

C4 TRACTION AC

* Delaware Elevator Manufacturng * Dura-Vator *
* EECO * EV Elevator International (EEVI) * Hidral *

* Lift Solutions * MEI * Phoenix Modular *

* SEES - Southern Elevator & Electrial Supply * Triumph Electric*

Engineering Data Form - Page 1

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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.

City:

State:

Zip Code:

 If a categor 	y is not completed, the default option will be assume	ed.
·	TRACTION A	AC - 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/Encoder, 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, ar	nd submitted electronically using Adobe Reader.
Job Details]
Job Name:		Market Segment: Financial
PO#:		Federal Health Care Residential
Job Location (City & State):	Education Hospitality Other
,		Education Hospitality Other
Purchasers In	formation: (If Packager, Fill in End User Info on Right)	End User Information: (For Packager Use Only)
Name:		Name:
Title:		Title:
Company:		Company:
Phone:	Fax:	Phone: Fax:
Cell:		Cell:
Email:		Email:
Engineering	Contact Information: (If different than above)	Job Site Address: (Address Where Controller(s) Will Be Installed)
Name:		Street:
Phone:	Fax:	Sileei.
Cell:		City:
Email:		State:
	Date Filled Out	Zip Code:
Building Own	er/Manager Information	FULL ELEVATOR SYSTEMS
Name:		
Phone:		Should you have a need for complete or partial elevator systems, contact Smartrise Sales for more information.
Email:		
Street:		Smartrise Packager Partners
		* Alliance * AVT Beckett * BTS * Canton * CED *

Shipping and Pre-Wire

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Shipping Information	
Contact Name:	
Phone:	<u> </u>
Contact Fax/Email:	
Smartrise Call Prior to Shipping: Yes No	!
Carrier Call for Delivery Appointment: Yes No	ı
Lift Gate Required: Yes No	
	's Carrier Name:
Freight Terms	
Use Smartrise Carrier: Yes No Carrier's A	Collect Third-Party
Will Call	Third-Party Billing (Duties & Taxes)
Pre-paid	
Ship to Name/Company:	Bill To Address:
Shipping Address:	
Shipping Schedule	Desired Chin Dete from Constring
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	Company Name:
Dupar ERM Monitor Other	Ship to Address:
ECC Innovation PTL	
EPCO MAD SEES	
Elevator Cabs and Surfaces	
Leb Deformance	October Demonstration
Job Reference:	Contact Person at Mfg.

General Controller Information

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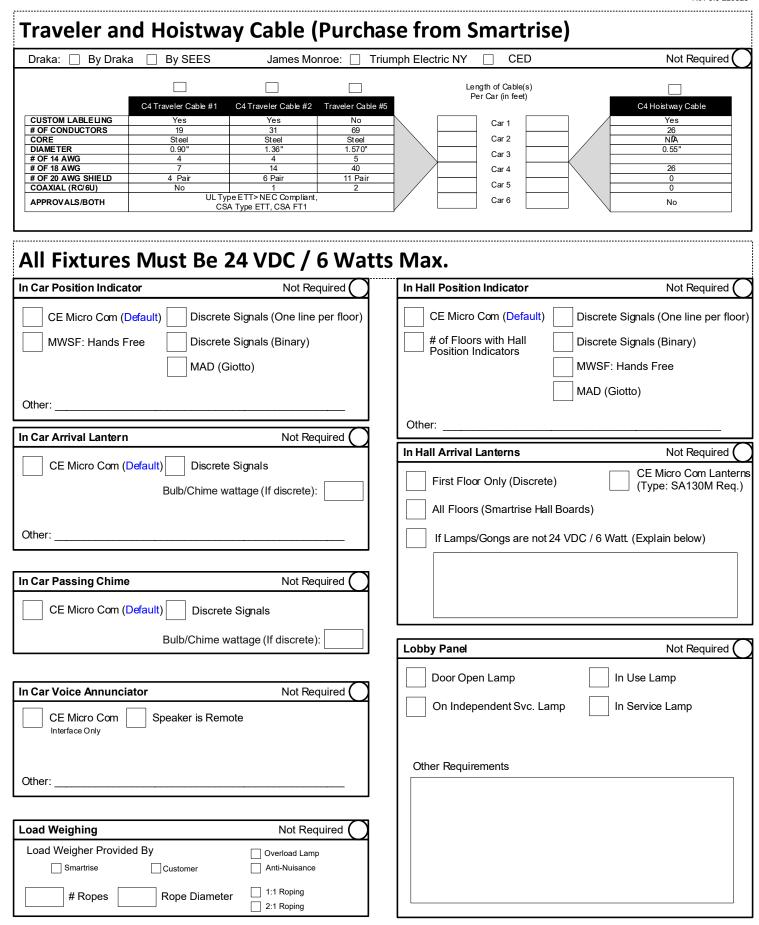
Electrical Main Line and Transformer Specification	Configuration
Main Line Specification: Main Line Volts (Transformer required if there is more than a 10% difference between the main line and motor volts)	Simplex # Cars
Three Phase (Default)	Group # Cars in Group # of Hall Risers/Group
VAC L1 to GND VAC L2 to GND VAC L3 to GND	Swing Riser, Car #
Single Phase	Selective Collective (2 buttons/floor, multiple calls) (Default)
Hz (Main Line is 60Hz unless otherwise stated)	Other:
Main Line Transformer (If Customer Requires)	
Provided by Smartrise	Smart Dispatching
Provided By Customer (Customer to provide drawing)	
Secondary Voltage	Lobby Boost (Lobby Only) Full (All Floors)
kVA	
Data Plate Copy Included	
	Build to Job Specifications Not Required
Environmental Considerations Not Required	We will review the spec and provide a list of exceptions, when
Controller Cabinet Air conditioned cooled (add A/C Unit) Controller	necessary
Controller Cabinet Forced Air cooled (add Fan and Filter)	Job needs to be built to meet Engineering Specifications in Document provided EXCEPT those listed below (Provide
Arc Flash Protection	page/section and description of exceptions)
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 Pating for Top of Car Englocure (If required)	
NEMA Rating for Top of Car Enclosure (If required)	
Car Operating Panel	
Single Panel (Default) Dual Panels	ASME 17.1 Elevator Safety Code Compliance
Remote COP (Discrete in M/R)	2019 Additional Local Code
	2016 2013
Notes and Special Instructions	2010
	2007 NYC (Appendix K)
	2004 No Fire Service MASSACHUSETTS
	2000
	Connection Package (Run Box)
	SmartConnect Package – Recommended
	(Pre-Wired Car Top Inspection Box included)

Trac	ction Features (Fe	eatures for all	cars is th	e same as	s car 1) F	Failure t	to provid	e data	will result in	delay o	f controller	shipmer	nt		
Car	Contract Speed	Capaci	Motor Encoder Provide			rovided l	Зу	Customer Supplied	Regen Kit	Batter	y Rescu	е		set Coil Is	
			Provided By						Encoder Info					ls 24 VDC	Is 120 VAC
1			Smartrise Smartrise* N Customer Customer (Include info i					Make		Auto Rescue Opera Manual Brake Relea Not Required					
2				Smartrise Customer		artrise* tomer (Inc	No Notlude info in				Auto Rescue Opera Manual Brake Relea				
3				Smartrise Smartrise* None Customer (Include info in notes)					Model		Auto Rescue Opera				
4							Smartrise* None Customer (Include info in notes)				Not Required Auto Rescue Opera Manual Brake Relea				
					*Excep	t encoder	s and cable	s for PM			Not Requ	ired			
Moto	or/Encoder Data (Data for all ca	ars are the	e same as					will result in	delay o	f controller	shipmen	ıt		
Car	Machine Brar		Motor Volts	FLA	HP	RPM	Motor Freq.	# of Poles	PM Accel Volts	Rope Ratio	Sheave Dia.	Gear Ratio	Enco		
1															
2															
3															
4															
Mot	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	<u> </u>	Motor					Machine T	$\overline{}$	MRL Loca		Mount	Peak A			
1	Induction Motor Permanent Magnet Motor	Single Spe	• •	efault) 🔲 🛭	oual Speed		Geared Gearless		=	erhead sement	Foot Flange				
2	Induction Motor Permanent Magnet Motor	Single Spe	eed Motor (D	efault) 🔲 🛭	oual Speed	Motor [Geared Gearless	5	=	erhead sement	Foot Flange				
3	Induction Motor Permanent Magnet Motor		eed Motor (D	efault) 🔲 🛭	oual Speed	Motor [Geared Gearless	s		erhead sement	Foot Flange				
4	Induction Motor Permanent Magnet Motor	Single Spe	eed Motor (D	efault) 🔲 🛭	oual Speed	Motor [Geared Gearless	5	=	erhead sement	Foot Flange				
Brak	e Data (Data for a	all cars are th	e same a	s car 1) <mark>Fa</mark>	ailure to p	provide	data wil	result	in delay of c	ontrolle	r shipment				
Car	DC	Pick Volts		Coil Resistance	Coil			En	Emergency (2 nd) Brake Independent (2nd) Brak						
1	DC (Default)	(2007/0)	(Bo only)	redictarios	7 importage	120) VAC Hollis aka Rope B		ney Rope Grippe	er	Independent 2 DC Brake on		FICK VDC	Hold VDC C	Coil Ω Coil Amp
2	DC (Default)) VAC Hollis aka Rope B		ney Rope Grippe	er 🔲	Independent 2 DC Brake on				
3	DC (Default)) VAC Hollis aka Rope B		ney Rope Grippe	er	Independent 2 DC Brake on				
4	DC (Default)					Dra	aka Rope B	rake	ney Rope Grippe		Independent 2 DC Brake on	Motor			
						Hollis	ster-Whi	ney Ro	ppe Gripper	if NOT	120 VAC. S	Specify \	/oltage		
Moto	r Control Preference		Fil	ters											
	K.E.B.			Line Read	ctor										
	Magnetek			EMI/RFI I	ilter										
	Magnetek Quattro AC ((Cube Only)		Harmonic	Filter										
We will	notify you if the prefer	rence chosen	cannot b	e honored	• • • • • •										
	and Special Instruction														

Features and Functions

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Special Features	Not Required O	Car Call Security (Specify floors on pag 8) Not Required
Remote (2 nd) Fire Key Switch & Lamp	Shunt-Trip	Using COP Floor Buttons as as Code Entry
Earthquake (Includes Buzzer and Lamp)	Flood Sensor	Using Dry Contacts from Card Readers and/or Key Switches Input in Car Station (Default) Inputs in Machine Room
Car-to-Lobby Key Switch	'S' Button	Override Security When on Independent Service or Attendant Serviced
Fan and Light Auto Shutoff Circuit (CT only)	Machine Room Cabinet Light	Provide a Car Call Security Override Input
Machine Room Cabinet Power Plug	Enclosure Legs	Door Open Functions on Secured Landings
Special Modes of Operation	Not Required	Notes
Independent Service (Required)		
Hoistway Access (Required)		
In-Car Inspection Switch		
Medical Emergency Service (Provide floor(s)) on page 8)	
Building is a Hospital with keys at every		
Non-Hospital – Phase 1 key at main leve	el only	
Sabbath (Attach spec)		
Times		Hall Call Security Not Required
Start End		
Key Switch		Provide Enable/Disable all Hall Calls Input (Simplex)
Patient Security		Provide a Hall Call Security Overide Input (Per floor) Dry Contacts in Hall Fixtures (Default) Signal in Machine Room
Attendant Service	Not Required (
Attendant Service (Is NOT Independent Ser	rvice)	
☐ In Car Buzzer ☐ In Car Lamp		
Choose 1: Hall Call Above/Below Lamps (Default)		Controller Monitoring System Not Required
Non-Directional All Hall Call Lamps Requires Discrete Connection from CT to	COP Panel PerLanding	Designed and Manufactured by Smartrise Engineering
Other:		Machine Room Monitoring
Emergency Power (If Generator Cannot Run A	All Cars) Not Required	Local Monitoring (Lobby/Engineering/ Management)
E.P. Contact from Generator is		Remote Monitoring (Cloud) – Requires Internet Connection
Normally Open Normally Closed		
Power Pre-Transfer Contact from Generator is		Designed and Manufactured by Integrated Display Systems
Normally Court (Defects)	Net Descript	Designed and Manufactured by Integrated Display Systems Lift-Net with USB RS-422 Interface (Serial)
Normally Open (Default) Normally Closed	☐ Not Present	
□ Normally Open (Default) □ Normally Closed □ Emergency Power Car Selector Switch □ Single Car Selection (Default) □ Multiple Car Selection		Lift-Net with USB RS-422 Interface (Serial)
Emergency Power Car Selector Switch Single Car Selection (Default) Multiple Car Selection Number of cars the generator can open	tion (Provide details below)	Lift-Net with USB RS-422 Interface (Serial) Lift-Net with Moxa Unit Interface (Ethernet / LAN)
Emergency Power Car Selector Switch Single Car Selection (Default) Multiple Car Selection Number of cars the generator can open (Default value is 1 car)	tion (Provide details below)	Lift-Net with USB RS-422 Interface (Serial) Lift-Net with Moxa Unit Interface (Ethernet / LAN) Designed and Manufactured by Kings III of America
Emergency Power Car Selector Switch Single Car Selection (Default) Multiple Car Selection Number of cars the generator can open	tion (Provide details below)	Lift-Net with USB RS-422 Interface (Serial) Lift-Net with Moxa Unit Interface (Ethernet / LAN) Designed and Manufactured by Kings III of America



Door	Door Use this door for all cars or specify which cars use it											
Type All Car1 Car2 Car3 Car4				Type All Car1 Car2 Car3							Car 4	
1	□F□	R			2		☐ F ☐ I	R F R	☐ F☐ R	☐ F☐ R	☐ F☐ R	
Hall Door Type	(5.6.10)	☐ Manual	Hall Door Type Auto Passenger (Default) Manual									
Auto Passenge												
Car Door Type	Car Door Type Auto Passenger (Default) Manual Powered Freight (See * below)											
Auto Passeng		l	Auto Passenge	. ,		Manual	Powered	Freight (See	* below)			
Select Door Operator					lect Door Ope							
Abell	ATS 0090			亅	Abell		0090	Field "EZ"				
GAL	MODCTL	24 VDC interface relays		릐	GAL		OCTL	24 VDC int	erface rela	ays		
GAL	MOD	L, G, or X		亅	GAL		OD OC	L, G, or X				
GAL	MOVFR	230 VAC input voltage		믝	GAL		VFR	230 VAC ir				
Kone	Mac	104 or 105D Interface board		믝	Kone		ac	104 or 105				
Kone	PMSSC	104 or 105D Interface board	-	4	Kone	PM:	SSC	104 or 105				
Otis	AT-400	240 VAC / 120 VAC Interface Glide A (Discrete)			Otis	AT-	400	240 VAC / Glide A (Di		ntertace		
TKE	Dover HD-0	·			TKE	Dover	HD-03	Requires I		300TX2 (1	110 VAC)	
TKE	Dover HD-7	3 Type D/IVO			TKE	Dover	HD-73	Type D/IV0)			
TKE	Dover HD-9	1 DC Motor			TKE	Dover	HD-91	DC Motor				
TKE	HDLM	Requires UIT_I/O Card			TKE	HD	LM	Requires U	JIT_I/O Ca	ard		
Fermator	VVVF5	Linear Door Operator			Fermator	VV	VF5	Linear Doo	r Operato	r		
Peelle	Wireless	*Input Freight/Deer Information at			Peelle	Wire	eless	*Input Eroi	aht/Door I	nformation	n ot	
Courion	ILearn	*Input Freight/Door Information at bottom			Courion	ILe	arn	*Input Freighout bottom	giil/Dooi i	IIIOIIIIauoi	ıaı	
EMS					EMS							
Other		*Input Other Door Information at bottom			Other			*Input Other	r Door Info	ormation a	t bottom	
Door Prote	ection				Door Pro		l					
Photo Eye/Ligh Curtain (Defau		Mechanical Safety Edge Door Hold Button	Photo Eye/Light Mechanical Safety Edge Door Hold Button Curtain (Default)								old Button	
Cam			Cam									
Mechanical	☐ DC	AC (3-Phase) AC (Single Phase)	Mechanical							gle Phase)		
Volts	Amps		Volts Amps									
Gate Rele	ase		Gate Release									
DC AC	(3-Phase)	AC (Single Phase) Volts Amps	☐ DC ☐ AC (3-Phase) ☐ AC (Single Phase) Volts Amps									
Other Door Inf	ormation			(Other Door Inf	ormatio	n					
					<u> </u>		•					
_			L									
*Freight/Other D	oor Operation	n Information		No	tes and Specia	al Instru	ctions:					
Manufacturer												
Model												
Reference #'s												
Job Prints from [Door Manufac	turer are Required										

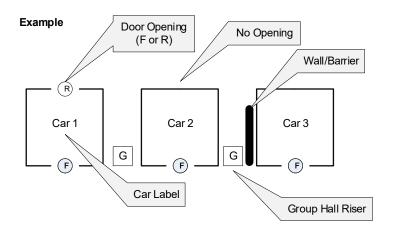
Check this	box it	more tha	n 24 landin	gs (conti	nued or	n page	9 for la	ndings	25 - 64)			-,					
Floor Information (1-24)					Floor O	pening	s		Car Ca	all Secu	rity	H	Hall Cal	Hosp			
	Floor	Floor Label erhead	Floor Height	Car 1	Car 2	Car 3	Car 4	Car				Car 1	Car 2	Car 3	Car 4		
		ault 13ft		FR	FR	FR	FR	FF	R F F	FR	F R	F R	FR	FR	FR	FR	
	24																
	23																
	22																
	21																
	20																
	19																
	18																
	17																
	16																
	15																
	14																
	13								1								
	12																
	10																
We will default to	9																
the lobby landing and the landing	8																
above for main and alternate fire	7		_														
floor respectively	6																
	5																
	4																
	3								100								
	2																
	1																
	Default PI Labels	Pit -> (Default 4 th)			P	Pit			•	Pit				Pit		Pit	
					ll cars s				ll cars s	same as	Car 1	☐ All	cars sa	ame as	Car 1		
					ll walk-t Il front	_	l		ll walk- Il front	through			walk-th front				
	I	Main Fire/Lo	obby Floor		nber of				mber of				ber of f	_			
		Alt Fire Floo EMT/Flood F									R. select	boxes a					
	'	_W17/1 1000 1	1001	 	noludo	Hall No	etwork (^^T5 n									
				Contr	oller (M	IR) to F	all Net	work (H	oistwaye) CAT5	Cable Le	ength [25 ft	(Defaul	t) 🗆	50 ft □	100 ft
	Hoistw																
Car 1	eight (ft))			□ Walkth	nrough Or	alv: Ton										
Car 2		$\overline{}$		F R	Location		tway Up/[n Switch	Car #s	Ги.	ietwe:	Conside	ration				
Car 3											istway (Conside	ration				
Car 4				F R	Walkth Location		nly: Botton tway Up/[Car #s		Cor	ner Pos	t Rails				
☐ All cars sai	me as (Car 1		F R													
Notes and Spec	cial Inst	ructions:		-													
									7	Ov	erlay wi	th Exist	ing Eq	uipmer	nt		
											 _	s Regist					
										_		_		-	ortrice '	incor wat	o et v=··
												noose one tails about t				ineer will conta s.	act you
										'	mportant:	Provide Ph	ıysical La	yout on 1	11		

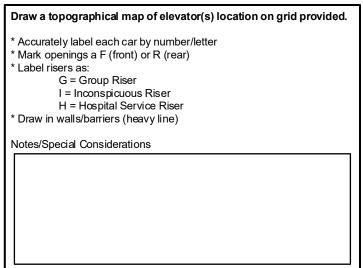
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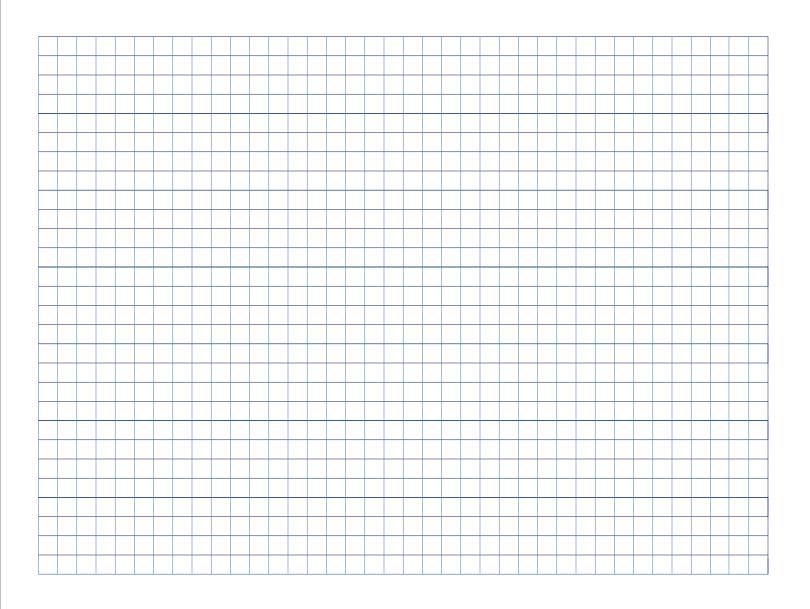
Landings and Openings (25-64) Check this box if more than 64 landings (continued on page 10 for landings 65-96) Continued from page 8 Floor Information (25-64) Floor Openings Car Call Security Hall Call Security Hosp Floor Car 1 Car 2 Car 3 Car 4 Car 2 Car 3 Car 4 Car 2 Car 3 Label Heiaht Overhe ad F R F R F R F R F F R F R R F R F R F R F R 64 63 62 61 60 59 ПΠ 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38

Continued from page 9

Floor Information (65-96)	F	loor O	penings	s	C	ar Call	Securi	ty	l F	Hosp			
Floor Floor Index 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		FR	F R	F R	FR	F R	F R	F R	F R	F R	FR	FR	F R	F R
96		пп			ПП				ПП					
95														
94														
						H=-								\vdash
93														
92			ШШ		ШШ		ШШ				ШШ			
91														
90														
89														
88														
87														
86		ПП	ПП	ПП	ПП		ПП	ПП	ПП		ПП		ПП	
85														
84														
	-					l 								\vdash
83														
82										╟╩╩				
81						╟╩╩				╟╩╩				
80														
79														
78	———[[
77														
76														
75														
74														
73														
l						$\vdash =$								
72										╟┼┼				
71						╟╧╧				╟╧╧				
70														
69														
68														
67														
66	—— [
65														
Enter height between landings 64 and 65→					1	[<u> </u>		L		[<u> </u>	I	ı — — İ		







- * Complete only if purchasing a motor from Smartrise
 * All other motor data must have been provided on page 4

Existing Machine Information	Exiting Motor Information
Machine Brand Model Style	Manufacturer: Frame Size/Style: Foot Mount Flange Mount
Counter Weight Percentage:	HP Volts RPM
New Motor Information	Car Speed
Volts Bncoder Cable Length 30 Ft 40 Ft 50 Ft 50 Ft 5traight Shaft Other Ft	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	BTB CF BC BTB