



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 AC - Table of Contents

- | | |
|---|-----------------------------------|
| 1. Job Information | 8. Landings and Openings (1-24) |
| 2. Shipping & Pre-Wire | 9. Landings and Openings (25-64) |
| 3. General Controller Information | 10. Landings and Openings (65-96) |
| 4. Motor Data, Encoder Data, and Brake Data | 11. Destination Dispatch (1-48) |
| 5. Features & Functions | 12. Destination Dispatch (49-96) |
| 6. Cables and Fixtures | 13. Elevator(s) Physical Layout |
| 7. Car Door Data | 14. Motor Purchase from Smartrise |

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

Job Details

Job Name:	Market Segment: ☐ Financial
PO#:	☐ Federal ☐ Health Care ☐ Residential
Job Location (City & State):	☐ Education ☐ Hospitality ☐ 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:	

Shipping and Pre-Wire

Shipping Information

Contact Name: Phone: Contact Fax/Email: Smartrise Call Prior to Shipping: ☐ Yes ☐ NoCarrier Call for Delivery Appointment: ☐ Yes ☐ NoLift Gate Required: ☐ Yes ☐ No

Freight Terms

Use Smartrise Carrier: ☐ Yes ☐ No☐ Will Call☐ Pre-paidCustomer'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

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

☐ Dupar ☐ ERM ☐ Monitor ☐ Other☐ SEES ☐ Innovation ☐ PTL☐ EPCO ☐ MAD☐ Elevator Cabs and SurfacesCompany 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 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
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*Car Operating Panel**
☐ Single Panel (Default) ☐ Dual Panels

☐ Remote COP (Discrete in M/R)
Is Touch Screen required? ☐ Yes ☐ No
☐ CE Elite ☐ Pixel Opal Touch

*NOTE: CE should provide CE3868 board
Pixel should provide CT-PX2/E encoder

Notes and Special Instructions**Configuration**
☐ Simplex # Cars

☐ Group # Cars in Group # of Hall Risers/Group

 Swing Riser, Car #
☐ 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: _____

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
☐ 2022

☐ 2019

☐ 2016

☐ 2013

☐ 2010

☐ 2007

☐ 2004

☐ 2000

Additional Local Code

☐ NYC (Appendix K)

☐ No Fire Service

☐ Detroit

☐ Massachusetts

☐ Ontario

☐ Florida
Connection Package (Run Box)

Not Required

☐ SmartConnect Package – Recommended
(Pre-Wired Car Top Inspection Box with Switch Guards included)

☐ with Pendant Light (Optional)
CAT5 Package

Not Required

☐ Include Hall Network CAT5 package

Controller (MR) to Hall Network (Hoistway) CAT5 Cable Length

☐ 25 ft (Default) ☐ 50 ft ☐ 100 ft

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	Motor Provided By ☐ Smartrise ☐ Customer (Default)	Regen Kit ☐	Battery Rescue (MRL application must select a Rescue Device below) ☐ Auto Rescue Operation ☐ Manual Brake Release (Default) ☐ Auto Rescue + Manual Brake Release ☐ Not Required	Gov Reset Coil is		Governor Switch is Manually Reset	Machine Type ☐ Geared ☐ Gearless	MRL ☐	Location ☐ Overhead ☐ Basement
						Is 24 VDC (Default)	Is 120 VAC				
1			☐ Smartrise ☐ Customer (Default)	☐	☐ Auto Rescue Operation ☐ Manual Brake Release (Default) ☐ Auto Rescue + Manual Brake Release ☐ Not Required	☐	☐	☐	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement
2			☐ Smartrise ☐ Customer (Default)	☐	☐ Auto Rescue Operation ☐ Manual Brake Release (Default) ☐ Auto Rescue + Manual Brake Release ☐ Not Required	☐	☐	☐	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement
3			☐ Smartrise ☐ Customer (Default)	☐	☐ Auto Rescue Operation ☐ Manual Brake Release (Default) ☐ Auto Rescue + Manual Brake Release ☐ Not Required	☐	☐	☐	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement
4			☐ Smartrise ☐ Customer (Default)	☐	☐ Auto Rescue Operation ☐ Manual Brake Release (Default) ☐ Auto Rescue + Manual Brake Release ☐ Not Required	☐	☐	☐	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement

*Except encoders and cables for PM

Motor Data (☐ Data for all cars are the same as car 1) Failure to provide data will result in delay of controller shipment													
☐ Retain Existing Motor/Machine ☐ Smartrise will assume motor data ☐ New Motor/Machine (*Final datasheet is required)													
Car	Machine Brand/Model	Motor Volts	FLA	HP	RPM	Motor Freq.	# of Poles	PM Accel Volts	Peak Amps	Motor Type ☐ Induction Motor ☐ Permanent Magnet	* Rope Ratio	* Sheave Dia.	* Gear Ratio
1										☐ Induction Motor ☐ Permanent Magnet			
2										☐ Induction Motor ☐ Permanent Magnet			
3										☐ Induction Motor ☐ Permanent Magnet			
4										☐ Induction Motor ☐ Permanent Magnet			

Encoder Data (☐ Data for all cars are the same as car 1) Failure to provide data will result in delay of controller shipment							
Car	Encoder Provided By ☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Customer Supplied Encoder Info Make Model 	Encoder PPR Required if encoder provided by Smartrise	Enc Cable Length If no data is provided, Smartrise will assume the Encoder PPR and Mounting Location	Enc Shaft Dia	Enc Mounting Location ☐ On Motor (Default) ☐ Other	Sine/Cosine Encoder Interface ☐
1	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Make Model 				☐ On Motor (Default) ☐ Other	☐
2	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Make Model 				☐ On Motor (Default) ☐ Other	☐
3	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Make Model 				☐ On Motor (Default) ☐ Other	☐
4	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Make Model 				☐ On Motor (Default) ☐ Other	☐

Brake Data (☐ Data for all cars are the same as car 1) Failure to provide data will result in delay of controller shipment									
☐ Smartrise will assume the brake data									
Car	DC DC (Default)	Pick Volts (DC Only)	Hold Volts (DC Only)	Coil Resistance	Coil Amperage	Emergency (2nd) Brake		Independent (2nd) Brake Data	
						☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Torin Sheave Clamp	☐ Independent 2nd DC Brake on Motor ☐ RBK20	Pick VDC	Hold VDC
1	DC (Default)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Torin Sheave Clamp	☐ Independent 2nd DC Brake on Motor ☐ RBK20		
2	DC (Default)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Torin Sheave Clamp	☐ Independent 2nd DC Brake on Motor ☐ RBK20		
3	DC (Default)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Torin Sheave Clamp	☐ Independent 2nd DC Brake on Motor ☐ RBK20		
4	DC (Default)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Torin Sheave Clamp	☐ Independent 2nd DC Brake on Motor ☐ RBK20		

Note: If no values are provided, Smartrise will proceed with the defaults: 110 VDC and 5 A

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

Motor Control Preference

- ☐ *K.E.B. - K.E.B. drives require this data to be provided
☐ Magnetek
☐ First Available Drive (Not Quatro)
☐ Magnetek Quattro AC

We will notify you if the preference chosen cannot be honored

Filters

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

Notes and Special Instructions

Special Features	Not Required ☐
☐ Remote (2 nd) Fire Key Switch & Lamp	☐ Shunt-Trip
☐ Earthquake (Includes Buzzer and Lamp)	☐ Flood Sensor
☐ Car-to-Lobby Key Switch	Specify Flood Floor (Label): (Default is the first floor above the lowest floor)
☐ Fan and Light Auto Shutoff Circuit (CT only)	☐ 'S' Button
☐ Machine Room Cabinet Power Plug	☐ Machine Room Cabinet Light
☐ Reduced Stroke Buffer (Ontario Only)	☐ Enclosure Legs
☐ 2nd Final Limit (MRL Only)	☐ Inching Operation
☐ Out Of Service Switch	

Special Modes of Operation	Not Required ☐
Independent Service/Hoistway Access (Default)	
☐ In-Car Inspection Switch	
Medical Emergency Service (Provide floor(s) on page 8)	
☐ Building is a Hospital with keys at every floor In Car Buzzer, In Car Lamp, and Hallway Lamp at each Floor are Included	
☐ Non-Hospital – Phase 1 key at main level only In Car Buzzer and In Car Lamp are Included	
☐ Sabbath	
☐ Patient Security	
Specify Patient Security Floors (Labels): (Default: All floors)	

Controller Monitoring System	Not Required ☐
<u>Designed and Manufactured by Smartrise Engineering</u>	
☐ Machine Room Monitoring	
☐ Local Monitoring (Lobby/Engineering/ Management)	
☐ Remote Monitoring (Cloud) – Requires Internet Connection	
<u>Designed and Manufactured by Integrated Display Systems</u>	
☐ Lift-Net with USB RS-422 Interface (Serial)	
☐ Lift-Net with Moxa Unit Interface (Ethernet / LAN)	
<u>Designed and Manufactured by Kings III of America</u>	
☐ ORM (Interface Only)	
☐ BACnet	

Monitoring Viewing Devices	Not Required ☐
<u>All-in-One Touchscreen PCs</u>	
☐ 24"	☐ 27"
<u>Tablets</u>	
☐ 8"	☐ 11"
<u>Laptops</u>	
☐ 15"	

Car Call Security (Specify floors on page 8)	Not Required ☐
☐ Using COP Floor Buttons as Code Entry	
☐ Using Dry Contacts from Card Readers and/or Key Switches	
☐ Input in Car Station	☐ Inputs in Machine Room (Default)
☐ Provide a Car Call Security Override Input	
☐ Input in Car Station	☐ Input in Machine Room (Default)
☐ Door Open Functions on Secured Landings	
Notes	

Hall Call Security	Not Required ☐
☐ Provide Enable/Disable all Hall Calls Input (Simplex)	
☐ Provide a Hall Call Security Override Input (Per floor)	
☐ Dry Contacts in Hall Fixtures (Default)	☐ Signal in Machine Room

Attendant Service	Not Required ☐
☐ Attendant Service (Is NOT Independent Service)	
☐ In Car Buzzer	☐ In Car Lamp
Choose 1: ☐ Hall Call Above/Below Lamps (Default)	
☐ Non-Directional All Hall Call Lamps Requires Discrete Connection from CT to COP Panel Per Landing	
Other: _____	

Emergency Power (If Generator Cannot Run All Cars)	Not Required ☐
E.P. Contact from Generator is	
☐ Normally Open ☐ Normally Closed	
Power Pre-Transfer Contact from Generator is	
☐ Normally Open (Default) ☐ Normally Closed ☐ Not Present	
☐ Emergency Power Car Selector Switch	
☐ Single Car Selection (Default) ☐ 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> :	
Answer the below only if this generator powers other cars (not included in this job):	
Number of Smartrise Cars: Simplexes Groups	
* Provide Smartrise Job Numbers:	

Traveler and Hoistway Cable (Purchase from Smartrise)Not Required ☐

	☐ C4 Traveler Cable #1	☐ C4 Traveler Cable #2	☐ Traveler Cable #5
# OF CONDUCTORS	19	35	69
CORE	Steel	Steel	Steel
DIAMETER	0.90"	1.36"	1.57 0"
# OF 14 AWG	4	4	5
# OF 18 AWG	7	18	40
# OF 20 AWG SHIELD	4 Pair	6 Pair	11 Pair
COAXIAL (RC/6U)	No	1	2
APPROVALS/BOTH	UL Type ETT> NEC Compliant, CSA Type ETT, CSA FT1		

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

	☐ C4 Hoistway Cable
	26
	N/A
	0.55"
	26
	0
	0
	No

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)
- ☐ Pixel Technology

Other: _____

In Hall Position IndicatorNot Required ☐

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

Other: _____

In Car Arrival LanternNot Required ☐

- ☐ CE Micro Com (Default) ☐ Discrete Signals
- ☐ MAD (CAN) Bulb/Chime wattage (If discrete):
- ☐ Pixel Technology
(Connected to PIXEL PI)

Other: _____

In Hall Arrival LanternsNot Required ☐

- ☐ First Floor Only (Discrete) ☐ CE Micro Com Lanterns
(Type: SA130M Req.)
- ☐ All Floors (Smartrise Hall Boards) ☐ MAD (Smartrise Hall Boards)
- ☐ Pixel Technology (Connected
to AD-2TS SERIAL CHIME)
- ☐ If Lamps/Gongs are not 24 VDC / 6 Watt (Explain below)

In Car Passing ChimeNot Required ☐

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

Note:

- CE Micro Com (if Car Position Indicator is CE Micro Com)
- MAD (if Car Car Position Indicator is MAD (CAN))

Load WeighingNot Required ☐**Load Weigher Provided By**

- ☐ Smartise ☐ Customer ☐ Overload Lamp
- ☐ Anti-Nuisance
- ☐ # Ropes ☐ Rope Diameter ☐ 1:1 Roping
- ☐ 2:1 Roping
- ☐ Cross Head Sensors
- ☐ Rope Deflection Sensors

Lobby PanelNot Required ☐

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

Other Requirements

Car Door

Front Door Type	Use this door for all cars or specify which cars use it				
	All ☐	Car 1 ☐	Car 2 ☐	Car 3 ☐	Car 4 ☐

Hall Door Type
☐ Auto Passenger (Default) ☐ Manual

Car Door Type
☐ Auto Passenger (Default) ☐ Manual (See + below) ☐ Powered Freight (See + below)

Select Door Operator

☐	Abell	ATS 0090	Field "EZ"
☐	Fermator	VVVF5	Linear Door Operator
☐	GAL	MODCTL	24 VDC Interface Relays
☐	GAL	MOD	(L, G, or X) Motor Armature Voltage:
☐	GAL	MOVFR	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC
☐	GAL	MOVFE	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC
☐	Kone	AMD	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC Model #: ☐ 1.5 ☐ 2.0
☐	Kone	Mac	104 or 105D Interface Board
☐	Kone	PMSSC	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC 104 or 105D Interface Board
☐	Otis	AT400	120 VDC (Discrete Only & Power Supply by Smartrise)
☐	Otis	Glide A	220 VAC (Discrete Only)
☐	Otis	Glide P	220 VAC (Discrete Only)
☐	SEES	Smooth Operator	Input Voltage: ☐ 220 VAC ☐ 110 VAC
☐	TKE	Dover HD-03	Input Voltage: (Only M Models)
☐	TKE	Dover HD-73	Motor Armature Voltage: (Type D/I/O)
☐	TKE	Dover HD-91	Motor Armature Voltage: (DC Motor)
☐	TKE	HD-85	Motor Armature Voltage:
☐	TKE	HDLM	Input Voltage: AMPS: Requires UIT_I/O Card
☐	TKE	LD-16	Input Voltage:
☐	TKE	ECI	Input Voltage:
☐	Wittur	SGV: MIDI/Supra	V1 Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC V2 Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC
☐	EMS		
☐	Courion		*Input Freight/Door Information at Bottom
☐	Peelle		
☐	Langer+Laumann	TSG V4	Input Voltage: ☐ 230 VAC (Default) ☐ 115 VAC
☐	Other		*Input Other Door Information at Bottom

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

♦ Manual Car Door CAM Type/Information

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

Rear Door Type	Use this door for all cars or specify which cars use it				
	All ☐	Car 1 ☐	Car 2 ☐	Car 3 ☐	Car 4 ☐

Hall Door Type
☐ Auto Passenger (Default) ☐ Manual

Car Door Type
☐ Auto Passenger (Default) ☐ Manual (See + below) ☐ Powered Freight (See + below)

Select Door Operator

☐	Abell	ATS 0090	Field "EZ"
☐	Fermator	VVVF5	Linear Door Operator
☐	GAL	MODCTL	24 VDC Interface Relays
☐	GAL	MOD	(L, G, or X) Motor Armature Voltage:
☐	GAL	MOVFR	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC
☐	GAL	MOVFE	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC
☐	Kone	AMD	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC Model #: ☐ 1.5 ☐ 2.0
☐	Kone	Mac	104 or 105D Interface Board
☐	Kone	PMSSC	Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC 104 or 105D Interface Board
☐	Otis	AT400	120 VDC (Discrete Only & Power Supply by Smartrise)
☐	Otis	Glide A	220 VAC (Discrete Only)
☐	Otis	Glide P	220 VAC (Discrete Only)
☐	SEES	Smooth Operator	Input Voltage: ☐ 220 VAC ☐ 110 VAC
☐	TKE	Dover HD-03	Input Voltage: (Only M Models)
☐	TKE	Dover HD-73	Motor Armature Voltage: (Type D/I/O)
☐	TKE	Dover HD-91	Motor Armature Voltage: (DC Motor)
☐	TKE	HD-85	Motor Armature Voltage:
☐	TKE	HDLM	Input Voltage: AMPS: Requires UIT_I/O Card
☐	TKE	LD-16	Input Voltage:
☐	TKE	ECI	Input Voltage:
☐	Wittur	SGV: MIDI/Supra	V1 Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC V2 Input Voltage: ☐ 230 VAC (Default) ☐ 120 VAC
☐	EMS		
☐	Courion		*Input Freight/Door Information at Bottom
☐	Peelle		
☐	Langer+Laumann	TSG V4	Input Voltage: ☐ 230 VAC (Default) ☐ 115 VAC
☐	Other		*Input Other Door Information at Bottom

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

♦ Manual Car Door CAM Type/Information

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

*Freight/Other Door Operation Information

Manufacturer	
Model	
Reference #'s	
Job Prints from Door Manufacturer are Required	

Notes and Special Instructions:

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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	
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
24			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
23			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
22			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
21			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
20			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
19			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
18			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
17			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
16			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
15			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
14			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
13			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
12			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
11			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
1			☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Default Pit Labels			Pit -> (Default 4")				Pit				Pit				Pit	
☐ Main Fire/Lobby Floor ☐ Alt Fire Floor			☐ 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					
We will default to the lobby landing and the landing above for main and alternate fire floor respectively			Note: If floor to floor Distance is not provided, Smartrise will default to 15ft per floor travel.				If mixed F/R, select boxes above Note: If nothing is selected, Smartrise will proceed with all floors.									

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

Note: If floor to floor Distance is not provided, Smartrise will default to 15ft per floor travel.

Total Hoistway Height (ft)	
Car 1	
Car 2	
Car 3	
Car 4	
☐ All cars same as Car 1	

☐ F ☐ R (Default)	Walkthrough Only: Top Location of Hoistway Up/Dn Switch Car # s _____
☐ F ☐ R (Default)	Walkthrough Only: Bottom Location of Hoistway Up/Dn Switch Car # s _____

Destination Dispatch	Not Required ☐
☐ Full (All Floors)	
☐ Hybrid (Kiosks/Conventional Hall Riser Combination)	
(Fill out the Destination Dispatch specifics on page 11)	

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 page 13

C4 TRACTION AC - Engineering Data Form – Page 9

Rev 24.0 071526

[illegible]

Floor Information (65-96)			Floor Openings				Car Call Security				Hall Call Security				Hosp
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	F R	F R	F R	F R	F R
96															
95															
94															
93															
92															
91															
90															
89															
88															
87															
86															
85															
84															
83															
82															
81															
80															
79															
78															
77															
76															
75															
74															
73															
72															
71															
70															
69															
68															
67															
66															
65															
Enter height between landings 64 and 65 →															

Destination Dispatch (1-48)

☐ Check this box if more than 48 landings (continued on page 12 for landings 49-96)

Floor Information (1-24)			Conventional Hall Risers			
Floor Index	Floor Label	Destination Dispatch Kiosks (maximum of 8 kiosks per floor)	Car 1	Car 2	Car 3	Car 4
			F R	F R	F R	F R
24			☐	☐	☐	☐
23			☐	☐	☐	☐
22			☐	☐	☐	☐
21			☐	☐	☐	☐
20			☐	☐	☐	☐
19			☐	☐	☐	☐
18			☐	☐	☐	☐
17			☐	☐	☐	☐
16			☐	☐	☐	☐
15			☐	☐	☐	☐
14			☐	☐	☐	☐
13			☐	☐	☐	☐
12			☐	☐	☐	☐
11			☐	☐	☐	☐
10			☐	☐	☐	☐
9			☐	☐	☐	☐
8			☐	☐	☐	☐
7			☐	☐	☐	☐
6			☐	☐	☐	☐
5			☐	☐	☐	☐
4			☐	☐	☐	☐
3			☐	☐	☐	☐
2			☐	☐	☐	☐
1			☐	☐	☐	☐
Pit			Pit			

Floor Information (25 - 48)			Conventional Hall Risers			
Floor Index	Floor Label	Destination Dispatch Kiosks (maximum of 8 kiosks per floor)	Car 1	Car 2	Car 3	Car 4
			F R	F R	F R	F R
48			☐	☐	☐	☐
47			☐	☐	☐	☐
46			☐	☐	☐	☐
45			☐	☐	☐	☐
44			☐	☐	☐	☐
43			☐	☐	☐	☐
42			☐	☐	☐	☐
41			☐	☐	☐	☐
40			☐	☐	☐	☐
39			☐	☐	☐	☐
38			☐	☐	☐	☐
37			☐	☐	☐	☐
36			☐	☐	☐	☐
35			☐	☐	☐	☐
34			☐	☐	☐	☐
33			☐	☐	☐	☐
32			☐	☐	☐	☐
31			☐	☐	☐	☐
30			☐	☐	☐	☐
29			☐	☐	☐	☐
28			☐	☐	☐	☐
27			☐	☐	☐	☐
26			☐	☐	☐	☐
25			☐	☐	☐	☐

Destination Dispatch System Access and Functionality

- ☐ BraXos Security System will be used to gain access to landings during a Car Call request.
- ☐ Landings will be accessed via Hall Kiosk Access Code Entry.
- ☐ Discrete Input security will be required.
- ☐ Special car functions will be accessed from Kiosks:
- ☐ Car Recall
 ☐ Swing Car
 ☐ Hospital Service
 ☐ VIP Service
 ☐ Car Out of Service

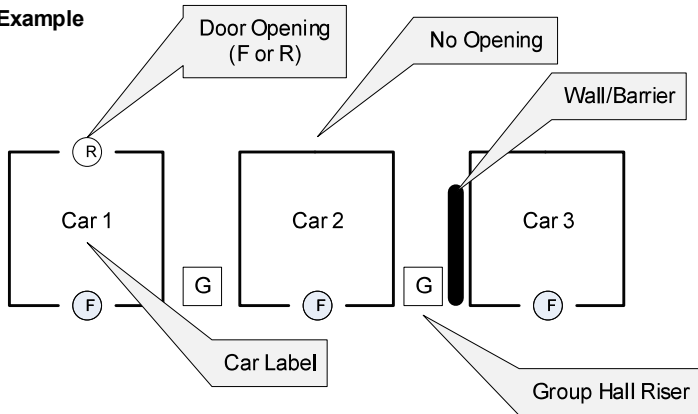
Special Notes and Instructions

Floor Information (49 - 72)			Conventional Hall Risers			
Floor Index	Floor Label	Destination Dispatch Kiosks (maximum of 8 kiosks per floor)	Car 1	Car 2	Car 3	Car 4
			F R	F R	F R	F R
72			☐ ☐	☐ ☐	☐ ☐	☐ ☐
71			☐ ☐	☐ ☐	☐ ☐	☐ ☐
70			☐ ☐	☐ ☐	☐ ☐	☐ ☐
69			☐ ☐	☐ ☐	☐ ☐	☐ ☐
68			☐ ☐	☐ ☐	☐ ☐	☐ ☐
67			☐ ☐	☐ ☐	☐ ☐	☐ ☐
66			☐ ☐	☐ ☐	☐ ☐	☐ ☐
65			☐ ☐	☐ ☐	☐ ☐	☐ ☐
64			☐ ☐	☐ ☐	☐ ☐	☐ ☐
63			☐ ☐	☐ ☐	☐ ☐	☐ ☐
62			☐ ☐	☐ ☐	☐ ☐	☐ ☐
61			☐ ☐	☐ ☐	☐ ☐	☐ ☐
60			☐ ☐	☐ ☐	☐ ☐	☐ ☐
59			☐ ☐	☐ ☐	☐ ☐	☐ ☐
58			☐ ☐	☐ ☐	☐ ☐	☐ ☐
57			☐ ☐	☐ ☐	☐ ☐	☐ ☐
56			☐ ☐	☐ ☐	☐ ☐	☐ ☐
55			☐ ☐	☐ ☐	☐ ☐	☐ ☐
54			☐ ☐	☐ ☐	☐ ☐	☐ ☐
53			☐ ☐	☐ ☐	☐ ☐	☐ ☐
52			☐ ☐	☐ ☐	☐ ☐	☐ ☐
51			☐ ☐	☐ ☐	☐ ☐	☐ ☐
50			☐ ☐	☐ ☐	☐ ☐	☐ ☐
49			☐ ☐	☐ ☐	☐ ☐	☐ ☐

Floor Information (73 - 96)			Conventional Hall Risers			
Floor Index	Floor Label	Destination Dispatch Kiosks (maximum of 8 kiosks per floor)	Car 1	Car 2	Car 3	Car 4
			F R	F R	F R	F R
96			☐ ☐	☐ ☐	☐ ☐	☐ ☐
95			☐ ☐	☐ ☐	☐ ☐	☐ ☐
94			☐ ☐	☐ ☐	☐ ☐	☐ ☐
93			☐ ☐	☐ ☐	☐ ☐	☐ ☐
92			☐ ☐	☐ ☐	☐ ☐	☐ ☐
91			☐ ☐	☐ ☐	☐ ☐	☐ ☐
90			☐ ☐	☐ ☐	☐ ☐	☐ ☐
89			☐ ☐	☐ ☐	☐ ☐	☐ ☐
88			☐ ☐	☐ ☐	☐ ☐	☐ ☐
87			☐ ☐	☐ ☐	☐ ☐	☐ ☐
86			☐ ☐	☐ ☐	☐ ☐	☐ ☐
85			☐ ☐	☐ ☐	☐ ☐	☐ ☐
84			☐ ☐	☐ ☐	☐ ☐	☐ ☐
83			☐ ☐	☐ ☐	☐ ☐	☐ ☐
82			☐ ☐	☐ ☐	☐ ☐	☐ ☐
81			☐ ☐	☐ ☐	☐ ☐	☐ ☐
80			☐ ☐	☐ ☐	☐ ☐	☐ ☐
79			☐ ☐	☐ ☐	☐ ☐	☐ ☐
78			☐ ☐	☐ ☐	☐ ☐	☐ ☐
77			☐ ☐	☐ ☐	☐ ☐	☐ ☐
76			☐ ☐	☐ ☐	☐ ☐	☐ ☐
75			☐ ☐	☐ ☐	☐ ☐	☐ ☐
74			☐ ☐	☐ ☐	☐ ☐	☐ ☐
73			☐ ☐	☐ ☐	☐ ☐	☐ ☐

Elevator(s) Physical Layout

Example

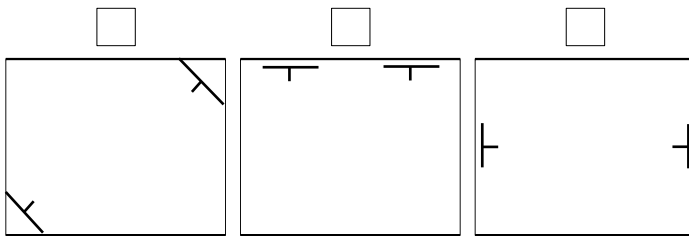


Draw a topographical map of elevator(s) location on grid provided.

- * 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



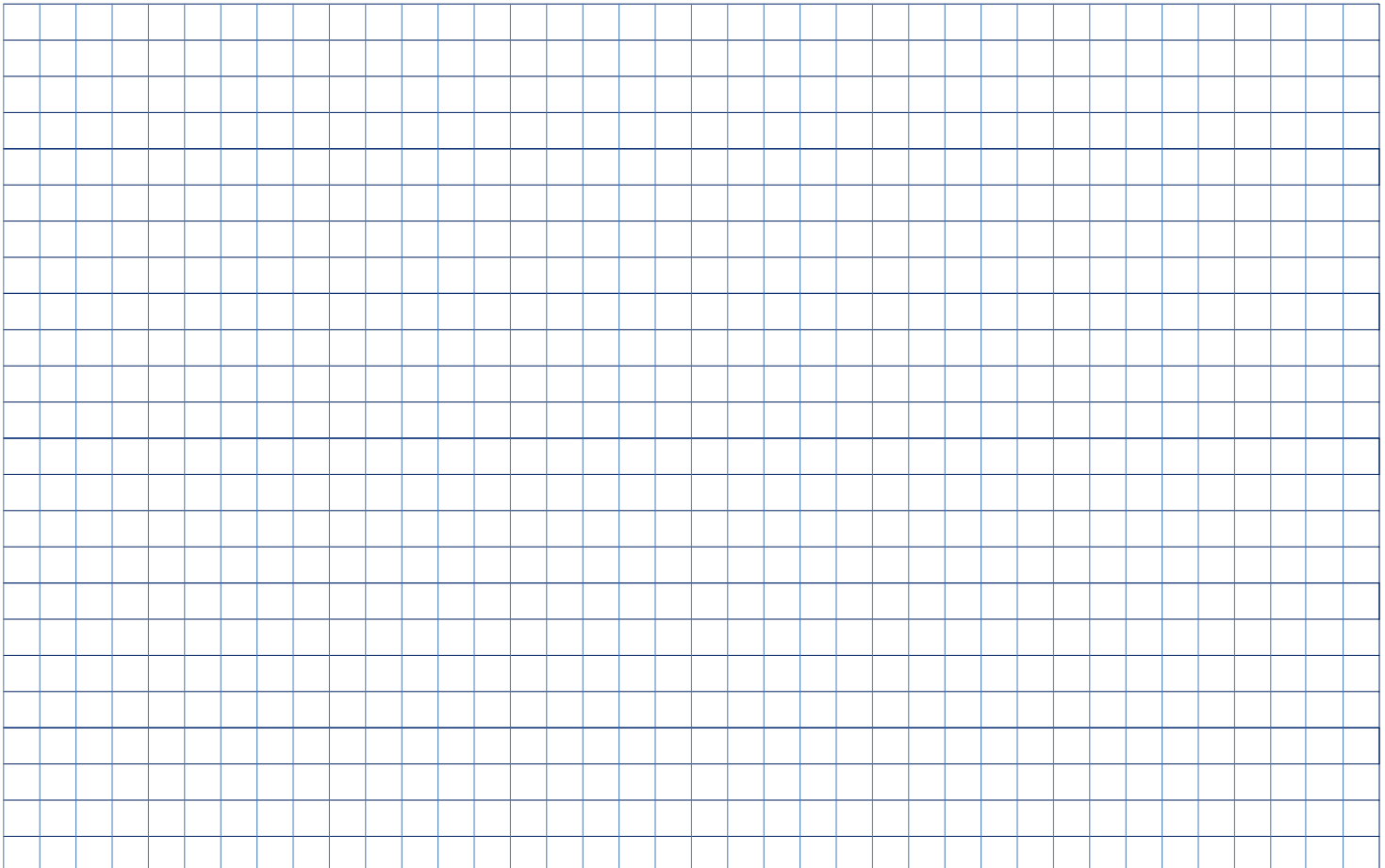
Guide Rail Option

☐ T89

☐ T90

☐ 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

Model

Style

Counter Weight Percentage:

New Motor Information

Volts

RPM

Encoder Cable Length

☐ 30 Ft.

☐ 40 Ft.

☐ 50 Ft.

☐ Other Ft.

☐ Straight Shaft

☐ Tapered Shaft

Existing Motor Information

Manufacturer:

Frame Size/Style:

☐ Foot Mount ☐ Flange Mount

HP

Volts

RPM

Car Speed

Car Capacity

Machine Location ☐ Overhead

☐ Basement

Coupling Survey (Only If Provided by Smartrise)

(CF) Coupling Flange Diameter

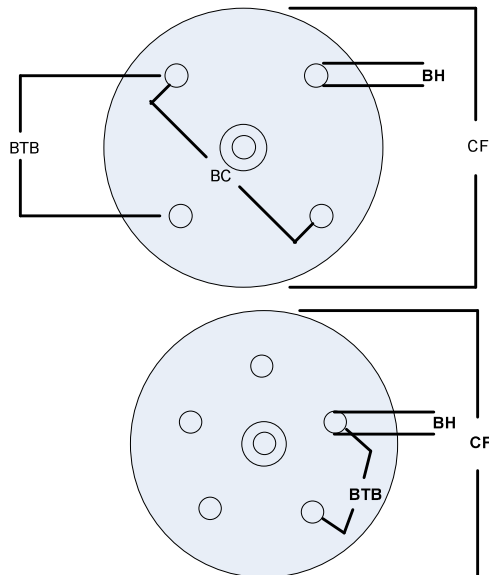
Number of Mounting Bolts

Bolt Size

(BH) Bolt Hole Diameter

(BTB) Center Bolt to Center

Bolt (BC) Bolt Circle



Notes and Special Instructions