



Colorado Conveyance Program Requirements

(Revised 01-01-2020)

Requirement	Regulation Section (7 CCR 1101-8)	Comments
Conveyances regulated and not regulated	1-5(1-4)	
Registration of Conveyances	2-1	\$200 per conveyance; always with OPS regardless of location in Colorado
Code editions adopted	2-2	
OPS can delegate regulation to AHJ	3-1	
AHJ can regulate in addition to OPS	2-2(2)	Contractor and Inspector must be aware of local AHJ requirements
Annual (Periodic) inspection requirement	2-3-1-1(1)	
Inspection 3rd-party status & code of ethics		QEI-1
Applicable code edition for inspection	2-3-1-1(4)(b)(i) & (ii)	
Use of ASME A17.2 as guidance	2-3-1-1(4)(c)	
Inspector to obtain owner permission to inspect	2-3-1-1(4)(a)	
Certificate of Operation (CO) required for operation	2-3-1-2(1)	\$30 per conveyance
Completion of Inspection Report	2-3-1-1(4)(e)(f)	
Documenting violations	2-3-1-1(4)(e)	
CO not issued unless all previous deficiencies are corrected	2-3-1-2(3)	
Temporary CO	2-3-1-3	Refer to Table 1 of this document \$30 per conveyance; 60-day term, no renewal
Construction CO	2-3-1-4	\$30 per conveyance; 90-day term, renewal allowed with inspection
Shutdown of dangerous conveyance	2-8	Contact any OPS staff
Dormant conveyance	2-9	5-year term, no renewal
Removed From Service conveyance	2-10	Per ASME A17.1 – 8.11.1.4; Test and inspect to place back in service
Conditions for exemption from ASME A17.3 (code for existing elevators [retro requirements])	2-7(1)	Unless a material risk exists or a substantial alteration is performed
Firefighter's service operation upgrade by January 1, 2015 unless ONE of the following: <ul style="list-style-type: none"> • Compliant w/ ASME A17.1 - 1981 rules 211.1 & 211.3 • < 75 ft travel above or below emergency access • Building is fully sprinkled according to IBC (NFPA 13) 	2-7(2)	
Door Restrictors must be operating as intended on elevators installed after January 1, 1990	2-7(3)	Refer to Table 1 of this document
Hydraulic single-bottom cylinder mitigation	2-7(4)	Due date Dec 31, 2013 unless extended by OPS
Private residence conveyance equipment (PRE): <ul style="list-style-type: none"> • Conditional allowance to remain in an existing commercial building • Disallowance of installation in commercial building 	2-7(5)	Existing building: Must be installed before 1-1-2008, be registered, and comply with ASME A17.1-5.3. Alteration to a PRE shall include bringing the elevator into compliance with currently adopted edition of ASME A17.1 or replacement with a conveyance in compliance with currently adopted edition of ASME A18.1.
Code data plate required if conveyance was installed after 7-1-1997; refer to the code edition in effect prior to 7-1-1997	2-7(6)	
Annual safety test to be within 120 days prior to certificate expiration	2-3-2(3)	Compliance date January 1, 2020; <i>See note in footer of Table 2.</i>
Test witness procedures	2-3-2(8)	
Frequency of ASME A17.1 and ASME A18.1 Category 1 & 5 tests	2-3-2(1)-(9)	Refer to Table 2 of this document
Alteration - general	2-4-1(1)	\$150 per conveyance; 180-days to begin work
Minor Alteration types	2-4-1(4)(a)	Inspect only altered component(s)
Minor Alteration (including elevator cab interiors, hydraulic jack replacement)	2-4-1-1	No permit needed if repair, refinish, or change lamps
Major and Substantial Alteration types	2-4-1(4)(b)(c)	Full acceptance inspection
New installation	2-4-2	\$300 per conveyance; 1 year to begin work
Report accident within 24 hours	2-6(2)(b)	cdle_conveyance@state.co.us
Owner or Managing Agent completes preliminary accident investigation	2-6(2)	Determine if accident is result of equipment malfunction, if not, can place into service
If malfunction is identified, the equipment is inspected prior to and after repair, then owner completes and submits Accident Report	2-6(3)	

Table 1. Elevator and Escalator – Contact OPS when requesting a shutdown

Violations Warranting TCO or Shutdown for Elevators		
Deficiency Identified	TCO	Shutdown
Failure of witnessed acceptance tests for a new installation or alteration.		X
Failure of components tested with full load (or via alternative testing) during a witnessed Category 5 test (see Section 2-3-2 of these regulations), such as, brakes, car and counterweight safeties, governor, buffer, or overspeed valve.		X
Required electrical protective safety device missing or inoperable (stop switch, door interlock, final terminal stop, car top exit device, etc.)		X
Any past due safety tests as listed in Table 2-3-2 of regulations.	X	
Maintenance Control Program (MCP) is missing or is not complete	X	
Failure of Category 1 (see Section 2-3-2 of these regulations) test items listed on the Administrator's test form except for the items listed in rows below.		X
Governor rope nominal size is: <ul style="list-style-type: none"> Less than 8mm and is undersized, the wire break criteria is not met, or there is evidence of rouging. Greater than 8mm and is undersized or the wire break criteria is not met. 	X	
Wire suspension means are undersized or have breaks not meeting code requirements.	X	
Suspension means monitoring devices are missing or inoperable.	X	
Door restrictors are missing or inoperable for elevators: <ul style="list-style-type: none"> Installed between January 1,1990 to present Altered between January 1,1990 and present, where the alteration required the installation door restrictors (i.e., alteration of hoistway openings or change in type of service) Where there is evidence that door restrictors have been previously installed on the elevator 	X	
Top and/or bottom hoistway door retainers are missing. (NOTE: Required hoistway door bottom guides that are missing requires shutdown.)	X	
Door closing force exceeds 30 foot-pounds (lbf).	X	
Firefighters' emergency operation components are inoperable (not including signage).	X	
Two-way communication is missing or inoperable.	X	
Keys described in Section 2-3-1-1(3) of regulations are not made available.	X	
Violations (other than those listed in this table) that are not mitigated prior to the next annual periodic inspection.	X	

Violations Warranting TCO or Shutdown for Escalators and Moving Walks		
Failure of witnessed acceptance test (new or altered).		X
Any safety tests past due as listed in Table 2.	X	
Failure of Category 1 test items listed on the Administrator's test form except for the items listed in rows below.		X
Comb plates with two or more adjacent broken teeth.		X
Comb plates with one broken tooth not adjacent to another broken tooth.	X	
Failure of a step-skirt indexing test.	X	
Violations (other than those listed in this table) that are not mitigated prior to the next annual periodic inspection.	X	

Table 2. Test and Test Witness Frequencies (from Table 2-3-2 in Regulations)

Conveyance	Category 1 test		Category 5 test	
	Performed	Witnessed	Performed	Witnessed
Traction Elevators***	Annually	Every 5 years	Every 5 years	Every 5 years
Hydraulic Elevators***	Annually	Every 5 years	Every 5 years*	Every 5 years*
Dumbwaiters	Every 5 years	Not required	Not required	Not required
Other Elevators**	Annually	Every 5 years	Every 5 years	Every 5 years
Platform Lifts installed indoors	Every 5 years	Every 5 years	Every 5 years	Every 5 years
Platform Lifts installed outdoors	Every 3 years	Every 6 years	Every 3 years	Every 6 years
Escalators & Moving Walks	Annually	Annually	Not required	Not required
PRE in Commercial Settings	Every 5 years	Every 5 years	Every 5 years	Every 5 years

*A category 5 test is only required to be conducted and witnessed on a hydraulic elevator if the elevator is equipped with car safeties, a plunger gripper, a governor, an oil buffer or an over-speed valve.

**Includes roped hydraulic elevators and LU/LA Elevators.

***Beginning 1-1-2021, refer to Section 2-3-2 (4), the CO expiration month will be the same as the 5-year witnessed test month and the non-witnessed annual test shall be conducted within 60 days of the CO expiration month.