SECTION 11 13 00
LOADING DOCK EQUIPMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

** NOTE TO SPECIFIER ** Delete items below not required for project.

    A. MRI Shelter: (Medical Series):
       1. MRI air shelter.

1.2 RELATED SECTIONS

** NOTE TO SPECIFIER ** Delete any sections below not relevant to this project; add others as required.

    A. Section 03 30 00 - Cast-in-Place Concrete.

    B. Section 05 50 00 - Metal Fabrications.

    C. Section 26 05 48 - Vibration and Seismic Controls for Electrical Systems.

1.3 REFERENCES

** NOTE TO SPECIFIER ** Delete references from the list below that are not actually required by the text of the edited section.

    A. American National Standards Institute (ANSI):
       1. ANSI MH29.1 - Industrial Scissor Lifts.
       2. ANSI MH30.1 - Industrial Loading Dock Boards (Ramps).
       3. ANSI MH30.3 - Vehicle Restraining Devices (Safety, Performance, and Testing).

    B. National Fire Prevention Association (NFPA): NFPA- 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

    C. US Green Building Council (USGBC): LEED Rating System.

1.4 SUBMITTAL

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
1. Preparation instructions and recommendations.
2. Storage and handling requirements and recommendations.
3. Installation methods.

C. Shop Drawings: Showing overall dimensions and location of electrical service panels and motor locations. Supporting construction requirements and equipment structural attachment. Operating range and required clearances.

D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

E. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

F. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment and periodic cleaning and maintenance of all components.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company providing sole source design, engineering, manufacturing and specializing in manufacturing products specified with a minimum 10 years experience.

B. Installer Qualifications: Installer trained, certified and approved by manufacturer, with documented experience on similar projects.

1.6 PRE-INSTALLATION CONFERENCE

A. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.8 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.9 SEQUENCING

A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.

B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10   WARRANTY

A.   Warranty: Submit manufacturer's standard limited warranty for product, materials and workmanship.

PART 2 PRODUCTS

2.1   MANUFACTURERS

A.   Acceptable Manufacturer: Perma Tech, Inc., which is located at: 363 Hamburg St.; Buffalo, NY 14204; Toll Free Tel: 800-362-7325; Tel: 716-854-0707; Fax: 716-854-0774; Email:request info (Info@PermaTechInc.com); Web:http://www.permatechinc.com

** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

B.   Substitutions: Not permitted.

C.   Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

** NOTE TO SPECIFIER ** Perma Tech Inflatable MRI AIR Shelter is designed to provide a weather protected enclosure between the MRI trailer and the building. In the extended position our high volume blowers hold the shelter firmly inflated against the trailer.

2.2   MRI INFLATABLE SHELTERS

A.   Basis of Design: Perma MRI Air Shelter as manufactured by Perma Tech Incorporated. Unit provides a seal between the medical facility and mobile MRI trailer. It seals around the doorway so patients being transported in and out of trailer are not exposed to weather and outside elements.
1.   Heavy duty track and trolley 12 point support system utilizes an enclosed "U" shaped zinc-plated steel track and steel wheeled trolleys with permanently lubricated stainless steel wheel bearings to suspend and support the inflated shelter. When retracted and secured with the tie-back straps the unit only projects several inches from the building wall.
2.   Air Chamber Fabric: 18 oz (510 grams) fire retardant vinyl. Color: Black.

** NOTE TO SPECIFIER ** Delete wall support frame not required.
3.   Wall Support Frame: Pressure treated wood.
4.   Wall Support Frame: 16 ga. galvanized steel.
5.   High Volume Blower Motor: 1/2 hp (373 W), 1200 cfm 115 V - 60 Hz, 7.3 Full-load amps, 1390 rpm. Maximum Inlet Temperature: 104 degrees F (40 degrees C).
   a.   Blower Placement : Top of shelter, on inside or outside wall.
   b.   Galvanized steel canopy over blower included.
   c.   Overall Dimensions (H x W x D): 15 x 12 x 13-1/8 inches (381 x 305 x 333 mm).
6.   When Retracted: Secured with tie-back straps.

** NOTE TO SPECIFIER ** Delete number of sides option not required.
7.   Number of Sides: Three.
8.   Number of Sides: Four. Additional Velcro mounted bottom piece.
9.   Controls: Available Leviton 15/20 amp heavy duty switch with a 3 hole 1/2 or 3/4 inch (13 or 19 mm) plastic wet location outlet box with toggle switch cover and toggle switch cover.