



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

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Series 672 Double Hung • Series 6620 Fixed 3 7/8" Architectural Grade Double Hung Thermal Window

Configurations Double Hung • Fixed

The Series 672 double hung window retains an AAMA Architectural Grade rating and is a proven performer in projects ranging from historical replication to new construction. The upper sash meeting rail is thermally improved using a two-part high density polyurethane. All remaining members are thermally enhanced with E-Strut™ thermal isolators. Offered with a complete line of sub frames, mullions and architectural sills, this product family provides the complete solution for fenestration needs.

Features

E-Strut™ thermal isolator

Continuous interlock meeting rails

Dual glazing

Weather-stripped sash and sill

Automatic top and bottom sash locks available

Trim-All™ panning available

Screen frames of extruded aluminum alloy are available

Accessory line of subframes, mullions, and architectural sills

Anodized or painted finishes available

Benefits

Improves U-Value performance
Dual finish capability
Completely eliminates dry shrinkage

Improves air infiltration resistance

Improved energy savings

Provides superior air and water performance

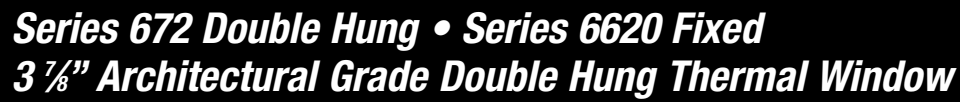
Increased convenience

Allows matching of existing sight lines in restoration projects

Stronger more durable screens

Allows custom designs with standard product

Unlimited options to answer economic and aesthetic concerns



Performance Data

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Series 672 Double Hung • Series 6620 Fixed 3 7/8" Architectural Grade Double Hung Thermal Window



Frame Construction

The frames have a depth of 3 7/8" and are constructed of 6063-T6 aluminum alloy. The nominal material wall thickness for the frame is .080", and the sill has a minimum wall thickness of .094". 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 are of screw spline construction and sealed. Dual weather-stripped continuous interlock at the sash meeting rail(s) offers superior weathering and structural performance. See Illustration 2.

Thermal Barrier

The upper sash meeting rail is thermally improved using two-part, high density polyurethane. All remaining members are thermally isolated with two thermal struts consisting of glass reinforced polyamide nylon, mechanically crimped in raceways extruded in the exterior and interior extrusions. See Illustration 3.

Weather Stripping

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

Screens

Screen frames are extruded 6063-T6 aluminum alloy. Screens are easily removed by retracting two plungers located on the interior face of the screen frame near the sill at each jamb. Full or half 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.

Hardware

Sweep locks, access controlled sweep locks, pole ring sweep locks, and keepers are of cast white bronze with a US25D finish. The automatic head and the optional automatic sill locks are fabricated of aluminum alloy and finished to match the window. A high performance torsion spring and extension spring balance, rated Class 5 with a .30 MAF* ratio is standard. See the Hardware Chart for available hardware types.

Glazing

Sash is inside glazed with an extruded aluminum snap-in glazing bead. Glazing of 1/4" to 1 1/8" can be accommodated. Dual glazing is also available in 3/16" and 1/4" glass. Series 6620 fixed frame windows accommodate glass or panels from 1/8" to 3 1/2" thick. See the Glazing Chart for the exact size.

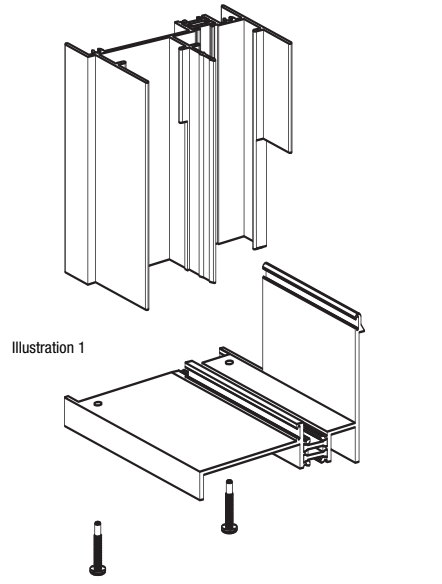


Illustration 1

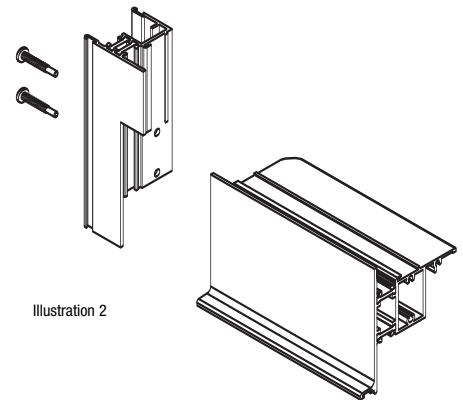


Illustration 2

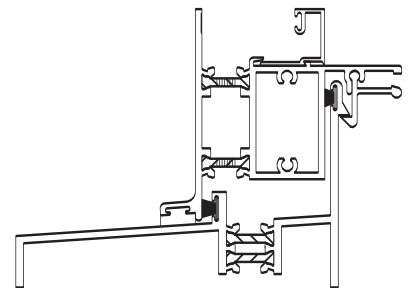
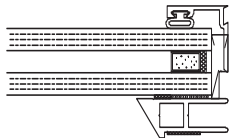
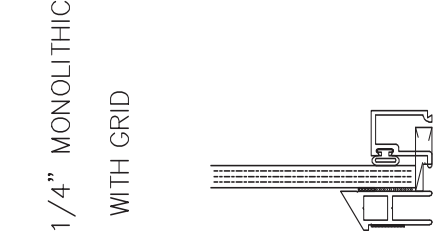
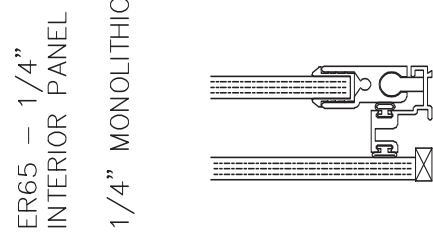
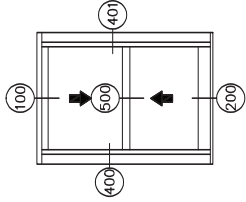
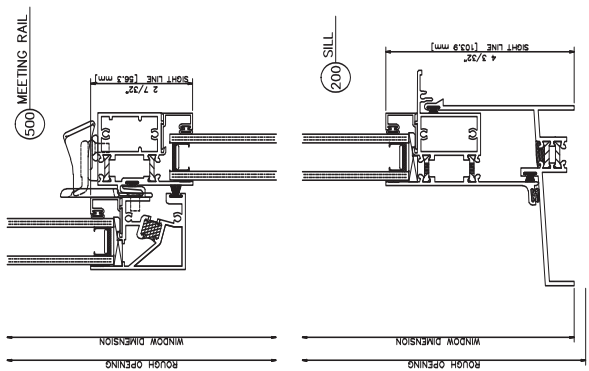
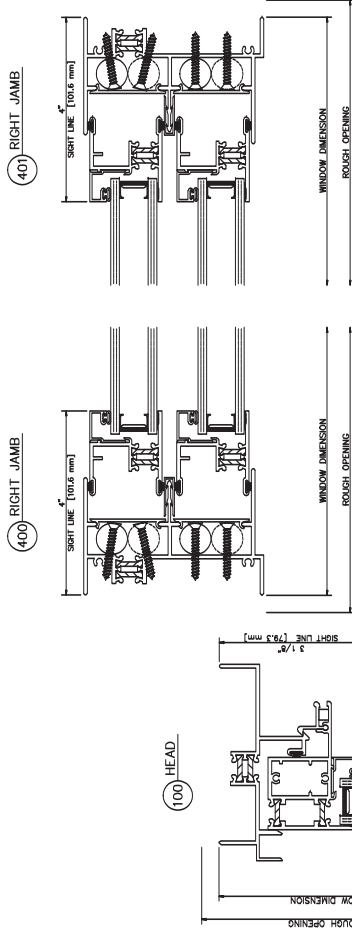


Illustration 3



672 Inside Glazed

Double Hung

672 Glazing