

SECTION 14 20 00 – ELEVATORS

PART 1 - PASSENGER ELEVATOR

The A/E is fully responsible for code compliance for the design and specification of the elevator, machine room, and shaft as part of the Contract Documents for the project. In all instances, utilize the latest adopted codes that apply to each discipline. See <http://www.in.gov/dhs/fire-and-building-safety/elevators-and-amusement-rides/> for a listing of information pertaining to Elevator/Amusement Ride Safety Section of the State of Indiana and downloadable applications.

The A/E is to coordinate with the Owner's Elevator Consultant (if applicable) during design.

1. Preference is a holeless hydraulic elevator for less than five stops. Elevators over five stops can be traction elevators.
2. Certification: Elevator contractor shall have a licensed electrical contractor to install all electrical power.
3. Interior wall finish to be stainless steel wall panels. Hooks and protection pads shall be included. Interior cab and exterior door and frame finishes shall be coordinated with Owner during design process.
4. Control panels shall feature vandal-resistant controls with tamper-proof screws.
5. Maintenance service: 12 months from date of project substantial completion. Architect to coordinate planned elevator maintenance contract with Owner and specify accordingly.
6. At minimum, one elevator shall be large enough to accommodate an emergency stretcher. For medical programs where the use of a Hospital Bed / Gurney is expected, coordinate with the Owner for program requirements.
7. Minimum Capacity/speed: 3,500 lbs. 150 feet per minute for hydraulic elevators, 200 feet per minute for traction elevators.
8. Unless otherwise directed, provide battery lowering device for emergency use in the event of a main power supply failure.
9. Fire Service Operation
10. For hydraulic elevators, all mechanical equipment shall be located in a dedicated room directly adjacent to the elevator shaft on the lowest level of the building.
 - A. Provide the Fire Service key switch at the main floor fire recall lobby pushbutton.
 1. Provide FEO-K1 cylinder for all Fire Service.
 2. Provide a lighted jewel to indicate Fire Service Operation.
 3. Engrave, etch, or emboss fire service instructions on the fixture cover in accordance with ASME A17.1a, Fig. 2.27.7.2 at the interior of the door where they may be seen only when the door is open.

- a. Locate the firefighter's control buttons and key switches behind a locked cabinet located near the upper end of the Car Operating Panel. Operation instructions may be labeled or stenciled on the inside of the cabinet door where they are visible only when the cabinet door is open.
- b. Provide etched, embossed, or engraved Fire Service operating instructions on the pushbutton cover at the main floor where the firefighter's recall key switch is located.

PART 2 - SERVICE ELEVATORS

The A/E is fully responsible for code compliance for the design and specification of the elevator, machine room, and shaft as part of the Contract Documents for the project. In all instances, utilize the latest adopted codes that apply to each discipline. See <http://www.in.gov/dhs/fire-and-building-safety/elevators-and-amusement-rides/> for a listing of information pertaining to Elevator/Amusement Ride Safety Section of the State of Indiana and downloadable applications.

The A/E is to coordinate with the Owner's Elevator Consultant (if applicable) during design.

1. Preference is a holeless hydraulic elevator for less than five stops. Elevators over five stops can be traction elevators.
2. Hooks and protection pads shall be included.
3. Maintenance Service: 12 months from date of project Substantial Completion. Architect to coordinate planned elevator maintenance contract with Owner and specify accordingly.
4. Controlled Access System shall be tied into the elevators on each floor – coordinate with security system.
5. Minimum Capacity: 4,500 lbs.