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DEPARTMENT OF BUSINESS AND INDUSTRY
DIVISION OF INDUSTRIAL RELATIONS
MECHANICAL COMPLIANCE SECTION
Checklist for Standby Emergency Power

General Note: Pass = Meets Requirement; Fail = Does Not Meet Requirement; N/A = Not Applicable

Elevator ID No. _____ Building: _____

Address: _____ Date: _____

Inspected By: _____ Inspector ID No. _____

Signature: _____

ASME A17.2 Item	Check	ASME A17.1-2019/ CSA B44-19	Pass	Fail	N/A
1.17.3.1(b)	Building personnel must transfer the power from normal to the emergency power source. Verify that the transfer between normal and emergency or standby power is automatic.	2.27.2.2			
1.17.3.1(a)	Verify that where the emergency power source is not capable of absorbing regenerative power, a means must be provided to absorb such power.	2.27.2.5			
1.17.3	Ensure that a visual indicator is provided at the designated level that illuminates when the elevators are operating on emergency power. Signals are required to be marked "ELEVATOR EMERGENCY POWER."	2.27.2.3			
1.17.3	When the emergency power source is not capable of operating all elevators concurrently, verify that a selector switch is provided at the designated level in view of all elevator entrances. The switch must be marked "ELEVATOR EMERGENCY POWER" in red lettering not less than 5 mm (0.25 in.) in height.	2.27.2.4 2.27.2.4.1 2.27.2.4.3			
1.17.3	Verify that the selector is either keyed or behind a locked cover. The key required should be Group 3 security.	2.27.2.4.1			
1.17.3	Verify the selector switch is marked and corresponds with the elevator identification number (see ASME A17.1/CSA B44, requirement 2.29) and has a position marked "AUTO."	2.27.2.4.2			
1.17.3	Where the switch is located remotely from the elevator entrances, verify that a means is provided next to the selector switch to indicate that the elevator is at the designated level with the doors in the open position.	2.27.2.4.3			

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(rev 10/27/2025)

Checklist for Standby Emergency Power (Cont'd)

General Note: Pass = Meets Requirement; Fail = Does Not Meet Requirement; N/A = Not Applicable

ASME A17.2 Item	Check	ASME A17.1-2019 CSA B44-19	Pass	Fail	N/A
1.17.2.1 1.17.3.1 1.17.3.2	Ensure the system automatically selects one or more elevators to recall to the designated level. Have the system transferred, by the responsible party, to standby or emergency power as in 1.17.3.l(b). Verify each elevator designated to be operated on standby/emergency power will sequence down to the designated level and open its doors. The speed of each operating elevator must not attain the governor electrical overspeed trip or 125% of rated speed, whichever is less. Any elevator that was passed over should be given a second opportunity to recall.	2.27.2.4.4 2.26.10			
1.17.2.1 1.17.3.1 1.17.3.2	Have electric elevators that will operate on standby/ emergency power placed at the top terminal with 125% of rated load for passenger elevators and freight elevators that are permitted to carry passengers.	2.27.2.1			
1.17.2.1 1.17.3.1 1.17.3.2	Have freight elevators that will operate on standby/ emergency power placed at the top terminal with rated load In the car.	2.27.2.1			
1.17.2.1 1.17.3.1 1.17.3.2	Have hydraulic elevators that will operate on standby/ emergency power placed at the top terminal with 100% rated load.	2.27.2.1			
1.17.2.1 1.17.3.1	Verify that, once selected, an elevator not on designated attendant operation, hoistway access operation, inspection operation, or firefighters' Phase I or Phase II in-car emergency operation has returned to the designated level.	2.27.2.4.4(a)			
1.17.2.1 1.17.3.1	If the car fails to move within 30 seconds, the selection automatically transfers to another elevator.	2.27.2.4.4(a)			
1.17.2.1 1.17.3.1	When any elevator is on attendant operation, hoistway access operation, inspection operation, or Phase II operation and the elevator is moving, verify that the transfer to the next car is delayed until the elevator that is selected is stopped for a period of not less than 2 minutes or more than 3 minutes.	2.27.2.4.4(b)			
1.17.2.1 1.17.3.1	Verify when an elevator is on Phase I recall operation it will complete its recall to the designated level. Once recall is complete or the elevator fails to move within 30 seconds then the next car will be selected in the sequence.	2.27.2.4.4(c)			
1.17.3.1	When all elevators have returned to the designated level, from the selector switch, select an elevator for operation and verify there is a visual means to indicate which elevator is selected.	2.27.2.4.5 2.27.2.4.6			
1.17.3.1	Run the selected elevator with rated load up and down the hoistway to ensure proper operation. Repeat this process, selecting each elevator to ensure proper operation.	2.27.2.4.5			
1.17.3.1	Once all elevators that are designed to operate on standby power have been checked, have the system transferred by the responsible party back to normal power and verify that the elevators tested operated properly in normal service.	2.27.2.4.5			