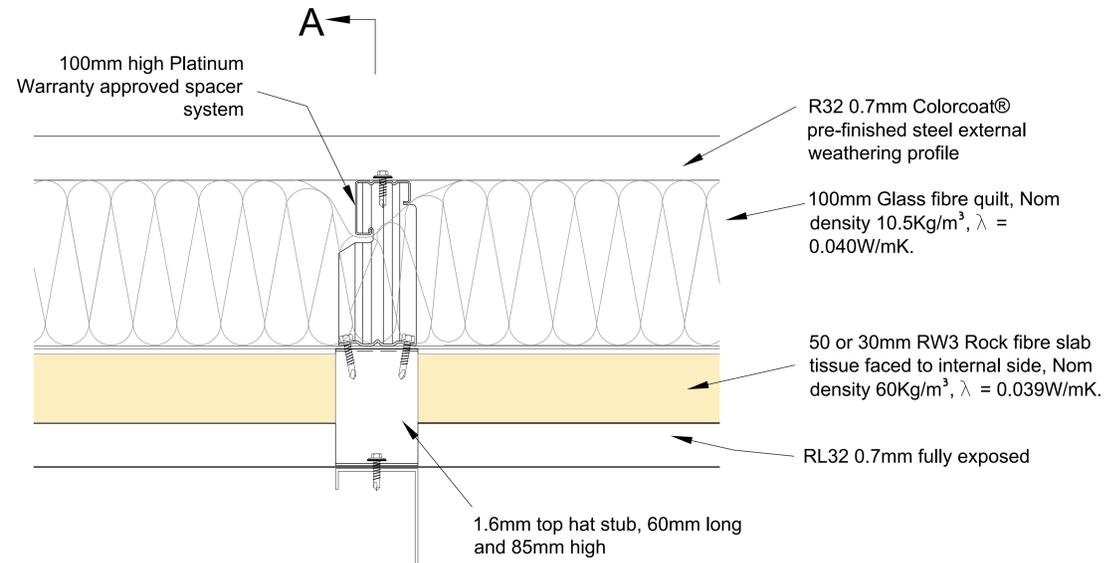


Tata Steel retain the right to ammend the construction and technical specifications shown on this drawing without prior notice.

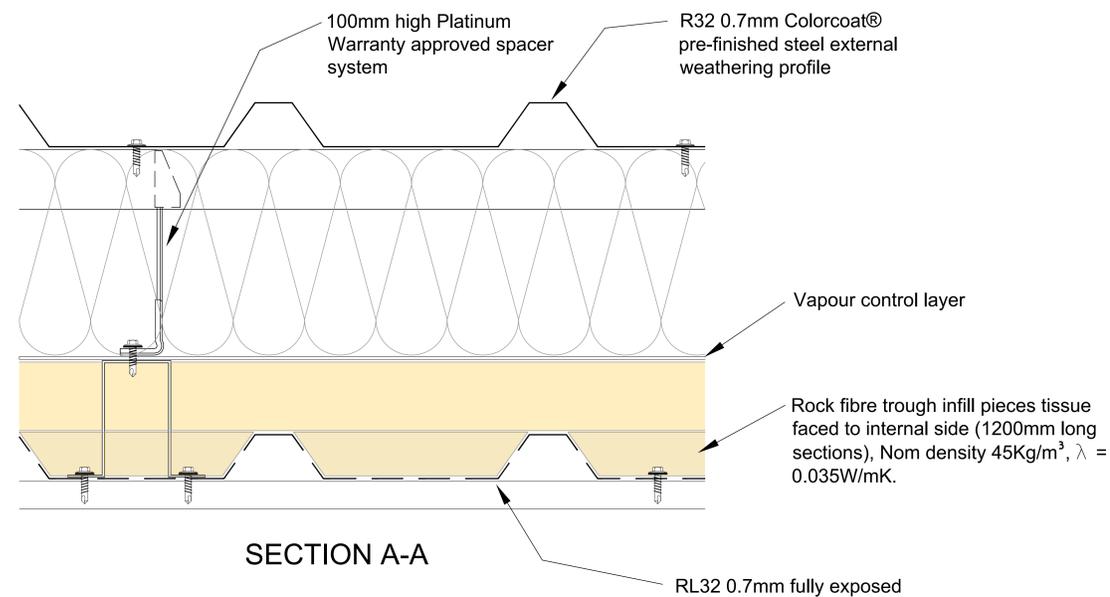
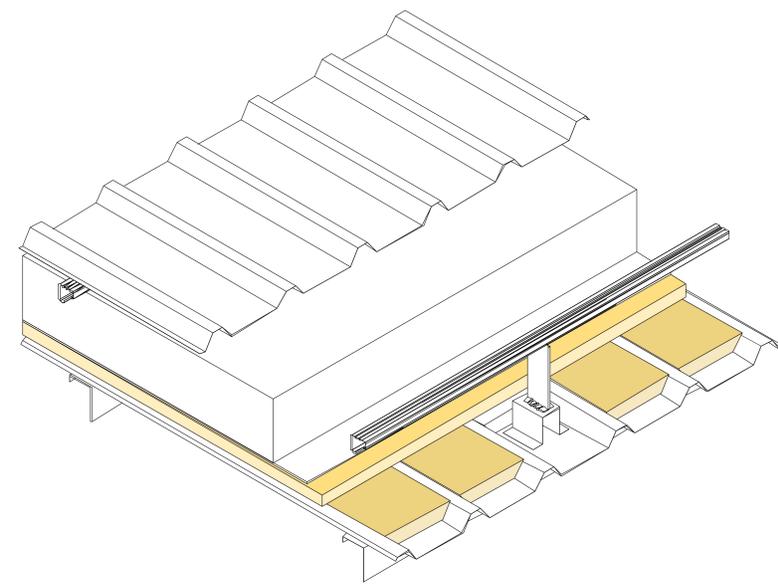


Test Report Ref: L/3142(1) Tested: 30/03/2010

Frequency (Hz)	Sound Absorption	
	\bar{A}_s	\bar{A}_D
50	0.30	
63	0.49	0.45
80	0.46	
100	0.72	
125	0.97	0.95
160	0.97	
200	1.16	
250	1.07	1.00
315	1.18	
400	1.09	
500	1.05	1.00
630	1.10	
800	1.02	
1000	1.04	1.00
1250	1.08	
1600	1.05	
2000	1.05	1.00
2500	1.06	
3150	1.07	
4000	1.02	1.00
5000	1.08	

Single Figure Rating: $\bar{A}_w = 1.00$, Sound Absorption Class A

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™ BUILT UP U-VALUES

The depth below refers to both the top spacer bracket & quilt insulation height and assumed purlin centres of 1800mm and bracket centres of 1000mm

- Depth 100 = 0.23 W/m²K.
- Depth 120 = 0.20 W/m²K.
- Depth 140 = 0.19 W/m²K.
- Depth 180 = 0.16 W/m²K.



Building Systems UK
A Tata Steel enterprise

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PROJECT

Typical Trisobuild
Built Up Roof Details

TITLE

Sound Absorbtion System -
Expamet RL32 with trough infill

DRAWN BY

LK

SCALE

NTS

APPROVED BY

PS

TOLERANCES

DATE

02/06/23

DRG. No.

R1-046-04

All support steelwork by
others

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