



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

# iControl Traction Engineering Survey Form

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Doc #:42-FR-0449 B6 (JER117)

## LOGISTICS INFORMATION

**MCE to complete shaded area**

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

**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 this data form. Accurate and complete information is essential. Non-response to a question will be defined as meaning that the item does not apply.**

### Job Type

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Federal Government   | <input type="checkbox"/> DoD / UFGS<br>(TSSA Cert. Req'd) | <input type="checkbox"/> Other Government |
| <input type="checkbox"/> School or University | <input type="checkbox"/> Office Building                  | <input type="checkbox"/> State Government |
| <input type="checkbox"/> Hospital             | <input type="checkbox"/> Other                            | <input type="checkbox"/> Courthouse       |
| <input type="checkbox"/> Jail / Prison        |   | <input type="checkbox"/> Private          |

### Site & Contact Information

<b>Building Information</b>	
Address:	
City:	
State:	Zip Code:
<b>Building Owner Representative</b>	
Print Name:	
Title:	
Business Phone:	
Cell Phone:	
eMail:	
Address:	
City:	
State:	Zip Code:

### Contractor Information

Company Name:	
Contact Name:	
Company Phone:	
Cell Phone:	
eMail:	
Address:	
City:	
State:	Zip Code:

### Form Completed By

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

### Consultant Information

Consulting Firm Name:	
Contact Name:	
Business Phone:	
Cell Phone:	
eMail:	
Address:	
City:	
State:	Zip Code:

### Shipping Information

<b>Ship to Address:</b>	
Advanced Notification Required:	<input type="checkbox"/> 24 hrs <input type="checkbox"/> 48 hrs
Lift Gate Truck Required:	<input type="checkbox"/> Yes <input type="checkbox"/> No



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## iControl Traction Engineering Survey Form

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### LOGISTICS & CODE DATA

### 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 (Onsite) Date*</b>	<b>Payment Date</b>
Car " "		
Car " "		
Car " "		
Car " "		
Car " "		
Car " "		
Car " "		
Car " "		
Group " "		

\*Crane Required:  Yes  No

#### 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/Other 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:
<input type="checkbox"/> Laminated Drawing	# Required:
<input type="checkbox"/> Drawing on CD	# Required:

### Elevator Safety Code Compliance

Accurate information is essential. Both hardware and software are affected.

<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	
<b>ASME A17.1/B44 Edition:</b> <input type="checkbox"/> 2019	
<input type="checkbox"/> 2016 <input type="checkbox"/> 2013 <input type="checkbox"/> 2010 <input type="checkbox"/> 2007 <input type="checkbox"/> 2004 <input type="checkbox"/> 2000	
<b>Addenda/Supplements:</b> <input type="checkbox"/> 2008(a) <input type="checkbox"/> 2005(a) <input type="checkbox"/> 2002(a)	
(None for A17.1-2010 and later) <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 Fire Code (select one): <input type="checkbox"/> Current <b>OR</b> <input type="checkbox"/> 2001	
<input type="checkbox"/> Denver <input type="checkbox"/> Pressurized hoistway	
<input type="checkbox"/> GSA	
<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"/> UFGS Specs Specify Branch:	
<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**

<input type="checkbox"/> <b>Simplex</b> Home Landing#: _____ Floor Label: _____	
<input type="checkbox"/> <b>Group Automatic (iCentral w/ enhanced iCue)</b> Number of Cars: _____ Number of Hall Call Risers: _____ Lobby Landing #1: _____ Floor Label: _____ Lobby Landing #2: _____ Floor Label: _____	
<b>PLUG:</b> iCue to dispatch existing (non-iControl) MCE Equipment: <input type="checkbox"/> Yes <input type="checkbox"/> No Existing control type being retained: <input type="checkbox"/> IMC <input type="checkbox"/> PTC <input type="checkbox"/> Other Please contact MCE Sales Team to confirm eligibility of PLUG upgrade.	
<input type="checkbox"/> <b>Swing Car Operation</b> Car(s): _____ <input type="checkbox"/> Activated by keyswitch Switch location: <input type="checkbox"/> Car <input type="checkbox"/> Hall <input type="checkbox"/> Autoswing ( <input type="checkbox"/> w/ keyswitch) Openings/Landings Serviced under Swing: <input type="checkbox"/> Identical to Normal Group Automatic <input type="checkbox"/> Other (Provide Details)	
<b>iCentral Group to Controller Ethernet Cable Lengths:</b> <input type="checkbox"/> 5' <input type="checkbox"/> 10' <input type="checkbox"/> 25' <input type="checkbox"/> 50' <input type="checkbox"/> 75' <input type="checkbox"/> 100' <input type="checkbox"/> 150' Standard 25 ft. Measure distance from group control (iCentral) to most distant iControl, add 10 ft. for inside cabinet connections. Order one cable for each iControl in the group. There is no daisy chaining. Each control will communicate directly with the group.	
<b>Destination-Based Dispatching?</b> <input type="checkbox"/> Yes** <input type="checkbox"/> No <input type="checkbox"/> Lobby Boost <input type="checkbox"/> Full DBD **Please complete DBD Survey form 42-FR-0465 A1 (JER147)	
<b>Cross Cancellation/Registration Panel* (iCue required)</b> Temporary hall call panel used during modernization process when existing dispatcher and MCE dispatcher are to operate simultaneously as one dispatching system.	
<input type="checkbox"/> <b>Cross Registration</b> <input type="checkbox"/> <b>Cross Cancellation</b> *Copy of the existing hall call schematics must be provided. Existing Hall Call Bus Voltage: _____ <input type="checkbox"/> AC <input type="checkbox"/> DC Existing control type: <input type="checkbox"/> Relay logic <input type="checkbox"/> Microprocessor	

**Fire Service Operation**

<input type="checkbox"/> <b>Fire Service Phase I</b> Main Landing #: _____ Floor Label: _____ Doors will open: <input type="checkbox"/> Front <input type="checkbox"/> Rear Phase 1 Switch is: <input type="checkbox"/> 2-position <input type="checkbox"/> 3-position Alternate Landing #: _____ Floor Label: _____ Doors will open: <input type="checkbox"/> Front <input type="checkbox"/> Rear <b>NOTE:</b> For flood hazard zones, the designated and alternate fire recall floors should be at or above the base flood elevation.	
Additional 2-position switch: <input type="checkbox"/> Yes <input type="checkbox"/> No For Federal jobs, location of additional 2-position switch: Landing #: _____ Floor Label: _____	
Hoistway sensors: <input type="checkbox"/> At or below lower level of recall <input type="checkbox"/> Above lower level of recall	
<input type="checkbox"/> "Elevator Control Panel" (Chicago High Rise only)	
<input type="checkbox"/> <b>Fire Service Phase II</b> <input type="checkbox"/> Fire Service Access Elevator(s)? _____ (list)	
Type of switch: <input type="checkbox"/> 3-position <input type="checkbox"/> 2-position Call Cancel Button: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Additional Fire Operation Requirements for NY, Detroit MI, or GSA/Federal Jurisdictions:</b> <input type="checkbox"/> Shunt Trip Delay <input type="checkbox"/> Heat Detector Locations: <input type="checkbox"/> MR <input type="checkbox"/> HW <input type="checkbox"/> Each floor	

**Operating Features**

<b>Attendant Service:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Annunciator Panel in Car (Monitoring Hall Calls Registered): <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Car to Lobby Switch:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Recall Landing: _____ Floor Label: _____ Park with doors: <input type="checkbox"/> Open <input type="checkbox"/> Closed Location of switch: <input type="checkbox"/> Car <input type="checkbox"/> Hall	
<b>Earthquake Service:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Code Compliance: <input type="checkbox"/> ASME <input type="checkbox"/> California (Group II) Machine Type: <input type="checkbox"/> Traction <input type="checkbox"/> Winding Drum <input type="checkbox"/> Seismic switch <input type="checkbox"/> By MCE <input type="checkbox"/> By Customer <input type="checkbox"/> C/W derailment device <input type="checkbox"/> By MCE <input type="checkbox"/> By Customer <input type="checkbox"/> Earthquake light/buzzer <input type="checkbox"/> Car to operate on fire or hospital service <input type="checkbox"/> Earthquake hoistway scan switch in COP? (optional for 2016 and later) <b>NOTE: A manually reset switch that is positively opened mechanically must be provided at the machine to detect the displacement of the suspension members or the suspension members' retainer.</b> <input type="checkbox"/> Alarm button (required in COP; 2016 or later)	
<b>Emergency Power Operation:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Does generator power cars from other banks? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, is sequential lowering required amongst elevators from different banks? <input type="checkbox"/> Yes (Overlay req'd) <input type="checkbox"/> No <b>NOTE:</b> Cars under EP overlay control to recall/sequence one car at time. If other, please provide additional EP details. Number of cars allowed to run simultaneously: _____ Split or multiple power feeders to the elevators? <input type="checkbox"/> Yes <input type="checkbox"/> No Status of EP contact during normal power: <input type="checkbox"/> Open <input type="checkbox"/> Closed Power pretransfer contact – 10 sec minimum: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Manual Selector Switch Number of positions: _____ Labels: _____ Is switch located at the designated level in view of all elevator entrances? <input type="checkbox"/> Yes <input type="checkbox"/> No (Indicator req'd)	
For AC Controls; When Emergency Power Active, energy (power) to be handled by: <input type="checkbox"/> Braking Resistors <input type="checkbox"/> Regen Drive (if req'd)	
<b>Emergency Medical Technician (EMT) Service:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Recall Landing: _____ Floor Label: _____	
<b>Flood Operation:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Lowest landing that the car can go in an event of a flood: Landing: _____ Floor Label: _____ <b>NOTE:</b> The designated and alternate fire recall floors should be at or above this level.	
<b>Hospital Service (Code Blue):</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Which Cars Used: _____ Floors Served: _____ In car activation: <input type="checkbox"/> Keyswitch <input type="checkbox"/> Other <input type="checkbox"/> None In car indicators: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Independent Service:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Key switch location: <input type="checkbox"/> Hall <input type="checkbox"/> Car	
<b>Sabbath Operation:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Timed Fan Light Output:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Used to turn cab fan/lights off after a user-adjustable length of time (5 to 10 minutes) if the car is at a floor on automatic operation with the doors closed and no demand.	

**Inspection/Access Requirements****Car Top Inspection Station** by MCE (NEMA 1 only) Yes  No**Extended Shaft Car Top Inspection**  Yes  No

(Bypasses 1<sup>st</sup> set of directional & final limits to move the car further up the hoistway during car top inspection; 2<sup>nd</sup> set of directional & final limits required, along with a separate multi-pole switch on car top complying with A17.1, 2.26.4.3.)

**Hoistway Access Operation** Yes  No

Top access switch:

 Yes  No

Switch location:

 Front  Rear

Bottom access switch:

 Yes  No

Switch location:

 Front  Rear

In-car Access switch must be 2-position type (OFF/ENABLE).

**In-Car Inspection Switch:** Yes  No

In-car Inspection switch must be 2-position type (INSP/NORM).

In-car inspection using separate up/down buttons:  Yes  No**Remote Monitoring (Connectivity)**Remote Monitoring Required:  Yes  No

New controller to be monitored by system that is:

 New  ExistingNumber of Monitoring Stations where controllers shall be connected:  1  2  Other \_\_\_

Max number of monitoring connections supported:

Simplex (4) Groups (8)

**Controller requires connectivity to:** iMonitor ( Campus View  iLobby) iReport BMS via BACnet  SENTRY IDS Liftnet SAVIOKE ROBOT MCE Jail Application

Please complete **Elevator Monitoring Survey Form** (Page 11) located at the back of this iControl Survey Form packet, as additional monitoring station details are required.

**Load Weighing and Related Operating Modes** **EMCO Rope Tension Load Weigher**

EMCO Rope Tension Load Weigher, Car: \_\_\_

Number of ropes:  4  5  6  7  8Roping:  1:1  2:1Rope diameter:  10mm  1/2 in  9/16in  5/8 in

If additional cars use same roping, and more load weighers are required, 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  8Roping:  1:1  2:1Rope diameter:  10mm  1/2 in  9/16in  5/8 in

EMCO Rope Tension Load Weigher, Car: \_\_\_

Number of ropes:  4  5  6  7  8Roping:  1:1  2:1Rope diameter:  10mm  1/2 in  9/16in  5/8 in

EMCO Rope Tension Load Weigher, Car: \_\_\_

Number of ropes:  4  5  6  7  8Roping:  1:1  2:1Rope diameter:  10mm  1/2 in  9/16in  5/8 in**Other Load Weighing Devices:** LW-MCEIP (Isolated Platform type required) K-Tech Strain Gauge (from MCE) K-Tech Strain Gauge (from other) Model: \_\_\_ Other Load Weigher Brand: \_\_\_ Model: \_\_\_ Discrete Load Weigher (Dry Contact Interface) Light load (Anti-nuisance) Heavy load (Hall call bypass) Overload**Security Devices****\*\*Car Call Cutouts:**  Yes  No Card Reader Dry ContactContact Rating:  120VAC (Std)  24VDC Keyed floor lockout switchesSwitch location:  Car  Hall

Number of switches: \_\_\_

Floors secured by keyswitch: \_\_\_

 Car Call Code using Car Pushbuttons**\*\*Hall Call Cutouts:**  Yes  No Card Reader Dry ContactContact Rating:  120VAC (Std)  24VDC Keyed Hall Station Lockout

Floors Secured by Keyswitch: \_\_\_

**Door Control Options During Security:**Allow Door Open Button to operate after doors closed at a secure floor:  Yes  NoCar allowed to park at secured floor:  Yes  No**Bypass Security? (Fire Service to bypass per code)** Independent Service Attendant Service Hospital Service Other (\_\_\_)**Special Security Features:** Jail Security\* Discrete to 3<sup>rd</sup> party  MCE Jail Application Deputy/Marshal Service\* Remote Car Station Control Bracelet Security / Infant Abduction\* Other\* (\_\_\_)

\*additional details must be provided

 Child / Infant Abduction / Bracelet Operation

Number of landings with detection device: \_\_\_

At which landings:

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

Allow car to continue to run if not at affected landing:

 Yes  No**\*\*Not applicable to full destination systems, please refer to DBD Survey form for security options: 42-FR-0465 (JER147)****Machine Room Monitoring (iView)**

iView is a graphical user interface used to configure, adjust, and troubleshoot the iControl platform. It can also be used for simple machine room monitoring. It is typically used in a machine room environment adjacent to the control equipment.

When utilizing an iCentral-Cue, the iVIEW component of the iControl is built into the group dispatching enclosure.

Monitor size:  20"LCD (Std)  22"Machine room Printer required:  Yes  No

If an iCOMM-CONNECT is being used, the iVIEW component supplied is not enclosed into any cabinet or enclosure.



**General Information**
**Line Voltage**

 Rated: \_\_\_\_\_ Measured: \_\_\_\_\_  60 Hz  50 Hz

 AC 3 Phase ( Symmetrical or  Grounded Leg Delta\*)

 AC 2 Phase  AC Single Phase  DC

\* Isolation Transformer required

Other Power Related Features:

 Add isolation transformer:  Yes  No

 Isolation Transformer Sequential Start:  Yes  No

 TVSS (Surge suppressor) required:  Yes  No

 Brownout Circuit:  Yes  No

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

Standard Controller SCCR (Short Circuit Current Rating):

- Up to 50 hp: 5kA
- 51-200 hp: 10kA
- 201-400 hp: 18kA

If the available fault current exceeds these standard values, please notify MCE for a quote.

 Reduced Stroke Buffers:  Yes  No

Buffer rating: \_\_\_\_\_ fpm Buffer stroke: \_\_\_\_\_ inches

 Counterweight safety  Yes  No

 Governor tail sheave dislodged switch (OSHPD)  Yes  No

 Jawless governor (tail sheave limit sw. req'd)  Yes  No

 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.

**Controller Type**
 **iControl AC** (AC Regenerative Drive Req'd:  Yes  No)  
 (Quattro Drive Required:  Yes  No)

 **iControl DC** (Quattro Drive Required:  Yes  No)

**Machine and Brake**
**Machine**  Existing  New  New by MCE

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

 Machine location:  Overhead  Basement  MRL

 Geared  Ring & Worm  Helical

 External  Tandem

 Gearless  AC PM  AC Induction  DC

 Roping:  1:1  2:1

**For MRL Applications:**
 Battery Backup Passenger Rescue with Video

 Remote Governor Set / Reset

 Coil Voltage: \_\_\_\_\_  AC  DC

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

 DC Brake (AC Brake control is not available for iControl)

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

 Coil Resistance: \_\_\_\_\_  Measured  Data Sheet

 Hot  Cold

 Contact on Brake:  Yes  No

 Type:  N/O  N/C

 Battery Brake Release (Required by controller with use of some machine models.)

 Machine Blower:  Yes  No

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

**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 may trigger the requirement to add an emergency brake as well, depending on the Code edition (i.e., change in type of service, operation or motion control; increase in rated load or speed; and replacing the driving machine or replacing the motion controller).

 Secondary/Independent Brake on machine

 Identical to Main Brake

 Other - Pick: \_\_\_\_\_ Hold: \_\_\_\_\_ Coil Resistance: \_\_\_\_\_

 Hollister Whitney Rope Gripper (120VAC)  Hilliard Brake

 Hydraulic  Linear

 Rotary (110VDC)

 Bode Rope Brake

 MK Brake (# of Coils \_\_\_\_\_)

 120VAC  Other: \_\_\_\_\_

 100VDC  210VDC

 Torin Sheave

 Brake (110VDC)  Clamp (220VAC)

 Thyssen Sheave Brake (125VDC)

 Draka Sure Stop (220VAC)

 Other: Make/Model \_\_\_\_\_

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

**Hoist Motor**
**Variable Frequency AC**
 Existing  New  New by MCE

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

Voltage: \_\_\_\_\_ FLA: \_\_\_\_\_ # Poles: \_\_\_\_\_

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

For 2-speed motors, measure the high-speed winding.

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

**Variable Voltage DC**
 Existing  New  New by MCE

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

Voltage: \_\_\_\_\_ FLA: \_\_\_\_\_ RPM: \_\_\_\_\_

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

Shunt Field Voltage:

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

Shunt Field Resistance: \_\_\_\_\_ (ohms)

 Measured  Data Sheet # of coils: \_\_\_\_\_

 Series  Series/Parallel

 Hot  Cold

Loop Circuit Armature Voltage while running:

(measured 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 Device**
 By MCE  By Customer

 Analog Tachometer (Mount:  Flange  Foot)

If gearless;

Drive sheave diameter: \_\_\_\_\_ in

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

 Digital Velocity Encoder (shaft driven device)

Encoder cable length \_\_\_\_\_ ft

## DOOR INFORMATION

### Door Information

#### Car Gate

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

#### Gate Release Solenoid (not standard) Yes No

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

#### Hoistway Doors

- Automatic passenger style doors
  - Powered freight style doors
  - Manual doors (complete below)
  - Other: \_\_\_\_\_ (complete below)
- Interlock brand and model: \_\_\_\_\_  
Closed contact  Yes  No  
Locked contact  Yes  No
- Door locking cam  
 Retiring  
(not driven by automatic passenger style car gate)  
Voltage: \_\_\_\_\_  AC 3-Ph  AC 1-Ph  DC  
Current / Fuse size:  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; at which floor(s): \_\_\_\_\_
- Dual door operators on same side for wide opening
- Cartop door open/close buttons (nonsolid state door operators)
- Door Hold Operation (Non-Fire Operation)
  - Pushbutton  Switch
  - If momentary, maximum hold time = 120 seconds
- Nudging
  - Reduced torque with buzzer
  - Buzzer only
  - Ignore photo eye after \_\_\_ second interval
  - If safety edge or door open button is activated, doors should:
    - Stop  Re-open
- Door open button  Front  Rear
- Door close button  Front  Rear

### Automatic Passenger Style Doors

#### MCE

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

#### GAL

- MOVFR I
  - MOVFR II
  - MOVFE
  - MOMVC/MOHVC
  - MOD (230V)
  - MOD (115V)
  - MODHA
  - MONXT
  - MODVC/MODHVC
  - MOA
- Voltage:  220VAC  110VAC  
(220 is default if no selection made)
- 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  VFE2500
  - 2000
- Voltage:  220VAC  115VAC  
(220 is default if no selection made)

#### 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  Existing  
Model: \_\_\_\_\_ (electrical schematic required)
- Courion  New  Existing  
Model: \_\_\_\_\_ (electrical schematic required)
- EMS  New  Existing  
Model: \_\_\_\_\_ (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 Ph. I Closing:  Automatic  Momentary pressure  
 Constant pressure

**FIXTURE INFORMATION**

**Auxiliary Car Station**  Yes  No  
 Total Number of Car Stations in each car:  
 1  2  3  4

**Call Registration Indicators**  
 Car:  Incandescent  LED  
 Voltage: \_\_\_\_\_  AC  DC  
 Hall:  Incandescent  LED  
 Voltage: \_\_\_\_\_  AC  DC

**Serial Link**  
 Call pushbuttons must be mechanical, and fixtures must be 24VDC, 6 Watt maximum.  
 Car Calls (Optional – boards to be located behind car station)  
 Hall Calls (Standard – board located in each hall p/b station)

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

Elevator Car Call Sequential Step Scanning (required by ICC A117.1 on new passenger elevators where the car call buttons are located more than 48" above the floor)

**Lanterns:**  
 Hall  Car (Indicate # of Jamb arrows: \_\_\_\_\_)  
 Lantern Signal Format:  
 Serial (3-Wire Microcom type)  
 Discrete  
 Indicator: Voltage: \_\_\_\_\_  AC  DC  
 Bulb wattage: \_\_\_\_\_  
 Gongs: Voltage: \_\_\_\_\_  AC  DC  
 Chimes: Voltage: \_\_\_\_\_  AC  DC

**Passing Floor Gong or Chime:**  Yes  No  
 Passing Floor Gong Signal Format:  
 Serial (3-Wire Microcom type)  
 Discrete  
 Fixture Voltage: \_\_\_\_\_  AC  DC  
 Passing floor enable (S) button:  Yes  No

**Voice Annunciation**  Yes  No  
 (Required for car speeds above 200 FPM)  
 Annunciator device provided by:  CE Electronics  
 Other: \_\_\_\_\_  
 Annunciator Signal Format:  
 Serial (3-Wire Microcom type)  
 Discrete ( One line per floor or  Binary)

**Special Notes:**  
[Enter Here](#)

**Destination Based Operation:**  Yes  No  
 If Yes, Please Complete DBD Survey form: 42-FR-0465 A1 (JER147)

**Lobby Panel**  
 Yes (Please provide details and/or DWGs of this panel) \_\_\_\_\_  
 No

**Status Indicators**

Type	Volts	AC	DC
Attendant Service <input type="checkbox"/> Status ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer) <input type="checkbox"/> Annunciator Panel (Displaying hall calls registered)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Call Status Registration Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
Door Status <input type="checkbox"/> Hold <input type="checkbox"/> Left Open <input type="checkbox"/> Door Close Warning ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
Earthquake Service (** denotes 2016 or later) <input type="checkbox"/> EQ Slow Speed** (Required in COP for EQ hoistway scan) <input type="checkbox"/> EQ Mode (COP) ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer)** <input type="checkbox"/> Seismic Status (Adjacent to each inspection station)** <input type="checkbox"/> Adjacent to Controller <input type="checkbox"/> Adjacent to cartop inspection station <input type="checkbox"/> Adjacent to in-car inspection Switch <input type="checkbox"/> Other inspection stations (list) _____ <input type="checkbox"/> Alarm bell in building audible in each car (activated by alarm button COP; not powered by controller)** <input type="checkbox"/> Per car <input type="checkbox"/> Per group	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
Emergency Power Operation <input type="checkbox"/> Recall (Phase 1) <input type="checkbox"/> Car Selected to Run (Phase 2) <input type="checkbox"/> Car at Recall Floor with Doors Open	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> EMT Service (Emergency Medical Technician) <input type="checkbox"/> Car <input type="checkbox"/> Hall ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer) <input type="checkbox"/> Recall (Phase 1) <input type="checkbox"/> Car Selected to Run (Phase 2) <input type="checkbox"/> Car at Recall Floor with Doors Open	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Fire Service ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hospital Service ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In-Service Light ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> In-Use Light	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Load Status ( <input type="checkbox"/> Light <input type="checkbox"/> Heavy <input type="checkbox"/> Overload)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Nudging Buzzer	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Out of Service ( <input type="checkbox"/> Light <input type="checkbox"/> Buzzer)	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>	<input type="checkbox"/> 24 <input type="checkbox"/> 120 <input type="checkbox"/> Other:	<input type="checkbox"/>	<input type="checkbox"/>

**Position Indicators**

MCE C.E. Electronics Serial Interface Driver (MicroComm)  
 MCE E-Motive Serial Interface Driver  
 MAD or  Other (Customer Supplied Serial Device)  
 (discrete signals from MCE only – fill in \*Discrete Digital Section below)  
 Serial PI fixtures located in:  Car  Hall  
 If hall, indicate landing #: \_\_\_\_\_ Floor label: \_\_\_\_\_

Discrete Multi-Light  
 Car  with direction arrows  
 Voltage: \_\_\_\_\_  AC  DC  
 Hall  with direction arrows  
 Voltage: \_\_\_\_\_  AC  DC  
 At landing #: \_\_\_\_\_ Floor label: \_\_\_\_\_

\*Discrete Digital Brand & Model: \_\_\_\_\_ Driver Location(s): \_\_\_\_\_  
 Car \_\_\_\_\_  with direction arrows  
 Hall \_\_\_\_\_  with direction arrows  
 At landing #: \_\_\_\_\_ Floor Label: \_\_\_\_\_  
 Signal Format:  
 One line per floor  
 Binary (Code begins at 1<sup>st</sup> landing 00 01)  
 Grey Code  
 Signal Voltage:  
 120VAC (Standard)  
 24VDC  
 Other  
 Voltage: \_\_\_\_\_  AC  DC  
 If DC, common is:  Positive  Negative





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

# iControl Traction Engineering Survey Form

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Doc #42-FR-0449 B6 (JER117)

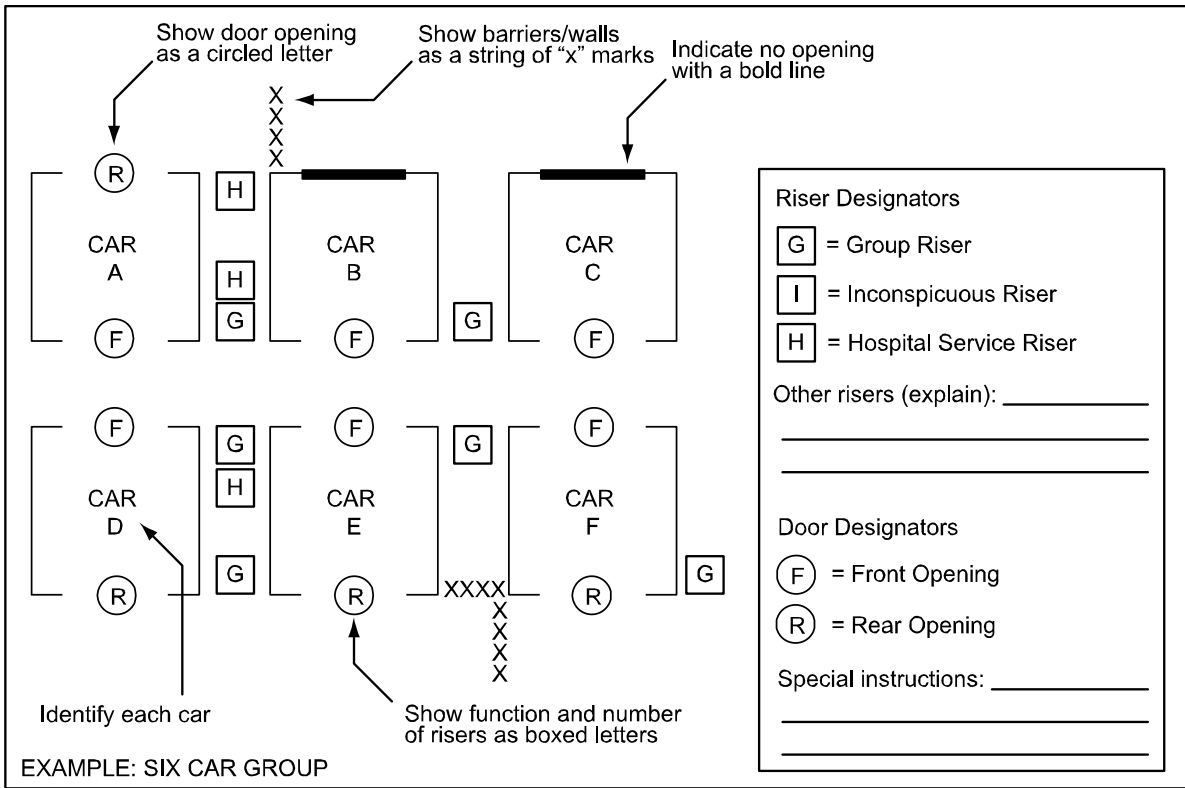
## LANDINGS & OPENINGS

### Landings & Openings

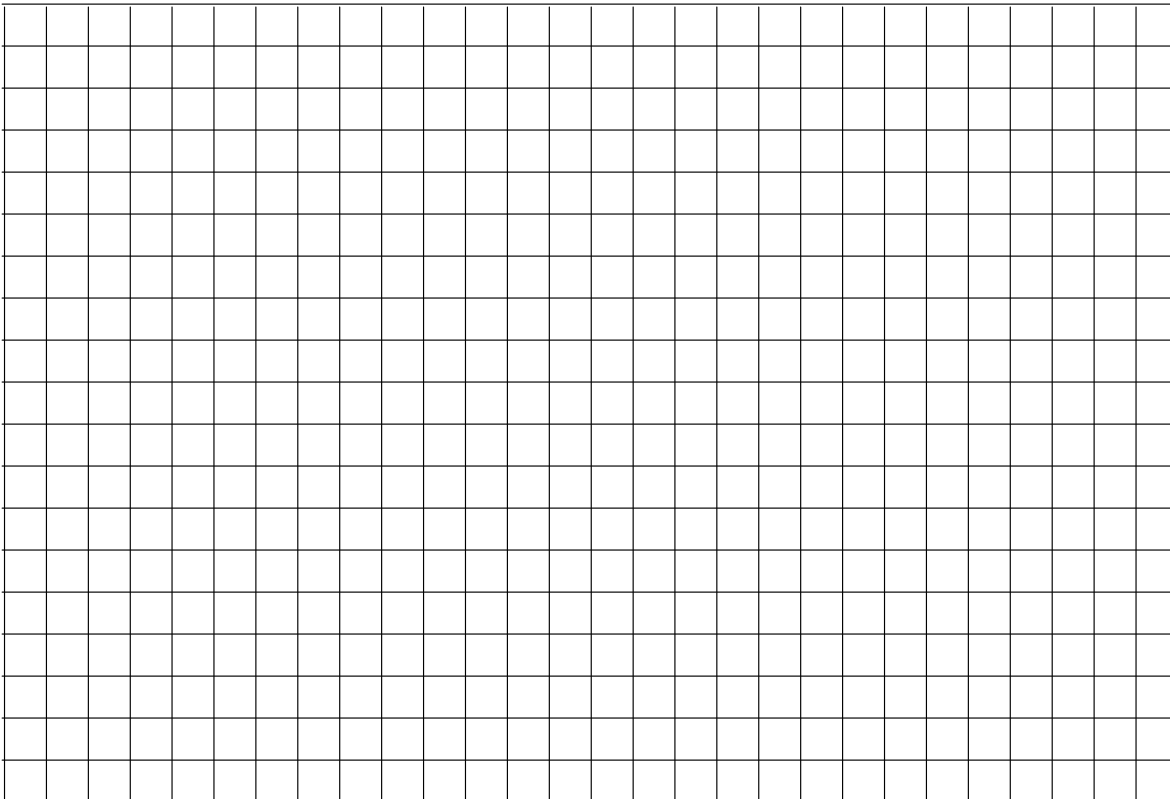
If more than 32 landings and/or 10 cars, please use additional sheets.

Ldg #	Floor Label	Floor Height	Car		Car		Car		Car		Car		Car		Car		Car		Car			
			F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R		
<b>O.H.</b>																						
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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>PIT</b>																						
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																						

**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)



**Monitoring Application Required:**

MCE application:  iMONITOR  iREPORT  
 3<sup>rd</sup> party Monitoring System:  BMS-LINK (via BACnet)

Number of remote monitoring stations required:  1  2  3  Other (provide details) \_\_\_\_\_

When ethernet cabling runs are greater than 100m (328 ft), network (hyper) extenders are required.

Where needed, network extender to be provided by:  MCE  Others

Number of elevator systems to be monitored:  1  2  3  Other (provide details) \_\_\_\_\_

Please provide additional details regarding the elevator systems (simplex, duplex, & groups) below:

ELEVATOR IDENTIFICATION/REFERENCE	# OF CARS	PRODUCT TYPE (M2K, M4K, ICONTROL, IMC, PTC, ELEMENT)	MCE JOB NUMBER (IF APPLICABLE)
Example: State Capitol #1 to #3	3	iControl	2020012345
1)			
2)			
3)			
4)			
5)			
6)			

**iMonitor Station #1**

**Station location:**  Lobby/Concierge Desk  Security Office (@ floor \_\_\_\_\_)  
 Fire Control Room  Engineering Office (@ floor \_\_\_\_\_)  
 Building Manager's Office (@ floor \_\_\_\_\_)  
 Estimated distances between monitoring station #1 and above elevator systems:  
 (1) \_\_\_\_\_ (ft) (2) \_\_\_\_\_ (ft) (3) \_\_\_\_\_ (ft) (4) \_\_\_\_\_ (ft) (5) \_\_\_\_\_ (ft) (6) \_\_\_\_\_ (ft)

**Hardware provided by:**  MCE  Others  
**PC:**  Desktop (recommended)  Laptop  
**Monitor size:**  20" (standard)  22"  
 22" Touchscreen (iMonitor only)  
**Printer required at this location:**  Yes  No

**iMonitor Station #2**

**Station location:**  Lobby/Concierge Desk  Security Office (@ floor \_\_\_\_\_)  
 Fire Control Room  Engineering Office (@ floor \_\_\_\_\_)  
 Building Manager's Office (@ floor \_\_\_\_\_)  
 Estimated distances between monitoring station #2 and above elevator systems:  
 (1) \_\_\_\_\_ (ft) (2) \_\_\_\_\_ (ft) (3) \_\_\_\_\_ (ft) (4) \_\_\_\_\_ (ft) (5) \_\_\_\_\_ (ft) (6) \_\_\_\_\_ (ft)

**Hardware provided by:**  MCE  Others  
**PC:**  Desktop (recommended)  Laptop  
**Monitor size:**  20" (standard)  22"  
 22" Touchscreen (iMonitor only)  
**Printer required at this location:**  Yes  No

**iMonitor Station #3**

**Station location:**  Lobby/Concierge Desk  Security Office (@ floor \_\_\_\_\_)  
 Fire Control Room  Engineering Office (@ floor \_\_\_\_\_)  
 Building Manager's Office (@ floor \_\_\_\_\_)  
 Estimated distances between monitoring station #3 and above elevator systems:  
 (1) \_\_\_\_\_ (ft) (2) \_\_\_\_\_ (ft) (3) \_\_\_\_\_ (ft) (4) \_\_\_\_\_ (ft) (5) \_\_\_\_\_ (ft) (6) \_\_\_\_\_ (ft)

**Hardware provided by:**  MCE  Others  
**PC:**  Desktop (recommended)  Laptop  
**Monitor size:**  20" (standard)  22"  
 22" Touchscreen (iMonitor only)  
**Printer required at this location:**  Yes  No

**iMonitor Station #4**

**Station location:**  Lobby/Concierge Desk  Security Office (@ floor \_\_\_\_\_)  
 Fire Control Room  Engineering Office (@ floor \_\_\_\_\_)  
 Building Manager's Office (@ floor \_\_\_\_\_)  
 Estimated distances between monitoring station #4 and above elevator systems:  
 (1) \_\_\_\_\_ (ft) (2) \_\_\_\_\_ (ft) (3) \_\_\_\_\_ (ft) (4) \_\_\_\_\_ (ft) (5) \_\_\_\_\_ (ft) (6) \_\_\_\_\_ (ft)

**Hardware provided by:**  MCE  Others  
**PC:**  Desktop (recommended)  Laptop  
**Monitor size:**  20" (standard)  22"  
 22" Touchscreen (iMonitor only)  
**Printer required at this location:**  Yes  No

**iREPORT**

When a project requires a reporting component, only (1) building iREPORT system is required per building, as long as network connectivity is available from all elevator systems.

iREPORT consists of a client and a server. The client application of the iREPORT can reside on any/all network PCs that have connectivity to the iREPORT server.

The server application (database) is a separate PC which is located on the elevator network which collects all elevator system events that occur. Server PC can be in the elevator machine room or at any of the iMONITORing locations.

If required, is there a specific location that is set up for this PC?

Yes  
 iREPORT PC to located at:  iMonitor Station # \_\_\_\_\_  
 Other (please provide details)  
 No (MCE Engineering to determine)