

SECTION 074213

METAL COMPOSITE MATERIAL WALL PANELS

PART 1 GENERAL

1.1 SUMMARY

- A. Provide aluminum composite material wall panels and aluminum sheet.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
- B. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.
 - 1. Shop drawings shall be stamped by a professional engineer licensed in the jurisdiction of the project, indicating compliance with wind loads indicated on the structural drawings.
- C. Samples: Submit two representative samples of finish. Include range samples if variation of finish is anticipated.
- D. Warranty: Submit manufacturer's standard limited warranty against defects in manufacturing.

1.3 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Mock-Ups: Provide mock-up as required by Architect to demonstrate quality of workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Aluminum Composite Material Cladding, Basis-of-Design: 3A Composites USA ALUCOBOND PLUS and Alucobond Axcent Sheet or equal by Arconic Architectural Products or Mitsubishi Chemical America.
 - 1. ALUCOBOND Plus for Wall Panels: 4mm thick ACM comprised of two sheets of 0.020 inch thick aluminum thermobonded to a solid, fire-retardant core.
 - 2. ALUCOBOND Axcent for Parapet Caps, Canopies, Soffits and Trim: [0.040] [0.063] [0.080] inch thick flat aluminum sheet.
 - 3. Fabrication System: [Rout and return wet seal] [DBVR drain-back ventilated rainscreen] [PER pressure equalized rainscreen] [EasyFix] system.
 - 4. Fire Performance, ASTM E84 Class A: Flame spread index 25, smoke developed index less than 450.
 - 5. Wall Assembly Burn Testing: NFPA 285, compliant in proposed wall assemblies.
 - 6. Performance Properties: As published in manufacturer's data sheets.
 - 7. Aluminum Finish: [2-coat PVDF] [3-coat PVDF] [2 coat PDF with clear coat of FEVE] [SMP (silicone modified polyester) [FEVE fluoropolymer based] finish.
 - 8. Color and Finish Collection: [Classic] [Natural] [Spectra] [Anodized] collection as selected by Architect.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged components and finishes. Clean and protect work from damage during construction.

END OF SECTION