

**City of Los Angeles Department of Building and Safety
Elevator and Pressure Vessel Division
Periodic Wheelchair Lift Tests for Group IV**

Location of Wheelchair Lift _____ Address _____ Zip Code _____
 Wheelchair Lift State Number _____
 Wheelchair Lift Rated Load _____
 (Capacity in Pounds)

Group IV Periodic Test Requirements ASME A18.1-2003 10.3.1 One-Year Inspection and Test Requirements

	ASME A18.1	CHECK ONE BOX ONLY		
	GROUP IV	PASSED	FAILED	N/A
Cylinders that are exposed shall be visually inspected. Cylinders that are not exposed shall be tested. After a minimum of 15 min, a change in platform position that cannot be accounted for by visible oil leakage, valve leakage, or temperature change indicates a leak in the unexposed portion of the cylinder or the piping.	10.3.1.1			
All working parts of platform safeties shall be inspected to determine that they are in satisfactory operating condition.	10.3.1.2.1			
Safeties shall be subjected to the following tests with no load in the platform. Type A, B, or C governor-operated safeties shall be operated by tripping the governor by hand with the platform operating at the slowest operating speed in the down direction. In this test the safety shall bring the platform to rest promptly. In the case of Type A, B, or C safeties employing rollers or dogs for application of the safety, the rollers or dogs are not required to operate their full travel.	10.3.1.2.2(a)			
Governor-operated wood guide-rail safeties shall be tested by tripping the governor by hand with the platform at rest and moving the platform in the down direction until it is brought to rest by the safety, and the hoisting ropes slip on the traction machines or become slack on winding drum machines.	10.3.1.2.2(b)			
Type A and wood guide-rail safeties without governors, which are operated as a result of the breaking or slackening of the hoisting ropes, shall be tested by obtaining the necessary slack rope to cause it to function.	10.3.1.2.2(c)			
Governors shall be inspected and operated manually to determine that all parts, including those that impart the governor pull-through tension to the governor rope, operate freely.	10.3.1.3			
Slack-rope devices on winding drum machines shall be operated manually and inspected to determine conformance with the applicable requirements.	10.3.1.4			
Normal and final terminal stopping devices shall be inspected and tested to determine conformance with the applicable requirements.	10.3.1.5			
Where a rope, tape, or chain is used to connect the motion of the platform to the machine room normal limit, the switch that senses failure of this connection shall be tested.	10.3.1.6			
Slack-rope devices for roped-hydraulic lifts will be tested for conformance by lowering the platform or blocking and creating slack rope causing the device to operate. The slack rope can also be obtained by operation of the safety during the annual safety test.	10.3.1.7			
Group IV Periodic Test Requirements ASME A18.1-2003 10.3.2 Three-Year Inspection and Test Requirements				
Piston rods of roped water hydraulic lifts shall be exposed, thoroughly cleaned, and inspected for wear or corrosion. The piston rods shall be replaced if at any place the diameter is less than the root diameter of the threads.	10.3.2.1			
Group IV Periodic Test Requirements ASME A18.1-2003 10.3.3 Five-Year Inspection and Test Requirements				
Type B safeties shall stop the platform with the rated load within the required range of stopping devices for which the governor is tripped.	10.3.3.1(a)			
For Type A safeties and Type A safety parts of Type C safeties, there shall be sufficient travel of the safety rollers or dogs remaining after the test to bring the platform and its rated load to rest on safety application at governor tripping speed. A metal tag shall be attached to the safety-releasing carrier in a permanent manner, giving the date of the safety test together with the name of the person or firm who performed the tes	10.3.3.1(b)			

Group IV Periodic Test Requirements ASME A18.1-2003 10.3.3 Five-Year Inspection and Test Requirements continued on next page

Group IV Periodic Test Requirements ASME A18.1-2003 10.3.3 Five-Year Inspection and Test Requirements Continued

10.3.3.2 Governors

	GROUP IV	PASSED	FAILED	N/A
The tripping speed of the governor and the speed at which the governor overspeed switch, where provided, operates shall be tested to determine conformance with the applicable requirements and the adjustable means shall be sealed.	10.3.3.2.1			
The governor rope pull-through force shall be tested to determine conformance with the applicable requirements, and the adjustment means shall be sealed.	10.3.3.2.2			
After these tests, a metal tag indicating the date of the governor tests together with the name of the person or firm that performed the tests shall be attached to the governor in a permanent manner.	10.3.3.2.3			
The brake shall be tested by placing 125% of rated load in the platform and running it to the lowest landing by normal operating means. The driving machine shall safely lower, stop, and hold the platform with this overload.	10.3.3.3			
Ropes used on roped-hydraulic lifts shall be inspected. Coated rope shall be required to have a magnetic flux test capable of detecting broken wires in addition to a visual test.	10.3.3.4			
Wire rope fastenings on roped-hydraulic lifts utilizing hydraulic jacks equipped with pistons that are hidden by cylinder head seals shall also be inspected even if it is temporarily necessary to support the platform by other means and disassemble the cylinder head	10.3.3.5			

Test Performed By

Signature of Elevator Mechanic Printed Name, CCCM (State) License #, Los Angeles Journeyman License # & Expiration Dates

Elevator Company CQCC License # Expiration Date Date Test Was Completed

**Return To: City of Los Angeles
Department of Building and Safety Elevator and Pressure Vessel Division**