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

**Note:** For any feature, accessory, or provision NOT listed, Element Series will not be able to meet the requirements of your application. Please contact your MCE Sales Account Manager for an alternate product price quotation.

**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.**

**Contact:**

- Phone: 
- Fax: 
- Cell: 
- Email: 
- Company name: 
- Signature: 

**Elevator Safety Code Compliance**

Accurate information is essential.

**North American Compliance:**

- U.S. 
- Canada

**ASME A17.1/B44 Edition:**

- 2016 
- 2013 
- 2010 
- 2007 
- 2004 
- 2000

**Addenda/Supplements:**

- 2008(a) 
- 2005(a) 
- 2002(a)
- 2009(b) 
- 2005(S) 
- 2003(b)
- ASME A17.1-1996 Addenda: 1997(a) 1998(b)

**Additional state or local code compliance**

- Chicago 
- Denver 
- Pressurized hoistway
- Maryland
- Massachusetts (2004)
- Michigan (NOTE: Detroit not supported.)
- Nebraska
- New York City
- Washington State Seattle
**Selective Collective** (Supports single riser installation only)

- **Simplex**
- **Duplex**

### Hoistway Configuration, Speed & Capacity

<table>
<thead>
<tr>
<th>Floor Label</th>
<th>Landing #</th>
<th>Floor Height</th>
<th>Car</th>
<th>Car</th>
<th>Lobby Floor</th>
<th>Parking Floor</th>
<th>Fire Service Recall Landing</th>
<th>Car Call Security</th>
<th>Pit Flood Operation</th>
<th>EMT Service</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Main</td>
<td>Alternate</td>
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<td>Alternate</td>
<td>Key Floor Lockout</td>
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<td></td>
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</tr>
</tbody>
</table>

**Select floors served:**

| O.H. |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

- **Capacity**
  - lbs
  - kg

- **Up Speed**
  - fpm
  - m/s

- **Down Speed:**
  - fpm
  - m/s

- **Total Car Travel:**
  - ft
  - m

---

* Floor Label note: For CE or E-Motive driver board, floor label should not be more characters than the number of digital PI display characters (999)

** Card Reader Dry Contact note: If selected, all floors will be secured by default. However, this can be changed in the controller configuration menu.
### Line Voltage

3-Phase AC Line Voltage (actual measured line voltage)
- Symmetrical
- Grounded Leg Delta (ISO transformer required)

Choose closest selection below:
- 208
- 220
- 240
- 440
- 460
- 480
- 575
- 600
- 60 Hz (standard in U.S.)
- 50 Hz

### Hydraulic Data

**IMPORTANT:** Only single motor operation and standard 4-coil, 120 VAC, valves are supported by this product.

#### Solid State Motor Starter
- Brand: Siemens, Sprecher + Schuh

#### Pump Motor
- Motor brand:
- HP: ______
- Voltage: ______
- Number of Leads: 3, 6, 9, 12
- Starts per hour: 80, 120

#### Valve Type (120 VAC / 4 coil valve)
- Brand: EECO, Maxton, Blain, TKE

#### Hydraulic Features
- Battery Rescue (MCE HAPS)
- Life Jacket Interface
- Low Oil Switch
- Contact Status: N/O, N/C
- Oil Tank Temperature Shutdown Switch
  - (required for A17.1-2010/B44-10 and later)
- Pressure Switch Interface
  - (required when top of cylinder is above top of storage tank)
- Viscosity Control

### Operating Features

#### Earthquake Service
- Seismic Switch
- By MCE
- By Customer

#### Emergency Power Generator
- **Simplex**
  - Resume operation after recovering to closest floor
- **Duplex**
  - Sequentially lowers both cars to lobby. 3-position Emergency power/standby switch (Auto / Car A / Car B) will select which elevator to run.

#### Fire Service Operation
- **Fire Operation Provided as Standard**
- **Additional Phase 1 Recall Switch**
- **Nudging during Fire Recall**

#### Inspection/Access Requirements
- **Car Top Inspection Station by MCE (NEMA 1 only)**
- **In-Car Inspection (2-position switch)**
- **With Up/Down Buttons**
- **Hoistway Access (2-position switch on COP required)**
  - Top
  - Bottom

#### Load Weigher
- **Discrete Load Weigher Interface**

#### Recall Switch
- **Car to Lobby Switch**
  - Recall Landing:
  - Park with doors: Open, Closed
  - Location of Switch: Car, Hall
- **Car to Floor Switch**
  - Recall Landing:
  - Park with doors: Open, Closed
  - Location of Switch: Car, Hall
- **Car Shut Down Switch**
  - Recall Landing:
  - Park with doors: Open, Closed
  - Location of Switch: Car, Hall

### Hoistway

**IMPORTANT:** Only NEMA 1 hoistway supported on this product.

#### Landing System
- Distance Feedback
  - LS-EDGE
  - Non-distance feedback
    - LS-QUTE-24
    - Customer Supplied
- Tape Length Required (ft):
- Tape Type
  - Steel (Standard)
  - Stainless Steel

#### EECO Limit Switch
- (Note: Mechanical limits are not required with LS-EDGE landing system)

#### Element Traveling Cable (see page 5 for details)
- (Hang length maximum 200 ft.)
  - Cable Length Required (ft):
  - Cable Accessories
  - Kellem Grips
### Automatic Passenger Style Doors

**IMPORTANT:** Only fully automatic, horizontally-sliding, passenger-style doors are supported on this product.

<table>
<thead>
<tr>
<th>Door Operator</th>
<th>Manufacturer</th>
<th>Model</th>
<th>Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armor</td>
<td>C4</td>
<td>SmarTraq Upgrade Kit</td>
<td>Built-in</td>
</tr>
<tr>
<td>ECI</td>
<td>1000</td>
<td>Built-in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2000</td>
<td>Built-in</td>
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<tr>
<td></td>
<td>VFE 2500</td>
<td>Built-in</td>
<td></td>
</tr>
<tr>
<td>GAL</td>
<td>MOD (220V only)</td>
<td>Built-in</td>
<td></td>
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<tr>
<td></td>
<td>MODHFL</td>
<td>Built-in</td>
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<tr>
<td></td>
<td>MODP</td>
<td>Built-in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MOVFR (220V only)</td>
<td>Built-in</td>
<td></td>
</tr>
<tr>
<td>Haughton</td>
<td>T</td>
<td>IPC Universal Interface</td>
<td>SmarTraq Upgrade Kit</td>
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<td></td>
<td>T1</td>
<td>IPC Universal Interface</td>
<td>SmarTraq Upgrade Kit</td>
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<td>TH</td>
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<td>SmarTraq Upgrade Kit</td>
</tr>
<tr>
<td>MCE</td>
<td>SmarTraq</td>
<td>Built-in</td>
<td></td>
</tr>
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<td>Montgomery</td>
<td>MAC PMISSC</td>
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<td>7782</td>
<td>IPC Universal Interface</td>
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<td>Otis</td>
<td>6970A - Reactance</td>
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<tr>
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<td>6970A - Resistance</td>
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</tr>
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<td>OVL (Gear Ratio 6.67:1)</td>
<td>IPC Universal Interface</td>
<td>SmarTraq Upgrade Kit</td>
</tr>
<tr>
<td></td>
<td>OVL (Gear Ratio 11.33:1)</td>
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<td>TKE/Dover</td>
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<td>DC-62</td>
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<td>AA</td>
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<td>SmarTraq Upgrade Kit</td>
</tr>
<tr>
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<td>SmarTraq Upgrade Kit</td>
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<tr>
<td></td>
<td>BB</td>
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<td>BB2</td>
<td>IPC Universal Interface</td>
<td>SmarTraq Upgrade Kit</td>
</tr>
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<td>E4A</td>
<td>IPC Universal Interface</td>
<td>SmarTraq Upgrade Kit</td>
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<tr>
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<td>EZ</td>
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<td>MG</td>
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<tr>
<td></td>
<td>MS</td>
<td>IPC Universal Interface</td>
<td>SmarTraq Upgrade Kit</td>
</tr>
</tbody>
</table>

**Built-in:** Door operator interface is built-in. The controller can interface with the door operator directly.

**IPC Universal Interface:** Interface with existing operator to open loop. Uses IPC Universal Interface Board.

**SmarTraq Upgrade Kit:** Upgrades existing door operator to closed loop. Comes with drive interface and motor.

#### Door Features
- Door Hold Operation (non-fire operation)
  - Switch
  - Button (default hold time = 120 seconds)
- Infrared detector unit/photo eye
- Cut-out switch in COP
- Nudging Output†
  - Buzzer only (doors remain open)
  - Reduced closing torque & buzzer
  - Nudging with stuck photo eye

† Buzzers/Lights must be 24VDC

#### Fixtures
- **Auxiliary Car Station**
  - Discrete wiring to main COP board.
  - Provide additional serial COP board.
- **Call Registration**
  - Serial Car Call (standard)
  - Serial Hall Call (standard)
- **Lanterns & Gongs/Chimes**
  - Car Lanterns†
  - Discrete  Serial 3-wire
  - Hall Lanterns† (Only Serial 3-wire supported)
  - Passing Floor Gong†
  - Passing Floor Gong Enable (“S”) Button Interface

† Buzzers/Lights must be 24VDC

#### Indicators†
- Call Registration Buzzer
- Door Hold Light
- Egress Floor Gong
- In-Service Light
- Security Light

† Buzzers/Lights must be 24VDC

#### Serial Fixture Driver Format
- CE Electronics 3-Wire Micro Comm
- E-Motive 3-Wire Driver

#### Serial Fixture Pre-Wire
- Ship Serial Boards to fixture manufacture for pre-wire:
  - Contact Person: __________
  - Phone#: ________
  - C.E. Electronics
  - EPCO
  - Dupar
  - Innovation Industries
  - Monitor
  - Mad
  - ERM
  - PTL
  - Elevator Contractor Office
  - Other

Which boards to be sent? COP Hall Station Node

#### Voice annunciation
- MCE CE 3-wire driver board interface (built into controller)
- Other: ________
Motion Control Engineering
Voice: 916 463 9200
Fax: 916 463 9201

Element Hydraulic Engineering Survey Form

Element Traveling Cable

Part Number: 44-03-0048
Maximum length: 200 feet

Overall Diameter: 1.37 inches (34.7 mm).
Cable Net Weight: 946 lbs/1000 ft (1407 kg/km).

Conductors: Stranded bare soft drawn copper.

Insulation: 60 degrees C, 300 volt rated.

Shielded Pairs: 2 twisted 20 AWG conductors, copper braid shield, PVC jacket.

Braid: Rayon, 95% coverage of the core.

Jacket: 60 degree C PVC with wear-resistant surface. Retards flame, inhibits oxidation, resists effects of sunlight, water, oil, weathering effects, and most solvents and chemicals.

18 AWG Wires: 34
20 AWG Pairs: 5
14 AWG Wires: 6

<table>
<thead>
<tr>
<th>18 AWG</th>
<th>20 AWG Pair</th>
<th>14 AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductor #</td>
<td>Insul Color</td>
<td>Conductor Color</td>
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<tr>
<td>SPD1</td>
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<td>Blue</td>
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<td>DZ</td>
<td>Blue</td>
<td>Black/White</td>
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<tr>
<td>+24</td>
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</tr>
<tr>
<td>Wire1 - 10</td>
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</tr>
</tbody>
</table>

Caution: Hoistway and traveler cables support general requirements for most installations. The customer is solely responsible for making certain that the wire count and type, cable attributes, and length are sufficient before ordering product.