GeN2®

MACHINE-ROOMLESS
ELEVATOR SYSTEM

Job Site Requirements for General Contractors

HOISTWAY

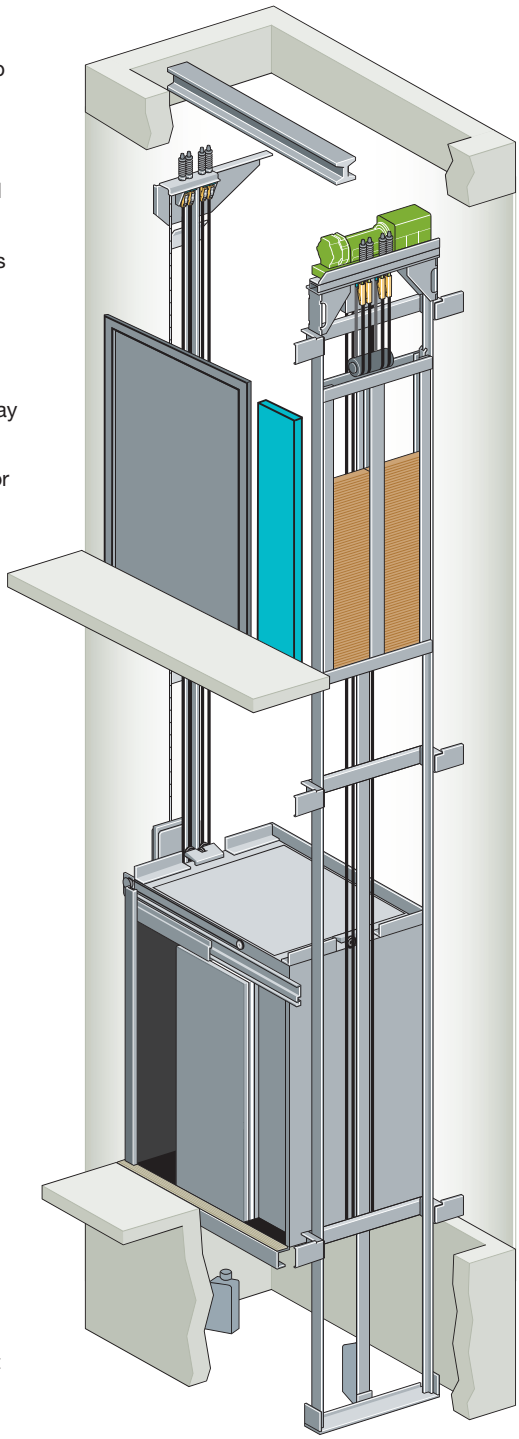
- Hoistway must be constructed per final layout drawings.
- The location of attachment support for the top rail bracket is at a critical elevation called out on the hoistway layout.
- An overhead beam must be provided at the location called out on the hoistway layout and designed to support 7,500 lbs per elevator.
- Provide a clear plumb hoistway with variations from the size shown on the Otis layout not to exceed -0"/+1" (25mm) and not less than the clear dimensions shown on the Otis layout.
- Prior to the start of installation, provide a dry, properly framed, enclosed and vented hoistway in accordance with all applicable codes.
- Front entrance wall at main and top landing, or landing below top landing if the controller is located there, is not to be constructed until or after all elevator equipment is installed in the hoistway.

SMOKE DETECTORS

- Provide smoke detectors, located as required, with wiring from the sensing devices to the controllers designated by Otis.
- If sprinklers are installed in the hoistway or machine space, a means to automatically disconnect the main line power supply upon or prior to the application of water is required (unless prohibited by local code).

PIT

- Pit floor designed to sustain vertical forces on car and counterweight rails and impact loads on car and counterweight buffers as shown on Otis layout.
- Pit must be clean and dry prior to start of installation.
- Fixed ladders in each pit as required by governing code, size of pocket and location shown per Otis layout.
- Light must have an external guard and be located at a point where illumination on the pit ladder base is no less than 10 foot candles.



ELECTRICAL

- For power conditions:
  - ***Three Phase*** *- provide a permanent three phase electrical feeder with separate grounding conductor terminating in controller either at the top landing or landing below before the start of the installation.*
  - ***Single Phase*** *- provide a permanent single phase electrical feeder with a separate grounding conductor terminating in the transformer located at the top of the hoistway before the start of installation.*
- Provide a temporary 220 volt, 30 amp single phase, 4 wire electrical supply for platform operation during construction and available at the start of elevator installation.
- Provide a 125 volt, 15 amp single phase branch circuit for the elevator car/light circuits at the start of the installation of the top landing.
- Provide a temporary 220 volt, 30 amp single phase, 4 wire electrical supply for platform operation during construction and available at the start of elevator installation.
- Provide a permanent light fixture at the top of the hoistway. Illumination specifications and location of the light switch are provided in the Otis layout.
- Install a permanent light fixture at the top landing entrance in the hall. Illumination specifications and location of the light switch are provided in the Otis layout.
- Provide electric power for lights tools, welding, hoisting, etc.
- Provide one dedicated outside telephone line, per elevator, and terminated at the controller.

BARRICADES MUST MEET OSHA MINIMUM REQUIREMENTS

- Provide guarding and protection of the hoistway during construction.
- Hoistway barricades shall be constructed, maintained, and removed by others.
- Provide a freestanding removable barricade at each hoistway opening at each floor.
- Barricades shall be 42" high, have centerboard and kick board and withstand 200 lbs. of lateral force.
- Provide full entrance screening/mesh in front of all hoistway entrances.

OTIS

Contractor is responsible for all items listed here, the Otis layout page, the Confirmation of Power Supply document and all code requirements. More stringent local building codes take precedence over elevator code.