

**MCE to complete shaded area**

MCE Job Number:	Date Received:
Job Name:	Job Engineer:

**Logistics Information**

**Job Type**

- Federal Government   
  State Government   
  Other Government   
  Courthouse   
  Hospital  
 School or University   
  Office Building   
  Private   
  Jail / Prison   
  Other \_\_\_\_\_

**Site & Contact Information**

<b>Site Address</b>
<b>Owner Representative</b>
Print Name:
Signature:
Title:
Business Phone:
Cell Phone:
eMail:
Address:

**Consultant Information**

Business Name:
Contact Name:
Business Phone:
Cell Phone:
eMail:
Address:

**Form Completed By**

Name:
Business Phone:
Cell Phone:
eMail:
Address:

**Contractor Information**

Business Name:
Contact Name:
Business Phone:
Cell Phone:
eMail:
Address:

**Shipping Information**

<b>Ship To Address:</b>	

- Notice Required:     24 hrs     48 hrs  
 Lift Gate Truck Required:  Yes     No



Motion Control Engineering  
11380 White Rock Road  
Rancho Cordova, CA 95742

**Motion 4000 Data Form**

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**916 463 9200 Voice**

**916 463 9201 FAX**

**Logistics Information (continued)**

**Delivery & Payment Schedule**

Standard MCE terms of payment (net 30 days) apply to your order. If you require special terms of payment, please provide an Alternative Payment Schedule.

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.

Customer Job Number:		
Customer PO Number:		
Job Name:		
Number of cars:		
<b>Control</b>	<b>Delivery Date</b>	<b>Payment Date</b>
Car " "		
Car " "		
Car " "		
Car " "		
Car " "		
Car " "		
Group " "		

**Delivery & Payment Schedule**

If different payment terms are required, please provide an alternative proposal. Please include specifics of building owner payments and provide a copy of your contract.

Alternative Proposal Provided:  Yes  No  
Contract Attached:  Yes  No

**Job Push-Outs and Cancellation**

Jobs pushed out by the customer more than 90 days beyond the originally scheduled date may be subject to cancellation charges as follows:

- \* Before engineering commences: 10% of total sales order
- \* After engineering completed: 30% of total sales order
- \* After construction completed: 75% of total sales order

**Extra Documentation**

If this job requires additional engineering drawing packages or additional manuals, please indicate below.

<input type="checkbox"/> Drawing Sets	# Required:
<input type="checkbox"/> Manuals	# Required:

**Elevator Safety Code Compliance**

Accurate information is essential.

<b>Job Location (City/State):</b>	
<b>Contract Date:</b>	
<b>Project Type:</b> <input type="checkbox"/> New Construction <input type="checkbox"/> Modernization	
<b>Elevator Duty:</b> <input type="checkbox"/> Passenger <input type="checkbox"/> Service <input type="checkbox"/> Freight	
<b>Measurements:</b> <input type="checkbox"/> U.S./Imperial <input type="checkbox"/> S.I./Metric	
<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)	
<b>International compliance:</b>	
<input type="checkbox"/> Australia AS 1735	
<input type="checkbox"/> EN 81	
<input type="checkbox"/> Other (Specify):	
<b>Additional jurisdictional code compliance:</b>	
<input type="checkbox"/> California medical facility OSHPD Seismic Certification (additional charge for certified cabinet)	
<input type="checkbox"/> Chicago Chapter 18-30	
<input type="checkbox"/> Denver <input type="checkbox"/> Pressurized hoistway	
<input type="checkbox"/> Hawaii	
<input type="checkbox"/> Houston, TX <input type="checkbox"/> Existing Door Reopen Button, Fire Phase I	
<input type="checkbox"/> Maryland	
<input type="checkbox"/> Michigan <input type="checkbox"/> Permit/contract date prior to 6/21/2010?	
<input type="checkbox"/> Nebraska	
<input type="checkbox"/> New York City, NY <input type="checkbox"/> Appendix K <input type="checkbox"/> RS-18	
<input type="checkbox"/> Seattle, Washington <input type="checkbox"/> Multiple Phase I Switches	
<input type="checkbox"/> Washington State # of 3-position: _____ # of 2-position: _____	
<input type="checkbox"/> TSSA <input type="checkbox"/> Collapsible Car Top Guard Rail	
<input type="checkbox"/> Additional Compliance Requirements? Explain:	

**Job Specification**

Does project have job specifications? <input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, number of pages: _____
Have specifications been forwarded to MCE? <input type="checkbox"/> Yes <input type="checkbox"/> No



**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 Selective Collective**  
(provide hoistway and machine room drawings)

Parking:  
Primary Floor: \_\_\_\_\_ Floor Label: \_\_\_\_\_  
Secondary Floor: \_\_\_\_\_ Floor Label: \_\_\_\_\_  
First free car will park at **Primary** floor.  
Second free car will park at **Secondary** floor.  
If no parking floors, cars stay at last call answered floor.

**Group Automatic** (provide hoistway and machine room drawings)

Number of cars: \_\_\_\_\_

Lobby Landing #: \_\_\_\_\_ Floor Label: \_\_\_\_\_

Parking Floors:  
Number of cars to park: \_\_\_\_\_  
Floors to park at: \_\_\_\_\_  
(If no parking floor, cars stay at last call answered)  
(Once parking floors are full, other cars stay at last call answered)

**Swing Car Operation** Car(s): \_\_\_\_\_  
 Activated by keyswitch:  In car  In hall  
 Auto swing

**Cross Registration**  
Existing hall P/B schematics are required.

**Fire Service Operation**

**Fire Service Phase I**

Main Landing #: \_\_\_\_\_ Floor Label: \_\_\_\_\_  
Doors will open:  Front  Rear  
Phase 1 Switch is:  2-position  3-position  
Alternate Landing #: \_\_\_\_\_ Floor Label: \_\_\_\_\_  
Doors will open:  Front  Rear

Additional 2-position switch:  Yes  No  
For Federal jobs, location of additional 2-position switch:  
Landing #: \_\_\_\_\_ Floor Label: \_\_\_\_\_

"Master Fire Service" switch (Chicago High Rise only)

**Fire Service Phase II**

Type of switch:  3-position  2-position  
Call Cancel Button:  Yes  No

**Additional Fire Operation Requirements for Nassau County NY, Detroit MI, California or GSA/Federal Jurisdictions:**  
 Shunt Trip Delay  
 Heat Detectors: (  MR  HW  Each floor )

**Operating Features**

**Attendant Service**  Yes  No  
 Attendant Annunciator Panel in car (Visual hall calls)

**Car-to-Lobby switch**  Yes  No  
Location:  Car  Hall  Remote Panel  
Park with doors:  Open  Closed  
Return Landing#: \_\_\_\_\_ Floor Label: \_\_\_\_\_

**Earthquake Service**  Yes  No  
 ASME A17.1 code  California code  
 Traction machine  Winding drum machine

Seismic switch  By MCE  By customer  
 Counterweight derailment device  By MCE  By customer  
 Car to operate on fire or hospital service

**Emergency Medical Technician Service (EMT)**  Yes  No  
Return landing #: \_\_\_\_\_ Floor label: \_\_\_\_\_

**Emergency Power Generator**  Yes  No  
Does generator power other cars?  Yes  No  
If yes:  Sequential lowering? (requires emergency power overlay)

If not sequential:  
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: \_\_\_\_\_  
Is emergency/standby power selector switch located at the designated level in view of all elevator entrances?  
 Yes  No

**Flood Operation**  Yes  No  
Lowest landing that the car can go in an event of a flood:  
Landing: \_\_\_\_\_ Floor Label: \_\_\_\_\_

**Hoistway Access Operation**  Yes  No  
2-position switch in COP:  Yes  No  
Top access switch:  Yes  No  
Switch location:  Front  Rear  
Bottom access switch:  Yes  No  
Switch location:  Front  Rear

**Hospital Service (Code Blue)**  Yes  No  
Mark number of each car used for hospital service:  
1  2  3  4  5  6

Landing numbers served: \_\_\_\_\_

Number of hospital risers: 1  2  3  4   
If more than one, list cars assigned to each:  
#1: \_\_\_\_\_ #2: \_\_\_\_\_ #3: \_\_\_\_\_ #4: \_\_\_\_\_

Hospital Phase 2 Activation:  
 Hospital Phase 2 switch  Hospital service indicators  
Standard operation: Phase 1 – light flashes; Phase 2 – lights continuous

**Independent Service**  Yes  No  
Key switch location:  Car (standard)  Hall  
 Pre-test switch in Controller



**Operating Features (continued)**

**In-Car Inspection switch**  Yes  No  
 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
<b>OR</b>		
NORMAL	NORMAL	ACCESS
Requires Access	Requires In-Car Insp.	Requires Access & In-Car Insp.

**Sabbath operation**  Yes  No

**Security**  Yes  No

Car call cutouts:  Yes  No  
 Card reader dry contact  
 Keyed floor lockout switches  
 Switch location:  Car  Hall  
 Number of switches: \_\_\_\_\_

Car Call Card Reader Override Switch

Hall Call Cutouts:  Yes  No  
 Card reader dry contact  
 Keyed floor lockout switches

Car call code security: (enter security code using car call buttons)  
 Security control via:  PC  Key on/off switch

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

**Special Security Features:**

Jail Security \*  
 Deputy/Marshal Service\*  
 Remote Car Station Control  
 Evacuation Service \*  
 Child / Infant Abduction / Bracelet Operation  
 Number of landings with detection device: \_\_\_\_\_  
 Which Landings:  
 Landing #: \_\_\_\_\_ Floor label: \_\_\_\_\_  
 Allow car to run if not at affected landing:  Yes  No  
 Other \* (\_\_\_\_\_)

\* additional details must be provided

**Timed Fan Light Output:**  Yes  No  
 Used to turn cab fan/lights off after a user-adjustable length of time if the car is at a floor on automatic operation with the doors closed and no demand.

**Foldable/Collapsible Cartop Rail Required:**  Yes  No

**Load Weighing**  Yes  No

EMCO Load Weigher  
 EMCO Rope Tension Load Weigher, Car: \_\_\_\_\_  
 Number of ropes:  4  5  6  7  8  
 Roping:  1:1  2:1  
 Rope diameter:  10mm  1/2 in  9/16in  5/8 in  
 If additional cars use same roping, and more load weighers are needed, indicate quantity here: \_\_\_\_\_  
 If car roping varies, provide information for each car below.

EMCO Rope Tension Load Weigher, Car: \_\_\_\_\_  
 Number of ropes:  4  5  6  7  8  
 Roping:  1:1  2:1  
 Rope diameter:  10mm  1/2 in  9/16in  5/8 in

EMCO Rope Tension Load Weigher, Car: \_\_\_\_\_  
 Number of ropes:  4  5  6  7  8  
 Roping:  1:1  2:1  
 Rope diameter:  10mm  1/2 in  9/16in  5/8 in

K-Tech strain gauge (from MCE)

K-Tech strain gauge (from other) Model: \_\_\_\_\_

Other weigher Brand: \_\_\_\_\_ Model: \_\_\_\_\_

Discrete weigher (dry contact interface)  
 Anti- nuisance  Lobby dispatch  
 Hall call bypass  Overload  
 Hoist

**Monitoring**  Yes  No

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

iMonitor / iReport, machine room or remote  
 iMonitor / iReport interface only allow for future connection

IDS Liftnet Interface

Number of monitoring stations: \_\_\_\_\_

Distance from group to monitoring station: \_\_\_\_\_ ft  
 Is distance greater than 300ft?  Yes  No



**General Information**

**Voltage**

Line voltage available (disconnect): \_\_\_\_\_

Line voltage measured: \_\_\_\_\_

- AC 3 phase (symmetrical with respect to ground)
- AC 3 phase (grounded leg delta configuration)
- AC 2 phase     AC single phase     DC
- 60 Hz     50 Hz

Add Isolation Transformer:     Yes     No

Add Voltage Surge Suppressor:     Yes     No

Add Brown Out Circuit:     Yes     No

Add Traction Auxiliary Power Supply(Backup power for controller, only up to 40hp)     Yes     No

Available Fault Current from AC Feed (kA): \_\_\_\_\_

The maximum controller SCCR (Short Circuit Current Rating) is 10kA. If available fault current exceeds 10kA, an isolation transformer will be required. Please notify MCE for a quote.

Machine blower

Voltage: \_\_\_\_\_ Phase: \_\_\_\_\_ FLA: \_\_\_\_\_

Reduced stroke buffers    Buffer rating: \_\_\_\_\_ fpm

Buffer stroke: \_\_\_\_\_ inches

Counterweight safety

Regenerative Drive:     Yes     No

(returns overhauling power to main line)

Suspension-Means Monitoring (req'd for A17.1-2010 and later)

Steel wire ropes ≥ 8mm (Standard)

Steel wire ropes < 8mm \*

Suspension means other than steel wire ropes \*

\* For non-standard suspension means, the customer must provide the Broken Suspension Member (2.20.8.2) or Suspension Member Residual Strength (2.20.8.3) monitoring means, including a normally closed contact.

**Machine and Brake**

Machine     Existing     New (complete additional form)

New (by MCE – complete additional form)

MRL (machine roomless)

Brand: \_\_\_\_\_

Geared

Ring & Worm     Helical     External     Tandem

Gearless     AC PM     AC Induction

Encoder model: \_\_\_\_\_

Roping:     1:1     2:1

Brake     Existing     New    Brand: \_\_\_\_\_

DC Brake (\* Required Information)

Voltage:    \*Pick: \_\_\_\_\_    \*Hold: \_\_\_\_\_

\*Coil resistance: \_\_\_\_\_     Measured     Data Sheet

Contact on brake    Type:     N/O     N/C

AC Brake (\* Required Information)

\*Current/Fuse Size: \_\_\_\_\_    Voltage: \_\_\_\_\_

Phase:     Single     3-phase

**FOR MRL APPLICATIONS ONLY:**

Battery Backup Passenger Rescue w/Video

**Governor**

Jawless Governor (tension sheave switch required)

Remote Governor Set/Reset    Coil Voltage: \_\_\_\_\_     AC     DC

**Emergency Brake**

ASME A17.1-2000/CSA B44-00 or later requires the addition of an emergency brake on all new traction elevators, per 2.19. Also note that some alterations will trigger the requirement to add an emergency brake as well (i.e., change in type of service or motion control; increase in rated load or speed; and replacing the driving machine)

Hollister Whitney Rope Gripper     Thyssen Sheave Brake

Bode Rope Brake

Other ( \_\_\_\_\_ )

Secondary/Independent Brake on machine

(not accepted in Nebraska)

Power Supply of Brake:     120VAC, 3A slow-blow fuse (Std)

Other

If other, please specify: Voltage: \_\_\_\_\_    FLA: \_\_\_\_\_

**Hoist Motor**

**Variable Frequency AC**

Existing     New     New by MCE (fill additional form)

Brand: \_\_\_\_\_    HP: \_\_\_\_\_    Volts: \_\_\_\_\_

FLA: \_\_\_\_\_    FL RPM: \_\_\_\_\_    # Poles: \_\_\_\_\_

Sync RPM: \_\_\_\_\_    Frequency: \_\_\_\_\_

For 2-speed motor, measure high speed winding.

Encoder cable length: \_\_\_\_\_

Other name plate data: \_\_\_\_\_

**Variable Voltage DC**

Existing     New     New by MCE

Brand: \_\_\_\_\_    Volts: \_\_\_\_\_

HP: \_\_\_\_\_    RPM: \_\_\_\_\_    FLA: \_\_\_\_\_

Other name plate data: \_\_\_\_\_

Shunt field voltage:

Forcing: \_\_\_\_\_    Full Speed: \_\_\_\_\_    Standing: \_\_\_\_\_

Shunt field resistance:

Measured     Data Sheet    # of coils:

Series     Series/Parallel

Hot     Cold

Loop Circuit Voltage while running (measure on motor brushes):

Up empty car: \_\_\_\_\_    VDC at speed: \_\_\_\_\_

Down empty car: \_\_\_\_\_    VDC at speed: \_\_\_\_\_

Loop Circuit Current while running:

Up empty car: \_\_\_\_\_    Amps at speed: \_\_\_\_\_

Down empty car: \_\_\_\_\_    Amps at speed: \_\_\_\_\_

**Velocity feedback**

By MCE     By others

Tachometer     Encoder

Flange     Foot    Encoder cable length: \_\_\_\_\_ (ft)

**If gearless:**    Drive sheave diameter: \_\_\_\_\_

Diameter of surface to run tach: \_\_\_\_\_



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**Motion 4000 Data Form**

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**916 463 9200 Voice**

**916 463 9201 FAX**

**Car Gate Door Operation**

Automatic passenger style doors  
 Powered freight style doors  
 Manual doors  
 Other: \_\_\_\_\_

---

**Gate Release Solenoid** (not standard)

Voltage: \_\_\_\_\_  3-Phase AC  1-Phase AC  DC  
 Fuse:  2A  3A  Other: \_\_\_\_\_

**Hoistway Doors**

Automatic passenger style doors  
 Powered freight style doors  
 Manual doors (complete below)  
 Other: \_\_\_\_\_ (complete below)

Interlocks:  
 Door Closed contact  Yes  No  
 Door Locked contact  Yes  No  
 Brand: \_\_\_\_\_ Model: \_\_\_\_\_

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)  
 Mechanical  
 (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**

(See section below for freight style doors)

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

**GAL**  
 MOVFR I  MOM/MOH  
 MOVFR II  
 MOVFR voltage:  220VAC  110VAC (220 is default if no selection made)  
 MOD (230V)  MOMVC/MOHVC  
 MOD (115V)  MOSVCL  
 MODHA  MOPM-P/MOPM-PL  
 MOCT/MOCTA/MOCT/  MOMCT/MOHCT  
 MODVC/MODHVC Motor Voltage:  220  110  
 MOA Logic Voltage:  220  110

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

**TKE/Dover**  
 HD03 (120VAC)  HD03M (Low voltage)  
 HD68/70/73/91 (Circle model number)  
 HD98/85 (Requires SmarTraq upgrade kit)  
 Smart tech

**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



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**916 463 9200 Voice**

**916 463 9201 FAX**

**Call Registration Indicators**

All push buttons designed as standard mechanical style unless noted on special instructions.

**Car Calls**

Voltage:  24  48  120  Other: \_\_\_\_\_  
 AC  DC

Type:  LED  Neon  Incandescent

**Hall Calls**

Voltage:  24  48  120  Other: \_\_\_\_\_  
 AC  DC

Type:  LED  Neon  Incandescent

**Auxiliary Car Station:**  Yes  No

Total # of car stations in each car:  1  2  3  4

**Serial Link (Fixtures must be 24VDC, 6 watts max)**

Car Operating Panel  Hall Calls # of risers: \_\_\_\_\_  
Call pushbuttons must be mechanical.

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

**Position Indicators**

Car

- MCE CE 3-wire driver board (built into controller)
- MCE E-Motive 3-wire driver board (built into controller)
- \*Customer supplied serial driver board\* (not in controller)
- \*Discrete signals\* (Multi-Light or non-serial digital)

\*Provide information below:

Voltage:  24  48  120  Other: \_\_\_\_\_  
 AC  +DC  -DC

Type:  Multi-light  
 Digital (not MCE Driver board)

Brand: \_\_\_\_\_ Model: \_\_\_\_\_  
 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)
- \*Customer supplied serial driver board\* (not in controller)
- \*Discrete signals\* (Multi-Light or non-serial digital)

\*Provide information below:

Voltage:  24  48  120  Other: \_\_\_\_\_  
 AC  +DC  -DC

Type:  Multi-light  
 Digital (not MCE Driver board)

Brand: \_\_\_\_\_ Model: \_\_\_\_\_  
 One line per floor  
 Binary code begins at landing 1  
 00  01

Voice annunciation (ADA required over 200 FPM)

- MCE CE 3-wire driver board interface (built into controller)
- MCE E-Motive 3-wire driver board interface (built into controller)
- By other, discrete signals requested (i.e., fire service): \_\_\_\_\_
- Custom messages-non standard please indicate below

**Lanterns:**

Car lanterns

- MCE CE 3-wire driver board (built into controller)
- MCE E-Motive 3-wire driver board (built into controller)
- Discrete signals – Bulb wattage \_\_\_\_\_  
Voltage:  24  48  120  Other: \_\_\_\_\_  
 AC  DC

Type:  Chime  Gong

Hall Lanterns

- MCE CE 3-wire driver board (built into controller)
- MCE E-Motive 3-wire driver board (built into controller)
- Discrete signals – Bulb wattage \_\_\_\_\_  
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"/>
EQ Indicator/buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 48 <input type="checkbox"/> 120 <input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>
Annunciator panel display	<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"/>
Emergency Power Light	<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"/> MCE CE 3-wire driver board (built into controller)	<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"/> MCE CE 3-wire driver board (built into controller)	<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"/>



**Landings & Openings**

Ldg #	Floor Label	Floor Height	Car		Car		Car		Car		Car		Car	
			F	R	F	R	F	R	F	R	F	R	F	R
	O.H.													
32			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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"/> kg <input type="checkbox"/> lbs														
Up Speed: <input type="checkbox"/> ms <input type="checkbox"/> fpm														
Down Speed:														
Total Travel: <input type="checkbox"/> m <input type="checkbox"/> ft														

**Number of hoistways:** \_\_\_\_\_

**Hoistway NEMA Rating:**  
 1 (standard)  12  4  4 X  
 Other: \_\_\_\_\_

**Landing System:**  
 ELGO (standard)  LS-EDGE  
 Tape length: \_\_\_\_\_

**Sprinkler Installations**  
 In machine room  
 In hoistway  
 In pit at 24" or less (NEMA 4 required below 48")

**EEO limit switches by MCE for Final limits only**

**TM Switch** (music box)

**Hand held Unit – mPAC**  
(Recommended but not required)

**MCE Traveling cable**  
If yes, please fill out cable data form

**Machine room space limitations?**  
 Indicate enclosure space available. Otherwise, enclosure size based on job requirements. (Check entry hall and door sizes.)  
 \_\_\_\_\_ H x \_\_\_\_\_ W x \_\_\_\_\_ D

**Machine room location:**  Overhead  
 Basement  Other

**Number of machine rooms:** \_\_\_\_\_

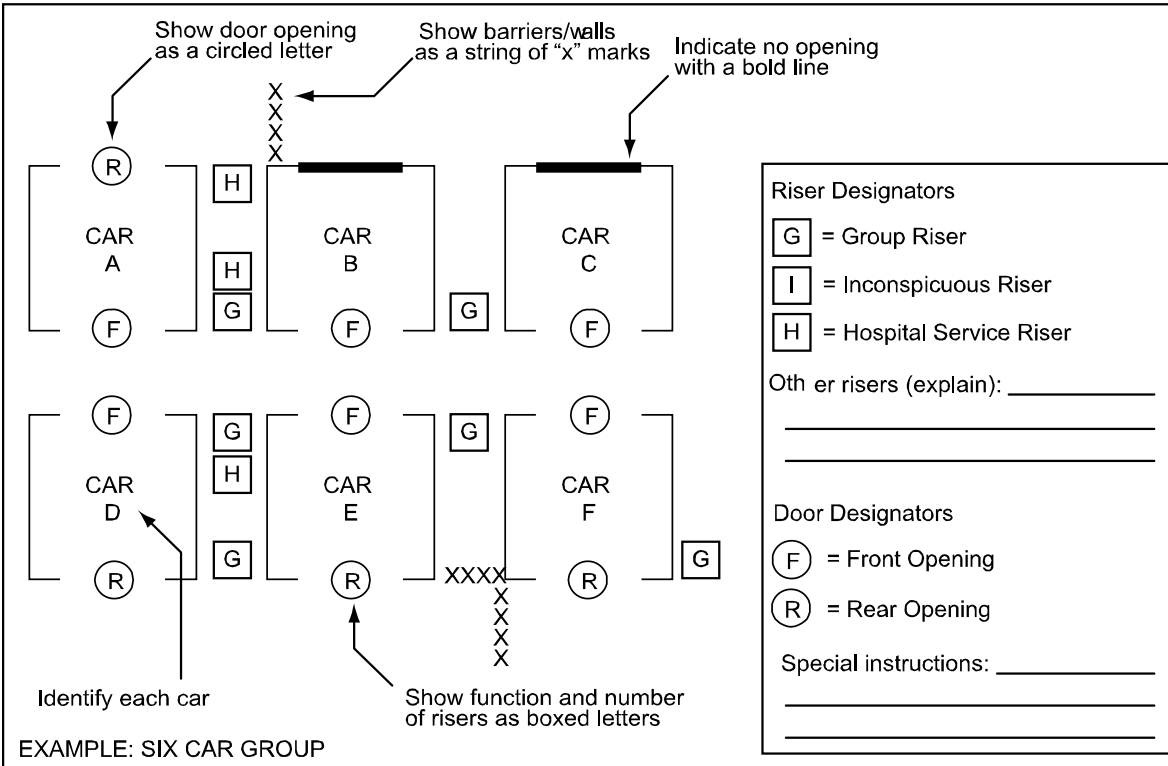
**Machine room NEMA rating:**  1(std)  
 12  4  4X  
 Air conditioned enclosure (recommended for all but NEMA 1)

**NOTE:** 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 (##)





**NOTE:** Hoistway Layout Forms are required for each unique landing configuration including riser, opening, and wall/barrier location. These forms must be filled out by hand and faxed to MCE. Enter the number of drawings you are submitting here: \_\_\_\_\_



Sketch your layout in the grid area. Alternately, use separate sheets of paper (with your job number)

