One way FRR — timber or steel frame

Specification number	Performance	Specifications	
GBUW 90	**FRR** 90/90/90	**Lining**	1 layer 16mm GIB Fyreline® and 1 layer 19mm GIB Fyreline® one side
		LB/NLB	Load bearing

FRAMING AND WALL HEIGHT

Timber or steel frame designed to meet durability and structural criteria for strength and serviceability under dead and live loads.

The width of framing supporting the linings shall be 35mm minimum.

The cavity depth shall be 90mm minimum.

Framing spacing shall be at 600mm centres maximum.

Timber frame height and dimensions as determined by NZS 3604 stud tables or specific design.

LINING (FIRE SIDE)

1 layer of 16mm GIB Fyreline® plus 1 layer of 19mm GIB Fyreline® to one side of the frame.

Vertical or horizontal fixing permitted. For vertical fixing, full height sheets shall be used where possible.

Sheets shall be touch fitted.

All sheet joints must be formed over framing, except for longitudinal joints when the outer layer is fixed horizontally.

When sheet end butt joints are unavoidable, they shall be formed over framing.

Offset sheet joints between layers.

In steel-framed options, linings are installed hard to floor.

FASTENING THE LINING

Fasteners

Layer	Timber frame	Steel frame
Inner layer (16mm GIB Fyreline®)	41mm x 6g GIB® Grabber® High Thread Drywall Screws	32mm x 6g GIB® Grabber® Self Tapping Drywall Screws
Outer layer (19mm GIB Fyreline®)	57mm x 7g GIB® Grabber® High Thread Drywall Screws	51mm x 7g GIB® Grabber® Self Tapping Drywall Screws

Fastener centres

Inner layer: 600mm centres up each stud.

Outer layer: 300mm centres up each stud.

Place fasteners 12mm from longitudinal sheet edges and 18mm from sheet ends.

Place fasteners at 200mm centres along sheet end butt joints.

JOINTING

Inner layer: Unstopped.

Outer layer: All screw heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled "GIB® Site Guide".