



WRITTEN MAINTENANCE CONTROL PROGRAM

HYDRAULIC ELEVATOR

OWNER ID:

STATE OR GOVERNMENT ID:

DESIGNED TO ASSIST WITH COMPLIANCE WITH

ASME A17.1-2010 / CSA B44-10

REQUIREMENT 8.6.1.2.1

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ABOUT THIS FORM: This form is specifically designed for use by authorized Elevator Service Providers and / or other authorized persons responsible for creating a Maintenance Control Program (MCP) as prescribed by Section 8.6, Requirement 8.6.1.2.1 of the ASME A17.1-2010 / CSA B44-10 Elevator and Escalator Safety Code. Requirements for Hydraulic Elevators are referenced in this form and have been re-printed by permission of the American Society of Mechanical Engineers, all rights reserved.

This form simplifies the process of creating a WMCP by using fill-able "form fields" that are associated with each Requirement. Page 1 of this form is designed for the user to insert the Equipment information, the Owner information, information, the Elevator Service Company information and all relevant data applicable to the elevator equipment for which this form is created. In addition to the sub-sections contained in Section 8.6, this form includes a blank task log that can be used to enter the dates that specific tasks are performed. Also included is a Section that provides detailed assistance and samples of the many Data Plates and Data Tags, required for overall code compliance.

FILLABLE FORMS:

MCP REQUIREMENTS WITH BLANK FORM FIELDS. TASKS AND PROCEDURES ARE TYPED INTO THE FORM FIELDS.

SPECIFIC TASKS ARE TYPED INTO THE FORM FIELDS FOLLOWING EACH 8.6 REQUIREMENT.

After completing this form, the entire form can be printed and kept at a specific location, as required by Requirement 8.6.1.2.1(b). As conditions change or Additional Information: becomes applicable with this elevator equipment, individual pages can be revised, and inserted into the existing WMCP form.

Each WMCP Form is based on a specific type of equipment, i.e. the E-100 form is designed only for Electric Elevators, the H-200 Form is designed only for Hydraulic Elevators, etc. Each WMCP Form can be used an unlimited number of times to create a MCP for each elevator serviced.

For more information visit www.info@elevatormcp.com. Vertical Assistance LLC. P.O. Box 604 Kenton, OH 43326

WRITTEN MAINTENANCE CONTROL PROGRAM

HYDRAULIC ELEVATOR

DATE:
ELEVATOR STATE OR GOVERNMENT ID:
ELEVATOR SERIAL NUMBER:
SERVICE COMPANY ELEVATOR ID:

FIRST REVISION DATE:

ELEVATOR OWNER ID:
LOCATION OF UNIT:

ELEVATOR TYPE: PASSENGER FREIGHT OTHER:

ELEVATOR SPEED: FPM ELEVATOR CAPACITY: LBS

ORIGINAL MANUFACTURER:
YEAR OF ORIGINAL INSTALL: MONTH OF ORIGINAL INSTALL: UNKNOWN

ALTERATION(S) PERFORMED: YES NO UNKNOWN
TYPE OF ALTERATION:
1. YEAR:
2. YEAR:
3. YEAR:

ADDITIONAL ALTERATION INFORMATION:

BUILDING NAME:
OWNER NAME:
OWNER ADDRESS (STREET):
CITY: STATE:

PRIMARY CONTACT PERSON NAME:

JOB TITLE: CONTACT INFORMATION:

CURRENT ELEVATOR SERVICE CONTRACTOR INFORMATION:

SERVICE COMPANY:

BUSINESS ADDRESS:

CONTACT PHONE NUMBER(S):

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8.6.1.2 GENERAL MAINTENANCE REQUIREMENTS

Requirement 8.6.1.2.1 This written Maintenance Control Program is in place to maintain the equipment in compliance with Section 8.6 of the ASME A17.1 2010 Elevator and Escalator Safety Code.

Requirement 8.6.1.2.1(a) At a minimum, this Maintenance Control Program consists of:

to ensure that the equipment conforms to the requirements of Section 8.6. The maintenance procedures and intervals for this elevator equipment are based on:

- (a) the age, condition, accumulated wear
- (b) design and inherent quality of the equipment
- (c) equipment usage
- (d) environmental conditions
- (e) improved technology
- (f) the manufacturer's recommendations for any SIL (Safety Integrity Level) rated devices or circuits

Comments regarding (a) thru (f) above:

Requirement 8.6.1.2.1 (a) (2): Applicable components are cleaned, lubricated and adjusted at regular intervals and worn or defective components are repaired or replaced where necessary to maintain this elevator equipment in compliance with the requirements of Section 8.6.

Requirement 8.6.1.2.1 (a) (3) Tests of this elevator equipment are performed at scheduled intervals (Ref: 8.6.1.7) to ensure the installation conforms to the requirements of Section 8.6.

Requirement 8.6.1.2.1(a)(4) This Maintenance Control Program consists of all Code required written procedures, (e.g., Check out, Inspection, Testing and Maintenance).

Requirement 8.6.1.2.1 (b): The instructions for locating this WMCP are located in or on the controller, including instructions on how to report any corrective action that might be necessary to the responsible party.

Requirement 8.6.1.2.1 (c): The Maintenance Records required by Requirement 8.6.1.4 are located:

Requirement 8.6.1.2.1 (d): This MCP is accessible to elevator personnel and documents compliance with Section 8.6.

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WRITTEN MAINTENANCE CONTROL PROGRAM FOR ELEVATOR:

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Requirement 8.6.1.2.1 (e): Procedures for tests, periodic inspections, maintenance, replacements, adjustments and repairs for all SIL rated E/E/PES electrical protective devices and circuits are incorporated into and made part of this MCP.

Requirement 8.6.1.2.1 (f): Where unique or product-specific procedures or methods are required to inspect or test this elevator equipment, such procedures or methods are included in this WMCP.

Requirement 8.6.1.2.2 Where a defective part directly affecting the safety of the operation is identified, this elevator equipment will be taken out of service until the defective part has been adjusted, repaired, or replaced.

Per Requirement 8.6.1.3 Maintenance Personnel. Maintenance, repairs, and replacements for this unit will only be performed by elevator personnel.

Comments regarding 8.6.1.2, General Maintenance Requirements:

8.6.1.4 MAINTENANCE RECORDS

Requirement 8.6.1.4.1 Maintenance records for this elevator equipment document compliance with Section 8.6 and include records of the following activities:

(a) A description of maintenance task performed and dates.

(b) Descriptions and dates of examinations, tests, adjustments, repairs, and replacements.

(c) Descriptions and dates of call backs (trouble calls) or reports that are reported to elevator personnel by any means, including corrective action taken.

Requirement 8.6.1.4.1(d) A written record of the findings on the firefighters emergency operation required by 8.6.11.1.

Requirement 8.6.1.4.2 Record Availability The maintenance records for this elevator equipment are available to the elevator personnel.

Comments regarding 8.6.1.4, Maintenance Records:

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8.6.1.5 CODE DATA PLATE

Requirement 8.6.1.5.1 The Code Data Plate on this elevator complies with Section 8.9.

Requirement 8.6.1.7.2 Periodic Test Tags. A metal tag with the applicable code requirement(s) and date(s) performed, and the name of the person or firm performing the test(s), will be installed, readily visible and securely attached to the controller this elevator equipment for all periodic tests.

Comments regarding 8.6.1.5, Code Data Plate and Test Tags:

8.6.1.6 GENERAL MAINTENANCE METHODS AND PROCEDURES

Requirement 8.6.1.6.1 Making Safety Devices Inoperative or Ineffective. No person will at any time make inoperative or ineffective any device on which the safety of users of this elevator is dependent, including any electrical protective devices, except where necessary during tests, inspections, maintenance, repair and replacement, provided that this elevator equipment is first removed from normal operation.

Devices made inoperative during tests, inspections, maintenance repair and replacement will be restored to their normal operating condition in conformity with the applicable requirements prior to returning the equipment to service.

Requirement 8.6.1.6.2 Lubrication. Lubrication of this elevator equipment will be lubricated with lubricants equivalent to the type and grade recommended by the manufacturer.

Excess lubricants will be cleaned from the equipment.

Containers used to catch lubricant leakage will not be allowed to overflow.

Requirement 8.6.1.6.3 Controllers, Wiring and Wiring Diagrams

Requirement 8.6.1.6.3 (a) Up-to-date wiring diagrams detailing circuits of all electrical protective devices and critical operating circuits are available in:

The machinery Space The Machine Room The Control Space The Control Room
Other Location:

Requirement 8.6.1.6.3 (b) The interior of the controller(s) and their components are cleaned when necessary to minimize the accumulation of foreign matter that can interfere with the operation of the equipment.

Requirement 8.6.1.6.3 (c) Temporary wiring and insulators or blocks in the armatures or poles of magnetically operated switches, contactors, or relays are not installed when this elevator is in normal operation.

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8.6.5.14.3(i) / 8.6.5.12 The anticreep and low oil protection shall be tested for conformance with the applicable codes.
TEST PROCEDURES:

Requirement 8.6.5.14.4 Flexible hose and fitting assemblies will be tested at the relief valve setting pressure for a minimum of 30 seconds. N/A

Any sign of leakage, slippage of hose fittings, damage to outer hose covering sufficient to expose reinforcement, or bulging, or distortions of the hose body will be cause for replacement. N/A

TEST PROCEDURES:

Requirement 8.6.5.14.5 The pressure switch and its related circuits on this elevator equipment will be tested for conformance with applicable requirements (Ref. 3.26.8 and Item 2.37). N/A

TEST PROCEDURES:

Requirement 8.6.5.14.6 The closing forces and speed of the power-operated hoistway door systems will be tested to determine conformance with the applicable requirements (Ref. Item 1.8.2).

The time in the door code zone distance will be measured and compared with the time specified on the data plate.

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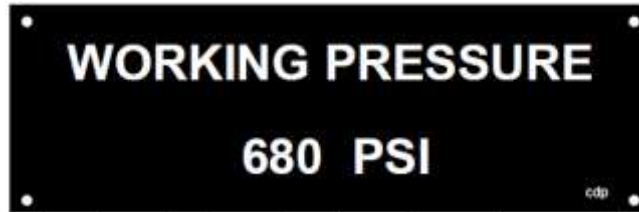
STATE OR GOVERNMENT ID:

OWNER ID:

CodeDataPlate.com

WORKING PRESSURE TAG

2.31.2.2
Working Pressure Tag

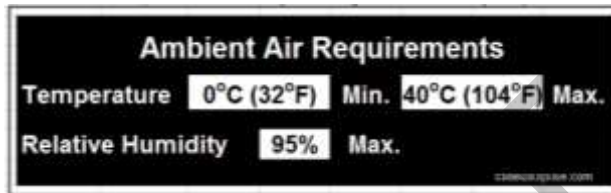


Installed:
YES NO N/A

CodeDataPlate.com

TEMPERATURE AND HUMIDITY TAG

2.7.9.2
Temperature and Humidity Tag



Installed:
YES NO N/A

CodeDataPlate.com

BUFFER TAG

2.22.3.3
Buffer Marking Plate

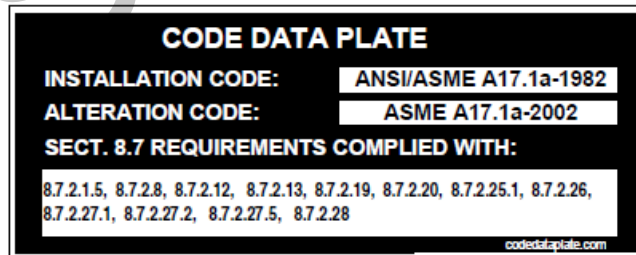


Installed:
YES NO N/A

CodeDataPlate.com

ALTERATION TAG

8.7.1.8 / 8.6.1.5.1 / 8.9.1
Alteration Data Tag



Installed:
YES NO N/A

Note 1: Sample plates shown do not represent all Plates, Tags and Signage that may be required.

Note 2: Sample plates shown may or may not be required. Current adopted code edition and local jurisdiction requirements apply.

MCP MAINTENANCE TASK LOG FOR HYDRAULIC ELEVATORS

STATE OR GOVERNMENT ID:

OWNER ID:

	NOT APPLICABLE	JANUARY	FEBUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
CAR													
8.6.4.13 (b) car door electric contacts or car door interlocks													
8.6.4.13 (c) door reopening devices													
8.6.4.13.2 Kinetic Energy and Closing Force													
8.6.4.15 Car Emergency System													
8.6.4.16 Stopping Accuracy													
Other:													
Other:													
Other:													
CAR TOP													
8.6.4.9 Cleaning of Top of Cars.													
8.6.4.3 Lubrication of Guide Rails													
8.6.4.7 Cleaning of Hoistways													
8.6.4.13 (a) HW door interlocks or mechanical locks & elec. contacts													
8.6.4.13(e) HW door unlocking devices and escutcheons													
8.6.4.13 (f) hangers, tracks, rollers, up-thrusts & door safety retainers													
8.6.4.13 (j) interconnecting means													
8.6.4.13 (k) door closers													
8.6.4.13 (l) door restrictors													
Other:													