



Elevator Safety Program
 PO Box 14470
 Salem, Oregon 97309
 Tel: (503) 373-1298
 Fax: (503) 378-4101

Acceptance Inspection Checklist

Moving Walk Checklist

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.

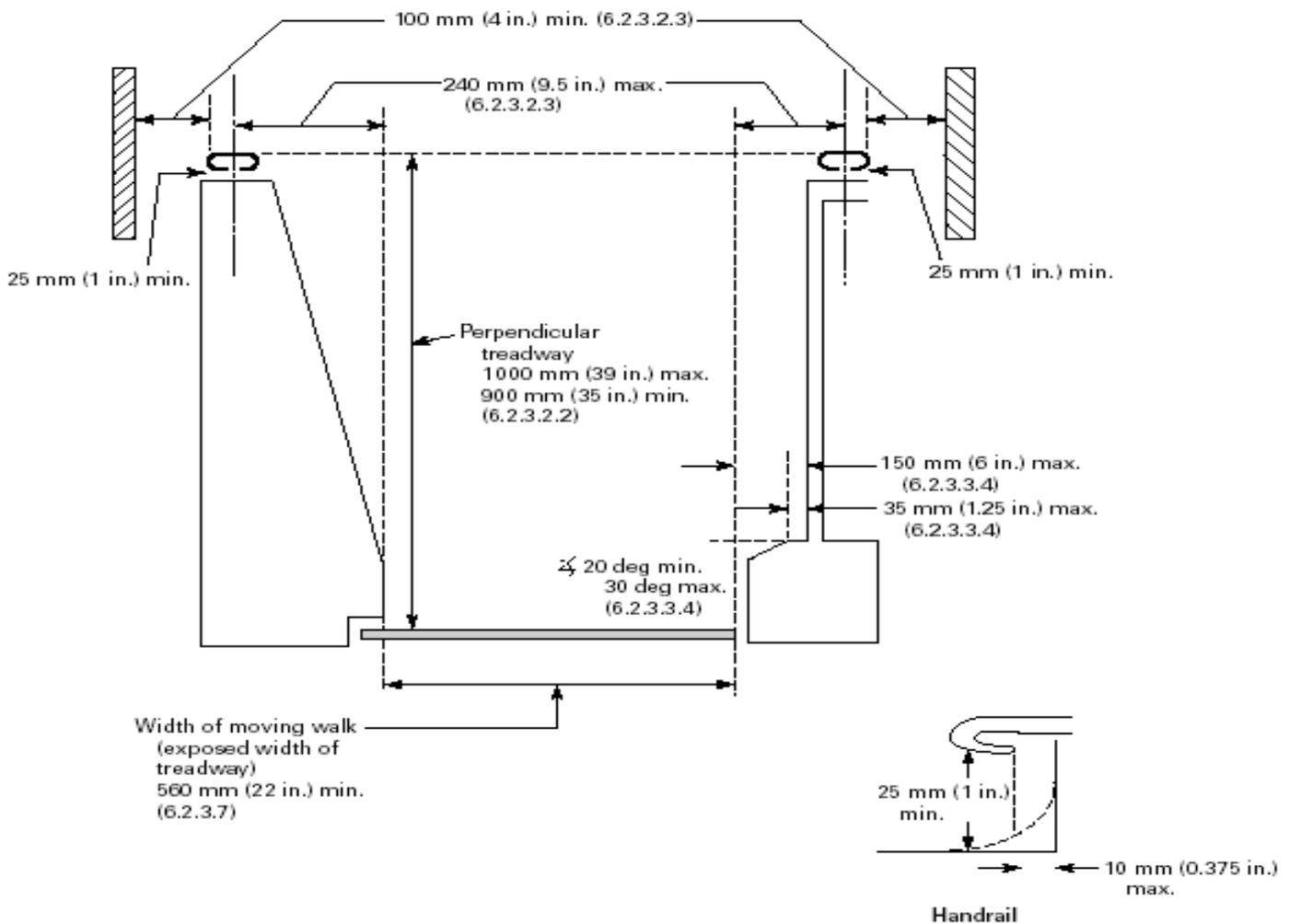
The comments used in this checklist give direction only and are not intended to circumvent actual code language. Please refer to the appropriate standard as necessary to clarify any code issues that may arise during this inspection.

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.

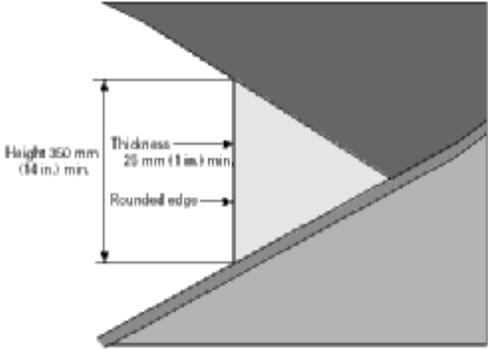
Site Name:			Code Date: ____/____/____
Contractor:			
Elevator ID: MW -_____ (Unit #1)		MW -_____ (Unit #2)	
1 st Inspection Date	2 nd Inspection Date	3 rd Inspection Date	4 th Inspection Date
____/____/____	____/____/____	____/____/____	____/____/____

DESCRIPTION	A17.1	Comments	1	2
EXTERNAL				
General Fire Protection	6.2.1	Ensure fire protection is provided if required by the building code.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Geometry	6.2.3.1	1) The angle of inclination from the horizontal shall not exceed 3 deg within 900 mm (36 in.) of the entrance and egress ends and shall not exceed 12 deg at any point.	<input type="checkbox"/>	<input type="checkbox"/>
	6.2.3.2.1	2) The width of the moving walk shall be the width of the exposed tread (see 6.2.3.7).	<input type="checkbox"/>	<input type="checkbox"/>
	6.2.3.2.2	3) The height of the balustrade shall not be less than 900 mm (35 in.) nor more than 1 000 mm (39 in.) from the treadway to the top of handrail, measured perpendicular to the treadway surface.	<input type="checkbox"/>	<input type="checkbox"/>
	6.2.3.2.3	4) The handrail shall be a minimum of 100 mm (4 in.) horizontally and 25 mm (1 in.) vertically away from adjacent surfaces, except that rounded fillets or beveled sides of the handrail stand are permitted to reduce the 25 mm (1 in.) clearance between the handrail and the point where the handrail stand is connected to the balustrade. The centerline of the handrail shall not be more than 240 mm (9.5 in.), measured horizontally, from the vertical plane through the edge of the exposed treadway (see Appendix I, Fig. I9).	<input type="checkbox"/>	<input type="checkbox"/>



DESCRIPTION	A17.1	Comments	1	2
Geometry (cont.) Interior Low Deck.	6.2.3.3.4	1) The interior low deck, where provided, shall conform to the following a) The width from the vertical face of the interior panel to the vertical plane of the skirt panel shall not exceed 150 mm (6 in.). b) The angle between the surface of the deck and the plane of the noseline of the treadway shall be not less than 20 deg nor more than 30 deg. c) A horizontal section shall be permitted immediately adjacent to the interior panel. It shall be not greater than 35 mm (1.25 in.).	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Balustrades	6.2.3.3.1	1) Construction a) The balustrade on the tread side shall have no areas or moldings depressed or raised more than 6.4 mm (0.25 in.) from the parent surface. i) Such areas or moldings shall have all boundary edges beveled or rounded. b) The balustrade shall be totally closed except:..... i) Where the handrail enters the newel base (see 6.2.3.4.3); and ii) Gaps between interior panels shall not be wider than 5 mm (0.19 in.). iii) The edges shall be rounded or beveled. c) The width between the balustrade interior panels in the direction of travel shall not be changed.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	6.2.3.3.2	2) Strength..... a) Balustrades shall be designed to resist the simultaneous application of a static lateral distributed force of 585 N/m (40 lbf/ft) applied to the side of the handrail and a vertical distributed force of 730 N/m (50 lbf/ft) applied to the top of the handrail.	<input type="checkbox"/> <input type="checkbox"/>	
	6.2.3.3.3	3) Use of Glass or Plastic..... a) Glass or plastic, if used in balustrades, shall conform to the requirements of the following standards, whichever is applicable (see Part 9): i) ANSI Z97.1 or 16 CFR Part 1201; except that there shall be no requirement for the panels to be transparent. Plastic bonded to basic supporting panels is not required to conform to these requirements.N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	6.2.3.3.5	4) Skirtless Balustrade..... a) On moving walks where the balustrade covers the edge of the treadway i) the clearance between the top surface of the treadway and the underside of the balustrade shall not exceed 6 mm (0.25 in.); and ii) the balustrade shall be vertical and smooth for at least 25 mm (1 in.) including the 6 mm (0.25 in.) clearance above the top of the tread.N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Handrails	6.2.3.4.1	1) Type Required a) Each balustrade shall be provided with a handrail moving in the same direction and at substantially the same speed as the treadway. b) The speed of the handrail shall not change when a retarding force of 450 N (100 lbf) is applied to the handrail opposite to the direction of travel.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6.2.3.4.2		2) Extension Beyond Complates..... a) The moving handrail at both the entrance and exit landings shall extend at normal height not less than 300 mm (12 in.) beyond the end of the exposed treadway. b) The point at which the moving handrail enters or leaves an enclosure shall be not more than 250 mm (10 in.) above the floor line.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
6.2.3.4.3		3) Guards..... a) Hand or finger guards shall be provided at points where the handrails enter the balustrade.	<input type="checkbox"/> <input type="checkbox"/>	

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Complate	6.2.3.8.1	1) Complates shall: a) Be meshed with the step slots so points of teeth are always below the tread surface. b) be vertically adjustable c) be readily replaceable comb teeth sections d) not make step contact with 160 kg (350 lbs.) applied to an area 200 mm (8 in.) x 300 mm (12 in.) centered on the plates.	<input type="checkbox"/>	<input type="checkbox"/>																			
	6.2.3.8.2	2) Have a clear visual contrast between step & comb.	<input type="checkbox"/>	<input type="checkbox"/>																			
Deck Barricade	6.2.3.3.8	1) Required where: a) outer deck width exceeds 125 mm (5 in.) b) on two parallel units the aggregate width of the adjoining outer decks exceeds 125 mm (5 in.) c) extend to a height of 100 mm (4 in.) below top of handrail. d) may be constructed of glass or plastic e) must be equipped with tamper-proof fasteners f) dual units: if the common low deck is 400 mm (16 in.) or more, barricades must be evenly spaced up the incline at 4.6 m (15 ft.) as measured on the line parallel to the direction of travel.	<input type="checkbox"/>	<input type="checkbox"/>																			
Speed	6.2.4	TABLE 6.2.4 TREADWAY SPEED	<input type="checkbox"/>	<input type="checkbox"/>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Maximum Treadway Slope at Any Point on Treadway, deg</th> <th colspan="2" style="text-align: center;">Maximum Treadway Speed, m/s (ft/min)</th> </tr> <tr> <th style="text-align: center;">m/s</th> <th style="text-align: center;">ft/min</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0 to 8</td> <td style="text-align: center;">0.9</td> <td style="text-align: center;">180</td> </tr> <tr> <td style="text-align: center;">Above 8 to 12</td> <td style="text-align: center;">0.7</td> <td style="text-align: center;">140</td> </tr> </tbody> </table>			Maximum Treadway Slope at Any Point on Treadway, deg	Maximum Treadway Speed, m/s (ft/min)		m/s	ft/min	0 to 8	0.9	180	Above 8 to 12	0.7	140										
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Pallet-type Treadway	6.2.3.5.5	1) Material a) made of metal (except magnesium) b) be in horizontal alignment c) provide secure footing	<input type="checkbox"/>	<input type="checkbox"/>																			
	6.2.3.5.3	2) Adjacent ends of pallets cannot deviate in elevation more than 1.6 mm (0.06 in.).....	<input type="checkbox"/>	<input type="checkbox"/>																			
	6.2.3.5.2	3) Treads must intermesh continuously.	<input type="checkbox"/>	<input type="checkbox"/>																			
	6.2.3.5.1	4) Slotting of Pallets..... a) maximum 6.5 mm (1/4 in.) width tread slots b) maximum 9.5 mm (3/8 in.) on center c) minimum 9.5 mm (3/8 in.) deep	<input type="checkbox"/>	<input type="checkbox"/>																			

DESCRIPTION	A17.1	Comments	1	2
Belt-Type Treadway	6.2.3.6 6.2.3.6.1 6.2.3.6.2	1) Belt-type treadways shall conform to the following. a) Splices. i) Splicing of the treadway belt shall be made in such a manner as to result in a continuous unbroken treadway surface of the same characteristics as the balance of the belt. b) Slotting of Treadway..... i) The treadway surface shall be slotted in a direction parallel to its travel for purposes of meshing with combplates at the landings. ii) Each slot shall be not more than 6.4 mm (0.25 in.) wide at the treadway surface and not less than 4.8 mm (0.188 in.) deep, and the distance from center to center of adjoining slots shall be not more than 13 mm (0.50 in.). iii) Sides of slots may slope for mold draft purposes and may be filleted at the bottom. iv) Slots shall be so located on each side of the belt to form a cleat adjacent to the skirt panel.	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"/>	
Headroom	6.2.3.15	1) The minimum headroom shall be 2130 mm (84 in.) measured vertically from the treadway surface, landing plates, and landings.	<input type="checkbox"/> <input type="checkbox"/>	
Ceiling Intersection Guard 	6.2.3.3.7	1) High deck balustrades, ceiling guards are required where: a) Clearance between outside edge of deck and the ceiling is 300 mm (12 in.) or less. b) The projected intersection of the outside deck and ceiling is 600 mm (24 in.) or less from the • of the handrail. 2) Low deck balustrades, ceiling guards are required where: a) Where the • of the handrail is less than 350 mm (14 in.) from the ceiling. 3) Guard..... a) Vertical edge shall be a minimum of 350 mm (14 in.) in length b) Inside surface shall be flush with the face of the wellway. c) Leading edge shall be not less than: i) 25 mm (1 in.) wide ii) 12 mm (0.5 in.) radius	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"/>	
Outdoor Protection	6.2.8.1 6.2.8.2 6.2.8.3	1) Weatherproofing. a) moving walk shall be so constructed that exposure to the weather will not interfere with normal operation. 2) Precipitation..... a) A cover, directly over the horizontal projection of the escalator, shall be provided. b) The cover shall extend outward from the centerline of the handrail so that a line extended from the edge of the cover to the centerline of the handrail forms an angle of not less than 15 deg from the vertical. c) The sides may be open. d) When the moving walk is indirectly subject to snow or freezing rain, heaters shall be operated to prevent accumulation and freezing on the steps, landing plates, and skirt deflector devices. e) Drains shall be provided in the lower pit. 3) Slip Resistance..... a) Landing plates and combplates shall be designed to provide a secure foothold when wet.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	

DESCRIPTION	A17.1	Comments	1	2
Inspection Control	6.2.6.2.2	1) Each moving walk shall be equipped with inspection controls not accessible to the general public during normal operation to provide constant pressure operation during maintenance, repair, or inspection by means of a manually operated control device. 2) General Requirements..... a) Switches for transferring the control of the escalator to inspection operation shall be provided or a switch shall be provided at each landing in a portable control station; b) The switch(es) shall function as follows: i) be through a contact that shall be positively opened mechanically and whose opening shall not depend solely on springs; ii) be manually operated; iii) be labeled "INSPECTION"; iv) have two positions, labeled "INSPECTION" or "INSP" and "NORMAL" or "NORM"; v) when in the "INSPECTION" position it shall cause the movement of the moving walk to be solely under the control of constant pressure operating devices at that landing or in that portable control station; vi) be arranged so that if more than one inspection transfer switch is in the "INSPECTION" position, then all constant pressure operating 3) Devices at all locations shall be inoperative;..... a) be protected against accidental contact; and b) the completion or maintenance of an electric circuit shall not be used to initiate inspection control. 4) Constant pressure operating devices shall..... a) allow movement of the moving walk only by constant application of manual pressure; b) be distinctly recognizable from indications on the device as to the direction of travel controlled; c) be protected against accidental contact; and d) be located so that the moving walk pallets are within sight. e) A stop switch conforming to 6.1.6.3.15 shall be provided adjacent to the constant pressure operating devices. f) When portable control stations are used, the cord length shall not exceed 3 000 mm (120 in.) in length. 5) Plug-in portable control station shall be permitted provided that: a) either a transfer switch conforming to 6.1.6.2.2(a)(1) is complied with, or when plugged in, the moving walk shall automatically transfer to inspection operation; b) when the switch, if provided, is in the "INSPECTION" position, or when the control station is plugged in, it shall cause the movement of the moving walk to be solely under the control of constant pressure operating devices contained in the portable unit; and c) The plug-in portable control station is stored at the upper landing machinery space.	<input type="checkbox"/> <input type="checkbox"/> <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"/>	

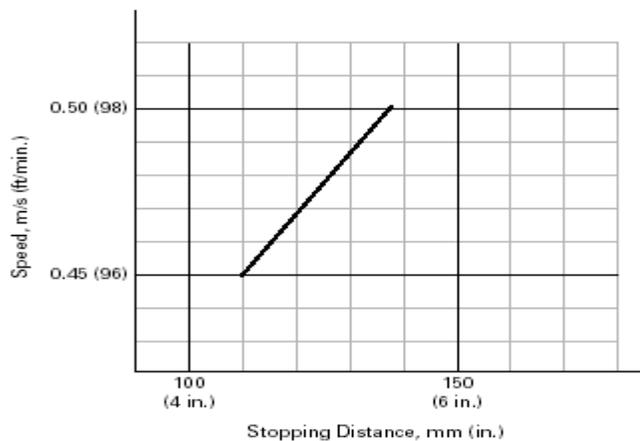
DESCRIPTION	A17.1	Comments	1	2
Broken Treadway Device	6.2.6.3.3	1) A broken treadway device shall be provided that shall cause the electric power to be removed from the driving-machine motor and brake if the connecting means between pallets or the belt breaks. 2) The device shall be of the manual reset type.	<input type="checkbox"/>	<input type="checkbox"/>
Broken Drive Chain Device	6.2.6.3.4	1) When the driving machine is connected to the main drive shaft by a chain: a) a device shall be provided that will cause the application of the brake on the main drive shaft and also cause the electric power to be removed from the driving-machine motor and brake if the drive chain between the machine and the main drive shaft becomes disengaged from the sprockets. b) The device shall of the manual-reset type.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Machinery Space Stop Switch	6.2.6.3.5	1) A stop switch conforming to the following requirements shall be provided in each machinery space and other spaces where means of access to the interior space is provided (see 6.2.7.3), except for the machinery space where the main line disconnect switch is located: a) when opened ("STOP" position), cause the electric power to be removed from the moving walk driving machine motor and brake b) be of the manually opened and closed type c) have red operating handles or buttons d) be conspicuously and permanently marked "STOP," and shall indicate the "STOP" and "RUN" positions e) shall have contacts that are positively opened mechanically and their opening shall not be solely dependent on springs	<input type="checkbox"/>	<input type="checkbox"/>
Escalator Egress Restriction Device	6.2.6.3.6	1) Egress restrictors, <u>if used</u> , that would prevent the free and continuous exiting of passengers, shall provide a signal to a device on the moving walk that shall cause the electric power to be removed from the moving walk driving-machine motor and brake when the exit restrictors begin to close.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Reversal Stop Device (not required if moving walk has a 0° incline)	6.2.6.3.7	1) Means shall be provided to cause the electric power to be removed from the driving-machine motor and brake in case of reversal of travel while the moving walk is operating in the ascending direction. 2) The device shall be of the manual reset type.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Disconnected Motor Safety Device	6.2.6.3.8	1) If the drive motor is attached to a gear reducer by means other than a continuous shaft, mechanical coupling, or toothed gearing: a) a device shall be provided that will cause the electric power to be removed from the driving-machine motor and brake (see 6.2.5.3.1) if the motor becomes disconnected from the gear reducer. b) The device shall be of the manual-reset type.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Pallet Level Device	6.2.6.3.9	1) Moving walks equipped with pallets <u>with trail wheels</u> shall be provided with pallet level devices located at the top and bottom of the moving walk. a) These devices shall detect downward displacement of 3 mm (0.125 in.) or greater at either side of the trailing edge of the pallet. b) When activated, the device shall cause the moving walk to stop before the pallet enters the combplate. c) The device shall cause the power to be removed from the driving-machine motor and brake. d) Devices shall be of the manual-reset type.	<input type="checkbox"/>	N/A <input type="checkbox"/>

DESCRIPTION	A17.1	Comments	1	2
Handrail Entry Device	6.2.6.3.10	1) A handrail entry device shall be provided at each newel. It shall be operative in the newels in which the handrail enters the balustrade. a) It shall be of the manually reset type and shall cause the moving walk to stop by removing power from the driving machine motor and brake. b) It shall operate in either of two ways: i) if an object becomes caught between the handrail and the handrail guard; or ii) if an object approaches the area between the handrail and the handrail guard. 2) For those units that rely on an opening of the balustrade to prevent entrapment, all handrail entry devices shall be operative whenever the handrails are operating.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Comb-Step Impact Device	6.2.6.3.11	1) Devices shall be provided that will cause the opening of the power circuit to the moving walk driving machine motor and brake if either a) a horizontal force not greater than 1780 N (400 lbf) in the direction of travel is applied at either side, or not greater than 3560 N (800 lbf) at the center of the front edge of the combplate; or b) a resultant vertical force not greater than 670 N (150 lbf) in the upward direction is applied at the center of the front of the combplate. c) These devices shall be of the manual-reset type.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Stop Switch in Inspection Controls	6.2.6.3.12	1) A stop switch conforming to the following requirements shall be provided when required by 6.1.6.2.2: a) when opened ("STOP" position), cause the electric power to be removed from the escalator driving-machine motor and brake; b) be of the manually opened and closed type; c) have red operating handles or buttons; d) be conspicuously and permanently marked "STOP," and shall indicate the "STOP" and "RUN" positions; and e) shall have contacts that are positively opened mechanically and their opening shall not be solely dependent on springs.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Handrail Speed Monitoring Device	6.2.6.4	1) A handrail speed monitoring device shall be provided that will cause the activation of the alarm required by 6.1.6.3.1(b) without any intentional delay, whenever the speed of either handrail deviates from the treadway speed by 15% or more. 2) The device shall also cause electric power to be removed from the driving-machine motor and brake when the speed deviation of 15% or more is continuous within a 2 s to 6 s range. 3) The device shall be of the manual-reset type.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Missing Pallet Device	6.2.6.5	1) A device shall be provided to detect a missing pallet and bring the moving walk to a stop, before the gap resulting from the missing pallet emerges from the comb. 2) The device shall cause power to be removed from the driving-machine motor and brake. 3) The device shall be of the manual-reset type.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Tandem Operation	6.2.6.6	1) Tandem-operation moving walks shall be electrically interlocked where traffic flow is such that bunching will occur if the moving walk carrying passengers away from the intermediate landing stops. 2) The electrical interlocks shall stop the moving walk carrying passengers into the common intermediate landing if the moving walk carrying passengers away from the landing stops. 3) These moving walks shall also be electrically interlocked to assure that they run in the same direction.	<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"/>	

DESCRIPTION	A17.1	Comments	1	2
Smoke Detectors	6.2.6.7	1) Smoke detectors shall be permitted that shall activate the alarm required by 6.1.6.3.1(b) and, after at least 15 s, shall cause the interruption of power to the driving-machine motor and brake.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Control & Operating Circuits	6.2.6.9.1	1) Should any single magnetically operated contactor, relay or switch fail to release or ground occur: a) the unit shall not start b) render any safety device ineffective	<input type="checkbox"/>	<input type="checkbox"/>
Static Drive Control	6.2.6.9.3	1) two devices must remove power from the driving motor a) contactor must open upon each stop b) contactor must remove power to brake c) a separate contactor must also be used to open brake circuit d) subject to the electrical protective devices e) moving walk shall not start unless both contactors are in de-energized position.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Electrically Powered Safety Devices	6.2.6.10	1) If the handrail-speed monitoring device required by 6.1.6.4, the missing pallet device, required by 6.1.6.5, or any electrical protective device required by 6.1.6.3, requires electrical power for its functioning, a loss of electrical power to the device shall cause power to be removed from the moving walk driving-machine motor and brake; 2) The occurrence of a single ground or the failure of any single magnetically operated switch, contactor or relay; or any single solid state device; or a software system failure, shall not render the missing pallet device or electrical protective device inoperative; and 3) When a single ground or failure as described in 6.1.6.11(b) occurs the moving walk shall not be permitted to restart.	<input type="checkbox"/>	<input type="checkbox"/>
Completion or Maintenance of Circuit.	6.2.6.12	1) The completion or maintenance of an electric circuit shall not be used to stop the moving walk when the emergency stop switch is opened or when any of the electrical protective devices operate. 2) These requirements do not apply to speed control switches (see 6.1.6.3.2, 6.1.6.3.8, and 6.1.6.4).	<input type="checkbox"/>	<input type="checkbox"/>
Moving Walk Manual Reset	6.2.6.13	1) Where manual reset is required, interruption of power to the moving walk shall not cause a safety device to lose the status of the event upon return of power. 2) The cause of the malfunction shall be indicated in some manner, so that an examination will be made prior to restarting the moving walk. 3) The starting switch shall not be operable until the reset for each activated device is accomplished.	<input type="checkbox"/>	<input type="checkbox"/>
Code Data Plate	8.9	1) Located on mainline disconnect or controller. 2) Indicate code for inspections and tests. 3) State ID tag may be used to supply such information	<input type="checkbox"/>	<input type="checkbox"/>
Machine Rooms (remote)	6.2.7.1.1	1) Remote Machine Rooms a) Minimum 15a duplex receptacle (GFCI) b) Minimum 100 lx (10 fc) illumination c) Light switch located within easy reach of door.	<input type="checkbox"/>	N/A <input type="checkbox"/>
Truss Interior	6.2.7.1.2	1) A duplex GFCI receptacle rated at not less than 15 A, 120 V, accessibly located, shall be provided under the access plates (see 6.1.7.3) at the top and bottom landings and in any machine areas located in the incline.	<input type="checkbox"/>	<input type="checkbox"/>

DESCRIPTION	A17.1	Comments	1	2
Access to Interior	6.2.7.3	1) Reasonable access to the interior of the moving walk shall be provided for inspection and maintenance.	N/A	<input type="checkbox"/>
	6.2.7.3.1	a) Access plates requiring no more than 310 N (70 lbf) effort to open shall be provided at the top and bottom landing for inspection and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>
		b) The plates shall be made of a material that will afford a secure foothold.	<input type="checkbox"/>	<input type="checkbox"/>
		c) The use of stone, terrazzo, or concrete as a fill material is prohibited in panels within the confines of the escalator truss.	<input type="checkbox"/>	<input type="checkbox"/>
	6.2.7.3.2	d) Access plates at the top and bottom landings shall be securely fastened.	<input type="checkbox"/>	<input type="checkbox"/>
	6.2.7.3.3	2) If access doors are provided in the side of the escalator enclosure, they shall be kept closed and locked.	<input type="checkbox"/>	<input type="checkbox"/>
		a) The key shall be removed only when in the locked position.	<input type="checkbox"/>	<input type="checkbox"/>
Controller & Wiring	NFPA 70 Art. 620	1) Disconnecting Means 620-51	<input type="checkbox"/>	<input type="checkbox"/>
		a) 620-51(c)(3); located in space with controller	<input type="checkbox"/>	<input type="checkbox"/>
		b) lockable in open position	<input type="checkbox"/>	<input type="checkbox"/>
		c) fused or circuit breaker	<input type="checkbox"/>	<input type="checkbox"/>
		2) Wiring 620-21(b)	<input type="checkbox"/>	<input type="checkbox"/>
		a) 9.5 mm (3/8 in.) flex allowed in lengths no greater than 6'	<input type="checkbox"/>	<input type="checkbox"/>
		b) 620-11(c); wiring must be flame retardant	<input type="checkbox"/>	<input type="checkbox"/>
		c) 620-84; grounding shall be as required by Art. 250.	<input type="checkbox"/>	<input type="checkbox"/>
		d) Check controller for proper wiring and overcurrent protection.	<input type="checkbox"/>	<input type="checkbox"/>
		e) Electrical conduit , fittings and covers must be as follows:	<input type="checkbox"/>	<input type="checkbox"/>
i) (348-12) Conduit Supports every 3000 mm (120 in.) & within 1000 (39 in.) of boxes.	<input type="checkbox"/>	<input type="checkbox"/>		
ii) (370-18) Plug Open "knockouts"	<input type="checkbox"/>	<input type="checkbox"/>		
iii) (370-25) Outlet box covers must be provided.	<input type="checkbox"/>	<input type="checkbox"/>		
iv) (370-28c) J-box covers required.	<input type="checkbox"/>	<input type="checkbox"/>		
Main Drive Shaft Brake	6.2.5.3.2	1) If the moving walk driving-machine brake is separated from the main drive shaft by a chain used to connect the driving machine to the main drive shaft, a mechanically or magnetically applied brake capable of stopping a down-running moving walk with brake rated load (see 6.1.3.9.3) shall be provided on the main drive shaft.	N/A	<input type="checkbox"/>
		a) If the brake is magnetically applied, a ceramic permanent magnet shall be used.	<input type="checkbox"/>	<input type="checkbox"/>
	6.2.5.3.3	b) Moving walk driving machine brakes shall be certified to the requirements of 8.3.1 and 8.3.6.	<input type="checkbox"/>	<input type="checkbox"/>

DESCRIPTION	A17.1	Comments	1	2
Moving Walk Driving-Machine Brakes	6.2.5.3.1	1) Each moving walk driving machine shall be provided with an electrically released and mechanically or magnetically applied brake. a) If the brake is magnetically applied, a ceramic permanent magnet shall be used. b) There shall be no intentional time delay designed into the application of the brake. 2) The brake shall be applied automatically if the electrical power supply is interrupted. a) The brake shall be capable of stopping the down or horizontal-running moving walk with any load up to the brake rated load [see 6.2.3.10.3(a)(2) or (b)(2)]. b) The brake shall hold the stopped moving walk with any load up to the brake rated load [see 6.2.3.10.3(a)(1) or (b)(1)]. 3) Driving-machine brakes shall stop the down or horizontal-running moving walk treadway at an average rate no greater than 0.91 m/s ² (3 ft/s ²) as measured over the total retardation time. a) No peak horizontal retardation value exceeding 0.91 m/s ² (3 ft/s ²) shall have a time duration greater than 0.125 s (see Appendix I, Fig. I11). 4) The moving walk brake shall be provided with a data plate that is readily visible, located on or adjacent to the machine brake, and that indicates the range of brake torques in N-m (ftlb) that complies with 6.2.5.3.1; 5) The method of measuring the torque, designated "BREAKAWAY" or "DYNAMIC," based on the method used when measuring the torque; shaft, mechanical coupling, or toothed gearing is used to connect the motor to a gear reducer, the moving walk driving-machine brake shall be located on the gear reducer, main drive shaft, or a specially attached braking surface attached directly to the treadway.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	



GENERAL NOTE: The above represents the stopping distance of an escalator under a constant deceleration of 0.91 m/s² (3 ft/s²) and does not represent the total stopping distance of the escalator when it is stopped under no load.

FIG. I11 STOPPING DISTANCES CORRESPONDING TO A DECELERATION RATE OF 0.91 m/s² [6.1.5.3.1(c)]

8.6.10.5 Escalator or Moving Walk Startup.

<input type="checkbox"/>	Authorized personnel shall check the escalator or moving walk prior to permitting use. All authorized personnel who are assigned to start this equipment shall be given a copy and be provided with training to ensure that they understand and comply with the following procedures.
<input type="checkbox"/>	(a) Prior to starting the unit, observe the steps or pallets and both landing areas to ensure no persons are on the unit or about to board. Run the unit away from the landing.
<input type="checkbox"/>	(b) Verify correct operation of the starting switch.
<input type="checkbox"/>	(c) Verify correct operation of the stop buttons and alarm, if furnished.
<input type="checkbox"/>	(d) Visually examine the steps or treadway for damaged or missing components; combplates for broken or missing teeth; skirt panels and balustrades for damage.
<input type="checkbox"/>	(e) Verify that both handrails travel at substantially the same speed as the steps or the treadway, are free from damage or pinch points, and that entry guards are in place.
<input type="checkbox"/>	(f) Visually verify that all steps, pallets, or the treadway is properly positioned.
<input type="checkbox"/>	(g) Verify that ceiling intersection guards, anti-slide devices, deck barricades, and caution signs are securely in place.
<input type="checkbox"/>	(h) Verify that demarcation lighting is illuminated, if furnished.
<input type="checkbox"/>	(i) Check for uniform lighting on steps/tread not contrasting with surrounding areas.
<input type="checkbox"/>	(j) Verify that the safety zone is clear of obstacles and that the landing area and adjacent floor area are free from foreign matter and slipping or tripping hazards.
<input type="checkbox"/>	(k) Check for any unusual noise or vibration during operation. If any of these conditions is unsatisfactory, the unit shall be placed out of service. Barricade the landing areas and notify the responsible party of the problem. Equipment subject to 24-h operation shall be checked daily by authorized personnel.