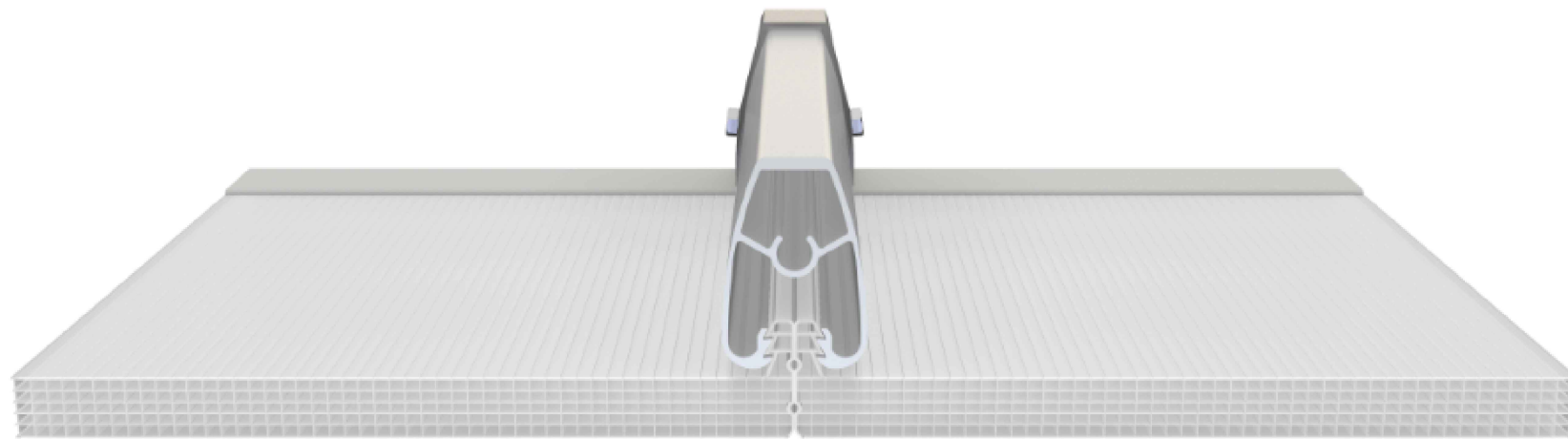


DANPAL SOLARSPACE ROOF SYSTEM

with DANPALON[®] Multicell Panels



GENERAL NOTES

DRAWING INFORMATION:

This drawing set is only applicable to the standard Danpal SolarSpace Roof System using Danpalon[®] Multicell panels and related accessories. © Copyright 2020 Danpal Australia Pty Ltd.

ROOF PITCH:

Danpal roof systems require a fall for water runoff and drainage. The sub-structure must be designed so as to incorporate a recommended minimum 5° pitch. (An absolute minimum pitch of 3° is required.)

Should a lower pitch be required, please consult Danpal Australia to discuss options.

FLASHINGS AND SEALANT:

Any flashings shown are indicative only. Suitable flashings should be designed and installed to ensure water runoff is adequately controlled and directed to suitable drainage provisions.

If required, only use neutral cure non-acetic silicone that is polycarbonate compatible.

Flashings and sealant are not supplied by Danpal.

SUB-STRUCTURE:

The sub-structure must be suitably designed by an engineer to withstand expected wind loads and should be designed to provide suitable support to the Danpal System, ensuring that Danpal maximum spans are not exceeded.

WARRANTY:

All Danpal materials are covered against defects by a 10 Year Commercial Limited Warranty. For further details or for project-specific warranty variations, please consult Danpal Australia.

DANPAL[®] STANDARD DETAILS ARE INTENDED ONLY AS A GUIDE FOR PROJECT-SPECIFIC ENGINEERING DOCUMENTATION BY AN APPROPRIATELY QUALIFIED ENGINEER.



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Sheet Title:
TITLE PAGE AND GENERAL NOTES

Drawing Series:
DANPAL SOLARSPACE ROOF STANDARD DETAILS

Drawn:
HL

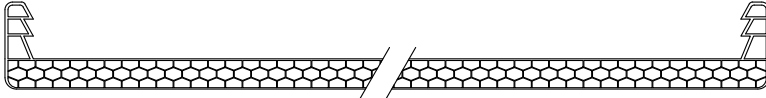
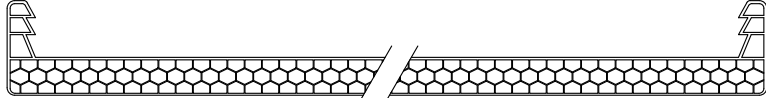
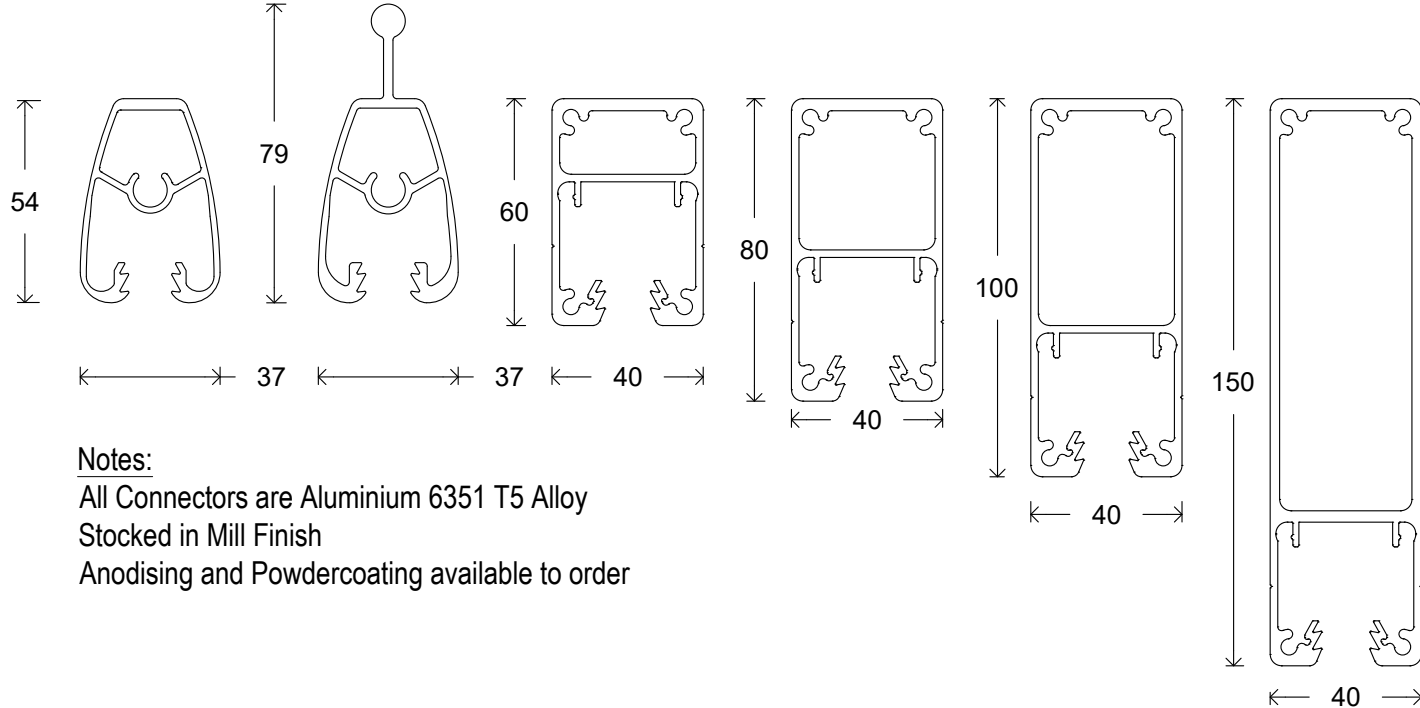
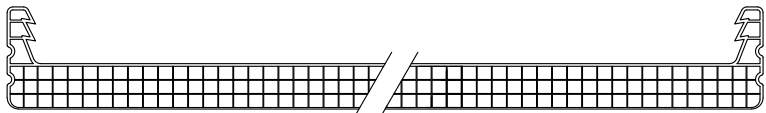
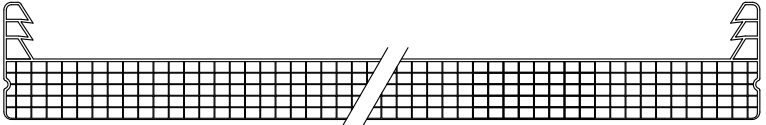

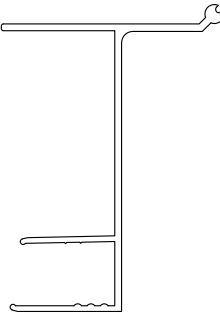
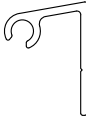
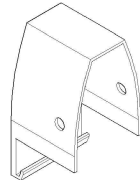
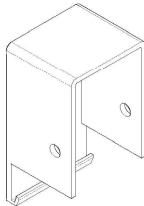
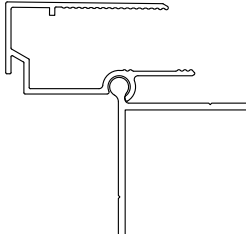

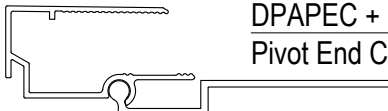
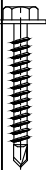



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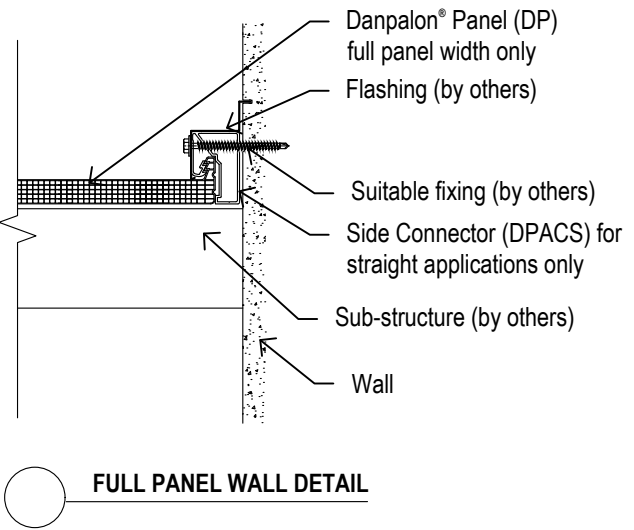
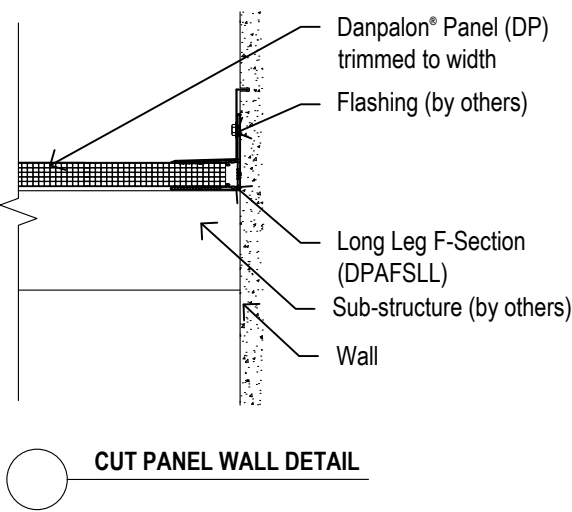
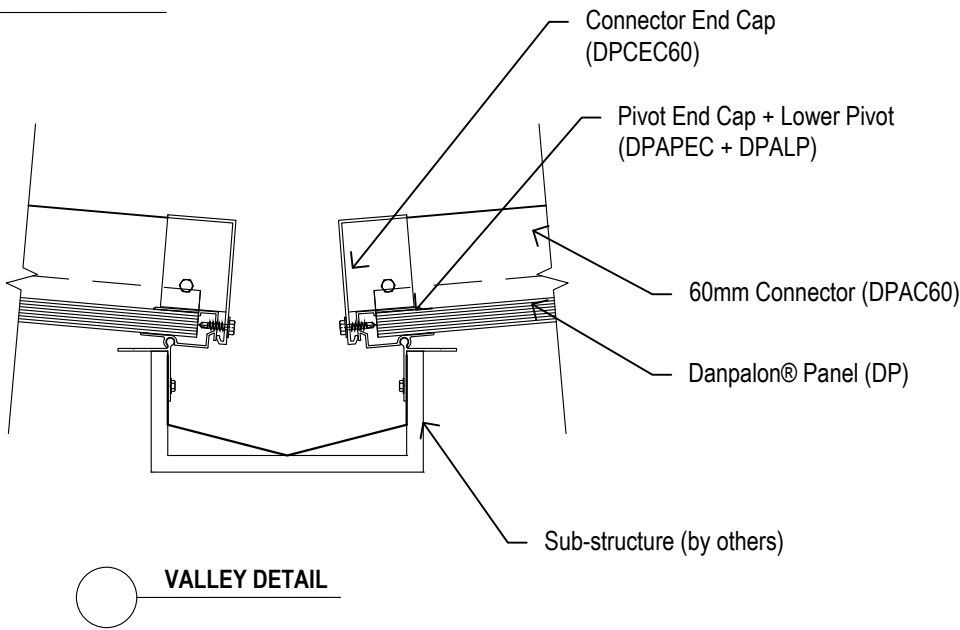
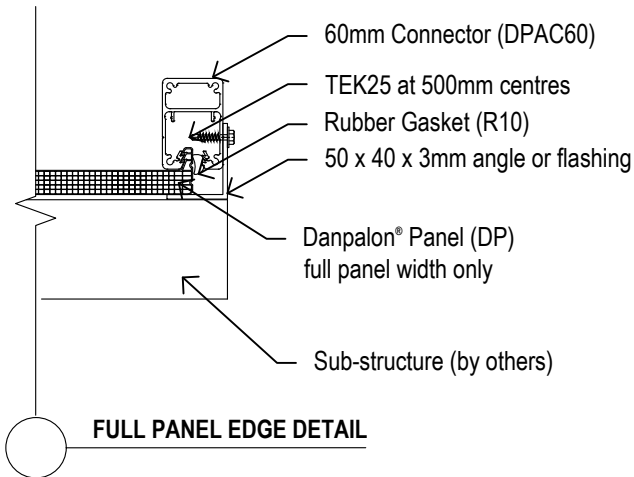
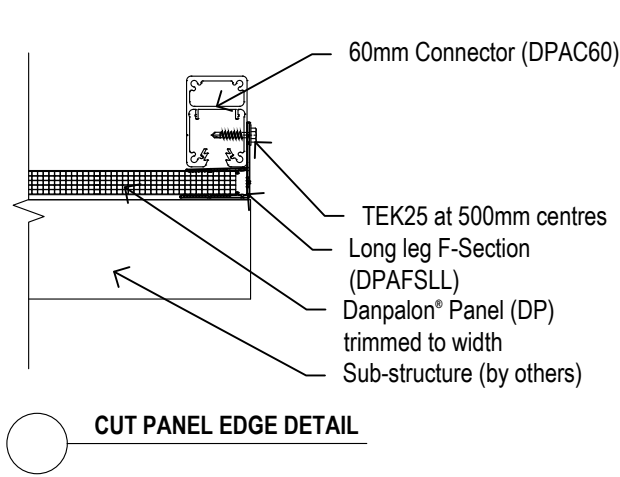
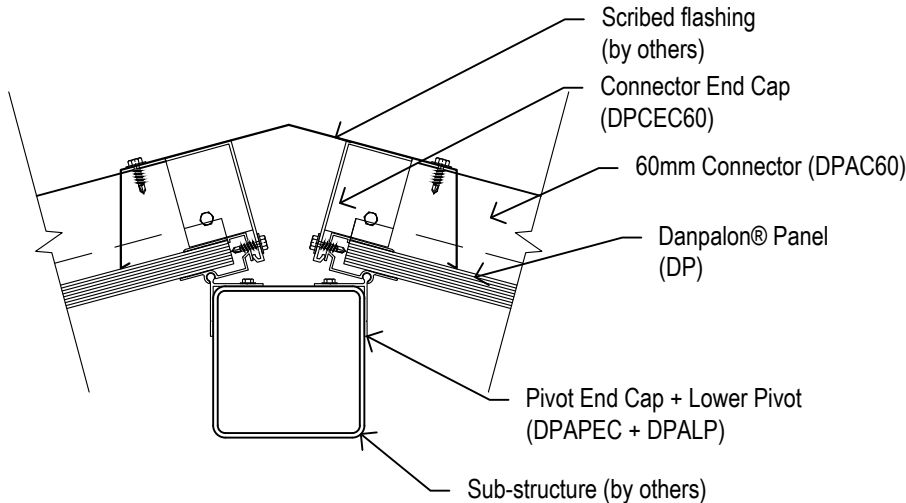
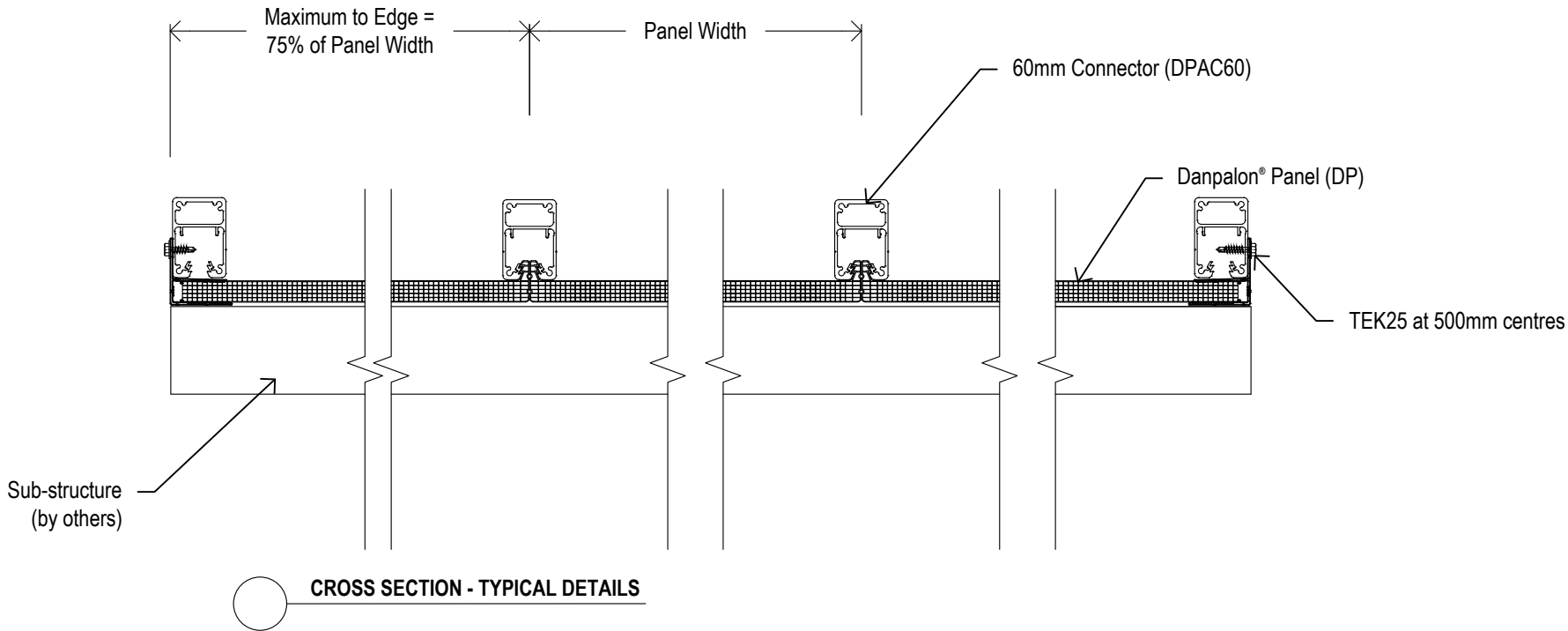
Date:
12/11/2020

Revision:
A

Sheet:
1 of **5**

DANPALON® PANEL OPTIONS		CONNECTOR OPTIONS						
	<p>DP8 - 8mm Honeycomb (600mm width) Weight: 1900gsm Stocked in Clear, Opal, Reflective Ice and Reflective Grey Other colours available to order</p>	<p>DPACSL Streamline Connector Weight: 1 kg/m</p>	<p>DPACFB Fin-and-Ball Connector Weight: 1.4 kg/m</p>	<p>DPAC60 60mm Connector Weight: 1.7 kg/m</p>	<p>DPAB80 80mm Connector Weight: 1.9 kg/m</p>	<p>DPAC100 100mm Connector Weight: 2.3 kg/m</p>	<p>DPAC150 150mm Connector Weight: 3 kg/m</p>	
	<p>DP10 - 10mm Honeycomb (600mm width) Weight: 2666gsm Stocked in all Reflective, Standard and Premium colours Other colours available to order</p>							
	<p>DP12 - 12mm Multicell (900mm width) Weight: 2840gsm Stocked in Softlite Ice and Reflective Grey Other colours and 600mm width available to order</p>							
	<p>DP16 - 16mm Multicell (600mm or 1040mm width) Weight: 3666gsm Stocked in Clear (1040mm only), Opal (1040mm only), Ice, Softlite Ice (1040mm only) and Reflective Grey Other colours and 900mm width available to order</p>							
	<p>3DLite - 22mm Louvred Panel (600mm width) Weight: 3100gsm Stocked in White Other colours available to order</p>							
WALL / FASCIA MOUNTING PROFILES								
	<p>DPAUPHD - Aluminium Upper Pivot Stocked In Mill Finish Only Anodising and Powdercoating available to order Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels Suitable for Streamline (DPACSL) and Fin-and-Ball (DPACFB) Connectors Suitable for Aluminium Fascia Wall Mount (DPAFWM) only</p>		<p>DPAFWM - Aluminium Fascia Wall Mount Stocked In Mill Finish Only Anodising and Powdercoating available to order Suitable for Aluminium Upper Pivot (DPAUPHD) only</p>					
CONNECTOR CAPS		OTHER PROFILES AND ACCESSORIES						
	<p>DPCECSL - Connector End Cap Stocked In Alloy Finish Powdercoating available to order Suitable for Streamline (DPACSL) and Fin-and-Ball (DPACFB) Connectors</p>		 <p>DPAPEC + DPALP Pivot End Cap + Lower Pivot DPAPEC Stocked in Clear Anodised Finish, DPALP Stocked in Mill Finish</p> <p>Powdercoating available to order Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels (*16mm variant shown)</p>				 <p>DPAECLW - Aluminium Light Weight End Cap Stocked in Mill Finish Anodising and Powdercoating available to order Suitable for 10mm and 16mm Danpalon® Panels (*16mm variant shown)</p>	
FASTENERS		 <p>DPAPEC + DPALPR Pivot End Cap + Lower Roof Pivot DPAPEC Stocked in Clear Anodised Finish, DPALPR Stocked in Mill Finish</p> <p>Powdercoating available to order Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels (*16mm variant shown)</p>						
 <p>WS16/22/35 - Wafer Screw 16mm / 22mm / 35mm</p>  <p>TEK25 - Hex Head Screw 25mm Self-Drilling screws suitable for Metal and Timber (specify substrate when ordering) Zinc-Galv. and Stainless Steel options available to order</p>		 <p>R10 - Rubber Gasket Suitable for all Connectors</p>						
		<p>Sheet Title: COMPONENT DETAILS</p> <p>Drawing Series: DANPAL SOLARSPACE ROOF STANDARD DETAILS</p>				<p>Drawn: HL Sheet Scale: 1:2 @ A3</p>	<p>Checked: AN Date: 12/11/2020</p>	<p>Revision: A Sheet: 2 of 5</p>

PANEL SET OUT	
Panel Thickness	Panel Width
8mm	600mm
10mm	600mm
12mm	900mm
16mm	1040mm
3DLite	600mm



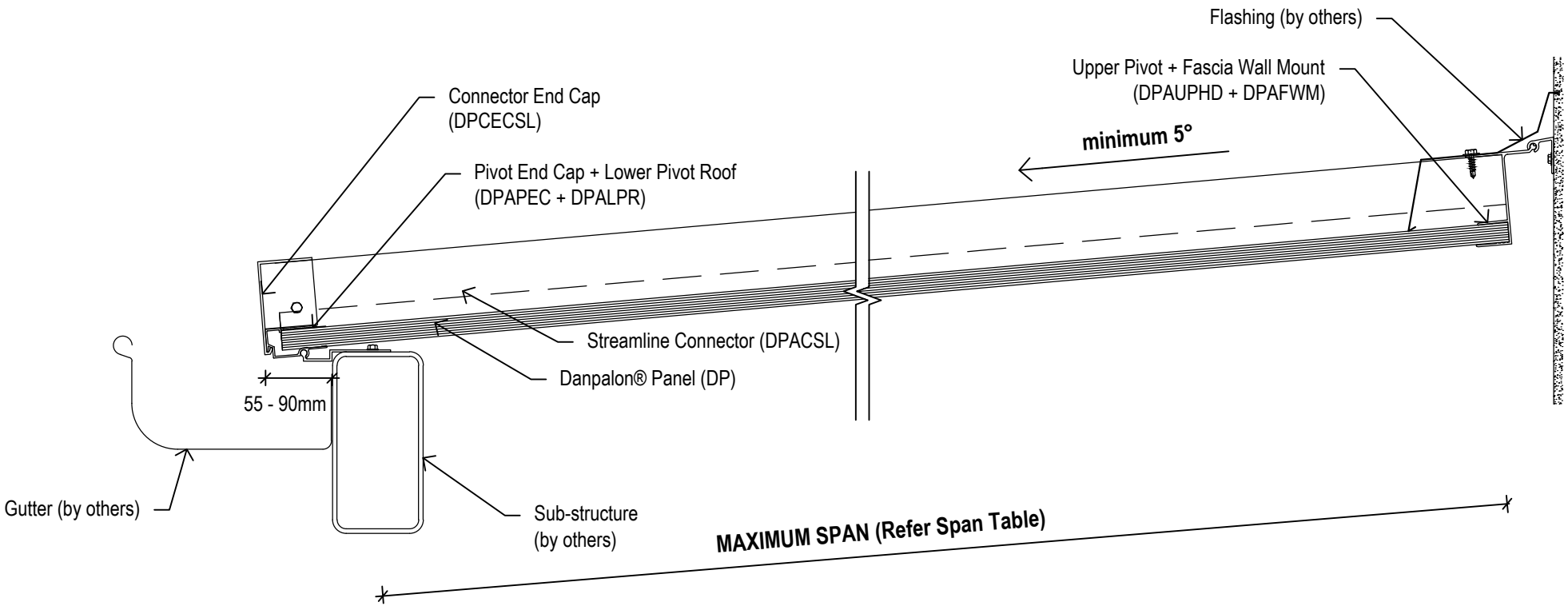
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Sheet Title:
CROSS SECTION DETAILS

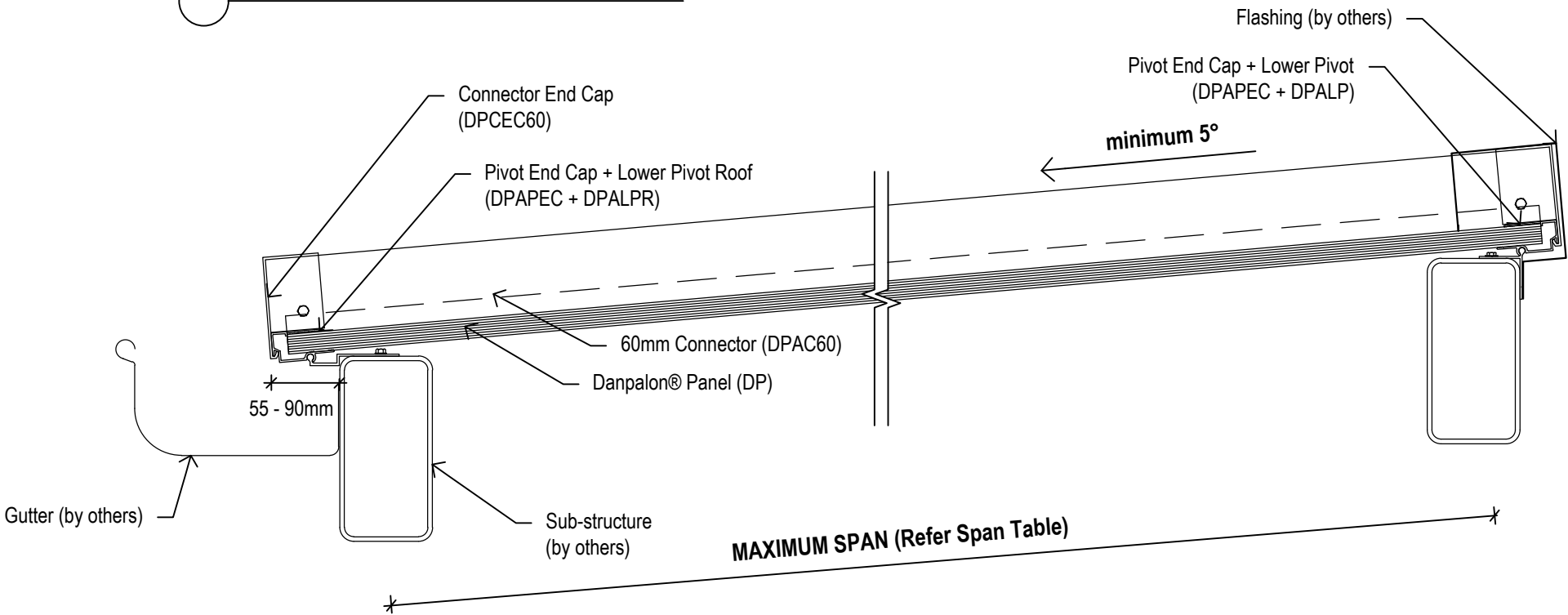
Drawing Series:
DANPAL SOLARSPACE ROOF STANDARD DETAILS

Drawn: HL	Checked: AN	Revision: A
Sheet Scale: 1:5 @ A3	Date: 12/11/2020	Sheet: 3 of 5

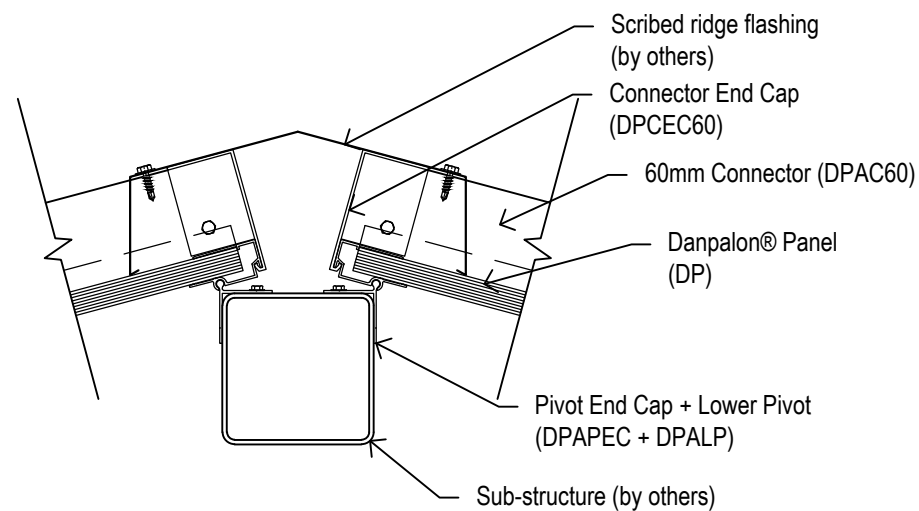
SPAN TABLE					
Connector	Danpalon® Panel				
	8mm	10mm	12mm	16mm	3DLite
Streamline (DPACSL)	2400	2400	2350	2250	2400
Fin-and-Ball (DPACFB)	4100	4100	3650	3450	4100
60mm (DPAC60)	4050	4050	3600	3500	4050
80mm (DPAC80)	5000	5000	4400	4200	5000
100mm (DPAC100)	5800	5800	5200	5000	5800
150mm (DPAC150)	8800	8800	7700	7400	8800
Above figures are in millimetres (mm). Design load 1 kPA (ultimate) 0.7 kPA (serviceable). Deflection criteria span / 50. Curved spans vary according to desired radius. Please consult Danpal Australia for any other situations and more information.					



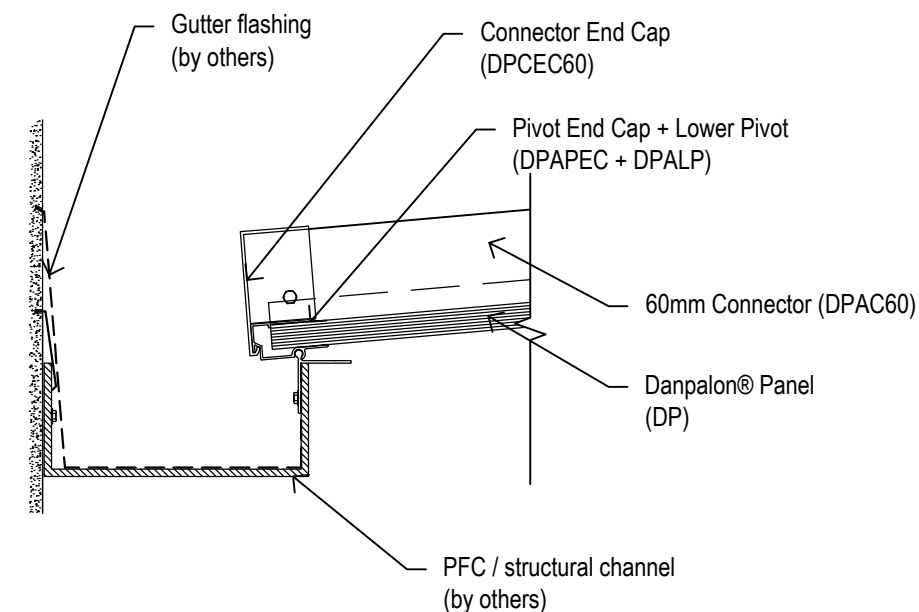
LONGITUDINAL SECTION OPTION ONE (DOMESTIC)



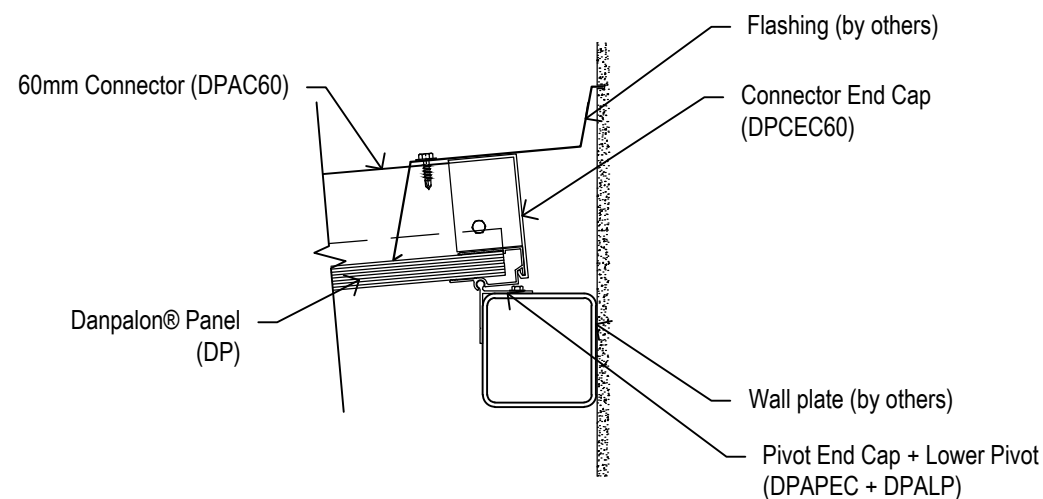
LONGITUDINAL SECTION OPTION TWO (COMMERCIAL)



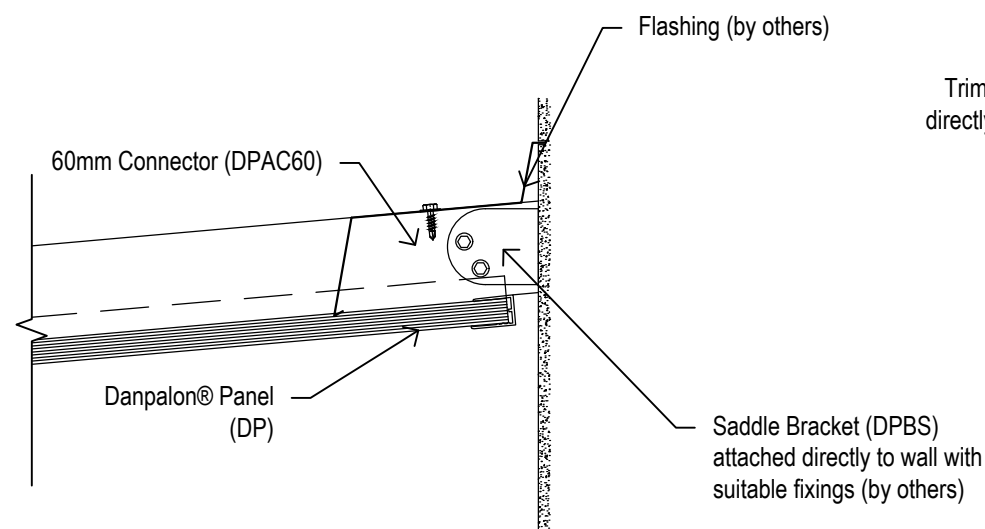
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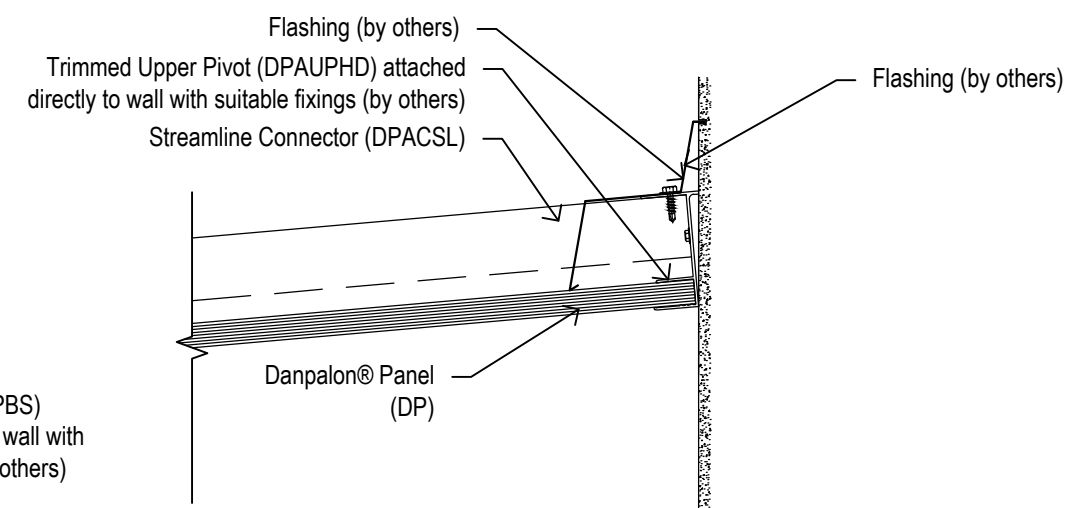
STRUCTURAL GUTTER DETAIL



HEAD WALL MOUNT DETAIL



ALTERNATIVE COMMERCIAL HEAD WALL MOUNT DETAIL



ALTERNATIVE DOMESTIC HEAD WALL MOUNT DETAIL