Two Way FRR – Double Timber Frame

MARCH 2006

SPEC No.	LOADBEARING CAPACITY	STC	RW	FIRE RESISTANCE RATING	LINING REQUIREMENTS
GBT(L)A 90d	LB	68	67	(90)/90/90	2 x 13mm GIB Noiseline® each side

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 (NZ 3602)
- Studs at 600mm centres maximum
- Nogs at 1350mm centres maximum.

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

SOUND CONTROL INFILL

R1.8 (75mm) Pink® Batts® glasswool insulation installed between the studs and nogs on one side of the double frame.

LINING

2 layers of 13mm GIB Noiseline® fixed vertically each side of the frame. Vertical joints of the outer layer are offset 600mm from those of the inner layer. Use full height sheets where possible. Sheet joints are touch fitted and must occur over framing. Where sheet end joints are unavoidable they must be over nogs and outer layer joints offset from those on the inner layer.

ACOUSTIC SEALANT

A bead of GIB Soundseal® acoustic sealant is required around the perimeter of the inner lining, the outer lining is then bedded onto the bead.

FASTENING THE LINING

Fasteners

INNER LAYER: 51mm x 7g GIB® Grabber® High Thread Drywall Screws.

OUTER LAYER: 63mm x 8g GIB® Grabber® Self Tapping Drywall Screws.

Fastener Centres

INNER LAYER and OUTER LAYER: 300mm centres around sheet perimeter and 300mm to intermediate studs.

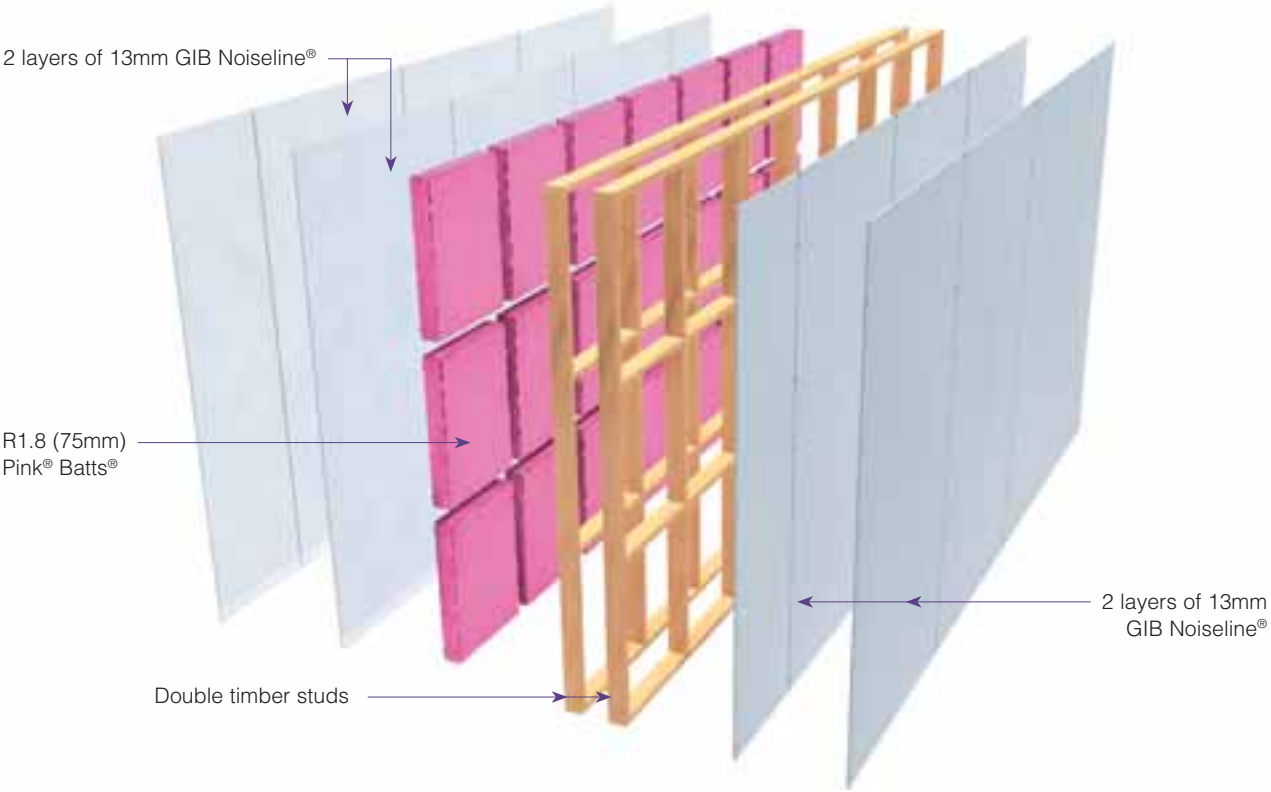
Place fasteners 12mm from sheet edges.

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". Wall to ceiling junctions are to be reinforced with paper tape and square stopped or finished with GIB-Cove®.

STUD SIZE	SPACE BETWEEN FRAMES	PARTITION WIDTH
70mm KD	65mm min	257mm
90mm KD	25mm min	257mm



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.