

SECTION 055001  
IN-PLANT GUARDING SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 ACTION SUBMITTALS

- A. Product Data and Shop Drawings: For non-penetrating guardrail system.

PART 2 - PRODUCTS

2.1 NON-PENTRATING GUARDRAIL

- A. General: Weighted, non-penetrating extruded aluminum guardrail system; of size, and construction indicated.
  - 1. Basis-of-Design Product:
    - a. **KATTGUARD GR34 Non-Penetrating Guardrail by FIXFASTUSA.**
  - 2. Source Limitations: Obtain from single source from single manufacturer.
- B. Weighted, non-penetrating extruded aluminum guardrail system; Provide the following:
  - 1. Top Rail: 2 inch extruded 6005-T5 aluminum profiled tube. 0.75lbs/ft
  - 2. Mid Rail: 1-5/8 inch extruded 6005-T5 aluminum profiled tube. 0.40lbs/ft
  - 3. Splice Joints: Profiled extruded aluminum.
  - 4. Post: 2-1/4 x 1-1/2 x 1/8 inch extruded 6005-T5 rectangular aluminum tube. 2.70lbs
  - 5. Toe-Board (where required): 4-1/4 x 1 x 3/32 inch extruded 6005-T5 rectangular aluminum channel. 0.70lbs/ft
  - 6. Weighted Base: 23 x 23 x 5/8 inch plastic coated steel base. 96lbs
  - 7. Hardware: Stainless steel.
  - 8. Corner Elbows: Die cast aluminum. Top rail corner – 0.8lbs. Mid rail corner – 0.42lbs.
  - 9. End Caps: Plastic
  - 10. Finish: Mill finish aluminum.
  - 11. Roof Protective Pads (where required): 24 x 24 x 5/32 inch recycled rubber.

- C. Post Spacing: As required according to authorities having jurisdiction.
- D. Top Rail Height: 42 inches.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### PART 4 – INSTALLATION

#### 4.1 INSTALLATION, GENERAL

- A. Weighted, non-penetrating extruded aluminum guardrail system: Install per manufacturers installation guidelines and authorities having jurisdiction.

END OF SECTION 055001