

PRODUCTS:

ALUMINUM BALCONY & RAIL SYSTEM

- A. Provide and install factory fabricated aluminum balcony frame, deck and railing system as manufactured by Midwest Stairs & Iron, Milwaukee, WI, www.mwstairs.com , or an equal reviewed in advance by the architect and owner.
 - a. Aluminum Railing System: Manufacturer's aluminum rail system.
 - b. Aluminum Deck System: Manufacturer's engineered aluminum decking, aluminum joist framing and aluminum tube perimeter framing.
 - c. Deck support system: Manufacture's structurally designed steel knife plate and tie rods (Macalloy tie rods).
- B. Materials: Frame and deck material to be formed from 6063-T6. All post material to be formed from 6061-T6 extruded aluminum alloy. Rail system to be fully welded and then welded to balcony frame prior to powder coat.
- C. Finish: All components to receive powder coat finish, 2 mil thickness, and a standard RAL color to be selected and reviewed by architect and owner.
- D. Bolts to be stainless steel or galvanized (hardware to be touched up to match color).
- E. All material shall be free from defects impairing strength, durability or appearance and of the best commercial quality for the purposes indicated.

STRUCTURAL SUPPORT SYSTEM:

- A. Support system for the balcony and rail system shall be based on manufacturer's recommendations and requirements and such attachment and support system shall be reviewed, certified and signed by manufacturer's engineer before review by the owner and architect.
- B. Aluminum Balcony Components:
 - a. Manufacturer's system of 1.5" high tongue and groove aluminum decking.
 - b. Manufacturer's system of 2" x 8" aluminum tube perimeter framing.
 - c.
- C. Aluminum Deck Support System Components:
 - a. Manufacturer's designed and engineered steel knife plates for attachment to vertical wood studs within exterior walls.