

**The Genuine. The Original.**



**SECTION 111319  
FIXED DOCK SEAL SPECIFICATION**

**NOTE:** Enable Microsoft Word option to display hidden text to view notes to specifier.

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Fixed dock seals.
- B. Maintenance.

**1.02 RELATED REQUIREMENTS**

- A. Section 031000 - Concrete Forming and Accessories: Placement of seal and shelter frame into concrete.
- B. Section 033000 - Cast-in-Place Concrete.
- C. Section 111316 - Loading Dock Seals and Shelters.

**1.03 REFERENCE STANDARDS**

- A. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification 2021.
- B. AWS D1.1/D1.1M - Structural Welding Code - Steel 2020, with Errata (2022).

**1.04 SUBMITTALS**

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide materials and finish, installation details, roughing-in measurements, and operation of unit.
- C. Shop Drawings: Indicate required opening dimensions and tolerances, perimeter conditions of construction.
- D. Shop Drawings: Indicated framed wall opening, dimensions and tolerances, adjacent construction and fittings required for anchorages, and anchor points.
- E. Samples: Submit **[two]** **[\_\_\_\_\_]** cuts of **[seal]** **[shelter]** **[\_\_\_\_\_]** covering material, \_\_\_\_ by \_\_\_\_ inch (\_\_\_\_ by \_\_\_\_ mm) in size, illustrating color and finish.
- F. Manufacturer's Instructions: Indicate special requirements.
- G. Manufacturer's Qualification Statement.
- H. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated within the previous **[12 months]** **[\_\_\_\_\_]**.
- I. Installer's Qualification Statement.
- J. Operation Data: Provide operating instructions, and identify unit limitations.
- K. Maintenance Data: Provide unit maintenance information, lubrication cycles, and spare parts manual.

**1.05 QUALITY ASSURANCE**

- A. Welder Qualifications: Welding processes and welding operators qualified within previous **[12 months]** **[\_\_\_\_\_]** in accordance with AWS D1.1/D1.1M.

- B. Installer Qualifications: Company specializing in performing work of type specified and with at least **[three]** [\_\_\_\_\_] years of **[documented]** experience **[and approved by manufacturer]**.

## 1.06 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer agrees to correct defective work within one year period from Date of Substantial Completion.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

- A. Acceptable Manufacturer:
1. Overhead Door Brand; www.overheaddoor.com; 1 (800) 929-3667.

### 2.02 FIXED DOCK SEAL

- A. **<drawing designation>**: Model LX10R by Overhead Door Brand.
1. Height: \_\_\_\_\_.
  2. Width: \_\_\_\_\_
  3. Projection: \_\_\_\_\_.
    - a. Taper up ( 8 inches to 20 inches (203 mm to 508 mm)) or down ( 8 inches to 20 inches (203 mm to 508 mm)).
    - b. Project Box Option: **[4 inches (102 mm)] [6 inches (152 mm)] [8 inches (203 mm)] [10 inches (254 mm)] [12 inches (305 mm)]**.
  4. Cushion: Fire retardant foam for full depth of seal; tapered at jambs. Full compression and recovery required to temperatures below -40 degrees F (-40 degrees C).
    - a. Continuously bonded to backing with flexible, non-flammable adhesive.
  5. Covering Material: Fabric which remains flexible to -40 degrees F (-40 degrees C).
    - a. Covering Weight: 22 oz/sq ft (6.7 kg/sq m).
    - b. Covering Color: **[Black] [Blue] [Gray] [Green] [\_\_\_\_\_] [Brown]**.
  6. Covering Material: Fabric which remains flexible to -40 degrees F (-40 degrees C).
    - a. Covering Weight: **40 oz/sq ft (12.2 kg/sq m)**.
    - b. Covering Color: **[Black] [Blue] [Gray] [Green] [Red] [Brown]**.
  7. Premium Abrasion-Resistant Covering Material: Fabric which remains flexible to -40 degrees F (-40 degrees C).
    - a. Covering Weight: **40 oz/sq ft (12.2 kg/sq m)**.
    - b. Abrasion Resistance: 6 times more abrasion resistant than standard covering material.
    - c. Covering Color: Black.
  8. Header: Fixed air vented construction.
    - a. Header Height: **[12 inches (305 mm)] [15 inches (381 mm)] [18 inches (457 mm)]**.
  9. Vertical Columns: **[10/10: 10 inch (254 mm) back column, 10 inch (254 mm) front column] [12/12: 12 inch (305 mm) back column, 12 inch (305 mm) front column] [8/11: 8 inch (203 mm) back column, 11 inch (279 mm) front column] [8/14: 8 inch (203 mm) back column, 14 inch (356 mm) front column] [12/15: 12 inch (305 mm) back column, 15 inch (381 mm) front column] [12/18: 12 inch (305 mm) back column, 18 inch (457 mm) front column]**.
  10. Seams: Mechanically double stitched; double ply at exposed face.
  11. UV Protection: Treat all fabrics and thread with UV protection for fade resistance.
  12. Bottom Dock Seal: **[Same construction as above]** [\_\_\_\_\_] .
    - a. Length: **[4 feet (1219 mm)] [8 feet (2438 mm)]**.
  13. Curtain: To accommodate additional variation in trailer heights.
    - a. Installation: Velcro holding capability.
    - b. Fabric: **[Match seal fabric] ["Low temperature" PVC material for cold applications]**.

- c. Drop Length: **[12 inches (305 mm)] [18 inches (457 mm)] [24 inches (610 mm)]**.
- 14. Column Double Fabric Layer: **[None required] [Matching fabric dual layer required]**.
- 15. Draft Control: 2 bottom draft flaps.
- 16. Frame Construction (Top and Sides): **[Treated wood] [Galvanized steel]**.
- 17. Guide Stripe: **[24 inches (610 mm) high] [Full height]**.
- 18. Column Fabric Scuff Guard: **[None required] [40 oz. premium fabric scuff guards required]**.
- 19. Security Seal: **[Required] [Not required]**.
- 20. Wear Pleats: **[Not required] [Matching fabric pleats required]**.
- 21. Corner Wear Pleats: **[Not required] [66 oz premium fabric pleats required]**.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify **[existing conditions] [and] [\_\_\_\_\_]** meet the manufacturer's requirements before starting work.
- B. Examine loading dock equipment area for compliance with requirements for installation tolerances and other conditions related to this work.
- C. Verify that rough-in wall opening and anchors are acceptable, correctly sized, and aligned to proper tolerances.
- D. Verify that frames installed in concrete and masonry are correctly located.
- E. Proceed with installation after unsatisfactory conditions have been corrected.

### **3.02 PREPARATION**

- A. Prepare loading dock equipment for size and locations as indicated, and provide anchoring devices with templates, diagrams, and installation instructions.

### **3.03 INSTALLATION**

- A. Install **[seal] [and] [shelter]** components in accordance with manufacturer's instructions.
  - 1. Set plumb and level.
  - 2. Attach anchors and fittings to prepared wall construction and opening frame.

### **3.04 ADJUSTING**

- A. After installation, inspect exposed factory finished loading dock equipment, and repair damaged finishes.

### **3.05 CLEANING**

- A. See Section 017000 - Execution and Closeout Requirements for additional requirements.

### **3.06 PROTECTION**

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

### **3.07 CLOSEOUT ACTIVITIES**

- A. See Section 017800 - Closeout Submittals, for closeout submittals.
- B. See Section 017900 - Demonstration and Training, for additional requirements.

### **3.08 MAINTENANCE**

- A. See Section 017000 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

**END OF SECTION**