

**GIB** Two Way FRR – Steel Frame JANUARY 2006

SPECIFICATION NUMBER	LOADBEARING CAPACITY	FIRE RESISTANCE RATING	LINING REQUIREMENTS	SOUND TRANSMISSION CLASS	SYSTEM WEIGHT APPROX
GBS 90	NLB	-/90/90	1 x 16mm GIB Fyreline® each side	STC 41	29kg/m <sup>2</sup>

**FRAMING AND WALL HEIGHT**

Steel stud dimensions to be 63 x 34 x 0.55mm nominal with a 6mm return.  
 Steel channel dimensions to be 63 x 30 x 0.55mm nominal.  
 Channel runners are fixed to the floor and ceiling in true alignment.  
 Stud spacing at 600mm centres maximum.  
 Place studs to allow a 15mm expansion gap at the top of the frame.  
 The studs are held in place by the “grip” of the channel runners. Light locating fasteners that fail at high temperatures, such as single aluminium rivets may be used. Otherwise positive fixing must be avoided.  
 Recommended maximum height of partition is 2700mm.  
 Higher walls are the subject of specific engineering design.

**Note:** If 0.50mm BMT steel studs are used, verification of performance must be obtained from the supplier of the framing system.

**LINING**

1 layer of 16mm GIB Fyreline® each side of the frame.  
 Vertical fixing only permitted.  
 Sheets shall be touch fitted.  
 Offset joints between sheets by 600mm on opposite side of the frame. Full height sheets shall be used where possible.  
 When sheet end butt joints are unavoidable, they shall be formed over nogs.  
 All sheet joints must be formed over framing.  
 Linings are fixed hard to floor.

**FASTENING THE LINING**

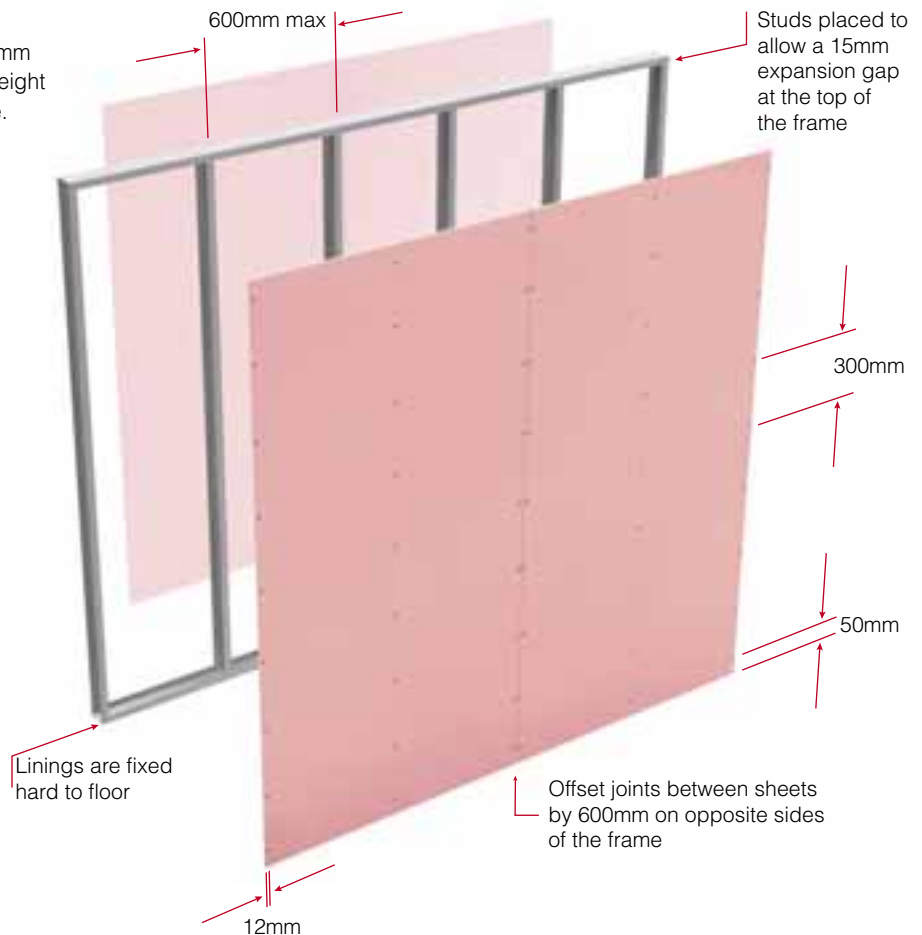
**Fasteners**  
 32mm x 6g GIB® Grabber® Drywall Self Tapping Screws.  
**Fastener Centres**  
 300mm centres up each stud.  
 Place fasteners 12mm from sheet edges generally and 50mm from sheet ends.

**SERVICES**

Holes may be drilled or pre-punched in the metal studs to allow installation of electrical service lines and plumbing supply pipes.

**JOINTING**

All screw 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.