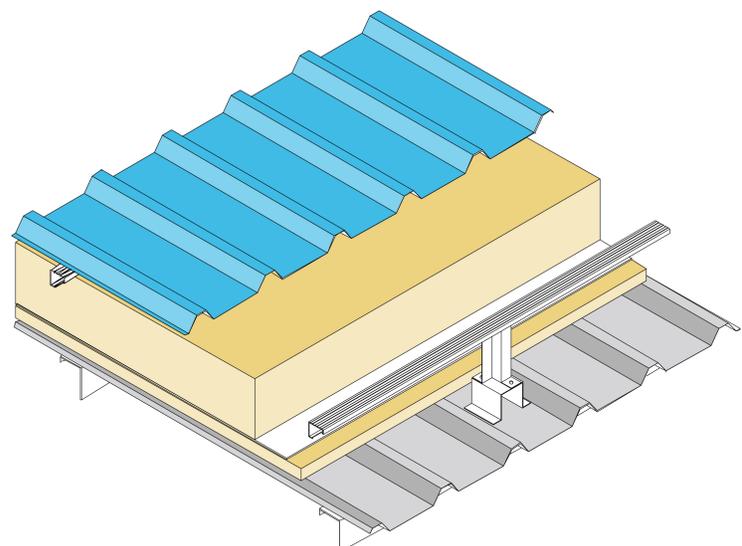
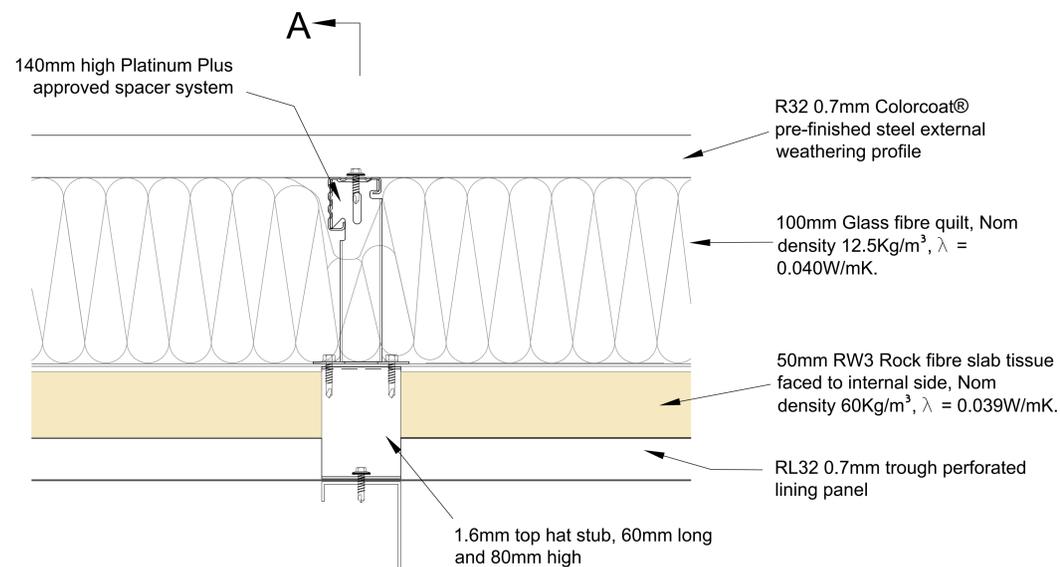


Tata Steel retain the right to amend the construction and technical specifications shown on this drawing without prior notice.

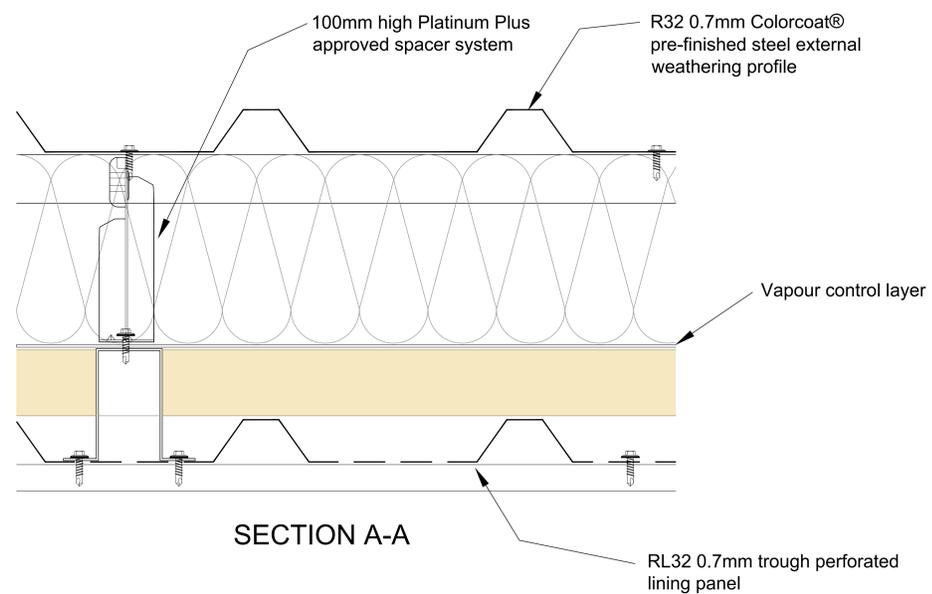


Test Report Ref: L/3142(4) Tested: 30/03/2010

Frequency (Hz)	Sound Absorption	
	Ā _s	Ā ₀
50	0.28	
63	0.57	0.45
80	0.47	
100	0.74	
125	0.94	0.95
160	1.10	
200	1.06	
250	1.24	1.00
315	1.11	
400	1.06	
500	1.09	1.00
630	1.09	
800	1.09	
1000	1.01	1.00
1250	0.83	
1600	0.68	
2000	0.61	0.65
2500	0.63	
3150	0.66	
4000	0.63	0.65
5000	0.69	

Single Figure Rating: Ā_w = 0.75(LM), Sound Absorption Class C

The tested construction is as drawn, deeper spacers and thicker layers of glass fibre quilt can be used for lower U-value requirements, and would not be expected to be detrimental to the acoustic performance.



TRISOBUILD® U-VALUES

The depth below refers to both the minimum bracket & insulation height to achieve the stated 'U' value

PL1000 Liner

Depth 140 = 0.30 W/m²K.
 Depth 160 = 0.26 W/m²K.
 Depth 180 = 0.24 W/m²K.
 Depth 200 = 0.21 W/m²K.
 Depth 220 = 0.19 W/m²K.
 Depth 240 = 0.18 W/m²K.
 Depth 260 = 0.16 W/m²K.
 Depth 280 = 0.15 W/m²K.
 Depth 300 = 0.14 W/m²K.
 Depth 320 = 0.13 W/m²K.
 Depth 340 = 0.12 W/m²K.
 Depth 360 = 0.11 W/m²K.
 Depth 380 = 0.11 W/m²K.
 Depth 400 = 0.10 W/m²K.

RL32 Liner

Depth 140 = 0.32 W/m²K.
 Depth 160 = 0.28 W/m²K.
 Depth 180 = 0.25 W/m²K.
 Depth 200 = 0.22 W/m²K.
 Depth 220 = 0.20 W/m²K.
 Depth 240 = 0.18 W/m²K.
 Depth 260 = 0.17 W/m²K.
 Depth 280 = 0.16 W/m²K.
 Depth 300 = 0.15 W/m²K.
 Depth 320 = 0.13 W/m²K.
 Depth 340 = 0.13 W/m²K.
 Depth 360 = 0.11 W/m²K.
 Depth 380 = 0.11 W/m²K.
 Depth 400 = 0.10 W/m²K.



Building Systems UK

A Tata Steel enterprise

Technical Office - TEL : 01244 892199
www.buildingsystemsuk.co.uk

PROJECT

Typical Trisobuild
R Detail

TITLE
Sound Absorption System -
Perforated RL32 without Trough Infill

DRAWN BY
LK

SCALE
NTS

APPROVED BY
PS

TOLERANCES

DATE
02/06/23

DRG. No.
R1-046-01

All support steelwork by
others