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TRACTION AC

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

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

Job Details

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

Market Segment:
- [ ] Federal
- [ ] Education
- [ ] Health Care
- [ ] Hospitality
- [ ] Financial
- [ ] Residential
- [ ] 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 Beckett * BTS * Canton * CED *
* Delaware Elevator Manufacturng * Dura-Vator *
* EECO * EV Elevator International (EEVI) * Hidral *
* Lift Solutions * MEI * Phoenix Modular *
* SEES - Southern Elevator & Electrial Supply * Triumph Electric*

Shipping and Pre-Wire

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

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

☐ ECC ☐ Innovation ☐ PTL

☐ EPCO ☐ MAD ☐ SEES

☐ Elevator Cabs and Surfaces

Company Name: _____

Ship to Address: _____

Job Reference: _____

Contact Person at Mfg.: _____

General Controller Information

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

[ ] 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)

[ ] 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)

*NEMA 4/4x requires ELGO landing system

Connection Package (Run Box)

[ ] 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

[   ]

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)

[   ]

ASME 17.1 Elevator Safety Code Compliance

[ ] 2019
[ ] 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 (☐ 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	Encoder Provided By	Customer Supplied Encoder Info	Regen Kit	Battery Rescue	Gov Reset Coil Is Is 24 VDC	Is 120 VAC
1			☐ Smartrise ☐ Customer	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Make	☐	☐ Auto Rescue Operation ☐ Manual Brake Release ☐ Not Required	☐	☐
2			☐ Smartrise ☐ Customer	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)		☐	☐ Auto Rescue Operation ☐ Manual Brake Release ☐ Not Required	☐	☐
3			☐ Smartrise ☐ Customer	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)	Model	☐	☐ Auto Rescue Operation ☐ Manual Brake Release ☐ Not Required	☐	☐
4			☐ Smartrise ☐ Customer	☐ Smartrise* ☐ None ☐ Customer (Include info in notes)		☐	☐ Auto Rescue Operation ☐ Manual Brake Release ☐ Not Required	☐	☐

*Except encoders and cables for PM

Motor / Encoder Data (☐ Data for all cars are 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	Motor Freq.	# of Poles	PM Accel Volts	* Rope Ratio	* Sheave Dia.	* Gear Ratio	Encodr PPR	Enc Cbl Length	Enc Shaft Dia
1														
2														
3														
4														

Motor Data for IM & PM Motors (☐ Data for all cars are the same as car 1) Failure to provide data will result in delay of controller shipment

Car	Motor Type	Machine Type	MRL	Location	Mount	Peak Amps
1	☐ Induction Motor ☐ Single Speed Motor (Default) ☐ Dual Speed Motor ☐ Permanent Magnet Motor	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement	☐ Foot ☐ Flange	
2	☐ Induction Motor ☐ Single Speed Motor (Default) ☐ Dual Speed Motor ☐ Permanent Magnet Motor	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement	☐ Foot ☐ Flange	
3	☐ Induction Motor ☐ Single Speed Motor (Default) ☐ Dual Speed Motor ☐ Permanent Magnet Motor	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement	☐ Foot ☐ Flange	
4	☐ Induction Motor ☐ Single Speed Motor (Default) ☐ Dual Speed Motor ☐ Permanent Magnet Motor	☐ Geared ☐ Gearless	☐	☐ Overhead ☐ Basement	☐ Foot ☐ Flange	

Brake Data (☐ Data for all cars are 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 (2nd) Brake	Independent (2nd) Brake Data Pick VDC	Hold VDC	Coil Ω	Coil Amp
1	☐ DC (Default) ☐ AC (3-Phase) ☐ AC (1-Phase)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Independent 2nd DC Brake on Motor				
2	☐ DC (Default) ☐ AC (3-Phase) ☐ AC (1-Phase)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Independent 2nd DC Brake on Motor				
3	☐ DC (Default) ☐ AC (3-Phase) ☐ AC (1-Phase)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Independent 2nd DC Brake on Motor				
4	☐ DC (Default) ☐ AC (3-Phase) ☐ AC (1-Phase)					☐ 120 VAC Hollister-Whitney Rope Gripper ☐ Draka Rope Brake ☐ Independent 2nd DC Brake on Motor				

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 (Cube Only)

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 (2ⁿᵈ) Fire Key Switch & Lamp
- [ ] Earthquake
      (Includes Buzzer and Lamp)
- [ ] Car-to-Lobby Key Switch
- [ ] Fan and Light Auto Shutoff Circuit
      (CT only)
- [ ] Machine Room Cabinet Light
- [ ] Machine Room Cabinet Power Plug
- [ ] Shunt-Trip
- [ ] Flood Sensor
- [ ] 'S' Button
- [ ] Enclosure Legs

Special Modes of Operation — Not Required ( )

- [ ] Independent Service (Default)

Hoistway Access [ ] Yes (Default) [ ] No

- [ ] 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 (Attach Spec)
- [ ] Times
      Start [   ] End [   ]
- [ ] Key Switch

- [ ] Patient Security

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)
                 [ ] Other: _____

Emergency Power (If generator can not 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 (Provide details below)

- [ ] Number of cars the generator can operate simultaneously
      (Default value is 1 car)
- [ ] Generator powers other Simplex/Groups

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 (Default)   [ ] Input in Machine Room
- [ ] Override Security When on Independent Service or Attendant Service
- [ ] Provide a Car Call Security Override Input
      [ ] Input in Car Station (Default)   [ ] Input in Machine Room
- [ ] Door Open Button Functions on Secured Landings

Other Considerations

[   ]

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)   [ ] Signals in Machine Room

Other Considerations

[   ]

Controller Monitoring System — Not Required ( )

Designed and Manufactured by Smartrise Engineering

- [ ] Machine Room Monitoring
- [ ] Local Monitoring (Lobby/Engineering/Management)
- [ ] Remote Monitoring (Cloud) – Requires Internet Connection

Designed and Manufactured by Integrated Display Systems

- [ ] Lift-Net with USB RS-422 Interface (Serial)
- [ ] Lift-Net with Moxa Unit Interface (Ethernet / LAN)

Designed and Manufactured by Kings III of America

- [ ] ORM (Interface only)

- [ ] BACnet

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

Draka: ☐ By Draka ☐ By SEES   James Monroe: ☐ Triumph Electric NY ☐ CED   Not Required ◯

	☐ Traveler Cable #1	☐ Traveler Cable #2	☐ Traveler Cable #3	☐ Traveler Cable #4	☐ Traveler Cable #5		☐ Hoistway Cable
CUSTOM LABELING	Yes	Yes	Yes	No	No		Yes
# OF CONDUCTORS	26	33	43	27	69		21
CORE	Jute	Steel	Steel	Jute	Steel		N/A
DIAMETER	1.040"	1.190"	1.370"	0.940"	1.570"		0.640"
# OF 14 AWG	4	4	4	3	5		0
# OF 18 AWG	14	20	23	20	40		21
# OF 20 AWG SHIELD	4	4	7	2	11		0
COAXIAL (RC/6U)	0	1	2	0	2		0
APPROVALS/BOTH	UL Type ETT, NEC Compliant, CSA Type ETT, CSA FT1						UL & CSA Hoistway NEC Compliant

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

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

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)

☐ DL-20 (Interface only)   ☐ MAD (Serial)

Other: _____

In Car Arrival Lantern   Not Required ◯

☐ CE Micro Com (Default)   ☐ Discrete Signals

☐ MAD (Serial)   Bulb/Chime wattage (If discrete): _____

Other: _____

In Car Passing Chime   Not Required ◯

☐ CE Micro Com (Default)   ☐ Discrete Signal

Bulb/Chime wattage (If discrete): _____

In Car Voice Annunciator   Not Required ◯

☐ CE Micro Com   ☐ Speaker is Remote
Interface Only

Other: _____

Load Weighing   Not 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

In Hall Position Indicator   Not Required ◯

☐ CE Micro Com (Default)   ☐ Discrete Signals (One line per floor)

☐ EX-51 (Interface only)   ☐ Discrete Signals (Binary)

☐ _____ # of Floors with Hall Position Indicators   ☐ MAD (Serial)

☐ 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)   ☐ EX-51/EX31 (Interface only)

☐ 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

☐ Emergency Power Lamp

Other Requirements

Car Door

Door Type 1

	Use this door for all cars or specify which cars use it				
	All	Car 1	Car 2	Car 3	Car 4
	☐ F ☐ R	☐ F ☐ R	☐ F ☐ R	☐ F ☐ R	☐ F ☐ R

Hall Door Type

☐ Auto Passenger (Default)   ☐ Manual

Car Door Type

☐ Auto Passenger (Default)   ☐ Manual   ☐ 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
☐	GAL	MOVFR	230 VAC Input Voltage
☐	Kone	Mac	104 or 105D Interface Board
☐	Kone	PMSSC	104 or 105D Interface Board
☐	Otis	Glide A	Discrete Only
☐	Otis	AT-400	240 VAC / 120 VAC Interface Power Supply by SRE (Discrete)
☐	TKE	Dover HD-03	Only M Models
☐	TKE	Dover HD-73	Type D/IVO
☐	TKE	Dover HD-91	DC Motor
☐	TKE	HDLM	Requires UIT_I/O Card
☐	Wittur	Mini/Supra	120 VAC / 230 VAC
☐	EMS		*Input Freight/Door Information at Bottom
☐	Courion		
☐	Peelle		
☐	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 Information

Door Type 2

	Use this door for all cars or specify which cars use it				
	All	Car 1	Car 2	Car 3	Car 4
	☐ F ☐ R	☐ F ☐ R	☐ F ☐ R	☐ F ☐ R	☐ F ☐ R

Hall Door Type

☐ Auto Passenger (Default)   ☐ Manual

Car Door Type

☐ Auto Passenger (Default)   ☐ Manual   ☐ 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
☐	GAL	MOVFR	230 VAC Input Voltage
☐	Kone	Mac	104 or 105D Interface Board
☐	Kone	PMSSC	104 or 105D Interface Board
☐	Otis	Glide A	Discrete Only
☐	Otis	AT-400	240 VAC / 120 VAC Interface Powr Supply by SRE (Discrete)
☐	TKE	Dover HD-03	Only M Models
☐	TKE	Dover HD-73	Type D/IVO
☐	TKE	Dover HD-91	DC Motor
☐	TKE	HDLM	Requires UIT_I/O Card
☐	Wittur	Mini/Supra	120 VAC / 230 VAC
☐	EMS		*Input Freight/Door Information at Bottom
☐	Courion		
☐	Peelle		
☐	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 Information

---

*Freight/Other Door Operation Information

Manufacturer	
Model	
Reference #'s	

Job Prints from Door Manufacturer are Required

Notes and Special Instructions:

Floor Information

PI Labels	Floor Label	Floor Height
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		
Default PI labels	Pit -> (Default 4ft)	

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
↑ EMT/Flood Floor

Floor Openings

	Car 1 (F R)	Car 2 (F R)	Car 3 (F R)	Car 4 (F R)
(rows 27 → 1, checkboxes)
Pit

☐ All cars same as Car 1
☐ All walk-through
☐ All front
Number of floors: [ ]

Car Call Security

	Car 1 (F R)	Car 2 (F R)	Car 3 (F R)	Car 4 (F R)
(rows 27 → 1, checkboxes)
Pit

☐ All cars same as Car 1
☐ All walk-through
☐ All front
Number of floors: [ ]

Hall Call Security

	Car 1 (F R)	Car 2 (F R)	Car 3 (F R)	Car 4 (F R)
(rows 27 → 1, checkboxes)
Pit

☐ All cars same as Car 1
☐ All walk-through
☐ All front
Number of floors: [ ]

Hosp

F R
(rows 27 → 1, checkboxes)
Pit

Total Hoistway Height (ft)

Car 1	
Car 2	
Car 3	
Car 4	

☐ 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 ☐ 100 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 Rails

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 Sheet 9

Elevator(s) Physical Layout

Example

Door Opening
(F or R)

No Opening

Wall/Barrier

R

Car 1

Car 2

Car 3

G

F

G

F

G

F

Car Label

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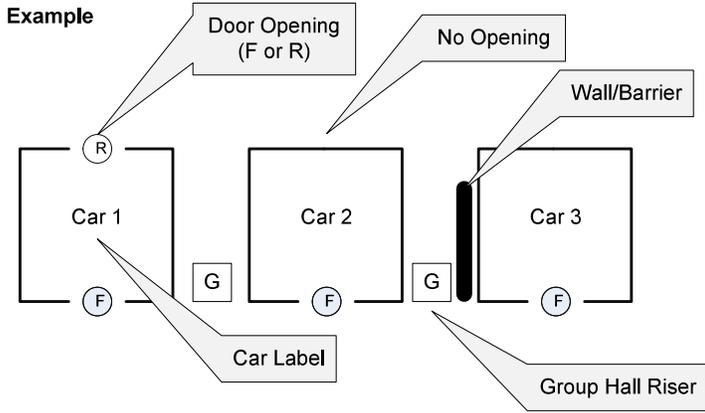
Draw a topographical map of elevator(s) location on grid provided.

* 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)

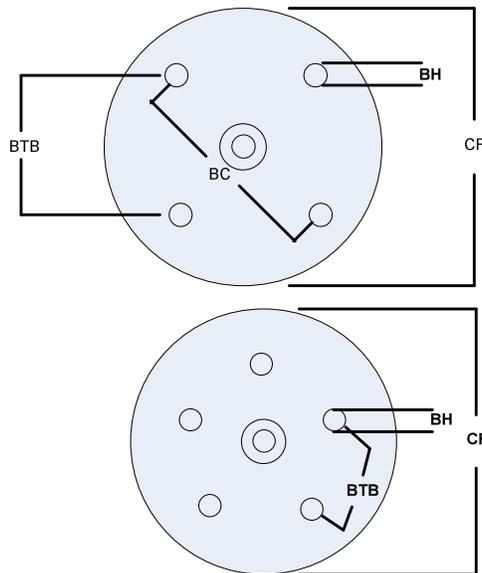Notes/Special Considerations

Traction Motor Purchase from Smartrise

* Complete only if purchasing a motor from Smartrise
* All other motor data is provided on Page 4

Existing Machine Information

Machine Brand _____

Model _____

Style _____

Counter Weight Percentage: _____

New Motor Information

Volts _____

RPM _____

☐ Straight Shaft
☐ Tapered Shaft

Encoder Cable Length
☐ 30 Ft.
☐ 40 Ft.
☐ 50 Ft.
☐ Other _____ Ft.

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