

**SECTION 14 42 31**  
**WHEELCHAIR LIFT**  
**AUTOMATIC DOOR OPERATOR**

**PART 1 GENERAL**

1.1 SUMMARY

Section Includes: Wheelchair Lift Automatic Door Operator

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 - Tel: 937-836-6900 Fax: 937-836-6901  
Website: [www.lift-u.com](http://www.lift-u.com) E-Mail: [information@hoganmfg.com](mailto:information@hoganmfg.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 AUTOMATIC DOOR OPERATORS

- A. General: Automatic Door Operator shall be provided with an interlock to prevent automatic actuation when the doors are locked.
- B. Operators shall provide a control mechanism to soften the end of door travel during both opening and closing cycles.
- C. Operators shall be capable of recycling doors instantaneously to full open position from any point in the closing cycle when the control switch is activated.
- D. Operators shall, when automatic power is interrupted or shut-off, permit doors to easily open manually without damage to the automatic operator system.
- E. Operators shall have a self-contained electrical control unit, including necessary electronic components for proper operation and switching of power operation. All connecting harnesses shall have interlocking plugs.
- F. Electronic Controls
  - 1. The system shall provide a means to adjust hold open time (1-30 seconds) on doors that automatically close without user intervention.
  - 2. Locking Hardware: The system shall incorporate locking hardware at interior doors as required by ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts.
- G. Door Controls  
Opening and closing actions of doors shall be actuated by controls and safety devices specified.

H. Safety Devices

1. General: Area over which doors swing shall be a safety section and anyone standing in path of door's movement shall be protected by a safety device.
2. Comply with the following:
  - a. ASME A181.1 Standard for lifts in public installations
  - b. ADA requirements for wheelchair lifts.

I. Fabrication

Construct Door Operator of steel or aluminum structural frame with welded or bolted connections.

**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**