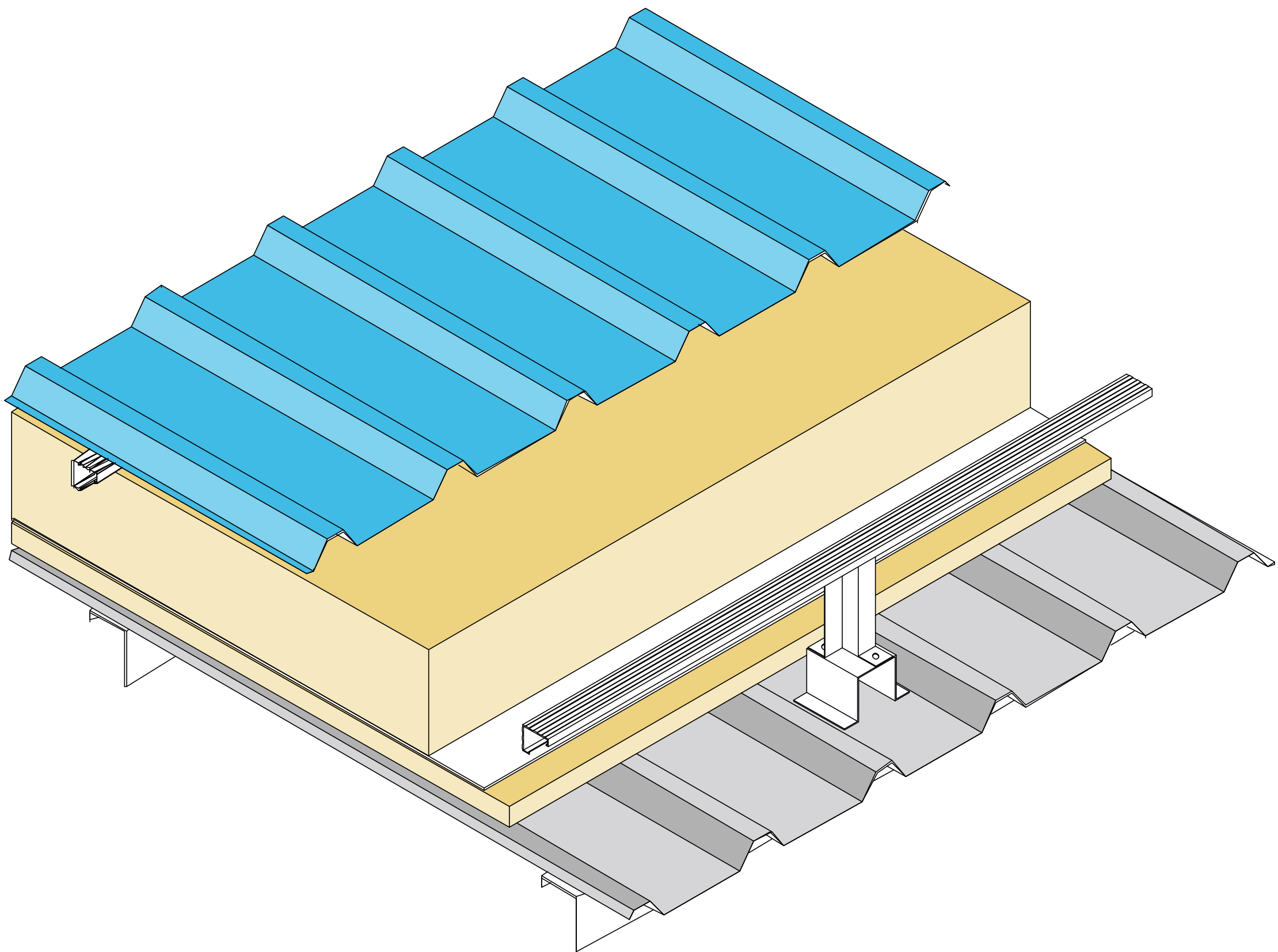
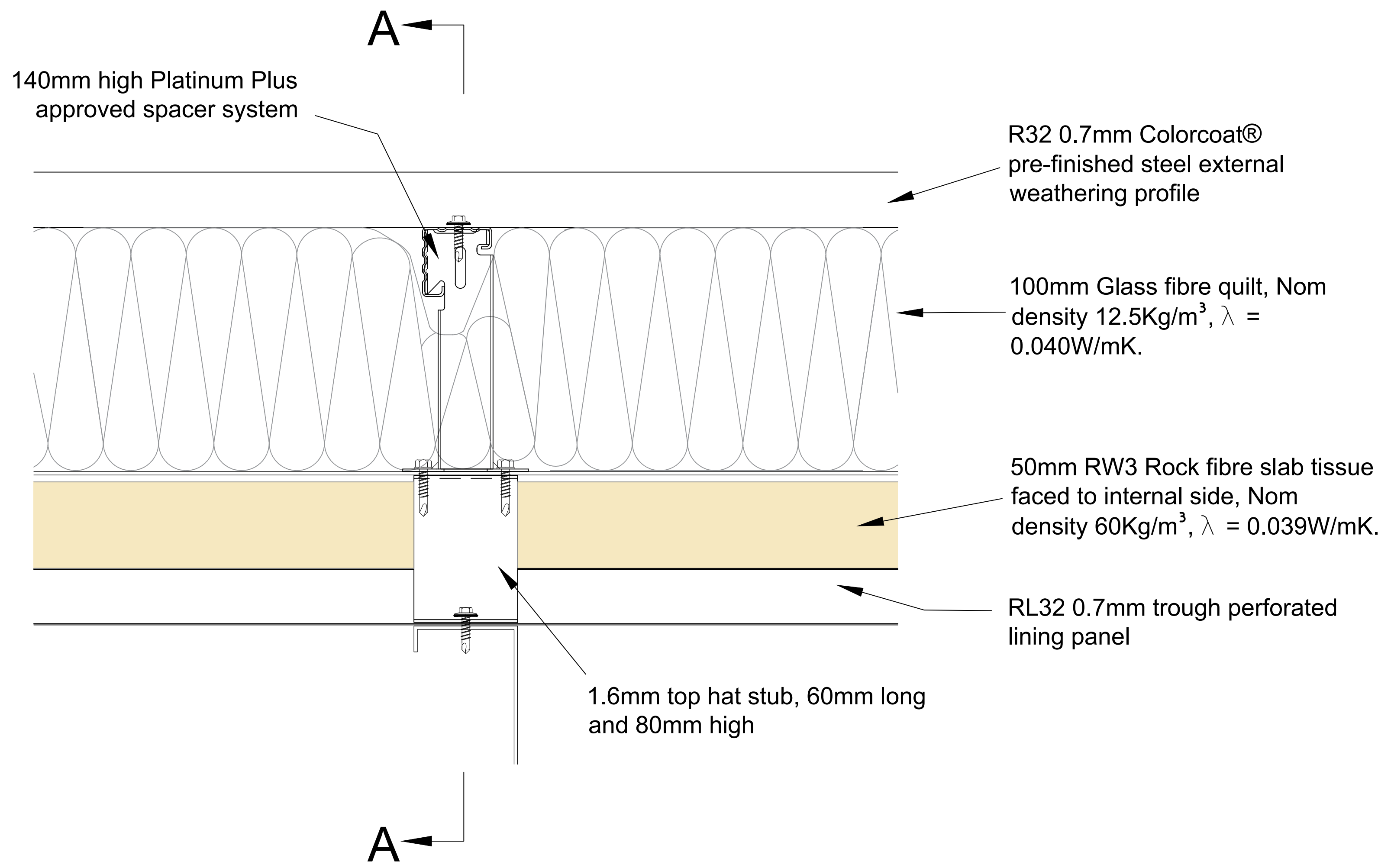


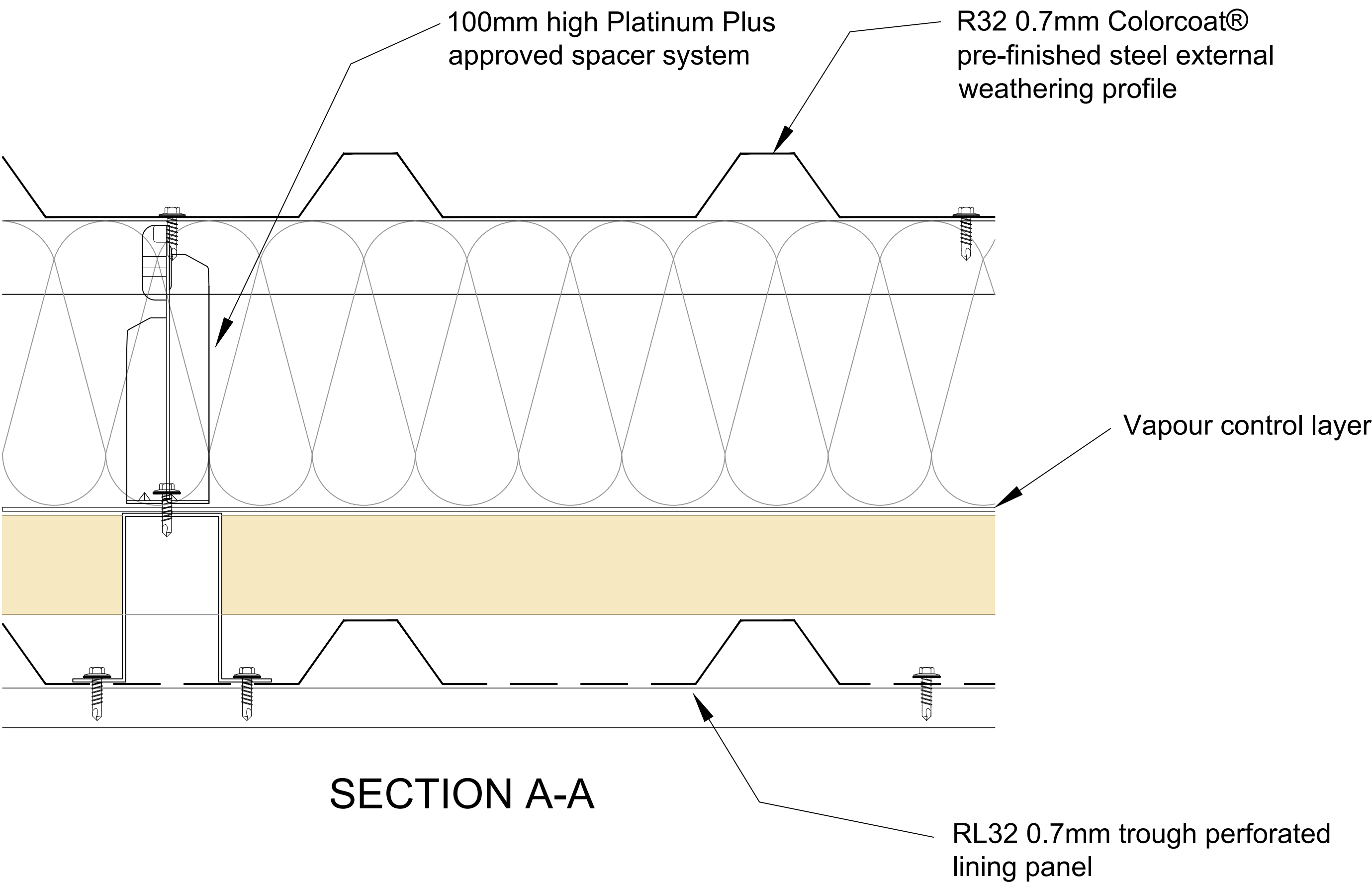
Tata Steel retain the right to ammend the construction and technical specifications shown on this drawing without prior notice.



Frequency (Hz)	Sound Absorption	
	$\bar{\alpha}_s$	$\bar{\alpha}_p$
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: $\bar{\alpha}_w = 0.75(\text{LM})$, 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	RL32 Liner
Depth 140 = 0.30 W/m²K.	Depth 140 = 0.32 W/m²K.
Depth 160 = 0.26 W/m²K.	Depth 160 = 0.28 W/m²K.
Depth 180 = 0.24 W/m²K.	Depth 180 = 0.25 W/m²K.
Depth 200 = 0.21 W/m²K.	Depth 200 = 0.22 W/m²K.
Depth 220 = 0.19 W/m²K.	Depth 220 = 0.20 W/m²K.
Depth 240 = 0.18 W/m²K.	Depth 240 = 0.18 W/m²K.
Depth 260 = 0.16 W/m²K.	Depth 260 = 0.17 W/m²K.
Depth 280 = 0.15 W/m²K.	Depth 280 = 0.16 W/m²K.
Depth 300 = 0.14 W/m²K.	Depth 300 = 0.15 W/m²K.
Depth 320 = 0.13 W/m²K.	Depth 320 = 0.13 W/m²K.
Depth 340 = 0.12 W/m²K.	Depth 340 = 0.13 W/m²K.
Depth 360 = 0.11 W/m²K.	Depth 360 = 0.11 W/m²K.
Depth 380 = 0.11 W/m²K.	Depth 380 = 0.11 W/m²K.
Depth 400 = 0.10 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 Absorbtion 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