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*submitted by
Jeffrey Cooper*

NONMANDATORY APPENDIX L
INDEX OF ALTERATION REQUIREMENTS FOR ELECTRIC
ELEVATORS, HYDRAULIC ELEVATORS, ESCALATORS, AND
MOVING WALKS

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks	Permit Required
Access doors and openings	8.7.2.7.3	8.7.2.7.3	8.7.6.1.14, 8.7.6.2.14	Replace/repair- No New-Yes
Access, means	8.7.2.7.3	8.7.2.7.2	...	Replace/repair- No New-Yes
Access switch	8.7.2.11.4	8.7.3.11	...	Access switch- yes Unlocking device- no Replace/repair- No
Access to machine room and spaces	8.7.2.7.2, 8.7.2.7.3	8.7.2.7.2, 8.7.2.7.3	...	New-Yes
Addition of elevator to existing hoistway	8.7.2.1.2	8.7.2.1.2	...	Yes
Alternating current, change to direct	8.7.2.27.3	8.7.3.31.4	...	Yes
Anti-creep leveling device ... ..	...	8.7.3.31.3	...	Yes
Ascending car overspeed and unintended movement	8.7.2.20	...	...	Yes
Automatic stop valve	...	8.7.3.24	...	Replacement of valve with like-no Rest of rule-yes
Automatic transfer device	8.7.7.2	8.7.7.2	...	Yes
Auxiliary power lowering operation	...	8.7.3.31.9	...	Yes
Balustrades	...	...	8.7.6.1.5(c), 8.7.6.2.5(c)	Yes
Beam, machinery and sheave	8.7.2.9	8.7.3.9	...	Yes
Buffer	8.7.2.23	8.7.3.27	...	Replace/repair- No New-Yes
Building structure	8.7.2.9	8.7.3.9	...	Yes
Bumper	8.7.2.23	8.7.3.27	...	No
Cable (rope)	8.7.2.21	8.7.3.25	...	No
Capacity	8.7.2.16	...	...	Yes
Car, decrease or increase in dead weight of	8.7.2.15.2	8.7.3.2	...	Less than 5%-no More-yes
Car door or gate	8.7.2.14	8.7.3.13	...	Replace/repair- No New-Yes
Car enclosure	8.7.2.14, 8.7.2.27.7	8.7.3.13	...	Replace/repair- No New-Yes
Car frame	8.7.2.15.1	8.7.3.14 ...	...	Yes
Car leveling device	8.7.2.27.2	8.7.3.31.2	...	Replace/repair- No New-Yes
Car platform	8.7.2.15.1	8.7.3.14	...	Yes
Car safeties	8.7.2.18	8.7.3.15	...	Yes
Check valve	...	8.7.3.24	...	No
Class of freight loading, change of	8.7.2.16.2	8.7.3.18	...	Yes
Clearance, after reroping	8.7.1.7	8.7.1.7	...	No
Combplates	...	...	8.7.6.1.8, 8.7.6.2.8	No
Contact, mechanical lock and	8.7.2.11.2	8.7.3.11	...	No
Control, change in type of motion	8.7.2.27.5	8.7.3.31.6	...	Yes
Control, change in type of operation	8.7.2.27.6	8.7.3.31.7	...	Yes
Control equipment	8.7.2.27	8.7.3.31	...	Replace/repair- No New-Yes
Control of smoke and hot gas	8.7.2.1.5	8.7.2.1.5	...	Replace/repair- No New-Yes

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks	Permit Required
Control valve	...	8.7.3.24	...	Replace/repair- No New-Yes
Controller	8.7.2.27.4	8.7.3.31.5	...	Replace/repair- No New-Yes
Counterweight	8.7.2.22	8.7.3.26	...	Yes
Counterweight, location and guarding of	8.7.2.3	8.7.3.3	...	Yes
Counterweight safeties	8.7.2.18	8.7.3.15	...	Yes
Cylinder	...	8.7.3.23.3	...	Yes
Dead weight of car, increase or decrease in	8.7.2.15.2	8.7.3.21	...	Less than 5%-no More-yes
Decrease in travel	8.7.2.17.1	8.7.3.22.1	...	Yes
Design	8.7.1.5	8.7.1.5	8.7.1.5	Yes
Door, car	8.7.2.14	8.7.3.13	...	Yes
Door, hoistway	8.7.2.10.1	8.7.3.10	...	Replace/repair- No New-Yes
Door, machine room	8.7.2.7.3	8.7.2.7.3	...	Replace/repair- No New-Yes
Door, power operation of	8.7.2.12	8.7.3.12	...	Replace/repair- No New-Yes
Doors, Reopening Device	8.7.2.13	8.7.2.13	...	No
Doors, restricted opening	8.7.2.11.5	8.7.2.11.5	...	No
Driving machine	8.7.2.25.1	8.7.3.23	...	Replace/repair- No New-Yes
Driving machine, change in location of	8.7.2.25.2	8.7.3.23.4	...	Yes
Duct in hoistway or machine room	8.7.2.8	8.7.3.8	...	Replace/repair- No New-Yes
Dumbwaiter, addition of automatic transfer device	8.7.7.2	8.7.7.2	...	Yes
Egress, escalator	...	8.7.6.1.15	...	Yes
Electric contact, mechanical lock and	8.7.2.11.2	8.7.3.11	...	Replace/repair- No New-Yes
Electric wiring	8.7.2.8	8.7.3.8	8.7.6.1.14, 8.7.6.2.14	No
Electrically operated control valve	...	8.7.3.24	...	Replace/repair- No New-Yes
Emergency door	8.7.2.10.1	8.7.2.10.1	...	Replace/repair- No New-Yes
Emergency operation	8.7.2.28	8.7.3.31.8	...	Yes
Emergency signaling device	8.7.2.28	8.7.3.31.8	...	Replace/repair- No New-Yes
Enclosure, hoistway	8.7.2.1	8.7.3.1	...	Yes
Enclosure, machine room and machinery spaces	8.7.2.7	8.7.2.7	6.1.7, 6.2.7	Yes
Entrance, escalator and moving walk	...	...	8.7.6.1.15	Replace/repair- No New-Yes
Entrance, hoistway	8.7.2.10	8.7.3.10	...	Replace/repair- No New-Yes
Entrance, horizontal slide type	8.7.2.10.2	8.7.2.10.2	...	Replace/repair- No New-Yes
Entrance, swing type	8.7.2.10.4	8.7.2.10.4	...	Replace/repair- No New-Yes

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks	Permit Required
Entrance, vertical slide type	8.7.2.10.3	8.7.2.10.3	...	Replace/repair- No New-Yes
Fastening, suspension rope	8.7.2.21	8.7.3.25	...	No
Final terminal stopping device	8.7.2.26	8.7.2.26	...	No
Freight elevator, change in class of loading	8.7.2.16.2	8.7.3.18	...	Yes
Freight elevator changed to passenger service	8.7.2.16.1	8.7.3.17	...	Yes
Freight elevator permitted to carry passengers	8.7.2.16.3	8.7.3.19	...	Yes
Frequency, change in	8.7.2.27.3	8.7.3.31.4	...	No
Gate, car	8.7.2.14	8.7.3.13	...	Replace/repair- No New-Yes
Governor	8.7.2.19	8.7.3.16	...	Replace/repair- No New-Yes
Governor rope	8.7.2.19	8.7.3.16	...	No
Guide rail	8.7.2.24	8.7.3.28	...	Replace/repair- No New-Yes
Guide shoe, car	8.7.2.15.1	8.7.3.14	...	No
Guide shoe, counterweight	8.7.2.22	8.7.3.26	...	No
Handrails (escalators and moving walks)	...	...	8.7.6.1.6, 8.7.6.2.6	Replace/repair- No New-Yes
Headroom, machine room	8.7.2.7.4	8.7.2.7.4	...	Yes
Hoistway, addition of elevator to	8.7.2.1.2	8.7.2.1.2	...	Yes
Hoistway, construction at bottom of	8.7.2.1.4	8.7.2.1.4	...	Yes
Hoistway, construction at top of	8.7.2.1.3	8.7.2.1.3	...	Yes
Hoistway door, power operation of	8.7.2.12	8.7.3.12	...	Replace/repair- No New-Yes
Hoistway door interlocks	8.7.2.11.1	8.7.3.11	...	No
Hoistway door locking device	8.7.2.11	8.7.3.11	...	No
Hoistway door unlocking device	8.7.2.11.4	8.7.3.11	...	No
Hoistway enclosure	8.7.2.1	8.7.3.1	...	Yes
Hoistway entrance	8.7.2.10	8.7.3.10	...	No
Horizontal slide type entrance	8.7.2.10.2	8.7.2.10.2	...	Replace/repair- No New-Yes
Illumination in car	8.7.2.14	8.7.3.13	...	No
Inclination, angle of	...	...	8.7.6.1.5(a), 8.7.6.2.5(a)	Yes
Increase in dead weight of car	8.7.2.15.2	8.7.3.21	...	Less than 5%-no More-yes
Increase in rated load	8.7.2.16.4	8.7.3.20	...	Yes
Increase in rated speed	8.7.2.17.2	8.7.3.22.2	...	Yes
Increase in travel	8.7.2.17.1	8.7.3.22.1	...	Yes
Increase in working pressure	...	8.7.3.23.4	...	Less than 5%-no More-yes
Interlock	8.7.2.11.1	8.7.3.11	...	No
Jack, hydraulic	...	8.7.3.23	...	Yes
Load, increase in	8.7.2.16.4	8.7.3.20	...	Yes
Loading, change in class of	8.7.2.16.2	8.7.3.18	...	Yes
Location of driving machine, change of	8.7.2.25.2	8.7.3.23.4	...	Yes
Location of hydraulic jack, change of	...	8.7.3.23.5	...	Yes
Location of hydraulic machine (power unit), change of	...	8.7.3.23.6	...	Yes
Lock and contact	8.7.2.11.2	8.7.3.11	...	No
Locking device, hoistway door	8.7.2.11	8.7.3.11	...	No
Passenger elevator changed to freight service	8.7.2.16.1	8.7.3.17	...	Yes
Passengers, carrying of on freight elevators	8.7.2.16.3	8.7.3.19	...	Yes
Phase I and II operation	8.7.2.28	8.7.3.31.8	...	Yes
Piston	...	8.7.3.23.2	...	Replace/repair- No New-Yes

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks	Permit Required
Plunger	...	8.7.3.23.2	...	Replace/repair- No
Power unit (hydraulic machine)	...	8.7.3.23.6	...	New-Yes Replace/repair- No
Pressure tank	...	8.7.3.29	...	New-Yes Replace/repair- No
Pressure, working, increase of	...	8.7.3.23.4	...	New-Yes
Pressurization of hoistway	8.7.2.1.5	8.7.3.1	...	Yes
Rated load, increase in	8.7.2.16.4	8.7.3.20	8.7.6.1.11, 8.7.6.2.11	Yes
Rated speed, decrease in	8.7.2.17.3	8.7.3.22.3	...	Yes
Rated speed, increase in	8.7.2.17.2	8.7.3.22.2	...	Yes
Relocation of escalator	...	...	8.7.6.1.2	Yes
Relocation of hydraulic machine	...	8.7.3.23.6	...	Yes
Relocation of moving walk	...	...	8.7.6.2.2	Yes
Reroping	8.7.2.21.1	8.7.3.25	...	No
Rise, increase or decrease in	8.7.2.17.1	8.7.3.22.1	...	Yes
Rope, change in material, grade, number, or dia-	8.7.2.21.1	8.7.3.25.1	...	Yes
Rope, governor	8.7.2.19	8.7.3.16	...	No
Rope, replacement of	8.7.1.7	8.7.1.7	...	No
Screw column elevators	8.7.4.2	...	...	...
Service, change in type of	8.7.2.16.1	8.7.3.17	...	Yes
Sheave, driving machine	8.7.2.25.1	8.7.2.25.1	...	Yes
Sheave, governor	8.7.2.19	8.7.2.19	...	Yes
Sheave beam	8.7.2.9	8.7.3.8	...	Yes
Shipboard elevators	8.7.5.8	...	...	...
Shortening of suspension rope	8.7.1.7	8.7.1.7	...	No
Special purpose elevators	8.7.5.7	...	...	...
Speed, increase in	8.7.2.17.2	8.7.3.22.2	...	Yes
Speed governor	8.7.2.19	8.7.3.16	...	Yes
Spring buffer	8.7.2.27	8.7.3.27	...	Replace/repair- No
Step system	...	...	8.7.6.1.7	New-Yes Replace/repair- No
Stop switch, in-car	8.7.2.14.5	8.7.3.13, 8.7.2.14.5	...	New-Yes No



submitted by Gary Herrington

NONMANDATORY APPENDIX L INDEX OF ALTERATION REQUIREMENTS FOR ELECTRIC ELEVATORS, HYDRAULIC ELEVATORS, ESCALATORS, AND MOVING WALKS

PERMITS REQUIRED FOR ALTERED, REPAIR OR REPLACEMENTS
ALTERED = A - REPAIR = R, REPLACEMENTS = C

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
A Access doors and openings	8.7.2.7.3 A	8.7.2.7.3	8.7.6.1.14, 8.7.6.2.14
A Access, means	8.7.2.7.3	8.7.2.7.2	...
A Access switch	8.7.2.11.4	8.7.3.11	...
A Access to machine room and spaces	8.7.2.7.2, 8.7.2.7.3	8.7.2.7.2, 8.7.2.7.3	...
A Addition of elevator to existing hoistway	8.7.2.1.2	8.7.2.1.2	...
A Alteration requirements	8.7.1.1	8.7.1.1	8.7.1.1 TERM. OF
A Alternating current, change to direct	8.7.2.27.3	8.7.3.31.4	...
A Anticreep leveling device	...	8.7.3.31.3	...
A C Ascending car overspeed and unintended movement	8.7.2.20	...	...
A Automatic stop valve	...	8.7.3.24	...
A Automatic transfer device	8.7.7.2	8.7.7.2	...
A Auxiliary power lowering operation	...	8.7.3.31.9	...
A Balustrades	...	...	8.7.6.1.5(c), 8.7.6.2.5(c)
A C Beam, machinery and sheave	8.7.2.9	8.7.3.9	...
A C Brake	8.7.2.25.1	...	...
A Buffer	8.7.2.23	8.7.3.27	...
A Building structure	8.7.2.9	8.7.3.9	...
A Bumper	8.7.2.23	8.7.3.27	...
A CAR OPERATING PANEL	8.7.2.27	8.7.3.31	...
A Cable (rope)	8.7.2.21	8.7.3.25	...
A Capacity	8.7.2.16	...	...
A Car, decrease or increase in deadweight of	8.7.2.15.2	8.7.3.21	INCREASE OR DECREASE OF MORE THAN 5%
A Car door or gate	8.7.2.14	8.7.3.13	...
A Car enclosure	8.7.2.14, 8.7.2.27.7	8.7.3.13	...
A C Car frame	8.7.2.15.1	8.7.3.14	...
A Car leveling device	8.7.2.27.2	8.7.3.31.2	...
A C Car platform	8.7.2.15.1	8.7.3.14	...
A C Car safeties	8.7.2.18	8.7.3.15	...
A Check valve	...	8.7.3.24	...
A Class of freight loading, change of	8.7.2.16.2	8.7.3.18	...
A Clearance, after reroping	8.7.1.7	8.7.1.7	...
A Clearance, bottom and top	8.7.2.4	8.7.3.4	...
A Clearance, horizontal	8.7.2.5	8.7.3.5	...
A C Combplates	...	...	8.7.6.1.8, 8.7.6.2.8
A Construction at bottom of hoistway	8.7.2.1.4	8.7.2.1.4	...
A Construction at top of hoistway	8.7.2.1.3	8.7.2.1.3	...
A Construction requirements (escalators and moving walks)	...	...	8.7.6.1.5, 8.7.6.2.5
A Contact, mechanical lock and	8.7.2.11.2	8.7.3.11	...
A Control, change in type of motion	8.7.2.27.5	8.7.3.31.6	...
A Control, change in type of operation	8.7.2.27.6	8.7.3.31.7	...
A Control equipment	8.7.2.27	8.7.3.31	...
A Control of smoke and hot gas	8.7.2.1.5	8.7.2.1.5	...
A C Control valve	...	8.7.3.24	...
A C Contoller	8.7.2.27.4	8.7.3.31.5	...
A C Counterweight	8.7.2.22	8.7.3.26	...

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Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
AP Counterweight, location and guarding of	8.7.2.3	8.7.3.3	
AP Counterweight, rod type	8.7.2.22.2	...	...
AP Counterweight safeties	8.7.2.18	8.7.3.15	...
AP Cylinder	...	8.7.3.23.3	...
Data plate, code	8.7.1.8	8.7.1.8	8.7.1.8
A Deadweight of car, increase or decrease in	8.7.2.15.2	8.7.3.21 (MORE Than 5%)	
A Decrease in travel	8.7.2.17.1	8.7.3.22.1	...
A Design	8.7.1.5	8.7.1.5	8.7.1.5
A Direct current, change to alternating	8.7.2.27.3	8.7.3.31.4	...
A Door, car	8.7.2.14	8.7.3.13	...
AP Door, hoistway	8.7.2.10.1	8.7.3.10	...
A Door, machine room	8.7.2.7.3	8.7.2.7.3	...
A Door, power operation of	8.7.2.12	8.7.3.12	...
A Doors, Reopening Device	8.7.2.13	8.7.2.13	...
A Doors, restricted opening	8.7.2.11.5	8.7.2.11.5	...
AP Driving machine	8.7.2.25.1	8.7.3.23	...
AP Driving machine, change in location of	8.7.2.25.2	8.7.3.23.4	...
A Duct in hoistway or machine room	8.7.2.8	8.7.3.8	...
AP Dumbwaiter, addition of automatic transfer device	8.7.7.2	8.7.7.2	...
AP Dumbwaiters without automatic transfer devices	8.7.7	8.7.7	...
A Egress, escalator	...	8.7.6.1.15	...
A Electric contact, mechanical lock and	8.7.2.11.2	8.7.3.11	...
A Electric wiring	8.7.2.8	8.7.3.8	8.7.6.1.14, 8.7.6.2.14
AP Electrically operated control valve	...	8.7.3.24	...
A Emergency door	8.7.2.10.1	8.7.2.10.1	...
A Emergency operation	8.7.2.28	8.7.3.31.8	...
A Emergency signaling device	8.7.2.28	8.7.3.31.8	...
A Enclosure, car	8.7.2.14, 8.7.2.27.7	8.7.3.13	...
A Enclosure, hoistway	8.7.2.1	8.7.3.1	...
A Enclosure, machine room and machinery spaces	8.7.2.7	8.7.2.7	6.1.7, 6.2.7
A Entrance, escalator and moving walk	...	...	8.7.6.1.15
AP Entrance, hoistway	8.7.2.10	8.7.3.10	...
AP Entrance, horizontal slide type	8.7.2.10.2	8.7.2.10.2	...
AP Entrance, swing type	8.7.2.10.4	8.7.2.10.4	...
AP Entrance, vertical slide type	8.7.2.10.3	8.7.2.10.3	...
AP Entrance assembly, marking of	8.7.2.10.5	8.7.2.10.5	...
A Equipment, non elevator	8.7.2.8	8.7.2.8	...
Fastening, suspension rope	8.7.2.21	8.7.3.25	...
A Final terminal stopping device	8.7.2.26	8.7.2.26	...
AP Firefighters' service	8.7.2.28	8.7.3.31.6	...
A Fitting, hydraulic	...	8.7.3.24	...
A Foundation	8.7.2.9	8.7.3.8	...
AP Frame, car	8.7.2.15.1	8.7.3.14	...
A Freight elevator, change in class of loading	8.7.2.16.2	8.7.3.18	...
A Freight elevator changed to passenger service	8.7.2.16.1	8.7.3.17	...
A Freight elevator permitted to carry passengers	8.7.2.16.3	8.7.3.19	...
A Frequency, change in	8.7.2.27.3	8.7.3.31.4	...
A Gate, car	8.7.2.14	8.7.3.13	...
A General requirements	8.7.1	8.7.1	8.7.6.1.1, 8.7.6.2.1
A Geometry	...	...	8.7.6.1.5(b), 8.7.6.2.5(b)
AP Governor	8.7.2.19	8.7.3.16	...
A Governor rope	8.7.2.19	8.7.3.16	...
AP Guide rail	8.7.2.24	8.7.3.28	...
A Guide shoe, car	8.7.2.15.1	8.7.3.14	...
A Guide shoe, counterweight	8.7.2.22	8.7.3.26	...

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Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks	
A	Parking device	8.7.2.11.3	8.7.3.11	...
A	Passenger elevator changed to freight service	8.7.2.16.1	8.7.3.17	...
A	Passengers, carrying of on freight elevators	8.7.2.16.3	8.7.3.19	...
A	Phase I and II operation	8.7.2.28	8.7.3.31.8	...
A	Phases, change in number of	8.7.2.27.3	8.7.3.31.4	...
A B	Pipe in hoistway or machine room	8.7.2.8	8.7.3.8	...
A B	Piping supply	...	8.7.3.24	...
A C	Piston	...	8.7.3.23.2	...
A	Pit	8.7.2.2	8.7.3.2	...
A C	Platform, car	8.7.2.15.1	8.7.3.14	...
A P	Plunger	...	8.7.3.23.2	...
A	Power operation of hoistway door	8.7.2.12	8.7.3.12	...
A	Power supply, change in	8.7.2.27.3	8.7.3.31.4	...
A C	Power unit (hydraulic machine)	...	8.7.3.23.6	...
A C	Pressure tank	...	8.7.3.29	...
A	Pressure, working, increase of <i>MORE THAN 5%</i>	...	8.7.3.23.4	...
A	Pressurization of hoistway	8.7.2.1.5	8.7.3.1	...
A	Protection of floor openings	...	...	8.7.6.1.3, 8.7.6.2.3
A	Protection of space below hoistway	8.7.2.6	8.7.3.6	...
A C	Protection of truss and machinery spaces against fire	...	...	8.7.6.1.4, 8.7.6.2.4
A	Rack and pinion	8.7.4.1	...	...
A	Rated load, increase in <i>more than 5%</i>	8.7.2.16.4	8.7.3.20	8.7.6.1.11, 8.7.6.2.11
A	Rated speed, decrease in	8.7.2.17.3	8.7.3.22.3	...
A	Rated speed, increase in	8.7.2.17.2	8.7.3.22.2	...
A B	Relief valve	...	8.7.3.24	...
A	Relocation of escalator	...	...	8.7.6.1.2
A	Relocation of hydraulic machine	...	8.7.3.23.6	...
A	Relocation of moving walk	...	...	8.7.6.2.2
A	Repair	8.7.1.7	8.7.1.7	...
A	Replacement <i>TERM</i>	8.7.1.7	8.7.1.7	8.7.1.7
A	Reropeing	8.7.2.21.1	8.7.3.25	...
A	Restricted opening of doors	8.7.2.11.5	8.7.2.11.5	...
A	Rise, increase or decrease in	8.7.2.17.1	8.7.3.22.1	...
A	Roller guide shoe, counterweight	8.7.2.22	8.7.2.22	...
A	Roof top elevators	8.7.5.6	8.7.5.6	...
A B	Rope, change in material, grade, number, or diameter	8.7.2.21.1	8.7.3.25.1	...
A	Rope, governor	8.7.2.19	8.7.3.16	...
A	Rope, replacement of	8.7.1.7	8.7.1.7	...
A	Rope, splicing of	8.7.1.7	8.7.1.7	...
A	Rope, suspension	8.7.2.21.1	8.7.3.25	...
A	Rope equalizer	8.7.2.21.3	8.7.3.25.2	...
A	Runby	8.7.2.4	8.7.3.4	...
A	Runby, after reropeing	8.7.2.4	8.7.3.4	...
A C	Safeties	8.7.2.18	8.7.3.15	...
A	Safety devices	...	...	8.7.6.1.13, 8.7.6.2.13
A C	Screw column elevators	8.7.4.2	...	...
A	Service, change in type of	8.7.2.16.1	8.7.3.17	...
A C	Sheave, driving machine	8.7.2.25.1	8.7.2.25.1	...
A C	Sheave, governor	8.7.2.19	8.7.2.19	...
A C	Sheave beam	8.7.2.9	8.7.3.8	...
A	Shipboard elevators	8.7.5.8	...	...
A	Shortening of suspension rope	8.7.1.7	8.7.1.7	...
A C	Sidewalk elevators	8.7.5.5	8.7.5.5	...
A	Signaling device	8.7.2.28	8.7.3.31.6	...
A C	Skylight in machine room	8.7.2.7.5	8.7.3.7	...
A C	Sleeving	...	8.7.3.23.3	...
A	Smoke, control of	8.7.2.1.5	8.7.2.1.5	...
A	Special purpose elevators	8.7.5.7	...	...

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
A Speed, increase in	8.7.2.17.2	8.7.3.22.2	...
Ar Speed governor	8.7.2.19	8.7.3.16	...
A Spring buffer	8.7.2.27	8.7.3.27	...
A Step system	...	...	8.7.6.1.7
A Stop switch, in-car	8.7.2.14.5	8.7.3.13, 8.7.2.14.5	...
Ar Stop valve	...	8.7.3.24	...
A Stopping device, terminal	8.7.2.26	8.7.3.30	...
Ar Storage and discharge tank	...	8.7.3.29	...
Ar Supply piping	...	8.7.3.24	...
Ar Support	8.7.2.9	8.7.3.9	...
A Suspension rope	8.7.2.21.1	8.7.3.25	...
A Suspension rope, replacement of	8.7.1.7	8.7.1.7	...
A Suspension rope, splicing of	8.7.1.7	8.7.1.7	...
A Suspension rope equalizer	8.7.2.21.2	8.7.3.25.2	...
Ar Swing type entrance	8.7.2.10.4	8.7.2.10.4	...
A Tank	...	8.7.3.29	...
Temporary wiring	8.7.1.6	8.7.1.6	8.7.1.6
A Terminal stopping device	8.7.2.26	8.7.3.30	...
Testing	8.7.1.3	8.7.1.3	8.7.1.3
A Top of car operating device	8.7.2.27.1	8.7.3.31.1	...
Ar Track system	...	...	8.7.6.1.10, 8.7.6.2.10
A Transfer devices, automatic	8.7.7.2	8.7.7.2	...
A Travel, increase or decrease in	8.7.2.17.1	8.7.3.22.1	...
A Treadway system	...	...	8.7.6.2.7
Ar Truck zoning device	8.7.2.27.2	8.7.3.31.2	...
Ar Trusses and girders	...	...	8.7.6.1.9, 8.7.6.2.9
A Type of operation, change in	8.7.2.27.6	8.7.3.31.5	...
A Type of service, change in	8.7.2.16.1	...	...
A Unlocking device, hoistway door	8.7.2.11.4	8.7.3.11	...
Ar Valve	...	8.7.3.24	...
A Ventilation of machine room	8.7.2.7.7	8.7.2.7.7	...
Ar Vertical slide type entrance	8.7.2.10.3	8.7.2.10.3	...
A Voltage, change in	8.7.2.27.3	8.7.3.31.4	...
Ar Walls, hoistway enclosure	8.7.2.1.1	8.7.3.1	...
A Welding	8.7.1.4.8.8	8.7.1.4.8.8	8.7.1.4.8.8 8.7.1.4
Ar Window in machine room	8.7.2.7.5	8.7.2.7.5	...
A Wire rope	8.7.2.21	8.7.3.25	...
A Wiring	8.7.2.8	8.7.3.8	...
A Wiring, temporary	8.7.1.6	8.7.1.6	8.7.1.6
A Working pressure, increase in	...	8.7.3.23.4	MORE THAN 5%