

SPECIFICATIONS

BIDDER AGREES TO PROVIDE AND INSTALL EQUIPMENT TO MEET THE FOLLOWING REQUIREMENTS PER THESE SPECIFICATIONS AND AS DETAILED BELOW:

PART 1 – RAILING SYSTEM

1.01 PRODUCT

- A. Pedestrian/bicycle railing (aluminum) per FDOT Index 515-062 sheets 1-9, FY 2021-22 Standard Plans or latest addition.
- B. Railing components shall be per FDOT Index 515-062, Sheet 1, Table 1 – Railing Members schedule or using equivalent strength aluminum pipe/tube members.
- C. Finish: mill finish aluminum,

1.02 GENERAL PERFORMANCE

- A. See notes on FDOT Index 515-062, Sheet 1.
- B. Handrail system can be either pre-fabricated in welded sections or assembled in the field using railing components and set screws (or tack welds).
- C. All nuts, bolts and set screws shall be finished with tack welds (anti-theft prevention).
- D. Anchor bolts shall be epoxy embedded.

1.03 UNIT SIZING

- A. Aluminum railing system shall be constructed using 3-inch round top cap rails, 2-inch square bottom and intermediate rails, 1.5-inch X 2.5-inch rectangular posts, 3/4-inch round or square vertical pickets (picket infill panel), and 8-inch X 9-inch (5/8-inch thick) rectangular base plates.
- B. Install 1.5-inch round handrail when applicable.
- C. Railing system shall be 48-inches from finished grade to top of cap rail members, 37.25-inches from finished grade to top of top intermediate rail members with 3-inches clear opening from finished grade to bottom of bottom intermediate rail members.

1.04 INSTALLATION, PLACEMENT, AND CLEARANCES

- A. Railing system can be either pre-fabricated in welded section or assembled in the field using railing components and set screws (or tack welds).
- B. Railing shall be installed on center at 6-inch offset from face of existing concrete seawall cap.
- C. All exposed nuts, bolts and screws shall be finished with tack welds (anti-theft prevention).
- D. All anchor bolts/screws shall be embedded with epoxy.