

## LULA – Code and Safety Requirements

### The Mechanical Room

- The mechanical room must have a self-closing door with a storeroom passage set (A *storeroom lock* is also always unlocked on the inside to allow for free egress. The outside lever is always rigid and requires a key to open the lock).
- The mechanical room must have an ABC/rated fire extinguisher attached to the wall.
- The mechanical room walls must have a minimum of a one-hour fire rating. The final determination of fire rating comes from the AHJ (Authority Having Jurisdiction).
- The mechanical room must have a headroom height of 80” clear throughout.
- The mechanical room must have a light with protected bulb. The switch must be within arms reach of the door.
- The mechanical room must have an 110vac, GFI duplex outlet.
- 14/2 gauge wire needed for lockable switch to control cab light, to be located on strike side of machine room door.
- 10/3 wire to 30 amp fused disconnect, to be located on the strike side of the machine room door.
- Must have a dedicated analog telephone line installed (most times a line grabber is permitted).

### The Shaft-Way

- Emergency lighting must be provided at each landing, outside the shaft-way
- A pick point in the shaft-way is required to hoist the parts into place. The pick point can be a ring, piece of chain or anything to which we can attach a chain fall. Many parts are very heavy and cumbersome and would be extremely dangerous to get into the shaft-way without a pick point and chain fall.
- A sump hole must be in the pit. The hole must be big enough to accommodate a portable sump pump.
- The door openings will be left fully unframed the entire width of the shaft-way until the doors are installed. After the doors are installed, the wall can be framed and the fire-rock can be installed on both sides. (Refer to Job Specific Drawings provided by Manufacturer; see door/sill section)
- The shaft needs to be vented unless otherwise documented. (If installing a National Wheel-O-Vator Evolution, venting not required by the New Hampshire State Elevator Inspector)
- The shaft-way must have a one-hour fire rating as a minimum. The final determination of the fire rating comes from the AHJ.
- The shaft-way must have a protected light and a 110 vac GFI duplex outlet in the pit. The pit light switch must be 4 feet above the finished first floor stop.

## **The Shaft-Way** (con't)

- There must be a protected light and 110 vac outlet in the shaft above the cab under the shaft ceiling.
- Local authorities will determine if a smoke and/or heat detector is required.
- If a sprinkler head is in the shaft-way or mechanical room it must have a shunt-trip breaker. This shunt-trip breaker must also have a relay that disconnects the 24vdc battery lowering feature.
- The floor of the LULA is unfinished and will require fire-rated flooring, Type 1A, to be provided and installed by others.
- Pit ladder is needed if pit is over 35"
- Blocking as described on the factory drawings needs to be installed on the rail wall through out the entire shaft-way.

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