

Montgomery County Public Schools Facilities Guide

DIVISION 16 – ELECTRICAL

**SECTION 16150 WIRING CONNECTIONS - ELEVATORS**

**PART 1 – GENERAL**

- A. Elevator Machine Rooms (EMR):
  - 1. Coordinate installation with the State of Maryland Elevator Inspector.
  - 2. Add a \$3,000.00 allowance for a third party elevator inspector.
  - 3. Elevator feeder power shall have a 3 pole circuit breaker in a NEMA 12 enclosure lockable in the open position with a shunt trip fire alarm system. Provide N.O./N.C. auxiliary contacts used to signal battery lowering system if required. Mount circuit breaker adjacent to door jamb.
  - 4. Provide a 2 pole fused disconnect fused at 20 amps for elevator cab lights.
  - 5. Provide two GFCI receptacles: one for elevator sump pump and the other for convenience.
  - 6. Provide an outlet box and empty  $\frac{3}{4}$ " conduit to nearest accessible ceiling space for telephone cables.
  - 7. Provide a smoke detector in the EMR
  - 8. Provide a heat detector adjacent to each sprinkler head.
  - 9. Elevator machine room requires 19 foot-candles as measured at the floor.
  - 10. Elevator sill at each landing requires 10 foot-candles as measured at the sill.
  - 11. Provide a 4 foot, two tube, vapor-proof, fluorescent light in the elevator pit to provide 10 foot-candles at the elevator pit floor.
- B. Other Elevator Related Areas.
  - 1. Provide a smoke detector at each elevator landing.
  - 2. Provide a heat detector at the top of the elevator shaft adjacent to each sprinkler head and in the pit if sprinklers are required in the pit.
  - 3. Provide a smoke detector in the bottom of the elevator shaft.