

CHECKLIST FOR INSPECTION OF ELECTRIC ELEVATORS

GENERAL NOTES:

- (a) See ASME A17.2 – 2010 for detailed Code requirements.
- (b) OK = meets requirements; NG = no good; NA = not applicable.

Address:				Periodic Inspection	
				Periodic Test – Cat 1	
				Periodic Test – Cat 5	
				Acceptance Inspection/Test	
ID No:			Code Edition:		
Passenger	Rated load: _____ lbs.	Inspected by: _____		Date: _____	
Freight Class:	Rated speed: _____ fpm	QEI No: _____	Certifying Organization: _____		

Signature: _____

		OK	NG	NA			OK	NG	NA
1	INSIDE OF CAR				2.19	Gears, bearings and flexible couplings			
1.1	Door reopening device				2.20	Winding drum machine and slack cable device			
1.2	Stop switches				2.21	Belt or chain-drive machine			
1.3	Operating control devices				2.22	Motor generator			
1.4	Sills and car floor				2.23	Absorption of regenerated power			
1.5	Car lighting and receptacles				2.24	AC drives from a DC source			
1.6	Car emergency signal				2.25	Traction sheaves			
1.7	Car door or gate				2.26	Secondary and deflector sheaves			
1.8	Door closing force				2.27	Rope fastenings			
1.9	Power closing of doors or gates				2.28	Terminal stopping devices			
1.10	Power opening of doors or gates				2.29	Car and counterweight safeties			
1.11	Car vision panels and glass car doors				2.40	Maintenance records			
1.12	Car enclosure				2.42	Earthquake inspection/test			
1.13	Emergency exit				3	TOP OF CAR			
1.14	Ventilation				3.1	Top-of-car stop switch			
1.15	Signs and operating device symbols				3.2	Car top light and outlet			
1.16	Rated load, platform area, and data plate				3.3	Top-of-car operating device			
1.17	Standby power operation				3.4	Top-of-car clearance and refuge space			
1.18	Restricted opening of car/hoistway doors				3.5	Normal terminal stopping device			
1.19	Car ride				3.6	Final and emergency terminal stopping devices			
1.20	Earthquake inspection/test				3.7	Car leveling and anti-creep devices			
2	MACHINE ROOM				3.8	Top emergency exit			
2.1	Access to machine space				3.9	Floor, and emergency numbering			
2.2	Headroom				3.10	Hoistway construction			
2.3	Lighting and receptacles				3.11	Hoistway smoke control			
2.4	Machine space				3.12	Pipes, wiring, and ducts			
2.5	Housekeeping				3.13	Windows/projections/setbacks/recesses			
2.6	Ventilation				3.14	Hoistway clearances			
2.7	Fire extinguisher				3.15	Multiple hoistway			
2.8	Pipes, wiring, and ducts				3.16	Traveling cables and junction boxes			
2.9	Guarding of exposed auxiliary equipment				3.17	Door and gate equipment			
2.10	Numbering of elevators, machines, and disconnect switches				3.18	Car frame and stiles			
2.11	Disconnecting means and control				3.19	Guide rails, fastening and equipment			
2.12	Controller wiring, fuses, grounding, etc.				3.20	Governor rope			
2.13	Governor, overspeed switch, and seal				3.21	Governor releasing carrier			
2.14	Code data plate				3.22	Wire rope fastening and hitch plate			
2.15	Static control				3.23	Suspension rope			
2.16	Overhead beam and fastenings				3.24	Top counterweight clearance			
2.17	Drive machine brake				3.25	Car, overhead, and deflector sheaves			
2.18	Traction drive machines				3.26	Broken rope, chain, or tape switch			

CHECKLIST FOR INSPECTION OF ELECTRIC ELEVATORS (Back)

				OK	NG	NA					OK	NG	NA	
3.27	Crosshead data plate						4.12	Standby power selection switch						
3.28	Counterweight/counterweight buffer													
3.29	Counterweight safeties					5	PIT							
3.33	Compensating ropes and chains						5.1	Pit access/lighting/stop switch/condition						
3.34	Earthquake inspection/test						5.2	Bottom clearance/runby/refuge space						
4	OUTSIDE HOISTWAY							5.3	Final/Em. terminal stopping devices					
4.1	Car platform guard						5.4	Normal terminal stopping devices						
4.2	Hoistway doors						5.5	Traveling cables						
4.3	Vision panels						5.6	Governor-rope tension devices						
4.4	Hoistway door locking devices						5.7	Car frame and platform						
4.5	Access to hoistway						5.8	Car safeties and guiding members						
4.6	Power closing of hoistway doors						5.9	Buffers/Em. terminal speed devices						
4.7	Sequence operation						5.10	Compensating ropes/chains/sheaves						
4.8	Hoistway enclosure						5.16	Earthquake inspection/test						
4.9	Elevator parking devices						6	FIREFIGHTERS' SERVICE						
4.10	Emergency doors blind hoistway						6.1	Phase I -						
4.11	Separate counterweight hoistway						6.1A	Phase II -						

The above checklist form ASME A134C1, has been computer enhanced by Continental Hoisting Consultants, Inc. The original A134C1 may be obtained from ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 – 1.800.843.2763

PERFORMANCE DATA

Make:	Installation date:	# of landings:	# of openings:	F	R	
Door entrance type:	Door entrance size:	in X	in	Typical floor rise:	ft	
ACTUAL SPEED:	EMPTY	FULL	REMARKS			
Up – FPM (feet per minute)						
Down – FPM (feet per minute)						
PERFORMANCE TIMES: Time from start of door closing to doors open 32 in. (813mm) at adjacent floor.						
Up (1) – Seconds						
Down (1) – Seconds						
MOTION TIME: Brake to brake						
Up (1) – Seconds						
Down (1) – Seconds						
DOOR TIMES: Full open to full close – sec.	FRONT	REAR	REMARKS			
Door open						
Door close						
Long (hall call) dwell						
Short (car call) dwell						
Detector (door ray) hold						
Nudging (Time/closing speed/closing force)						
Closing pressure (between 1/3 & 2/3) – max. 30 lbf.						
GFR-CAR RIDE QUALITY: g-force rate	EMPTY		OPTIMAL RANGE	REMARKS		
Start	UP	DN	.02mg's - .12mg's			
Accel	UP	DN	.02mg's - .12mg's			
Decel	UP	DN	.02mg's - .12mg's			
Stop	UP	DN	.02mg's - .12mg's			
Jerk	UP	DN	<15.0mg's			
ROPE DATA						
LOCATION OF ROPES	MATERIALS	NUMBER	SIZE AND CONSTRUCTION	USED LIFE (in months)	EST. LIFE (in months)	REMARKS
Hoist						
Governor – Car						
Compensation						
Governor – Counterweight						
Car Counterweight						
Drum Counterweight						
Safety						
SAFETY TEST DATA						
Category 1 test date:	Category 5 test date:	Car safety type:	Counterweight safety type:			
Maintenance Provider:						