



Warning: Review Before Submittal

- Failure to Provide Accurate and Complete Information could result in the following: Delayed Controller Shipment, Price Change, and Incurred Engineering Charges.
- If a job specification is included you must complete the 'Build to Job Specification' section on page 3.
- All Fixtures must be 24 VDC / 6 Watts Max.
- If a category is not completed, the **default** option will be assumed.

TRACTION AC - Table of Contents by Page

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| 1. Job Information | 6. Fixtures |
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| 4. Motor/Encoder, and Brake Data | 9. Elevator(s) Physical Layout |
| 5. Features & Functions | |

This document can be edited, saved, and submitted electronically using Adobe Reader.

Job Details

Job Name:
PO #:
Job Location (City & State)

Market Segment:

- | | | |
|------------------------------------|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> Federal | <input type="checkbox"/> Health Care | <input type="checkbox"/> Financial |
| <input type="checkbox"/> Education | <input type="checkbox"/> Hospitality | <input type="checkbox"/> Residential |
| | | <input type="checkbox"/> Other |

Purchasers Information: (If Packager, Fill in End User Info on Right)

Name:
Title:
Company:
Phone: Fax:
Cell:
Email:

Engineering Contact Information: (If different than above)

Name:
Phone: Fax:
Cell:
Email:

Date Filled Out

End User Information: (For Packager Use Only)

Name:
Title:
Company:
Phone: Fax:
Cell:
Email:

Job Site Address (Address Where Controller(s) Will Be Installed)

Street:
City:
State:
Zip Code:

Building Owner/Manager Information

Name:
Phone:
Email:
Street:
City:
State:
Zip Code:

FULL ELEVATOR SYSTEMS

Should you have a need for complete or partial elevator systems, contact Smartrise Sales for more information.

Smartrise Packager Partners

*Alliance * AVT Lifts *Canton * Delaware Manufacturing * EV Elevator Intl
*IGV * MEI*

*Modular Elevator * Phoenix Modular*

Shipping Information

Contact Name:
 Phone:
 Contact Fax/Email:

Smartrise Call Prior to Shipping: ☐ Yes ☐ No
 Carrier Call for Delivery Appointment: ☐ Yes ☐ No
 Lift Gate Required: ☐ Yes ☐ No

Freight Terms

Use Smartrise Carrier: ☐ Yes ☐ No
☐ Will Call
☐ Pre-paid

Customer's Carrier Name:
 Carrier's Account Number:
☐ Collect ☐ Third-Party
 Third-Party Billing (Duties & Taxes)

Ship to Name/Company:
 Shipping Address:

Bill To Address:

Shipping Schedule

| Controller(s) | Desired Ship Date from Smartrise | Controller(s) | Desired Ship Date from Smartrise |
|----------------------|----------------------------------|----------------------|----------------------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Note: Desired ship date from Smartrise is not an arrival date.

Additional Shipping Instructions

Pre-wire Fixtures (Must be 24 VDC / 6 Watt Max)

Not Required ☐

Pre-wire COP Boards: ☐ Yes ☐ No (Default)
 Pre-wire Hall Boards: ☐ Yes ☐ No (Default)

Fixture Manufacturer

☐ Innovation ☐ ECC ☐ Other
☐ Monitor ☐ MAD
☐ PTL ☐ Otis
☐ RSL Car Calls
☐ RSL Hall Calls

Company Name:
 Ship to Address:

Job Reference: Contact Person at Mfg.

Electrical Main Line and Transformer Specification

Main Line Specification:

 Main Line Volts (Transformer required if motor volts are 10% greater than main line)☐ Three Phase (Default)☐ Single Phase Hz (Main Line is 60Hz unless stated otherwise)

Main Line Transformer (If Customer Requires)

☐ Provided by Smartrise☐ Provided By Customer (Customer to provide drawing) Secondary Voltage kVA☐ Data Plate Copy Included

Configuration

☐ Simplex # Cars☐ Group # Cars in Group # of Hall Risers/Group☐ Group Redundancy☐ Swing Riser, Car # ☐ Selective Collective (2 buttons/floor, multiple calls)☐ Non-Selective Collective (1 button/floor, multiple calls)☐ Non-Selective Non-collective (1 button/floor, 1 call at a time)

Build to Job Specifications

Not Required ☐☐ We will review the spec and will provide a list of exceptions when necessary.☐ Job needs to be built to meet Engineering Specifications in Document provided EXCEPT those listed below (Provide Page/Section & Description of exceptions)

Environmental Considerations

Not Required ☐☐ Controller Cabinet Air-pressure cooled (Add Vortex)
(Customer to provide Air Compressor)☐ Controller Cabinet Air conditioned cooled (Add A/C Unit) Controller☐ Cabinet Forced Air cooled (Add fan and filter)☐ Arc Flash Protection☐ Special attention to hoistway shaft (Provide details in notes below)☐ Outdoor or Hostile (Industrial Environment) NEMA Rating for Machine Room Controller Cabinet (If required, Default NEMA 1) NEMA Rating for Top of Car Enclosure (If required, Default NEMA 1) NEMA For Landing System (If required, Default NEMA 1)

Connection Package

☐ SmartConnect Package - Recommended
(Pre-Wired Car Top Inspection Box Included)

Car Operating Panel

☐ Single Panel (Default)☐ Other☐ Dual Panels☐ Remote Panel

Notes and Special Instructions

ASME 17.1 Elevator Safety Code Compliance

☐ 2016☐ 2013☐ 2010☐ 2007☐ 2004☐ 2000

Additional Local Code

☐ NYC (Appendix K)☐ No Fire Service☐ MASSACHUSETTS

Controller Layout Preference

☐ Standard (MR, CT, and COP) (Default)☐ No Cartop☐ No COP☐ Custom:

We will notify you if the preference chosen cannot be honored

Traction Features, Motor/Encoder, and Brake Data

TRACTION DC - Engineering Data Form – Page 4

Rev 5.0 201029

| Traction Features (<input type="checkbox"/> Features for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | |
|---|----------------|----------|---|---|
| Car | Contract Speed | Capacity | Encoder Provided By | Customer Supplied Encoder Info |
| 1 | | | <input type="checkbox"/> Smartrise (Default) <input type="checkbox"/> None <input type="checkbox"/> Customer (Include info in notes) | Make <div style="border: 1px solid black; height: 20px; width: 100%;"></div> Model <div style="border: 1px solid black; height: 20px; width: 100%;"></div> |
| 2 | | | <input type="checkbox"/> Smartrise (Default) <input type="checkbox"/> None <input type="checkbox"/> Customer (Include info in notes) | |
| 3 | | | <input type="checkbox"/> Smartrise (Default) <input type="checkbox"/> None <input type="checkbox"/> Customer (Include info in notes) | |
| 4 | | | <input type="checkbox"/> Smartrise (Default) <input type="checkbox"/> None <input type="checkbox"/> Customer (Include info in notes) | |

| Additional Motor Data for DC Motors (<input type="checkbox"/> Data for all cars is the same as car 1) | | | | | | | | | Below values measured at what Car Speed: <input type="text"/> | | | |
|--|-----------------|--------------------|------------------|--------------------------|--|------------------|---|---|---|------------------------------|----------------------------|------------------------------|
| Field Values - Failure to provide data will result in delay of controller shipment | | | | | | | | | Armature Values (at Contract Speed) <small>Failure to provide data will result in delay of controller shipment</small> | | | |
| Car | Forcing Voltage | Full Speed Voltage | Standing Voltage | Ripple Filter | Coil Config. | Field Resistance | Resistance Value Acquired From | Resistance Value While Coil Is ... | Up at Contract Speed (VDC) | Down at Contract Speed (VDC) | Up at Full Capacity (amps) | Down at Full Capacity (amps) |
| 1 | | | | <input type="checkbox"/> | <input type="checkbox"/> Series <input type="checkbox"/> Parallel | | <input type="checkbox"/> Datasheet <input type="checkbox"/> Measured | <input type="checkbox"/> Cold <input type="checkbox"/> Hot | | | | |
| 2 | | | | <input type="checkbox"/> | <input type="checkbox"/> Series <input type="checkbox"/> Parallel | | <input type="checkbox"/> Datasheet <input type="checkbox"/> Measured | <input type="checkbox"/> Cold <input type="checkbox"/> Hot | | | | |
| 3 | | | | <input type="checkbox"/> | <input type="checkbox"/> Series <input type="checkbox"/> Parallel | | <input type="checkbox"/> Datasheet <input type="checkbox"/> Measured | <input type="checkbox"/> Cold <input type="checkbox"/> Hot | | | | |
| 4 | | | | <input type="checkbox"/> | <input type="checkbox"/> Series <input type="checkbox"/> Parallel | | <input type="checkbox"/> Datasheet <input type="checkbox"/> Measured | <input type="checkbox"/> Cold <input type="checkbox"/> Hot | | | | |

| Motor/Encoder Data (<input type="checkbox"/> Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | | | | | | | | | | |
|--|---------------------|-------------|-----|----|-----|--|--|------------|-------------|------------|-------------|----------------|---------------|
| Car | Machine Brand/Model | Motor Volts | FLA | HP | RPM | Machine Type | Location | Rope Ratio | Sheave Dia. | Gear Ratio | Encoder PPR | Enc Cbl Length | Enc Shaft Dia |
| 1 | | | | | | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | | | | | | |
| 2 | | | | | | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | | | | | | |
| 3 | | | | | | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | | | | | | |
| 4 | | | | | | <input type="checkbox"/> Geared <input type="checkbox"/> Gearless | <input type="checkbox"/> Overhead <input type="checkbox"/> Basement | | | | | | |

| Brake Data (<input type="checkbox"/> Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment | | | | | | | | | | | |
|--|--|-----------------------|----------------------|-----------------|---------------|--|--|---|----------|--------|----------|
| Car | DC/AC | Pick Volts (DC or AC) | Hold Volts (DC Only) | Coil Resistance | Coil Amperage | Emergency (2 nd) Brake | | Independent (2 nd) Brake Data | | | |
| | | | | | | | | Pick VDC | Hold VDC | Coil Ω | Coil Amp |
| 1 | <input type="checkbox"/> DC <input type="checkbox"/> AC (3-Phase) (Default) <input type="checkbox"/> AC (1-Phase) | | | | | <input type="checkbox"/> 120 VAC Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake | <input type="checkbox"/> Independent 2nd DC Brake on Motor | | | | |
| 2 | <input type="checkbox"/> DC <input type="checkbox"/> AC (3-Phase) (Default) <input type="checkbox"/> AC (1-Phase) | | | | | <input type="checkbox"/> 120 VAC Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake | <input type="checkbox"/> Independent 2nd DC Brake on Motor | | | | |
| 3 | <input type="checkbox"/> DC <input type="checkbox"/> AC (3-Phase) (Default) <input type="checkbox"/> AC (1-Phase) | | | | | <input type="checkbox"/> 120 VAC Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake | <input type="checkbox"/> Independent 2nd DC Brake on Motor | | | | |
| 4 | <input type="checkbox"/> DC <input type="checkbox"/> AC (3-Phase) (Default) <input type="checkbox"/> AC (1-Phase) | | | | | <input type="checkbox"/> 120 VAC Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake | <input type="checkbox"/> Independent 2nd DC Brake on Motor | | | | |

Hollister-Whitney Rope Gripper if NOT 120 VAC. Specify Voltage:

Motor Control Preference

- ☐ Magnetek DSD 412 (Default)
☐ Magnetek Quattro DC (Enclosed)

Filters

- ☐ Line Reactor
☐ EMI/RFI Filter
☐ Harmonic Filter

We will notify you if the preference chosen cannot be honored

Notes and Special Instructions

| Special Features | Not Required <input type="checkbox"/> |
|---|---------------------------------------|
| <input type="checkbox"/> Remote (2 nd) Fire Key Switch & Lamp | <input type="checkbox"/> Shunt-Trip |
| <input type="checkbox"/> Earthquake (Includes Buzzer and Lamp) | <input type="checkbox"/> Flood Sensor |
| <input type="checkbox"/> Car-to-Lobby Key Switch | <input type="checkbox"/> 'S' Button |
| <input type="checkbox"/> Fan and Light Auto Shutoff Circuit (CT only) | |
| <input type="checkbox"/> Machine Room Cabinet Light | |
| <input type="checkbox"/> Machine Room Cabinet Power Plug | |

| Special Modes of Operation | Not Required <input type="checkbox"/> |
|--|---------------------------------------|
| <input type="checkbox"/> Independent Service (Default) | |
| Hoistway Access <input type="checkbox"/> Yes (Default) <input type="checkbox"/> No | |
| <input type="checkbox"/> In-Car Inspection Switch (Uses top/bottom car calls) | |
| <input type="checkbox"/> CT Inspection will not work unless an In-Car Key Switch is active (Access or IC Inspection) | |
| <input type="checkbox"/> Non-standard | |
| Medical Emergency Service (Provide floor(s) on page 8) <input type="checkbox"/> Building is a Hospital with keys at every floor <small>In Car Buzzer, In Car Lamp, and Hallway Lamp at each floor are included</small> <input type="checkbox"/> Non-Hospital – Phase 1 key at main level only <small>In Car Buzzer and In Car Lamp are included</small> | |
| <input type="checkbox"/> Sabbath (Attach spec) | |
| <input type="checkbox"/> Times Start <input style="width: 100px;" type="text"/> End <input style="width: 100px;" type="text"/> | |
| <input type="checkbox"/> Key Switch | |
| <input type="checkbox"/> Patient Security Other (Attach spec) <div style="border: 1px solid black; height: 20px; width: 100%;"></div> | |

| Attendant Service | Not Required <input type="checkbox"/> |
|---|---------------------------------------|
| <input type="checkbox"/> Attendant Service (Is NOT Independent Service) <input type="checkbox"/> In Car Buzzer <input type="checkbox"/> In Car Lamp Choose 1: <input type="checkbox"/> Hall Call Above/Below Lamps (Default) <input type="checkbox"/> Non-directional (All hall call lamps) <input type="checkbox"/> Other: _____ | |

| Emergency Power (If generator can not run all cars) | Not Required <input type="checkbox"/> |
|--|---------------------------------------|
| E.P. Contact from Generator is <input type="checkbox"/> Normally Open <input type="checkbox"/> Normally Closed Power Pre-Transfer Contact from Generator is <input type="checkbox"/> Normally Open (Default) <input type="checkbox"/> Normally Closed <input type="checkbox"/> Not Present <input type="checkbox"/> Emergency Power Car Selector Switch <input type="checkbox"/> Single Car Selection (Default) <input type="checkbox"/> Multiple Car Selection (Provide details below) <input style="width: 50px;" type="text"/> Number of cars the generator can operate simultaneously <small>(Default value is 1 car)</small> <input type="checkbox"/> Generator powers other Simplex/Groups | |

| Car Call Security (Specify floors on page 8) | Not Required <input type="checkbox"/> |
|---|---------------------------------------|
| <input type="checkbox"/> Using COP Floor Buttons as Code Entry | |
| <input type="checkbox"/> Using Dry Contacts from Card Readers and/or Key Switches <input type="checkbox"/> Input in Car Station (Default) <input type="checkbox"/> Input in Machine Room | |
| <input type="checkbox"/> Override Security When on Independent Service or Attendant Service | |
| <input type="checkbox"/> Provide a Car Call Security Override Input <input type="checkbox"/> Input in Car Station (Default) <input type="checkbox"/> Input in Machine Room | |
| <input type="checkbox"/> Door Open Button Functions on Secured Landings | |
| Other Considerations <div style="border: 1px solid black; height: 150px; width: 100%;"></div> | |

| Hall Call Security | Not Required <input type="checkbox"/> |
|---|---------------------------------------|
| <input type="checkbox"/> Provide Enable/Disable all Hall Calls Input (Simplex) | |
| <input type="checkbox"/> Provide a Hall Call Security Override Input (Per floor) <input type="checkbox"/> Dry Contacts in Hall Fixtures <input type="checkbox"/> Signals in Machine Room <small>(Default)</small> | |
| Other Considerations <div style="border: 1px solid black; height: 50px; width: 100%;"></div> | |

| Controller Monitoring System | Not Required <input type="checkbox"/> |
|--|---------------------------------------|
| <u>Designed and Manufactured by Smartrise Engineering</u> Quantity of Additional Viewing Devices <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> 19.5 Inch <small>(All-in-One Computer)</small> </div> <div> <input type="checkbox"/> 21 Inch <small>(All-in-One Computer)</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> 24 Inch <small>(All-in-One Computer)</small> </div> <div> <input type="checkbox"/> 27 Inch <small>(All-in-One Computer)</small> </div> </div> <input type="checkbox"/> Machine Room Monitoring <input type="checkbox"/> Local Monitoring (Lobby/Engineering/Management) <input type="checkbox"/> Remote Monitoring (Cloud) – Requires Internet Connection | |
| <u>Designed and Manufactured by Integrated Display Systems</u> <input type="checkbox"/> Lift-Net with USB RS-422 Interface (Serial) <input type="checkbox"/> Lift-Net with Moxa Unit Interface (Ethernet / LAN) | |
| <u>Designed and Manufactured by Kings III of America</u> <input type="checkbox"/> ORM (Interface only) | |
| <input type="checkbox"/> BACnet | |

- **Custom Traveler and Hoist-way Cable (Purchase from Smartrise)**

☐ Draka
 ☐ James Monroe

☐
☐
☐
☐
☐

| | Traveler Cable #1 | Traveler Cable #2 | Traveler Cable #3 | Traveler Cable #4 | Traveler Cable #5 |
|--------------------|--|-------------------|-------------------|-------------------|-------------------|
| CUSTOM LABELING | Yes | Yes | Yes | No | No |
| # OF CONDUCTORS | 26 | 33 | 43 | 27 | 69 |
| CORE | Jute | Steel | Steel | Jute | Steel |
| DIAMETER | 1.040" | 1.190" | 1.370" | 0.940" | 1.570" |
| # OF 14 AWG | 4 | 4 | 4 | 3 | 5 |
| # OF 18 AWG | 14 | 20 | 23 | 20 | 40 |
| # OF 20 AWG SHIELD | 4 | 4 | 7 | 2 | 11 |
| COAXIAL (RC/6U) | 0 | 1 | 2 | 0 | 2 |
| APPROVALS/BOTH | UL Type ETT, NEC Compliant, CSA Type ETT, CSA FT1 | | | | |

Length of Cable(s)
Per Car (in feet)

Car 1
 Car 2
 Car 3
 Car 4
 Car 5
 Car 6

☐

| Hoistway Cable |
|------------------------------------|
| Yes |
| 21 |
| N/A |
| 0.640" |
| 0 |
| 21 |
| 0 |
| 0 |
| UL & CSA Hoistway NEC Compliant |

- All Fixtures must be 24 VDC / 6 Watts Max.

| In Car Position Indicator | | Not Required |
|---|--|--------------|
| <input type="checkbox"/> CE Micro Com (Default) | <input type="checkbox"/> Discrete Signals (One line per floor) | |
| <input type="checkbox"/> Emotive 3-Wire | <input type="checkbox"/> Discrete Signals (Binary) | |
| <input type="checkbox"/> DL-20 (Interface only) | <input type="checkbox"/> RSL | |
| <input type="checkbox"/> MAD (Giotto) | Other: _____ | |

| In Hall Position Indicator | | Not Required | |
|--|--|---------------------------------------|--|
| <input type="checkbox"/> CE Micro Com (Default) | <input type="checkbox"/> Discrete Signals (One line per floor) | | |
| <input type="checkbox"/> Emotive 3-Wire | <input type="checkbox"/> Discrete Signals (Binary) | | |
| <input type="checkbox"/> EX-51 (Interface only) | <input type="checkbox"/> RSL | <input type="checkbox"/> MAD (Giotto) | |
| <input type="text"/> # of Floors with Hall Position Indicators | | | |
| Other: _____ | | | |

| In Car Arrival Lantern | | Not Required |
|---|---|----------------------|
| <input type="checkbox"/> CE Micro Com (Default) | <input type="checkbox"/> Discrete Signals | |
| <input type="checkbox"/> Emotive 3-Wire | Bulb/Chime wattage (If discrete): | <input type="text"/> |
| <input type="checkbox"/> MAD (Giotto) | <input type="checkbox"/> RSL | |
| Other: _____ | | |

| In Hall Arrival Lanterns | Not Required |
|---|---|
| <input type="checkbox"/> First Floor Only (Discrete) | <input type="checkbox"/> CE Micro Com Lanterns (Type: SA130M Req.) |
| <input type="checkbox"/> All Floors (Smartrise Hall Boards) | <input type="checkbox"/> Emotive 3-Wire |
| <input type="checkbox"/> EX-51/EX31 (Interface only) | <input type="checkbox"/> RSL |
| <input type="checkbox"/> If Lamps/Gongs are not 24 VDC / 6 Watt (Explain below) | |
| <div style="border: 1px solid black; height: 100px; width: 100%;"></div> | |

| In Car Passing Chime | | Not Required <input type="radio"/> |
|---|--|------------------------------------|
| <input type="checkbox"/> CE Micro Com (Default) | <input type="checkbox"/> Discrete Signal | <input type="checkbox"/> RSL |
| <input type="checkbox"/> Emotive 3-Wire | Bulb/Chime wattage (If discrete): <input style="width: 100px;" type="text"/> | |

| In Car Voice Annunciator | Not Required |
|--|--------------|
| <input type="checkbox"/> CE Micro Com <input type="checkbox"/> Emotive 3-Wire <input type="checkbox"/> Speaker is Remote | |
| <input type="checkbox"/> RSL | |
| Provided By: <input type="checkbox"/> Customer (Must be CE or Emotive 3-Wire - Default) | |
| Other: _____ | |

| Lobby Panel | | Not Required |
|---|--|--------------|
| <input type="checkbox"/> Door Open Lamp | <input type="checkbox"/> In Use Lamp | |
| <input type="checkbox"/> On Independent Svc. Lamp | <input type="checkbox"/> In Service Lamp | |
| <input type="checkbox"/> Emergency Power Lamp | | |
| Other Requirements | | |
| | | |

| Load Weighing | | Not Required |
|------------------------------------|------------------------------------|--|
| Load Weigher Provided By | | |
| <input type="checkbox"/> Smartrise | <input type="checkbox"/> Customer | <input type="checkbox"/> Overload Lamp <input type="checkbox"/> Anti-Nuisance |
| <input type="text"/> # Ropes | <input type="text"/> Rope Diameter | <input type="checkbox"/> 1:1 Roping <input type="checkbox"/> 2:1 Roping |

Car Door

| Door Type 1 | Use this door for all cars, or specify which cars use it | | | | |
|-------------|--|--|--|--|--|
| | All <input type="checkbox"/> F <input type="checkbox"/> R | Car 1 <input type="checkbox"/> F <input type="checkbox"/> R | Car 2 <input type="checkbox"/> F <input type="checkbox"/> R | Car 3 <input type="checkbox"/> F <input type="checkbox"/> R | Car 4 <input type="checkbox"/> F <input type="checkbox"/> R |

Hall Door Type

☐ Auto Passenger (Default)
 ☐ Powered Freight (See * below)
 ☐ Manual
 ☐ Other

Select Door Operator

| | | | |
|--------------------------|----------|----------------|--|
| <input type="checkbox"/> | Abell | ATS 0090 | Field "EZ" |
| <input type="checkbox"/> | GAL | MODCTL | 24 VDC interface relays |
| <input type="checkbox"/> | GAL | MOD | L, G, or X |
| <input type="checkbox"/> | GAL | MOVFR | 230 VAC input voltage |
| <input type="checkbox"/> | Kone | Mac | 104 or 105D Interface board |
| <input type="checkbox"/> | Kone | PMSSC | 104 or 105D Interface board |
| <input type="checkbox"/> | Otis | AT-400 | 240 VAC / 120 VDC Interface Glide A (Discrete) |
| <input type="checkbox"/> | Otis | AT-400/Glide P | Multi-Drop (Serial) |
| <input type="checkbox"/> | TKE | Dover HD-03 | Requires IO Card: 6300TX2 (110 VAC) |
| <input type="checkbox"/> | TKE | Dover HD-73 | Type D/I/O |
| <input type="checkbox"/> | TKE | Dover HD-91 | DC Motor |
| <input type="checkbox"/> | TKE | HDLM | Requires UIT_I/O Card |
| <input type="checkbox"/> | Fermator | VVVF5 | Linear Door Operator |
| <input type="checkbox"/> | None | | Manual Car Gate |
| <input type="checkbox"/> | Peelle | Wireless | *Input Freight/door information at bottom |
| <input type="checkbox"/> | Courion | ILearn | |
| <input type="checkbox"/> | EMS | | |
| <input type="checkbox"/> | Other | | *Input Other door information at bottom |

☐ **Door Protection**

☐ Photo Eye/Light Curtain (Default)
 ☐ Mechanical Safety Edge
 ☐ Door Hold Button

☐ **Cam**

☐ Mechanical
 ☐ DC
 ☐ AC (3-Phase)
 ☐ AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

☐ **Gate Release**

☐ DC
 ☐ AC (3-Phase)
 ☐ AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

Other Door Considerations

* Freight/Other Door Operator Info

Manufacturer

Model

Reference #'s

Job Prints from Door Manufacturer are Required

| Door Type 2 | Use this door for all cars, or specify which cars use it | | | | |
|-------------|--|--|--|--|--|
| | All <input type="checkbox"/> F <input type="checkbox"/> R | Car 1 <input type="checkbox"/> F <input type="checkbox"/> R | Car 2 <input type="checkbox"/> F <input type="checkbox"/> R | Car 3 <input type="checkbox"/> F <input type="checkbox"/> R | Car 4 <input type="checkbox"/> F <input type="checkbox"/> R |

Hall Door Type

☐ Auto Passenger (Default)
 ☐ Powered Freight (See * below)
 ☐ Manual
 ☐ Other

Select Door Operator

| | | | |
|--------------------------|----------|----------------|--|
| <input type="checkbox"/> | Abell | ATS 0090 | Field "EZ" |
| <input type="checkbox"/> | GAL | MODCTL | 24 VDC interface relays |
| <input type="checkbox"/> | GAL | MOD | L, G, or X |
| <input type="checkbox"/> | GAL | MOVFR | 230 VAC input voltage |
| <input type="checkbox"/> | Kone | Mac | 104 or 105D Interface board |
| <input type="checkbox"/> | Kone | PMSSC | 104 or 105D Interface board |
| <input type="checkbox"/> | Otis | AT-400 | 240 VAC / 120 VDC Interface Glide A (Discrete) |
| <input type="checkbox"/> | Otis | AT-400/Glide P | Multi-Drop (Serial) |
| <input type="checkbox"/> | TKE | Dover HD-03 | Requires IO Card: 6300TX2 (110 VAC) |
| <input type="checkbox"/> | TKE | Dover HD-73 | Type D/I/O |
| <input type="checkbox"/> | TKE | Dover HD-91 | DC Motor |
| <input type="checkbox"/> | TKE | HDLM | Requires UIT_I/O Card |
| <input type="checkbox"/> | Fermator | VVVF5 | Linear Door Operator |
| <input type="checkbox"/> | None | | Manual Car Gate |
| <input type="checkbox"/> | Peelle | Wireless | *Input Freight/door information at bottom |
| <input type="checkbox"/> | Courion | ILearn | |
| <input type="checkbox"/> | EMS | | |
| <input type="checkbox"/> | Other | | *Input Other door information at bottom |

☐ **Door Protection**

☐ Photo Eye/Light Curtain (Default)
 ☐ Mechanical Safety Edge
 ☐ Door Hold Button

☐ **Cam**

☐ Mechanical
 ☐ DC
 ☐ AC (3-Phase)
 ☐ AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

☐ **Gate Release**

☐ DC
 ☐ AC (3-Phase)
 ☐ AC (Single Phase)

| | |
|-------|------|
| Volts | Amps |
| | |

Other Door Considerations

Notes and Special Instructions:

| Floor Information | | | Floor Openings | | | | Car Call Security | | | | Hall Call Security | | | | Hosp | |
|--|-------------|--------------|--|-------|-------|-------|--|-------|-------|-------|--|-------|-------|-------|------|--|
| | Floor Label | Floor Height | Car 1 | Car 2 | Car 3 | Car 4 | Car 1 | Car 2 | Car 3 | Car 4 | Car 1 | Car 2 | Car 3 | Car 4 | | |
| Overhead -> (Default 13ft) | | | | | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | | | | | |
| | 26 | | | | | | | | | | | | | | | |
| | 25 | | | | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | | | | |
| | 21 | | | | | | | | | | | | | | | |
| | 20 | | | | | | | | | | | | | | | |
| | 19 | | | | | | | | | | | | | | | |
| | 18 | | | | | | | | | | | | | | | |
| | 17 | | | | | | | | | | | | | | | |
| | 16 | | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | | |
| | 14 | | | | | | | | | | | | | | | |
| | 13 | | | | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | | | | |
| | 3 | | | | | | | | | | | | | | | |
| | 2 | | | | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | | | | |
| We will default to the lobby landing and the landing above for main and alternate fire floor respectively. | | | Pit | | | | Pit | | | | Pit | | | | Pit | |
| <input type="checkbox"/> All cars same as Car 1 <input type="checkbox"/> All walk-through <input type="checkbox"/> All front Number of floors: <input type="text"/> | | | <input type="checkbox"/> All cars same as Car 1 <input type="checkbox"/> All walk-through <input type="checkbox"/> All front Number of floors: <input type="text"/> | | | | <input type="checkbox"/> All cars same as Car 1 <input type="checkbox"/> All walk-through <input type="checkbox"/> All front Number of floors: <input type="text"/> | | | | <input type="checkbox"/> All cars same as Car 1 <input type="checkbox"/> All walk-through <input type="checkbox"/> All front Number of floors: <input type="text"/> | | | | | |
| Total Hoistway Height (ft) | | | | | | | | | | | | | | | | |
| Car 1 | | | | | | | | | | | | | | | | |
| Car 2 | | | | | | | | | | | | | | | | |
| Car 3 | | | | | | | | | | | | | | | | |
| Car 4 | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> All cars same as Car 1 | | | | | | | | | | | | | | | | |

If mixed F/R please select boxes above.

☐ Include Hall Network CAT5 package
 Controller (MR) to Hall Network (Hoistway) CAT5 Cable Length ☐ 25 ft (Default) ☐ 50 ft

Walkthrough Only: Top

F R

Location of Hoistway Up/Dn Switch Car#s

Walkthrough Only: Bottom

F R

Location of Hoistway Up/Dn Switch Car#s

Hoistway Considerations

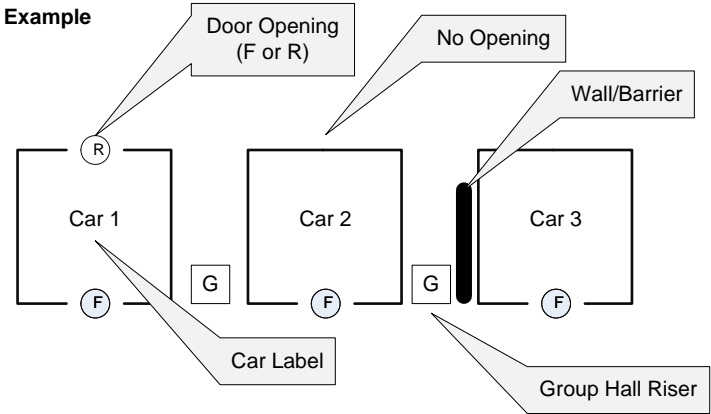
☐ Ambient Light Present in Hoistway

☐ Corner Post F

Notes and Special Instructions:

| Overlay with Existing Equipment | |
|---------------------------------|--|
| <input type="checkbox"/> | <p>Cross Registration System</p> <p>When you choose one of the above, a Smartrise engineer will contact you to gather details about the existing elevator controllers.</p> <p>Important: Provide Physical Layout on Sheet 9</p> |

Elevator(s) Physical Layout



Draw a topographical map of elevator(s) location on grid provided.

- * Accurately label each car by number/letter
- * Mark openings: F (front) or R (rear)
- * Label risers as:
 - G = Group Riser
 - I = Inconspicuous Riser
 - H = Hospital Service Riser
- * Draw in walls/barriers (heavy line)

Notes/Special Considerations