

DANPAL TRADITIONAL ROOF SYSTEM

with DANPALON[®] Multicell Panels



GENERAL NOTES

DRAWING INFORMATION:

This drawing set is only applicable to the standard Danpal Traditional 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 TRADITIONAL MULTICELL ROOFING STANDARD DETAILS

Drawn:

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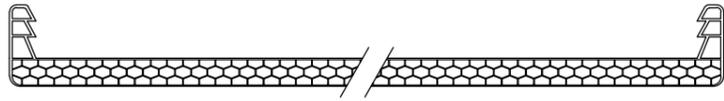
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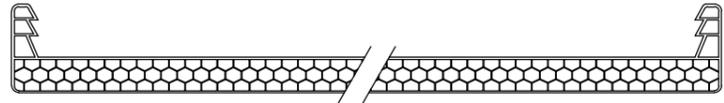
Sheet:

1 of 4

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



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

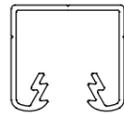
CONNECTOR OPTIONS



DPC - Polycarbonate Connector
 Stocked in all available panel colours



DPECC - Connector End Cap
 Stocked In Clear
 Suitable for Polycarbonate Connectors only



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)

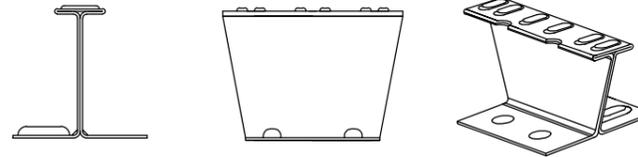


DPAC54 - Aluminium Connector (54mm)
 Stocked in Mill and Clear Anodised Finish
 Powdercoating available to order



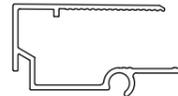
DPACEC54 - Connector End Cap (54mm)
 Stocked in Mill and Clear Anodised Finish
 Powdercoating available to order
 Suitable for DPAC54 Aluminium Connector (DPAC54)

PANEL RETENTION CLIPS / KNEE FASTENERS

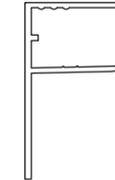


DPKFHD - Knee Fastener / Panel Clip (Heavy Duty)
 Stocked in Stainless Steel

CAPPING PROFILES



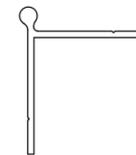
DPAPEC - Aluminium Pivot End Cap
 Stocked in Clear Anodised Finish
 Powdercoating available to order
 Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels
 (*16mm variant shown)



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)

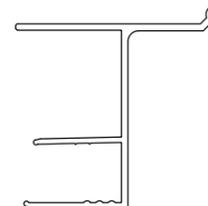


DPALPR - Aluminium Lower Pivot Roof
 Stocked In Mill Finish
 Anodising and Powdercoating available to order
 Suitable for Aluminium Pivot End Cap (DPAPEC)



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

WALL / FASCIA MOUNTING PROFILES

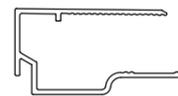


DPAUP - Aluminium Upper Pivot
 Stocked in Mill Finish
 Anodising and Powdercoating available to order
 Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels
 (*16mm variant shown)
 Suitable for Aluminium Fascia Wall Mount (DPAFWM) only
 Suitable for Polycarbonate Connector (DPC) and Aluminium Connector 30mm (DPAC30)

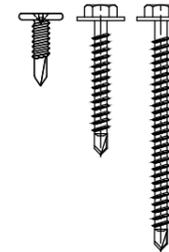


DPAFWM - Aluminium Fascia Wall Mount
 Stocked In Mill Finish
 Anodising and Powdercoating available to order
 Suitable for Aluminium Upper Pivot (DPAUP) only

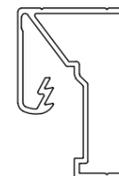
OTHER PROFILES AND ACCESSORIES



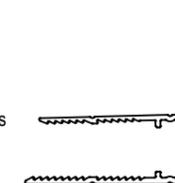
DPAEC - Aluminium End Cap (Non-Pivot)
 Stocked in Clear Anodised Finish
 Powdercoating available to order
 Suitable for 8mm, 10mm, 12mm and 16mm Danpalon® Panels
 (*16mm variant shown)



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



DPACS30 - Aluminium Side Connector (30mm)
 Stocked in Mill Finish
 Anodising and Powdercoating available to order
 Suitable for 8mm (using tape), 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

Drawing Series:
DANPAL TRADITIONAL MULTICELL ROOFING STANDARD DETAILS

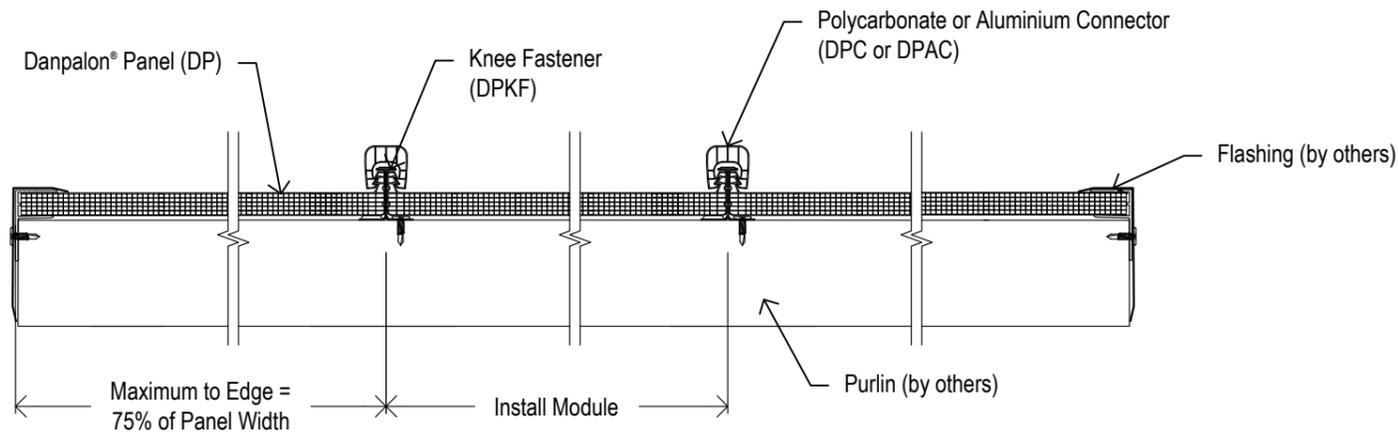
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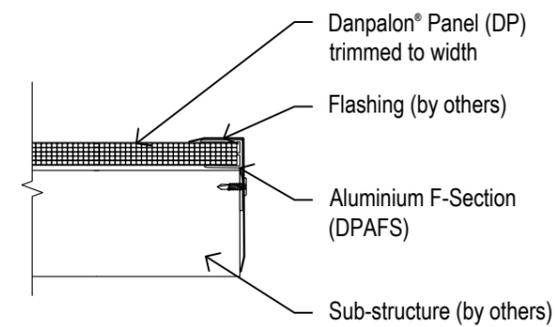
Revision:
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 Sheet:
2 of 4

PANEL SET OUT

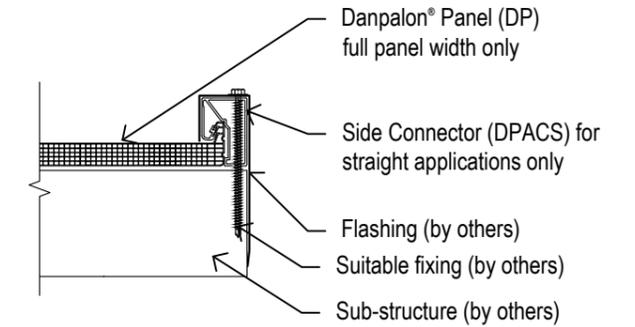
Panel Thickness	Panel Width	Install Module
8mm	600mm	602mm
10mm	600mm	602mm
12mm	900mm	902mm
16mm	1040mm	1042mm
3DLite	600mm	601mm



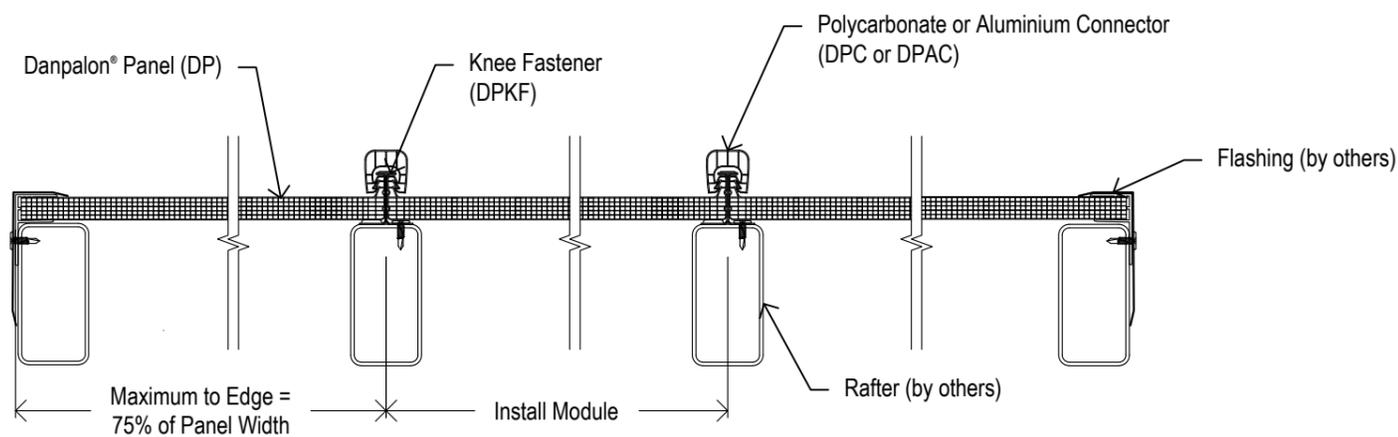
○ CROSS SECTION OVER PURLINS



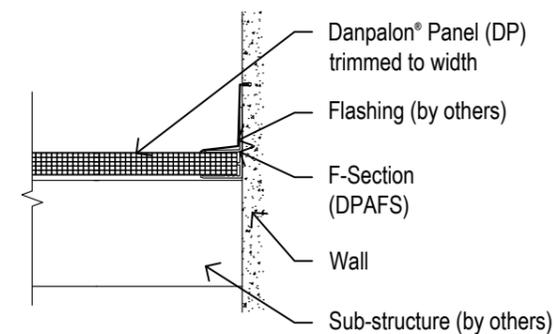
○ CUT PANEL EDGE DETAIL



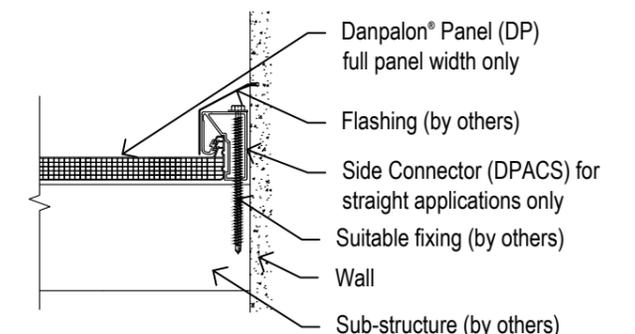
○ FULL PANEL EDGE DETAIL



○ CROSS SECTION OVER RAFTERS



○ CUT PANEL WALL DETAIL



○ FULL PANEL WALL DETAIL



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CROSS SECTION DETAILS
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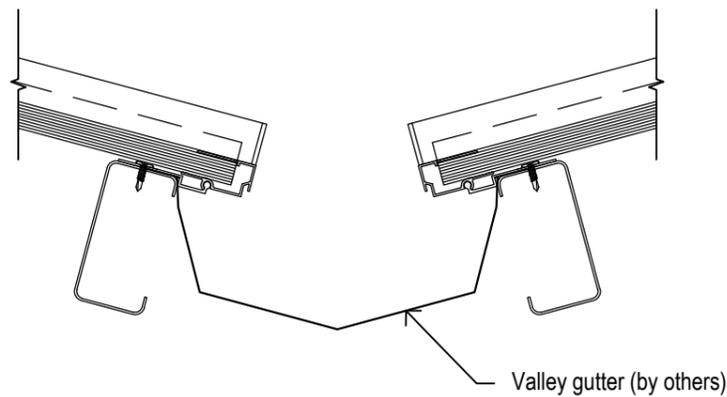
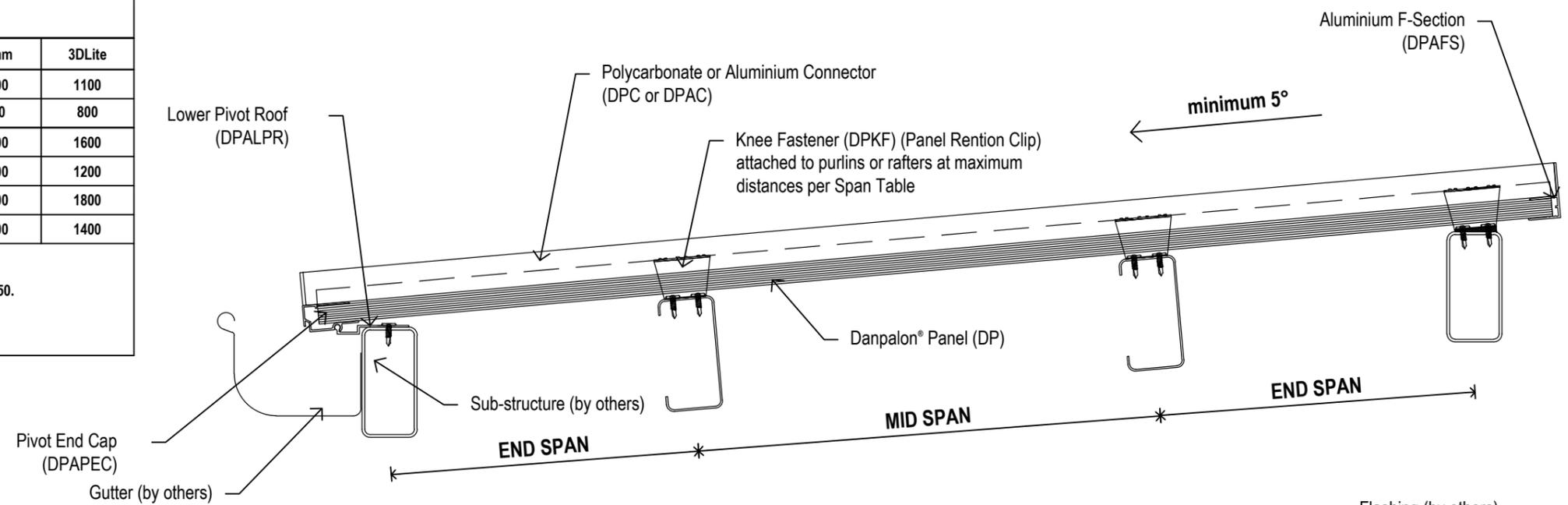
Revision:
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Sheet:
3 of 4

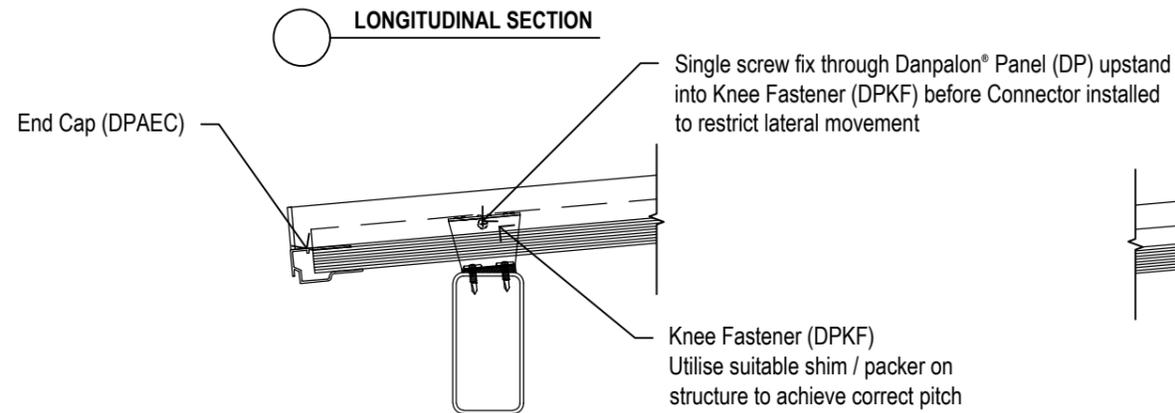
SPAN TABLE

Connector	Span Type	8mm	10mm	12mm	16mm	3DLite
Polycarbonate Connector (DPC)	Mid Span	900	1100	1100	1300	1100
	End Span	700	800	800	900	800
30mm Aluminium Connector (DPAC30)	Mid Span	1400	1600	1600	1600	1600
	End Span	1000	1200	1200	1200	1200
54mm Aluminium Connector (DPAC54)	Mid Span	1600	1800	1800	1800	1800
	End Span	1200	1400	1400	1400	1400

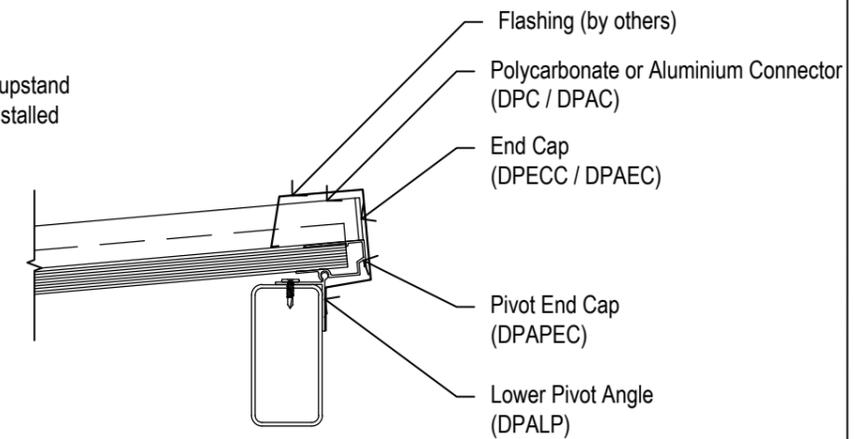
Above figures are in millimetres (mm).
 Design load 1 kPA (ultimate) 0.7 kPA (serviceable). Deflection criteria span / 50.
 Curved spans vary according to desired radius.
 Please consult Danpal Australia for any other situations and more information.



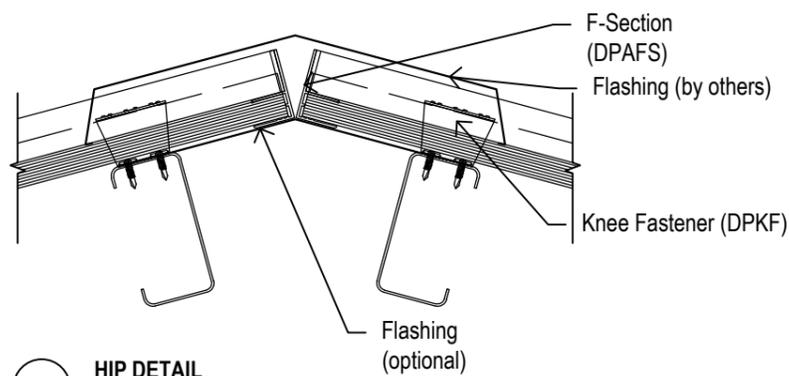
VALLEY DETAIL



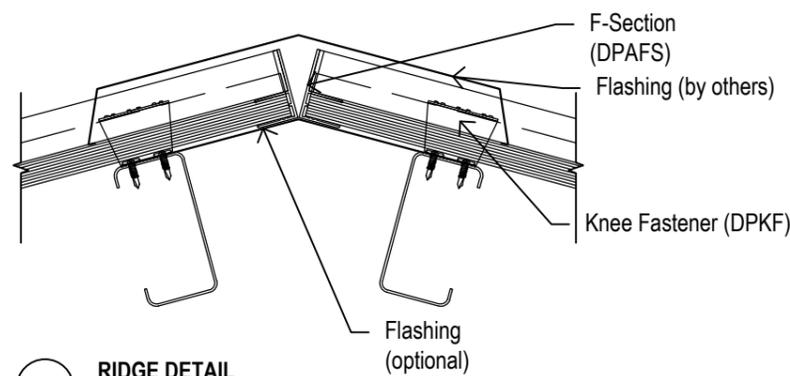
ALTERNATE EAVE DETAIL



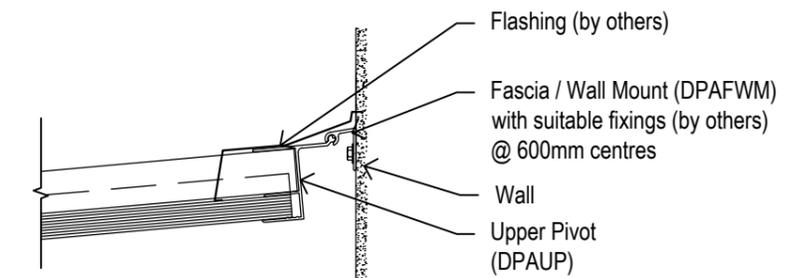
ALTERNATE HEAD DETAIL (UP TO 6000MM LENGTH)



HIP DETAIL



RIDGE DETAIL



WALL MOUNT (UP TO 6000MM LENGTH)



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Revision:
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Sheet:
4 of 4