



Review and approval STRUCTURAL ONLY

Kansas City, MO 67116

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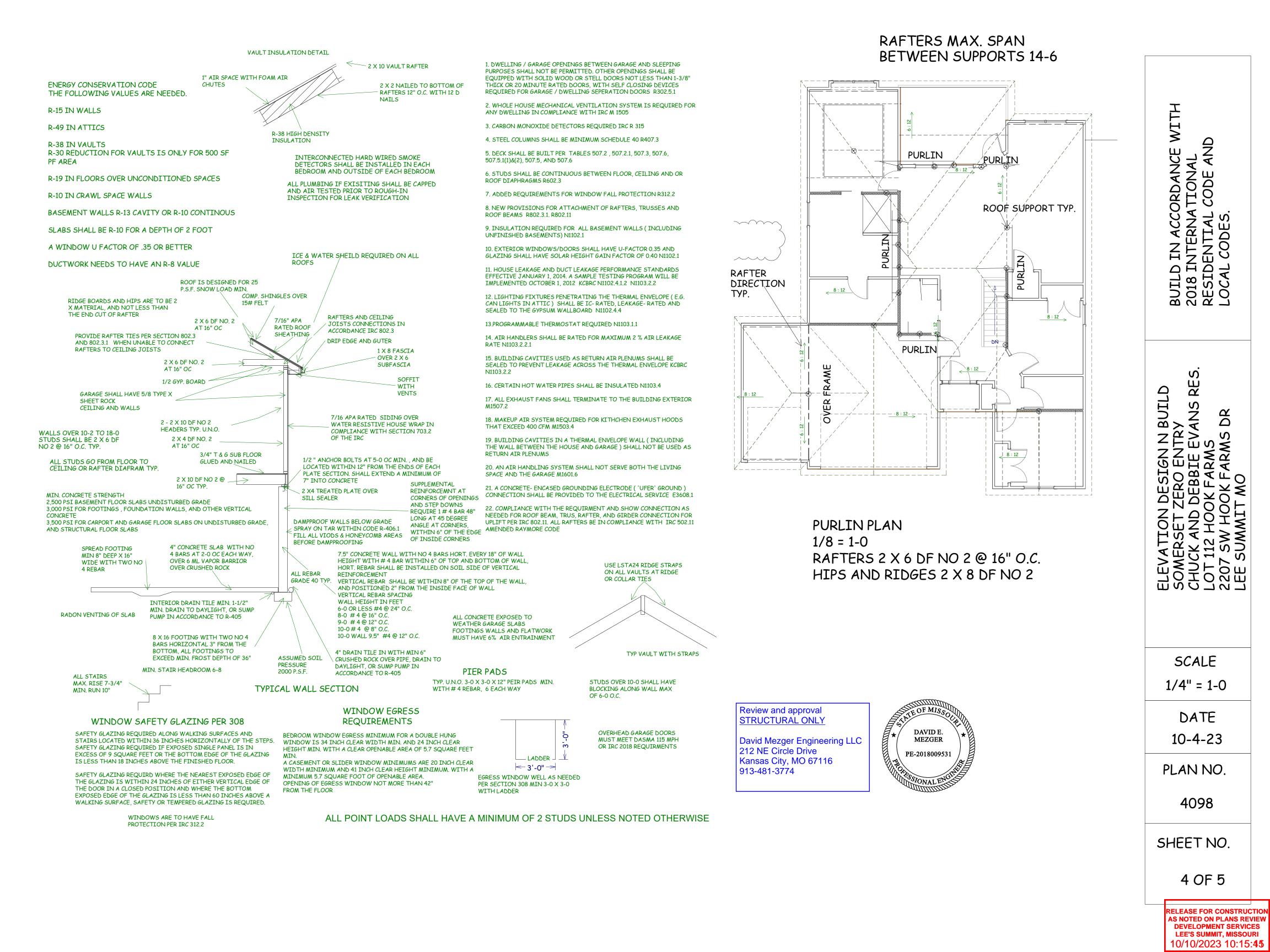
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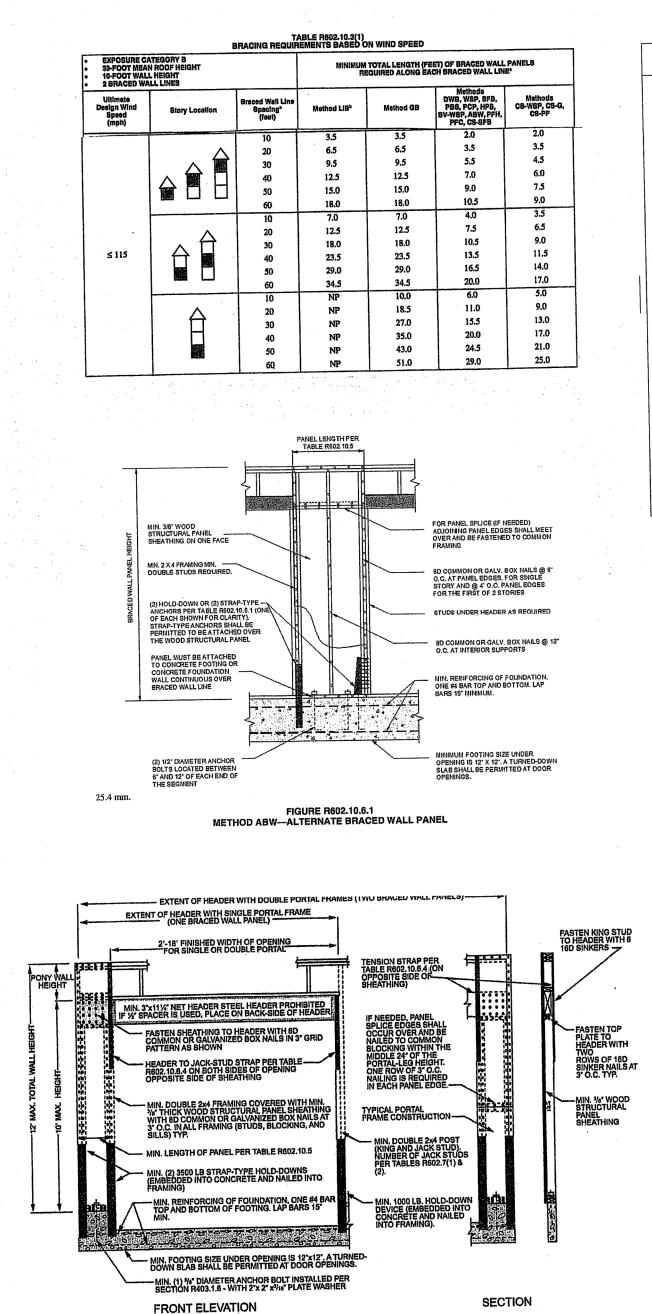
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CONNECTION CRITERIA FIGURE METHODS, MATERIAL INIMUM THICKNESS Spacing Fasteners Wood: per stud and Wood: 2-8d common nails 1×4 wood or op and bottom plate oved metal strap 3-8d (21/2" long x 0.113" dia.) nails LIB 45° to 60° angles fo Metal Let-in-bracing maximum 16" Metal strap: per manufacturer per manufacture stud spacing 2-8d (2¹/₂" long × 0.113" dia.) nails " (1" nominal) for DWB Per stud maximum 24" Diagonal wood boards 2 - 13/4" long staples stud spacing Exterior sheathing pe Table R602.3(3) 6" edges 12" field WSP Wood ³/₈" Interior sheathing per Table R602.3(1) or R602.3(2) structural panel (See Section R604 Varies by fastene BV-WSP " at panel edges 12" at intermediate supports 4" at braced wall panel end posts Wood structura 8d common $(2^{1}/_{2}'' \times 0.131)$ nails panels with stone or masonry vence ⁷/16″ See Figure R602.10.6.5 (See Section R602.10.6.5) SFB ¹/₂" or ²⁵/₃₂" for maximum 16" Structural fiberboard stud spacing sheathing
 Nails or screws per Table R602.3(1) for exterior locations
 For all braced wall panel locations: 7" edges (including top and bottom plates) 7 field
 GB ۲/₂" Gypsum board For 3/8", 6d common PBS ³/₈" or ¹/₂" for maximum 16" stud spacing (2" long × 0.113" dia.) nails For ¹/₂", 8d common (2¹/₂" long × 0.131" dia.) nails Particleboard sheathing (See Section R60 "long, 11 gage, 7/16" dia. head nails See Section R703.7 fc 6" o.c. on all framing PCP maximum 16" Portland 1/8" long, 16 gage staples cement plaste stud spacing 0.092" dia., 0.225" dia. head nails with length to accommodate 11/2" HPS 16" for maximum 16 Hardboard stud spacing penetration into studs panel siding ABW See Section R602.10.6.1 Alternate braced wall ³/₈"

TABLE R602.10.4 BRACING METHODS

	MINIMUM LENGTH OF BRACED WALL PANELS MINIMUM LENGTH (Inches)						CONTRIE
METHOD (See Table R602.10.4)		Wali Height					
	F	8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	
GB		48	48	48	53	58	Double Single sid
LIB		55	62	69	NP	NP	1
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	
	$\overline{SDC D_0}$, D_1 and D_2 , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
CS-G		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	4
	76	30	29	30	33	36	4
	80	32	30	30	33	36	
	84	35	32	32	33	36	4
	88	38	35	33	33	36	4
	92	43	37	35	35	36	-
	96	48	41	38	36	30	4
	100		44	40	40	39	4
	104		49	43	40	41	-
	108		54	46	43	41	-
	112		ļ	50	45	45	- .
	116			55	48	45	-
	120		<u> </u>	60	52	51	-
	124			- <u> </u>	61	54	
	128	<u> </u>	+=-		66	58	
	132				00	62	
	136			+=	+	66	
	140		<u> </u>	<u> </u>		72	
		<u> </u>	P	ortal header	height	J	
METHOD (See Table R602,10.4)		8 feet	9 feet	10 feet	11 feet	12 feet	
PFH	Supporting roof only	16	16	16	Note c	Note c	;
	Supporting one story and root	24	24	24	Note c	Note o	;]
	PFG	24	27	30	Note d	Note o	1
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	3
	SDC D _n , D ₁ and D ₂	16	18	20	Note e	Note e	Э

NP = Not Permitted. a. Linear interpolation shall be permitted.

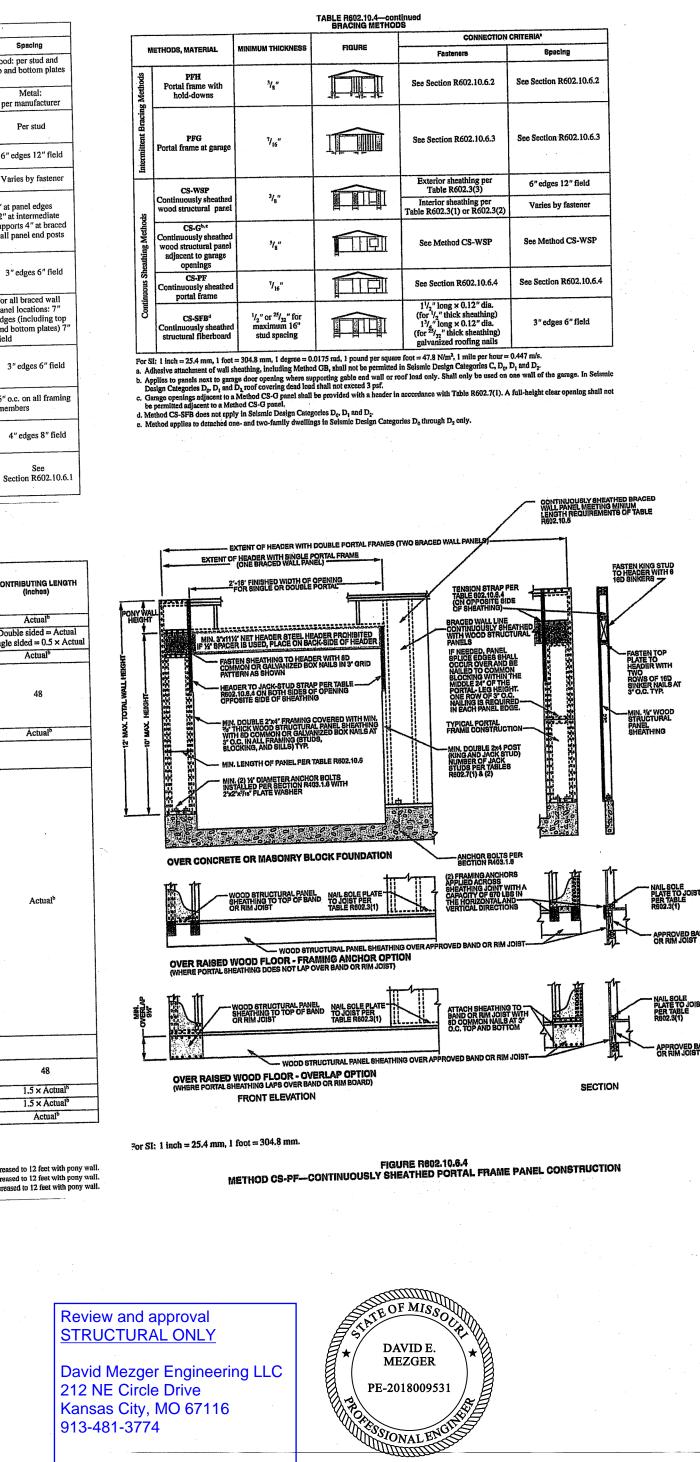
a. Linear interpolation shall be permuted.
b. Use the actual length where it is greater than or equal to the minimum length.
c. Maximum header height for PHH is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
d. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.3, 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 R602.10.6.4, but wall height shall be permitted to be increased to 12 feet with pony wall.

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

4 mm, 1 foot = 304.8 mm.

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



ACCORDANCE WITH AND BUILD IN ACCORDANCE 2018 INTERNATIONAL RESIDENTIAL CODE AN LOCAL CODES. S Ш BUILD Υ UTRY EVANS Υ \square Ζ S ELEVATION DESIGN N SOMERSET ZERO ENTR CHUCK AND DEBBIE EV LOT 112 HOOK FARMS 2207 SW HOOK FARMS LEE SUMMIT MO SCALE 1/4" = 1-0 DATE 10-4-23 PLAN NO. 4098 SHEET NO. 5 OF 5 RELEASE FOR CONSTRUCTION **AS NOTED ON PLANS REVIEW** DEVELOPMENT SERVICES

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