

Erratum (November 25, 2019)

FEMA P-1100 Report, *Vulnerability-Based Seismic Assessment and Retrofit of One- and Two-Family Dwellings*, October 2019 edition

After the FEMA P-1100 Report was printed, errors were discovered in tables in Figures 5.4-9, 5.4-11, and 5.4-15. The corrected tables are presented below.

EARTHQUAKE RETROFIT SCHEDULE ($S_{DS} = 1.0$) Two Sections of Wall at Front of Garage - Only																	
① WEIGHT CLASSIFICATION	② Floor Area in Square Feet	③ Mark row that applies <input checked="" type="checkbox"/>	④ MINIMUM TOTAL REQUIRED LENGTH OF EACH SECTION OF WOOD STRUCTURAL PANEL SHEAR WALLS For a Two Section of Wall Option					⑤ FOUNDATION SILL ANCHORAGE					⑥ FLOOR FRAMING TO WALL CONNECTION				
			Length per Section for a Two Section Option							Min. No. of Foundation Connectors or Anchors at Each Section of Wall					Min. No. of Connectors at Each Section of Wall		
			8d at 6" O.C.			8d at 2" O.C.				Type "A"	Type "B"	Type "C"	1/2"Ø Bolt	5/8"Ø Bolt	Type "D"	Type "E" or "F"	Type "G"
			Wall Length	Tie- down	New Fdn Req'd ?	Wall Length	Tie- down	New Fdn Req'd ?									
Light Construction	800		3'-6"	TD1	No	2'-8"	TD2	Yes	1	2	2	2	1	3	3	3	
	1000		4'-0"	TD1	No	2'-8"	TD3	Yes	1	2	3	2	2	3	3	4	
	1200		4'-6"	TD1	No	2'-8"	TD4	Yes	2	2	3	3	2	4	4	5	
	1500		6'-0"	TD1	No	3'-0"	TD4	Yes	2	3	4	3	2	5	4	6	
	2000		8'-0"	TD1	No	3'-6"	TD4	Yes	2	4	5	4	3	6	6	7	
Medium Construction	800		4'-0"	TD2	Yes	2'-8"	TD4	Yes	2	2	3	2	2	3	3	4	
	1000		5'-0"	TD1	No	2'-8"	TD4	Yes	2	3	3	3	2	4	4	5	
	1200		6'-0"	TD1	No	3'-0"	TD4	Yes	2	3	4	3	2	5	5	6	
	1500		7'-6"	TD1	No	3'-6"	TD5	Yes	2	4	5	4	3	6	6	7	
	2000		10'-0"	TD1	No	4'-0"	TD5	Yes	3	5	6	5	4	7	7	9	
Heavy Construction	800		5'-6"	TD1	No	2'-8"	TD4	Yes	2	3	3	3	2	4	4	5	
	1000		6'-6"	TD1	No	3'-0"	TD4	Yes	2	3	4	3	2	5	5	6	
	1200		8'-0"	TD1	No	3'-6"	TD4	Yes	3	4	5	4	3	6	6	7	
	1500		10'-0"	None	No	4'-0"	TD4	Yes	3	5	6	5	3	7	7	9	
	2000		13'-0"	None	No	5'-6"	TD4	Yes	4	6	8	6	4	10	9	12	

Table in Figure 5.4-11 – Earthquake Retrofit Schedule at $S_{DS} = 1.0$ at front of garage in dwelling with a ground story residential unit with two sections of wood structural panel shear wall.

EARTHQUAKE RETROFIT SCHEDULE ($S_{DS} = 1.0$)						
① WEIGHT CLASSIFICATION	② Floor Area in Square Feet	③ Mark row that applies <input checked="" type="checkbox"/>	④ STEEL COLUMN RETROFIT (2) (3)		⑤ PROPRIETARY SHEAR WALL RETROFIT (4) (5)	⑥ DIAPHRAGM NAILING (3) (5)
			Steel Column	Column Connection Type (per detail 2 on sheet D7) at Upper Floor	Minimum Required at Allowable Shear Capacity (Pounds)	Edge Nail Spacing
Light Construction	800		W8x21	C1	3250	6
	1000		W8x21	C1	4060	6
	1200		W8x28	C1	4870	6
	1500		W8x28	C1	6090	6
	2000		W10x30	C2	8120	6
Medium Construction	800		W8x21	C1	4200	6
	1000		W8x28	C1	5250	6
	1200		W8x28	C1	6300	6
	1500		W10x30	C2	7880	6
	2000		W12x35	C3	10,500	6
Heavy Construction	800		W8x28	C1	5400	6
	1000		W8x28	C1	6860	4
	1200		W10x30	C2	8230	4
	1500		W12x35	C3	10,300	4
	2000		W10x45	C3	13,700	4

Table in Figure 5.4-8 – Alternate Earthquake Retrofit Schedule at $S_{DS} = 1.0$ with steel column or proprietary shear wall.

EARTHQUAKE RETROFIT SCHEDULE ($S_{DS} = 1.2$)						
① WEIGHT CLASSIFICATION	② Floor Area in Square Feet	③ Mark row that applies <input checked="" type="checkbox"/>	④ STEEL COLUMN RETROFIT (2) (3)		⑤ PROPRIETARY SHEAR WALL RETROFIT (4) (5)	⑥ DIAPHRAGM NAILING (3) (5)
			Steel Column	Column Connection Type (per detail 2 on sheet D7) at Upper Floor	Minimum Required at Allowable Shear Capacity (lbs)	Edge Nail Spacing
Light Construction	800		W8x21	C1	3900	6
	1000		W8x28	C1	4870	6
	1200		W8x28	C1	5850	6
	1500		W10x26	C2	7310	6
	2000		W12x35	C2	9740	6
Medium Construction	800		W8x28	C1	5040	6
	1000		W8x28	C1	6300	6
	1200		W10x30	C2	7560	4
	1500		W12x35	C2	9450	4
	2000		W10x45	C3	12,600	4
Heavy Construction	800		W8x28	C1	6590	4
	1000		W10x30	C2	8230	4
	1200		W12x35	C2	9880	3
	1500		W12x35	C3	12,400	3
	2000		"NG"	"NG"	16,500	3

Table in Figure 5.4-15 – Alternate Earthquake Retrofit Schedule at $S_{DS} = 1.2$ with steel column or proprietary shear wall.