

**SECTION 14 45 00
AUTOMOBILE LIFT SYSTEM**

PART 1 GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to work in this section.

1.2 DESCRIPTION OF WORK

- A. Provide a Two Post Symmetrical Lift System as specified herein or as shown on the drawings.
- B. Provide a Four Post Alignment Lift System as specified herein or as shown on the drawings.

1.3 REFERENCES

- A. OSHA – Occupational Safety and Health Administration
- B. ALI – Automotive Lift Institute

1.4 QUALITY ASSURANCE

- A. Manufacturer: Company specializing in manufacturing the products specified in this section with minimum 5-years documented experience.
- B. All parts and service support shall be available within 24 hours.

1.5 SUBMITTALS

- A. Provide data on unit construction, size, configuration, jointing methods, and attachment method.
- B. Provide manufacturer's installation instructions, indicating any special installation criteria to interface with adjacent components.

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable Code requirements.

1.7 WARRANTY

- A. 5-years on the drive screw and nut
- B. 1-year on all other parts and labor

PART 2 PRODUCTS

2.1 TWO POST LIFT SYSTEM

- A. Provide a Two Post Automobile Lift System, Model # S9E2i, as manufactured by Rotary Lift having a 9,000 lb. lift capacity, or approved equal per section 01 60 00.

- 1. The lift shall be a surface mount model bearing the Automotive Lift Institute label (ALI) for conformance to ANSI standards.

- B. Installed equipment shall meet the following requirements:

- 1. Rise: 78"
- 2. Lifting Capacity: 9,000 lb.
- 3. Overall Height: 13'-8"
- 4. Overall Width: 11'-5⁵/₈"
- 5. Drive Thru Clearance: 102"
- 6. Distance Inside Columns: 114¹/₂"
- 7. Floor to Overhead Switch 13'-4"

- C. Mechanical Lifting and Equalization System:

- 1. Lift and equalize the system with non-load bearing cables for equalization of carriages.
- 2. Posts shall be adjustable to allow flexibility for the type of vehicles.
- 3. Provide an optical overhead sensor to prevent vehicles from rising too high.
- 4. Dual controls allow lift operation from either arm.
- 5. Three position flip-up adaptors for each arm.

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6. OSHA compliant lockable disconnect switch.
7. The power unit shall be self-contained with a 2-hp, 208-230V single-phase motor.
8. Accessories: Three position wheel-spotting dish.

2.2 FOUR POST LIFT SYSTEM

- A. Provide a Four Post Automobile Lift System, Model # AR012E2i, as manufactured by Rotary Lift having a 12,000,000 lb. lift capacity, or approved equal per section 01 60 00.
 1. The lift shall be a surface mount model bearing the Automotive Lift Institute label (ALI) for conformance to ANSI standards.
- B. Installed equipment shall meet the following requirements:
 1. Rise: 73¾"
 2. Lifting Capacity: 12,000 lb.
 3. Overall Length: 22'-9"
 4. Overall Width: 11'-5 9/16"
 5. Maximum Wheelbase: 206½"
 6. Distance Inside Columns: 114¼"
 7. Height of Columns: 7'-7⅞"
 8. Mechanical Lifting and Equalization System: OSHA compliant lockable disconnect switch.
 9. The power unit shall be self-contained with a 2-hp, 208-230V single-phase motor.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Coordinate with installation of Division 26.

3.2 PROTECTION OF FINISHED WORK

- A. Protect adjacent surfaces from damage by material installation.
- B. Protect installation during construction activities.

END OF SECTION