

SPECIFICATIONS

“MAOL”

MONUMENTAL ALLIED ONE LITE (D48/49)

APPLICATION: EXTERIOR INSTALLATION: INSERTS REMOVE DIRECTLY TO EXTERIOR

PART 1 – GENERAL

1.1 SCOPE. All aluminum windows of the types and sizes shown in the plans and/or as called for in this specification shall be furnished with all necessary hardware, fasteners and miscellaneous equipment as herein specified and shall be manufactured by Allied Window, Inc. Quality standards shall be as described within these specifications.

PART 2 – MATERIALS

2.1 ALLOYS. Aluminum shall be of commercial quality and of proper alloy for window construction free from defects impairing strength and durability. All straight extruded sections shall be of 6063-T5 alloy and temper and shall have a minimum ultimate tensile strength of 22,000 P.S.I. and a yield of 16,000 P.S.I.

2.2 WINDOW MEMBERS. All master frame members shall be of extruded aluminum with a 3/8” x 1” dimension and with nominal wall thickness of not less than .062. All extrusions shall be of sufficient strength to perform as designed. All corner keys shall be of extruded aluminum. Insert frames shall be of extruded aluminum with a 3/8” x 1-1/4” dimension. All marine-glazed insert corners are secured with special screws into screw-spline ports.

2.3 FASTENERS. All screws and other fastening devices incorporated shall be stainless steel, zinc plated, cadmium plated or other non-corrosive metals compatible with aluminum.

2.4 HARDWARE. All insert clips shall be nylon, or zinc die cast.

2.5 “INVISIBLE” CLIPS. Optional insert clips shall be a 3-part zinc die cast assembly which shall be flush with the face of the insert frame. Latching clips shall be activated by use of a Phillips-head screwdriver, with a 90 degree turn being sufficient to engage or disengage the cam clip.

PART 3 – CONSTRUCTION

3.1 ASSEMBLY. All windows shall be assembled in a secure and workmanlike manner. The frame shall be of mitered head and sill. Frame rails and stiles shall be neatly joined together using extruded aluminum corner keys, or special screws for marine-glazing.

3.2 STACK MULLION. Mullion shall be “H” type with minimum wall thickness of .062 and .125 web thickness.

3.3 PANELS. Insert(s) shall be freely removable and equipped with a bottom rail lift handle.

PART 4 – FINISH

The exposed surfaces of all aluminum members shall be clean and free from serious surface blemishes. Standard finishes shall be mill finish or electrostatically applied baked acrylic enamel in white, colonial white, beige, black or bronze. Painted finish shall meet AAMA 603.6. Optional custom color finish to be two-part polyurethane paint (air dried). Clear anodized, bronze anodized and Kynar finishes are available under appropriate circumstances.

PART 5 – SCREEN(S) (Optional)

Extruded screen insert frame(s) (3/8" x 1 1/16") with extruded aluminum corner keys shall be provided. Standard screen cloth is charcoal aluminum 18 x 16 mesh securely held in frame with vinyl spline (fiberglass, black aluminum, bright aluminum, stainless steel, or bronze screen wire optional).

PART 6 – GLASS AND GLAZING

6.1 GLASS. Standard factory glazing shall be 3/16" or 1/4" clear glass. Typical optional material choices are low-e glass, laminated glass, tempered glass, and polycarbonates or acrylics. Options such as tinted glass, 1/4" solid panels, bent glass, and standard or security film are available. Tempered glass shall be dictated by size of panels, code requirements, or project specifications.

6.2 GLAZING METHOD. Glass shall be retained in place with wrap around extruded glazing vinyl. Vinyl shall be manufactured from virgin polyvinyl chloride.

PART 7 – INSTALLATION

The installer shall securely fasten windows in place to a straight, plumb and level condition, without distortion of the windows and shall make final adjustments for proper operation in accordance with the manufacturer's instructions.

PART 8 – WARRANTY

Manufacturer shall provide a five (5) year warranty against faulty materials, paint and workmanship.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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MAOL 5/7/13