

SECTION 13100

MARINE HARDWARE

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS

This section includes furnishing and installing complete in place marine hardware for securing plastic lumber fenders, bull rail, and installation of new cleats as indicated on the plans and specified herein.

1.02 SUBMITTALS

The Contractor shall submit six (6) sets of the following for approval for all materials and products

- A. Manufacturer's product data for anchors, epoxy adhesive systems, stainless steel hardware, and related materials.
- B. Alloy certifications and mill certificates for stainless steel hardware
- C. Certificates of compliance and supporting manufacturer documentation demonstrating compliance with the specified material and corrosion resistance requirements

PART 1 – GENERAL

2.01 MATERIALS

- A. All fender system, bull rail, and cleat anchor bolts, nuts, and washers shall be duplex 2205 stainless steel alloy.
- B. Cleats shall be Bluewater Marine & Dock Specialties, Inc., or approved equal. Counterbores shall be provided to recess anchor bolts and hex nuts with flat washers flush with top of cleat.
- C. Fillets shall have at least 1/2 inch radius. Edges shall be rounded to at least 1/4" radius. No sharp corners or edges shall be allowed. Finish shall be smooth and free of sharp or rough edges. Sand or grind faces to true plane prior to galvanizing for steel cleats. Sand or grind faces smooth and flush for aluminum alloy cleats.
- D. Epoxy for filling counterbores shall be a marine grade polyurethane sealant.
- E. Epoxy for anchor bolts in bulkhead shall conform to ASTM C881, Type IV or V (Structural Uses), Class C, Grade 2 or 3.

PART 3 – EXECUTION

3.01 INSTALLATION

Fender hardware, bull rail hardware, and cleats shall be installed at locations and in accordance the Contract Drawings. Field drill and install anchor bolts in epoxy grout where installing cleats to existing concrete or masonry.

***** END OF SECTION *****