**SECTION 11 13 13**

**LOADING DOCK BUMPERS**

**PART 1 GENERAL**

1. RELATED DOCUMENTS
	1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division‑1 specification section, apply to work of this section
2. SECTION INCLUDES
	1. Dock bumpers of reinforced rubber with attachment frame.
3. SUBMITTALS FOR REVIEW
	1. Section 01 33 00 – Submittals Procedures
	2. Product Data: Indicate unit dimensions, method of anchorage, and details of construction.
	3. Manufacturer Installation Instructions: Indicate special installation requirements.

**PART 2 PRODUCTS**

1. COMPONENTS
	1. 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"
	2. 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"
	3. Attachment Hardware: 3/4" diameter galvanized bolts and expansion shields; "L" shaped anchor rods for casting into concrete.
	4. Touch-up Primer: Zinc rich type

**PART 3 EXECUTION**

1. EXAMINATION
	1. Verify existing conditions under provisions of Section 01 31 00.
	2. Verify that anchor placement is acceptable.
2. PREPARATION
	1. Provide integral anchors for concrete placement.
3. INSTALLATION
	1. Install dock bumpers in accordance with manufacturer's instructions.
	2. Set plumb and level.
	3. Secure angle end frames to concrete.

END OF SECTION