



**Motion Control Engineering**  
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# Hydraulic Elevator Data Forms

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Doc #: JER032 11/11  
 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.

<b>North American Compliance:</b>	<input type="checkbox"/> U.S.	<input type="checkbox"/> Canada
ASME A17.1/B44 Edition:	<input type="checkbox"/> 2010	<input type="checkbox"/> 2007 <input type="checkbox"/> 2004 <input type="checkbox"/> 2000
Addenda/Supplements:	<input type="checkbox"/> 2008(a)	<input type="checkbox"/> 2005(a) <input type="checkbox"/> 2002(a)
	<input type="checkbox"/> 2009(b)	<input type="checkbox"/> 2005(S) <input type="checkbox"/> 2003(b)
<input type="checkbox"/> ASME A17.1-1996/98		
<input type="checkbox"/> ASME A17.1- _____ Specify edition & addenda.		

### International compliance

<input type="checkbox"/> Australia AS 1735
<input type="checkbox"/> EN 81
<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:
<input type="checkbox"/> 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 & Inspct	

**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.



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
- AC 3 phase (grounded leg delta configuration)\*

\* ATL motor starting only, unless isolation transformer used.

- 60 Hz (standard in U.S.)     50 Hz

Available Fault Current from AC Feed (kA): \_\_\_\_\_  
Standard controller SCCR (Short Circuit Current Rating) is typically 5-10kA. If available fault current exceeds 10kA and cannot be reduced, please notify MCE for a quote.

Motor Starting (All MCE starters include Reverse Phase Sensor)

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

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.

### 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= \_\_\_\_\_

#### Features

- Load Weighing  
(Discrete oil pressure switches for load weighing)
- Viscosity Control
- Low Oil Switch
- Oil Tank Temperature Shutdown Switch
- Resynchronous circuit for telescopic or dual pistons
- Roped Hydro
  - Governor Set (electrical schematic required)
  - Governor Set/Reset  
Coil Voltage: \_\_\_\_\_
- Pressure Switch Interface  
(required when top of cylinder is above top of storage tank)
- Life Jacket Interface
- Battery Powered Lowering
  - By MCE
  - Other: \_\_\_\_\_ (electrical schematic required)

#### Sketch or Special Instructions



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

- MOVFR I
- MOVFR II
- Voltage:  220VAC  110VAC (220 is default if no selection made)

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> MOMVC/MOHVC  | <input type="checkbox"/> MOM/MOH   |
| <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                    |
| <input type="checkbox"/> MODVC/MODHVC | Motor Voltage: <input type="checkbox"/> 220 <input type="checkbox"/> 110 |
| <input type="checkbox"/> MOA          | Logic Voltage: <input type="checkbox"/> 220 <input type="checkbox"/> 110 |

MAC/Kone

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

TKE/Dover

- HD03M
- 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  | <input type="checkbox"/> New      | Model:                            |
|         | <input type="checkbox"/> Existing | (electrical schematic required)   |
| Courion | <input type="checkbox"/> New      | Model:                            |
|         | <input type="checkbox"/> Existing | (electrical schematic required)   |
| EMS     | <input type="checkbox"/> New      | <input type="checkbox"/> Existing |
|         | (electrical schematic required)   |                                   |
| Other   | <input type="checkbox"/> New      | <input type="checkbox"/> Existing |
| Model:  | (electrical schematic required)   |                                   |

Door Operation (freight only)

- |                       |  |   |
|-----------------------|--|---|
| Opening:              | <input type="checkbox"/> Automatic         | <input type="checkbox"/> Momentary pressure |
| Closing:              | <input type="checkbox"/> Automatic         | <input type="checkbox"/> Momentary pressure |
|                       | <input type="checkbox"/> Constant pressure |   |
| Fire Phase I Closing: | <input type="checkbox"/> Automatic         | <input type="checkbox"/> Momentary pressure |
|                       | <input type="checkbox"/> Constant pressure |   |





Floor Label*	Landing #	Floor Height	Car		Car		Car		Car	
			F	R	F	R	F	R	F	R
			<b>Check front and rear floor openings below</b>							
	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**