



Elevator Safety Program
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Acceptance Inspection Checklist

Construction-use Elevator Checklist

Passenger Elevators

Code References

- ASME A17.1, 2004 – Effective 4/1/2005
- Oregon Structural Specialty Code 2003 – Effective 10/1/2004
- Oregon Electrical Specialty Code 2005 – Effective 4/1/2005
- Oregon Plumbing Specialty Code – Effective 4/1/2005
- NFPA 72, 2002; Fire Alarm Systems
- NFPA 13, 2002; Sprinkler Systems

Note: Potential code violations are not necessarily restricted to this checklist.

The comments used in this checklist give direction only and are not intended to circumvent actual code language. Please refer to the appropriate standard as necessary to clarify any code issues that may arise during this inspection.

The codes referenced in this checklist are applicable to the elevator installation as of the effective date of April 1, 2005. If the structural or electrical permit was issued prior to April 1, 2005, the previous edition of the elevator code may be used to resolve code conflicts providing a the issue date for the electrical or structure permit can be verified by the elevator inspector.

While the Elevator Safety Program does not directly regulate the building code, it is permissible to question code issues and request clarification or validation from the local building department. The elevator inspector cannot require any corrections unless supported by the local building department in such cases.

Indicate elevator type: Electric <input type="checkbox"/> Hydraulic <input type="checkbox"/>			
Site Name:			Code Date: ____/____/____
Contractor:			
Elevator ID: ____ - ____			
1 st Inspection Date	2 nd Inspection Date	3 rd Inspection Date	4 th Inspection Date
____/____/____	____/____/____	____/____/____	____/____/____

**Note: This inspection is billable @ 59.40/hour, portal to portal (includes 8% surcharge).
 Construction-use permits expire once a satisfactory final inspection is achieved.**

Pits & Bottom Clearances	A17.1	Comments	OK	
Pits	5.10.1.2	1) Pit must be provided. 2) Suitable guards between adjacent pits are required. 3) Minimum depth required as per 2.2.7.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Spaces Below	5.10.1.6	1) Protection of spaces below hoistway must comply with 2.6 or space may be temporarily secured against access.	<input type="checkbox"/>	
Bottom Car Clearances	5.10.1.4	1) Bottom clearances shall conform to 2.4.1 a) Minimum 610 mm (24 in.) to any equipment installed under platform except within a 300 mm (12 in.) wide parameter from the platform edge. This includes the bolster channels. b) the refuge space shall be not less than: c) 610 mm x 1220 mm x 610 mm (24" w x 48" l x 24" h); or d) 160 mm x 915 mm x 1100 mm (18" w x 36" l x 43" h) e) Actual: _____ w x _____ l x _____ h <input type="checkbox"/> mm or <input type="checkbox"/> in.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Bottom Car Runby Rated Speed: _____ m/s _____ fpm	5.10.1.4	1) Uncounterweighted: a) <= 0.13 m/s (25 fpm); 75 mm (3"); b) > 0.13 m/s (25 fpm); 150 mm (6"); 2) Counterweighted w/spring buffers & rheostatic control or s/sp. AC control: a) <= 0.13 m/s (25 fpm); 75 mm (3"); b) >0.13 – 0.25 m/s (25-50 fpm); 150 mm (6"); c) > 0.25 - 0.50 m/s (50-100 fpm); 225 mm (9"); d) > 0.50 to 1.0 m/s (100-200 fpm); 300 mm (12"); 3) 2.4.2.1: w/oil buffers; 150 mm (6"); 4) 2.4.2.2 w/spring buffers; 150 mm (6") 5) Maximum Runby: i) car; 610 mm (24"); ii) cwt.; 915 mm (36");	Actual Dimensions _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in _____ <input type="checkbox"/> mm <input type="checkbox"/> in	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Refuge Space	2.4.12 (3.4.3)	1) Minimum Area: a) 0.5 m ² (5.4 ft ²) 600 mm (24") on any side i) Actual Area _____ m ² (in ²) b) 1100 mm (43") high i) Actual height _____ mm (in.)	<input type="checkbox"/> <input type="checkbox"/>	
Beams & Supports	5.10.1.8	1) All equipment must be adequately supported. Temporary supports may be used providing they provide sufficient structural support to withstand the loads imposed during construction use operation.	<input type="checkbox"/>	
Counterweight Pit Guards	5.10.1.3	1) Guards are required to be installed on all open sides of the counterweight runway.	<input type="checkbox"/>	
Car & Cwt. Buffers	5.10.1.18	1) Must conform to 2.22 for finished elevator.	<input type="checkbox"/>	
Car Enclosures & Platforms	A17.1	Comments	OK	
Car Frames & Platforms	5.10.1.11	1) Must comply with requirements for finished elevator.	<input type="checkbox"/>	
Car Enclosure	5.10.1.10.1 5.10.1.10.2 5.10.1.10.3 5.10.1.10.4	1) Car enclosure must comply with the following: a) Fully enclosed with metal or wood. b) Solid enclosure with no openings except at entrances. c) Maintain clear height of 1980 mm (78"). d) Car tops must sustain a load of 135 kg (300 lbs.) per .09 m ² (1ft ²) of area. e) Securely fastened to the platform and supported to prevent shifting. f) Minimum illumination of a of 50 lx (5 ftc) at platform sill. i) Lamps shall be suitably guarded. g) Provided with an emergency exit of standard size attached to the car top. h) Not to be operated with loads protruding through the escape hatch except as follows: i) Operation of car is under supervision of elevator contractor & ii) Maximum speed of 0.75 m/s (50 fpm.).	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Glass in Cars	5.10.1.10.5	1) Shall not be used in cars except for light fixtures and as necessary for the operation of the car. 2) Glass cab panels should be refrained from being installed or protected with plywood or other suitable material while elevator is being used as a construction car.	<input type="checkbox"/> <input type="checkbox"/>	

Car Enclosures & Platforms	A17.1	Comments	OK
Car Emergency Signal	5.10.1.10.7	1) Must be equipped with an audible signaling device or two-way communication device. Communication device may be portable.	<input type="checkbox"/>
Car Doors and Gates	5.10.1.10.8	1) The car door shall: a) Guard the full height and width of the opening b) Be comprised of solid or open grill-work. c) Open grill-work shall reject a 25 mm (1") diameter ball. d) Collapsible car gates must reject a 75 mm (3") diameter ball. e) Must contain a gate switch.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Safeties & Governors	5.10.1.13 5.10.1.14	1) Car safeties are required. 2) Governors are required.	<input type="checkbox"/> <input type="checkbox"/>
Signs & Data plates	5.10.1.23	1) Capacity plate required with minimum 25 mm (1") high lettering (may be a temporary sign). 2) Data plates shall include the following information:..... a) the approximate car weight b) temporary rated load c) maximum number of passengers d) temporary rated speed e) wire rope data f) manufacturer's name g) date of installation h) minimum 3 mm (1/8") high lettering i) located on crosshead or inside car	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Rated Load & Speed	5.10.1.12.1 5.10.1.12.3	1) Inside rated load shall be based on inside platform area (refer to 2.16.1 for passenger elevators). 2) Maximum number of passengers shall be based on temporary rated load divided by 90 kg (200 lb). 3) Speeds shall not exceed 5 m/s (1000 fpm). NOTE: governors and safeties must be calibrated for the rated car speed used.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Driving Machines	5.10.1.20	1) Machines must conform to the requirements for the finished elevator.	<input type="checkbox"/>
Suspension Means	5.10.1.16	1) Ropes shall conform to the requirements for the finished elevator except for progressive rise installations. 2) Provide a rope data tag.	<input type="checkbox"/> <input type="checkbox"/>
No Load Safety Test	8.10	1) A no load safety test shall be performed.	<input type="checkbox"/>
Car Operator	OAR 918-400-0450	1) An operator is required in the elevator during all hours of operation unless the elevator complies with standards for at least a provisional status for public use.	<input type="checkbox"/>
Hydraulic Elevators 5.10.2			
Valves, Flexible Hoses and Fittings (refer to 3.19.3.3)	5.10.2.8	1) H/P hoses shall: a) not be installed in hoistways or through walls. b) have a minimum bending radius of as required by SAE 100 R2 c) be wire reinforced as specified by SAE J5 17D d) withstand 10 times working pressure e) marked as required by SAE f) marked with a replacement date no more than 6 years from installation	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Supply Line and Shut Off	3.19.1 Ore. Amend	2) Located in M/R and/or Pit. Fittings and piping and valves shall: a) have a safety factor of 5 b) mfg. kPa (psi) x mfg. SF/5 = allowable working kPa (psi). 3) Can not be cast iron, malleable iron or certain brass or bronze materials.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Control Valve	5.10.2.8	1) Ensure valve is of the type that comprises a check valve and manual lowering.	<input type="checkbox"/>
Supply Piping (refer to 3.19)	5.10.2.8	1) Ensure piping is of appropriate size. (If piping is not distinguishable as to its rating, require documentation as to its characteristics.) 2) Ensure joints are properly fastened and there are no leaks 3) Connections shall only be one or more of the following types:..... a) welded b) threaded c) grooved d) bolted flange	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Tanks: Hydraulic Power Unit (refer to 3.24)	5.10.2.10	1) Working Pressure must appear on plate 2) Liquid level indicator (e.g. dip-stick or sight glass) 3) Covers and venting	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

