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49% Documentation for Alteration of an Existing Elevator

KSFM Process for “material alteration” that constitutes a change to more than 49% of an elevator.

There are many factors to determining whether upgrades to an elevator have reached the threshold of the 49% material alteration standard that requires meeting ASME A17.1-2022. KSFM will require the following documentation to be provided from the owner/elevator company before determining what code shall be applied.

Is this a New Installation/Total Replacement? Yes No

*If No see list below and provide the information.

*If Yes you must bring the elevator up to New Code Standards

Documentation is to be submitted digitally as a package.

Contractors refer to ASME A17.1-2022 Sec 8.6.3 Replacements.

KSFM Process to determine a “material alteration” that may constitute a change to more than 49% of an elevator.

1. Contact a Licensed Elevator Contractor.
2. Have the Licensed Elevator Contractor do a bid/estimate for the elevator alteration.
It is suggested that a large elevator alteration have bids from more than one Licensed Elevator Contractor.
3. Once you have selected a contractor for your elevator Alteration, have the Licensed Elevator Contractor submit the below documentation to this office.
4. Once all the required documents are received by the state fire marshal's office, a packet will be assembled for processing.
5. The applicable code sections and machine history will be researched thoroughly with a detailed report that will be attached to the packet.
6. An assembled packet may be presented to the Elevator Advisory Board for advice before a decision is finalized.

Documentation from the Building Owner/Elevator Company:

- **Year of building construction.** *This will be the year of original construction including significant upgrades that have been made to structural, fire protection and electrical systems since original construction.*
- **Year of original elevator installation.** *The year of original installation.*
- **Existing Elevator specifications.** *Machine type, Manufacturer, Model, Speed & Capacity.*
- **List of components replaced since original installation.** *This includes for Traction installations, Hoisting Machines, Governors, and Controllers. For Hydraulic installations, Pumps, Tanks, Controllers and Pistons. Ropes and Rollers are maintenance items and are not considered in determining the 49% standard.*
- **Dates of replacement for major elevator components.** *Installation dates for the above items.*
- **Inspection Records.** *This includes periodic inspections and mechanical records from the MCP.*
- **Scope of New Work.** *(including but not limited to controller, wiring, power unit or traction machine, governor, car fixtures, door operator)*
- **Cost of components including labor.** *This will be a copy of the estimate that the licensed elevator contractor has given to the building owner on company letterhead.*