

Product Description



alumiLAST® Aluminum Mesh Panel Railing Specifications

PRODUCT DESCRIPTION

A powder coated extruded aluminum mesh panel railing is available in three standard colors and is also available in custom colors.

PART 1 GENERAL

1.1 WORK INCLUDED:

- A. Provide aluminum railing in lengths per approved engineering drawings.

1.2 SUBMITTALS:

- A. Provide accurate counts of number of pieces and proper lengths required

1.3 QUALITY ASSURANCE:

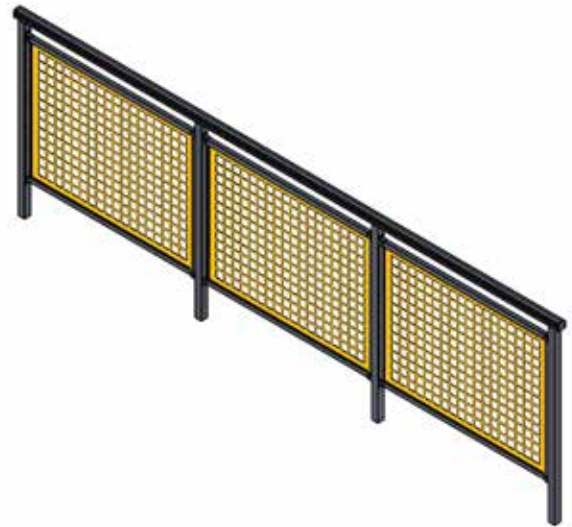
- A. Mesh Panel Railings are based upon alumiLAST railing as the standard of quality. No substitutions will be accepted.
- B. Design criteria: railing shall be designed to conform to all applicable building codes and loading requirements.

1.4 WARRANTY:

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

1.5 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.
- B. Mesh Panel: A1350 wire diameter 1/4"
- C. 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.

6500 Shingle Creek Parkway • Brooklyn Center, MN 55430

800.933.2060

www.endurable.com

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2.3 FRAME COMPONENTS:

A. Aluminum Welded guardrail system: Components fabricated of extruded aluminum in accordance with ASTM B 221. (ASTM B 221M).

1. Top Rail Style: Alloy 6061-T6, or 6005-T5.

a. Extruded top rail.

2. Mesh Frame: Alloy 6063-T5.

a. 1 ¼" – 2pc snap together alum mesh channel

3. Mesh Panel: A1350 wire diameter ¼"

a. 2" x 2" sq.

4. Posts: Alloy 6005A-T61:

a. 1-11/16 inch plain posts with welded base plates.

b. 1-11/16 inch posts with welded bottom rail sleeves.

c. 1-11/16 inch posts with shop welded center posts and mechanically fastened 1-11/16 inch end/corner/splice posts with welded bottom sleeves.

5. Mounting System: Anchoring system capable of withstanding structural design load stated.

a. Posts surface mounted to substrate with base plates.

b. Posts fascia mounted to outer deck surface.

c. Posts core mounted to substrate using non-shrink grout.

6. Posts Spans:

a. 60 inch maximum post spacing.

7. Guardrail Termination at Walls and Columns:

a. Connect to building walls or support columns at top and bottom locations (and application mid rail locations) using wall mount connectors.

b. Posts to be used at railing termination points such as building walls or support columns in addition to upper wall mounts connecting to the building and/or columns to reduce guardrail deflection.

8. Anchors and Fasteners:

a. Rail frame assembled using color matching stainless steel fasteners.

b. Rail frame assembled using stainless steel fasteners.

c. Post base plate anchorage to be stainless steel as recommended by the manufacturer.

PART 3 EXECUTION

3.1 PROJECT CONDITIONS:

A. Field Measurements: Verify handrail and railing dimensions by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1. Established Dimension: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating handrails and railings without field measurements. Coordinate construction to ensure that actual dimensions correspond to established dimensions.

3.2 INSTALLATION:

A. Install work in accordance with manufacturer's instructions

3.3 CLEANING:

A. Wash decking using clean water and soap, rinse with water

B. Do not use acid solution, steel wool, or other harsh abrasives