

ASME A17.2-2020
(Revision of ASME A17.2-2017)

Guide for Inspection of Elevators, Escalators, and Moving Walks

**Includes Inspection Procedures
for Electric Traction and Winding
Drum Elevators, Hydraulic
Elevators, Inclined Elevators,
Limited-Use/Limited-Application
Elevators, Private Residence
Elevators, Escalators, Moving
Walks, and Dumbwaiters**

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CONTENTS

	Foreword	xi
	Committee Roster	xii
	Preface	xxiii
	Summary of Changes	xxvii
	Introduction	1
1	Scope	1
2	Application	1
3	Qualifications of Inspectors	2
4	Personal Safety	2
5	Duties of Inspectors	2
6	Arrangement for Inspection	2
7	Recommended Equipment	2
8	Reference Documents	3
Part 1	Elevator — Inside of Car	4
Item 1.1	Door Reopening Device	4
Item 1.2	Stop Switches	5
Item 1.3	Operating Control Devices	5
Item 1.4	Sills and Car Floor	6
Item 1.5	Car Lighting and Receptacles	7
Item 1.6	Car Emergency Signal and Communication Device(s)	8
Item 1.7	Car Door or Gate	9
Item 1.8	Door Closing Force	10
Item 1.9	Power Closing of Doors or Gates	11
Item 1.10	Power Opening of Doors or Gates	11
Item 1.11	Car Vision Panels and Glass Car Doors	13
Item 1.12	Car Enclosure	14
Item 1.13	Emergency Exit	15
Item 1.14	Ventilation	16
Item 1.15	Signs and Operating Device Symbols	16
Item 1.16	Rated Load, Platform Area, and Data Plate	16
Item 1.17	Standby Power Operation	17
Item 1.18	Restricted Opening of Car or Hoistway Doors	18
Item 1.19	Car Ride	19
Item 1.20	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	20
Part 2	Elevator — Machine Room	21
Item 2.1	Access to Machinery Space	21
Item 2.2	Headroom	21
Item 2.3	Lighting and Receptacles	22

Item 2.4	Machinery Space	23
Item 2.5	Housekeeping	23
Item 2.6	Ventilation	24
Item 2.7	Fire Extinguisher	24
Item 2.8	Pipes, Wiring, and Ducts	25
Item 2.9	Guarding of Exposed Auxiliary Equipment	25
Item 2.10	Numbering of Elevators, Machines, Controllers, and Disconnect Switches	26
Item 2.11	Disconnecting Means and Control	26
Item 2.12	Controller Wiring, Fuses, Grounding, Etc.	28
Item 2.13	Governor, Overspeed Switch, and Seal	29
Item 2.14	Code Data Plate	34
Item 2.15	Static Control	35
Item 2.16	Overhead Beam and Fastenings	35
Item 2.17	Drive Machine Brake	35
Item 2.18	Traction-Drive Machines	37
Item 2.19	Gears, Bearings, and Flexible Couplings	37
Item 2.20	Winding Drum Machine and Slack Rope Device, Stop-Motion Switch, and Rope Fastening	38
Item 2.21	Belt- or Chain-Drive Machine	39
Item 2.22	Motor Generator	40
Item 2.23	Absorption of Regenerated Power	40
Item 2.24	AC Drives From a DC Source	40
Item 2.25	Traction Sheaves	41
Item 2.26	Secondary and Deflector Sheaves	42
Item 2.27	Rope Fastenings	42
Item 2.28	Terminal Stopping Devices	42
Item 2.29	Car and Counterweight Safeties	44
Item 2.30	Hydraulic Power Unit	49
Item 2.31	Relief Valves	50
Item 2.32	Control Valve	51
Item 2.33	Tanks	51
Item 2.34	Flexible Hydraulic Hose and Fitting Assemblies	52
Item 2.35	Supply Line and Shutoff Valve	53
Item 2.36	Hydraulic Cylinders	53
Item 2.37	Pressure Switch	54
Item 2.38	Rope- and Water-Hydraulic Elevators	54
Item 2.39	Low Oil Protection	54
Item 2.40	Maintenance Records	55
Item 2.41	Hydraulic Control	55
Item 2.42	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	55
Item 2.43	Emergency Brake, Ascending Car Overspeed, and Unintended Car Movement Protection	57
Item 2.44	Auxiliary Power Lowering Operation	59
Item 2.45	Inspection Operation With Open Door Circuits and Inspection Operation Hierarchy	59
Part 3	Elevator — Top of Car	60
Item 3.1	Top-of-Car Stop Switch	60
Item 3.2	Car Top Light and Outlet	60

Item 3.3	Top-of-Car Operating Device	61
Item 3.4	Top-of-Car Clearance, Refuge Space, and Standard Railing	61
Item 3.5	Normal Terminal Stopping Devices	64
Item 3.6	Final and Emergency Terminal Stopping Devices	64
Item 3.7	Car Leveling and Anticreep Devices	65
Item 3.8	Top Emergency Exit	66
Item 3.9	Floor and Emergency Identification Numbering	66
Item 3.10	Hoistway Construction	67
Item 3.11	Hoistway Smoke Control	67
Item 3.12	Pipes, Wiring, and Ducts	68
Item 3.13	Windows, Projections, Recesses, and Setbacks	69
Item 3.14	Hoistway Clearances	69
Item 3.15	Multiple Hoistways	70
Item 3.16	Traveling Cables and Junction Boxes	70
Item 3.17	Door and Gate Equipment	72
Item 3.18	Car Frame and Stiles	73
Item 3.19	Guide Rails, Fastenings, and Equipment	74
Item 3.20	Governor Rope	75
Item 3.21	Governor Releasing Carrier	75
Item 3.22	Wire Rope Fastening and Hitch Plate	76
Item 3.23	Suspension Compensation and Governor Systems	78
Item 3.24	Top Counterweight Clearance	82
Item 3.25	Car, Overhead, and Deflector Sheaves	83
Item 3.26	Broken Rope, Chain, or Tape Switch	83
Item 3.27	Crosshead Data Plate and Rope Data Tags	84
Item 3.28	Counterweight and Counterweight Buffer	84
Item 3.29	Counterweight Safeties	85
Item 3.30	Speed Test	85
Item 3.31	Slack Rope Device — Roped Hydraulic Elevators Installed Under A17.1b-1989 and Later Editions	86
Item 3.32	Traveling Sheave — Roped Hydraulic Elevators Installed Under A17.1b-1989 and Later Editions	86
Item 3.33	Compensating Ropes and Chains	87
Item 3.34	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	87
Part 4	Elevator — Outside Hoistway	89
Item 4.1	Car Platform Guard	89
Item 4.2	Hoistway Doors	89
Item 4.3	Vision Panels	91
Item 4.4	Hoistway Door-Locking Devices	91
Item 4.5	Access to Hoistway	92
Item 4.6	Power Closing of Hoistway Doors	92
Item 4.7	Sequence Operation	93
Item 4.8	Hoistway Enclosure	93
Item 4.9	Elevator Parking Devices	93
Item 4.10	Emergency Doors in Blind Hoistways	94
Item 4.11	Separate Counterweight Hoistway	94

Item 4.12	Standby Power Selection Switch	94
Item 4.13	Equipment in Public Locations	95
Part 5	Elevator — Pit	96
Item 5.1	Pit Access, Lighting, Stop Switch, and Condition	96
Item 5.2	Bottom Clearance, Runby, and Minimum Refuge Space	97
Item 5.3	Final and Emergency Terminal Stopping Devices	99
Item 5.4	Normal Terminal Stopping Devices	100
Item 5.5	Traveling Cables	100
Item 5.6	Governor-Rope Tension Devices	100
Item 5.7	Car Frame and Platform	101
Item 5.8	Car and Counterweight Safeties and Guiding Members — Including Roped Hydraulic Elevators Installed Under A17.1b-1989 and Later Editions	102
Item 5.9	Car and Counterweight Buffers and Emergency Terminal Speed-Limiting Devices	103
Item 5.10	Compensating Chains, Ropes, and Sheaves	105
Item 5.11	Plunger and Cylinder	106
Item 5.12	(Reserved)	106
Item 5.13	Guiding Members	106
Item 5.14	Supply Piping	107
Item 5.15	Overspeed Valve	107
Item 5.16	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	108
Item 5.17	Plunger Gripper	108
Part 6	Elevator — Firefighters' Service	111
Item 6.1	Operation of Elevators Under Fire and Other Emergency Conditions (A17.1b-1973 Through A17.1b-1980)	111
Item 6.2	Operation of Elevators Under Fire and Other Emergency Conditions (A17.1-1981 Through A17.1b-1983)	113
Item 6.3	Firefighters' Service (A17.1-1984 Through A17.1a-1988 and A17.3)	115
Item 6.4	Firefighters' Service (A17.1b-1989 Through A17.1d-2000)	117
Item 6.5	Acceptance Checklist for Firefighters' Service (A17.1-2000/B44-00): Automatic Elevators	121
Part 7	Escalator — External	125
Item 7.1	General Fire Protection	125
Item 7.2	Geometry	125
Item 7.3	Handrails	126
Item 7.4	Entrance and Egress Ends	129
Item 7.5	Lighting	129
Item 7.6	Caution Signs	130
Item 7.7	Complate and Comb Step Impact Device	130
Item 7.8	Deck Barricades and Antislide Devices	131
Item 7.9	Steps and Upthrust Device	134
Item 7.10	Operating and Safety Devices	136
Item 7.11	Skirt-Obstruction Device	138
Item 7.12	(Reserved)	138
Item 7.13	Egress Restriction (Rolling Shutter) Device	138
Item 7.14	Speed	140
Item 7.15	Balustrades	140
Item 7.16	Ceiling Intersection Guards	140

Item 7.17	Step/Skirt Clearances, Panels, and Performance Index	141
Item 7.18	Outdoor Protection	143
Item 7.19	Maintenance Records	144
Item 7.20	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	145
Part 8	Escalator — Internal	146
Item 8.1	Machinery Space Access, Lighting, Receptacle, and Condition	146
Item 8.2	Machinery Space Stop Switches and Inspection Control	147
Item 8.3	Controller and Wiring	147
Item 8.4	Drive Machine and Brake	148
Item 8.5	Speed Governor	149
Item 8.6	Broken Drive Chain Device and Disconnected Motor Safety Device	149
Item 8.7	Reversal Stop Switch	150
Item 8.8	Broken Step Chain Device	150
Item 8.9	Step Upthrust Device	150
Item 8.10	Missing Step Device	151
Item 8.11	Step Level Device	151
Item 8.12	Steps, Step Chains, and Trusses	152
Item 8.13	Handrail Systems and Safety Devices	153
Item 8.14	Code Data Plate	154
Item 8.15	Response to Smoke Detectors	154
Item 8.16	Step Lateral Displacement Device	154
Item 8.17	Inspection Control	154
Item 8.18	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	155
Part 9	Moving Walk — External	156
Item 9.1	General Fire Protection	156
Item 9.2	Geometry	156
Item 9.3	Handrails	159
Item 9.4	Entrance and Egress End	160
Item 9.5	Lighting	160
Item 9.6	Caution Signs	160
Item 9.7	Combplate and Comb Step Impact Device	161
Item 9.8	Deck Barricades	162
Item 9.9	Treadway	162
Item 9.10	Operation and Safety Devices	163
Item 9.11	(Reserved)	164
Item 9.12	(Reserved)	164
Item 9.13	Egress Restriction (Rolling Shutter) Device	164
Item 9.14	Speed	164
Item 9.15	Balustrades	165
Item 9.16	Ceiling Intersection Guards	166
Item 9.17	Skirt Panels	167
Item 9.18	Outdoor Protection	167
Item 9.19	Maintenance Records	167
Item 9.20	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	168
Part 10	Moving Walk — Internal	169

Item 10.1	Machinery Space Access, Lighting, Receptacle, and Condition	169
Item 10.2	Stop Switch and Inspection Control	169
Item 10.3	Controller and Wiring	170
Item 10.4	Drive Machine and Brake	171
Item 10.5	Speed Governor	172
Item 10.6	Broken Drive Chain Device and Disconnected Motor Safety Device	172
Item 10.7	Reversal Stop Switch	173
Item 10.8	Broken Treadway Device	173
Item 10.9	(Reserved)	173
Item 10.10	Missing Pallet Device	173
Item 10.11	Pallet Level Device	174
Item 10.12	Pallets, Pallet Chains, and Trusses	174
Item 10.13	Handrail Systems and Safety Devices	175
Item 10.14	Code Data Plate	176
Item 10.15	Response to Smoke Detectors	176
Item 10.16	Inspection Control	176
Item 10.17	Earthquake Inspection and Tests (Seismic Risk Zone 2 or Greater)	177
Part 11	Elevator — Machine-Room-Less (MRL)	178
Item 11.1	Access to Machine Room/Machinery Space/Control Room/Control Space	178
Item 11.2	Access Door and Openings	178
Item 11.3	Enclosure of Rooms and Spaces	179
Item 11.4	(Reserved)	179
Item 11.5	Machine/Control Rooms Containing Overhead Drive Machines	179
Item 11.6	(Reserved)	179
Item 11.7	Disconnecting Means	179
Item 11.8	Remote Machine Rooms and Control Rooms	179
Item 11.9	Inspection and Test Panels	180
Item 11.10	(Reserved)	180
Item 11.11	(Reserved)	180
Item 11.12	Traction Sheaves	180
Item 11.13	Secondary and Detector Sheaves	180
Item 11.14	Terminal Stopping Devices	181
Item 11.15	Working Areas Inside the Hoistway and in the Pit	181
Item 11.16	Location of Machinery Spaces, Machine Rooms, Control Spaces, Control Rooms, and Equipment	182
Item 11.17	Hydraulic Elevators — Shutoff/Manual Lowering Valves	182
Item 11.18	Hydraulic Elevators — Pressure Gage Fittings	182
Item 11.19	Hydraulic Elevators — Atmosphere Storage and Discharge Tanks	182
Item 11.20	Hydraulic Elevators — Pressure Piping	183
Item 11.21	Explanatory Figures for Definitions of Elevator Machinery Space, Machine Room, Control Space, Control Room, Remote Machine Room, or Remote Control Room	183
Item 11.22	Inspection Operation and Hoistway Access Switch Operation Hierarchy	183
Part 12	Dumbwaiter — Car	187
Item 12.1	Door Reopening Device	187
Item 12.2	Operating Control Devices	187
Item 12.3	Sills and Car Floor	187

Item 12.4	Car Lighting	188
Item 12.5	Car Door or Gate	188
Item 12.6	Power Closing of Doors or Gates	188
Item 12.7	Power Opening of Doors or Gates	188
Item 12.8	Car Vision Panels	189
Item 12.9	Car Enclosure	189
Item 12.10	Signs and Operating Device Symbols	189
Item 12.11	Rated Load, Platform Volume, and Data Capacity Plate	189
Item 12.12	Car Ride	189
Part 13	Dumbwaiter — Machinery Space, Machine Room, Control Space, and Control Room	190
Item 13.1	Access to Equipment Space	190
Item 13.2	Headroom	190
Item 13.3	Lighting and Receptacles	190
Item 13.4	Machinery Space, Machine Room, Control Space, and Control Room	190
Item 13.5	Housekeeping	191
Item 13.6	Ventilation	191
Item 13.7	Fire Extinguisher	191
Item 13.8	Pipes, Wiring, and Ducts	191
Item 13.9	Guarding of Equipment	191
Item 13.10	Numbering of Dumbwaiters, Machines, and Disconnect Switches	192
Item 13.11	Disconnecting Means and Control	192
Item 13.12	Controller Wiring, Fuses, Grounding, Etc.	192
Item 13.13	Governor	192
Item 13.14	Code Data Plate	193
Item 13.15	Overhead Beam and Fastenings	193
Item 13.16	Drive Machine Brake	193
Item 13.17	Traction Drive Machines	193
Item 13.18	Gears, Bearings, and Flexible Couplings	193
Item 13.19	Winding Drum Machine	194
Item 13.20	Chain Drive Machine and Drive Sprockets	194
Item 13.21	Absorption of Regenerated Power	194
Item 13.22	AC Drive From a DC Source	194
Item 13.23	Traction Sheaves	195
Item 13.24	Secondary and Deflector Sheaves or Sprockets	195
Item 13.25	Car and Chain Fastenings	195
Item 13.26	Terminal Stopping Devices	195
Item 13.27	Car and Counterweight Safeties	196
Item 13.28	Hydraulic Power Unit	196
Item 13.29	Relief Valves	196
Item 13.30	Control Valve	197
Item 13.31	Tanks	197
Item 13.32	Flexible Hydraulic Hoses and Fitting Assemblies	197
Item 13.33	Supply Line and Shutoff Valve	197
Item 13.34	Hydraulic Cylinders	197
Item 13.35	Pressure Switch	198

Item 13.36	Controls for Hydraulic and Rope or Chain Hydraulic Dumbwaiters	198
Part 14	Dumbwaiter — Top of Car	199
Item 14.1	Top-of-Car Switch	199
Item 14.2	Top-of-Car Operating Device	199
Item 14.3	Top-of-Car Clearance and Refuge Space	199
Item 14.4	Normal Terminal Stopping Device	199
Item 14.5	Final Terminal Stopping and Terminal Speed-Reducing Devices	200
Item 14.6	Car Leveling and Anticreep Devices	200
Item 14.7	Hoistway Construction	201
Item 14.8	Pipes, Wiring, and Ducts	201
Item 14.9	Windows, Projections, Recesses, and Setbacks	201
Item 14.10	Hoistway Clearance	201
Item 14.11	Multiple Hoistways	201
Item 14.12	Traveling Cables and Junction Boxes	201
Item 14.13	Door and Gate Equipment	202
Item 14.14	Car Frame and Stiles	202
Item 14.15	Guide Rails, Fastening, and Equipment	202
Item 14.16	Governor Rope	202
Item 14.17	Wire Rope or Chain Fastening and Hitch Plate	202
Item 14.18	Suspension Rope or Chain	202
Item 14.19	Top Counterweight Clearance	203
Item 14.20	Car, Overhead, and Deflector Sheaves	203
Item 14.21	Broken Rope, Chain, or Tape Selector Switch	203
Item 14.22	Data Plates	203
Item 14.23	Counterweight and Counterweight Buffer	203
Item 14.24	Counterweight Safety	204
Item 14.25	Speed Test	204
Item 14.26	Slack Rope or Slack Chain Device	204
Item 14.27	Traveling Sheave	204
Item 14.28	Compensating Ropes or Chains	204
Part 15	Dumbwaiter — Outside Hoistway	205
Item 15.1	Car Guards	205
Item 15.2	Hoistway Doors	205
Item 15.3	Vision Panels	205
Item 15.4	Hoistway Door-Locking Devices	205
Item 15.5	Access to Hoistway	206
Item 15.6	Power Closing of Hoistway Doors	206
Item 15.7	Hoistway Enclosure	206
Item 15.8	Separate Counterweight Hoistway	206
Part 16	Dumbwaiter — Pit	207
Item 16.1	Pit Access, Lighting, Stop Switch, and Condition	207
Item 16.2	Bottom Clearance and Runby	207
Item 16.3	Final and Emergency Terminal Stopping Devices	207
Item 16.4	Normal Terminal Stopping Devices	207
Item 16.5	Traveling Cables	207

Item 16.6	Governor-Rope Tension Device	207
Item 16.7	Car Frame and Platform	207
Item 16.8	Car Safeties and Guiding Members	208
Item 16.9	Buffer	208
Item 16.10	Plunger and Cylinder	208
Item 16.11	Car Buffer	208
Item 16.12	Guiding Members	208
Item 16.13	Supply Piping	208

Mandatory Appendices

I	Guide for Inspection of Inclined Elevators	209
II	Guide for Inspection of Private Residence Electric and Hydraulic Elevators	229
III	Guide for Inspection of Private Residence Inclined Elevators	249

Nonmandatory Appendices

A	Inspection Checklists	256
B	Acceptance Checklists	293
C	Guidelines for CSA B44.1/ASME A17.5-2004	369
D	Checklists for Electric and Hydraulic Elevators, Escalators, and Moving Walks	371
E	Checklists and Reports for Inspection of Electric and Hydraulic Elevators, Escalators, and Moving Walks	410
F	Inspection Checklists for Limited-Use/Limited-Application Electric and Hydraulic Elevators	415
G	Guide for Typical Door Closing Times	435
H	Examples of Suspension Member Tension Measurement Data and Calculations for Adjustment	436
I	Acceptance Checklist for Occupant Evacuation Operation (A17.1-2013/B44-13)	437
J	Acceptance Checklist for Standby/Emergency Power	444

Figures

1.10.2	Door Operation Relative to Car Position	12
2.13.2.1	Dynamometer Connections for Testing the Pull-Through of Governor Jaws	32
2.29.2(a)	Safety Marks on Guide Rails, Poor Illumination	48
2.29.2(b)	Safety Marks on Guide Rails, Good Illumination	49
3.4.1.2	Car Top Clearance and Runby (A17.1-1978 and Later Editions)	63
3.16.1	Self-Tightening Grips	71
3.22.1	Cross Section Through Tapered Rope Socket Showing Maximum and Minimum Projection of Loops Above Embedment Medium	77
3.23.1(a)	Types of Lay	79
3.23.1(b)	Cross Sections of Typical Wire Ropes	80
3.23.1(c)	Inspection and Replacement of Steel Wire Ropes	81
5.2.3.1	Bottom Car Clearance Electric and Hydraulic Elevators	98
5.8.1.1-1	Safety Gripping Face and Guide Rail Minimum Clearance	103
6.4.2(a)	Visual Signal	118
6.4.2(b)	Phase I Instructions	120
6.4.2(c)	Phase II Instructions (A17.1b-1989 Through A17.1b-1995)	120
6.4.2(d)	Phase II Instructions (A17.1-1996 Through A17.1d-2000)	121

7.2.1(a)	Dimensions for Existing Escalators (for Escalators Installed Under A17.1-1955 and A17.1-1960 Editions)	126
7.2.1(b)	Dimensions for Existing Escalators (for Escalators Installed Under A17.1-1965 Through A17.1-1981)	127
7.2.1(c)	Relationship of Escalator Parts (A17.1a-1982 and Later Editions)	128
7.2.3	Checking Incline	128
7.4.1	Safety Zone	129
7.7.1	Checking Step/Combplate Mesh	131
7.7.3	Test of Combplate/Landing Plate Assembly	132
7.8.1(a)	Deck Barricade	133
7.8.1(b)	High-Deck Balustrade Antislip Devices	133
7.9.1(a)	Smooth Riser	134
7.9.1(b)	Cleated Riser	135
7.9.1(c)	Escalator Step Riser	135
7.9.1(d)	Escalator Step Tread [A17.1-1955 Through A17.1-1990, Rule 802.5 (Requirement 6.1.3.5)]	136
7.9.3	Example of Two Flat Steps	137
7.11.2	Typical Skirt-Obstruction Device	139
7.16.1	Ceiling or Soffit Guard [Requirements 6.1.3.3.9 and 6.2.3.3.7 (Rules 802.3g and 902.3g)]	141
7.17.1	Measuring Gap Between Step and Skirt	142
7.17.2	Angle of Skirt Panel	143
7.18.3	Escalator Cover Overlap	144
8.9.2	Typical Step Upthrust Device	151
8.12.2	Positioning of Steps for Inspection of Truss	152
9.2.1(a)	Moving Walk Geometry (for Moving Walks Installed Under A17.1-1965 Through A17.1b-1980)	157
9.2.1(b)	Moving Walk Geometry (for Moving Walks Installed Under A17.1-1981 Through A17.1a-1991)	158
9.2.3	Maximum Treadway Angle	158
9.3.3	Moving Walk Handrail Extension (A17.1-1971 and Later Editions)	161
9.9.1	Moving Walk Treadway Slots	163
9.15.1	Treadway Clearances	166
11.21(a)	Configuration A	183
11.21(b)	Configuration B	183
11.21(c)	Configuration C	183
11.21(d)	Configuration D	184
11.21(e)	Configuration E	184
11.21(f)	Configuration F	185
I-1.16.3.3	Net Platform Area Measurements	212
I-2.13.2.3(a)	Static Governor-Rope Drive	215
I-2.13.2.3(b)	Wheel-Driven Governor	215
I-2.28.2.3	Retractable Sill	215
I-3.4	Uphill Clearance	217
I-4.1	Car Platform Guard	222
I-5.1.1.3	Pits and Work Spaces	225
I-5.2.1.3	Refuge Space When Conformance to A17.1/B44, Requirement 2.4.1 Is Not Provided . . .	225

Tables

1	Procurement Information	3
2.13.2.1	Governor Adjustment Settings	31
2.29.2(a)	Maximum Safety Rope Pullout	44
2.29.2(b)	Minimum and Maximum Stopping Distances for Type B Car Safeties With Rated Load, and Type B Counterweight Safeties With No Load in the Car	47
2.29.2(c)	Gradual Wedge Clamp Safety	47
2.29.2(d)	Flexible Guide Clamp Safety	47
2.29.2(e)	Wedge Clamp Safety (Constant Retarding Force)	48
2.34.3	Minimum Bend Radius for SAE 100R2 Hose	52
2.43.3.1	Traction Elevator Brake Type, Function, and Performance	58
2.45.3	Operation Hierarchy	59
3.14.3(a)	Horizontal Clearances	69
3.14.3(b)	Horizontal Distances	70
3.22.1	Projection of Rope Strands Above Embedment Medium for 6- and 8-Strand Ropes	78
4.2.1-1	Maximum Allowable Opening for a Hoistway Door or Gate in the Closed Position	90
5.17.3.2	Plunger Gripper Stopping Distances With Rated Load in the Car	110
9.2.3(a)	Treadway Width (A17.1-1965 Through A17.1d-1970)	159
9.2.3(b)	Treadway Width (A17.1-1971 and Later Editions)	159
9.2.3(c)	Minimum Treadway Width	159
9.14.1(a)	Treadway Speed (A17.1-1981 and Later Editions)	164
9.14.1(b)	Treadway Speed at Point of Entrance or Exit (A17.1-1965 Through A17.1b-1980)	165
9.14.1(c)	Treadway Speed at Any Point on Treadway (A17.1-1965 Through A17.1b-1980)	165
11.21	Definitions of Elevator Machinery Space, Machine Room, Control Space, Control Room, Remote Machine Room, or Remote Control Room	185
11.22	Inspection Operation and Hoistway Access Switch Operation Hierarchy	186
II-1.7.3	Maximum Distance Between Hoistway Face of Landing Door and Car Door or Gate, Private Residence Elevator (A17.1-2016/B44-16 and Later Editions)	232
A-1	Checklist for Electric Elevators	257
A-2	Checklist for Hydraulic Elevators	272
A-3	Checklist for Escalators	286
A-4	Checklist for Moving Walks	290
G-1	Guidelines for Mass and Closing Time of Elevator Horizontally Sliding Doors (See A17.1/B44, Requirements 2.13.4.2.4, 8.6.3.8, 8.6.4.19.8, and 8.6.5.14.6.)	435

FOREWORD

Following the publication of the 1925 edition of the Safety Code for Elevators, Dumbwaiters, and Escalators, requests for a handbook or manual covering the inspection of elevators were received by the A17 Committee. This Committee appointed a subcommittee to prepare such a manual. Cities, states, insurance companies, elevator manufacturers and maintenance companies, and the federal government furnished the Committee with material based on their field experiences. A final draft was prepared and was unanimously approved by the A17 Committee, the Code Sponsors, and the American Standards Association [currently known as the American National Standards Institute (ANSI)], and the first edition of the Manual was published in 1937 simultaneously with the fourth edition of the Code.

A second edition of the Manual was prepared by the Committee to bring it in line with the fourth edition of the Code, including the 1942 Supplement. A new Part, covering the inspection of escalators, and new Appendices, covering descriptions of various types of safeties, methods for determining stopping distances of gradual-type safeties, guide rail data, types of speed governors, and the handling and socketing of wire rope, were added. The second edition of the Manual was approved by the American Standards Association and was published in 1945.

The third edition of the Manual was published in 1960 and included revisions to bring it in line with the 1960 edition of the Code.

The fourth edition of the Manual was published in 1973 to bring it in line with the 1971 editions of the Code, including the 1972 Supplement, and to update the inspection procedures. A new Part, covering the inspection of moving walks, was also added.

The Inspectors' Manual Subcommittee was reactivated in 1976 to review the Manual and coordinate it with a proposed new edition of the Code. The Subcommittee, during its review, felt that it was time for the Manual to take a new format. Thus, the fifth edition of the Manual, published in 1979, was reorganized into four major Parts: Electric Elevators, Hydraulic Elevators, Escalators, and Moving Walks. Each Part was further divided into three major Divisions: Routine Inspection, Periodic Inspection and Test, and Acceptance Inspection and Test. New Appendices were added to this edition, containing sample inspection checklists for electric elevators, hydraulic elevators, escalators, and moving walks. A considerable amount of new material was also added to the Manual to bring it in line with the 1978 edition of the Code.

In order to keep the Manual as current as possible, the Committee began the policy of publishing supplements on a regular basis. Supplements were issued in 1980 and 1981 to update the 1979 edition.

The sixth edition of the Manual contained the revisions included in the 1980 and 1981 Supplements, as well as many other revisions made to keep the Manual in line with new Code requirements and to add more comprehensive inspection and testing procedures. The title of this edition was also changed to ANSI/ASME A17.2, Inspectors' Manual for Elevators and Escalators. This change was made to reflect a reorganization of the A17 Committee structure, and to shorten the title for convenience.

The seventh edition of the Manual included the revisions in the 1983 and 1984 Supplements, as well as other new revisions. One of the major revisions was the Inspection Checklists in [Nonmandatory Appendix E](#), which were expanded to include routine and periodic inspections and tests in addition to acceptance inspections and tests.

The eighth edition included the revisions in the 1986 and 1987 Supplements, as well as other revisions that were detailed in the Summary of Changes section.

In 1989, the Inspectors' Manual Committee polled the inspection community to determine which portions of the Manual were most effective and the direction that should be taken to meet the needs of inspectors. In response to requests for equipment-specific inspection guidelines, techniques, and cautionary notes as well as field convenience, the concept of individual equipment inspection manuals was developed. The Committee decided to concentrate initially on three major segments. As a result, the Inspectors' Manual was published in three volumes: A17.2.1, Electric Elevators; A17.2.2, Hydraulic Elevators; and A17.2.3, Escalators and Moving Walks. Each volume addressed inspection procedures for ensuring compliance with the A17.1 Code since 1955 and the A17.3 Code. It was the Committee's plan to publish additional manuals to address inspection of other equipments, such as roped hydraulic elevators, dumbwaiters, sidewalk elevators, private residence elevators, hand elevators, material lifts and dumbwaiters with automatic transfer devices, special-purpose personnel elevators, rack-and-pinion elevators, inclined elevators, screw-column elevators, elevators used for construction, wheelchair and stairway chairlifts, shipboard elevators, and rooftop elevators.

In 1993, the Inspectors' Manual Committee was asked to review equipment installed prior to the 1955 edition of A17.1. ASME A17.2.3 included inspection and testing procedures for ensuring compliance with some requirements in pre-1955 editions of A17.1.

In 1999, based on feedback from the user community, the A17 Main Committee approved the Inspectors' Manual Committee's recommendation to consolidate the three existing manuals: A17.2.1-1996, Inspectors' Manual for Electric Elevators (including A17.2.1a-1997 and A17.2.1b-1998 Addenda); A17.2.2-1997, Inspectors' Manual for Hydraulic Elevators (including A17.2.2a-1998 Addenda); and A17.2.3-1998, Inspectors' Manual for Escalators and Moving Walks (including A17.2.3a-2000 Addenda). The resulting A17.2-2001, Guide for Inspection of Elevators, Escalators, and Moving Walks, represented an editorial consolidation of the three manuals. The revised standard also included technical revisions that had been approved by the A17.1 Committee since the previous publications.

The second edition of the consolidated Guide was published in 2004. [Nonmandatory Appendix B](#) appeared for the first time in this edition.

The third edition of the Guide included revisions that were detailed in the Summary of Changes section.

The fourth edition of the Guide included revisions that were detailed in the Summary of Changes section.

The fifth edition of the Guide included revisions that were detailed in the Summary of Changes section. This edition also added an Inspection Guide for Private Residence Elevators.

The sixth edition of the Guide included revisions that were detailed in the Summary of Changes section. This edition also added an inspection guide for limited-use/limited-application (LU/LA) elevators.

The seventh edition of the Guide included revisions detailed in the Summary of Changes section. This edition also added the Acceptance Checklist for Occupant Evacuation Operation.

This eighth edition of the Guide includes revisions listed in the Summary of Changes section. This edition adds a guide for the inspection of dumbwaiters ([Parts 12 through 16](#)) and updates the ASME A17.2 subtitle accordingly. It also adds inspection guidance for door reopening devices and an emergency power acceptance checklist.

The following is a list of past editions and supplements and the dates on which they received final approval. The dates of issuance are also included for documents published since 1979.

Editions and Supplements	Designation	Approved	Date of Issuance
First Edition	ASA A17.2-1937	July 1937	...
Second Edition	ASA A17.2-1945	October 22, 1945	...
Third Edition	ASA A17.2-1960	August 10, 1960	...
Addenda	ASA A17.2a-1965	July 29, 1965	...
Supplement	USAS A17.2b-1967	July 7, 1967	...
Fourth Edition	ANSI A17.2-1973	May 29, 1973	...
Fifth Edition	ANSI A17.2-1979	February 18, 1979	May 15, 1979
Supplement	ANSI A17.2a-1980	August 11, 1980	September 15, 1980
Supplement	ANSI A17.2b-1981	November 23, 1981	January 15, 1982
Sixth Edition	ANSI/ASME A17.2-1982	September 22, 1982	November 30, 1982
Supplement	ANSI/ASME A17.2a-1983	September 23, 1983	December 20, 1983
Supplement	ANSI/ASME A17.2b-1984	August 16, 1984	September 16, 1984
Seventh Edition	ANSI/ASME A17.2-1985	July 23, 1985	October 31, 1985
Supplement	ANSI/ASME A17.2a-1986	September 8, 1986	October 31, 1986
Supplement	ANSI/ASME A17.2b-1987	September 11, 1987	October 30, 1987
Eighth Edition	ANSI/ASME A17.2-1988	August 25, 1988	October 31, 1988
Addenda	ANSI/ASME A17.2a-1989	November 10, 1989	December 31, 1989
Addenda	ANSI/ASME A17.2b-1990	October 8, 1990	January 21, 1991

Editions and Supplements	Designation	Approved	Date of Issuance
First Edition	ASME A17.2.1-1993	January 22, 1993	May 31, 1993
Addenda	ASME A17.2.1a-1994	August 18, 1994	December 31, 1994
Addenda	ASME A17.2.1b-1995	August 10, 1995	January 29, 1996
Second Edition	ASME A17.2.1-1996	September 6, 1996	January 31, 1997
Addenda	ASME A17.2.1a-1997	December 16, 1997	January 30, 1998
Addenda	ASME A17.2.1b-1998	November 13, 1998	February 19, 1999
First Edition	ASME A17.2.2-1994	April 14, 1994	May 31, 1994
Addenda	ASME A17.2.2a-1995	August 10, 1995	January 10, 1996
Addenda	ASME A17.2.2b-1996	September 6, 1996	December 31, 1996
Second Edition	ASME A17.2.2-1997	November 18, 1997	December 31, 1997
Addenda	ASME A17.2.2a-1998	November 13, 1998	February 5, 1999
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Addenda	ASME A17.2.3a-1996	September 6, 1996	November 22, 1996
Addenda	ASME A17.2.3b-1997	November 18, 1997	December 31, 1997
Second Edition	ASME A17.2.3-1998	November 16, 1998	February 26, 1999
Addenda	ASME A17.2.3a-2000	June 22, 2000	August 10, 2000
First Edition	ASME A17.2-2001	October 4, 2001	December 31, 2001
Second Edition	ASME A17.2-2004	July 22, 2004	March 31, 2005
Third Edition	ASME A17.2-2007	July 11, 2007	October 5, 2007
Fourth Edition	ASME A17.2-2010	September 8, 2010	December 9, 2010
Fifth Edition	ASME A17.2-2012	September 14, 2012	October 22, 2012
Sixth Edition	ASME A17.2-2014	December 16, 2014	March 13, 2015
Seventh Edition	ASME A17.2-2017	October 26, 2017	January 26, 2018
Eighth Edition	ASME A17.2-2020	July 31, 2020	December 31, 2020

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(April 2020)

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PREFACE

(20)

FORM AND ARRANGEMENT

This Guide addresses how-to inspection guidelines, techniques, and cautionary notes in a logical sequence. It is understood that “routine inspection” refers to A17.1d-2000 and earlier editions and “periodic inspection” refers to A17.1-2000/B44-00 and later editions. Subsections are arranged to focus on routine inspection requirements, followed by periodic test (annual and 5 yr) and acceptance criteria. Appropriate references to the latest edition of the Code, in effect at the time of this Guide’s publication, are listed at the end of each subsection. The referenced numbers may not be the same in earlier editions. This Guide is organized as follows: [Parts 1](#) through [6](#) apply to electric and hydraulic elevators [including limited-use/limited-application (LU/LA) elevators where applicable], [Parts 7](#) and [8](#) apply to escalators, [Parts 9](#) and [10](#) apply to moving walks, [Part 11](#) applies to machine-room-less (MRL) elevators, and [Parts 12](#) through [16](#) apply to dumbwaiters. The Parts are arranged to show the location of the inspection:

- [Part 1](#) Elevator — Inside of Car
- [Part 2](#) Elevator — Machine Room
- [Part 3](#) Elevator — Top of Car
- [Part 4](#) Elevator — Outside Hoistway
- [Part 5](#) Elevator — Pit
- [Part 6](#) Elevator — Firefighters’ Service
- [Part 7](#) Escalator — External
- [Part 8](#) Escalator — Internal
- [Part 9](#) Moving Walk — External
- [Part 10](#) Moving Walk — Internal
- [Part 11](#) Elevator — Machine-Room-Less (MRL)
- [Part 12](#) Dumbwaiter — Inside of Car
- [Part 13](#) Dumbwaiter — Machine-Room
- [Part 14](#) Dumbwaiter — Top of Car
- [Part 15](#) Dumbwaiter — Outside of Hoistway
- [Part 16](#) Dumbwaiter — Pit

Each inspection location is further subdivided as follows:

- X Location of inspection
- XX Item to be inspected
- XX.1 Periodic inspections (routine)
- XX.1.1 Electric elevators (as applicable)

- XX.1.2 Hydraulic elevators (as applicable)
- XX.1.3 Electric LU/LA elevators (as applicable)
- XX.1.4 Hydraulic LU/LA elevators (as applicable)
- XX.2 Periodic test
- XX.2.1 Electric elevators (as applicable)
- XX.2.2 Hydraulic elevators (as applicable)
- XX.2.3 Electric LU/LA elevators (as applicable)
- XX.2.4 Hydraulic LU/LA elevators (as applicable)
- XX.3 Acceptance
- XX.3.1 Electric elevators (as applicable)
- XX.3.2 Hydraulic elevators (as applicable)
- XX.3.3 Electric LU/LA elevators (as applicable)
- XX.3.4 Hydraulic LU/LA elevators (as applicable)
- XX.4 Code references
- XX.4.1 Electric elevators (as applicable)
- XX.4.2 Hydraulic elevators (as applicable)
- XX.4.3 Electric LU/LA elevators (as applicable)
- XX.4.4 Hydraulic LU/LA elevators (as applicable)

When a requirement within A17.1/B44 or A17.3 cross-references another requirement, the cross-reference is shown with the referring requirement in braces, { }. For A17.1-2000/B44-00 and later edition requirements, where no direct cross-reference is found within the A17.1-2000/B44-00 Cross-Reference Table, the prior code Rule (A17.1d-2000 and earlier editions) is shown in parentheses, (), with a preceding “NR” designation.

Subsection numbering of items may not be sequential when there are no inspection or test procedures indicated within this Guide.

NOTE: This Guide addresses the requirements of A17.1-1955 and later editions for elevators, escalators, and moving walks; the requirements of A17.1-1993 for dumbwaiters; and the latest edition of A17.3. Some requirements in earlier editions of A17.1 are also addressed. The inspector is referred to the particular edition of the A17.1 Code that applies for requirements prior to 1955 or 1993, as applicable.

This Guide includes the pertinent requirements from prior editions of A17.1/B44 that differ from the requirements in the latest edition. As the inspector becomes familiar with the prescribed order of inspection procedures, variations may be appropriate. The Foreword, Preface, and Nonmandatory Appendices that are included in this Guide have been approved by the A17 Committee but are not part of this American National Standard.

NOTE: See also [section 2](#), “Application,” in the Introduction of this Guide.

REQUIREMENTS FOR EXISTING INSTALLATIONS

Elevators and escalators in jurisdictions that have adopted A17.3, the Safety Code for Existing Elevators and Escalators, and installations that have been altered in accordance with Part XII of the Safety Code for Elevators and Escalators, A17.1d-1986 and later editions, must, as a minimum, conform to the requirements identified in this Guide as “A17.3.” If an existing installation does not meet the requirements of the A17.3 Code, it must be upgraded. If an existing installation was required to meet more stringent requirements, it must continue to meet those requirements.

Alterations, if made, must conform to the requirements of A17.1/B44, Part XII, and the entire installation must conform to the requirements of A17.3. The alteration requirements in A17.1/B44, Part XII may be more stringent than the requirements of A17.3. The equipment must conform to the more stringent of the two.

METRIC (SI) UNITS

This edition of the Guide uses both imperial and metric (SI) units. The format of the units in the Guide are in the order found in the referenced Code [e.g., imperial (metric) or metric (imperial)]. Information on the usage of SI units and conversion to imperial units is contained in IEEE/ASTM SI 10-1997, Standard for the Use of the International System of Units (SI): The Modern Metric System; ASME Guide SI-1, Orientation and Guide for Use of SI (Metric) Units; or CAN/CSA-Z234-1, Canadian Metric Practice Guide.

DEFINITIONS

For definitions, see Section 3 of A17.1d-2000 and earlier editions (Section 1.3, A17.1-2000/B44-00 and later editions).

ASME ELEVATOR PUBLICATIONS

This Guide is one of the numerous codes and standards that have been or are being developed and published by The American Society of Mechanical Engineers (ASME). The following publications are of special interest to users of this Guide. For prices and availability, contact

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ASME A17.1/CSA B44, Safety Code for Elevators and Escalators. This American National Standard safety code covers the design, construction, installation, opera-

tion, testing, maintenance, alteration, and repair of elevators, dumbwaiters, escalators, moving walks, and material lifts and dumbwaiters with automatic transfer devices.

ASME A17.3, Safety Code for Existing Elevators and Escalators. This Code covers retroactive requirements for existing elevators and escalators. The purpose of this Code is to establish minimum requirements that will provide a reasonable degree of safety for the general public. Although many of these requirements also increase the degree of safety for the elevator mechanic and inspector, this area has not been addressed at this time.

ASME A17.4, Guide for Emergency Personnel. This Guide for emergency personnel (fire, police, etc.), building owners, lessees, and building operating managers explains the proper procedures to be used for the safe removal of passengers from stalled cars.

CSA B44.1/ASME A17.5, Elevator and Escalator Electrical Equipment. This Code contains requirements for obtaining, labeling, and listing electrical equipment for elevators, escalators, moving walks, dumbwaiters, material lifts, platform lifts, and stairway lifts.

ASME A17.7/CSA B44.7, Performance-Based Safety Code for Elevators and Escalators. This American National Standard performance-based safety code covers the design, construction, installation, operation, testing, maintenance, alteration, and repair of elevators, dumbwaiters, escalators, moving walks, and material lifts.

Published Interpretations. Interpretations of A17.1 and A17.2 approved by the A17 Committee from June 14, 1972, through June 1979 were published in a separate book in 1980.

Starting with the 1981 edition of the Code and ending with the 2016 edition, interpretations were published with each new edition and supplement of A17.1/B44. A compilation of Interpretations Nos. 2–13 (June 1979–May 1989) has also been published by ASME.

ASME A17.1/CSA B44 Handbook. This Handbook augments the A17.1/B44 Code with commentary, diagrams, and illustrations that are intended to explain the requirements of the A17.1/B44 Code.

The commentary contained in the Handbook is the opinion of the author and has not been approved by the A17 Committee or the B44 Technical Committee.

QEI-1, Standard for the Qualification of Elevator Inspectors. This Standard covers requirements for the qualification and duties of inspectors and inspection supervisors engaged in the inspection and testing of equipment within the scope of the A17.1/B44 Code.

ASME A18.1, Safety Standard for Platform Lifts and Stairway Chairlifts. This safety Standard covers the design, construction, installation, operation, inspection, testing, maintenance, and repair of inclined stairway chairlifts and inclined and vertical platform lifts intended for transportation of a mobility-impaired person only.

CORRESPONDENCE WITH THE A17 COMMITTEE

ASME Codes and Standards are developed and maintained with the intent to represent the consensus of concerned interests. As such, users of this and other ASME A17 Codes and Standards may interact with the Committee by requesting interpretations, proposing revisions, and attending Committee meetings. Correspondence should be addressed to:

Secretary, A17 Standards Committee
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Two Park Avenue
New York, NY 10016-5990
<http://go.asme.org/Inquiry>

All correspondence to the Committee must include the individual's name and post office address in case the Committee needs to request further information.

Proposing Revisions. Revisions are made periodically to the Guide to incorporate changes that appear necessary or desirable, as demonstrated by the experience gained from the application of the procedures, and in order to conform to developments in the elevator art. Approved revisions will be published periodically.

The Committee welcomes proposals for revisions to this Guide. Such proposals should be as specific as possible, citing the Item number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

Interpretations. Upon request, the A17 Standards Committee will render an interpretation of any requirement of the Guide. Interpretations can only be rendered in response to a written request sent to the Secretary of the A17 Standards Committee.

Requests for interpretation should preferably be submitted through the online Interpretation Submittal Form. The form is accessible at <http://go.asme.org/InterpretationRequest>. Upon submittal of the form, the Inquirer will receive an automatic e-mail confirming receipt.

If the Inquirer is unable to use the online form, he/she may mail the request to the Secretary of the A17 Standards Committee at the above address. The request for an inter-

pretation should be clear and unambiguous. It is further recommended that the Inquirer submit his/her request in the following format:

Subject:	Cite the applicable Item number(s) and the topic of the inquiry in one or two words.
Edition:	Cite the applicable edition and supplement of the Guide for which the interpretation is being requested.
Question:	Phrase the question as a request for an interpretation of a specific item suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. Please provide a condensed and precise question, composed in such a way that a "yes" or "no" reply is acceptable.
Proposed Reply(ies):	Provide a proposed reply(ies) in the form of "Yes" or "No," with explanation as needed. If entering replies to more than one question, please number the questions and replies.
Background Information:	Provide the Committee with any background information that will assist the Committee in understanding the inquiry. The Inquirer may also include any plans or drawings that are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in the format described above may be rewritten in the appropriate format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

Moreover, ASME does not act as a consultant for specific engineering problems or for the general application or understanding of the Standard requirements. If, based on the inquiry information submitted, it is the opinion of the Committee that the inquirer should seek assistance, the inquiry will be returned with the recommendation that such assistance be obtained.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME committee or subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

Attending Committee Meetings. The A17 Standards Committee and the various Working Committees regularly hold meetings and/or telephone conferences, all of which are open to the public. Persons wishing to attend any meeting and/or telephone conference should contact the Secretary of the Standards Committee.

Abbreviations Used in This Code

Abbreviation	Unit	Abbreviation	Unit
A	ampere	lb	pound (mass)
°C	degree Celsius	lbf	pound (force)
deg	degree (angle)	lx	lux
°F	degree Fahrenheit	m	meter
fc	footcandle	m/s	meter per second
ft	foot	m/s ²	meter per second per second
ft/min	foot per minute	m ²	square meter
ft/s	foot per second	m ³	cubic meter
ft ²	square foot	mA	milliampere
ft ³	cubic foot	mm	millimeter
ft/s ²	foot per second per second	mm ²	square millimeter
h	hour	mm ³	cubic millimeter
Hz	hertz	MPa	megapascal
in.	inch	N	newton
in. ²	square inch	psi	pound per square inch
in. ³	cubic inch	s	second
kg	kilogram	V	volt
kPa	kilopascal		

ASME A17.2-2020 SUMMARY OF CHANGES

Following approval by the ASME A17 Committee and ASME, and after public review, ASME A17.2-2020 was approved by the American National Standards Institute on July 31, 2020.

ASME A17.2-2020 includes the following changes identified by a margin note, **(20)**.

<i>Page</i>	<i>Location</i>	<i>Change</i>
xxiii	Preface	(1) Form and Arrangement updated (2) Published Interpretations revised (3) Title of ASME A17.1/CSA B44 Handbook paragraph revised
1	Introduction, section 1	Revised
4	Item 1.1.1	(1) Item 1.1.1.1 designation and title added (2) Item 1.1.1.2 added
4	Item 1.1.4	(1) Requirements from A17.1-2019/B44-19 and later editions added (2) In 1.1.4.3 and 1.1.4.4, in A17.1-2000/B44-00 through A17.1-2016/B44-16, requirement 2.13.3.4 deleted
9	Item 1.7.1	Note revised
11	Item 1.10.2	(1) Subparagraph (a) revised (2) Last paragraph of subpara. (b) added
12	Figure 1.10.2	Revised
11	Item 1.10.2.1	Revised
13	Item 1.10.4	Revised
18	Item 1.17.4.1	Revised
18	Item 1.18	Revised in its entirety
21	Item 2.1.3	Added
28	Item 2.12.1.1	Subparagraph (a)(3)(-b) editorially revised
34	Item 2.13.3.2	Note editorially revised
36	Item 2.17.2.2	Title revised
56	Item 2.42.1.2	Revised
56	Item 2.42.3.2	Subparagraphs (c) and (d) added
56	Item 2.42.4	In Items 2.42.4.1 and 2.42.4.2, requirements for A17.1-2016/B44-16 and later editions added
58	Table 2.43.3.1	Revised
59	Item 2.45.4	Editorially revised
78	Item 3.23	Note revised
78	Item 3.23.1	Last paragraph editorially redesignated as (f)
89	Item 4.2.1	Subparagraph (b) editorially revised
90	Table 4.2.1-1	Added
95	Item 4.13	Added
103	Figure 5.8.1.1-1	Added

<i>Page</i>	<i>Location</i>	<i>Change</i>
103	Item 5.9	Revised in its entirety
106	Item 5.12	Deleted and designator reserved
108	Item 5.17	Revised in its entirety
141	Item 7.17.1	Last paragraph added
143	Item 7.17.3	Revised
143	Item 7.17.4	Revised
149	Item 8.4.3	Last paragraph added
149	Item 8.4.4	Requirements for A17.1-2016/B44-16 and later editions added
167	Item 9.17.1	Last paragraph added
167	Item 9.17.3	Revised
167	Item 9.17.4	Revised
172	Item 10.4.3	Last paragraph added
172	Item 10.4.4	Revised
187	Part 12	Added
190	Part 13	Added
199	Part 14	Added
205	Part 15	Added
207	Part 16	Added
237	Item II-2.26.3	Editorially revised
244	Item II-3.28.3	Revised
285	Nonmandatory Appendix A, Checklist for Hydraulic Elevators	Item 5.9 added
436	Nonmandatory Appendix H	(1) Editorially reformatted (2) Example 1, member #4 corrected by errata
444	Nonmandatory Appendix J	Added

Introduction

(20) 1 SCOPE

This Guide covers recommended inspection and testing procedures for electric and hydraulic elevators, escalators, and moving walks required to conform to the Safety Code for Elevators and Escalators, A17.1-1955 and later editions, and The Safety Code for Existing Elevators and Escalators, A17.3. This Guide also addresses some requirements from editions of A17.1 prior to 1955.

This Guide also includes Canadian references and applicable exceptions for CSA B44-00 and later editions.

NOTES:

- (1) This Guide may not reflect the latest requirements in the current ASME A17.1/CSA B44 and ASME A17.3 Codes.
- (2) The inspection procedures in [Parts 1](#) through [6](#) apply for limited-use/limited-application (LU/LA) elevators, except as modified.

2 APPLICATION

This Guide is intended to assist qualified inspectors performing routine inspections and witnessing periodic and acceptance inspections and tests. It is not intended to serve as a basis for government regulations. This Guide does not contain information on handling discrepancies noted during an inspection and test. The authority having jurisdiction in their legislation adopting the Code is responsible for addressing this subject. The acceptance inspection and testing procedures apply only to the extent that they conform to the latest edition of the A17.1/B44 Code. The routine and periodic inspection and testing procedures apply only to the extent that they conform to the applicable Code requirements that were in effect at the time of installation or alteration. The inspection and testing procedures do not take into account local regulations that may differ.

It is recognized that inspectors will not be able to accomplish all the inspection procedures specified in this Guide during each inspection. Qualified inspectors have the knowledge and experience to recognize potential deficiencies and to focus the inspection in those areas.

This Guide uses the following format to describe the appropriate inspection and test:

(a) Periodic Inspections. The examination and operation of equipment at specified intervals by an inspector to check for compliance with the applicable Code requirements.

(b) Periodic Test. The testing and detailed examination and operation of equipment at specified intervals witnessed by an inspector to check for compliance with the applicable Code requirements.

(c) Acceptance. The initial inspection and test of new or altered equipment to check for compliance with the applicable Code requirements.

The procedures in this Guide are recommendations only and are intended to illustrate a method of complying with the requirements in A17.1d-2000 and earlier editions and A17.1-2000/B44-00 and later editions, Sections 8.10 and 8.11. The person performing the inspection and test may employ other methods to demonstrate compliance with the applicable Code requirement. Qualified inspectors have the knowledge and experience to recognize potential deficiencies and to focus the inspection where necessary.

Where, as an example, no inspection procedure is specified for periodic inspections or periodic tests, it indicates that the Code requirements need no explanation. This does not indicate that no inspection or test of the specified item is required. The item is to be inspected or tested for compliance with the applicable Code requirements.

If, as an example, the acceptance inspection has a test procedure that differs from the test procedure specified under periodic test, the acceptance test procedure should be followed in addition to the periodic test procedure.

This Guide contains inspection procedures for compliance with the applicable Code only. A17.1d-2000 and earlier editions, Rule 1000.2 and A17.1-2000/B44-00 and later editions, requirements 8.10.1.2 and 8.11.1.2 read in part “the inspection and test required by this Part are to determine that the equipment conforms to the applicable Code requirements at the time of installation and any alteration.” This Guide contains no recommendations that exceed the requirements of A17.1d-2000 and earlier editions, Rule 1000.2; A17.1-2000/B44-00 and later editions, requirements 8.10.1.2 and 8.11.1.2; and A17.3.

To facilitate making inspections and tests, sample checklists can be found in [Nonmandatory Appendix A](#) of this Guide. The checklist Item numbers correspond to the Item numbers in this Guide. The checklists also contain appropriate A17.1/B44 and A17.3 references for each Item.

NOTE: See also “Form and Arrangement” in the [Preface](#) of this Guide.