

SECTION _____

BALUSTRADE/RAILING SPECIFICATIONS

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide balustrade/railing work shown on the drawings, as specified herein, and as needed for a complete and proper installation.
- B. Coordinate balustrade/railing work of this section with General Conditions and Supplementary Conditions.

1.02 SUBMITTALS

- A. Submit shop drawings designed in accordance with local building code requirements. Upon approval, general contractor shall send to field or job-site superintendent copy of final approved shop drawing.
- B. Submit color samples of exterior covering.
- C. Submit close-out documents, warranties, and manuals.

1.03 QUALITY ASSURANCE

- A. Use adequate number of skilled workmen who are thoroughly trained and experienced in the necessary crafts, and who are completely familiar with the specified requirements and the methods needed for proper performance of the work of this Section.
- B. Use materials which shall be free from defects impairing strength, durability, and appearance; shall be of best commercial quality for purpose required; and shall comply with approved drawings.
- C. Use manufacturer who has had ten (10) years of experience in the manufacture of specified product.

1.04 WARRANTY

- A. Warrant the product for one year after date of delivery.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. Use balustrade/railing as manufactured by Campbellsville Industries, Inc., P.O. Box 278, 440 Taylor Blvd., Campbellsville, KY 42718, Phone: 800/467-8135, Fax: 270/465-6839. Website: <http://cvilleindustries.com>. E-mail: steeple@cvilleindustries.com.
- B. Use balustrade/railing series _____, as shown on drawings.

2.02 MATERIALS

- A. Use all aluminum for construction of specified system.
- B. Use aluminum alloy 6061-T5 for extrusions

2.03 ACCESSORIES (Select Appropriate Series).

- A. Series 100-R or 150-S
 - 1. Use 6" square extruded aluminum anchor posts.
 - 2. Use cast aluminum CC-6 cap, BC-6 base cap, and BP-6 Base anchor plate.
 - 3. Use BTR-4 bottom horizontal rail, and TR-6 top horizontal rail.
 - 4. Use 2" round (Series 100-R) , or 2" square (Series 150-S) spindles at 6" o.c.
 - 5. Fabricate vertical height from floor to top of top horizontal rail to be _____".
- B. Series 200-D
 - 1. Use 6" square (or 4" square) extruded aluminum anchor posts.
 - 2. Use cast aluminum CC-6 cap (cc-4 for 4" posts), BC-6 base cap (BC-4 for 4" posts), and BP-6 base anchor plate (BP -4 for 4" posts).
 - 3. Use BTR-4 horizontal rails.
 - 4. Use 2" x 4" tubes for diagonals.
 - 5. Fabricate vertical height from floor to top of top horizontal rail to be _____".

C. Series 300-H

1. Use 6" square (or 4" square) extruded aluminum anchor posts.
2. Use cast aluminum CC-6 cap (cc-4 for 4" posts), BC-6 base cap (BC-4 for 4" posts), and BP-6 base anchor plate (BP -4 for 4" posts).
3. Use BTR-4 horizontal rails
4. Use 2" x 2" tubes for diagonals and verticals.
5. Fabricate vertical height from floor to top of top horizontal rail to be _____".

D. Series B

1. Use 6" square (or 4" square) extruded aluminum anchor posts.
2. Use cast aluminum CC-6 cap (cc-4 for 4" posts), BC-6 base cap (BC-4 for 4" posts), and BP-6 base anchor plate (BP -4 for 4" posts).
3. Use BTR-4 horizontal rails
4. Spin balusters # _____ from .060" aluminum, and space at 10" o.c. spacing.
5. Determine vertical height from floor to top of horizontal rail by selected baluster.

2.04 FABRICATION

- A. Fabricate balustrade/railing at factory, and prefit all components to be assembled in the field. All welded connections shall be unground, neat, and without cavities.
- B. Space anchor ports maximum 12'-0" o.c.
- C. Conceal all exterior fasteners to maximum possibility.
- D. Use cadmium plated bolts, nuts, and washers for all connections. Anchor bolts into the floor and/or wall shall be by the installer.

2.05 FINISHES

- A. Shop finish all aluminum extrusions, castings, spinnings, and accessories from manufacturer's stock colors. Units shall be caustic etched, primed with 2 heavy coats of primer, and finished with 2 heavy coats minimum of industrial vinyl or enamel finish electrostatically applied and air dried.
- B. Paint all aluminum surfaces in contact with steel with one heavy coat of zinc primer, and paint all steel surfaces with 2 heavy coats red lead or zinc chromate, followed by one coat of aluminized bituminous paint.

2.06 CAULKING

- A. Clean and dry all surfaces to be caulked.
- B. Apply with caulking gun, using nozzle of proper size to fit the joint width.
- C. Use silicone caulking by Dow Corning, or approved equal.

PART 3 - EXECUTION

3.01 PROJECT SITE CONDITIONS

- A. Verify that site conditions are suitable and accessible for delivery.
- B. Confirm that all preparatory work is in place in accordance with approved shop drawings before delivery.

3.02 INSTALLATION

- A. Coordinate with other trades as required to assure proper and adequate installation.
- B. Clean all soiled and dirty areas and touch up any scratches or abrasions to finish before installation.
- C. Install work with skilled workmen who are familiar with such work in accordance with manufacturer's instructions and approved shop drawings.

3.03 CLEAN-UP

- A. Clean up all debris caused by work of this section, keeping the premises clean and neat at all times.

END OF SECTION