

PART 1 - GENERAL**1.1 SUMMARY**

- A. WORK INCLUDED
 - 1. Factory assembled unit.
 - 2. Installation and Owner's Manual
- B. RELATED WORK
 - 1. Section 11 13 13 - Dock Bumpers.
- C. REFERENCES
 - 1. CS202-56.
 - 2. A.N.S.I. MH-14.1. 1 – 1984
- D. DESCRIPTION (APPLICATION)
 - 1. Product: Fully hydraulic dock leveler – Series H1 Model _____.
 - 2. Dock Leveler Size - Designed for a nominal pit size of _____" wide x _____" long.
 - A. Dock leveler pit depth shall be - front _____" back _____".
 - 3. Capacity: _____ lbs.
 - 4. Voltage: _____ Phase: _____.

1.2 SUBMITTALS

- A. General: Submit in accordance with Section 01 33 00.
- B. Product Data: Submit for hydraulic dock leveler.
- C. Submit dimensional detail.
- D. Provide rough-in drawings for electrical service in advance of concrete work.
- E. Submit specification.

1.3 QUALITY ASSURANCE

- A. Single Source Responsibility: Provide each component of individual dock leveler per particular type by same manufacturer.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this Section with minimum ten years' experience.
- C. Installer Qualifications: Approved in writing by manufacturer.

PART 2 - PRODUCTS**2.1 ACCEPTABLE MANUFACTURERS AND MODEL**

- 1. Series H1 Hydraulic Dock Leveler by Chalfant Sewing Fabricators, Cleveland, OH. Contact: <http://www.ChalfantUSA.com> for project quote.

2.2 EQUIPMENT

- A. CONSTRUCTION: The platform shall be ¼" thick, 55,000 lb. minimum yield steel tread plate. Platform support shall be structural steel "C" channel welded at front of leveler to full width header plate. No formed sheet metal shapes will be acceptable. Lip shall be ½" thick (5/8" thick on 35K and above), 55,000 lb. minimum yield steel tread plate with a projection beyond the platform edge of 16" and 12" beyond the bumpers. Lip hinge pin shall be 1 1/8" cold rolled CF1045 steel shaft. Hinge tubes are 2" I.D. seamless with grease fittings. Exclusive structural base frame safety struts will transfer unsupported load forces into the pit floor rather than the embedded angle in case of premature truck departure. Toe guards shall be full range telescoping type as standard.
- B. OPERATION: Fully automatic deck and lip actuation. Single push button remote controls all stages of operation. When button is depressed leveler will raise and lip will extend. When

button is released, unit will descend, lip will automatically retract and leveler will return to stored position. H1 series automatically returns to safe, cross traffic position when truck departs via solid state proximity sensors. No limit switches to be accepted.

- C. **CHARACTERISTICS:** Unit shall have a working range of 12" above and 12" below dock level. A velocity fuse, or in line safety stop, is standard and shall provide positive stop in case of premature truck departure. Ramp to be recyclable with truck in position at dock. Cross traffic support and night lock security to be provided by lip stored in lip keepers. Deck to compensate (tilt) a maximum of 4" from side to side to service out of level trucks. Levelers and warranty shall meet or exceed the performance requirements of CS202-56., O.S.H.A. and ANSI MH-14.1. 1 – 1984. .
- D. **DOCK BUMPERS:** Two per dock leveler.
- E. **WARRANTY:** Unit shall include the manufacturers standard (1) one year warranty against defects in materials and workmanship on the remaining components.
- F. **OPTIONS:**
 - () Brush type weatherseals.
 - () 18" Dock leveler lip.
 - () 20" Dock leveler lip.

PART 3 EXECUTION

3.1 INSTALLATION

1. Install in accordance with manufacturer's instructions.
2. Paint welds with touch-up paint.