

SECTION 14 42 32
WHEELCHAIR LIFT
OPERABLE STEP / RAMP

PART 1 GENERAL

1.1 SUMMARY

Section Includes: Wheelchair Lift Operable Step / Ramp

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 E-Mail: 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 OPERABLE STEP / RAMP

- A. General: The Operable Step / Ramp is a device to provide both a rigid, fixed step for able-bodied use at the entrance to an elevated wheelchair lift platform and a properly sloped ramp to permit a wheelchair user to enter and/or exit the platform of a wheelchair lift. The Operable Step / Ramp is controlled by the wheelchair system logic and control circuitry through the use of wheelchair lift controls.
- B. The Operable Step / Ramp shall have a means to detect and stop actuation in the motion of travel during both raising and lowering of the step to prevent pinching or crushing anything under the ramp or when a person or wheelchair is on the ramp. Battery back-up power shall permit the Operable Step / Ramp to move to the proper position for a user to exit the wheelchair lift in case of the loss of building power.
- C. The Operable Step / Ramp shall be controlled by the sequencing of the wheelchair lift electrical control unit, including necessary electronic components for proper operation. All connecting harnesses shall have interlocking plugs.
- D. Safety Devices
 - 1. General: The Operable Step / Ramp shall be designed so that it remains locked in the step or ramp configuration until powered to move to the opposite configuration. The Operable Step / Ramp shall not be manually moved by use or intent.

- 2. Comply with the following:
 - a. ASME A181.1 Standard for lifts in public installations
 - b. ADA requirements for wheelchair lifts.
- E. Fabrication

Construct Operable Step / Ramp 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