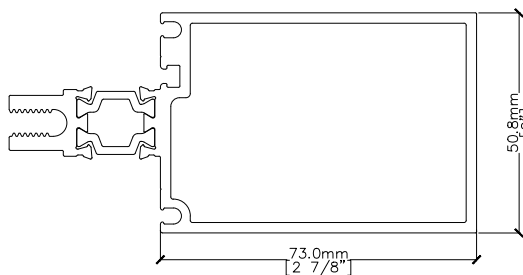


CURTAIN WALL 5200

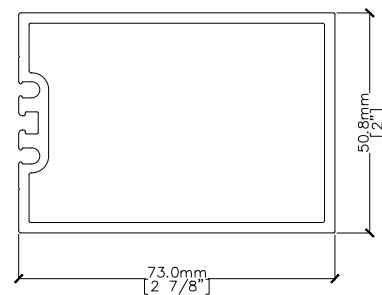
Enerfrees Thermal Series 5200 – 50.8 mm (2") systems can be applied to medium and low rise building setting including Structural Silicone Glazing or SSG.

- Stock lengths are standard 7315.2mm (24') and custom stock lengths are available for supply
- Glazing is external
- 5200 series can accept single glass spandrel, double glass with overall thickness of 25.4mm (1"), and triple glass with an overall thickness of 44.45mm (1 $\frac{3}{4}$ ")
- Designed with shear block hardware
- Standard shear block integration to plates for anchoring

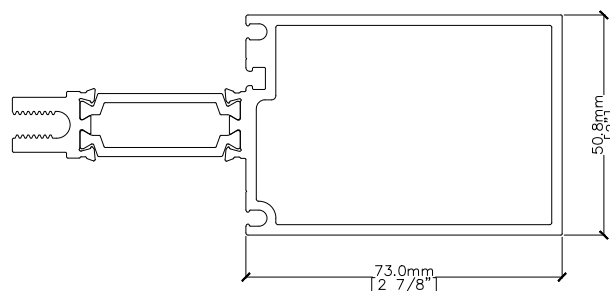
Capped Option (Double Glazed)



Structural Silicone Glazing



Capped Option (Triple Glazed)



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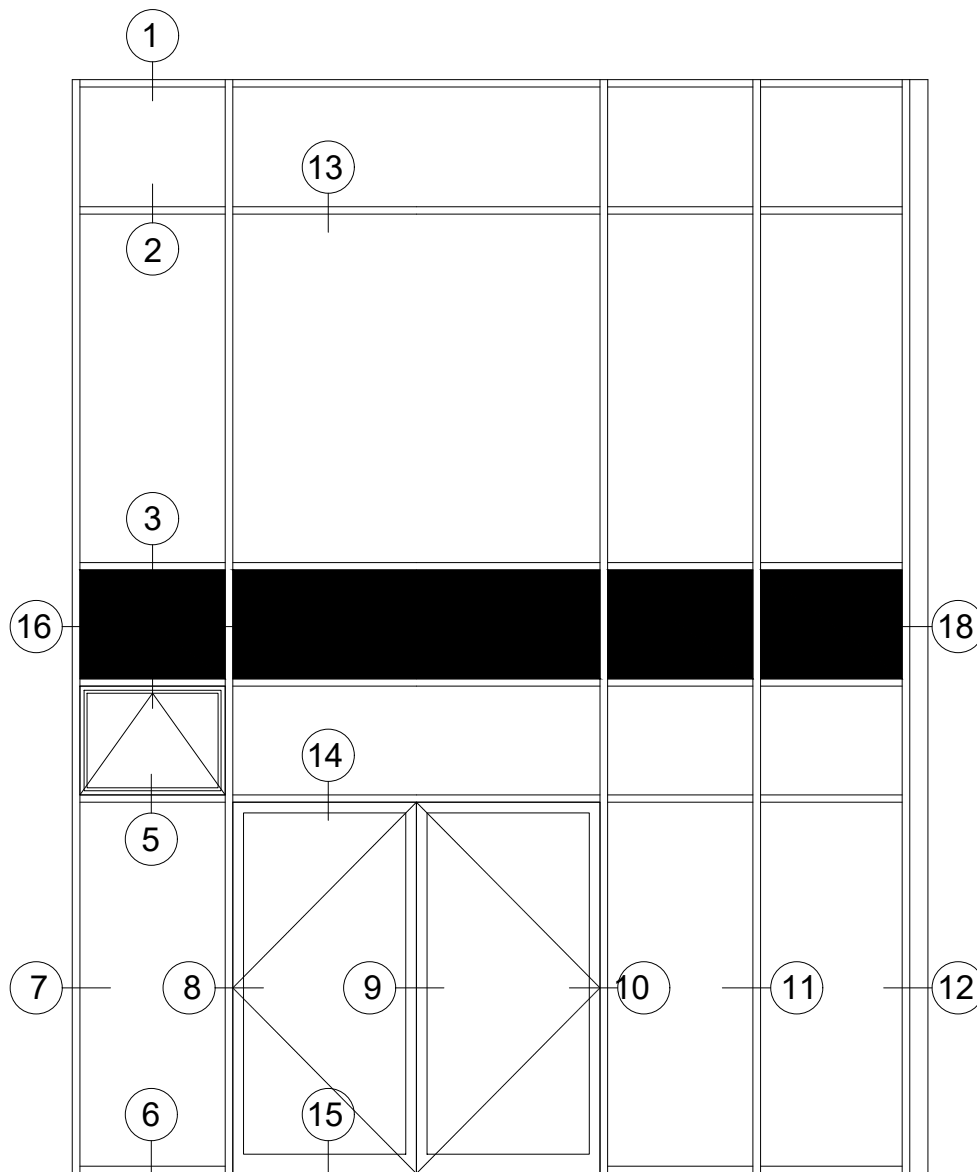
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5200 CURTAIN WALL (Double Glazed)

5200.15.20.0
SECTION 73.0mm (2 7/8")



5200 Thermally Broken Curtain Wall (Double Glazed) is widely used framing profile series for residential, commercial, and industrial setting. It provides unlimited integration to standards or any custom size operable windows and/or doors.



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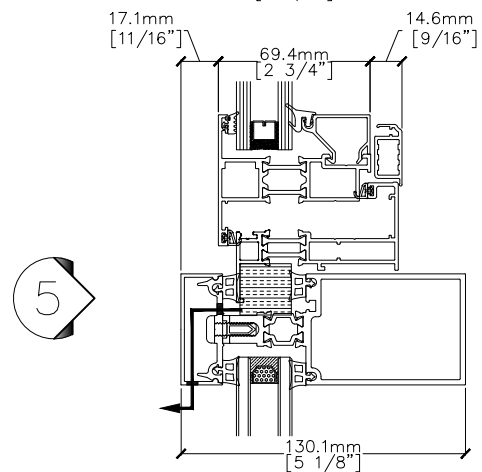
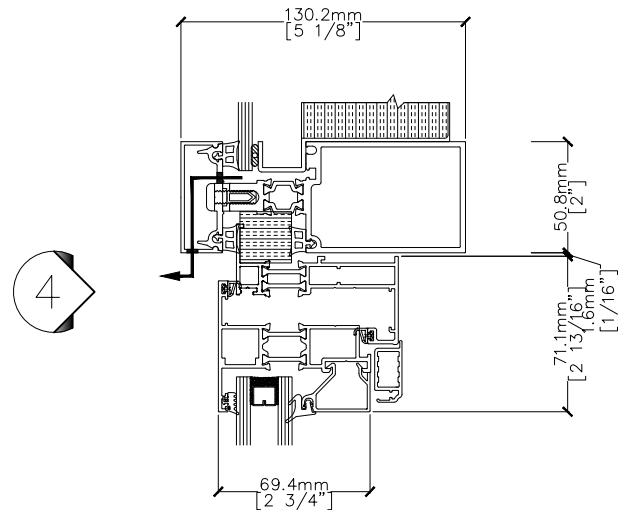
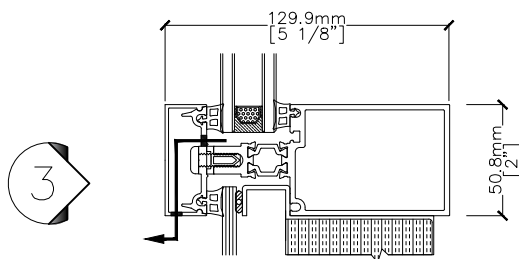
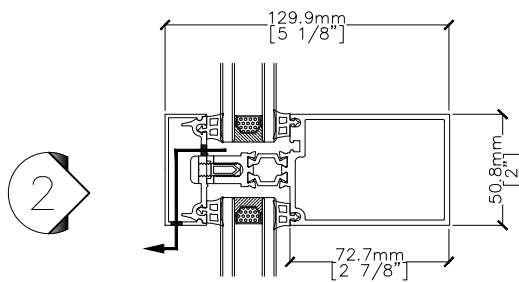
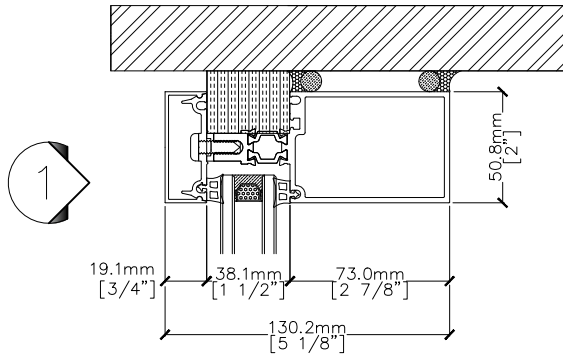
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5200 CURTAIN WALL (Double Glazed)

5200.15.20.1

SECTION 73.0mm (2 7/8")



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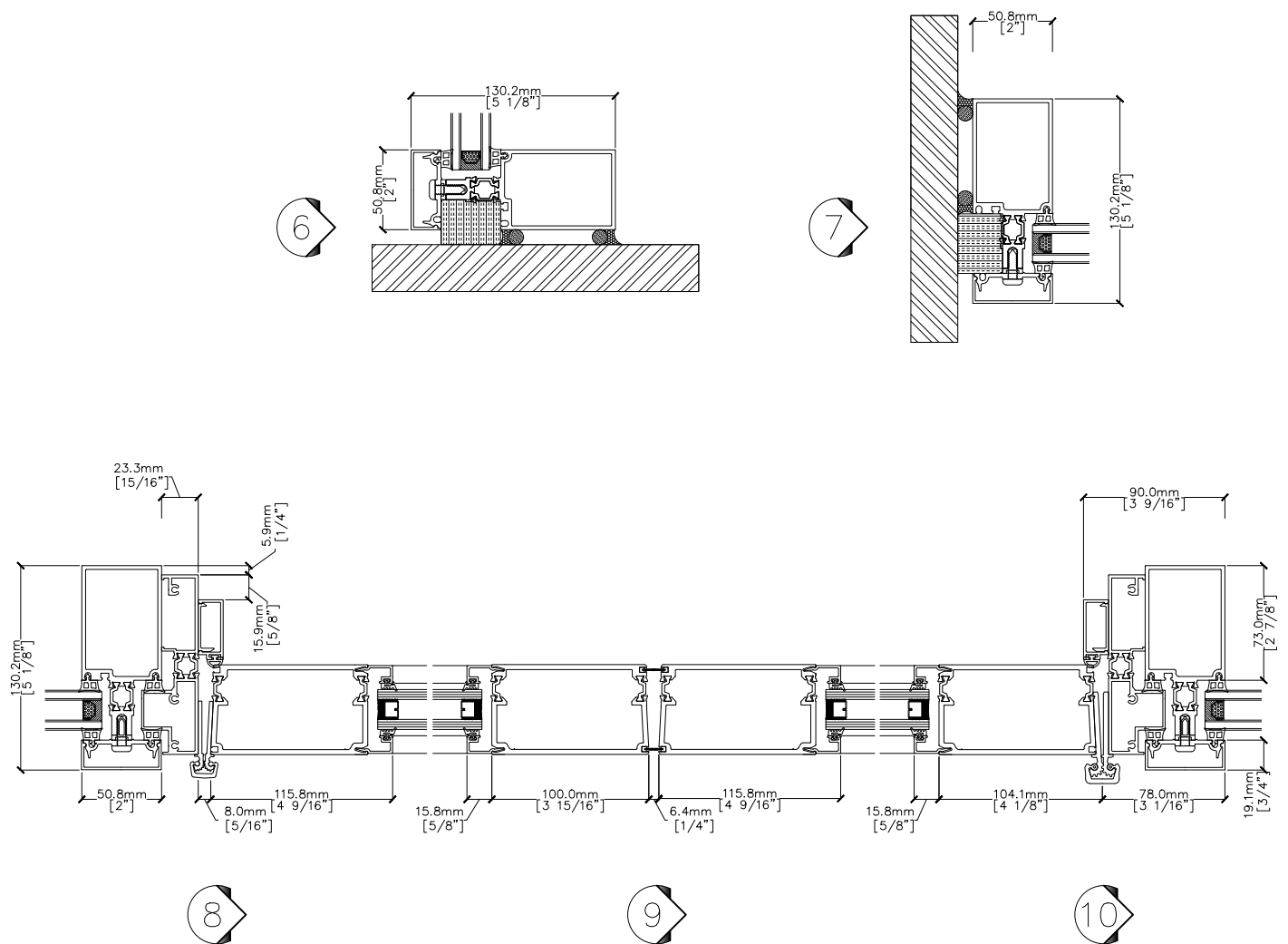
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5200 CURTAIN WALL (Double Glazed)

5200.15.20.2
SECTION 73.0mm (2 7/8")



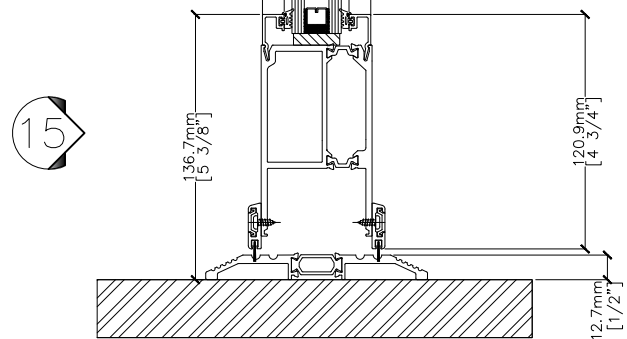
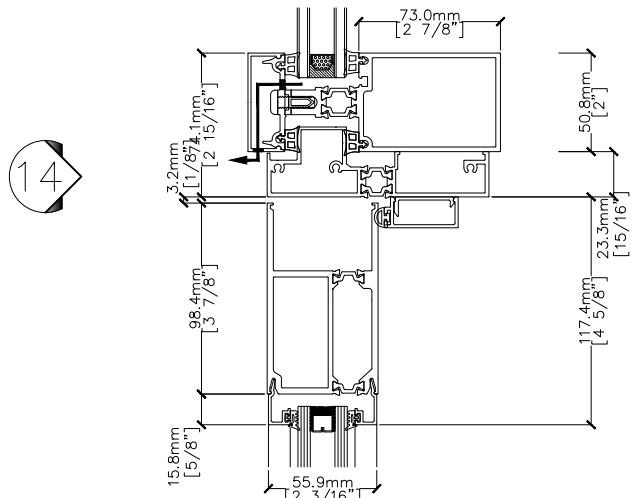
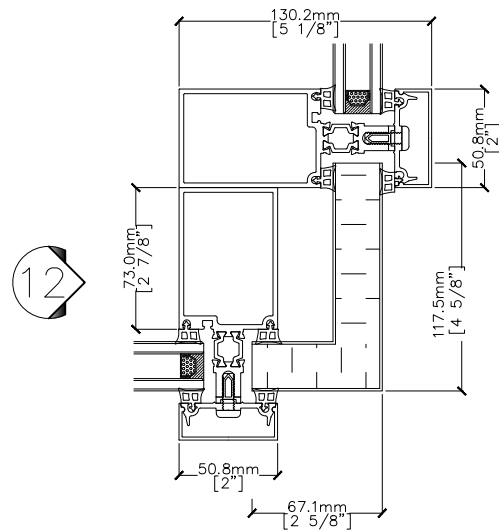
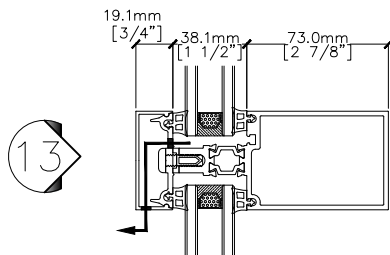
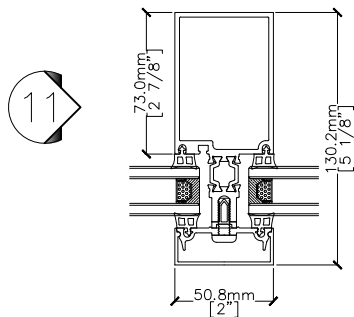
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5200 CURTAIN WALL (Double Glazed) 5200.15.20.3 SECTION 73.0mm (2 7/8")



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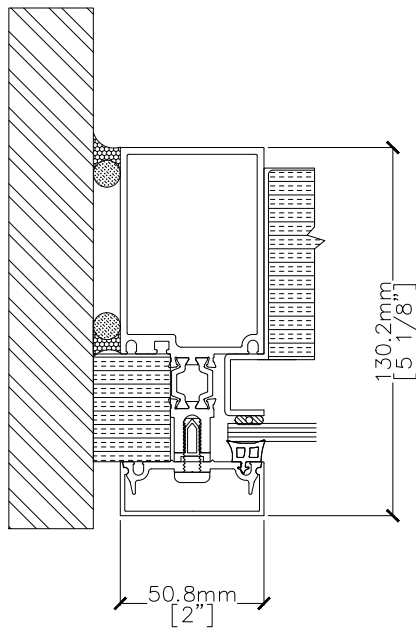
V2025.04

5200 CURTAIN WALL (Double Glazed)

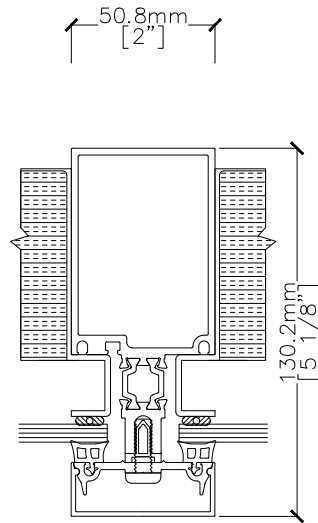
5200.15.20.4

SECTION 73.0mm (2 7/8")

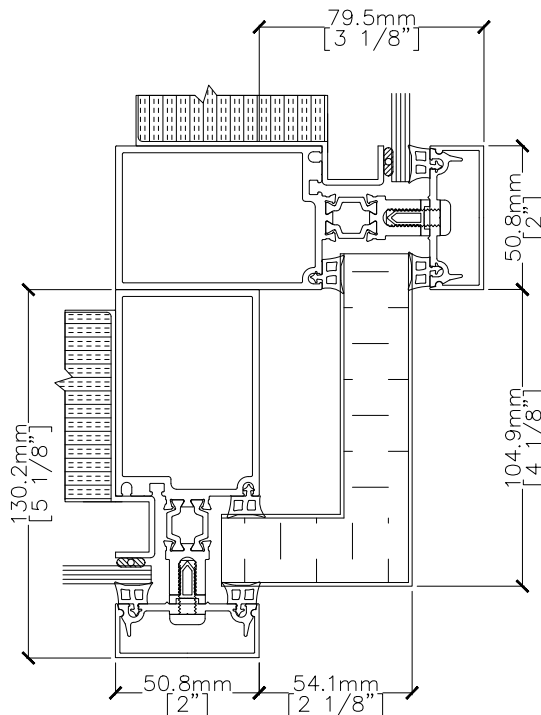
16



17



18



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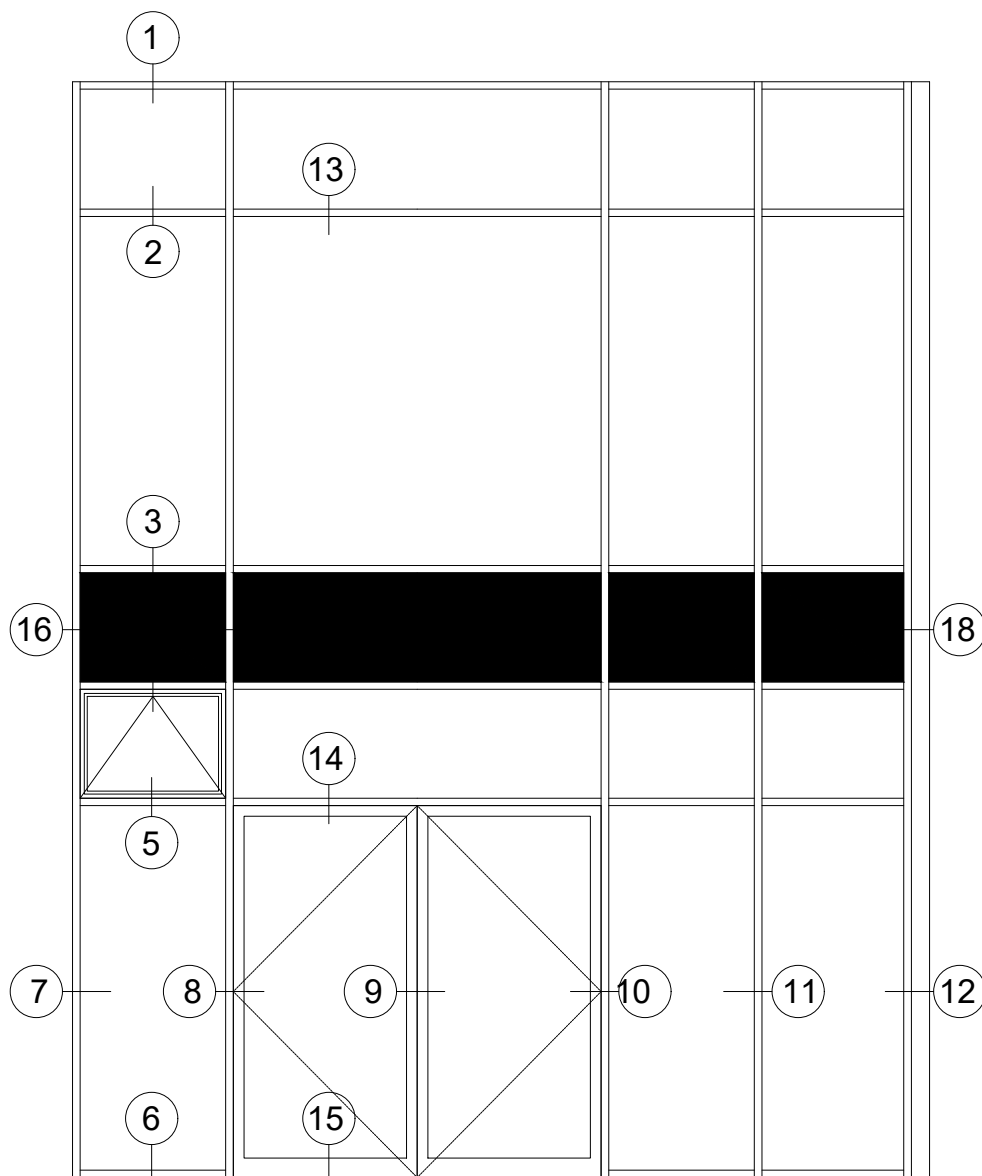
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5200 CURTAIN WALL (Triple Glazed)

5200.15.30.0
SECTION 73.0mm (2 7/8")



5200 Thermally Broken Curtain Wall (Double Glazed) is widely used framing profile series for residential, commercial, and industrial setting. It provides unlimited integration to standards or any custom size operable windows and/or doors.



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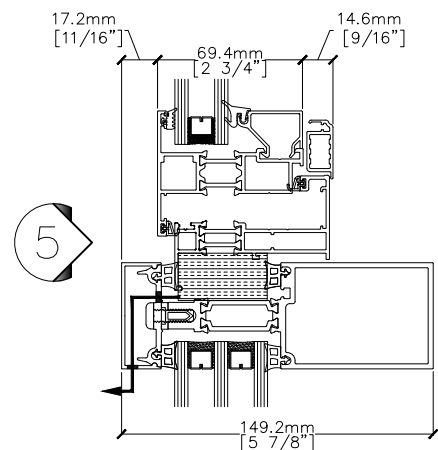
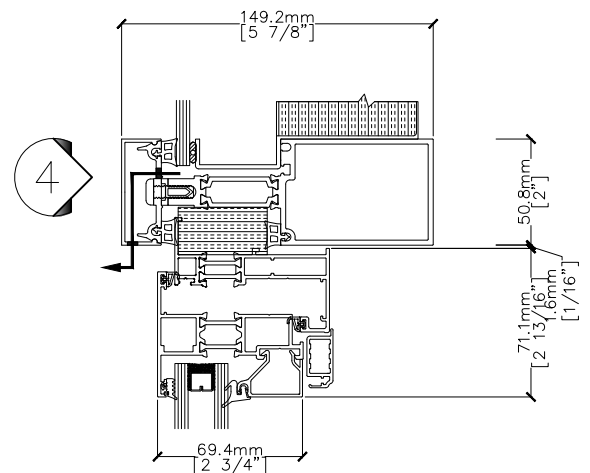
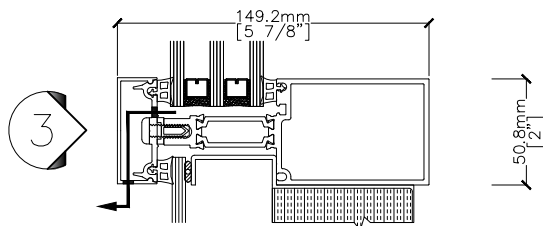
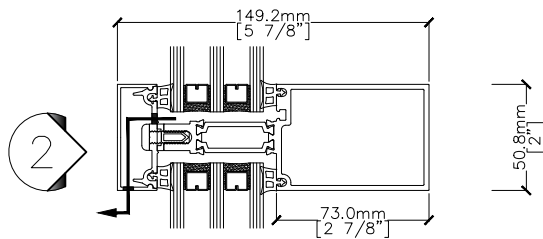
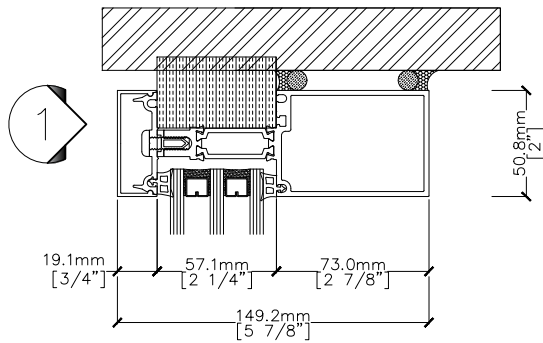
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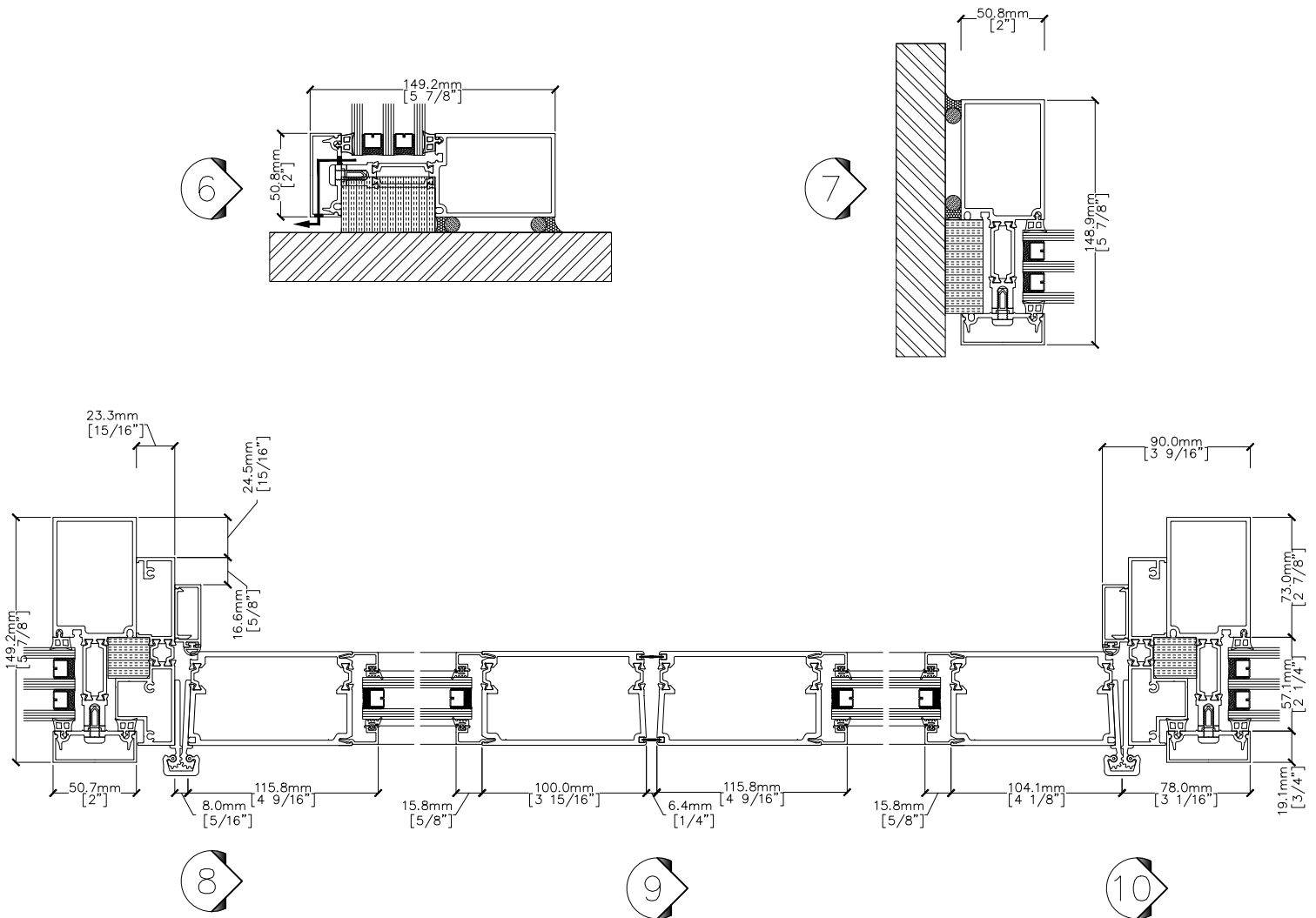
5200 CURTAIN WALL (Triple Glazed)

5200.15.30.1
SECTION 73.0mm (2 7/8")



5200 CURTAIN WALL (Triple Glazed)

5200.15.30.2
SECTION 73.0mm (2 7/8")



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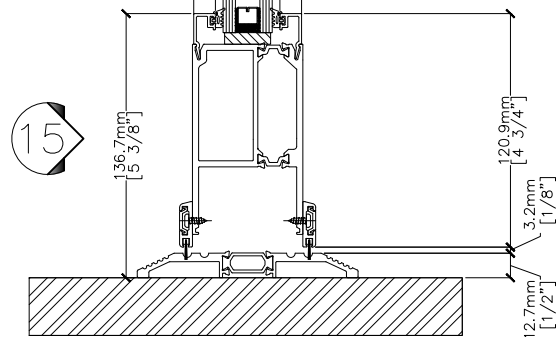
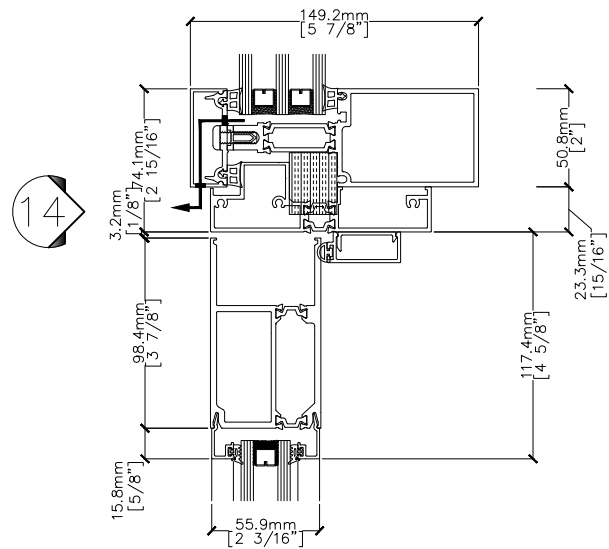
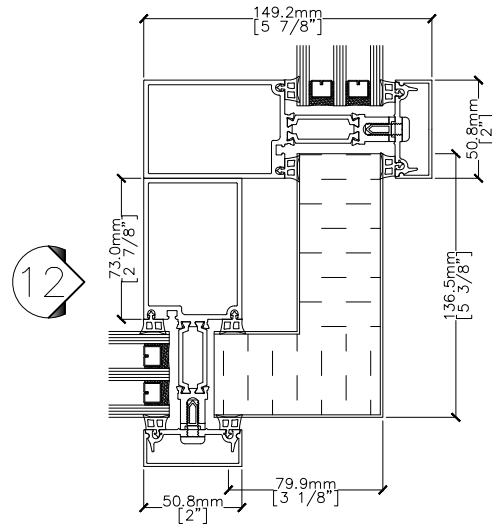
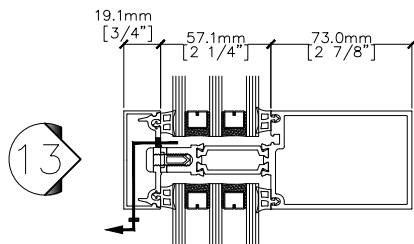
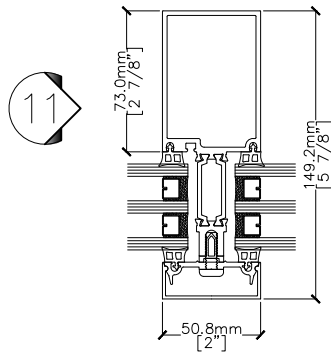
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5200 CURTAIN WALL (Triple Glazed)

5200.15.30.3
SECTION 73.0mm (2 7/8")



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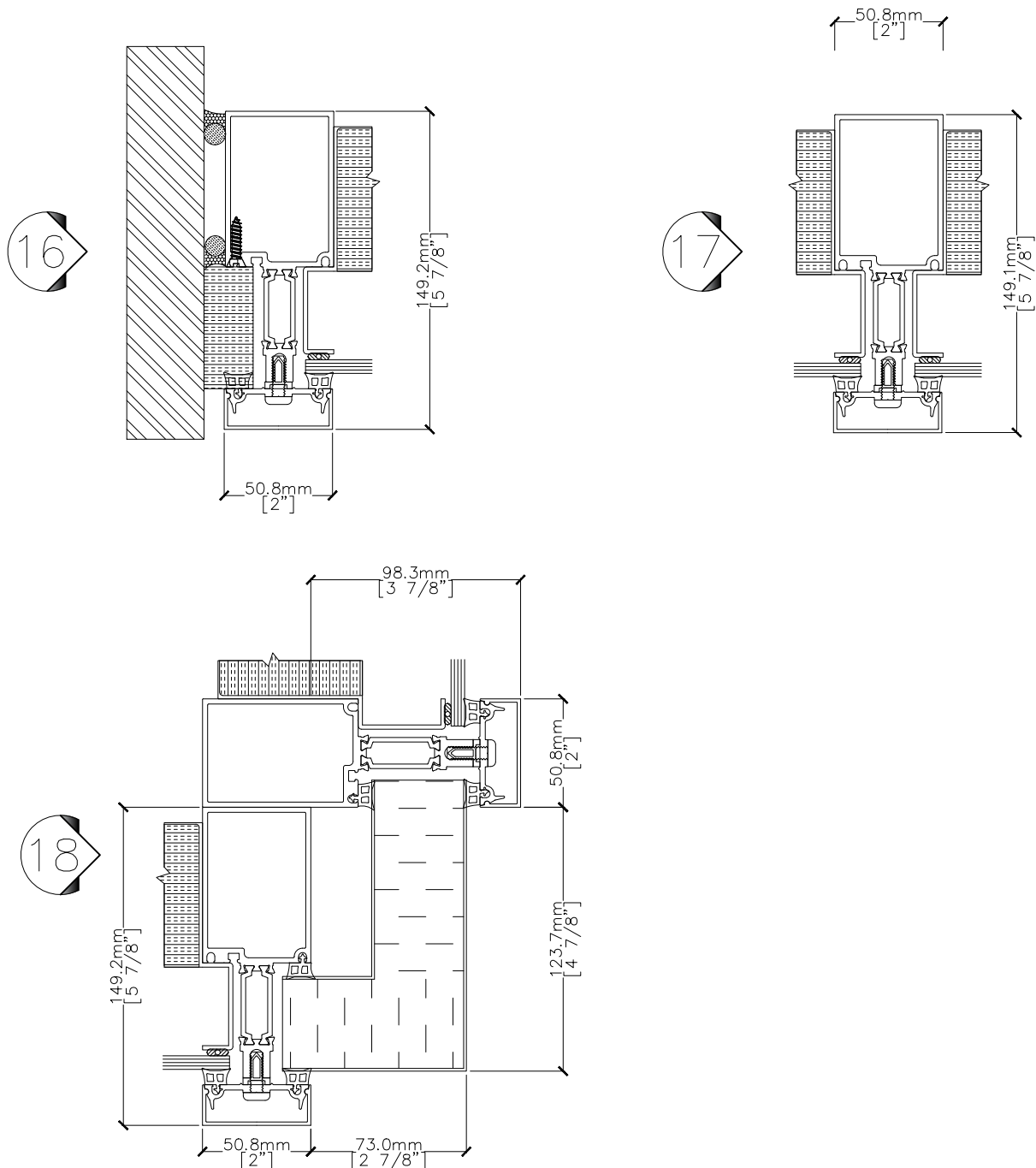
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5200 CURTAIN WALL (Triple Glazed)

5200.15.30.4
SECTION 73.0mm (2 7/8")



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5200 CURTAIN WALL(SSG)

5200.4.1
WIND LOAD CHART

A = 20 PSF

B = 25 PSF

C = 30 PSF

D = 35 PSF

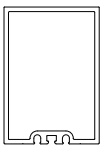
E = 40 PSF

F = 50 PSF

G = 60 PSF

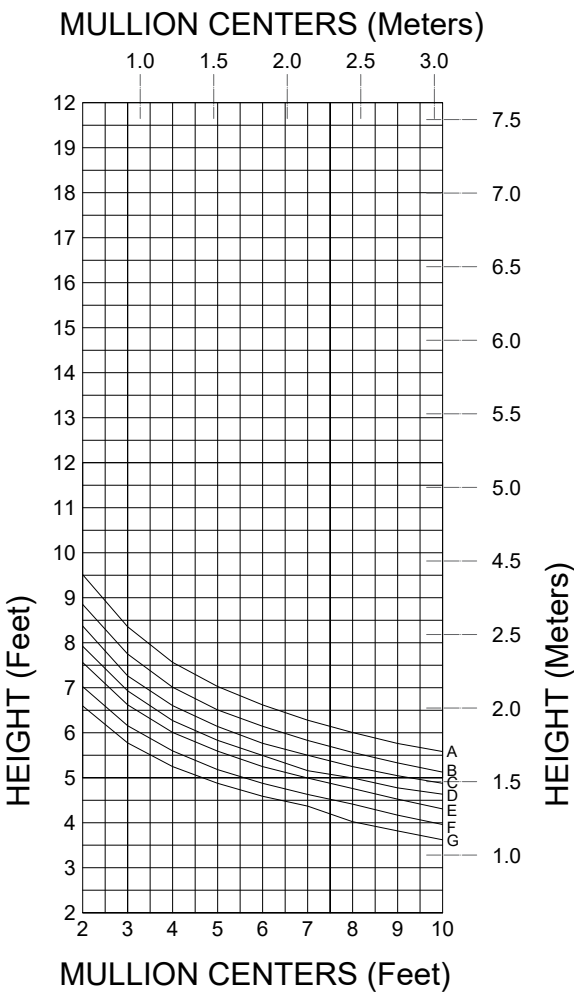
$I_x = 1.1210 \text{ in}^4$

$S_x = 0.7367 \text{ in}^3$



520006

2" x 2 7/8" (50.8mm x 73.0mm)
SSG Horizontal or Mullion



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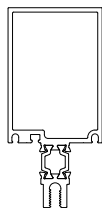
V2025.04

5200 CURTAIN WALL(Double Glazed)

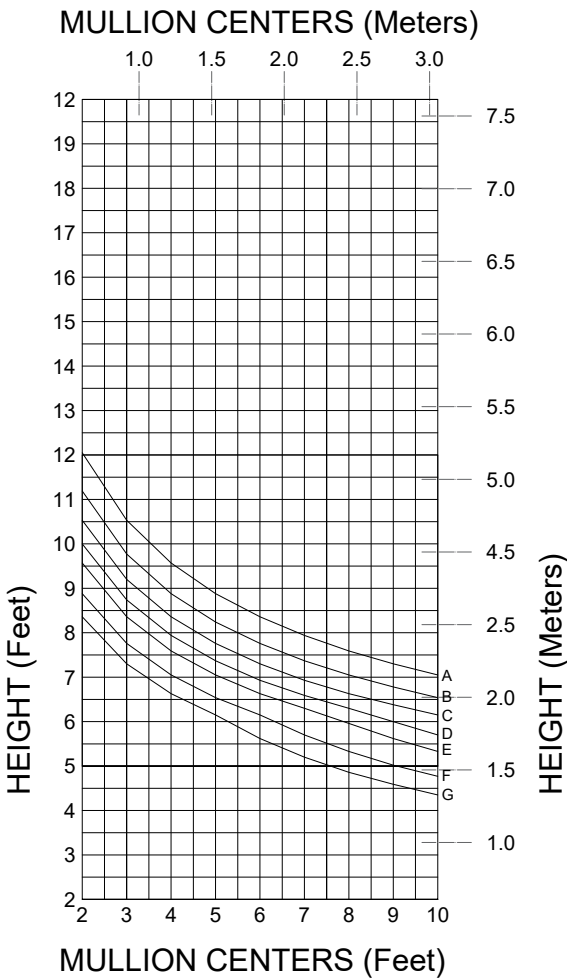
5200.4.4
WIND LOAD CHART

A = 20 PSF
B = 25 PSF
C = 30 PSF
D = 35 PSF
E = 40 PSF
F = 50 PSF
G = 60 PSF

$I_x = 2.2619 \text{ in}^4$
 $S_x = 1.0738 \text{ in}^3$



520021
2" x 2 ⁷/₈" (63.5mm x 73.0mm)
Double Glazed Horizontal or Mullion



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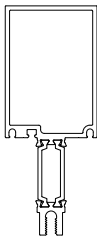
V2025.04

5200 CURTAIN WALL(Triple Glazed)

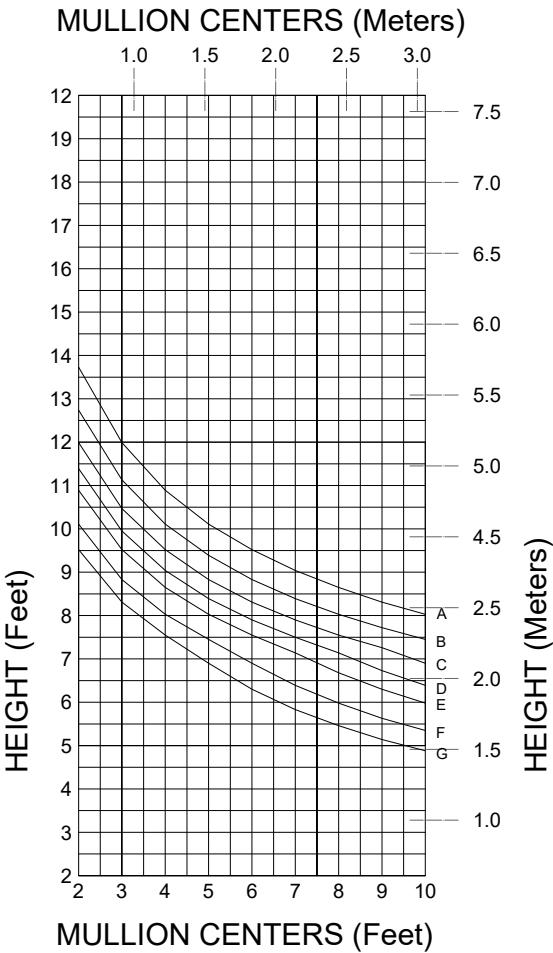
5200.4.7
WIND LOAD CHART

- A = 20 PSF
- B = 25 PSF
- C = 30 PSF
- D = 35 PSF
- E = 40 PSF
- F = 50 PSF
- G = 60 PSF

$I_x = 3.3402 \text{ in}^4$
 $S_x = 1.3510 \text{ in}^3$



520031
2" x 2 7/8" (63.5mm x 73.0mm)
Triple Glazed Horizontal or Mullion



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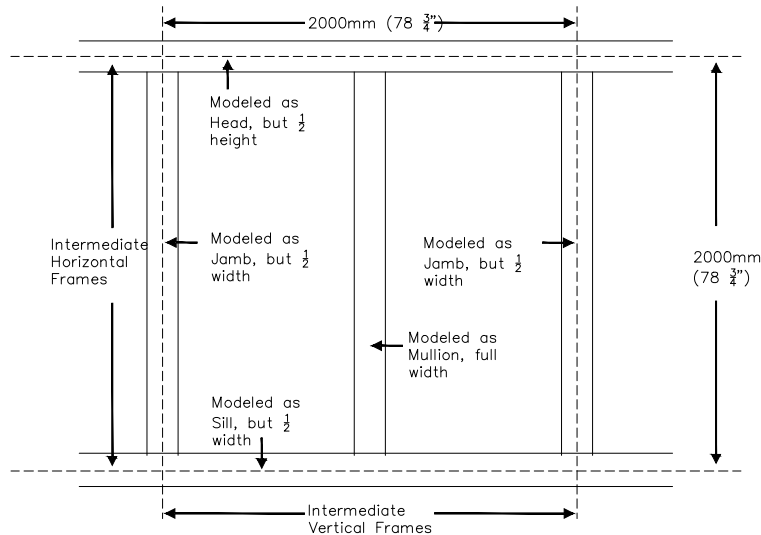
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5200 CURTAIN WALL

5200.5.1
U-FACTOR TABLE (Double Glazed)

1. The overall product U-factors are determined in according with NFRC 100-2010.
2. The Center-of-Glazing U-factors are determined by the insulated glass unit (IGU) and should be obtained from the glass supplier.
3. The simulated specimen size is based on NFRC 100-2010 Table 4-3 Product Type Curtain Wall, which is 2000mm (78 ¾") width by 2000mm (78 ¾") height (½ height of head and sill, ½ width of the vertical mullion). See below:



DOUBLE GLAZED

METRIC UNIT

Center-of-Glazing U-factor (W/m ² -K)	Non-metal Spacer	Aluminum Spacer
	Product U-factor (W/m ² -K)	Product U-factor (W/m ² -K)
1.00	1.37	1.62
1.10	1.46	1.70
1.20	1.55	1.79
1.30	1.64	1.87
1.40	1.72	1.96
1.50	1.81	2.04
1.60	1.90	2.12
1.70	1.99	2.21
1.80	2.07	2.29
1.90	2.16	2.38
2.00	2.25	2.46
2.10	2.34	2.55
2.20	2.43	2.63
2.30	2.51	2.71
2.40	2.60	2.80
2.50	2.69	2.88

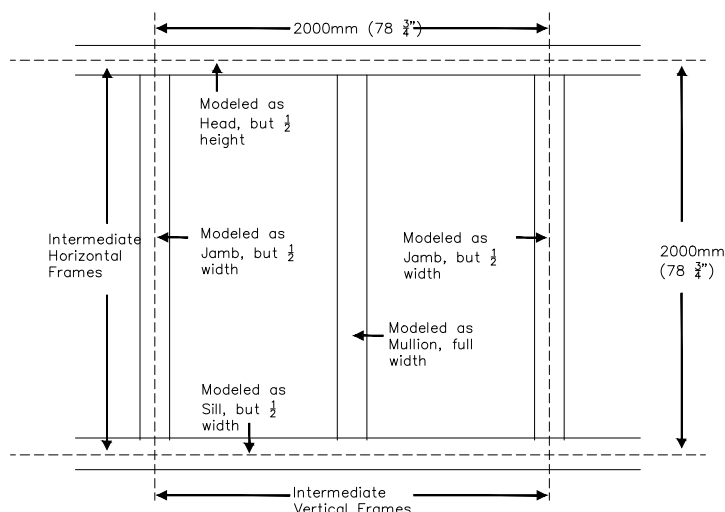
IMPERIAL UNIT

Center-of-Glazing U-factor (Btu/h-ft ² -F)	Non-metal Spacer	Aluminum Spacer
	Product U-factor (Btu/h-ft ² -F)	Product U-factor (Btu/h-ft ² -F)
0.18	0.24	0.29
0.20	0.26	0.31
0.22	0.28	0.32
0.24	0.30	0.34
0.26	0.32	0.36
0.28	0.33	0.37
0.30	0.35	0.39
0.32	0.37	0.41
0.34	0.39	0.42
0.36	0.40	0.44
0.38	0.42	0.46
0.40	0.44	0.47
0.42	0.46	0.49
0.44	0.47	0.51

5200 CURTAIN WALL

5200.5.2 U-FACTOR TABLE (Triple Glazed)

1. The overall product U-factors are determined in according with NFRC 100-2010.
2. The Center-of-Glazing U-factors are determined by the insulated glass unit (IGU) and should be obtained from the glass supplier.
3. The simulated specimen size is based on NFRC 100-2010 Table 4-3 Product Type Curtain Wall, which is 2000mm (78 ¾") width by 2000mm (78 ¾") height (½ height of head and sill, ½ width of the vertical mullion). See below:



TRIPLE GLAZED

METRIC UNIT

Center-of-Glazing U-factor (W/m ² -K)	Non-metal Spacer	Aluminum Spacer
	Product U-factor (W/m ² -K)	Product U-factor (W/m ² -K)
0.50	0.76	1.05
0.60	0.85	1.13
0.70	0.94	1.22
0.80	1.03	1.30
0.90	1.12	1.39
1.00	1.22	1.48
1.10	1.31	1.57
1.20	1.39	1.65
1.30	1.48	1.74
1.40	1.57	1.83
1.50	1.66	1.91
1.60	1.75	2.00
1.70	1.84	2.09

IMPERIAL UNIT

Center-of-Glazing U-factor (W/m ² -K)	Non-metal Spacer	Aluminum Spacer
	Product U-factor (W/m ² -K)	Product U-factor (W/m ² -K)
0.10	0.14	0.19
0.12	0.16	0.21
0.14	0.18	0.23
0.16	0.20	0.25
0.18	0.22	0.26
0.20	0.24	0.28
0.22	0.25	0.30
0.24	0.27	0.32
0.26	0.29	0.33
0.28	0.31	0.35
0.30	0.32	0.37



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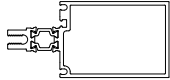
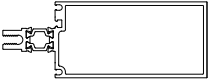
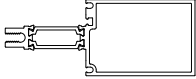
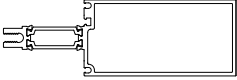
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5200 CURTAIN WALL

5200.6.1
PARTS LIST

PART	PART #	DESCRIPTION	NOTES
	520006	2" x 2 7/8" (50.8mm x 73.0mm) SSG Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520007	2" x 4" (50.8mm x 101.6mm) SSG Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520008	2" x 5 1/4" (50.8mm x 133.4mm) SSG Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520021	2" x 2 7/8" (63.5mm x 73.0mm) Double Glazed Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520022	2" x 4" (63.5mm x 101.6mm) Double Glazed Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520023	2" x 5 1/4" (63.5mm x 133.4mm) Double Glazed Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520031	2" x 2 7/8" (63.5mm x 73.0mm) Triple Glazed Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520032	2" x 4" (63.5mm x 101.6mm) Triple Glazed Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520033	2" x 5 1/4" (63.5mm x 133.4mm) Triple Glazed Horizontal or Mullion	6100 mm (20') Standard Stock Length
	520151	50.8mm (2") Pressure Plate	6100 mm (20') Standard Stock Length



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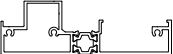
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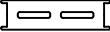
5200 CURTAIN WALL

5200.6.2
PARTS LIST

PART	PART #	DESCRIPTION	NOTES
	520101	50.8mm X 19.1mm (2" X $\frac{3}{4}$ ") Snap cap	6100 mm (20') Standard Stock Length
	520102	50.8mm X 25.4mm (2" X 1") Snap cap	6100 mm (20') Standard Stock Length
	520201	50.8mm (2") x 60.3mm ($2\frac{3}{8}$ ") Shear Block	6100 mm (20') Standard Stock Length
	520202	50.8mm (2") x 89.1mm ($3\frac{1}{2}$ ") Shear Block	6100 mm (20') Standard Stock Length
	520203	50.8mm (2") x 120.9mm ($4\frac{3}{4}$ ") Shear Block	6100 mm (20') Standard Stock Length
	525301	Door Jamb Adapter (Thermally Broken) for 25.4mm (1") Double Glazing	6100 mm (20') Standard Stock Length
	9303	38.1mm ($1\frac{1}{2}$ ") Door Stop Base	6100 mm (20') Standard Stock Length
	9304	38.1mm X 112.7mm ($1\frac{1}{2}$ " X $\frac{1}{2}$ ") Door Stop Cap	6100 mm (20') Standard Stock Length
	9305	38.1mm X 15.9mm ($1\frac{1}{2}$ " X $\frac{5}{8}$ ") Door Stop Cap	6100 mm (20') Standard Stock Length
			6100 mm (20') Standard Stock Length

5200 CURTAIN WALL

5200.6.3
PARTS LIST

PART	PART #	DESCRIPTION	NOTES
	525231	Glass Support for 25.4mm (1") Double Glazing	Priced per piece
	525232	Glass Support for 44.5mm (1 3/4") Triple Glazing	Priced per piece
	R503	Thermal Breaker Rubber	Priced per roll 250ft (65.4m)
	R504	Interior / Exterior Glazing Rubber 6.4mm (1/4")	Priced per roll 250ft (65.4m)
	R508	Interior / Exterior Glazing Rubber 3.2mm (1/8")	Priced per roll 250ft (65.4m)
	R551	31.1mm (1 1/4") Silicone Glazing End Plug for Double Glazing	Priced per piece
	R552	50.1mm (2") Silicone Glazing End Plug for Triple Glazing	Priced per piece
	R553	31.1mm (1 1/4") Long Corner Plug for Double Glazed	Priced per piece
	R554	50.1mm (2") Long Corner Plug for Triple Glazed	Priced per piece



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