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TRACTION DC

Engineering Data Form – Page 1

Rev 200103

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 DC - Table of Contents by Page

- | | |
|-----------------------------------|--------------------------------|
| 1. Job Information | 6. Fixtures |
| 2. Shipping & Pre-Wire | 7. Car Door Data |
| 3. General Controller Information | 8. Landings and Openings |
| 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:

☐ Federal

☐ Health Care

☐ Education

☐ 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:

Notes and Special Instructions

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
<div></div>	<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>	<div></div>
<div></div>	<div></div>	<div></div>	<div></div>

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

☐ Monitor

☐ PTL

☐ ECC

☐ MAD

☐ Otis

☐ Other

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 (custom 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 conditioned cooled (add A/C Unit) Controller☐ Cabinet Forced Air cooled (add Fan and Filter)☐ Controller Cabinet Air-pressure cooled (add Vortex) (Customer to provide Air Compressor)☐ Arc Flash Protection☐ Special attention to hoist-way 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 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	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 (<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			
1	<input type="checkbox"/> DC (default) <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (1 Phase)					<input type="checkbox"/> 120vac Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake (* below)	<input type="checkbox"/> Independent 2nd DC Brake on Motor						
2	<input type="checkbox"/> DC (default) <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (1 Phase)					<input type="checkbox"/> 120vac Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake (* below)	<input type="checkbox"/> Independent 2nd DC Brake on Motor						
3	<input type="checkbox"/> DC (default) <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (1 Phase)					<input type="checkbox"/> 120vac Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake (* below)	<input type="checkbox"/> Independent 2nd DC Brake on Motor						
4	<input type="checkbox"/> DC (default) <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (1 Phase)					<input type="checkbox"/> 120vac Hollister-Whitney Rope Gripper <input type="checkbox"/> Draka Rope Brake (* below)	<input type="checkbox"/> Independent 2nd DC Brake on Motor						

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

* For Draka 6501 Rope Brake (If Supplied by Smartrise)

☐ Rope Spread ☐ Rope Diameter

Motor Control Preference
<input type="checkbox"/> Magnetek DSD 412 (default) <input type="checkbox"/> Magnetek Quattro DC (regen included)

We will notify you if the preference chosen cannot be honored

Filters
<input type="checkbox"/> Line Reactor <input type="checkbox"/> EMI/RFI Filter <input type="checkbox"/> Harmonic Filter

Notes and Special Instructions

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Special Features	Not Required <input type="radio"/>
<input type="checkbox"/> Remote (2 nd) Fire Keyswitch & 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 Keyswitch	<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	
<input type="checkbox"/> Mechanical Normal Limits (Mechanical Switches not provided by Smartrise)	

Special Modes of Operation	Not Required <input type="radio"/>
<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	
<div style="border: 1px solid black; padding: 5px;"> Medical Emergency Service (provide floor(s) on page 8) <div style="padding: 5px;"> <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> </div> <div style="padding: 5px;"> <input type="checkbox"/> Non-hospital – Phase 1 key at main level only <small>In Car Buzzer and In Car Lamp are included</small> </div> </div>	
<input type="checkbox"/> Sabbath (attach spec)	
Other <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	

<input type="checkbox"/> Attendant Service (Is NOT Independent Service) <div style="padding: 5px;"> <input type="checkbox"/> In Car Buzzer <input type="checkbox"/> In Car Lamp </div> Choose 1: <input type="checkbox"/> Hall Call Above/Below Lamps (default) <div style="padding: 5px;"> <input type="checkbox"/> Non-directional (all hall call lamps) </div> <div style="padding: 5px;"> <input type="checkbox"/> Other : _____ </div>

Emergency Power (if generator cannot run all cars) Not Required <input type="radio"/>
E.P. Contact from Generator is <div style="padding: 5px;"> <input type="checkbox"/> Normally Open <input type="checkbox"/> Normally Closed </div>
Power Pre-Transfer Contact from Generator is <div style="padding: 5px;"> <input type="checkbox"/> Normally Open <input type="checkbox"/> Normally Closed <input type="checkbox"/> Not Present (default) </div>
<input type="checkbox"/> Emergency Power Car Selector Switch <div style="padding: 5px;"> <input type="checkbox"/> Single Car Selection (default) <input type="checkbox"/> Multiple Car Selection (provide details below) </div>
<div style="border: 1px solid black; padding: 5px; width: 100px; display: inline-block;"> Number of cars the generator can operate simultaneously. <small>(default value is 1 car)</small> </div>
<input type="checkbox"/> Generator powers other Simplex/Groups.

Car Call Security (specify floors on page 9) Not Required <input type="radio"/>
<input type="checkbox"/> Using COP Floor Buttons as Code Entry
<input type="checkbox"/> Using Dry Contacts from Card Readers and/or Keyswitches <div style="padding: 5px;"> <input type="checkbox"/> Input in Car Station (default) <input type="checkbox"/> Input in Machine Room </div>
<input type="checkbox"/> Override Security When on Independent Service or Attendant Service
<input type="checkbox"/> Provide a Car Call Security Override Input <div style="padding: 5px;"> <input type="checkbox"/> Input in Car Station (default) <input type="checkbox"/> Input in Machine Room </div>
<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="radio"/>
<input type="checkbox"/> Provide Enable/Disable all Hall Calls Input (simplex)
<input type="checkbox"/> Provide a Hall Call Security Override Input (per floor) <div style="padding: 5px;"> <input type="checkbox"/> Dry Contacts in Hall Fixtures (default) <input type="checkbox"/> Signals in Machine Room </div>
Other Considerations <div style="border: 1px solid black; height: 50px; width: 100%;"></div>

Controller Monitoring System Not Required <input type="radio"/>
<u>Designed and Manufactured by Smartrise Engineering</u> <div style="padding: 5px;"> <input type="checkbox"/> SmartView 2.0 Monitoring </div>
Quantity <div style="padding: 5px;"> <input type="checkbox"/> Number of 7 Inch Viewing Devices </div>
<div style="padding: 5px;"> <input type="checkbox"/> Number of 11 Inch Viewing Devices </div>
<div style="padding: 5px;"> <input type="checkbox"/> Number of 19 Inch Viewing Devices </div>
<input type="checkbox"/> Access outside of Machine Room <small>Outside machine room requires cloud subscription through Smartrise and internet access. Inside the machine room requires WiFi on PC or tablet.</small>
<u>Designed and Manufactured by Integrated Display Systems</u> <div style="padding: 5px;"> <input type="checkbox"/> Lift-Net (interface only) </div>
<u>Designed and Manufactured by Kings III of America</u> <div style="padding: 5px;"> <input type="checkbox"/> ORM (interface only) </div>

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

<input type="checkbox"/> Draka	<input type="checkbox"/> James Monroe						Not Required <input checked="" type="radio"/>
CUSTOM LABELING	TRAVELER CABLE #1 Yes	TRAVELER CABLE #2 Yes	TRAVELER CABLE #3 Yes	TRAVELER CABLE #4 No	TRAVELER CABLE #5 No	Length of Cable(s) Per car (in feet)	HOISTWAY CABLE Yes
# OF CONDUCTORS	26	33	43	27	69	[] Car 1 []	21
CORE	Jute	Steel	Steel	Jute	Steel	[] Car 2 []	N/A
DIAMETER	1.040"	1.190"	1.370"	0.940"	1.570"	[] Car 3 []	0.640
# OF 14 AWG	4	4	4	3	5	[] Car 4 []	0
# OF 18 AWG	14	20	23	20	40	[] Car 5 []	21
# OF 20 AWG SHIELD	4	4	7	2	11	[] Car 6 []	0
COAXIAL (RG/6U)	0	1	2	0	2		UL & CSA Hoistway NEC Compliant
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	
<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		
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/EX31 (interface only)	<input type="checkbox"/> RSL	
<input type="text"/> # of Floors with Hall Position Indicators		
Other: _____		

In Car Arrival Lantern	Not Required <input type="radio"/>
<input type="checkbox"/> CE Micro Com (default) <input type="checkbox"/> Discrete Signals	
<input type="checkbox"/> Emotive 3-Wire <input type="checkbox"/> Bulb/Chime wattage (if Discrete): <input style="width: 100px;" type="text"/>	
<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 24VDC/6 Watt. (explain below)	
<div style="border: 1px solid black; height: 150px; width: 100%;"></div>	

In Car Passing Chime		Not Required
<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 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"/> Smartrise <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"/> Overload Lamp
<input type="checkbox"/> Smartrise (EMCO)	<input type="checkbox"/> Customer	<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

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 <input type="checkbox"/> Auto Passenger (default) <input type="checkbox"/> Powered Freight (see * below) <input type="checkbox"/> Manual <input type="checkbox"/> Other									
Select Door Operator									
<input type="checkbox"/>	Abell	ATS 0090	Field "EZ"						
<input type="checkbox"/>	GAL	MODCTL	24vdc interface relays						
<input type="checkbox"/>	GAL	MOD	L, G, or X						
<input type="checkbox"/>	GAL	MOVFR	230vac 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 AC/120 VDC Interface						
<input type="checkbox"/>	Otis	AT-400/Glide P	Multi-Drop						
<input type="checkbox"/>	TKE	Dover HD-03	Requires IO Card: 6300TX2 (110vac)						
<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						
 <input type="checkbox"/> Door Protection <input type="checkbox"/> Photo Eye/Light Curtain (default) <input type="checkbox"/> Mechanical Safety Edge <input type="checkbox"/> Door Hold Button									
<input type="checkbox"/> Cam <input type="checkbox"/> Mechanical <input type="checkbox"/> DC <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (Single Phase) <table><tr><td>Volts</td><td>Amps</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td></tr></table>						Volts	Amps	<input type="text"/>	<input type="text"/>
Volts	Amps								
<input type="text"/>	<input type="text"/>								
<input type="checkbox"/> Gate Release <input type="checkbox"/> DC <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (Single Phase) <table><tr><td>Volts</td><td>Amps</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td></tr></table>						Volts	Amps	<input type="text"/>	<input type="text"/>
Volts	Amps								
<input type="text"/>	<input type="text"/>								
Other Door Considerations <div></div>									

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 <input type="checkbox"/> Auto Passenger (default) <input type="checkbox"/> Powered Freight (see * below) <input type="checkbox"/> Manual <input type="checkbox"/> Other									
Select Door Operator									
<input type="checkbox"/>	Abell	ATS 0090	Field "EZ"						
<input type="checkbox"/>	GAL	MODCTL	24vdc interface relays						
<input type="checkbox"/>	GAL	MOD	L, G, or X						
<input type="checkbox"/>	GAL	MOVFR	230vac 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 AC/120 VDC Interface						
<input type="checkbox"/>	Otis	AT-400/Glide P	Multi-Drop						
<input type="checkbox"/>	TKE	Dover HD-03	Requires IO Card: 6300TX2 (110vac)						
<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						
 <input type="checkbox"/> Door Protection <input type="checkbox"/> Photo Eye/Light Curtain (default) <input type="checkbox"/> Mechanical Safety Edge <input type="checkbox"/> Door Hold Button									
<input type="checkbox"/> Cam <input type="checkbox"/> Mechanical <input type="checkbox"/> DC <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (Single Phase) <table><tr><td>Volts</td><td>Amps</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td></tr></table>						Volts	Amps	<input type="text"/>	<input type="text"/>
Volts	Amps								
<input type="text"/>	<input type="text"/>								
<input type="checkbox"/> Gate Release <input type="checkbox"/> DC <input type="checkbox"/> AC (3 Phase) <input type="checkbox"/> AC (Single Phase) <table><tr><td>Volts</td><td>Amps</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td></tr></table>						Volts	Amps	<input type="text"/>	<input type="text"/>
Volts	Amps								
<input type="text"/>	<input type="text"/>								
Other Door Considerations <div></div>									

* Freight/Other Door Operator Info

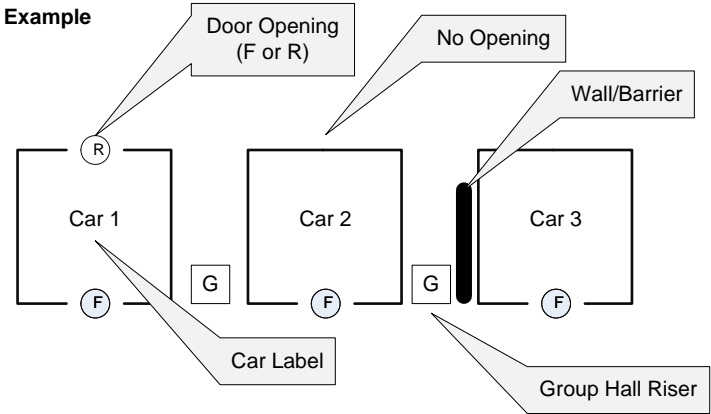
Manufacturer	<input type="text"/>
Model	<input type="text"/>
Reference #'s	<input type="text"/>
Job Prints from Door Manufacturer are Required	

Notes and Special Instructions:

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Important: Provide Physical Layout on Sheet 9

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