



AMSCO Windows
CSI Format Specification
Renaissance Composite Windows

SECTION 08630

PART 1- GENERAL

1.1 SUMMARY

- A. This section includes composite window units as shown on the drawings

1.2 PERFORMANCE STANDARDS

- A. AAMA/NWWDA 101/I.S.2 – 97
- B. ASTM E 283 (Air Leakage)
- C. ASTM E 330 (Structural Performance)
- D. ASTM E 547 (Water Resistance)

1.3 FIELD VERIFICATION

- A. The window supplier shall be responsible for reviewing and field verifying all measurements and conditions for all window openings in this project

1.4 SUBMITTALS

- A. Product data: Submit manufacturer's product specifications, technical support data, installation and maintenance recommendations and standard details for each type of unit required, including finishing methods, hardware and accessories.
- B. Product drawings: For each type of window specified, submit standard assembly and details for lap siding, brick veneer, and stucco.
- C. Color samples: Submit samples of each required exterior finish on PVC sample. Submit sample of co extruded color cap with required interior and exterior finish.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's instructions for protection of units from damage.
- B. Deliver in manufacturer's protective packaging



1.6 WARRANTY

- A. The manufacturer shall provide the Owner with a “Lifetime Limited Warranty” stating that all windows will be free from manufacturing defects for life; to include screens and glass

PART 2 – PRODUCTS

2.1 APPROVED MANUFACTURERS

- A. AMSCO Windows, Salt Lake City, UT

2.2 GENERAL

- A. Sliding operable sashes shall have an easily gripable external recessed handle device to assist in easy opening and closing of the window.
- B. Provide weep holes and channels to migrate moisture to exterior.
- C. Provide integral weather stop flange to perimeter of unit.

2.3 MATERIALS

- A. Mikronwood Composite Material
 - 1. Comply with requirement of AAMA/NWWDA 101/I.S.2-97, ASTM 4216 specification for rigid (Poly Vinyl Chloride) PVC and related plastic building product compounds.
 - 2. PVC compound containing impact-resistant- solid plasticizer titanium dioxide, surface and color stabilizers.
 - 3. All solid color applications are to be homogeneous.
- B. Glass: Provide the manufacturer’s standard 7/8” thick clear or Low E or Low E Tinted insulated glazing material that complies with ASTM E 774 Class A.
- C. Factory exterior glazed except where field glazing is required due to large window unit dimensions. Units shall be reglazeable without dismantling sash framing.
- D. Spacer Bar: PPG Intercept Warm Edge steel spacer or aluminum spacer
- E. Provide composite snap-on glazing stops (beads) to match exterior window finish.
- F. Exterior Reglazing System

2.4 HARDWARE

- A. Provide the manufacturer’s standard hardware. Hardware color shall match the interior color or be almond neutral for wood interior. All locking hardware must have certified forced entry resistance performance per: Windows- ASTM F588, AAMA 1302.5, or AAMA 2300. Doors tested to ASTM F 842, AAMA 1303.5 or AAMA 2301.



2.5 WEATHER PROTECTION

- A. Operating sash member shall be weather-stripped with either fin seal, or Q-lon weather-stripping.
- B. Compression Weather-stripping: Provide the manufacturer's standard non-ferrous spring metal or vinyl gasket compression weather-stripping, concealed when sash is closed, and as required to meet performance standards under bumper or wiper action.
- C. Sliding Weather-stripping: Provide woven pile weather-stripping of polypropylene, wool, or nylon pile, with resin-impregnated backing fabric complying with AAMA 701.2

2.6 ACCESSORIES AND OPTIONS

- A. Insect Screens: Provide insect screens for each operable exterior sash or ventilator. Locate screens on inside or outside of window sash or ventilator, depending on window type. Design windows and hardware to accommodate screens in a tight-fitting removable arrangement with a minimum of exposed fasteners and latches. Screen fabric shall be 18 x 16 or 18 x 14 mesh of plastic-coated glass fiber threads, woven and fused to form fabric mesh which is resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration; black or dark gray. Comply with FS L-S-125.
- B. Muntins: Provide optional Muntins from a choice of two different profiles (5/8" flat, 7/8" or 1 1/8" Simulated Divided Lights, or 1" Sculptured Grids), sealed between two panes of glass or applied simulated divided lights in patterns as shown on the drawings. 5/8" flat or Sculptured Grids in matching colors to the material.
- C. Sealant: Unless otherwise indicated for sealants required within fabricated window units, provide type recommended by window manufacturer for the joint size and movement, to remain permanently elastic, non-shrinking and non-migrating.
- D. Accessories: Accessory materials required to fill large gaps around new window framing and existing openings shall be of similar material, finish, and color as the window frame material. Such materials shall be supplied by the window manufacturer and custom fit for the application.

2.7 FASTENERS

- A. Stainless steel or other metallic or non-metallic material recommended by the manufacturer as non-corrosive and compatible with window member, trim, anchors and other components of the window units.
- B. Anchors, Clips, and Window Accessories: Depending on strength and corrosion-inhibiting requirements, fabricate units of stainless steel, or hot-dip zinc-coated steel or iron complying with ASTM A 386.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify wall opening and adjoining air and vapor seal materials are ready to receive work of this section.



3.2 INSTALLATION

- A. Comply with “Installation Masters” standard, manufacturer’ specifications and recommendations for installation of window units, hardware, operators, accessories and other window components.
- B. Opening panels must be closed and locked during installation. Windows must be installed level, plumb and square with ¼” clearance on all sides and with weep holes at bottom. Anchor securely in place. Shim as required.
- C. Headers must not be nailed. Nail through fin into framing along sides and base while staying 4” from corners. At the head, finishing nails may be placed ½’ above fin and bent down over fin to allow for header deflection. Full support is required along entire length of sill.
- D. Operating sash and hardware should fit tight at contact points and weather-stripping.
- E. Use bituminous paper or gasket material on sill for patio doors installed on concrete.
- F. Set sill members and other members in a bed of compound or with joint fillers or gaskets to provide weather tight construction. Fillers and gaskets to be installed concurrently with window units.

3.3 CLEANING

- A. Remove protective material from pre-finished surfaces.
- B. Wash down surfaces with solution of mild detergent in warm water, applied with soft, clean wiping cloths. Take care to remove dirt from corners. Wipe surfaces clean.
- C. Do not use petroleum distillants to clean windows.
- D. Clean vinyl surfaces promptly after installation of windows, exercising care to avoid damage of the finishes. Remove excess glazing and sealant compounds, dirt and other substances.

END OF SECTION 08630