



Architectural Specification

Nordock TRUCK-LIFT™ Series – Model TL Hydraulic Truck Levelers

Lifting Capacity: 60,000 Pounds
Clear Deck Width: 10 Feet
Available Deck Lengths: 14, 16 & 20 Feet
Types: SM Model – Surface Mounted
PM Model – Pit Mounted

SECTION 11161
DOCKLEVELERS

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Factory assembled truck leveler with platform, hydraulic activators, electric controls, and cast in rear channel.
- B. Curb angles and conduits (pit mounted models only).
- C. Installation and Owner's Manual.

1.02 RELATED WORK

- A. Section 11160 - Truck Restraints.
- B. Section 11161 – Dock Levelers
- C. Section 11164 - Seals and Shelters.
- D. Section 11165 - Dock Bumpers.

1.03 SYSTEM DESCRIPTION

- A. Hydraulic truck leveler to the following requirements:
 - 1. Deck Size: 120" wide x (_____) long.
 - 2. Capacity: 60,000 Pounds.
 - 3. Service Range: Level with grade to (_____)” above at building end.
 - 4. PM Model Surface Mounted _____ ; SM Model Pit Mounted _____

1.04 SUBMITTALS

- A. Submit Manufacturer's installation instructions.
- B. Submit drawings showing all openings, pit dimensions, cast in plates, curb steel, bollard size and locations, critical load locations, and size and location of embedded conduits.
- C. Submit drawings showing all installed equipment in prepared pits and openings.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. TRUCK-LIFT Series - Model TL (_____) as manufactured by Nordock Inc.

2.02 EQUIPMENT

- A. Cast in Steel (Pit Mounted Model):
 - 1. Rear Channel: 8" @ 11.5 with factory welded concrete anchors and hinge lugs.
 - 2. Curb Angles (Optional): 4 x 4 x 3/8 inch angle iron with concrete anchors to cover remaining pit edges.
- B. Truck Leveler:
 - 1. Deck: Minimum 3/8" thick 50,000 psi-yield steel tread plate, reinforced with wide flange steel structural beams. Lift enclosures to be constructed of 3/4" plate with maximum height above deck of 36". Sides of deck to be tapered to provide a toe relief section. Minimum four rear hinge pins constructed of 1 1/2" diameter hard chrome 75,000 psi-yield material.
 - 2. Ramp (Surface Mounted Model): 120" wide x 36" long with 3/8" thick steel tread plate top deck with reinforcement ribs, hinge lugs and driveway anchor plates.
 - 3. Hydraulic Cylinders: Deck is powered with synchronized lifting cylinders to ensure level raising and lowering at all times. Hydraulic cylinders to be constructed with hard chrome plated and polished chrome rod, guide bearing, spherical bearing, and high-pressure low-friction seals. Cylinders to be equipped with a velocity fuse to stop downward deck movement if the supply pressure is interrupted. Connection hoses to be SAE 100R2 high-pressure with factory crimped fittings.
 - 4. Power Unit: A remote mounted assembly with gear pump powered by a direct-coupled 5 horsepower 3 phase totally enclosed fan cooled motor. Include solenoid valve, filters, filler strainer, valve manifold, pressure relief valve, flow control valve and check valve. Reservoir to have minimum 8-gallon capacity and be constructed from galvanized steel with floor mounting feet. Factory fill with low temperature hydraulic oil to operate to -50 degrees Celsius.

5. Finish: All surfaces to be degreased, primed and painted with high solid machinery enamel. Provide standard manufacturer's color.

C. Options

1. Heat Tracing: Provide factory installed 120-volt heat tracing routed under deck structure in enclosed tubing to keep deck clear in winter conditions.
2. Truck Guides: Provide 10" high barriers on the outside edges of truck leveler deck to ensure truck tires are entirely on deck surface.

PART 3 EXECUTION

3.01 PREPARATION

- A. Provide cast in rear channel and curb angles for setting pit edges.

3.02 INSTALLATION

- A. Install in prepared pit in accordance with manufacturer's instructions.
- B. Adjust installed unit for operation as specified by Manufacturer.