



Premanufactured Vestibule Specifications

Part 1: General

1.1 Summary

1. Provide factory-fabricated vestibule assemblies consisting of:
 1. Structural steel post-supported canopy system.
 2. Integrated aluminum glass storefront framing and glazing.
2. Vestibules shall be delivered premanufactured to minimize field labor and ensure quality control.

1.2 References

1. ASTM A36 – Carbon Structural Steel
2. ASTM A500 – Cold-Formed Welded and Seamless Carbon Steel Structural Tubing
3. ASTM E1300 – Structural Performance of Glass
4. AAMA 2604 – High-Performance Organic Coatings
5. AAMA 2605 – Superior Performance Organic Coatings
6. AAMA 501 – Methods of Test for Exterior Walls
7. ASCE 7 – Minimum Design Loads for Buildings and Other Structures

1.3 Submittals

1. Shop Drawings, Product Data, Finish Samples for metal and glass.

1.4 Quality Assurance

1. Manufacturer Qualifications: Minimum 5 years experience in fabrication of vestibule assemblies.
2. Installer Qualifications: Certified by manufacturer.

1.5 Warranty

1. Provide 1-year warranty on workmanship. Manufacturer's warranty on finish and glazing.

Part 2: Products

2.1 Manufacturers

1. Basis of Design: Columbus Awning Premanufactured Vestibules

2.2 Materials

1. Canopy Frame:
 1. Posts: 6063-T6 Aluminum 4"x4"-12"x12" Tube Extruded Aluminum shapes
 2. Beams: Welded steel members sized for load requirements.
 3. Roof Deck: Aluminum Interlocking 6" Soffit Pans .125" Thickness or steel panels with integrated drainage.
2. Glass Storefront:
 1. Framing: Thermally broken aluminum system, factory preassembled.
 2. Finish: Kynar 70% PVDF Coating (AAMA 2605) in standard or custom colors.
 3. Glazing Options: Clear tempered insulated glass, Low-E coated glass, Tinted glass (gray, bronze), Laminated safety glass, Spandrel glass

2.3 Performance Requirements

1. Structural Loads: Wind load per ASCE 7, Snow load per local jurisdiction.
2. Thermal Performance: U-factor per energy code, Air and water infiltration tested per AAMA 501.

Part 3: Execution

3.1 Examination

1. Install per manufacturer's instructions and approved shop drawings. Coordinate with adjacent building envelope systems. Provide sealant at all joints for weatherproofing

3.2 Installation

1. Install per manufacturer's instructions and approved shop drawings. Coordinate with adjacent building envelope systems. Provide sealant at all joints for weatherproofing.

3.2 Cleaning and Protection

1. Clean exposed surfaces after installation. Protect installed vestibule from damage until acceptance. Keep integrated gutters free from debris.