**Recommended Usage**

- **Recommended Rail Options**
  - For bridges:
    - TY A, TY B, TY C, or TY D
  - For pedestrian safety:
    - TY E or TY F

**RECOMMENDED USAGE**

- **SECTION A-A**
  - (Showing Handrail on TY A)
- **SECTION B-B**
  - (Showing Handrail on TY B)
- **SECTION C-C**
  - (Showing Handrail on TY C)
- **SECTION D-D**
  - (Showing Handrail on TY D)

**SECTION D-D**

- (Showing Handrail)
- 1'-0" ramp / sidewalk. Provide holes as needed in 1" Dia. pipe for galvanizing.

**Ramp Details**

- (Typ)
- 1" Dia. Round Bar equal spacing at 4" Max. Plumb all pickets.

**Panel Length (Typ)**

- Max Length = 30'-10" minus 1/2".

**Post Splice (Typ)**

- If Splice Joint is used, requires two Post in each side.

**Splice Joint (Typ)**

- If Splice Joint is used, requires two Post in each side.

**ELEVATION VIEW**

- (Shop Splices and Splice Joints only shown on one Type for clarity)

**Anchor Bolts**

- 2 1/2" Dia. Standard Pipe (2.875" O.D., 0.203" wall thickness), See "Post Mount Details" for crimping and trimming post to fit, Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.

**Handrail Fabrication Details**

- For Splice Joints.

**Handrail**

- 1 1/2" Dia. Round Bar equal spacing of 4 1/2" Max. Plumb all posts.

**SHEET 1 OF 3**

**PEDESTRIAN HANDRAIL DETAILS**

**PRD-13**

**General Notes**

- For anchor bolt information.

**NOTES**

- Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.

- One shop splice per panel is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.

- Shop splice is permitted with minimum 85 percent penetration. The weld may be square groove or single vee groove. Grind smooth.

- See "Typical Post Base Plate Detail" for crimping and trimming post to fit, Dia. of top rail. Provide holes as needed in post for galvanizing drainage and venting. Plumb all posts.

- See "Section on Rail Post Foundations".

**NOTES**

- See "General Notes" for anchor bolt information.

**NOTES**

- Not to be used on bridges.

**NOTES**

- When needed for accessibility (grade > 5 percent) or as needed for pedestrian safety.

**NOTES**

- For anchor bolt information.

**NOTES**

- For anchor bolt information.

**NOTES**

- For anchor bolt information.

**NOTES**

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- For anchor bolt information.

**NOTES**

- For anchor bolt information.

**NOTES**

- For anchor bolt information.
GENERAL NOTES

Designed according to ADAAG, Texas Accessibility Standards, Uniform Building Code, and ASME/ANSI Specifications.

Circular anchor details shown on this standard may require modification for select structure types. See corresponding details elsewhere in plans for these modifications.

Concrete foundations will be in accordance with Item 531 "Sidewalks." All reinforcing steel of size and grade shown, unless otherwise required, will be as follows: Uncoated — #4 = 1'-5". Coated — #4 = 2'-1".

When the plans require pointed steel, follow the requirements for painting galvanized steel in Item 535. Threaded and hex cap screws to be plated or coated. Ribs, nuts, washers, and bolts will be any approved material unless otherwise noted.

For curved rail, an air-compressed sandblaster may be used in accordance with AASHTO LRFD Specifications. Paint in accordance with Item 530 "Painting Steel." Paint in accordance with Texas Department of Transportation (TxDOT) "Painting of Highway Medians, Curb, and Gutter." This specification will conform to Texas Access and Safety Standards. Paint to match the type specified. Payment for all items shown is to be included in unit price bid in accordance with Item 531 "Sidewalks.

Handrail anchorage details shown on this standard may require modification for select structure types. See corresponding details elsewhere in plans for these modifications.

Concrete foundations will be in accordance with Item 531 "Sidewalks." All reinforcing steel of size and grade shown, unless otherwise required, will be as follows: Uncoated — #4 = 1'-5". Coated — #4 = 2'-1".

When the plans require pointed steel, follow the requirements for painting galvanized steel in Item 535. Threaded and hex cap screws to be plated or coated. Ribs, nuts, washers, and bolts will be any approved material unless otherwise noted.

For curved rail, an air-compressed sandblaster may be used in accordance with AASHTO LRFD Specifications. Paint in accordance with Item 530 "Painting Steel." Paint in accordance with Texas Department of Transportation (TxDOT) "Painting of Highway Medians, Curb, and Gutter." This specification will conform to Texas Access and Safety Standards. Paint to match the type specified. Payment for all items shown is to be included in unit price bid in accordance with Item 535 "Painting Steel."