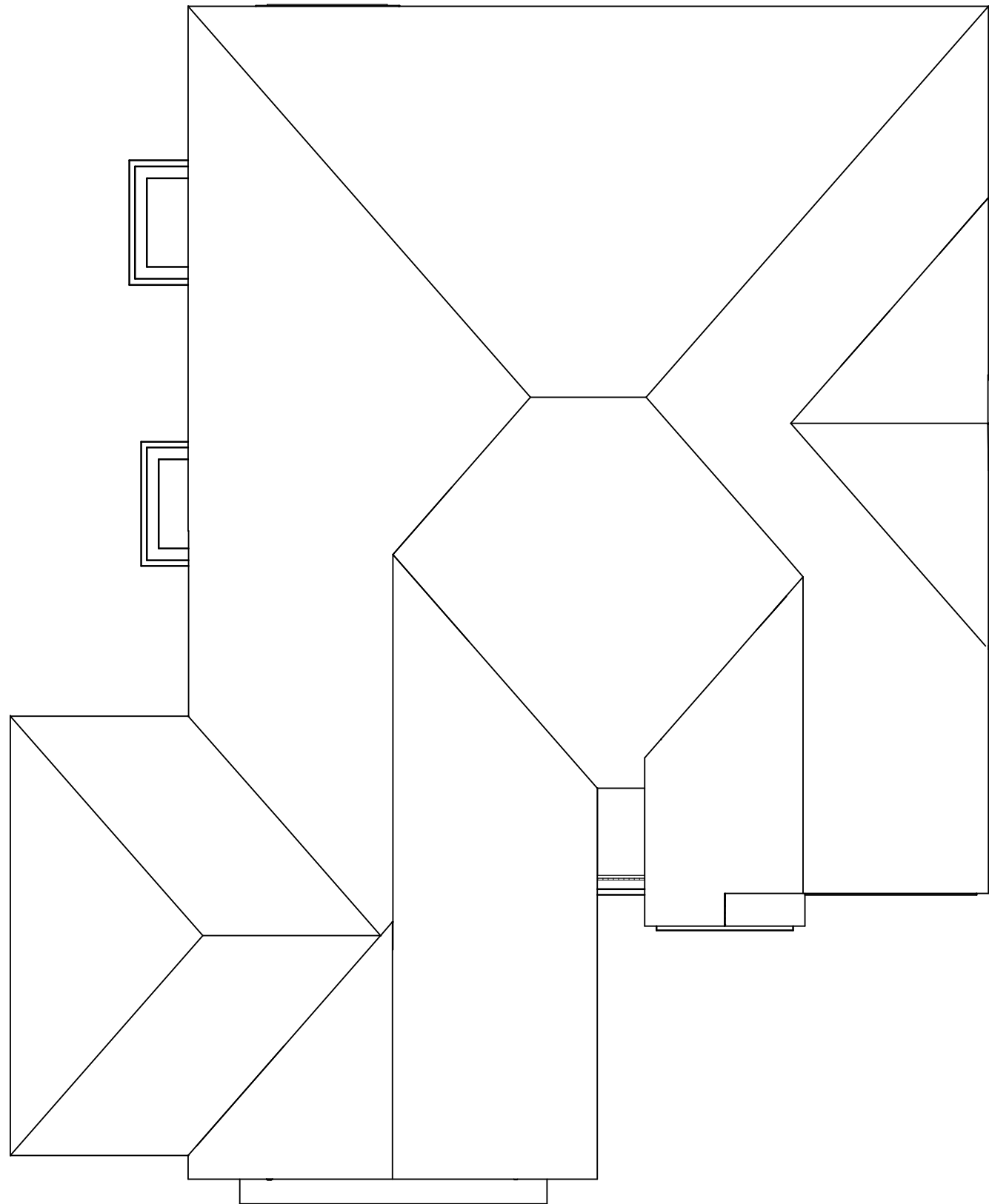


RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
10/15/2021 3:35:38

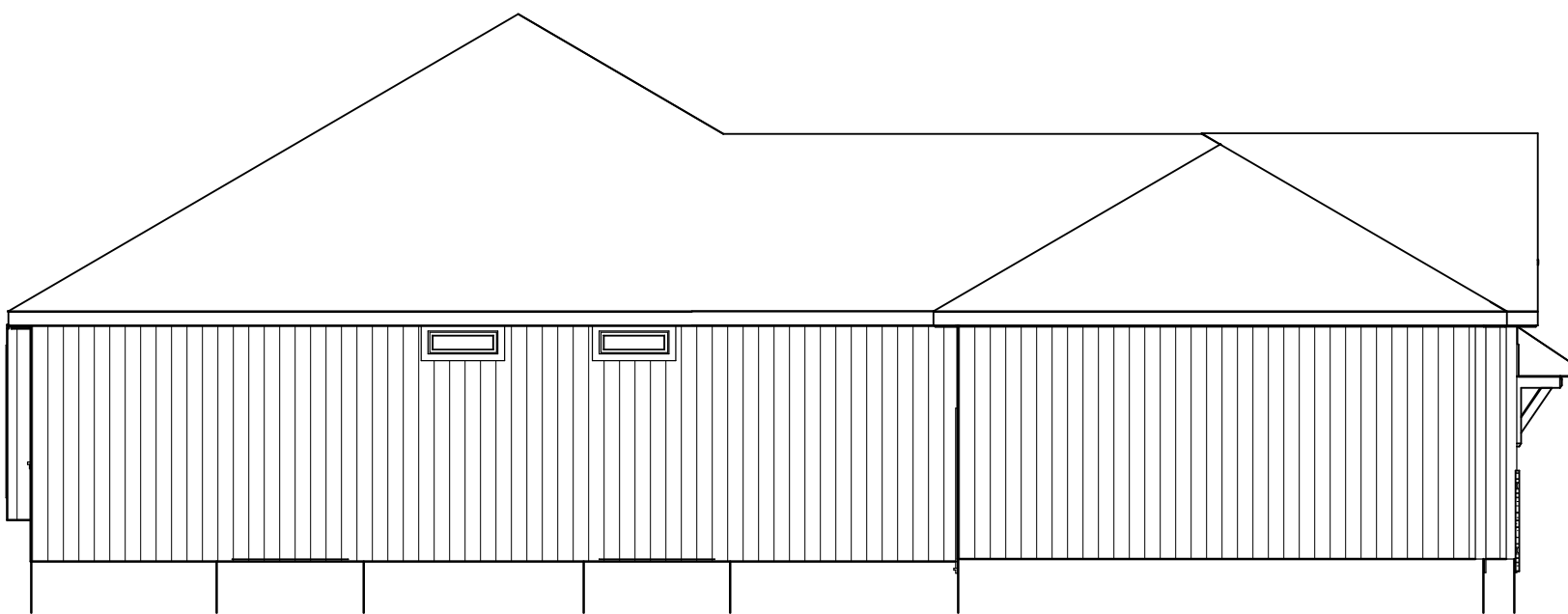


RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.
HIPS AND RIDGERS 2 X 8 DF NO 2 TYP.

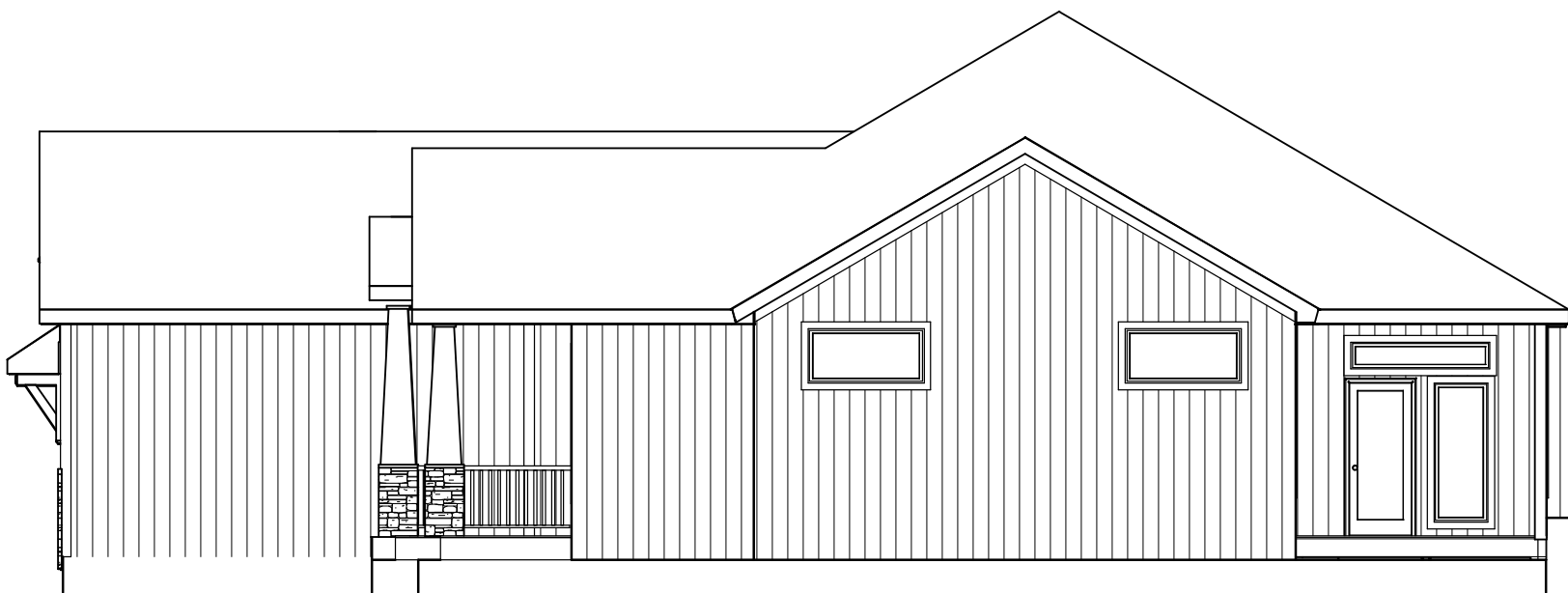
ROOF PLAN
1/8 = 1-0
SIDE TO SIDE 8/12
FRONT TO BACK 7/12



FRONT EL.
STUCCO, BOARD AND BATT, & STONE



LEFT EL.
1/8 = 1-0



RIGHT EL.
1/8 = 1-0



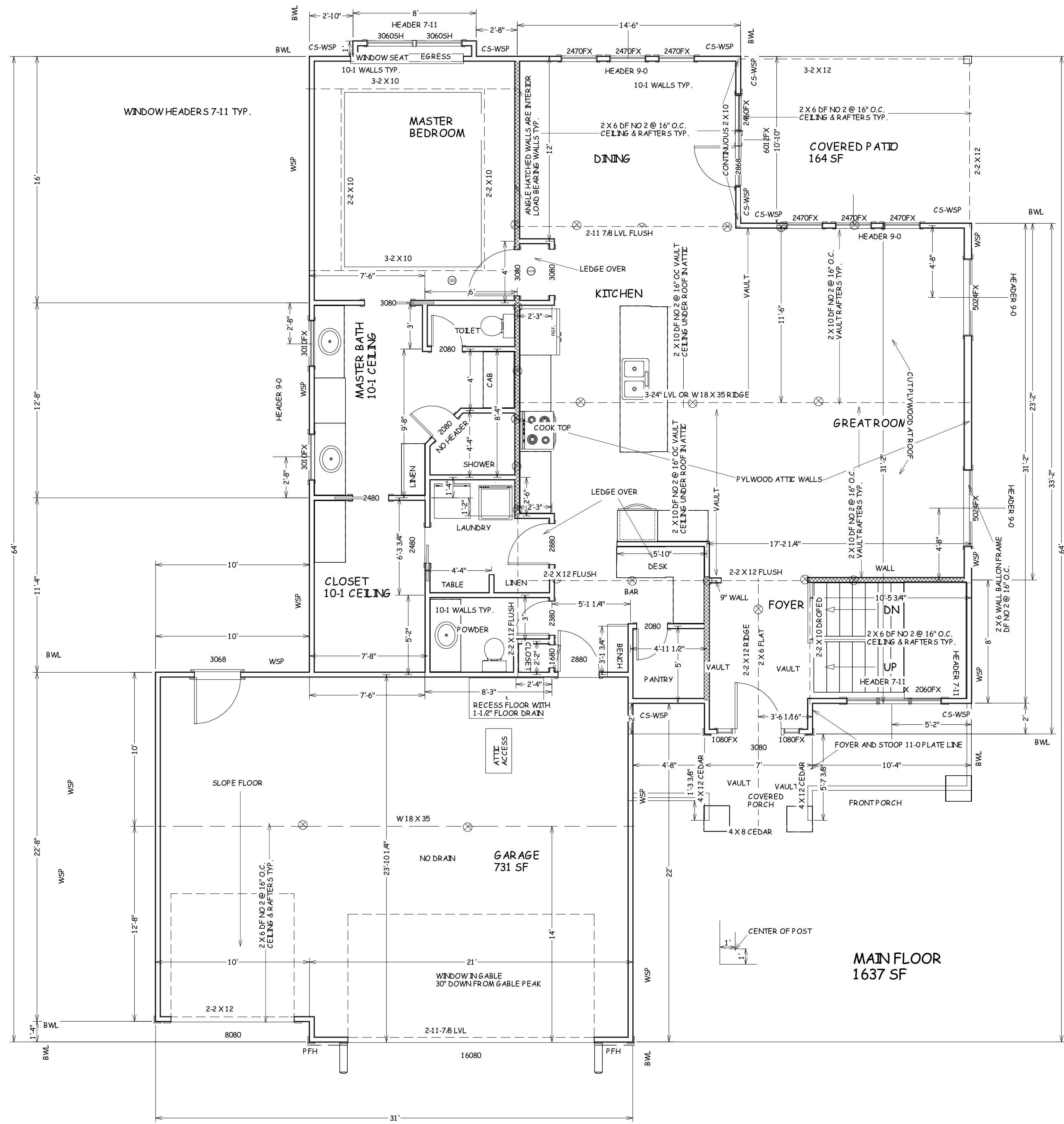
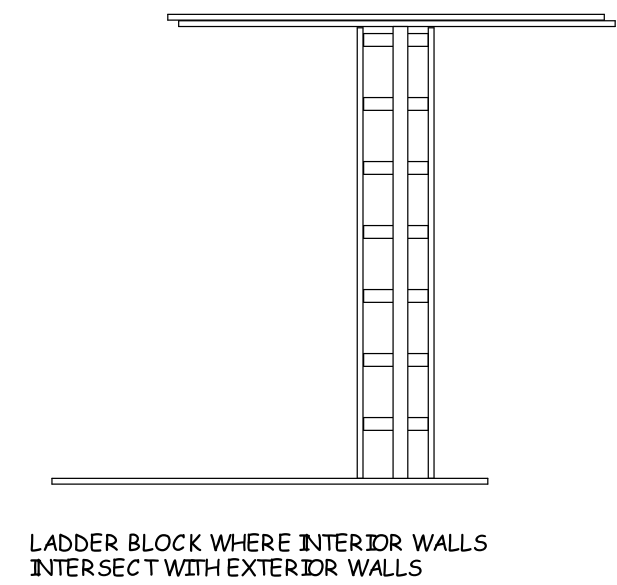
REAR EL.
1/8 = 1-0



BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.	LOT 125 MONTICELLO 4812 NE JAMESTOWN DR LEE SUMMIT MO	TRUMARK HOMES KYLE II	SCALE 1/4" = 1-0	DATE 10-5-21	PLAN NO. 3596	SHEET NO. 1 OF 5
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TYPICAL EXTERIOR CORNER FILE CORNER WITH STUDS



BUILD IN ACCORDANCE WITH
2018 INTERNATIONAL
RESIDENTIAL CODE AND
LOCAL CODES.

LOT 125 MONTICELLO
4812 NE JAMESTOWN DR
LEE SUMMIT MO

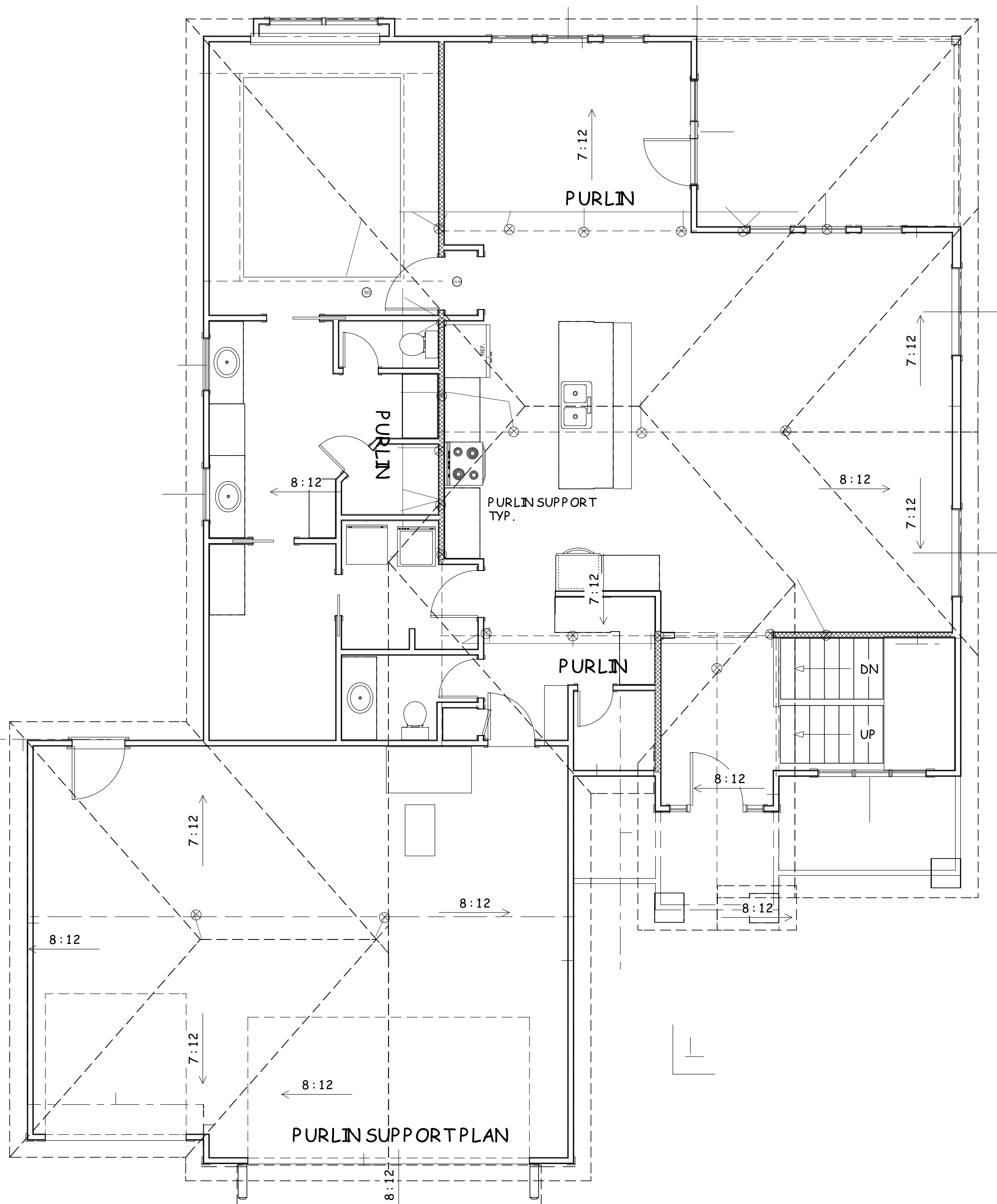
TRUMARK HOMES
KYLE II

SCALE
1/4" = 1'-0

DATE
10-5-21







PLAN NO.
3596

SHEET NO.
3 OF 5



STATE OF MISSOURI
DEPARTMENT OF PUBLIC SAFETY
DAVID PAUL
ASSISTANT
INCHARGE
B-10500
10-6-21

METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA	
			Fasteners	Spacing
LJB Let-in-bracing	1 x 4 wood or approved metal straps at 45° to 60° angles for maximum 16" stud spacing		Wood: 2-8d common nails or 3-8d (2 1/2" x long x 0.113" dia.) nails	Wood: per stud and top and bottom plates
			Metal strap: per manufacturer	Metal: per manufacturer
DWB Diagonal wood boards	1/2" (1" nominal) for maximum 24" stud spacing		2-8d (2 1/2" x long x 0.113" dia.) nails or 2 - 1 1/4" long staples	Per stud
WSP Wood structural panel (See Section R604)	3/8"		Exterior sheathing per Table R602.3(3)	6" edges 12" field
			Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener
BY-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	7/16"	See Figure R602.10.6.5	8d common (2 1/2" x 0.131) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts
SFB Structural fiberboard sheathing	1/2" or 2 1/8" for maximum 16" stud spacing		1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) 1 1/8" x 0.12" dia. (for 2 1/8" thick sheathing) galvanized roofing nails	3" edges 6" field
GB Gypsum board	1/2"		Nails or screws per Table R602.3(1) for interior locations	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field
			Nails or screws per Table R702.3.5 for interior locations	
PBS Particleboard sheathing (See Section R605)	3/8" or 1/2" for maximum 16" stud spacing		For 1/2", 6d common (2" long x 0.131" dia.) nails For 3/8", 8d common (2 1/8" x long x 0.131" dia.) nails	3" edges 6" field
PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		1 1/2" long, 11 gage, 7/16" dia. head nails or 7/16" long, 16 gage staples	6" o.c. on all framing members
HPS Hardboard panel siding	7/16" for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1/2" penetration into studs	4" edges 8" field
ABW Alternate braced wall	3/8"		See Section R602.10.6.1	See Section R602.10.6.1

METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA ^a	
				Fasteners	Spacing
Incremental Bracing Methods	PFH Portal frame with hold-downs	3/4"		See Section R602.10.6.2	See Section R602.10.6.2
	PFG Portal frame at garage	7/16"		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel	3/4"		Exterior sheathing per Table R602.3(3) Interior sheathing per Table R602.3(1) or R602.3(2)	6" edges 12" field Varies by fastener
	CS-C ⁴ Continuously sheathed wood structural panel adjacent to garage opening	3/4"		See Method CS-WSP	See Method CS-WSP
	CS-PT Continuously sheathed portal frame	7/16"		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB ^a Continuously sheathed structural fiberboard	1/2" or 5/16" for maximum 16" stud spacing		1 1/2" long x 0.12" dia. (or 7/16" thick sheathing) (or 10" long x 0.12" dia. (or 5/16" thick sheathing) galvanized roofing nails	3" edges 6" field

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m², 1 mill per hour = 0.447 mm/h.

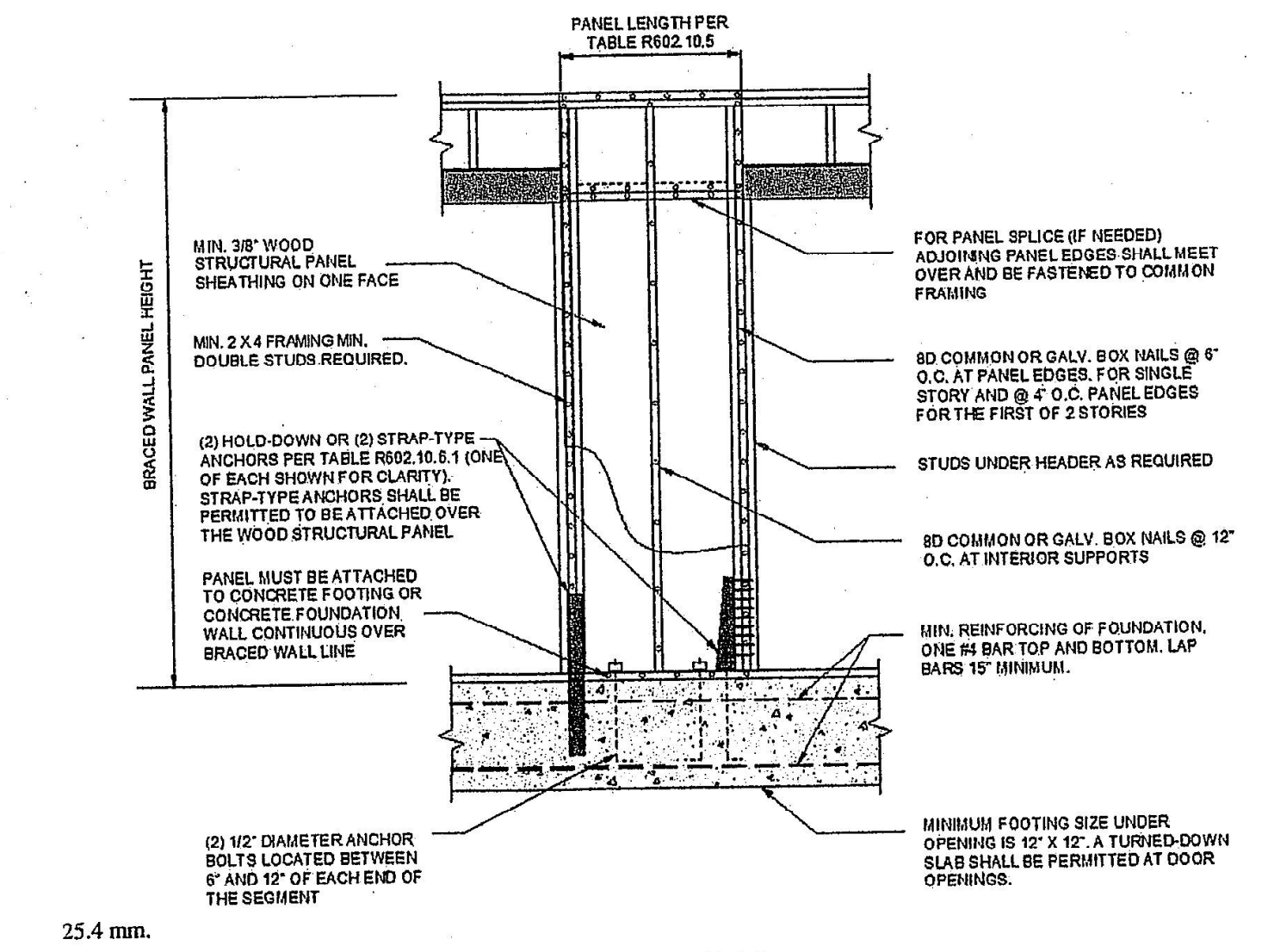


FIGURE R602.10.6.1
METHOD ABW—ALTERNATE BRACED WALL PANEL

METHOD (See Table R602.10.4)		MINIMUM LENGTH* (Inches)					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 = 0.5 x Actual
LIB		55	62	69	NP	NP	Actual ^b
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D ₁ , D ₂ and D ₃ , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
CS-G		24	27	30	33	36	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	
METHOD (See Table R602.10.4)		Portal header height					
		8 feet	9 feet	10 feet	11 feet	12 feet	
PFH	Supporting roof only	16	16	16	Note c	Note c	48
	Supporting one story and roof	24	24	24	Note c	Note c	
PFG		24	27	30	Note d	Note d	1.5 x Actual ^b
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	1.5 x Actual ^b
	SDC D ₁ , D ₂ and D ₃	16	18	20	Note e	Note e	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.
NP = Not Permitted.

- Linear interpolation shall be permitted.
- Use the actual length where it is greater than or equal to the minimum length.
- Maximum header height for PFI is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
- Maximum header height for PEG is 10 feet in accordance with Figure R602.10.6.3, but wall height shall be permitted to be increased to 12 feet with pony wall.
- Maximum header height for CS-PFI is 10 feet in accordance with Figure R602.10.6.4, but wall height shall be permitted to be increased to 12 feet with pony wall.

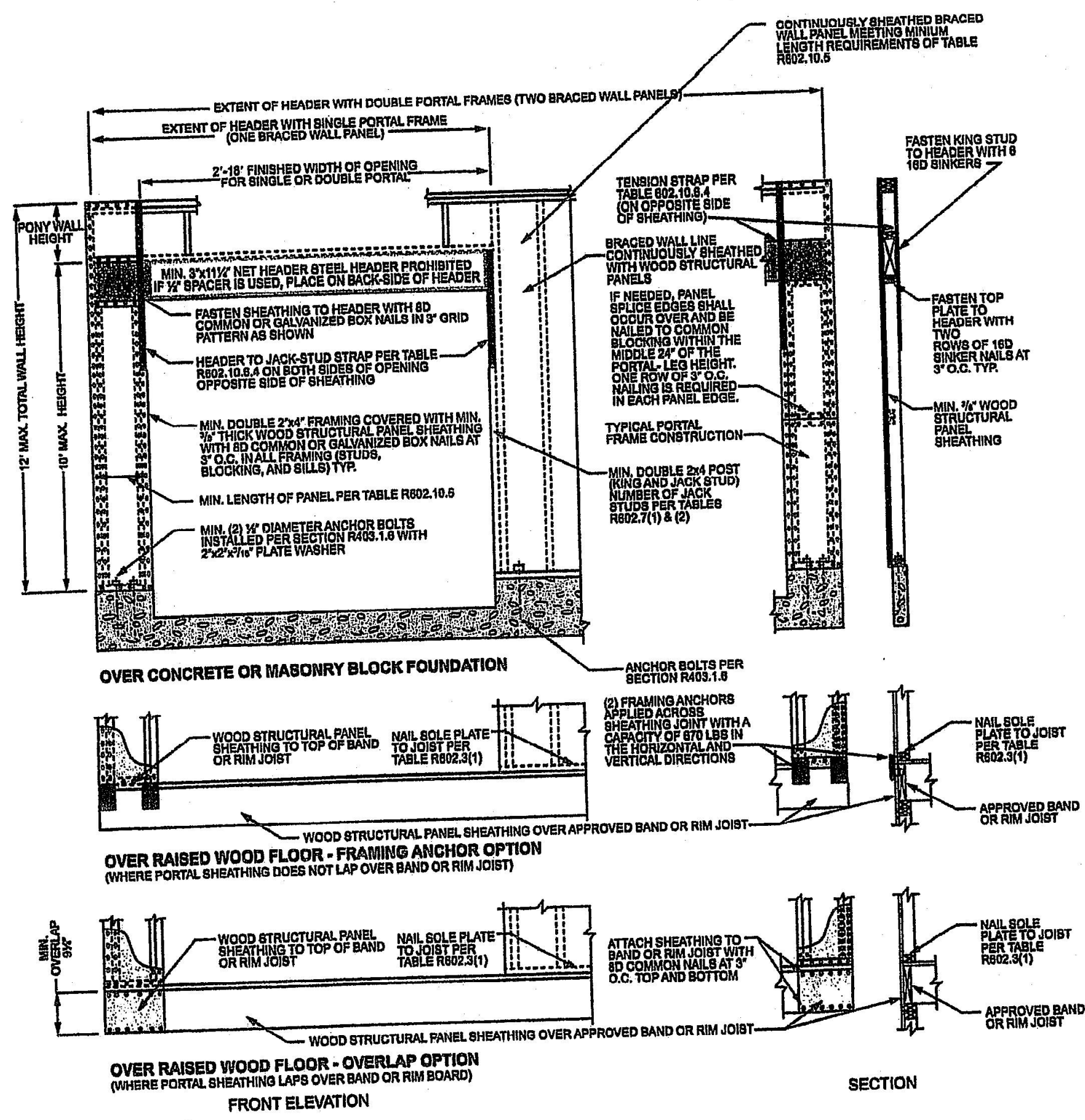


FIGURE R802.10.6.4
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

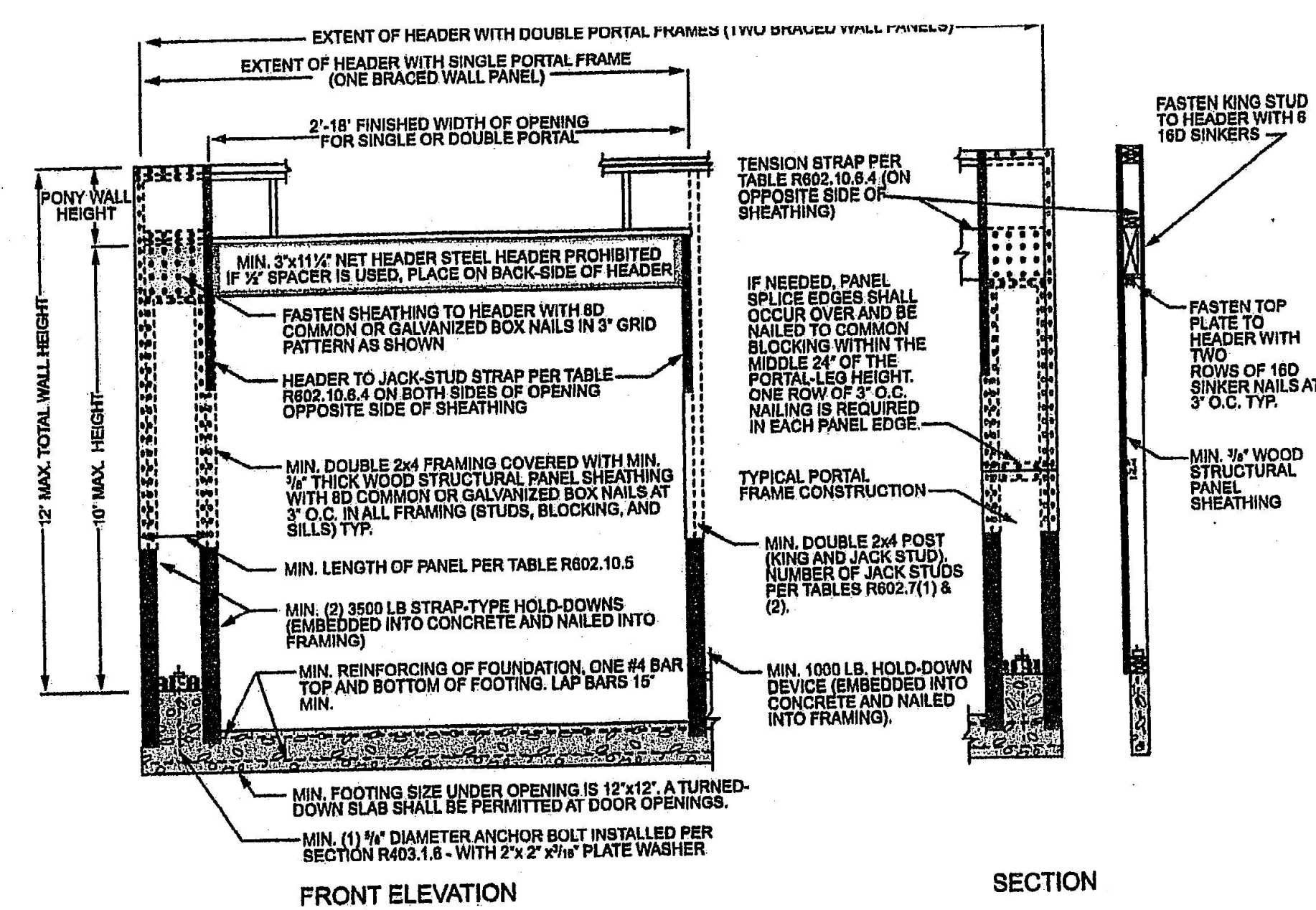


FIGURE R602.10.6.2
METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

BRACE WALL DETAILS
WIND SPEED 115 MPH
WIND EXPOSURE A
SEISMIC DESIGN CATEGORY A

4 mm, 1 foot = 304.8 mm.