



General – Aluminum casement or awning windows shown on plans and specifications shall be HERITAGE® CASEMENT/AWNING series 900 as manufactured by Tashco Industries, Inc.

MATERIAL – HERITAGE® casement and awning units shall be constructed of specially designed, extruded sections of 6063T5 tempered aluminum alloy, in accordance with HERITAGE® engineering standard drawings.

PERIMETER FRAME – Consists of head, sill, and jambs. Special designed double hollow extrusion has a special groove system to hold hinges and sliding multi lock. All perimeter frame members have an integral weather stripping channel. They are mitered at the corners and accept 2 ea. keys per corner. Perimeter frame extrusion accepts the screen's stainless steel ball bearing roller catches in a concealed way.

SASH – Vent consists of a double hollow extrusion that has a special groove design to hold multi lock catches and operator's roller. All vent frame members have an integral weather stripping channel. They are mitered at the corners and accept 2 ea. keys per corner.

WEATHERSTRIPPING – Thick pile polypropylene weatherstripping used on perimeter frame and fin seal on vent. It is doubled.

HARDWARE AND CONSTRUCTION – Each corner of perimeter frame and vent is mitered 45 deg. by a computer run saw. Each corner accepts two separate L- keys that are 0.306" thick aluminum. Corners are crimped by a hydraulic machine and each corner has 4 ea. crimps. The hinges are low profile exposed aluminum and connected by a stainless steel rod. The advanced design allows hinges to be fastened without drilling frame and vent extrusions. The hinges are connected to a stainless steel clip by 2 ea. #10 stainless steel machine screws. Thus each hinge is held by 4 ea. stainless steel machine screws on 2 ea. 0.83" thick stainless steel clips. The multi point locks pins are on a sliding bar and engage the catches up to 4 points. The catches are attached to the same stainless clip in the groove. The design allows vent adjustment or change out, lock catch adjustment or change out by anybody without experience. The vent operator and lock are die cast and the operator arm is made from steel.

Both operator and lock are dry powder painted same color with window. The operator contains a collapsing handle to allow window treatment to clear the handle. The operator is secured in the slot by using stainless steel washer-clip from the backside.

GLAZING– All sash panels supplied with dry glazing; roll in water repelling EPDM between glass and metal and soft vinyl between other surface of the glass and aluminum stop. The glazing will be 3/4" to 1" thick overall sealed insulated glass units with an insulating air space varying from 7/16" to 5/8", depending on the glass thickness. Insulated glass shall be double sealed.

BUG SCREEN – Frames to be extruded aluminum, fitted with 18 x 16 fiberglass mesh. Special design frames shall have flat flanges all around. Rescreenable fiberglass cloth held by vinyl spline. Corners are crimped and heavy aluminum keys are used. Screens shall have 4 to 6 stainless steel ball bearing roller catches that are all concealed to hold them in the opening. Screens are not intended to act as a human barrier.

INSTALLATION – The perimeter frame can be supplied with nailing fins. All fin corners are closed with a proprietary cold welding method. Casement and awning window units to be installed in prepared openings in accordance with manufacturer's recommendations and installation drawings. Frames must be securely fastened, set plumb and level without twisting, bowing or distortion. After installation, if necessary, all units may be adjusted to insure efficient operation and weathering. The product design shall permit reglazing easily and be cost effective laborwise. Manufacturer assumes no liability for damage by the installer or final cleaning of the glass or aluminum.

FINISH – Aluminum sections are pre-treated with Amchem Alodine 4830-4831 paint base. Powder paint is applied electrostatically, then oven cured.

PERFORMANCE – HERITAGE® Series 900 casement and awning windows exceed AAMA specs. Complies with AAMA forced entry resistance testing. Since HERITAGE® products are constantly being improved, HERITAGE® reserves the right to change specifications and designs.

Title of AAMA Test	Measured	Allowed
Air Infiltration ASTM E 283-91	0.28 scfm/ft <sup>2</sup>	0.3 scfm/ft <sup>2</sup>
Water Resistance Test ASTM E 547-96 5 Gal/hr/ft <sup>2</sup> - 24 min.	Pass	No Leakage
Uniform Load-Structural Test- ASTM E 330-96 Test pressure: 45.0 psf	0.045 in. 0.067 in.	0.307 in. 0.307 in.
Forced Entry Resistance ASTM F588-97	Pass	No Entry
Vertical Deflection Test AAMA Method Concentrated Load: 60lbf	0.250 in.	0.721 in.
Hardware Load Test AAMA Method Total Load: 48lbf	Pass	No failures or deformation

**CASEMENT WINDOW SERIES 900 – TEST DATA (C-C35)**

The following are the results of a casement Heritage 900 series window, tested at a certified AAMA testing laboratory. The unit that has been tested meets or exceeds AAMA's specifications and no representations as to air infiltration and forced entry resistance is made except to the model tested, which was 36" wide by 78" high.

Summary of Test results

Window Tested: 36" Wide x 78" High

Overall design pressure: 35 psf

Air Leakage Rate: 0.28 scfm/ft<sup>2</sup>

Max. Water Pressure Achieved: 7.50 psf

Max. Structural Pressure Achieved: 52.5 psf

Forced Entry Resistance: Grade 10

Overall Rating: C-C35