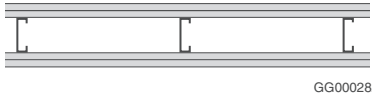
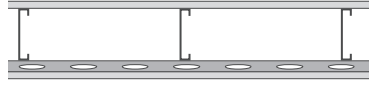


Fire and Sound Resistance Tables

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	
	S9b	S9 with • 150 mm thick absorptive material ⁽⁶⁾ • 12.7 mm Type X gypsum board ⁽⁷⁾	–	1.5 h	57
	S9c	S9 with • 150 mm thick absorptive material ⁽⁶⁾ • 12.7 mm regular gypsum board ⁽⁷⁾	–	1 h	53
	S9d	S9 with • no absorptive material • 15.9 mm Type X gypsum board ⁽⁷⁾	–	2 h	49
	S9e	S9 with • no absorptive material • 12.7 mm Type X gypsum board ⁽⁷⁾	–	1.5 h	47
	S9f	S9 with • no absorptive material • 12.7 mm regular gypsum board ⁽⁷⁾	–	1 h	43
<ul style="list-style-type: none"> • Loadbearing Steel Studs • 0.84 mm to 1.52 mm Thickness 	S10	<ul style="list-style-type: none"> • 41 mm × 92 mm loadbearing steel studs spaced 400 mm or 600 mm o.c. • with or without cross-bracing on one side • with or without absorptive material • 2 layers gypsum board on each side 			
	S10a	S10 with • 89 mm thick absorptive material ⁽⁶⁾ • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	–	38
	S10b	S10 with • 89 mm thick absorptive material ⁽⁶⁾ • 12.7 mm Type X gypsum board ⁽⁷⁾	45 min [1 h]	–	38
	S10c	S10 with • 89 mm thick absorptive material ⁽⁶⁾ • 12.7 mm regular gypsum board ⁽⁷⁾	–	–	36
	S10d	S10 with • no absorptive material • 15.9 mm Type X gypsum board ⁽⁷⁾	1 h	–	36
	S10e	S10 with • no absorptive material • 12.7 mm Type X gypsum board ⁽⁷⁾	1 h	–	35
	S10f	S10 with • no absorptive material • 12.7 mm regular gypsum board ⁽⁷⁾	–	–	34
	S11	<ul style="list-style-type: none"> • 41 mm × 92 mm loadbearing steel studs spaced 400 mm or 600 mm o.c. • with or without cross-bracing on one side • with or without absorptive material • resilient metal channels on one side • 1 layer gypsum board on each side 			
	S11a	S11 with • 89 mm thick absorptive material ⁽⁶⁾ • resilient metal channels spaced at 600 mm o.c. • 15.9 mm Type X gypsum board ⁽⁷⁾	–	–	50
	S11b	S11 with • 89 mm thick absorptive material ⁽⁶⁾ • resilient metal channels spaced at 400 mm o.c. • 15.9 mm Type X gypsum board ⁽⁷⁾	–	–	47
	S11c	S11 with • no absorptive material • resilient metal channels spaced at 600 mm o.c. • 15.9 mm Type X gypsum board ⁽⁷⁾	–	–	41