

# METRO 140

## NAIL ON FRAME



### METRO 140 SERIES ALUMINUM AWNING, CASEMENT & SLIDING WINDOWS

#### SPECIFICATIONS

##### METRO 140 SERIES:

Thermally broken aluminum double glazed awning and casement windows using factory sealed insulating glass units with 15.8mm (5/8") airspace. (Note: Airspace may vary with changes in glass thickness and configuration).

##### MANUFACTURER: ARCHITECTURAL WINDOWS AND DOORS INC.

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##### GENERAL:

The aluminum windows covered by these specifications are AWD 140 series for Nail on frame application. These windows conform to the CAN/CSA-A440 specifications (Test results available on request).

##### ALUMINUM:

Window members shall be extruded of Aluminum Alloy in accordance with CAN/CSA-A440.

##### GLASS & GLAZING:

METRO 140 windows shall be double glazed using 15.8mm (5/8") airspace as a nominal standard with double seal ventilators. Windows will accommodate various combinations of glass thickness dependent on architectural and engineering requirements (subject to the constraint of overall sealed unit thickness of 22.2mm (7/8")).

All glass shall be float except pattern or obscure which shall be rolled glass (Option tempered and laminated). Glass thickness and quality shall conform to requirements of the Canadian Code for Residential Construction, current edition.

Glass in both fixed lites and ventilators shall be laid in place, glazed from the exterior, with glass bedded with glazing tape. Exterior finish to be a extruded aluminum bead.

All windows shall be shop glazed at AWD's plant, unless size constraints or site conditions require field glazing.

##### MAIN PERIMETER FRAME:

Main frame is a nail on type with a 31.75mm (1 1/4") nailing fin. Corners shall be mitred, mechanically joined, and sealed with small joint sealant. Mullions shall be of non-hollow or hollow construction (for strength and reinforcing as required), and mechanically joined to the perimeter frame.

Sill frame sections have a full condense channel draining to the exterior through a punched set of drain holes also draining glazing chamber below all sealed units.

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### CASEMENT AND AWNING WINDOW VENTILATOR:

Corners shall be mitred, mechanically joined and sealed. The ventilator shall be weatherstripped utilizing a 360 degree black finger seal of santoprene rubber, closing against the exterior face of the window. Ventilators will have one or two cam type handles locking positively against keepers mounted on frame or mullion members. Limit stops are optional for restricted opening applications.

### HARDWARE:

All screws shall be stainless steel with ventilators utilizing stainless steel hinges. Egress hinges will be of similar finish. Hinges are completely concealed when ventilator is in closed position.

### FINISH:

Standard colours are as per AWD colour chart; White or Rideau Brown. Optional architectural colours are available at additional cost. See AWD colour chart.

### THERMAL BREAK:

A high density polyurethane poured and debridged thermal break offering thermal resistance and excellent structural qualities.

### INSTALLATION:

Windows shall be installed in accordance with AWD's recommendations.

### OPTIONAL EXTRAS:

#### Colours:

Please see Architectural Colour Chart.

#### Screens:

Screens shall be wicket-type for casement and awning with baked enamel frames and black fibreglass screen cloth. Screens shall be held in place with clips.

#### Glazing:

Glazing variations – Tempered, Tinted & Reflective Glass, Argon Gas Filled Sealed Units, Performance Coatings, Laminated Glass, Spandrel Glass, Insulated Metal Panels, and combinations thereof.

#### Couplings:

A wide variety of couplings are available (all thermally broken) to suit many configurations. IE: 180°, 90°, 45°, 45° and 90° inside corner, window couplings. 180°, 90°, 45° and 45° & 90° inside door to window couplers are also available.

#### Extruded Flashings:

Head flashing is available.

#### Insert Vents for Institutional Applications:

- Open out top hung c/w bronze cast hardware.

\* Specifications and drawings subject to change without notice.