Motion Control Engineering
Voice: 916 463 9200
Fax: 916 463 9201

Hydraulic Elevator Data Forms

Doc #: JER032 2/13
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: ☐ New construction ☐ Modernization	
☐ Job has Specifications ☐ 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: ☐ 24 hours ☐ 48 hours Other: ☐ 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.

North American Compliance: ☐U.S. ☐Canada	
ASME A17.1/B44 Edition: ☐2010 ☐2007 ☐2004 ☐2000 Addenda/Supplements: ☐2008(a) ☐2005(a) ☐2002(a) ☐2009(b) ☐2005(S) ☐2003(b)	
☐ ASME A17.1-1996/98	
☐ ASME A17.1-	Specify edition & addenda.
International compliance	
☐ Australia AS 1735	
☐ EN 81	
☐ Other (Specify):	
Additional state or local code compliance	
☐ California medical facility OSHPD Seismic Certification (additional charge for certified cabinet)	
☐ Chicago	
☐ Denver	☐ Pressurized hoistway
☐ GSA	
☐ Houston – Existing Door Reopen Button, Fire Phase I	
☐ Michigan	☐ Nebraska
☐ New York City	☐ 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:

Flood Operation ☐ Yes ☐ No
Lowest landing that the car can go in an event of a flood:
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

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.

Foldable/Collapsible Cartop Rail Required: ☐Yes ☐No

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
☐ 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.

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

Hydraulic Elevator Data Forms

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
  - ☐ Cut-out switch in COP
  - ☐ Anti-Nuisance
- ☐ Mechanical safety edge
- ☐ Heavy doors at landings (list landings): _____
- ☐ Dual door operators on same side for wide opening
- ☐ Cartop door open/close buttons (non solid state door operators)
- ☐ Door Hold Operation (non-fire operation)
  - ☐ Switch ☐ Button (max hold = 120 seconds)
- ☐ Nudging
  - ☐ Reduced torque with buzzer
  - ☐ Buzzer only
  - ☐ Ignore photo eye after ___ seconds

If safety edge or door open button activated, doors should:
☐ Stop ☐ Re-open ☐ Other:_____

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)

☐ MOMVC/MOHVC
☐ MOD (230V)
☐ MOD (115V)
☐ MODHA
☐ MODVC/MODHVC
☐ MOA
☐ MOM/MOH
☐ MOSVCL
☐ MOPM-P/MOPM-PL
☐ 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
☐ HD03M
☐ HDLM ☐ HD68/70/73/91
☐ HD98/85 (Requires SmarTraq upgrade kit)

Otis
☐ 6970A – Resistance ☐ 6970A – Reactance
☐ 7300 ☐ A7770A
☐ 7782AA ☐ OVL
☐ iMotion 1 & 2 ☐ 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)

Serial fixture boards to be sent to fixture manufacturer / contractor for pre-wire? ☐ Yes (If so, indicate where below)
☐ No

Ship serial boards to::

☐ C.E. Electronics ☐ EPCO ☐ Dupar
☐ Innovation Industries ☐ Monitor ☐ MAD
☐ ERM ☐ PTL
☐ Elevator Contractor Office

Please indicate Contact Person / Number in Special Notes below

Which boards to be sent?: ☐ COP ☐ Hall Station

☐ **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 ☐ 0ther:
☐ 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	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Attendant Buzzer	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Call Registration Buzzer	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Door Closing Buzzer (typically freight only)	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Door Hold Light	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Door Left Open Bell	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
EMT Service Light, Car	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
EMT Service Light, Hall	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Fire Light	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Fire Buzzer	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Hospital Light	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Hospital Buzzer	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
In-Service Light	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
In-Use Light	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Load Status Light	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
Nudging Buzzer	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐
	☐ 24 ☐ 48 ☐ 120 ☐ Other:	☐	☐

Floor Label*	Landing #	Floor Height	Car F	Car R	Car F	Car R	Car F	Car R	Car F	Car R
			Check front and rear floor openings below							
	16	*overhead*	☐	☐	☐	☐	☐	☐	☐	☐
	15	*15-16*	☐	☐	☐	☐	☐	☐	☐	☐
	14	*14-15*	☐	☐	☐	☐	☐	☐	☐	☐
	13	*13-14*	☐	☐	☐	☐	☐	☐	☐	☐
	12	*12-13*	☐	☐	☐	☐	☐	☐	☐	☐
	11	*11-12*	☐	☐	☐	☐	☐	☐	☐	☐
	10	*10-11*	☐	☐	☐	☐	☐	☐	☐	☐
	9	*9-10*	☐	☐	☐	☐	☐	☐	☐	☐
	8	*8-9*	☐	☐	☐	☐	☐	☐	☐	☐
	7	*7-8*	☐	☐	☐	☐	☐	☐	☐	☐
	6	*6-7*	☐	☐	☐	☐	☐	☐	☐	☐
	5	*5-6*	☐	☐	☐	☐	☐	☐	☐	☐
	4	*4-5*	☐	☐	☐	☐	☐	☐	☐	☐
	3	*3-4*	☐	☐	☐	☐	☐	☐	☐	☐
	2	*2-3*	☐	☐	☐	☐	☐	☐	☐	☐
	1	*1-2*	☐	☐	☐	☐	☐	☐	☐	☐
		Pit								

Capacity: ☐ lbs ☐ kg					
Up Speed: ☐ fpm ☐ m/s					
Down Speed: ☐ fpm ☐ m/s					
Total Travel: ☐ ft ☐ 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 (888)

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**