Steve Stuard 10/29/20

ASME A17.1-2019/CSA B44:19
SUMMARY OF CHANGES

Following approval by the ASME A17 Elevators and Escalators Committee and ASME, and after public review, ASME A17.1-2019/CSA B44:19 was approved by the American National Standards Institute on October 8, 2019. It was issued on December 31, 2019, and is effective as of June 30, 2020.

ASME A17.1-2019/CSA B44:19 incorporates the revisions and editorial changes made since the previously published edition. Revisions are identified by a margin note, **(19)**. Changes made to correct errors, as well as other new editorial changes, are identified by **(ED)**. The following is a summary of the latest revisions and changes.

Page	*Location*	*Change*
x	ASME Foreword	Revised
xxiii	ASME Preface	Revised
xxvii	CSA Preface	Revised
1	1.1.3	Revised
2	Section 1.3	(1) Definitions of *car door interlock, car door or gate electric contact, door or gate electric contact, elevator discharge level, hoistway door electric contact, hoistway door combination mechanical lock and closed detection means, hoistway door interlock,* and *mechanical lock* revised (2) Definitions of *door locked detection means, dynamic braking; executable software; Fire Service Access Elevator (FSAE); manual reset; private residence elevator; relocation, escalator or moving walk; restrictor, car door; software-based parameters and/or variables; unique software identifier (USI);* and *valve, manually (manual) operated* added
21	2.2.2.5	Revised
29	2.7.3.3.2	Revised
30	2.7.5.1.2	Subparagraph (e) revised
31	2.7.5.3	Reference to 8.6.11.9 corrected by errata
32	2.7.5.3.1	Reference to 8.6.11.9 corrected by errata
35	2.7.8	Revised
36	2.8.2.4	Added
36	2.8.3.1.4	Added
37	2.8.3.3.2	Subparagraph (d) added
37	2.8.3.3.4	Revised
43	2.11.10.2	Revised
44	2.11.11.5.7	Revised
48	Section 2.12	Title revised
49	2.12.1.5	Revised
49	2.12.2.4	Revised in its entirety
50	2.12.3	Title revised
50	2.12.3.1	Introductory sentence revised
51	2.12.3.4	Revised

Page	*Location*	*Change*
51	2.12.3.4.1	Revised
51	2.12.3.4.2	Revised
51	2.12.3.4.4	Revised
51	2.12.3.5	Revised
51	2.12.4	Revised in its entirety
52	2.12.7.2.1	Revised
57	2.13.3.4.10	Subparagraph (b) revised
58	2.13.4.2.4	Revised
58	2.13.5	Revised in its entirety
61	2.14.1.5.1	Subparagraph (c) revised
63	2.14.2.2	Subparagraph (g)(4) revised
63	2.14.2.3.3	Subparagraph (b) and Note revised
64	2.14.4.2	(1) Title revised (2) Paragraph 2.14.4.2.1 revised (3) Paragraph 2.14.4.2.3 revised (4) Paragraphs 2.14.4.2.4 and 2.14.4.2.5 added and following paragraphs redesignated (5) Paragraph 2.14.4.2.6 (formerly 2.14.4.2.4) revised (6) Paragraph 2.14.4.2.7 (formerly 2.14.4.2.5) revised
66	2.14.4.11	Subparagraphs (a) and (c) revised
67	2.14.5.7	Revised
67	2.14.5.7.5	Revised
67	2.14.5.7.6	Added
69	2.14.7.1.3	Subparagraph (g) revised
75	2.16.3.1	Revised
76	2.16.3.2.2	Subparagraph (f) added
76	2.16.3.3	Revised in its entirety
76	2.16.5.1	Revised
76	2.16.5.2	Revised
77	2.16.7.5	Revised
79	Table 2.17.3	Title revised
81	2.17.14	Introductory sentence revised
81	2.17.16	Second paragraph revised
83	2.18.5.3	Paragraph following (h) revised
85	2.18.9	Introductory sentence revised
85	2.19.2.1	Introductory sentence and subpara. (a) revised
86	2.19.3.2	Subparagraphs (a)(5), (i)(1), (i)(2), and (k) revised
87	2.19.3.3	Revised
87	2.20.2.1	Introductory sentence revised
87	2.20.2.2.1	Introductory sentence and subpara. (d) revised
87	2.20.2.2.2	Introductory sentence revised
89	2.20.8.1	Subparagraph (d)(2) revised
95	2.20.10.9	Revised
97	2.22.3.1	Revised

Page	*Location*	*Change*
98	2.22.3.3	Revised
99	2.22.4.10	Revised
100	2.22.4.11	Revised
100	2.22.5.1	Subparagraph (c) deleted
110	2.24.2.3.5	Added
112	2.24.8.5	Revised
112	2.24.9.2.1	Reference revised
118	2.26.1.5	Last paragraph revised
119	2.26.1.5.5	Revised
119	2.26.1.5.6	Revised
119	2.26.1.5.7	Revised
119	2.26.1.5.8	Revised
120	2.26.1.7	Added
121	2.26.2.14	Revised
121	2.26.2.15	Revised
122	2.26.2.36	Revised
122	2.26.2.37	Revised
123	Table 2.26.4.3.2	Eighteenth and nineteenth rows revised
124	2.26.4.4	Second paragraph revised
125	2.26.5	Revised in its entirety
126	2.26.9.3.1	Revised
127	2.26.11	Introductory sentence revised
127	2.26.12	Note revised
127	Section 2.27	Note revised
129	2.27.1.1	Revised in its entirety
130	2.27.2.4.1	Revised
131	2.27.2.4.2	Revised
131	2.27.2.4.5	Revised
131	2.27.2.4.6	Revised
132	2.27.3.1.2	Revised
132	2.27.3.1.6	(1) Introductory paragraph and subparas. (a), (h), (j), (k), and (k)(1) revised (2) Note added after subpara. (n)(5)
134	2.27.3.2.3	Subparagraph (a) revised
134	2.27.3.2.4	Revised
134	2.27.3.2.5	Revised
137	2.27.3.3.7	Revised
138	2.27.3.5.1	Revised
138	2.27.4.1	Revised
139	2.27.4.2	Subparagraph (c) revised
139	2.27.5.3	Revised
139	2.27.6	Revised
139	2.27.7	(1) Paragraph 2.27.7.1 revised (2) Paragraph 2.27.7.4 deleted

Page	*Location*	*Change*
141	2.27.10	Revised in its entirety
141	2.27.11	Revised in its entirety
142	Figure 2.27.9	Revised
145	2.28.1	Subparagraph (k) added
150	3.7.1	Title added
151	Section 3.12	Title revised
151	3.12.2	Revised
157	3.19.2.5	Revised in its entirety
158	3.19.4.1	Revised in its entirety
158	3.19.4.4	Revised
162	3.26.1	Subparagraph (i) added
163	3.26.4.2	Subparagraphs (c) and (d) revised
164	3.26.8	Revised
165	3.26.11	Added
176	4.2.12	Paragraphs deleted and designator reserved for future use
188	5.2.1.4.3	Revised
188	5.2.1.4.4	Revised
189	5.2.1.4.5	Revised
190	5.2.1.16.2	Subparagraph (b) revised
193	5.3.1.3	Revised in its entirety
193	5.3.1.5	Revised
194	5.3.1.6	Added and following paragraphs redesignated
195	5.3.1.7	Formerly 5.3.1.6, title revised
195	5.3.1.7.3	Added
195	5.3.1.8.1	Formerly 5.3.1.7.1, revised
196	5.3.1.9.1	Formerly 5.3.1.8.1, subpara. (f) added
196	5.3.1.9.2	Formerly 5.3.1.8.2, subpara. (a) revised
199	5.3.1.17.2	Formerly 5.3.1.16.2, subparas. (a)(8), (b)(1), (b)(3), (j)(2), and (j)(4) revised
201	5.3.1.19.9	Added
221	Section 5.9	Revised
230	Section 5.11	Revised
232	6.1.3.3.6	(1) Subparagraph (b) revised (2) Subparagraph (d) added
235	6.1.3.9.1	Revised
235	6.1.3.9.2	Revised
236	6.1.3.9.3	Revised
236	6.1.3.10	Revised
236	6.1.3.10.2	Revised
236	6.1.3.10.3	Revised
236	6.1.3.10.4	Revised
236	6.1.3.12	Revised
237	6.1.5.3.1	Subparagraph (a) revised
238	6.1.5.3.3	Revised

Page	*Location*	*Change*
238	6.1.5.3.4	Added
239	6.1.6.3.1	Subparagraphs (a) and (c) revised
239	6.1.6.3.3	Subparagraph (a) revised
240	6.1.6.3.6	Revised
240	6.1.6.3.7	Revised
240	6.1.6.3.9	Revised
240	6.1.6.3.11	Revised
240	6.1.6.3.12	Revised
241	6.1.6.3.14	Revised
241	6.1.6.3.16	Revised
241	6.1.6.4	Revised
241	6.1.6.5	Revised
241	6.1.6.6	Revised
241	6.1.6.8	Revised
243	6.1.6.10.4	Subparagraph (c) revised
243	6.1.6.11	Revised
243	6.1.6.13	Revised
245	6.2.3.3.6	Revised
248	6.2.3.10.1	Revised
248	6.2.3.10.2	Revised
248	6.2.3.10.3	Revised
249	6.2.3.11	Revised in its entirety
249	6.2.3.15	Revised
250	6.2.5.3.1	Subparagraph (a) revised
250	6.2.5.3.3	Added
252	6.2.6.3.1	Subparagraphs (a) and (c) revised
252	6.2.6.3.3	Revised
252	6.2.6.3.6	Revised
252	6.2.6.3.8	Revised
252	6.2.6.3.9	Revised
253	6.2.6.3.10	Revised
253	6.2.6.4	Revised
253	6.2.6.5	Revised
253	6.2.6.6	Revised
253	6.2.6.7	Revised
254	6.2.6.10.4	Subparagraph (c) revised
254	6.2.6.11	Revised in its entirety
255	6.2.6.13	Revised
257	Scope, Part 7	Revised
257	Section 7.1	Title and introductory paragraph revised
259	7.1.10	Revised
259	7.1.11	Paragraphs 7.1.11.1.2, 7.1.11.2.2, 7.1.11.3.2, and 7.1.11.12.9 deleted
260	7.1.12	Paragraph 7.1.12.2 deleted and designator reserved for future use

Page	*Location*	*Change*
262	Section 7.2	(1) Title and introductory paragraph revised (2) Paragraph 7.2.4.3 deleted and designator reserved for future use (3) Paragraphs 7.2.6.1.2 and 7.2.10.2 deleted
269	7.4.3	Introductory paragraphs revised
270	7.4.4	Revised
272	7.4.13.2	Paragraphs 7.4.13.2.4 through 7.4.13.2.11 redesignated as 7.4.13.2.3 through 7.4.13.2.10
274	7.5.1.1.7	Revised in its entirety
276	7.5.10	Revised
280	7.6.7	Revised in its entirety
280	7.6.8.1	Revised
284	8.1.2	(1) Subparagraph (p) of Note revised (2) Subparagraph (z) of Note added
284	8.1.3	Subparagraphs (n) and (o) of Note added
304	Section 8.3	(1) Subparagraph (a)(6) revised (2) Subparagraph (b)(7) added
307	8.3.3.1	Revised
307	8.3.3.3.1	Revised in its entirety
308	8.3.3.3.2	Revised
308	8.3.3.4	Revised
308	8.3.3.4.2	Revised
308	8.3.3.4.3	Revised
309	8.3.3.4.6	Revised
309	8.3.3.4.10	Revised
309	8.3.3.4.11	Revised
310	8.3.6	Title revised
310	8.3.6.1	Revised
314	8.3.14	Added
315	8.3.15	Added
315	Section 8.4	Subparagraph (a)(3) revised
335	8.4.10.1.4	Subparagraph (c) revised
334	Figure 8.4.10.1.3	Revised
342	Section 8.5	Subparagraph (a)(3) revised
345	8.6.1.1.2	Notes added
345	8.6.1.1.4	Added
346	8.6.1.2.2	Subparagraphs (e) and (f) added
347	8.6.1.2.3	Added
347	8.6.1.4.1	Subparagraphs (b)(3) and (d)(2) added
349	8.6.2.3	Revised
352	8.6.4.2.2	Revised
354	8.6.4.19.2	Subparagraph (b)(1) revised
355	8.6.4.19.8	Revised
356	8.6.4.19.18	Added
356	8.6.4.19.19	Added

Page	*Location*	*Change*
356	8.6.4.19.20	Added
356	8.6.4.20.1	Subparagraphs (a) and (b)(2) revised
359	8.6.4.23	Added
360	8.6.5.14.3	(1) Subparagraph (g) revised (2) Subparagraph (j) added
360	8.6.5.14.6	Revised
360	8.6.5.14.9	Added
360	8.6.5.14.10	Added
361	8.6.5.16.4	Revised
361	8.6.6.1.1	Revised
363	8.6.7.9.6	Added
363	8.6.8	Revised
364	8.6.8.3.3	Revised
364	8.6.8.5	Subparagraph (a) revised
365	8.6.8.15	Title revised
365	8.6.8.15.4	Revised in its entirety
367	8.6.8.15.25	Added
367	8.6.8.15.26	Added
367	8.6.9	Introductory paragraph revised
368	8.6.9.14	Added
368	8.6.10.1.1	Revised
368	8.6.11.1	Revised
371	8.7.1.4	Revised
372	8.7.1.10	Added
372	8.7.2.2	Introductory paragraph added
372	8.7.2.3	Revised
372	8.7.2.4	Revised
372	8.7.2.5	Revised
372	8.7.2.6	Revised
372	8.7.2.7	Introductory paragraph added
373	8.7.2.8	Revised
373	8.7.2.10.1	Revised
373	8.7.2.10.2	Revised
373	8.7.2.10.3	Revised
373	8.7.2.10.4	Revised
374	8.7.2.11	Introductory paragraph added
374	8.7.2.11.5	Revised
374	8.7.2.12	Revised
374	8.7.2.13	Revised
374	8.7.2.14	Introductory paragraph added
375	8.7.2.14.5	Revised
375	8.7.2.15.1	Revised
375	8.7.2.15.2	Revised
376	8.7.2.16.1	Revised

Page	*Location*	*Change*
376	8.7.2.16.2	Revised
376	8.7.2.16.3	Revised
376	8.7.2.16.4	Revised
376	8.7.2.17.1	Revised
377	8.7.2.17.2	Revised
377	8.7.2.18	Introductory paragraph added
378	8.7.2.19	Revised
378	8.7.2.20	Revised
378	8.7.2.21	Introductory paragraph added
378	8.7.2.22	Introductory paragraph added
378	8.7.2.23	Revised
378	8.7.2.24	Revised
379	8.7.2.25.1	Revised
379	8.7.2.25.2	Revised
379	8.7.2.26	Revised
379	8.7.2.27.1	Revised
379	8.7.2.27.2	Revised
379	8.7.2.27.3	Revised
379	8.7.2.27.4	Revised
380	8.7.2.27.5	Revised
381	8.7.2.27.6	Revised
381	8.7.2.27.7	Revised
381	8.7.2.27.8	Revised
381	8.7.2.27.9	Revised
382	8.7.2.28	Revised
382	8.7.3.2.1	Revised
382	8.7.3.3	Revised
382	8.7.3.4	Revised
382	8.7.3.5	Revised
382	8.7.3.6	Revised
382	8.7.3.7	Revised
382	8.7.3.8	Revised
383	8.7.3.10	Revised
383	8.7.3.11	Revised
383	8.7.3.12	Revised
383	8.7.3.13.1	Revised
383	8.7.3.13.2	Revised
383	8.7.3.14	Revised
383	8.7.3.15.1	Revised
383	8.7.3.15.2	Revised
383	8.7.3.15.3	Revised
383	8.7.3.16	Revised
383	8.7.3.17	Revised
383	8.7.3.18	Revised

Page	*Location*	*Change*
384	8.7.3.19	Revised
384	8.7.3.20	Revised
384	8.7.3.21	Revised
384	8.7.3.22.1	Revised
384	8.7.3.22.2	Revised
384	8.7.3.22.3	Revised
384	8.7.3.23.1	Revised
384	8.7.3.23.2	Revised
384	8.7.3.23.3	Revised
384	8.7.3.23.4	Revised
384	8.7.3.23.5	Revised
385	8.7.3.23.6	Revised
385	8.7.3.23.7	Revised
385	8.7.3.24	Revised
385	8.7.3.25.1	Revised
385	8.7.3.26	Revised
385	8.7.3.27	Revised
385	8.7.3.28	Revised
385	8.7.3.30	Revised
385	8.7.3.31.1	Revised
385	8.7.3.31.2	Revised
385	8.7.3.31.3	Revised
385	8.7.3.31.4	Revised
386	8.7.3.31.5	Revised
386	8.7.3.31.6	Revised
387	8.7.3.31.7	Revised
387	8.7.3.31.8	Revised
388	8.7.3.31.9	Revised
388	8.7.3.31.10	Revised
388	8.7.3.31.11	Revised
388	8.7.3.31.12	Revised
388	8.7.3.31.13	Added
389	8.7.5.7	Revised in its entirety
395	8.7.6.1.5	Introductory paragraph added
395	8.7.6.1.6	Revised
395	8.7.6.1.7	Revised
395	8.7.6.1.8	Revised
395	8.7.6.1.9	Revised
395	8.7.6.1.10	Revised
395	8.7.6.1.11	Revised
395	8.7.6.1.12	Revised
395	8.7.6.1.13	Revised
395	8.7.6.1.14	Revised
395	8.7.6.1.15	Revised

Page	Location	Change
395	8.7.6.1.16	Revised
395	8.7.6.1.17	Revised
395	8.7.6.1.18	Revised
395	8.7.6.1.19	Added
396	8.7.6.2.5	Revised
396	8.7.6.2.6	Revised
396	8.7.6.2.7	Revised
396	8.7.6.2.8	Revised
396	8.7.6.2.9	Revised
396	8.7.6.2.10	Revised
396	8.7.6.2.11	Revised
396	8.7.6.2.12	Revised
396	8.7.6.2.13	Revised
396	8.7.6.2.14	Revised
396	8.7.6.2.15	Revised
396	8.7.6.2.16	Revised
397	8.7.6.2.17	Revised
397	8.7.6.2.18	Added
397	8.7.6.2.19	Added
398	8.10.1.3	Notes revised
399	8.10.2.2.1	Subparagraphs (i) and (j)(2) revised
400	8.10.2.2.2	(1) Subparagraphs (ff)(4) and (tt) added (2) Subparagraphs (ii)(1)(-b), (ii)(1)(-c), (ii)(1)(-f), (ii)(4)(-a), (ii)(4)(-b), and (ii)(4)(-c) revised
403	8.10.2.2.3	Subparagraph (k) revised
405	8.10.2.2.7	In subpara. (a)(1), reference to 8.6.11.9 corrected by errata
405	8.10.2.3.2	(1) Subparagraphs (a), (d), (g), (i), (j), (l) through (q), (s), and (u) revised (2) Subparagraphs (v) through (rr) added
408	8.10.3.2.2	Subparagraph (jj) added
410	8.10.3.2.5	Subparagraphs (d) and (n) revised
411	8.10.3.2.7	In subpara. (a)(1), reference to 8.6.11.9 corrected by errata
411	8.10.3.3.2	(1) Subparagraphs (a), (d), (g), (j), (n), (o), and (q) through (s) revised (2) Subparagraphs (t) through (pp) added
413	8.10.4.1.1	Subparagraph (p)(3) revised
414	8.10.4.1.2	Subparagraph (t) revised
416	8.10.4.2.2	(1) Subparagraphs (i) and (j) revised (2) Subparagraphs (k) through (o) added
419	8.11.1.2	Notes revised
420	8.11.2.1.2	Subparagraph (oo) added
421	8.11.2.1.6	Revised in its entirety
421	8.11.2.1.7	In subpara. (a)(1), reference to 8.6.11.9 corrected by errata
422	8.11.3.1.2	Subparagraph (dd) added

Page	*Location*	*Change*
423	8.11.3.1.5	(1) Subparagraph (d) revised
		(2) Subparagraph (r) added
423	8.11.3.1.7	In subpara. (a)(1), reference to 8.6.11.9 corrected by errata
423	8.11.4.1	Subparagraph (k) revised
425	Section 8.13	Added
427	Part 9	(1) Introductory text revised
		(2) In Section 9.1, ADA/ABAAG and FED-STD-595C added
		(3) In Section 9.1, ASME A17.8/CSA B44.8, ASME B29.1, ASME B29.8, ASME B29.100, CSA C22.2 No. 141, and UL 924 revised
		(4) In Section 9.1, ASME B29.2M-1982 (R1987) and ASME B29.15-1973 (R1987) deleted
		(5) Section 9.2 updated
449	Table F-1	Revised
452	Figure G-1	Revised
466	Nonmandatory Appendix L	Revised
483	Table P-1	Title revised
489	Nonmandatory Appendix S	(1) Title revised
		(2) Figures S-13 through S-16 added
510	Table X-1	Lines 10, 11, 24, and 27 revised
511	Table X-2	(1) Line 19 deleted and following lines redesignated
		(2) Lines 24 (formerly 25), 28 (formerly 29), and 29 (formerly 30) revised
512	Table X-3	Lines 1, 3, 17, 22, and 25 revised
513	Table X-4	Lines 1, 3, 16, and 21 revised
519	Nonmandatory Appendix AA	Added
522	Index	Updated

NOTE: The Interpretations of ASME A17.1 are no longer published in a separate supplement to the edition. Interpretations are issued in real time in ASME's Interpretation Database at http://go.asme.org/Interpretations.

STEVE STUARD
October 27, 2020

CHANGE FROM 2016 TO 2019 ARE ALL ADDRESSED IN RED FONT

#1

2016 **2.2.2.5** In elevators provided with Firefighters' Emergency Operation, a drain or sump pump shall be provided. The sump pump/drain shall have the capacity to remove a minimum of 11.4 m3/h (3,000 gal/h) per elevator.

2019 Change **2.2.2.5** In elevators provided with Firefighters' Emergency Operation, a drain or sump pump shall be provided. The sump pump/drain shall be required to remove a minimum of 11.4 m3/h (3,000 gal/h) per single hoistway or multiple hoistway.

#3 Indiana rules change

#5 Indiana rules change

#6 Indiana rules change

#8 DOES NOT AFFECT OUR CHANGE

2016 **2.12.7.2.1** The switch shall be installed a minimum of 1 200 mm (48 in.) and a maximum of 1 825 mm (72 in.) above the floor measured to the centerline of the switch, adjacent to or part of the hoistway entrance at the landing with which it is identified, and in one of the following locations:

(a) on the wall outside of the hoistway within 300 mm (12 in.) of the entrance frame

(b) on the hoistway entrance frame or jamb

(c) on the sight guard

2019 Changed **2.12.7.2.1** The switch shall be installed a minimum of 1 200 mm (48 in.) and a maximum of 1 825 mm (72 in.) above the floor measured to the centerline of the switch, adjacent to or part of the hoistway entrance at the landing with which it is associated, and in one of the following locations:

(a) on the wall outside of the hoistway within 300 mm(12 in.) of the entrance frame

(b) on the hoistway entrance frame or jamb

(c) on the sight guard The switch shall be labeled "ACCESS" and shall be a three-position switch, labeled "UP," "OFF," and "DOWN" (in that order), with the "OFF" position as the center position. The switch shall be rotated clockwise to go from the "UP" position to the "OFF" position to the "DOWN" position.

2016 **2.12.7.2.1** The switch shall be installed a minimum of 1 200 mm (48 in.) and a maximum of 1 825 mm

#9

2016 **2.14.1.9**

2019 **NO CHANGE 2.14.1.9**

#10

2016 **5.2.1.1.2**

2019 **NO CHANGE**

#11

2016 **5.3 Residential Elevators removed**

#14

2016 **5.4 Private Residence Inclined Elevators removed**

#15

2016 **5.8 Marine Elevators removed**

#21

2016 **Material Lifts without transfer removed**

#23
2016 Material Lifts 7.5, 7.6, 7.9, 7.10 ALL removed

#27
2016 8.6.1.4 Maintenance Records language change has been added.
2019 8.6.1.4 NO CHANGE BUT Several OTHER changes were made later in 8.6.1.4 See #28

#28
2016 8.6.1.4.1 8.6.1.4.1 On-Site Maintenance Records

(a) Maintenance Control Program Records

(1) A record that shall include the maintenance tasks listed with the associated requirements of Section 8.6 identified in the Maintenance Control Program (8.6.1.2.1), other tests (see 8.6.1.2.2), examinations and adjustments, and the specified scheduled intervals shall be maintained.

(2) The specified scheduled maintenance intervals (see Section 1.3) shall, as applicable, be based on the criteria given in 8.6.1.2.1(e).

(3) MCP records shall be viewable on-site by elevator personnel in either hard copy or electronic format acceptable to the authority having jurisdiction and shall include, but are not limited to, the following:

(-a) site name and address
(-b) service provider name
(-c) conveyance identification (I.D.) and type
(-d) date of record
(-e) a description of the maintenance task, interval, and associated requirements of Section 8.6
(-f) indication of completion of maintenance task

NOTE [8.6.1.4.1(a)]: Recommended format for documenting Maintenance Control Program records can be found in Nonmandatory Appendix Y. This is only an example format. A specific maintenance control program that includes all maintenance needs is required for each unit.

(b) Repair and Replacement Records. The following repairs and replacements shall be recorded and shall be kept on-site for viewing by elevator personnel in either
hard copy or electronic format. Instructions for locating the records of each unit for immediate viewing shall be posted on the controller or at the means necessary for test (see 2.7.6.4). The provided instructions shall be permanently legible with characters a minimum of 3 mm (0.125 in.) in height. The record shall include an explanation of the repair or replacement, date, and name of person(s) and/or firm performing the task. The record of repairs and replacements shall be retained by the owner of the equipment for the most recent 5 yr or from the date of installation or adoption of this Code edition, whichever is less, or as specified by the authority having jurisdiction, and shall be a permanent record for the installation. These records may be kept remotely from the site.

(1) Repairs (8.6.2.1 through 8.6.2.5) including repairs of components and devices listed in 8.6.4, 8.6.5, 8.6.6, 8.6.7, 8.6.8, 8.6.9, and 8.6.10.

(2) Replacements (8.6.3.1 through 8.6.3.11 except 8.6.3.7 and 8.6.3.10) including replacements of components and devices listed in 8.6.4, 8.6.5, 8.6.6, 8.6.7, 8.6.8, 8.6.9, and 8.6.10.

(c) Other Records. The following written records shall be kept on-site for each unit. Instructions for locating the records of each unit for immediate viewing shall be posted on the controller or at the means necessary for test (see 2.7.6.4). The provided instructions shall be permanently legible with characters a minimum of 3 mm (0.125 in.) in height. These records shall be retained for the most recent 5 yr from of the date of installation or adoption of this Code edition, whichever is less or as specified by the authority having jurisdiction. The record shall include the date and name of person(s) and/or firm performing the task.

(1) A record of oil usage (8.6.5.7).

(2) A record of findings for firefighters' service operation required by 8.6.11.1 with identification of the person(s) that performed the operation.

(3) Periodic tests (see 8.6.1.7) shall be documented or recorded in accordance with 8.6.1.7.2.

(4) Written record to document compliance with replacement criteria specified in ASME A17.6 requirement 1.10.1.1(c).

(d) Permanent Record. A permanent record of the results of all acceptance tests as required by 8.10.1.1.4 and 8.10.1.1.5 shall be kept with the on-site records. Test tags, complying with 2.16.3.3 for marking plates (except lettering shall be 1.6 mm [0.0625 in.]), permanently attached to or adjacent to the controller, shall meet this requirement. NOTE: This requirement does not apply to equipment installed under ASME A17.1-2010 and earlier editions.

2019 Changed 8.6.1.4.1 On-Site Maintenance Records

(a) Maintenance Control Program Records

(1) A record that shall include the maintenance tasks listed with the associated requirements of Section 8.6 identified in the MCP (8.6.1.2.1), other tests (see 8.6.1.2.2), examinations and adjustments, and the specified scheduled intervals shall be maintained.

(2) The specified scheduled maintenance intervals (see Section 1.3) shall, as applicable, be based on the criteria given in 8.6.1.2.1(e).

(3) MCP records shall be viewable on-site by elevator personnel in either hard copy or electronic format acceptable to the authority having jurisdiction and shall include, but are not limited to, the following:

(-a) site name and address

(-b) service provider name

(-c) conveyance identification (I.D.) and type

(-d) date of record

(-e) a description of the maintenance task, interval, and associated requirements of Section 8.6

(-f) indication of completion of maintenance task NOTE [8.6.1.4.1(a)]: The recommended format for documenting MCP records can be found in Nonmandatory Appendix Y. This is only an example format. A specific MCP that includes all maintenance needs is required for each unit.

(b) Repair and Replacement Records. The following repairs and replacements shall be recorded and shall be kept on-site for viewing by elevator personnel in either hard copy or electronic format. Instructions for locating the records of each unit for immediate viewing shall be posted on the controller or at the means necessary for test (see 2.7.6.4). The provided instructions shall be permanently legible, with characters a minimum 3 mm (0.125 in.) high. The record shall include an explanation of the repair or replacement, date, and name of the person(s) and/or firm performing the task. The record of repairs and replacements shall be retained by the owner of the equipment for the most recent 5 yr or from the date of installation or adoption of this Code edition, whichever is less, or as specified by the authority having jurisdiction, and shall be a permanent record for the installation. These records may be kept remotely from the site.

(1) Repairs (8.6.2.1 through 8.6.2.5) including repairs of components and devices listed in 8.6.4 through 8.6.10.

(2) Replacements (8.6.3.1 through 8.6.3.11, except 8.6.3.7 and 8.6.3.10) including replacements of components and devices listed in 8.6.4 through 8.6.10.

(3) Where applicable, the USI(s) (2.26.1.7.3) and the associated functions in 2.26.1.7.1 or 3.26.11.1 that are affected.

(c) Other Records. The following written records shall be kept on-site for each unit. Instructions for locating the records of each unit for immediate viewing shall be posted on the controller or at the means necessary for test (see 2.7.6.4). The provided instructions shall be permanently legible, with characters a minimum 3 mm (0.125 in.) high. These records shall be retained for the most recent 5 yr from the date of installation or adoption of this Code edition, whichever is less or as specified by the authority having jurisdiction. The record shall include the date and name of the person(s) and/or firm performing the task.

(1) A record of oil usage (8.6.5.7).

(2) A record of findings for firefighters' service operation required by 8.6.11.1 with identification of the person(s) that performed the operation.

(3) Periodic tests (see 8.6.1.7) shall be documented or recorded in accordance with 8.6.1.7.2.

(4) Written record to document compliance with replacement criteria specified in ASME A17.6 requirement 1.10.1.1(c).

(d) Permanent Record

(1) A permanent record of the results of all acceptance tests as required by 8.10.1.1.4 and 8.10.1.1.5

shall be kept with the on-site records. Test tags, complying with 2.16.3.3 for marking plates [except lettering shall be 1.6 mm (0.0625 in.)], permanently attached to or adjacent to the controller, shall meet this requirement.
NOTE: This requirement does not apply to equipment installed under ASME A17.1-2010 and earlier editions.

(2) For escalators and moving walks installed or altered under ASME A17.1-2019/CSA B44:19 or later editions, a permanent record of verification of conformance with 6.1.3.3.6 or 6.2.3.3.6, as applicable, for a skirt panel or skirt panel supporting components shall be kept with the on-site maintenance records.

#28

2016	**8.6.1.4.1**	**On-Site Maintenance Records**
2019	**8.6.1.4.1**	**NO CHANGE**

#29

2016	**8.6.1.7**	**Periodic Tests frequency**
2019	**9.6.1.7**	**No Change**

#31

2016	**8.6.1.2.2(a)**	**On-Site Documentation REVIEW**
2019	**8.6.1.2.2(a)**	**NO CHANGE BUT CHANGES MADE IN 8.6.1.2**

2019 8.6.1.2.2 On-Site Documentation. The documents specified in (a) through (c) shall be written and permanently kept on-site in the machine room, machinery space, control room, control space, or in the means necessary for test (2.7.6.4) in hard copy for each unit for elevator personnel. The documentation specified in (d) shall be on-site and available to the specified personnel.

(a) Up-to-date wiring diagrams detailing circuits of all electrical protective devices (see 2.26.2) and critical operating circuits (see 2.26.3)

(b) Procedures for inspections and tests not described in ASME A17.2 and procedures or methods required for elevator personnel to perform maintenance, repairs, replacements, and adjustments, as follows:

(1) all procedures specifically identified in the Code as required to be written (e.g., 8.6.4.20.8, checkout procedure for leveling; 8.6.5.16.5, checkout procedure for overspeed valve; and 8.6.8.15.7, checkout procedure for reversal stop switch)

(2) unique maintenance procedures or methods required for inspection, tests, and replacement of SIL rated E/E/PES electrical protective devices and circuits [See 2.26.4.3.2, 2.26.9.3.2(b), 2.26.9.5.1(b), and 2.26.9.6.1(b).]

(3) unique maintenance procedures or methods required for inspection, tests, and replacement of equipment applied under alternative arrangements (see 1.2.2.1) shall be provided by the manufacturer or installer

(4) unique maintenance procedures or unique methods required for inspection and test of equipment specified in an ASME A17.7/CSA B44.7 code compliance document (CCD)

(5) procedures for tests, periodic inspections, maintenance, replacements, adjustments, and repairs for traction- loss detection means, broken-suspension-member detection means, residual-strength detection means, and related circuits [See 2.20.8.1 through 2.20.8.3, 8.6.4.19.12, 8.6.11.11, 8.10.2.2.2(cc)(3)(-c)(-2), and 8.10.2.2.2(ss).]

(c) Written checkout procedures

(1) for elastomeric buffers (see 8.6.4.4.2)

(2) to demonstrate E/E/PES function as intended (see 8.6.4.19.10)

(3) for two-way communication means (see 8.6.4.19.15)

(4) for elevator leveling speed with open doors (see 8.6.4.20.8)

(5) for hydraulic elevator overspeed valve (see 8.6.5.16.5)

(6) for escalator reversal stopping device (see 8.6.8.15.7)

(7) for escalator handrail retarding force (see 8.6.8.15.13)

(d) Written procedures for the following:

(1) evacuation procedures for elevators by authorized persons and emergency personnel shall be available on-site (see 8.6.11.5.2 and ASME A17.4)

(2) the procedure for cleaning of a car and hoistway transparent enclosures by authorized persons (see 8.6.11.4.2)

(e) USI(s) of the executable software associated with the relevant functions in 2.26.1.7.1 and 3.26.11.1 (see also 2.26.1.7.3).
(f) The documentation for the engineering test of skirt panels deflection for units installed or altered under A17.1-2019 and later editions (see 8.3.15.5).
8.6.1.2.3 **Was added: Where** a defective part directly affecting the safety of the operation is identified, the equipment shall be taken out of service until the defective part has been adjusted, repaired, or replaced.

#33
2016 8.6.4.19.7 Standby Emergency Power TYPO ON #33 WHICH SHOULD READ 8.6.4.19.7
2019 8.6.4.19.7 NO CHANGE

#34
2016 8.6.4.19.6 Firefighters Emergency Operation
2019 8.6.4.19.6 NO CHANGES

#35
2016 8.6.7 Maintenance and Test of Special Application Elevators
2019 NO CHANGES

#36
2016 8.6.10 Maintenance and Testing of Dumbwaiters and Material Lifts
2019 8.6.10 NO CHANGES

#37
2016 8.6.10.1 Removes the words Material Lifts
2019 8.6.10.1 NO CHANGES BUT 8.6.10.1.1 Periodic Test HAS BEEN CHANGED

#38
2016 8.6.10.2 Removes the words Material Lifts
2019 8.6.10.2 NO CHANGES

#39
2016 8.6.10.2.1 Periodic Tests Material lifts and dumbwaiters with automatic transfer devices shall be subject to the applicable periodic tests specified in 8.6.4.19 and 8.6.5.14. The test requirements shall apply to the corresponding requirements in Part 7. Any additional requirements for this equipment shall also be checked during these tests. **Removes the words Material Lifts**
2019 8.6.10.2.1 Periodic Tests Dumbwaiters shall be subject to the applicable periodic tests specified in 8.6.4.19, 8.6.4.20, and 8.6.5.14 through 8.6.5.16. The test requirements shall apply to the corresponding requirements in Part 7. Any additional requirements for this equipment shall also be checked during these tests. On winding-drum machines, the slack-rope devices required by 2.26.2.1 shall be permitted to be tested as specified in Item 2.18. The driving-machine brake shall be tested to determine conformance with 7.2.10 (Item 2.18). NOTE: Recommended intervals for periodic inspections and tests can be found in Nonmandatory Appendix N.

#40
2016 8.7.3.23.1 Hydraulic Jack Where a hydraulic jack is installed, altered, or replaced, it shall conform to Section 3.18. Proposed change requires compliance with 3.19.4.1 which changed in 2019
2019 8.7.3.23.1 Hydraulic Jack. Where a hydraulic jack is installed, altered, or replaced, it shall conform to Section 3.18. For inspection and test requirements, see 8.10.3.3.2(n).
This is related to #40
2016 3.19.4.1 Shutoff Valve. A manually operated shutoff valve shall be provided between the hydraulic machines and the hydraulic jack and shall be located outside the hoistway and adjacent to the hydraulic machine. Where the hydraulic machine is located in the hoistway, the manually operated shutoff valve shall be permitted to be located inside the hoistway, provided that it is accessible from outside the hoistway to elevator personnel only (see Section 8.1).
2019 3.19.4.1 Shutoff Valve. A manually operated shutoff valve shall be provided between the hydraulic machines

and the hydraulic jack.

#41

2016 8.7.3.23.3 Cylinders Where a cylinder is installed, replaced, altered, or sleeved, it shall conform to 3.18.3. If the plunger is not equipped with a stop ring conforming to 3.18.4.1, the installation shall also conform to 3.18.1.2 and 3.18.2. Proposed change requires compliance with 3.18.2 and there were NO changes made in 2019

2019 8.7.3.23.3 Cylinders. Where a cylinder is installed, replaced, altered, or sleeved, it shall conform to 3.18.3. If the plunger is not equipped with a stop ring conforming to 3.18.4.1, the installation shall also conform to 3.18.1.2 and 3.18.2. For inspection and test requirements, see 8.10.3.3.2(n).

#42

2016 8.9.1 Code Data Plate Proposed change in language
2019 8.1.9 NO CHANGES

#43

2016 1.3 Definitions Authority have jurisdiction
2019 1.3 Definitions NO CHANGE

#48 DISCUSS

2016 8.10.2.2.1 Inside Car Proposal corrects code misprint HOWEVER PROPOSAL HAS MISPRINT CODE REFERENCE SHOULD BE 8.10.2.1(j)(2)
2019 8.10.2.2.1 NO CHANGE

#49

2016 8.10.5.5 Dumbwaiters with Automatic Transfer
2019 8.10.5.5 NO CHANGES

#50

2016 8.10 Acceptance Inspections Tests Removes Special Purpose Elevators
2019 8.10 NO CHANGES

#52

2016 8.11.1.1.2 Periodic Tests
2019 9.11.1.1.2 NO CHANGES

#53

2016 8.11.1.3 Periodic Tests and Frequency Simply removes note
2019 8.11.1.3 NO CHANGE

#54

2016 8.11.2.1 Periodic Inspection Requirements Adds language to this section
2019 8.11.2.1 NO CHANGES

#55

2016 8.11 Periodic Inspection Witnessing Special Purpose Elevators Deleted
2019 8.11 NO CHANGES

#56

2016 8.11.5.5 Periodic Inspection Witnessing Removes words Material Lifts
2019 8.11.5.5 NO CHANGES

#61

2016 8.6.1.2.2 Maintenance Repair Proposal adds language that requires smoke detector test reports in machine room BUT may have the (b)(5) incorrect. Must discuss

8.6.1.2.2 On-Site Documentation. The following documents specified in 8.6.1.2.2(a), (b), and (c) shall be written and permanently kept on-site in the machine room, machinery space, control room, control space, original the

means necessary for test (2.7.6.4) in hard copy for each unit for elevator personnel. The documentation specified in 8.6.1.2.2(d) shall be on-site and available to the specified personnel.

(a) Up-to-date wiring diagrams detailing circuits of all electrical protective devices (see 2.26.2) and critical operating circuits (see 2.26.3).

(b) Procedures for inspections and tests not described in ASME A17.2 and procedures or methods required for elevator personnel to perform maintenance, repairs, replacements, and adjustments, as follows:

(1) all procedures specifically identified in the Code as required to be written (e.g., 8.6.4.20.8, check out procedure for leveling; 8.6.5.16.5, check out procedure for overspeed valve; and 8.6.8.15.7, check out procedure for reversal stop switch, etc.)

(2) unique maintenance procedures or methods required for inspection, tests, and replacement of SIL rated E/E/PES electrical protective devices and circuits [See 2.26.4.3.2, 2.26.9.3.2(b), 2.26.9.5.1(b), and 2.26.9.6.1(b).]

(3) unique maintenance procedures or methods required for inspection, tests, and replacement of equipment applied under alternative arrangements (see 1.2.2.1) shall be provided by the manufacturer or Installer

(4) unique maintenance procedures or unique methods required for inspection and test of equipment specified in an ASME A17.7/CSA B44.7, Code Compliance Document (CCD)

(5) procedures for tests, periodic inspections, maintenance, replacements, adjustments, and repairs for traction- loss detection means, broken-suspension-member detection means, residual-strength detection means, and related circuits [See 2.20.8.1, 2.20.8.2, 2.20.8.3, 8.6.4.19.12, 8.6.11.11, 8.10.2.2.2(cc)(3)(-c)(-2), and 8.10.2.2(ss).]

(c) Written checkout procedures

(1) for elastomeric buffers (see 8.6.4.4.2)

(2) to demonstrate E/E/PES function as intended (see 8.6.4.19.10)

(3) for two-way communication means (see 8.6.4.19.15)

(4) for elevator leveling speed with open doors (see 8.6.4.20.8)

(5) for hydraulic elevator overspeed valve (see 8.6.5.16.5)

(6) for escalator reversal stopping device (see 8.6.8.15.7)

(7) for escalator handrail retarding force (see 8.6.8.15.13)

(d) Written procedures for the following:

(1) evacuation procedures for elevators by authorized persons and emergency personnel shall be available on-site (see 8.6.11.5.2 and ASME A17.4)

(2) the procedure for cleaning of a car and hoistway transparent enclosures by authorized persons (see 8.6.11.4.2)

2019 8.6.1.2.2 On-Site Documentation. The documents specified in (a) through (c) shall be written and permanently kept on-site in the machine room, machinery space, control room, control space, or in the means necessary for test (2.7.6.4) in hard copy for each unit for elevator personnel. The documentation specified in (d) shall be on-site and available to the specified personnel.

(a) Up-to-date wiring diagrams detailing circuits of all electrical protective devices (see 2.26.2) and critical operating circuits (see 2.26.3)in ASME A17.2 and procedures or methods required for elevator personnel to perform maintenance, repairs, replacements, and adjustments, as follows:

b) Procedures for inspections and tests not described in ASME A17.2 and procedures or methods required for elevator personnel to perform maintenance, repairs, replacements, and adjustments, as follows:

(1) all procedures specifically identified in the Code as required to be written (e.g., 8.6.4.20.8, checkout procedure for leveling; 8.6.5.16.5, checkout procedure for overspeed valve; and 8.6.8.15.7, checkout procedure for reversal stop switch)

(2) unique maintenance procedures or methods required for inspection, tests, and replacement of SIL rated E/E/PES electrical protective devices and circuits [See 2.26.4.3.2, 2.26.9.3.2(b), 2.26.9.5.1(b), and 2.26.9.6.1(b).]

(3) unique maintenance procedures or methods required for inspection, tests, and replacement of equipment applied under alternative arrangements (see 1.2.2.1) shall be provided by the manufacturer or installer

(4) unique maintenance procedures or unique methods required for inspection and test of equipment

specified in an ASME A17.7/CSA B44.7 code compliance document (CCD)

(5) procedures for tests, periodic inspections, maintenance, replacements, adjustments, and repairs for traction- loss detection means, broken-suspension-member detection means, residual-strength detection means, and related circuits [See 2.20.8.1 through 2.20.8.3, 8.6.4.19.12, 8.6.11.11, 8.10.2.2.2(cc)(3)(-c)(-2), and 8.10.2.2.2(ss).]

(c) Written checkout procedures

(1) for elastomeric buffers (see 8.6.4.4.2)

(2) to demonstrate E/E/PES function as intended (see 8.6.4.19.10)

(3) for two-way communication means (see 8.6.4.19.15)

(4) for elevator leveling speed with open doors (see 8.6.4.20.8)

(5) for hydraulic elevator overspeed valve (see 8.6.5.16.5)

(6) for escalator reversal stopping device (see 8.6.8.15.7)

(7) for escalator handrail retarding force (see 8.6.8.15.13)

(d) Written procedures for the following:

(1) evacuation procedures for elevators by authorized persons and emergency personnel shall be available on-site (see 8.6.11.5.2 and ASME A17.4)

(2) the procedure for cleaning of a car and hoistway transparent enclosures by authorized persons (see 8.6.11.4.2)

(e) USI(s) of the executable software associated with the relevant functions in 2.26.1.7.1 and 3.26.11.1 (see also 2.26.1.7.3).

(f) The documentation for the engineering test of skirt panels deflection for units installed or altered under A17.1-2019 and later editions (see 8.3.15.5).

#66

2016 8.6.3.10.4 Tank replacement Changes

2019 8.6.3.10.4 NO CHANGES

#68

2016 8.7.3.24 Valves Pressure piping etc. Opening of hydraulic pipe not require alteration

8.7.3.24 Valves, Pressure Piping, and Fittings. Where an existing control valve is replaced with a valve of a different type, it shall conform to Section 3.19. Where relief or check valves or the supply piping or fittings are replaced as part of an alteration, the components replaced shall conform to the applicable requirements of Section 3.19. Where electrically operated control valves are installed in place of existing mechanically operated control valves, for rated speeds of more than 0.5 m/s (100 ft/min), existing terminal stopping devices consisting of an automatic stop valve independent of the normal control valve and operated by the movement of the car as it approaches the terminals, where provided, shall be permitted to be retained.

2019 8.7.3.24 Valves, Pressure Piping, and Fittings

(a) Where an existing control valve is replaced with a valve of a different type (model), that is not designated by a valve manufacturer as a direct replacement, or where the mechanical properties differ, or where the electrical interface required to connect the valve is not the same, it shall be an alteration and shall conform to Section 3.19. (See 8.6.3.11 if the valve replacement has the same mechanical properties, does not require modifications to the electrical valve interface, and is designated as a direct replacement by the valve manufacturer.)

(b) Where a relief, check, shutoff, manual lowering, or overspeed valve is replaced with a valve that requires additional piping modifications or other interface changes, the replacement components shall conform to the applicable requirements of Section 3.19.

(c) Where the supply piping is rerouted, the rerouted piping and fittings shall conform to the applicable requirements of Section 3.19.

(d) Where supply piping or fittings are replaced, the replacement components shall conform to 8.6.3.11.

(e) Where electrically operated control valves are installed in place of existing mechanically operated control valves, for rated speeds more than 0.5 m/s (100 ft/min), existing terminal stopping devices consisting of an automatic stop valve independent of the normal control valve and operated by the movement of the car as it approaches the terminals, where provided, shall be permitted to be retained. For inspection and test requirements, see 8.10.3.3.2(o).

#72
2016 8.7.3.23.1 Valves Proposal requires compliance with 3.19.4.1 which changed in 2019
2019 8.7.3.23.1 Hydraulic Jack. Where a hydraulic jack is installed, altered, or replaced, it shall conform to Section 3.18 **4 other codes in this section were revised in 2019 as well**

#73
2016 8.7.2.23.3 Cylinder Alteration Where a cylinder is installed, replaced, altered, or sleeved, it shall conform to 3.18.3. If the plunger is not equipped with a stop ring conforming to 3.18.4.1, the installation shall also conform to 3.18.1.2 and 3.18.2 **AND 3.19.4.1**
2016 3.19.4.1 Shutoff Valve READS AS FOLLOWS: A manually operated shutoff valve shall be provided between the hydraulic machines and the hydraulic jack and shall be located outside the hoistway and adjacent to the hydraulic machine.
2019 8.7.3.23.3 Cylinders. Where a cylinder is installed, replaced, altered, or sleeved, it shall conform to 3.18.3. If the plunger is not equipped with a stop ring conforming to 3.18.4.1, the installation shall also conform to 3.18.1.2 and 3.18.2. For inspection and test requirements, see 8.10.3.3.2(n).
2019 3.19.4.1 Shutoff Valve CHANGED TO READ AS FOLLOWS: A manually operated shut off valve shall be provided between the hydraulic machines and the hydraulic jack.

#74
2016 8.7 ALTERATIONS
2019 NO CHANGES

#75
2016 8.7.5.7 Special Purpose Personnel Elevators. Where any alteration is made to a special purpose personnel elevator, ~~the entire installation~~ "ONLY THE WORK CONTAINED" shall comply with Section 5.7.
2019 8.7.5.7 Special Purpose Personnel Elevators. WAS CHANGED TO READ AS FOLLOWS: Where any alteration is made to a special purpose personnel elevator, the alteration shall comply with 8.7.1 and, where applicable, 8.7.5.7.1 through 8.7.5.7.28.

#76
2016 8.10 ACCEPTANCE INSPECTIONS AND TESTS
2019 NO CHANGE WHERE (a) was added HOWEVER THAT ARE MANY CHANGES MADE IN 8.10

#80
2016 PART 9 REFERENCE CODES, STANDARDS, AND SPECIFICATIONS This Part covers the codes, standards, and specifications incorporated in this Code by reference and the specific editions that are applicable we added: AND CURRENTLY ADOPTED BY THE STATE OF INDIANA (see Section 9.1). This Part also lists the names and addresses of the organizations from which these documents may be procured (see Section 9.2). Only that portion of the code, standard, or specification as specified by the requirements in this Code is applicable.

2019 PART 9 REFERENCE CODES, STANDARDS, AND SPECIFICATIONS WAS CHANGED TO READ AS FOLLOWS: This Part covers the codes, standards, and specifications incorporated in this Code by reference and the specific editions that are applicable (see Section 9.1). Where "latest edition" is used, it shall mean the most recent edition in publication on the date this document is published. This Part also lists the names and addresses of the organizations from which these documents may be procured (see Section 9.2). Only that portion of the code, standard, or specification as specified by the requirements in this Code is applicable.

#82
2016 NONMANDATORY APPENDIX L
2019 NO CHANGES WERE MADE THIS PARTICULAR LOCATION

#83
2016 DOUG SUBMITTED THE MATRIX THAT PROVIDED ALL OF OUR RECOMMENDED CHANGES IN APPENDIX L.
2019 THERE ARE NUMEROUS CHANGES MADE TO "L" BUT AS NEAR IS I CAN TELL, NONE OF OUR PROPOSED CHANGES ARE AFFECTED IN THE 2019 CODE.

#84

2016 8.11.1.1.2 PERIODIC TESTS

2019 8.11.1.1.2 NO CHANGE MADE IN THIS PASSAGE, HOWEVER THAT WERE NUMEROUS CHANGES MADE TO OTHER SECTIONS OF PERIODIC TESTS IN 2019

2019 Changes + additions

Pink highlight

NONMANDATORY APPENDIX L
INDEX OF ALTERATION REQUIREMENTS FOR ELECTRIC ELEVATORS, HYDRAULIC ELEVATORS, ESCALATORS, AND MOVING WALKS

(19)

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Access, means of	8.7.2.7.3	8.7.2.7.2	...
Access doors and openings	8.7.2.7.3	8.7.2.7.3	8.7.6.1.14, 8.7.6.2.14
Access switch	8.7.2.11.4	8.7.3.11	...
Access to machine room and machinery spaces	8.7.2.7.2, 8.7.2.7.3	8.7.2.7.2, 8.7.2.7.3	...
Addition of elevator to existing hoistway	8.7.2.1.2	8.7.2.1.2	...
Alteration requirements	8.7.1.1	8.7.1.1	8.7.1.1
Alternating current, change to direct	8.7.2.27.3	8.7.3.31.4	...
Anticreep leveling device	...	8.7.3.31.3	...
Ascending car overspeed and unintended movement	8.7.2.20	...	...
Automatic stop valve	...	8.7.3.24	...
Automatic transfer device	8.7.7.2	8.7.7.2	...
Auxiliary power lowering operation	...	8.7.3.31.9	...
Balustrades	...	...	8.7.6.1.5(c), 8.7.6.2.5(c)
Beam, machinery and sheave	8.7.2.9	8.7.3.9	...
Brake	8.7.2.25.1	...	8.7.6.1.12(c), 8.7.6.2.12(c)
Buffer	8.7.2.23	8.7.3.27	...
Building structure	8.7.2.9	8.7.3.9	...
Bumper	8.7.2.23	8.7.3.27	...
Cable (suspension means)	8.7.2.21	8.7.3.25	...
Capacity	8.7.2.16	...	...
Car, decrease or increase in deadweight of	8.7.2.15.2	8.7.3.21	...
Car door or gate	8.7.2.14	8.7.3.13	...
Car enclosure	8.7.2.14	8.7.3.13.1	...
Car frame	8.7.2.15.1	8.7.3.14	...
Car-leveling device	8.7.2.27.2	8.7.3.31.2	...
Car platform	8.7.2.15.1	8.7.3.14	...
Car safeties	8.7.2.18	8.7.3.15	...
Check valve	...	8.7.3.24	...
Class of freight loading, change of	8.7.2.16.2	8.7.3.18	...
Clearance, after reroping	See 8.7.1.7	See 8.7.1.7	...
Clearance, bottom and top	8.7.2.4	8.7.3.4	...
Clearance, horizontal	8.7.2.5	8.7.3.5	...
Combplates	...	...	8.7.6.1.8, 8.7.6.2.8
Construction at bottom of hoistway	8.7.2.1.4	8.7.2.1.4	...
Construction at top of hoistway	8.7.2.1.3	8.7.2.1.3	...

Change word

Table continued

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Construction requirements (escalators and moving walks)	...	...	8.7.6.1.5, 8.7.6.2.5
Contact, mechanical lock and	8.7.2.11.2	8.7.3.11	...
Control, change in type of motion	8.7.2.27.5	8.7.3.31.6	...
Control, change in type of operation	8.7.2.27.6	8.7.3.31.7	...
Control equipment	8.7.2.27	8.7.3.31	...
Controller	8.7.2.27.4	8.7.3.31.5	8.7.6.1.16
Control of smoke and hot gas	8.7.2.1.5	8.7.2.1.5	...
Control valve	...	8.7.3.24	...
Counterweight	8.7.2.22	8.7.3.26	...
Counterweight, location and guarding of	8.7.2.3	8.7.3.3	...
Counterweight, rod type	8.7.2.22.2	...	...
Counterweight safeties	8.7.2.18	8.7.3.15	...
Cylinder	...	8.7.3.23.3	...
Data plate, Code	8.7.1.8	8.7.1.8	8.7.1.8
Deadweight of car, increase or decrease in	8.7.2.15.2	8.7.3.21	...
Decrease in travel	8.7.2.17.1	8.7.3.22.1	...
Design	8.7.1.5	8.7.1.5	8.7.1.5
Direct current, change to alternating	8.7.2.27.3	8.7.3.31.4	...
Door, car	8.7.2.14	8.7.3.13.2	...
Door, hoistway	8.7.2.10.1	8.7.3.10	...
Door, machine room	8.7.2.7.3	8.7.2.7.3	...
Door, power operation of	8.7.2.12	8.7.3.12	...
Door monitoring system	8.7.2.27.3	8.7.2.27.9	...
Doors, reopening device	8.7.2.13	8.7.3.13.2	...
Doors, restricted opening	8.7.2.11.5	8.7.2.11.5	...
Drive motor control, variable frequency	...	...	8.7.6.1.17, 8.7.6.2.16
Driving machine	8.7.2.25.1	8.7.3.23	...
Driving machine, change in location of	8.7.2.25.2	8.7.3.23.6	...
Duct in hoistway or machine room	8.7.2.8	8.7.3.8	...
Dumbwaiter, addition of automatic transfer device	8.7.7.2	8.7.7.2	...
Dumbwaiters with automatic transfer devices	8.7.7.3	8.7.7.3	...
Dumbwaiters without automatic transfer devices	8.7.7.1	8.7.7.1	...
Egress, escalator	...	8.7.6.1.15	...
Electrically operated control valve	...	8.7.3.24	...
Electrical protective devices	8.7.2.27.8	8.7.3.31.11	...
Electric contact, mechanical lock and	8.7.2.11.2	8.7.3.11	...
Electric wiring	8.7.2.8	8.7.3.8	8.7.6.1.14, 8.7.6.2.14
Elevators, mine	8.7.5.9	...	...
Emergency door	8.7.2.10.1	8.7.2.10.1	...
Emergency operation	8.7.2.28	8.7.3.31.8	...
Emergency signaling device	8.7.2.28	8.7.3.31.8	...
Enclosure, car	8.7.2.14	8.7.3.13.2	...
Enclosure, hoistway	8.7.2.1	8.7.3.1	...
Enclosure, machine room and machinery spaces	8.7.2.7	8.7.2.7	6.1.7, 6.2.7
Entrance, escalator and moving walk	...	...	8.7.6.1.15
Entrance, hoistway	8.7.2.10	8.7.3.10	...

Table continued

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Entrance, horizontal slide type	8.7.2.10.2	8.7.2.10.2	...
Entrance, swing type	8.7.2.10.4	8.7.2.10.4	...
Entrance, vertical slide type	8.7.2.10.3	8.7.2.10.3	...
Entrance assembly, marking of	8.7.2.10.5	8.7.2.10.5	...
Equipment, non-elevator	8.7.2.8	8.7.2.8	...
Fastening, suspension means	8.7.2.21	8.7.3.25	...
Final terminal stopping device	8.7.2.26	8.7.2.26	...
Firefighters' service	8.7.2.28	8.7.3.31.8	...
Fitting, hydraulic	...	8.7.3.24	...
Foundation, machine	8.7.2.9	8.7.3.9	...
Frame, car	8.7.2.15.1	8.7.3.14	...
Freight elevator changed to passenger service	8.7.2.16.1	8.7.3.17	...
Freight elevator, change in class of loading	8.7.2.16.2	8.7.3.18	...
Freight elevator permitted to carry passengers	8.7.2.16.3	8.7.3.19	...
Frequency, change in	8.7.2.27.3	8.7.3.31.4	...
Gate, car	8.7.2.14	8.7.3.13.2	...
General requirements	8.7.1	8.7.1	8.7.6.1.1, 8.7.6.2.1
Geometry	...	...	8.7.6.1.5(b), 8.7.6.2.5(b)
Governor	8.7.2.19	8.7.3.16	...
Governor rope	8.7.2.19	8.7.3.16	...
Guide rail	8.7.2.24	8.7.3.28	...
Guide shoe, car	8.7.2.15.1	8.7.3.14	...
Guide shoe, counterweight	8.7.2.22.3	8.7.3.26	...
Hand elevators	...	8.7.4.3	...
Handrails (escalators and moving walks)	...	...	8.7.6.1.6, 8.7.6.2.6
Headroom, machine room	8.7.2.7.4	8.7.2.7.4	...
Hoistway, addition of elevator to	8.7.2.1.2	8.7.2.1.2	...
Hoistway, construction at bottom of	8.7.2.1.4	8.7.2.1.4	...
Hoistway, construction at top of	8.7.2.1.3	8.7.2.1.3	...
Hoistway, protection of space below	8.7.2.6	8.7.3.6	...
Hoistway door, power operation of	8.7.2.12	8.7.3.12	...
Hoistway door interlocks	8.7.2.11.1	8.7.3.11	...
Hoistway door locking device	8.7.2.11.1, 8.7.2.11.2	8.7.3.11	...
Hoistway door unlocking device	8.7.2.11.4	8.7.3.11	...
Hoistway enclosure	8.7.2.1	8.7.3.1	...
Hoistway entrance	8.7.2.10	8.7.3.10	...
Horizontal slide-type entrance	8.7.2.10.2	8.7.2.10.2	...
Illumination in car	8.7.2.14.2	8.7.3.13.1	...
Inclination, angle of	...	...	8.7.6.1.5(a), 8.7.6.2.5(a)
Inclined elevators	8.7.5.1	8.7.5.1	...
Increase in deadweight of car	8.7.2.15.2	8.7.3.21	...
Increase in rated load	8.7.2.16.4	8.7.3.20	...
Increase in rated speed	8.7.2.17.2	8.7.3.22.2	...
Increase in travel	8.7.2.17.1	8.7.3.22.1	...
Increase in working pressure	...	8.7.3.23.4	...

Table continued

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Inspection	8.7.1.3	8.7.1.3	...
Interlock	8.7.2.11.1	8.7.3.11	...
Jack, hydraulic	...	8.7.3.23.1	...
Labeling of entrance assembly	8.7.2.10.5	8.7.2.10.5	...
Leveling device	8.7.2.27.2	8.7.3.31.2	...
Lighting in car	8.7.2.14.2	8.7.3.13.1	...
Lighting of escalator and moving walk	...	...	8.7.6.1.14, 8.7.6.2.14
Lighting of machine room	8.7.2.7.6	8.7.2.7.6	...
Load, increase in	8.7.2.16.4	8.7.3.20	...
Loading, change in class of	8.7.2.16.2	8.7.3.18	...
Location of driving machine, change of	8.7.2.25.2	8.7.3.23.6	...
Location of hydraulic jack, change of	...	8.7.3.23.5	...
Location of hydraulic machine (power unit), change of	...	8.7.3.23.6	...
Lock and contact	8.7.2.11.2	8.7.3.11	...
Locking device, hoistway door	8.7.2.11.1, 8.7.2.11.2	8.7.3.11	...
Machine room	8.7.2.7	8.7.3.7	...
Machinery and equipment	8.7.2	8.7.3	8.7.6.1.12, 8.7.6.2.12
Machinery space	8.7.2.7	8.7.3.7	...
Marking of entrance assembly	8.7.2.10.5	8.7.2.10.5	...
Material lift with automatic transfer device	8.7.7.3	8.7.7.3	...
Material lift without automatic transfer device	8.7.7.1	8.7.7.1	...
Means of access to machine room	8.7.2.7.2	8.7.2.7.2	...
Mechanical lock and electric contact	8.7.2.11.2	8.7.3.11	...
Mechanically operated control valve	...	8.7.3.24	...
Mine elevators	8.7.5.9	...	...
Motion control, change of	8.7.2.27.5	8.7.3.31.6	...
Moving walks	...	...	8.7.6.2
Normal terminal stopping device	8.7.2.26	8.7.3.30	...
Number of elevators per hoistway	8.7.2.1.2	8.7.2.1.2	...
Oil buffer	8.7.2.23	8.7.3.27	...
Operating device	8.7.2.27	8.7.3.31	8.7.6.1.13
Operating device, top of car	8.7.2.27.1	8.7.3.31.1	...
Operation control, change in type of	8.7.2.27.6	8.7.3.31.7	...
Outside emergency elevators	8.7.5.10	8.7.5.10	...
Parking device	8.7.2.11.3	8.7.3.11	...
Passenger elevator changed to freight service	8.7.2.16.1	8.7.3.17	...
Passengers, carrying of on freight elevators	8.7.2.16.3	8.7.3.19	...
Phase I and Phase II operation	8.7.2.28	8.7.3.31.8	...
Phases, change in number of	8.7.2.27.3	8.7.3.31.4	...
Pipe in hoistway or machine room	8.7.2.8	8.7.3.8	...
Piping supply	...	8.7.3.24	...
Piston	...	8.7.3.23.2	...
Pit	8.7.2.2	8.7.3.2	...

Table continued

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Platform, car	8.7.2.15.1	8.7.3.14	...
Plunger	...	8.7.3.23.2	...
Power operation of hoistway door	8.7.2.12	8.7.3.12	...
Power supply, change in	8.7.2.27.3	8.7.3.31.4	...
Power unit (hydraulic machine)	...	8.7.3.23.6	...
Pressure, working, increase of	...	8.7.3.23.4	...
Pressure tank	...	8.7.3.29	...
Pressurization of hoistway	8.7.2.1.5	8.7.3.1	...
Private residence	8.7.5.4	8.7.5.4	...
Protection of floor openings	...	...	8.7.6.1.3, 8.7.6.2.3
Protection of space below hoistway	8.7.2.6	8.7.3.6	...
Protection of truss and machinery spaces against fire	...	...	8.7.6.1.4, 8.7.6.2.4
Rack and pinion	8.7.4.1	...	...
Rated load, increase in	8.7.2.16.4	8.7.3.20	8.7.6.1.11, 8.7.6.2.11
Rated speed, decrease in	8.7.2.17.3	8.7.3.22.3	...
Rated speed, increase in	8.7.2.17.2	8.7.3.22.2	...
Relief valve	...	8.7.3.24	...
Relocation of escalator	...	...	8.7.6.1.2
Relocation of hydraulic machine	...	8.7.3.23.6	...
Relocation of moving walk	...	...	8.7.6.2.2
Repair	See 8.7.1.7	See 8.7.1.7	...
Replacement	See 8.7.1.7	See 8.7.1.7	See 8.7.1.7
Residence, private	8.7.5.4	8.7.5.4	...
Restricted opening of doors	8.7.2.11.5	8.7.2.11.5	...
Rise, increase or decrease in	8.7.2.17.1	8.7.3.22.1	...
Roller guide shoe, counterweight	8.7.2.22.3	8.7.2.22	...
Rooftop elevators	8.7.5.6	8.7.5.6	...
* Rope, governor	8.7.2.19	8.7.3.16	...
Rope, replacement of	See 8.7.1.7	See 8.7.1.7	...
Rope, splicing of	See 8.7.1.7	See 8.7.1.7	...
* Runby	8.7.2.4	8.7.3.4	...
Runby, after reroping	8.7.2.4	8.7.3.4	...
Safeties	8.7.2.18	8.7.3.15	...
Safety devices	...	...	8.7.6.1.13, 8.7.6.2.13
Screw-column elevators	8.7.4.2	...	...
Service, change in type of	8.7.2.16.1	8.7.3.17	...
Sheave, driving machine	8.7.2.25.1	8.7.2.25.1	...
Sheave, governor	8.7.2.19	8.7.2.19	...
Sheave beam	8.7.2.9	8.7.3.9	...
Shipboard elevators	8.7.5.8	...	...
Shortening of suspension rope	See 8.7.1.7	See 8.7.1.7	...
Sidewalk elevators	8.7.5.5	8.7.5.5	...
Signaling device	8.7.2.28	8.7.3.31.8	...
SIL rated device(s)	8.7.1.9	8.7.1.9	...
Skirt deflectors, escalator	...	...	8.7.6.1.5(d)
Skylight in machine room	8.7.2.7.5	8.7.3.7	...
Sleeving	...	8.7.3.23.3	...

Table continued

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Smoke, control of	8.7.2.1.5	8.7.2.1.5	...
Special purpose elevators	8.7.5.7	...	...
Speed, increase in	8.7.2.17.2	8.7.3.22.2	...
Speed governor	8.7.2.19	8.7.3.16	...
Speed variation, escalator, addition of	...	...	8.7.6.1.18
Speed variation, moving walk, adddition of	...	...	8.7.6.2.17
Spring buffer	8.7.2.23	8.7.3.27	...
Step system	...	...	8.7.6.1.7
Stopping device, terminal	8.7.2.26	8.7.3.30	...
Stop switch, in-car	8.7.2.27.7	8.7.3.31.10	...
Stop valve	...	8.7.3.24	...
Storage and discharge tank	...	8.7.3.29	...
Supply piping	...	8.7.3.24	...
Support, machinery	8.7.2.9	8.7.3.9	...
Suspension means	8.7.2.21.1	8.7.3.25	...
Suspension means, change in material, grade, number, or diameter	8.7.2.21.1	8.7.3.25.1	...
Suspension means, replacement	8.7.2.21.1	8.7.3.25	...
Suspension means monitoring and protection	8.7.2.21.4	...	...
Suspension member equalizer	8.7.2.21.3	8.7.3.25.2	...
Suspension rope, replacement of	See 8.7.1.7	See 8.7.1.7	...
Suspension rope, splicing of	See 8.7.1.7	See 8.7.1.7	...
Swing-type entrance	8.7.2.10.4	8.7.2.10.4	...
Tank	...	8.7.3.29	...
Temporary wiring	8.7.1.6	8.7.1.6	8.7.1.6
Terminal stopping device	8.7.2.26	8.7.3.30	...
Testing	8.7.1.3	8.7.1.3	8.7.1.3
Top-of-car operating device	8.7.2.27.1	8.7.3.31.1	...
Top-of-car railing, addition	8.7.2.14.5	...	...
Track system	...	...	8.7.6.1.10, 8.7.6.2.10
Transfer devices, automatic	8.7.7.2	8.7.7.2	...
Travel, increase or decrease in	8.7.2.17.1	8.7.3.22.1	...
Treadway system	...	...	8.7.6.2.7
Truck-zoning device	8.7.2.27.2	8.7.3.31.2	...
Trusses and girders	...	...	8.7.6.1.9, 8.7.6.2.9
Type of operation, change in	8.7.2.27.6	8.7.3.31.7	...
Type of service, change in	8.7.2.16.1	...	...
Unlocking device, hoistway door	8.7.2.11.4	8.7.3.11	...
Valve	...	8.7.3.24	...
Variable-frequency drive motor control	...	...	8.7.6.1.17, 8.7.6.2.16
Ventilation of machine room	8.7.2.7.7	8.7.2.7.7	...
Vertical slide-type entrance	8.7.2.10.3	8.7.2.10.3	...
Voltage, change in	8.7.2.27.3	8.7.3.31.4	...
Walls, hoistway enclosure	8.7.2.1.1	8.7.3.1	...
Welding	8.7.1.4, Section 8.8	8.7.1.4, Section 8.8	8.7.1.4, Section 8.8

Table continued

Item	Electric Elevators	Hydraulic Elevators	Escalators and Moving Walks
Window in machine room	8.7.2.7.5	8.7.2.7.5	...
Wiring	8.7.2.8	8.7.3.8	...
Wiring, temporary	8.7.1.6	8.7.1.6	8.7.1.6
Working pressure, increase in	...	8.7.3.23.4	...