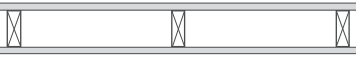

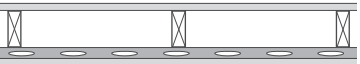


Fire and Sound Resistance Tables

Table 9.10.3.1.-A
Fire and Sound Resistance of Walls⁽¹⁾

Forming Part of Article 5.8.1.3., Sentence 9.10.3.1.(1), Articles 9.11.1.3. and 9.11.1.4., and Sentence 9.29.5.9.(5)

Type of Wall	Wall Number	Description	Fire-Resistance Rating ⁽²⁾⁽³⁾⁽⁴⁾		Typical Sound Transmission Class ⁽²⁾⁽⁴⁾⁽⁵⁾
			Loadbearing	Non-Loadbearing	
• Wood Studs	W1	<ul style="list-style-type: none"> • 38 mm × 89 mm studs spaced 400 mm or 600 mm o.c. • with or without absorptive material • 1 layer of gypsum board on each side 	 GG00032A		
• Single Row		W1a	<ul style="list-style-type: none"> • W1 with • 89 mm thick absorptive material⁽⁶⁾ • 15.9 mm Type X gypsum board⁽⁷⁾ 	1 h	1 h
• Loadbearing or Non-Loadbearing	W1b	<ul style="list-style-type: none"> • W1 with • 89 mm thick absorptive material⁽⁶⁾ • 12.7 mm Type X gypsum board⁽⁷⁾ 	45 min [1 h ⁽⁸⁾]	45 min [1 h ⁽⁸⁾]	34
	W1c	<ul style="list-style-type: none"> • W1 with • 89 mm thick absorptive material⁽⁶⁾ • 12.7 mm regular gypsum board⁽⁷⁾⁽⁹⁾ 	30 min	30 min [45 min ⁽⁸⁾]	32
	W1d	<ul style="list-style-type: none"> • W1 with • no absorptive material • 15.9 mm Type X gypsum board⁽⁷⁾ 	1 h	1 h	32
	W1e	<ul style="list-style-type: none"> • W1 with • no absorptive material • 12.7 mm Type X gypsum board⁽⁷⁾ 	45 min	45 min	32
	W2	<ul style="list-style-type: none"> • 38 mm × 89 mm studs spaced 400 mm or 600 mm o.c. • with or without absorptive material • 2 layers of gypsum board on each side 	 GG00033A		
	W2a	<ul style="list-style-type: none"> • W2 with • 89 mm thick absorptive material⁽⁶⁾ • 15.9 mm Type X gypsum board⁽⁷⁾ 	1.5 h	2 h	38
	W2b	<ul style="list-style-type: none"> • W2 with • 89 mm thick absorptive material⁽⁶⁾ • 12.7 mm Type X gypsum board⁽⁷⁾ 	1 h	1.5 h	38
	W2c	<ul style="list-style-type: none"> • W2 with • 89 mm thick absorptive material⁽⁶⁾ • 12.7 mm regular gypsum board⁽⁷⁾ 	45 min	1 h	36
	W2d	<ul style="list-style-type: none"> • W2 with • no absorptive material • 15.9 mm Type X gypsum board⁽⁷⁾ 	1.5 h	2 h	36
	W2e	<ul style="list-style-type: none"> • W2 with • no absorptive material • 12.7 mm Type X gypsum board⁽⁷⁾ 	1 h	1.5 h	35
	W2f	<ul style="list-style-type: none"> • W2 with • no absorptive material • 12.7 mm regular gypsum board⁽⁷⁾ 	45 min	1 h	34
	W3	<ul style="list-style-type: none"> • 38 mm × 89 mm studs spaced 400 mm or 600 mm o.c. • 89 mm thick absorptive material⁽⁶⁾ • resilient metal channels on one side spaced 400 mm or 600 mm o.c. • 1 layer of gypsum board on each side 	 GG00034A		
	W3a	<ul style="list-style-type: none"> • W3 with • studs spaced 400 mm o.c. • 15.9 mm Type X gypsum board⁽⁷⁾ 	45 min	1 h	45
	W3b	<ul style="list-style-type: none"> • W3 with • studs spaced 600 mm o.c. • 15.9 mm Type X gypsum board⁽⁷⁾ 	45 min	1 h	48
	W3c	<ul style="list-style-type: none"> • W3 with • studs spaced 400 mm or 600 mm o.c. • 12.7 mm Type X gypsum board⁽⁷⁾ 	45 min	45 min	43