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# **C4 TRACTION AC**

Engineering Data Form – Page 1

Rev 14.0 270324

### 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	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, and submitted electronically using Adobe Reader.

Job Details									
Job Name:		Market Segment: Financial							
PO#:		Federal Health Care Residential							
Job Location (C	City & State):	Education Hospitality Other							
Purchasers Infe	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 Name: Phone: Cell: Email:	Contact Information: (If different than above)          Fax:         Date Filled Out	Job Site Address: (Address Where Controller(s) Will Be Installer         Street:         City:         State:         Zip Code:	d)						
	er/Manager Information	FULL ELEVATOR SYSTEMS							
Name:		Should you have a need for complete or partial elevator system	15,						
Phone:		contact Smartrise Sales for more information.							
Email: Street:		Smartrise Packager Partners							
City: State:		* Alliance * AVT Beckett * Delaware Elevator Manufacturng * Dura-Vator * EECO * EV Elevator International (EEVI) * Lift Solutions * MEI * Phoenix Modular * SEES - Southern Elevator & Electrial							
Zip Code:		Supply * Trumph Electric*							

# Shipping and Pre-Wire

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Shipping Information	
Contact Name:       Phone:         Phone:	
Freight Terms         Use Smartrise Carrier:       Yes       No         Will Call         Pre-paid         Ship to Name/Company:         Shipping Address:	Customer's Carrier Name: Carrier's Account Number: Collect Third-Party Third-Party Billing (Duties & Taxes) Bill To Address: Bill To Address:
Shipping Schedule	
Controller(s)       Desired Ship Date from Smathematical	artrise Controller(s) Desired Ship Date from Smartrise
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	
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)         vac       L1 to GND         vac       L2 to GND         vac       L3 to GND	Group # Cars in Group # of Hall Risers/Group Swing Riser, Car #
Single Phase Hz (Main Line is 60Hz unless otherwise stated)	Selective Collective (2 buttons/floor, multiple calls) (Default) Non-Selective Collective (1 button/floor, multiple calls)
Main Line Transformer (If Customer Requires)         Provided by Smartrise(Aluminum Isolation Transformers are standard)         Provided By Customer (Customer to provide drawing)	Non-Selective Non-collective (1 button/floor, 1 call at a time)         Other:
Secondary Voltage	Smart Dispatching         Lobby Boost (Lobby Only)    Full (All Floors)
Data Plate Copy Included	Total # of Screens
Environmental Considerations Not Required	Build to Job Specifications 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	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)         Aske 17.1 Elevator Safety Code Compliance         2019         Additional Local Code         2016
Car Operating Panel         Single Panel (Default)         Dual Panels         Remote COP (Discrete in M/R)         Notes and Special Instructions	2013       2010       2007       2004       2000         NYC (Appendix K)       Detroit       Massachusetts       000         Florida
	Connection Package (Run Box) SmartConnect Package – Recommended (Pre-Wired Car Top Inspection Box included)

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

														Re	/ 14.0 270324
Trac	ction Features ( 🗌 F	eatures for all car	s is the	same as	car 1)	Failure	to provide	e data v	will result in	delay o	f controller	shipment	t		
Car	Contract Speed	Capacity		Motor ovided By		coder P	Provided E	Зу	Customer Supplied	Regen Kit	Batte	ry Rescue		Gov Re	set Coil Is Is 120 VAC
1				Smartrise		artrise*	No	ne	Encoder Info Make		Auto Res	scue Operatio			
				Customer			iclude info in		IVIANC			Brake Releas			
2				Smartrise Customer		artrise*	No 🗌 No					scue Operatio Brake Releas			
				Cuctomor				10003)			Not Requ		-		
3				Smartrise Customer		artrise* stomer (In	No Include info in		Model			scue Operatio Brake Releas uired			
4				Smartrise Customer		artrise* stomer (In	No Include info in					scue Operatio Brake Releas uired			
					*Excep	ot encode	rs and cable	s for PM							
Mot	or/Encoder Data (	Data for all cars	are the s	same as	car 1) F	ailure f	to provide	e data v	vill result in o	delay of	controller	shipment			
Car	Machine Brar	nd/Model	Motor Volts	FLA	HP	RPM	Motor Freq.	# of Poles	PM Accel Volts	* Rope Ratio	<sup>★</sup> Sheave Dia.	★ Gear Ratio	Encod PPR	Enc C Lengt	
1															
2															
3															
4															
Mot	or Data for IM & PM I		for all c	ars are t	he same	e as ca	r 1) Failu	re to pr	ovide data v	vill resu	lt in delay	of controll	er ship	ment	
Car		Motor Typ					Machine Ty		MRL Loca	1	Mount	Peak Ar		Sine/Cosin	e encoder
1	Induction Motor	Single Speed M		ault) 🗌 Di	ual Speed	Motor [	Geared			erhead	Foot		i	nterface (ł	(EB Only)
	Permanent Magnet Moto					]		;		sement	Flange	-		L	
2	Induction Motor Permanent Magnet Motor	Single Speed N	viotor (Deta		uai Speed		Geared Gearless	;		erhead sement	Foot				
3	Induction Motor Permanent Magnet Moto	Single Speed N	Motor (Defa	ault) 🗌 Di	ual Speed	Motor	Geared Gearless	;		erhead sement	Foot Flange				
4	Induction Motor Permanent Magnet Motor	Single Speed N	Motor (Defa	ault) 🗌 Di	ual Speed	Motor	Geared Gearless	;		erhead sement	Foot Flange				
Brak	e Data ( Data for	all cars are the sa	ame as o	car 1) <mark>Fa</mark>	ilure to	provide	e data will	result i	in delay of c	ontrolle	r shipment				
Car	DC	Pick Volts Ho	ld Volts	Coil	Coil				nergency (2 <sup>n</sup>				-		Brake Data
		(DC or AC) (DC	C Only) R	esistance	Amperage	_	20 VAC Hollis		ney Rope Grippe		Independent		Pick VDC	Hold VDC	Coil Ω Coil Amp
1	DC (Default)						raka Rope B orin Sheave				DC Brake on RBK20				
2						12	20 VAC Hollis	ster-Whitn	ney Rope Grippe		Independent				
	DC (Default)						raka Rope B orin Sheave				DC Brake on RBK20	Motor			
3	DC (Default)		T				20 VAC Hollis raka Rope B		ney Rope Grippe	er 🗌	Independent DC Brake on				
							orin Sheave	Brake			RBK20				
4	DC (Default)					Dr	20 VAC Hollis raka Rope B orin Sheave	rake	ney Rope Grippe	* []	Independent DC Brake on RBK20				
		I I				Holli	ister-Whit	ney Ro	pe Gripper i	if NOT	120 VAC.	Specify Vo	oltage:		
Moto	r Control Preference	1				Filte	ers					-	-		
_	K.E.B K.E.B. drives	require this data	to be pr	ovided			_ <b></b> _	<b></b>	!						
	Magnetek						EMI/RFI F								
	First Available Drive (N Magnetek Quattro AC	Not Quatro)					Harmonic								

Magnetek Quattro AC

We will notify you if the preference chosen cannot be honored

Notes and Special Instructions

## **Features and Functions**

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Special Features Not Required	Car Call Security (Specify floors on page 8) Not Required
Remote (2 <sup>nd</sup> ) Fire Key Switch & Lamp       Shunt-Trip         Earthquake       Flood Sensor         (Includes Buzzer and Lamp)       'S' Button         Car-to-Lobby Key Switch       'S' Button         Fan and Light Auto Shutoff Circuit       Machine Room Cabinet Light         Machine Room Cabinet Power Plug       Enclosure Lege         Reduced Stroke Buffer (Ontario Only)       Inching Operation         2nd Final Limit (MRL Only)       Shunt-Trip	Provide a Car Call Security Override Input
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	Hall Call Security Not Required
Patient Security	Provide Enable/Disable all Hall Calls Input (Simplex)
Attendant Service     Not Required       Attendant Service (Is NOT Independent Service)	
In Car Buzzer In Car Lamp	Controller Monitoring System Not Required
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:	Designed and Manufactured by Smartrise Engineering     Machine Room Monitoring     Local Monitoring (Lobby/Engineering/ Management)
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 (Provide details below) Number of cars the generator can operate simultaneously (Default value is 1 car)	<ul> <li>Remote Monitoring (Cloud) – Requires Internet Connection</li> <li>Designed and Manufactured by Integrated Display Systems</li> <li>Lift-Net with USB RS-422 Interface (Serial)</li> <li>Lift-Net with Moxa Unit Interface (Ethernet / LAN)</li> <li>Designed and Manufactured by Kings III of America</li> <li>ORM (Interface Only)</li> </ul>
Generator powers other Simplex/Groups Emergency Power Lamp	BACnet

Traveler and Hoistway Cable (P	urchase from Smartrise)	
Draka: 🗌 By Draka 🗌 By SEES 🛛 James Monro	e: 🔲 Triumph Electric NY 📋 CED	Not Required
C4 Traveler Cable #1       C4 Traveler Cable #2       Tr         CUSTOM LABLELING       Yes       Yes       Tr         # OF CONDUCTORS       19       31       CORE       Steel       Steel       DIAMETER       0.90"       1.36"         # OF 14 AWG       4       4       4       4       4       4       4         # OF 18 AWG       7       114       EXPRCY       6 Pair       COAXIAL (RC/6U)       No       1       1         APPROVALS/BOTH       UL Type ETT> NEC Compliant, CSA Type ETT, CSA FT1       CSA Type ETT, CSA FT1       1	No     Car 1       69     Car 2       1.570'     Car 3       5     Car 4       11 Pair     Car 5       2     Car 6	C4 Hoistway Cable Yes 26 N/A 0.55" 26 0 0 0 No
All Fixtures Must Be 24 VDC / 6		
In Car Position Indicator Not Requir	ed In Hall Position Indicator	Not Required
CE Micro Com (Default)       Discrete Signals (One line per         MWSF: Hands Free       Discrete Signals (Binary)         VIDATECH (CAN)       MAD (CAN)         Other:		e Signals (One line per floor e Signals (Binary) MAD (CAN) MWSF: Hands Free
In Car Arrival Lantern Not Requir		Not Required
CE Micro Com (Default) Discrete Signals MAD (CAN) Bulb/Chime wattage (If discrete): Other:		CE Micro Com Lanterns (Type: SA130M Req.
In Car Passing Chime Not Requir		
CE Micro Com (Default) Discrete Signals Bulb/Chime wattage (If discrete):		
In Car Voice Annunciator Not Requir	Lobby Panel	Not Required
CE Micro Com Interface Only Other:	On Independent Svc. Lamp	In Use Lamp In Service Lamp
Load Weighing Not Require	Other Requirements	]
Load Weigher Provided By          Smartise       Customer       Overload Lamp         Anti-Nuisance         # Ropes       Rope Diameter       1:1 Roping         2:1 Roping         Cross Head Senso		

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Type       All       Car1       Car2       Car3       Car4         Type       All       Car1       Car2       Car3       Car3 <t< th=""><th></th><th>Door</th><th>Use this do</th><th>oor for all cars or specify which cars use it</th><th></th><th></th><th>Door</th><th></th><th>Use this</th><th>door for all cars of</th><th>or specify whi</th><th>ch cars use it</th><th></th></t<>		Door	Use this do	oor for all cars or specify which cars use it			Door		Use this	door for all cars of	or specify whi	ch cars use it	
Image: Website (Default)       Image: Manuel (Default) </th <th colspan="2">Type All</th> <th></th> <th></th> <th></th> <th></th> <th>Туре</th> <th>Ī</th> <th></th> <th></th> <th></th> <th></th> <th>Car 4</th>	Type All						Туре	Ī					Car 4
Abell       ATS 0090       Field *E2'         Permator       VV/F5       Linear Door Operator         GAL       MODCTL       24 VDC Interface Relays         GAL       MOD       L, G, or X         GAL       MOD       L, G, or X         GAL       MOVFR       230 VAC Input Voltage         Kone       Mac       104 or 105D Interface Board         Kone       Permator       Kone         Otis       Gilde A       Discrete Only         Otis       Gilde A       Discrete Only         Otis       AT-400       Power Supply by SRE (Discrete)         TKE       Dover HD-31       Type DIVO         TKE       Dover HD-31       Models         TKE       Dover HD-31       Model         Other       'Input Freight/Door Information at         Peelle       Other       'Input At (any Clany Clany Clany Clany Clany Clany Clany Clany Clany Clan	Ca	Auto Passeng Ar Door Type Auto Passeng	er (Default)		)		Auto Passeng				Powered	Freight (See	* below)
Permator       VVVF5       Linear Door Operator         GAL       MODCTL       24 VDC Interface Relays         GAL       MODL       L, G, or X         GAL       MOVFR       230 VAC input Voltage         Kone       Mac       104 or 105D Interface Board         Kone       Mac       104 or 105D Interface Board         Otis       GIda A       Discreta Only         Otis       GIda A       230 VAC input Voltage         Kone       Mac       104 or 105D Interface Board         Otis       GIda A       Discreta Only         Otis       AT-400       Power Supply by SRE (Discrete)         TKE       Dover HD-33       Type DIVO         TKE       Dover HD-37       Type DIVO         TKE       Dover HD-37       Type DIVO         TKE       Dover HD-491       CMotor         TKE       Dover HD-491       CMotor         TKE       Dover HD-491       CMotor         Door Protection       "Input Freight/Door Information at Bottorn         Peelle       Input Other Door Information at Bottorn         Courion       Bottorn       Courion         Mocharical Safey Edge       Door Hole Buten         Other Coor Information       <	Se	lect Door Op	erator			S	elect Door Op	perator					
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       Mac       104 or 105D Interface Board         Otis       Glide A       Discrete Only         Otis       Glide A       Discrete Only         Otis       Glide A       Discrete Only         Otis       Otis       Glide A       Discrete Only         Otis       Otis       Glide A       Discrete Only         TKE       Dover HD-73       Type DIVO       TKE       Dover HD-30 Only M Models         TKE       Dover HD-30 Donly M Models       TKE       Dover HD-30 Only M Models         Vittur       MiniSupra, SQV 120 VAC 12/0 Card       Wittur       MiniSupra, SQV 120 VAC 12/0 Card         Wittur       MiniSupra, SQV 120 VAC 12/0 VAC       Card       Wittur       MiniSupra, SQV 120 VAC 12/0 Card         Other       'Input Freight/Door Information at Botorn       Courain (Bridge)       Ocor Holde Sine		Abell	ATS 0090	Field "EZ"			Abell	ATS 0	090	Field "EZ"			
GAL       MOD       L. G, or X         GAL       MOVFR       230 VAC Input Voltage         Kone       Mac       104 or 105D Interface Board         Kone       Mac       104 or 105D Interface Board         Colis       Gilde A       Discrete Only         Otis       Gilde A       Discrete Only         Otis       AT-400       Power Supply by SRE (Discrete)         TKE       Dover HD-03       Only M Models         TKE       Dover HD-03       Only M Models         TKE       Dover HD-04       Only M Models         TKE       Dover HD-05 Donly UN       TKE         Dover HD-05 Donly D Models       TKE       Dover HD-04         Wittur       Mm/Supra, SQV (120 VAC / 230 VAC       EMS         EMS       ''Input Freight/Door Information at Bottom       Bottom         Poelle       'Input Other Door Information at Bottom       Door Protection         Phate Evelugit       Mechanical Seriey Edge       Door Hold Buton         Cam       Mechanical Seriey Edge       Door Hold Buton         Cam       Mechanical Seriey Edge       Door Hold Buton         Cam       Mechanical Seriey Edge       Oor Hold Shuten         Other Door Information       Oolse Ac (3-Phase) <t< td=""><td></td><td>Fermator</td><td>VVVF5</td><td>Linear Door Operator</td><td></td><td></td><td>Fermator</td><td>VVVI</td><td>F5</td><td>Linear Door</td><td>Operator</td><td></td><td></td></t<>		Fermator	VVVF5	Linear Door Operator			Fermator	VVVI	F5	Linear Door	Operator		
GAL       MOVFR       230 VAC Input Voltage         GAL       MOVFR       230 VAC Input Voltage         Kone       Mac       104 or 105D Interface Board         Kone       PMSSC       104 or 105D Interface Board         Otis       Gilde A       Discrete Only         Otis       Gilde A       Discrete Only         Otis       AT-400       Power Suppt by SRE (Discrete)         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-74       Type DIVO         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-74       Type DIVO         Courion       Bottom       TKE       Dover HD-74         Other       'Input Freight/Door Information at Bottom       Courion       Bottom         Peelle       Other       'Input Freight/Door Information at Bottom       Doc         Other       'Input Freight/Door Information       Ac (Single Phase)       Ac (Single Phase) <td></td> <td>GAL</td> <td>MODCTL</td> <td>24 VDC Interface Relays</td> <td></td> <td></td> <td>GAL</td> <td>MODO</td> <td>CTL</td> <td>24 VDC Inte</td> <td>rface Rela</td> <td>ays</td> <td></td>		GAL	MODCTL	24 VDC Interface Relays			GAL	MODO	CTL	24 VDC Inte	rface Rela	ays	
Kone       Mac       104 or 105D Interface Board         Kone       PMSSC       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 BD-30       Only M Models       Otis       AT-400         TKE       Dover HD-73       Type DIVO       TKE       Dover HD-73         TKE       Dover HD-73       Type DIVO       TKE       Dover HD-73         TKE       Dover HD-73       Type DIVO       TKE       Dover HD-73         Wittur       Mini/Supra, SGV 120 VAC / 230 VAC       EMS       "Input Freight/Door Information at Bottom         Peelle       'Input Freight/Door Information at Bottom       EMS       "Input Freight/Door Information at Bottom         Door Protection       'Input Freight/Door Information at Bottom       Door Protection       Previs Eveluation       Mechanical Sitery Edge       Door Hold Buton         Cam       Other       Input Freight/Other Door Information       AC (Single Phace)       AC (Single Phace)       AC (Single Phace)         Weits       Arge       Other Door Information       Courian (Default)       Mechanical Sitery Edge       Door Hold Buton <t< td=""><td></td><td>GAL</td><td>MOD</td><td>L, G, or X</td><td></td><td></td><td>GAL</td><td>MO</td><td>D</td><td>L, G, or X</td><td></td><td></td><td></td></t<>		GAL	MOD	L, G, or X			GAL	MO	D	L, G, or X			
Kone       PMSSC       104 or 105D Interface Board         Otis       Gilde A       Discrete Only         Otis       Gilde A       Discrete Only         Otis       AT-400       240 VAC / 120 VAC Interface         Power Supply by SRE (Discrete)       Otis       AT-400         TKE       Dover HD-73       Type DI/VO         Courion       Bottom       TKE         Other       'Input Freight/Door Information at Bottom         Peelle       'Input Freight/Door Information at Bottom         Other       Input Other Door Information at Bottom         Other       Input Other Door Information at Bottom         Other       Acree       Acree         Volta       Arree         Gate Release       Oc Ac (3-thmae)       Ac (Single Phase)         Other Door Information       Mechanical Strety Edge       Door Information         Threight/Other Door Operation Information       Anted       Other Door Information		GAL	MOVFR	230 VAC Input Voltage			GAL	MOV	FR	230 VAC In	out Voltag	je	
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 DIVO       TKE       Dover HD-73       Type DIVO         TKE       Dover HD-73       Type DIVO       TKE       Dover HD-74       DC Motor         TKE       Dover HD-74       DC Motor       TKE       Dover HD-74       DC Motor         TKE       Dover HD-74       DC Motor       TKE       Dover HD-74       DC Motor         TKE       Dover HD-74       DC Motor       TKE       Dover HD-74       DC Motor         TKE       Dover HD-74       DC Motor       TKE       Dover HD-74       DC Card         Withur       Mini/Supra, SGV 120 VAC / 230 VAC       TKE       Dover HD-74       DC Card         Other       'Input Freight/Door Information at Botton       TKE       Door Protection       'Input Freight/Door Information at Botton         Door Protection       Proto EyeLight       Mechanical Strey Edge       Door Hold Buton       'Proto EyeLight       Mechanical Strey Edge       Dor Hold Buton         Gate Release       Oc (AC (3Phase))       AC (Single Phase)       AC (Single Phase)		Kone	Mac	104 or 105D Interface Board			Kone	Ma	с	104 or 105D	Interface	Board	
Otis       AT-400       240 VAC / 120 VAC Interface         Otis       AT-400       Power Supply by SRE (Discrete)         TKE       Dover HD-30       Only M Models         TKE       Dover HD-73       Type DiVO         TKE       Dover HD-73       Type DiVO         TKE       Dover HD-74       Type DiVO         TKE       Dover HD-73       Type DiVO         TKE       Dover HD-74       Type DiVO         TKE       HDLM       Requires UIT_/O Card         Wittur       Min/Supra, SGV 120 VAC / 230 VAC       EMS         Type I precision       Input Freight/Door Information at Bottor       Door Protection         Door Protection       Precision       Ac (Single Phase)       Ac (Single Phase) <td></td> <td>Kone</td> <td>PMSSC</td> <td>104 or 105D Interface Board</td> <td></td> <td></td> <td>Kone</td> <td>PMS</td> <td>SC</td> <td>104 or 105D</td> <td>Interface</td> <td>Board</td> <td></td>		Kone	PMSSC	104 or 105D Interface Board			Kone	PMS	SC	104 or 105D	Interface	Board	
Ots       AT-400       Power Supply by SRE (Discrete)         TKE       Dover HD-03       Only M Models         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-74       Type DIVO         TKE       Dover HD-73       Type DIVO         TKE       Dover HD-74       DC Motor         TKE       HDLM       Requires UIT_I/O Card         Wittur       Mini/Supra, SCV       120 VAC / 230 VAC         EMS       'Input Freight/Door Information at Bottom       TKE         Peelle       'Input Freight/Door Information at Bottom       'Input Other Door Information at Bottom         Door Protection       'Input Other Door Information at Bottom       Door Protection         Proto Evelugit       Mechanical Safety Edge       Door Hold Buton         Carm       Mechanical Safety Edge       Door Hold Buton         Volts       Amps       Carm       Mechanical Safety Edge       Door Hold Buton         Volts       Amps       Gate Release       Volts       Amps         Other Door Information       Mechanical Safety Edge       Door Information       Other Door Information         Volt		Otis	Glide A	Discrete Only			Otis	Glide	A	Discrete On	ly		
TKE       Dover HD-73       Type DIVO         TKE       Dover HD-91       DC Motor         TKE       HDLM       Requires UT_I/O Card         Wittur       Mini/Supra, SGV       120 VAC / 230 VAC         EMS       "Input Freight/Door Information at Bottom       "Input Freight/Door Information at Bottom         Peelle       "Input Other Door Information at Bottom       "Input Other Door Information at Bottom         Door Protection       Photo EyeLight Currain (Default)       Mechanical Safety Edge       Door Hold Buton         Cam       Mechanical Safety Edge       Door Hold Buton       Cam         Mechanical       DC       AC (3-Phase)       AC (Single Phase)         Other Door Information       Amps       Gate Release       Voits       Amps         Other Door Information       Mechanical       DC       AC (Single Phase)       AC (Single Phase)         Other Door Information       Mechanical       DC       AC (Single Phase)       Ac (Single Phase)         Other Door Information       Model       Model       Model       Model       Amps		Otis	AT-400				Otis	AT-4	00				
TKE       Dover HD-91       DC Motor         TKE       HDLM       Requires UIT_//O Card         Wittur       Mini/Supra, SGV       120 VAC / 230 VAC         EMS       "Input Freight/Door Information at Bottom       "Input Freight/Door Information at Bottom         Peelle       "Input Other Door Information at Bottom       "Input Other Door Information at Bottom         Door Protection       "Input Other Door Information at Bottom       Door Protection         Probib EystLight Currain (Default)       Mechanical Safety Edge       Door Hold Buton         Cam       Mechanical Safety Edge       Door Hold Buton         Cam       Cam       Mechanical Safety Edge       Door Hold Buton         Cam       Cam       Mechanical Safety Edge       Door Hold Buton         Cher Door Information       AC (Single Phase)       AC (Single Phase)       AC (Single Phase)         Other Door Information       Mechanical       DC AC (3-Phase)       AC (Single Phase)       Amps         Other Door Information       Mechanical       DC AC (Single Phase)       AC (Single Phase)       At (Single Phase)         Cher Door Information       Mechanical       DC AC (Single Phase)       At (Single Phase)       At (Single Phase)         Other Door Information       Mechanical Information       Mechanical Information<		TKE	Dover HD-03	Only M Models			TKE	Dover H	ID-03	Only M Mod	lels		
TKE       HDLM       Requires UIT_I/O Card         Wittur       Min/Supra, SGV       120 VAC / 230 VAC         EMS       'Input Freight/Door Information at Bottom       'Input Freight/Door Information at Bottom         Peelle       'Input Other Door Information at Bottom       'Input Other Door Information at Bottom         Door Protection       'Input Other Door Information at Bottom       Door Protection         Pool Evelught       Mechanical Safety Edge       Door Hold Buton         Caran       Caran       Caran         Mechanical       DC       AC (Single Phase)       AC (Single Phase)         Other Door Information       AC (Single Phase)       Arrps         Other Door Operation Information       Volts       Arrps         Other Door Operation Information       Notes and Special Instructions:		TKE	Dover HD-73	Type D/IVO			TKE	Dover H	ID-73	Type D/IVO			
Wittur       Mini/Supra, SGV       120 VAC / 230 VAC         EMS       "Input Freight/Door Information at Bottom       Wittur       Mini/Supra, SGV       120 VAC / 230 VAC         EMS       "Input Freight/Door Information at Bottom       "Input Freight/Door Information at Bottom       "Input Freight/Door Information at Bottom         Other       Input Other Door Information at Bottom       Other       "Input Other Door Information at Bottom         Door Protection       Photo Eye/Light Curtain (Default)       Mechanical Sef ety Edge       Door Hold Buton         Cam       Cam       Other       AC (3-Phase)       AC (Single Phase)         Volts       Amps       Mechanical Sef ety Edge       Door Hold Buton         Cam       Other AC (3-Phase)       AC (Single Phase)       AC (Single Phase)         Volts       Amps       Mechanical Sef ety Edge       Door Hold Buton         Cher Door Information       Cam       Cam       AC (Single Phase)         Other Door Information       AC (Single Phase)       AC (Single Phase)       AC (Single Phase)         Other Door Information       Notes and Special Instructions:       Amps		TKE	Dover HD-91	DC Motor			TKE	Dover H	ID-91	DC Motor			
EMS       *Input Freight/Door Information at Bottom         Peelle       *Input Streight/Door Information at Bottom         Other       *Input Other Door Information at Bottom         Door Protection       Peelle         Photo Eye/Light Curtain (Default)       Mechanical Safety Edge       Door Hold Buton         Cam       Door Protection         Mechanical       DC       AC (Single Phase)         Volts       Amps         Other Door Information       Mechanical Safety Edge       Door Hold Buton         Cam       Cam       Cam         Volts       Amps       Cate Release       Cotics (Single Phase)         Other Door Information       Act (Single Phase)       Act (Single Phase)       Volts         *Freight/Other Door Operation Information       Notes and Special Instructions:       Metancials:		TKE	HDLM	Requires UIT_I/O Card			TKE	HDL	.M	Requires UI	T_I/O Car	d	
Courion "Input Freight/Door Information at Bottom   Peelle Peelle   Other "Input Other Door Information at Bottom   Door Protection Phote EyelLight   Phote EyelLight Mechanical Safety Edge   Carm Obor Protection   Phote EyelLight Mechanical Safety Edge   Other AC (3-Phase)   AC (Single Phase) AC (Single Phase)   Volts Amps   Other Door Information Volts   Other Coor Information Other		Wittur	Mini/Supra, SGV	120 VAC / 230 VAC			Wittur	Mini/Supr	a, SGV	120 VAC / 2	230 VAC		
Collion Bottom   Peelle Peelle   Other 'Input Other Door Information at Bottom   Door Protection Other   Photo Eyellight Mechanical Safety Edge   Carm Obor Protection   Manufacturer Mechanical		EMS		*Innut Freight/Deer Information at			EMS			*luoneut Encie			
Other *Freight/Other Door Operation Information		Courion					Courion				jni/Door li	niormatior	1 al
Door Protection   Photo EyelLight   Cam   Mechanical Safety Edge   Door Hold Buton   Cam   Mechanical   DC   AC (3-Phase)   AC (Single Phase)   Volts   Amps   Other Door Information   *Freight/Other Door Operation Information   Manufacturer   Model		Peelle					Peelle						
Photo EyerLight		Other		*Input Other Door Information at Bo	ottom		Other			*Input Other	Door Infoi	rmation at	Bottom
Manufacturer Model		Photo Eye/Ligi Curtain (Defau Cam Mechanical Volts Gate Rele DC AC	ht M DC Amps case	AC (3-Phase) AC (Single Pl	nase)		Photo Eye/Lig Curtain (Defau Cam Mechanical Volts Gate Relea	ht ilt) Amp ase C (3-Phase)	DC SS AC	AC (3-Phas	e) [	AC (Singl	e Phase)
		anufacturer	oor Operation I	nformation			otes and Spec	cial Instruc	ctions:				
	Re	eference #'s				I							

Job Prints from Door Manufacturer are Required

## Landings and Openings

Floor	Floor Openings Car Call						I Security Hall Call Security					Hosp				
	Floor	Floor	Floor	Car 1		Car 3		Car 1	Car 2	Car 3	Car 4	Car 1	Car 2			
Ve will default to he lobby landing nd the landing bove for main nd alternate fire cor respectively	Informatio           Floor Index         Overhundle           Overhundle         24           23         22           21         20           19         18           17         16           15         14           13         12           11         10           9         8           7         6           5         5	Floor Label ead	Floor Height	l			S         Car 4         F         R         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		Car 2		-		Car 2	2 Car3	3 Car4	
	4 3 2 1 Default Pliabels (	Pit -> Default 4 <sup>m</sup> )		□ All □ All	l cars s l wa <b>l</b> k-t l front	it ame as			I cars sa I walk-th I front	rough	Car 1		I cars s	Pit same a	s Car 1	Pit
		n Fire/Lobby Fire Floor	/ Floor	Num	nber of	floors		Nun	nber of f				nber of	floors		
	EM1	T/Flood Floo	or						lf mb	ced F/R	k, select	boxes a	above			
	l Hoistway eight (ft)	/		F R	<mark>oller (M</mark> ע Walkth	I <mark>R) to H</mark> nrough Or		vork (Ĥc	oistway)	CAT5 (	Cable Le	ength [	_ 25 f	t (Defai	ult) 🗌	50 ft
Car 2							way Up/D	I OWICH	0ai #5	Hoi	stway (	Conside	ration	1		
Car 3 Car 4	me as Car			F R			nly: Bottom stway Up/D		Car #s		Corr	ner Pos	st Rail	s		
Notes and Spec						_ ,,										
	uai mstruc	JUONS.							٦		erlay wi	th F vie	ting F	auinme	nt	
											-		-			
									1		Cros	s Regis	tration	System	n	

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

Important: Provide Physical Layout on 11

## Landings and Openings (25-64)

Continued from page 8 Check this box if more than 64 landings (continued on page 10 for landings 65-96)

Floor Information (25-64)		IS box if more than 64 landings				Car Call Security				Hall Call Security				Hosp	
Floor	Floor	Floor	Car1	Car 2	Car 3	Car4	Car 1	Car 2	Car 3	Car4	Car 1	Car 2	Car 3	Car4	
	Label erhead	Height	FR	F R	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR
Defa 64	ault 13ft														
63															
62															
61															
60															
59															
59															
57															
56															
55															
54															
53															
52															
51		-													
50															
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35															
34															
33															
32															
31															
30															
29															
28															
27															
26															
25															
Enter height between landings 24 and 25 →															
							1								

# Additional Landings and Openings (65-96)

### C4 TRACTION AC - Engineering Data Form – Page 10 Rev 14.0 270324

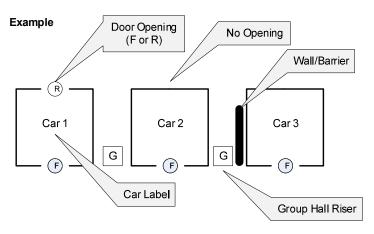
Continued from page 9

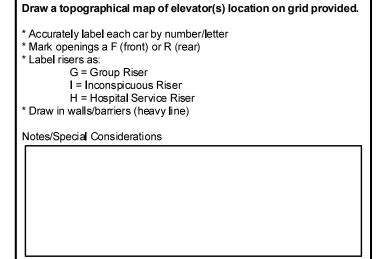
Floor Inform	Floor Openings				Car Call Security				Hall Call Security				Hosp	
Floor Index	Floor Floor Label Height	Car 1	Car 2	Car 3	Car 4	Car 1	Car 2	Car 3	Car 4	Car 1	Car 2	Car 3	Car 4	
Over Defau	head	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR
96														
95														
94														
93														
92														
91														
90														
89														
88														
87														
86		┨╠╧╝												╟╝╝
85		┨╠╧╣												╟╝╝
84		┨╠╧╬┥												╟╝╝
83														
82		┨┝╧╘┥												╟╝╝
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72														
71														
70														
69														
68														
67														
66														
65														
Enter height between landings (	64 and 65→													
		1												
		1												

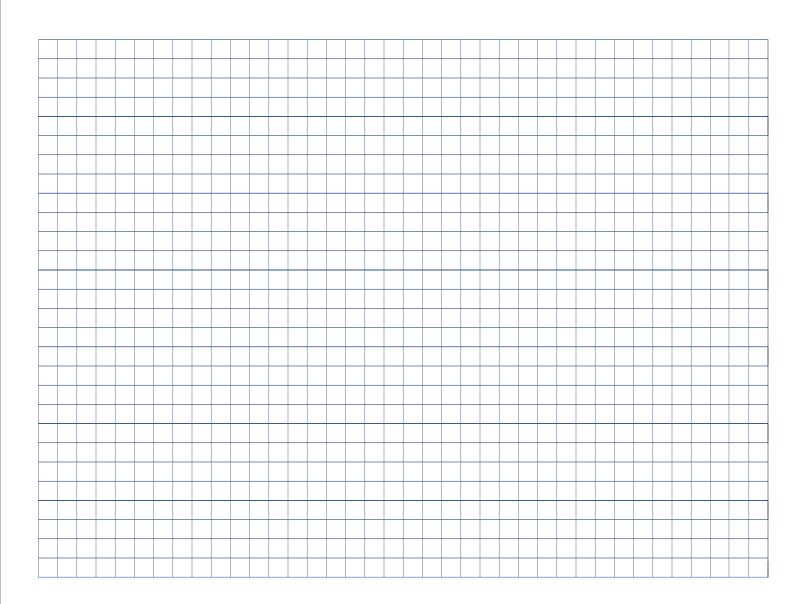
## Elevator(s) Physical Layout

### C4 TRACTION AC - Engineering Data Form - Page 11

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## **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	Exiting Motor Information
Machine Brand Model Style	Manufacturer:
Counter Weight Percentage:	HP Volts RPM
New Motor Information         Volts       Encoder Cable Length         RPM       30 Ft.         40 Ft.       50 Ft.	Car Speed Car Capacity Machine Location Overhead Basement
Straight Shaft       Other       Ft.         Tapered Shaft       Other       Ft.         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
Notes and Special Instructions	BTB CF