

VAPCO

VALLEY ALUMINUM PRODUCTS CORPORATION

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**SPECIFICATIONS FOR VISION CRAFT
SERIES 2500 FIXED & PROJECTING WINDOWS**

GENERAL: Projecting windows referred to shall be as supplied by Valley Aluminum Products Corporation, Hot Springs, Arkansas. Special care shall be taken by the General Contractor and the window manufacturer to assure complete coordination between the manufacturer and field operations.

SPECIAL CONDITIONS: It is the intent of this section to set a standard of quality. This is a commercial weight window. Residential quality will not be considered equal.

SHOP DRAWINGS: Submit shop drawings for Architect's approval prior to fabrication.

MATERIAL: All members shall be extruded 6063T5 aluminum alloy. Overall depth of the frame shall be a minimum of 2 1/4". Depth of ventilator section shall be minimum of 2 1/4". Thickness of sections shall be a minimum of .078 for perimeter frame. Sash frame shall be designed with a minimum wall thickness of .078. Sections shall be .125 thick as required for AAMA 101-85 testing and hardware attachment.

CONSTRUCTION: Series 2500 window units, when so specified shall be factory fabricated, assembled and completely glazed with panels of glass, spandrels, and panels of insulation as required.

Members shall be accurately fitted to produce watertight joints and mechanically attached by means of fully concealed screws.

Corners of perimeter frame section shall be square cut and notched and screwed together. The sash frame is miter cut and intragally crimped together with epoxy and a full 1/8" thick corner key. Ventilator sections shall be mitered and removable glazing stops shall be provided to allow for reglazing in the event of breakage.

Perimeter and ventilator sections shall incorporate a continuous innate thermal barrier to reduce heat gain/loss and prevent the damaging effects of condensation build-up at interior locations.

WEATHERSTRIPPING: Ventilator shall have two (2) point contact with weatherstripping which shall be extruded E.P.D.M. in accordance with ASTM C864 or ASTM C509 as required.

AIR INFILTRATION: When the window is subject to a static air pressure equal to the pressure exerted by the wind at a velocity of 50 miles per hour (6.24 pounds per square foot), the air

infiltration shall not exceed 1/2 cubic foot per minute per foot of crack length with ventilator in closed and locked position.

PERFORMANCE REQUIREMENTS: the windows shall meet the physical load test requirements of the Architectural Aluminum Manufacturers Association Specification 101-99-HC65.

HARDWARE: All ventilators shall be equipped with a pair of Magnum Hinges. This shall be a reversible four bar hinge containing an adjustable friction slide shoe of brass with nylon pad, a toggle throwlink and lock bracket, similar and equal in all respects to the hinge manufactured by Advantage Manufacturing Corporation. The length of the hinge shall be as recommended by the hinge manufacturer (maximum of 60% of the ventilator height).

Installation shall be in strict accordance with the manufacturer's instructions.

Suitable hardware shall be provided to securely lock ventilators. hardware shall consist of cam handles for hand operation. (Pole ring hardware for pole operation furnished only when specified.) Ventilators 40" and over shall have two (2) cam handles

FINISH: Vision Craft projecting windows shall be furnished anodized for corrosion resistance. Clear 204R1 (AA-M12-C22-A31) and Dura Lock Dark Bronze, Class II (AA-M12-C22-A34) are available as standard finishes. Custom finishes available upon inquiry.

GLAZING: Glass shall be installed in vinyl glazing channels with removable stops and shall form a neat flush appearance.

SCREENS: All windows shall be prepared to receive screens. All screens shall be designed for use with project in or project out windows. Screen frames shall be extruded sections and finish shall match the finish of the window units or as directed by the Architect. Screen cloth shall be standard 18 x 16 mesh. Suitable screen attachment hardware shall be furnished. Project out vents shall have screens for mounting on the inside with a hinged wicket to permit easy access to the locking handle. Project in vents shall have a flat fixed screen for mounting on the outside. Hardware shall permit installation and removal from the inside.

ERECTION: The Vision Craft projecting windows shall be installed by an experienced installer approved by the window manufacturer. Furthermore, projecting windows shall be set in properly prepared level and plumb opening in accordance with the manufacturer's instructions and approved shop drawings. The installer shall furnish labor, materials and other services to complete the installation of the windows.

PROTECTION: The General Contractor is to be responsible for protection, prevention of contamination by other trades and maintenance of the windows during construction. At the conclusion of construction, the window unit shall be cleaned to the satisfaction of the architect.

ORDERING INFORMATION

1. Specify actual vent dimension, width x height
2. Type of installation: Masonry opening or frame by others
3. Type of Vent: Project-In, Project-Out, Casement, Etc.
4. Finish required on aluminum sections
5. Type of glass to be used
6. Screen requirements