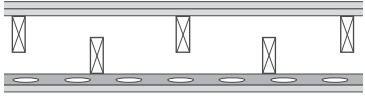
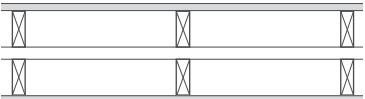
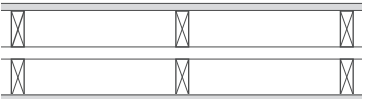


Fire and Sound Resistance Tables

Table 9.10.3.1.-A (Continued)

Type of Wall	Wall Number	Description	Fire-Resistance Rating ⁽²⁾⁽³⁾⁽⁴⁾		Typical Sound Transmission Class ⁽²⁾⁽⁴⁾⁽⁵⁾
			Loadbearing	Non-Loadbearing	
	W12	<ul style="list-style-type: none"> two rows 38 mm × 89 mm studs each spaced 400 mm or 600 mm o.c. staggered on common 38 mm × 140 mm plate 89 mm thick absorptive material on one side or 65 mm thick on each side⁽⁶⁾ resilient metal channels on one side spaced 400 mm or 600 mm o.c. 1 layer of gypsum board on resilient metal channel side 2 layers of gypsum board on other side 	 GG00043A		
	W12a	W12 with • 15.9 mm Type X gypsum board ⁽⁷⁾	45 min	1 h	56
	W12b	W12 with • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min	1 h	54
<ul style="list-style-type: none"> Wood Studs Two Rows on Separate Plates Loadbearing or Non-Loadbearing 	W13	<ul style="list-style-type: none"> two rows 38 mm × 89 mm studs, each spaced 400 mm or 600 mm o.c. on separate 38 mm × 89 mm plates set 25 mm apart with or without absorptive material 1 layer of gypsum board on each side 	 GG00044A		
	W13a	W13 with • 89 mm thick absorptive material on each side ⁽⁶⁾⁽¹³⁾ • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	1 h	57
	W13b	W13 with • 89 mm thick absorptive material on each side ⁽⁶⁾⁽¹³⁾ • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min [1 h ⁽⁸⁾]	45 min [1 h ⁽⁸⁾]	57
	W13c	W13 with • 89 mm thick absorptive material on one side only ⁽⁶⁾⁽¹³⁾ • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	1 h	54
	W13d	W13 with • 89 mm thick absorptive material on one side only ⁽⁶⁾⁽¹³⁾ • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min	45 min	53
	W13e	W13 with • no absorptive material • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	1 h	45
	W13f	W13 with • no absorptive material • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min	45 min	45
	W14	<ul style="list-style-type: none"> two rows 38 mm × 89 mm studs, each spaced 400 mm or 600 mm o.c. on separate 38 mm × 89 mm plates set 25 mm apart with or without absorptive material 2 layers of gypsum board on one side 1 layer of gypsum board on other side 	 GG00045B		
	W14a	W14 with • 89 mm thick absorptive material on each side ⁽⁶⁾⁽¹³⁾ • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	1 h [1.5 h ⁽⁸⁾]	61
	W14b	W14 with • 89 mm thick absorptive material on each side ⁽⁶⁾⁽¹³⁾ • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min	1 h	61
	W14c	W14 with • 89 mm thick absorptive material on one side only ⁽⁶⁾⁽¹³⁾ • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	1 h	57
	W14d	W14 with • 89 mm thick absorptive material on one side only ⁽⁶⁾⁽¹³⁾ • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min	1 h	57
	W14e	W14 with • no absorptive material • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	1 h	51