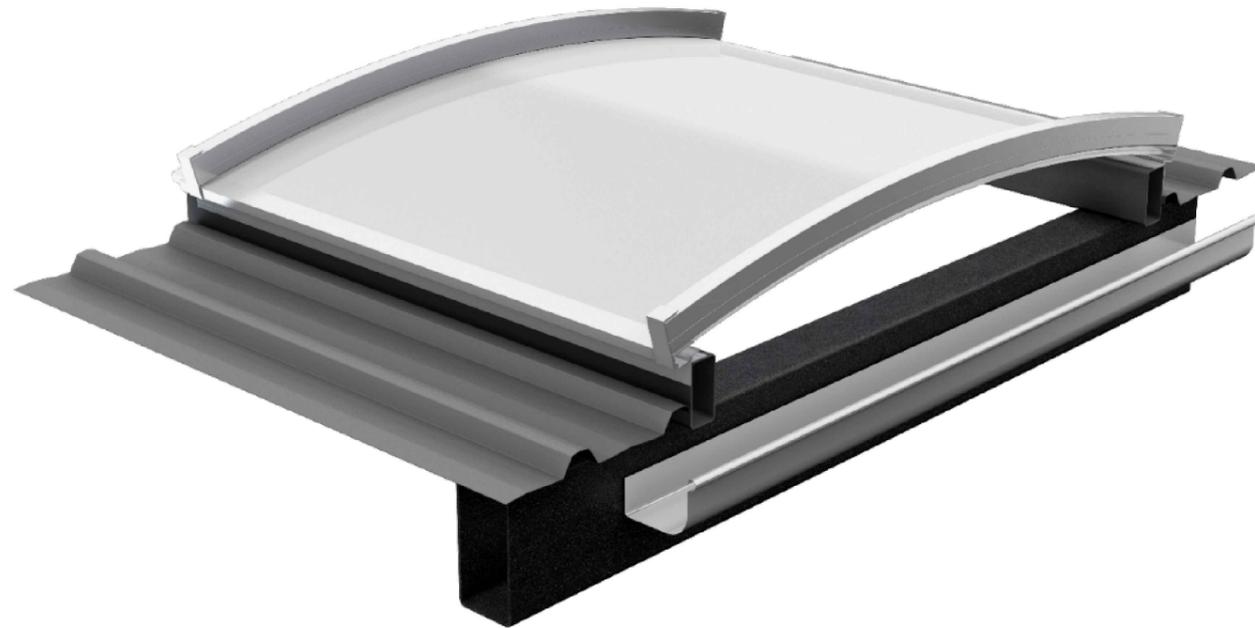


# DANPAVAULT SKYLIGHT SYSTEM

with DANPALON<sup>®</sup> Multicell Panels



#### DRAWING INFORMATION:

This drawing set is only applicable to the standard Danpavault Skylight System using Danpalon<sup>®</sup> 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<sup>®</sup> STANDARD DETAILS ARE INTENDED ONLY AS A GUIDE FOR PROJECT-SPECIFIC ENGINEERING DOCUMENTATION BY AN APPROPRIATELY QUALIFIED ENGINEER.**



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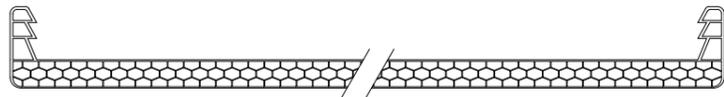
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**TITLE PAGE AND GENERAL NOTES**  
Drawing Series:  
**DANPAVAULT SKYLIGHT STANDARD DETAILS**

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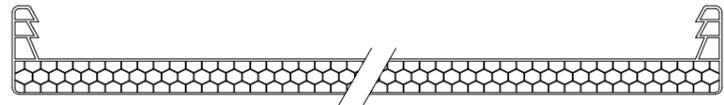
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## DANPALON® PANEL OPTIONS



### DP8 - 8mm Honeycomb

(600mm width)  
Weight: 1900gsm  
Stocked in Clear, Opal, Reflective Ice and Reflective Grey  
Other colours available to order



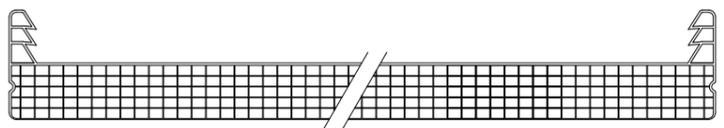
### DP10 - 10mm Honeycomb

(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

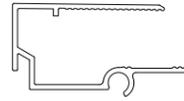


### DP16 - 16mm Multicell

(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

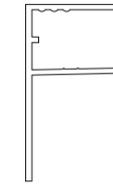
Note: Thicker panels (e.g. 12mm and 16mm) are harder to form into relatively small tight curves and using them may not be physically possible in some cases. Contact Danpal for more information.

## CAPPING PROFILES



### DPAPEC - Aluminium Pivot End Cap

Stocked in Clear Anodised Finish  
Powdercoating available to order  
Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels  
(\*16mm variant shown)



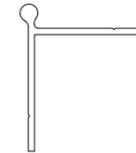
### DPAFS - Aluminium F-Section Profile

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



### DPALPR - Aluminium Lower Pivot Roof

Stocked In Mill Finish  
Anodising and Powdercoating available to order  
Suitable for Aluminium Pivot End Cap (DPAPEC)



### DPALP - Aluminium Lower Pivot Angle

Stocked In Mill Finish  
Anodising and Powdercoating available to order  
Suitable for Aluminium Pivot End Cap (DPAPEC)

## FASTENERS

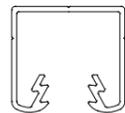


WS16/22/35 - Wafer Screw 16mm / 22mm / 35mm

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

## CONNECTOR OPTIONS



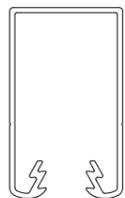
### DPAC30 - Aluminium Connector (30mm)

Stocked in Mill and Clear Anodised Finish  
Powdercoating available to order



### DPACEC30 - Connector End Cap (30mm)

Stocked in Mill and Clear Anodised Finish  
Powdercoating available to order  
Suitable for DPAC30 Aluminium Connector (DPAC30) and 30mm Side Connector (DPACS30)



### DPAC54 - Aluminium Connector (54mm)

Stocked in Mill and Clear Anodised Finish  
Powdercoating available to order



### DPACEC54 - Connector End Cap (54mm)

Stocked in Mill and Clear Anodised Finish  
Powdercoating available to order  
Suitable for DPAC54 Aluminium Connector (DPAC54)



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**COMPONENT DETAILS**

Drawing Series:  
**DANPAVAULT SKYLIGHT STANDARD DETAILS**

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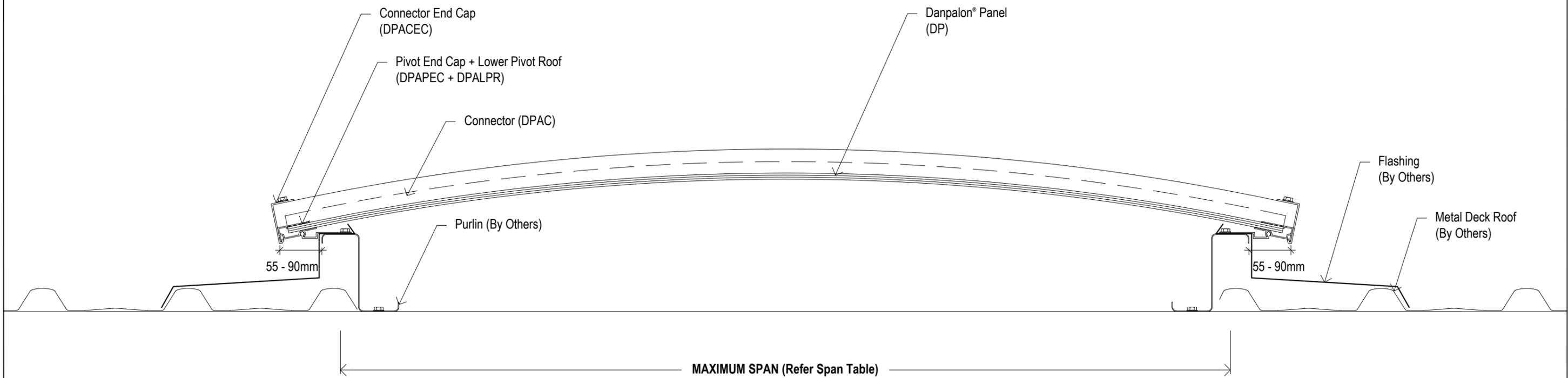
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### PANEL SET OUT

Panel Thickness	Panel Width
8mm	600mm
10mm	600mm
12mm	900mm
16mm	1040mm



○ SKYLIGHT CROSS SECTION - TYPICAL DETAILS



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**CROSS SECTION DETAILS**  
 Drawing Series:  
**DANPAVAULT SKYLIGHT STANDARD DETAILS**

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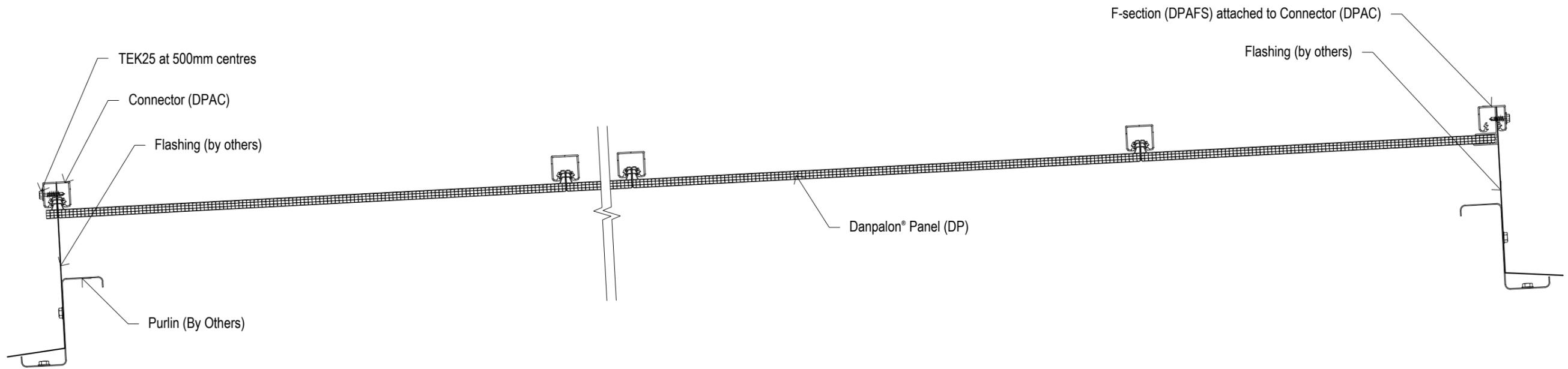
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### SPAN TABLE

Connector	Minimum radius	8mm	10mm	12mm	16mm
30mm Aluminium Connector (DPAC30)	3000	1900	1900	1800	1700
54mm Aluminium Connector (DPAC54)	3500	2300	2300	2200	2100

Above figures are in millimetres (mm).  
 Design load 1 kPA (ultimate) 0.7 kPA (serviceable). Deflection criteria span / 50.  
 Assuming minimum radius applied to connectors.  
 Please consult Danpal Australia for any other situations and more information.



○ LONGITUDINAL SECTION



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**DANPAVAULT SKYLIGHT STANDARD DETAILS**

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**1:5 @ A3**

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