Index 870 Aluminum Pipe Guiderail

Design Criteria

ADA Accessibility Guidelines July 2004 as adopted with amendments by the USDOT under 49 CFR Part 37

Design Assumptions and Limitations

This Guiderail was tested by the FDOT Structural Research Center and found to resist an equivalent Service Loading of 50 lbs./ft. acting simultaneously in the transverse and vertical direction when applied at the height of the Top Rail.

This Index is not approved for use on bridges. This railing is not applicable for shielding drop-off hazards for vehicular traffic. This railing is applicable for all cases where Florida Building Code permit is not required and pedestrian or bicyclist drop-off hazards do not exceed 5’-0”. Refer to ***PPM***, Volume 1, Chapters 4 & 8, for the definition of vehicular, pedestrian and bicyclist "drop-off hazards". This railing is also applicable for select uses on sidewalks within service areas and similar locations or maintenance areas where the drop off exceeds 5’-0”.

Adequate foundation support for anchorage and stability against overturning must be provided. Design a site specific railing for unusual site conditions.

Indexes 870 and 880 are similar in form and function. Select which of these railings to use at a given site based on District preferences, aesthetic or finish color requirements, corrosion concerns, theft potential issues, fabrication issues, weight of railing and any other project specific requirements.

Plan Content Requirements

In the Structures and/or Roadway Plans:

Show Pipe Guiderail on sidewalks and walls as required. Designate locations where guiderails are required.

Include cross references to ***Design Standards*** Index 870 as appropriate.

Payment

Item number	Item description	Unit Measure
515-1-2	Pipe Handrail - Guiderail, Aluminum	LF