

Simultaneous two sided fire exposure — timber frame

Specification number	Performance	Specifications
GBTL 60 2S	FRR 60/-/ STC 46 Rw 45	Lining 2 layers of 13mm GIB Fyrelite® each side LB/NLB Load bearing

FRAMING

Framing to comply with:

- NZBC B1 — Structure: AS1 Clause 3 — Timber (NZS 3604) or VM1 Clause 6 — Timber (NZS 3603).
- NZBC B2 — Durability: AS1 Clause 3.2 — Timber (NZS 3602).
- Minimum 90 x 45mm studs at 600mm centres maximum.
- Nogs at 1000mm centres maximum.

WALL HEIGHTS AND FRAMING DIMENSIONS

Loadbearing — Framing dimensions and height as determined by NZS 3604 stud and top plate tables for loadbearing walls.

LINING

2 layers of 13mm GIB Fyrelite® each 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 solid timber framing, except for longitudinal joints when the outer layer is fixed horizontally

Stagger longitudinal sheet joints between layers and on opposite sides of the frame. When sheet end butt joints are unavoidable, they shall be formed over nogs, staggered between layers and staggered on opposite sides of the wall.

FASTENING THE LINING

Fasteners

Inner layer: 32mm x 6g GIB® Grabber® High Thread Drywall Screws.

Outer layer: 51mm x 7g GIB® Grabber® High Thread Drywall Screws.

Fastener centres

Inner layer: 600mm centres up each stud.

Outer layer: 300mm centres up each stud.

Place fasteners 50mm from sheet corners along plates. At wall corners place an additional fastener 50–60mm vertically, no closer than 10mm from plate-to-stud joints.

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 fastener heads stopped and all sheet joints tape reinforced and stopped in accordance with the publication entitled “GIB® Site Guide”.

