



**Series 675 Double Hung • Series 676 Double Hung • Series 676HP Double Hung • Series 6750 Fixed
4 1/2" Heavy Commercial Hung Thermal Window**

Configurations Beveled Glazing Double Hung • Standard Glazing Double Hung • Fixed

This product family of hung windows retains an AAMA Heavy Commercial and Architectural Grade rating to meet the most demanding specifications. It is a proven performer in applications ranging from historical replication to new construction. An added beveled glazing feature and multiple glazing options provide flexibility to meet specific design requirements. A thermal barrier in the frame and sash improves thermal performance enhancing your energy saving potential. Offered with a complete line of sub frames, mullions and architectural sills, this product family provides the complete solution for your fenestration needs.

Manufacturer

Of

Architectural

And

Commercial

Grade

Windows,

Curtain Walls,

Entrances,

And

Storefronts

Features

Benefits

Series 675 only - beveled glazing leg	Provides the appearance of a putty-glazed window with the maintenance ease of a dry glazed unit
Series 676 H-AW100 rating	Appropriate for projects with high structural requirements
Thermal barrier in vent and frame	Improves U-Value performance Enhances energy saving potential
Dual weather-stripped sash and sill	Provides superior air and water performance
Continuous interlock meeting rails	Improves air infiltration resistance
Accommodates glazing units from 1/8" to 1" depth	Expands design and energy saving options
Automatic top and bottom sash locks available	Increased convenience
Dual glazing with optional integral blinds	Improved energy savings and interior light or privacy control with low maintenance
Trim-All™ panning available	Allows matching of existing sight lines in restoration projects
Screen frames are extruded aluminum alloy are available	Stronger more durable screens
Accessory line of subframes, mullions, and architectural sills	Allows custom designs with standard product
Anodized or painted finishes available	Unlimited options to answer economic and aesthetic concerns

Frame Construction

The frames have a depth of 4 1/2" and are constructed of 6063-T6 aluminum alloy. The nominal material wall thickness for the frame is .090", and the sill has a minimum wall thickness of .125". Corners are of screw spline construction and sealed. See Illustration 1.

Sash Frame Construction

The sash consists of aluminum members with .080" nominal material wall thickness of 6063-T6 alloy. Corners for both series are of screw spline construction and sealed. Dual weather-stripped continuous interlock at the sash meeting rails offers superior weathering and structural performance. The S-675 sash is designed to replicate a "putty-glazed" sash with a beveled glazing rabbet. See Illustration 2.

Weather Stripping

All sash are weather-stripped with FIN-SEAL® or equal. Two holes or slots per sash through the window frame facilitate weepage.

Screens

Screen frames are extruded 6063-T6 aluminum alloy. Screens are easily removed by retracting the plunger located on the interior face of the screen frame near the sill at each jamb. Full screens are available. 18 x 16 mesh screens are available in fiberglass and .011" diameter aluminum. 18 x 18 mesh screens are available in .009" diameter stainless steel.

Thermal Barrier

All frames and sash are thermally improved using the latest technology in two part, high density polyurethane. See Illustration 3.

Hardware

Sweep locks, access controlled sweep locks, pole ring sweep locks, and keepers are of cast white bronze with a US25D finish. Optional automatic head and sill locks are fabricated of aluminum alloy and finished to match the window. Two types of balance systems are available. A spring loaded block and tackle balance rated Class 1 with a .70 MAF* ratio is standard. A high performance torsion spring and extension spring balance rated Class 5 with a .30 MAF* ratio is optional. EFCO reserves the right to substitute a higher performance balance as project conditions dictate, i.e., large, heavy sash requiring minimum operating force. See the Hardware Chart for available hardware types.

Glazing

Windows are inside glazed with an extruded aluminum snap-in glazing bead. Glazing of 1/8" to 1" can be accommodated. Dual glazing is also available in 3/16" and 1/4" glass. Between the glass 5/8" aluminum blinds are available with Series 676 dual glazed windows. Series 6750 fixed frame windows accommodate glass or panels from 3/16" to 3" thick. See the Glazing Chart for the exact size.

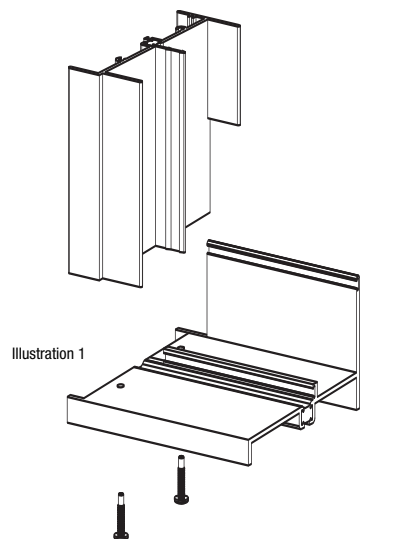


Illustration 1

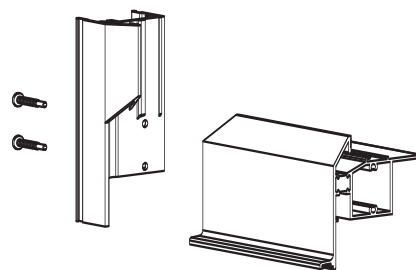


Illustration 2

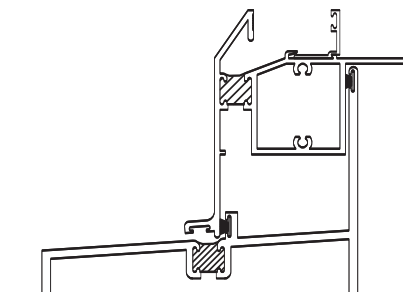
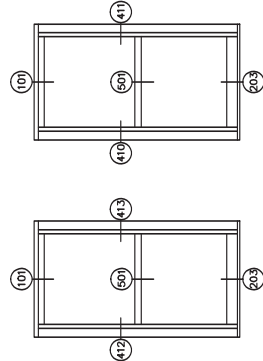
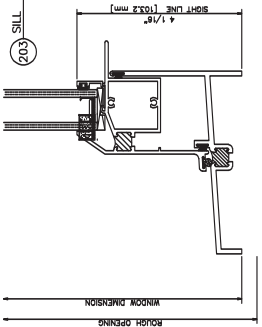
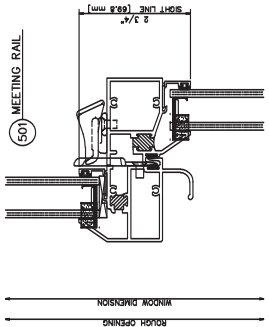
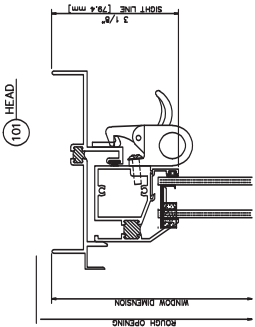
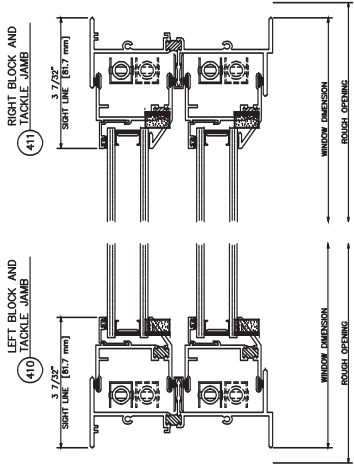
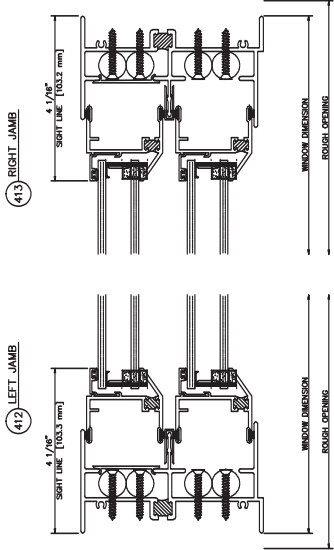
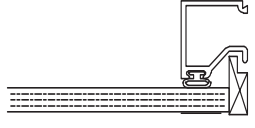


Illustration 3

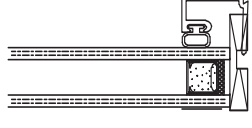
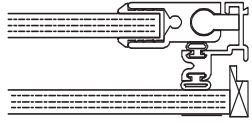


1/8" MONOLITHIC



ER65 - 1/4" INTERIOR PANEL

5/8" INSULATED 1/8" - 1/8"

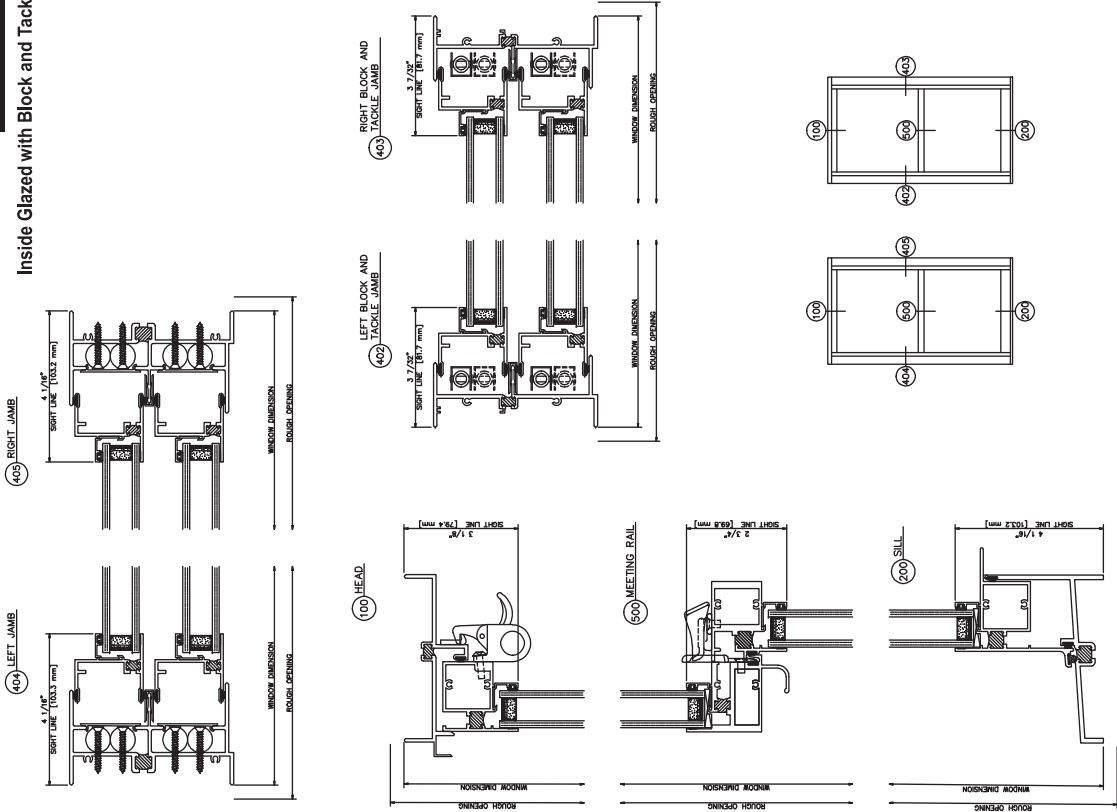


675 Double Hung

Inside Glazing with Block and Tackle Balances

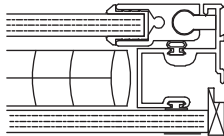
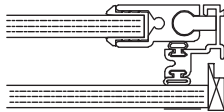
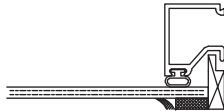
676 Double Hung

Inside Glazed with Block and Tackle Balances

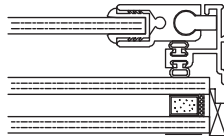


676 Glazing

1/8" MONOLITHIC
ER65 - 1/4" INTERIOR PANEL
1/4" MONOLITHIC



ER65 - 3/16" INTERIOR PANEL
5/8" INSULATED 3/16" - 3/16"



ER65 - 1/4" INTERIOR PANEL
1/4" MONOLITHIC WITH GRID

