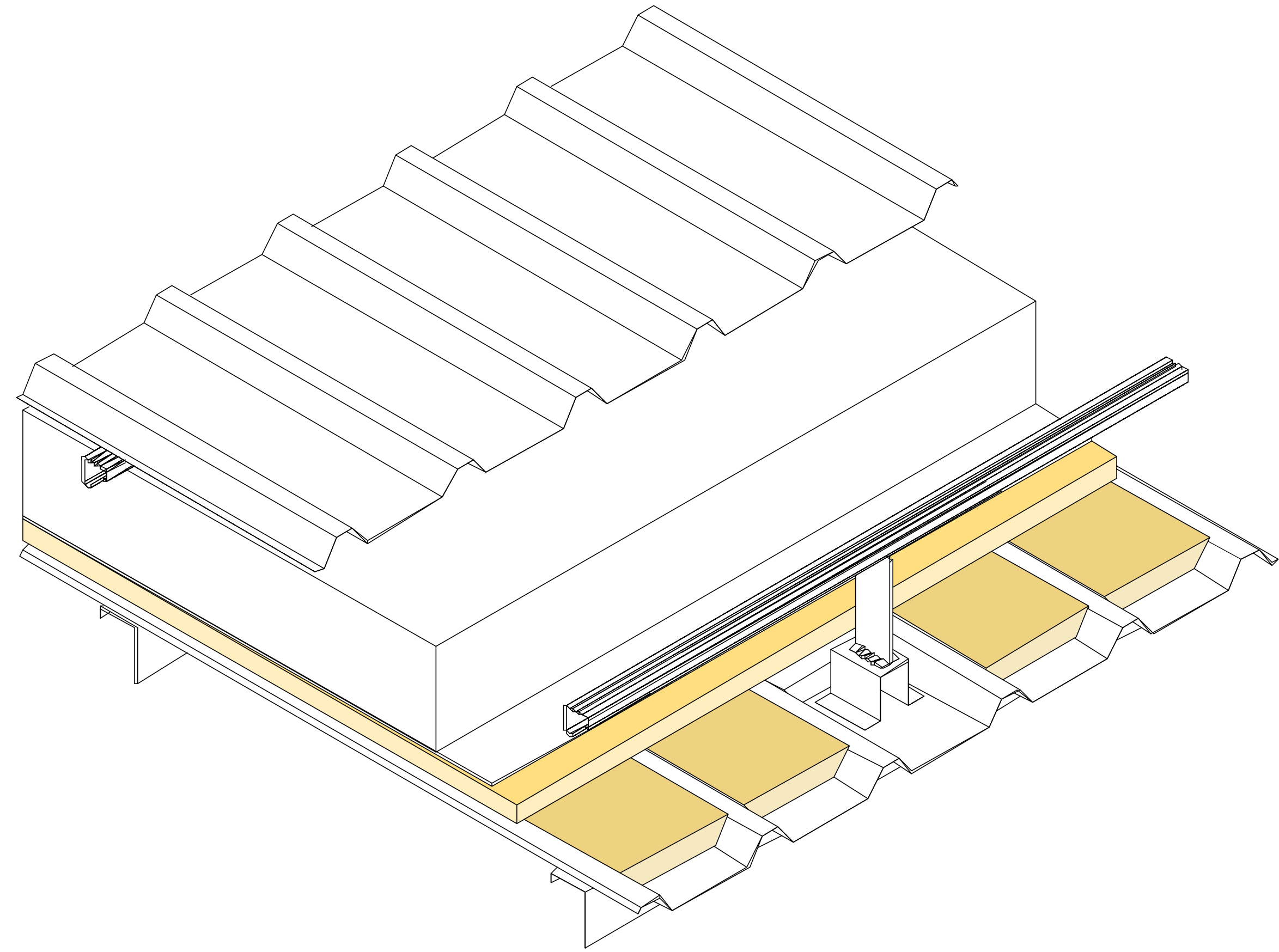
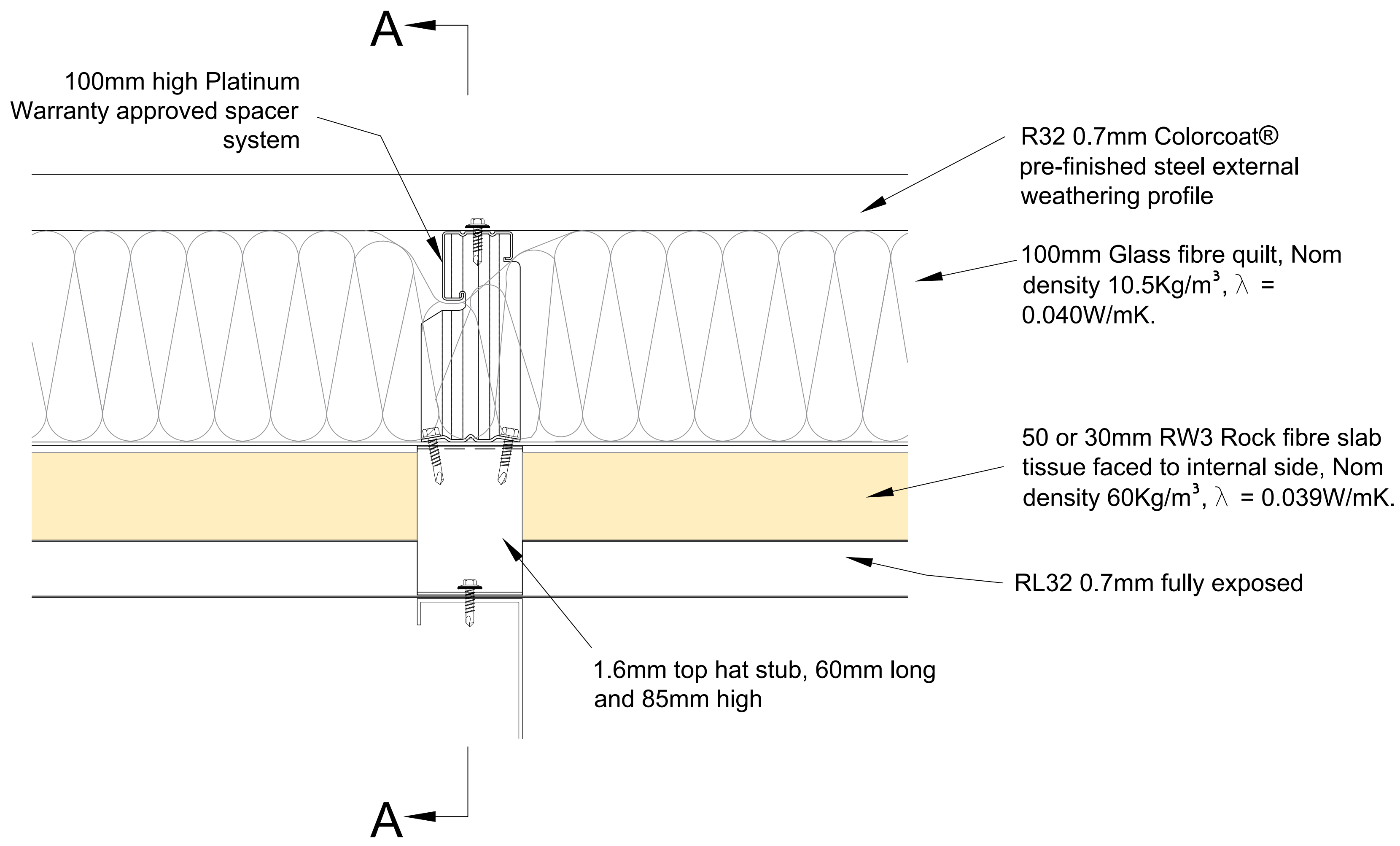


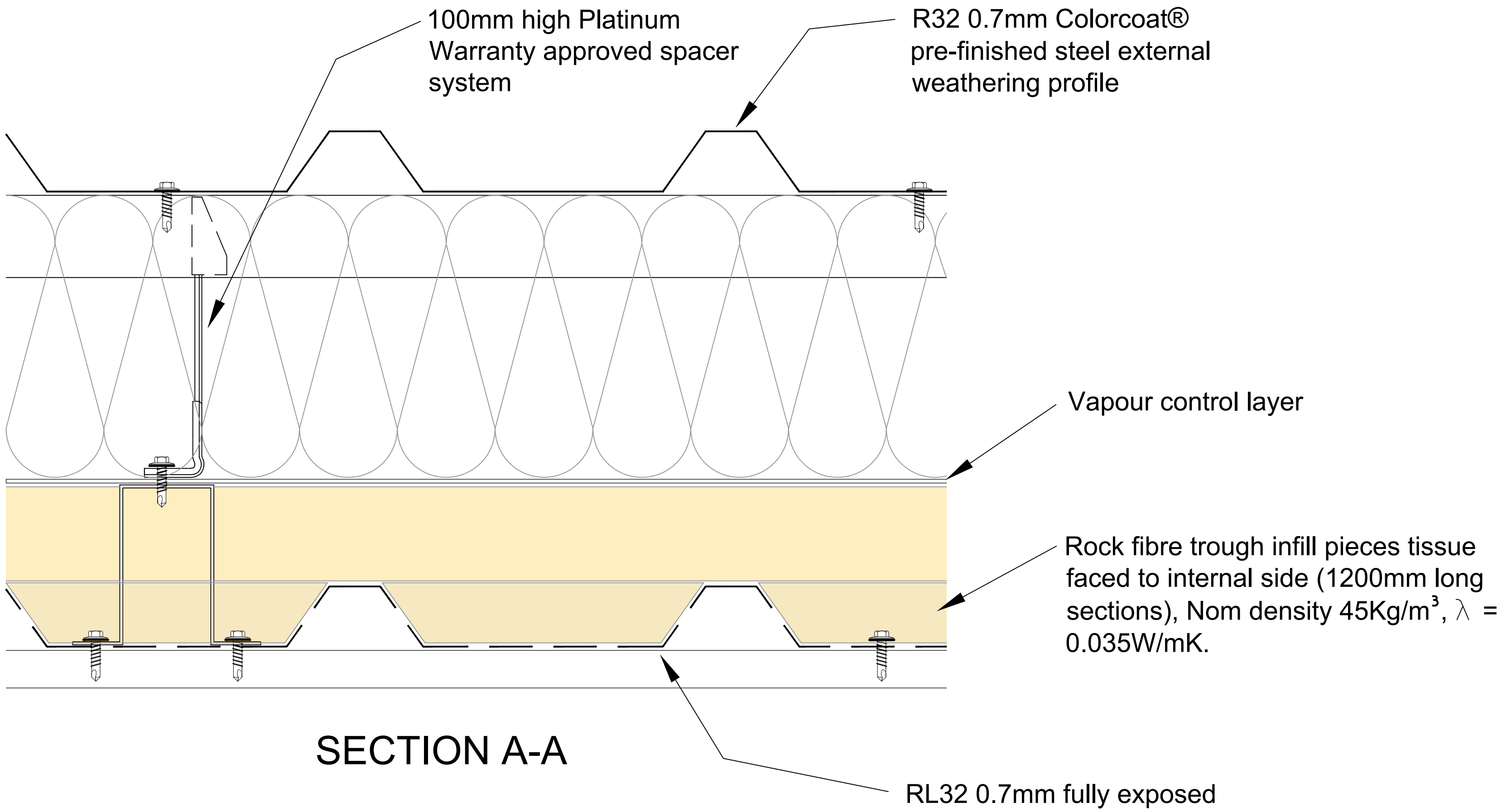
Tata Steel retain the right to ammend the construction and technical specifications shown on this drawing without prior notice.



Frequency (Hz)	Sound Absorption	
	$\bar{\alpha}_s$	$\bar{\alpha}_o$
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:  $\bar{\alpha}_w = 1.00$ , 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/m<sup>2</sup>K.  
Depth 120 = 0.20 W/m<sup>2</sup>K.  
Depth 140 = 0.19 W/m<sup>2</sup>K.  
Depth 180 = 0.16 W/m<sup>2</sup>K.



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	SCALE
LK	NTS
APPROVED BY	TOLERANCES
PS	
DATE	DRG. No.
02/06/23	R1-046-04

All support steelwork by  
others