

875—71.10 (89A) Alterations. Alterations or changes shall comply with rule 875—72.13(89A) or rule 875—73.8(89A), as applicable. A conveyance that is relocated shall be brought into compliance with all codes that are applicable at the time of relocation.

71.10(1) Elevators. When any combination of alterations or changes is made that constitutes more than 50 percent of the elevator, the entire elevator shall be brought into compliance with ASME A17.1-2010/CSA B44-07, and it shall be deemed a new elevator.

a. Alterations or changes constitute more than 50 percent of the construction if they exceed 50 percent of the total points according to the following table:

Elevator Component	Hydraulic	Traction
Controller	31	26
Floor selector	4	8
Drive-MG-SCR	-	13
Main machine	-	15
Machine motor	5	7
Hoist ropes	4	8
Governor	4	7
Platform	9	9
Car fixtures	9	8
Cab	10	10
Safeties	6	7
Door operator	12	12
Hoistway door panels	11	10
Hoistway door frames	11	10
Hoistway hangers & tracks	11	11
Hoistway door locks	8	9
Traveling cable	6	9
Hoistway wiring	8	6
Hall fixtures	8	10
Buffers	6	6
Counterweight	4	7
Rails & brackets	10	18

Elevator Component	Hydraulic	Traction
Car & counterweight guides	6	6
Pump	9	-
Valve	9	-
Tank	9	-
Plunger	14	-
Cylinder	18	-
Total Points	242	232

b. If an elevator does not have one or more of the components in the chart above, and those components will not be added to the elevator during the alteration, the points for the component(s) shall be subtracted from the total points before a determination is made about whether the alteration or change constitutes 50 percent.

71.10(2) *Conveyances other than elevators.* With the exception of replacing brushes on or adding brushes to escalators, all alterations of conveyances other than elevators shall require that the entire conveyance be brought into compliance with the current code.

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