

	B	T/ RACING REQUIR	ABLE R602.10.3(1) EMENTS BASED O	N WIND SPEED			
EXPOSURE CA 3D-FOOT MEAN 10-FOOT WALL 2 BRACED WAL	ROOF HEIGHT		MINIMUM TOTAL LENGTH (FEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE'				
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing® (feet)	Method LiB <sup>b</sup>	Method GB	Methods DWB, W8P, SFB, PBS, PCP, HPS, BV-W8P, ABW, PFH, PFC, CS-SFB	Methods CS-WSP, CS-G, CS-PF	_
		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	
≤ 115		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	
1.4		10	NP	10.0	6.0	5.0	
	A	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	1

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	ENGTH PER	

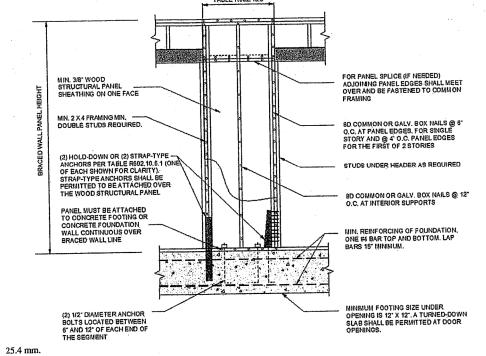
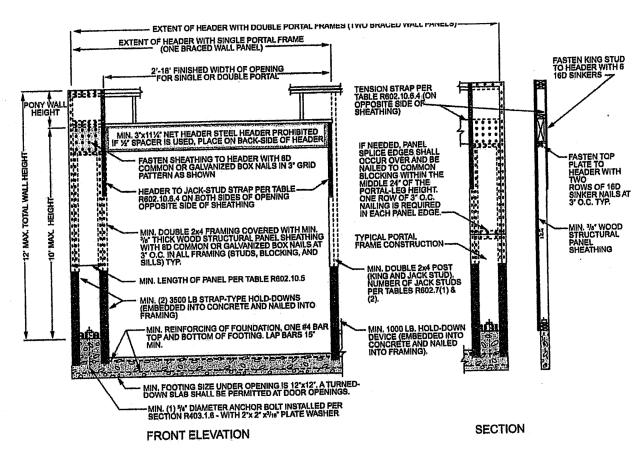


FIGURE R602.10.6.1 METHOD ABW—ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

			TABLE R602.10 BRACING METHO		
	T		T	CONNECTION CRITERI	A" !
METHODS, MATERIAL		MINIMUM THICKNESS	FIGURE	Fasteners	Sp
LIB		$1 \times 4$ wood or approved metal straps	RITURNUM		Wood: pe top and be
	Let-in-bracing	at 45° to 60° angles for maximum 16" stud spacing		Metal strap: per manufacturer	N per ma
	DWB Diagonal wood boards	<sup>3</sup> / <sub>4</sub> " (1" nominal) for maximum 24" stud spacing		2-8d $(2^{1}/_{2}^{n} \log \times 0.113^{n} \text{ dia.})$ nails or 2 - $1^{3}/_{4}^{n} \log \text{ staples}$	Pe
	WSP Wood		TERMINI	Exterior sheathing per Table R602.3(3)	6" edg
	structural panel (See Section R604)	3/ <sub>8</sub> "		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies
sthods	BV-WSP <sup>*</sup> Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	7/ <sub>16</sub> ″	See Figure R602.10.6.5	8d common (2 <sup>1</sup> / <sub>2</sub> " × 0.131) nails	4" at pan 12" at int supports wall pane
Intermittent Bracing Methods	SFB Structural fiberboard sheathing	<sup>1</sup> / <sub>2</sub> " or <sup>25</sup> / <sub>32</sub> " for maximum 16" stud spacing		$1^{1}/_{2}$ " long × 0.12" dia. (for $1^{1}/_{2}$ " thick sheathing) $1^{3}/_{4}$ " long × 0.12" dia. (for $2^{5}/_{32}$ " thick sheathing) galvanized roofing nails	3" ed
mittent				Nails or screws per Table R602.3(1) for exterior locations	For all b panel loo edges (in
Inter	GB Gypsum board	1/2"		Nails or screws per Table R702.3.5 for interior locations	and bott field
	PBS Particleboard sheathing (See Section R605)	<sup>3</sup> / <sub>8</sub> " or <sup>1</sup> / <sub>2</sub> " for maximum 16" stud spacing		For ${}^{3}/{}_{8}$ ", 6d common (2" long × 0.113" dia.) nails For ${}^{1}/{}_{2}$ ", 8d common (2' ${}^{2}/{}_{2}$ " long × 0.131" dia.) nails	3" ed
	PCP Portiand cement plaster	See Section R703.7 for maximum 16" stud spacing		$1^{1}/_{2}^{"}$ long, 11 gage, $7^{'}/_{16}^{"}$ dia. head nails or $7^{'}/_{8}^{"}$ long, 16 gage staples	6" o.c. o member
	HPS Hardboard panel siding	<sup>7</sup> / <sub>16</sub> " for maximum 16' stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate $1\frac{1}{2}$ " penetration into studs	4" e
	ABW Alternate braced wall	<sup>3</sup> / <sub>8</sub> "		See Section R602.10.6.1	Sectio

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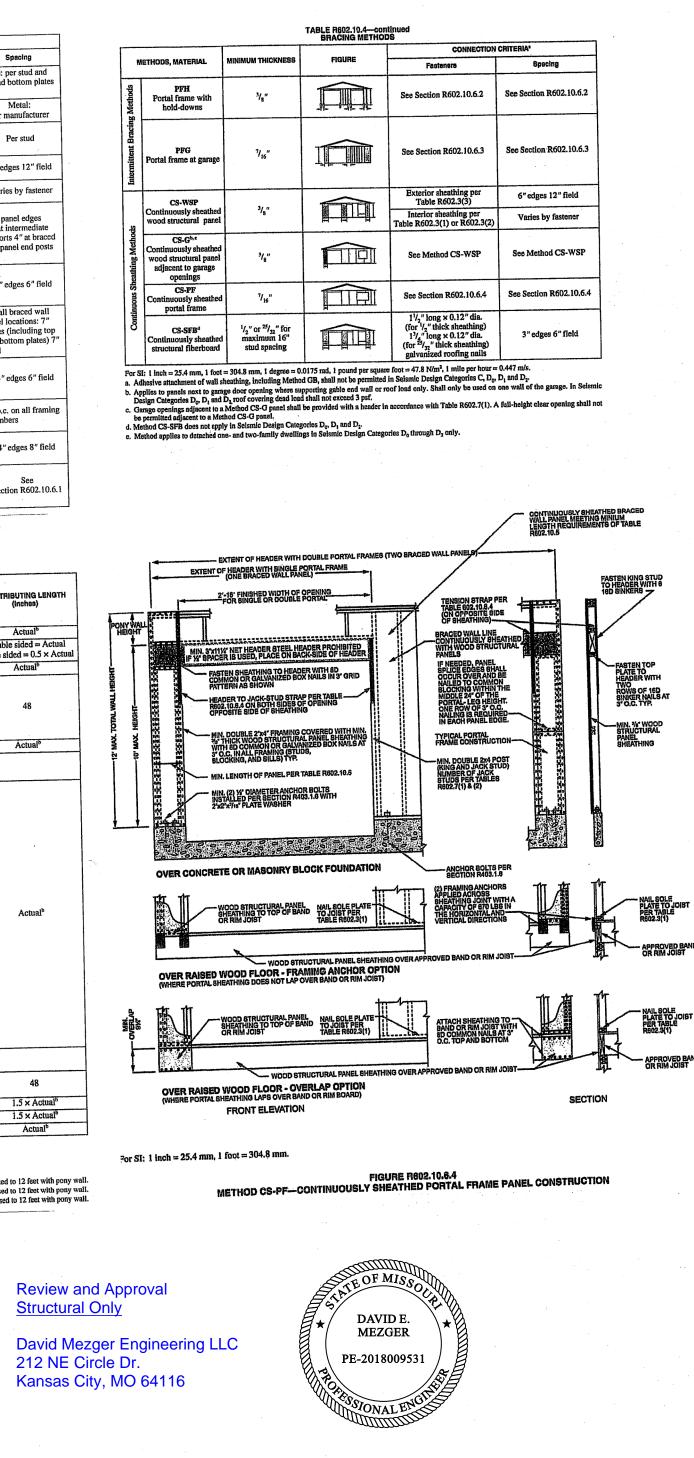
	MINIMUM LEP	TABLE	R602.10.5 BRACED V	NALL PAN	ELS		
3	MINIMUM LENGTH* (inches)					CONTR	
METHOD (See Table R602.10.4)			Wali Height				
•	8 feet	9 feet	10 feet	11 feet	12 feet		
DWB WSP. SFB. P	BS, PCP, HPS, BV-WSP	48	48	48	53	58	
	GB	48	48	48	53		Doub Single s
	LIB	55	62	69	NP	NP	
1	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	
ABW	$SDC D_0$ , $D_1$ and $D_2$ , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
	CS-G	24	27	30	33	36	
	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 38	
CS-WSP, CS-SFB	100	-	44	40	38		ł
	104		49	43	40	39 41	4
	108		54	46	43		Į
	112			50	45	43	4.
	116	-		55	48	45	1
	120			60	52	48	4
	124				56	51	-
	128	<u>                                      </u>		1	61	58	4
	132				66	62	4
	136					66	4
	140				Ļ	72	-
	144			ortal header	height	12	
METHOD (See Table R602,10.4)		8 feet	9 feet	10 feet	11 feet	12 feet	
	Supporting roof only	16	16	16	Note c	Note c	
PFH	Supporting one story and roo	f 24	24	24	Note c	Note c	
	PFG	24	27	30	Note d	Note d	
	SDC A, B and C	16	18	20	Note e	Note e	
CS-PF	SDC D <sub>0</sub> , D <sub>1</sub> and D <sub>2</sub>	16	18	20	Note e	Note e	
		0.447 m/n				-	

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

NP = Not Permitted. a. Linear interpolation shall be permitted. b. Line the sectoral learch where it is creater than or equal to the mini

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 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 PFG 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



BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL RESIDENTIAL CODE AND LOCAL CODES.
BEHOME LLC CARTER PLAN LOT 28 HOOK FARMS 2035 SW HOOK FARM DRIVE LEE SUMMIT MO
SCALE 1/4" = 1-0
DATE
6-21-22
PLAN NO.
3675
SHEET NO.
6 OF 6