

## SECTION 14400 - WHEELCHAIR LIFT CONSTRUCTION STANDARD

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### PART 1: GENERAL

#### 1.01 Related Sections:

1. Division 16 - Equipment Wiring Systems:
  - a. Electric power for starting, testing and adjusting chair lift equipment.
  - b. Fused disconnect switch or circuit breaker for chair lift per National Electric Code with feeder or branch wiring to controller.

#### 1.02 References:

1. ANSI/ASME B20.1/ - Safety Standard For Conveyor And Related Equipment. A18.1 / Safety Standard for Platform Lifts and Stairway Chairlifts.
2. IEEE C1 - National Electrical Safety Code.
3. Accessibility Requirements: State of Texas Accessibility Standards and ANSI 117.1.

#### 1.03 Project Record Documents:

1. Submit under provisions established in the project specifications, Division One requirements.
2. Accurately record actual locations of concealed items, conduit, and locations of components.

#### 1.04 Operation and Maintenance Data:

1. Submit under provisions established in the project specifications, Division One requirements.
2. Include a parts catalog with complete list of equipment replacement parts; identify each entry with equipment description and identifying code.
3. Provide technical information for servicing operating equipment.
4. Include legible schematic wiring diagrams of installed electrical equipment, and changes made in the Work. List symbols corresponding to identity or markings on machine room and hoistway apparatus.

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### 1.05 Quality Assurance:

1. Perform Work in accordance with ASME A18.1, ASME B20.1, AWS D1.1, and IEEE C1.

### 1.06 Qualifications:

1. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum ten years documented experience.
2. Installer: Company specializing in performing the work of this section and approved by Lift equipment manufacturer.
  - a. Maintain service facility locally, within 50 miles of project site.

### 1.07 Warranty:

1. Provide two-year warranty under provisions established in the project specifications, Division One requirements.
2. Warranty: Include coverage for Lift system, operating equipment, and devices.

### 1.08 Maintenance Service:

1. Furnish service and maintenance of Lift system and components for Ninety- (90) Days from date of Substantial Completion.
2. Examine monthly, clean, adjust, and lubricate all equipment.
3. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original equipment.
4. Provide emergency call back service during working hours during this maintenance period.
5. Perform maintenance work using competent personnel, under the supervision of the Lift installer.
6. Maintenance service shall not be assigned or transferred to any agent or Subcontractor.

## **PART 2: PRODUCTS**

### 2.01 Manufacturers:

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- a. Garaventa, Ltd.
- b. National Wheel-O-Vator
- c. Access Industries
- d. Inclinator Co. of America
- e. Concord Elevator Co.

**PART 3: EXECUTION**

3.01 Adjustments:

1. Adjust work under provisions established in the project specifications, Division One requirements.
2. Adjust for smooth acceleration and deceleration of Lift.

3.02 Cleaning:

1. Project Closeout: Cleaning installed work.
2. Remove protective coverings from finished surfaces.
3. Clean surfaces and components ready for inspection.

3.03 Protection of Finished Work:

1. Project Closeout: Protecting installed work.
2. Do not permit construction traffic within Lift after cleaning.

3.04 Demonstration and Instructions:

1. Project Commissioning: Demonstrating installed work.
2. Demonstrate equipment operation in presence of Owner's representative.
3. Owner will provide QEI Inspector.

END OF STANDARD 14400