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Portable Handicap Lifts

Attended-Operated Lifts are not legal in North Carolina per the North Carolina Department of Insurance and therefore will not be approved by the NC Department of Labor, Elevator and Amusement Device Bureau.

As a result of our inspections on vertical wheelchair lifts in accordance with the ASME A18.1 Safety Code for Elevators and the National Electrical Code, 2005 edition, the following items are to be noted:

Manufacturers Test Data and Equipment Certification

1. Rule 2.1.6.2 - requires the electrical equipment to be certified to the requirements of CSA B44.1/ASME A17.5.

Inspection – National Electrical Code

1. Rule 2.1.6.1, Comply with the National Electrical Code, Article 620-51 and Article 305.

Inspection ASME A18.1

1. Rule 2.1.3.1 – A top landing door will not be required.
2. Rule 2.1.3.3 – Provide a vertical fascia from the upper landing sill to the lower landing sill.
3. Rule 2.1.3.4 – Both entrance and exit sides are to be equipped with platform doors and shall comply with Rule 2000.1b (3).
4. Rule 2.1.3.8 - A 2” electrical device to monitor the mechanical lock shall be provided.
5. Rule 2.1.3.6 – An obstruction device is supplied, however, it does not cover the entire underside. It appears that since the drive equipment is covered, the obstruction design will adequately protect the underside of the platform.

6. Rule 2.1.3.7 (6) – Lift is equipped with an upper ramp bridge that allows a clearance greater than ¾” between the platform and upper landing.
7. Rule 2.3.5 and 2.3.7 – Furnish certification that machine framework base is secured in place with support provided to maintain the device in a level position.
8. Rule 2.3.2 and 2.8 – Certify that the lift is a direct-plunger hydraulic, which is not required to be provided with a safety.
9. Rule 2.10.1 – Controls on car shall be controlled by a key; provide at each station.
10. Rule 2.10.1 – Certification from the engineer shall be provided stating compliance with these requirements.
11. Rule 2.11 – Provide an alarm bell. A variance may be applied for if lift will be furnished with an attendant at all times.