



1450H Series

4" Heavy Commercial
Thermally Improved Window

1450H Series Features

PERFORMANCE

The 1450H Series fixed, projected, and casement windows exceed the performance specifications set forth in ANSI/AAMA/NWDA 101/I.S.2-97 for Architectural Windows – AW and Heavy Commercial –HC.

MAIN FRAME CONSTRUCTION

The frame material is constructed from .125" nominal wall thickness of 6063-T6 aluminum alloy and temper with a depth of 4". It features a standard equal leg frame. All exterior aluminum is separated from interior aluminum by ridged, structural, pour-in-place thermal barrier. All joinery of frame members is closely fit and mechanically fastened with screws. Heliarc welded frame corners are optional. All frame joinery is sealed with small joint sealant.

VENT FRAME CONSTRUCTION

All operating ventilators consist of a tubular member with .125" nominal wall thickness of 6063-T6 aluminum alloy and temper with a depth of 2". All exterior aluminum is separated from interior aluminum by ridged, structural, pour-in-place thermal barrier. Vent corners are mitered and assembled by means of mechanical fastening with screws. All vent joinery is sealed with small joint sealant. Operating ventilators have a double Santoprene®, non-shrinking dual durometer, thermo plastic rubber weather-stripping around perimeter. **Optional:** Heliarc welding of sash corners and/or double corner keys and hydraulically swaged.

GLAZING

Windows are interior or exterior glazed with extruded aluminum, snap-in glazing bead. All extruded glazing bead has a minimum depth of 3/4". Glazing of 1/4" to 1-1/2" can be utilized, with maximum glass thickness up to 1" and maximum panel thickness up to 1-1/2".

SCREEN

Screen frames to be fabricated from extruded 6063-T6 aluminum alloy and temper. Aluminum screen wire produced from 5154 alloy in .011 diameter with mesh 18 x 16 is standard. Charcoal Alodized and Brite Kote Aluminum are standard colors. Mesh is installed so the cloth can be easily replaced with a roll-in spline. Suitable hardware is furnished to mount on the window unit. **Optional:** Fiberglass or stainless steel with .009 diameter wire or Winco 1000 Series hinged security screen with perforated steel sheet.

HARDWARE

All exposed locking hardware, strikes and keepers are solid white bronze alloy with US25D brushed finish. All four bar arms, four bar casement arms, friction adjustable H.O.A., and key release limit arms consist of stainless steel conforming to AAMA 904.1. **Optional:** Zinc die-cast with painted finish and or zinc plated steel arms. **Projected Windows** are furnished with cam locks and four bar arms. **Optional:** Pole ring cam lock, pole ring snap lock, key lock, under screen push bar, pivot shoe roto-operator, casement lock, pull handle. **Casement Windows** (*out-swing*) are furnished with roto-operator, two point lock and 3-knuckle butt hinge with aluminum pin. **Optional:** Four bar casement hinge, casement lock, cam lock, key lock, pull handle, 3-knuckle butt hinge with stainless steel pin, 5-knuckle butt hinge with stainless steel pin, extension hinge, emergency exit sign. (*in-swing*) are furnished with four bar casement arms two point lock and pull handle. **Drop Head In Swing Windows** are furnished with key locks hold open arms, and four bar arms. **Optional:** Cam lock, pole ring cam lock, casement lock, pull handle.

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