

## CONTRACTOR GENERAL CHECKLIST FOR QEI INSPECTION NEW INSTALLATION

### MACHINE ROOM.

1. Where building code requires fire resistive construction. It shall conform to A17.7-2007, (2.7.1.1.1) and (2.7.1.1.2).

Which states spaces containing machines, motor controllers, sheaves, and other machinery shall be separated from the remainder of the building by a fire rated enclosure conforming the requirements of the building code. Also openings in room and space enclosures shall be protected with access doors having a fire protection rating conforming to the requirements of the building code.
2. Entrance door must be a minimum height of 80" and width of 29.5", and keys to unlock the door must be a group 2 Security. Code reference A17.1-2007, (2.7.3.4.2).
3. Entrance door must be self closing and self locking, and provided with a spring-type lock arranged to permit the doors to be opened from the inside without key. Also kept closed and locked.

Code reference A17.1-2007, (2.7.3.4.1).
4. Headroom clearance must be a minimum of 84". Code reference A17.1-2007(2.7.4.1)
5. Lighting must be a minimum of (19fc) at the floor level. Code reference A17.1-2007(2.7.9.1)
6. Provide an independent means of ventilation (natural or mechanical) to maintain the ambient temperature and the humidity in the range specified by elevator manufacture. Code reference A17.1-2007(2.7.9.2)
7. Air conditioning equipment shall not be located directly above elevator equipment. Code reference A17.1-2007(2.8.5.1).
8. Air conditioning equipment shall have means to collect and drain condensation water from these spaces. Code reference A17.1-2007(2.8.5.3).
9. Light switch must be located at the point of entry adjacent to locking jamb of entry doorway. Code reference NFPA-70-2008(620.23(B)).
10. Must have a Ground fault Circuit Interrupter plug installed in machine room. Code reference NFPA-70-2008(620.85).
11. Must have a separate branch circuit to supply lighting and receptacles. Code reference NFPA-70-2008(620.23(A)).
12. Disconnects for elevator main line and cab lighting shall be fused (dual element) or circuit breaker (thermal trip) type capable of being locked in the open position. Code reference NFPA-70-2008(620.51(A)).
13. Disconnects must be labeled for purpose and location of the supply side of overcurrent protection. Code reference NFPA-70-2008(620.51(D))

14. Air conditioning units must have a dedicated branch circuit. The overcurrent device must be located in the elevator machine room space. Code reference NFPA-70-2008(620.22(B)).
15. Must be sized accordingly for proper clearances between all electrical and mechanical equipment. Code reference NFPA-70-2008(110.26(A)(1)).
16. Is required to have an ABC fire extinguisher. Code Reference A17.1-2007(8.6.1.6.5).
17. Is required to have a smoke detector. Code reference A17.1-2007(2.27.3.2.1)
18. Where sprinklers are required, comply with A17.1.-2007, NFPA-70-2008 and local enforcing authorities.
19. Phone line must be installed in EMT conduit. Code Reference NFPA-70-2008(620.21).
20. Electrical piping or duct must be installed in accordance with NFPA-70-2008(620.21(3)).
21. Cannot be used to store any articles or material not necessary for the maintenance or operation of elevator. Code reference A17.1-2007(8.6.4.8.2).

REVIEW ALL POSSIBLE REQUIREMENTS WITH YOUR STATE ELEVATOR INSPECTOR. BE SURE ALL WORK IS COMPLETE AND ALL DEVICES FUNCTION PROPERLY BEFORE REQUESTING THE FINAL INSPECTION THROUGH YOUR ELEVATOR SUBCONTRACTOR. IF WISH TO HAVE ME PERFORM A PRE-INSPECTION PRIOR TO THE OFFICIAL ELEVATOR INSPECTION, PLEASE CONTACT ME.