

# HYDRAULIC ELEVATOR INSPECTION REPORT

BUILDING NAME: \_\_\_\_\_

BUILDING NUMBER: \_\_\_\_\_ ELEVATOR NUMBER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

BUILDING REPRESENTATIVE: \_\_\_\_\_

CONTACT NUMBER: \_\_\_\_\_

DATE OF INSPECTION: \_\_\_\_\_ ASME A17.1 CODE YEAR: \_\_\_\_\_

TYPE OF ELEVATOR: PASSENGER\_\_\_\_ SERVICE\_\_\_\_ FREIGHT\_\_\_\_ CARTLIFT\_\_\_\_ DUMBWAITER\_\_\_\_

MATERIAL LOADING CLASS: A\_\_\_\_ B\_\_\_\_ C1\_\_\_\_ C2\_\_\_\_ C3\_\_\_\_

TYPE OF PUMP UNIT: INTANK\_\_\_\_ V-BELT\_\_\_\_ VALVE AND MOTOR ABOVE TANK\_\_\_\_

MANUFACTURER: \_\_\_\_\_

CAPACITY (LBS): \_\_\_\_\_ CONTRACT SPEED(FPM): \_\_\_\_\_

## 1.0 ELEVATOR TEST DATA

1.1 FULL LOAD SPEED: UP\_\_\_\_ DOWN\_\_\_\_ EMPTY SPEED: UP\_\_\_\_ DOWN\_\_\_\_

1.2 MOTOR VOLTS: UP DOWN MOTOR AMPS: UP DOWN

FULL LOAD: \_\_\_\_\_ FULL LOAD: \_\_\_\_\_

EMPTY CAR: \_\_\_\_\_ EMPTY CAR: \_\_\_\_\_

1.3 STATIC PRESURE (PSI): EMPTY CAR\_\_\_\_ FULL LOAD\_\_\_\_

1.4 WORKING PRESURE (PSI):EMPTY CAR\_\_\_\_ FULL LOAD\_\_\_\_

1.5 RELIEF VALVE PRESURE (PSI): FULL LOAD ON STOP RING\_\_\_\_

1.6 DOWN OVERSPEED/RUPTURE VALVE: 10% ABOVE CONTRACT SPEED PASS\_\_\_\_ FAIL\_\_\_\_

1.7 ROPED HYDRAULIC SAFETIES: A\_\_\_\_ B\_\_\_\_ C\_\_\_\_ N/A\_\_\_\_

1.8 CAR SLIDE DISTANCE: \_\_\_\_\_ N/A\_\_\_\_

1.9 GOVERNOR TRIP SPEED (FPM): \_\_\_\_\_

1.10 OVERSPEED SWITCH TRIP SPEED (FPM): \_\_\_\_\_

1.11 GOVERNOR ROPE PULL THROUGH FORCE (LBF): \_\_\_\_\_ N/A\_\_\_\_

1.12 ONE HOUR RUN TEST:PASS\_\_\_\_ FAIL\_\_\_\_

1.13 MOTOR TEMPERATURE: START\_\_\_\_ FINISH\_\_\_\_

1.14 OIL TEMPERATURE RISE: START\_\_\_\_ FINISH\_\_\_\_

1.15 DOOR SPEED (SEC): CLOSE\_\_\_\_ OPEN\_\_\_\_ CLOSING FORCE (LBF)\_\_\_\_

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## 2.0 ELEVATOR MACHINE ROOM

2.1 ACCESS TO MACHINE ROOM	PASS___	FAIL___	N/A___
2.2 HEADROOM (7 FEET MINIMUM)	PASS___	FAIL___	N/A___
2.3 LIGHTING AND GFCI RECEPTACLES	PASS___	FAIL___	N/A___
2.4 MACHINE SPACE	PASS___	FAIL___	N/A___
2.5 HYDRAULIC POWER UNIT – MOTOR, PUMP AND TANK	PASS___	FAIL___	N/A___
2.6 CONTROL AND RELIEF VALVE	PASS___	FAIL___	N/A___
2.7 PRESURE SWITCH	PASS___	FAIL___	N/A___
2.8 SUPPLY LINE AND SHUTOFF VALVE	PASS___	FAIL___	N/A___
2.9 FLEXIBLE HOSE AND FITTINGS	PASS___	FAIL___	N/A___
2.10 HOUSE KEEPING – CLEANED AND PAINTED	PASS___	FAIL___	N/A___
2.11 HVAC - VENTILATION	PASS___	FAIL___	N/A___
2.12 FIRE EXTINGUISHER	PASS___	FAIL___	N/A___
2.13 GUARDS ON EQUIPMENT	PASS___	FAIL___	N/A___
2.14 PIPE, DUCT, WIRING AND BUSHINGS	PASS___	FAIL___	N/A___
2.15 NUMBERING OF EQUIPMENT	PASS___	FAIL___	N/A___
2.16 FUSED DISCONNECT – SHUNT TRIP BREAKER	PASS___	FAIL___	N/A___
2.17 CONTROLLER FUSES AND OVERLOADS	PASS___	FAIL___	N/A___
2.18 LOW OIL PROTECTION	PASS___	FAIL___	N/A___
2.19 BONDING WIRE AND GROUDING	PASS___	FAIL___	N/A___
2.20 INSPECTION CONTROL	PASS___	FAIL___	N/A___
2.21 CODE DATA PLATE	PASS___	FAIL___	N/A___
2.22 MAINTENANCE CONTROL PROGRAM AND MAINTENANCE RECORDS	PASS___	FAIL___	N/A___
2.23 MONTHLY FIRE SERVICE TEST LOG	PASS___	FAIL___	N/A___
2.24 EMERGENCY POWER OPERATION (FULL LOAD IN CAR)	PASS___	FAIL___	N/A___
2.25 EARTHQUAKE INSPECTION AND TESTS	PASS___	FAIL___	N/A___
2.26 SMOKE DETECTORS_____ HEAT DETECTORS_____ SPRINKLERS_____	PASS___	FAIL___	N/A___

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## 3.0 ELEVATOR HOISTWAY – INSIDE

3.1 ACCESS TO HOISTWAY – CARTOP AND PIT	PASS___	FAIL___	N/A___
3.2 HOISTWAY AND PIT LIGHTING	PASS___	FAIL___	N/A___
3.3 HOISTWAY ENCLOSURE	PASS___	FAIL___	N/A___
3.4 HOISTWAY DEVIDER BEAMS AND LEDGES	PASS___	FAIL___	N/A___
3.5 ENTRANCE FRAMES (FULLY GROUTED)	PASS___	FAIL___	N/A___
3.6 DUST COVERS <sup>2</sup> , FACIAS, TOP AND BOTTOM SHEAR GUARDS	PASS___	FAIL___	N/A___
3.7 VISION PANELS	PASS___	FAIL___	N/A___
3.8 HOISTWAY DOORS	PASS___	FAIL___	N/A___
3.9 HOISTWAY DOOR LOCKING DEVICES	PASS___	FAIL___	N/A___
3.10 MECHANICAL HOISTWAY DOOR CLOSURE	PASS___	FAIL___	N/A___
3.11 EMERGENCY DOORS IN BLIND HOISTWAY	PASS___	FAIL___	N/A___
3.12 HOISTWAY VENTILATION	PASS___	FAIL___	N/A___
3.13 TRAVELING CABLE SUSPENSION	PASS___	FAIL___	N/A___
3.14 TOP OF COUNTERWEIGHT CLEARANCE AND RUNBY (ROPED)	PASS___	FAIL___	N/A___
3.15 BOTTOM OF CAR CLEARANCE, RUNBY AND REFUGE SPACE	PASS___	FAIL___	N/A___
3.16 COUNTERWEIGHT, FRAME AND ROLLER GUIDES (ROPED)	PASS___	FAIL___	N/A___
3.17 COUNTERWEIGHT SHEAVE OR SHACKLES AND HITCH PLATE (ROPED)	PASS___	FAIL___	N/A___
3.18 CAR OVERHEAD CLEARANCE	PASS___	FAIL___	N/A___
3.19 NORMAL TERMINAL STOPPING DEVICES	PASS___	FAIL___	N/A___
3.20 FINAL TERMINAL STOPPING DEVICES	PASS___	FAIL___	N/A___
3.21 CAR AND COUNTERWEIGHT BUFFERS AND TAGS	PASS___	FAIL___	N/A___
3.22 PIT STOP SWITCHES	PASS___	FAIL___	N/A___
3.23 GOVERNOR ROPE TENSION SHEAVE (ROPED)	PASS___	FAIL___	N/A___
3.24 GUIDE RAILS, BRACKETS AND FASTENERS	PASS___	FAIL___	N/A___
3.25 FLOOR NUMBERS AND EMERGENCY IDENTIFICATION	PASS___	FAIL___	N/A___
3.26 PIPE, DUCT, WIRING AND BUSHINGS	PASS___	FAIL___	N/A___
3.26 EARTHQUAKE INSPECTION AND TESTS	PASS___	FAIL___	N/A___
3.27 SMOKE DETECTORS_____ HEAT DETECTORS_____ SPRINKLERS_____	PASS___	FAIL___	N/A___

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## 4.0 ELEVATOR CAR – OUTSIDE

4.1 CROSSHEAD DATA, HOIST ROPE AND GOVERNOR ROPE TAGS	PASS___	FAIL___	N/A___
4.2 STOP SWITCH	PASS___	FAIL___	N/A___
4.3 LIGHT AND GFCI RECEPTACLES – TOP AND BOTTOM	PASS___	FAIL___	N/A___
4.4 CARTOP OPERATING DEVICE	PASS___	FAIL___	N/A___
4.5 DOOR REOPENING DEVICE	PASS___	FAIL___	N/A___
4.6 DOOR OPENING RESTRICTOR	PASS___	FAIL___	N/A___
4.7 CLEARANCE, REFUGE SPACE AND CARTOP RAILING	PASS___	FAIL___	N/A___
4.8 CAR LEVELING DEVICE	PASS___	FAIL___	N/A___
4.9 CARTOP EMERGENCY EXIT AND SAFETY SWITCH	PASS___	FAIL___	N/A___
4.10 ELEVATOR NUMBER – TOP, BOTTOM AND PIT SWITCH	PASS___	FAIL___	N/A___
4.11 PIPE, DUCT, WIRING AND BUSHINGS	PASS___	FAIL___	N/A___
4.12 HOISTWAY RUNNING CLEARANCE	PASS___	FAIL___	N/A___
4.13 CAR DOOR OPERATOR	PASS___	FAIL___	N/A___
4.14 TRAVELING CABLE SUSPENSION AND RUNNING CLEARANCE	PASS___	FAIL___	N/A___
4.15 CROSSHEAD, SIDE STILES AND BOLSTER CHANNEL/SAFETY PLANK	PASS___	FAIL___	N/A___
4.16 CAR SAFETIES (ROPED)	PASS___	FAIL___	N/A___
4.17 GOVERNOR ROPE AND RELEASE CARRIER (ROPED)	PASS___	FAIL___	N/A___
4.18 HOIST ROPES, CARTOP SHEAVE OR SHACKLES AND HITCH PLATE (ROPED)	PASS___	FAIL___	N/A___
4.19 CAR PLATFORM GUARD – TOE GUARD	PASS___	FAIL___	N/A___

## 5.0 ELEVATOR CAR – INSIDE

5.1 CAR DOOR OR GATE	PASS___	FAIL___	N/A___
5.2 DOOR CLOSING FORCE	PASS___	FAIL___	N/A___
5.3 POWER OPENING AND CLOSING OF DOOR OR GATE	PASS___	FAIL___	N/A___
5.4 CAR ENCLOSURE, INTERIOR FINISHES, SILL, FLOOR AND CEILING	PASS___	FAIL___	N/A___
5.5 CAR VISION PANELS AND GLASS DOORS	PASS___	FAIL___	N/A___
5.6 STOP SWITCHES	PASS___	FAIL___	N/A___
5.7 OPERATING CONTROL DEVICES	PASS___	FAIL___	N/A___
5.8 CAR LIGHTING AND GFCI RECEPTICLE	PASS___	FAIL___	N/A___
5.10 EMERGENCY LIGHT AND ALARM	PASS___	FAIL___	N/A___
5.11 EMERGENCY EXIT SECURED FROM OUTSIDE	PASS___	FAIL___	N/A___

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5.12 VENTILATION PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.13 ELEVATOR NUMBER PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.14 DATA PLATE: CAPACITY, LOADING CLASS AND NUMBER OF PASSENGER PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.15 SIGNAGE AND BRAILLE PLATES PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.16 MEDICAL EMERGENCY PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.17 CAR RIDE QUALITY PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.18 EARTHQUAKE INSPECTION AND TEST PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

5.19 FIREFIGHTER'S PHASE 2 OPERATION PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

## 6.0 ELEVATOR HALL FIXTURES AND HOISTWAY ENTRANCES

6.1 HALL LANTERNS PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.2 POSITIONS INDICATORS PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.3 HALL CALL PUSH BUTTONS PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.4 COMMUNICATION MONITORING LIGHT - ANNUNCIATOR AND KEY SWITCH PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.5 MEDICAL EMERGENCY CALL – KEY SWITCH OR CARD READER PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.6 BRAILLE PLATES AND EMERGENCY EVACUATION PLATES PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.7 ELEVATOR NUMBER ON ENTRANCE FRAMES PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.8 FIREFIGHTER'S PHASE 1 OPERATION AND INDICATOR LIGHT PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.9 SMOKE DETECTORS\_\_\_\_\_ HEAT DETECTORS\_\_\_\_\_ SPRINKLERS\_\_\_\_\_ PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.10 EMERGENCY POWER INDICATOR LIGHT PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

6.11 EMERGENCY POWER SELECTOR KEY SWITCH PASS\_\_\_ FAIL\_\_\_ N/A\_\_\_

ITEM #	COMMENT	CODE REFERENCE

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ITEM #	COMMENT	CODE REFERENCE

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

INSPECTOR'S QEI-1:# \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

PASS \_\_\_\_\_ FAIL \_\_\_\_\_ DATE OF INSPECTION \_\_\_\_\_