

## Series 406

### 2" x 6 1/2" Thermal Storefront Framing



#### CONFIGURATIONS

##### Screw Spline • Shear Block

Series 406 extends beyond the standard level of conventional storefronts. An inside and/or outside glazed configuration is available as well as a glazing infill from 3/16" to 1-1/16". Series 406 has a 6 1/2" system depth providing improved structural capability. Series 406 is compatible with all EFCO entrances.

#### Features

Thermally improved frames

Screw spline frame and door side lite frame assembly

Shear Block assembly at door frames

Uniform glazing gasket is used for exterior and interior

2" x 6 1/2" frame size

Accommodates up to 1 1/16" glazing

Anodized or painted finishes available

#### Benefits

Enhanced thermal performance

Makes installation easier, reducing labor cost

Can be shop prepped

Can be shop fabricated

Compatible with all 1 3/4" and 2" EFCO doors

Will accommodate all standard closers and hinging

Allows optimized use of gasket

Simplifies ordering and installation

Allows taller storefront elevations due to greater "I" value

Will allow standard 2" x 4 1/2" storefront to be integrated into the elevation because glass planes match

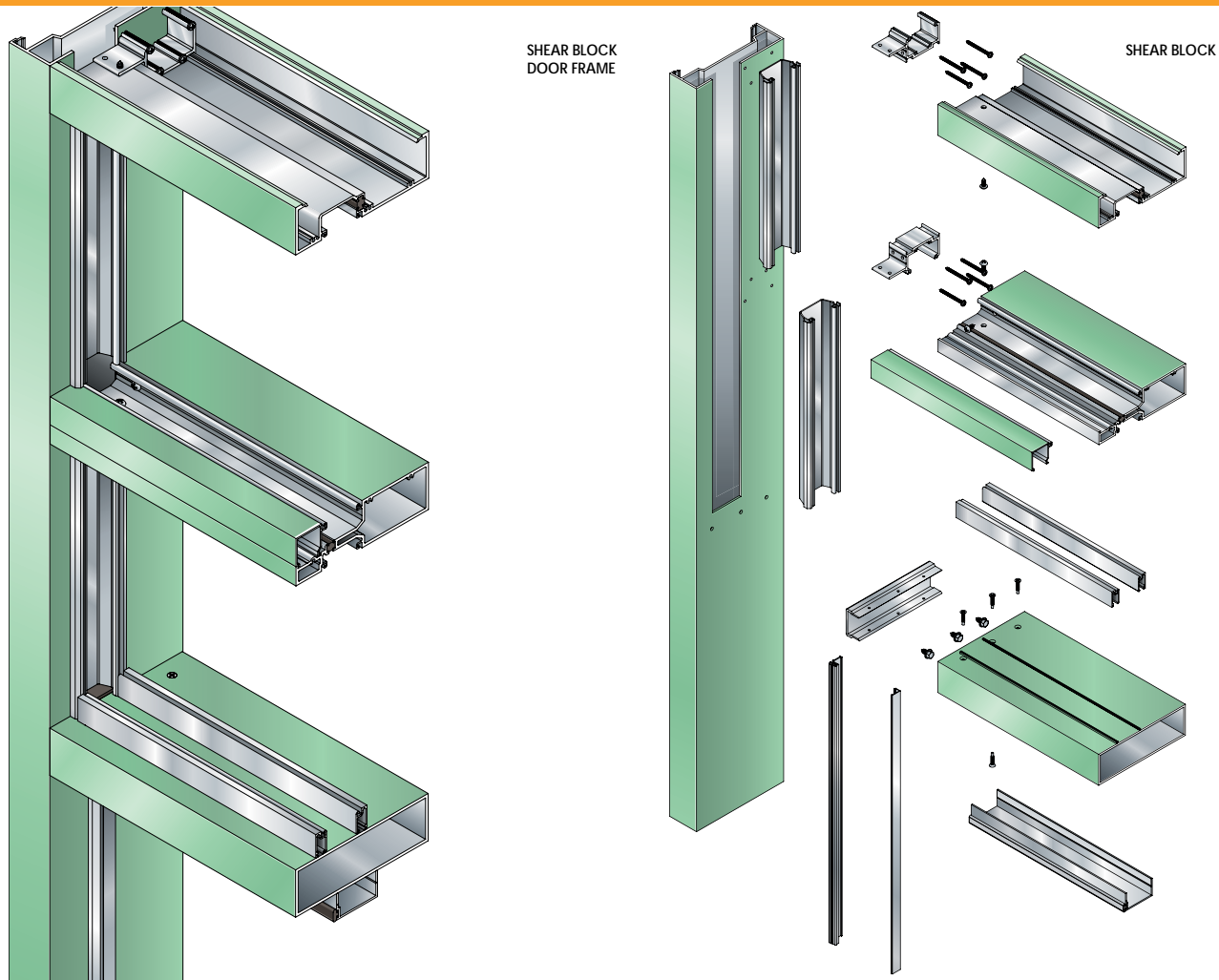
Expands design and energy savings options

Multiple options to answer economic and aesthetic concerns



# Series 406

## 2" x 6 1/2" Thermal Storefront Framing



### PERFORMANCE DATA

#### SYSTEM 406 STOREFRONT SCREW SPLINE FRAMING

AIR INFILTRATION.....	<.06 CFM/SF @ 6.24 PSF
WATER.....	NO LEAKAGE @ 10.0 PSF
STRUCTURAL.....	visit MyEFCO at <a href="http://www.efccorp.com">www.efccorp.com</a>
CRF-FRAME (1503-98).....	68 <sup>F</sup>
CRF-GLASS (1503-98).....	71 <sup>F</sup>

#### SYSTEM 406 STOREFRONT SHEAR BLOCK FRAMING

AIR INFILTRATION.....	<.06 CFM/SF @ 6.24 PSF
WATER.....	NO LEAKAGE @ 10.0 PSFA
STRUCTURAL.....	visit MyEFCO at <a href="http://www.efccorp.com">www.efccorp.com</a>
CRF-FRAME (1503-98).....	68 <sup>A, F</sup>
CRF-GLASS (1503-98).....	71 <sup>A, F</sup>

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)

406 THERMAL U-FACTORS*		
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE	
	FIXED** 78 3/4" X 78 3/4"	FIXED 120" X 120"
0.46	0.60	0.54
0.34	0.51	0.44
0.30	0.47	0.41
0.24	0.43	0.36
0.20	0.39	0.32

\* Based on NFRC 100  
 \*\*NFRC Gateway size

#### GLAZING

SYSTEM 406 CAN BE INSIDE OR OUTSIDE GLAZED WITH EXTRUDED ALUMINUM, SNAP-IN GLAZING BEAD. GLASS IS "DRY GLAZED" WITH TOP LOAD GASKET. GLAZING OF 3/16" TO 1-1/16" INFILL PANELS ARE ACCOMMODATED. SEE GLAZING CHART BELOW FOR EXACT SIZE.

SYSTEM 406 GLAZING CHART	POLYCARBONATE			GLASS OR PANEL												
	3/16"	1/4"	5/16"	3/16"	1/4"	1/4"	5/16"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	15/16"	1"	1-1/16"
MONOLITHIC GLASS	C	C	C	C	C	C	C									
INSULATED GLASS												C		C	A	C

\*-Obscure glass thickness  
 \*\*-Laminated glass thickness

A-Available glazing option  
 C -Adaptor and/or gasket required  
 Blank - N/A



# Series 406

## 2" x 6 1/2" Thermal Storefront Framing

### Frame Construction

The frames have a depth of 6 1/2", and the nominal material wall thickness is .080". Members are extruded 6063-T6 aluminum alloy. Corner construction employs screw spline or shear block method. See Illustration 1 & 2.

### Door Frames

Series 406 offers integral entrance frames as a part of the framing system. Members are nominally .080" in thickness.

### Weather Stripping

All screw applied door stops are weather-stripped with bulb gasket.

### Thermal Barrier

All frames and vents are thermally broken using the latest technology in two part, high density polyurethane.

### Glazing

Series 406 can be inside or outside glazed with extruded aluminum, snap-in glazing bead. Glass is "dry glazed" with top load gasket. Glazing of 3/16" to 1 1/16" infill panels are accommodated. See Glazing Chart for exact size.

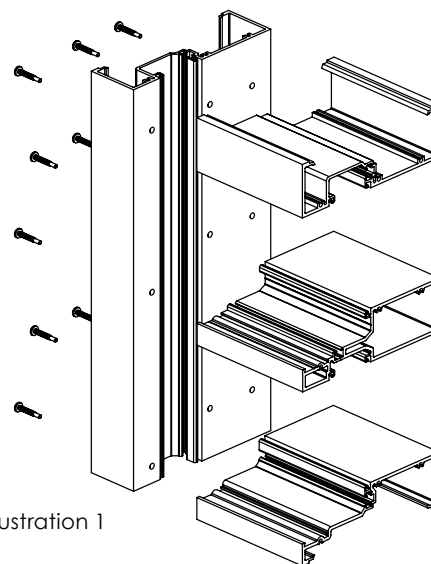


Illustration 1

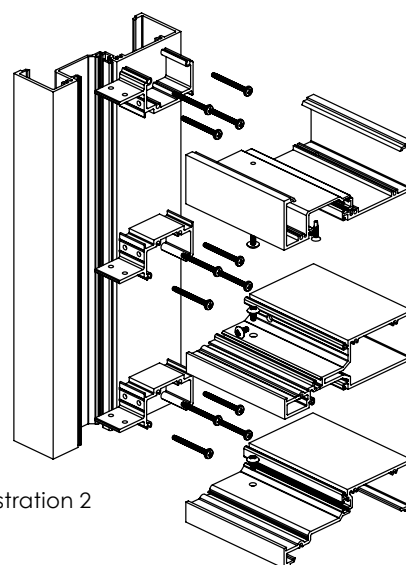


Illustration 2

