

## SECTION 14425

### RISING OUT OF THE FLOOR LIFT

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

Rising Out of the Floor Lift.

##### 1.2 RELATED SECTIONS

Section 05500 – Structural Steel.

##### 1.3 REFERENCES

Section 16\_\_\_ - Electric Service.

ADA – Americans with Disabilities Act (1990)

ASME A18.1 - Safety Standard for Platform Lifts and Stairway Chairlifts.

ICC/ANSI A 117.1 - Accessible and Usable Buildings and Facilities.

ANSI/AWS D1.1 - Structural Welding Code.

##### 1.4 SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's data sheets on the product to be used, including:

Preparation instructions and recommendations.

Storage and handling requirements and recommendations.

Installation methods.

Shop Drawings: Show dimensions and locations of all items including attachment to supporting structure.

##### 1.5 QUALITY ASSURANCE

Rising out of the floor lift shall comply with ADAAG 2004.

Rising out of the floor lift shall comply with ASME A18.1 standard for lifts in public installations with variances as required by the governing agency.

Installer Qualifications: A company regularly engaged in the business of manufacturing, installing and servicing rising out of the floor lifts of the type specified and shall have a history of successful installations acceptable to the Architect.

##### 1.6 DELIVERY, STORAGE, AND HANDLING

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

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 PROJECT 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.  
Web Site: <http://liftu.hoganmfg.com> E-mail: [information@hoganmfg.com](mailto:information@hoganmfg.com)
- B. No substitution shall be considered unless written request for approval has been submitted and received by the architect at least (10) days prior to the bid date. Each substitution request shall include the name of the manufacturer, equipment drawings, performance and test data, listing of projects similar to scope, photographs of existing installations and design differences necessary for evaluation.

### 2.2 RISING OUT OF THE FLOOR LIFTS

- A. Rising out of the floor lift shall be the "Hidden Access Lift" Model HAL. Rising out of the floor lift shall comply with ASME A18.1 standard for lifts in public installations with variances as required by the governing agency.
  - 1. Platform Size: Platform shall be a minimum of 13.5 square feet (1.25 sm).
  - 2. Vertical lift shall travel up to 36 inches.
  - 3. Space requirement: 72 in. wide x 72 in. long x 24 in. deep shall be required to store stowed vertical platform lift under the lower level floor.
  - 4. Sidewalls shall be at least 38 in. high.
  - 5. Rated Load: Minimum rated capacity shall be 750 lbs. (340 kg) with a weight safety factor of not less than 5 based upon the rated load.
  - 6. Folding sidewalls shall be power operated with grab rail.
  - 7. Lower Landing: Platform shall be equipped with a power operated barrier guard 12 inches (300 mm) high. Guard shall have both mechanical and electrical contacts, which prevent operation of the platform unless the guard is in the guarding position.
  - 8. Controller shall monitor all safety sensors and stop lift if unsafe conditions are detected.
  - 9. All mechanical and electrical mechanisms shall be enclosed and protected from the elements.
  - 10. Power requirements: Dedicated breaker protected service 208/230 VAC, 3-wire, 20 amp, single phase service supplied from building power source. To be supplied by Owner or Owner's Representatives.
  - 11. Lift platform shall store beneath the floor until needed.
  - 12. Rated speed: 10ft/per minute maximum.
- B. Construction:
  - 1. Hydraulically powered / electronically controlled.
  - 2. Power Cart: Hydraulic motor assembly, manifold, and electrical control box to be mounted in a rolling power cart for ease of maintenance and storage.

3. Top landing may be supplied with a power operated barrier guard 12 inches (300mm) high. Guard will have both mechanical and electrical contacts to prevent operation of the platform unless the gate is properly closed. Guard to be supplied in an enclosure that can be mounted to the fascia below the upper landing.
  4. Battery Back-up in case of a power failure. Manual operating device is provided as standard equipment.
  5. Equipment Weight is 1600 lbs, which may require reinforcement of floors, walls or both in order to bear the loads associated with this unit. Anchor bolt drawings shall be furnished, locating the loads imparted to the structure. Evaluation of these loads and their effect on the structure as well as any reinforcement required is the responsibility of others.
  6. Construction: Rising out of the floor lift shall be constructed of welded or bolted steel panels and frames powder coated or plated for corrosion resistance.
- C. Operation: Rising out of the floor lift shall be operated by low voltage (24 VDC), constant pressure control switches, designed so that persons with limited dexterity can perform lift operation.
1. Controls: Rising out of the floor lift shall be equipped with controls at the top and bottom landings and platform. A security key switch is provided to prevent unauthorized use.
  2. Emergency Stop Button: Rising out of the floor lift shall have an illuminated emergency stop button on each control panel.
  3. Emergency Alarm System: Audible alarm shall be automatically activated when the emergency stop button is depressed.
  4. Limit Switches: Rising out of the floor lift shall be equipped with redundant upper and lower limit switches. Mechanical stops shall limit travel in both directions.
  5. Manual Lowering Device: Rising out of the floor lift shall include a device to manually lower the platform.
- D. Finish: All surfaces shall be provided with a corrosion resistant powder coating. Visible paneling and handrails will be supplied with a textured black finish. Other colors are available for an additional charge.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until the following has been verified:
1. Anchor bolt locations.
  2. Pit dimensions: Width, Length and Depth.
  3. Control Cabinet Enclosure is properly prepared.
  4. Check power requirements supplied by others.
- B. Notify Architect or Owners representative of unsatisfactory preparation of the above items before proceeding with installation.

### 3.2 PREPARATION

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

### 3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions and in strict accordance with the approved shop drawings and all pertinent regulations and codes.

### 3.4 FIELD TESTING

- A. Upon completion of the installation and as a condition of its acceptance, provide all necessary equipment and personnel to perform all tests required. Secure all required approvals from agencies having jurisdiction.

### 3.5 EQUIPMENT TRAINING

- A. Provide training of Owners personnel on proper use and operation of the "Rising Out of the Floor 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. Maintenance to be performed according to manufacturers recommended procedures.
- B. Procedures to be performed by a qualified individual and shall include (but not limited to) the following:
  1. Cycle testing: wheelchair lifts to be cycled on a weekly basis.
  2. Routine maintenance to be performed every 6 months or as required by the governing agency.
  3. Wheelchair lifts to be tested every 5 years or as required by the governing agency.
  4. Maintenance log to be made available for review during inspections.

END OF SECTION