

Fire Rated Masonry Wall Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
MR20	60	U906		150mm Nominal Concrete Masonry Unit 100% Grout Filled
MR30	60	U906		190mm Nominal Concrete Masonry Unit
MR30P	60	U906		190mm Nominal Architectural Concrete Masonry Unit
MR31	55	60 U906		190mm Nominal Concrete Masonry Unit 100% Grout Filled
MR35	0			190mm Nominal Concrete Masonry Unit
MR35P	0			190mm Nominal Architectural Concrete Masonry Unit
MR41	55	60 U906		240mm Nominal Concrete Masonry Unit 100% Grout Filled

Masonry Wall Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
M20				140mm Nominal Concrete Masonry Unit
M20P				140mm Nominal Architectural Concrete Masonry Unit
M30				190mm Nominal Concrete Masonry Unit
M30P				190mm Nominal Architectural Concrete Masonry Unit
M30P0				190mm Nominal Architectural Concrete Masonry Unit Height of wall extends past ceiling by 1 unit course

Fire Rated Metal Stud Partition Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
FR30C	60	W453		16mm Fire Rated Gypsum Board 92mm Metal Studs 16mm Fire Rated Gypsum Board
FR50C	60	W453		16mm Fire Rated Gypsum Board 125mm Metal Studs 16mm Fire Rated Gypsum Board
FR51C	45	60 W453		16mm Fire Rated Gypsum Board 152mm Metal Studs Filled w/ Batt Insulation 16mm Fire Rated Gypsum Board
FR55C	0	W453		16mm Fire Rated Gypsum Board 125mm Metal Studs 16mm Fire Rated Gypsum Board - Moisture Resistant

Metal Stud Partition Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
P20G				16mm Gypsum Board 64mm Metal Studs 16mm Gypsum Board
P30G				16mm Gypsum Board 92mm Metal Studs 16mm Gypsum Board
P31G	45			16mm Gypsum Board 92mm Metal Studs Filled w/ Batt Insulation 16mm Gypsum Board
P50G				16mm Gypsum Board 125mm Metal Studs 16mm Gypsum Board
P51G	45			16mm Gypsum Board 152mm Metal Studs Filled w/ Batt Insulation 16mm Gypsum Board
P51H	50			2 layers 16mm Gypsum Board 152mm Metal Studs Filled w/ Batt Insulation 2 layers 16mm Gypsum Board

Furring Wall Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
F01G				16mm Gypsum Board Adhered to Substrate
F03G				16mm Gypsum Board 20mm Metal Furring Channel 16mm Gypsum Board
F10G				16mm Gypsum Board 41mm Metal Stud Substrate (Refer to Drawings)
F20G				16mm Gypsum Board 64mm Metal Studs Substrate (Refer to Drawings)
F30G				16mm Gypsum Board 92mm Metal Studs Substrate (Refer to Drawings)
F50G				16mm Gypsum Board 125mm Metal Studs Substrate (Refer to Drawings)
F5008				16mm Gypsum Board (Impact Resistant) 152mm Metal Studs Substrate (Refer to Drawings)

Fire Rated Shaftwall Partition Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
FR300	39	W452 System A		16mm Fire Rated Gypsum Board 102mm CH Stud 25.4mm Gypsum Liner Panel

Fire Rated Wood Stud Partition Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
WR5GA	36	U917		16mm Fire Rated Gypsum Board 38x140mm Wood Studs (2x4) 400mm o.c. spacing 140mm Acoustic Insulation 16mm Fire Rated Gypsum Board
WR6G	32	45 U917		16mm Fire Rated Gypsum Board 38x140mm Wood Studs (2x4) 400 o.c. spacing 140mm Acoustic Insulation 16mm Fire Rated Gypsum Board
WR6GA	36	45 U917		16mm Fire Rated Gypsum Board 38x140mm Wood Studs (2x4) 400mm o.c. spacing 140mm Acoustic Insulation 16mm Fire Rated Gypsum Board
WR60C	55	0 MRC 2023 D.2.3.4		16mm Gypsum Board 38x140mm Wood Studs (2x4) @ 400 o.c. spacing 140mm Acoustic Insulation (Installed on Corridor side - Typ.) 2 layers 16mm Gypsum Board
WR6IC	55	60 MRC 2023 D.2.3.4		2 layers 16mm Fire Rated Gypsum Board 38x140mm Wood Studs (2x4) @ 400 o.c. spacing 13mm Resilient Channel (Installed on Corridor side - Typ.) 140mm Acoustic Insulation 2 layers 16mm Fire Rated Gypsum Board
WR6OC	51	45 MRC 2023 D.2.3.4		2 layers 16mm Gypsum Board 13mm Resilient Channel (Installed on Corridor side - Typ.) 38x140mm Wood Studs (2x4) @ 400 o.c. spacing 140mm Acoustic Insulation 16mm Gypsum Board
WR6ONS	51	45 MRC 2023 D.2.3.4		1 layer 16mm Gypsum Board 1 layer plywood sheathing 38x140mm Staggered Wood Studs (2x4) on 38x184mm (2x8) sill plate and header 140mm Acoustic Insulation 16mm Gypsum Board
WR6ON	51	45 MRC 2023 D.2.3.4		1 layer 16mm Gypsum Board 38x140mm Staggered Wood Studs (2x4) on 38x184mm (2x8) sill plate and header 140mm Acoustic Insulation 16mm Gypsum Board

Wood Stud Partition Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
W6G	32			16mm Gypsum Board 38x140mm Wood Studs (2x4) 400mm o.c. spacing 16mm Gypsum Board
W6Q				16mm Gypsum Board 38x140mm Wood Studs (2x4) 400mm o.c. spacing 140mm Acoustic Insulation 16mm Gypsum Board
W6A	36			16mm Gypsum Board 38x140mm Wood Studs (2x4) 400 o.c. spacing 140mm Acoustic Insulation 16mm Gypsum Board
W6ON	51			2 layers 16mm Gypsum Board 13mm Sheathing 38x140mm Staggered Wood Studs (2x4) on 38x184mm (2x8) sill plate and header 140mm Acoustic Insulation 16mm Gypsum Board
W6ONS	51			2 layers 16mm Gypsum Board 13mm Sheathing 38x140mm Staggered Wood Studs (2x4) on 38x184mm (2x8) sill plate and header 140mm Acoustic Insulation 16mm Gypsum Board
W6OC	51			16mm Gypsum Board 38x140mm Wood Studs (2x4) @ 400 o.c. spacing 140mm Acoustic Insulation 16mm Gypsum Board
W6OCS	51			16mm Gypsum Board 13mm Sheathing 38x140mm Wood Studs (2x4) @ 400 o.c. spacing 140mm Acoustic Insulation 16mm Gypsum Board

Wood Stud Furring Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
WF9G				16mm Gypsum Board 38x99mm Wood Studs (2x4) 400mm o.c. spacing

Ceiling Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
ACT1				Acoustic Ceiling Tile in Tile Suspension System 610mm x 1220mm Acoustic Ceiling Tile T-Bar Suspension System w/ Square Edge
ACT2				Acoustic Ceiling Tile in Tile Suspension System (Moisture Resistant) 610mm x 1220mm Acoustic Ceiling Tile - Moisture Resistant Aluminum T-Bar Suspension System w/ Square Edge
ACT3				Acoustic Ceiling Tile in Tile Suspension System 610mm x 1220mm Acoustic Ceiling Tile - High CAC CAC Foil Backing T-Bar Suspension System w/ T-Bar Reveal Edges
ACP1				Acoustic Panel Ceiling Acoustic Ceiling Panel Acoustic Panel in Suspension System 1220x1830mm Suspension Grid
ACP2				Acoustic Wood Ceiling on Suspension System 19mm Veneer wrapped Panels Acoustic Fabric Backer 25mm T-Bar Suspension System
ACP3				Acoustic Metal Panel Ceiling with Torsion Spring Framing System 25mm Pre-formed Perforated Metal Panel 1270mm T-system suspended frame with Torsion Spring Clips
ACP4				Acoustic Wood Ceiling on Suspension System 16mm Panels Non-woven acoustic fabric Backer 25mm T-Bar Suspension System
GBC1				Suspended Gypsum Board Ceiling 38mm Suspended Steel Channels at Max 600mm OC 22mm Steel Furring Channel at Max 400mm OC 13mm Gypsum Board
GBC2				Suspended Gypsum Board Ceiling - Moisture Resistant 38mm Suspended Steel Channels at Max 600mm OC 22mm Steel Furring Channel at Max 400mm OC 16mm Moisture Resistant Gypsum Board
GBC3				Suspended Gypsum Board Ceiling - Impact Resistant 38mm Suspended Steel Channels at Max 600mm OC 22mm Steel Furring Channel at Max 400mm OC 16mm Impact Resistant Gypsum Board

Acoustic Wall Panel Types

TYPE	STC	FRR	ASSEMBLY	DESCRIPTION
AWP1				Acoustic Felt Wall Panel 19mm Acoustic Felt Panel 19mm FRR Wood Strapping Substrate (Refer to Drawings)
AWP2				Corrugated & Fully Perforated Preformed Metal Panel 41mm Performed and Painted Perforated Metal Panel 41mm Center Channels with Black Acoustic Batt Infill Substrate (Refer to Drawings)
AWP4				Acoustic Wall Panel - Perforated Wood Paneling 20mm Wood Panel 25mm Furring Channels Infill with Black Acoustic Backer Substrate (Refer to Drawings)

Sub Floor Types

TYPE	FRR	RSI	ASSEMBLY	DESCRIPTION
SF1	60	U906		Concrete Structural Slab 275mm Structural Slab Vapor Barrier adhered to underside of slab 150mm Void Form Refer to Structural Drawings Refer to Geotechnical Report for Granular Base and Sub-Base
SF2	60	U906		Concrete on Metal Deck 114mm Concrete 76mm Steel Deck Structural Steel Framing w/ Spray-Applied Fire Proofing Refer to Structural Drawings Refer to Room Finish Schedule for Rooms where Exposed Spray Applied Fire Proofing (SFRM) at underside of Level 2 is Permitted.
SF3	60	U906		Concrete on Metal Deck 104mm Concrete 76mm Steel Deck Structural Steel Framing w/ Spray-Applied Fire Proofing Refer to Structural Drawings Refer to Room Finish Schedule for Rooms where Exposed Spray Applied Fire Proofing (SFRM) at underside of Level 2 is Permitted.
SF10	0			Crawlspace Ground 15mm Drain Space Ground Vapour Barrier 30mm Sand Granular Fill Refer to Geotechnical Report
SF11	0			Wood Sheathing on Joists 16mm Plywood Sheathing 406mm T.J. 360 Joists Refer to Structural drawings for extents and joist spacing
SF13	0			Wood Sheathing on Joists 16mm Plywood Sheathing 407mm T.J. 360 Joists Refer to Structural drawings for extents and joist spacing

Floor Assemblies

TYPE	FRR	RSI	ASSEMBLY	DESCRIPTION
WDF1				Wood Athletic Flooring - Anchored System 20mm Hardwood Flooring 18mm Subfloor Panels 16mm Shock Absorption Pads 30mm Expansion Space Around Perimeter Used in Wood Athletic Flooring System Specifications 51mm Expansion Space Around Perimeter
WDF2				Wood Athletic Flooring - Adhered System 20mm Hardwood Flooring 18mm Subfloor Panels 16mm Shock Absorption Pads Adhesive Layer Compressive Underlayment as required to meet tolerances Used in Wood Athletic Flooring System Specifications 51mm Expansion Space Around Perimeter

Column and Cross Bracing Fire Proofing and AESS

TYPE	FRR	ASSEMBLY	DESCRIPTION	
SFRM	60	U906		Level 1: All Non-Exposed Structural Framing Supporting Level 2 Floor Assembly Spray Applied Fire Proofing Refer to Specifications for thickness
IFRM	60	U906		Level 1: All Exposed Structural Framing Supporting Level 2 Floor Assembly Inherent Coating Refer to Specifications for thickness
0				Level 2: All Non-Exposed Structural Framing Supporting Roof Assembly AESS Refer to Specifications for thickness
0				Level 2: All Exposed Structural Framing Supporting Roof Assembly AESS Primer and Painted

GENERAL NOTES

Plans

- Refer to Building Elements Schedule for Exterior Wall, Partition, Roof, Ceiling, and Soffit Types.
- Refer to Mechanical and Electrical Drawings for Additional Requirement.
- All Locations Where Mech. Ducts Interfere with Full Height Construction of Interior Partitions, Offset Partition Above Ceiling and Brace as Required. Maintain Fire Separation/Containment of Partition. Offsetting of Partitions Will Only Be Permitted Where Checkmark Cannot be Positioned.
- All Dimensions are Taken to Face of Masonry or Concrete at Masonry and Concrete Walls and Partitions. All Steel Stud Partitions, Dimensions are Taken to Face of Gypsum Board, Unless Otherwise Noted.
- Increase Thickness of Walls or Full Out Wall Thickness as Required to Accommodate Mechanical and Electrical Panels and Services. Maintain Fire Separation Around Back of Panels Where Applicable.
- For Dimensions of Concrete Refer to Slab Edge Drawings.

GENERAL NOTES

Partitions

- Gypsum Board Partitions and Furring:
 - Extend Gypsum Board Partitions Full Height to U/S of Floor or Roof Deck Above, Unless Otherwise Indicated.
 - At Non-Rated Fire Separations, Acoustic and Fire Rated Partitions Through Gypsum Board.
 - Provide Backer Plates for Handrail Support, Bumper Rails, Wall Mounted Mirrors, etc. Refer to Plans for Extent and Locations.
 - At Partitions to Receive Ceramic Tile Finish Provide Tile Backer Board in Lieu of Gypsum Board Behind Tiles. Backer Board to be Fire Rated Type for Base Partitions.
 - All Acoustic Partitions, Recessed Electrical Boxes on Opposite Side of Partition to be Staggered Minimum 600mm.
 - Refer to Room Finish Schedule for Interior Finishes.
 - Height of Furring Wall to be 150mm Above Finished Ceiling Unless Otherwise Noted.
 - U.L.C. Listings Provided for Fire Rated Partitions are for Reference Only. Provide Appropriate Manufacturer Specific U.L.C. Listings for Review as Required in the Specifications.
 - At non-rated acoustic partitions, labelled with STC values, seal top of wall to underside of structural floor with non-hardening acoustic caulk.
 - 110 Metal Supports for Gypsum Board to include heavy duty corrosion protection at all wall corners and rooms containing plumbing, showers, toilets, sinks or lavatories.
 - At Acoustic Partitions, Gypsum shall be installed to 1200mm from finished floor as a typical condition at all metal stud partitions and furring, unless otherwise noted.
- Concrete Masonry Unit Walls and Partitions:
 - All Concrete Masonry Unit Walls and Partitions to extend to U/S of Floor or Roof Slab Above, Unless Noted Otherwise.
 - Provide Compressible Joint Filler Continues at Top of All CMU Walls and Partitions. Seal Joints where Exposed. Provide Firestopping and Smoke Seals at Perimeter Joints and Penetrations in Fire Rated Partitions.
 - Provide Lateral Bracing at Top of CMU Walls and Partitions. Refer to Structural for Details.
 - Provide Reinforcement of CMU Walls and Partitions as Required by Structural.
 - At non-rated acoustic masonry partitions labelled with STC values, seal top of wall to underside of structural floor with non-hardening acoustic caulk.
- Fire Separation:
 - Refer to Fire Separation Plans - Fire Separation Requirements.
 - At All Fire Rated Partitions, Install Continuous Firestopping and Smoke Seals at All Perimeter Joints and Penetrations.
 - At Recessed Panel Installations (E.g. Electrical Panels) Within Rated Walls: Provide Continuity of the Required Rating Behind and Around the Panel.

Issued

No.	Date	Description
1	2025/12/11	Contract Documents
3	2026/01/29	Addendum 4