



4415 Series

4" Heavy Commercial

Thermally Improved Single Hung Window w/Blinds

4415 Series Features

PERFORMANCE

The 4415 Series single hung and fixed windows exceed 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 .063" nominal wall thickness of 6063-T6 aluminum alloy and temper with a depth of 4". The sill has .090 nominal wall thickness and is extruded from the same aluminum billet. It features a standard equal leg frame. All joinery of frame members shall be 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 shall be no less than .080 nominal wall thickness of 6063-T6 aluminum alloy and temper with a depth of 1-11/16". Vent corners are machined and assembled by means of mechanical fastening with screws. All vent joinery is sealed with small joint sealant. Vents have one row of heavy fin seal wool pile weather-stripping and one row of rigid vinyl.

DUAL GLAZED LIFT OUT ACCESS SASH (WITH or WITHOUT BLINDS)

All operating blind sash consist of a tubular member with .050" nominal wall thickness of 6063-T6 aluminum alloy and temper with a depth of 1". Vent corners are mitered, assembled by means of mechanical fastening with screw and corner key. Lift out sash will held in place by key locks. Removable access sash have one row of Santoprene®, non-shrinking dual durometer, thermo plastic rubber weather-stripping and one row of heavy fin seal wool pile weather-stripping around perimeter.

BLINDS

Head rail shall be 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 shall not exceed 6" from the end of the slot or 24" apart. Tilt control knob shall be designed with a slip feature to minimize damage due to over tilting of the blind. Removable key operated knobs and angled tilt control knobs optional.

GLAZING

Windows are interior glazed with outboard lite being structurally glazed Inboard access sash will be marine glazed using wrap around vinyl. Glazing of 1/8" to 1/4" can be utilized on the interior sash. *Winco strongly recommends that the windows be factory glazed for proper and safe operation.*

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 Anodized or Brite Kote Aluminum are standard colors. Mesh shall be installed so the cloth can be easily replaced with a roll-in spline. Suitable hardware shall be 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

Standard operating hardware consists of aluminum extruded spring loaded snap lock at the sill. **Optional:** Solid white bronze sweep lock with US25D brushed finish at sash interlock and or solid white bronze snap lock with US25D brushed finish. All operating sash balances are block and tackle type meeting the minimum Class 1 requirement and tested in accordance with AAMA 902. **Optional:** All operating sash balances are spiral type meeting the minimum class 5 requirement and tested in accordance with AAMA 902. *Winco Window Co. recommends that sash weighing 45 lbs. or more be furnished with class 5 balances.*