



Motion Control Engineering
 Voice: 916 463 9200
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Hydraulic Elevator Data Forms

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Doc #: JER032 0309
 www.mceinc.com

LOGISTICS DATA

In order to better serve you and meet your schedule, this form must be completed and signed. Timely delivery and trouble-free installation begin with these data forms. Accurate, complete information is essential. Non-response to a question will be defined as meaning that the item does not apply.

Date:	Number of cars:
Job Name (please do not abbreviate):	
Job Location (city and state):	
Contract Date:	
Project Type: <input type="checkbox"/> New construction <input type="checkbox"/> Modernization	
<input type="checkbox"/> Job has Specifications <input type="checkbox"/> Specifications being sent to MCE Please send a copy of job specifications to MCE.	
Customer Job #:	PO#:

Delivery Schedule

Control	Delivery Date
Car	
Car	
Car	
Car	
Group	

Shipping Information

Contact:		
Phone:	Fax:	
Company name and address:		
City	State	Zip Code
Notice required: <input type="checkbox"/> 24 hours <input type="checkbox"/> 48 hours Other:		
<input type="checkbox"/> Check if lift gate truck needed		

Contractor Information Check if same as above

Contact:		
Phone:	Fax:	
Email:		
Company name and address:		
City	State	Zip Code

Consultant (leave blank if none)

Contact:	
Phone:	Fax:
Email:	
Company name:	

Elevator Safety Code Compliance

Accurate information is essential.

U.S. compliance

ASME A17.1-	<input type="checkbox"/> 2007	<input type="checkbox"/> 2005	<input type="checkbox"/> 2004	<input type="checkbox"/> 2000
<input type="checkbox"/> ASME A17.1-1996/98				
<input type="checkbox"/> ASME A17.1- Specify code & addenda.				

International compliance

<input type="checkbox"/> Australia AS 1735			
<input type="checkbox"/> Canada	<input type="checkbox"/> B44-07	<input type="checkbox"/> B44-04	<input type="checkbox"/> B44-00
<input type="checkbox"/> Other (Specify):			

Additional state or local code compliance

<input type="checkbox"/> California medical facility OSHPD Seismic Certification (additional charge for certified cabinet)	
<input type="checkbox"/> Chicago	
<input type="checkbox"/> Denver	<input type="checkbox"/> Pressurized hoistway
<input type="checkbox"/> GSA	
<input type="checkbox"/> Houston – Existing Door Reopen Button, Fire Phase I	
<input type="checkbox"/> Michigan	<input type="checkbox"/> Nebraska
<input type="checkbox"/> New York City	<input type="checkbox"/> Other:

Additional Compliance Requirements? Explain:

Per state tax laws, it is critical that MCE receive exemption or resale certificates prior to the material being shipped and billed. If the job is a tax exempt job, send the exemption certificate with this form. If you are a resale customer and have a resale certificate, please make sure that the MCE accounting department has a copy on file.

Form Completed By

Name/Title:	
Phone:	Fax:
Cell:	
Email:	
Company name:	
Signature:	



Enclosures

Machine room NEMA rating: 1(std) 12 4 4X

Air conditioned enclosure (recommended for all but NEMA 1)
 Hinged enclosure (additional charge)
 GFCI outlet and light required in enclosure (added charge)
 Machine room space limitations?

Indicate maximum space available for enclosure. Otherwise, MCE will select the enclosure based on job requirements. (Consider also limitations of entry halls and doors.)
 _____ H x _____ W x _____ D

Type of Operation

Simplex

Parking Floor: _____ Floor Label: _____
 If no parking floor, car stays at last call answered.

Selective collective
(intermediate floors have two call buttons in hall)

SAPB Single Automatic Pushbutton
(intermediate floors have one call button in hall)

SBC Single Button Collective
(intermediate floors have one call button in hall)

Duplex or Group
(provide hoistway and machine room drawings)

Duplex Selective Collective
 Group Operation
 Number of hall call risers per floor:
 First Parking Floor: _____ Floor Label: _____
 Second Parking Floor: _____ Floor Label: _____
 Third Parking Floor: _____ Floor Label: _____
 First free car will park at **First Parking** floor.
 Second free car will park at **Second Parking** floor, etc.
 If no parking floors, cars stay at last call answered floor.

Swing Car Operation Car(s): _____
 Please describe in special instructions on next page.

Cross Cancellation Panel (existing must be relay logic)
 Existing hall P/B schematics are required.

Cross Registration
 Existing hall P/B schematics are required.

Fire Service Operation

Fire Service Phase I

Fire Service Phase II

Main Landing #: _____ Floor Label: _____
 Doors will open: Front Rear

Alternate Landing #: _____ Floor Label: _____
 Doors will open: Front Rear

Additional Fire Phase I main return switch:
 Switch location: Landing #: _____ Floor Label: _____

"Master Fire Service" switch (Chicago only)

Shunt trip delay by MCE – permitted only in certain regions or on Federal jobs. Provide operating details:

Monitoring

mView complete in machine room
 mView interface only to allow future connection

iMonitor / iReport, machine room or remote
 iMon/Report interface only to allow future connection

IDS Liftnet interface

Operating Features

Attendant Service
 Annunciator Panel in car

Car-to-Lobby Lobby/Floor switch
 Location: Car Hall Remote Panel
 Park with doors: Open
 Closed (not recommended if in-car switch)

Return Landing#: _____ Floor Label: _____

Earthquake Service

Emergency Power Generator: (not battery lowering)
 Generator voltage same as line voltage? Yes No
 Does same generator power other cars? Yes No
 Number of cars to run at a time: 1 2 3 :

Emer pwr contacts during normal pwr: Open Closed

Power pre-transfer contact – 10 sec minimum

Manual Select Switch
 Number of positions: _____ Labels: _____

Hoistway Access Operation (select switch style below)
 Standard design is top and bottom landings/front doors. If front doors are not available, rear doors will be used. If different configuration required, provide special instructions.

In-Car Inspection switch (select switch style below)
 Using top/bottom car calls or up/down buttons.

Select In-Car Access & Inspection Switch Style
 Only for ASME A17.1-2000/CSA B44-00 or later
 2-Position (indicate) 3-Position

<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
ACCESS		INSPECTION		NORMAL	
NORMAL		NORMAL		ACCESS	
Requires Access		Requires Inspection		Requires Access & Inspt	

Hospital Service (Code Blue):
 Landing #s: _____ Floor labels: _____

Emergency Medical Technician Service (EMT)
 Landing #: _____ Floor label: _____

Independent Service
 Pre-test switch in Controller

Fan / Light Timer Option
 Turns off in-car fan and light after period of inactivity.

Security

Call enable
 Car: Key Card Reader – dry contact
 Hall: Key Card Reader – dry contact
 Car Call Card Reader Override Switch

Car call code security: (enter security code using car call buttons)
 MCE Basic with: mView Key on/off switch
 MCE ACE (requires mView)

Bypass Security: (Fire service bypass is standard)
 Independent Service Attendant Service
 Other Specify: _____

Other security: Complete special instructions on next page.



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HYDRAULIC DATA

Line Voltage (actual measured line voltage) Choose closest selection below.

- 600 575 480 460 440 415
 380 240 230 220 208 200
 115 Other:

- AC 3 Phase (standard) AC 2 Phase AC Single Phase

- 60 Hz (standard in U.S.) 50 Hz

Motor Starting (All MCE starters include Reverse Phase Sensor)

- Solid State 3/9 Lead Motor
 6/12 Lead Motor (standard)

WYE-DELTA

ATL (Across the Line)

Customer supplied starter
(Interface charges apply. Indicate type of starter above.)

Brand: _____ Model: _____

Remote

In MCE controller

MCE to install (customer shipping to MCE)

Customer to install (provide location/dimension sketch)

Additional charges will apply if coil voltage other than 120VAC.

Features

Pressure Switch Interface
(required when top of cylinder above top of storage tank)

Load Weighing
(Discrete oil pressure switches for load weighing.)

Viscosity Control

Low Oil Switch

Resynchronous circuit for telescopic or dual pistons

Roped Hydro

Governor Set (electrical schematic required)

Governor Set/Reset (electrical schematic required)

Life Jacket Interface

Battery Powered Lowering

By MCE

Other: _____ (electrical schematic required)

Sketch or Special Instructions

Hydraulic Data

Pump Motor(s)

New by MCE (Complete pump unit data form)

New Existing

HP: _____ Motor brand: _____

Full load amps (MCE will estimate if blank):

Starts per hour: 80 (std) 120 (requires larger starter)

Multiple Motors (complete only for 2 or more motors)

Number of motors: 2 3 4

Number of disconnects: 1 2 3 4

Starting: Sequential (recommended) Simultaneous

Single motor operation if abnormal conditions

Valve(s)

Brand Maxton Blain EECO

TKE/Dover Bucher (Beringer)

Other (specify): _____

Model: _____

Number of valves: 1 (standard) 2 3 4

Coils per valve: 1 2 3 4 (standard) 5

Voltage: 120VAC (standard)

Other (additional charge): V= _____



DOOR DATA

Car Door/Gate

- Automatic passenger style doors
- Powered freight style doors
- Manual doors
- Other:

Hoistway Doors

- Automatic passenger style doors
 - Powered freight style doors
 - Manual doors (complete below)
 - Other: _____ (complete below)
- Interlocks:
- Closed contact Yes No
- Locked contact Yes No
- Door locking cam
- Retiring (not driven by automatic passenger style car gate)
 - Voltage: 3-Ph AC 1-Ph AC DC
 - Fuse: 2A 3A Other:
 - Fixed cam
 - Bar lock (manually operated)
 - Driven by automatic passenger style car gate

Door Features

- Infrared detector unit/photo eye – includes nudging
 - Cut-out switch in COP
 - Anti-Nuisance
- Mechanical safety edge – includes nudging
- Door Hold Operation (non-fire operation)
 - Switch Button (max hold = 120 seconds)
- Heavy doors at landings (list landings):
- Dual door operators on same side for wide opening
- Cartop door open/close buttons

Sketch or Special Instructions

Automatic Passenger Style Doors

MCE

- SmarTraq Complete (Complete SmarTraq data forms)
- SmarTraq Upgrade
(Upgrades existing operator to closed loop. Mark existing model below.)

GAL

<input type="checkbox"/> MOVFR I	<input type="checkbox"/> MOM/MOH
<input type="checkbox"/> MOVFR II	<input type="checkbox"/> MOMVC/MOHVC
<input type="checkbox"/> MOD (230V)	<input type="checkbox"/> MOSVCL
<input type="checkbox"/> MOD (115V)	<input type="checkbox"/> MOPM-P/MOPM-PL
<input type="checkbox"/> MODHA	<input type="checkbox"/> MOCT/MOCTA/MODCT/MOMCT/MOHCT

Motor Voltage: 220 110
Logic Voltage: 220 110

MAC/Kone

- PM-SSC/104 Board MAC (old style)
- AMD/Kone

TKE/Dover

- HD03 HDLM HD68/70/73/91
- HD98/85 (Requires SmarTraq upgrade kit)

Otis

<input type="checkbox"/> 6970A – Resistance	<input type="checkbox"/> 6970A – Reactance
<input type="checkbox"/> 7300	<input type="checkbox"/> A7770A
<input type="checkbox"/> 7782AA	<input type="checkbox"/> OVL
<input type="checkbox"/> iMotion 1 & 2	<input type="checkbox"/> AT400

ECI

- 895/1000 2000

Other

- IPC Encore (closed loop) Mitsubishi LV1/4K
- Delco (closed loop) Schindler QKS 14 & 15
- Atlantic/Vertisys Model:
- Other (wiring diagram required):

Powered Freight Style Doors

Door Controller Model

Peelle New Model: _____
 Existing (electrical schematic required)

Courion New Model: _____
 Existing (electrical schematic required)

EMS New Existing
(electrical schematic required)

Other New Existing
Model: _____
(electrical schematic required)

Door Operation (freight only)

Opening: Automatic Momentary pressure

Closing: Automatic Momentary pressure
 Constant pressure

Fire Phase I Closing: Automatic Momentary pressure
 Constant pressure



FIXTURES

Serial COP (All fixtures must be 24 VDC)

Auxiliary Car Station

Hand-held programming unit (optional, needs Serial COP)
 Number of units: _____

Car Calls
 Voltage: 24 48 120 Other: _____
 AC DC
 Type: LED Incandescent

Hall Calls
 Voltage: 24 48 120 Other: _____
 AC DC
 Type: LED Incandescent

Position Indicators

Car
 MCE CE 3-wire driver board (built into controller)
 MCE E-Motive 3-wire driver board (built into controller)
 Discrete signals (Multi-Light or non-3 wire digital)
 *Provide information below:
 Voltage: 24 48 120 Other: _____
 AC DC (+ common) DC (- common)
 Type: Multi-light
 Digital (not MCE Driver board)
 One line per floor
 Binary code begins at landing 1
 00 01

Hall
 Location: All floors Main fire return Other:
 MCE CE 3-wire driver board (built into controller)
 MCE E-Motive 3-wire driver board (built into controller)
 Discrete signals (Multi-Light or non-3 wire digital)
 *Provide information below:
 Voltage: 24 48 120 Other: _____
 AC DC (+ common) DC (- common)
 Type: Multi-light
 Digital (not MCE Driver board)
 One line per floor
 Binary code begins at landing 1
 00 01

Voice annunciation
 MCE CE 3-wire driver board interface (built into controller)
 MCE E-Motive 3-wire driver board interface (built into controller)
 Other: _____

Lanterns:

Car lanterns
 Voltage: 24 48 120 Other: _____
 AC DC
 Type: Chime Gong

Hall Lanterns
 Voltage: 24 48 120 Other: _____
 AC DC
 Type: Chime Gong

Passing floor signal
 MCE CE 3-wire driver board (built into controller)
 MCE E-Motive 3-wire driver board (built into controller)
 Discrete signals
 Voltage: 24 48 120 Other: _____
 AC DC
 Type: Chime Gong
 Passing floor enable ("s" button)

Status Indicators

Type	Volts	AC	DC
Attendant Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Attendant Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Call Registration Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Door Closing Buzzer (typically freight only)	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Door Hold Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Door Left Open Bell	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
EMT Service Light, Car	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
EMT Service Light, Hall	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Fire Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Fire Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Hospital Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Hospital Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
In-Service Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
In-Use Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Load Status Light	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Nudging Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>

Special Instructions



Floor Label*	Landing #	Floor Height	Car		Car		Car		Car	
			F	R	F	R	F	R	F	R
			Check front and rear floor openings below							
	16	overhead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	15	15-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	14	14-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	13	13-14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	12-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	11	11-12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	10	10-11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	9	9-10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8	8-9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7	7-8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	6	6-7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5	5-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4	4-5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3	3-4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	2-3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1	1-2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Pit								
Capacity: <input type="checkbox"/> lbs <input type="checkbox"/> kg										
Up Speed: <input type="checkbox"/> fpm <input type="checkbox"/> m/s										
Down Speed: <input type="checkbox"/> fpm <input type="checkbox"/> m/s										
Total Travel: <input type="checkbox"/> ft <input type="checkbox"/> m										

* Floor Label note: If using CE or E-Motive driver board, floor label should not be more characters than the number of digital PI display characters (BBB)

Hoistway NEMA Rating: 1 (standard) 12 4 4X

EECO Hoistway Limit Switches and Brackets by MCE

MCE Landing System:

Tape (LS-QUTE) Hoistway NEMA 1 only

Vane (LS-STAN)

Rail (lbs): 8 – 12 15 – 18.5 22.5 – 30

Customer Supplied Landing System