

3.2 SUBSTITUTION SRP™ WALL PRODUCTS

SRP™ STUD/TRACK/NOG SECTIONS AND ASSOCIATED COMPONENTRY

SRP™ Wall configurations as shown in **TABLE 2** using 64mm and 92mm SRP™ Studs and associated componentry manufactured by Steel Rollformed Products™ Ltd are designed not to compromise the structural integrity*, acoustic or fire rating performance, if installed in accordance with non-load bearing GIB® Performance Systems called up in GIB® Fire Rated Systems for FRR walls and GIB® Noise Control Systems for STC walls and SRP™ Product Catalogue for all SRP™ walls. Specification references include:

GIB® Fire Rated Systems:

- » GBS30, GBS60, GBS90, GBS120a – single Stud frame walls
- » GBS240 – double Stud frame wall, with inside Stud flanges, in the middle gap lined with GIB® as well.

GIB® Noise Control Systems:

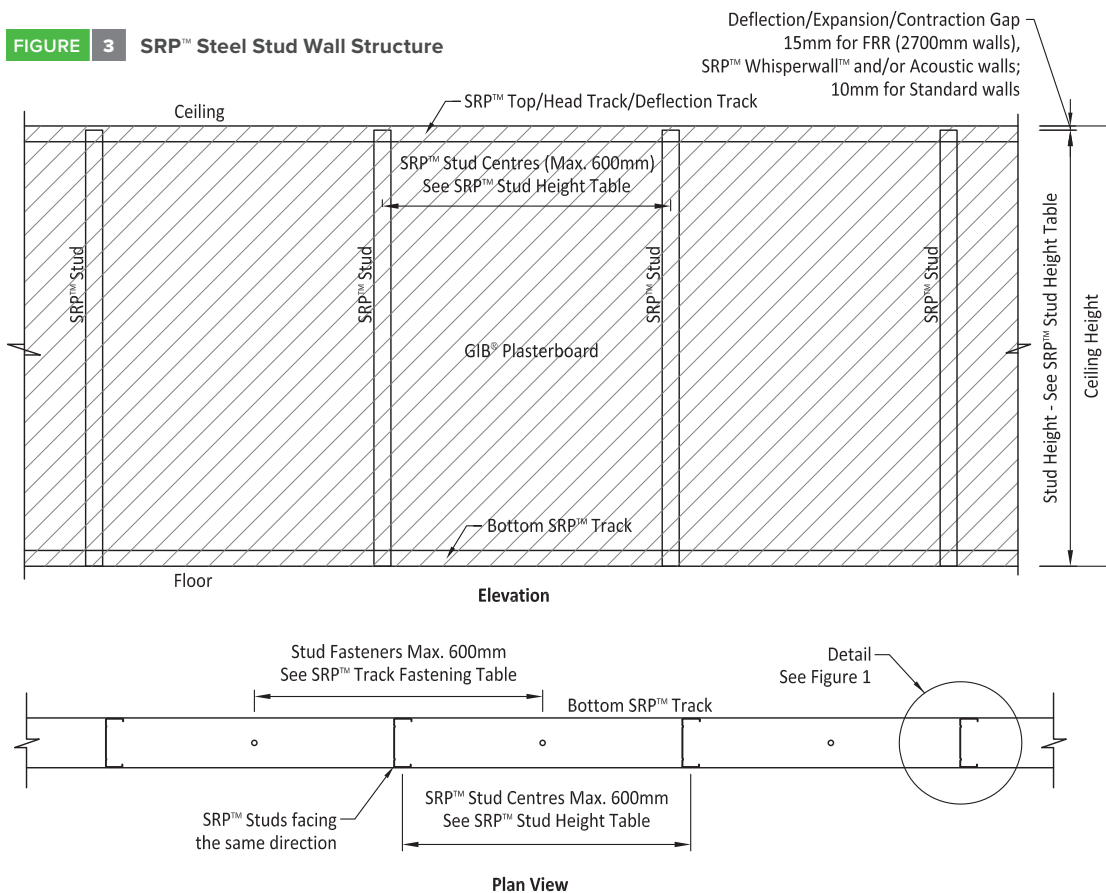
- » GBSA30b, GBSA45, GBSA60c, GBSA90c, GBSA90d – double Stud frame walls
- » GBSA30s, GBSA90s – staggered Stud frame walls
- » GBSA30r, GBSA60r, GBSA90r – single Stud frame walls

[Refer to the letter of endorsement from Winstone Wallboards dated 23rd August 2015.]

In addition to this, SRP™ Whisperwall™ Acoustic SRP™ Stud has been confirmed as an acceptable substitution in GBS 60 from GIB® Fire Rated Systems. Winstone Wallboards, in their letter dated 11th June 2014, confirm the -/60/60 FRR Fire Resistance Rating for SRP™ Whisperwall™ provided that the inner layer of 13mm GIB Noiseline® is fastened to the SRP™ Whisperwall™ Acoustic SRP™ Studs in accordance with the SRP™ Product Catalogue and GBS 60 from GIB® Fire Rated Systems specification. In cases, where an additional layer of 10mm GIB Noiseline® is used, the FRR will be maintained and the inner layer of 13mm GIB Noiseline® does not require plaster stopping.

*Project Design Engineer to ensure project-specific design considers all applied loads on the structure including those imposed by SRP™ products.

FIGURE 3 SRP™ Steel Stud Wall Structure



Notes:

- SRP™ Studs - Fastened onto the SRP™ Track using a rotating movement and clicking into position, generally no additional fastening is required.
- SRP™ Whisperwall™ Stud Wall - No fastening to the Top/Bottom SRP™ Track.
- All other walls - Crimping, 8g Tek screw/Pop rivet is allowed except for deflection tracks.
- SRP™ Track width and SRP™ Stud width same, except for SRP™ Staggered Stud walls.
- Minimum SRP™ Track BMT is the BMT of SRP™ Stud.

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TABLE 2

EXPECTED STC AND FRR RATINGS FOR NON LOADBEARING WALLS AS OBTAINED FROM GIB® NOISE CONTROL SYSTEMS AND GIB® FIRE RATED SYSTEMS DOCUMENTS USING SRP™ STEEL 63.5 0.55MM BMT STUDS										
Wall Type	GIB® Specification Number	STC Sound Transmission Class	Rw [dB] Weighted Sound Reduction Index	FRR Fire Resistance Rating	Space Between Frames	Partition Width Including GIB® Plasterboard	GIB® Plasterboard Lining Requirements	Acoustic Insulation		
GIB® Noise Control Systems	Double Steel Stud Frame Walls	GBSA30b	57	-/30/30	79mm min	244mm	1 x 13mm GIB® Standard Plasterboard one side 2 x 13mm GIB® Standard Plasterboard other side	R1.8 [75mm] Pink® Batts® glasswool insulation installed between the studs on one side of the double frame		
		GBSA45	59	-/45/45	25mm min	203mm	2 x 13mm GIB® Standard Plasterboard each side			
		GBSA60c	58	-/60/60	79mm min	241mm	1 x 13mm GIB Fyrelite® one side 2 x 10mm GIB NoiseLine® other side			
		GBSA90c	61	-/90/90	25mm min	203mm	2 x 13mm GIB Fyrelite® each side			
		GBSA90d	68	-/90/90	79mm min	257mm	2 x 13mm GIB NoiseLine® each side			
	Staggered Steel Stud Frame Walls	GBSA30s	55	-/30/30	N/A	131mm	1 x 13mm GIB® Standard Plasterboard one side 2 x 13mm GIB® Standard Plasterboard other side	R1.8 [75mm] Pink® Batts® glasswool insulation installed between the studs		
		GBSA90s	60	-/90/90	N/A	138mm	1 x 13mm and 1 x 10mm GIB NoiseLine® each side			
		GBSA30r	55	-/30/30	N/A	128mm*	2 x 13mm GIB® Standard Plasterboard each side*			
		GBSA60r	54	-/60/60	N/A	116mm*	2 x 10mm GIB NoiseLine® each side*			
		GBSA90r	57	-/90/90	N/A	128mm*	2 x 13mm GIB Fyrelite® each side*			
GIB® Fire Rated Systems	Single Steel Stud Frame Walls	GBS30	STC 34	-/30/30	N/A	DNA	1 layer 13mm GIB® Standard each side	DNA		
		GBS60	STC 34	-/60/60	N/A	DNA	1 layer 13mm GIB Fyrelite® each side			
		GBS90	STC 41	-/90/90	N/A	DNA	1 layer 16mm GIB Fyrelite® each side			
	Double Steel Stud Frame Wall	GBS120a	STC 47	-/120/120	N/A	DNA	2 layers 16mm GIB Fyrelite® each side			
		GBS240	STC 44 [STC 55 insulated**]	-/240/240	DNA	DNA	4 layers 19mm GIB Fyrelite® - All Stud flanges, both row and both [inside and outside-middle gap side] flanges are lined with GIB Fyrelite®			

LEGEND: * with GIB Rail®; ** with one layer 75mm Fibreglass Batts; N/A - Not Applicable; DNA - Data Not Available