



ENDURABLE BUILDING PRODUCTS
alumiLAST® FRAMING SYSTEM SPECIFICATIONS

MANUFACTURER

Endurable Building Products
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PRODUCT DESCRIPTION

An engineered aluminum deck and balcony framing system designed for commercial and residential applications. The system is strong, lightweight, and maintenance free. The aluminum components have a durable powder coat finish, are saltwater resistant, and available in a wide choice of standard and custom colors. Endurable deck framing systems are fabricated to meet Uniform, BOCA, and National Building Code.

PART 1 GENERAL

1.1 WORK INCLUDED:

Provide aluminum deck framing system in prefabricated sections per approved engineering drawings.

1.2 REFERENCE STANDARDS:

- A. Uniform Building Code 1997
- B. BOCA National Building Code 1993
- C. IBC 2003 and 2006

1.3 SUBMITTALS:

- A. Provide shop drawings and product data.
- B. Within thirty calendar days after the contractor has received the owner's notice to proceed, submit shop drawings that indicate scope of project, component details, materials, finish, fasteners and anchorage methods, and the relationship to adjoining work
- C. Shop Drawings shall be signed and sealed by the professional engineer responsible for the design

1.4 QUALITY ASSURANCE:

- A. Framing systems are based upon Endurable alumiLAST deck framing system as the standard of quality. No substitutions will be accepted.
- B. Design criteria: decking assemblies shall be designed to conform to all applicable building codes and loading requirements.

1.5 WARRANTY:

- A. 50 year warranty covering material and workmanship (See manufacturer's warranty statement for specific details)

1.6 DELIVERY, STORAGE, AND HANDLING:

- A. Deliver materials to the job site in good condition. Purchaser to store in clean, dry location, properly protected against damage to finished surfaces.
- B. Store away from uncured concrete, masonry, or stucco

PART 2 PRODUCTS

2.1 MATERIALS:

- A. Extrusion Alloy: 6005A-T6, 6061-T6, or other 6000 series aluminum alloy. Except 6063-T5 and T6
- B. Screws, bolts, washers, hardware shall be stainless steel or other corrosion resistant material.

2.2 FINISHES:

- A. TGIC polyester powder coating, electro-statically applied to 2-3 mil thickness. Color to be selected by the architect/owner from manufacturer's standard or custom colors

2.3 FRAME COMPONENTS:

- A. Joists
 - 1. 1-1/2" x 3", 4", 5", 6" x 1/8" aluminum tube
- B. Beams
 - 1. 3" x 6" x 1/8" or 4" x 8" x 1/8" aluminum tube
- C. Posts
 - 1. 3", 4", 6" x 1/8" square aluminum tube or snap fit aluminum columns.
- D. Plate
 - 1. 1/2" aluminum mounting plate

2.4 FABRICATION:

- A. Fabricate decking assembly to design dimensions, details, and specified requirements for structural performance. Fabricate members and fittings to provide flush, smooth, joints
- B. Owners representative/contractor to verify dimensions on site prior to fabrication

PART 3 EXECUTION

3.1 INSTALLATION:

- A. Install work in accordance with final shop drawings and manufacturer's instructions
- B. Erect work plumb, square and level, free from distortion or defects detrimental to appearance or performance

C. Anchor posts to footings with approved corrosion resistant fasteners

3.2 CLEANING:

- A. Wash framing using clean water and soap, rinse with water
- B. Do not use acid solution, steel wool, or other harsh abrasives