

SECTION 08 56 23 – AWNING PASS WINDOWS

 GENERAL

 SUBMITTALS

 Action Submittals:

 Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.

 Product Data: Manufacturer’s descriptive data and product attributes for entrances and storefronts.

 Samples: [Selection samples.] [Verification samples.]

 Informational Submittals:

 Certificate of Compliance: Certification that installed products meet specified design and performance requirements.

 SYSTEM DESCRIPTION

 Design Requirements:

 Design wind pressure: In accordance with [ASCE 7.] [Building Code.] [\_\_\_\_.]

 Movement: Ambient temperature range of [120] [\_\_] degrees F and a surface temperature range of [160] [\_\_] degrees F.

 System design to be performed by qualified professional engineer licensed in State in which Project is located.

 Performance Requirements:

 Air infiltration: Maximum 1.0 CFM, tested to ASTM E283/E283M at static pressure differential of 1.57 PSF.

 Uniform structural loading:

* + - * 1. Withstand plus or minus 30 PSF, tested to ASTM E330/E330M, with maximum deflection of L/175 for spans up to 13’-6” or L/240 of clear spans plus 1/4 inch for spans greater than 13’-6”, or an amount that restricts edge deflection of individual glazing lites of glass to 3/4 inch, whichever is smaller.
				2. Withstand plus or minus 45 PSF, tested to ASTM E330/E330M, with no permanent deformation of main frame members in excess of 0.2 percent of its clear span, glass breakage, or permanent damage to fasteners or anchors.

 Forced Entry Resistance: 300 pounds, tested to AAMA 1304.

 Windborne Debris Hurricane Impact and Cyclic Wind Pressure Loading: Pass ASTM E1996 and ASTM E1886, Missile Type [C.] [D.] [E.]

 QUALITY ASSURANCE

 Installer Qualifications: Firm specializing in work of this Section with minimum [2] [\_\_] years’ experience.

 WARRANTIES

 System: Manufacturer’s [2] [3] [5] [10] year warranty against defects in materials and workmanship.

 Finish: Manufacturer’s [2] [5] [10] year warranty against peeling, checking, cracking, chalking, and color change.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on product by Strutter Window, [www.strutterwindow.com](http://www.strutterwindow.com).

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MATERIALS

 Aluminum Extrusions: ASTM B221.

 Hardware:

 Hinges: ANSI/BHMA A156.1; full mortise, five knuckle, ball bearing type, with non-removable pins.

 Latches: [Manufacturer’s standard.] [\_\_\_\_.]

 Holder arms: [Manufacturer’s standard.] [\_\_\_\_.]

 Weatherstripping: Continuous wool pile/vinyl fin type.

 ACCESSORIES

 Anchors: Series 316 stainless steel.

 Glass: Specified in Section [08 80 00.] [\_\_ \_\_ \_\_.]

\*\*\*\* OR \*\*\*\*

 Glass: Nominally [1/4] [\_\_] inch thick [clear] [[\_\_\_\_] tinted] [annealed] [heat strengthened] [tempered].

\*\*\*\* OR \*\*\*\*

 Glass: Nominally [1] [\_\_] inch thick [clear] [[\_\_\_\_] tinted] [annealed] [heat strengthened] [tempered] [low-e] insulating.

 FABRICATION

 Fabricate windows with nominal [2-1/8] [4] [5] inch vertical stiles and top and bottom rail.

 FINISHES

 Aluminum: AAMA 611, Architectural Class I anodized to minimum 0.7 mil thickness, [light bronze] [medium bronze] [dark bronze] [extra dark bronze] [black] [champagne] [light champagne] [copper] [\_\_\_\_] color.

\*\*\*\* OR \*\*\*\*

 Aluminum: AAMA 611, Architectural Class I anodized to minimum 0.7 mil thickness, clear.

\*\*\*\* OR \*\*\*\*

 Aluminum: AAMA 611, Architectural Class II anodized to minimum 0.4 mil thickness, clear.

\*\*\*\* OR \*\*\*\*

 Aluminum: AAMA 2605, fluoropolymer coating, minimum 70 percent PVDF resins, [\_\_\_\_] [custom] color [to be selected from manufacturer's full color range].

\*\*\*\* OR \*\*\*\*

 Aluminum: AAMA 2604, fluoropolymer coating, minimum 50 percent PVDF resins, [\_\_\_\_] [custom] color [to be selected from manufacturer's full color range].

 Aluminum: AAMA 2603, baked enamel coating, [\_\_\_\_] [custom] color [to be selected from manufacturer's full color range].

 EXECUTION

 INSTALLATION

 Install in accordance with manufacturer's instructions and approved Shop Drawings.

 Install glass as specified in Section 08 80 00.

 Installation Tolerances:

 Maximum variation from plumb or level: [1/8] [\_\_] inch in 3 feet or [1/4] [\_\_] inch in any 10 feet, whichever is less.

 Maximum misalignment of members abutting end to end: [1/32] [\_\_] inch.

 Sealant space between system and adjacent construction: [1/2] [\_\_] inch plus or minus [1/8] [\_\_] inch.

END OF SECTION