

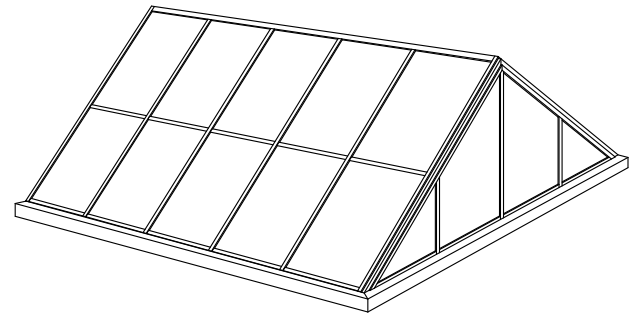
ALUMICOR SLOPED GLAZING AND SKYLIGHTS

Complete the building envelope and increase natural day lighting with overhead glazing or a skylight from Alumicor.

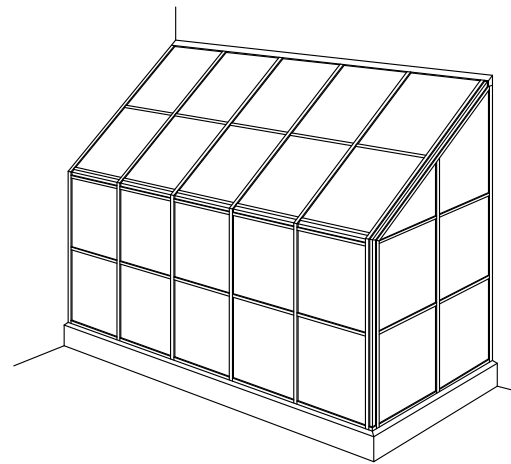
Skyview 2300 Series

For sloped glazing or roof top skylights, the Skyview 2300 series offers rain screen design in slopes from as low as 15°. Internally draining rafters and purlins with integrated condensation gutter combine to effectively prevent water penetration.

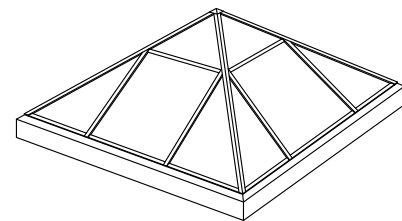
Designed for 1" (25.4mm) glazing, the Skyview 2300 Series can be manufactured in solarium or lean to overhead glazing and can also be provided as either ridge or pyramid style skylights with standard 30° and 45° slopes. The 2" (50.8mm) profile matches our VersaWall MidLine 2200 Series curtain wall for simple and clean transitions in solarium and ridge skylight end walls.



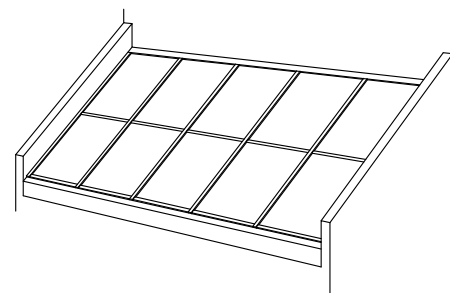
RIDGE TYPE
STANDARD 30° & 45°



SOLARIUM TYPE



SQUARE BASE PYRAMID TYPE
STANDARD 30° & 45°



LEAN TO TYPE

SLOPED GLAZING

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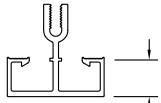
FOR SLOPED GLAZING OR ROOF TOP SKYLIGHTS, THE SKYVIEW OFFERS RAIN SCREEN DESIGN IN SLOPES FROM AS LOW AS 15°.

NOTES:

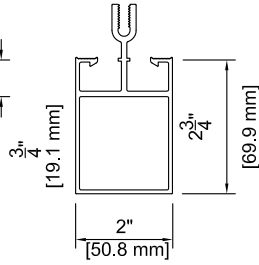
SKYVIEW 2300

PRIMARY COMPONENTS SUMMARY PAGES

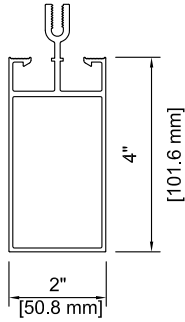
23140



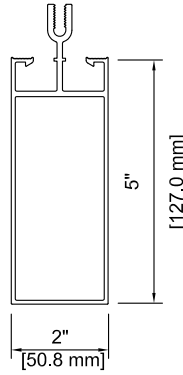
23010



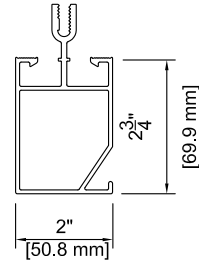
23020



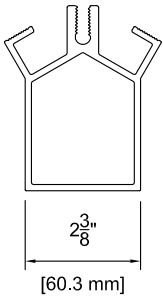
23030



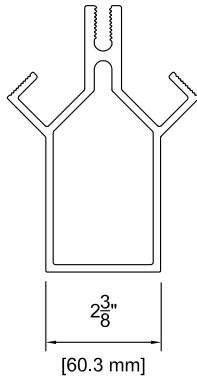
23040



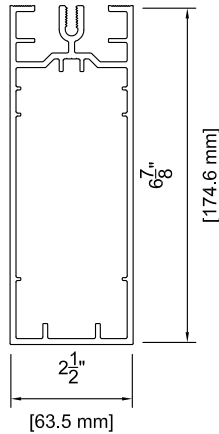
23240 (30°)



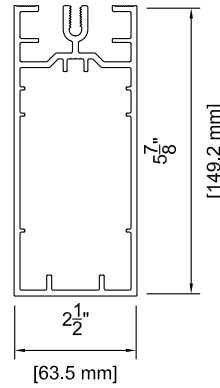
23250 (45°)



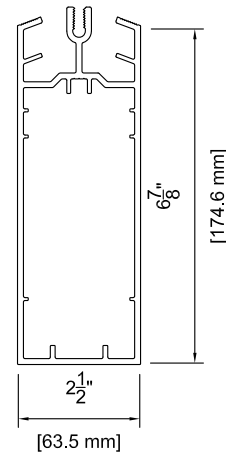
23200



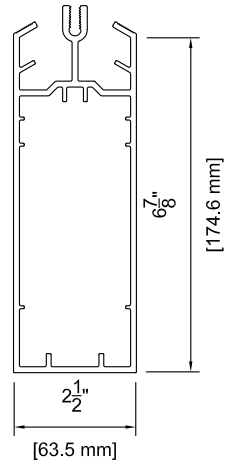
23210



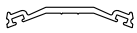
23220 (30°)



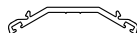
23230 (45°)



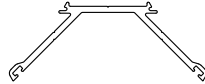
23270 (30°)



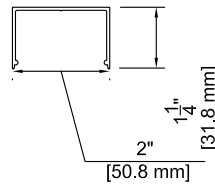
23290 (30° & 45°)



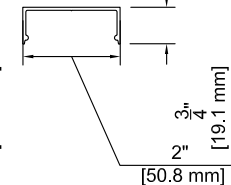
23310 (45°)



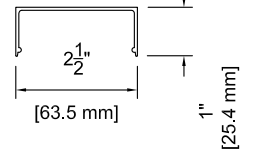
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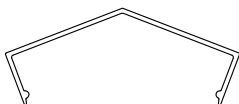
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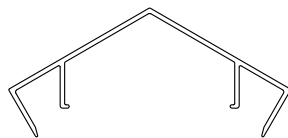
25060



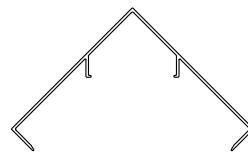
23260 (30°)



23280 (30° & 45°)

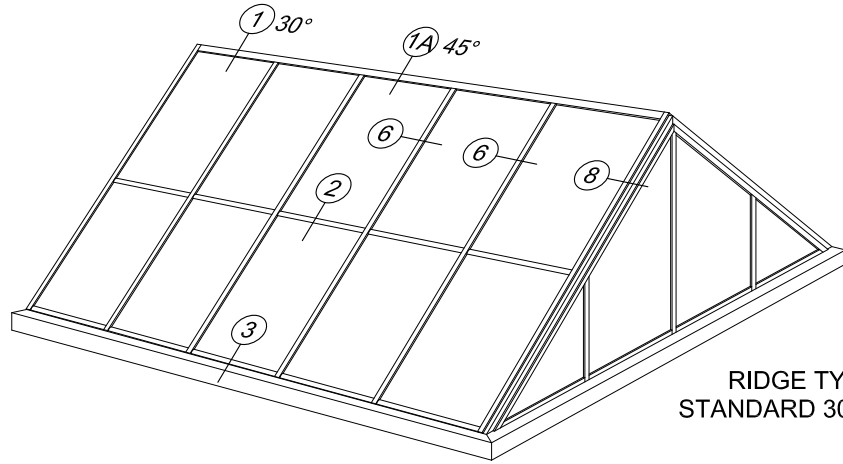


23300 (45°)

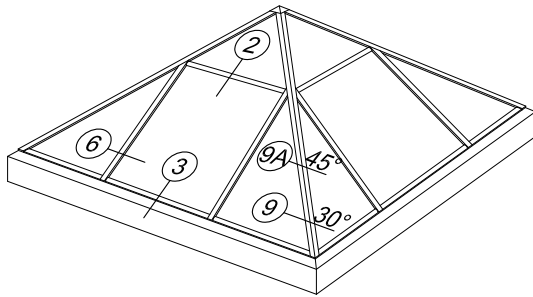


SKYVIEW 2300

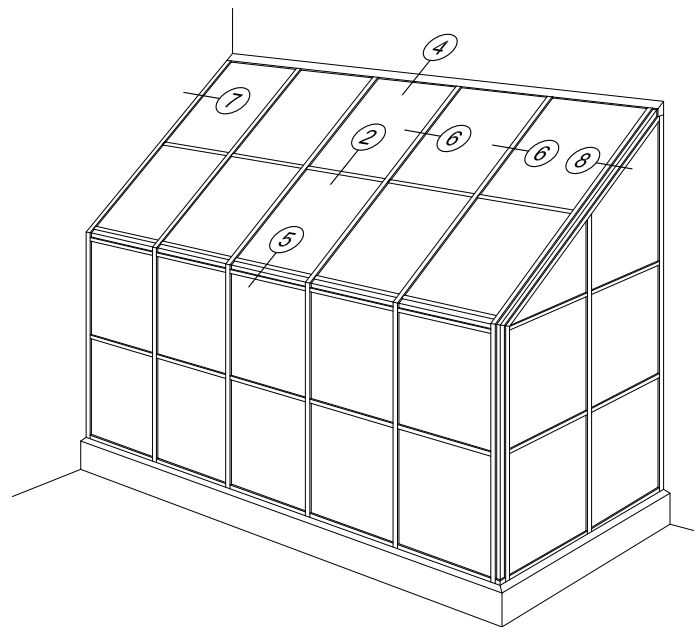
TYPICAL PRODUCTION TYPES



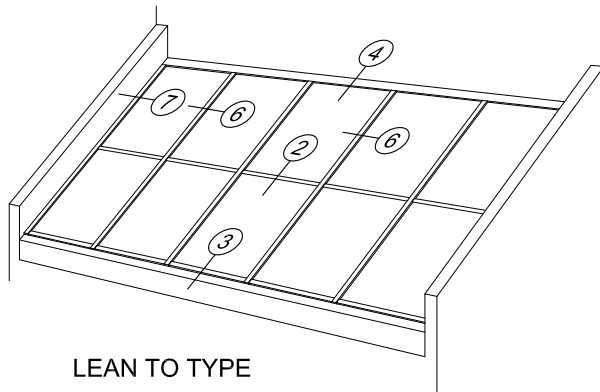
RIDGE TYPE
STANDARD 30° & 45°



SQUARE BASE PYRAMID TYPE
STANDARD 30° & 45°



SOLARIUM TYPE

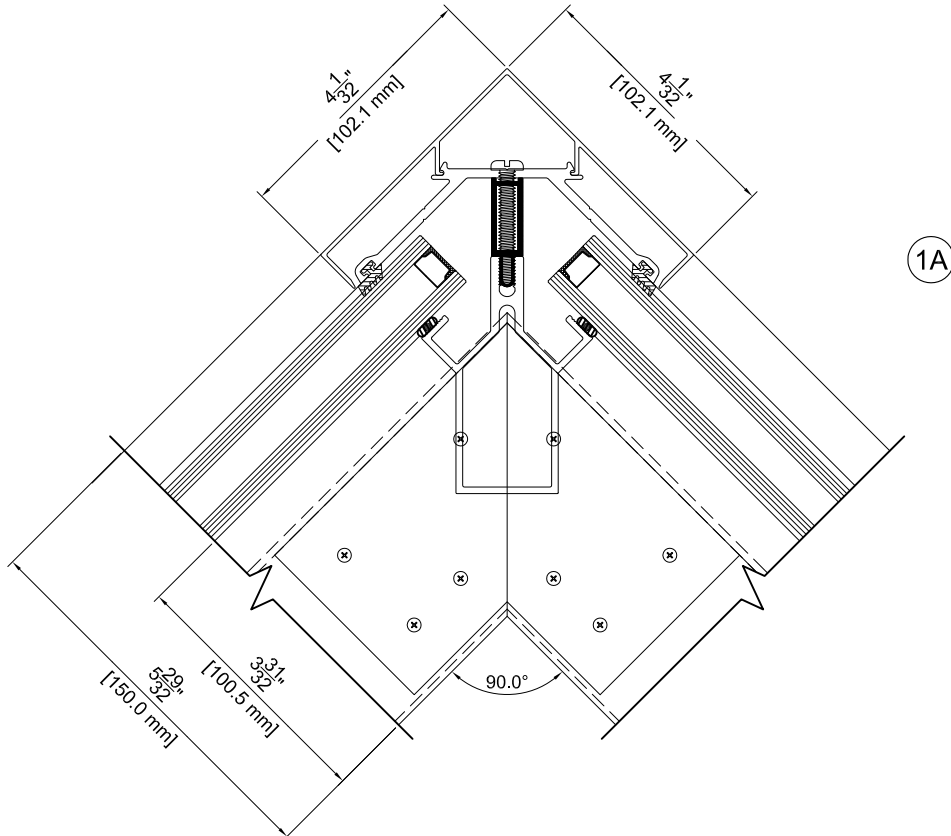
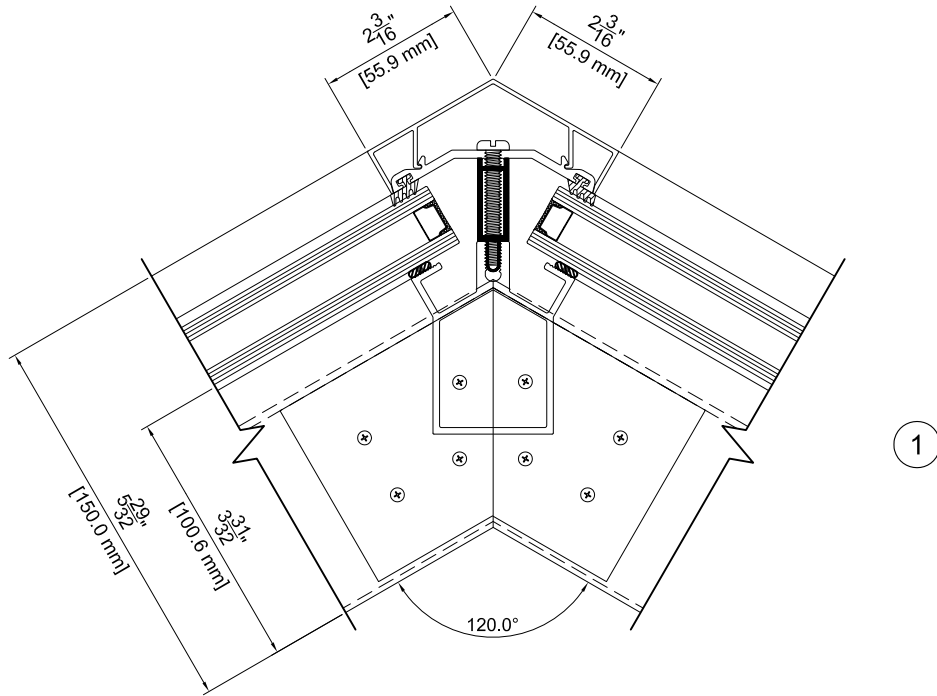


LEAN TO TYPE

NOTE:
FOR VERTICAL WALL DETAILS,
REFER TO V.MIDLINE
CURTAIN WALL DRAWINGS

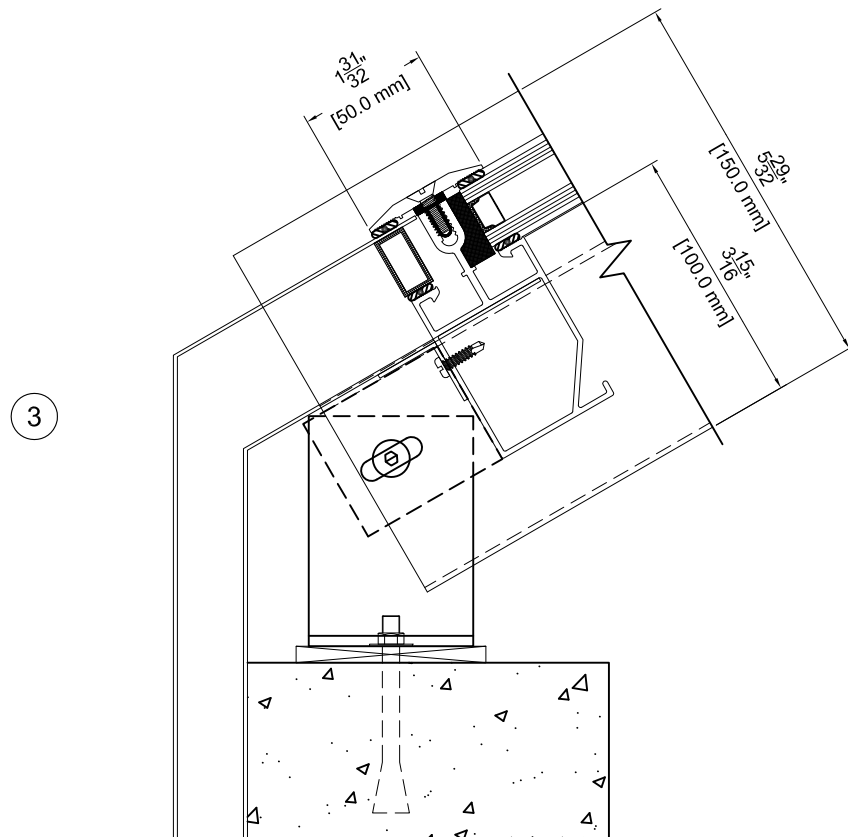
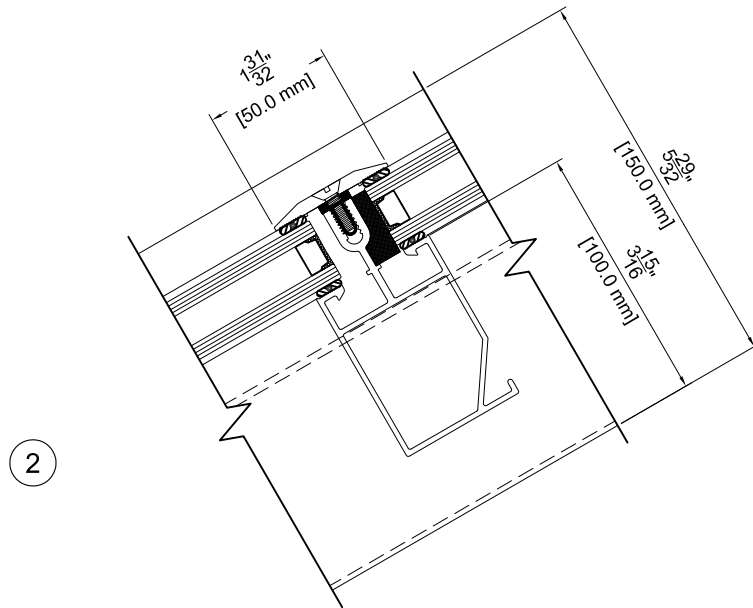
SKYVIEW 2300

TYPICAL DETAILS



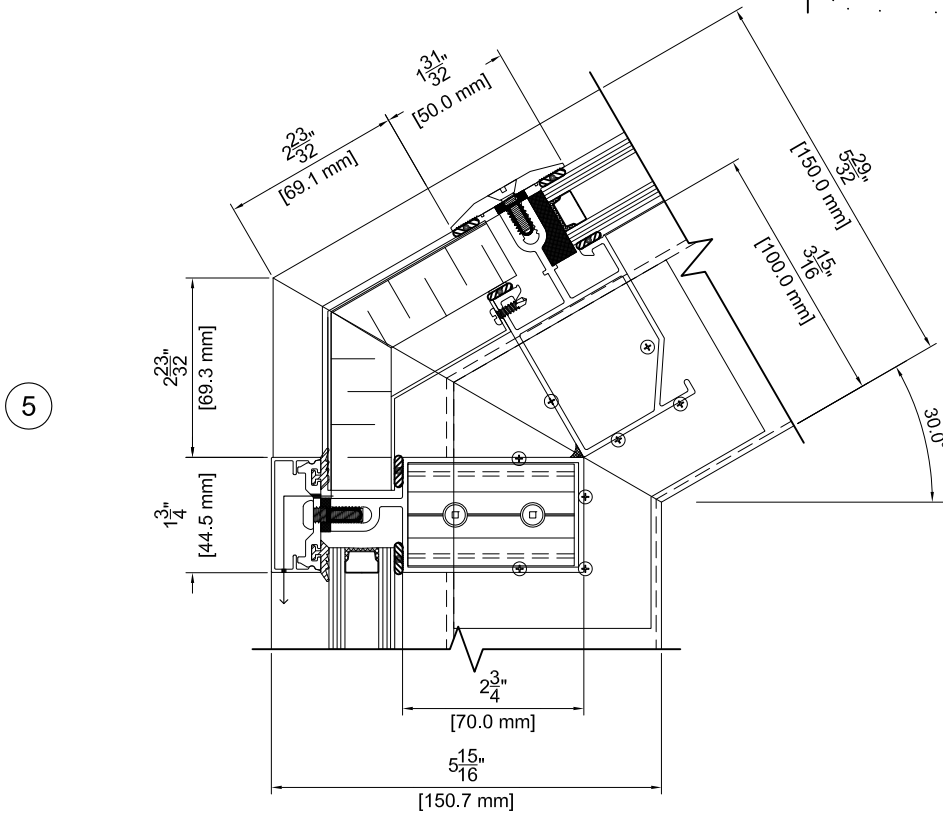
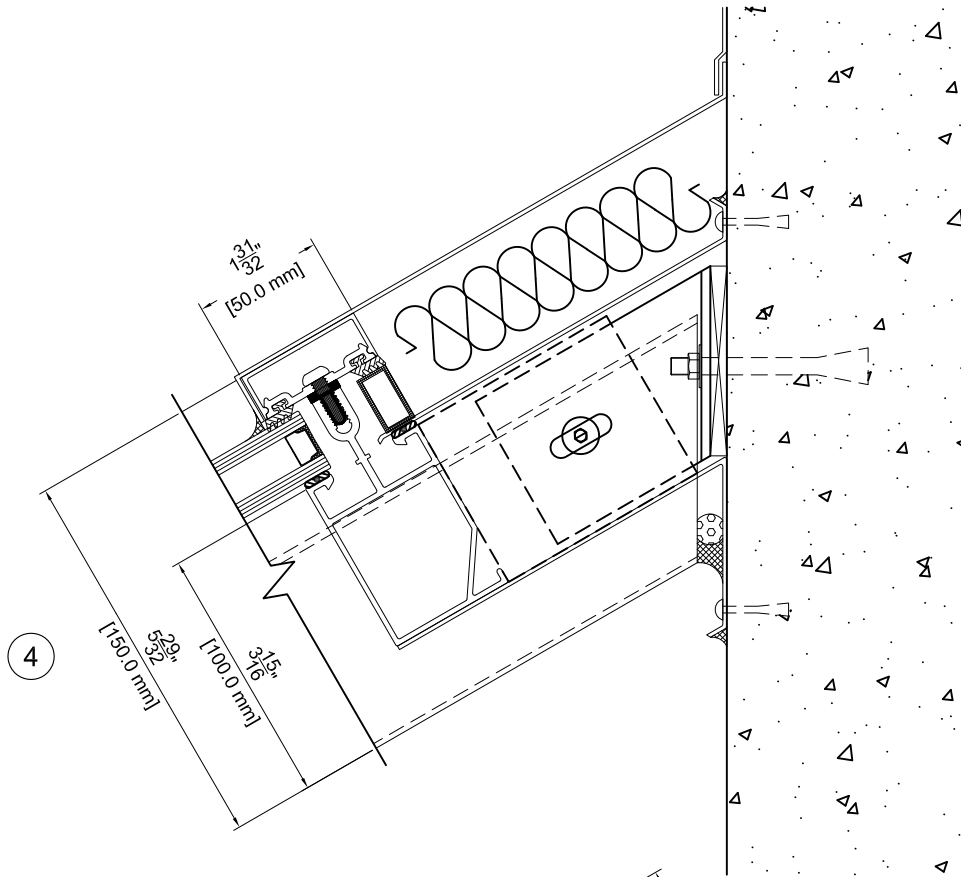
SKYVIEW 2300

TYPICAL DETAILS



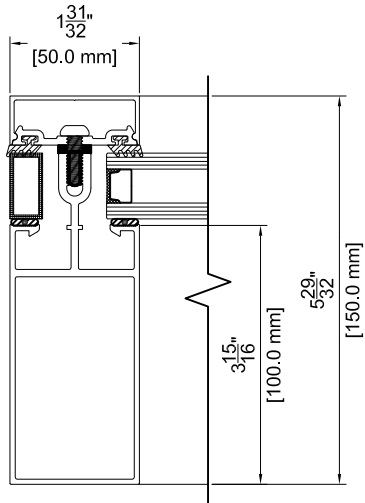
SKYVIEW 2300

TYPICAL DETAILS

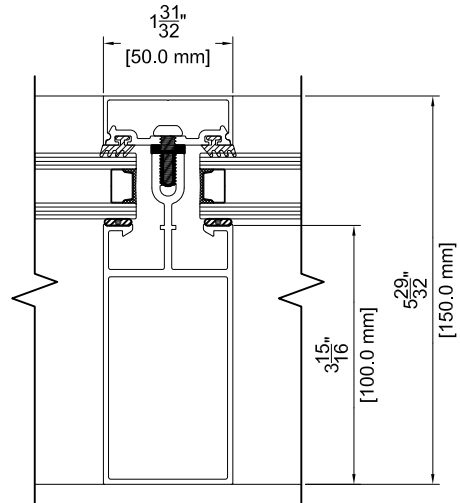


SKYVIEW 2300

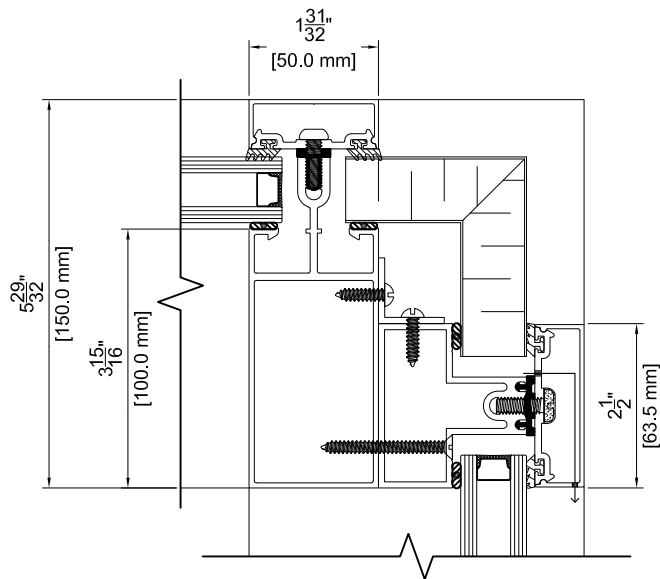
TYPICAL DETAILS



7



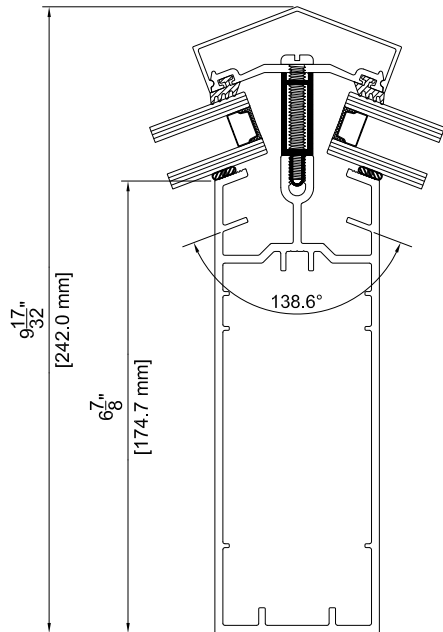
6



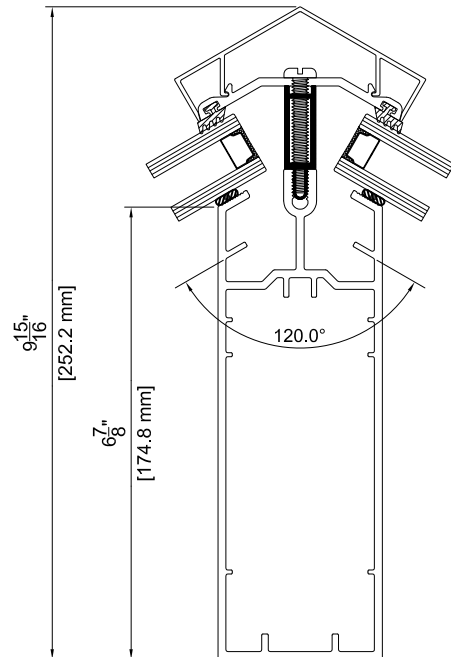
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SKYVIEW 2300

TYPICAL DETAILS



9



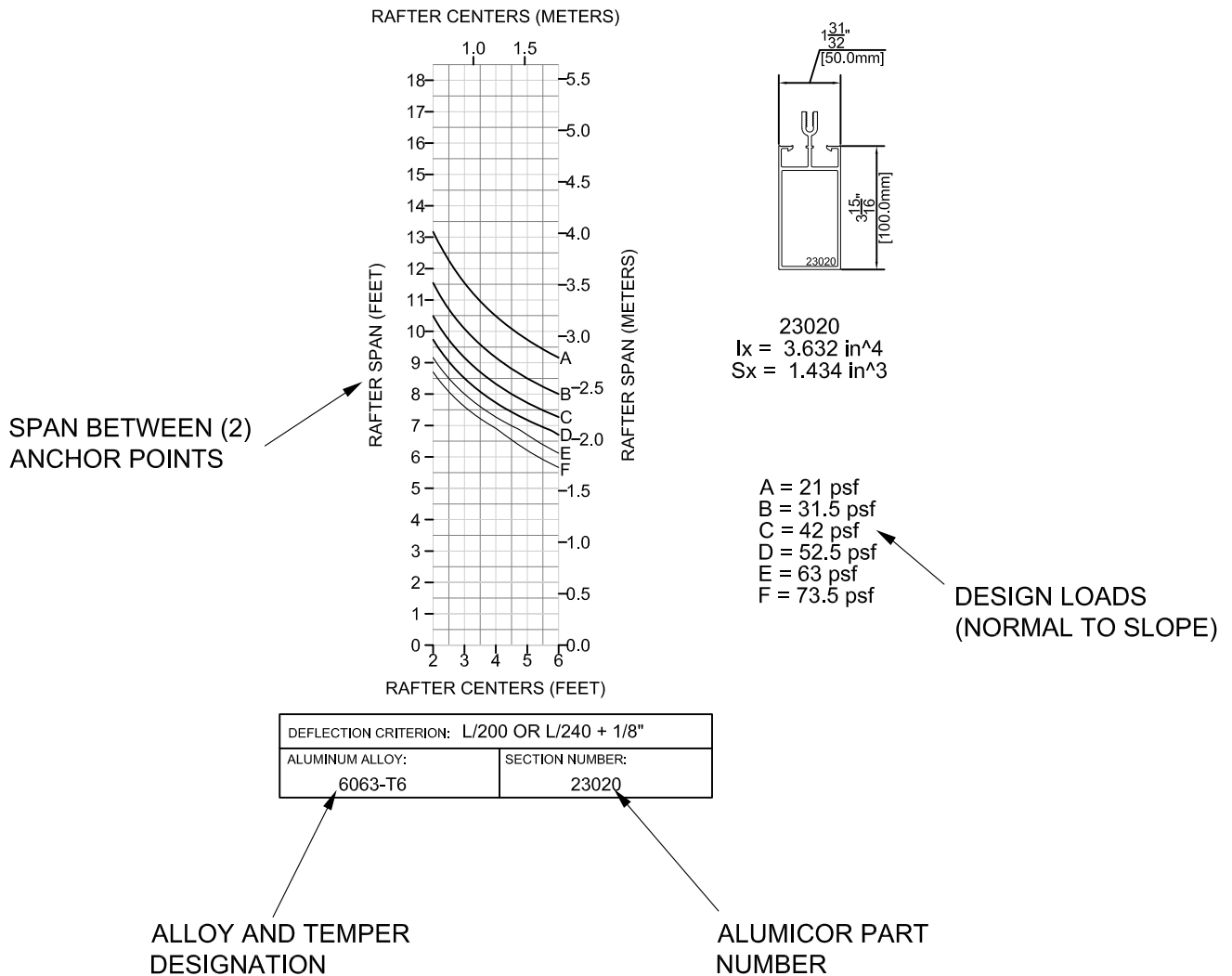
9A

SKYVIEW 2300 LOAD CHART

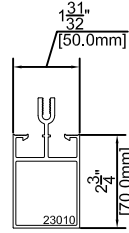
THE FOLLOWING WIND LOAD CHARTS ARE TO BE USED FOR FENESTRATION DESIGNS THAT **INCORPORATE THE USE OF HORIZONTALS**. USER MUST PAY STRICT ATTENTION TO THE FOLLOWING:

- CURVES REPRESENT LIMITING PARAMETERS BASED ON THE SPECIFIED PERMISSIBLE DEFLECTION, ALLOWABLE STRENGTH FOR THE ALUMINUM ALLOY AS SPECIFIED AND A LINEAR UNIFORMLY DISTRIBUTED LOAD APPLIED TO A SIMPLY SUPPORTED SPAN. REINFORCEMENT FASTENED USING MINIMUM #12 SCREWS AT MAXIMUM 12" C.C.
- THE CHARTS SHOULD BE USED AS A BUDGET OR DESIGN GUIDE. FOR ACTUAL ENGINEERING PURPOSES THE STRUCTURAL PROPERTIES OF THE MULLIONS ARE SHOWN AS "Ix" AND "Sx"
- THE DEFLECTION CRITERION FOR THESE CHARTS IS L/200 OR L/240+1/8" (3 mm)

EXAMPLE:

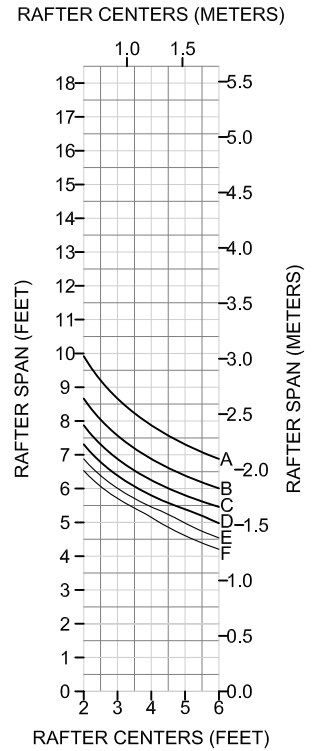


SKYVIEW 2300 LOAD CHART



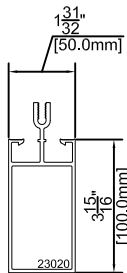
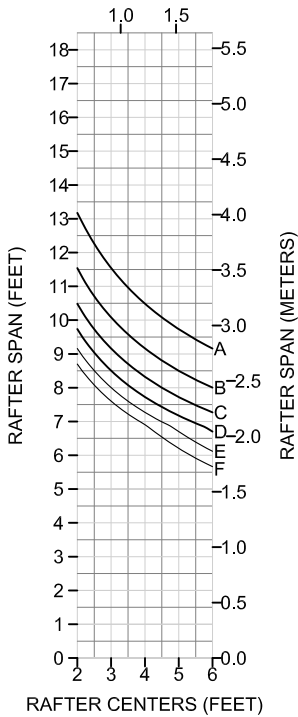
23010
 $I_x = 1.537 \text{ in}^4$
 $S_x = 0.790 \text{ in}^3$

- A = 21 psf
- B = 31.5 psf
- C = 42 psf
- D = 52.5 psf
- E = 63 psf
- F = 73.5 psf



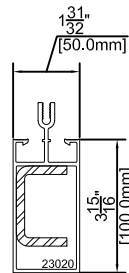
DEFLECTION CRITERION: $L/200$ OR $L/240 + 1/8"$	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 23010

RAFTER CENTERS (METERS)



23020
 $I_x = 3.632 \text{ in}^4$
 $S_x = 1.434 \text{ in}^3$

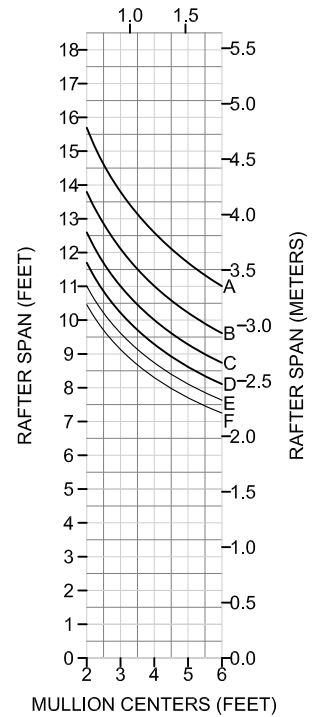
- A = 21 psf
- B = 31.5 psf
- C = 42 psf
- D = 52.5 psf
- E = 63 psf
- F = 73.5 psf



23020
 $I_x = 3.632 \text{ in}^4$
 $S_x = 1.434 \text{ in}^3$
 C2 3/8x1 1/2x1/4
 $I_x = 0.920 \text{ in}^4$
 $S_x = 0.774 \text{ in}^3$

- A = 21 psf
- B = 31.5 psf
- C = 42 psf
- D = 52.5 psf
- E = 63 psf
- F = 73.5 psf

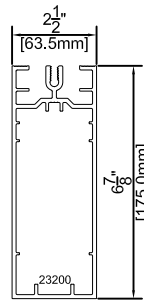
MULLION CENTERS (METERS)



DEFLECTION CRITERION: $L/200$ OR $L/240 + 1/8"$	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 23020C2

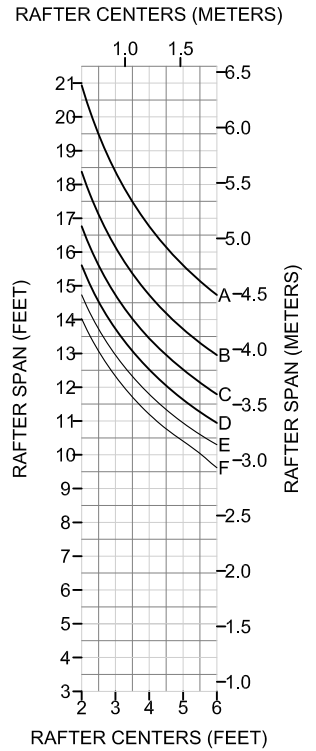
DEFLECTION CRITERION: $L/200$ OR $L/240 + 1/8"$	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 23020

SKYVIEW 2300 LOAD CHART



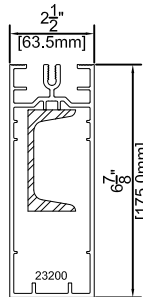
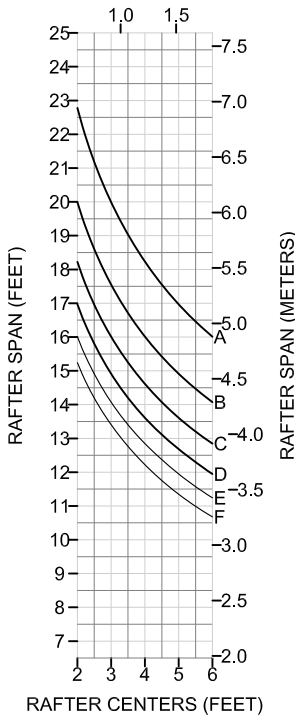
23200
 $I_x = 15.490 \text{ in}^4$
 $S_x = 4.134 \text{ in}^3$

A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf



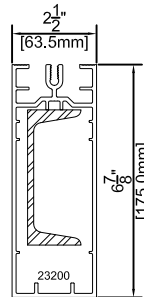
DEFLECTION CRITERION: $L/200$ OR $L/240 + 1/8"$	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 23200

RAFTER CENTERS (METERS)



23200
 $I_x = 15.490 \text{ in}^4$
 $S_x = 4.134 \text{ in}^3$
 $C3 \times 4.1 \text{ lb/ft}$
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

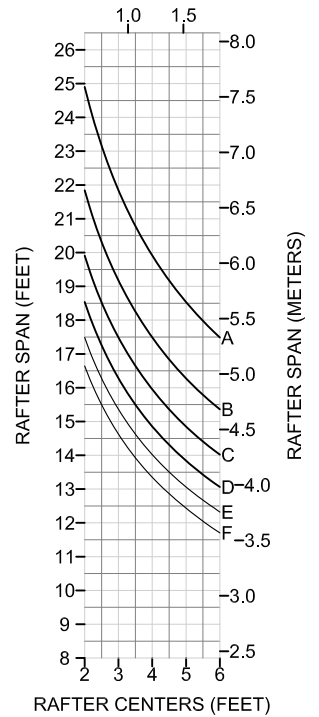
A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf



23200
 $I_x = 15.490 \text{ in}^4$
 $S_x = 4.134 \text{ in}^3$
 $C4 \times 5.4 \text{ lb/ft}$
 $I_x = 3.800 \text{ in}^4$
 $S_x = 1.900 \text{ in}^3$

A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf

RAFTER CENTERS (METERS)

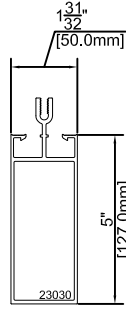
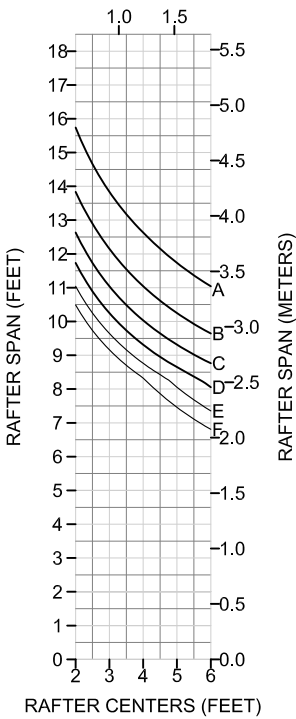


DEFLECTION CRITERION: $L/200$ OR $L/240 + 1/8"$	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 23200C3

DEFLECTION CRITERION: $L/200$ OR $L/240 + 1/8"$	
ALUMINUM ALLOY: 6063-T6	SECTION NUMBER: 23200C4

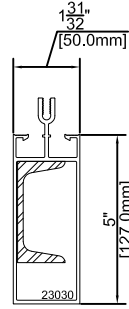
SKYVIEW 2300 LOAD CHART

RAFTER CENTERS (METERS)



23030
 $I_x = 6.360 \text{ in}^4$
 $S_x = 2.072 \text{ in}^3$

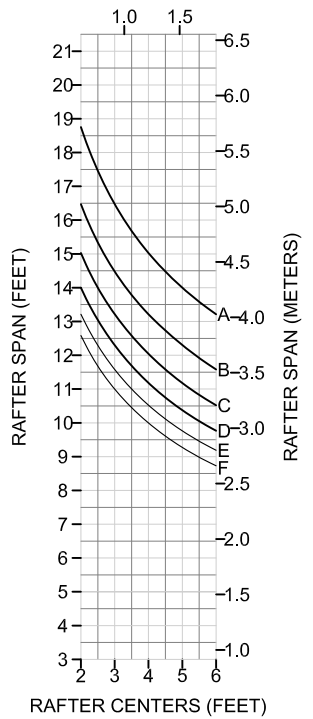
A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf



23030
 $I_x = 6.360 \text{ in}^4$
 $S_x = 2.072 \text{ in}^3$
 C3x4.1 lb/ft
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

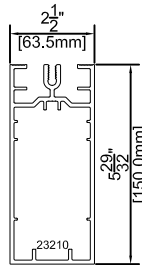
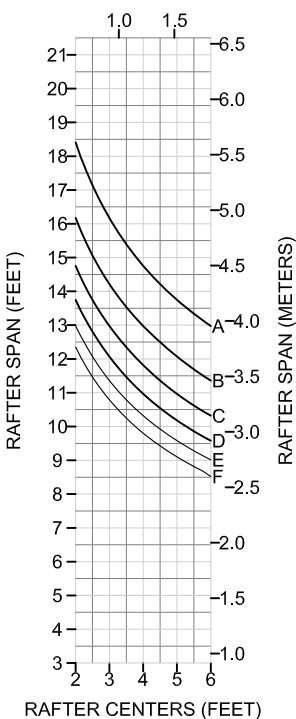
A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf

RAFTER CENTERS (METERS)



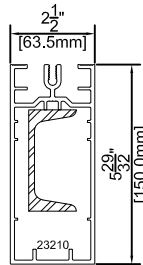
DEFLECTION CRITERION: L/200 OR L/240 + 1/8"	
ALUMINUM ALLOY:	SECTION NUMBER:
6063-T6	23030C3

RAFTER CENTERS (METERS)



23210
 $I_x = 10.386 \text{ in}^4$
 $S_x = 3.243 \text{ in}^3$

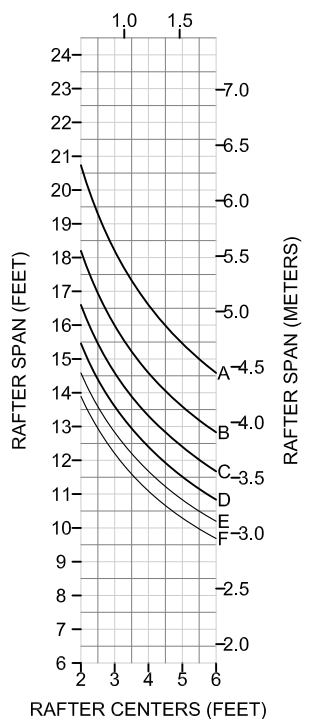
A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf



23210
 $I_x = 10.386 \text{ in}^4$
 $S_x = 3.243 \text{ in}^3$
 C3x4.1 lb/ft
 $I_x = 1.600 \text{ in}^4$
 $S_x = 1.100 \text{ in}^3$

A = 21 psf
 B = 31.5 psf
 C = 42 psf
 D = 52.5 psf
 E = 63 psf
 F = 73.5 psf

RAFTER CENTERS (METERS)

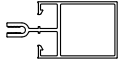
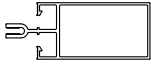

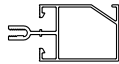
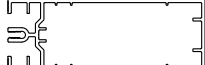



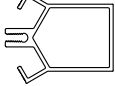
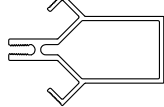



DEFLECTION CRITERION: L/200 OR L/240 + 1/8"	
ALUMINUM ALLOY:	SECTION NUMBER:
6063-T6	23210C3

DEFLECTION CRITERION: L/200 OR L/240 + 1/8"	
ALUMINUM ALLOY:	SECTION NUMBER:
6063-T6	23210

SKYVIEW 2300

COMPONENTS

PART	PART	DESCRIPTION	NOTES
	23010	2" X 2 3/4" (50.8 mm X 69.9 mm) RAFTER LOAD CHART	USE WITH 22050 & 22090 SNAP CAP & PRESSURE PLATE
	23020	2" X 4" (50.8 mm X 101.6 mm) RAFTER LOAD CHART	USE WITH 22050 & 22090 SNAP CAP & PRESSURE PLATE
	23030	2" X 5" (50.8 mm X 127.0 mm) RAFTER LOAD CHART	USE WITH 22050 & 22090 SNAP CAP & PRESSURE PLATE
	23040	2" X 2 3/4" (50.8 mm X 69.9 mm) PURLIN	USE WITH 22080 SLOPED PRESSURE PLATE
	23200	2 1/2" X 6 7/8" (63.5 mm X 174.6 mm) HIGH SPAN RAFTER LOAD CHART	USE WITH 25050 & 25090 SNAP CAP & PRESSURE PLATE
	23210	2 1/2" X 5 7/8" (63.5 mm X 149.2 mm) JACK RAFTER LOAD CHART	USE WITH 25050 & 25090 SNAP CAP & PRESSURE PLATE
	23220	2 1/2" X 6 7/8" (63.5 mm X 174.6 mm) HIP RAFTER FOR 30° SLOPED PYRAMID	USE WITH 23260 & 23270 SNAP CAP & PRESSURE PLATE
	23230	2 1/2" X 6 7/8" (63.5 mm X 174.6 mm) HIP RAFTER FOR 45° SLOPED PYRAMID	USE WITH 23280 & 23290 SNAP CAP & PRESSURE PLATE
	23240	2 3/8" (60.3 mm) 30° RIDGE MEMBER	USE WITH 23280 & 23290 SNAP CAP & PRESSURE PLATE
	23250	2 3/8" (60.3 mm) 45° RIDGE MEMBER	USE WITH 23300 & 23310 SNAP CAP & PRESSURE PLATE
	23140	3/4" (19.1 mm) VENEER	FABRICATION BRACKETS NOT AVAILABLE

APRIL
2010

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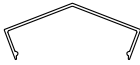
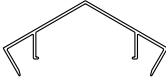



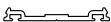

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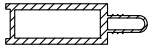





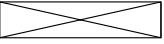
SKYVIEW 2300

COMPONENTS

PART	PART	DESCRIPTION	NOTES
	22050	2" X 3/4" (50.8 mm X 19.0 mm) SNAP CAP	USE WITH 22090 PRESSURE PLATE
	22070	2" X 1 1/4" (50.8 mm X 31.8 mm) SNAP CAP	USE WITH 22090 PRESSURE PLATE
	25060	2 1/2" X 1" (63.5 mm X 25.4 mm) SNAP CAP	USE WITH 25090 PRESSURE PLATE
	25050	2 1/2" X 3/4" (63.5 mm X 19.0 mm) SNAP CAP	USE WITH 25090 PRESSURE PLATE
	23260	30° PYRAMID HIP SNAP CAP	USE WITH 23220 HIP RAFTER
	23280	45° PYRAMID HIP & 30° RIDGE SNAP CAP	USE WITH 23230 & 23240 HIP RAFTER AND RIDGE MEMBER
	23300	45° RIDGE SNAP CAP	USE WITH 23250 RIDGE MEMBER
	22080	2" (50.8 mm) SLOPED PRESSURE PLATE WET SEAL	
	22090	2" (50.8 mm) PUNCHED PRESSURE PLATE DRY SEAL	MILL FINISH USE WITH 22050 & 22070 SNAP CAP
	25090	2 1/2" (63.5 mm) PUNCHED PRESSURE PLATE DRY SEAL	MILL FINISH USE WITH 25050 & 25060 SNAP CAP
	23270	30° PYRAMID HIP PRESSURE PLATE	MILL FINISH USE WITH 23220 HIP RAFTER



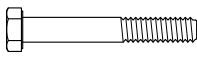

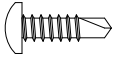
SKYVIEW 2300

COMPONENTS

PART	PART	DESCRIPTION	NOTES
	2350103	SKYVIEW THERMAL BARRIER RIGID PVC	24' (7.3 M) LENGTH USE WITH 2320, 2321, 2322, 2323, 2324, & 2325 HIGH SPAN, JACK HIP RAFTER & RIDGE MEMBER FOR 1" (25.4 mm) GLAZING
	2250003	V.MIDLINE THERMAL BARRIER PVC	500' (152.4 M) PER ROLL SOLD PER FOOT FOR 1" (25.4 mm) GLAZING
	2249903	GLAZING SPLINE PRESSURE PLATE EPDM	500' (152.4 M) PER ROLL SOLD PER FOOT
	2250403	POCKET FILLER 1" X 1/2" (25.4 mm X 12.7 mm) RIGID PVC	24' (7.3 M) LENGTH
	2250503	POLYSHIM TAPE 1/8" (3.2 mm) SPACER	40' (12.1 M) PER ROLL
	2313003	PVC SETTING BLOCK 2" (50.8 mm) LONG	EACH FOR USE WITH 23040 PURLIN
	2250603	PVC SETTING BLOCK 1/4" X 1 1/8" X 4" (6 mm X 28.6 X 101.06 mm)	50 PCS PER PACKAGE 4" (101.6 mm) LONG

SKYVIEW 2300

COMPONENTS

PART	PART	DESCRIPTION	NOTES
	2252101	PRESSURE PLATE SCREWS 1/4" - 20 X 3/4" RHS STAINLESS STEEL SOCKET MACHINE SCREWS	100 PCS PER PACKAGE
	2253101	PRESSURE PLATE SCREWS 1/4" - 20 X 7/8" FHS STAINLESS STEEL SOCKET MACHINE SCREWS	100 PCS PER PACKAGE
	7207101	PRESSURE PLATE SCREWS 1/4" - 20 X 1 3/4" HH STAINLESS STEEL MACHINE SCREWS	USE WITH 2350101 THERMAL BARRIER
	2255101	SHEAR BLOCK SCREWS #12 X 3/4" FHS UC SOCKET SELF TAPPING, ZINC PLATED	100 PCS PER PACKAGE
	7237101	SHEAR BLOCK SCREWS #10 X 1/2" PHS ZINC PLATED	400 PCS PER PACKAGE
	7235101	SHEAR BLOCK SCREWS #10 X 5/8" PHS TEK2 ZINC PLATED	400 PCS PER PACKAGE