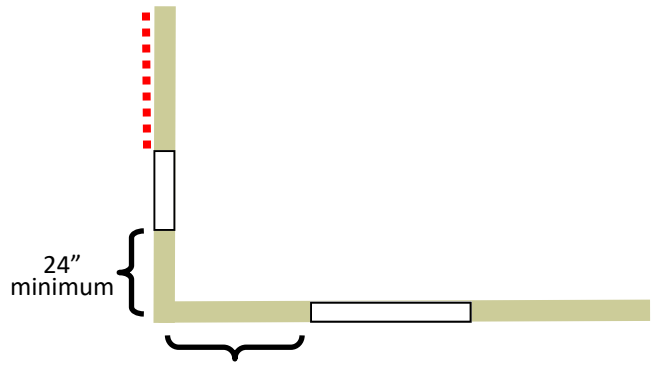
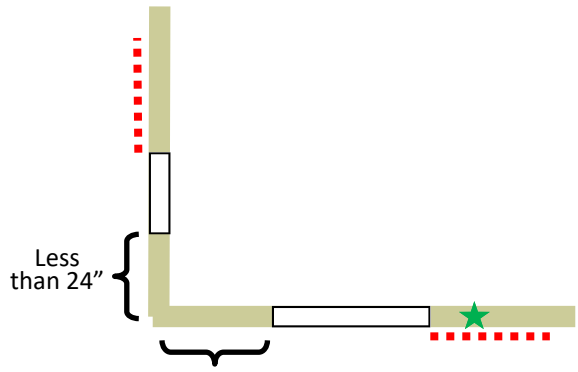
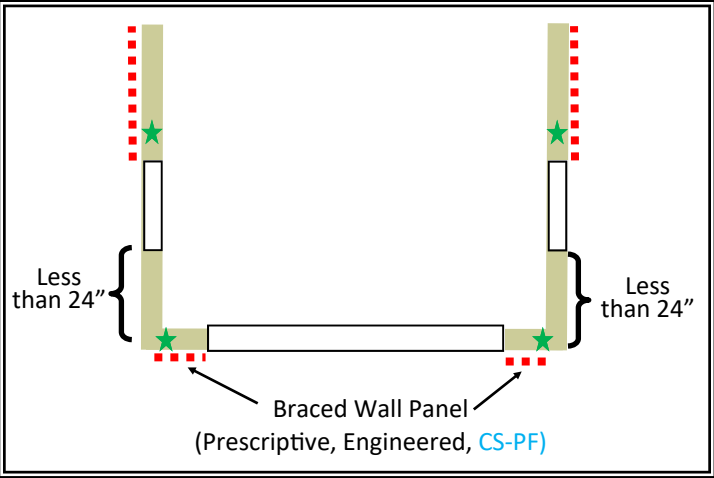
City of Auburn
Home of Auburn University

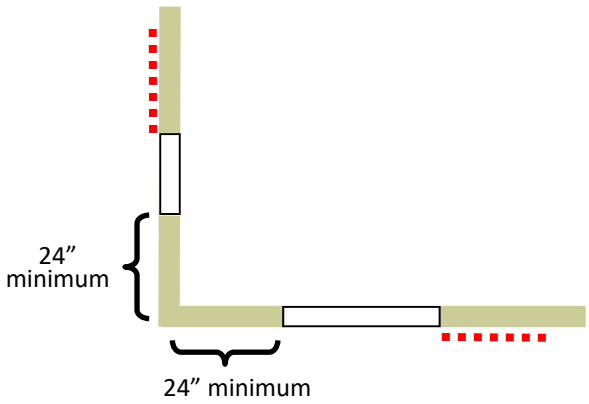
Braced Wall Panels

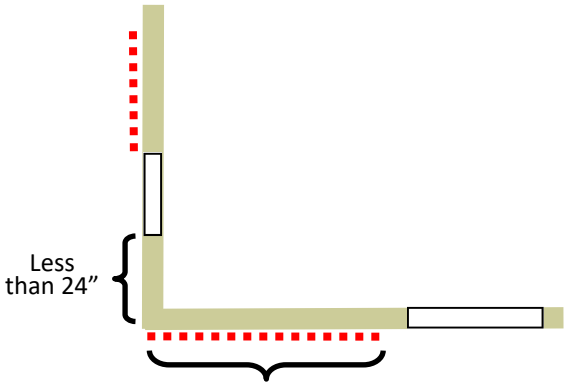
Return and Hold Down Configurations

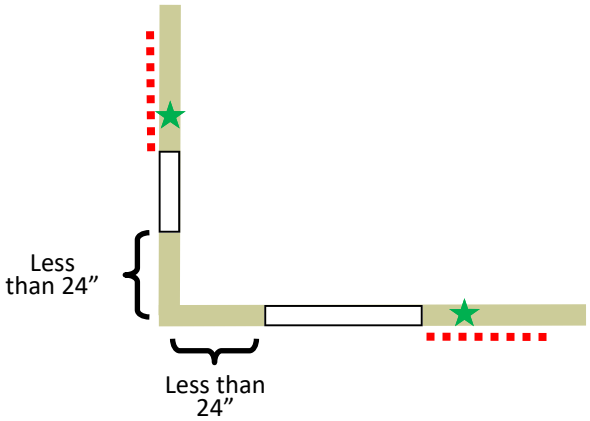












★ Hold Down Device Braced Wall Panel **CS PF** Continuous Sheathed Portal Frame Opening

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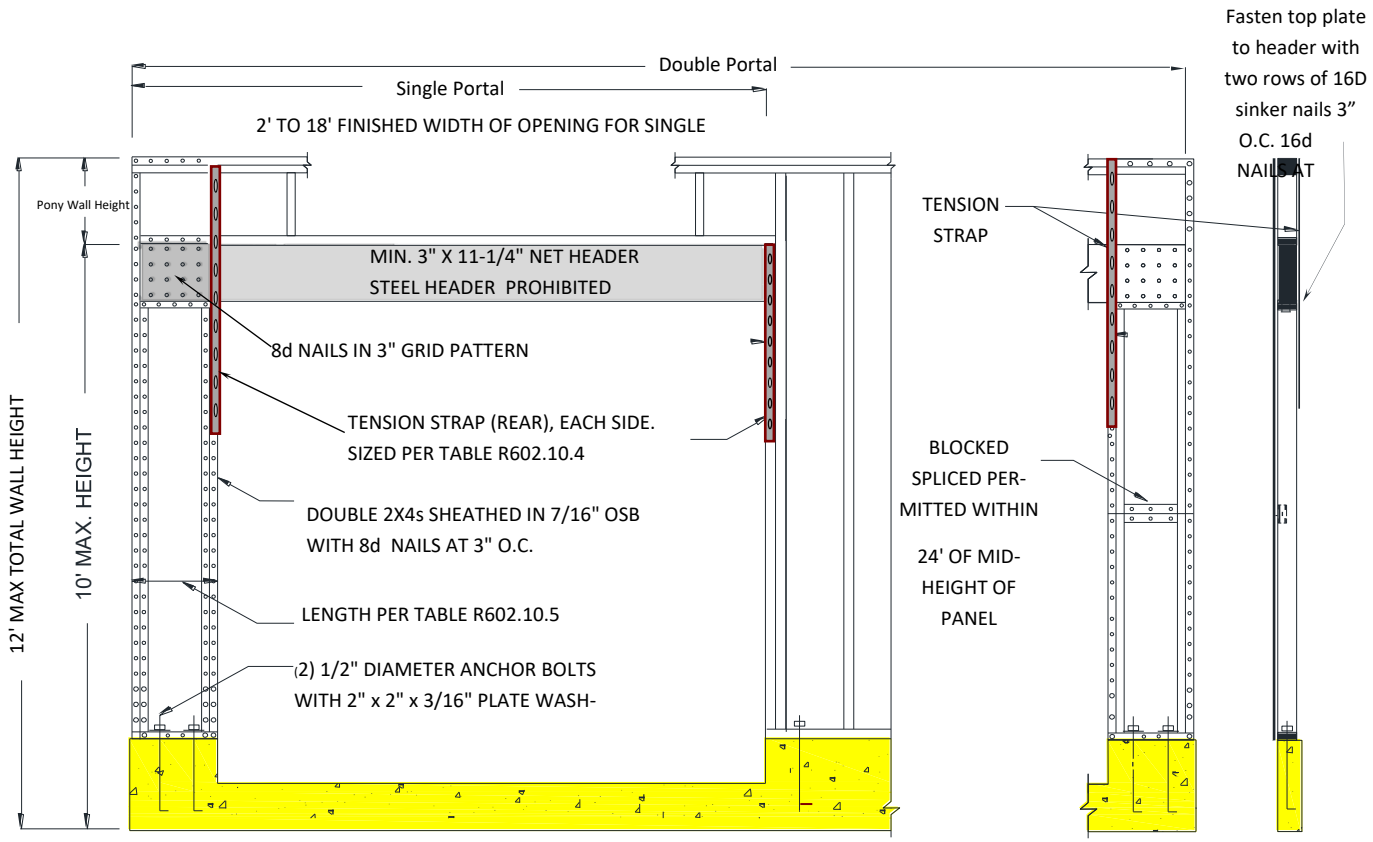
Braced Wall Panels

Continuous Sheathed Panel Lengths

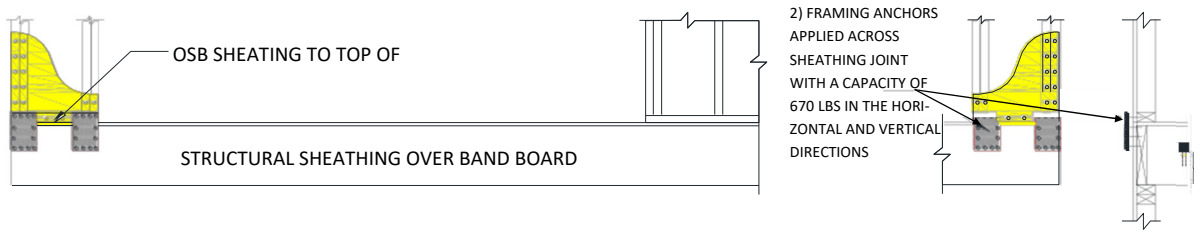
METHOD (See Table R602.10.4)		MINIMUM LENGTH[a] (inches) Wall Height					CONTRIBUTING LENGTH (inches)
		8 feet	9 feet	10 feet	11 feet	12 feet	
DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP		48	48	48	53	58	Actual[b]
GB		48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actual
LIB		55	62	69	NP	NP	Actual[b]
ABW	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	48
	SDC D_0, D_1 and D_2, 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)						
	≤ 64	24	27	30	33	36	Actual[b]
	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 c	Note c	1.5 × Actual[b]
CS-PF	SDC A, B and C	16	18	20	Note c	Note c	1.5 × Actual[b]
	SDC D_0, D_1 and D_2	16	18	20	Note c	Note c	Actual[b]

CS-WP Continuous wood structural panel **CS-SFB** Continuous structural fiberboard
CS-PF Continuous sheathing structural portal frame
CS-G Continuous sheathing structural panel adjacent to garage openings and supporting roof only

A. linear interpolation shall be permitted
B. Use the actual length where it is greater than or equal to the minimum length
C. Maximum opening 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' with pony wall.

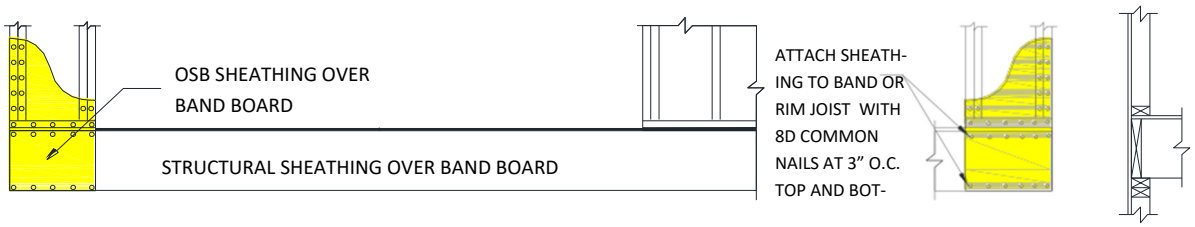


OVER CONCRETE OR MASONRY BLOCK FOUNDATION



OVER CONCRETE OR MASONRY BLOCK FOUNDATION

(WHEN PORTAL SHEATHING DOES NOT LAP OVER BAND OR RIM JOIST)



OVER RAISED FLOOR—OVERLAP OPTION

(WHEN PORTAL SHEATHING LASP OVER BAND OR RIM BOARD)

FRONT ELEVATION **SECTION**

FIGURE 4