

ROOF SPECIFICATION

THE RIVER-THERM® INPLANE ROOFLIGHT SYSTEM DESCRIBED BELOW PROVIDES U-VALUES OF 1.80-1.00W/m²K DEPENDING ON INTERMEDIATE CORE. ONCE INSTALLED AS OUTLINED IN THE RELEVANT INSTALLATION GUIDE (SEE SPECIFICATION DRAWINGS FOR REFERENCES) IS NON-FRAGILE FOR BOTH LINER PANEL AND FULL SYSTEM CONSTRUCTION IN ACCORDANCE WITH THE HSE MATERIALS STANDARD ACR(M)001:2005 'TEST FOR NON-FRAGILITY OF PROFILED SHEETED ROOFING ASSEMBLIES (THIRD EDITION)'.

ROOF FIXING ARRANGEMENT

LINER PANEL: THE T-LIGHT 32 1000 2.44kg/m² (8oz) LINER ROOFLIGHTS WILL SELF CURVE TO A RADIUS OF 30 METRES. THE LINER PANEL IS FIXED TO CRS PURLINS WITH TSC20A29 SELF-DRILLING FASTENERS AND AT THE GUTTER (EAVES PURLIN) OR HRS PURLINS USING TSL36A29 AS REQUIRED. 8No AT ALL END LAPS, 5No AT INTERMEDIATES AND 8No AT EAVES (ALWAYS FOLLOW INSTALLATION GUIDE FOR FIXING POSITIONS SO NOT TO COMPROMISE THE SPACER SYSTEM). ALL END LAPS TO BE SEALED WITH T-STRIP 6x5 BUTYL SEALANT AND ALL SIDE LAPS WITH T-FOIL PLUS (INSTALLED OVER METAL LINER PANEL ON BOTH SIDES).

LINER PANEL RIDGE: IF REQUIRED THE METAL T-CRANK RIDGES TO BE INSTALLED OVER THE ROOFLIGHT LINER PANELS AND NOT BELOW AND FIXED AND SEALED AS PER THE LINER PANEL. ENSURE THE THERMA-QUILT INSULATION IS CONTINUOUS OVER THE RIDGE.

SPACER SYSTEM: REFER TO THE TABLE 1 FOR COMPONENTS AND RELEVANT SPECIFICATION DRAWING AND INSTALLATION GUIDE FOR FIXING METHODS.

TABLE 1

RIVER-THERM® U-VALUE (W/m²K)	DRAWING NO	T-STOOL (REF)	BLOCK (REF)	BAR (REF)	FIXING (REF)		INSULATION (REF)	INSULATION CLOSURE FLASHING (REF)	DEPTH 'A' (mm)
					CRS	HRS			
0.25	RT-SDR-01	-	T-BLOCK 100	T-BAR 61R PLUS	TTC132	TTL145	TQ200R	IRF-178	175
0.20	RT-SDR-02	T-STOOL 95	T-BLOCK 50	T-BAR 62R PLUS	TTC81	-	TQ130R x 2	IRF-198	220
0.16	RT-SDR-03	T-STOOL 95	T-BLOCK 100	T-BAR 62R PLUS	TTC132	-	TQ180R + TQ130R	IRF-248	270

INTERMEDIATE ROOFLIGHT: THE T-LIGHT INTERMEDIATE ROOFLIGHT - SEE TABLE 2 (ALSO REFER TO DRAWING T-LIGHT TCH FOR DIFFERENT U-VALUES) IS LAID OVER THE T-LIGHT LT 32 1000 LINER PANEL ROOFLIGHTS. THE T-LIGHT TCH-04 & 10 INTERMEDIATE CORE'S TO BE FACTORY NOTCHED TO SUIT THE T-BLOCKS AT DOWNSLOPE PURLIN POSITIONS.

TABLE 2

USING HAMBLESIDE DANELAW ROOFLIGHTS		
U-VALUE (W/m²K)	INTERMEDIATE LIGHT REFERENCE & THICKNESS	
1.80	TCH-04	4mm
1.30	TCH-10	10mm
1.40	TCH-20	20mm
1.20	TCH-40	40mm
1.00	TCH-80	80mm

REFER TO THERMA-CORE COMPONENT DRAWINGS FOR INSTALLATION & ORDERING PARAMETERS OF INTERMEDIATE ROOFLIGHT

UNDER NO CIRCUMSTANCES IS THIS TO BE AMENDED OR CHANGED WITHOUT THE APPROVAL OF CA BUILDING PRODUCTS TECHNICAL DEPARTMENT

R/L SUPPORT FLASHINGS: THE IPS-01 GALVANISED STEEL SUPPORT FLASHING SHOULD BE LAYED CONTINUOUS THE FULL LENGTH OF THE BARREL ROOFLIGHTS, LAPPED 50mm AT FLASHING ENDS. THE IPS-01 SUPPORTS SHOULD BE SECURED TO THE T-BAR PLUS WITH 2No TSC20G19 FIXINGS PER BAR. THE IPCF-01 SHOULD BE INSERTED TO PREVENT ANY RISK OF WIND DRIVEN RAIN.

TOP SHEET: T-LIGHT RT1000RL SUPERMAX 4.5kg/m² (15OZ) ROOFLIGHT LAID OVER HARDPAK HIGH RIDGIDITY FILLERS AT EVERY BAR LOCATION AND CROWN FIXED WITH CSSC82A19 (40 SUREHARD) POPPY RED SELF-DRILLING STAINLESS STEEL FASTENERS 3 No PER PANEL AS INDICATED. SIDE LAPS FIXED @ 300MM CTRS WITH CSSC28/16 POPPY RED SELF-DRILLING STAINLESS STEEL FASTENERS TO THE IPS-01 SUPPORTS. ALL SIDE LAPS TO BE SEALED WITH A CONTINUOUS RUN OF THERMA-STRIP 6x5 SEALANT. END LAPS TO BE SEALED WITH TWO RUNS OF THERMA-STRIP 6x5 SEALANT AND ONE RUN OF THERMA-STRIP 18x4V AT THE FIXING POSITION (PLUS A BEAD OF SILICONE SEALANT TO STOP DEBRIS BUILD-UP).

FLASHINGS: ALL EXTERNAL FLASHINGS TO BE MANUFACTURED FROM THE SAME BATCH OF MATERIAL USED TO PRODUCE THE TOP SHEET (WHERE MILL FINISH, STUCCO EMBOSSED OR PVDF COATED ALUMINIUM IS USED) TO ENSURE COLOUR MATCHING AND UNIFORM WEATHERING. ALL EXTERNAL FLASHINGS ARE TO BE SEALED AND STITCHED. SIDE AND END LAPS TO BE SEALED USING T-STRIP 9x3 BUTYL SEALANT.

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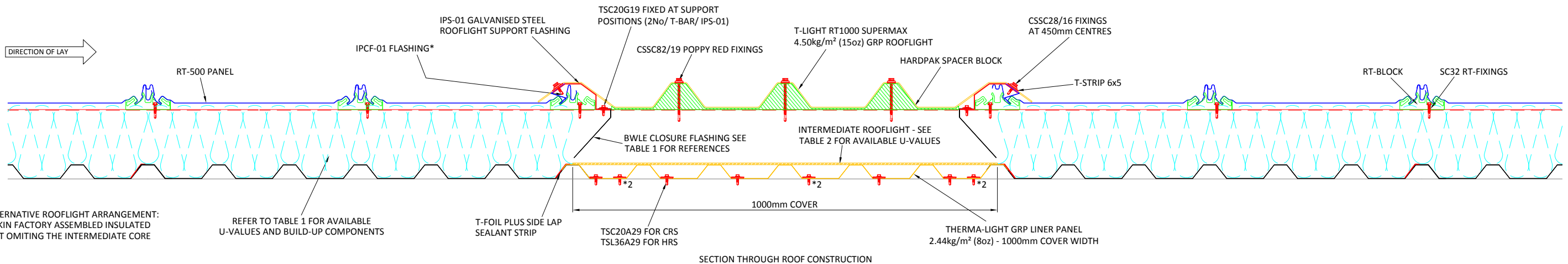
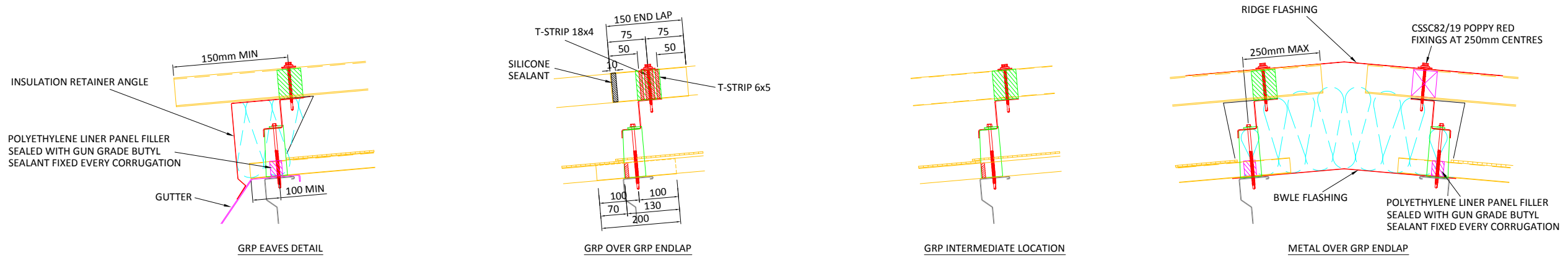
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CA BUILDINGS PRODUCTS' ROOF AND WALL CLADDING SYSTEMS TO BE INSTALLED TO SECONDARY STEELWORK IN ACCORDANCE WITH SCI PUBLICATION 'P346 - BEST PRACTICE FOR THE SPECIFICATION AND INSTALLATION OF METAL CLADDING AND SECONDARY STEELWORK'.

ALL CA BUILDINGS PRODUCTS' PROFILES ARE CE MARKED IN COMPLIANCE WITH EN 14782: 2006

*1 REFER TO CABP TECHNICAL NOTE TN-33 'THIN GAUGE PURLINS' FOR MINIMUM THICKNESSES OF PURLINS AND CLADDING RAILS.

T-LIGHT LINER PANEL FIXINGS - 5No REQUIRED AT INTERMEDIATE LOCATIONS
*2 ADDITIONAL LINER FIXINGS REQUIRED AT LAPS & EAVES (8No TOTAL)



NOTE: ALTERNATIVE ROOFLIGHT ARRANGEMENT: DOUBLE SKIN FACTORY ASSEMBLED INSULATED ROOFLIGHT OMITTING THE INTERMEDIATE CORE

REFER TO TABLE 1 FOR AVAILABLE U-VALUES AND BUILD-UP COMPONENTS



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TITLE:
RIVER-THERM® INPLANE ROOFLIGHT UTILISING T-LIGHT RT1000 SUPERMAX LIGHT FOR USE ON PROJECTS WHERE ROOFLIGHT ENDLAPS ARE GREATER THAN 2.5 DEGREES

CA BUILDING PRODUCTS 0.25 - 0.16W/m²K U-VALUE ROOF SPECIFICATION

REVISIONS:

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