



IUEC INCIDENT SUMMARY

CLOSE CALLS, NEAR MISSES AND INJURIES

“INJURY”

April 28th 2023---IUEC Safety Stand Down Day



Incident Report

Control Type: Electric

Machine Type: Traction

Speed: 200 FPM

Capacity: 1500 lbs.

Rise: 7 Stops

Configuration: Corner Post Duplex

- A crew was installing a new cab on an elevator which is part of a duplex configuration. The cars have corner post rails, no divider beams, and 6 inches of clearance between the cars.
- The mechanic was working inside the car attempting to line up the new transom to the walls. The apprentice was on the landing leaning into the hoistway tightening the bolts on the newly installed transom and cartop.
- As the apprentice was performing his task, the adjacent car, which had not been taken out of service, came down to the 2nd landing (lobby floor) where the work was being performed.
- The adjacent car struck the apprentice in the back of his head; the impact caused him to hit his face on the elevator they were working on, leading to a laceration on his face.

Current Status:

The apprentice was taken to the nearest clinic where tests were completed to ensure no further injuries were sustained during the accident. The apprentice has since returned to work.



Recommendations and Lessons Learned



- Always follow the company safety policy
- Always perform a JHA/JSA per company policy
- Possible root causes:
 - The team was told by the building and the General Contractor that the adjacent car was not to be shut off under any circumstances.
 - When performing work with an adjacent running car, clearances need to be such that employees are not at risk of injury. With the impossibility of screening between the two cars, measures need to be taken to ensure the safety of the worker.
- Field Employees' Safety Handbook
 - Section 7: Lockout and Tagout
 - 7.1 Procedures
 - (a) Understand the equipment; be aware of its potential hazards. If it is not understood, or if you have a question, contact your Superintendent/Manager immediately before proceeding.
 - Section 8: Hoistways and Machine Rooms
 - 8.3 Hoistway Screening

Where an elevator is operating in a multiple hoistway, and construction or modernization work is to be performed in an adjacent portion of that multiple hoistway, that portion of the elevator's hoistway where the work is to be performed shall be fully separated. The material used for this separation shall:

 - (a) be equal to or stronger than 0.0437 in. (1.118 mm) dia. Wire;
 - (b) have openings not exceeding 1 in. (25 mm);
 - (c) be so supported and braced so as to not deflect into the code required running clearance of the adjacent car; and
 - (d) be in accordance with local code.