Index 515-070 Aluminum Pipe Guiderail

Design Criteria

Americans with Disabilities Accessibility Guidelines (ADAAG), 2004 as adopted with amendments by the ***USDOT under 49 CFR Part 37 Transportation for Individuals with Disabilities, Adoption of New Accessibility Standards***

Design Assumptions and Limitations

The Aluminum Pipe Guiderail, ***Index 515-070*** 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.

Index 515-070 is not approved for use on bridges and is not applicable for shielding drop-off hazards for vehicular traffic. The guiderail is applicable for all cases where a Florida Building Code permit is not required and pedestrian drop-off hazards do not exceed 5'-0". Refer to ***FDM 215*** and ***FDM 222***, for the definition of vehicular and pedestrian "drop-off hazards". This guiderail is also applicable for select uses on sidewalks within service areas and similar locations or maintenance areas where the drop-off exceeds 5'-0".

Provide adequate foundation support for anchorage and stability against overturning. Design a site specific guiderail for unusual site conditions.

Index 515-070 and ***Index 515-080*** are similar in form and function. Select which of these guiderails 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

Summary Boxes:

Summarize quantity by location in the *Summary of Railing*, see ***BOE***, Chapter 8.

In the Structures and/or Roadway Plans:

Show Aluminum Pipe Guiderail on sidewalks and walls as required. Designate locations where guiderails are required. Label guiderail by name or Index number.

Payment

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

See the ***BOE*** and ***Specification 515*** for additional information on payment, pay item use and compensation.