

Work By Others – Where Applicable

The owner will provide the following requirements based on ANSI A17.1 Code, the governing code, except when applicable codes conflict with ANSI A17.1 Code. Rules referenced are ANSI A17.1 Rules.

Hoistway

1. Provide 75-degree bevel guards on all projections, recesses, or setbacks over two inches, except for the loading or unloading side.
2. Provide pit light and GFI outlet. Light switch to be located adjacent to each pit entrance. Note, please confirm with your governing jurisdiction the requirement for weatherproof devices in the event the hoistway is sprinkled.
3. Pit ladder meeting all required clearances must be provided, per elevator. Location to be coordinated by your Metro Elevator installation professional.
4. Provide a legal hoistway inclusive of ventilation and shaftway bevel guards, as required. Maintain the required fire rating of the shaft.
5. Cutting and patching walls and floors, and grouting of all sills to prevent tripping hazards. Patching and grouting around all frames as applicable to maintain the required fire rating.
6. In the event of taller floor to floor height, horizontal header supporting means should be incorporated. Consult your Metro Elevator installation professional for sizing, locations and feasibility.
7. Hoistway venting or pressurization to prevent accumulation of smoke and gas, as required by Local Building Code.
8. Sprinklers, where required, shall be located at the top and bottom of the hoistway per NFPA 13-2010 requirement 8.15.5.6 (see also 8.15.5.3 and A.8.15.5.3) or per other prevailing codes. Smoke detectors to initiate fireman's return service as required, in locations required by local codes.
9. Provide rail attachment points in hoistway to support the rated loads shown. Rail attachment points are required at indicated vertical locations and should align on a vertical plane. Intermediate supports if required should be supplied. This also includes required divider beams if applicable. Attachment points should be readily accessible, clean and should not encroach into the clear hatch dimensions.
10. Hoistbeam positioned per the elevator shop drawings to support a minimum of 7,500 pound static load.
11. Machine beam supports as indicated to withstand the corresponding imposed loads.
12. Adequate drainage as dictated by IBC and IPC to include oil remediation as required. Sump pumps, sump recesses and protecting grates may be required. If a sump pump is used, there must be a separate simplex circuit provided. The amount of drainage on a per hour basis is per elevator, not per shaft (shared shaft).
13. Hoistway Access doors for access to rope grippers, governors and/or other accessible devices are to be provided as needed. These doors should be lockable and maintain the proper labeling and fire rating.
14. For pits deeper than 10' or where a walk-in pit is provided, a pit access door should be provided.
15. Work platforms both temporary or permanent if required should be included. This is applicable to both machine and buffer access locations. Removal of temporary platforms if required for the associated installation is by others.

Machine Room / Control Space

1. All ASME A17.1 and NEC code clearances must be adhered to and maintained at all times in any machine / controller space.
2. Enclose/relocate all non-elevator-oriented conduit, ducts and drains from elevator machine room, where required in the machine hoistway and/or pit. Enclosures, when used, need to be two-hour rated.
3. Provide means to regulate control room temperature and humidity between 50° F and 95° F with relative humidity no more than 90% non-condensing.
4. Adequate head room and clearances to all devices should be maintained at all times.

5. Provide machine room smoke/heat detector as required by regulation. In the event sprinklers are anticipated within the machine room area, means to remove primary power prior to the application of water must be provided as required by code.
6. Provide proper lighting in the elevator machine rooms within the vicinity of every controller and mainline disconnect. This is also applicable to the elevator overhead space for proper machine / controller lighting.
7. Provide a self-closing self-locking machine room door. This door must maintain the proper UL/CSA label and fire rating.
8. Provide a fused disconnect switch or circuit breaker and a light switch adjacent to the lock jamb-side of the machine room door for each elevator location, per the National Electric Code. Rule 210.5 and NFPA No. 70 Rule 620-51. Provide auxiliary disconnects, as required, based on the elevator contractor's drawings.
9. Provide copper wire feeder and branch wiring circuits to the controller, including a main line switch and convenience outlets.
10. Provide a telephone outlet near an elevator controller in each machine room.
11. Provide a self-closing and locking access machine room door.
12. Provide an "ABC" fire extinguisher.
13. Provide any required coring in machine room and pit for new oil pipe run.
14. Provide pipe run and location for remote status panels, intercom devices, etc. Pipe sizing should be confirmed by Metro Elevator.
15. Any contacts, signals or transfer switches to communicate with an emergency power source as required.

General Requirements

1. All work is based on the latest applicable edition of the prevailing building code and ASME A17.1 with any corresponding local codes.
2. Unless otherwise indicated the above, work is based on normal working hours Monday through Friday (excluding all IUEC holidays). Due to efficiency reasons, working 4, ten-hour days may be included at the discretion of Metro Elevator.
3. Provide sufficient space for storage of materials on site throughout the duration of the project. Storage should be in close proximity to the elevator shaft at the ground floor.
4. Removable construction barricades must be provided at each opening and at any opening that creates a fall hazard. Barricades must comply with OSHA standards and at a minimum be 42" high with both a kick plate and a mid-guard. Screening or controlled access barriers must be provided at each opening.
5. Dumpster for disposal of existing elevator material and elevator packaging are to be provided, on-site.
6. Craning, forklifts, lulls or other lifting devices may be required depending on the specific elevator application. If required, they are to be provided at no cost to Metro Elevator, as pre-scheduled by both parties.
7. Cab Flooring
8. Power is required for installation and must be 3-phase of the same characteristics of the final building power suitable properly sized for the elevator equipment. 110V/220V feeds must be provided adjacent to the shaft openings for power tools and hoists if required.
9. Jobsite conditions must be dry with a weather tight hoistway.
10. If counterweight guarding is required, it must be provided by others.
11. Should the floor to floor travel exceed 36' an emergency access door between floors may be required.
12. Temporary platforms required for installation of machines, controls, and associated devices may be required based on the type of installation. If require they are to be furnish, installed and removed by trades other than Metro Elevator.
13. Any required raceways from machine room to machine room, shaft to shaft or from remote panels to the machine room, machine space, control room or control space should be provided by others.

The above information should be used as a guide only and is not the sole authority for all work to be performed to provide a complete, code compliant elevator system. All jurisdictional required codes would supersede this

information and should be consulted prior to installation. Metro Elevator is free from liability or cost associated with the failure for other trade contractors to comply with the above information or information as dictated by the prevailing building codes.