Two Way FRR – Timber Frame

JANUARY 2006

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS	SOUND TRANSMISSION CLASS	SYSTEM WEIGHT APPROX
GBTL 120	LB	120/120/120	2 x 16mm GIB Fyreline® each side	STC 46	65kg/m²

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).
- Studs at 600mm centres maximum.
- Nogs at 800mm centres maximum.

WALL HEIGHTS AND FRAMING DIMENSIONS

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

LINING

2 layers of 16mm GIB Fyreline® each side of the frame.
Vertical fixing only permitted.
Sheets shall be touch fitted.
Full height sheets shall be used where possible.
When sheet end butt joints are unavoidable, they must be formed over solid framing and staggered from horizontal joints in the first layer.
Joints of the outer layer are staggered from sheet end butt joints in the first layer.
All sheet joints must be formed over solid timber framing.

FASTENING THE LINING

Fasteners

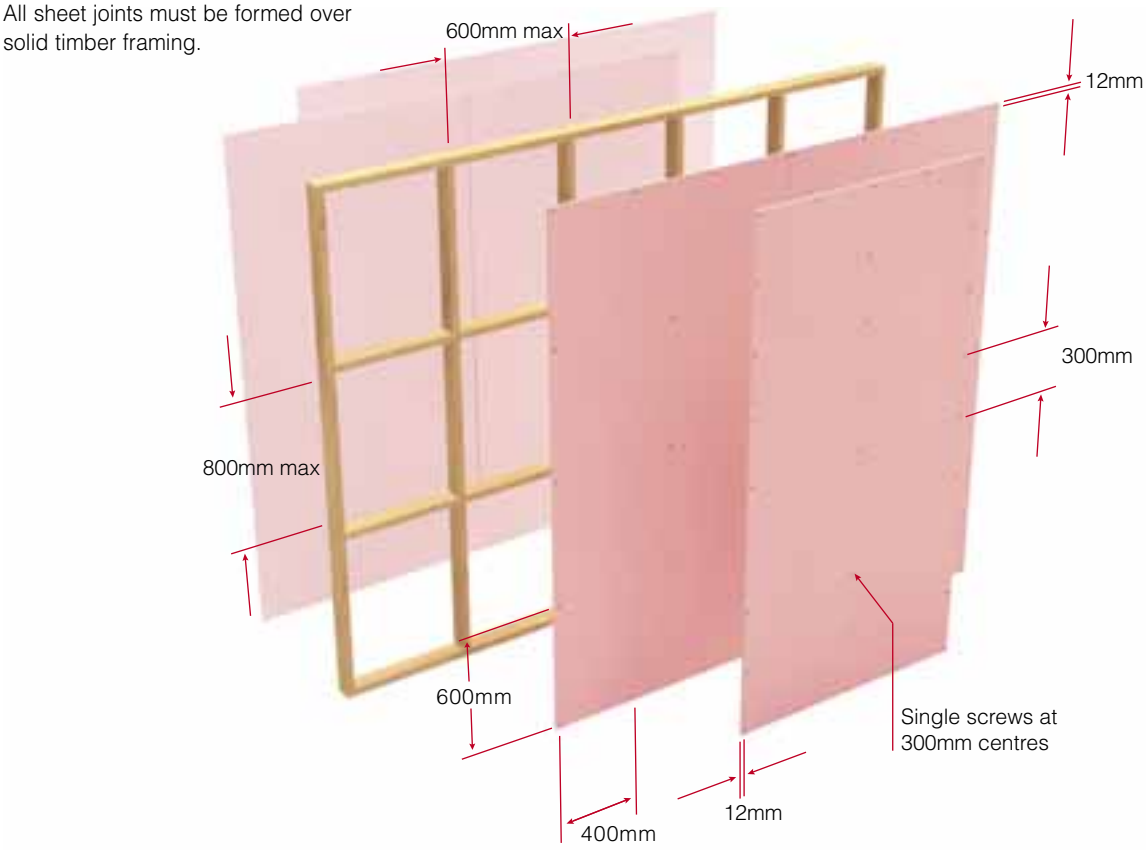
INNER LAYER: 51mm x 7g GIB® Grabber® High Thread Drywall Screws.
OUTER LAYER: 63mm x 8g GIB® Grabber® Self Tapping Screws.

Fastener Centres

INNER LAYER: 600mm centres vertically up each stud 400mm centres horizontally along top and bottom plates.
OUTER LAYER: 300mm centres around the sheet perimeter.
Place fasteners 12mm from sheet edges.
Single screws at 300mm centres to intermediate studs.

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".



In order for GIB® systems to perform as tested, all components must be installed exactly as prescribed. Substituting components produces an entirely different system and may seriously compromise performance. Follow system specifications.