



# 1585H Series

## 4-1/2" Heavy Commercial Thermally Improved Window

### 1585H Series Features

#### **PERFORMANCE**

The 1585H 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 4-1/2". 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 swedged.

#### **DUAL GLAZED HINGER ACCESS SASH (WITH or WITHOUT BLINDS)**

All operating access sash consist of a tubular member with .125" nominal wall thickness of 6063-T6 aluminum alloy and temper with a depth of 1-1/4". Sash corners are mitered and assembled by means of mechanical fastening with screws. Hinged sash is supported by stainless steel four bar arms and held in place by white bronze key locks with US25D brushed finish. Operating sash has a double Santoprene®, non-shrinking dual durometer, thermo plastic rubber weather-stripping around perimeter.

#### **BLINDS**

Head rail is 0.625" wide x .650" high x .050" thick with bottom rail being 0.625" wide x .355" high x .050" thick of 6063-T5 extruded aluminum alloy and temper with a baked on polyester powder coat finish conforming to AAMA Specifications #603.8-1985. Ladder cord locations do not exceed 6" from the end of the slot or 24" apart. Tilt control knob is designed with a slip feature to minimize damage due to over-tilting of the blind. Removable key operated knobs and angled tilt control knobs are optional.

#### **GLAZING**

Windows are structurally glazed with 5/8" insulated glass. Inboard sash is glazed with extruded snap-in glazing bead. All extruded glazing bead has a minimum depth of 9/16". Glazing of 1/8" to 1/4" can be utilized on the interior sash.

#### **SCREEN**

Screen frames are 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 Anodized 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's 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 casement locks and four bar arms. **Optional:** Key lock, under screen push bar, pivot shoe roto-operator, pull handle. **Casement Windows** (*out-swing*) are furnished with Two point lock and casement four bar arms. **Optional:** Roto operators, casement lock, key lock, pull handle, 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:** Casement lock, pull handle.

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