

FATAL FACTS





Fatal Facts



- 1) In this packet you will find a brief description of an accident involving an Elevator Constructor.
- 2) The scenario is recreated in part from an OSHA report.
- 3) The photo is not a part of the OSHA report but is intended to give a visual representation of the location of the accident.
- 4) Separate the class into groups of 4-8 people. It's recommended that one company representative sits and participates with each group.
- 5) Write in YOUR Individual Recommendation and Prevention, then you will have a class discussion about the individual recommendations. After the class discussion, you will Research your Company Safety Policy and fill in the Company Recommendations and Preventions followed by a discussion about the company policy and procedure.

6) DO NOT WRITE YOUR NAME ANYWHERE IN THIS BOOKLET

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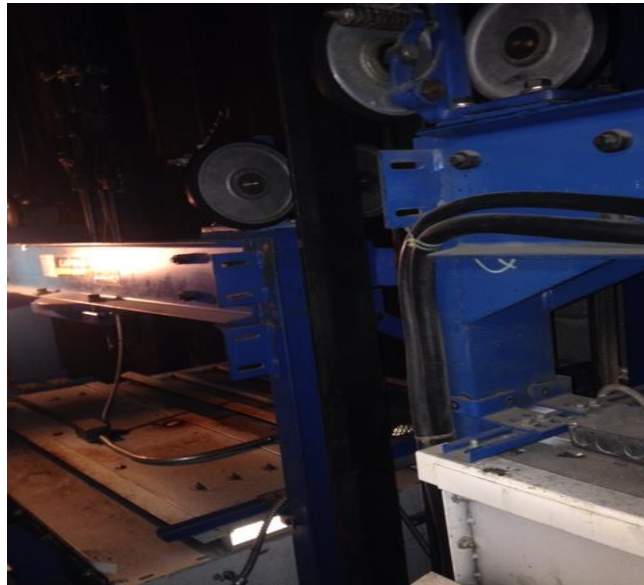
Fatal Fact # 1



Brief Description of Accident: (Per the OSHA Report)

A mechanic was oiling cables on top of the elevator, when he fell and was caught between elevators. He died from his injuries.

Not Actual Photo



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Your Recommendations and Preventions:

Research Company Safety Polices related to this incident.

Company Recommendations and Preventions:



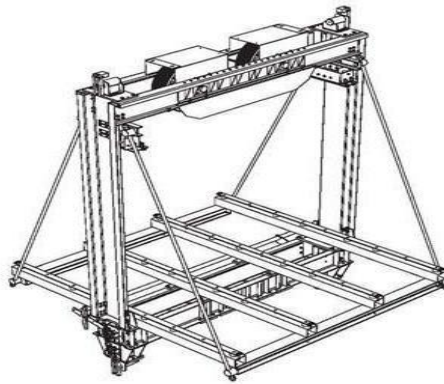
Fatal Fact #2



Brief Description of Accident: (Per the OSHA Report)

A mechanic was working from atop the crosshead of a traction elevator car-sling which was suspended from the machine room at the R-3 level, 60 feet above the elevator pit. The elevator car-sling was hoisted to the R-3 level by a hoist machine without the governor being roped and without ensuring that the elevator car's safeties were operational. A 5/8 in. sling was installed around the crosshead and an adjacent rail bracket. The sling was unpadded and when the hoist cable was removed, the 5/8 in. sling failed and the elevator car-sling free-fell. Due to the elevator's governor not being installed and roped, the elevator car's safeties did not actuate in order to stop the car. The mechanic free-fell with the car-sling 60 feet to the pit and died.

Not Actual Photo



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Your Recommendations and Preventions:

Research Company Safety Polices related to this incident.

Company Recommendations and Preventions:



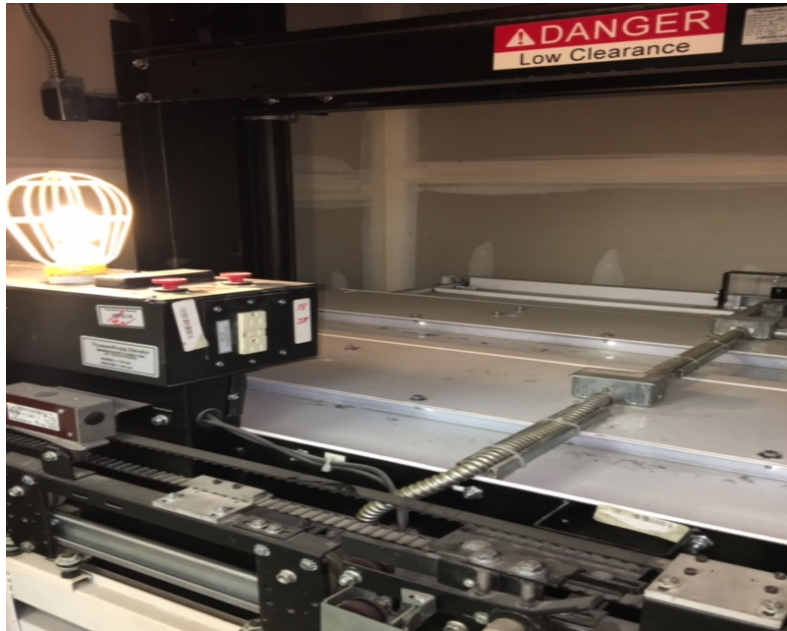
Fatal Fact #3



Brief Description of Accident: (Per the OSHA Report)

An elevator mechanic was working on electrical boxes on the top of a hydraulic passenger elevator. The elevator was not grounded. An insulation breakdown or failure in the ballast of the elevator's florescent lighting fixture energized the entire elevator car. (The ballast was in metal-to-metal contact with the ceiling of the car.) The mechanic was electrocuted.

Not Actual Photo



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Your Recommendations and Preventions:

Research Company Safety Polices related to this incident.

Company Recommendations and Preventions:



Fatal Fact #4



Brief Description of Accident: (Per the OSHA Report)

A mechanic was servicing an elevator. He was above the pit area, just inside the doors of the elevator on the first floor of an eight-story building. He had parked the elevator on the second floor and then gone to the first floor, reportedly to work on a defective slow down switch. While working or leaving the area, he apparently moved the switch and it appears to have sent a signal to the elevator that it was on or approaching the first floor. The elevator, which was still on the second floor, closed its inside door and descended to the first floor, trapping Employee #1 between the wall and the pit ladder on the first floor. He was crushed and killed. The elevator was not locked out.

Not Actual Photo



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Your Recommendations and Preventions:

Research Company Safety Policies related to this incident.

Company Recommendations and Preventions:



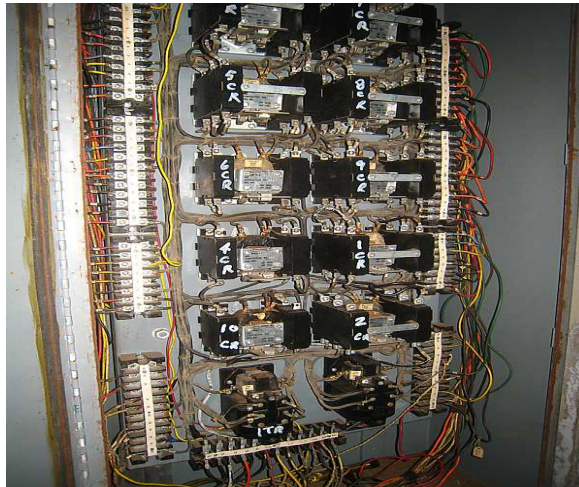
Fatal Fact #5



Brief Description of Accident: (Per the OSHA Report)

An elevator mechanic was troubleshooting an elevator circuit. He deenergized the main circuit and then squeezed himself through the 9.25-inch-wide space between a brick wall and an elevator controller. He jumped an energized circuit behind the controller, apparently reenergizing the circuit that he had DE-energized. He contacted 480-volt parts on the controller as he squeezed back out through the tight space and was electrocuted.

Not Actual Photo



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Your Recommendations and Preventions:

Research Company Safety Policies related to this incident.

Company Recommendations and Preventions:



Fatal Fact #6



Brief Description of Accident: (Per the OSHA Report)

The mechanic and a coworker were installing a new elevator car in an assisted living complex under construction. The coworker was in the elevator car and the mechanic was located between the car and the hoistway wall on the front side of the elevator. A temporary control unit (with an attached 50-ft cable) was hanging from a 6-ft step ladder in the car. According to the coworker, when the car was between the first and second levels of the building structure, it suddenly began to move in an upward direction. The coworker stated that he tried to stop the elevator by depressing the stop button on the temporary control unit. However, the elevator continued to move. When it reached the second level, the coworker exited the elevator car, and ran down a stairway to the first level to shut off the main power disconnect in a control room adjacent to the elevator hoistway. The coworker then found the mechanic dead in the hoistway pit, lying in a prone position.

Not Actual Photo



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Your Recommendations and Preventions:

Research Company Safety Policies related to this incident.

Company Recommendations and Preventions:



Fatal Fact #7



Brief Description of Accident: *(Accident scenario created in part from the OSHA report)*

A mechanic, was in an escalator well troubleshooting a stair problem with the unit. The cover was off the controller panel (480 volts) to his left. The cover had also been removed from the junction box (120 volts), which was in front of him. There was a jumper cable connected at one end of the junction panel, leading to where a second mechanic was working above him. During the course of the repair work, the mechanic was electrocuted.

(Photo is representational)



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Your Recommendations and Preventions:

Research Company Safety Policies related to this incident.

Company Recommendations and Preventions:



Fatal Fact #8



Brief Description of Accident: (Per the OSHA report)

A helper, and an elevator mechanic, completed servicing an Elevator and were returning it to service. The elevator mechanic exited the elevator and the helper followed. The helper switched the car operating device from inspection to run. Jumpers that had been used to bypass the hoist way door interlock had not been removed and the elevator immediately began to ascend. The helper was caught between the elevator and hoist way as the elevator ascended and was killed.

NOT ACTUAL PHOTO



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Your Recommendations and Preventions:

Research Company Safety Policies related to this incident.

Company Recommendations and Preventions:



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