

# CHECKLIST FOR INSPECTION OF HYDRAULIC ELEVATORS

## GENERAL NOTES:

(a) See ASME A17.2-2001 for detailed inspection information on each item number.

(b) OK = meets requirements; NG = insert number to identify comment on back of this Checklist; NA = not applicable.

Address: \_\_\_\_\_

ID No: \_\_\_\_\_

☐ Passenger

Rated load: \_\_\_\_\_

☐ Freight class \_\_\_\_\_

Speed: \_\_\_\_\_

☐ Routine inspection and test

☐ Periodic inspection and test

☐ Acceptance inspection and test

Code Edition: \_\_\_\_\_

Inspected by: \_\_\_\_\_

Print

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

QEI No: \_\_\_\_\_ Certifying organization: \_\_\_\_\_

	OK	NG	NA
<b>1 ELEVATOR — INSIDE OF CAR</b>			
1.1 Door reopening device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Stop switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Operating control devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Sills and car floor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Car lighting and receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.6 Car emergency signal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.7 Car door or gate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.8 Door closing force	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.9 Power closing of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.10 Power opening of doors or gates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.11 Car vision panels and glass car doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.12 Car enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.13 Emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.14 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.15 Signs and operating device symbols	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.16 Rated load, platform area, and data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.17 Standby power operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.18 Restricted opening of car or hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.19 Car ride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 ELEVATOR — MACHINE ROOM</b>			
2.1 Access to machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Headroom	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Lighting and receptacles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.4 Machine space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Housekeeping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Ventilation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.7 Fire extinguisher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.8 Pipes, wiring, and ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.9 Guarding of exposed auxiliary equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.10 Numbering of elevators, machines, and disconnect switches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.11 Disconnecting means and control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.12 Controller wiring, fuses, grounding, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.13 Governor, overspeed switch, and seal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.14 Code data plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.30 Hydraulic power unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.31 Relief valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.32 Control valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.33 Tanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.34 Flexible hydraulic hose and fitting assemblies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	OK	NG	NA
2.35 Supply line and shutoff valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.36 Hydraulic cylinders	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.37 Pressure switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.38 Roped water hydraulic elevators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 ELEVATOR — TOP OF CAR</b>			
3.1 Top-of-car stop switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Car top light and outlet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3 Top-of-car operating device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4 Top-of-car clearance and refuge space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5 Normal terminal stopping device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.6 Final and emergency terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.7 Car leveling and anticreep devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.8 Top emergency exit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.9 Floor and emergency identification numbering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.10 Hoistway construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.11 Hoistway smoke control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.12 Pipes, wiring, and ducts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.13 Windows, projections, recesses, and setbacks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.14 Hoistway clearances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.15 Multiple hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.16 Traveling cables and junction boxes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.17 Door and gate equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.18 Car frame and stiles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.19 Guide rails, fastenings, and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.20 Governor rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.21 Governor releasing carrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.22 Wire rope fastening and hitch plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.23 Suspension rope	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.30 Speed test	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.31 Slack rope device — roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.32 Traveling sheave — roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.33 Counterweight	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 ELEVATOR — OUTSIDE HOISTWAY</b>			
4.1 Car platform guard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.2 Hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**CHECKLIST FOR INSPECTION OF HYDRAULIC ELEVATORS (Back)**

	OK	NG	NA		OK	NG	NA
4.3 Vision panels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.6 Governor rope tension device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.4 Hoistway door locking device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.7 Car frame and platform	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.5 Access to hoistway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.8 Car safeties and guiding members — including roped-hydraulic elevators installed under A17.1b-1989 and later editions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.6 Power closing of hoistway doors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.11 Plunger and cylinder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.7 Sequence operation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.12 Car buffer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.8 Hoistway enclosure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.13 Guiding members	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.9 Elevator parking device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.14 Supply piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.10 Emergency doors in blind hoistways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
4.12 Standby power selection switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<b>5 ELEVATOR — PIT</b>				<b>6 ELEVATOR — FIREFIGHTERS' SERVICE</b>			
5.1 Pit access, lighting, stop switch, and condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.1 <input type="checkbox"/> A17.1b-1973 through A17.1b-1980	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.2 Bottom clearance, runby, and minimum refuge space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.2 <input type="checkbox"/> A17.1-1981 through A17.1b-1983	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.4 Normal terminal stopping devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.3 <input type="checkbox"/> A17.1-1984 through A17.1a-1988 and A17.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.5 Traveling cables	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.4 <input type="checkbox"/> A17.1b-1989 through A17.1d-2000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comments:** \_\_\_\_\_

PRESSURE TEST RESULTS ASME A17.1, RULE 10002

WORKING PRESSURE

STATIC PRESSURE

EMPTY PRESSURE

RELIEF PRESSURE

RELIEF VALVE SETTING AND SYSTEM

FLEXIBLE HOSE AND FITTING

HYDRAULIC CYLINDER LEAK TEST

EMERGENCY TERMINAL STOPPING &amp; SPEED LIMITING DEVICES

STANDBY or EMERGENCY POWER OPERATION

POWER OPERATION OF DOORS

NORMAL TERMINAL STOPPING DEVICES

SLAK ROPE DEVICE

FIREFIGHTERS SERVICE

PRESSURE SWITCH

LOW OIL PROTECTION TEST

OIL BUFFER

SAFETY

GOVERNOR