

IMPACT GRADE



BALLISTIC GRADE



E-Wall™ System 5800

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

The beauty of EFCO's E-Wall Silicone Gasket curtain wall system is the simplicity in which it is installed. There are no internal joint seals, mullion plugs, pressure plates or snap on covers that increase the labor hours for installation time. The molded-corners' continuous silicone gaskets tap into place quickly and stay flexible permanently, even under extreme weather conditions, and the system's efficient compression gasket simply will not leak. Aside from the system's easy installation benefit and sound construction, it also proves to be very attractive in its ability to comply with all specifications set forth in energy conservation, yielding a U-value of .21 and CRF of 85. These results meet and exceed current standards for thermal performance levels.

Features

Sealant is not required at internal frame or joints

Gasket acts as thermal barrier

Narrow sightline gasket with square corners

Positive glazing seal with silicone gasket

Color match gasket available

Anodized and painted finishes available

Accessory line of perimeter anchors, pocket fillers, door adaptors, etc.

Accommodates up to 2" glazing*

Benefits

Decreases installation time and amount of field labor required

Improved thermal properties in standard product

Clean - contemporary designs are accented

No water infiltration

Aesthetic options are vast

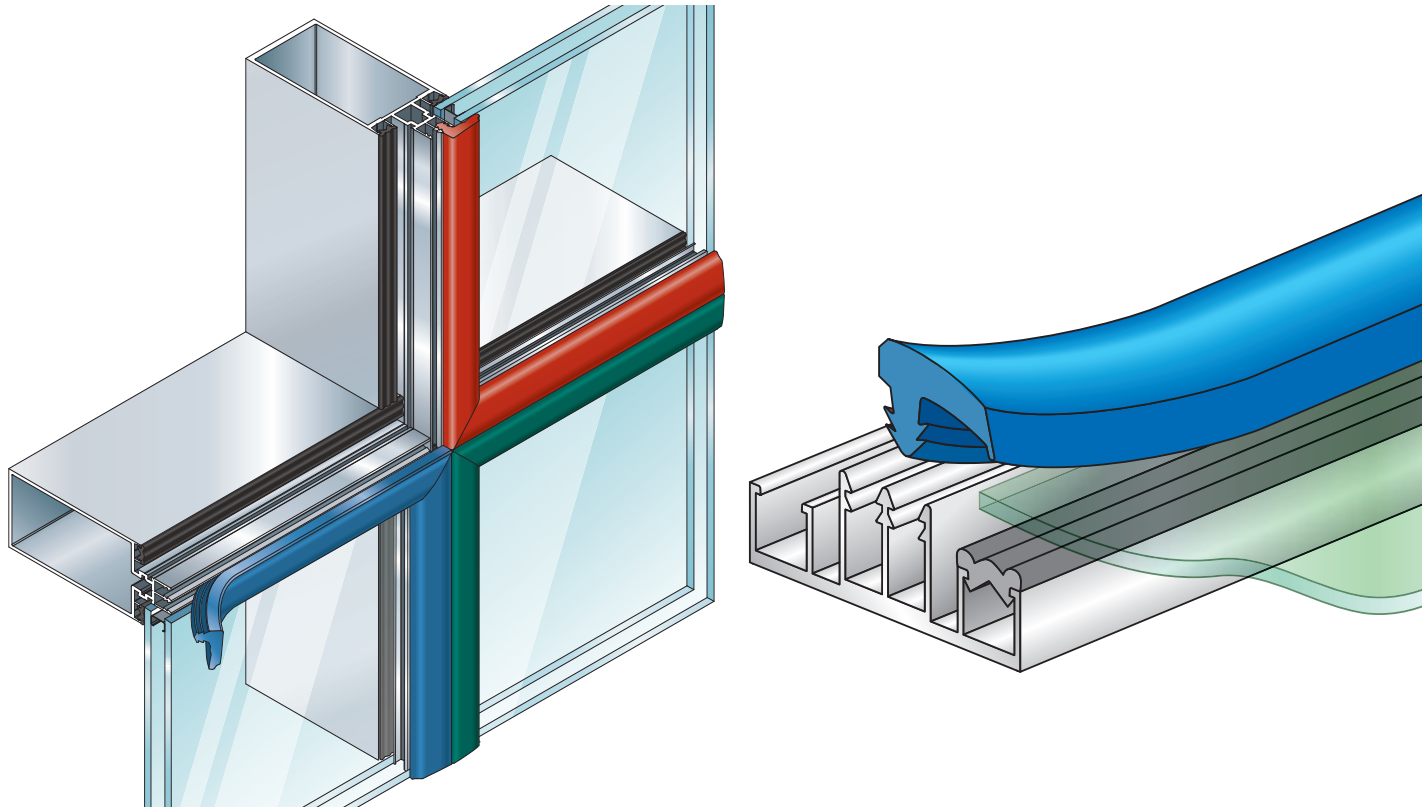
Unlimited options to answer economic and aesthetic concerns

Increased product versatility

Flexibility in design requirements.

*2" glazing available with E-Strut™ thermal barrier only.

EFCO CORPORATION
1000 COUNTY RD
MONETT, MO 65708
800.221.4169



Performance Data

E-Wall™ Standard System

Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage >15.0 psf
Structural	See wind load charts
CRF-Frame (1503-98)	74 ^A E
CRF-Glass (1503-98)	68 ^A E
U-Value (1503-98)	.45 ^A E
U-Value (NFRC-102)	.42 ^E
STC (E 90-02)	29 ^E

E-Wall™ Standard System, With Thermal Barrier For 1" Glazing

Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage >15.0 psf
Structural	See wind load charts
CRF-Frame (1503-98)	82 ^A E
CRF-Glass (1503-98)	70 ^A E
U-Value (1503-98)	.40 ^A E
U-Value (NFRC-102)	.38 ^E
STC (E 90-02)	30 ^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

J = 2" Insulated - 1/4" clear (Low Emissivity), 1/2" argon, 1/4" clear (Low Emissivity), 1/2" argon, 1/4" clear

E-Wall™ Standard System, With Thermal Barrier For 2" Glazing

Air Infiltration	<.06 cfm/sf @ 6.24 psf
Water	No Leakage >15.0 psf
Structural	See Wind Load Charts
CRF-Frame (1503-98)	85 ^J
CRF-Glass (1503-98)	80 ^J
U-Value (1503-98)	.22 ^J
U-Value (NFRC-102)	.21 ^J
STC (E 90-02)	33 ^J

Available System Depths	System Depth				
	5"	6"	7"	8"	9"
For 1" Glazing	A	A	A	A	
For 2" Glazing		A	A	A	A

A - Available System Depth
blank - N/A

1" Outside Glazing Options	Glass or Panel										
	1/16"	1/8"	1/4"	3/8"	7/16"	1/2"	9/16"	13/16"	7/8"	15/16"	1"
Glazings	0	0	S	0	0	0	S	0	0	0	S

0 - Optional
S - Standard
blank - N/A

1" Outside Glazing Options	Glass or Panel															
	1-1/16"	1-1/8"	1-3/16"	1-1/4"	1-3/8"	1-7/16"	1-1/2"	1-9/16"	1-13/16"	1-7/8"	1-15/16"	2"	2-1/8"	2-3/16"	2-1/4"	2-3/8"
Glazings	0	0	0	S	0	0	0	S	0	0	0	S				

Frame Construction

E-Wall 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 the nominal material wall thickness is .118". Joint construction utilizes overlapping horizontal and vertical notches with concealed fasteners. See Illustration 1.

Glazing

E-Wall curtain wall is glazed from the exterior. It is "dry glazed" with preset interior and drive-on exterior structural silicone gaskets. All exterior structural gaskets are continuous with extruded lineals welded to injection molded corners, forming a complete perimeter frame around infill.

Gasket color, surface texture, and gloss are to be consistent the entire length. The structural gasket is available in any of EFCO's 21 standard colors. (See EFCO's Coatings and Colors chart for 21 standard colors.)

Structural gaskets retain the infill with 7 pounds per lineal foot of pressure. Inside corners of structural gaskets have a radius sufficient to maintain uniform pressure on infill.

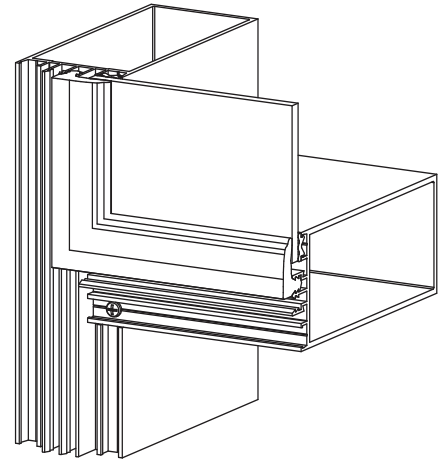
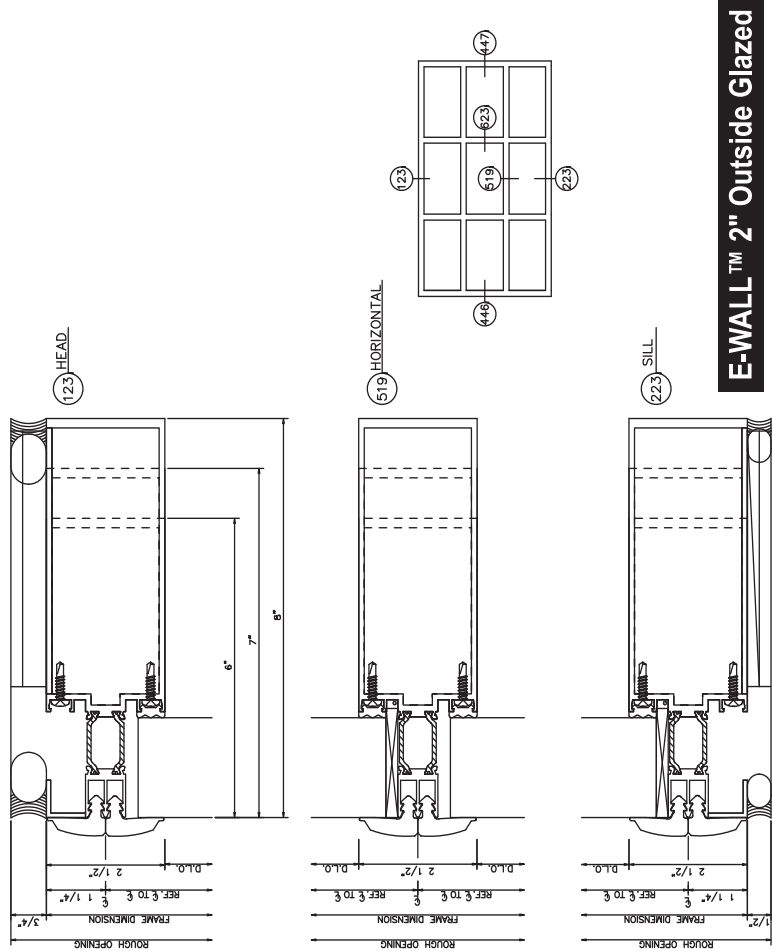
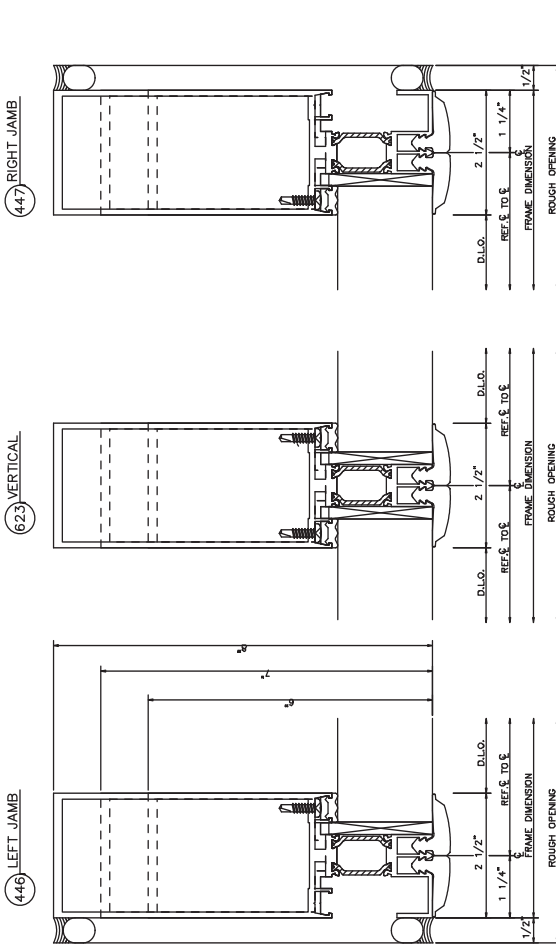
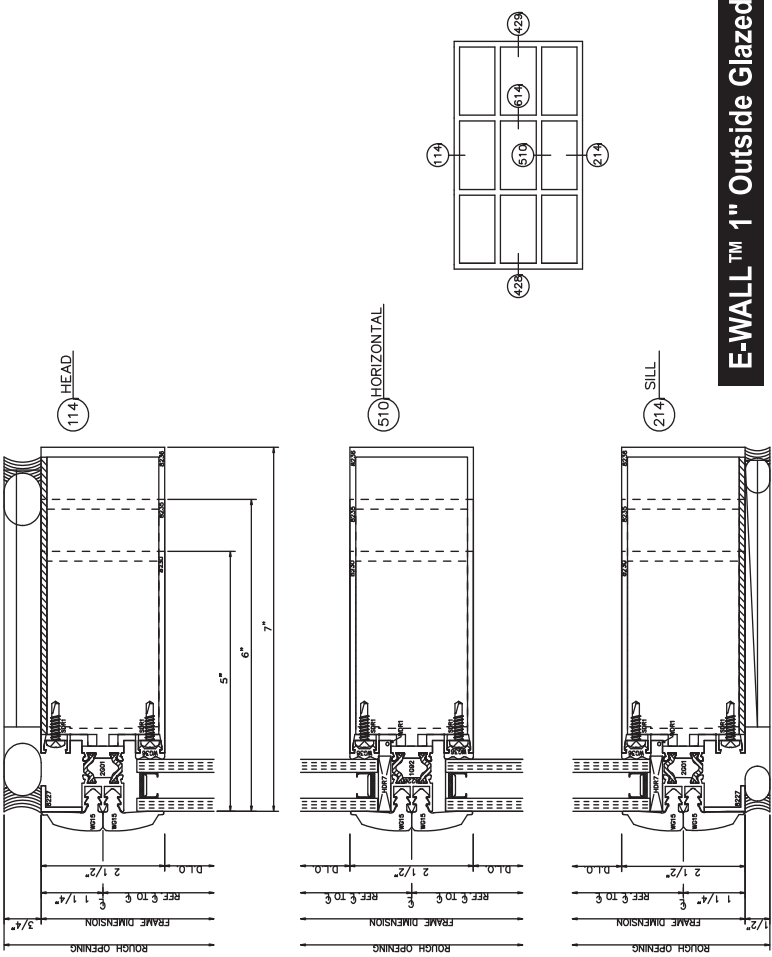
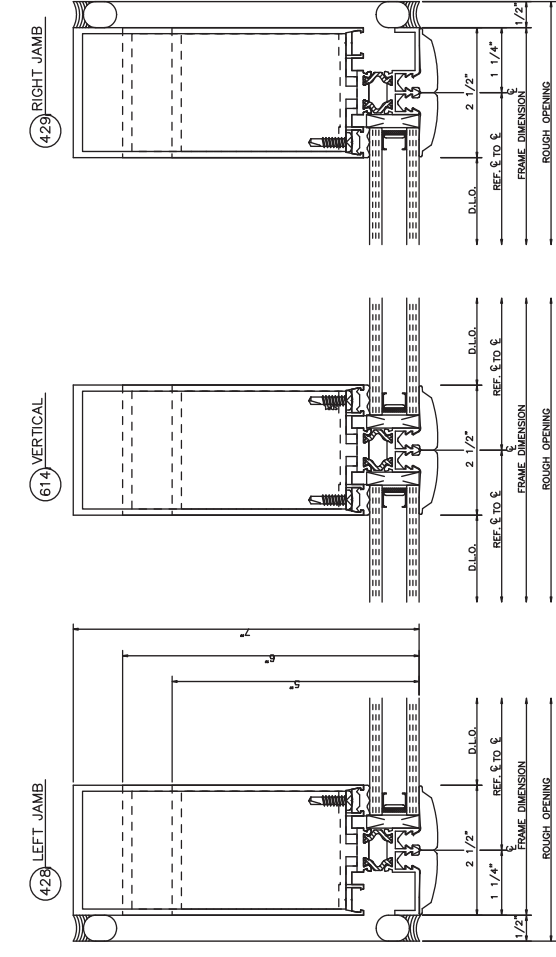
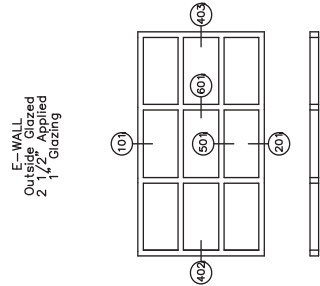
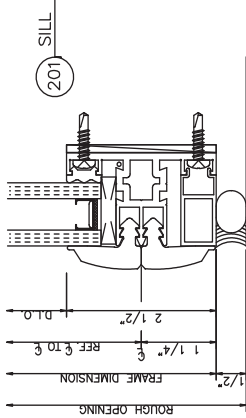
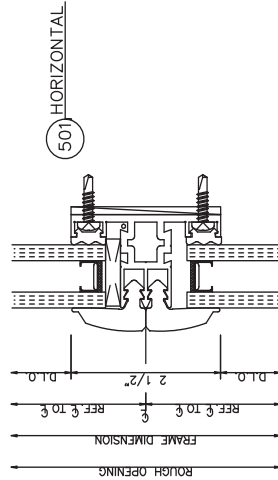
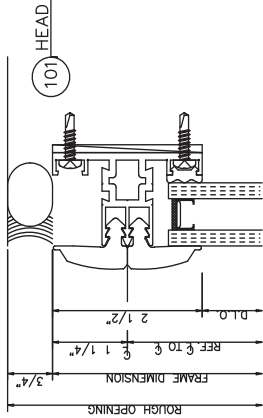
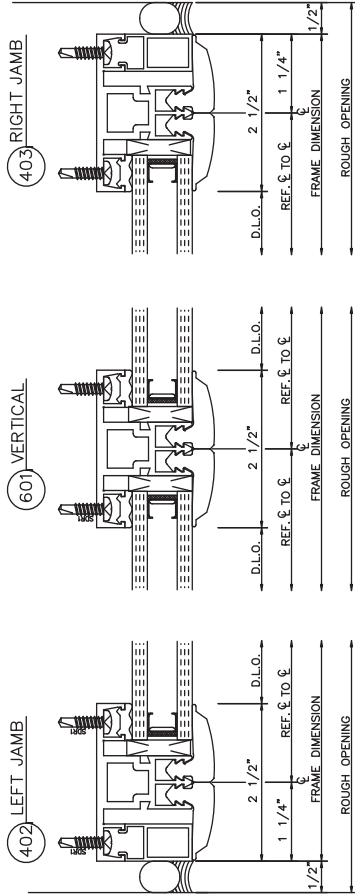


Illustration 1



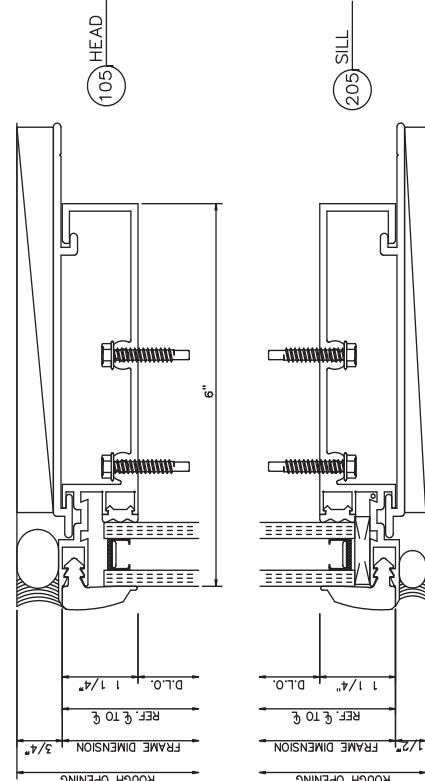
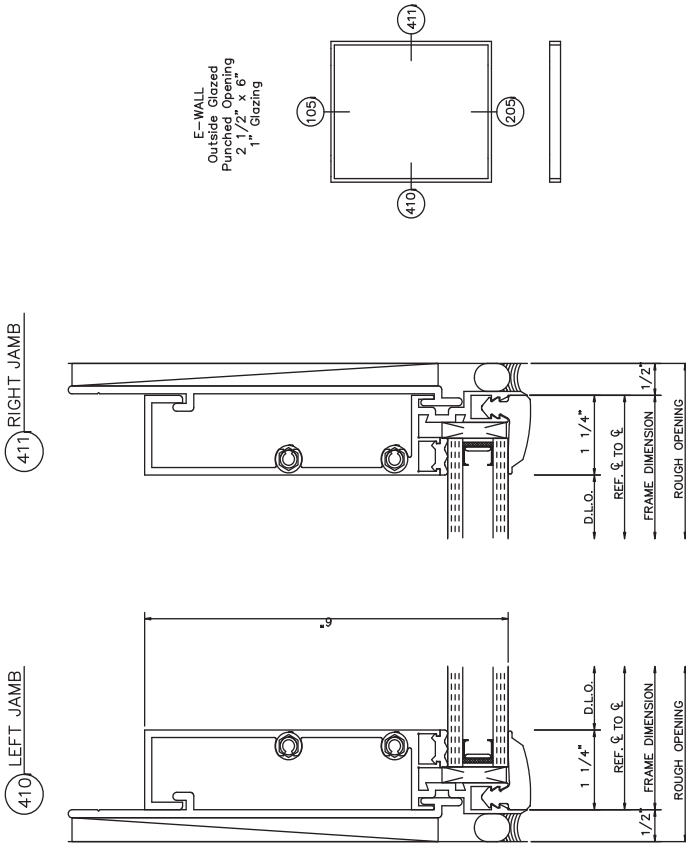
E-WALL™ Outside Glazed

2 1/2" Applied



E-WALL™ Punched Opening Outside Glazed

2 1/2" x 6"



E-WALL
Outside Glazed
Punched Opening
2 1/2" x 6"
1" Glazing