

ROOF PLAN  
1/8 = 1-0  
ROOF PITCHES FRONT TO BACK 8/12 TYP. U.N.O.  
ROOF PITCHES SIDE TO SIDE 10/12 TYP. U.N.O  
RAFTERS 2 X 6 DF NO 2 @ 16" OC TYP.  
HIPS AND RIDGES 2 X 8 DF NO 2 TYP.

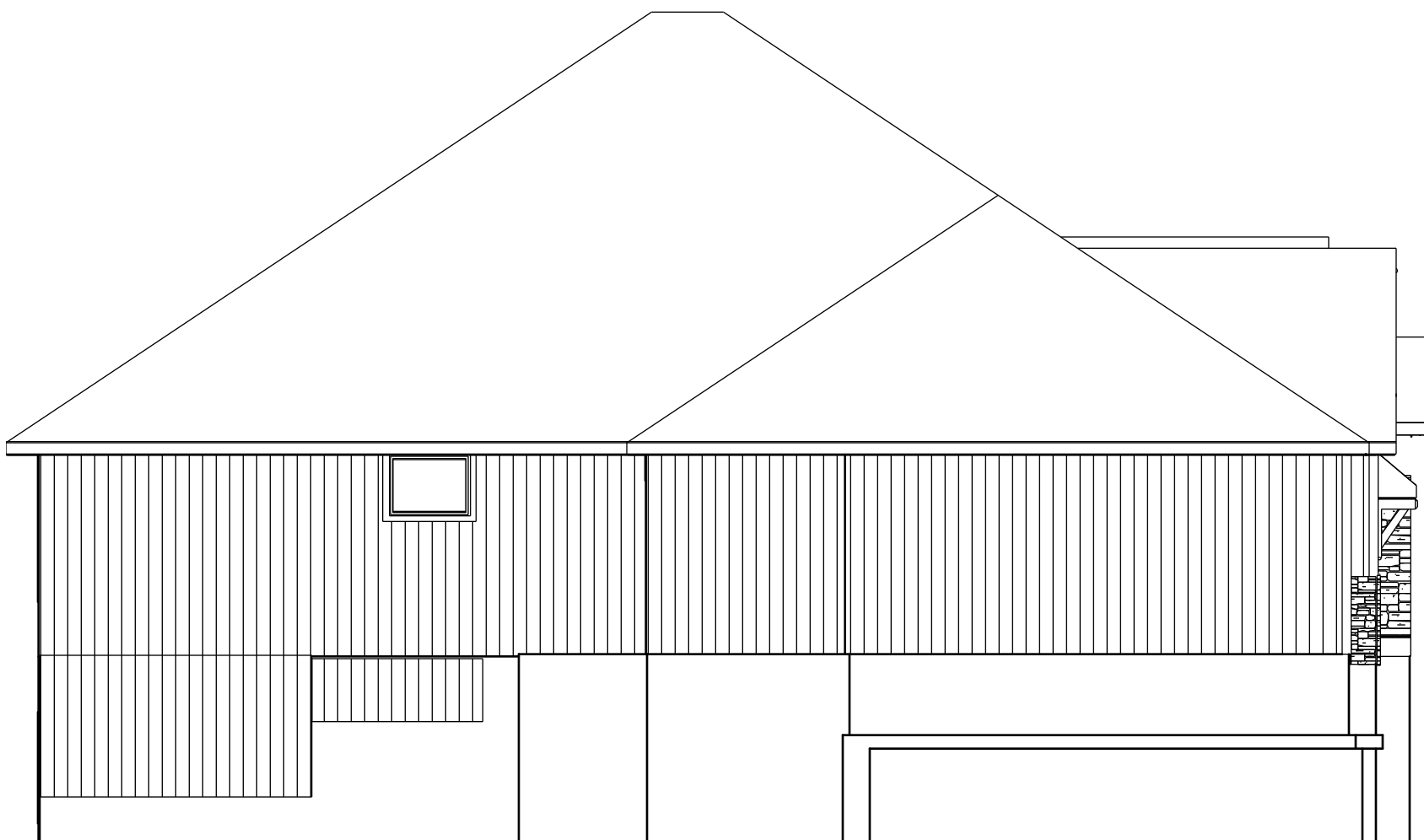
NOTE: STONE TURNS  
CORNERS 16"



GARAGE DOOR HILL  
CREST BEADBOARD

FRONT ELEVATION " C "  
STUCCO AND STONE

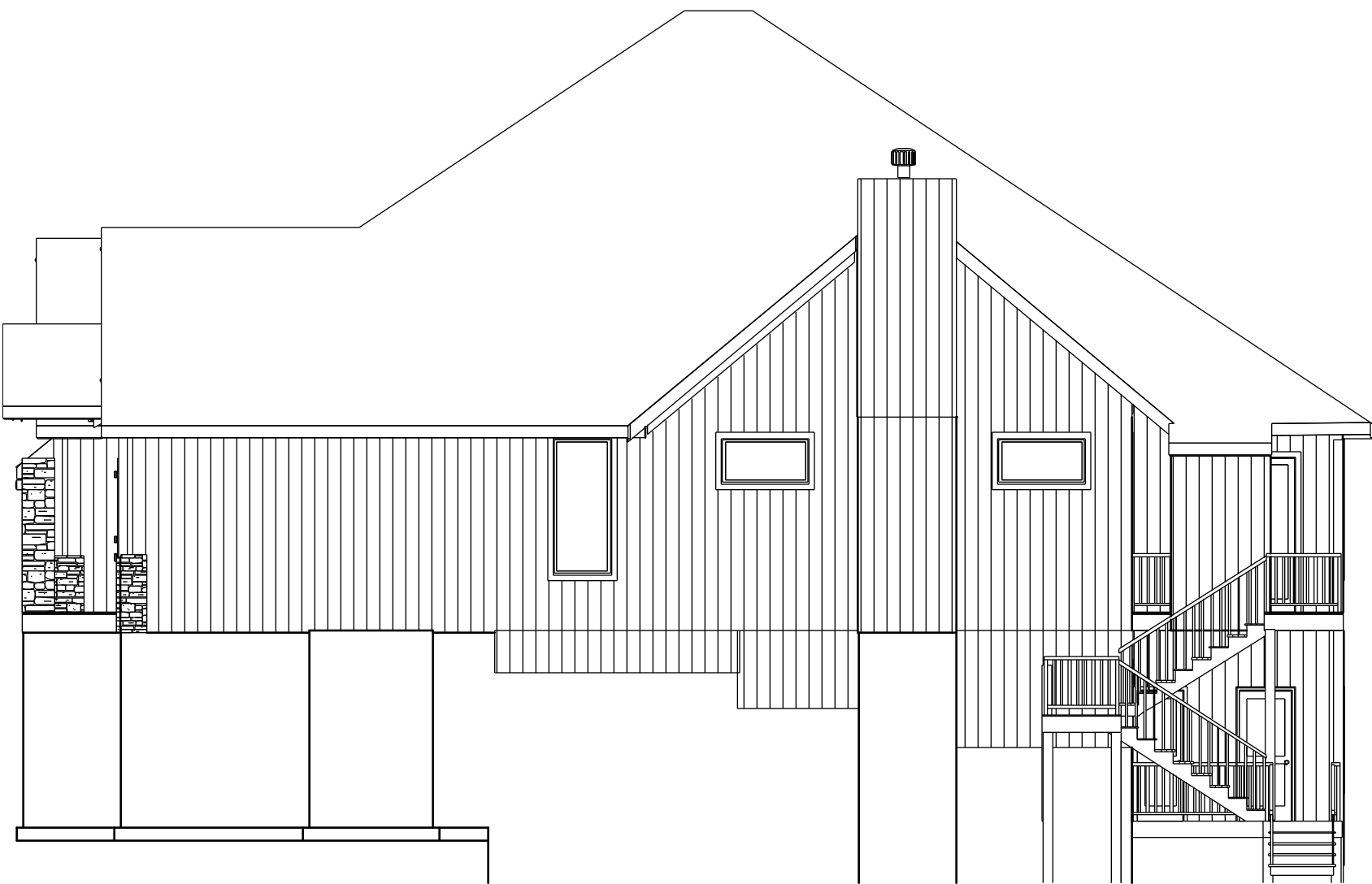
LP TRIM, SOFFIT, AND FASCIA  
TYP.



LEFT ELEVATION  
1/8 = 1-0



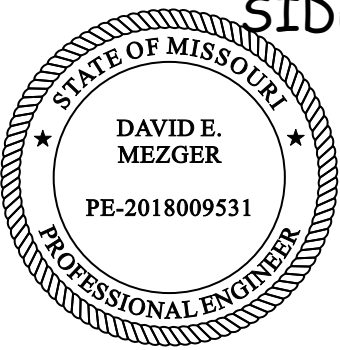
REAR ELEVATION  
1/8 = 1-0



RIGHT ELEVATION  
1/8 = 1-0

LP PANEL SIDING 3  
SIDES

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212 NE Circle Dr.  
Kansas City, MO 64116



LP PANEL SIDING 3  
SIDES

RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/12/2024 10:53:34

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

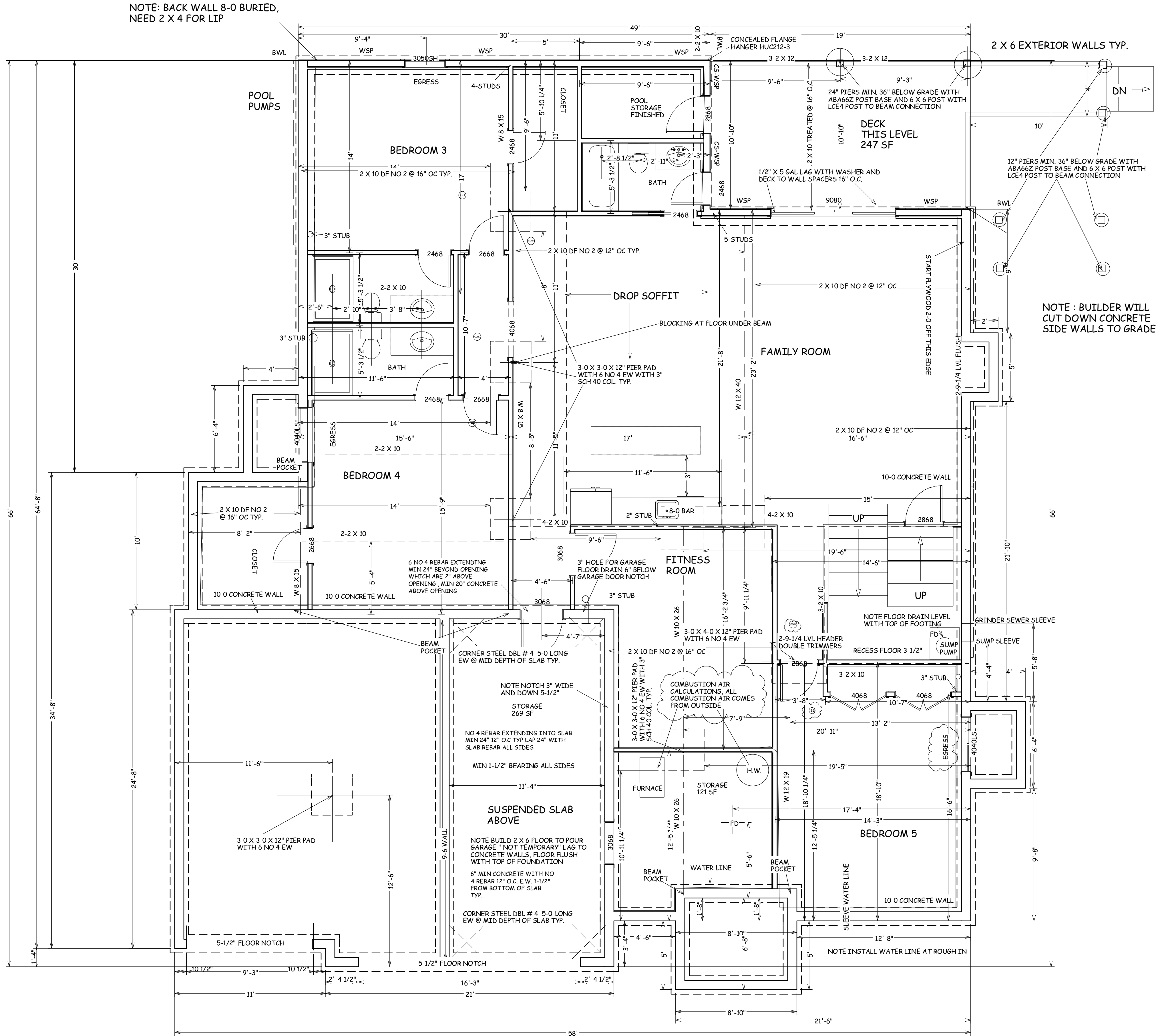
TRUMARK customHOMES  
KYLE VI  
LOT 11 WOODLAND OAKS  
2524 NE WOODLAND OAK CIR.  
LEE SUMMIT MO

SCALE  
1/4" = 1-0

DATE  
11-5-24

PLAN NO.  
4312

SHEET NO.  
1 OF 5



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

TRUMARK customHOMES  
KYLE VI  
LOT 11 WOODLAND OAKS  
2524 NE WOODLAND OAK CIR.  
LEE SUMMIT MO

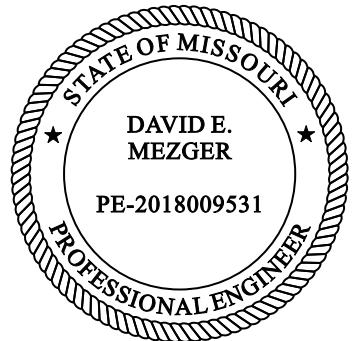
SCALE  
1/4" = 1-0

DATE  
11-5-24

PLAN NO.  
4312

SHEET NO.

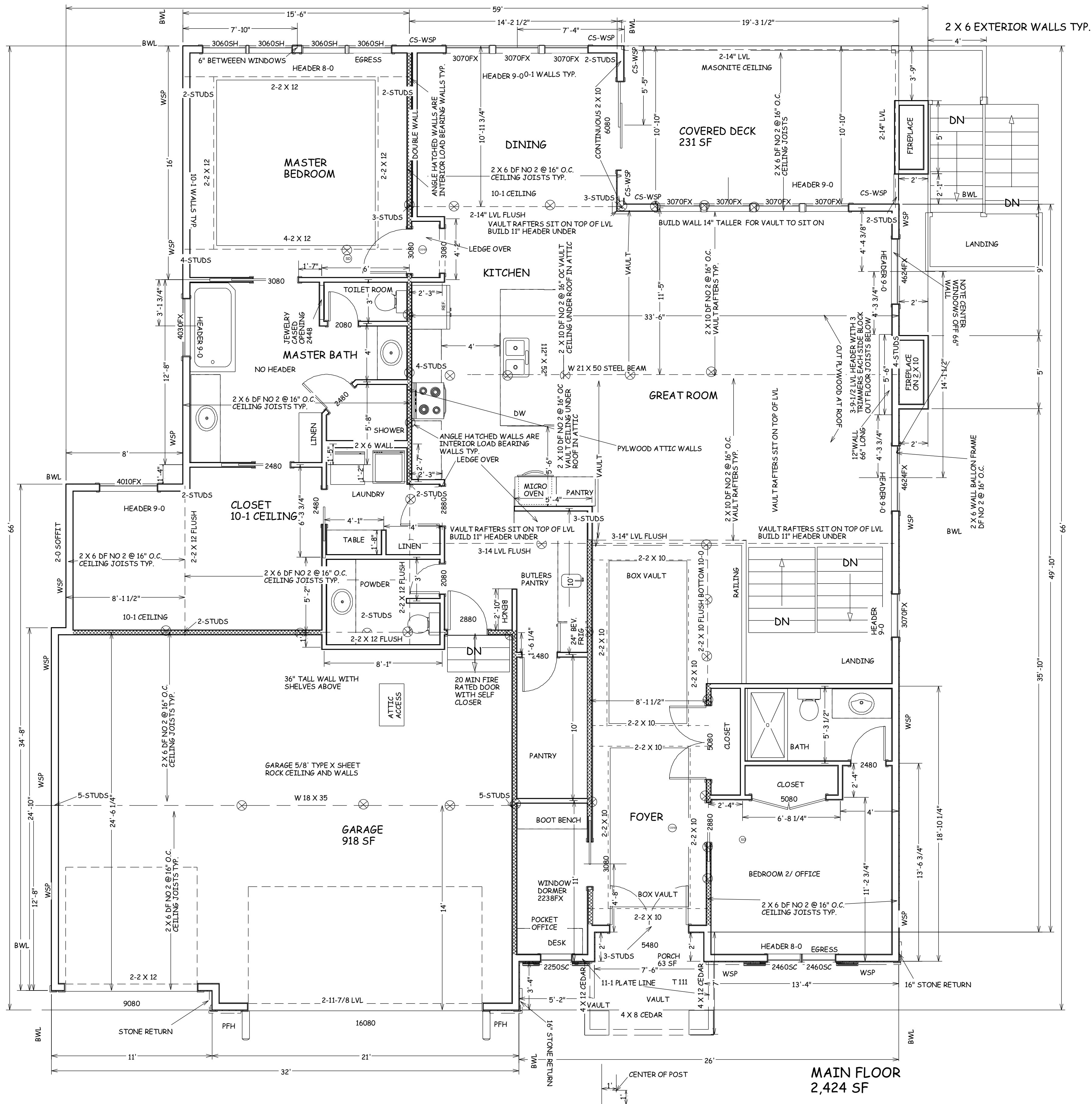
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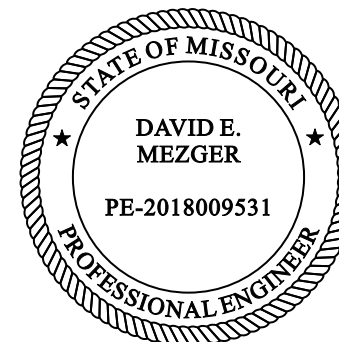
TYPICAL EXTERIOR CORNER FILE CORNER WITH STUDS

LADDER BLOCK WHERE INTERIOR WALLS INTERSECT WITH EXTERIOR WALLS



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TRUMARK customHOMES  
KYLE VI  
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2524 NE WOODLAND OAK CIR.  
LEE SUMMIT MO

SCALE  
1/4" = 1-0

DATE  
11-5-24

PLAN NO.  
4312

SHEET NO.

3 OF 5

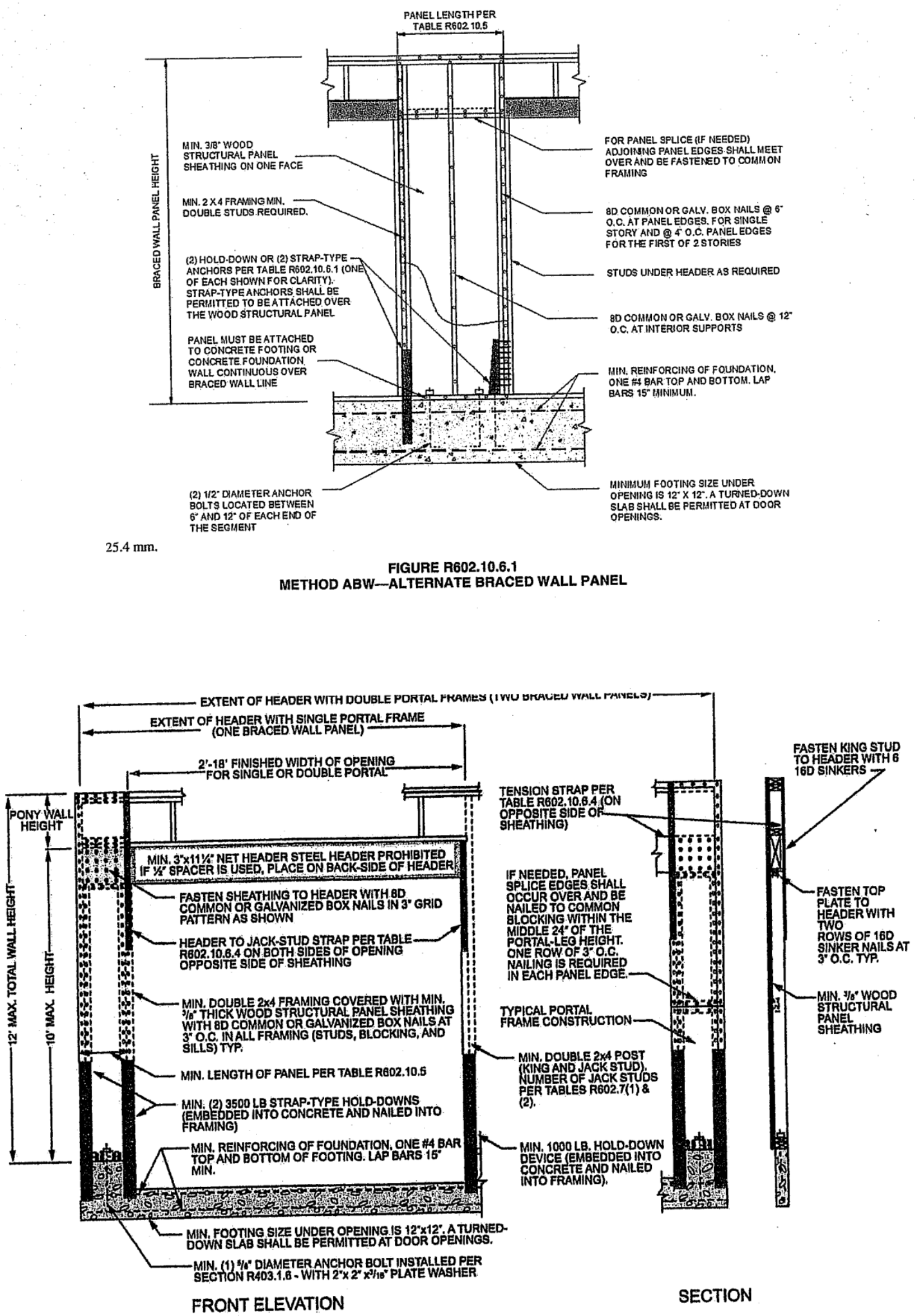
RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/12/2024 10:53:34



4 OF 5  
RELEASE FOR CONSTRUCTION  
AS NOTED ON PLANS REVIEW  
DEVELOPMENT SERVICES  
LEE'S SUMMIT, MISSOURI  
11/12/2024 10:52:25



TABLE R602.10.2(1) BRACING REQUIREMENTS BASED ON WIND SPEED						
EXPOSURE CATEGORY B • 35-FOOT MEAN ROOF HEIGHT • 15-FOOT WALL HEIGHT • 2 BRACED WALL LINES		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE <sup>a</sup>				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing <sup>b</sup> (feet)	Method LIB <sup>c</sup>	Method GB	Methods DWB, WSP, SFB, PBS, PCP, HFS, BV-WSP, ABW, PFB, PFC, CS-SFB	Methods CS-WSP, CS-PF, CS-PP
≤ 115		10	3.5	3.5	2.0	2.0
		20	6.5	6.5	3.5	3.5
		30	9.5	9.5	5.5	4.5
		40	12.5	12.5	7.0	6.0
		50	15.0	15.0	9.0	7.5
		60	18.0	18.0	10.5	9.0
		10	7.0	7.0	4.0	3.5
		20	12.5	12.5	7.5	6.5
		30	18.0	18.0	10.5	9.0
		40	23.5	23.5	13.5	11.5
		50	29.0	29.0	16.5	14.0
		60	34.5	34.5	20.0	17.0
		10	NP	NP	6.0	5.0
		20	NP	18.5	11.0	9.0
		30	NP	27.0	15.5	13.0
		40	NP	35.0	20.0	17.0
		50	NP	43.0	24.5	21.0
		60	NP	51.0	29.0	25.0



4 mm, 1 foot = 304.8 mm.

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

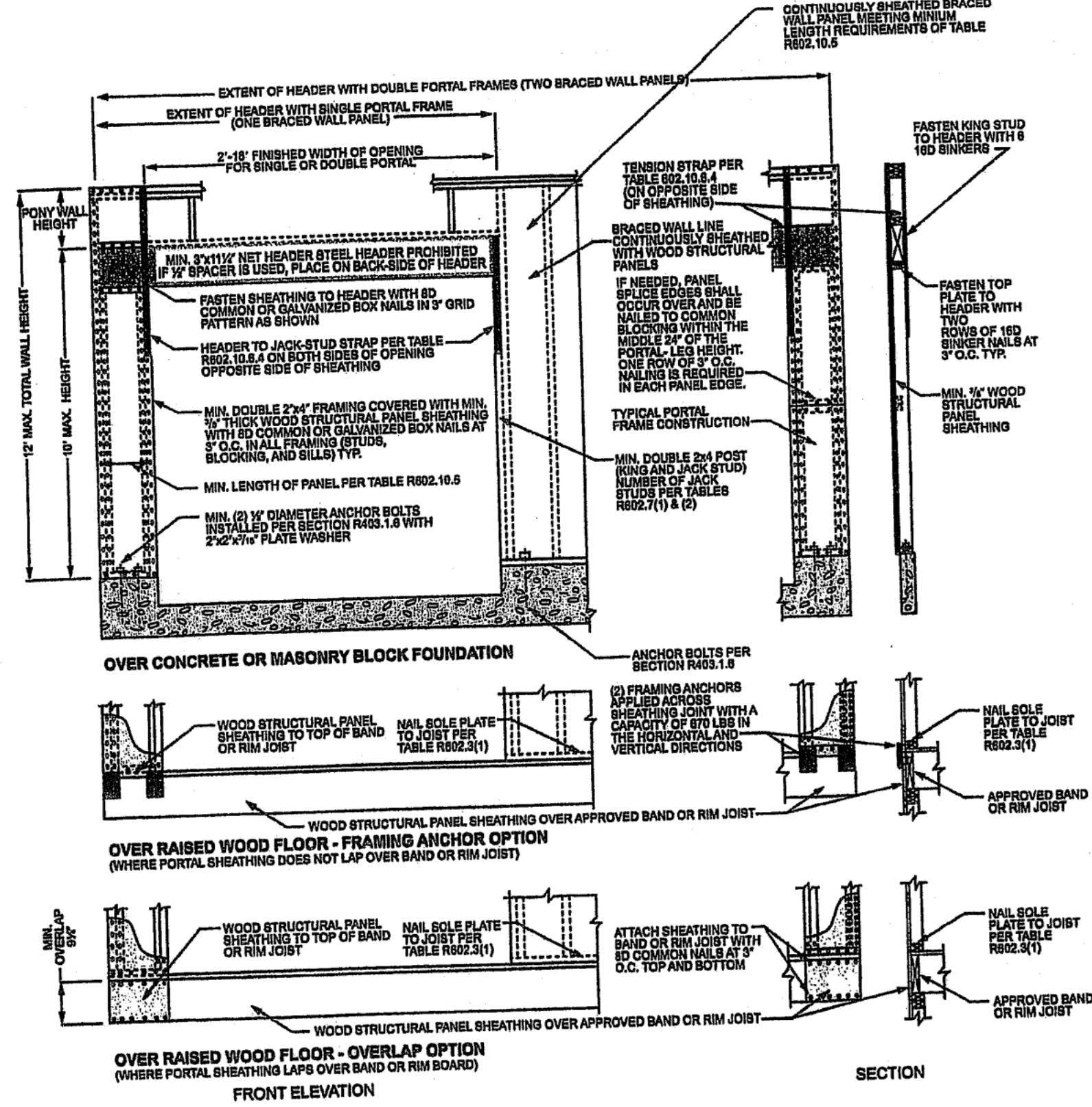
TABLE R602.10.4 BRACING METHODS				
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA <sup>a</sup>	
			Fasteners	Spacing
Intermittent Bracing Methods	LIB Let-in bracing		Wood: 2-8d common nails or 3-8d (2 1/2" long x 0.113" dia.) nails Metal strap: per manufacturer	Wood: per stud and top and bottom plates Metal: per manufacturer
	DWB Diagonal wood boards		2-8d (2 1/2" long x 0.113" dia.) nails or 2 - 1 1/2" long staples	Per stud
	WSP Wood structural panel (See Section R604)		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
	BV-WSP Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)		8d common (2 1/4" x 0.131" dia.) nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts
	SFB Structural fibroboard sheathing		1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) 1 1/2" long x 0.12" dia. (for 3/8" thick sheathing) galvanized roofing nails	3" edges 6" field
	GB Gypsum board		Nails or screws per Table R602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations	For all braced wall panel locations: 7" edges (including top and bottom plates) 7" field
	PBS Particleboard sheathing (See Section R605)		For 1/2" - 5/8" dia. common (2" long x 0.113" dia.) nails For 1/2" - 5/8" dia. 8d common (2 1/2" long x 0.131" dia.) nails	3" edges 6" field
	PCP Portland cement plaster		1 1/2" long, 11 gage, 1/8" dia. head nails or 1/2" long, 16 gage staples	6" o.c. on all framing members
	HFS Hardboard panel siding		0.092" dia., 0.225" dia. head nails with length to accommodate 1 1/2" penetration into studs	4" edges 8" field
	ABW Alternate braced wall		See Section R602.10.6.1	See Section R602.10.6.1

TABLE R602.10.5 MINIMUM LENGTH OF BRACED WALL PANELS						
METHOD (See Table R602.10.4)	MINIMUM LENGTH <sup>a</sup> (inches)	Wall Height				
		8 feet	9 feet	10 feet	11 feet	12 feet
DWB, WSP, SFB, PBS, PCP, HFS, BV-WSP	LIB	48	48	48	53	58
GB	Actual <sup>b</sup>	48	48	48	53	58
		55	62	69	NP	NP
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42
	SDC D <sub>s</sub> , D <sub>i</sub> and D <sub>o</sub> , ultimate design wind speed < 140 mph	32	32	34	NP	NP
CS-G	Actual <sup>b</sup>	24	27	30	33	36
CS-WSP, CS-SFB	Adjacent clear opening height (inches)					
	≤ 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	—	—	—	—	65
	144	—	—	—	—	72
METHOD (See Table R602.10.4)	Portal header height	8 feet	9 feet	10 feet	11 feet	12 feet
		16	16	16	Note c	Note c
		24	24	24	Note c	Note c
		24	27	30	Note d	Note d
PFH	Supporting roof only	16	16	16	Note c	Note c
PFH	Supporting one story and roof	24	24	24	Note c	Note c
PFH	Supporting one story and roof	24	27	30	Note d	Note d
CS-PF	SDC A, B and C	16	18	20	Note e	Note e
	SDC D <sub>s</sub> , D <sub>i</sub> and D <sub>o</sub>	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.  
a. Linear interpolation shall be permitted.  
b. Use the actual length when it is greater than or equal to the minimum length.  
c. Maximum header height for PFH 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.  
d. Maximum header height for PFH 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.  
e. Maximum header height for CS-PF 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.

TABLE R602.10.4—continued BRACING METHODS				
METHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	CONNECTION CRITERIA <sup>a</sup>	
			Fasteners	Spacing
Intermittent Bracing Methods	PFH Portal frame with hold-downs		See Section R602.10.6.2	See Section R602.10.6.2
	PFG Portal frame at garage		See Section R602.10.6.3	See Section R602.10.6.3
Continuous Sheathing Methods	CS-WSP Continuously sheathed wood structural panel		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-G <sup>a</sup> Continuously sheathed wood structural panel adjacent to garage openings		See Method CS-WSP	See Method CS-WSP
	CS-PF Continuously sheathed portal frame		See Section R602.10.6.4	See Section R602.10.6.4
	CS-SFB <sup>b</sup> Continuously sheathed structural fibroboard		1 1/2" long x 0.12" dia. (for 1/2" thick sheathing) 1 1/2" long x 0.12" dia. (for 3/8" 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/m<sup>2</sup>, 1 mile per hour = 0.447 m/s.  
a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D<sub>s</sub>, D<sub>i</sub> and D<sub>o</sub>.  
b. Applies to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall of the garage. In Seismic Design Categories D<sub>s</sub>, D<sub>i</sub> and D<sub>o</sub> roof covering dead load shall not exceed 3 psf.  
c. Garage openings adjacent to a Method CS-G panel shall be provided with a header in accordance with Table R602.7(1). A full-height clear opening shall not be permitted adjacent to a Method CS-G panel.  
d. Method CS-SFB does not apply in Seismic Design Categories D<sub>s</sub>, D<sub>i</sub> and D<sub>o</sub>.  
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D<sub>s</sub> through D<sub>o</sub> only.



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.4  
METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

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

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