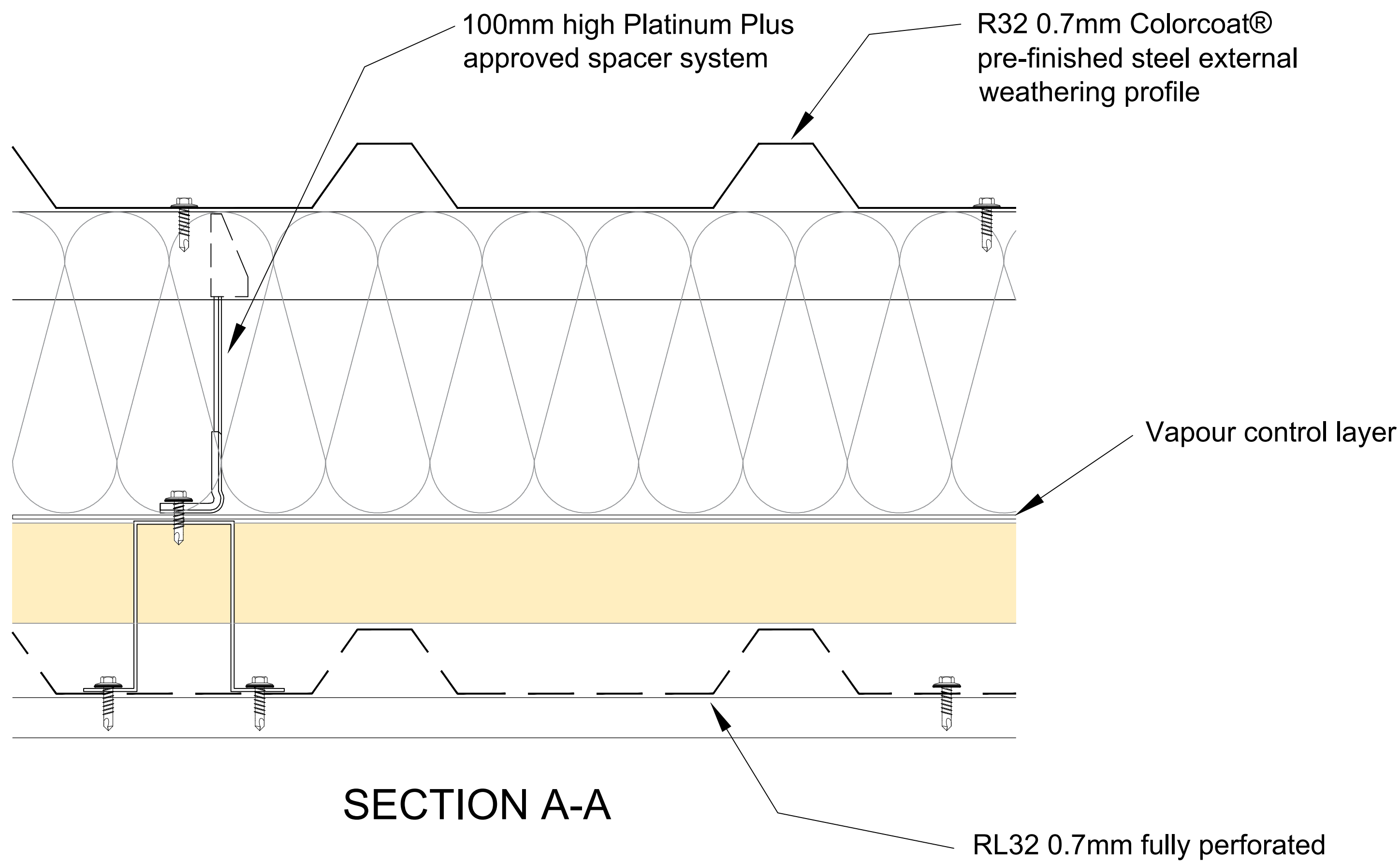
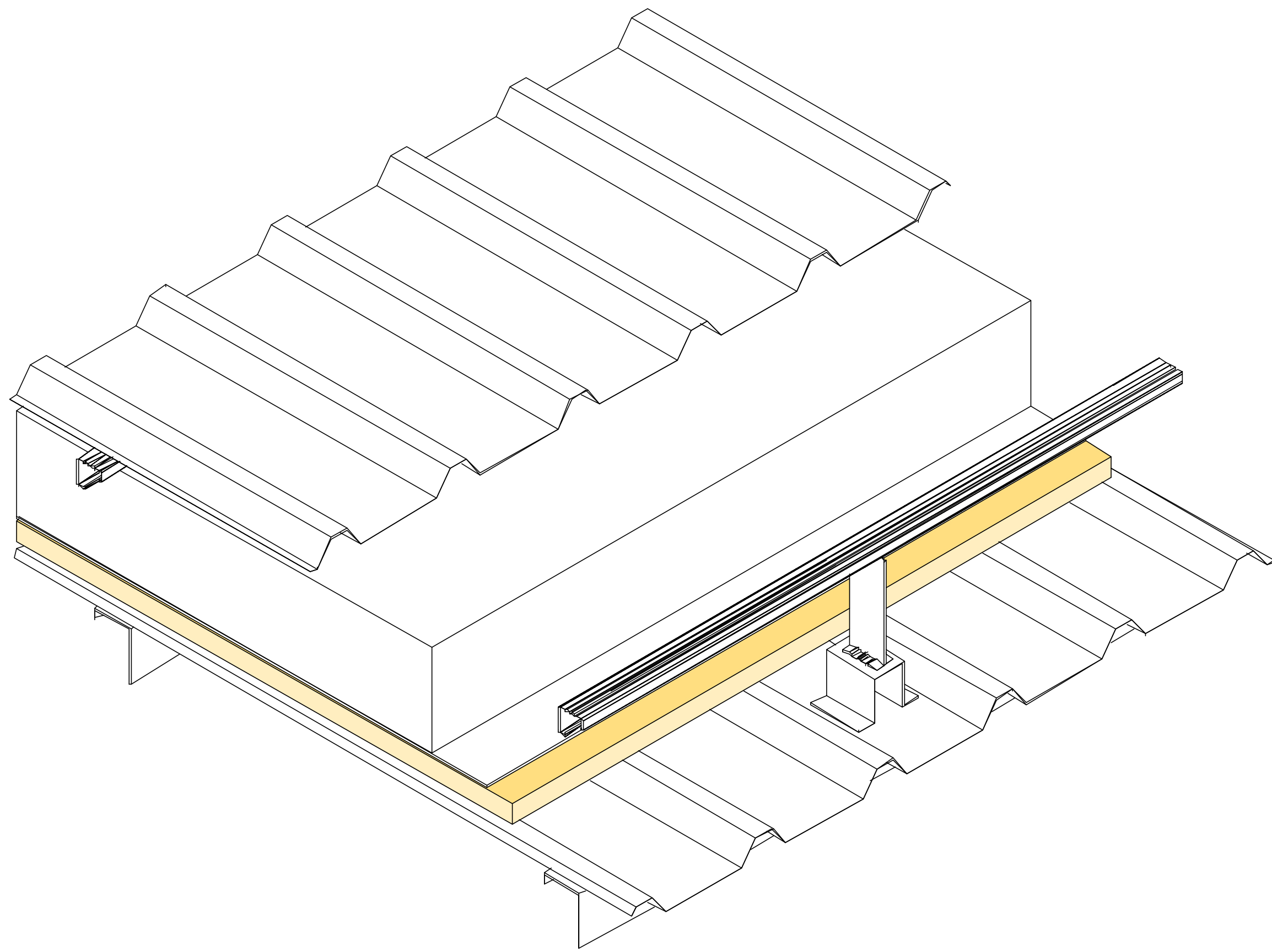
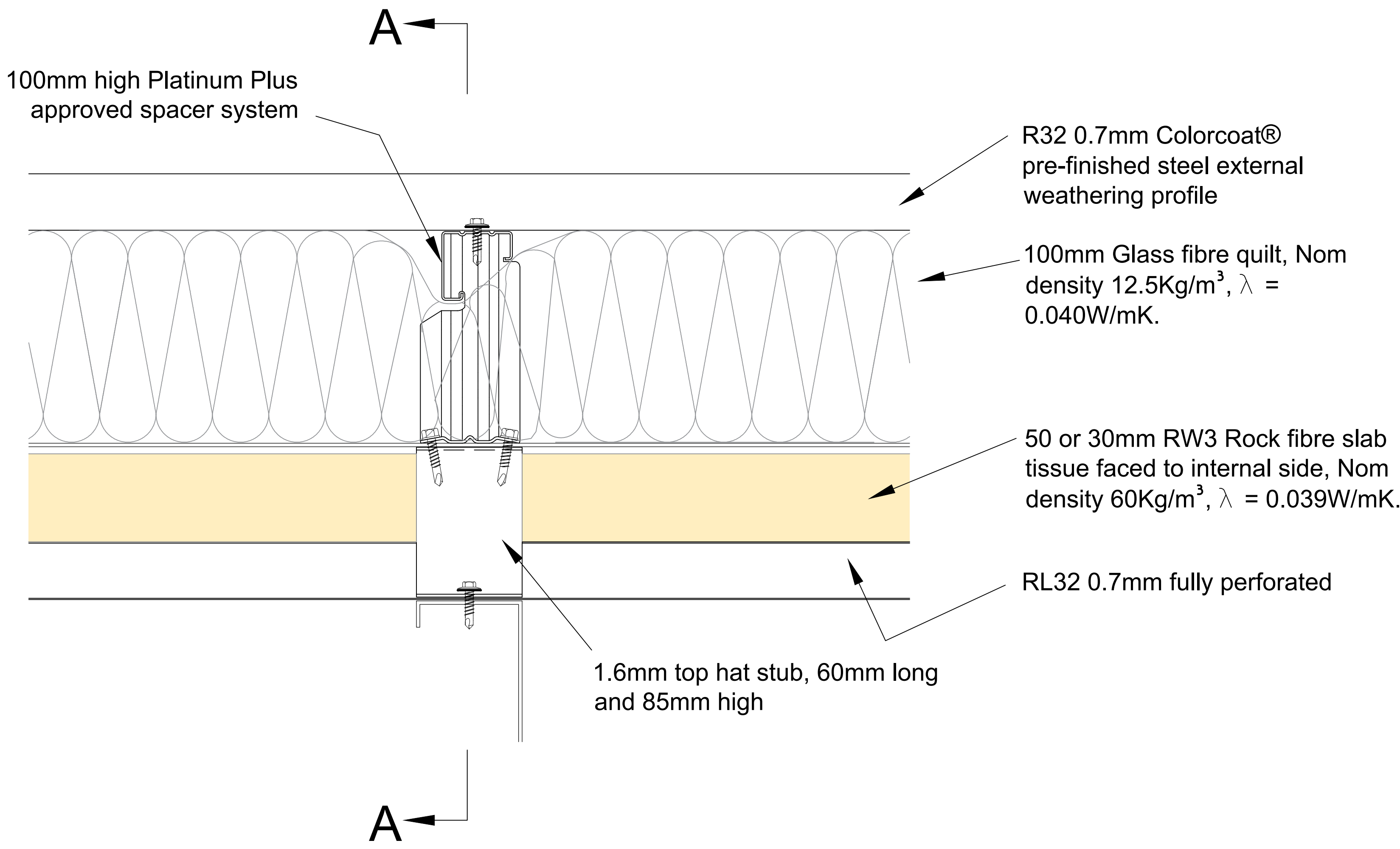


Tata Steel retain the right to ammend the construction and technical specifications shown on this drawing without prior notice.



Frequency (Hz)	Sound Absorption	
	$\bar{\alpha}_e$	$\bar{\alpha}_p$
50	0.31	
63	0.40	0.40
80	0.34	
100	0.63	
125	0.89	0.95
160	1.05	
200	1.11	
250	1.10	1.00
315	1.13	
400	1.10	
500	1.09	1.00
630	1.05	
800	1.02	
1000	0.99	1.00
1250	1.02	
1600	1.01	
2000	0.98	1.00
2500	0.98	
3150	1.04	
4000	1.01	1.00
5000	1.02	

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/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

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

PROJECT

Typical Trisobuild  
Built Up Roof Detail

TITLE

Sound Absorbtion System -  
Expament RL32 without trough infill

DRAWN BY	LK	SCALE	NTS
----------	----	-------	-----

APPROVED BY	PS	TOLERANCES
-------------	----	------------

DATE	02/06/23	DRG. No.	R1-046-03
------	----------	----------	-----------

All support steelwork by  
others