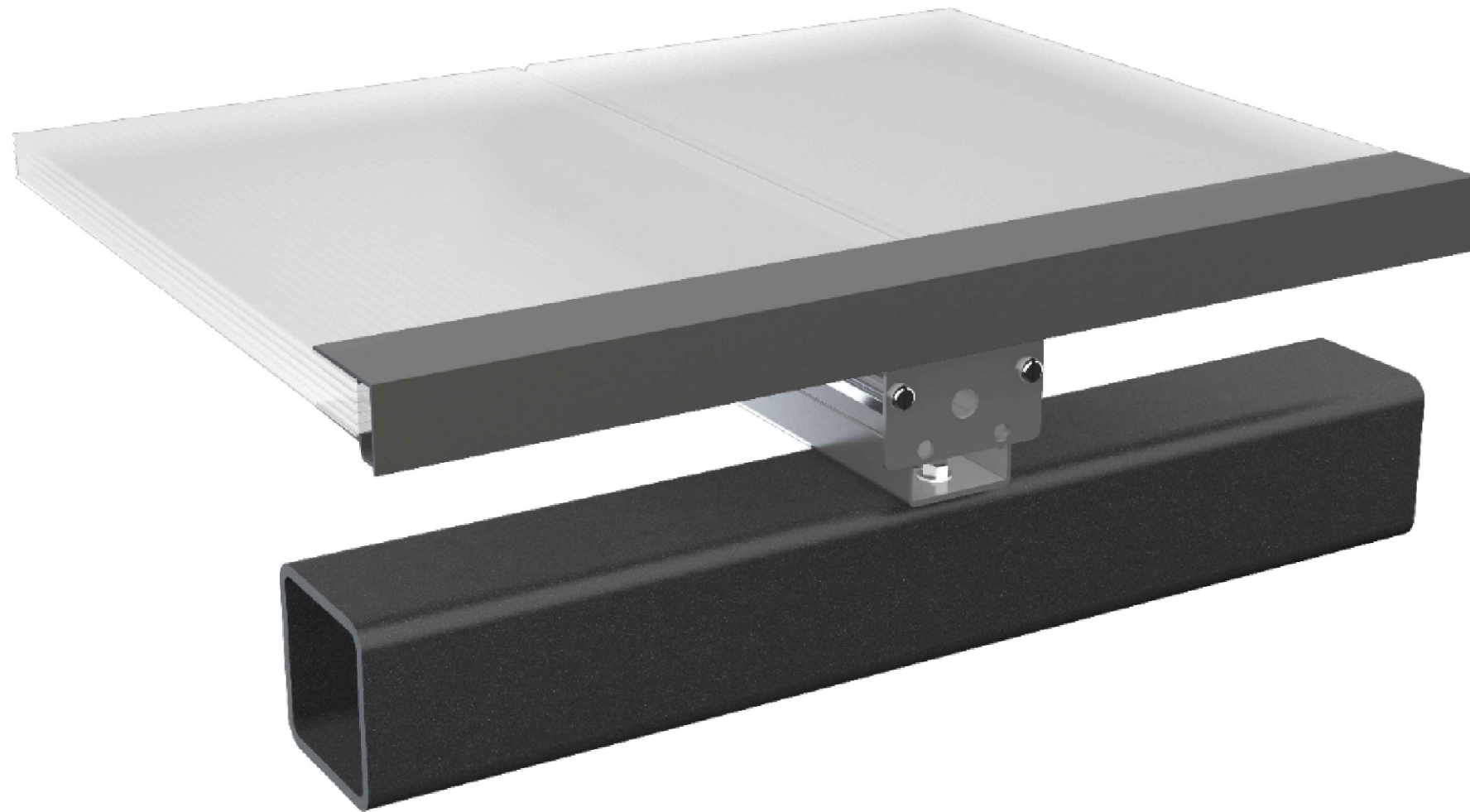


DANPAL SEAMLESS ROOF SYSTEM

with DANPALON[®] Multicell Panels



GENERAL NOTES

DRAWING INFORMATION:

This drawing set is only applicable to the standard Danpal Seamless Roof System using Danpalon[®] 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:

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.

Flashings 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

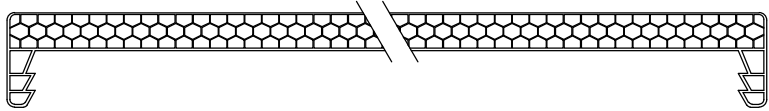
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DANPAL SEAMLESS ROOF STANDARD DETAILS

Drawn:
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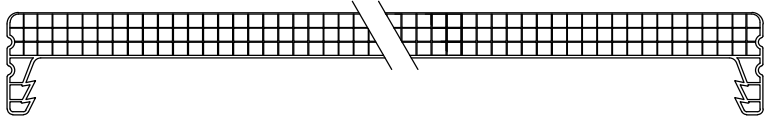
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12/11/2020

Revision:
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Sheet:
1 of **4**

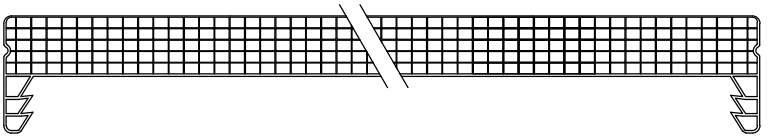
DANPALON® PANEL OPTIONS



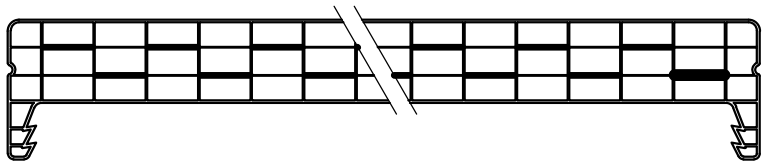
DP10 - 10mm Honeycomb
(600mm width)
Weight: 2666gsm
Stocked in all Reflective, Standard and Premium colours
Other colours available to order



DP12 - 12mm Multicell
(900mm width)
Weight: 2840gsm
Stocked in Softlite Ice and Reflective Grey
Other colours and 600mm width available to order

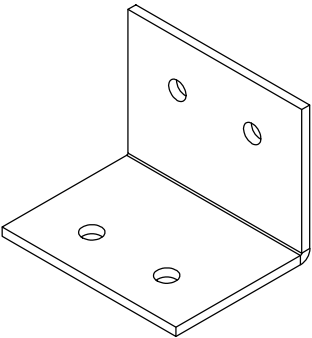


DP16 - 16mm multicell
(600mm or 1040mm width)
Weight: 3666gsm
Stocked in Clear (1040mm only), Opal (1040mm only), Ice, Softlite Ice (1040mm only) and Reflective Grey
Other colours and 900mm width available to order

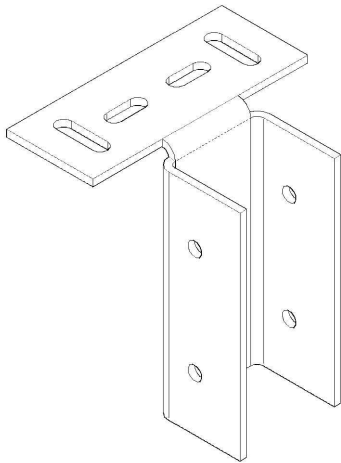


3DLite - 22mm Louvred Panel
(600mm width)
Weight: 3100gsm
Stocked in White
Other colours available to order

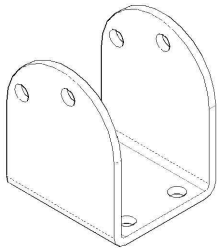
CONNECTOR BRACKETS



DPBA - Angle Bracket
Stocked In Galvanised Steel Finish
Powdercoating available to order

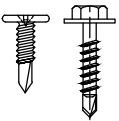


DPBG40 / 60 / 80 - Girt Bracket
Stocked In Galvanised Steel Finish
Powdercoating available to order



DPBS - Saddle Bracket for DPAC60 - DPAC150
Stocked In Galvanised Steel Finish
Powdercoating available to order

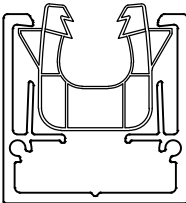
FASTENERS



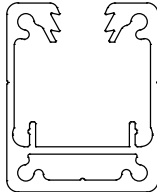
WS16/22/35 - Wafer Screw 16mm / 22mm / 35mm
TEK25 - Hex Head Screw 25mm / 45mm
Self-Drilling screws suitable for Metal and Timber (specify substrate when ordering)
Zinc-Galv. and Stainless Steel options available to order

CONNECTOR OPTIONS

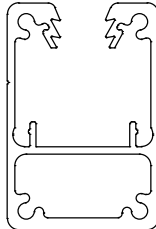
DPAEC50
Expansion
Connector
Weight: 1.3 kg/m



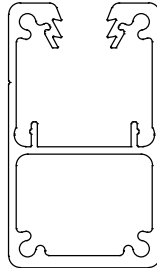
DPAC50
50mm
Connector
Weight: 1.6 kg/m



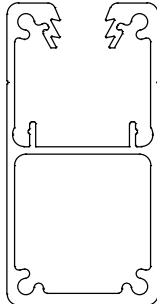
DPAC60
60mm
Connector
Weight: 1.7 kg/m



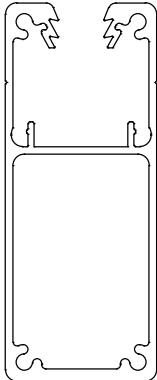
DPAC70
70mm
Connector
Weight: 1.8 kg/m



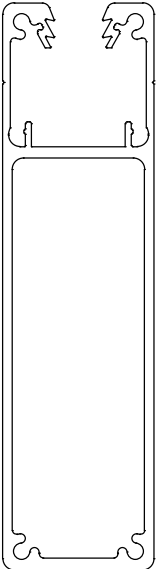
DPAB80
80mm
Connector
Weight: 1.9 kg/m



DPAC100
100mm
Connector
Weight: 2.3 kg/m

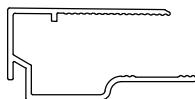


DPAC150
150mm
Connector
Weight: 3 kg/m

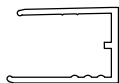


Notes:
All connectors are Aluminium 6351 T5 Alloy
Stocked in Mill Finish
Anodising and Powdercoating available to order

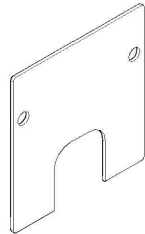
OTHER PROFILES AND ACCESSORIES



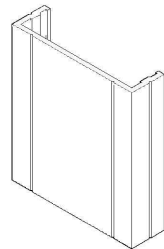
DPAEC - Aluminium End Cap (Non-Pivot)
Stocked in Clear Anodised Finish
Powdercoating available to order
Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels
(*16mm variant shown)



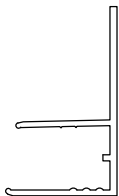
DPAECLW - Aluminium Light Weight End Cap
Stocked in Mill Finish
Anodising and Powdercoating available to order
Suitable for 10mm and 16mm Danpalon® Panels
(*16mm variant shown)



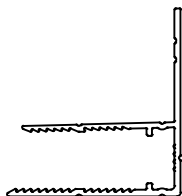
DPECLP - Expansion Connector End Plate
Stocked in Stainless Steel



DPACBEC - Aluminium Connector Bar End Cap
Stocked in Mill Finish
Anodising and Powdercoating available to order
Suitable for 50mm to 150mm Connectors (DPAC50-150)



DPAFS - Aluminium F-Section
Stocked in Mill and Clear Anodised Finish
Powdercoating available to order
Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels
(*16mm variant shown)



DPAFSL - Aluminium Long Leg F-Section
Stocked in Mill Finish
Anodising and Powdercoating available to order
Suitable for 16mm Danpalon® Panels



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Sheet Title:
COMPONENT DETAILS

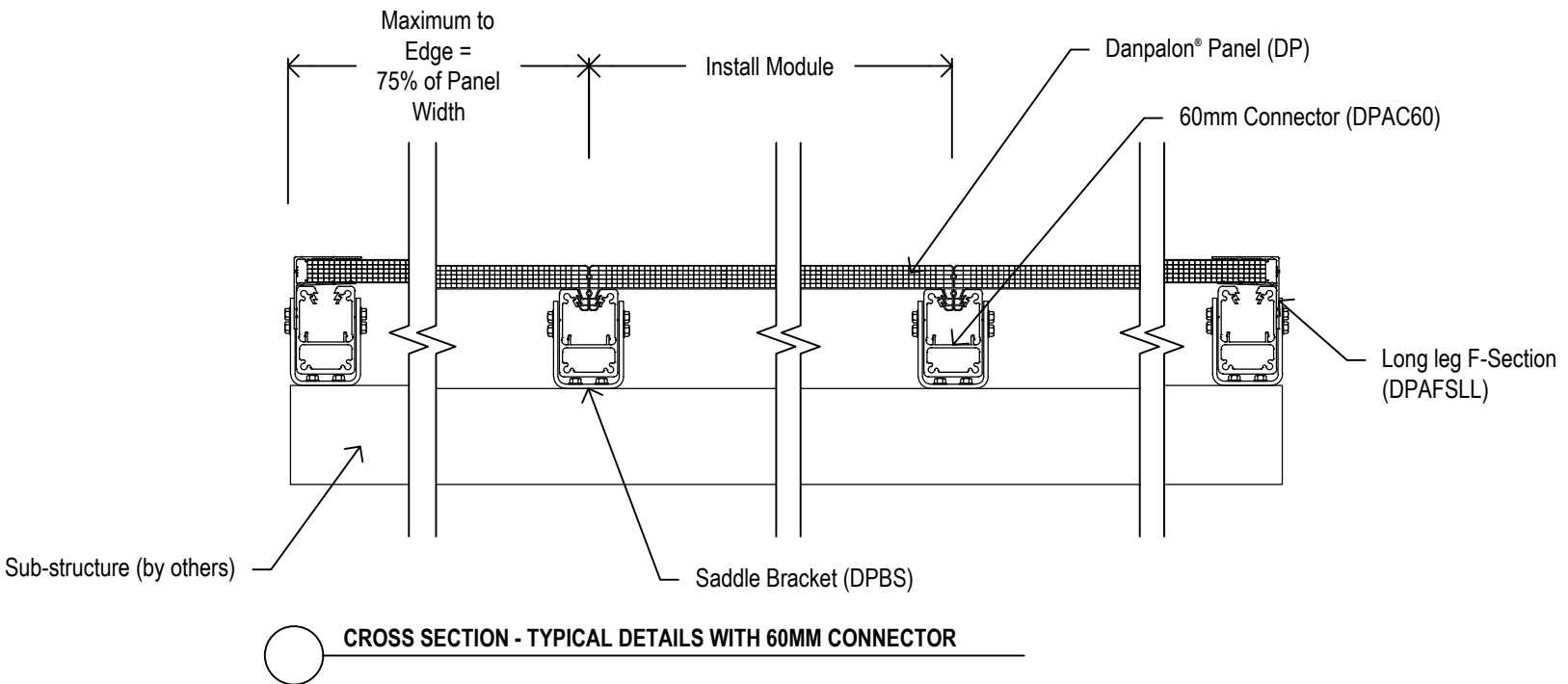
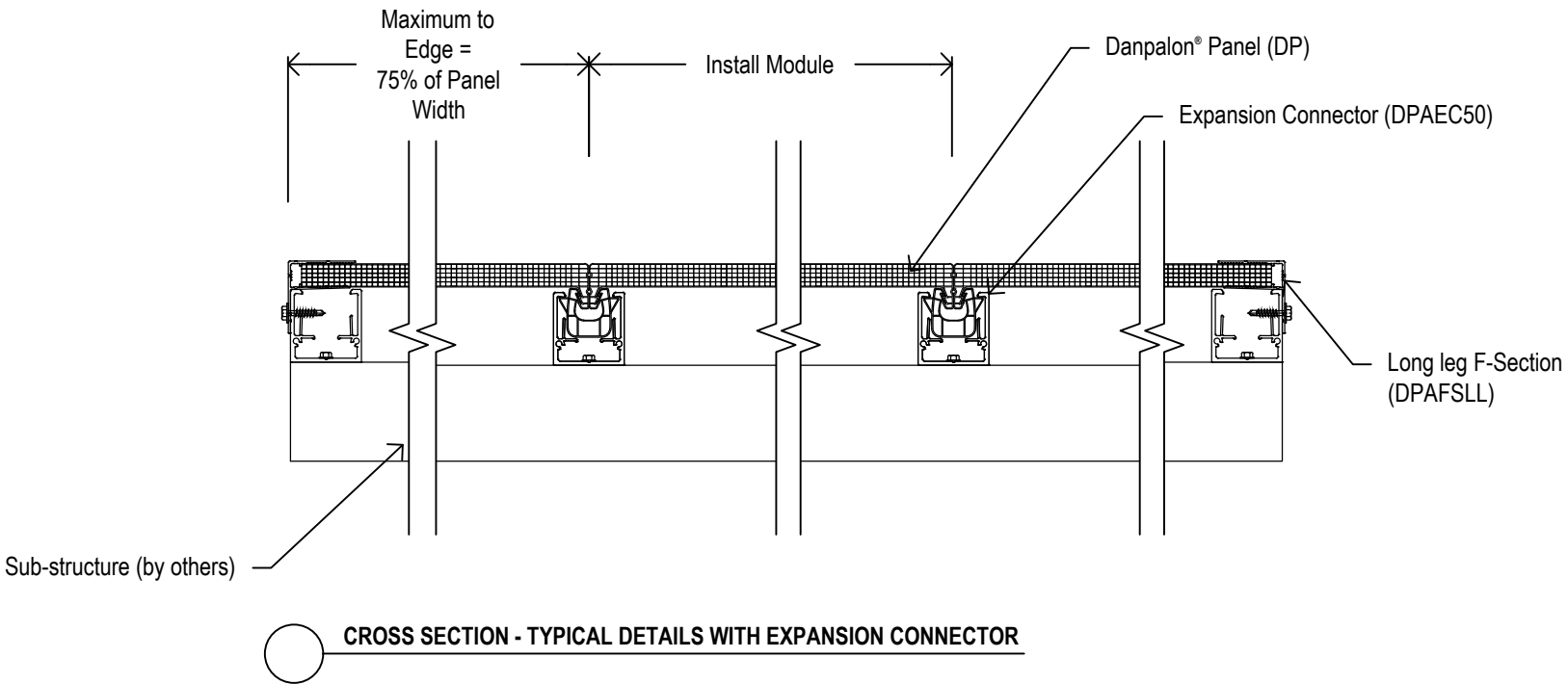
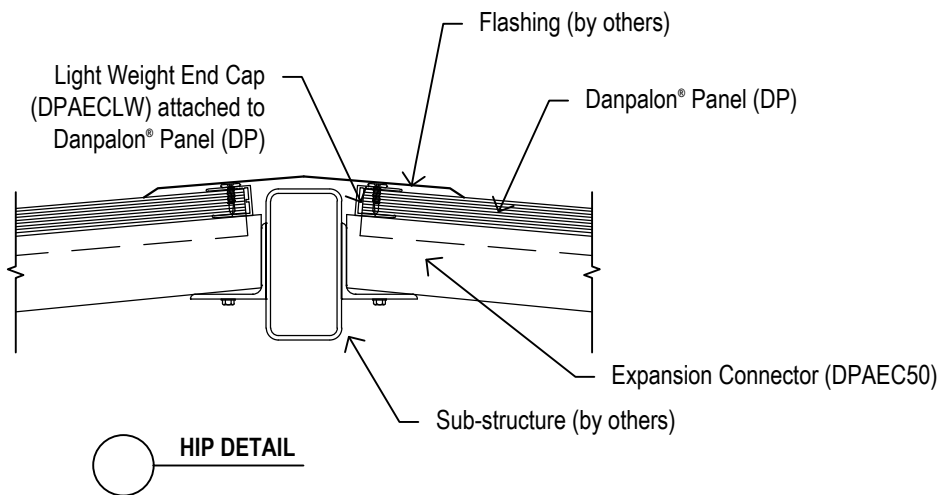
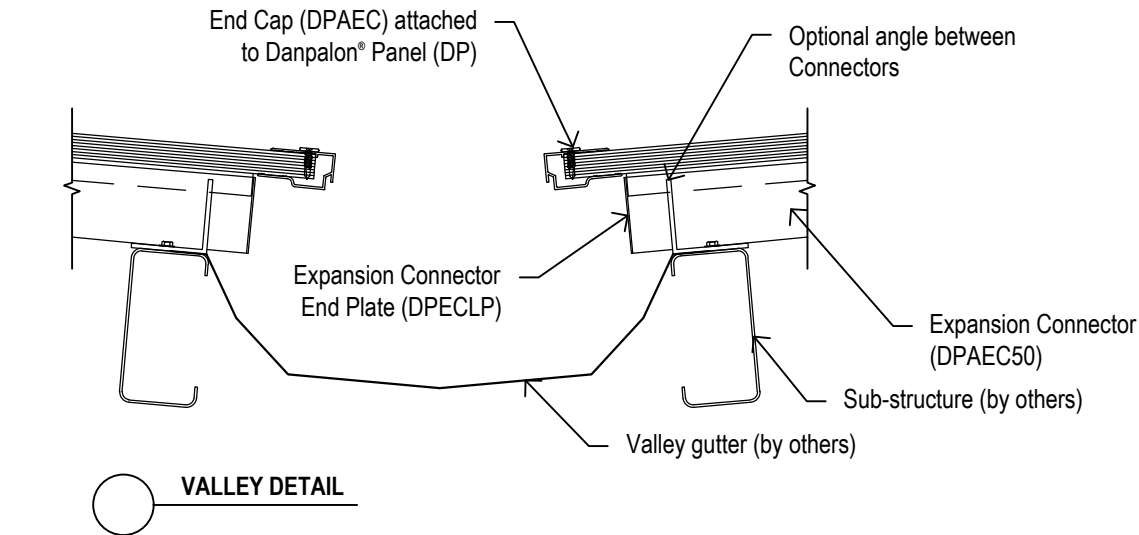
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DANPAL SEAMLESS ROOF STANDARD DETAILS

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Sheet Scale:
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Date:
12/11/2020

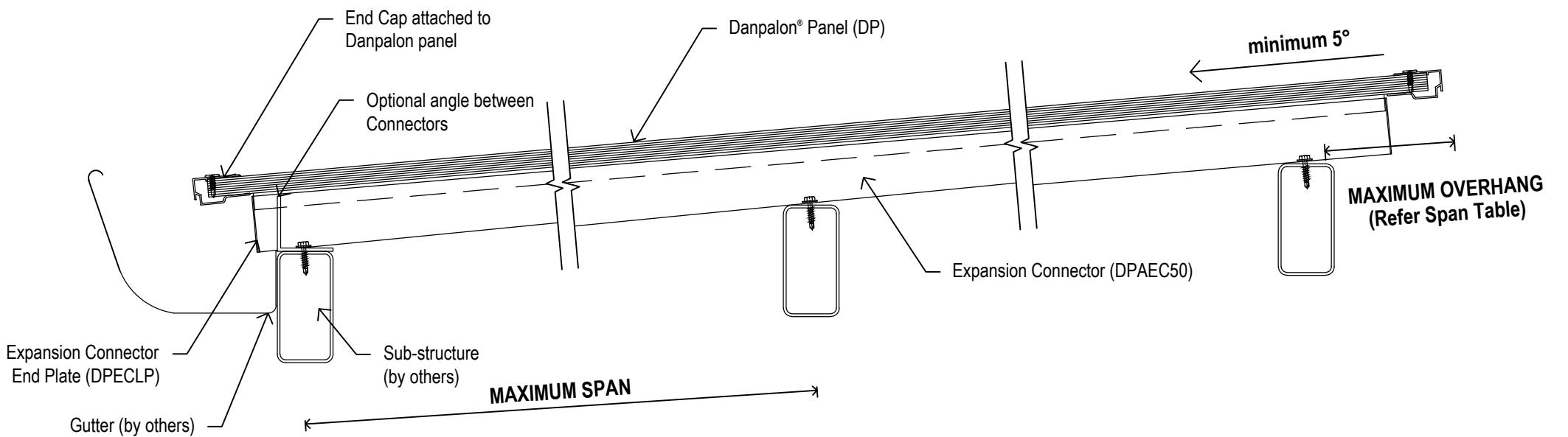
Revision:
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Sheet:
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PANEL SET OUT		
Panel Thickness	Panel Width	Install Module
10mm	600mm	601mm
12mm	900mm	901mm
16mm	1040mm	1041mm
3DLite	600mm	601mm

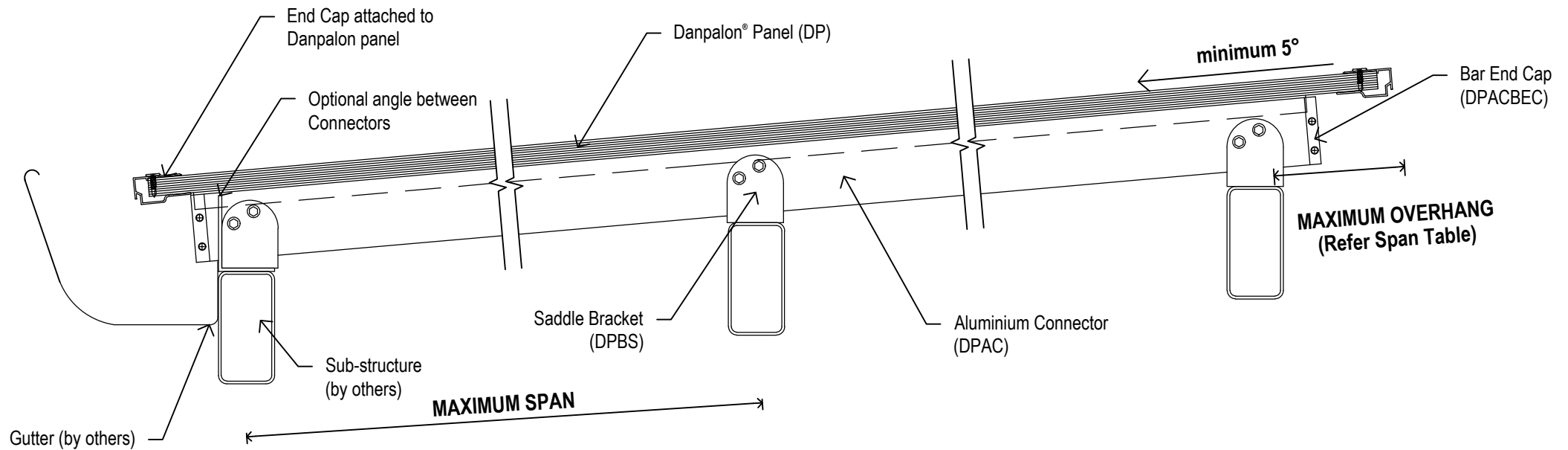


SPAN TABLE				
Connector	Danpalon® Panel			
	10mm	12mm	16mm	3D Lite
Expansion (DPAEC50)	3000	2700	2500	3000
50mm (DPAC50)	3600	3200	3100	3600
60mm (DPAC60)	4200	3700	3600	4200
70mm (DPAC70)	4700	4100	4000	4700
80mm (DPAC80)	5200	4600	4450	5200
100mm (DPAC100)	6300	5500	5300	6300
150mm (DPAC150)	9000	7600	7300	9000
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 and are not possible when using the Expansion Connector or 150mm Connector. Please consult Danpal Australia for any other situations and more information.				

OVERHANG CHART				
Connector	Danpalon® Panel			
	10mm	12mm	16mm	3D Lite
Expansion (DPAEC50)	800	750	725	800
50mm (DPAC50)	1000	900	875	1000
60mm (DPAC60)	1300	1200	1150	1300
70mm (DPAC70)	1600	1550	1500	1600
80mm (DPAC80)	1900	1850	1800	1900
100mm (DPAC100)	2500	2200	2000	2500
150mm (DPAC150)	4000	3400	3000	4000
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 and are not possible when using the Expansion Connector or 150mm Connector. Please consult Danpal Australia for any other situations and more information.				



LONGITUDINAL SECTION - TYPICAL DETAILS WITH EXPANSION CONNECTOR



LONGITUDINAL SECTION - TYPICAL DETAILS WITH 60MM CONNECTOR