	³ /4" and less	6d deformed (2" × 0.120") nail or 8d common (2 ¹ / ₂ " × 0.131") nail	6	12	
40	⁷ /8" - 1"	8d common (2 ¹ / ₂ " × 0.131") nail or 8d deformed (2 ¹ / ₂ " × 0.120") nail	6	12	
41	11/8" - 11/4"	10d common (3" × 0.148") nail or 8d deformed (2 ¹ / ₂ " × 0.120") nail	6	12	

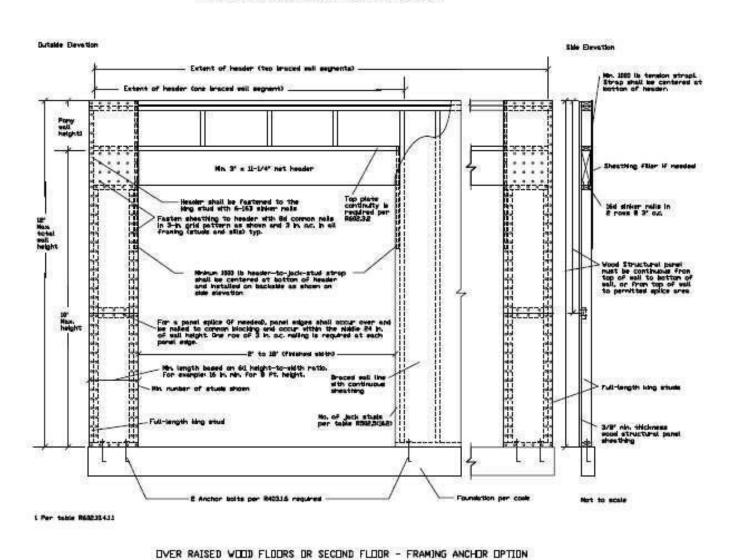
For SI: 1 inch = 25.4 mm. 1 foot = 304.8 mm. 1 mile per hour = 0.447 m/s: 1 Ksi = 6.895 MPa.

REQUIRED FO	OTING:		
BUILDING HEIGHT	MINIMUM FOOTING	HORIZONTAL REBAR	LOCATION OF REBAR
1 OR 2 STY.	8"T × 16"W	2-#4	3" FROM BTM.
3 STORY	8"T × 24"W	2-#4	3" FROM BTM.
ACC. STR.	8"T × 12"W	2-#4	3" FROM BTM.

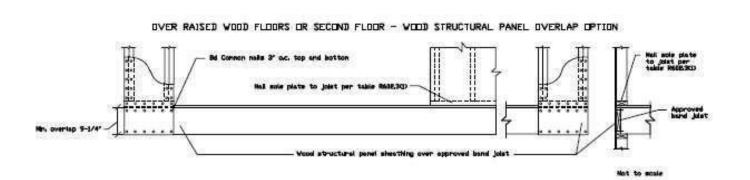
TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER ^{a, b, c}	SPACING OF FASTENERS
	#C 703	Roof	
1	Blocking between joists or rafters to top plate, toe nail	3-8d (2 ¹ / ₂ " × 0.113")	85 <u>-</u>
2	Ceiling joists to plate, toe nail	3-8d (2 ¹ / ₂ " × 0.113")	8 −
3	Ceiling joists not attached to parallel rafter, laps over partitions, face nail	3-10d	9-
4	Collar tie to rafter, face nail or 1 ¹ /4" × 20 gage ridge strap	3-10d (3" × 0.128")	9 -
5	Rafter or roof truss to plate, toe nail	3-16d box nails (3 ¹ / ₂ " × 0.135") or 3-10d common nails (3" × 0.148")	2 toe nails on one sid and 1 toe nail on opposite side of each rafter or trussi
6	Roof rafters to ridge, valley or hip rafters: toe nail face nail	4-16d (3 ¹ / ₂ " × 0.135") 3-16d (3 ¹ / ₂ " × 0.135") Wall	8-
7	Built-up studs-face nail	wall 10d (3" × 0.128")	24" o.c.
8	Abutting studs at intersecting wall corners, face nail	16d (3 ¹ / ₂ " × 0.135")	12" o.c.
9	Built-up header, two pieces with 1/2" spacer	16d (3 ¹ / ₂ " ×	16" o.c. along each edge
10	Continued header, two pieces	0.135") 16d (3 ¹ / ₂ " ×	16" o.c. along each edge
11	Continuous header to stud, toe	0.135") 4-8d (2 ¹ / ₂ " ×	-
12	Double studs, face nail	0.113") 10d (3" × 0.128")	24" o.c.
13	Double top plates, face nail	10d (3" × 0.128")	24" o.c.
14	Double top plates, minimum 24-inch offset of end joints, face nail in lapped area	8-16d (3 ¹ / ₂ " × 0.135")	9-
15	Sole plate to joist or blocking, face nail	16d (3 ¹ / ₂ " × 0.135")	16" o.c.
16	Sole plate to joist or blocking at braced wall panels	3-16d (3 ¹ / ₂ " × 0,135")	16" o.c.
17	Stud to sole plate, toe nail	3-8d (2 ¹ / ₂ " × 0.113") or 2-16d (3 ¹ / ₂ " × 0.135")	9 - 22
18	Top or sole plate to stud, end nail	2-16d (3 ¹ / ₂ " × 0.135")	82—
19	Top plates, laps at corners and intersections, face nail	2-10d (3" × 0.128")	16—
20	1" brace to each stud and plate, face nail	2-8d (2 ¹ / ₂ " × 0.113") 2 staples 1 ³ / ₄ " ×	% <u>_</u> 18 <u>55</u>
21	1" × 6" sheathing to each bearing, face nail	2-8d (2 ¹ / ₂ " × 0.113") 2 staples 1 ³ / ₄ "	8—5 =
22	1" × 8" sheathing to each bearing, face nail	2-8d (2 ¹ / ₂ " × 0.113") 3 staples 1 ³ / ₄	87cm
23	Wider than 1" × 8" sheathing to each bearing, face nail	3-8d (2 ¹ / ₂ " × 0.113") 4 staples 1 ³ / ₄ "	<u> </u>
		Floor	
24	Joist to sill or girder, toe nail	3-8d (2 ¹ / ₂ " × 0.113")	8-
25	Rim joist to top plate, toe nail (roof applications also)	8d (2 ¹ / ₂ " × 0.113")	6" o.c.
26	Rim joist or blocking to sill plate, toe nail	8d (2 ¹ / ₂ " × 0.113")	6" o.c.
27	1" × 6" subfloor or less to each joist, face nail	2-8d (2 ¹ / ₂ " × 0,113") 2 staples 1 ³ / ₄ "	8 <u>—144</u>
	2" subfloor to joist or girder, blind and face nail	2-16d (3 ¹ / ₂ " × 0.135")	857
28			1
28 29	2" planks (plank & beam - floor & roof)	2-16d (3 ¹ / ₂ " × 0.135")	at each bearing
5638	2" planks (plank & beam -		Nail each layer as follows: 32" o.c. at to

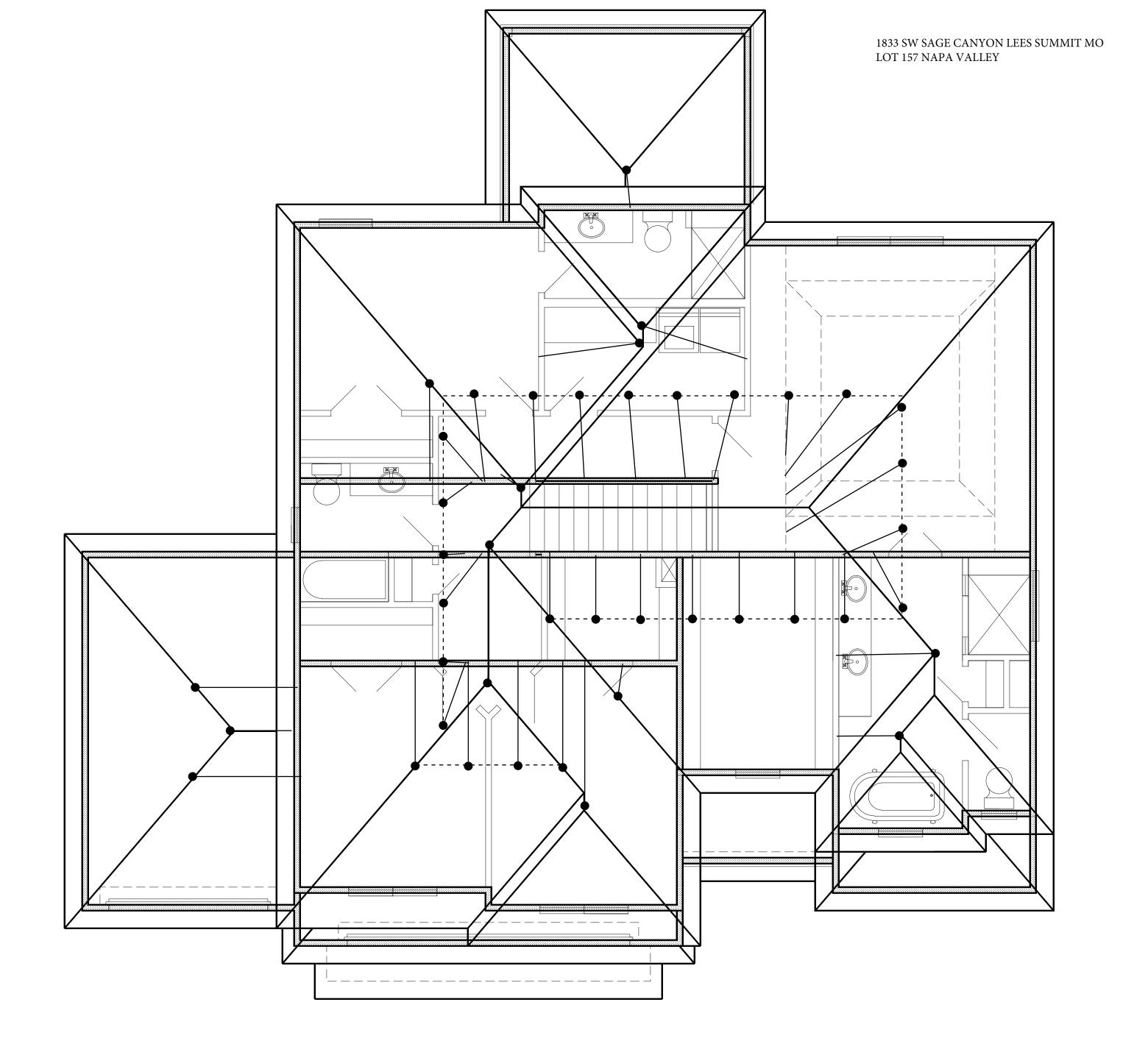
OVER CONCRETE OR HASONRY BLOCK FOUNDATION



Freshing anchors 670 to † 670 to — Mail solve plates to Jain't pair Saldie Biolit 3/13 Jai



CF-PF WALL BRACING SECTION



BEARING WALL LINES

KH-6106 (LOT 157) ROOF ELEVATION

1/4" = 1'0"

ROOF DESIGNED WITH: LIVE LOAD = 20 PSF

DEAD LOAD = 10 PSF

ALL NOTES, SECTIONS, AND DRAWINGS ARE IN ACCORDANCE WITH THE 2018 IRC NOTE... HIP RIDGE FOR THE MAIN ROOF AS:

2X8 FOR UNBRACED LENGTH UP TO 9'0"

2XI0 FOR UNBRACED LENGTH UP TO 10'0"

2XI2 FOR UNBRACED LENGTH UP TO 12'0"

ALL RAFTERS TO BE #2 2X6 D-FIR 16" O.C.
UNLESS OTHER WISE NOTED

PURLING RAFTERS TO BEARING WALL LINES

CONNECT RAFTERS TO CEILING JOIST W (4) 16d GALV. NAILS

CONNECT RAFTERS TO RIDGE, VALLEY, AND HIP RIDGE

VERT. RIDGE AND RAFTER SUPPORTS TO BE EQUAL TO OR GREATER
THAN THE DEPTH OF RAFTERS

WITH (4) 16d GALV. NAILS



PEUL PACO COP