



Deluxe

Construction Guide

September 2008

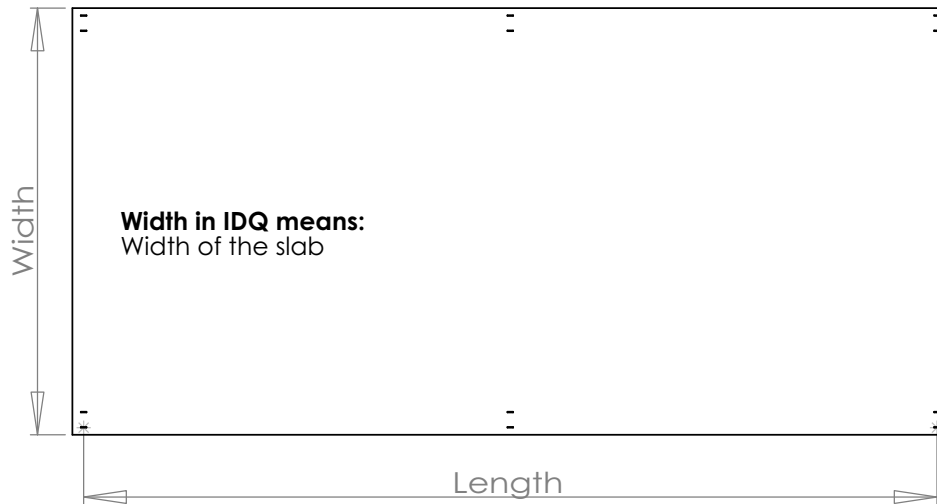
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In Business Systems Pty, Ltd

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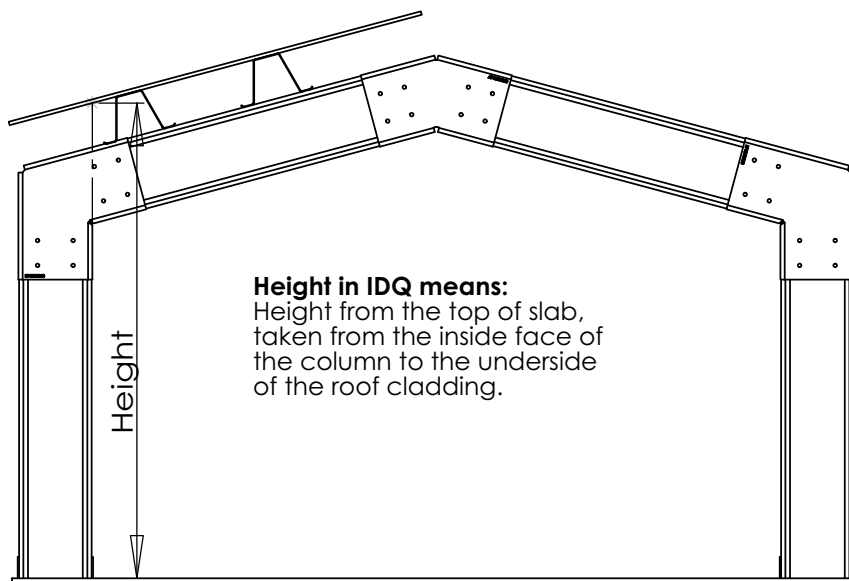
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NOMINAL DIMENSIONS

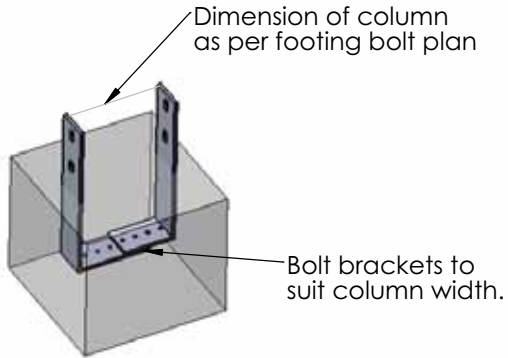
IDQ utilizes the underlisted measurements to calculate lengthwidth - height



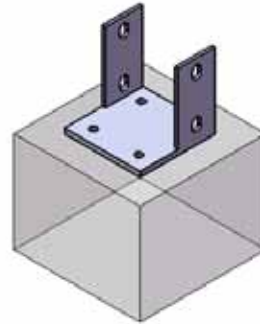
Length in IDQ means:
Center line to center line
of the end portals



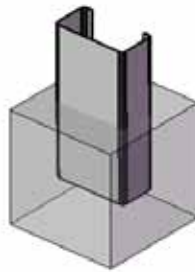
FOOTING BRACKET DETAILS



IN SLAB BRACKETS (FB)



ON SLAB BRACKET (ON)

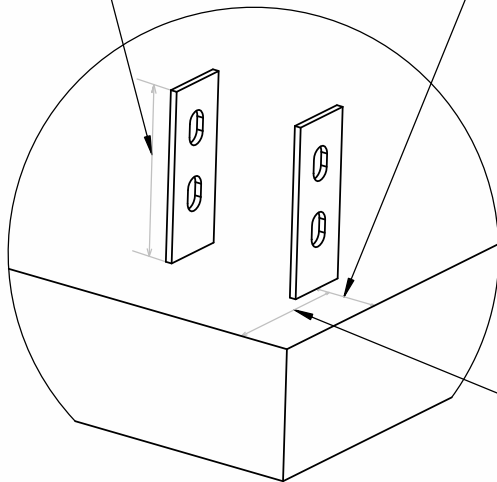


COLUMN IN SLAB (IN)

FOOTING BRACKET SETTINGS

61/64 Girts = 130mm
 96mm = 140mm
 120mm = 140mm

61/64 mm Girts = 50mm
 96mm Girts = 85mm
 120mm Girts = 109mm

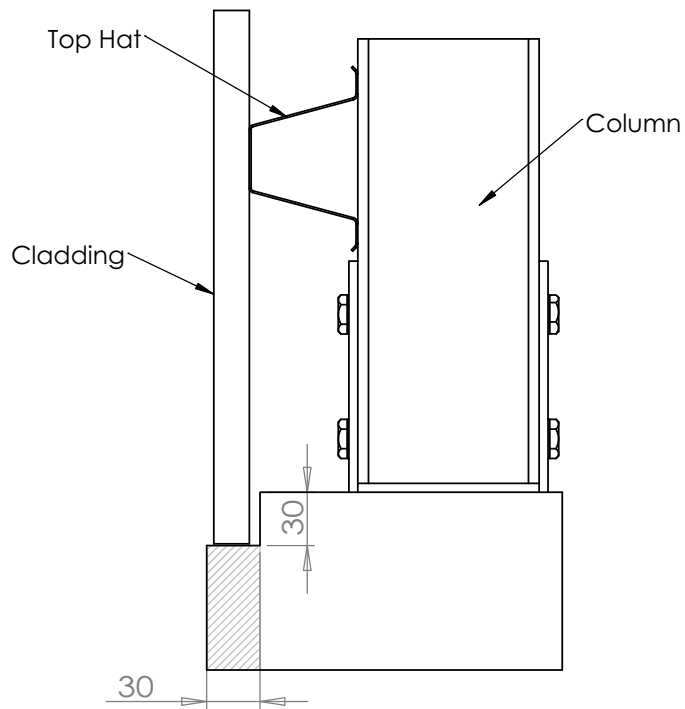
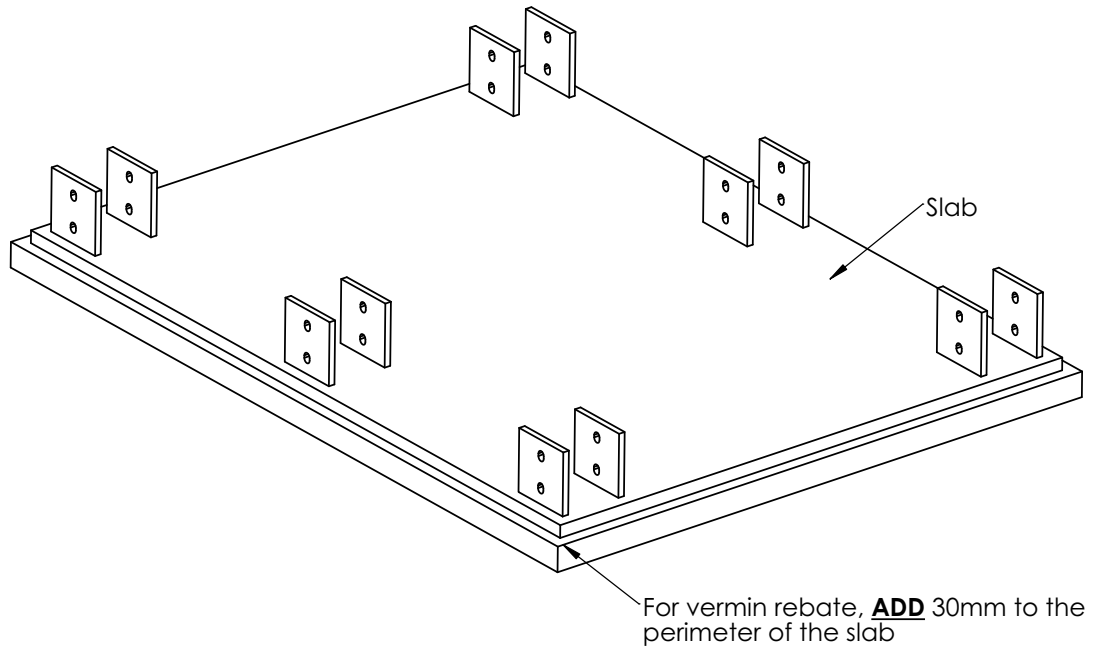


General

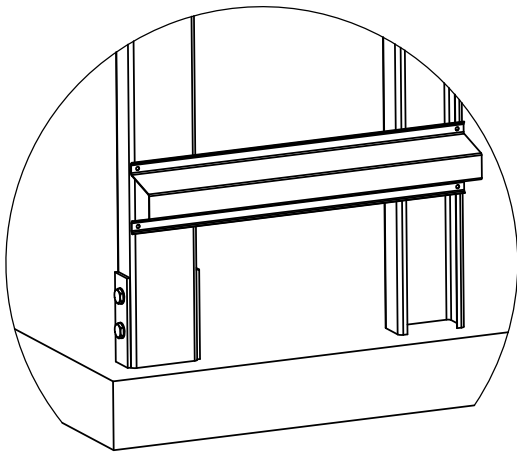
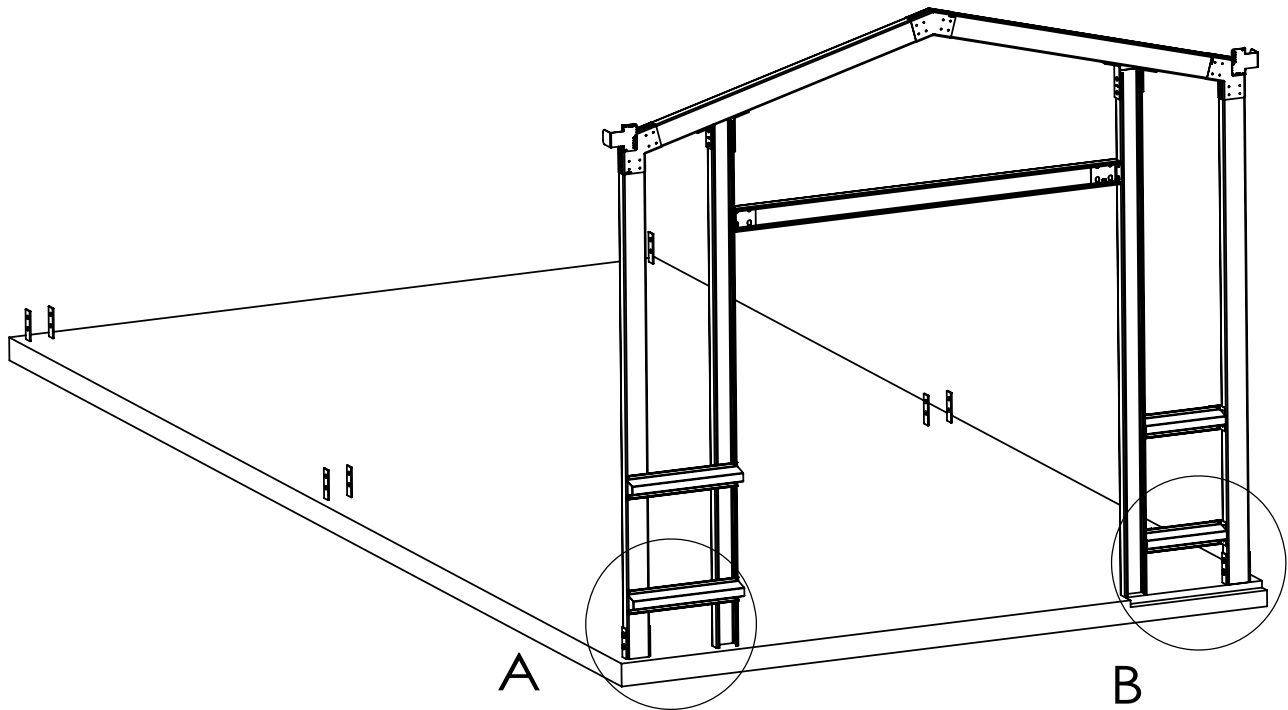
Buildings to 3.5m bays use 61/64 Top Hat Girts & Purlins
 Buildings to 4.5m bays use 96 Top Hat Girts & Purlins
 Buildings to 6.0m bays use 120 Top Hat Girts & Purlins

C-SECTION	TOP HAT (mm)		
	61/64 TH	96 TH	120 TH
100	81		
150	88	123	147
200	94	129	153
250	94	129	153
300		139	163
350		153	177

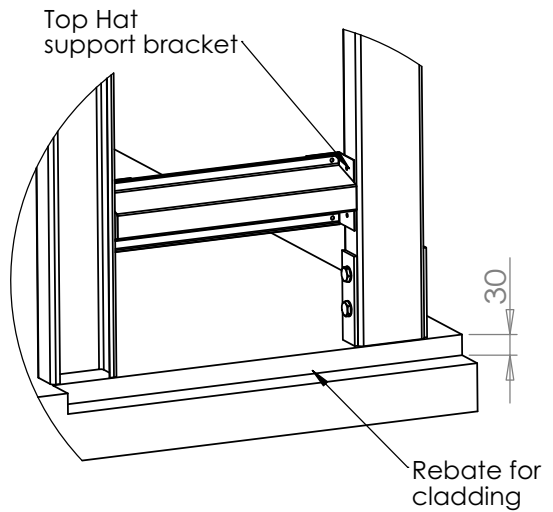
VERMIN REBATE DETAILS (Where desired)



SLAB DETAILS FOR TYPICAL GABLE ROLLER DOOR ENTRY

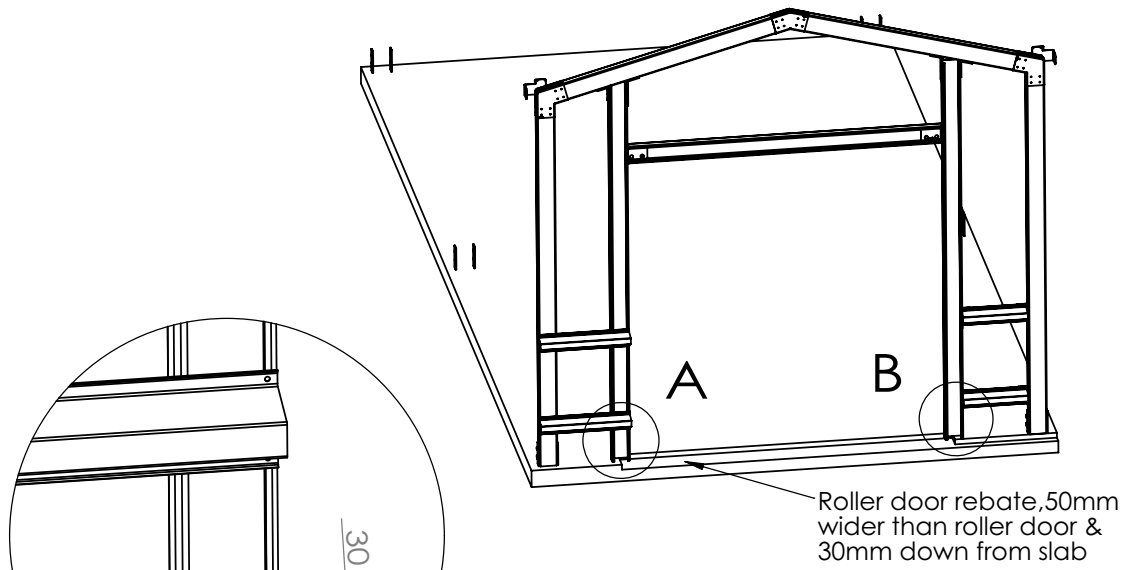


DETAIL A
If Top Hats on top
of the columns

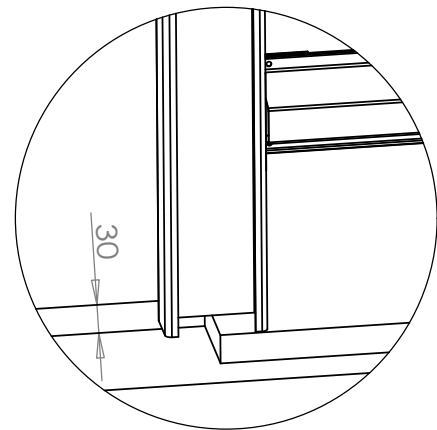


DETAIL B
If Top Hats
between columns

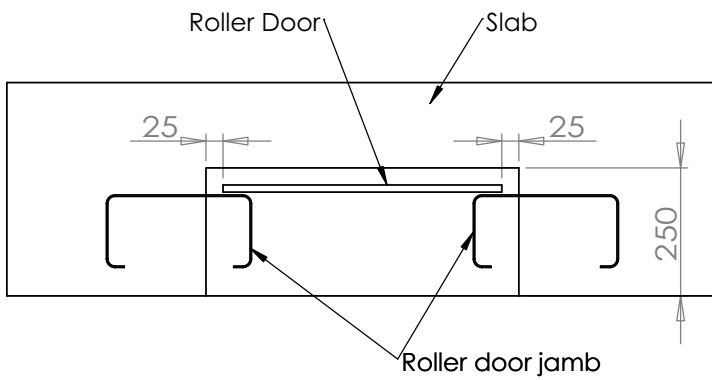
ROLLER DOOR REBATE DETAILS (Where desired)



Detail A
Top Hats on
top of columns



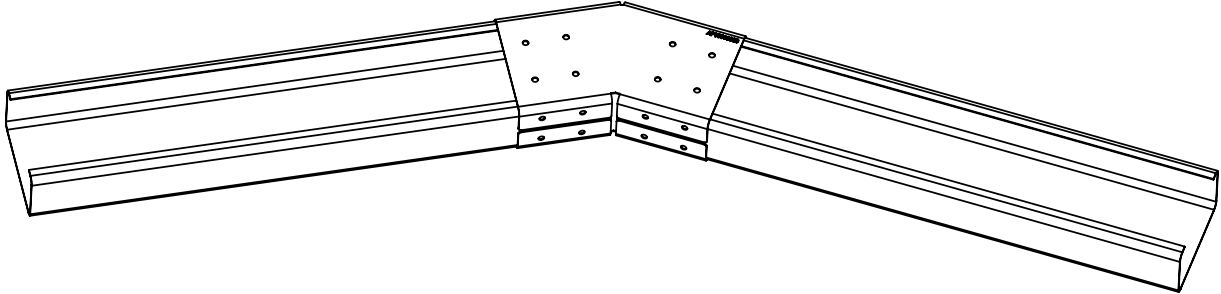
Detail B
Top Hats
between columns



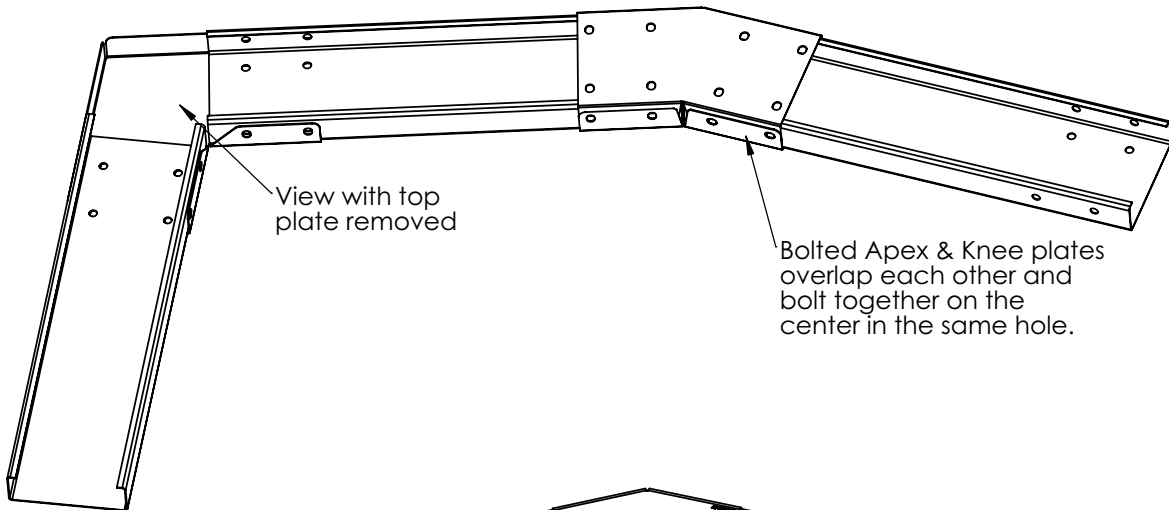
**Roller door rebate
Plan View**

TRUSS ASSEMBLY

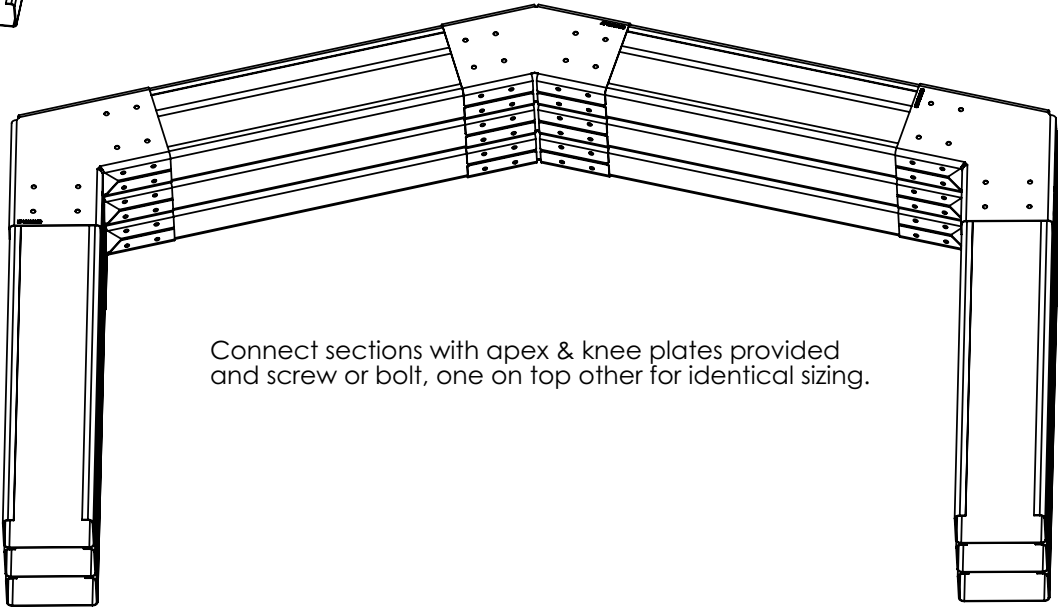
Screwed frame plates
meet in center of flange



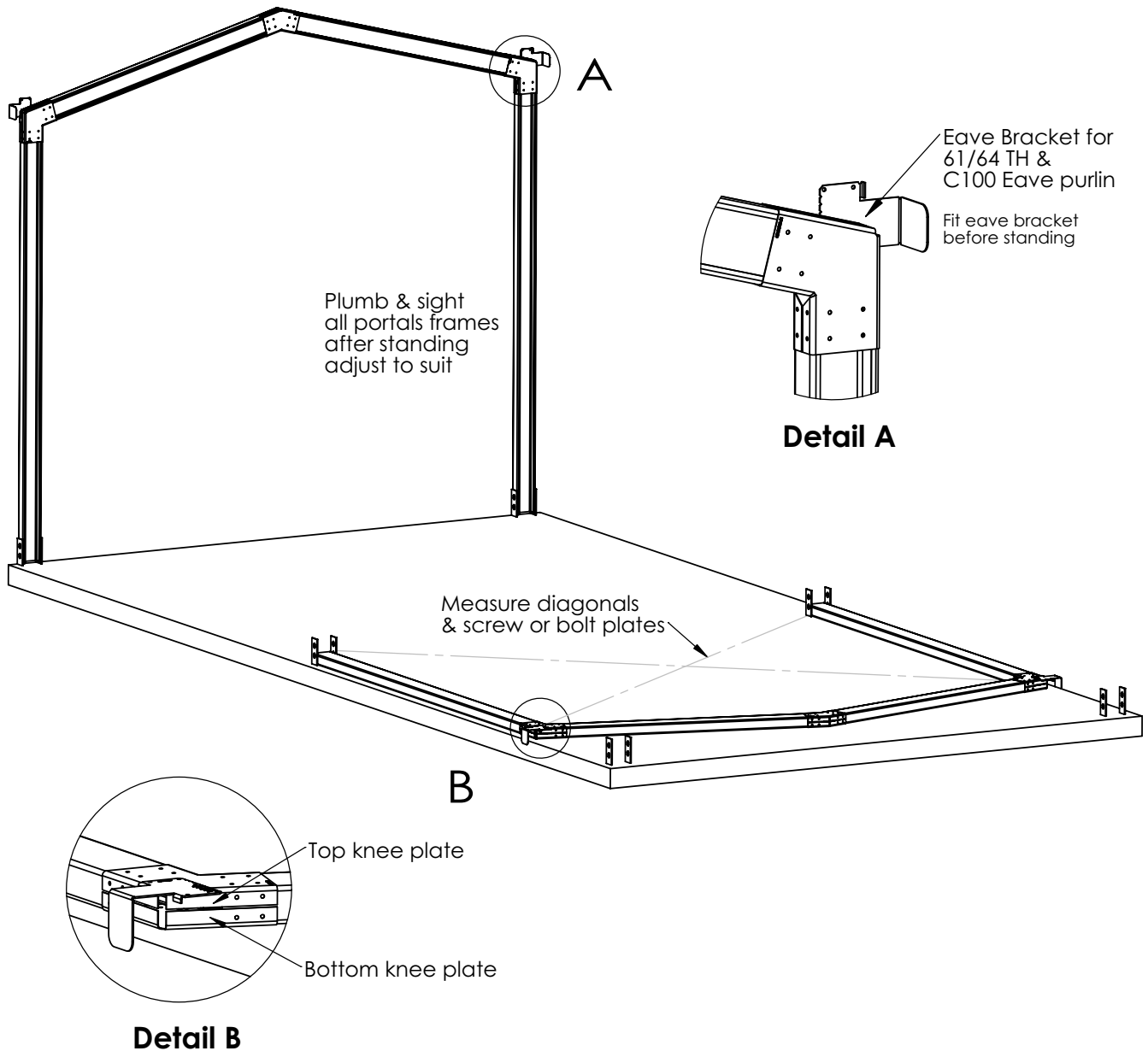
Bolted frame
plates overlap



Connect sections with apex & knee plates provided
and screw or bolt, one on top other for identical sizing.

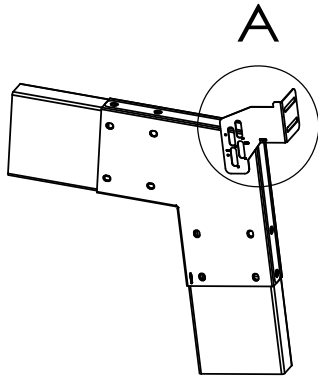


ASSEMBLE & STAND PORTAL COLUMNS

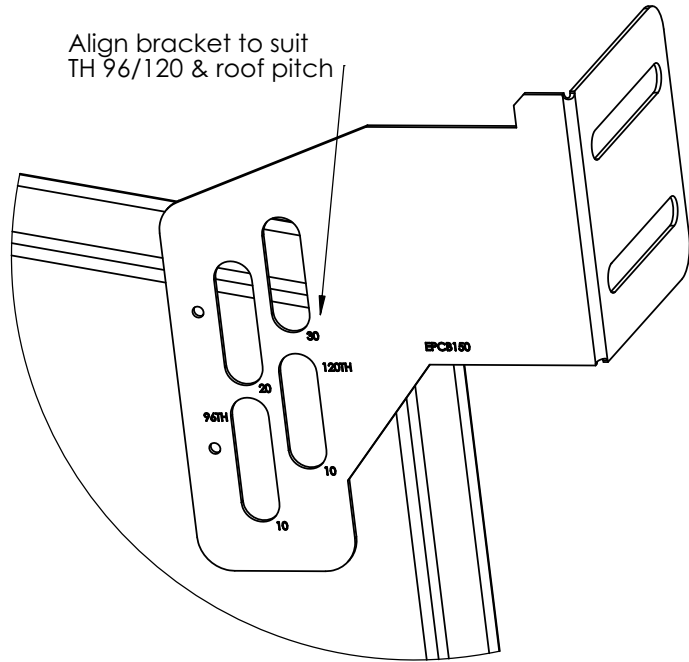


1. Lay portal columns in footing brackets
2. Attach loosely with 2 bolts (not 4)
3. Position bottom knee plates and lay pre-assembled truss in plates
4. Measure diagonally and when measurement is the same, screw or bolt bottom plate
5. Position and screw or bolt top knee plate
6. Screw eave bracket in position
7. Hinge portal upright and position other two bolts.

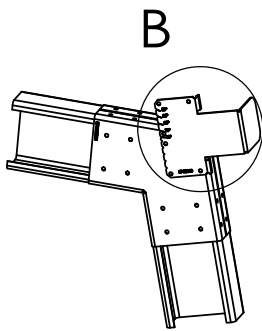
EAVE BRACKETS FITTING DETAILS



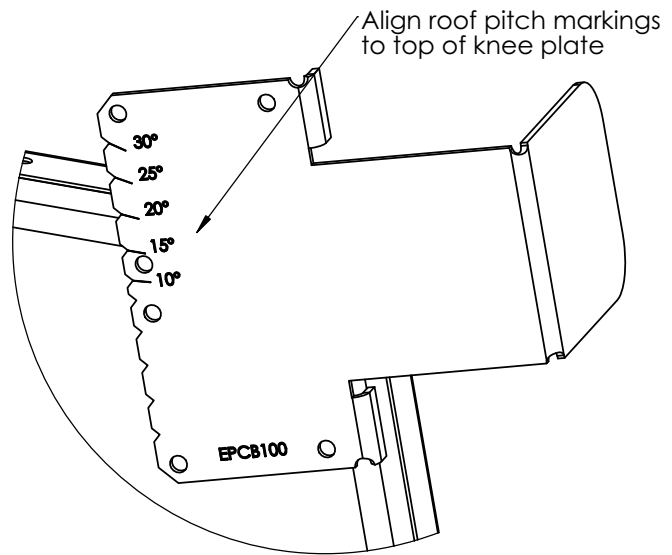
**Eave bracket for
96 & 120 Top Hat
C150 eave purlin**



Detail A

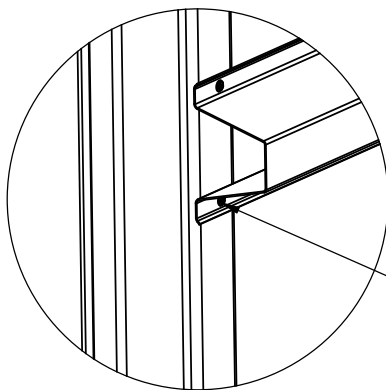
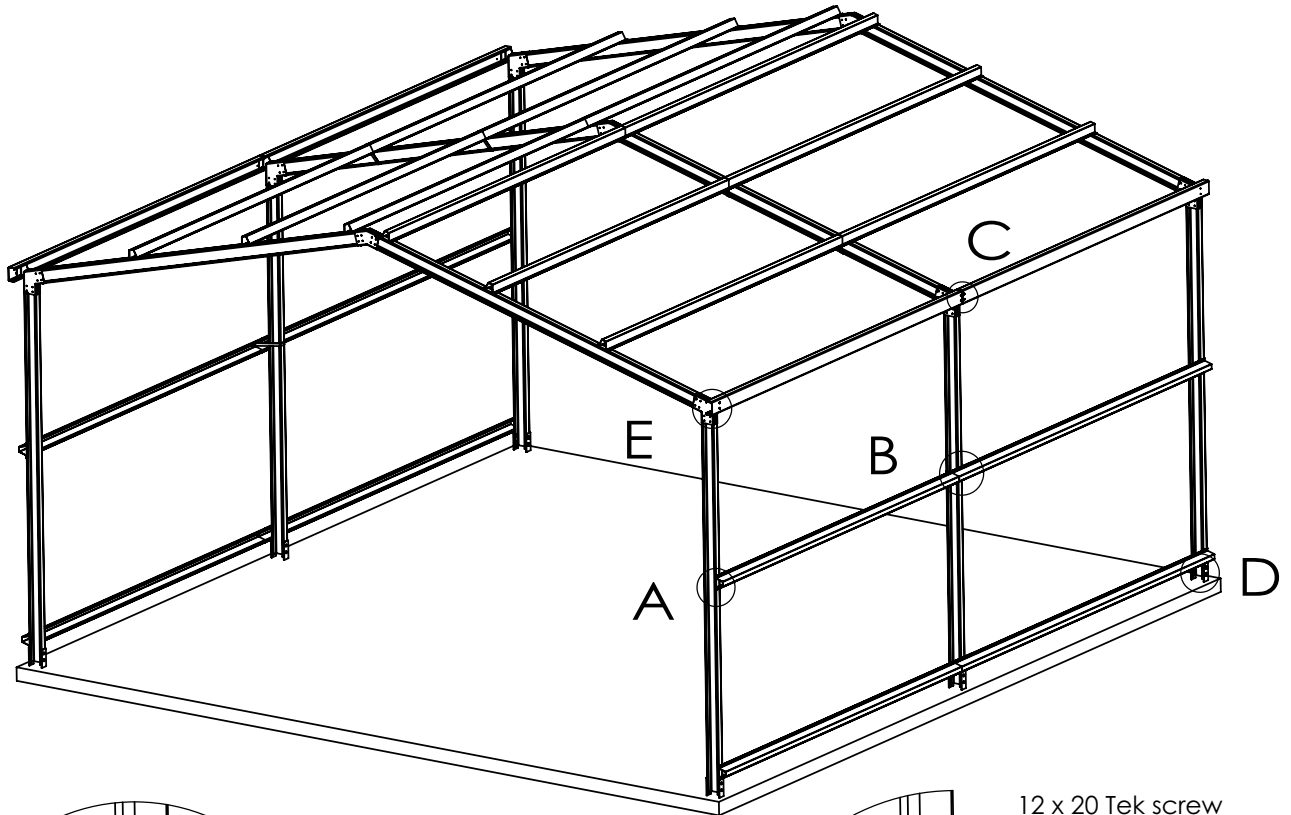


**Eave bracket for
61 & 64 Top Hat
C100 eave purlin**



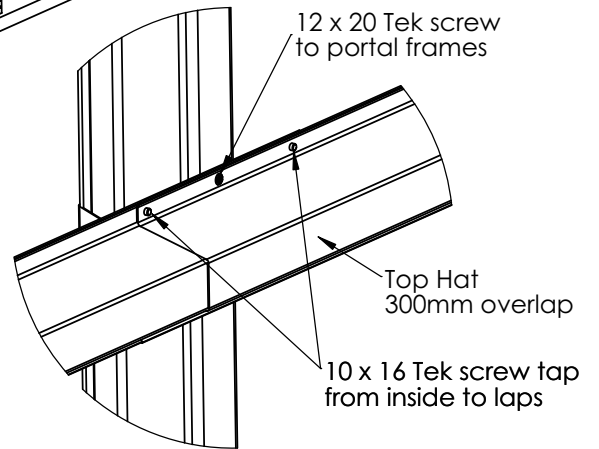
Detail B

SCREWS & BOLTS FIXING DETAILS

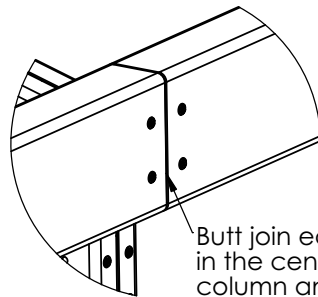


12 x 20 Tek screw to portal frames

Detail A

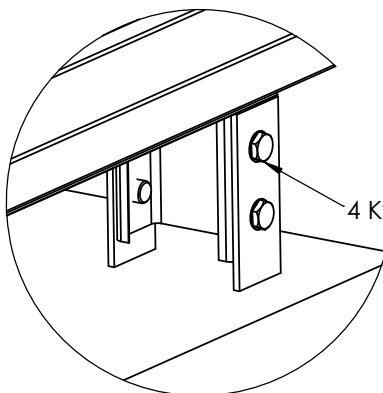


Detail B



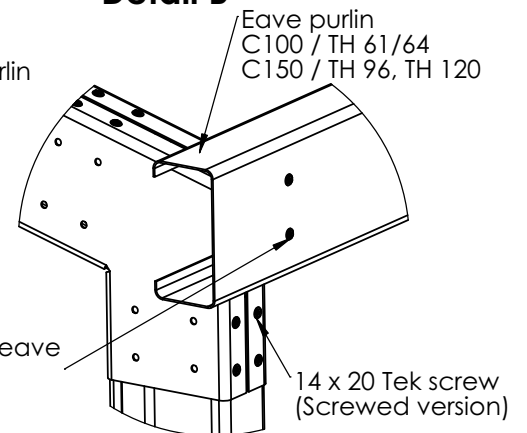
Butt joint eave purlin in the centre of column and fix

Detail C



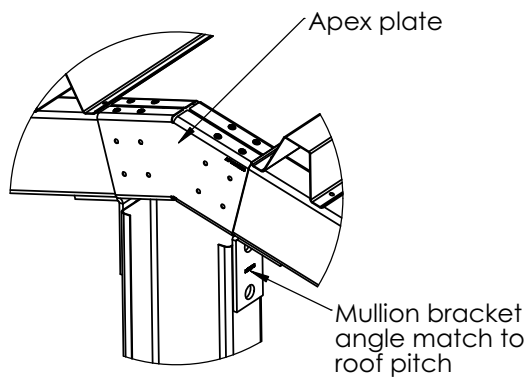
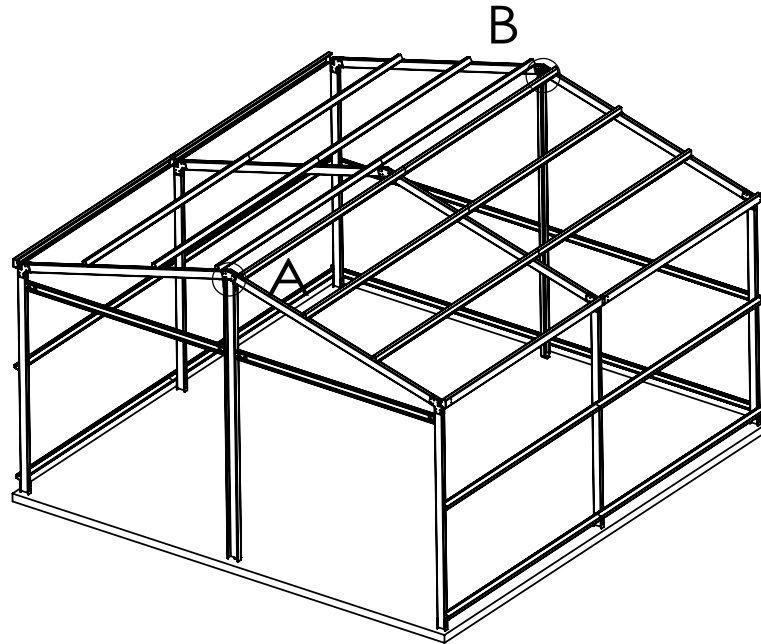
4 Kwikspan bolts

Detail D

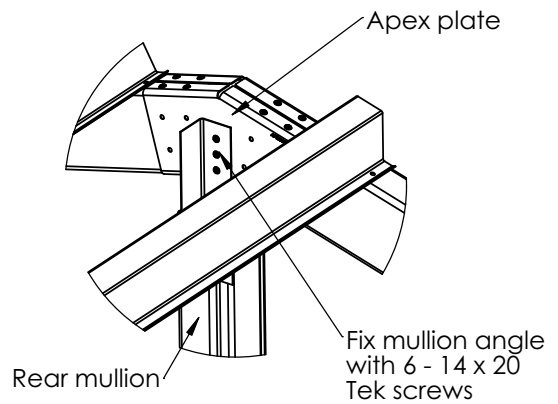


Detail E

FRONT & REAR MULLION APEX FIXING DETAILS

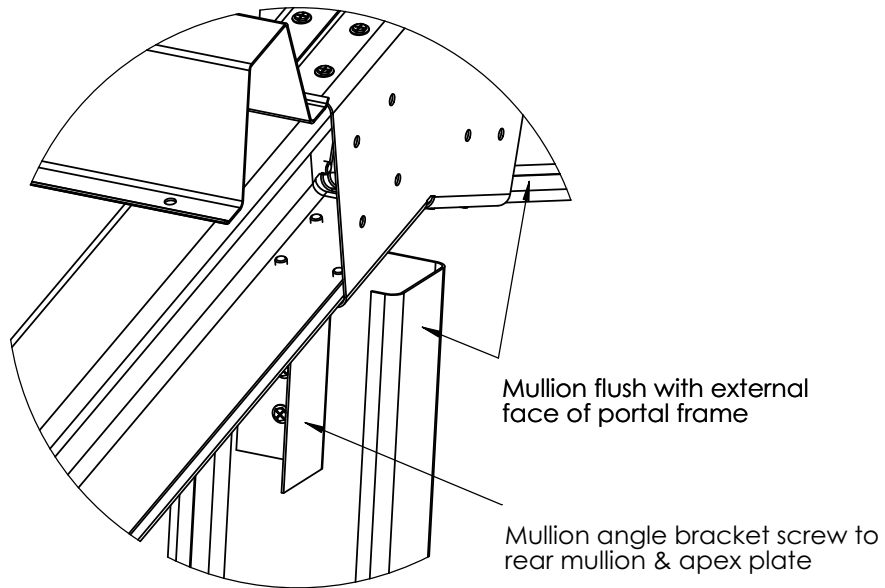
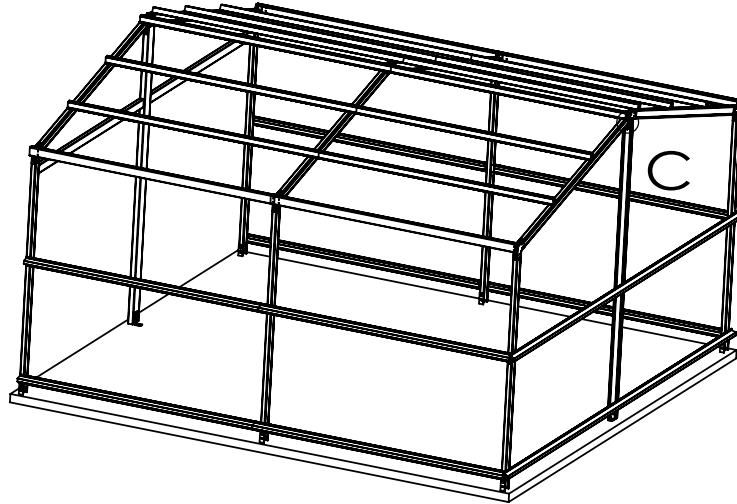


Detail A
Front mullion
front entry only
(Viewed Externally)



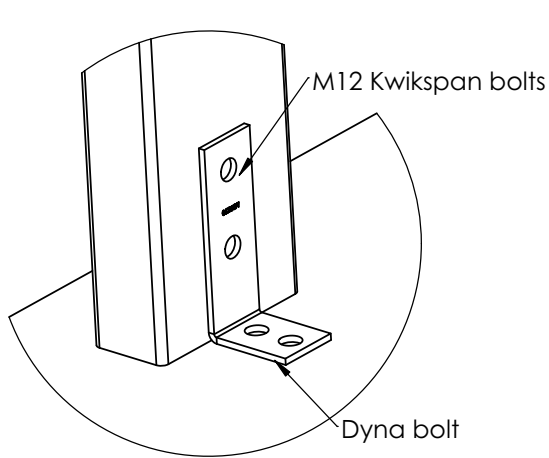
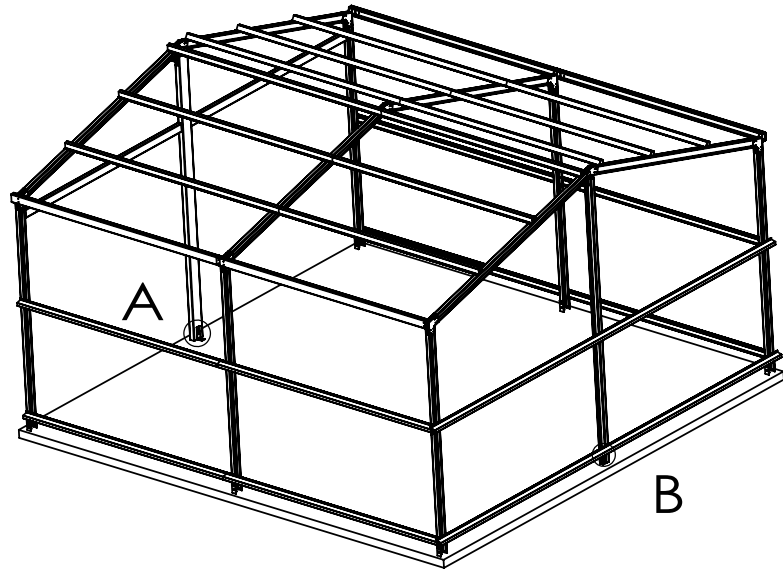
Detail B
Rear mullion
fixing details
(Viewed Internally)

REAR MULLION APEX FIXING DETAILS

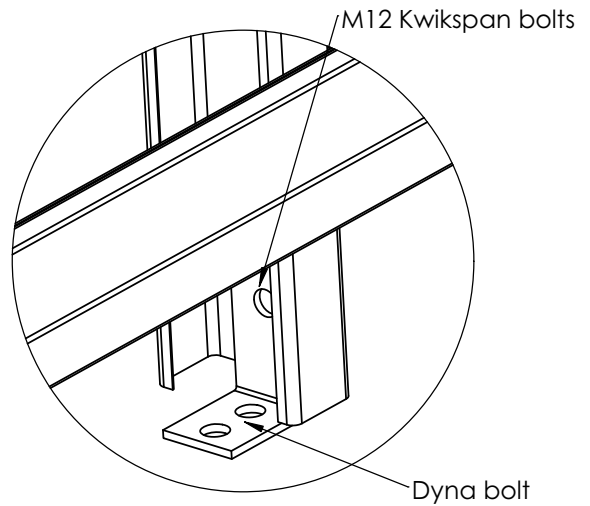


Detail C
Rear mullion
fixing details
(Viewed Externally)

FRONT & REAR MULLION SLAB FIXING DETAILS

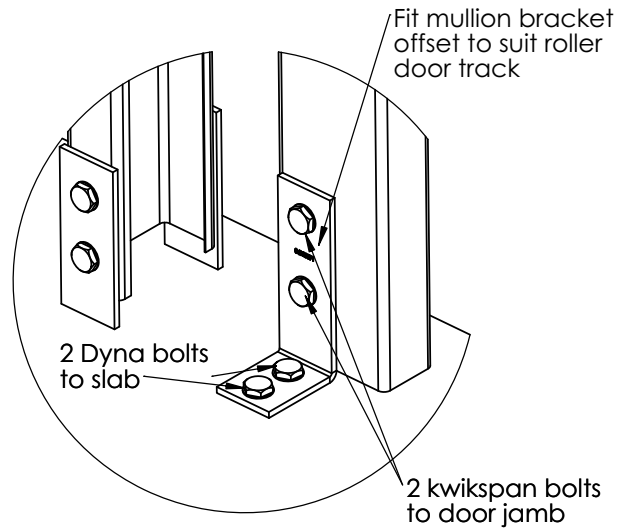
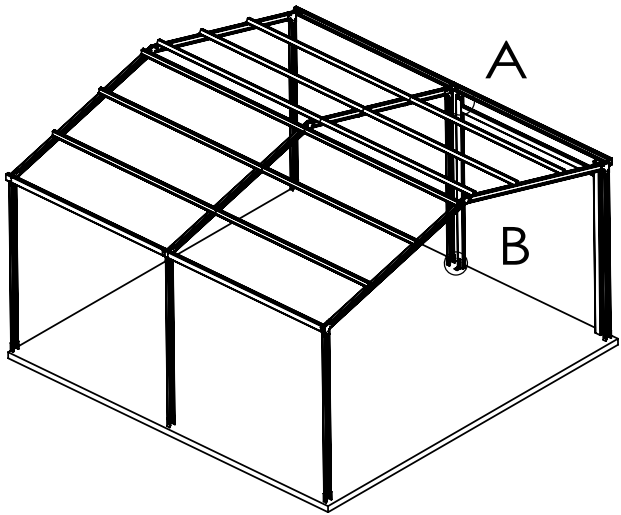


Detail A
Front mullion
slab fixing details

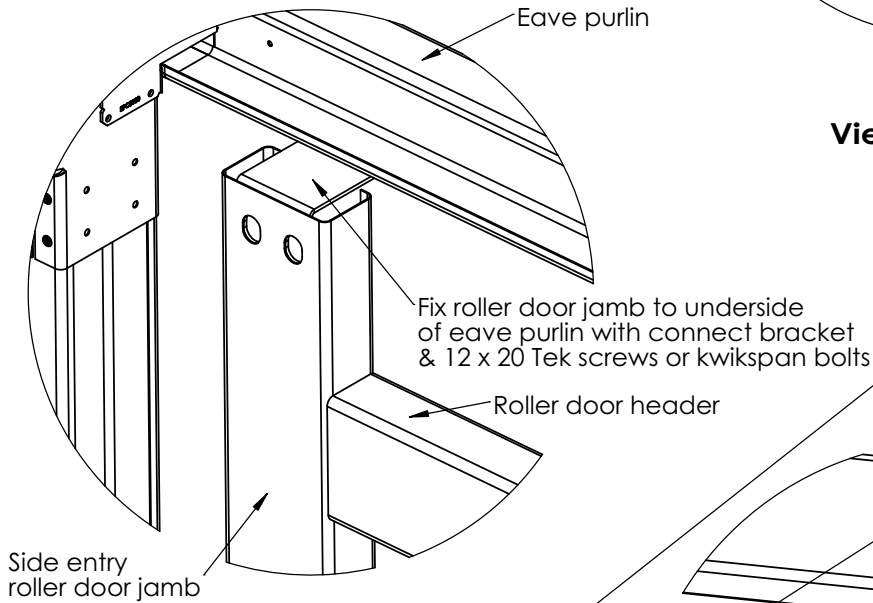


Detail B
Rear mullion
slab fixing details

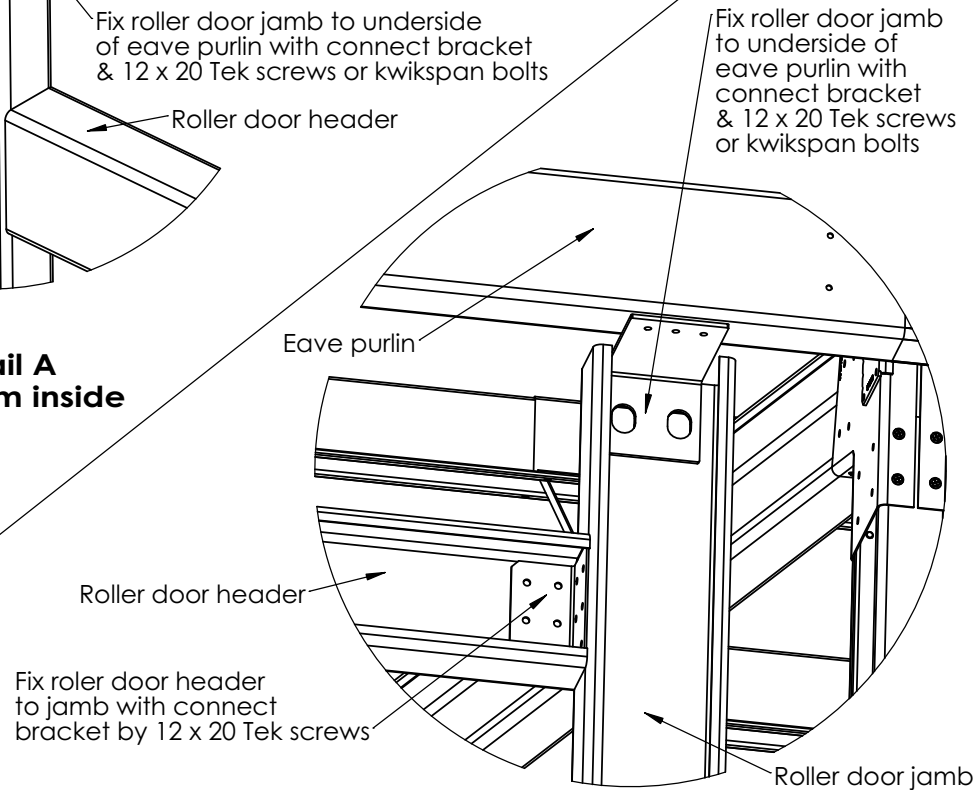
SIDE ENTRY ROLLER DOOR JAMB & HEADER FIXING DETAILS



Detail B
View from inside

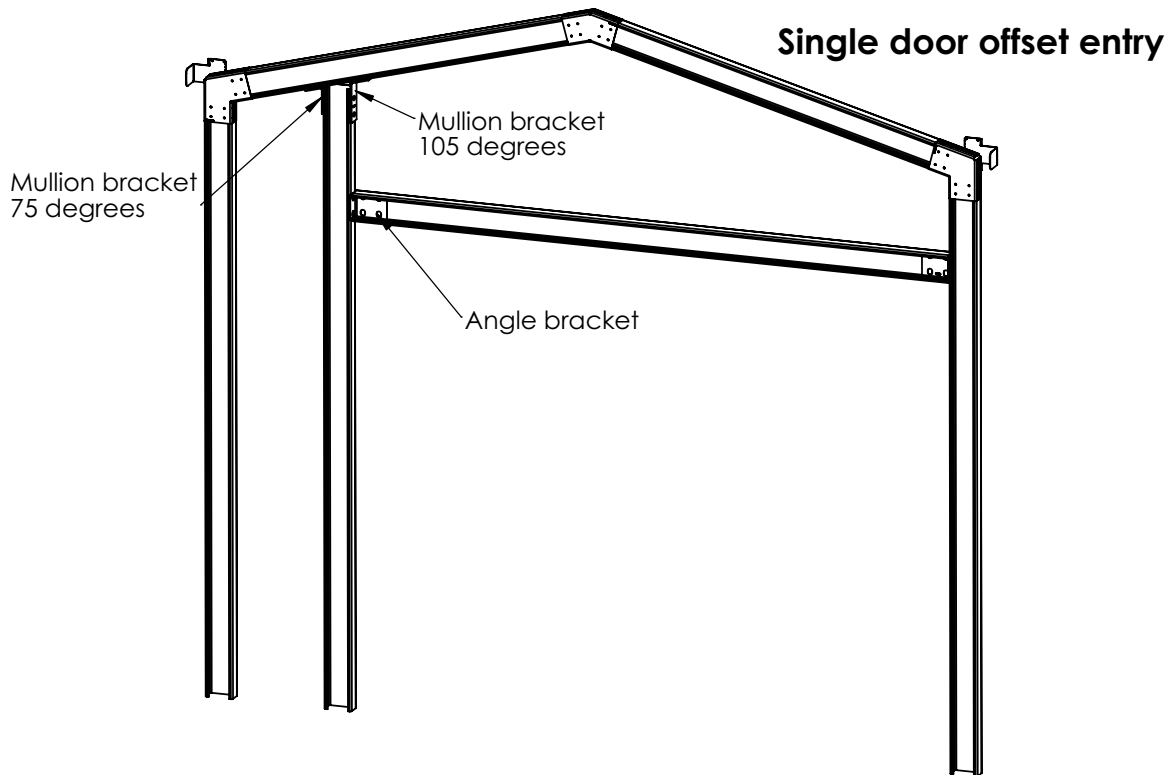
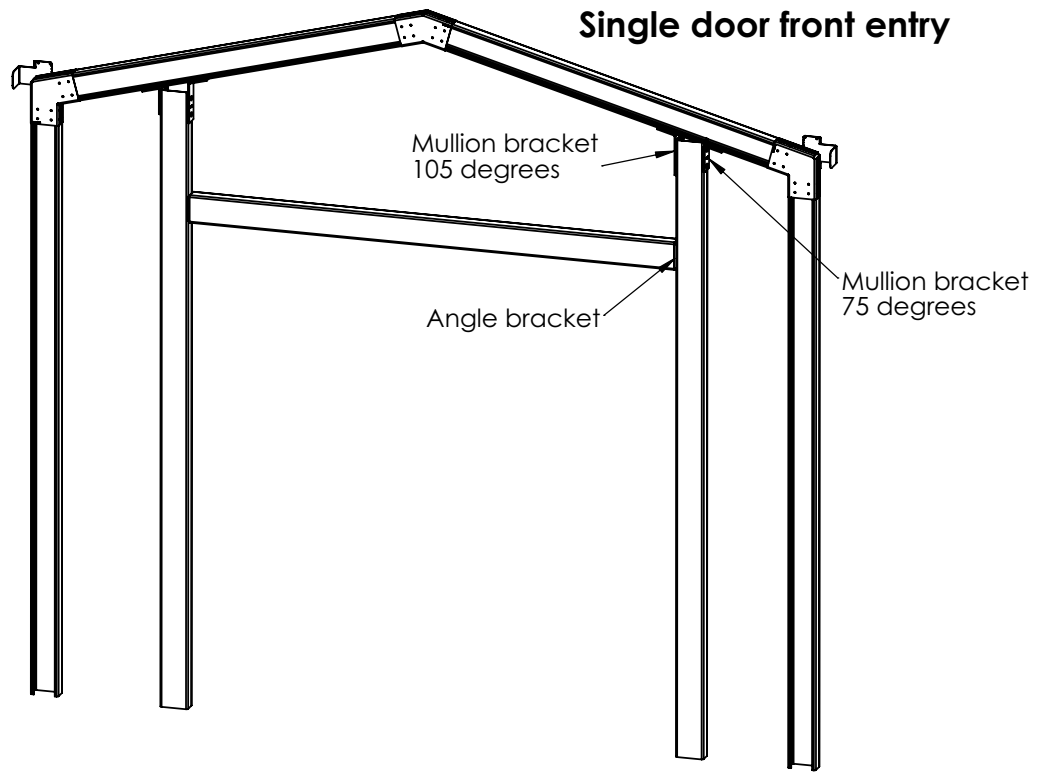


Detail A
View from inside



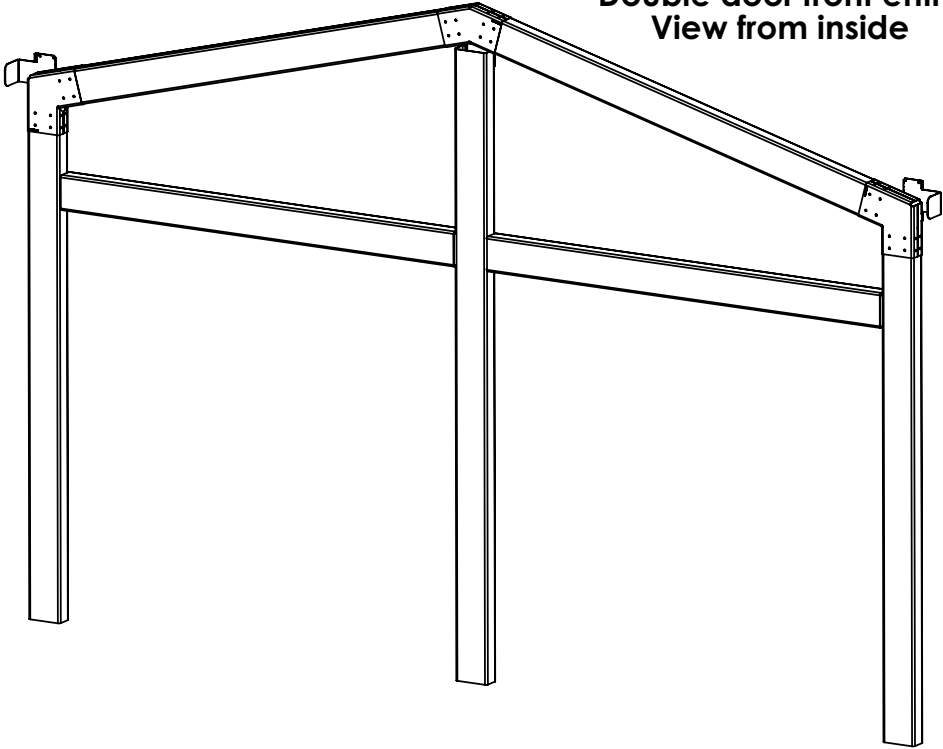
View from outside

TYPICAL GABLE END SINGLE ROLLER DOOR FIXING DETAILS



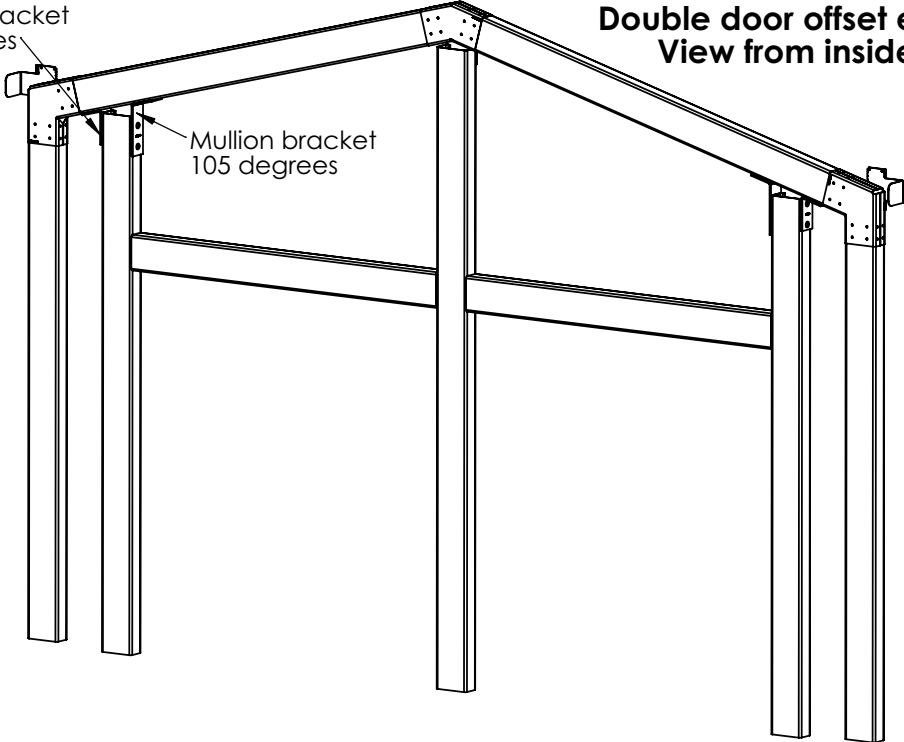
TYPICAL GABLE END DOUBLE ROLLER DOOR FIXING DETAILS

Double door front entry
View from inside



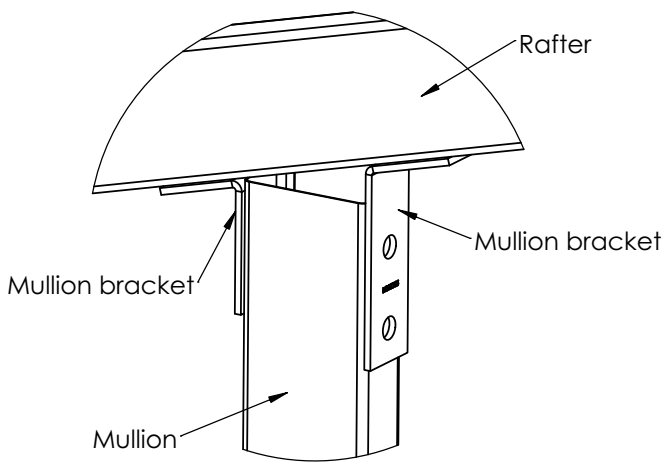
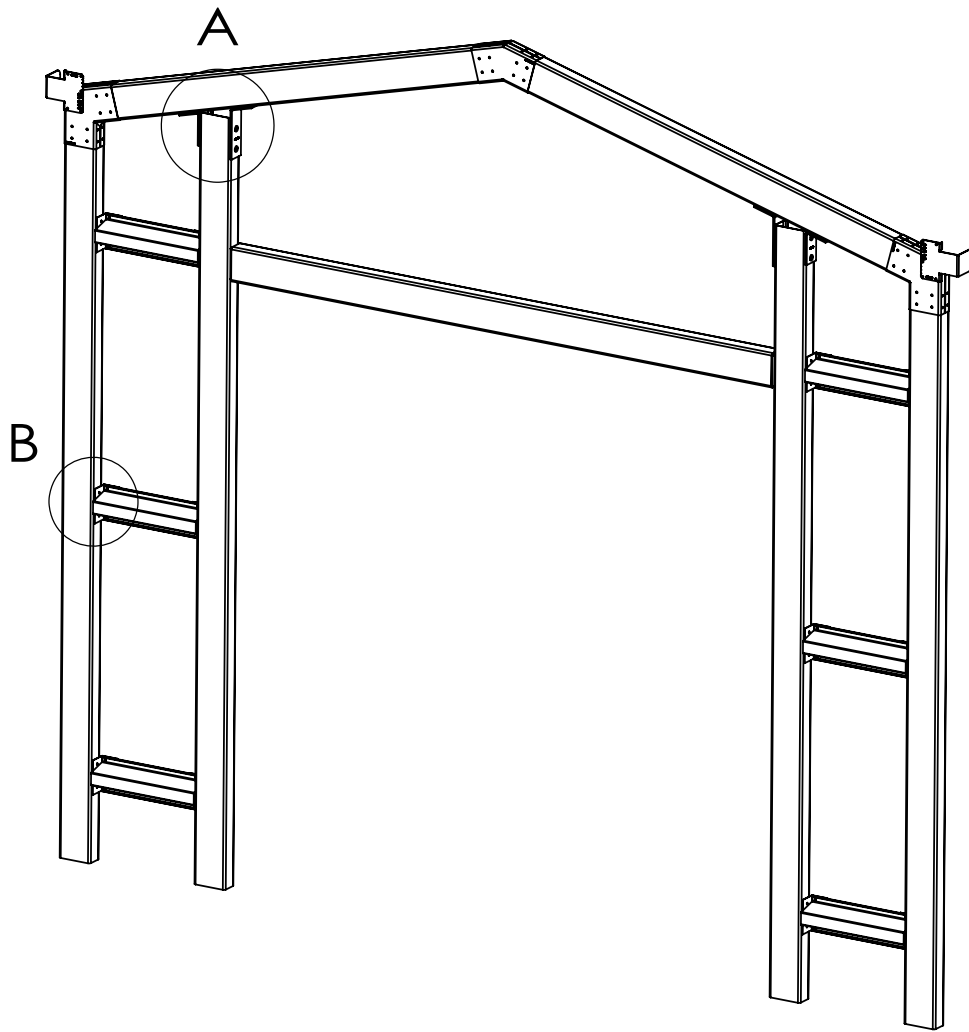
Mullion bracket
75 degrees

Double door offset entry
View from inside

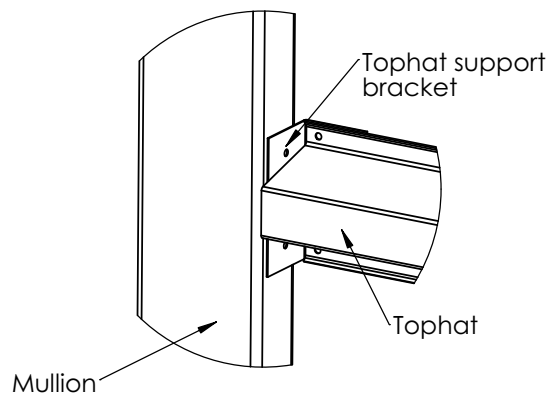


Mullion bracket
105 degrees

FRONT ENTRY ROLLER DOOR MULLION DETAILS



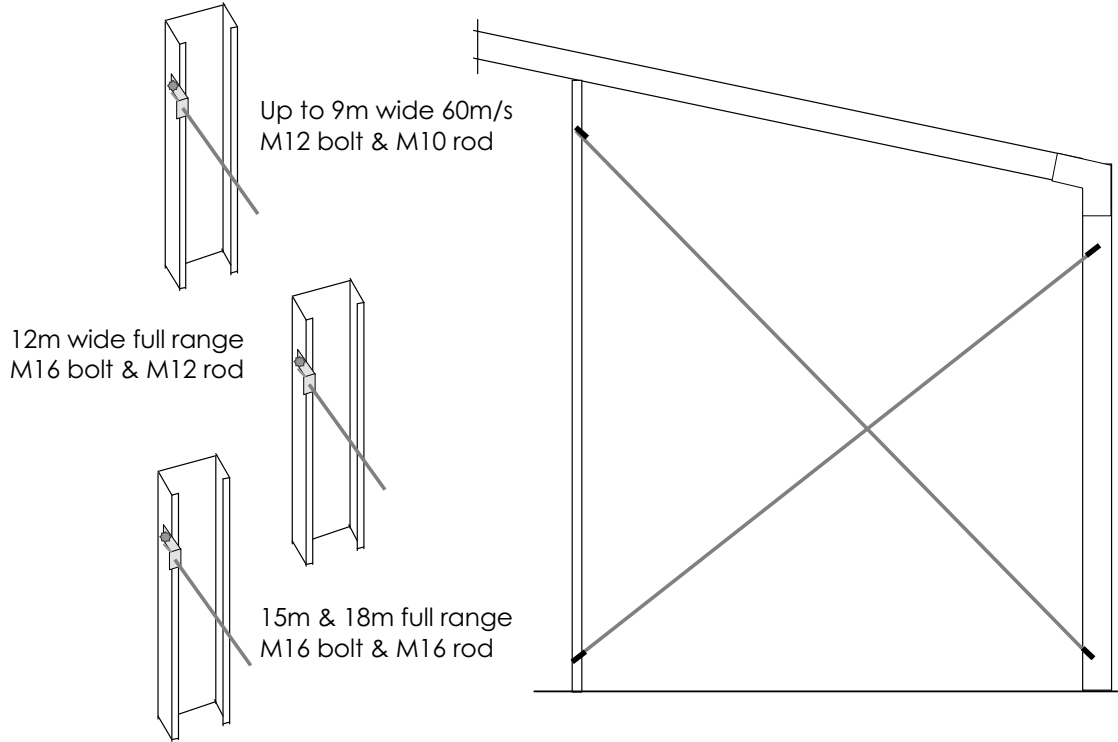
Detail A



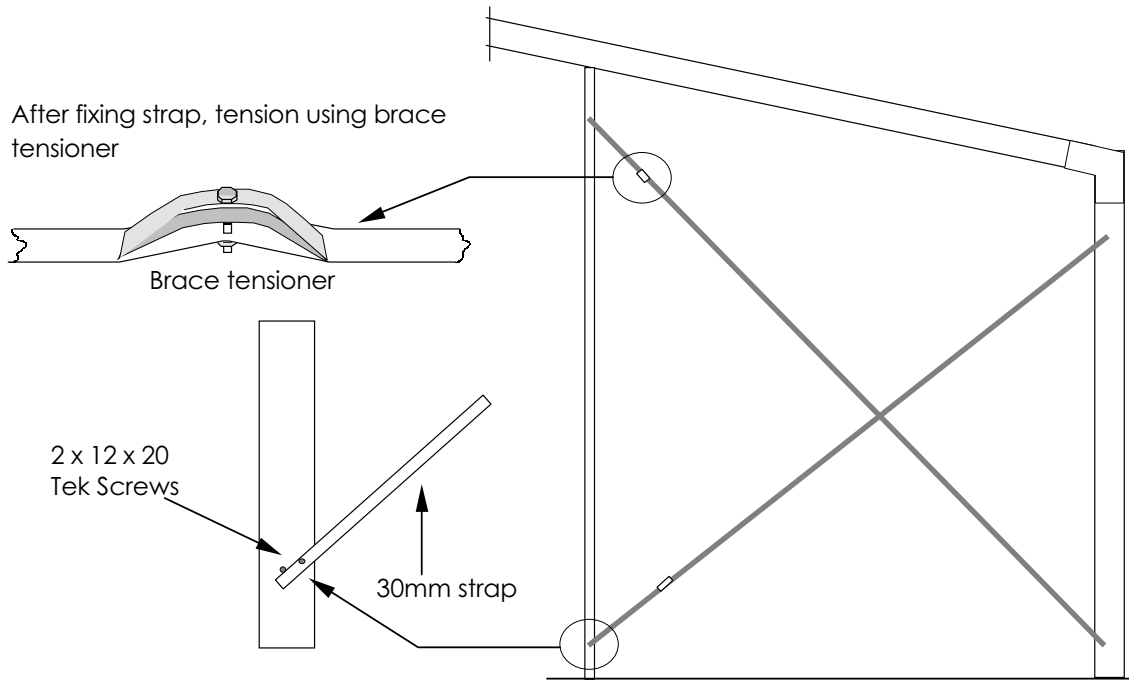
Detail B

ROD GABLE BRACE FOR END PORTAL

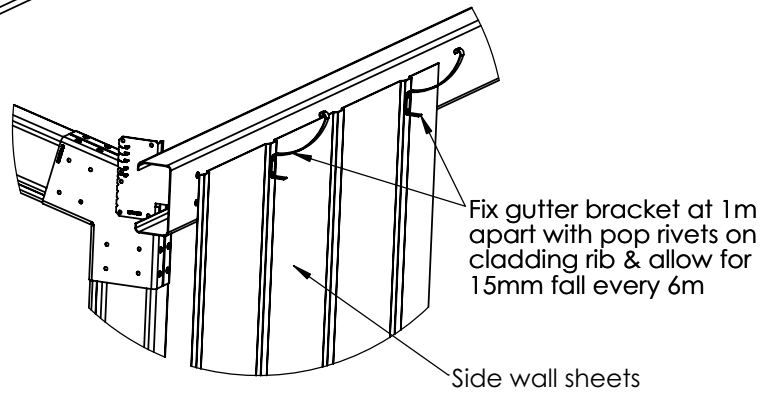
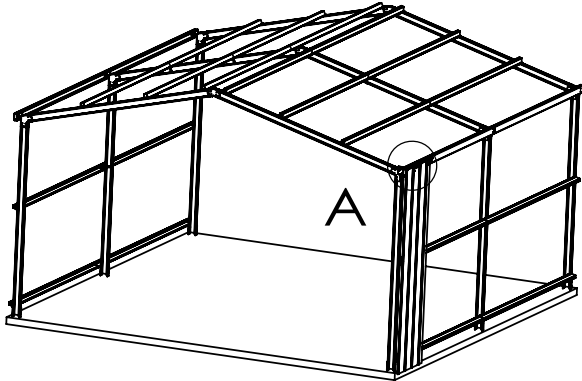
Fix gable brace onto mullion and column using brace angle and rod supplied



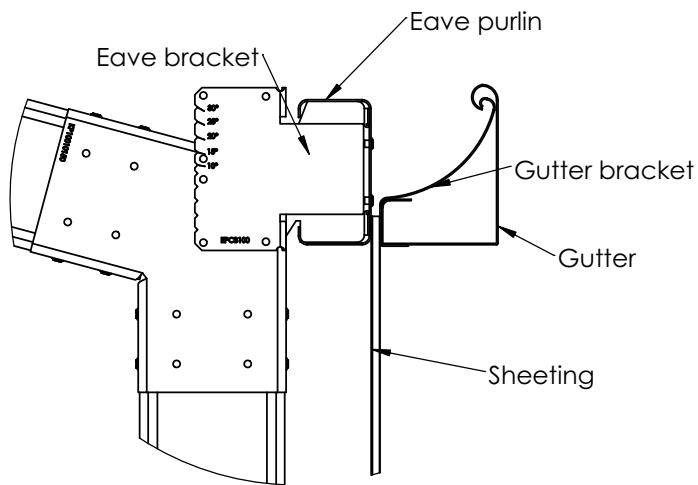
STRAP GABLE BRACE



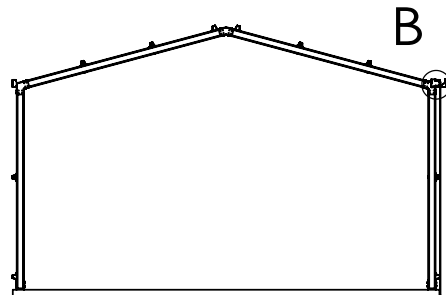
GUTTER FIXING DETAILS



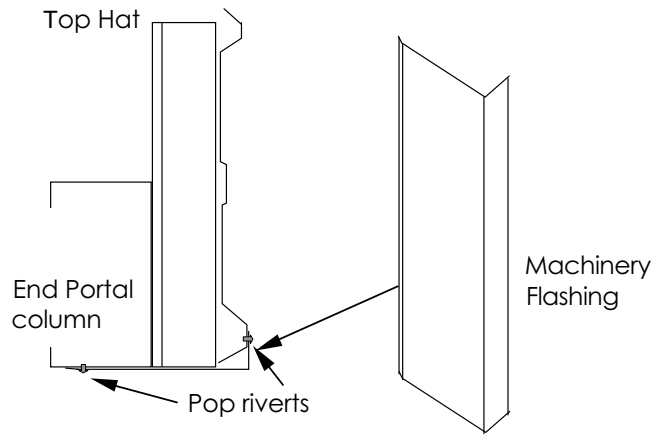
Detail A



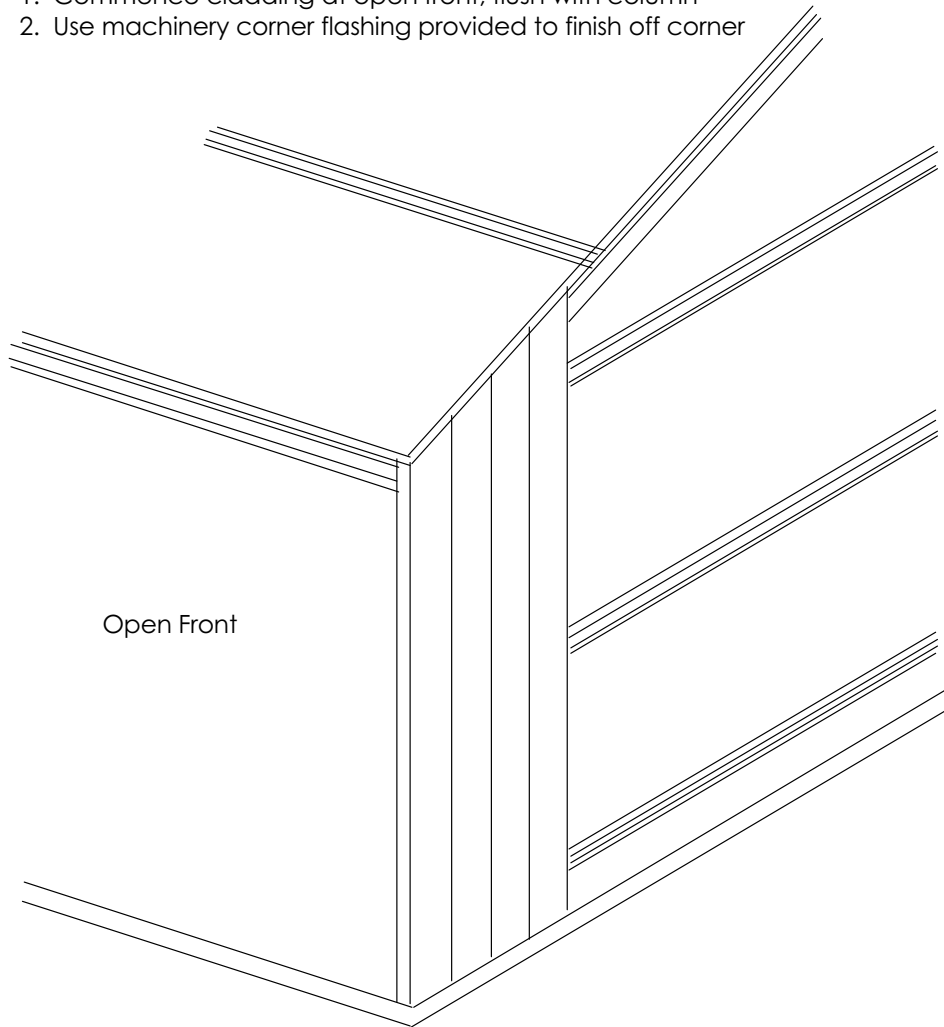
Detail B



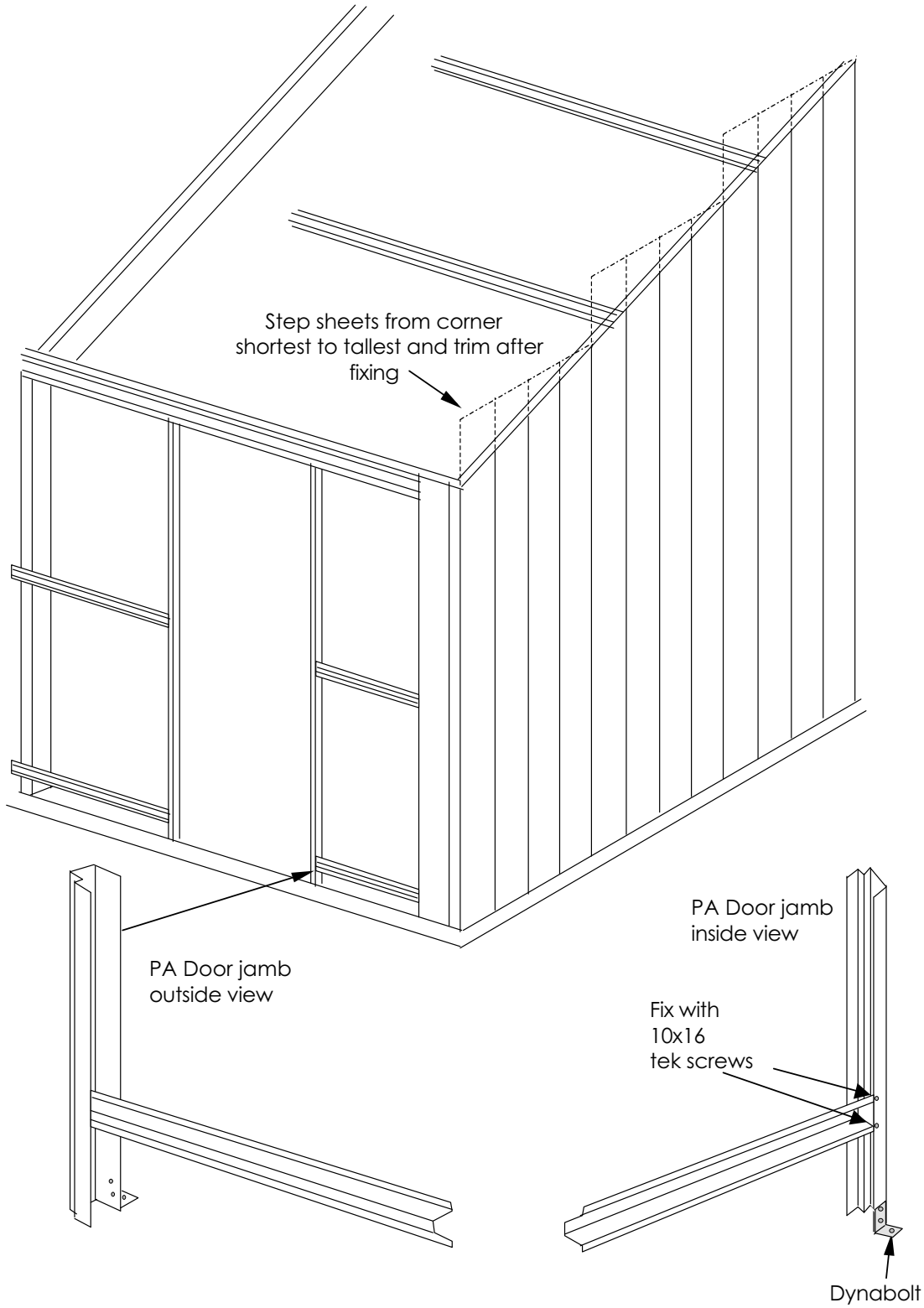
MACHINERY SHED CORNER FLASHING



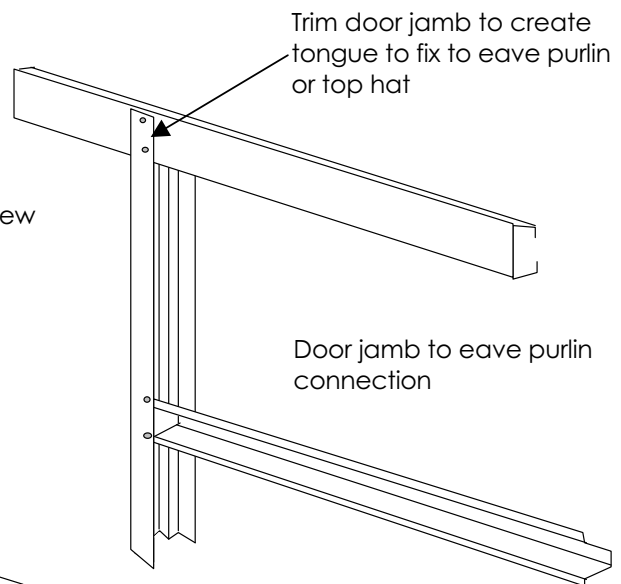
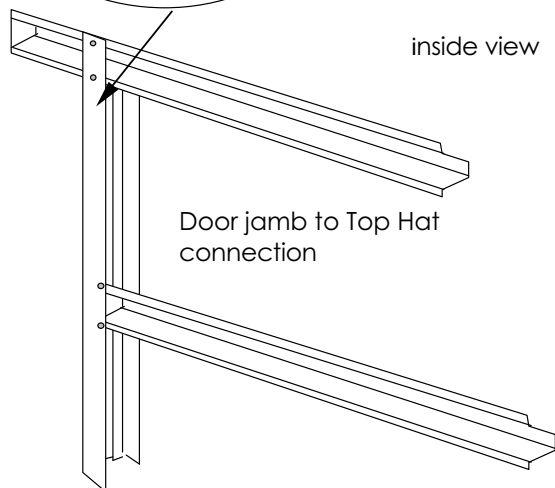
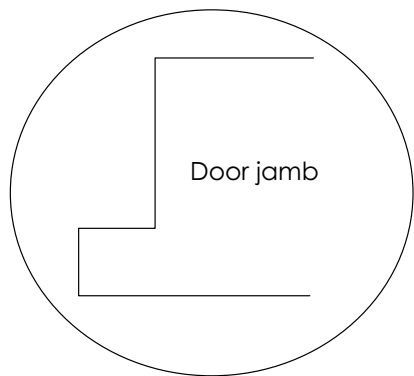
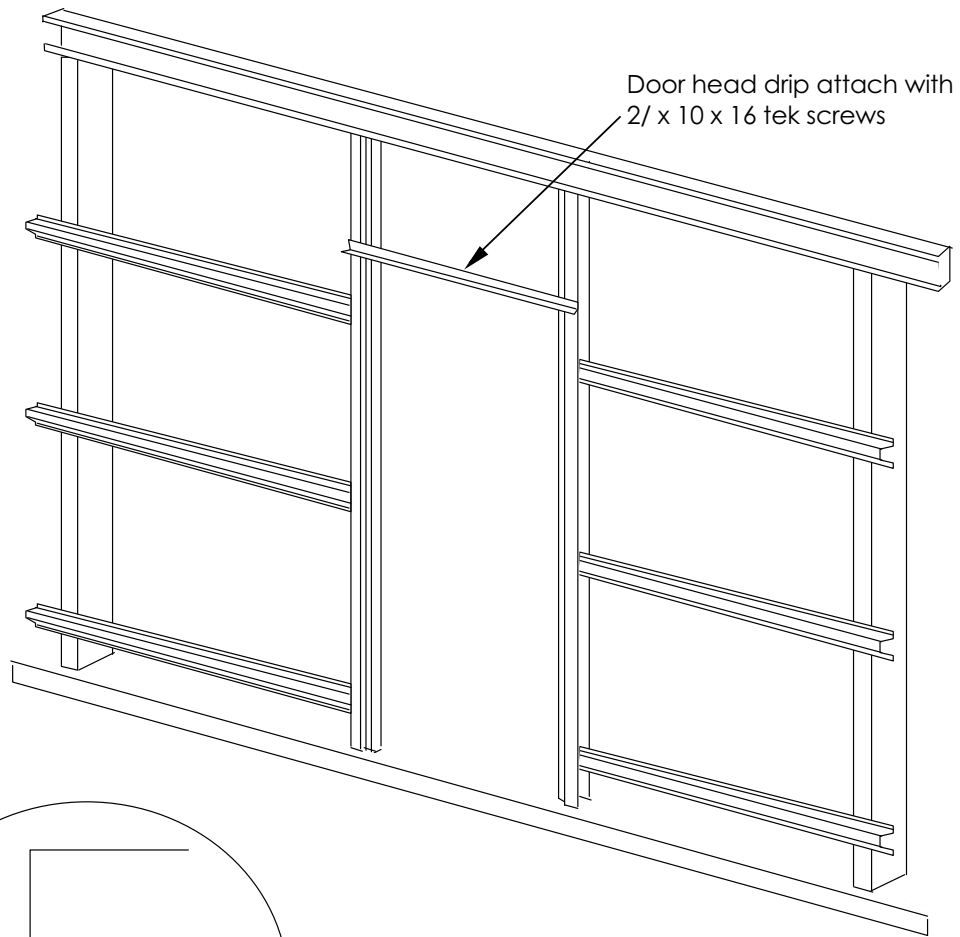
1. Commence cladding at open front, flush with column
2. Use machinery corner flashing provided to finish off corner



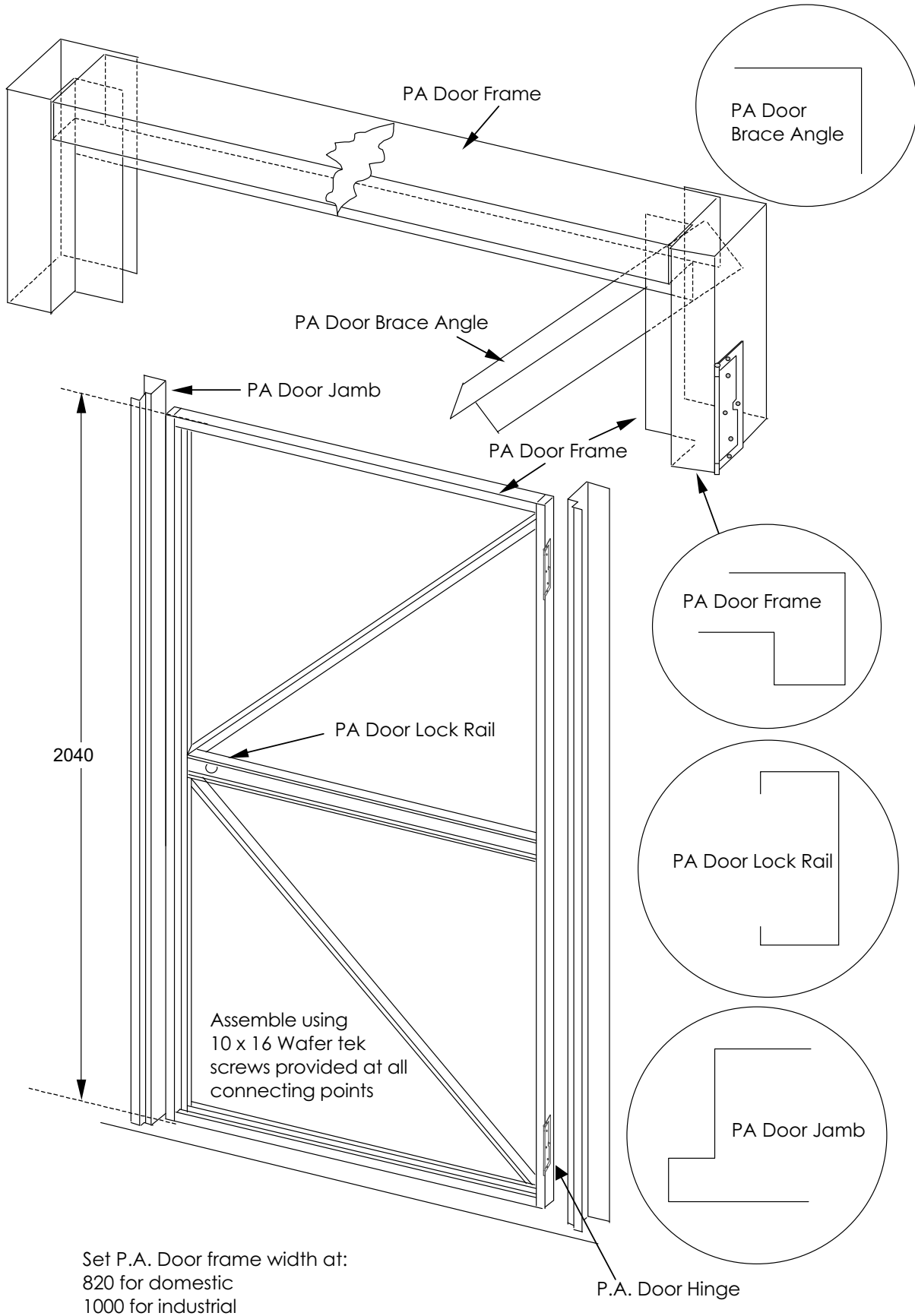
GABLE WALL CLADDING DETAILS



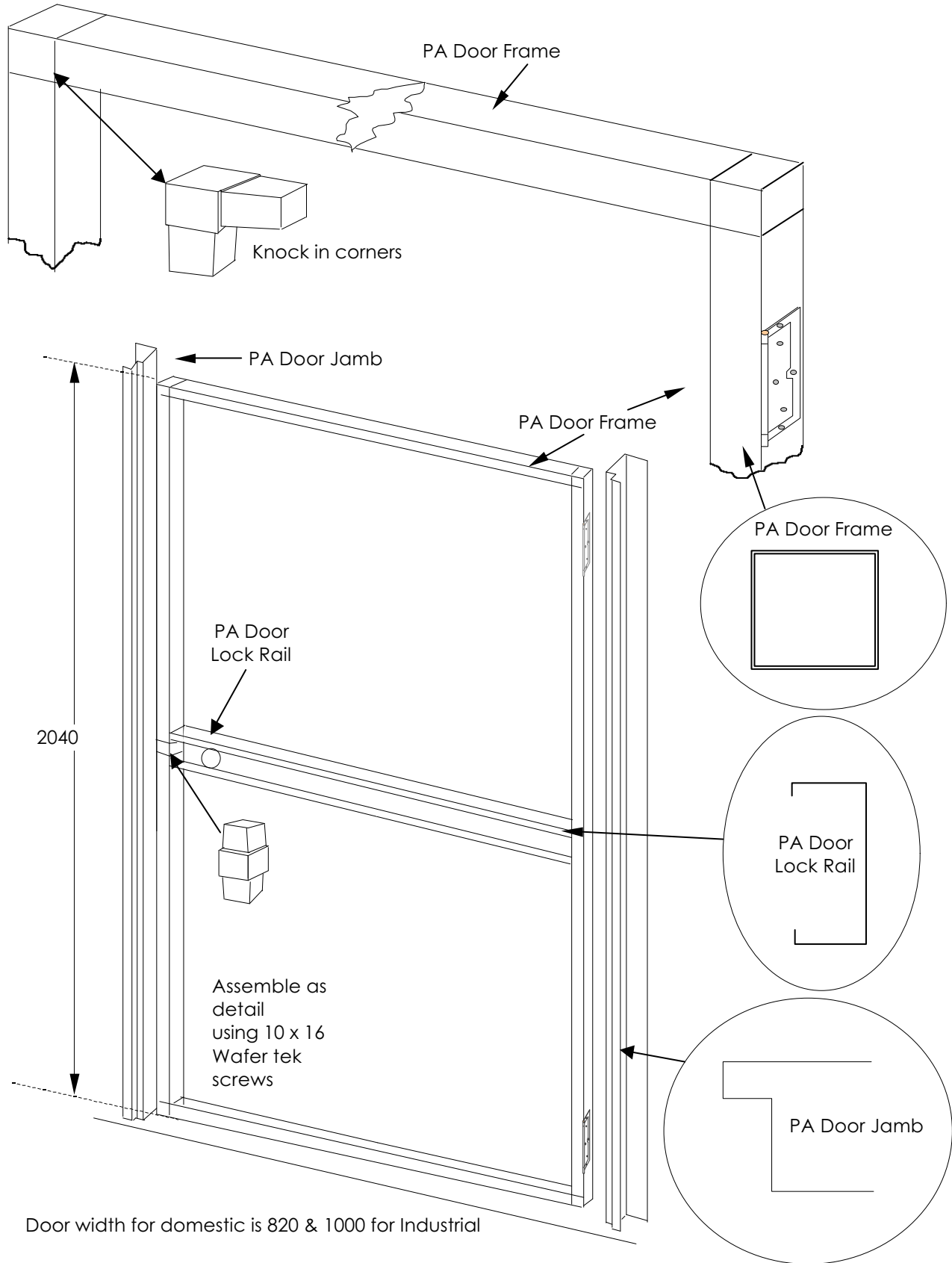
DOMESTIC PA DOOR JAMB DETAILS



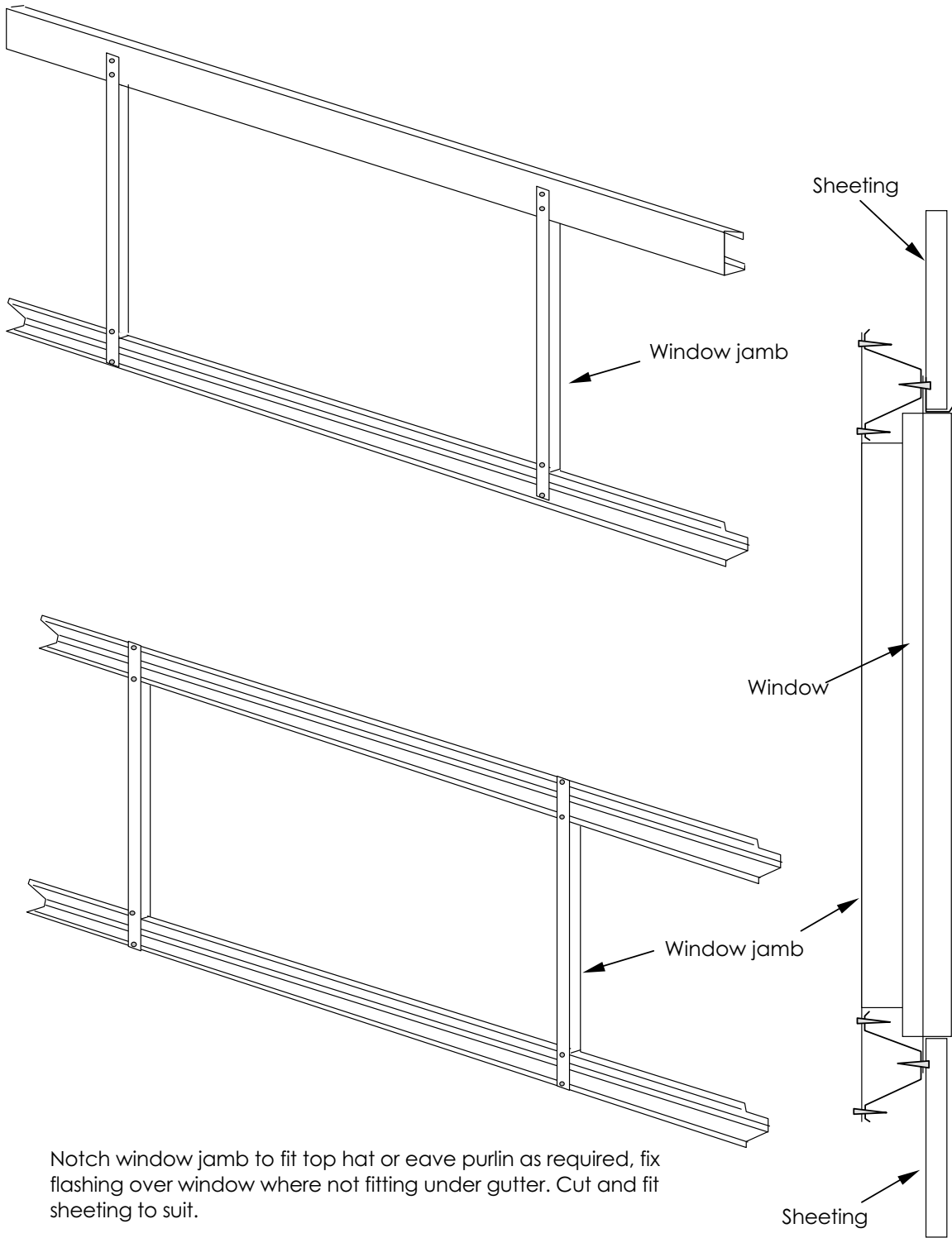
DOMESTIC PA DOOR (PRESSED METAL)



DOMESTIC PA DOOR (SHS COLUMN)

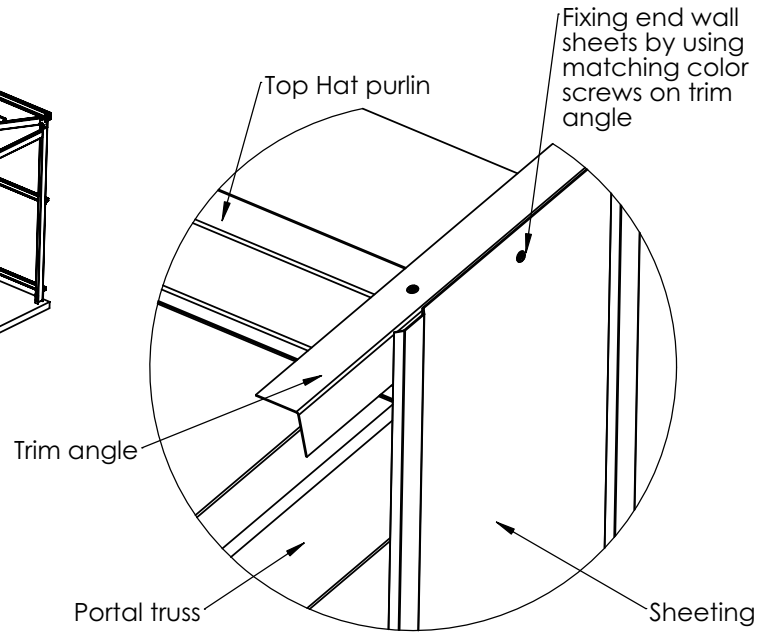
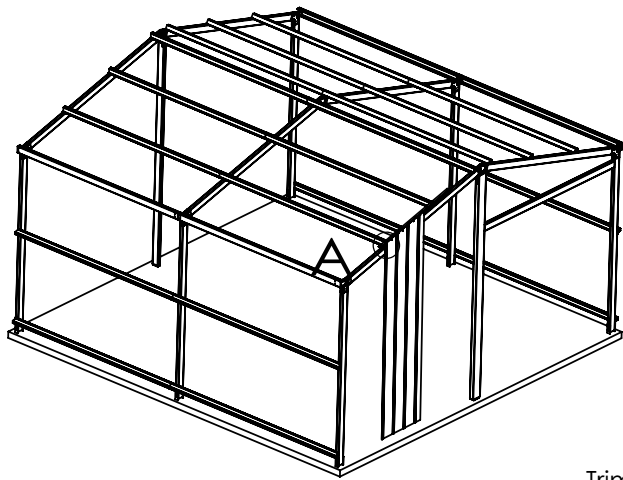


WINDOW JAMB DETAILS

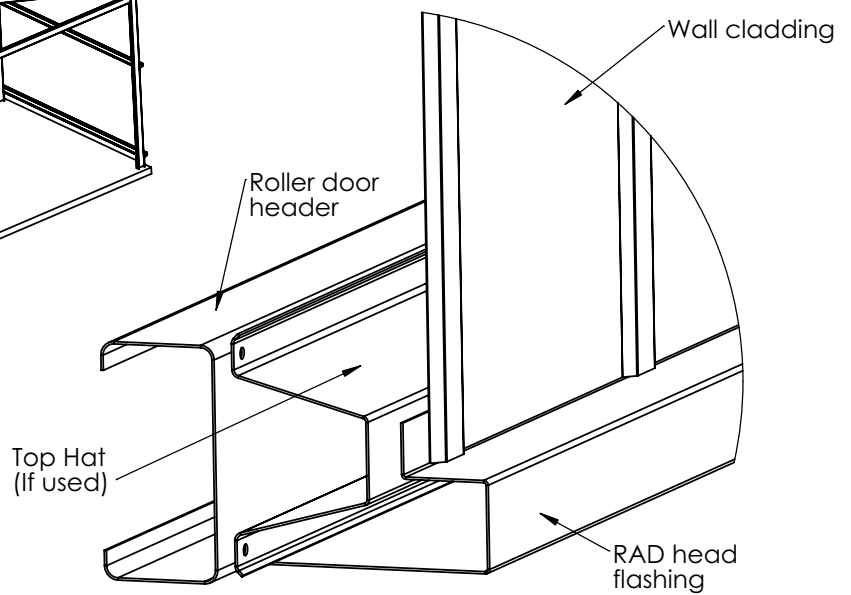
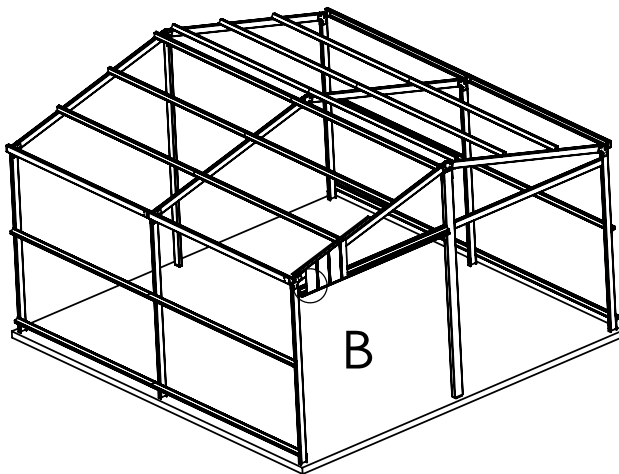


Notch window jamb to fit top hat or eave purlin as required, fix flashing over window where not fitting under gutter. Cut and fit sheeting to suit.

TRIM ANGLE & ROLLER DOOR FLASHING DETAILS

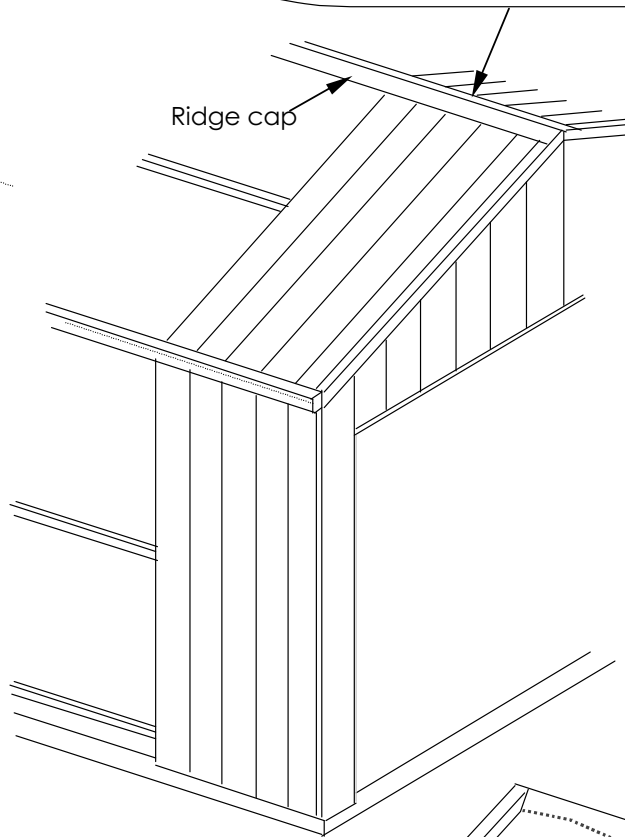
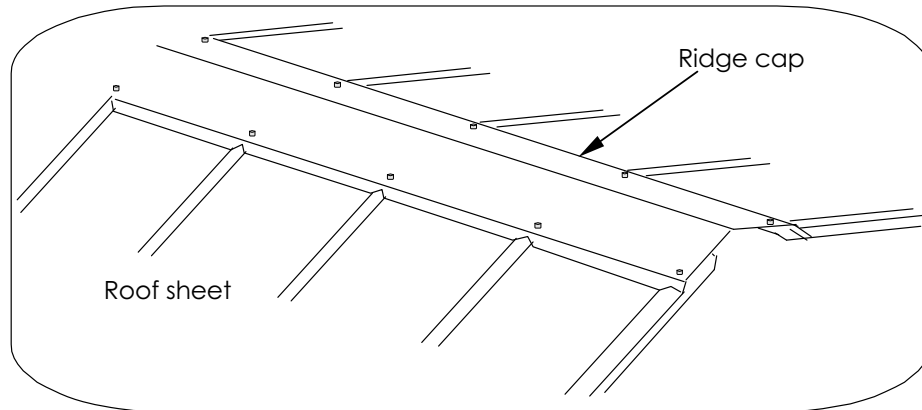


Detail A



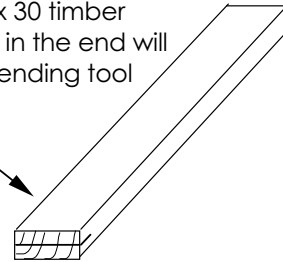
Detail B

RIDGE CAP FITTING DETAILS

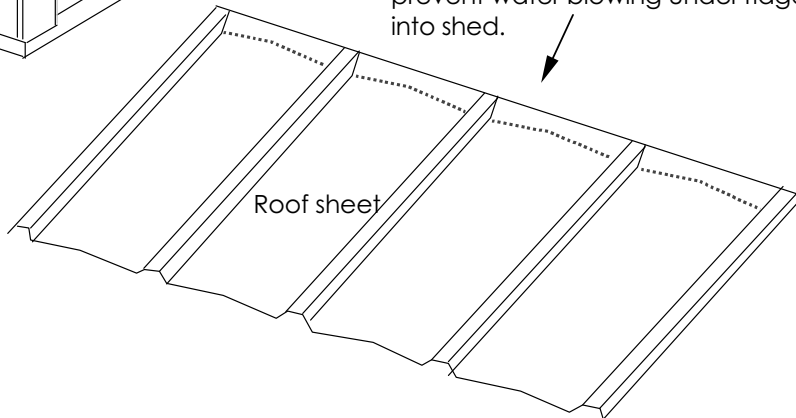


1. Bend end of roof sheets
2. Screw roof sheets to top hats except at ridge
3. Position ridge capping on ridge line
4. Scribe crest of roof sheeting on ridging and cut with tin snips to allow ridging to sit in pan of roof sheeting
5. Screw ridge with 12 x 45 tek through crest of sheeting into top hat batten

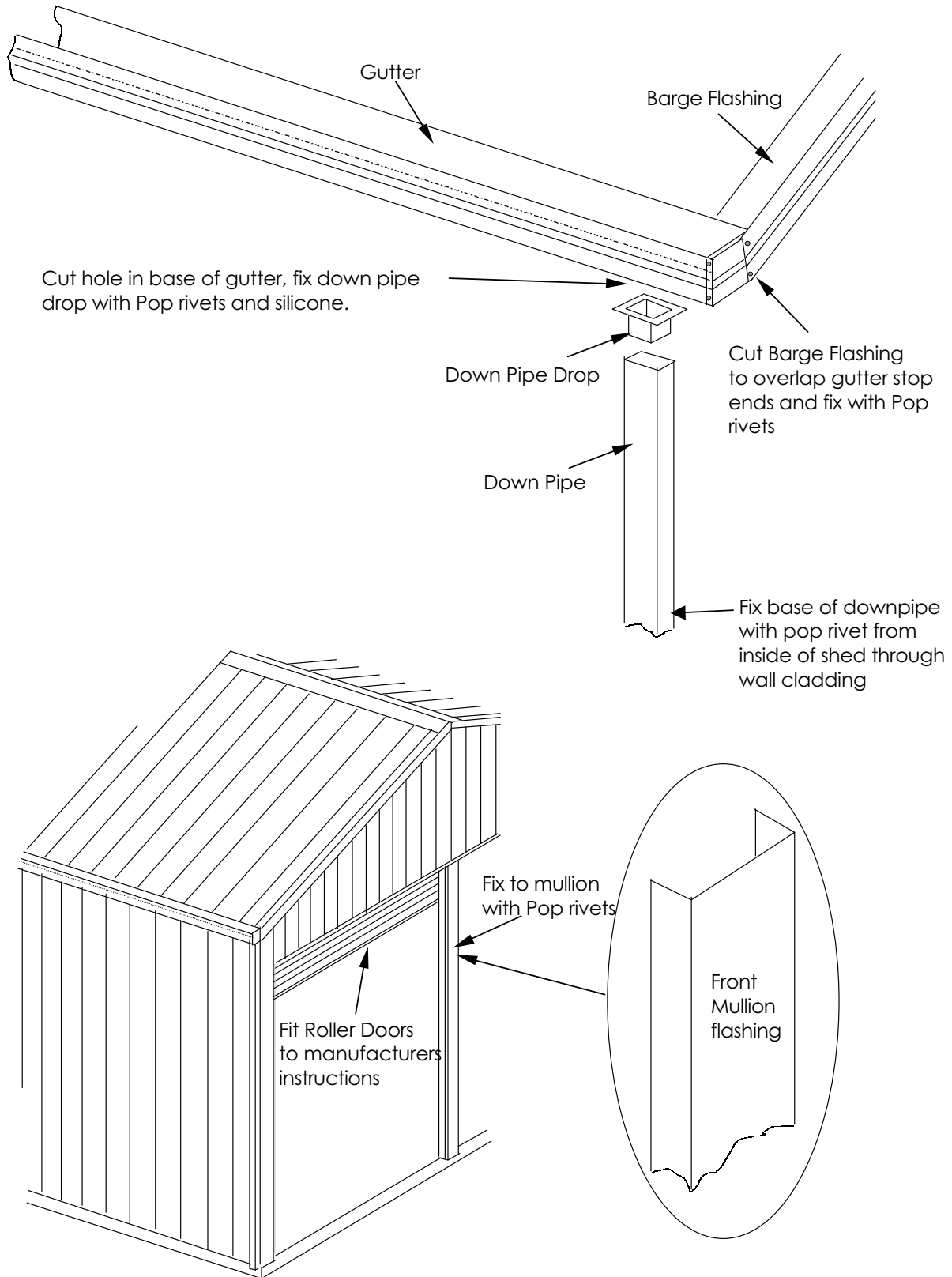
A piece of 75 x 30 timber with a saw cut in the end will do as a pan bending tool



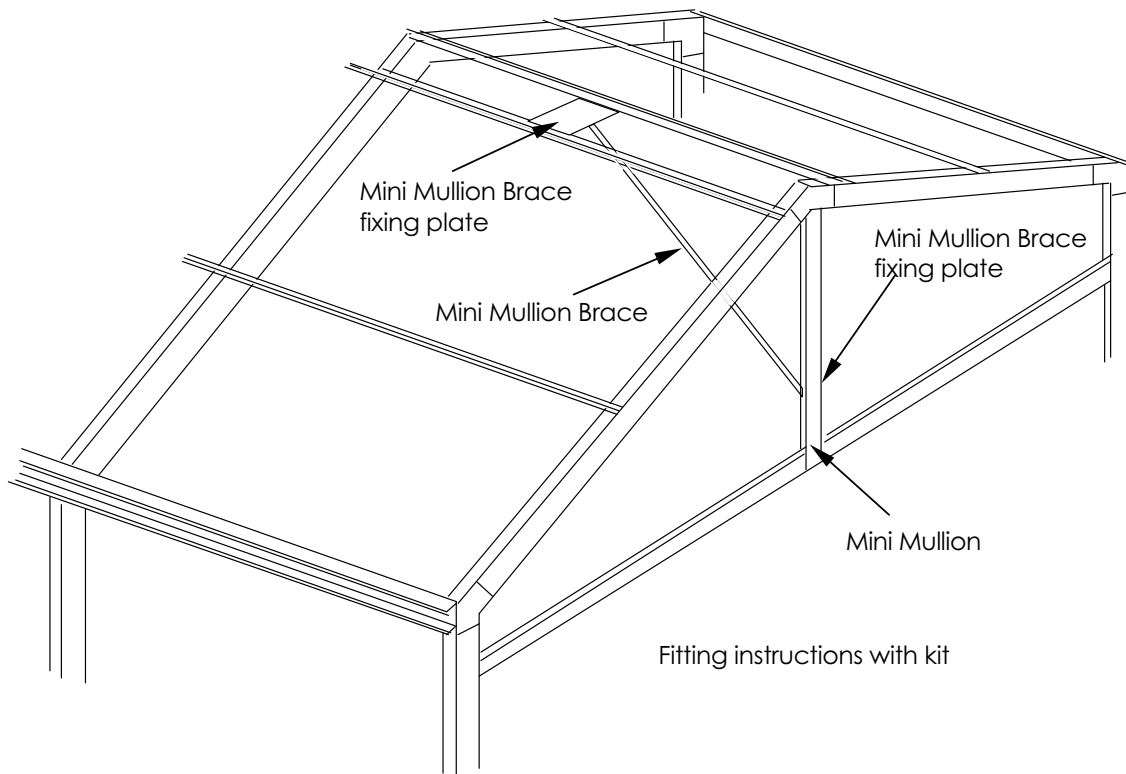
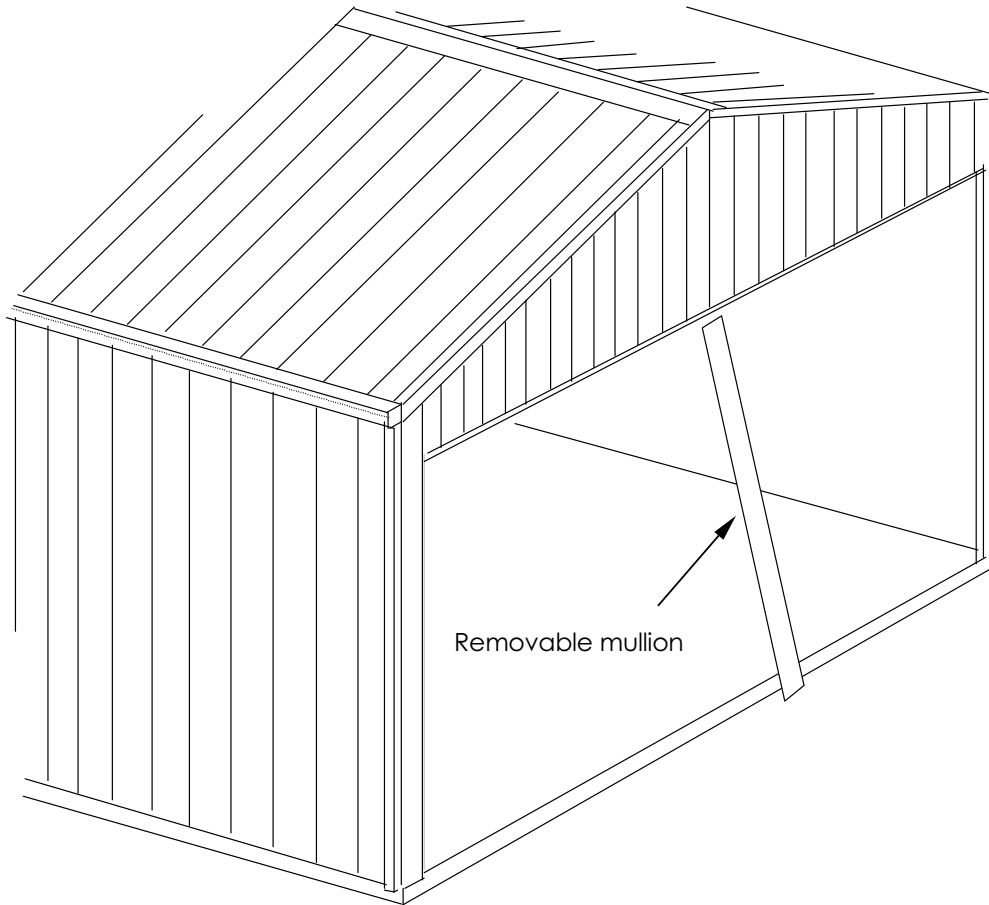
Bend roof sheeting pan upwards to prevent water blowing under ridge and into shed.



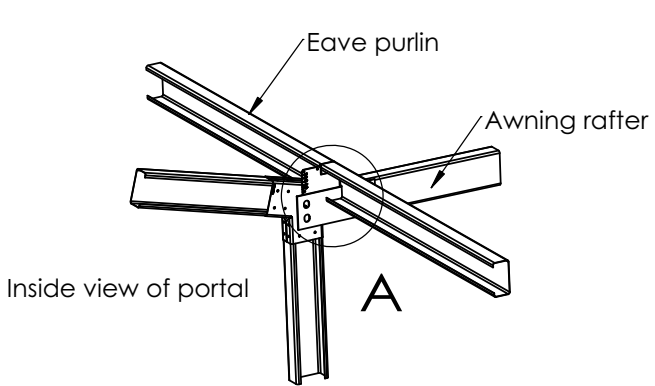
DOWNPIPE & FRONT FLASHING DETAILS



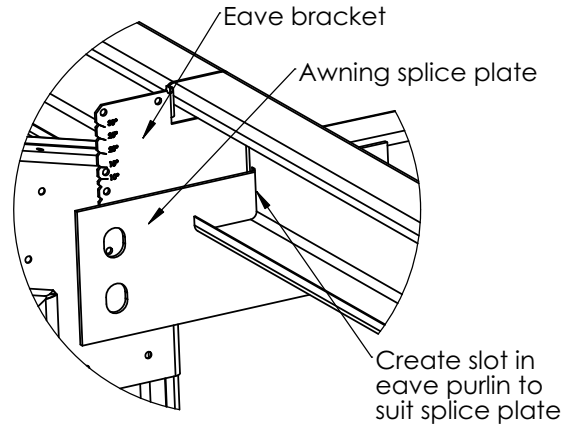
REMOVABLE MULLION DETAILS



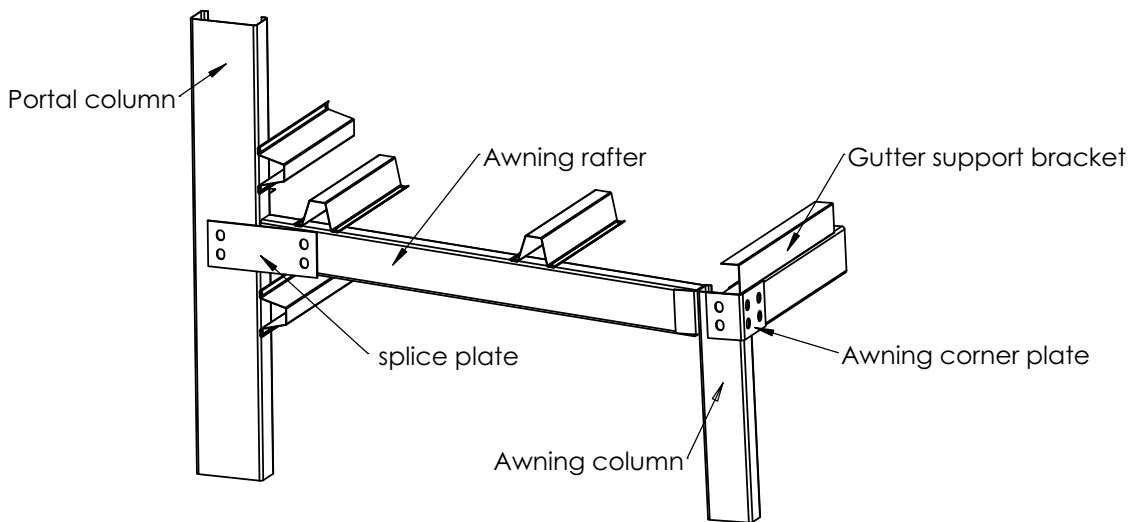
AWNING CONNECTION DETAILS



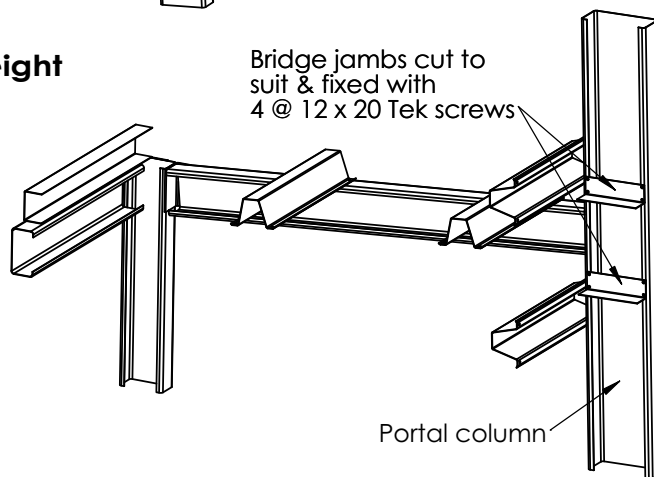
Maximum height awning



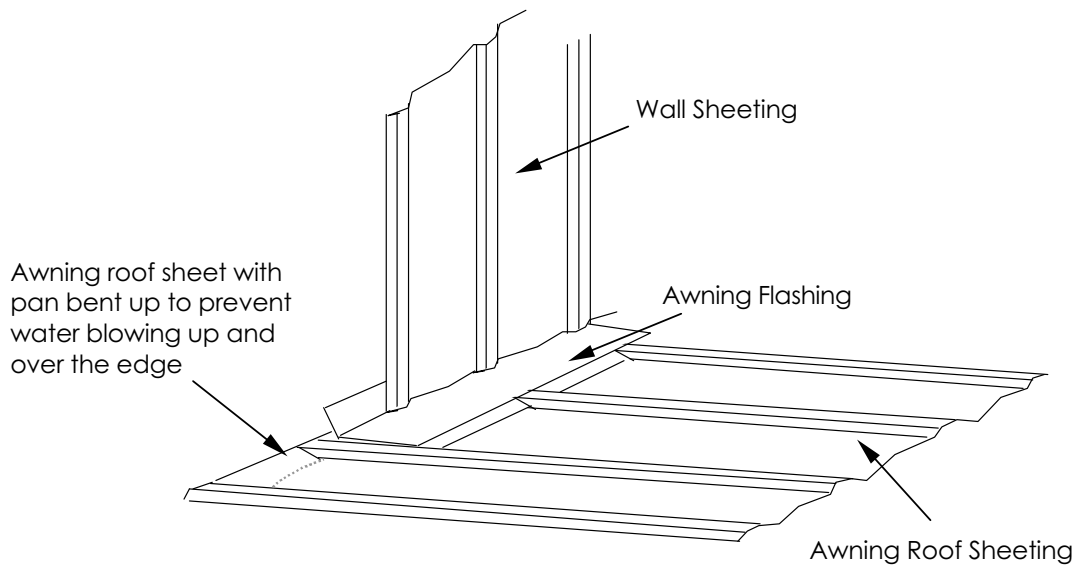
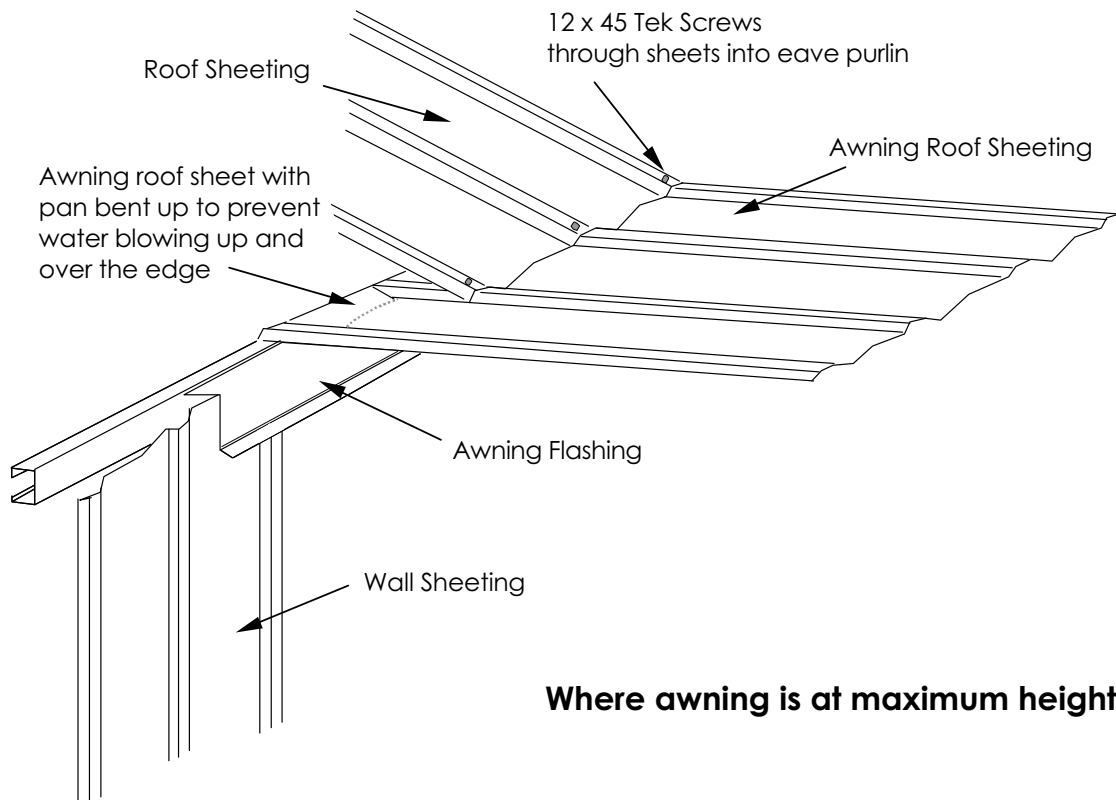
Detail A



Awning lower than eave height

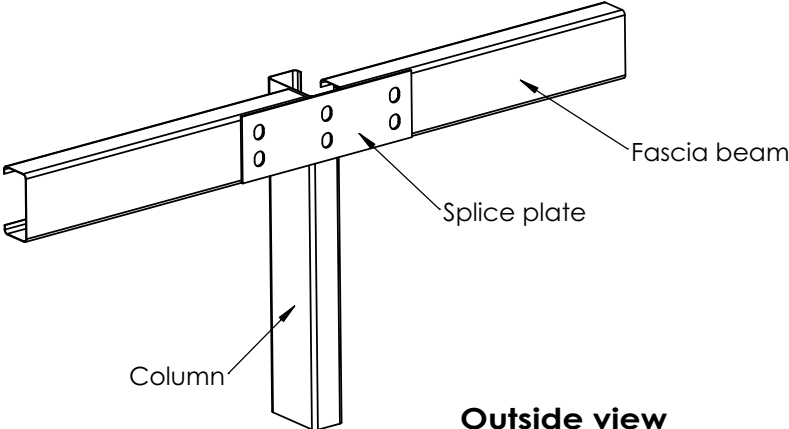
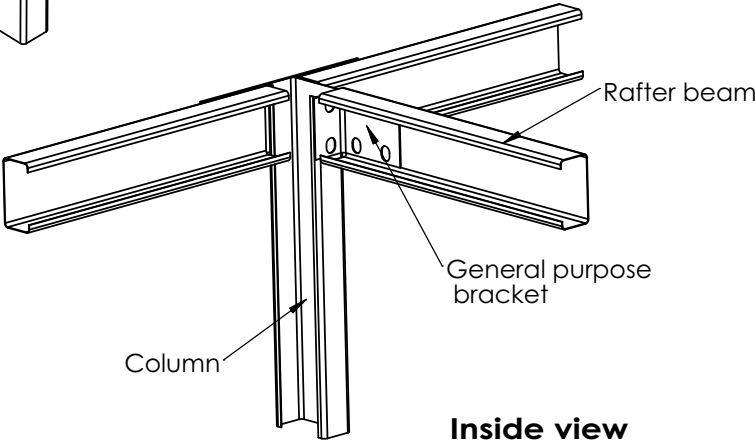
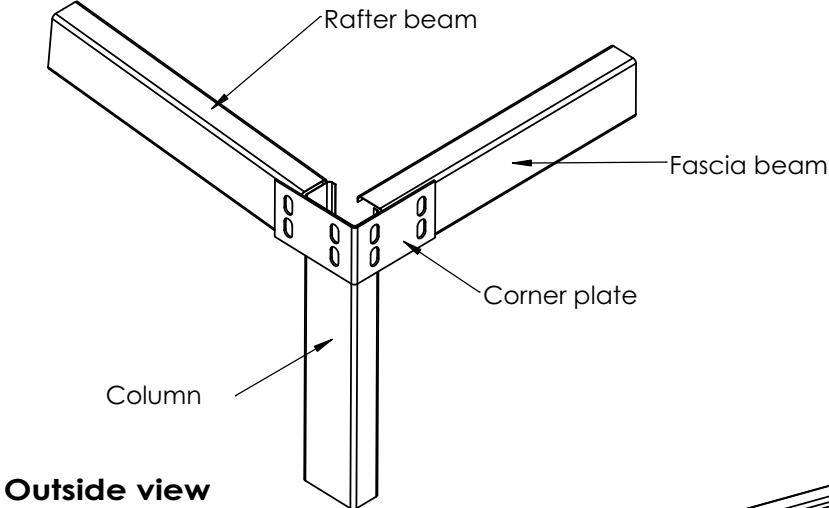


AWNING FLASHING & SHEETING DETAILS



Where awning is lower than eave height

AWNING ASSEMBLY DETAILS



COMPONENTRY IDENTIFICATION LIST

Monoclad, Monowall, Trimwall, Trimdek, Fibreglass



Corrugated Iron, Fibreglass



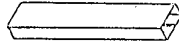
K-Panel, Multiclad



Rectangular Downpipe Drop



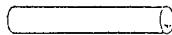
Rectangular Downpipe



Round Downpipe Drop



Round Downpipe



Top Hat



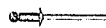
Kwikspan Bolt



Dynabolt



Pop Rivet



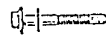
Frame Apex Plates Screw (14 x 10 x 20)



Screw For Fixing Top Hats (12 x 20)



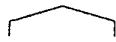
Tek Screw (Roof) With Neo Washer (12 x 45)



Tek Screw (Wall) With Neo Washer (10 x 16)



3-Break Ridge



Roll Top Ridge



Slotted Fascia Gutter



Fascia Gutter Stop End



Fascia Gutter Concealed Bracket



Fascia Capping



Slotted Quad Gutter



Fly Brace



Quad Gutter Stop Ends



Quad Gutter Concealed Bracket



Domestic Header



PA Door Header



PA Door Jamb



PA Brace Angle



PA Lock Rail



PA Door Frame



PA Door Hinge



PA Cabin Hook



PA Door Lock



PA Door Handle



Window Flashing



Rad Flashing



Roller Door Jamb Flashing



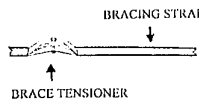
Cyclone Pin Bracket



Cyclone Pin (with Fencing Chain)



Brace Tensioner with Bracing Strap



Fascia Splice Plate (Joiner)



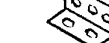
Eave Purlin Bracket



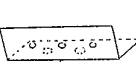
Corner Plate



Angle Connector



Converter Beam Base Plate



Front Mullion Bracket



M Pattern Barge Capping



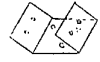
Domestic Truss Splice Plate



Industrial Truss Splice Plate



Angle Plate



Footing Bracket



"Z" Section



"C" Section



Window Jamb



Awning Splice Plate



Apex Plate



Knee Plate



Fascia Splice Plate



Brace Angle



Gutter Support Bracket



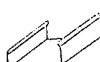
Trim Angle



Eave Purlin



Front Mullion Cap



Window



Roller Door



Roller Door Header Flashing



Machinery Flashing



Awning Flashing



Corner Flashing

