

ARCHITECTURAL / ORNAMENTAL RAILING INFILL PANELS

PART 1 – GENERAL

1.01 SUMMARY OF WORK INCLUDED

- A. The manufacture of wire mesh infill panels, per shop drawings and specifications.

1.02 RELATED SECTIONS

- A. Section 03300 Concrete; Section 05100 Structural Steel; Section 05500 Misc. Metals; Section 05511 Steel Stairs

1.03 SUBMITTAL

- A. Submit shop drawings as required for fabrication. Include plan for layout and details, showing locations and sizes of posts. Show attachment details.
- B. Provide sample showing construction of mesh and framing, if required.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Refer to Section 01600 Product Storage and Handling Requirements.
- B. Transport product to destination in unopened containers, contents and name of manufacturer clearly marked.
- C. Store products in manufacturer's unopened packaging until ready for installation.

1.05 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Manufacturer: Company specializing in manufacture of specified products. Company shall have 5 years minimum experience.
 - 2. Installer: Company specializing in installation of railings, infill and related products. Company shall have 5 years minimum experience.
- B. Field Measurements: Confirm all field measurements prior to fabrication.
- C. Anchors and Inserts: Coordinate with Sections 03 Concrete and 04 Masonry for any attachments or devices requiring inset. Anchor railings securely, conforming to design criteria conditions.

PART 2 – PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturer: **LORALLEN FABRICATION SERVICES**
P.O. Box 567
Murrieta, CA 92564
Phone: 951-698-0058 – Fax: 951-346-9525
Email: info@lorallen.com
Website: www.lorallen.com

B. Requests for substitutions to be considered in accordance with Section 01600.

2.02 PANEL CONSTRUCTION

A. Mesh:

1. Woven Wire: Material, weave and pattern as shown on drawings.
2. Welded Wire: Material and pattern as shown on drawings. Resistance weld with penetration between 5%-7% material thickness.

B. Framing:

1. Vertical and horizontal framing members to be constructed from materials as specified in detail drawings. U-Edge Channel shall be a minimum thickness of 12 gauge (.105"). All corners shall be mitered, welded and ground smooth.

C. Attachments:

1. Tabs: Weld or bolt tabs, size and locations as required by railings and as specified in detail drawings.
2. Direct Attachment: Through holes in frame members to be of size and location to avoid compromise of load requirements.

D. Finish: Bare or hot dip galvanize per ASTM A123.

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Do not commence installation prior to examination of affected work areas. Insure substrate preparation. Correct all deficiencies.
- B. Coordinate work with other installers as required.

3.02 PREPARATION

- A. Prior to installation, clean and prepare all surfaces thoroughly in accordance with manufacturer's recommendations to achieve best results for the project conditions.

3.03 INSTALLATION

- A. Securely install panels with attachments, as specified in detail drawings.
- B. Ensure that panels are plumb and in alignment.

3.04 PROTECTION

- A. Provide for protection of product at jobsite, installed or waiting for installation, until project is completed.
- B. Touch up, repair or replace any components damaged during installation.

END OF SECTION