

SECTION 11 13 00 - LOADING DOCK EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. **KROGER DIRECT BUY PROGRAM**

a. The Kroger Co. will supply and install the following items:

1) **Material:**

- a) Dock bumpers.
- b) Metal hood with gutter.
- c) Truck restraints (wheel chocks).
- d) Dock seals.
- e) Dock door protectors.

2) **Labor:** Installation by the Owner for the following:

- a) Dock bumpers.
- b) Metal hood with gutter.
- c) Truck restraints (wheel chocks).
- d) Dock seals.
- e) Dock door protectors.

b. The Kroger Co. will supply the following items to be installed by the Contractor:

1) Dock light and swing arm.

c. Contractor supplied items:

- 1) Dock light support components, accessories and other items not provided by Owner necessary for a complete installation.

1.2 SUBMITTALS

A. The Owner will post the following information on the Owner's Project Management Website (PMW) for the Contractor's use in preparing the substrate:

- 1. Product Data: For dock equipment.
- 2. Shop Drawings: Plans, elevations, sections, details, hardware mounting heights, and attachments to other work.

1.3 WARRANTY

- A. Warranty information for loading dock equipment is specified in Division 01 Section "Product Warranties."

PART 2 - PRODUCTS

2.1 LOADING DOCK EQUIPMENT (SUPPLIED BY OWNER/INSTALLED BY OWNER)

- A. Kroger Account Representative: Refer to Division 01 Section "Vendor Contact List."
- B. Dock Bumpers
1. Molded-Rubber Bumpers Insert drawing designation: Fabricated from molded-rubber compound reinforced with nylon, rayon, or polyester cord; with Type A Shore durometer hardness of 80, plus or minus 5, when tested according to ASTM D 2240; of size and configuration indicated. Fabricate units with not less than two predrilled anchor holes.
 - a. Configuration: Rectangular, as indicated on Drawings.
 - b. Thickness: 4 inches (102 mm).
- C. Foam-Pad Dock Seals
1. General: Dock seals consisting of fabric-covered foam pads designed to compress 4 to 5 inches (102 to 127 mm) under pressure of truck body to form an airtight seal at jambs and head of loading dock openings; of type, size, and construction indicated.
 - a. Product: Rite Hite Environmental Enclosures-Classic Dock Seal.
 2. Door Opening Size: As indicated on Drawings.
 3. Adjustability: Adjustable head curtain or a fixed head pad-dependent on the height of the door opening
 4. Jamb Pads: 6 inch (152 mm) Backer/13 inch (330 mm) Face with 10 inches (254 mm) of projection.
 5. Construction: Consisting of single- or double-ply, coated, fabric-covered, fire-retardant urethane-foam core with supporting frame. Fabricate jamb and head pads of same depth and sized for opening width.
 - a. Pressure-Treated Wood Support Frame: Factory painted; with steel mounting hardware.
 - b. Cover Fabric: 22 oz. base FR foam and fabric. 40 oz. FR Fabric, 8 inch (203 mm) exposure pleats.
 - 1) Color: Black.
 - c. Guide Strips: 4-inch- (102-mm-) wide, yellow, coated, nylon guide strips on jamb pads, bottom only.
- D. Metal Hood

1. Manufacturer: Rite Hite.
2. Description: Metal hood 10 feet (3.048 m) wide by 7 inches (178 mm) high with 18 inches (457 mm) projection with 2 inch (50 mm) by 2 inch (50 mm) integral formed gutter.
3. Material: 18 gage Galvanized steel.

E. Wheel Chock

1. General: Molded rubber, formed from proprietary fabric reinforced rubber compound.
2. Product: Durable Corporation; Model 68-9.
3. Size:
 - a. Length: 9 inches (229 mm).
 - b. Thickness 8 inches. 8 inches (203 mm).
 - c. Height: 6 inches. 6 inches (152 mm).
 - d. Weight: 10 lbs. 10 lbs. (4.5 kg).
4. Color: Black.
5. Quantity: Two per dock door.
6. Accessories:
 - a. Steel chains, manufacturer's standard, 15 feet (4.6 m) long.
 - b. Safety sign.

F. Loading Dock Door Protector

1. Tilting bollard that protects overhead door when gate is down and the track when gate is up.
 - a. Product: McCue Corporation; CartStop LDP36.
 - b. Material: Heavy-duty steel.
 - c. Length: 36 inches (914 mm).
 - d. Finish: Powder coat.
 - e. Color: Safety yellow.

2.2 LOADING DOCK EQUIPMENT (SUPPLIED BY OWNER/INSTALLED BY CONTRACTOR)

A. Swing Arm Dock Light

1. Refer to Division 01 Section "Vendor Contact List" for information on swing arm dock light.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of loading dock equipment.

3.2 INSTALLATION (CONTRACTOR RESPONSIBILITIES)

- A. Preparation: Prepare and coordinate openings ready for installation of dock equipment by Owner's Installer.
- B. Swing Arm Dock Light: Install per manufacturer's written instructions and Kroger Standard Detail ASD-62 and ASD-62A.
 - 1. Refer to Division 26 Section "Lighting" for any hanging or other miscellaneous lighting installation requirements.

3.3 INSTALLATION (OWNER'S INSTALLER RESPONSIBILITIES)

- A. General: Install loading dock equipment, including safety devices and accessories as required for a complete installation.
- B. Dock Bumpers: Attach dock bumpers to face of loading dock in a manner that complies with requirements indicated for spacing, arrangement, and position relative to top of platform and anchorage.
- C. Dock Seals: Attach dock-seal support frames securely to building structure in proper relation to openings, dock bumpers, and dock levelers to ensure compression of dock seals when trucks are positioned against dock bumpers.
- D. Loading Dock Door Protector: Attach loading dock door protector in a manner that complies with requirements indicated for spacing, arrangement, and position relative to guide rails and doors. In the upright position, the loading dock door protector should be approximately **1 inch (25.4 mm)** in front of the guide rails and the arm at least **1/2 inch (13 mm)** away from inside rail area.

3.4 ADJUSTING

- A. Adjust loading dock equipment to function smoothly and safely, and lubricate as recommended by manufacturer.
- B. After completing installation of exposed, factory-finished loading dock equipment, inspect exposed finishes and repair damaged finishes.

3.5 DEMONSTRATION

- A. Engage installation technician to train Owner's personnel to operate loading dock equipment.

END OF SECTION 11 13 00