

**TECHNICAL SPECIFICATIONS**  
**NUCON® AWNING VINYL NEW CONSTRUCTION WINDOW**

**GENERAL:**

Windows shall be Nucon® Awning Vinyl New Construction window as manufactured by Lockheed Window Corp., Route 100, Pascoag, Rhode Island. Window shall meet or exceed AAMA/NWWDA 101/I.S. 2-97 and 101/I.S. 2/A440, AP-LC-40, as required.

**MATERIAL:**

Master frame and vent members shall be of impact modified, UV stabilized, heavy wall, multi-chambered, tubular Poly Vinyl Chloride (PVC) extrusions. All fasteners shall be hardened stainless steel in accordance with American Architectural Manufacturers Association (AAMA) specifications. Ancillary components shall be of materials consistent with application and compatible with PVC.

**MASTER FRAME:**

Master frame have .080" walls and shall be constructed of multi-chambered, vinyl, tubular extrusions, fusion welded at each corner. Corner welds shall be cleaned so as to leave the exposed surfaces free of burrs and blemishes. The master frame shall contain a continuous integral 1-3/4" wide nailing flange around the master frame perimeter. This flange shall contain pre-punched "slotted" installation holes at 6" intervals. Optional integral "J" channel is also available. The master frame shall have one (1), continuous sealing perimeter row of foam filled bulbous weather-stripping. This weather-stripping shall exert a positive seal against the vent frame when the vent frame is in a closed and locked position.

**VENT(S):**

Vent(s) shall be constructed of multi-chambered, vinyl, tubular extrusions, fusion welded at each corner. Corner welds shall be cleaned so as to leave the exposed surfaces free of burrs and blemishes. Each vent shall have one (1), continuous sealing perimeter row of foam filled bulbous weather-stripping when combined with the master frame seal perimeter. This weather-stripping shall constitute a total of two (2), positive seals between the master frame and vent assembly when the vent assembly is in a closed locked position. One vent pivot roller is located at the bottom horizontal of each operable vent to decrease rotary operator force when the operating vent engages the master frame.

**HARDWARE:**

Each vent shall be equipped with a heavy-duty hinge and slide bar mechanism made of hardened steel and self-lubricating nylon. Each hinge shall be attached to its corresponding side vent verticals, and each slide bar to its corresponding master frame verticals. These hinges and slide bars shall allow for correct operation of the awning vent(s). Each set of hinges shall be rated to carry a maximum vent static weight of 120 pounds. (Consult installation instruction sheet for a more detailed description of installation instructions.)

Each operating awning vent is furnished with one (1) color matched operator which is factory mounted through a cut out in the main frame sill. This operator shall provide for continuous control of each operating vent. The operator, or two linked design provides smooth operation of each vent. A detachable clip linkage shall allow the operator to be disengaged from the bottom vent hinge assembly when required.

The operator mechanism shall be made of a high-pressure zinc die cast housing, crank handle, and knob. Operator case, crank handle, and knob shall be color matched to window finish. Gears and operating arms are of hardened steel with E-GARD (moisture resistant coating) finish. All operators are spring loaded and have fold down handles.

One (1), locking handle is located and attached through a corresponding cut out(s) in the master frame jamb(s) and/or structural mullions (depending on number of operating vent(s)). The locking handle(s) shall be located at approximately the midpoint of the bottom and top of each lock jamb. The locking handle(s) shall be color matched to the window finish.

One (1) "snubber(s)" shall be mounted at the mid point of each main frame head for which there is a corresponding operating vent. The "snubber(s)" is designed to prevent the out ward bowing and negative air pressure of a awning vent(s), when they are in a closed and locked position. The "snubber(s)" shall be color matched to the window finish with the exception of the PVC insert, which shall be white.

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**FINISH:**

All Poly Vinyl Chloride (PVC) profiles shall be white, or almond color throughout.

**GLAZING:**

Vent(s) shall be interior glazed using sealed insulating glass with an adhesive glazing tape or equivalent bedding and a rigid vinyl glazing bead. Glass shall be set with neoprene glazing blocks to maintain uniformity around the glass perimeter.

Standard glazing shall be nominal 13/16" thick sealed insulating glass consisting of two pieces of SSB clear float glass (double glazed). Optional glazing shall be nominal 13/16" thick sealed insulating glass consisting of one piece of SSB clear float glass and one piece of SSB low "E" glass. Optional argon gas filled sealed insulating glass units are also available. All insulating glass units come standard with Technoform TGI® warm edge IG spacer.

**SCREENS:**

Fixed, removable insect screens shall be standard for each operating vent(s). Screens shall be of hollow aluminum extrusions color matched to window. Screen cloth shall be black fiberglass 18 X 16 mesh wire. Screens shall be fixed, removable and held in place by nylon color matched retaining clips, two (2) per master frame jamb and/or structural mullion. Screen extrusion corners shall be mitered and contain one (1) zinc die cast corner key per corner, and shall be mechanically staked to securely hold screen frame together.

**INSTALLATION:**

Windows shall be installed straight, plumb, level, square, and securely anchored, in accordance with manufacturer's recommendations and details. See instructions on each window.

**WARRANTY:**

See manufacturer's separate warranty.

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

**Form #642**