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SECTION 08 51 14 – ALUMINUM FOLDING 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.

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

Informational Submittals:

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

SYSTEM DESCRIPTION

Aluminum Folding Windows:

AAMA/WDMA/CSA - 101/I.S.2/A440 with Canadian Supplement A440S1, Performance Grade DP30; Canadian Air Infiltration/Exfiltration Level A2.

Air leakage: Maximum 0.22 CFM per square foot, tested to ASTM E283 at 1.57 PSF.

Water penetration: No uncontrolled water leakage, tested to ASTM E547 at 7.52 PSF.

Uniform load deflection at design pressure: 0.71 inch positive and 0.95 inch negative, tested to ASTM E330 at 30.08 PSF.

Forced entrance resistance: Conform to AAMA 1304.

System Operation:

Master swing window on every window system.

Individually moving panels.

Hingeless operation.

Bottom track supported.

Interlocking panels.

[Inswing] [Outswing] panels.

QUALITY ASSURANCE

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

Mockup: [One full sized window unit.] [\_\_\_\_.] Approved mockup [may] [may not] remain as part of the Work.

WARRANTIES

Manufacturer’s warranty providing following coverages:

Defects in materials or workmanship: 10 years.

Hardware: 5 years.

Powder coat finishes: [1 year.] [10 years.]

Anodized finishes: [1 year.] [3 years.]

Wood cladding: 5 years.

Insulated glass units: 10 years.

PRODUCTS

MANUFACTURERS

Contract Documents are based on Signature Series aluminum folding windows by Panoramic Doors, [www.panoramicdoors.com](http://www.panoramicdoors.com/).

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

MATERIALS

Aluminum Extrusions: ASTM B221.

Wood: [Alder.] [Fir.] [White Oak.] [Cherry.] [Mahogany.] [Walnut.]

Glass:

Description: ASTM E2190, 1 inch thick sealed insulating.

Glass type: ASTM C1048, Kind FT fully tempered.

Interior lite: Clear.

Exterior lite: [Clear.] [[\_\_\_\_] tinted.]

Low-e-coating: Located on [No. 2] [No. 3] surface.

Sill: [Upstand] [Flush] type.

Hardware:

Handles: [Lakeview Black.] [Lakeview Silver.] [Estate Black.] [Estate Silver.] [Cityscape White.]

Locking: Multipoint locking mechanism.

Retractable Screens: Extruded aluminum frame with pleated screen, manually operated.

FABRICATION

Size and Configuration: [\_\_\_\_.] [Refer to Drawings.]

FINISHES

Windows:

Aluminum: AAMA 611, Architectural Class I anodized, clear.

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

Aluminum: AAMA 2603.

* + - * 1. Exterior surfaces: Apollo White.
        2. Interior surfaces: Apollo White.

Aluminum: AAMA 2604.

* + - * 1. Exterior surfaces: [Textured Black.] [Statutory Bronze Textured.] [Custom color.] [Color to be selected from manufacturer's full color range.]
        2. Interior surfaces: [Same as exterior surfaces.] Textured Black.] [Statutory Bronze Textured.] [Custom color.] [Color to be selected from manufacturer's full color range.]

Wood: Unfinished, for field finishing.

Retractable Screen: [Same color as windows.] [Textured Black.] [Apollo White.] [Statutory Bronze Textured.] [Custom color.] [Color to be selected from manufacturer's full color range.]

EXECUTION

INSTALLATION

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

Installation Tolerances:

Maximum variation from plumb or level: [1/16] [\_\_] inch in 3 feet or [1/8] [\_\_] 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: [3/8] [\_\_] inch plus or minus [1/8] [\_\_] inch.

END OF SECTION