

# AVPL VERTICAL PLATFORM LIFTS

## PART 1 GENERAL

### 1.01 SUMMARY

A. A vertical platform (wheelchair) lifting device, manufactured by American Access Industries and Services, designed to provide access to or within a building for mobility impaired persons. Lift consist of a machine tower and lifting platform selected and dimensioned to provide adequate lifting height to suit building access requirements indoors and out.

### 1.02 REFERENCES

A. Lift shall be designed, manufactured and installed in accordance with the following standards:

1. American National Standards Institute (ANSI).
2. American Society of Mechanical Engineers (ASME).
3. Intertek Testing Services (ETL).
4. ADA Accessibility Guidelines (ADAAG).
5. International Building Code (IBC).
6. National Electric Code (NEC).

- 7. American Society for Testing Materials (ASTM).
- 8. American Welding Society (AWS).

### 1.03 SYSTEM DESCRIPTION

- A. Drive: DC powered hydraulic drive.
- B. 2 to 1 Chain lift.
- C. Number of stops: 2 or 3.
- D. Maximum Travel: 50", 72", 96, 120, 144, or 168.  
(specify)
- E. Rated Load: 750 lbs. with a minimum safety factor of 5X.
- F. Rated speed: 18-21 fpm. with rated load.
- G. Platform Size 36" x 48" with 42" high guard panels.
- H. Main power supply wiring: Electrical contractor shall provide 115 VAC. Single Phase, 15 amp. 60 Hz power circuit.
- I. Platform Configuration: Straight-thru.
- J. Operating Features:
  - 1. Platform Controls: Directional paddle switch, on/off key switch, emergency stop button with light and alarm.
  - 2. Landing Controls: Directional paddle switch and on/off key switch.

3. Constant pressure operation.
4. Grounded electrical system with upper, lower, and final limit switches and 24 v operating controls.
5. Platform underpanel equipped with obstruction sensors.
6. Adjustable limit switches.
7. Non-slip surface on platform floor.
8. Grab rail on platform. (optional)
9. Manual lowering device.
10. Slack cable brake device.

#### 1.04 Quality Assurance.

A. Manufacture: Provide wheelchair lift manufactured by a firm with employees that have an average 15 years of experience in the accessibility field.

B. All designs, clearances, workmanship and material, unless specifically accepted, shall be in accordance with all codes having jurisdiction.

C. All load ratings and safety factors shall meet or exceed those specified by governing agencies with jurisdiction.

D. Lift shall be subject to applicable state, local, and city approval prior to installation and subject to inspection after installation. Determination of the adherence to these regulations is the responsibility of the lift contractor.

E. Welders certified in accordance with requirements of AWS D1.1 shall perform all welding of all parts.

F. Substitutions: No substitutions permitted.

#### 1.05 WARRANTY

A. Manufacturer shall warrant the Access Lift vertical platform lift's drive system for a period of 4 years from the date of shipment. All other components for 2 years from the date of shipment.

#### 1.06 MAINTENANCE

A. The Access Lift vertical platform lift must be maintained in accordance with the manufacturer's instructions.

### PART 2 PRODUCT

#### 2.01 MANUFACTURER

A. Provide Access Lift vertical platform lift models AVPL 50, AVPL 72, AVPL 96, AVPL 120, AVPL 144, and AVPL 168. Manufactured by American Access Industries and Services