

**SECTION 11 13 13
LOADING DOCK BUMPERS**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 specification section, apply to work of this section

1.2 SECTION INCLUDES

- A. Dock bumpers of reinforced rubber with attachment frame.

1.3 SUBMITTALS FOR REVIEW

- A. Section 01 33 00 – Submittals Procedures
- B. Product Data: Indicate unit dimensions, method of anchorage, and details of construction.
- C. Manufacturer Installation Instructions: Indicate special installation requirements.

PART 2 PRODUCTS

2.1 COMPONENTS

- A. Laminated Bumpers: Rectangular, laminated rubber pads, compressed in position with two galvanized steel rods with threaded ends, washers, and nuts; galvanized steel angle end plates.
 - 1. Projection from wall: 6"
 - 2. Vertical height: 10"
 - 3. Length: 24"
- B. Molded Bumpers: Molded rubber, polyester and nylon reinforced, minimum Shore A Durometer of 70, tensile strength of 950 to 1050 PSI, 95% impact recovery per ASTM 1170:
 - 1. Thickness from wall: 4"
 - 2. Vertical height: 13"
 - 3. Width: 10"
- C. Attachment Hardware: 3/4" diameter galvanized bolts and expansion shields; "L" shaped anchor rods for casting into concrete.
- D. Touch-up Primer: Zinc rich type

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions under provisions of Section 01 31 00.
- B. Verify that anchor placement is acceptable.

3.2 PREPARATION

- A. Provide integral anchors for concrete placement.

3.3 INSTALLATION

- A. Install dock bumpers in accordance with manufacturer's instructions.
- B. Set plumb and level.
- C. Secure angle end frames to concrete.

END OF SECTION