

VAPCO

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3 1/4" Double Hung Window - Series 700

I. SPECIFICATIONS:

General - Work Includes: Furnishing all necessary materials, labor and equipment framing systems as shown on the drawings and herein specified. Structural support of the framing system not included.

Quality Assurance - Drawings and specifications are based upon the VisionCraft 700 Series Windows as provided by Valley Aluminum Products. Wherever substitute products are to be considered, supporting technical literature, samples, drawings, and performance data must be submitted ten (10) days prior to bid in order to make a valid comparison of the products involved. Test reports certified by an independent test laboratory must be made available upon request.

Performance - VisionCraft 700 Series Single/Double Hung Window shall meet or exceed the "Voluntary Specifications for Aluminum Prime Windows" per ANSI/AAMA 302.9-1988 for DH-C45 aluminum windows, CRF of .56, U-Value of .52. Field conditions may affect results.

II. PRODUCTS:

Materials - All Aluminum extrusions shall be 6063-T5 alloy, free from defects impairing strength and durability. This thermal window shall be constructed from specially designed, heavy-gauge, extruded sections split with a structural thermal break in accordance with industry standards and drawings. Main frame and sash members shall have nominal wall thickness tolerances as defined in the American Architectural Manufacturer's Association Master Specification for Aluminum Windows.

Construction - Frames shall have a minimum 3 1/4" depth. Frame corners shall be specially fabricated and then mechanically joined with large diameter stainless steel screws at each corner to form a hairline joint offering maximum weathering and structural integrity. All sash members are designed to accommodate 7/8" insulated glass or panels. All horizontal sash members shall be tubular design and minimum 1 3/8" in depth with continuous pulls at the bottom of both sash. Meeting rails shall interlock when closed, and lower bottom rail shall interlock with frame sill.

Hardware - All fasteners, screws, rivets and other miscellaneous fastening devices shall be of aluminum, stainless steel or of other non-corrosive material compatible with aluminum in accordance with ASTM specifications A164-55 or A165-55. Hung window balances shall provide lifting force, shall operate freely in both directions to effectively reduce the force required to operate the sash and shall hold the sash stationary in any position along the full range of sash travel without the use of auxiliary frictional holding forces. Spiral or block tackle type balances are standard.

Thermal Barrier Material - Thermal barrier material shall consist of a two-part chemically curing high strength polymer resin (polyurethane). The polyurethane shall be self-adhering to the adjacent surfaces and the thermal barrier shall maintain structural integrity throughout the window.

Weatherstrip - All weatherstrip shall be either Schlegel fin seal pile or vinyl as required and shall be held in place in extruded grooves in the aluminum and crimped at ends to prevent shrinkage and insure maximum weathering integrity. All units are double weatherstripped throughout.

Operation - Double Hung: Push sash shall operate and tilt inward when in an unlocked position for ease of window cleaning. Single Hung: Top lite or lites fixed with both bottom sash tilting inward. The frame shall be 3 1/4" ub depth. All operating sash surface shall be completely separated from metal-to-metal contact through the use of woven pile, vinyl or nylon.

Air Filtration - The window unit shall have been tested by an independent testing lab to meet ANSI/AAMA 101-93 and shall have an air infiltration no greater than .37 cubic ft. per minute per ft. of sash crack perimeter (C F M / F T).

Glazing - Sash are designed to accommodate 7/8" sealed insulating glass using a "wrap around" or "marine" type glazing vinyl. Glass shall be furnished and installed by either factory glazed or glazed by glazing subcontractor (Arch. select) to meet FGMA 1986 "Glazing Recommendations"

Screens (Optional) - All screens shall have extruded aluminum frames. They shall be fitted with aluminum screen wire held securely in place with a vinyl spline. Screens shall be fitted with spring loaded plungers in both jambs. Half screens or full screens are available upon request. (Aluminum or Charcoal Finish Screening)

Finish - All exposed framing surfaces shall be free of scratches and other serious blemishes. Specify Clear Anodized Finish, Color Anodized Finish (Dark Bronze, Black, or Burgundy), or Fluoropolymer Paint Coating

III. INSTALLATION:

Qualifications - Only skilled mechanics with experience in this trade. Units shall be installed plumb, level, square and shall be secured in accordance with detailed shop drawings. A non-hardening sealant compatible with aluminum shall be provided by the installer and applied in sufficient quality to provide a weathertight seal between the window and surrounding construction.

