



Elevator Safety Program
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Acceptance Inspection Checklist

Electric Elevator Checklist

Passenger & Freight Elevators

Code References

- ASME A17.1, 2004 – Effective 4/1/2005
- Oregon Structural Specialty Code 2003 – Effective 10/1/2004
- Oregon Electrical Specialty Code 2005 – Effective 4/1/2005
- Oregon Plumbing Specialty Code – Effective 4/1/2005
- NFPA 72, 2002; Fire Alarm Systems
- NFPA 13, 2002; Sprinkler Systems

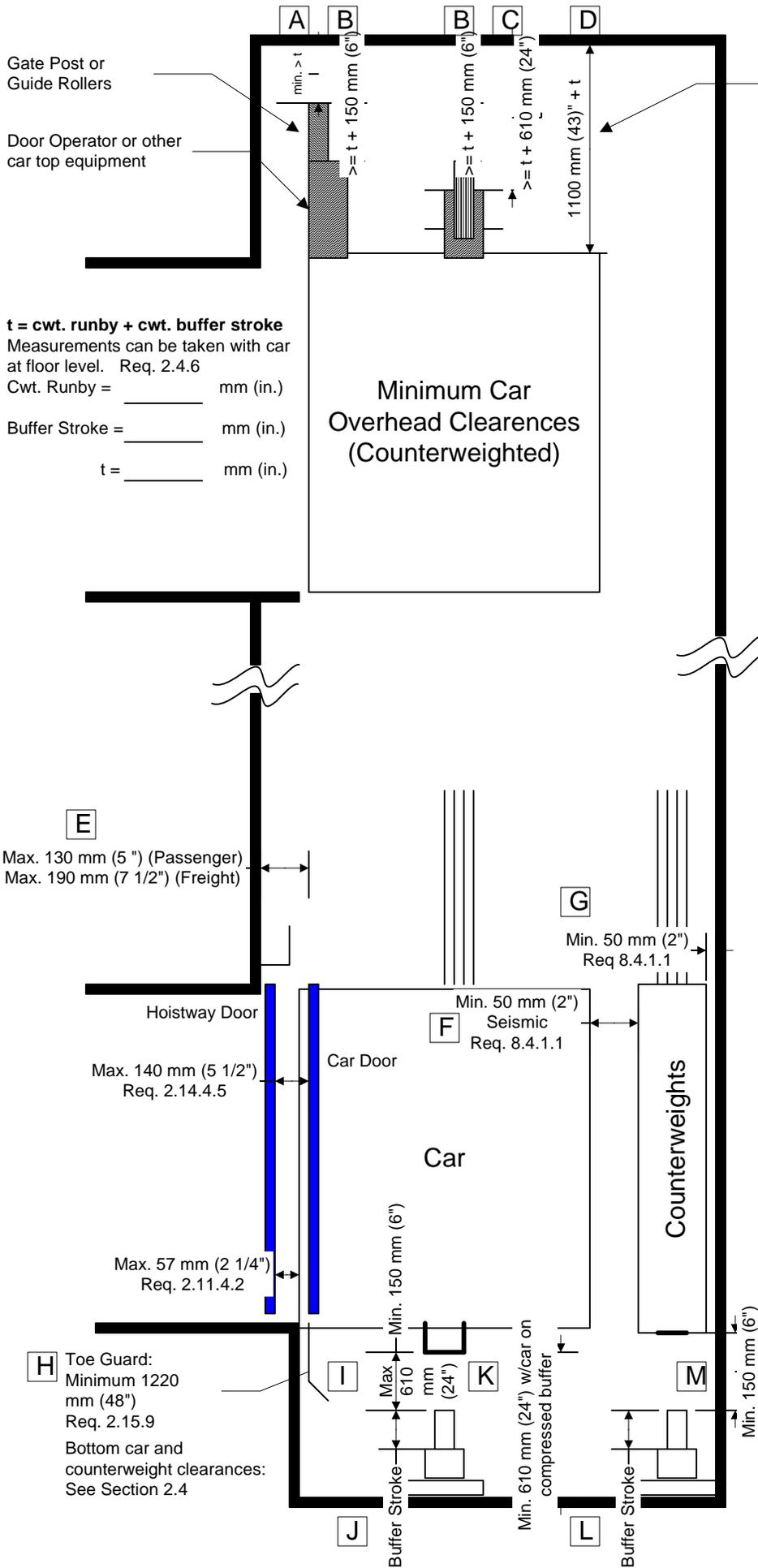
Note: Potential code violations are not necessarily restricted to this checklist.

The comments used in this checklist give direction only and are not intended to circumvent actual code language. Please refer to the appropriate standard as necessary to clarify any code issues that may arise during this inspection.

The codes referenced in this checklist are applicable to the elevator installation as of the effective date of April 1, 2005. If the structural or electrical permit was issued prior to April 1, 2005, the previous edition of the elevator code may be used to resolve code conflicts providing a the issue date for the electrical or structure permit can be verified by the elevator inspector.

While the Elevator Safety Program does not directly regulate the building code, it is permissible to question code issues and request clarification or validation from the local building department. The elevator inspector cannot require any corrections unless supported by the local building department in such cases.

Site Name:		Code Date: ____/____/____	
Elevator ID:	Car #1: ____ - ____	Car #2: ____ - ____	Car #3: ____ - ____
	Car #4: ____ - ____	Car #5: ____ - ____	Car #6: ____ - ____
1 st Inspection Date	2 nd Inspection Date	3 rd Inspection Date	4 th Inspection Date
____/____/____	____/____/____	____/____/____	____/____/____



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	A																		
Car 1																			
Car 2																			
Car 3																			
Car 4																			
Car 5																			
Car 6																			

H Toe Guard:
 Minimum 1220 mm (48")
 Req. 2.15.9
 Bottom car and counterweight clearances:
 See Section 2.4

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

Safety Test Data Sheet 1 – Electric Elevators (indicate metric or imperial measurements-Metric Imperial)

Rated Speed: M/s (fpm)	Governor Data						Type of Safeties				Max./Min. Runby		Oil Buffer Return		Emergency Brake Tests (2.19.3)		Rated Speed Test	
	Trip speed: Min. _____ Max. _____ m/s (fpm) Slide: Min. _____ Max. _____ mm (in.)						A B C <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				mm (in.)		Max. 90 seconds		(indicate type below)		m/s or (fpm)	
Car Designation & Rated Speed m/s(fpm)	Switch If >.75 m/s (150 fpm)		Trip Speed m/s fpm		Pull Thru N (lbs.)		Slide mm (in.)		Pull Out mm (in.)		Cwt.	Car	Max. 90 seconds		<input type="checkbox"/> Cwt. Safeties <input type="checkbox"/> Car <input type="checkbox"/> Suspension Means <input type="checkbox"/> Drive Sheave <input type="checkbox"/> Brake Drum		Empty Car	Full Load
	Car	Cwt	Car	Cwt	Car	Cwt	Car	Cwt	Car	Cwt	900 mm (36")	610 mm (24")	Car	Cwt				
Car 1															<input type="checkbox"/> Passed	Up_____	Up_____	
Car 2															<input type="checkbox"/> Passed	Up_____	Up_____	
Car 3															<input type="checkbox"/> Passed	Up_____	Up_____	
Car 4															<input type="checkbox"/> Passed	Up_____	Up_____	
Car 5															<input type="checkbox"/> Passed	Up_____	Up_____	
Car 6															<input type="checkbox"/> Passed	Up_____	Up_____	

Miscellaneous Data

Car Designation	Door Measurements				Illumination Minimum ftc					Audible Signals		Net Platform Area	Running Clearances Take nominal measures throughout H/W			
	Door Press. 135 N (30 lbs)	Door Closing Speed m/s (ft/s)	Door Timing (ADA req.)		Hall 100 lx - 10 ftc	E-Light 2 lx 0.2 ftc	Car 50 lx - 5 ftc	Pit 100 lx - 10 ftc	M/R 200 lx - 19 ftc	Floor Passing Tone	Emerg. Alarm 80-90 db	Passenger <input type="checkbox"/> Freight <input type="checkbox"/> m ² (ft ²)	Sill Clearance 13/19-38 mm (½" - 1 ½") or (¾" - 1 ½")	Car to H/W from Door Sides mm (in.)	Car to Cwt. Minimum 50 mm (2")	
Car 1	Front				Enter on Next Data Sheet											
	Rear															
Car 2	Front															
	Rear															
Car 3	Front															
	Rear															
Car 4	Front															
	Rear															
Car 5	Front															
	Rear															
Car 6	Front															
	Rear															

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

Safety Test Data Sheet 2 – Electric Elevators (<i>indicate metric or imperial measurements-Metric</i> <input type="checkbox"/> <i>Imperial</i> <input type="checkbox"/>)			
Car Designation	Refuge Space		Notes/Comments:
	Top	Bottom	
	Min. Ht. 1100 mm (43 in.)	600 mm x 1220 mm x 600 mm 450 mm x 900 mm x 1100 mm	
Car 1_____		_____ x _____ x _____	
Car 2_____		_____ x _____ x _____	
Car 3_____		_____ x _____ x _____	
Car 4_____		_____ x _____ x _____	
Car 5_____		_____ x _____ x _____	
Car 6_____		_____ x _____ x _____	

Landing Illumination Levels - Indicate: <input type="checkbox"/> Lx or <input type="checkbox"/> ftc (1 lx = .929 ftc)															
	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th	9 th	10 th	11 th	12 th	13 th	14 th	15 th
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	31 st	32 nd	33 rd	34 th	35 th	36 th	37 th	38 th	39 th	40 th	41 st	42 nd	43 rd	44 th	45 th
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ASME A17.1 2004

AREA	REQ.	COMMENTS	CARS 1-6																																																	
Car Enclosure Electric 2.14 – Hydraulic 3.14	A17.1 (A17.2)	A17.2 item numbers appear below A17.1 requirement numbers only if comments are found in A17.2 for acceptance inspections.	Check the box for the corresponding car																																																	
DOOR OPERATION	<input type="checkbox"/> Existing		1 2 3 4 5 6																																																	
Door Reopening Device <input type="checkbox"/> Existing	2.13.5.1 (1.1)	Doors must stop and reopen.	<table border="0"> <tr> <td>Front</td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td>Rear</td> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	Front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rear	<input type="checkbox"/>																																								
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Door Closing Force	2.13.4.2.3 (1.8)	Cannot exceed 135 N (30 lbs.) (see 2.13.3.1).	Enter Measurements on Data Sheet																																																	
Door Kinetic Energy (see application pg. 2)	2.13.4.2.1	1) Not to exceed 10 J (7.37 ft-lbf) on average closing speed. 2) Maximum: 23 J (17 ft-lbf) at any point in the code zone distance.	Enter Measurements on Data Sheet																																																	
Door Closing Speeds (Typically freight elevators)	2.13.3.4.5 (1.9)	Bi-parting doors; maximum 0.3 m/s (1 ft/s) Vertical doors; maximum 0.6 m/s (2 ft/s)	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>																																										
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Unlocking of Doors Power Opening of Doors	2.13.2 (1.10)	1) Opening not to exceed 450 mm (18") from floor. 2) Must open within 75 mm (3") from floor. 3) Shall only occur in the leveling zone	<table border="0"> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
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Restricted Opening of Doors	2.12.5 (1.18)	1) Anti-egress lock (zone lock) 2) Door opening not to exceed 100 mm (4")	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>																																										
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Vision Panels	2.14.2.5 (1.11)	Vision panels must comply with the following: 1) Max. of 0.1 m ² (144-in ²). 2) Not more than 150mm (6") on one side. 3) Marked wire glass or laminated glass only.	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>																																										
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Glass Door Panels	2.14.5.8 (1.11)	Glass panels must be: 1) Minimum 60% of visible door area as viewed facing the hoistway door. 2) Laminated glass only. 3) Min. 14.29 mm (9/16") thick.	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>																																										
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Car Door or Gate	2.14.4.5 (1.7)	1) Distance from car door to hoistway door: a) Swing H/W door & Car Gate; 100 mm (4") b) Swing H/W door & Car Door; 140 mm (5½") c) Sliding H/W door & Car Door/gate; 140 mm (5½")	<table border="0"> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																												
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Closed Position of Car Doors	2.14.4.11	Maximum between door and jamb; 50 mm (2")	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																	
Freight Elevator Door Types	2.14.6.1	Door must be of the following configuration: 1) Class A Loading; Vertical or horizontal 2) Class B or C Loading; Vertical only	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>																																										
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Gate Switch	2.14.4.2.3	Not accessible from inside car	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																																																	
OPERATION & FIXTURES	<input type="checkbox"/> Existing																																																			
Emergency Stop Switch & Audible Signal. E-stop switch not allowed in passenger elevators.	2.27.1.2 (1.2)	1) When an emergency stop switch (2.26.2.5) is provided, an audible signaling device shall be provided. The audible signaling device shall a) have a rated sound pressure rating of not less than 80 dBA nor greater than 90 dBA at 3 m (10 ft); b) respond without delay after the switch has been activated; c) be located inside the building and audible inside the car and outside the hoistway; and d) for elevators with a travel greater than 30 m (100 ft), be duplicated as follows:..... i) one device shall be mounted on the car; and ii) a second device shall be placed at the designated level.	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>	<input type="checkbox"/>																																									
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In Car Stop Switch (passenger elevators)	2.26.2.21 (1.2)	Passenger Elevator 1) Keyed Switch; or 2) Behind a locked panel	<table border="0"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>N/A <input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td><input type="checkbox"/></td> </tr> </table>							N/A <input type="checkbox"/>																																										
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ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

Car Enclosure Electric 2.14 – Hydraulic 3.14	A17.1 (A17.2)	COMMENTS	CARS 1-6																									
Operating Control Devices ADA Requirements *Refer to ICC/ANSI A117.1-2003 see attached ADAAG information and figures. See A17.1, Table 2.26.12.1	2.26.1.1 2.26.12 407.4.6* (1.3 & 1.5)	Car Operating Station; 1) Push button operation 2) Braille a) ★ Located at main floor car call. 3) Alarm button: 890 mm (35") from floor 4) Highest call button maximum height: 1370 mm (54") w/parallel approach	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
Leveling Accuracy	2.26.11(a)	1) Leveling accuracy required to be $\pm 1/2"$ (± 13 mm)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
Minimum Door Widths <i>Accessible Elevators Only!</i> Note: A 42" opening for C/O doors is not yet mandatory. If 36" opening is provided it complies with the current edition of the OSSC. <input type="checkbox"/> Existing	407.4.1* N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/>	<table border="1"> <thead> <tr> <th>Location</th> <th>Clear Opening</th> <th>Side to Side</th> <th>Back to Return</th> <th>Back to Door</th> </tr> </thead> <tbody> <tr> <td>C/O</td> <td>1065 mm (42-in.)</td> <td>2030 mm (80-in.)</td> <td>1295 mm (51-in.)</td> <td>1370 mm (54-in.)</td> </tr> <tr> <td>S/S</td> <td>915 mm (36-in.)</td> <td>1725 mm (68-in.)</td> <td>1295 mm (51-in.)</td> <td>1370 mm (54-in.)</td> </tr> <tr> <td>Any</td> <td>915 mm (36-in.)</td> <td>1370 mm (54-in.)</td> <td>2030 mm (80-in.)</td> <td>2030 mm (80-in.)</td> </tr> <tr> <td>Any</td> <td>915 mm (36-in.)</td> <td>1525 mm (60-in.)</td> <td>1525 mm (60-in.)</td> <td>1525 mm (60-in.)</td> </tr> </tbody> </table>	Location	Clear Opening	Side to Side	Back to Return	Back to Door	C/O	1065 mm (42-in.)	2030 mm (80-in.)	1295 mm (51-in.)	1370 mm (54-in.)	S/S	915 mm (36-in.)	1725 mm (68-in.)	1295 mm (51-in.)	1370 mm (54-in.)	Any	915 mm (36-in.)	1370 mm (54-in.)	2030 mm (80-in.)	2030 mm (80-in.)	Any	915 mm (36-in.)	1525 mm (60-in.)	1525 mm (60-in.)	1525 mm (60-in.)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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Car Position Indicators; Visual and Audible <input type="checkbox"/> Existing	407.4.9.1* (1.3) 407.4.9.2*	1) CPI: a) minimum 13 mm (1/2") in height b) above door or COP c) direction indicator 2) Audible Indicators..... a) Verbal annunciator indicating floor b) Minimum 10 dB above ambient levels c) 300 Hz to 3000 Hz d) Cars 1 m/s (200 fpm) or less may have:..... i) minimum floor passing tone @1500 Hz	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
Hall and Car Lanterns Visual & Audible Signals For Destination Oriented systems, see A117.1.	407.2.2.1* (1.3) 407.2.2.2* 407.2.2.3*	1) Hall:..... a) provided at each landing b) indicate direction 2) Car:..... a) Must be visible from the hall call buttons 3) Both:..... a) Centered 1830 mm (72-in.) from floor minimum b) Minimum 64 mm (2 1/2 -in.) along vertical C/L 4) Audible signals shall:..... a) Sound once for up; twice for down b) Audible tones @ 1500 Hz c) Verbal annunciators @ 300 to 3000 Hz d) Minimum of 10 dBA above ambient e) Maximum of 80 dBAN/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
Door Delay (car calls)	407.3.5*	1) Elevator doors shall remain fully open in response to a car call for 3 seconds minimum.	Enter Measurements on Data Sheet																									
Handrails <input type="checkbox"/> Existing	505*	1) Handrails are no longer required. Where provided they shall comply with Section 505 of ANSI A117.1.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
GFI 15 & 20 Amp Receptacles	NEC 620-85	1) All in-car receptacles may be GFCI protected or be of the GFCI typeN/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
Sill Running Clearance <input type="checkbox"/> Existing	2.5.1.4	1) Clearance 13-38 mm (1/2 - 1 1/2 in.) 2) Corner Poster, 19-38 mm (3/4 - 1 1/2 in.)	Enter Measurements on Data Sheet																									
Sill Level (Car & Hoistway)	2.11.11.1 (1.4)	Substantially flush with flooring: 1) Less than 6 mm (1/4"); abrupt edge allowed; 2) Between 6 mm & 13 mm (1/4"-1/2"); 45° angle; 3) Greater than or equal to 13 mm (1/2"); ramp 1:12	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									
Car Numbering (Multiple Cars)	2.29.1	1) Minimum 13.0 mm (1/2") high on COP	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																									

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

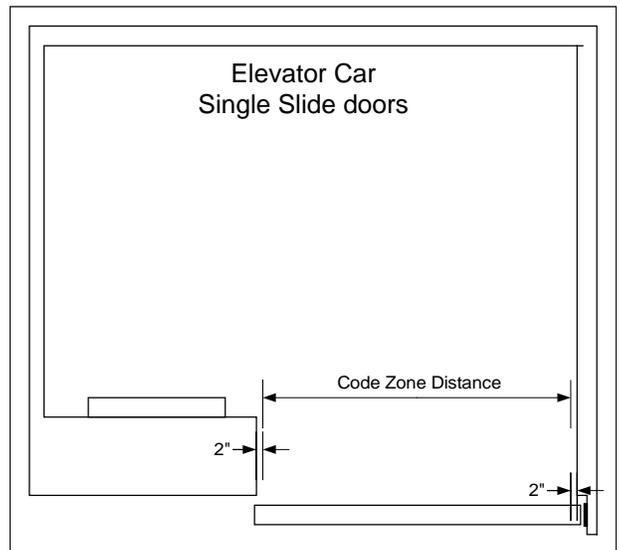
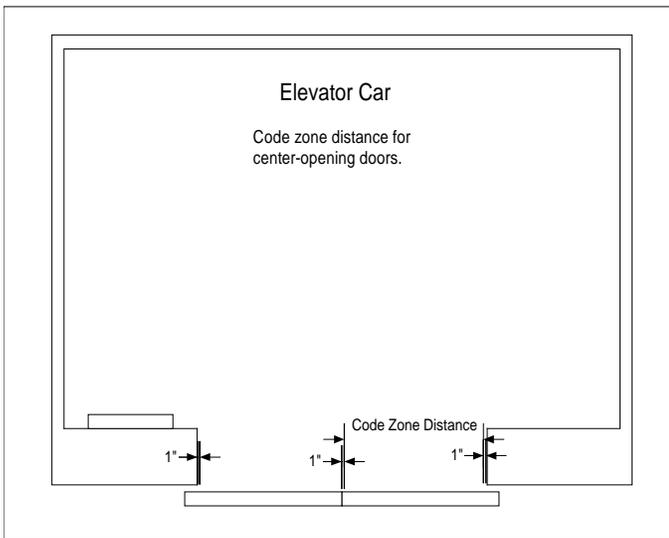
Car Enclosure Electric 2.14 – Hydraulic 3.14	A17.1 (A17.2)	COMMENTS	CARS 1-6
Intercom	2.27.1.1.4 (Oregon amendment)	1) An intercom or telephone capable of being activated from a point outside the elevator shall be provided and be located at a readily accessible point outside the hoistway that is available to emergency personnel. One master control station may be used to connect all elevators under common group control. 2) The device shall be within sight of the elevators served. (see 2.27.1.1.4(a)-(d) for additional requirements).	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<p>Oregon Amendment to 2.27.1.1.4: <i>An intercom or telephone capable of being activated from a point outside the elevator shall be provided and be located at a readily accessible point outside the hoistway that is available to emergency personnel. One master control station may be used to connect all elevators under common group control. The device shall be within sight of the elevators served.</i></p> <p>(a) The means shall enable emergency personnel within the building to establish two-way voice communications to each car individually. Two-way voice communication shall be established without any intentional delay and shall not require intervention by a person within the car. The means shall override communications to outside of the building.</p> <p>(b) Two-way voice communications, once established, shall be disconnected only when emergency personnel outside the car terminates the call.</p> <p>(c) Once the two-way voice communication has been established, the visual indication [see 2.27.1.1.3(c)] within the car shall illuminate. The visual indication shall be extinguished when the two-way communication is terminated.</p> <p>(d) Operating instructions shall be incorporated with or adjacent to the two-way voice communication outside the car. Instructions shall conform to 2.27.7.3.</p> <p>2.27.1.1.3 (j) Telephone lines, when provided, are not required to be dedicated. However, the failure or use of any single device, including other elevator communication devices, connected to the same telephone line shall not render the elevator telephone inoperative.</p>			
Capacity Plate	2.16.3.1	1) Located conspicuously in car.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Identification Numbering (multiple cars)	2.29.1	1) Minimum 13 mm (½") high on COP.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Data Plates <input type="checkbox"/> Existing	2.16.3.2 2.16.3.2.1 2.16.3.2.2	2) The data plate shall be located on the car crosshead, or inside the car for underslung elevators having no crosshead. 3) Information Required on Plates..... 4) Capacity plates shall indicate the rated load of the elevator in kilograms or pounds or both (see Nonmandatory Appendix D), and, in addition, this plate 5) or a separate plate shall indicate a) the capacity lifting one-piece loads where the elevator conforms to 2.16.7 b) for freight elevators designed for Class C2 loading, the maximum load the elevator is designed to support while being loaded or unloaded [see 2.16.2.2.4(c)] 6) Data plates shall indicate..... a) the weight of the complete car, including the car safety and all auxiliary equipment attached to the car b) the rated load and speed c) the wire rope data required by 2.20.2.1 d) the name or trademark of the manufacturer and year manufactured 7) (e) rail lubrication instructions (see 2.17.16)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Material and Marking of Plates.	2.16.3.3	1) Plates shall be of such material and construction that the letters and figures stamped, etched, cast, or otherwise applied to the faces shall remain permanently and readily legible. 2) The height of the letters and figures shall be not less than a) 6 mm (0.25 in.) for passenger elevator capacity plates b) 25 mm (1 in.) for freight elevator capacity plates c) (c) 3 mm (0.125 in.) for data plates	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

Car Enclosure Electric 2.14 – Hydraulic 3.14	A17.1 (A17.2)	COMMENTS	CARS 1-6
Phase II Operation Sign	2.27.7	Next to Phase II switch.; min. 3.175 mm (1/8") high letters.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Ride	(1.19.3)	1) Observe ride, slow down and stop	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Sills and Car Floor <input type="checkbox"/> Existing	(1.4)	1) Check that landing sills are substantially flush with the floor surface of the landings and the sill does not present a tripping hazard. a) Changes in level up to 1/4 in. (6 mm) may be vertical and without edge treatment. b) Changes in level between 1/4 in. (6 mm) and 1/2 in. (13 mm) must be beveled; and c) Changes in level above 1/2 in. (13 mm) must be ramped.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Access Panels	2.14.2.6	1) Nonremovable sliding or swing panels shall be permitted for access to the car or hoistway transparent enclosures for cleaning purposes. 2) Such panels or doors shall a) if hinged, open only into the car b) be provided with cylinder-type locks, having not less than a five-pin or a five-disc combination, or a lock that provides equivalent security, arranged so that they can be unlocked with a key from the car side, and the key shall be Group 2 Security (see 8.1) c) be openable by hand from the hoistway side d) be self-locking e) be provided with a device arranged so that the panel must be in the closed and locked position (see 2.26.2.31) before the elevator can operate f) have a bottom edge a minimum of 1 070 mm (42 in.) from the floor in cases where the adjacent hoistway wall is more than 140 mm (5.5 in.) from the car enclosure or where there is no adjacent hoistway wall.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Freight Car Enclosure <input type="checkbox"/> Existing	2.14.3.1	1. Must be of metal without openings to a height of 1830 mm (72"). 2. Must extend to at least 150 mm (6") either side of counterweights (when provided) 3. Perforations above 1830 mm (72") shall reject a 38 mm (1") diameter ball.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
(Freight Elevator)> N/A <input type="checkbox"/> <input type="checkbox"/> Existing	2.16.2.2.1 2.16.2.2.2 2.16.2.2.3(a) 2.16.2.2.3(b) 2.16.2.2.3(c)	1) <input type="checkbox"/> Class A: General Loading 240 kg/m ² (50 lb/ft ²) 2) <input type="checkbox"/> Class B: Motor Vehicle Loading 145 kg/m ² (30 lb/ft ²) 3) <input type="checkbox"/> Class C1: Industrial Truck Loading (static load during loading & unloading does not exceed rated load) a) 240 kg/m ² (50 lb/ft ²) 4) <input type="checkbox"/> Class C2: Industrial Truck Loading (static load during loading & unloading may exceed rated load) a) 240 kg/m ² (50 lb/ft ²) 5) <input type="checkbox"/> Class C3: Loading with Heavy Concentrations a) 240 kg/m ² (50 lb/ft ²)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

Car Enclosure Electric 2.14 – Hydraulic 3.14	A17.1 (A17.2)	COMMENTS	CARS 1-6
Freight Elevator Signs 2.16.5.2 Minimum 13 mm (½") high lettering.	2.16.5	<p>(a) "CLASS A LOADING. ELEVATOR TO BE LOADED OR UNLOADED MANUALLY OR BY MEANS OF HAND TRUCKS ONLY. NO SINGLE PIECE OF FREIGHT OR SINGLE HAND TRUCK AND ITS LOAD SHALL EXCEED _____ KG (_____ LB)."</p> <p>(b) "CLASS B LOADING. THIS ELEVATOR DESIGNED TO TRANSPORT MOTOR VEHICLES HAVING A MAXIMUM GROSS WEIGHT NOT TO EXCEED _____ KG (_____ LB)."</p> <p>(c) "CLASS C1 LOADING. THIS ELEVATOR DESIGNED TO TRANSPORT LOADED INDUSTRIAL TRUCK. MAXIMUM COMBINED WEIGHT OF INDUSTRIAL TRUCK AND LOAD NOT TO EXCEED _____ KG (_____ LB)."</p> <p>(d) "CLASS C2 LOADING. THIS ELEVATOR DESIGNED FOR LOADING AND UNLOADING BY INDUSTRIAL TRUCK. MAXIMUM LOADING AND UNLOADING WEIGHT WHILE PARKED NOT TO EXCEED _____ KG (_____ LB). MAXIMUM WEIGHT TRANSPORTED NOT TO EXCEED _____ KG (_____ LB)."</p> <p>(e) "CLASS C3 LOADING. THIS ELEVATOR DESIGNED TO TRANSPORT CONCENTRATED LOADS NOT TO EXCEED _____ KG (_____ LB)."</p> <p>For elevators not permitted to carry passengers, the sign shall read: "THIS IS NOT A PASSENGER ELEVATOR. NO PERSONS OTHER THAN THE OPERATOR AND FREIGHT HANDLERS ARE PERMITTED TO RIDE ON THIS ELEVATOR."</p> <p>For freight elevators permitted to carry passengers (see 2.16.4), a sign reading "PASSENGERS ARE PERMITTED TO RIDE THIS ELEVATOR."</p>	<p align="right">N/A <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p align="right">N/A <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p align="right">N/A <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p align="right">N/A <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p align="right">N/A <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p align="right">N/A <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>



ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

MACHINE ROOM Electric 2.7 – Hydraulic 3.7			A17.1 (A17.2)	COMMENTS	CARS 1-6	
Number of machine rooms for these elevators: - - ® A A A						
Access to and location of Machine Room Keys shall be kept on the premises accessible only to maintenance and emergency personnel. (Group 2 Security) <u>Note: machine spaces and control spaces are not yet part of code; alternate methods or exceptions are required.</u> <input type="checkbox"/> Existing		2.7.3 > 2.7.3.2 >	1) Clear and unobstructed passage to door 2) Access Across Roofs:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/>		
		2.7.3.2.2 >	a) Swing door and platform from top floor to roof. b) Hatch type doors must have assisted opening (springs, hydraulics, cwt. etc.) c) Illuminated access route	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/>		
		2.7.3.3 >	3) If roof slopes over 15°:..... a) Walkway to M/R door must be provided not less than 600 mm (24") wide. b) Down side must have 1100 mm (43") handrail.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/>		
		2.7.3.3.1 >	4) Access to differing levels of M/R and from roof to M/R and machinery spaces:..... a) If level is > 200 mm (8"); non-combustible ladder or stair.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/>		
		2.7.3.3.2 >	b) If level is > 900 mm (35"), a stair must be provided equipped with handrails.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
		2.10	c) Railings on upper level to 1070 mm (42") high.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
		2.7.3.3.3 >	d) Ladders must comply with ANSI A14.3.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
		2.7.3.3.4 >	e) Railings to comply with ANSI A1264.1.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
		2.7.3.3.5 >	f) Stairs must be between 30° and 50° from horizontal.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
		(2.1)	g) Platform or floor shall be provided at top of access stair. i) If door swings outward; minimum 600 mm (24") plus door swing. ii) If door swings inward; minimum 750 mm (30")	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
	Angle of Stair	Rise	Tread Run	2.7.3.3 Means of Access. (Oregon amendment) 2.7.3.3.4 Permanent, noncombustible stairs shall be provided and conform to following regulations for industrial stairs regarding slope, width, run and rise, and handrails. The stair shall be a minimum of 560 mm (22 in.) in width. Fixed stairs shall be not less than 30° nor more than 50° from horizontal. A uniform combination of rise and tread dimensions shall be permitted to be used. The following table gives permissible run and rise dimensions that will produce a stair that complies with this requirement. Stair treads and platforms shall be reasonably slip-resistant. Standard railings shall be provided on both sides of any stair with a width of 1100 mm (43 in.) or less and with four or more risers. For stairways wider than 1100mm (43 in.), only one handrail is required, preferably on the right hand side, descending. Railings shall comply with Section 2.10. <i>Note: where the stair to the machine room or machinery space is also an egress stair, the stair must comply with the requirements of the building code.</i>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	In the appropriate check box in the column, "angle of stair", indicate the closest angle of installed stairway. If the angle is outside this range, indicate the actual angle below: _____ ° (to the nearest degree)
	<input type="checkbox"/> 30° 35'	165mm (6½")	280mm (11.0")			
<input type="checkbox"/> 32° 08'	170mm (6¾")	273mm (10¾")				
<input type="checkbox"/> 33° 41'	178mm (7.0")	267mm (10½")				
<input type="checkbox"/> 35° 16'	184mm (7¼")	260mm (10¼")				
<input type="checkbox"/> 36° 52'	190mm (7½")	255mm (10.0")				
<input type="checkbox"/> 38° 29'	197mm (7¾")	248mm (9¾")				
<input type="checkbox"/> 40° 08'	200mm (8.0")	240mm (9½")				
<input type="checkbox"/> 41° 44'	210mm (8¼")	235mm (9¼")				
<input type="checkbox"/> 43° 22'	216mm (8½")	228mm (9.0")				
<input type="checkbox"/> 45° 00'	222mm (8¾")	222mm (8¾")				
<input type="checkbox"/> 46° 38'	228mm (9.0")	216mm (8½")				
<input type="checkbox"/> 48° 16'	235mm (9¼")	210mm (8¼")				
<input type="checkbox"/> 49° 54'	240mm (9½")	200mm (8.0")				

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

MACHINE ROOM Electric 2.7 – Hydraulic 3.7	A17.1 (A17.2)	COMMENTS	M/R 1-6
Access to Overhead & Secondary Machinery Spaces <input type="checkbox"/> Existing Exceptions to Stairways Oregon amendment	2.7.3.4 (2.1) 2.7.3.4.3 2.7.3.4.1 2.7.3.3.6 (2.1)	1) Openings in M/R floors must have either doors or 1100 mm (43") high railings around opening. 2) Where complete bodily entry not necessary:..... a) Sized for access and maintenance of equipment located therein. b) Maximum 600 x 600 mm (24" x 24") c) Lockable access doors/panels. 3) Machine rooms & overhead spaces. a) M/R doors shall be a minimum 1830 mm (72") high and 750 mm (30") wide. b) Overhead-space: 750 mm x 750 mm (30 in. x 30 in.) i) Self-closing and self locking c) Provided with door sign (see next block for requirements). d) Overhead emergency stop switch required. 1) Vertical ladders with handgrips shall be permitted to be used in lieu of stairs under the following conditions: a) Access to an overhead machinery space is less than 2440-mm (96-in.) from floor level and access to the overhead machinery space is from within the machine room; or..... b) In existing buildings where installation of a stair would require alterations to structural elements or the stair would obstruct an egress corridor. 2) Fixed ladders, when installed, shall be provided with a means for safely transporting tools and maintenance materials to and from the upper machinery level. The means shall be operable from the top and bottom of the ladder. 3) Where the access door or panel is through the side of the machinery space, the ladder shall terminate at a landing conforming to ANSI A14.3, Section 6.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Machine Room Door & Sign	2.7.3.4.5 Ore. Amend.	"AUTHORIZED PERSONNEL ONLY - Storage or installation of equipment not pertaining to the elevator is prohibited" 1) 10 mm (3/8") high letters @ 1525 mm (60") 2) Door is to be a min. 750 mm (30") wide by 1830 mm (72") in height 3) Self-closing and self-locking 4) If rating is required check for labeling 5) Keys to be kept on premises - Security Group 2	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Headroom <input type="checkbox"/> Existing	2.7.4.1 (2.2)	1) Minimum 2130 mm (84") clear throughout entire machine room. Some minor exceptions may be permitted in corners and close to walls.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Enclosure <input type="checkbox"/> Existing	2.7.1.1 (2.4)	1) Check for proper construction rated or non-rated. Taped sheet rock. 2) Enclosure and M/R door must be equivalent fire rating to the hoistway.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Ventilation Note: Also required by OSSC 3006.2.	2.7.5.2 (2.6) 3006.2	1) Ventilation must be: a) Natural; or b) Mechanical c) Temperature range must be maintained to: i) Manufacturers Specs: or (Oregon amendment); or ii) Between 13° C - 38° C (55° F- 100° F) 2) Openings in M/R floors for hoist ropes cannot be any larger than needed for the hoist ropes plus 50 mm (2-in.).	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

MACHINE ROOM Electric 2.7 – Hydraulic 3.7	A17.1 (A17.2)	COMMENTS	M/R 1-6
Housekeeping	8.6.4.8.1 (2.5)	1) M/R should be reasonably clean.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Pipes, Ducts & Wiring <input type="checkbox"/> Existing	2.8.2 (2.8)	1) No unrelated pipes, ducts or wiring. 2) Only related wiring may pass from the machine room to the hoistway.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Shunt Trip Device (See testing section in this checklist)	2.8.2.3.2	Required if M/R or top of H/W is sprinklered: 1) Must be located in M/R 2) May be a combination with disconnect as long as both functions are retained.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Guarding of Exposed Equipment	2.10.1 (2.9)	1) Exposed gears, sprockets and sheaves shall be guarded.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Equipment Numbering (Disconnects, machines, controls)	2.29.1 620-51 (2.10)	1) Required where multiple driving machines are in the same room. (see 2.10.3 in A17.2)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
GFCI Receptacles	620-85	1) Must be of the GFCI type. 2) Lighting cannot be connected to the load side of the GFCI. 3) At least 15 or 20 amp rating.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Illumination <i>Enter readings on data sheet</i>	2.7.5 620.23 2.7.5.1 (2.3)	1) Minimum 200 lx (19 ftc) @ floor level; evenly distributed. 2) Fixtures must be of the type that will not allow lamps that will produce less than minimum illumination. 3) Must be on a dedicated branch circuit 4) Shall not be connected to the load side of a GFCI 5) Light switch to be within easy reach of strike side of M/R door	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Fire Extinguisher (Class ABC)	8.6.1.6.5 (2.7)	1) Located within easy reach of the access door 2) Current dated inspection tag. (Note: size of extinguisher is not specified in code).	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Machine Room Inspection Control (where provided)	3.26.2 (2.26.1.4.4)	Where provided: 1) Shall operate the car at no more than 75 m/s (150 fpm.) Actual _____ fpm. 2) Shall be of the continuous pressure type. 3) Transfer means must be located in the machine room. 4) Clearly marked "ON-OFF". 5) Must not operate if either in-car or car top inspection control is active or in door bypass mode	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Main Line Disconnect <input type="checkbox"/> Existing	NFPA 70 620-51 (2.11.3)	1) Fused disconnect or circuit breaker, lockable in the open position. 2) Must be located within 600 mm (24") of the open side of the M/R door. (OAR 918-305-0250) 3) Sign to indicate feeder breaker location (620-51(d))	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Lighting Disconnect <input type="checkbox"/> Existing	NFPA 70 620-53 (2.11.3) 620.22	1) Lockable Unit for each Elevator Controlling 120vac to car 2) Separate branch circuit must be provided 3) Overcurrent protection required in M/R	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Utilization Equipment (Equipment may include intercoms that are not part of the elevator control circuit)	NFPA 70 620.25	1) Ensure that disconnecting means is located in M/R. 2) Ensure overcurrent protection is provided for each device.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

MACHINE ROOM	A17.1 (A17.2)	COMMENTS	CARS 1-6
Rope Retainers <input type="checkbox"/> Existing Equipment	8.4.3.1	1) Rope retainers are required as follows: a) Continuous over not less than 2/3 arc of rope contact with sheave. b) No more than 1/6 arc of contact exposed at end of retainer c) Double wrap machines; retainers shall cover the uninterrupted length of rope. d) Arc of contact @ 30°; min. one retainer at mid point required e) Arc of contact @ 30°; placed at intervals not exceeding 30°	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Slack Cable Device <input type="checkbox"/> Existing Equipment	2.26.2.1 (2.20)	1) Required on all drum machines.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Speed Governors (see speed governor and safety testing) <input type="checkbox"/> Existing Equipment	2.18.1 (2.13)	Speed governors shall comply with the following: 1) Car governors shall not trip at speeds less than 115%. 2) Maximum tripping speeds are noted in Table 2.18.2.1. 3) Counterweight governors shall trip at a speed higher than the car governor but not greater than 110%. 4) Governors must be sealed after testing. 5) Overspeed Switches: a) Required for type B & C safeties & 0.75 m/s (150 fpm). b) Required on all static drive systems. c) Tripping speeds are noted in Table 2.18.2.1	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Overhead Beams & Fastenings <input type="checkbox"/> Existing Equipment	2.9.1 (2.16)	1) Ensure beams are securely fastened and comply with submitted drawings.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Traction Drive Machines 2.24.2.2 Minimum Pitch Diameter. <input type="checkbox"/> Existing Equipment	2.24.2.2 (2.18) 2.24.2.3 2.24.2.3.1 2.24.2.3.2	1) Sheaves and drums used with suspension and compensating ropes shall have a pitch diameter of not less than a) 40 times the diameter of the rope where used with suspension ropes b) 32 times the diameter of the ropes where used with compensating ropes 2) Traction Sheaves..... a) Where the grooves are used to transmit power, sufficient traction shall be provided between the rope and groove, and in the event of nonmetallic lining failure, between the rope and the remaining sheave groove, to safely stop and hold the car with rated load [see 2.16.8(c)] from rated speed in the down direction. b) If either the car or the counterweight bottoms on its buffers or becomes otherwise immovable..... i) the ropes shall slip in the drive sheave grooves and not allow the car or counterweight to be raised; or ii) The driving system shall stall and not allow the car or counterweight to be raised.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

MACHINE ROOM	A17.1 (A17.2)	COMMENTS	CARS 1-6
Driving Machine Brakes <input type="checkbox"/> Existing Equipment	2.24.8.3 (2.17) 2.16.8	1) Must be capable of holding car at rest with rated load. 2) Passenger cars & freight cars allowed to carry passengers shall be capable of controlling & supporting 125% of rated load. 3) Electrically released & mechanically set. 4) Brake can only be released after power is applied to drive motor. 5) Two independent devices are required to remove power from the brake. 6) Brake cannot be connected across armature or motor field circuits.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Gears & Bearings <input type="checkbox"/> Existing Equipment	2.24 (2.19)	1) Ensure there is no excessive vibration, noise or backlash.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Motor Generator Control <input type="checkbox"/> Existing Equipment	2.26.9.7 (2.22)	1) Ensure a suicide circuit is provided and operates to prevent generator field build-up.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/>
Regenerative Power	2.26.10 (2.23)	1) Means to be provided to prevent an overhauling load from attaining governor-tripping speed.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Static Control <input type="checkbox"/> Existing Equipment	2.26.8.2 (2.15)	1) Two independent devices required to remove power from drive motor. 2) Contactor shall open each time car stops. 3) Contactor shall open brake circuit. 4) Additional contactor for brake circuit required. 5) Contactors subject to safety circuit devices required by Req. 2.26.8.2 6) Car cannot restart unless contactors are in de-energized position.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Traction Sheaves <input type="checkbox"/> Existing Equipment	2.24.2.4 (2.25)	Sheaves must be: 1) Clearly marked to indicate the minimum bottom groove diameter permissible.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/>
Driving Machines <input type="checkbox"/> Existing Equipment	2.24.1 (2.20) 2.24.2 2.24.9 (2.21) 2.24.10	1) Must be of the traction type for all counterweighted elevators. 2) Drum machines limited to the following:..... a) No counterweights permitted. b) Rated speed no greater than 0.25 m/s (50 fpm) c) Travel is limited to 12.5 m (40'). 3) Sheaves & Drums:..... a) Sheaves & drums shall be a minimum of 40 times hoist rope diameter. b) Comp. sheaves shall be a minimum diameter of 32 times rope diameter. c) Traction sheaves must provide traction to hold 125% rated load. d) Friction gearing & clutches are not permitted to connect the motor to the drive machine. 4) Indirect Drive Machines:..... a) Minimum 3 belts or chains. b) Matched sets of belts or chains. c) Guards shall be provided. d) Broken belt or chain device required monitoring each belt or chain. e) Brake to be located on the machine side of drive sheave assembly. f) Means to inspect gear surfaces	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY Electric 2.1 – Hydraulic 3.1	A17.1 (A17.2)	COMMENTS	CARS 1-6
<i>Indicate elevators in common hoistways; H/W #1: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H/W #2: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> H/W #3: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></i>			
Sheetrock Screws Penetrating into Hoistway (Oregon amendment)	2.1.1.3 (3.10)	1) Sharp protrusions in areas that require maintenance shall be removed or guarded. (Usually around jambs and door panels). 2) Verify multiple hoistways are constructed in compliance with the building code. Measure the running clearances between cars including equipment attached to the car. 3) Projections should be properly beveled or otherwise protected. 4) For elevators with no top emergency exit installed in unenclosed hoistways, determine that all landings are provided with either hoistway entrances or emergency doors.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hoistway Construction <input type="checkbox"/> Rated <input type="checkbox"/> Non-rated <input type="checkbox"/> Existing	2.1.1 (3.10.3)	1) If hoistway is fire rated, ensure that there are no open penetrations through interior surface of walls. 2) Ensure that elevator door entrance frames are properly interfaced with wall construction.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Multiple Cars in Hoistway	(3.15)	1) Indicate those cars in first hoistway. 2) Indicate those cars in second hoistway. 3) Indicate those cars in third hoistway.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hoistway Smoke Control	2.1.4 (3.11)	1) Must be in accord with the OSSC. 2) Pressurization is allowed, but airflow cannot impinge on the operation of the elevator. 3) Check that means to prevent the accumulation of smoke and hot gases in case of fire is in accordance with the requirements of the building code.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Windows	2.1.5	1) Windows & skylights are not allowed	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hoistway Ventilation 8 m (25') or more measured from the bottom landing to the underside of the hoistway ceiling Indicate actual size of vent: <input type="checkbox"/> H/W #1 _____ ft ² <input type="checkbox"/> H/W #2 _____ ft ² <input type="checkbox"/> H/W #3 _____ ft ² <i>If vent is not provided when site conditions appear to require same, contact the local building department for consultation.</i> <input type="checkbox"/> Existing Equipment	Chapter 30 3004 3004.3	Area of vents. 1) Except as provided for in section 3004.3.1, the area of the vents shall not be less than 3½ percent of the area of the hoistway; nor a) less than 3 square feet (0.28 m2) for each elevator car, and b) not less than 3½ percent nor less than 0.5 square foot (0.047 m2) for each dumbwaiter car in the hoistway, whichever is greater. c) Of the total required vent area, not less than one-third shall be of the permanently open type unless all vents activate upon detection of smoke from any of the elevator lobby smoke detectors. 2) Exceptions: If the building is fully sprinklered, vents are only required for the following occupancy groups: a) R-1 – Residential..... i) Boarding houses, hotels/motels (transient) b) R-2 – Residential..... i) Apts. convents, dormitories, fraternities, monasteries, vacation timeshare, hotels/motels (non-transient) c) I-1 – Institutional..... i) residential board & care, ALF's, halfway houses, congregate care residences, rehab facilities, alcohol/drug centers, & convalescent homes. d) I-2 – Institutional..... i) Hospitals, nursing homes, mental hospital, detox centers, outpatient clinics	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Does not apply <input type="checkbox"/> Does not apply <input type="checkbox"/> Does not apply <input type="checkbox"/> Does not apply

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY Electric & Hydraulic	A17.1 (A17.2)	COMMENTS	CARS 1-6
Wiring: Use Elevator Rated Cables. (NEC - Table 400) SO Cord not legal for travelers	NEC 620-11 620-21	1) Hi-temp door lock wire 2) Certified elevator traveling cable 3) Flame retardant wiring throughout	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Counterweights (Where provided) <input type="checkbox"/> Existing Equipment	8.4.7 3.33.3.2 (3.33)	1) Seismic requirements apply to elevators with rated speed of 0.75 m/s (150 fpm) or greater. 2) Hydraulic Elevators..... a) Verify the top counterweight clearance and bottom counterweight runby. b) Also, verify that a counterweight buffer is not provided. c) If a counterweight is provided and the space below the hoistway is not permanently secured against access, verify that a counterweight safety is provided.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Top Work Light	2.14.7.1.4 (3.2)	1) Must be provided with a guard 2) A second stationary light fixture is required when a pendant style light is used 3) One switch shall control both lights 4) Minimum illumination to be 50 lx (5ftc) at car top (evenly distributed as possible)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
GFI 15 & 20 Amp Receptacles	NEC 620-85	1) Must be of the GFI type and shall not extinguish car top work light.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Top of Car Operating Station	2.26.1.4.2 (3.3) (3.1)>	1) Top-of car inspection operation shall conform to 2.26.1.4.1 and the following: a) A stop switch (see 2.26.2.8) shall be permanently located on the car top and readily accessible to a person, while standing at the hoistway entrance normally used for access to the car top. b) The transfer switch [see 2.26.1.4.1(b)] shall be located on the car top and shall be so designed as to prevent accidental transfer from the "INSPECTION" to "NORMAL" position. c) A separate device of the continuous-pressure type labeled "ENABLE" shall be provided adjacent to the inspection operating devices. d) The inspection operating devices shall become effective only when the "ENABLE" device is activated. e) The inspection operating devices [see 2.26.1.4.1(c)], shall be permitted to be of the portable type, provided that..... i) the "ENABLE" device [see 2.26.1.4.2(c)], and a stop switch, in addition to the stop switch required in 2.26.1.4.2(a) are included in the portable unit (2) the flexible cord is permanently attached so that the portable unit cannot be detached from the car top 2) Separate additional devices of the continuous pressure type shall be permitted to be provided on the car top to make power door opening and closing and automatic car leveling operative from the top of the car for testing purposes.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Clearances			
Top of Car Clearance (See Table 2.4.2.2) t = maximum travel above top landing (in.) S = cwt. Buffer stroke (in.) R = bottom cwt. Runby (in.) Sc = cwt. compression w/car at top landing (in.) Vr = rated speed (fpm) Vg = governor tripping speed (fpm) § 2.4.4 & 2.4.5. A data plate must be provided in the pit and in the area of the counterweight buffer indicating the <i>designed</i> cwt. runby. The data plate must have 1" high letters or numbers and shall be of a permanent and legible type. <input type="checkbox"/> Existing Equipment	2.4.6 (3.4)	<u>With compensating rope tie down:</u> 1. Compressed buffer w/car at top floor;..... $(t = S - Sc) \quad t = \underline{\quad} - \underline{\quad} = \underline{\quad}$ " 2. Reduced stroke buffer;..... $(t = R + S) \quad t = \underline{\quad} + \underline{\quad} = \underline{\quad}$ " 3. Other oil buffers;..... $(t = R + S) \quad t = \underline{\quad} + \underline{\quad} = \underline{\quad}$ " <u>Without compensating rope tie down:</u> 1. Compressed buffer w/car at top floor;..... $t = S - Sc + Vr^2(3.423 \times 10^{-5})$ $t = \underline{\quad} - \underline{\quad} + \underline{\quad}^2(3.423 \times 10^{-5})$ 2. Reduced stroke buffer;..... $(R + 1.5S) \quad t = \underline{\quad} + 1.5 \underline{\quad}$ 3. Other oil buffers;..... $t = R + S + Vr^2(3.423 \times 10^{-5})$ $t = \underline{\quad} + \underline{\quad} + \underline{\quad}^2(3.423 \times 10^{-5})$ 4. Spring buffers;..... $t = R + S + Vg^2(2.588 \times 10^{-5})$ $t = \underline{\quad} + \underline{\quad} + \underline{\quad}^2(2.588 \times 10^{-5})$N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Top Enclosures Guardrails <i>Refer to 2.10 for configuration of standard handrails.</i>	2.14.1.7	Car top Guardrails are required when: 1) >300 mm (>12") from H/W enclosure to car (measured on all sides) 2) Must be non-combustible 3) Withstand a lateral impact of 135kg (300#) without appreciable deformation 4) Shall be to a maximum height of 1100 mm (43") allowing for overhead clearances in Req. 2.4.6 & 2.4.7. 5) Must extend from edge-to-edge. (Note: this requirement is not specified in code, but is necessary in order to protect the fall-potential.N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Equipment Clearances for Uncounterweighted Elevators Refer to previous top of car clearance check for value of 't'. <input type="checkbox"/> Existing Equipment	2.4.6 (3.4)	Minimum 150 mm (6") from overhead 1) $A > t$ 2) $B \geq t + 6$ 3) $C \geq t + 24$N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Horizontal Clearances (Refer to Oregon Structural Specialty Code for Seismic zones in Oregon. Typically all counties west of the Cascade range are in Zone 3. Eastern Oregon is zone 2B) Refer to Page 58 of the A17.1 handbook. <input type="checkbox"/> Existing Equipment	2.5 (3.14) 2.5.1.1 2.5.1.3 2.5.1.5 8.4.1.1	1) Minimum clearances required for all cars. (*No Seismic requirements apply in a) & b) below) a) Between car & hoistway; 20 mm (¾") min. on sides not used for loading & unloading b) Between cars; 50 mm (2") minimum. 2) Car sill to hoistway or fascia for full width of opening;..... a) 125 mm (5") maximum with horizontal doors. b) 190 mm (7½") maximum with vertical doors. 3) Cwt. Seismic Clearance Requirements a) Car to Cwt. assembly; minimum. 50 mm (2") b) Car to Cwt. assembly w/double "U" brackets; minimum 100 mm (4"). c) H/W to Cwt. assembly; minimum 50 mm (2"). d) Nearest obstruction to Cwt. assembly; minimum 25 mm (1").	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Top Counterweight Clearance 1. ½ gravity is used with oil buffers & no cwt. anti-jump prevention. (Use 115% of rated speed) 2. ½ buffer stroke is used when a reduced stroke buffer is provided. 3. Use ½ gravity (g) when car spring buffers are used. (Use rated governor trip speed) <input type="checkbox"/> Existing Equipment	2.4.9 (3.24)	Clearance shall not be less than the sum of the following: 1) Bottom Car runby = 2) Buffer stroke = 3) 150 mm (6") = 4) ½ g stopping distance = 5) ½ car buffer stroke =	Enter Measurements on Data Sheet
Overhead Sheaves (Electric elevator only)	2.24 (3.25)	1) Ensure sheaves are sized properly and adhere to the submitted drawings.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/>
Guarding of Snag Points	8.4.3.2	Where the following is less than indicated from snag points or brackets guarding is required: 1) Comp. ropes; less than 756 mm (30") 2) Comp. chains; less than 915 mm (36") 3) Governor rope; less than 500 mm (20") 4) Hoist ropes; less than 300 mm (12") 5) Traveling cables; less than 915 mm (36")	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Emergency Terminal Stopping Devices (generator field control systems using the normal limit to reduce generator output are not required to have these devices)	2.25.4.1 (3.6) 2.25.4.2	1) When reduced stroke buffers are used, a speed-limiting device conforming to Req. 2.25.4.1 shall be provided. 2) Required on static drive systems with rated speed over 1.00 m/s (200 fpm) 3) Should operate to disconnect main drive power from machine and brake	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Normal Terminal Stopping Device <input type="checkbox"/> Mechanically Operated <input type="checkbox"/> Magnetically Operated <input type="checkbox"/> Optical Reader <input type="checkbox"/> Static Switch	2.25.2 (3.5)	1) Normal limit switches must: a) Be provided at top terminal landing b) Slow and stop car at or near top landing c) Function independently of the normal stopping device d) Cars w/rated speed ≤ 0.76 m/s (≤ 150 fpm); may also be used as the normal stopping means. e) Must operate until final is actuated f) Operated by movement of the car 2) Normal Limits may be located: a) Traction Machines:..... i) on car ii) in hoistway iii) machine room b) Drum Machines:..... i) on car ii) in hoistway	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Final Terminal Stopping Device <input checked="" type="checkbox"/> Mechanically Operated Only <input checked="" type="checkbox"/> Located in the hoistway only. <input checked="" type="checkbox"/> Located also on the machine for drum machines. <input checked="" type="checkbox"/> Not required on direct plunger hydraulic elevators.	2.25.3 (3.6)	Where required: 1) Cams shall be metal only. 2) Contacts must be opened mechanically. 3) With spring buffers: must engage prior to buffer contact. 4) Must continue to operate a minimum distance of 600 mm (24"). 5) Must operate above landing the distance of the cwt. runby plus 1 ½ time buffer stroke. 6) Prevent movement of the car in either direction.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Broken Rope, Chain or Tape Switch	2.25.2.3.2 (3.26)	1) Systems employing ropes, chains or tapes connected to the car to provide a stopping means shall be provided with a device to remove main power if the rope, chain or tape should break.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Crosshead Data Plate <input type="checkbox"/> Existing Equipment	2.16.3 (3.27)	Items to be included on the data plate: 1) Weight of combined car frame & cab 2) Rated load and speed 3) Wire rope data (when applicable) 4) Manufacturer's name 5) Year manufactured	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Floor Numbering	2.29.2 (3.4)	1) Numbers shall be not less than 100 mm (4") high. 2) Located on each hoistway door or enclosure.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Emergency Identification (Multiple Cars Only)	2.29.1	1) Car Top number shall be not less than 50 mm (2") high on crosshead or car top in visible location	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Top Emergency Exit <input type="checkbox"/> Existing Equipment	2.14.1.5 (2.14.1.5.2) (3.8) 8.4.4.1.2	The exit shall comply with the following: 1) Be not less than 0.26 m ² (400 sq. in.) 2) Be not less than 400 mm (16") on any side 3) Have a clear space above the car top not less than 1100 mm (43"); or 4) Have a clear space of not less than 600 mm (24") with a clear angle of 60 deg. 5) Be equipped with a switch that will prevent the car from operating at more than 0.75 m/s (150 fpm.)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Refuge Space <input type="checkbox"/> Existing Equipment	2.4.12.1 (3.4.7) 2.4.12.2	1) Minimum Area: a) 0.51 m ² (5.49 ft. ²), b) 600 mm (24") (one side) c) 1100 mm (43 in.) high 2) In any area outside the refuge space where the vertical clearance between the top of the car enclosure and the overhead structure or other obstructions is less than specified in 2.4.12.1, the top of the car enclosure shall be clearly marked. a) The marking shall consist of..... i) alternating 100 mm (4 in.) diagonal red and white stripes. ii) In addition, a sign with the words "DANGER LOW CLEARANCE" iii) shall be prominently posted on the crosshead and be visible from the entrance. iv) The sign shall conform to ANSI Z535.2 or CAN/CSA-Z321, whichever is applicable (see Part 9). The sign shall be of such material and construction that the letters and figures stamped, etched, cast, or otherwise applied to the face shall remain permanently and readily legible.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Counterweights <input type="checkbox"/> Existing Equipment	2.21 (3.28 & 3.33)	Where provided, counterweights shall comply to the following: 1. Frames shall be of structural or formed metal frames. 2. Weight section retention means shall be provided. 3. When provided a minimum of 2 weight rods shall be used w/lock nut and cotter pin at each end. 4. Ensure cwt. frame is securely fastened together.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Frame & Stiles <input type="checkbox"/> Existing Equipment	2.15 (3.18) 2.15.7.3 2.15.6	1) Check for loose connections on frame and platform. 2) Hillside washers or bevel headed bolts shall be used where applicable. 3) Class B & C loading:..... a) Platform stringers shall be of steel or other metals 4) Class A loading:..... a) Platform stringers may be of steel, wood or other metals. 5) Wood Platforms:..... a) Must be covered with sheet metal or a fire retardant material; or b) Covered with a fire retardant coating.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Counterweight Safeties (See Table 2.17.3) - Type A <=150 fpm - Type B (any speed) - Type C <=500 fpm <input type="checkbox"/> Existing Equipment	2.17.4 (3.29)	Safeties shall be: 1) Required where there is occupied space below hoistway. 2) Shall be only mechanically set. 3) Application shall not cause the frame to be out of level more than 10 mm (3/8").	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Guide Rails & Fastenings <input type="checkbox"/> Existing Equipment Maximum guide rail bracket spacing is determined by the following: $Kg = (cdw + 0.4C)0.454$ $kips = Kg / 453.6$ Where: Kg = kilograms cdw = car dead weight or cwt. dead weight C = car capacity Determine the maximum rail bracket spacing from tables 8.4.8.2.1-8) based on the rail size.	8.4.8 2.17.16 (3.19)	1) Guide Rails shall conform to the following: a) Minimum 4 bolts per end of rail to fishplate b) Fishplate width not less than back of rail c) Bracket spacing dependent on size of rail and total weight on pair of rails (see Part 8 tables 8.4.8.2.1-8 d) Crosshead sign required to read: "CONSULT MANUFACTURER OF THE SAFETY FOR THE CHARACTERISTICS OF THE RAIL LUBRICANT TO BE USED" If lubricants are not to be used the sign shall so state. Note: A safety test is required if other than mfg. recommended lubricants are used.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hoistway Door Locking Devices <input type="checkbox"/> Existing Equipment	2.12.1 (4.4) 2.12.2 (4.4)	1) <i>Passenger Elevators:</i> a) Must be equipped with interlocks b) Listed to UL104 standard 2) <i>Freight Elevators:</i> a) Must be equipped with interlocks b) Under 4570 mm (15') rise may have combination contacts and locks	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TOP OF CAR & HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Pipes, wiring and ducts <input type="checkbox"/> Existing Equipment	2.8.2 (2.8.1.4) OR. Amend. (3.12)	No unrelated wiring, ducts or piping allowed. 1) Sprinkler branch lines and risers must be located outside hoistway. 2) All wiring must be in approved raceway or conduit. 3) Electrical conduit, fittings and covers must be as follows: a) (348-12) Conduit Supports every 3050 mm (10') & within 915 mm (36") of boxes. b) (362-8) Gutter Supports shall not exceed: i) Horizontal Runs; 1525-3050 mm (5-10' ii) Vertical Runs; 4572 mm (15') c) (370-18) Plug Open "knockouts" d) (370-25) Outlet box covers must be provided. e) (370-28c) J-box covers required.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Projections & Recesses <i>The degree of bevel may be less than 75° when it can be demonstrated that materials cannot be remain on the ledge.</i>	2.1.6 (3.13)	The following shall apply: 1) Only sills, headers, etc. may project into hoistway on entrance sides. 2) Recesses are prohibited except to install elevator equipment. 3) Ledges over 100 mm (4") must be beveled not less than 75° 4) Top of setbacks shall be beveled at not less than 75°	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Traveling Cables <input type="checkbox"/> Existing Equipment	2.8.1 (3.16)	Traveling Cables must conform to the following: 1) (620-11) Must comply with Table 400 2) (620-41) Properly supported at 30-60m (100-200') lengths 3) (620-43) Shall be protected from damage and snags 4) (620-44) Run in lengths no greater than 1830 mm (6') outside gutter or conduit. 5) (620-83) Be properly grounded to the car.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Governor Releasing Carrier <input type="checkbox"/> Existing Equipment	2.17.15 (3.21)	1) Tension shall be set to not more than 60% of the pull out tension of the governor.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Governor Rope <input type="checkbox"/> Existing Equipment Mark appropriate rope type. Minimum 3/8" diameter. <input type="checkbox"/> Iron <input type="checkbox"/> Steel <input type="checkbox"/> Monel metal <input type="checkbox"/> Phosphor bronze <input type="checkbox"/> Stainless steel	2.18.5 (3.20)	The tag shall include: a) Rope diameter b) Breaking strength c) Material grade d) mm/yy installed e) Preformed or non-preformed f) Construction classification g) Firm installing rope h) Manufacturer i) Min. 1.5 mm (1/16") lettering	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hitch Plates <input type="checkbox"/> Existing Equipment	2.15.13 (3.22)	1) Must be located under the crosshead. 2) Overhead hitch plates are to be fastened to the top of the overhead beams. 3) Direct tension must not be placed on bolts	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

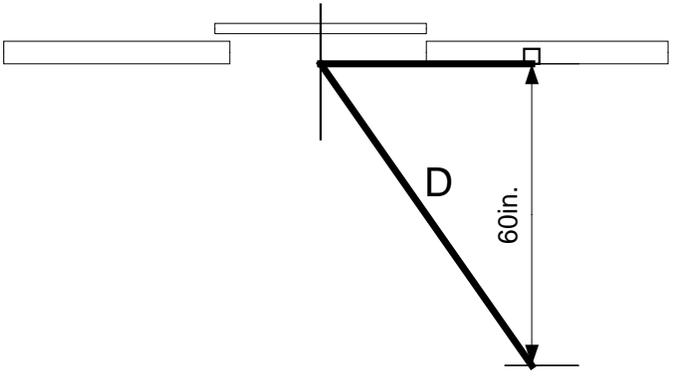
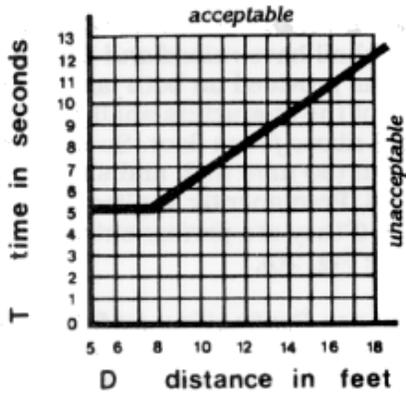
OUTSIDE HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Hoistway Enclosure <input type="checkbox"/> Existing Equipment	2.11 (4.8)	1) Ensure there are no questionable openings in enclosure around entrance frames. 2) If glass is used ensure that laminated glass is provided and properly marked. 3) Other items may need to be deferred to the building official	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Emergency doors <input type="checkbox"/> Existing Equipment	2.11.1.1 (2.11.1.2) (4.10)	Required in blind hoistways: 1) Every 3 rd floor but no more than 11 m (36'). 2) 2030 mm x 700 mm (6'8" x 28") minimum size 3) Free from obstacles 4) Horizontal sliding type; or 5) Single swing 6) Self-closing and self-locking 7) Sign to read; "DANGER, ELEVATOR HOISTWAY" (min. 50 mm (2") letters) 8) Door must be provided with electric contact. 9) Provided with a five pin/disk cylinder lock 10) Lock to be uniquely keyed 11) Key only removable in locked position 12) Key to be kept on premises	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Access to Hoistway <input type="checkbox"/> Existing Equipment	2.12.6.1 (4.5) 2.12.7.1	1) Door Unlocking Devices a) Hoistway door unlocking devices shall be provided for use by authorized and emergency personnel for each car at every landing where there is an entrance. 2) Hoistway Access Switches..... a) Rated speed > 0.75 m/s (150 fpm) i) Hoistway access switches required Located at the top and bottom landings. b) Rated speed ≤ 0.75 m/w (150 fpm). i) Required at top landing if top of car is greater than 900 mm (35 in.) from top landing w/car at next level below. a) Access cannot be operative if TOC inspection station is active. b) Bottom landing: upward travel limited to point where bottom of toe guard is even with header. c) Other landings: i) downward travel is limited to a point where car top is even with landing sill. ii) Upward travel limited to length of toe guard	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Hall Stations <input type="checkbox"/> Existing Equipment	A117.1 4.10.3	1) 1100 mm (43") to center line of fixture 2) 19 mm (3/4") min. button size	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Door Jamb Braille Markings	A117.1 4.10.5	1) 1525 mm (60") on center from floor.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Emergency Numbering (Multiple cars in bldg. only)	2.29.1	1) Elevator number is required at the designated level on each entrance frame. a) Minimum 75 mm (3-in.) high	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Fire Service Signs, Phase I	2.27.7	1) Located adjacent to the Phase I keyed switch	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

OUTSIDE HOISTWAY	A17.1 (A17.2)	COMMENTS	CARS 1-6
Fire Signs, Use Stairway (Not required in main lobby)	OSSC 3002.3	1) Required by the building code. See A17.1 Appendix O for sample pictograph. May be only one per group-system.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Power Closing of Hoistway Doors <input type="checkbox"/> Existing Equipment	2.12.3.1 (4.6)	1) Manual H/W Door w/Power Car Door a) When the car door is closed under power by automatic means created by momentary push button or timer control, the hoistway door must be closed before the car door can close. This feature not required if car door is controlled via constant pressure push button.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.13.3.2	2) Power Closing of Car & H/W doors via CPPB. (Horizontal or vertical)..... a) Gates and doors shall stop, or stop and reopen. Sequencing is not required.N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.13.3.3	3) Power Closing of Car & H/W door by automatic means. (Horizontal doors)..... a) Only for automatic & constant pressure elevators. Kinetic energy must be observed and door open button required.N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Sequence Operation Required	2.13.3.4 2.13.5 2.13.6 (4,7)	4) Power Closing of Car & H/W doors by automatic means. (Vertical doors)..... a) Requires an audible warning device to sound at least 5 sec. prior to doors beginning to close. Delay may be omitted if close is started by push button. Sequence closing is required; door open button is required and a door-reopening device is required.N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Emergency Power Operation <input type="checkbox"/> Existing Equipment	2.16.8 (4.12)	Not required by the elevator code, but when provided the following shall apply: 1) Compliance with Rule 2.26.10; regenerated power. 2) Manual power transfer switch for multi-car systems 3) Power selection switch must be keyed	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Standby Emergency Power The key shall be Group 3 Security (see 8.1); and	2.27.2.3 (4.12)	1) An illuminated signal marked "ELEVATOR EMERGENCY POWER" shall be provided in the elevator lobby at the designated level to indicate that the normal power supply has failed and the emergency or standby power is in effect.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.2.4.1	2) A selector switch(es) marked "ELEVATOR EMERGENCY POWER" in red lettering a minimum of 5 mm (0.25 in.) in height; and	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.2.4.2	3) The selector switch(es) positions shall be marked to correspond with the elevator identification number (see 2.29) and a position marked "AUTO."	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Corridor Illumination <input type="checkbox"/> Existing Equipment	2.11.10.2	1) Minimum 100 lx (10 ftc) @ floor level w/doors closed. 2) Take nominal readings in front of each group of cars. In larger lobbies, multiple readings may be necessary.	Enter Measurements on Data Sheet

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

OUTSIDE HOISTWAY	A17.1 (A17.2)	COMMENTS	NA
Separate Counterweight Hoistway <input type="checkbox"/> Existing Equipment	2.3.1 (4.11)	Remote counterweights shall only be use d: 1) When no compensation is provided 2) Hoistway fully enclosed 3) Access for maintenance required at intervals not to exceed 11 m (36') 4) Access doors to be a minimum 1980 mm (6'6") 5) Access doors required for each set of counterweights 6) Light switch located inside entry door 7) Duplex receptacle located inside entry door (shall conform to Art. 620-85) 8) Permanent electric lighting 9) Emergency stop switch required 10) Ropes and sheaves leading to the cwt. shall be guarded against unauthorized access. 11) Maximum, 4 cwt. In the same hoistway separated by solid guard at top, bottom & center of hoistway 12) Guards to be a minimum of 2440 mm (8') long opposite the entry door. 13) Minimum of 610 mm (2') between the counterweight and the entry door.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Symbols 	OSSC 3002.4	1) "Star of Life" symbol [elevators with 4 or more stops] placed on at least one elevator with an interior to accommodate a 24" x 76" stretcher. 2) The symbol must be 75 mm (3-in.) in height and located on both sides of the entrance frames. The height from the floor is not specified but should be placed above the jamb tag.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Minimum Hall Call Door Time $T=D/1.5 \text{ ft/s}$; or $T=D/455 \text{ mm/s}$	A117.1 4.10.1.7	1) The minimum acceptable time from notification that a car is answering a call until the doors of that car start to close shall be calculated from one of the following equations (see left column) where T = total time in seconds and D = distance (ft. or mm) from the point in the lobby or corridor 60 in. (1525 mm) directly in front of the farthest call button controlling that car to the centerline of its hoistway door.	Enter Measurements on Data Sheet



ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

PIT AREA	A17.1	COMMENTS	CARS 1-6
Bottom Runby; Car & Cwt. (Minimum requirements unless otherwise noted) <input type="checkbox"/> Existing Equipment	2.4.3 2.4.2 2.4.4	1) Un-counterweighted:..... a) ≤ 0.13 m/s (25 fpm); 75 mm (3") b) > 0.13 m/s (25 fpm); (6") 2) Counterweighted w/spring buffers & rheostatic control or s/sp. AC control: a) ≤ 0.13 m/s (25 fpm); 75 mm (3") b) > 0.13-0.25 m/s (25-50 fpm); 150 mm (6") c) > 0.25-0.50 m/s (50-100 fpm); 225 mm (9") d) > 0.50-1.0 m/s (100-200 fpm); 300 mm (12") e) w/oil Buffers; 150 mm (6") f) w/spring buffers; 150 mm (6") 3) Maximum Runby: a) Car; 600 mm (24"); b) Cwt.; 915 mm (36");N/A <input type="checkbox"/> N/A <input type="checkbox"/> Enter Measurements on Data Sheet
Normal Terminal Stopping Device <input type="checkbox"/> Existing Equipment <input type="checkbox"/> Mechanically Operated <input type="checkbox"/> Magnetically Operated <input type="checkbox"/> Optical Reader <input type="checkbox"/> Static Switch	2.25.2 (5.4)	1) Normal limit switches must: a) Be provided at bottom terminal landing b) Slow and stop car at or near bottom landing c) Function independently of the normal stopping device d) Cars w/rated speed ≤0.75 m/s (150 fpm); may also be used as the normal stopping means. e) Must operate until final is actuated f) Operated by movement of the car 2) Normal Limits may be located: a) Traction Machines:..... i) On car ii) In hoistway iii) Machine room b) Drum Machines:..... i) On car ii) In hoistway	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Frame & Stiles <input type="checkbox"/> Existing Equipment	2.15 (3.18) 2.15.7.3 2.15.6	6) Check for loose connections on frame and platform. 7) Hillside washers or bevel headed bolts shall be used where applicable. 8) Class B & C loading:..... a) Platform stringers shall be of steel or other metals 9) Class A loading:..... a) Platform stringers may be of steel, wood or other metals. 10) Wood Platforms:..... a) Must be covered with sheet metal or a fire retardant material; or b) Covered with a fire retardant coating.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Traveling Cables & Electrical <input type="checkbox"/> Existing Equipment	2.8.2 (5.5) 2.8.2.3.5	1) Traveling Cables must conform to the following: a) (620-11) Must comply with Table 400 b) (620-43) Shall be protected from damage and snags c) (620-44) Run in lengths not greater than 1830 mm (72") outside gutter or conduit from point of suspension on car. d) (620-83) Be properly grounded to the car. e) Must not contact pit floor with car resting on buffers 2) When the hoistway is sprinklered, electrical equipment located less than 1220 mm (48") above pit floor:..... a) Shall be NEMA-4 enclosed (weatherproof); and b) Wiring shall be identified for use in wet locations. c) Pit sprinkler subject to shunt trip device.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Guiding Members <input type="checkbox"/> Existing Equipment	2.15.2 (5.8) 8.4.5.1	1) Ensure roller or slide guides are securely fastened to car frame. 2) Position restraints required either separate or part of guide member.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

PIT AREA	A17.1	COMMENTS			CARS 1-6
Car Platform Guard <input type="checkbox"/> Existing Equipment	2.15.9.2 (4.1) {2.15.9}	1) Must be equal to or greater than width of door opening. 2) Must be adequately supported. 3) Electric:..... a) minimum height of the leveling zone plus 75 mm (3"). (Minimum 1220 mm (48")). 4) Hydraulic elevator:..... a) minimum height of the leveling zone plus 75 mm (3"). (Minimum 525 mm (21"))			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Governor Rope Tension Sheave <input type="checkbox"/> Existing Equipment Minimum governor sheave diameter:	2.18.7 (5.6)	Rated Speed ≤1.00 m/s (200 fpm) ≤1.00 m/s (200 fpm) >1.00 m/s (200 fpm) >100 m/s (200 fpm)	# of Strands 6 8 6 8	Diameter 42 30 46 32	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
GFI 15 & 20 Amp Receptacles <input type="checkbox"/> Existing Equipment	NEC 620-85	1) Must be of the GFCI type. 2) Shall not extinguish pit lighting if tripped.			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Spring Buffers <input type="checkbox"/> Existing Equipment	2.22.3	Marking plates showing stroke, load rating and number of springs Minimum Buffer Stroke: Rated Speed <input type="checkbox"/> ≤ 50 m/s (100 ft/m) <input type="checkbox"/> > 0.51-0/75 m/s (101 to 150 ft/m) <input type="checkbox"/> > 0.76-1.0 m/s (151 to 200 ft/m)			N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Oil Buffers <input type="checkbox"/> Existing Equipment Buffer Plate Markings: 1) Maximum & minimum loads 2) Maximum striking speed 3) Oil viscosity range 4) Viscosity index number 5) Pour point of oil in degrees C (F). 6) Buffer stroke 7) Gas composition (when applicable)	2.22.4 (5.9)	Speed 1.50 m/s (300 fpm) 1.75 m/s (350 fpm) 2.00 m/s (400 fpm) 2.25 m/s (450 fpm) 2.50 m/s (500 fpm) 3.00 m/s (600 fpm) 3.50 m/s (700 fpm) 4.00 m/s (800 fpm) 4.50 m/s (900 fpm) 5.00 m/s (1000 fpm) Over 5.75 m/s (1150 fpm see 2.22.4.1)	115% 1.73 m/s (345 fpm) 2.01 m/s (402 fpm) 2.30 m/s (460 fpm) 2.59 m/s (517 fpm) 2.88 m/s (575 fpm) 3.45 m/s (690 fpm) 4.03 m/s (805 fpm) 4.60 m/s (920 fpm) 5.18 m/s (1035 fpm) 5.75 m/s (1150 fpm)	Stroke 155 mm (6 ¼") 205 mm (8 ¼") 270 mm (11") 340 mm (13 ¾") 425 mm (17") 605 mm (24 ¾") 825 mm (33 ¼") 1080 mm (43 ¾") 1365 mm (55 ½") 1685 mm (68 ½")	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Final Terminal Stopping Device <input type="checkbox"/> Existing Equipment <input type="checkbox"/> Mechanically Operated Only <input type="checkbox"/> Located in the hoistway only. <input type="checkbox"/> Located also on the machine for drum machines.	2.25.3 (5.3)	1) Cams shall be metal only. 2) Contacts must be opened mechanically. 3) With spring buffers: must engage prior to buffer contact. 4) Must continue to operate a minimum distance of 610 mm (24"). 5) Must operate above landing the distance of the runby plus 1 ½ time buffer stroke. 6) Prevent movement of the car in either direction.			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Compensating Ropes, Chains and Sheaves <input type="checkbox"/> Existing Equipment	2.17.17 (5.10.3.1)	1) Speeds greater than 3.5 m/s (700 fpm); provide a device to tie car & cwt. together to limit car or cwt. jump.			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Counterweight Safety & Buffer Tests (Safeties N/A <input type="checkbox"/> Enter Measurements on Data Sheet	(3.29.3.1)	Counterweight safety test performed with empty car: 1) Measure governor tripping speed with a tachometer. (See tables 2.29.2(a)-(e)) 2) Governor shall be sealed if any adjustments are made. 3) Governor overspeed switch 0.75 m/s (> 150 fpm) 4) Check slide 5) Governor pull through 6) Buffer test; buffer should return to full extension within 90 sec.			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TESTING	A17.1 (A17.2)	COMMENTS	CARS 1-6
Slack Rope Device <input type="checkbox"/> Existing Equipment	2.26.2.1	1) Required on drum machines	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Shunt Trip Device	2.8.3.2	1) Activation device may be either: a) Heat detector located within 610 mm (24") of sprinkler head; or b) Flow sensor without time delay device. c) Device must be supervised through the fire alarm panel. 2) Shunt-trip must be located in elevator machine room. 3) Ensure that opening the disconnect will not trigger an alarm or trouble signal.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Car Safety & Buffer Tests Required with rated load in car. Counterweight buffer and safety tests performed with empty car. Overspeed; not more than 90% of maximum governor trip speed. Buffer tests shall be done with the normal limits temporarily disabled. Enter Measurements on Data Sheet	8.10.2 8.10.2.2.2(bb)(2) 8.10.2.2.2(r)(3) 8.10.2.2.2(bb)(4) 8.10.2.2.2(bb)(1)(c) 8.10.2.2.2(bb)(1)(d) 8.10.2.2.5(c) 8.10.2.2.5(c) 4	1) Car Safeties (w/rated load in car): 2) Type A Safeties to be set by hand at rated speed. 3) Obtaining the necessary slack shall operate type A safeties set by slackening the ropes. 4) Type B & C safeties to be subjected to an overspeed test. a) AC drive motors may be tested at normal speed and tripping governor by hand when sufficient over-speed is not attainable. 5) Governor shall be sealed if any adjustments are made. 6) SOS switch operation 7) Full load buffer test; buffer should return to full extension within 90 sec. 8) Reduced stroke buffers shall be tested at the reduced striking speed.	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Inspection Operation with Door Locks & Gate Switches Bypassed. Individual switches may be used to bypass groups of door locks. Machine room inspection operation is not allowed when door lock bypass switches are engaged.	2.26.1.5 2.26.1.5.2 2.26.1.5.1 2.26.1.5.3 2.26.1.5.4 2.26.1.5.8 2.26.1.5.8	1) The following shall be provided and located in the machine room: a) Car door bypass switch b) Hoistway door bypass switch c) Clearly labeled with "bypass" and "open" positions d) Contacts opened mechanically & not dependent solely on springs e) Use of relays shall not render door locks inoperative if relay fails f) Shall only allow operation of car in inspection mode g) When both switches are in bypass mode car can be operated by only car-top or in-car inspection control. h) Warning sign required adjacent to bypass switches: i) "Jumpers shall not be used to bypass hoistway-door or car-door electric contacts"	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Faulty Door Lock Monitoring System Ø Short-out gate switch and attempt to operate car with doors open. Ø Check to see that doors will not close if gate switch or hoistway door lock is bypassed.	2.26.5	1) A means is required to monitor positions of power-operated car doors mechanically coupled to hoistway doors when at landing zone. 2) Operation must be prevented if car door is open even if gate switch is electrically closed. 3) Doors must be prevented from closing if fully open when: (except in Req. 2.26.1.5)..... a) Car door contact is made or bypassed b) The hoistway door at the landing is closed or bypassed.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Ascending Car Overspeed Protection	8.10.2.2.2(cc)(1)	1) Tested with no load in the car. 2) Must conform to 2.19.1.2	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Unintended Car Movement	8.10.2.2.2(cc)(2)	1) Must conform to 2.19.2.2	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TESTING	A17.1 (A17.2)	COMMENTS	CARS 1-6
Car Speed <input type="checkbox"/> Existing Equipment	8.10.2.2.2(dd)	1) Check rated speed in both directions with and without rated load.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Emergency Brake	2.19.1.3	1) Test emergency brake operation. Refer to Table F1 (indicate type on table)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Braking System <input type="checkbox"/> Existing Equipment	8.10.2.2.2(o)	1) For passenger elevators and all freight elevators, the brake shall be tested for compliance with applicable requirements. Place the load as shown in Table 8.11.2.3.4 in the car and run it to the lowest landing by normal operating means. The driving machine shall safely lower, stop, and hold the car with this load. Freight elevators of class C-2 loading shall sustain and level the elevator car. (2.16.6) (Item 2.15) a) Braking system (2.24.8.2.2) b) Electro-mechanical brake (2.24.8.3)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Class of Service	Not Permitted to Carry Passengers	Permitted to Carry Passengers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Passenger	Not applicable	125% rated load	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Class A	Rated load	125% rated load	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Class B	Rated load	125% rated load	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Class C1	Rated load	125% rated load	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Class C2	Up to 150% rated load	Up to 150% rated load	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Class C3	Rated load	125% rated load	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
One Piece Load by 2.16.7	Rated load or one piece load, whichever is greater	125% rated load or one piece load, whichever is greater	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Detector Locations (Oregon amendment) Note: Landings exposed directly to the outside atmosphere may be covered by an awning or similar structure. But essentially, the "outside" area should not be more than a nominal 4-6 ft. from the elevator door or in any lobby area where smoke cannot readily accumulate.	<p>2.27.3.2.1 <i>In jurisdictions not enforcing the NBCC, fire alarm initiating devices shall be installed in conformance with the requirements of NFPA 72, and shall be located</i></p> <p>(a) <i>at each floor served by the elevator except as modified in this requirement ;</i></p> <p>(b) <i>in the associated elevator machine room; and</i></p> <p>(c) <i>in the elevator hoistway, when required by NFPA 72.</i></p> <p>(d) Fire alarm initiating devices are <u>not required</u> in elevator lobbies exposed directly to the outside atmosphere. Where provided, they must operate as required by Section 2.27.3.</p> <p>(e) Where an elevator has fire alarm initiating devices located only in the elevator machine room, hoistway, or both locations, and the building is not provided with a fire alarm control panel, the fire alarm control unit shall be permitted to be omitted, providing the elevator operation defaults to Phase I Emergency Recall Operation if either fire alarm initiating device or its related circuit fails.</p> <p>(f) Fire alarm panels, annunciators and associated wiring shall not be installed in elevator machine rooms or control spaces. Only panels and relays necessary to directly interface with the elevator control, shall be permitted to be installed in elevator machine rooms or control spaces.</p> <p>(g) In existing buildings with an existing fire alarm control system that is not capable of supervising detectors used for elevator recall, fire alarm initiating devices specific to elevator recall shall be permitted to be connected to a separate control unit.</p> <p>(h) Annunciator panels used to supervise fire alarm initiating devices used for elevator recall are required to be located in an area of the building where the panel can be readily seen and heard.</p>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TESTING FIRE SERVICE Phase I	A17.1 (A17.2)	COMMENTS	CARS 1-6
<p>Fire Service Recall Fire alarm initiating devices (front/rear):</p> <p>Smoke detectors shall be tested at each landing. In buildings exceeding 10 landings it <u>may</u> only be necessary to check incoming fire alarm initiating device signal without putting elevators on recall once correct elevator operation has been established.</p> <p>Use data sheet for fire alarm initiating device tests.</p> <p>2.27.3.2.1 Detectors are to be located at each elevator lobby (optional at unenclosed landings) machine room and at the top of the hoistway if the top of the hoistway is sprinklered or the detector is used to activate a smoke control system. Refer to NFPA 72 for additional details.</p>	2.27.3.1	Req. 2.27.3 does not apply if: 1) Hoistway is not required to be fire rated: <i>and</i> 2) Travel does not exceed 2000 mm (80"); <i>and</i> 3) Does not penetrate a floor Keys are designated Security Group 3	N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.1>	1) Phase-I 3-position keyed switch in lobby (RESET-OFF-ON). Key removable in OFF-ON position only.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.2>	2) "FIRE RECALL" letters to be 5 mm (1/8") high in RED or color contrasting with a red background.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.3>	3) Optional secondary 2-position keyed switch (if any) (OFF-ON) {FIRE RECALL shall not restore elevator operation if this switch is ON}	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.4>	4) Keys rotate clockwise from Reset-Off-On; keys removable in ON & OFF positions only.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.5>	5) Only fire recall switches and lobby, M/R or H/W detectors allowed to put elevator(s) on recall.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6>	6) Illuminated signal required with Phase I switches to indicate Phase I activation.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(i)	7) Phase I operation:..... a) Car(s) traveling toward recall level; <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(c)	b) Car(s) traveling away from recall level;	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(e)	c) Car(s) stopped at landings.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(f)	d) Ensure RUN-STOP-OVERRIDE is functional upon car leaving the landing.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(h)	e) Door reopening devices susceptible to smoke or flame shall be disabled.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(j)	f) Must close under reduced speed: max. 3.5J (2.5 ft-lbf kinetic energy)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2.27.3.1.6(l)	g) Ensure all hall and car calls are canceled; hall/car lanterns are disabled.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2.27.3.1.6(m)	8) Visual and Audible signals:..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(n)	a) An illuminated visual and audible signal system shall be activated.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(o)	b) The visual signal shall be one of the symbols shown in Fig. 2.27.3.1.6(h) and located on the car operating panel.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(p)	c) The entire circular or square area of the outline of the hat, or the outline of the area shown on fig. 2.27.3.1.6(h) shall be illuminated.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(q)	d) The visual signal shall remain activated until the car is restored to automatic operation.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(r)	e) When the door is open, the audible signal shall remain active for a minimum of 5 s.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(s)	f) The audible signal shall not be active when the car is at the recall level.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(t)	9) Additional Fire Recall switch:..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(u)	a) Both Fire recall switches must be in the on position to recall elevator to main egress level if called to alternate landing first.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(v)	b) Removing elevator from Phase I Recall:..... <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(w)	c) Primary switch turned to Reset, then Off;	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(x)	d) Second switch is in the Off position; and	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(y)	e) Fire alarm devices are reset.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(z)	10) Means to remove elevators from service cannot interfere with Phase I recall unless specified in code.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
2.27.3.1.6(aa)	11) Load weighing cannot override Fire Recall.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TESTING FIRE SERVICE (CONT)	A17.1 (A17.2)	COMMENTS	CARS 1-6
<p>Fire Service Phase II</p> <p>2.27.7.2 Phase II Sign Shall read: "FIRE OPERATION"</p> <p>"When [fire helmet] flashes, exit elevator"</p> <p>To Operate Car: Insert fire key and turn to "ON"; Press desired floor button</p> <p>To cancel floor selection: Press "CALL CANCEL" button</p> <p><i>To close power operated door:</i> Press and hold "DOOR CLOSE" button</p> <p><i>To open power operated door:</i> Press and hold "DOOR OPEN" button</p> <p><i>To hold car at floor:</i> With doors open, turn key to "HOLD"</p> <p><i>To automatically send car to recall floor:</i> With doors open, turn key to "OFF"</p> <p>Lettering must be a minimum of 3 mm (1/8") high, permanent and protected from removal or defacement.</p> <p>2.26.2.33 Firefighter's Stop Switch. A firefighter's stop switch that conforms to 2.26.2.5(a), (b) and (c) shall be provided where required by 2.27.3.3.1(m).</p>	2.27.3.3	<p>1) 3-position keyed switch: a) Provided with "OFF-HOLD-ON" positions, in that order. b) labeled "FIRE OPERATION"..... i) labeling is to be a min. of 5 mm (1/4") high in RED letters or colors contrasting with a red background. c) key is only removable in "OFF" and "HOLD" positions.</p> <p>2) Made active only at the designated level after Phase-I is activated.</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p>.....</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.3.3.1	<p>a) Power operated doors opened by constant pressure of DO button b) Doors must reach full open in order to remain open otherwise they are to close immediately c) Doors shall close via constant pressure on DC button. If released doors are to reopen if not fully closed. d) Door open and close buttons are to be provided for each entrance to the car. e) Door reopening devices are to be disabled; full speed closing is permitted. f) CALL CANCEL button shall extinguish all registered car calls. g) All floor buttons are to be operative. h) Car must stop at first registered call and extinguish all calls i) Hall buttons to remain inoperative j) Directional lanterns to remain inoperative k) Hall PI's except at designated level and central control center shall remain inoperative. l) Car PI to remain operative m) Every car shall be provided with a switch, conforming to the requirements of 2.26.2.33 and located as required by 2.27.3.37. i) When the switch is in the "STOP" position, all registered calls shall be canceled and power shall be removed from the elevator driving machine motor and brake. ii) When the switch is moved to the "RUN" position from the "STOP" position, the car shall not move, except for leveling, until a call is entered.</p>	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.3.3.2	3) HOLD position activated with doors open; no car operation possible.	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.3.3.3	<p>4) Car at landing with the doors open <u>and</u> Phase II switch OFF:..... a) Car is not at designated level; b) Horizontal & vertical doors shall close automatically if powered; c) Door open buttons shall remain operative; d) Full speed closing is permitted; e) Doors to reopen if switch is turned to HOLD before doors get closed.</p>	<p>.....</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.3.3.4	<p>5) Car is stopped with doors closed <u>and</u> Phase II switch is turned OFF:..... a) Car shall remain on Phase II operation; and b) Return to the designated level.</p>	<p>.....</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.3.3.5	6) Car can only be taken off Phase II when at the designated level.	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.3.4	7) Loss of power test: Ensure that when power is restored elevator reverts to Phase-I or Phase-II.	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
	2.27.8	8) Keys shall be Group 3 Security	<p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

NFPA 13 (2002) Installation of Sprinkler Systems

8.14.5 Elevator Hoistways and Machine Rooms

8.14.5.1 Sidewall spray sprinklers shall be installed at the bottom of each elevator hoistway not more than 0.61 m (2-ft.) above the pit floor.

8.14.5.2 The sprinkler required at the bottom of the elevator hoistway by 8.14.5.1 shall not be required for enclosed, non-combustible elevator shafts that do not contact combustible hydraulic fluids.

8.14.5.3 Automatic sprinklers in elevator machine rooms or at the tops of hoistways shall be of ordinary or intermediate-temperature rating.

8.14.5.4 Upright or pendent spray sprinklers shall be installed at the top of elevator hoistways.

8.14.5.5 The sprinkler required at the top of the elevator hoistway by 8.14.5.4 shall not be required where the hoistway for passenger elevators is noncombustible and the car enclosure materials meet the requirements of ASME A17.1, Safety Code for Elevators and Escalators.

Note: Hoistway wall construction that contains wood framing is considered combustible despite a 1 or 2-hour rating. In addition, hydraulic fluid is considered combustible despite a relatively high ignition temperature.

NFPA 72 (2002) National Fire Alarm Code

6.15.3 Elevator Recall for Fire Fighters' Service

6.15.3.1 System-type smoke detectors or other automatic fire detection as permitted by 6.15.3.7 located in elevator lobbies, elevator hoistways, and elevator machine rooms including machine space, control room, and control space used to initiate fire fighters' service recall shall be connected to the building fire alarm system.

6.15.3.2 In facilities without a building fire alarm system, these smoke detectors or other automatic fire detection as permitted by 6.15.3.7 shall be connected to a dedicated fire alarm system control unit that shall be designated as "elevator recall control and supervisory panel", permanently identified on the control unit and on the record drawings. Unless otherwise required by the authority having jurisdiction, only the elevator lobby, elevator hoistway, and the elevator machine room smoke detectors shall be used to recall elevators for fire fighters' service.

6.15.3.3 Unless otherwise required by the authority having jurisdiction, only the elevator lobby, elevator hoistway and the elevator machine room smoke detectors or other automatic fire detection as permitted by 6.15.3.7 shall be used to recall elevators for fire fighters' service.

6.15.3.4 Each elevator lobby, elevator hoistway, and elevator machine room smoke detectors or other automatic fire detection as permitted by 6.15.3.7 shall be capable of initiating elevator recall when all other devices on the same initiating device circuit have been manually or automatically placed in the alarm condition.

6.15.3.5 A lobby smoke detector shall be located on the ceiling within 6.4 m (21-ft.) of the centerline of each elevator door within the elevator bank under control of the detector.

Exception: For lobby ceiling configurations exceeding 4.6 m (15 ft.) in height or that are other than flat and smooth, detector locations shall be determined in accordance with Chapter 5.

6.15.3.6 Smoke detectors shall not be installed in unsprinklered elevator hoistways unless they are installed to actuate the elevator hoistway smoke relief equipment.

6.15.3.7 If ambient conditions prohibit installation of automatic smoke detection, other automatic fire detection shall be permitted.

6.15.3.8 When actuated, each elevator lobby, elevator hoistway, and elevator machine room smoke detector or other automatic fire detection as permitted by 6.15.3.7 shall initiate an alarm condition on the building fire alarm system and shall visibly indicate, at the control unit and required remote annunciators, the alarm initiation circuit or zone from which the alarm originated.

6.15.3.9 Actuation from elevator hoistway and elevator machine room smoke detectors or other automatic fire detection as permitted by 6.15.3.7 shall send an alarm condition on the building fire alarm system and shall visibly indicate, at the control unit and required annunciators, the alarm initiation circuit or zone from which the alarm originated.

Exception: If approved by the authority having jurisdiction, the elevator hoistway and machine room smoke detectors shall be permitted to initiate a supervisory signal.

6.15.3.10 For each group of elevators with a building, a minimum of three separate elevator control circuits shall be terminated at the designated elevator controller within the group's elevator machine room(s). The operation of the elevators shall be in accordance with Section 2.27 of ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The smoke detectors or other automatic fire detection as permitted by 6.15.3.7 shall actuate the three elevator control circuits as follows:

(1) The smoke detector or other automatic fire detection as permitted by 6.15.3.7 located in the designated elevator recall lobby shall actuate the first elevator control circuit. In addition, if the elevator is equipped with front and rear doors, or the elevator machine room is located at the designated level, the smoke detectors shall actuate the first elevator control

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

circuit. The smoke detectors or other automatic fire detection as permitted by 6.15.3.7 in both lobbies at the designated level shall actuate the first elevator control circuit.

(2) The smoke detectors or other automatic fire detection as permitted by 6.15.3.7 in the remaining elevator lobbies shall actuate the second elevator control circuit.

(3) The smoke detectors or other automatic fire detection as permitted by 6.15.3.7 in the elevator hoistways and the elevator machine room(s) shall actuate the third elevator control circuit.

Comment: The OSEC defines an elevator lobby as the area in front of the elevator where persons normally wait for the elevator. This distance is typically a radius of 1220-1830 mm (4-6 ft.) from the center of the elevator door. This distance may vary depending on site conditions. However, if the detector is in compliance with 6.15.3.5 the installation is acceptable.

6.15.4 Elevator Shutdown

6.15.4.1 Where heat detectors are used to shut down elevator power prior to sprinkler operation, the detector shall have both a lower temperature rating and a higher sensitivity as compared to the sprinkler.

6.15.4.2 If heat detectors are used to shut down elevator power prior to sprinkler operation, they shall be placed within 610 mm (2 ft) of each sprinkler head and be installed in accordance with the requirements of Chapter 5. Alternatively, engineering methods, such as specified in Annex B, shall be permitted to be used to select and place heat detectors to ensure response prior to any sprinkler head operation under a variety of fire growth rate scenarios.

6.15.4.3 If pressure or waterflow switches are used to shut down elevator power immediately upon or prior to the discharge of water from sprinklers, the use of devices with time delay switches or time delay capability shall not be permitted.

6.15.4.4 Control circuits to shut down elevator power shall be monitored for presence of operating voltage. Loss of voltage to the control circuit for the disconnecting means shall cause a supervisory signal to be indicated at the control unit and required remote annunciators.

6.15.4.5 The initiating devices described in 6.15.4.2 and 6.15.4.3 shall be monitored for integrity by the control unit required in 6.15.3.1 and 6.15.3.2.

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TABLE 2.17.3 MAXIMUM AND MINIMUM STOPPING DISTANCES FOR TYPE B CAR SAFETIES WITH RATED LOAD AND TYPE B COUNTERWEIGHT SAFETIES

SI Units				Imperial Units			
Rated Speed, m/s	Maximum Governor Trip Speed, m/s	Stopping Distances, mm		Rated Speed, ft/min	Maximum Governor Trip Speed, ft/min	Stopping Distances, in.	
		Min.	Max.			Min.	Max.
0-0.63	0.90	25	380	0-125	175	1	15
0.75	1.05	50	415	150	210	2	16
0.87	1.25	75	485	175	250	3	19
1.00	1.40	100	540	200	280	4	22
1.12	1.55	125	605	225	308	5	24
1.25	1.70	150	675	250	337	6	27
1.50	2.00	200	840	300	395	8	33
1.75	2.30	250	1 025	350	452	10	40
2.00	2.55	330	1 200	400	510	13	48
2.25	2.90	430	1 480	450	568	17	58
2.50	3.15	505	1 700	500	625	20	68
3.00	3.70	710	2 250	600	740	28	91
3.50	4.30	940	2 950	700	855	38	128
4.00	4.85	1 200	3 680	800	970	49	150
4.50	5.50	1 540	4 660	900	1,085	61	183
5.00	6.00	1 835	5 500	1,000	1,200	75	222
5.50	6.60	2 220	6 600	1,100	1,320	90	268
6.00	7.20	2 640	7 800	1,200	1,440	107	316
6.50	7.80	3 100	9 110	1,300	1,560	126	371
7.00	8.40	3 595	10 530	1,400	1,680	146	427
7.50	9.00	4 125	12 050	1,500	1,800	168	490
8.00	9.60	4 695	13 670	1,600	1,920	191	555
8.50	10.20	5 300	15 400	1,700	2,040	215	628
9.00	10.80	5 940	17 240	1,800	2,160	241	700
9.50	11.40	6 620	19 180	1,900	2,280	269	779
10.00	12.00	7 335	21 220	2,000	2,400	299	862

ELECTRIC PASSENGER & FREIGHT ELEVATORS
ASME A17.1 2004

TABLE 2.13.2 GOVERNOR ADJUSTMENT SETTINGS

Rated Car Speed, ft/min	Car Governor Tripping Speed		Cwt. Governor [Note (1)] Tripping Speed		Car Governor Overspeed Switch Settings, Down Direction		Car Governor Overspeed Switch Settings, Up Direction		Cwt. Governor Overspeed Switch Settings
	Rqmt. 2.18.2.1, Minimum, ft/min	Rqmt. 2.18.2.1, Maximum, ft/min	Rqmt. 2.18.2.2, Minimum, ft/min	Rqmt. 2.18.2.2, Maximum, ft/min	Rqmts. 2.18.4.2.1 and 2.18.4.2.2	Rqmt. 2.18.4.2.3	Rqmt. 2.18.4.2.4	Rqmt. 2.18.4.2.5	
0 to 125	144	175	145	192	Not Required		Not Required	Not Required	
150	173	210	174	231	Required		Required	Required	
175	202	250	203	275					
200	230	280	231	308	Not more than 90% of car governor down tripping setting				
225	259	308	260	338					
250	288	337	289	370					
300	345	395	346	434					
350	403	452	404	497					
400	460	510	461	561					
450	518	568	519	624					
500	575	625	575	687					
600	690	740	691	814					
700	805	855	806	940					
800	920	970	921	1,067					
900	1,035	1,085	1,036	1,193					
1,000	1,150	1,200	1,151	1,320					
1,100	1,265	1,320	1,266	1,452					
1,200	1,380	1,440	1,381	1,584					
1,300	1,495	1,560	1,496	1,716					
1,400	1,610	1,680	1,611	1,848					
1,500	1,725	1,800	1,726	1,980					
1,600	1,840	1,920	1,841	2,112					
1,700	1,955	2,040	1,956	2,244					
1,800	2,070	2,160	2,071	2,376					
1,900	2,185	2,280	2,186	2,508					
2,000	2,300	2,400	2,301	2,640					

NOTE:
(1) The counterweight governor tripping speed must exceed the car governor tripping speed.

ELECTRIC PASSENGER & FREIGHT ELEVATORS ASME A17.1 2004

