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Aluminum Balconies

Balconies by Levanté®

PART 1- GENERAL

1.1 SECTION INCLUDES

- A. Exterior, prefabricated aluminum balconies, railings, and accessories.

1.2 RELATED SECTIONS

- A. Section 01 40 00 – Quality Requirements (For delegated design requirements)
- B. Section 01 74 21 - Construction/Demolition Waste Management and Disposal
- C. Section 01 99 99 – Exterior Materials Keynote List (For color and finish selections)
- D. Section 05 50 00 - Metal Fabrications
- E. Section 05 73 00 – Decorative Metal Railings
- F. Section 06 10 00 - Rough Carpentry (For wood blocking for anchoring balconies. Design of wood blocking by others. Installation of wood blocking shall be contractors and tradesmen skilled in carpentry work)
- G. Section 09 22 16 – Non-Structural Metal Framing (For metal knife plates for attaching balconies)
- H. Section 09 96 00 – High-Performance Coatings

1.3 REFERENCES

- A. American Society for Testing and Materials (ASTM)
 - 1. ASTM D4214 – Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films
- B. American Architectural Manufacturers Association (AAMA)
 - 1. AAMA 615 – Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Plastic Profiles
 - 2. AAMA 2604-10 Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels.
- C. North American Deck and Railing Association (NADRA)

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Manufacturer's Literature and Data: Submit manufacturer's printed product literature, specifications, data sheet, and installation instructions.
- C. Product Samples: Submit color samples.
- D. Shop Drawings:
 - 1. Indicate layout and deck sizing, connections to supporting members, anchorage, accessories, and balcony openings.
 - 2. Delegated-Design/Engineer's Stamped Drawings.

- E. Certifications: Manufacturer's Certifications that products comply with specified requirements, including laboratory reports showing compliance with specified tests and standards.
- F. Submit manufacturer's installation instructions.
- G. Manufacturer's Warranty: Submit manufacturer's warranty.

1.5 QUALITY ASSURANCE

- A. Designer Qualifications: Perform design either by Qualified Professional Engineer or under direct supervision of a Qualified Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.
- B. Manufacturer Qualifications:
 - 1. Provide technical and design support as needed regarding installation requirements and warranty compliance provisions.
- C. Installer Qualifications:
 - 1. All products listed in this section are to be installed by an installer trained by manufacturer or representative.
- D. Pre-Installation Meetings:
 - 1. Prior to beginning installation, conduct conference to verify and discuss substrate conditions, manufacturer's installation instructions and warranty requirements, and project requirements.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in Manufacturer's packaging.
- B. Shipments come on pallets.
 - 1. (6) Balcony frames with decking installed per pallet. Front of balcony frame on the pallet.
 - 2. Front rails on pallet.
 - 3. Side Rails on pallet.
 - 4. Tie Rods, Clevis, Hardware, and other miscellaneous items on pallet.
- C. Pieces should be stored flat in a clean, dry location, and in original packaging until use.
- D. Mark packaging, legibly. Indicate manufacturer's name, type, and color.
- E. Before installation, inspect products for damage or defectives.
- F. Store away from uncured concrete, masonry, and stucco.
- G. Scrap material should be recycled.

1.7 WARRANTY

- A. See Section 01 78 00 – Closeout Submittals, for additional warranty requirements.
- B. Levanté®, LLC expressly warrants its products are free from manufacturing defects in material and workmanship if installed in accordance with our specifications, property maintained, and used for their intended purpose for a period of 15 years.
- C. Levanté®, LLC expressly warrants its products are free from finish defects if installed in accordance with our specifications, property maintained, and used for their intended purpose for a period of 5 years.
- D. The warranty is given to either (1) the original purchaser of the products; or (2) the owner of the property at the time of installation of the product.
- E. See warranty at levantealuminum.com for detailed information on terms, conditions, and limitations.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Provide and install prefabricated aluminum balcony frame, deck, and railing system as manufactured by:
 - 1. Levanté®, LLC, www.levantealuminum.com
 - a. Products:
 - i. Support System: Manufacturer's structurally designed universal mounting plates and aluminum clevis rod assembly.
 - ii. Aluminum Prefabricated Balcony system including support framing and decking.
 - i. Aluminum Railing System
 - 2. Substitutions: Not Permitted

2.2 SYSTEM PERFORMANCE

- A. Minor deviations to details shown on drawings to accommodate manufacturer's standard products may be acceptable by Architect of Record (AOR) when deviations do not affect design concept and specified performance.

2.3 PRODUCTS

- A. Basis of Design Product: Balconies by Levanté®
 - 1. Profile Color: Charcoal Black, Pure White, Bronze Mocha
 - 2. Optional Wood-grain Deck Board Color: Toasted Marshmallow, Twilight Sun, Moonlight Kiss
 - 3. Traditional Balcony Sizes
 - a. 5' x 8'
 - b. 5' x 10'
 - c. 5' x 12'
 - d. 6' x 10'
 - e. 6' x 12'
 - 4. Tailored Balcony Sizes available upon request.
 - 5. Railing Systems
 - a. Picket Railing
 - b. Open Mid-Rail
 - c. Mesh Railing
 - d. Glass Railing

2.4 MATERIALS

- A. Aluminum components are manufactured utilizing an extrusion die.
- B. Components are prefinished and machine applied.

2.5 INSTALLATION COMPONENTS

- A. Universal Mounting Plate
- B. Clevis Rod Assembly
- C. Fasteners: See manufacturer's instructions for appropriate fasteners for construction method used. Fasteners are provided with balcony system.

PART 3 - Execution

3.1 EXAMINATION

- A. Refer to local building codes for best practices.
- B. Examine site to ensure substrate conditions are within proper installation tolerances. Do not begin installation until proper conditions are present.
- C. Do not install components that are either damaged or defective.

3.2 PREPARATION

- A. Coordinate installation of universal mounting plates and other support anchorage that is required to be built into the construction at time of framing. Installation of universal mounting plates and other support anchorage by others.

3.3 INSTALLATION

- A. General: Install products in accordance with the latest installation guidelines of the manufacturer and all applicable building codes and other laws, rules, regulations and ordinances. Review all manufacturer installation, maintenance instructions, and other applicable documents before installation.
- B. Remove material packing and discard in approved manner.
- C. Attach railing system to prefabricated balconies using approved and supplied fasteners.
- D. Securely attach balcony system to building structure through attachment to universal knife plates and hanging rod clevis with approved and supplied fasteners.

3.4 CLEANING AND MAINTENANCE

- A. Refer to manufacturer's guidelines for detailed care instructions.