CHECKLIST FOR INSPECTION OF HYDRAULIC ELEVATORS

GENERAL NOTES:
(a) See ASME A17.2 – 2012 for detailed Code requirements.
(b) OK = meets requirements; NG = no good; NA = not applicable.

Address:					Periodic Inspection
					Periodic Test – Cat-1
					Periodic Test – Cat-3
					Periodic Test – Cat-5
					Acceptance Evaluation/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**				2.32	Control valve			
1.1	Door reopening device				2.33	Tanks			
1.2	Stop switches				2.34	Flexible hose and fitting assemblies			
1.3	Operating control devices				2.35	Supply line and shutoff valve			
1.4	Sills and car floor				2.36	Hydraulic cylinders			
1.5	Car lighting and receptacles				2.37	Pressure switch			
1.6	Car emergency signal				2.38	Roped water hydraulic			
1.7	Car door or gate				2.39	Low oil protection			
1.8	Door closing force				2.40	Maintenance records			
1.9	Power closing of doors or gates				2.41	Hydraulic control			
1.10	Power opening of doors or gates				2.42	Earthquake inspection/test			
1.11	Car vision panels and glass car doors				**3**	**TOP OF CAR**			
1.12	Car enclosure				3.1	Top-of-car stop switch			
1.13	Emergency exit				3.2	Car top light and outlet			
1.14	Ventilation				3.3	Top-of-car operating device			
1.15	Signs and operating device symbols				3.4	Top-of-car clearance/refuge/railing			
1.16	Rated load, platform area, and data plate				3.5	Normal terminal stopping device			
1.17	Standby power operation				3.6	Final/emergency terminal stopping device			
1.18	Restricted opening of car/ hoistway doors				3.7	Car-leveling and anti-creep devices			
1.19	Car ride				3.8	Top emergency exit			
1.20	Earthquake inspection/test				3.9	Floor and emergency identification numbering			
2	**MACHINE ROOM**				3.10	Hoistway construction			
2.1	Access to machine space				3.11	Hoistway smoke control			
2.2	Headroom				3.12	Pipes, wiring, and ducts			
2.3	Lighting and receptacles				3.13	Windows/projections/recesses/setbacks			
2.4	Machine space				3.14	Hoistway clearances			
2.5	Housekeeping				3.15	Multiple hoistway			
2.6	Ventilation				3.16	Traveling cables and junction box			
2.7	Fire extinguisher				3.17	Door and gate equipment			
2.8	Pipes, wiring, and ducts				3.18	Car frame and stiles			
2.9	Guarding of exposed auxiliary equipment				3.19	Guide rails fastening and equipment			
2.10	Numbering of elevators, machines, and disconnect switches				3.20	Governor rope			
2.11	Disconnecting means and control				3.21	Governor releasing carrier			
2.12	Controller wiring, fuses, grounding, etc.				3.22	Wire rope fastening and hitch plate			
2.13	Governor, overspeed switch and seal				3.23	Suspension rope			
2.14	Code data plate				3.27	Crosshead data plate/rope data tags			
2.17	Drive machine brake				3.28	Counterweight & buffer			
2.30	Hydraulic power unit				3.29	Counterweight safeties			
2.31	Relief valves				3.30	Speed test			

CHECKLIST FOR INSPECTION OF HYDRAULIC ELEVATORS (Back)

		OK	NG	NA			ON	NG	NA
3.31	Slack rope device				5.1	Pit access/lighting/stop switch/condition			
3.32	Traveling sheave				5.2	Bottom clearance/runby/refuge space			
3.34	Earthquake inspection/test				5.4	Normal terminal stopping device			
4	**OUTSIDE HOISTWAY**				5.5	Traveling cables			
4.1	Car platform guard				5.6	Governor rope tension device			
4.2	Hoistway doors				5.7	Car frame and platform			
4.3	Vision panels				5.8	Car/cwt safeties/guiding members			
4.4	Hoistway door locking device				5.11	Plunger and cylinder			
4.5	Access to hoistway				5.12	Car buffer			
4.6	Power closing of hoistway doors				5.13	Guiding members			
4.7	Sequence operation				5.14	Supply piping			
4.8	Hoistway enclosure				5.15	Overspeed valve/plunger gripper/rope			
4.9	Elevator parking device				5.16	Earthquake inspection/test			
4.10	Emergency doors in blind hoistways				**6**	**FIREFIGHTERS' SERVICE**			
4.12	Standby power selection switch				6.1	Phase I			
5	**PIT**				6.1A	Phase II			

The above checklist form ASME A050C7, has been computer enhanced by Continental Hoisting Consultants, Inc. The original A050C7 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: Start to stop.									
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**	**.03mg's - .09mg's**	
Accel		**UP**		**DN**	**.03mg's - .09mg's**	
Decel		**UP**		**DN**	**.03mg's - .09mg's**	
Stop		**UP**		**DN**	**.03mg's - .09mg'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						

SAFETY TEST DATA			
Category 1 Test Date:	Category 3 Test Date:	Category 5 Test Date:	Car Safety Device Type:
Maintenance Provider:			

"Elevator Safety Is No Accident"