



### 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 Specifications' 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 DC - Table of Contents	
1. Job Information	7. Car Door Data
2. Shipping & Pre-Wire	8. Landings and Openings (1-24)
3. General Controller Information	9. Landings and Openings (25-64)
4. Motor Data, Encoder Data, and Brake Data	10. Landings and Openings (65-96)
5. Features & Functions	11. Elevator(s) Physical Layout
6. Cables and Fixtures	12. Motor Purchase from Smartrise

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

Job Details	
Job Name: <input type="text"/>	Market Segment: <input type="checkbox"/> Financial
PO#: <input type="text"/>	<input type="checkbox"/> Federal <input type="checkbox"/> Health Care <input type="checkbox"/> Residential
Job Location (City & State): <input type="text"/>	<input type="checkbox"/> Education <input type="checkbox"/> Hospitality <input type="checkbox"/> Other

Purchasers Information: (If Packager, Fill in End User Info on Right)	
Name: <input type="text"/>	
Title: <input type="text"/>	
Company: <input type="text"/>	
Phone: <input type="text"/>	Fax: <input type="text"/>
Cell: <input type="text"/>	
Email: <input type="text"/>	
Engineering Contact Information: (If different than above)	
Name: <input type="text"/>	
Phone: <input type="text"/>	Fax: <input type="text"/>
Cell: <input type="text"/>	
Email: <input type="text"/>	
<input type="text"/>	Date Filled Out

End User Information: (For Packager Use Only)	
Name: <input type="text"/>	
Title: <input type="text"/>	
Company: <input type="text"/>	
Phone: <input type="text"/>	Fax: <input type="text"/>
Cell: <input type="text"/>	
Email: <input type="text"/>	

Job Site Address: (Address Where Controller(s) Will Be Installed)	
Street:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
Zip Code:	<input type="text"/>

Building Owner/Manager Information	
Name: <input type="text"/>	
Phone:	<input type="text"/>
Email: <input type="text"/>	
Street:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
Zip Code:	<input type="text"/>

Shipping Information	
Contact Name: <input style="width: 95%;" type="text"/>	
Phone: <input style="width: 95%;" type="text"/>	
Contact Fax/Email: <input style="width: 95%;" type="text"/>	
Smartrise Call Prior to Shipping: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Carrier Call for Delivery Appointment: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Lift Gate Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Freight Terms</b>	Customer's Carrier Name: <input style="width: 95%;" type="text"/>
Use Smartrise Carrier: <input type="checkbox"/> Yes <input type="checkbox"/> No	Carrier's Account Number: <input style="width: 95%;" type="text"/>
<input type="checkbox"/> Will Call	<input type="checkbox"/> Collect <input type="checkbox"/> Third-Party
<input type="checkbox"/> Pre-paid	Third-Party Billing (Duties & Taxes) <input style="width: 95%;" type="text"/>
Ship to Name/Company: <input style="width: 95%;" type="text"/>	Bill To Address: <input style="width: 95%;" type="text"/>
Shipping Address: <input style="width: 95%;" type="text"/>	

Shipping Schedule			
Controller(s) <input style="width: 95%; height: 40px;" type="text"/>	Desired Ship Date from Smartrise <input style="width: 95%; height: 40px;" type="text"/>	Controller(s) <input style="width: 95%; height: 40px;" type="text"/>	Desired Ship Date from Smartrise <input style="width: 95%; height: 40px;" type="text"/>
<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>
<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>
<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" type="text"/>	<input style="width: 95%; height: 30px;" 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 <input type="checkbox"/>
Pre-wire COP Boards: <input type="checkbox"/> Yes <input type="checkbox"/> No (Default)	
Pre-wire Hall Boards: <input type="checkbox"/> Yes <input type="checkbox"/> No (Default)	
<b>Fixture Manufacturer</b>	Company Name: <input style="width: 95%;" type="text"/>
<input type="checkbox"/> Dupar <input type="checkbox"/> ERM <input type="checkbox"/> Monitor <input type="checkbox"/> Other	Ship to Address: <input style="width: 95%; height: 60px;" type="text"/>
<input type="checkbox"/> ECC <input type="checkbox"/> Innovation <input type="checkbox"/> PTL	
<input type="checkbox"/> EPCO <input type="checkbox"/> MAD <input type="checkbox"/> SEES	
<input type="checkbox"/> Elevator Cabs and Surfaces	
Job Reference: <input style="width: 95%;" type="text"/>	Contact Person at Mfg. <input style="width: 95%;" type="text"/>

**Electrical Main Line and Transformer Specification**

**Main Line Specification:**

Main Line Volts (Transformer required if there is more than a 10% difference between the main line and motor volts)

Three Phase (Default)

VAC L1 to GND     VAC L2 to GND     VAC L3 to GND

Single Phase

Hz (Main Line is 60Hz unless otherwise stated)

**Main Line Transformer (If Customer Requires)**

Provided by Smartrise(Aluminum Isolation Transformers are standard)

Provided By Customer (Customer to provide drawing)

Secondary Voltage

kVA

Data Plate Copy Included

**Configuration**

Simplex     # Cars

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Group     # Cars in Group     # of Hall Risers/Group

Swing Riser, Car #

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Selective Collective (2 buttons/floor, multiple calls) (Default)

Non-Selective Collective (1 button/floor, multiple calls)

Non-Selective Non-collective (1 button/floor, 1 call at a time)

Other: \_\_\_\_\_

**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)

Machine Room Controller Cabinet NEMA Rating:

1 (Default)     4     4X     7     12

Top of Car Enclosure NEMA Rating:

1 (Default)     4     4X     7     12

Landing System NEMA Rating:

1 (Default)     4     4X     7     12

**\*NEMA 4/4X requires ELGO Landing System**

**Build to Job Specifications** Not Required

We will review the spec and 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 and description of exceptions)

**ASME 17.1 Elevator Safety Code Compliance**

<input type="checkbox"/> 2022	Additional Local Code	
<input type="checkbox"/> 2019		
<input type="checkbox"/> 2016		
<input type="checkbox"/> 2013		
<input type="checkbox"/> 2010		<input type="checkbox"/> NYC (Appendix K) <input type="checkbox"/> Detroit
<input type="checkbox"/> 2007		<input type="checkbox"/> No Fire Service <input type="checkbox"/> Massachusetts
<input type="checkbox"/> 2004		<input type="checkbox"/> Ontario
<input type="checkbox"/> 2000		<input type="checkbox"/> Florida

**Car Operating Panel**

Single Panel (Default)     Dual Panels

Remote COP (Discrete in M/R)

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Is the CE Elite Touch Screen required?

Yes     No

\*NOTE: CE should provide CE3868 board

**Connection Package (Run Box)**

SmartConnect Package – Recommended  
(Pre-Wired Car Top Inspection Box included)

with Pendant Light

with Switch Guards

Notes and Special Instructions

# Traction Features, Motor Data, Encoder Data, and Brake Data

**Traction Features** ( 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
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)	Model
4			<input type="checkbox"/> Smartrise (Default) <input type="checkbox"/> None <input type="checkbox"/> Customer (Include info in notes)	

**Additional Motor Data for DC Motors** ( Data for all cars is the same as car 1) Below values measured at what Car Speed:

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** ( 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	Encodr 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** ( Data for all cars is the same as car 1) **Failure to provide data will result in delay of controller shipment**

Car	DC	Pick Volts (DC or AC)	Hold Volts (DC Only)	Coil Resistance	Coil Amperage	Emergency (2 <sup>nd</sup> ) Brake		Independent (2 <sup>nd</sup> ) Brake Data					
								Pick VDC	Hold VDC	Coil Ω	Coil Amp		
1	<input type="checkbox"/> DC (Default)					<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 (Default)					<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 (Default)					<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 (Default)					<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)

We will notify you if the preference chosen cannot be honored

**Notes and Special Instructions**

<b>Special Features</b>		Not Required <input type="checkbox"/>
<input type="checkbox"/> Remote (2 <sup>nd</sup> ) Fire Key Switch & Lamp	<input type="checkbox"/> Shunt-Trip	
<input type="checkbox"/> Earthquake <small>(Includes Buzzer and Lamp)</small>	<input type="checkbox"/> Flood Sensor	
<input type="checkbox"/> Car-to-Lobby Key Switch	Specify Flood Floor (Label): <input style="width: 50px;" type="text"/>	
<input type="checkbox"/> Fan and Light Auto Shutoff Circuit <small>(CT only)</small>	<input type="checkbox"/> 'S' Button	
<input type="checkbox"/> Machine Room Cabinet Power Plug	<input type="checkbox"/> Machine Room Cabinet Light	
<input type="checkbox"/> Reduced Stroke Buffer (Ontario Only)	<input type="checkbox"/> Enclosure Legs	
<input type="checkbox"/> Inching Operation		

<b>Special Modes of Operation</b>		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		
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: 50px;" type="text"/> End <input style="width: 50px;" type="text"/>		
<input type="checkbox"/> Key Switch		
<input type="checkbox"/> Patient Security		
Specify Patient Security Floors (Labels): <input style="width: 100px;" type="text"/>		

<b>Controller Monitoring System</b>		Not Required <input type="checkbox"/>
<u>Designed and Manufactured by Smartrise Engineering</u>		
<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		

<b>Monitoring Viewing Devices</b>		Not Required <input type="checkbox"/>
<b>All in On Computer</b>		
Lenovo AIO 1 Series	<input type="checkbox"/> 27"	
<b>Tablet</b>		
Lenovo M Series	<input type="checkbox"/> 8" <input type="checkbox"/> 11"	
<b>Notebook</b>		
Lenovo Idea Pad	<input type="checkbox"/> 15"	

<b>Car Call Security (Specify floors on page 8)</b>		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"/> Inputs in Machine Room	
<input type="checkbox"/> Override Security When on Independent Service or Attendant Serviced		
<input type="checkbox"/> Provide a Car Call Security Override Input		
<input type="checkbox"/> Input in Car Station	<input type="checkbox"/> Input in Machine Room	
<input type="checkbox"/> Door Open Functions on Secured Landings		
<b>Notes</b>		

<b>Hall Call Security</b>		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 (Default)	<input type="checkbox"/> Signal in Machine Room	

<b>Attendant Service</b>		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 <small>Requires Discrete Connection from CT to COP Panel Per Landing</small>		
Other: _____		

<b>Emergency Power (If Generator Cannot Run All Cars)</b>		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	
This section applies to the sequencing of elevators when a combination of multiple machine room, groups and simplexes are in the same building.		
Number of cars the generator can power <i>simultaneously</i> : <input style="width: 50px;" type="text"/>		
Answer the below only if this generator powers other cars (not included in this job):		
Number of Smartrise Cars:	<input style="width: 50px;" type="text"/> Simplexes <input style="width: 50px;" type="text"/> Groups	
* Provide Smartrise Job Numbers: <input style="width: 100px;" type="text"/>		

# Traveler and Hoistway Cable (Purchase from Smartrise)

Not Required

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Length of Cable(s) Per Car (in feet)		<input type="checkbox"/>
	C4 Traveler Cable #1	C4 Traveler Cable #2	Traveler Cable #5			C4 Hoistway Cable
# OF CONDUCTORS	19	31	69		Car 1	26
CORE	Steel	Steel	Steel		Car 2	N/A
DIAMETER	0.90"	1.36"	1.570"		Car 3	0.55"
# OF 14 AWG	4	4	5		Car 4	26
# OF 18 AWG	7	14	40		Car 5	0
# OF 20 AWG SHIELD	4 Pair	6 Pair	11 Pair		Car 6	0
COAXIAL (RC/6U)	No	1	2			No
APPROVALS/BOTH	UL Type ETT> NEC Compliant, CSA Type ETT, CSA FT1					

## All Fixtures Must Be 24 VDC / 6 Watts Max.

**In Car Position Indicator** Not Required

- CE Micro Com (Default)     Discrete Signals (One line per floor)  
 MWSF: Hands Free     Discrete Signals (Binary)  
 VIDATECH (CAN)     MAD (CAN)

Other: \_\_\_\_\_

**In Car Arrival Lantern** Not Required

- CE Micro Com (Default)     Discrete Signals  
 MAD (CAN)    Bulb/Chime wattage (If discrete):

Other: \_\_\_\_\_

**In Car Passing Chime** Not Required

- CE Micro Com (Default)     Discrete Signals  
 Bulb/Chime wattage (If discrete):

**Load Weighing** Not Required

- Load Weigher Provided By
- Smartise     Overload Lamp  
     Anti-Nuisance  
     1:1 Roping  
     2:1 Roping

**In Hall Position Indicator** Not Required

- CE Micro Com (Default)     Discrete Signals (One line per floor)  
 VIDATECH (CAN)     Discrete Signals (Binary)  
 # of Floors with Hall Position Indicators     MAD (CAN)  
     MWSF: Hands Free

Other: \_\_\_\_\_

**In Hall Arrival Lanterns** Not Required

- First Floor Only (Discrete)     CE Micro Com Lanterns (Type: SA130M Req.)  
 All Floors (Smartrise Hall Boards)  
 If Lamps/Gongs are not 24 VDC / 6 Watt (Explain below)

**Lobby Panel** Not Required

- Door Open Lamp     In Use Lamp  
 On Independent Svc. Lamp     In Service Lamp  
 Out of Service Lamp     Normal Power Lamp  
 Battery Lowering Lamp     At Recall Lamp  
 Emergency Power Lamp

Other Requirements

<b>Front Door Type</b>	Use this door for all cars or specify which cars use it				
	All <input type="checkbox"/>	Car 1 <input type="checkbox"/>	Car 2 <input type="checkbox"/>	Car 3 <input type="checkbox"/>	Car 4 <input type="checkbox"/>
<b>Hall Door Type</b>					
<input type="checkbox"/> Auto Passenger (Default) <input type="checkbox"/> Manual					
<b>Car Door Type</b>					
<input type="checkbox"/> Auto Passenger (Default) <input type="checkbox"/> Manual (See + below) <input type="checkbox"/> Powered Freight (See + below)					
<b>Select Door Operator</b>					
<input type="checkbox"/>	Abell	ATS 0090	Field "EZ"		
<input type="checkbox"/>	Fermator	VVVF5	Linear Door Operator		
<input type="checkbox"/>	GAL	MODCTL	24 VDC Interface Relays		
<input type="checkbox"/>	GAL	MOD	(L, G, or X) Motor Armature Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	GAL	MOVFR	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC		
<input type="checkbox"/>	GAL	MOVFEE	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC		
<input type="checkbox"/>	Kone	AMD	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC Model #: <input type="checkbox"/> 1.5 <input type="checkbox"/> 2.0		
<input type="checkbox"/>	Kone	Mac	104 or 105D Interface Board		
<input type="checkbox"/>	Kone	PMSSC	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC 104 or 105D Interface Board		
<input type="checkbox"/>	Otis	AT400	120 VDC (Discrete Only & Power Supply by Smartrise)		
<input type="checkbox"/>	Otis	Glide A	220 VAC (Discrete Only)		
<input type="checkbox"/>	Otis	Glide P	220 VAC (Discrete Only)		
<input type="checkbox"/>	SEES	Smooth Operator	Input Voltage: <input type="checkbox"/> 220 VAC <input type="checkbox"/> 110 VAC		
<input type="checkbox"/>	TKE	Dover HD-03	Input Voltage: <input style="width:50px;" type="text"/> (Only M Models)		
<input type="checkbox"/>	TKE	Dover HD-73	Motor Armature Voltage: <input style="width:50px;" type="text"/> (Type D/IVO)		
<input type="checkbox"/>	TKE	Dover HD-91	Motor Armature Voltage: <input style="width:50px;" type="text"/> (DC Motor)		
<input type="checkbox"/>	TKE	HD-85	Motor Armature Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	TKE	HDLM	Input Voltage: <input style="width:50px;" type="text"/> AMPS: <input style="width:50px;" type="text"/> Requires UIT_I/O Card		
<input type="checkbox"/>	TKE	LD-16	Input Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	TKE	ECI	Input Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	Wittur	Mini/Supra, SGV	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC		
<input type="checkbox"/>	EMS		*Input Freight/Door Information at Bottom		
<input type="checkbox"/>	Courion				
<input type="checkbox"/>	Peelle				
<input type="checkbox"/>	Other		*Input Other Door Information at Bottom		
<b>Door Protection</b>					
<input type="checkbox"/> Photo Eye/Light Curtain (Default) <input type="checkbox"/> Mechanical Safety Edge <input type="checkbox"/> Door Hold Button					
<b>Manual Car Door CAM Type/Information</b>					
<input type="checkbox"/> Mechanical					
<input type="checkbox"/>	DC	Volts	<input style="width:50px;" type="text"/>	Amps	<input style="width:50px;" type="text"/>
<input type="checkbox"/>	AC (3-Phase)	Volts	<input style="width:50px;" type="text"/>	Amps	<input style="width:50px;" type="text"/>
<input type="checkbox"/>	AC (Single Phase)	Volts	<input style="width:50px;" type="text"/>	Amps	<input style="width:50px;" type="text"/>

<b>Rear Door Type</b>	Use this door for all cars or specify which cars use it				
	All <input type="checkbox"/>	Car 1 <input type="checkbox"/>	Car 2 <input type="checkbox"/>	Car 3 <input type="checkbox"/>	Car 4 <input type="checkbox"/>
<b>Hall Door Type</b>					
<input type="checkbox"/> Auto Passenger (Default) <input type="checkbox"/> Manual					
<b>Car Door Type</b>					
<input type="checkbox"/> Auto Passenger (Default) <input type="checkbox"/> Manual (See + below) <input type="checkbox"/> Powered Freight (See + below)					
<b>Select Door Operator</b>					
<input type="checkbox"/>	Abell	ATS 0090	Field "EZ"		
<input type="checkbox"/>	Fermator	VVVF5	Linear Door Operator		
<input type="checkbox"/>	GAL	MODCTL	24 VDC Interface Relays		
<input type="checkbox"/>	GAL	MOD	(L, G, or X) Motor Armature Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	GAL	MOVFR	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC		
<input type="checkbox"/>	GAL	MOVFEE	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC		
<input type="checkbox"/>	Kone	AMD	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC Model #: <input type="checkbox"/> 1.5 <input type="checkbox"/> 2.0		
<input type="checkbox"/>	Kone	Mac	104 or 105D Interface Board		
<input type="checkbox"/>	Kone	PMSSC	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC 104 or 105D Interface Board		
<input type="checkbox"/>	Otis	AT400	120 VDC (Discrete Only & Power Supply by Smartrise)		
<input type="checkbox"/>	Otis	Glide A	220 VAC (Discrete Only)		
<input type="checkbox"/>	Otis	Glide P	220 VAC (Discrete Only)		
<input type="checkbox"/>	SEES	Smooth Operator	Input Voltage: <input type="checkbox"/> 220 VAC <input type="checkbox"/> 110 VAC		
<input type="checkbox"/>	TKE	Dover HD-03	Input Voltage: <input style="width:50px;" type="text"/> (Only M Models)		
<input type="checkbox"/>	TKE	Dover HD-73	Motor Armature Voltage: <input style="width:50px;" type="text"/> (Type D/IVO)		
<input type="checkbox"/>	TKE	Dover HD-91	Motor Armature Voltage: <input style="width:50px;" type="text"/> (DC Motor)		
<input type="checkbox"/>	TKE	HD-85	Motor Armature Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	TKE	HDLM	Input Voltage: <input style="width:50px;" type="text"/> AMPS: <input style="width:50px;" type="text"/> Requires UIT_I/O Card		
<input type="checkbox"/>	TKE	LD-16	Input Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	TKE	ECI	Input Voltage: <input style="width:50px;" type="text"/>		
<input type="checkbox"/>	Wittur	Mini/Supra, SGV	Input Voltage: <input type="checkbox"/> 230 VAC <input type="checkbox"/> 120 VAC		
<input type="checkbox"/>	EMS		*Input Freight/Door Information at Bottom		
<input type="checkbox"/>	Courion				
<input type="checkbox"/>	Peelle				
<input type="checkbox"/>	Other		*Input Other Door Information at Bottom		
<b>Door Protection</b>					
<input type="checkbox"/> Photo Eye/Light Curtain (Default) <input type="checkbox"/> Mechanical Safety Edge <input type="checkbox"/> Door Hold Button					
<b>Manual Car Door CAM Type/Information</b>					
<input type="checkbox"/> Mechanical					
<input type="checkbox"/>	DC	Volts	<input style="width:50px;" type="text"/>	Amps	<input style="width:50px;" type="text"/>
<input type="checkbox"/>	AC (3-Phase)	Volts	<input style="width:50px;" type="text"/>	Amps	<input style="width:50px;" type="text"/>
<input type="checkbox"/>	AC (Single Phase)	Volts	<input style="width:50px;" type="text"/>	Amps	<input style="width:50px;" type="text"/>

\*Freight/Other Door Operation Information

Manufacturer	<input style="width:80%; height:20px;" type="text"/>
Model	<input style="width:80%; height:20px;" type="text"/>
Reference #'s	<input style="width:80%; height:20px;" type="text"/>

Job Prints from Door Manufacturer are Required

Notes and Special Instructions:

# Landings and Openings

Check this box if more than 24 landings (continued on page 9 for landings 25- 64)

Floor Information (1-24)			Floor Openings				Car Call Security				Hall Call Security				Hosp	Destination Dispatch		
Floor Index	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			F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
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"/>	
Default Pit Labels			Pit -> (Default 4')				Pit				Pit				Pit	Pit		

All cars same as Car 1  
 All walk-through  
 All front  
 Number of floors

All cars same as Car 1  
 All walk-through  
 All front  
 Number of floors

All cars same as Car 1  
 All walk-through  
 All front  
 Number of floors

Note: Maximum of eight kiosks per floor

We will default to the lobby landing and the landing above for main and alternate fire floor respectively

Main Fire/Lobby Floor  
 Alt Fire Floor

	Total Hoistway Height (ft)
Car 1	
Car 2	
Car 3	
Car 4	

All cars same as Car 1

**If mixed F/R, select boxes above**

Include Hall Network CAT5 package  
 Controller (MR) to Hall Network (Hoistway) CAT5 Cable Length  25 ft (Default)  50 ft  100 ft

**Smart Dispatching** Not Required

Lobby Boost (Lobby Only)

**Destination Dispatch** Not Required

Full (All Floors)

Hybrid (Kiosks/Conventional Hall Riser Combination)

(See above and select the floors with Kiosks and the corresponding quantity of Kiosks required)

**Notes and Special Instructions:**

**Overlay with Existing Equipment**

Cross Registration System

When you choose one of the above, a Smartrise engineer will contact you to gather details about the existing elevator controllers.

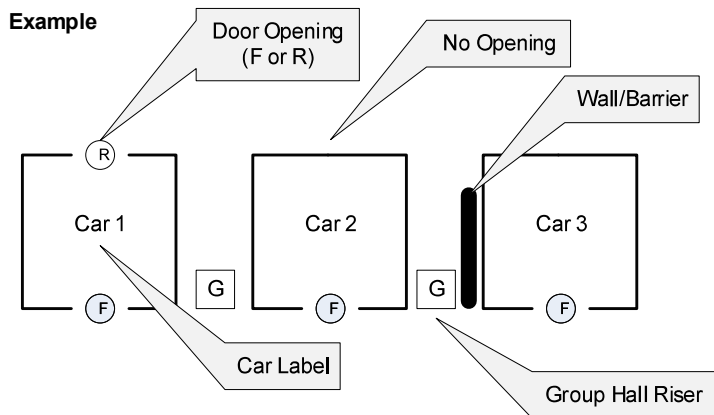
**Important: Provide Physical Layout on 11**







# Elevator(s) Physical Layout

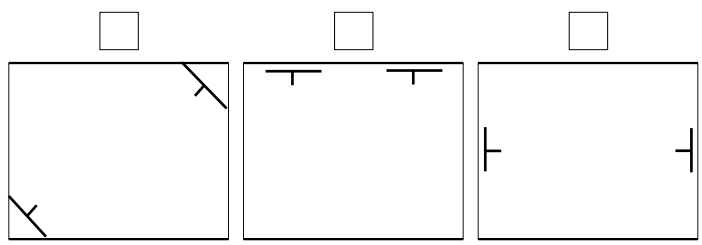


**Draw a topographical map of elevator(s) location on grid provided.**

- \* Accurately label each car by number/letter
- \* Mark openings a 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

## Hoistway Consideration



Guide Rail Option	
<input type="checkbox"/>	T89
<input type="checkbox"/>	T90
<input type="checkbox"/>	T125
	Other: _____

# Traction Motor Purchase from Smartrise

\* Complete only if purchasing a motor from Smartrise

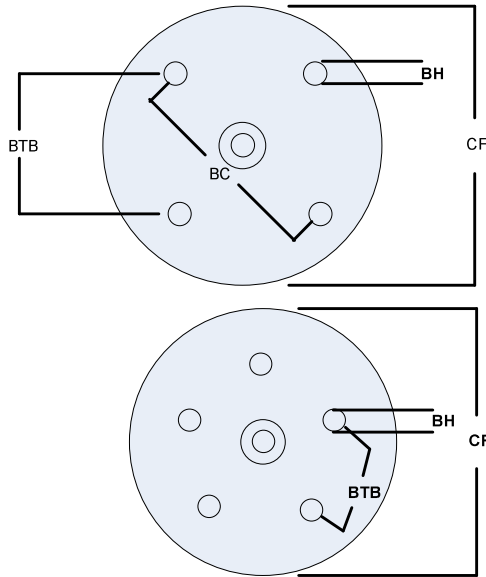
\* All other motor data must have been provided on page 4

Existing Machine Information	
Machine Brand	<input type="text"/>
Model	<input type="text"/>
Style	<input type="text"/>
Counter Weight Percentage:	<input type="text"/>

Existing Motor Information	
Manufacturer:	<input type="text"/>
Frame Size/Style:	<input type="text"/>
<input type="checkbox"/> Foot Mount	<input type="checkbox"/> Flange Mount
HP <input type="text"/>	Volts <input type="text"/>
	RPM <input type="text"/>
Car Speed	<input type="text"/>
Car Capacity	<input type="text"/>
Machine Location	<input type="checkbox"/> Overhead
	<input type="checkbox"/> Basement

New Motor Information	
Volts <input type="text"/>	<b>Encoder Cable Length</b>
RPM <input type="text"/>	<input type="checkbox"/> 30 Ft.
	<input type="checkbox"/> 40 Ft.
	<input type="checkbox"/> 50 Ft.
<input type="checkbox"/> Straight Shaft	<input type="checkbox"/> Other <input type="text"/> Ft.
<input type="checkbox"/> Tapered Shaft	

Coupling Survey (Only If Provided by Smartrise)	
<input type="text"/>	(CF) Coupling Flange Diameter
<input type="text"/>	Number of Mounting Bolts
<input type="text"/>	Bolt Size
<input type="text"/>	(BH) Bolt Hole Diameter
<input type="text"/>	(BTB) Center Bolt to Center
<input type="text"/>	Bolt (BC) Bolt Circle



Notes and Special Instructions