



System 5900 ***2 1/2" Curtain Wall Thermally Improved System***

Manufacturer
Of
Architectural
And
Commercial
Grade
Windows,
Curtain Walls,
Entrances,
And
Storefronts

Configurations Outside Glazed • Inside Glazed • 2 or 4-sided Structural Silicone Glazed

The 5900 curtain wall is a high performance pressure glazed system available in a wide variety of configurations. Concealed fasteners provide a clean uninterrupted appearance. Several profiles provide opportunities for a custom appearance with this standard product.

Features

Benefits

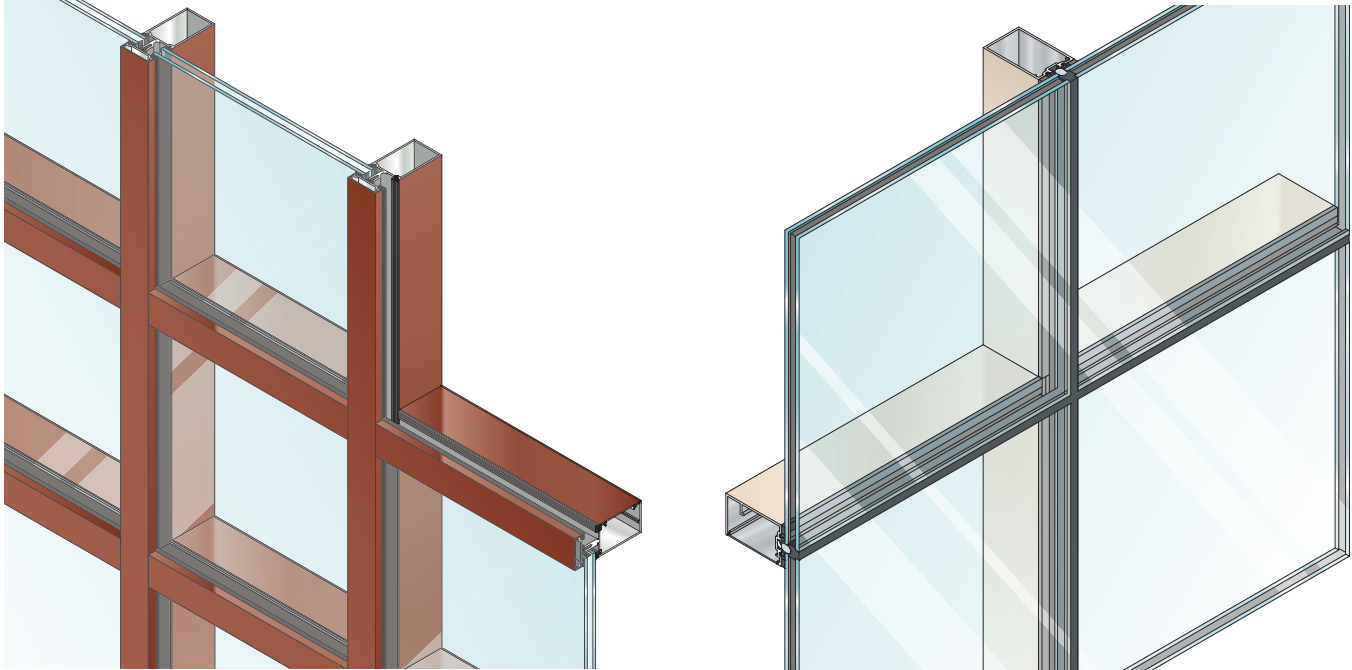
EPDM gasket used to isolate exterior and interior extrusions	Improved thermal performance
Optional corner mullions	Allows 90° and 135° inside and outside corners
Screw spline construction	Allows assembly of sections prior to installation Decreases installation time
Integral door adaptors	Compatible with all 1 3/4" EFCO entrance Contact EFCO Applications Department for 2" entrance
Shear block construction	Ability to erect on the job site
Wide variety of snap-on face covers	Customize projects with face covers of various depths and profiles
Dual glazing	Improved energy savings
Anodized and painted finishes available	Unlimited options to answer economic and aesthetic concerns
Accessory line of perimeter anchors, pocket fillers, door adaptors, etc.	Increased product versatility
Concealed vents	Ability to include ventilation while maintaining the exterior sight line

EFCO CORPORATION
1000 COUNTY RD
MONETT, MO 65708
800.221.4169



System 5900

2 1/2" Curtain Wall Thermally Improved System



Performance Data

Series 5900 Outside Glazed Curtain Wall

Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	See wind load charts
CRF-Frame (1503-98)	68 ^C
CRF-Glass (1503-98)	64 ^E
U-Value (1503-98)	.51 ^E
U-Value (NFRC-102)	.47 ^E
STC (E 90-02)	30 ^E

Series 5900 Inside Glazed Curtain Wall

Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	See wind load charts
CRF-Frame (1503-98)	68 ^{A, E}
CRF-Glass (1503-98)	64 ^{A, E}
U-Value (1503-98)	.51 ^{A, E}
U-Value (NFRC-102)	.47 ^{A, E}
STC (E 90-02)	30 ^{A, E}

A = Estimated values and/or designations
B = Non-standard size or configuration
C = Dual glazed
D = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear
E = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" air, 1/4" clear
F = 1" Insulated - 1/4" clear (Low Emissivity), 1/2" argon, 1/4" clear
G = 1" Insulated - 1/4" clear, 1/2" air, 1/4" clear (Low Emissivity)

Series 5900 2-Sided or 4-Sided Structural Glazed Curtain Wall

Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	See wind load charts
CRF-Frame (1503-98)	68 ^{A, E}
CRF-Glass (1503-98)	64 ^{A, E}
U-Value (1503-98)	.51 ^{A, E}
U-Value (NFRC-102)	.47 ^{A, E}
STC (E 90-02)	30 ^{A, E}

Series 5900 Concealed Vent

Air Infiltration	<.30 cfm/sf @ 6.24 psf
Water	No Leakage @ 15.0 psf
Structural	See wind load charts
CRF-Frame (1503-98)	57 ^{A, E}
CRF-Glass (1503-98)	63 ^{A, E}
U-Value (1503-98)	.68 ^{A, E}
U-Value (NFRC-102)	.61 ^{A, E}
STC (E 90-02)	30 ^{A, E}

Available System Depths

System Depth

	5"	6"	7"	8"	9"
Outside Glazed	A	A	A	A	A
Inside Glazed	A	A	A	A	
2- and 4-Sided Structural Glazed	A	A	A	A	A
Slope Glazed	A	A	A	A	A

A - Available System Depth
blank - N/A

S-5900 Outside Glazed, 2-Sided & 4-Sided Structural Glazed

Polycarbonate

Glass or Panel

	1/8"	3/16"	1/4"	1/8"	.156"	3/16"	.200"	1/4"	1/4"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"
Monolithic Glass	C		A		A	A				C									
Insulated Glass														A		C			

*-Obscure Glass Thickness
**-Laminated Glass Thickness
A - Available Glazing Option
C - Custom pressure plate, adaptor and/or gasket required
blank - N/A

S-5900 Inside Glazed

Polycarbonate

Glass or Panel

	1/8"	3/16"	1/4"	1/8"	.156"	3/16"	.200"	1/4"	1/4"	1/2"	5/8"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-1/2"	1-3/4"	2"
Monolithic Glass			A		A	A													
Insulated Glass														A					

System 5900

2 1/2" Curtain Wall Thermally Improved System



Frame Construction

Series 5900 Curtain Wall has various system depths. Sightlines are nominally 2 1/2" and present a clean, attractive appearance. Members are extruded from 6063-T6 aluminum alloy, and nominal material wall thickness is .125". Joint construction utilizes the shear block method. See Illustration 1.

Concealed Vent Construction

Series 5900 Curtain Wall has optional concealed vents that utilize screw spline construction.

Thermal Barrier

Series 5900 Curtain Wall members are thermally improved using EPDM gasket to isolate exterior and interior extrusions.

Glazing Charts

Series 5900 Curtain Wall can be glazed from the interior or the exterior. It is "dry glazed" with EPDM gaskets. Series 5900 Curtain Wall accommodates 1/4" to 1 1/4" infill panels. Dual glazing is available with internal venetian blinds.

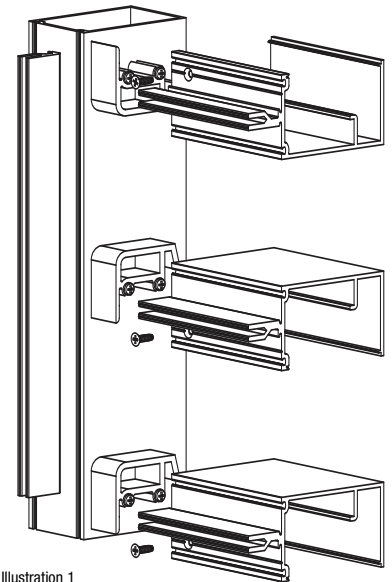
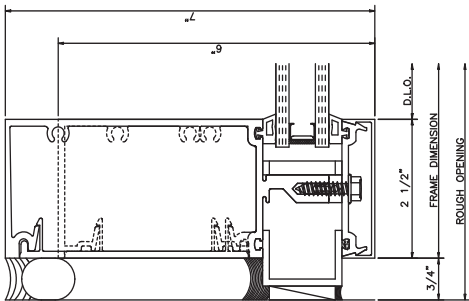
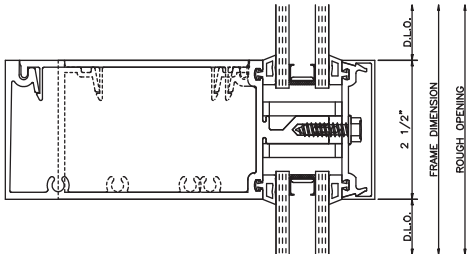


Illustration 1

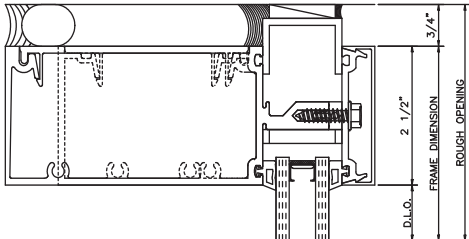
420 LEFT JAMB



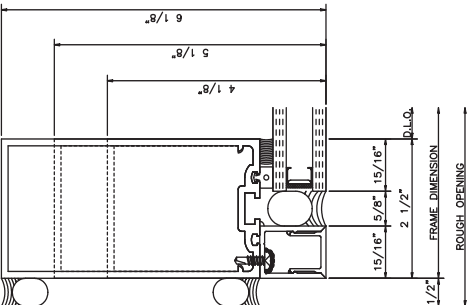
610 VERTICAL



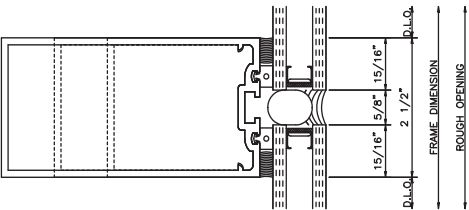
421 RIGHT JAMB



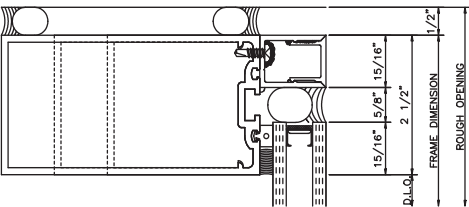
430 LEFT JAMB



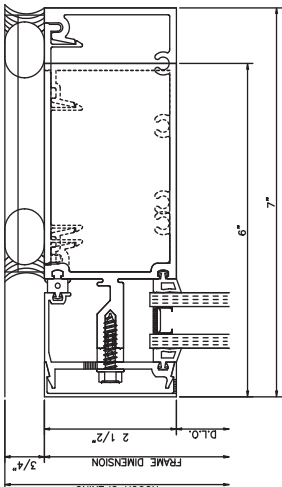
615 VERTICAL



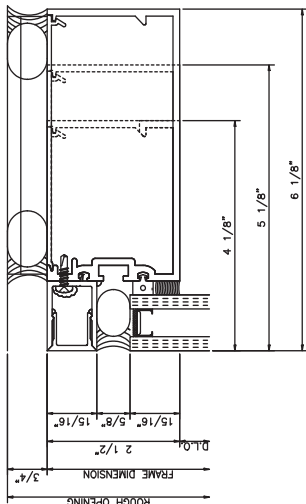
431 RIGHT JAMB



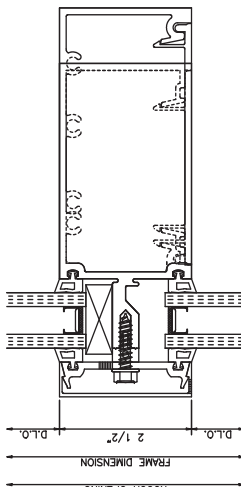
110 HEAD



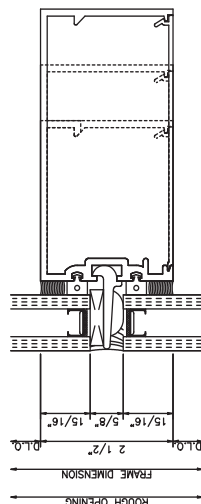
115 HEAD



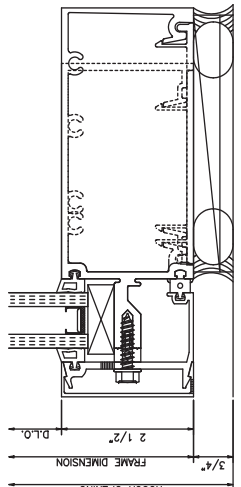
510 HORIZONTAL



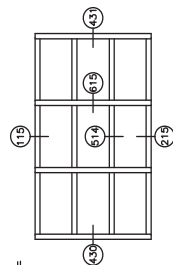
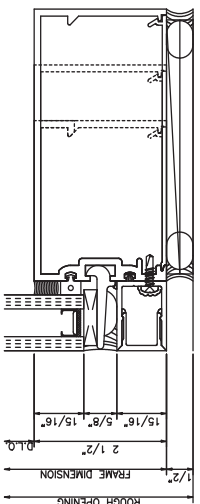
514 HORIZONTAL



210 SILL



215 SILL



5900 Screw Spline Outside Glazed

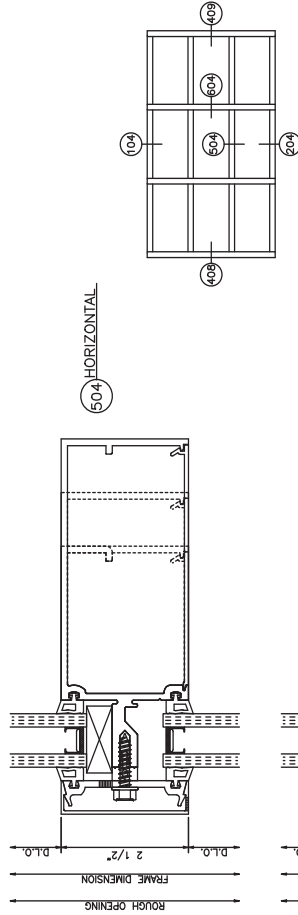
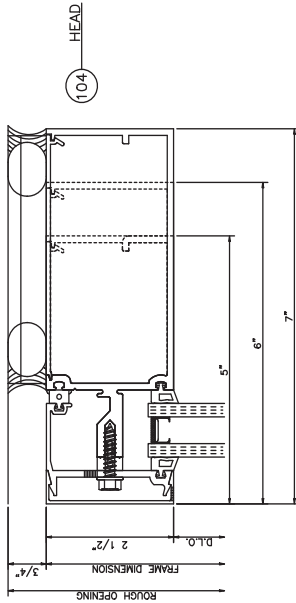
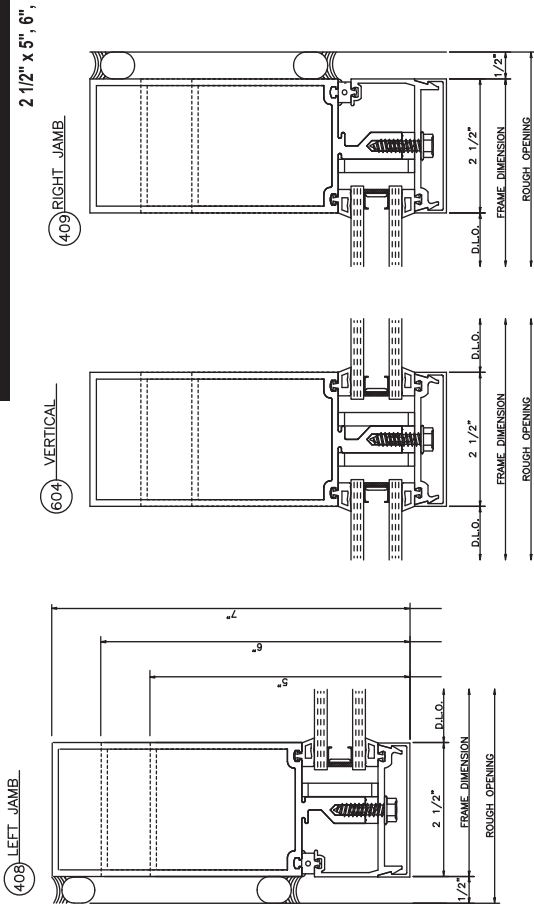
2 1/2" x 6", 7"

5900 Structural Silicone Glazed

2 1/2" x 4 1/8", 5 1/8", 6 1/8"

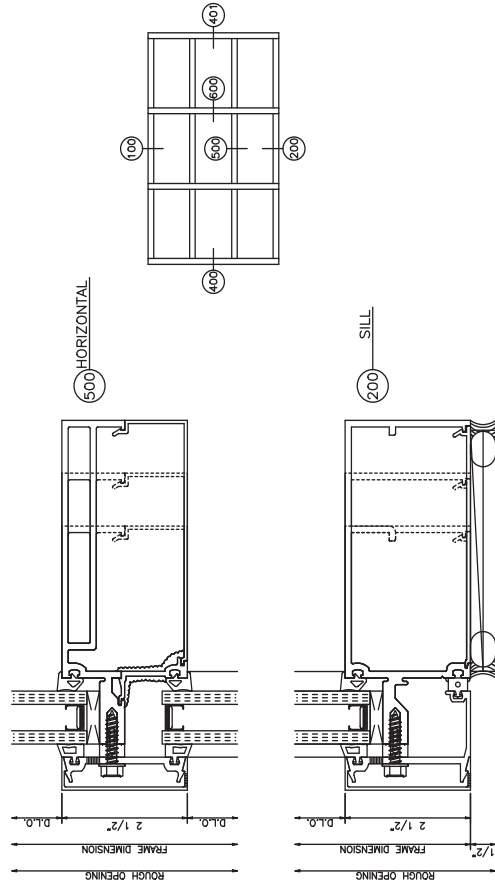
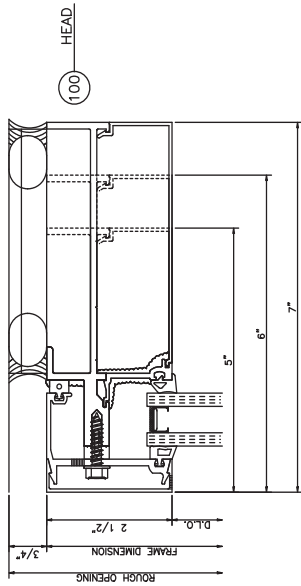
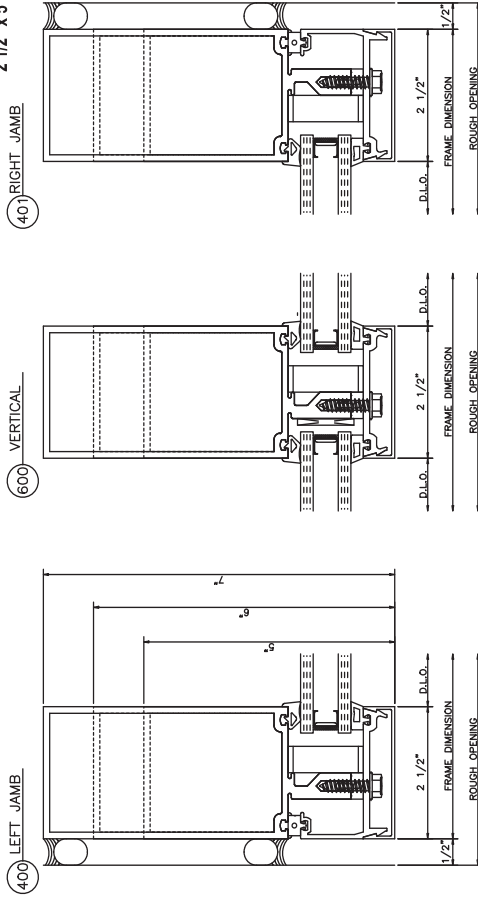
5900 Outside Glazed Center Tongue

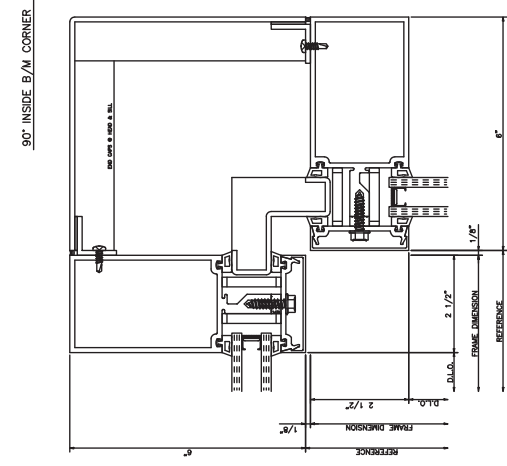
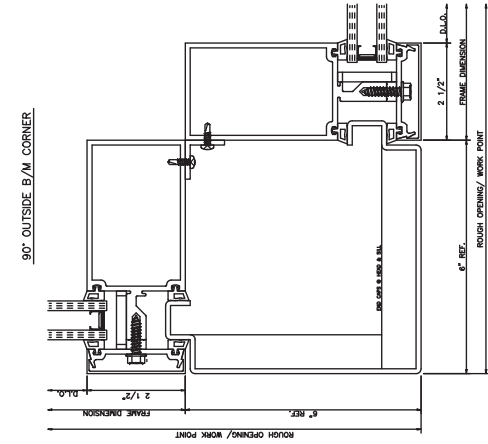
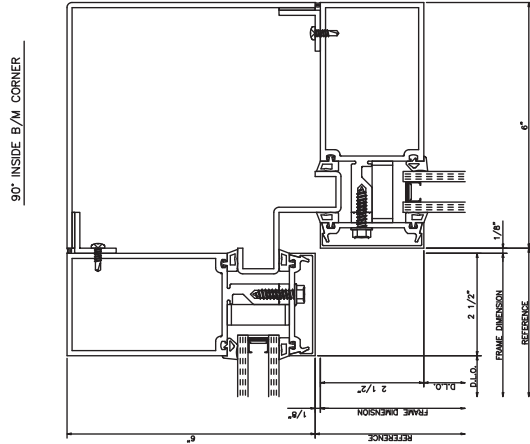
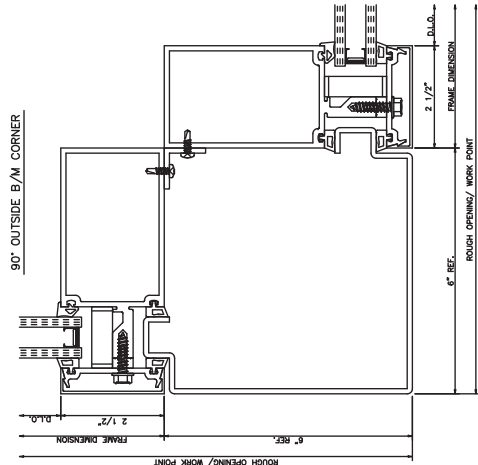
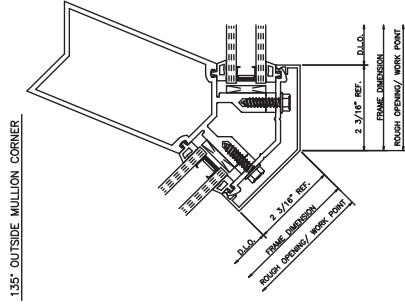
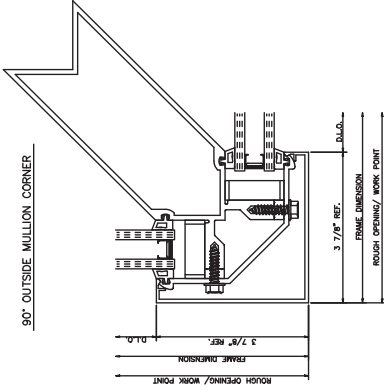
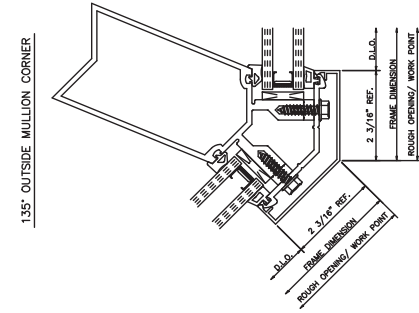
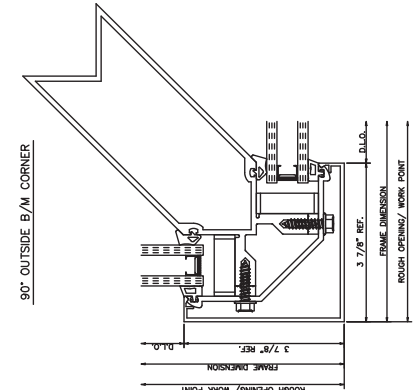
2 1/2" x 5", 6", 7"



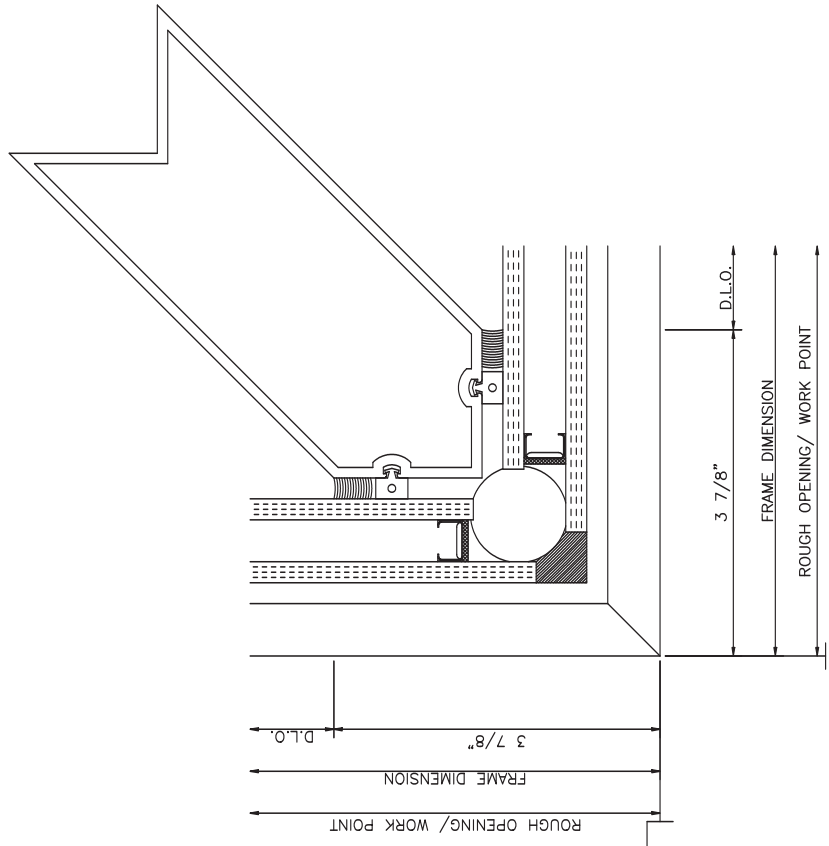
5900 Inside Glazed Offset Tongue

2 1/2" x 5", 6", 7"

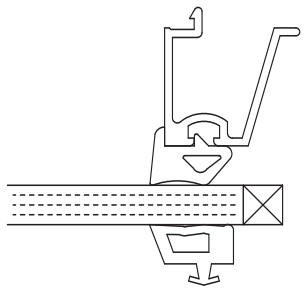




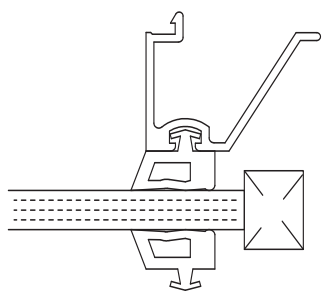
5900 Corners



5900 Glazing



INSIDE GLAZE
1/4" GLAZING



OUTSIDE GLAZE
1/4" GLAZING