



ASME A17.1-2019 / CSA B44:19

Table N-1 Recommended Inspection and Test Intervals in “Months”

Equipment Type	Periodic Inspections		Category 1		Periodic Tests		Category 5	
	Requirement	Interval	Requirement	Interval	Requirement	Interval	Requirement	Interval
Electric elevators	8.11.2.1	6	8.6.4.19	12	N/A	N/A	8.6.4.20	60
Hydraulic elevators	8.11.3.1	6	8.6.5.14	12	8.6.5.15	36	8.6.5.16	60
Escalators and moving walks	8.11.4.1	6	8.6.8.15	12	N/A	N/A	N/A	N/A
Sidewalk elevators	8.6.5.1	6	8.6.7.5.1	12	8.6.7.5.1	36	8.6.7.5.1	60
Private residence elevators	8.11.5.2	12	8.6.7.3.1, 8.6.7.4.1	12	8.6.7.3.1, 8.6.7.4.1	36	8.6.7.3.1, 8.6.7.4.1	60
Hand elevators	8.11.5.3	6	8.6.6.3.1	12	8.6.6.3.1	N/A	8.6.6.3.1	60
Dumbwaiters	8.11.5.4	12	8.6.10.1.1	12	8.6.10.1.1	36	8.6.10.1.1	60
Material lifts and dumbwaiters with automatic transfer devices	8.11.5.5	12	8.6.10.2.1	12	8.6.10.2.1	36	8.6.10.2.1	60
Special purpose personnel elevators	8.11.5.6	6	8.6.7.7.1	12	8.6.7.7.1	36	8.6.7.7.1	60
Inclined elevators	8.11.5.7	6	8.6.7.1.1	12	8.6.7.1.1	36	8.6.7.1.1	60
Marine elevators	8.11.5.8	6	8.6.7.8.1	12	8.6.7.8.1	36	8.6.7.8.1	60
Screw-column elevators	8.11.5.9	6	8.6.6.2.1	12	8.6.6.2.1	36	8.6.6.2.1	60
Rooftop elevators	8.11.5.10	6	8.6.7.6.1	12	8.6.7.6.1	36	8.6.7.6.1	60
Rack-and-pinion elevators	8.11.5.11	6	8.6.6.1.1	12	N/A	N/A	8.6.6.1.1	60
Limited-use/limited-application elevators	8.11.5.12	6	8.6.7.2.1	12	8.6.7.2.1	36	8.6.7.2.1	60
Elevators used for construction	8.11.5.13	3	8.6.7.10.1	12	8.6.7.10.2	36	8.6.7.10.3	60
Mine elevators	8.11.2.1	2	8.6.4.19	2	N/A	N/A	8.6.4.20	60
Wind turbine elevators	8.11.5.14	12	8.6.7.11	12	N/A	N/A	N/A	N/A

GENERAL NOTE: Factors such as the environment, frequency of usage and type of usage, quality of maintenance, age and condition, and remote monitoring (see [Table N-2](#)) that are related to the equipment should be taken into account by the authority having jurisdiction prior to establishing the inspection and test intervals. It is recommended that a risk analysis, using the methodology of ISO 14798, be used to establish the intervals of inspections and tests for components and systems of the equipment. Where a risk analysis is not performed, the intervals specified in [Table N-1](#) are recommended for periodic tests (see [Section 8.6](#)) and periodic inspections (see [Section 8.11](#)).



Traction Elevator Test

North Dakota State Electrical Board Elevator Section 1929 N Washington ST Suite A-1 Bismarck, ND 58507-7335 Phone: 701-328-9522 Email: electric@nd.gov			Certification #		Submitted Date		Elevator Contractor				
			Building Name				Building Contact				
			Address						City		
TEST TYPE		ACCEPTANCE ☐		5 YEAR (CAT 5) ☐		ANNUAL (CAT1) ☐					
Capacity				Number of floors				Manufacturer			
Speed				Number of openings				Code year			
Elevator Use				Elevator number							
Frequency		Description				Result			ASME Code		
A	5	1					P	F	NA	CAT 1	CAT 5
X		X	Oil Buffers				☐	☐	☐	8.6.4.19.1	
X		X	Safeties				☐	☐	☐	8.6.4.19.2	
X		X	Governors: operate manually – visual inspection verify parts operate freely				☐	☐	☐	8.6.4.19.3	
X		X	Slack Rope Devices on Winding Drum				☐	☐	☐	8.6.4.19.4	
X		X	Normal & Final terminal stopping devices: Examine and test for operation.				☐	☐	☐	8.6.4.19.5	
X		X	Firefighters' Emergency Operation:				☐	☐	☐	8.6.4.19.6	
X		X	Standby EP operation (no load) - Verify selective operation for each car.				☐	☐	☐	8.6.4.19.7	
X		X	Door code zone speed\ Door Closing force				☐	☐	☐	8.6.4.19.8	
X		X	Broken Rope, Tape or Chain Switch operation				☐	☐	☐	8.6.4.19.9	
X		X	EPD and SIL rated device testing procedure performed				☐	☐	☐	8.6.4.19.10	
X		X	Ascending car and unintended car movement protection				☐	☐	☐	8.6.4.19.11	
X		X	Traction loss Detection Means				☐	☐	☐	8.6.4.19.12	
X		X	Broken Rope and Residual strength detection				☐	☐	☐	8.6.4.19.13	
X		X	Occupant Evacuation				☐	☐	☐	8.6.4.19.14	
X		X	Emergency Communications				☐	☐	☐	8.6.4.19.15	
X		X	Door Restrictor				☐	☐	☐	8.6.4.19.16	
X	X		Car Slide		Counterweight Slide		☐	☐	☐		8.6.4.20.1
X	X		Gov. Trip Speed		Gov. Pull Through force		☐	☐	☐		8.6.4.20.2
X	X		Oil Buffer Tests: Car- full load; Counterweight- empty car				☐	☐	☐		8.6.4.20.3
X	X		Brake Tested at- 125% Capacity				☐	☐	☐		8.6.4.20.4
X			Reserved for Future				☐	☐	☐		8.6.4.20.5
X	X		ETSLD and ETSD test				☐	☐	☐		8.6.4.20.6
X	X		Power opening of the Door within the landing zone				☐	☐	☐		8.6.4.20.7
X	X		Leveling Zone and Speed				☐	☐	☐		8.6.4.20.8
X	X		Inner landing zone for static control elevators				☐	☐	☐		8.6.4.20.9
X	X		Emergency Stopping Distance				☐	☐	☐		8.6.4.20.10
X	X		Emergency Brake Test				☐	☐	☐		8.6.4.20.11
Complete the form and email a copy annually to electric@nd.gov Any results identified as "Failed" shall be addressed immediately with the owner. Licensed elevator mechanics or contractors shall not leave any elevator in service if an unsafe condition exists because of these or any other tests.											
Licensed Constructor Name (Print)			License #		SIGNATURE				Date:		
Acceptance tests Signed by Inspector					SIGNATURE				Date:		



Hydraulic Elevator Test

North Dakota State Electrical Board Elevator Section 1929 N Washington ST Suite A-1 Bismark, ND 58507-7335 Phone: 701-328-9522 Email: electric@nd.gov	Certification #	Submitted Date	Elevator Contractor	
	Building Name		Building Contact	
	Address			City

TEST TYPE			ACCEPTANCE ☐		5 YEAR (CAT 5) ☐		ANNUAL (CAT1) ☐			
Capacity			Number of floors		Manufacturer					
Speed			Number of openings		Code year					
Elevator Use			Elevator number		Calculated F.L					
Piston Diam.					Area					
Frequency			Description			Result			ASME Code	
A	5	1				P	F	NA	CAT 1	CAT 5
X		X	No Load pressure			☐	☐	☐	8.6.5.14.1	
X		X	Full Load Pressure (See Calculated above for CAT1)			☐	☐	☐	8.6.5.14.1	
X		X	Relief Valve Setting			☐	☐	☐	8.6.5.14.1	
X		X	System Leak Test / movement in 15 minutes			☐	☐	☐	8.6.5.14.2	
X		X	Normal & Final terminal stopping devices: Examine and test for operation.			☐	☐	☐	8.6.5.14.3	
X		X	Governor - operate manually & visual inspection verify parts operate freely			☐	☐	☐	8.6.5.14.3	
X		X	Safeties			☐	☐	☐	8.6.5.14.3	
X		X	Oil Buffer			☐	☐	☐	8.6.5.14.3	
X		X	Firefighters' Emergency Operation			☐	☐	☐	8.6.5.14.3	
X		X	Standby EP operation – annual; Battery Lowering			☐	☐	☐	8.6.5.14.3	
X		X	ETSLD and ETSD test			☐	☐	☐	8.6.5.14.3	
X		X	Low Oil Protection timer			☐	☐	☐	8.6.5.14.3	
X		X	Flexible Hose & Fitting Assemblies (test at relief valve setting for 30 sec.)			☐	☐	☐	8.6.5.14.4	
X		X	Pressure switch			☐	☐	☐	8.6.5.14.5	
X		X	Door Close Speed (time)		Door Close force	☐	☐	☐	8.6.5.14.6	
X		X	EPD and SIL rated device testing procedure performed			☐	☐	☐	8.6.4.19.10	
X		X	Emergency communications			☐	☐	☐	8.6.4.19.15	
X		X	Door Restrictor			☐	☐	☐	8.6.4.19.16	
X	X		Car Slide	Counterweight Slide		☐	☐	☐		8.6.5.16.1
X	X		Gov. Trip Speed	Gov. Pull Through force	Safety Pull out force	☐	☐	☐		8.6.5.16.1
X	X		Oil Buffer Tests: Car- full load; Counterweight- empty car			☐	☐	☐		8.6.5.16.1
X	X		Coated rope inspection			☐	☐	☐		8.6.5.16.2
X	X		Wire rope fastening inspection (Roped Hydro)			☐	☐	☐		8.6.5.16.3
X	X		Plunger gripper; examine and test			☐	☐	☐		8.6.5.16.4
X	X		Overspeed valve			☐	☐	☐		8.6.5.16.5
X	X		C2 Loading – Sustain and level car with maximum load shown on signage			☐	☐	☐		8.6.5.16.6

Complete the form and email a copy annually to electric@nd.gov

Any results identified as "Failed" shall be addressed immediately with the owner.

Licensed elevator mechanics or contractors shall not leave any elevator in service if an unsafe condition exists because of these or any other tests.

Licensed Constructor Name (Print)	License #	SIGNATURE	Date:
Acceptance tests Signed by Inspector		SIGNATURE	Date:



Escalator and Moving Walk Test

North Dakota State Electrical Board Elevator Section 1929 N Washington ST Suite A-1 St Bismarck, ND 58507-7335 Phone: 701-328-9522 Email: electric@nd.gov		Certification #	Submitted Date		Elevator Contractor		
		Building Name			Building Contact		
		Address				City	
TEST TYPE		ACCEPTANCE ☐		ANNUAL (CAT1) ☐			
Install Year		Manufacturer		Unit Number			
Code Year		Speed		Escalator or Walk			
Accept	CAT1	DESCRIPTION			RESULT		ASME A17.1 Code
X	X	Machine Room and Truss Interior – Clean and Lights Working			☐ P ☐ F ☐ N/A		8.6.8.15.1
X	X	Machine Space Stop Switches			☐ P ☐ F ☐ N/A		8.6.8.15.2
X	X	Controller and Wiring Examination			☐ P ☐ F ☐ N/A		8.6.8.15.3
X	X	Drive Machine and Brake Exam and Test. Includes Brake Torque Test			☐ P ☐ F ☐ N/A		8.6.8.15.4
		Torque Max		Torque Min			
		Breakaway		Dynamic			
X	X	Speed Governor & Speed Test			☐ P ☐ F ☐ N/A		8.6.8.15.5
X	X	Broken Drive Chain Device			☐ P ☐ F ☐ N/A		8.6.8.15.6
X	X	Reversal stop switch Device			☐ P ☐ F ☐ N/A		8.6.8.15.7
X	X	Broken Step Chain or Treadway Device:			☐ P ☐ F ☐ N/A		8.6.8.15.8
X	X	Step Up Thrust Device			☐ P ☐ F ☐ N/A		8.6.8.15.9
X	X	Missing Step or Missing Pallet Device:			☐ P ☐ F ☐ N/A		8.6.8.15.10
X	X	Step or Pallet Level Device:			☐ P ☐ F ☐ N/A		8.6.8.15.11
X	X	Examine Steps. Pallets. Chains and Trusses. Chain Stretch			☐ P ☐ F ☐ N/A		8.6.8.15.12
X	X	Test Handrail Safety Systems: (entry; speed monitoring devices)			☐ P ☐ F ☐ N/A		8.6.8.15.13
X	X	Examine and Test Outdoor Heater Operation.(Outdoor ESC and MW Only)			☐ P ☐ F ☐ N/A		8.6.8.15.14
X	X	Escalator Chain Stretch (Clearance between steps 6mm (.25 inch) or less)			☐ P ☐ F ☐ N/A		8.6.8.15.15
X	X	Disconnected Motor Safety Device			☐ P ☐ F ☐ N/A		8.6.8.15.16
X	X	Response to Smoke Detectors			☐ P ☐ F ☐ N/A		8.6.8.15.17
X	X	Comb Impact Device			☐ P ☐ F ☐ N/A		8.6.8.15.18
		Top LH Force Hor.		Top CTR. Force Hor.		Vert.	
		Bot. LH Force Hor.		Bot. CTR. Force Hor.		Vert.	
X	X	Step/Skirt Indexing and loaded Gap – Escalators only			☐ P ☐ F ☐ N/A		8.6.8.15.19
		Left Step One Index		Right Step One Index		≤0.15 without Deflector ≤0.4 with Deflector	
		Left Step Two Index		Right Step Two Index			
X	X	Loaded Gap – Escalators installed under the A17.1-2000 or later editions			☐ P ☐ F ☐ N/A		8.6.8.15.20
		Loaded Gap Left		Loaded Gap Right			
X	X	Gap between Step and Skirt (not loaded) ≤ .1875 in (4.8mm)			☐ P ☐ F ☐ N/A		8.6.8.2
X	X	Inspection Control Devices			☐ P ☐ F ☐ N/A		8.6.8.15.21
X	X	Step Lateral Device (Curved Escalators Only)			☐ P ☐ F ☐ N/A		8.6.8.15.22
X		Tandem Operation			☐ P ☐ F ☐ N/A		8.10.4.1.1(j)(4)
X		Skirt Obstruction Devices			☐ P ☐ F ☐ N/A		8.10.4.1.2(t)
X		Egress Restriction Devices – Varied speed escalators and moving walks			☐ P ☐ F ☐ N/A		8.10.4.1.1(l)
Complete the form and email a copy annually to electric@nd.gov Any results identified as “Failed” shall be addressed immediately with the owner. Licensed elevator constructors or contractors shall not leave any elevator in service if an unsafe condition exists because of these or any other tests.							
Licensed Constructor Name (Print)		License #		SIGNATURE		Date:	
Acceptance tests Signed by Inspector				SIGNATURE		Date:	



Platform Lift Safety Test Report

Name:		Manufacturer:		Certification Number:	
Address:		Install Date:		Building Contact:	
City:	Zip Code:	Capacity (lbs):	Stops:	Job/:	
Test Date:	Inspector Present? ☐ Yes ☐ No If Yes, inspector signs report			Rated Speed (fpm):	
Type of test: ☐ Acceptance ☐ Witnessed ☐ Periodic Test ☐ 1 Year Test ☐ 5 Year Test ☐ *Note: All Periodic tests and Inspections requirements shall include, where applicable to: ASME 18.1 2023. 10.1.6 (a) through (d) or the code at the time of installation.					
Type of Lift: ☐ Vertical Platform Lift ☐ Inclined Platform Lift ☐ Other:		Short-Circuit Current Field Marking ☐ Yes ☐ No NFPA 70 620.51(D)(2) (*Acceptance only)			
Driving Means: ☐ Winding Drum ☐ Traction ☐ Roped sprocket ☐ Chained sprocket ☐ Screw ☐ Rack and pinion ☐ Direct plunger hydraulic ☐ Roped hydraulic ☐ Level hydraulic ☐ Friction ☐ Other:					
Type of Safeties: ☐ Type A ☐ Type B ☐ Type C ☐ Drum ☐ Other:					
Regardless of the installation date of the platform lift, the items below must be tested and meet the requirements of ASME A18.1 and current State Regulations.				A18.1 Section	Test Result
Hydraulic cylinders –Cylinders not exposed; static test 15 min. Verify if platform position changed				10.2.1	☐ Pass ☐ Fail ☐ N/A
Safeties – Type A and B safeties are tested with rated load. (Acceptance and Witnessed)				10.3.1.1	☐ Pass ☐ Fail ☐ N/A
Governors				10.3.1.2	☐ Pass ☐ Fail ☐ N/A
Normal and final terminal stopping devices				10.2.5	☐ Pass ☐ Fail ☐ N/A
Flexible hose, Steel Piping and fittings (shall meet requirements of 8.1.7.2.)				10.2.1.1	☐ Pass ☐ Fail ☐ N/A
Broken rope, tape, or chain switch (the switch that senses failure of the connection)				10.2.6	☐ Pass ☐ Fail ☐ N/A
Slack-rope devices on winding drum and roped-hydraulic machines				10.2.4/10.2.7	☐ Pass ☐ Fail ☐ N/A
Braking System – Test with 125% of rated load (capacity) (Acceptance and Witnessed)				10.1.6(b)(4)	☐ Pass ☐ Fail ☐ N/A
Stopping Devices (normal/terminal) – Test 125% rated load for bottom and no load for top.				10.3.4	☐ Pass ☐ Fail ☐ N/A
Ropes and Fastenings Building				10.3.3.4	☐ Pass ☐ Fail ☐ N/A
Rated speed in up direction and down direction				10.3.7	☐ Pass ☐ Fail ☐ N/A
Manual operation (required on all lifts, unless standby(emergency) power is provided)				2.10.10	☐ Pass ☐ Fail ☐ N/A
Door interlocks/gate switches(Shall meet requirements of sections 2 through 4)				10.1.6(d)	☐ Pass ☐ Fail ☐ N/A
Emergency stop switch (2.10.6 for Vertical platform lifts and 3.10.6 for inclined platform lifts)				10.1.6(a)(1)	☐ Pass ☐ Fail ☐ N/A
Emergency signals (2.11 for vertical platform lifts and 3.11 for Inclined platform lifts)				10.1.6(a)(5)	☐ Pass ☐ Fail ☐ N/A
Emergency Power				2.12	☐ Pass ☐ Fail ☐ N/A
Battery Lowering: (*required if emergency power is not provided, as of 2005)				2.12.1	☐ Pass ☐ Fail ☐ N/A
Signage with MCP location ☐ Yes ☐ No		MCP logs updated: ☐ Yes ☐ No		Test tags Installed: ☐ Yes ☐ No	
All Test Requirements ☐ Pass* ☐ Fail *Pass may be checked only if all items on this test form meet adopted code requirements.					
By signing below I certify all statements are true to the best of my knowledge and that all testing was performed according to current adopted codes. Email signed form to North Dakota State Electrical Board: electric@nd.gov					
Mechanic name:		Contractor name:			
Mechanic signature:	Date:	State license #:		License Exp:	
Inspector name:					
Inspector signature:	Date:	Certification #:		License Exp:	