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'-5¾"
   5. Drive Thru Clearance: 102"
   6. Distance Inside Columns: 114½"
   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.
The School District of Palm Beach County
Project Name
SDPBC Project No.

6. OSHA compliant lockable disconnect switch.
7. The power unit shall be self-contained with a 2-hp, 208-230V single-phase motor.

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: 73½"
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'-7¼"
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