

**SECTION 14 42 34**

**PERFORMANCE WHEELCHAIR LIFT**

**PART 1 GENERAL**

**1.1 SUMMARY**

Section Includes: Performance Wheelchair Lift

**1.2 REFERENCES**

- A. 2010 ADA Standards for Accessible Design
- B. ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts

**1.3 SUBMITTALS**

- A. Submit under provisions of Section 01300
- B. Product Data: Manufacturer's data sheets on the product to be used, including:
  - 1. Preparation instructions and recommendations
  - 2. Storage and handling requirements and recommendations
  - 3. Installation methods
- C. Shop Drawings: Show dimensions and locations of all items including attachments to supporting structure required.

**1.4 CLOSEOUT SUBMITTALS**

- A. Approvals from authorities having jurisdiction
- B. Operations and Maintenance Manuals

**1.5 QUALITY ASSURANCE**

- A. Comply with ASME A18.1 Standard for lifts in public installations.
- B. Installer Qualifications: A company regularly engaged in the business of manufacturing, installing and serving wheelchair lifts of the type specified for at least 5 years, and with a history of successful installations acceptable to the Architect.

**1.6 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.

## 1.7 FIELD CONDITIONS

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 absolute limits.

## 1.8 WARRANTY

Limited 1-year warranty parts only.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: LIFT-U Div. of Hogan Mfg., Inc., 1520 First Street, Escalon, CA 95320. Tel: 209-838-2400 Sales – Fax: 209-691-0187  
Website: [www.lift-u.com](http://www.lift-u.com) E-Mail: [liftusales@lift-u.com](mailto:liftusales@lift-u.com)
- B. U.S. OWNED AND OPERATED: Manufacturer must be a registered U.S. owned company with its manufacturing operation located in the United States of America – American Owned, American Operated.
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Division 01 Section "Product Requirements".

### 2.2 PERFORMANCE LIFTS

Lift shall be "Accessor III (APL) Performance Lift".

- A. Comply with the following:
  - 1. ASME A18.1 standard for lifts in public installations.
  - 2. ADA requirements wheelchair lifts.
- B. Platform Guarding: Stationary runway sidewalls and landing entrance gate(s) as indicated on the drawings are provided by Owner or Owner's Representative.  
Minimum Height: As indicated on drawings, but not less than 42 inches (1067 mm).
- C. Platform Size: Platform size shall not exceed 18 sq. ft.
- D. Rated Load: 750 lbs. (340 kg) minimum rated capacity with a weight safety factor of not less than 5 based upon the rated load.
- E. Vertical Platform Speed: 10 feet (3.05 m) per minute nominal.
- F. Maximum Travel: 48 inches (1220 mm).
- G. Enclose mechanical and electrical mechanisms and protect them from the weather.
- H. Lift Mechanism: Electric, no hydraulics permitted. Carry lifting forces on 4 steel screw columns connected to platform for maximum stability.
- I. Power Requirements: Install dedicated breaker protected service 115 VAC, 3-wire, 15 amp, single-phase service supplied from building power source. Dedicated breaker protected service supplied by Owner or Owner's Representatives.
- J. Limit Switches: Equip lift with redundant upper and lower limit switches. Provide mechanical stops to limit travel in both directions.

- K. May include optionally available:
  - 1. Powered landing roll-up barrier
  - 2. Automatic Door Operator
- L. Fabrication: Construct lift of steel or aluminum structural frame with welded or bolted connections.
- M. Operation: Low voltage (24 VDC) operated with constant pressure control switches, designed to be easily operated by a person with limited dexterity according to ADA requirements.
- N. Controls: Equip lift with controls at the top, bottom landing and platform. Provide a security key switch to control unauthorized use.
- O. Emergency Stop Button: Provide an illuminated emergency stop button on platform control panel.
- P. Emergency Alarm System: Audible alarm that is automatically activated when the emergency stop button is depressed.
- Q. Limit Switches: Equip lift with redundant upper and lower limit switches.
- R. Battery: Provide backup battery
- S. Manual Lowering Device: Provide device to manually lower or raise the platform.
- T. Finishes: Apply metal surfaces with a corrosion resistant powder coating. Coordinate installation of floor and wall finishes applied to lift and specified in other sections. Refer to Finish Schedule for list of finishes.

### **PART 3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. Prepare report documenting unacceptable conditions.
- C. Submit report to Contractor.
- D. Do not proceed with work until corrective measures have been completed.

#### **3.2 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using methods recommended by manufacturer for achieving the best result for project conditions.

#### **3.3 INSTALLATION**

- A. Install in accordance with the following:
  - 1. Manufacturer's instructions
  - 2. Approved Shop Drawings
  - 3. Applicable regulations and codes

#### **3.4 FIELD TESTING**

Upon completion of installation and as a condition of acceptance, provide necessary equipment and personnel to perform tests required.

### 3.5 CLOSEOUT ACTIVITIES

- A. Secure required approvals from authorities having jurisdiction.
- B. Provide training of Owners personnel on proper use and operation of Wheelchair Lift.

### 3.6 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

### 3.7 MAINTENANCE

- A. Perform maintenance in accordance with manufacturer's recommended procedures
- B. Perform maintenance as needed to assure proper and safe operation and as needed to avoid damage.
- C. Perform the maintenance according to the following schedule:
  - 1. Cycle Testing for Special Access Lifts: Weekly (by Owner's Representative)
  - 2. Routine Maintenance: Every 6 months or as required by authority having jurisdiction, whichever is more frequent. (by Owner's Maintenance Service Provider or Licensed Service Provider)
  - 3. Periodic Maintenance: Every 5 years or as required by authority having jurisdiction, whichever is more frequent. (by Owner's Maintenance Service Provider or Licensed Service Provider)
  - 4. Submit maintenance logs to Owner immediately upon completion of each inspection and service call. (by Owner's Maintenance Service Provider or Licensed Service Provider)

**END OF SECTION**