

SECTION 14410

PEOPLE LIFTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Permanently-anchored pool access people lifts.
- B. Movable pool access people lifts.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast-In-Place Concrete.
- B. Section 16100 - Wiring Methods.
- C. Section _____ - _____.

1.3 REFERENCES

- A. NFPA 70 - National Electrical Code.
- B. UL - Underwriters Laboratories.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's catalog data, detail sheets, installation instructions, and maintenance requirements.
- C. Shop Drawings: Prepared specifically for this project; show dimensions of people lifts and interface with adjacent construction.
- D. Operating and Maintenance Data: Operating and maintenance instructions, parts lists, and wiring diagrams.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inspect equipment and materials upon delivery to assure that specified products have been received.

1.6 WARRANTY

- A. Manufacturer: Three-year warranty against defects in workmanship and materials under normal use and conditions.
- B. During warranty period, replace or repair defective parts without cost provided they are not caused by any of the following:
 - 1. Damage.
 - 2. Mishandling.
 - 3. Tampering.
 - 4. Unauthorized repair or adjustment.
 - 5. Electrical re-wiring.
 - 6. Improper line voltage.
 - 7. Overloading.
 - 8. Mechanical or electrical abuse.
 - 9. Surges caused by lightning or other Acts of God.
 - 10. Purchaser neglect.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Mengo Industries, Inc., 4611 Green Bay Road, Kenosha, WI 53144; ASD. Tel: (414) 652-3070, Fax: (414) 652-9910.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.
- D. Provide all people lifts from a single manufacturer.

2.2 EQUIPMENT

- A. Permanently-Anchored Pool Access People Lifts: Safe-Lift(R) Pool Access System, 500 pound (227 kg) capacity, requiring no water pressure or chains for support.
 - 1. Major Moving Parts: Stainless steel.
 - 2. Upright Chair: Polypropylene seat.
 - 3. Wheelchair Platform.
 - 4. Incline Stretcher.
 - 5. Electrically-operated by means of 24-volt UL-listed waterproof motor, including safety brake, stepped down from simple 110-volt current.
 - 6. Controller: Sealed, 6-volt, four-button.
 - a. Armrest controls.
 - b. Poolside attendant controls.

- B. Movable Pool Access People Lifts: Safe-Lift(R) Pool Access System, 500 pound (227 kg) capacity, requiring no water pressure or chains for support.
 - 1. Major Moving Parts: Stainless steel.
 - 2. Upright Chair: Polypropylene seat.
 - 3. Wheelchair Platform.
 - 4. Incline Stretcher.
 - 5. Electrically-operated by means of 24-volt UL-listed waterproof motor, including safety brake, stepped down from simple 110-volt current.
 - 6. Controller: Sealed, 6-volt, four-button.
 - a. Armrest controls.
 - b. Poolside attendant controls.

2.3 ACCESSORIES

- A. Anchor Bolts: Type 316 stainless steel, threaded, 3/8 inch (9.5 mm) diameter by 5 inches (127 mm) long; include nuts and washers.
 - 1. Quantity: 5 for each permanently-anchored unit.
 - 2. Quantity: 8 for each movable unit.
- B. Inserts: _____.
- C. Epoxy Capsules: _____.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Before starting installation, inspect substrates, verify critical dimensions, and examine conditions under which work is to be installed.
- B. Do not proceed with installation until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- C. Beginning installation constitutes acceptance of existing conditions and responsibility for satisfactory performance.

3.2 INSTALLATION

- A. General: Comply with manufacturer's instructions and recommendations for work required during installation.

1. Comply with the National Electrical Code for electrical work required during installation.
 2. Perform work with competent, skilled workers under the direct control and supervision of the installer's experienced foreman.
 3. Coordinate installation with the work of other trades.
- B. Supply all setting templates and diagrams for placement.
- C. Install anchors and anchor bolts.
1. Drill 1/2 inch (12.7 mm) diameter by 4 inch (100 mm) deep anchor bolt holes into pool deck in accordance with template.
 2. Clean holes thoroughly with shop vacuum or blow out with compressed air.
 3. Ensure that anchor holes are clean and dry until anchors are set.
 4. Set bolts using inserts.
 5. Set bolts using epoxy capsules.
 6. Set bolts using inserts or epoxy capsules.
- D. After bolts are set or cured, lift machine and carefully set down over bolts without damaging or dislodging bolts.
- E. After anchors are set or cured, roll machine directly over anchors without damaging or dislodging anchors.
- F. If anchors or anchor bolts are damaged or dislodged, remove machine and re-set anchors or bolts.
- G. Level machine using leveling shims supplied with machine or additional stainless steel washers. Check with 4-foot hand level.
- H. After machine is set and level, place washers over bolts, apply nuts, and tighten. Do not over-tighten.
- I. After machine is positioned and level, place bolts into anchors and tighten. Do not over-tighten.
- J. Install motors, operating controls, and all equipment and accessories to provide a quiet, smoothly operating installation, free from sway, oscillation or vibration.
- K. Lubricate operating parts as required by manufacturer.

3.3 FIELD QUALITY CONTROL

- A. Acceptance Testing: Upon completion of the installation and before permitting use of system, perform acceptance tests as required and recommended by code and governing authorities.
- B. Make necessary adjustments of operating devices and equipment to ensure smooth and accurate operation.

3.4 CLEANING

- A. Before final acceptance, clean surfaces in accordance with manufacturer's recommendations.
- B. At completion of installation, remove tools, equipment, and surplus materials from site. Clean work areas. Remove trash and debris.

END OF SECTION