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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