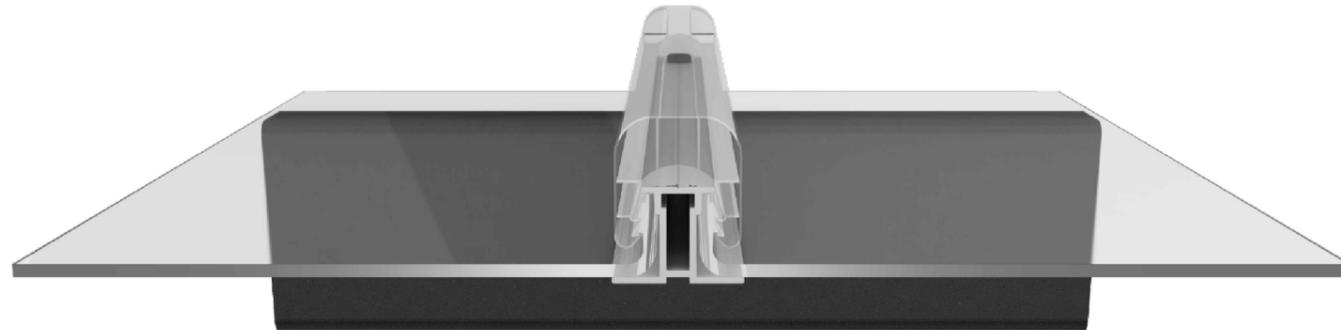


DANPAL TRADITIONAL AND FREESPAN ROOF SYSTEMS

with DANPALON[®] Compact Panels



GENERAL NOTES

DRAWING INFORMATION:

This drawing set is only applicable to the standard Danpal Roof System using Danpalon[®] Compact 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 COMPACT ROOF STANDARD DETAILS

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Date:
12/11/2020

Revision:
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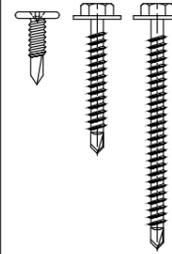
Sheet:
1 of 4

DANPALON® PANEL



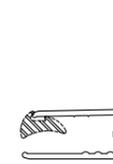
DP4 - 4mm Compact
 (592mm width)
 Weight: 4800gsm
 Stocked in Clear, Grey and Reflective Grey
 Other colours available to order

FASTENERS



WS16 - Wafer Screw 16mm
TEK25/45/65 - Hex Head Screw 25mm / 45mm / 65mm
 Self-Drilling screws suitable for Metal and Timber (specify substrate when ordering)
 Zinc-Galv. and Stainless Steel options available to order

CAPPING PROFILE

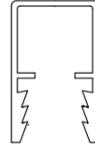


DPAFS10 + R10 - Aluminium F Section with Rubber Gasket
 R10 stocked in Black
 DPAFS10 stocked in Mill and Clear Anodised Finish
 Powdercoating available to order

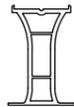
CONNECTOR AND SPACER OPTIONS



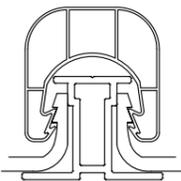
DPC4 - Polycarbonate Connector
 Stocked in Clear, Grey and Reflective Grey
 Suitable for Freespan
 Other colours available to order



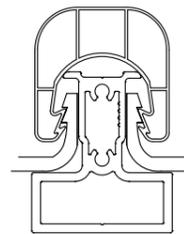
DPAC4 - Aluminium Connector
 Stocked in Mill Finish
 Anodising and Powdercoating available to order



DPS4 - Polycarbonate Spacer
 Stocked in Clear
 Suitable for Polycarbonate Connector (DPC4) and Aluminium Connector (DPAC4)



DPCW - Wide Polycarbonate Connector
 Stocked in Ice and Reflective Grey
 Other colours available to order
 Suitable for Aluminium Spacer (DPAS4) and Aluminium Structural Spacer (DPASS4)

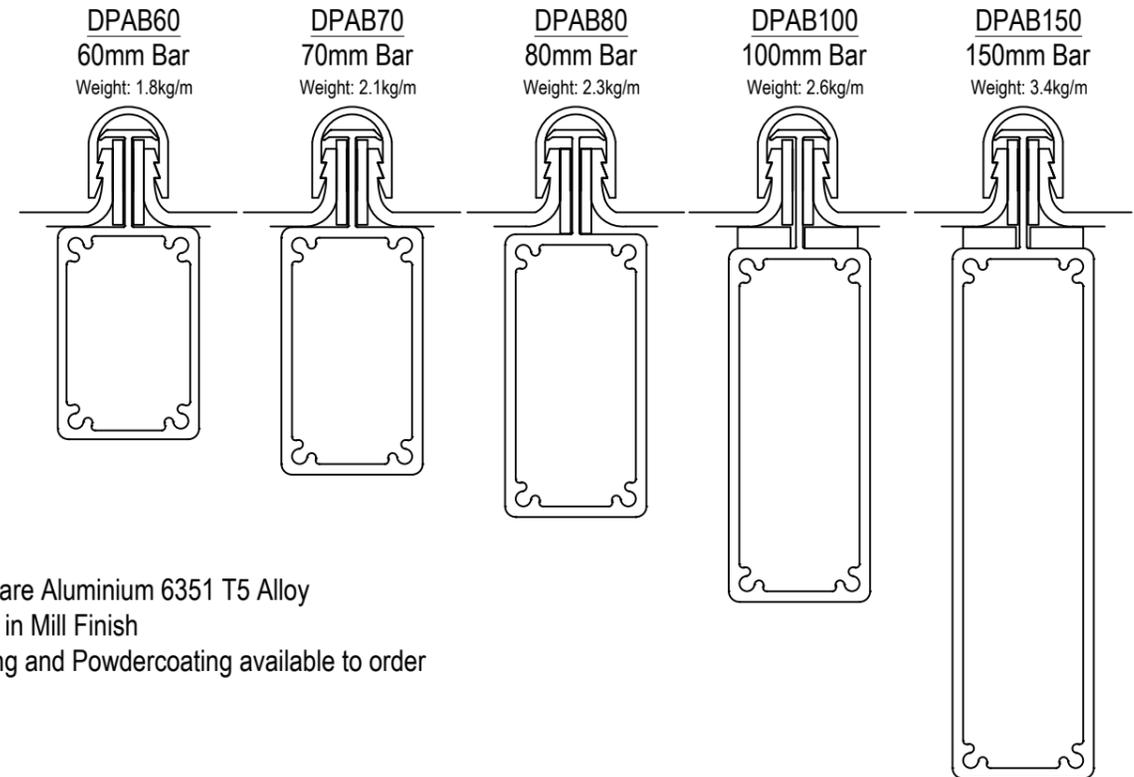


DPCW - Wide Polycarbonate Connector
 Stocked in Ice and Reflective Grey
 Other colours available to order
 Suitable for Aluminium Spacer (DPAS4) and Aluminium Structural Spacer (DPASS4)

DPAS4 - Aluminium Spacer
 Stocked in Mill Finish
 Anodising and Powdercoating available to order

DPASS4 - Aluminium Structural Spacer
 Stocked in Mill Finish
 Anodising and Powdercoating available to order

FREESPAN BAR OPTIONS



DPAB60
 60mm Bar
 Weight: 1.8kg/m

DPAB70
 70mm Bar
 Weight: 2.1kg/m

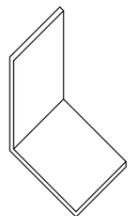
DPAB80
 80mm Bar
 Weight: 2.3kg/m

DPAB100
 100mm Bar
 Weight: 2.6kg/m

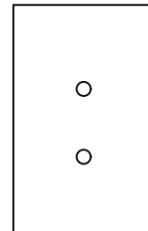
DPAB150
 150mm Bar
 Weight: 3.4kg/m

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

SPACER ACCESSORIES

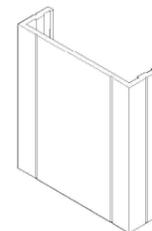


DPAS4EC - Aluminium Spacer End Cap
 Stocked in Mill Finish
 Anodising and Powdercoating available to order

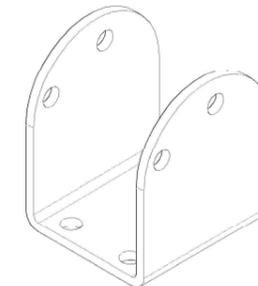


DPASS4EP - Aluminum Structural Spacer End Plate
 Stocked in Mill Finish
 Anodising and Powdercoating available to order

FREESPAN BAR ACCESSORIES



DPACBEC - Aluminium Connector Bar End Cap
 Stocked in Mill Finish
 Anodising and Powdercoating available to order
 Suitable for 50mm to 150mm Bars (DPAB50-150)



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



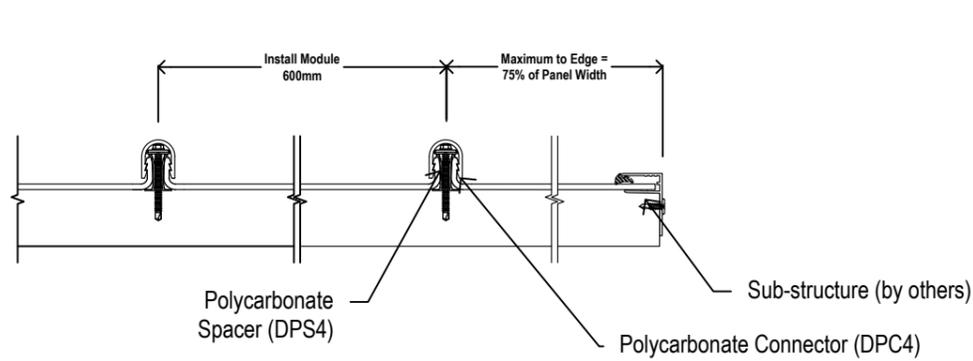
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Sheet Title:
COMPONENT DETAILS
 Drawing Series:
DANPAL COMPACT ROOF STANDARD DETAILS

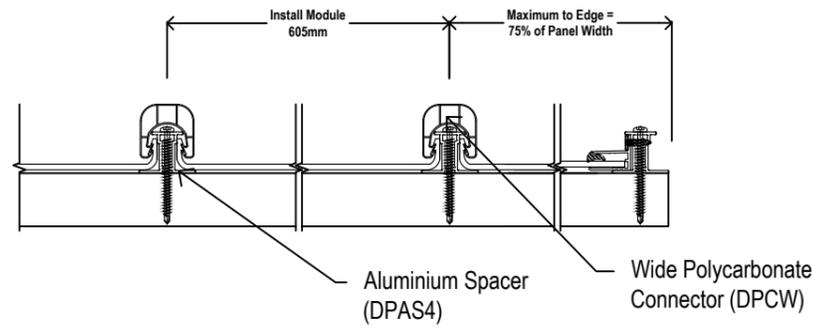
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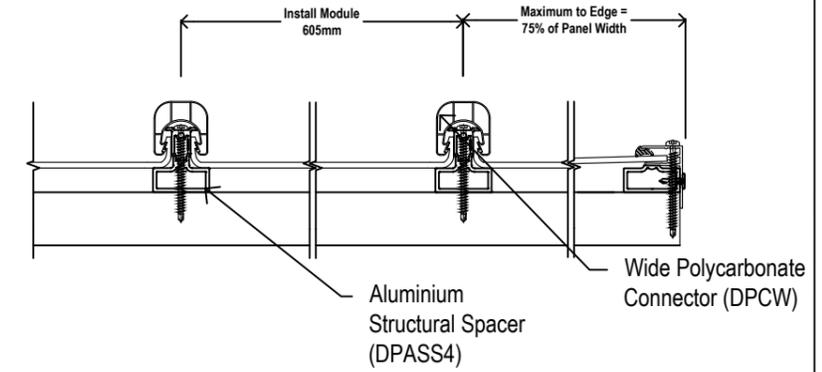
Revision:
A
 Sheet:
2 of 4



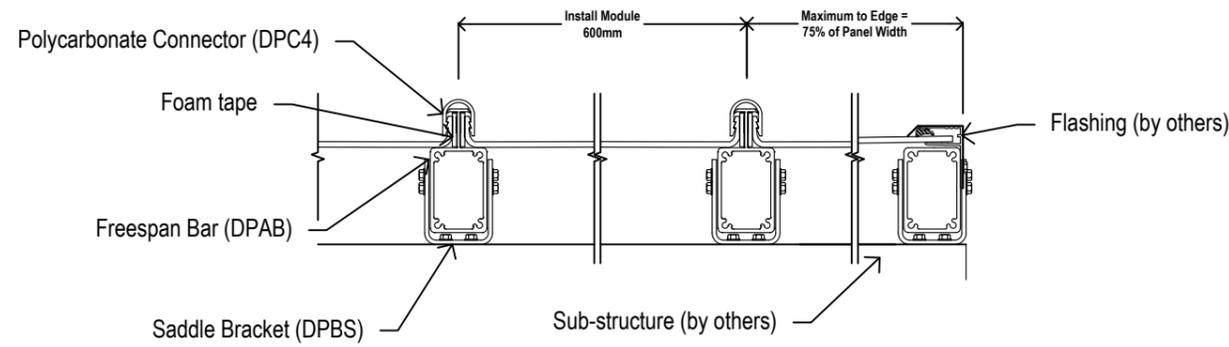
CROSS SECTION - TYPICAL POLYCARBONATE CONNECTOR DETAILS



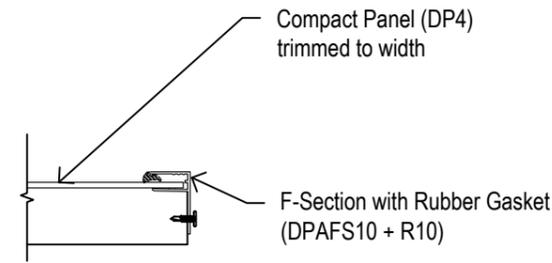
CROSS SECTION - TYPICAL SPACER DETAILS



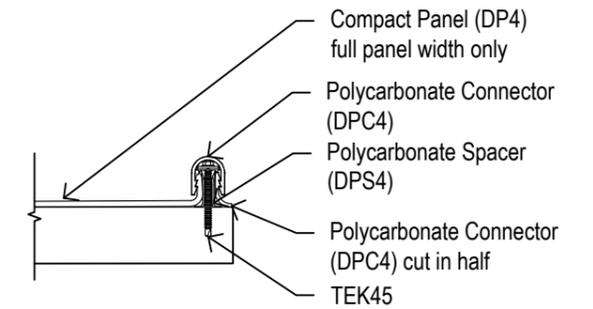
CROSS SECTION - TYPICAL STRUCTURAL SPACER DETAILS



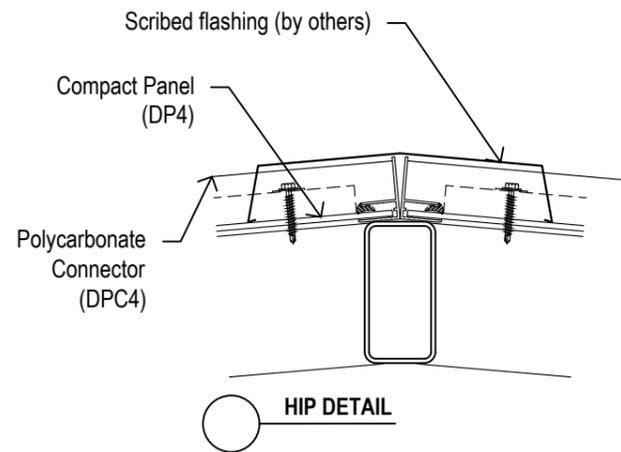
CROSS SECTION - TYPICAL FREESPAN DETAILS



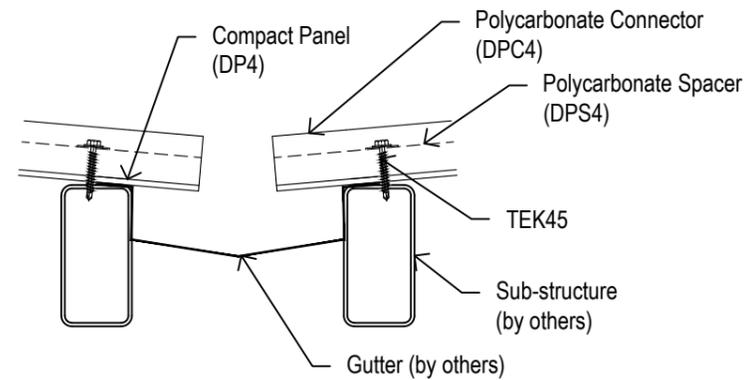
CUT PANEL EDGE DETAIL



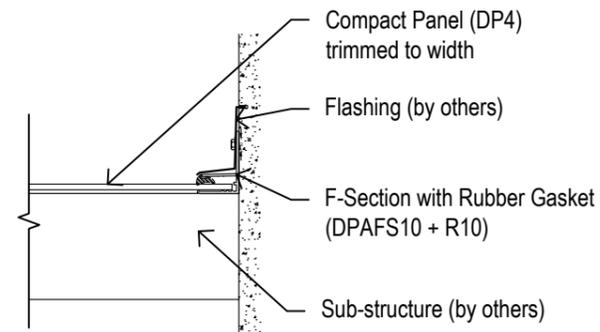
FULL PANEL EDGE DETAIL



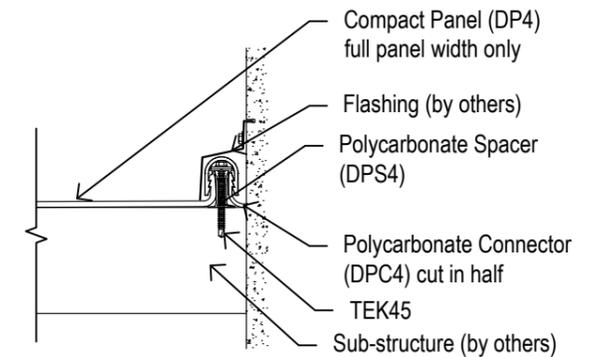
HIP DETAIL



VALLEY DETAIL



CUT PANEL WALL DETAIL



FULL PANEL WALL DETAIL



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DANPAL COMPACT ROOF STANDARD DETAILS

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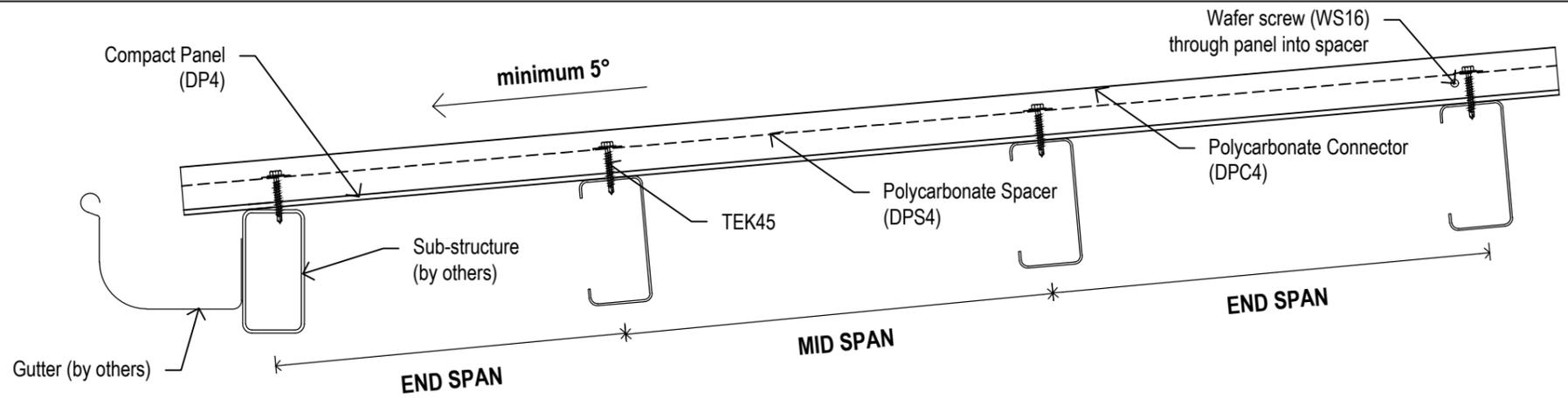
Date:
12/11/2020

Revision:
A

Sheet:
3 of 4

SPAN TABLE			
Danpalon® Compact Panel Traditional Roof System			
Connector and Spacer	Install Module	Mid Span	End Span
Polycarbonate Connector (DPC4) and Spacer (DPS4)	600	900	700
Aluminium Connector (DPAC4) and Polycarbonate Spacer (DPS4)	600	1400	1000
Wide Polycarbonate Connector (DPCW) and Aluminium Spacer (DPAS4)	605	1600	1600
Wide Polycarbonate Connector (DPCW) and Aluminium Structural Spacer (DPASS4)	605	2300	2300

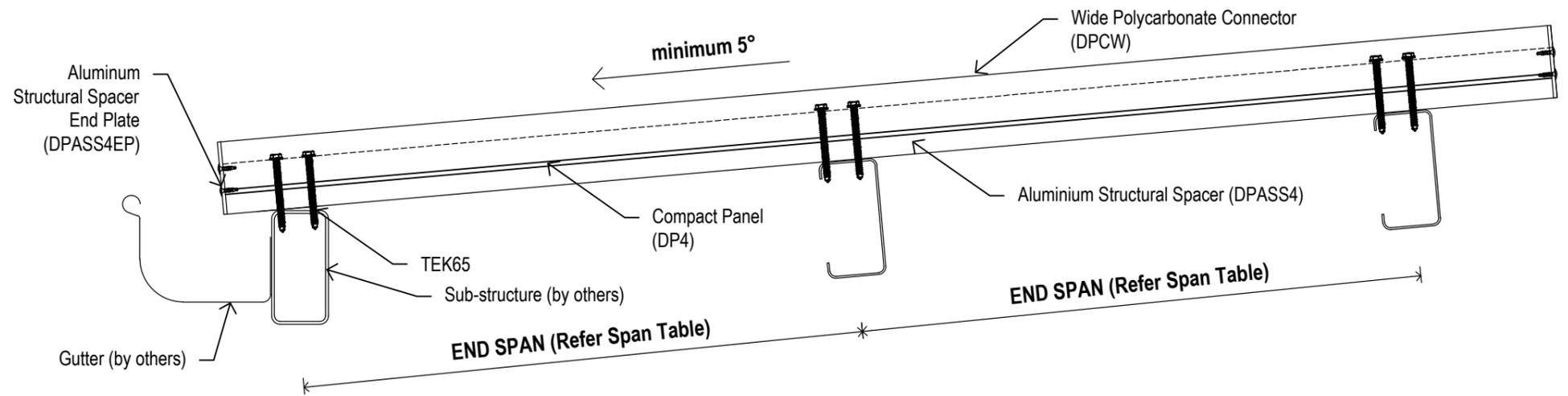
Above figures are in millimetres (mm).
 Design load 1 kPA (ultimate) 0.7 kPA (serviceable). Deflection criteria span / 50.
 Curved spans vary according to desired radius.
 Please consult Danpal Australia for any other situations and more information.



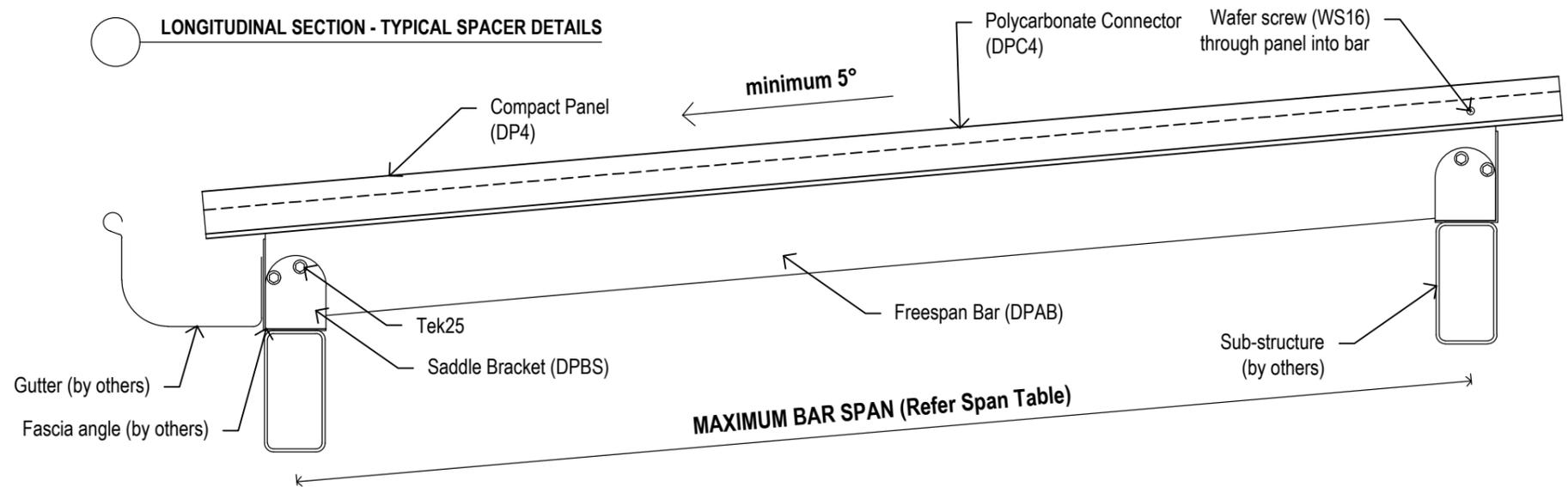
LONGITUDINAL SECTION - TYPICAL POLYCARBONATE CONNECTOR DETAILS

SPAN TABLE		
Danpalon® Compact Panel Freespan Roof System		
Freespan Bar	Install Module	Bar Span
50mm (DPAB50)	-	-
60mm (DPAB60)	600	4800
70mm (DPAB70)	600	5500
80mm (DPAB80)	600	*6000
100mm (DPAB100)	600	*7000
150mm (DPAB150)	600	*9600

Above figures are in millimetres (mm).
 * Denotes that tape is required to make this panel compatible with this bar.
 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 - TYPICAL SPACER DETAILS



LONGITUDINAL SECTION - TYPICAL FREESPAN DETAILS



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 Date:
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Revision:
A
 Sheet:
4 of 4