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**SECTION 111319
FIXED DOCK SHELTER 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 shelters.
- 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 SHELTER

- A. **<drawing designation>**: Model TX40R by Overhead Door Brand.
1. Width: 11 feet (3353 mm) minimum to 12 feet 8 inches (3861 mm) maximum.
 2. Height: 11 feet (3353 mm) minimum to 12 feet 6 inches (3810 mm) maximum.
 3. Projection: **[24 inches (610 mm)] [36 inches (914 mm)] [48 inches (1219 mm)] [60 inches (1524 mm)]**.
 4. Frame Construction (Top and Sides): **[Treated wood] [Galvanized steel]**.
 5. Side and Top 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. Side and Top 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 Side and Top 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. Vertical Panel Upgraded Seal Accessories: **[Required] [Not required]**.
 9. Seams: Mechanically double stitched; double ply at exposed face.
 10. UV Protection: Treat all fabrics and thread with UV protection for fade resistance.
 11. Curtain Drop: _____.
 12. Draft Control: 2 draft control pads. Projection: **[24 inches (610 mm)] [36 inches (914 mm)] [48 inches (1219 mm)] [60 inches (1524 mm)]**.
 13. Mounting: Galvanized mounting hardware and stabilizing bracket.
 14. Steel Guards (Shelter Bumpers): Manufacturer's standard double guards.
 15. Guide Stripes: **[Partial height] [Full height]**.

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.
- B. Clean recessed pits of debris.

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