

GIB **Two Way FRR – Staggered Stud Steel Frame** MARCH 2006

SPEC No.	LOADBEARING CAPACITY	STC	RW	FIRE RESISTANCE RATING	LINING REQUIREMENTS
GBSA 90s	NLB	60	59	-/90/90	1 x 13mm and 1 x 10mm GIB Noiseline® each side

FRAMING

Steel stud dimensions 64 x 34 x 0.55mm nominal with 6mm return and placed in 92mm x 30 x 0.55mm nominal steel track. Track is fixed to floor and ceiling, and studs placed staggered at 300mm centres to form 600mm centres maximum at each side of the track. Studs are placed to allow a 15mm expansion gap at the top of the frame. Rondo® staggered stud clips are used top and bottom of studs to friction fit studs to track. No other fixings to tracks are allowed.

Note: If 0.5mm BMT steel studs are used, verification of performance must be obtained from the supplier of the framing system.

WALL HEIGHTS

Recommended maximum wall height is 2700mm. For higher walls consult the framing manufacturer.

SOUND CONTROL INFILL

R1.8 (75mm) Pink® Batts® glasswool insulation installed between the studs. 600mm wide batts require splitting to 300mm.

LINING

1 layer of 13mm GIB Noiseline® and 1 layer of 10mm GIB Noiseline® on each side. All layers fixed vertically. Vertical joints of the outer layer are offset 600mm from those of the inner layer. The inner layers must be fitted hard to floor. Use full height sheets where possible. Where sheet end joints are unavoidable they must be over nogs and outer layer joints offset from the inner. Sheet joints are touch fitted and must occur over framing.

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: 25mm x 6g GIB® Grabber® Self Tapping Drywall Screws.

OUTER LAYER: 41mm x 6g screws as above.

Fastener Centres

INNER and OUTER LAYER: 300mm centres up each stud.

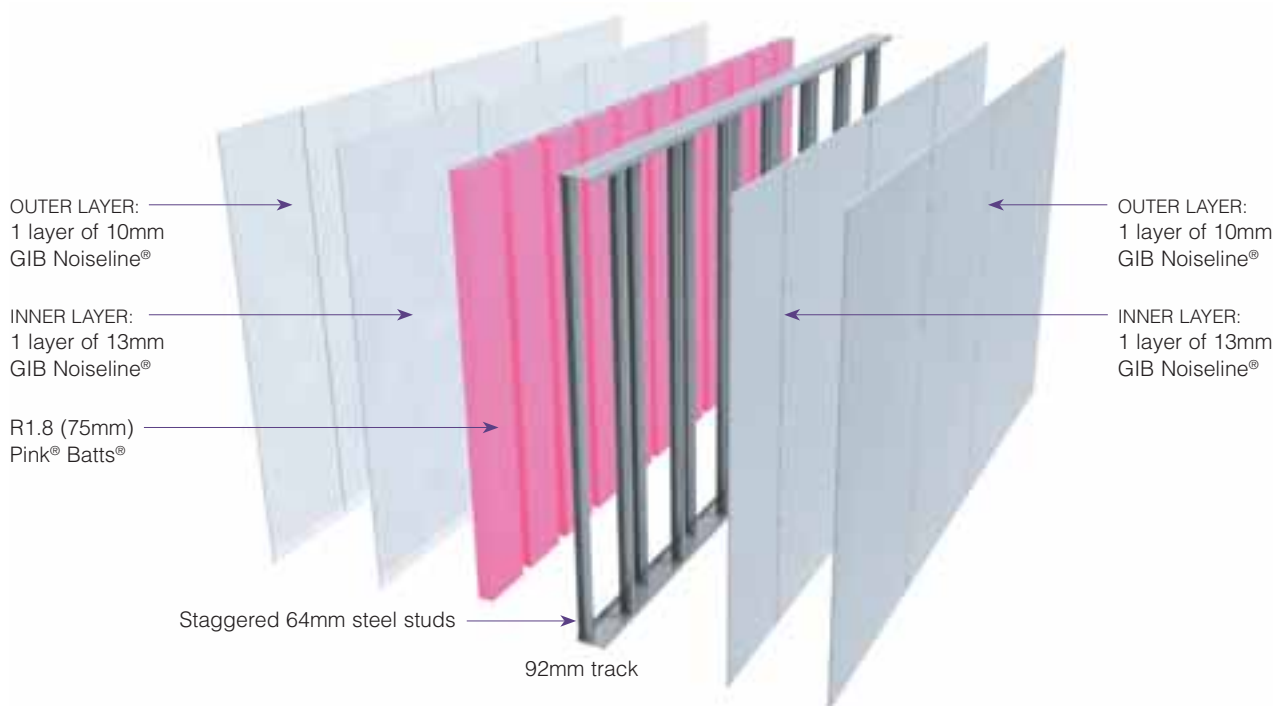
Place fasteners 12mm to sheet edge generally and 50mm from sheet ends.

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 reinforced with paper tape and square stopped or finished with GIB-Cove®.

STUD SIZE	SPACE BETWEEN FRAMES	PARTITION WIDTH
64 x 34 x 0.55mm	N/A	138mm



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.