

TRACTION DC

Engineering Data Form - Page 1

60701

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.

	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, sa	ved, and submitted electronically using Adobe Reader.									
ob Details											
Job Name:		Market Segment: Financial									
PO #:		Federal Health Care Residential									
Job Location	(City & State)	Education Hospitality Other									
urchasers Ir	nformation: (If packager fill in End User Info on rig	ht) End User Information: (for packager use only)									
Name:		Name:									
Title:		Title:									
Company:		Company:									
Phone:	Fax:	Phone: Fax:									
Cell:		Cell:									
Email:	·	Email:									
	g Contact Information: (If different than above)										
	g Contact information. (if unferent than above)										
Engineering											
Engineering Name:	Fax:										
Engineering Name: Phone:	Fax:										
Engineering Name: Phone: Cell:	Fax:										
Engineering Name: Phone: Cell:	Fax:										
Engineering Name: Phone: Cell: Email:	Fax:										

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: Will Call Pre-paid Customer's Carrier Name: Carrier's Account Number: Collect Third Party Billing (Duties & Taxes)	
Ship to Name/Company: Bill To Address:	
Shipping 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.	m Smartrise
Additional Shipping Instructions	
	Required (
Pre-wire COP Boards: Yes No (default) Pre-wire Hall Boards: Yes No (default)	
Fixture Manufacturer Company Name:	
Innovation ECC Other Ship to Address: Monitor MAD PTL Otis RSL Car Calls	
☐ RSL Hall Calls Job Reference: Contact Person at Mfg.	

Electrical Main Line and Transformer Specification	Configuration
Main Line Specification: Main Line Volts (Transformer required if motor volts are 10% greater than main line)	Simplex # Cars
Three Phase (default)	Group # Cars in Group # of Hall Risers/Group
	Group Redundancy
Single Phase	Swing Riser, Car #
Hz (Main Line is 60Hz unless stated otherwise)	Selective Collective (2 buttons/floor, multiple calls)
Main Line Transformer (If Customer Requires)	Non-Selective Collective (1 button/floor, multiple calls)
Provided by Smartrise	Non-Selective Non-collective (1 button/floor, 1 call at a time)
Provided By Customer (custom to provide drawing)	
Secondary Voltage	Build to Job Specifications Not Required
kVA	We will review the spec and will provide a list of exceptions when necessary.
	Job needs to be built to meet Engineering Specifications in
Data Plate Copy Included	Document provided EXCEPT those listed below (Provide Page/Section & Description of exceptions)
Environmental Considerations Not Required	
Controller Cabinet Air-pressure cooled (add Vortex) (Customer to provide Air Compressor)	
(Customer to provide Air Compressor) Controller Cabinet Air conditioned cooled (add A/C Unit) Controller	
Controller Cabillet All Conditioned Cooled (add A/C offit) Controller	
Cabinet Forced Air cooled (add Fan and Filter)	
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)	
NEWATOR Landing System (in required, default NEWAT)	ASME 17.1 Elevator Safety Code Compliance
Connection Package	
-	2016 Additional Local Code
SmartConnect Package - Recommended (Pre-Wired Car Top Inspection Box Included)	2013
	2010
Car Operating Panel	2007
Cinale Devel (default)	NYC (Appendix K)
Single Panel (default) Other	2000 No Fire Service MASSACHUSETTS
Dual Panels Remote Panel	Controller Layout Preference
Notes and Special Instructions	
	Standard (MR, CT, and COP) (default)
	No Cartop
	□ No COP
	Custom:
	We will a sife our if the control of
	We will notify you if the preference chosen cannot be honored
1	

Tract	tion Feat	ures (Featur	res for	r all car	rs is the sa	ame as (۱ Fa	ailure to pro	ovide (data will r	resul	It in delay	of cont	roller st	nipment			
Car	Contract										To		er Supplied							
1	Орос	₽d	<u> </u>	_	☐ Sr	Smartrise (defa	ault)	None										+		der Into //ake
2		+		Customer (Include info in notes) Smartrise (default) None																
					$\vdash \equiv -$	Customer (Incl Smartrise (defa		notes) None										$+$ $\begin{bmatrix} 1 \\ 1 \end{bmatrix}$	M	lodel
3	<u> </u>					Customer (Incl	lude info in	notes))									4		
4					1 =	Smartrise (defa Customer (Incl		None notes)												
Additional Motor Data for DC Motors (Data for all cars is the same as car 1) Below values measured at what Car Speed:										$\overline{\top}$										
	Field Va	lues - F	ailure to	prov	/ide da	ita will res	sult in d	elay	of	controller	shipmo	ent	十	Ar	mature	Values	(at Contressult in delay of con	act S	Speed	(L
Car	Forcing Voltage	Full Spe Voltage			Ripple Filter	Coil Config.	Field Resistan	- 1		sistance Value equired From		istance Value iile Coil Is	'	Up at Contract Speed (VDC)	1	at Contract ed (VDC)	Up at Fu Capacity (a			wn at Full city (amps)
1						Series Parallel			=	Datasheet Measured		Cold Hot			T				_	
2						Series Parallel		[_	Datasheet Measured		Cold								
3						Series Parallel				Datasheet Measured	c	Cold	+		+					
4						Series Parallel				Datasheet Measured	c	Cold	+		+					
Moto	r/Encode	or Data	/ Dat	o for s	oll care		20.25.02	r 1) [Fail	lure to prov	ido da	to will ro	cult '	in dalay of	contro	aller shi	rmant	_	_	
Car	1		and/Mode		Motor	FLA	HP AS CAI	RPM	- 1	Machine		Location	_	Rope	Sheave	Gear	Encodr			Enc Shaft
1			1110,111	31	Volts	1 -	-	135	-	Geared		Over	rhead	Ratio	Dia.	Ratio	PPR	Le	ngth	Dia
2				$\overline{}$		+++			\dashv	Gearless		Over	rhead						\dashv	
	-			\rightarrow		++	+		\dashv	Gearles	<u>s</u>		ement rhead				-		_	
3	<u> </u>					1	\longrightarrow		\dashv	Gearless	<u> </u>	Base	ement					-		
4	<u> </u>								\perp	Geared Gearless	<u> </u>		rhead ement							
Brak	e Data (Data	for all ca						pro	ovide data	will res	sult in de	elay c	of controlle	er shipi	ment		_		
Car		DC/AC		Pick V (DC or		Hold Volts (DC Only)	Coil Resista		An	Coil mperage				ncy (2 nd) Brake		2.4	Pick VDC	ndent Hold VDC	(2 nd) Bra	rake Data Coil Amp
1	DC (default)	AC (1	3 Phase) I Phase)						<u> </u>		Draka R	Hollister-Whit Rope Brake (*	* below	v)	DC Bra	endent 2nd rake on Mot	tor			
2	DC (default)	_	3 Phase) I Phase)									Hollister-Whit Rope Brake (*		Rope Gripper [v)	□ DC Bra	endent 2nd ake on Mot	tor			
3	DC (default) [=	3 Phase) I Phase)				T		_			Hollister-Whit Rope Brake (*		Rope Gripper [endent 2nd ake on Mot		_	T	
4	DC [(default) [AC (3	Phase)								120vac I		itney R	Rope Gripper		endent 2nd ake on Mot				
														Gripper if	NOT 12	20vac . S	pecify Vol	tage	:	
										* F(or Draka	6501 Rope E	Brake ((If Supplied by	Smartrise	e)				
											Rope	Spread		Rope Diam	eter					
Moto	r Contro	l Prefer	ence					_	_											
	Magn	etek DS	SD 412 (de	default	(ı)											Filte	rs			
			attro DC			ded)								Line Reactor						
We w	ill notify y	you if the	e prefere	nce cl	hosen	cannot be	honored	d] EMI/RFI Filer Harmonic Filt						
Notes	s and Spe	ecial Ins	structions	;																
									_											

Special Features	Not Required	Car Call Security (specify floors on page 9)	Not Required (
Remote (2 nd) Fire Keyswitch & Lamp Earthquake (Includes Buzzer and Lamp) Car-to-Lobby Keyswitch Fan and Light Auto Shutoff Circuit (CT only) Machine Room Cabinet Light Machine Room Cabinet Power Plug Mechanical Normal Limits (Mechanical Switches not provided by Smartrise)	Not Required Shunt-Trip Flood Sensor 'S' Button	Car Call Security (specify floors on page 9) Using COP Floor Buttons as Code Entry Using Dry Contacts from Card Readers and Input in Car Station (default) Input in Machine Roc Override Security When on Independent Seservice Provide a Car Call Security Override Input Input in Car Station (default) Input in Machine Roc Door Open Button Functions on Secured Lac Other Considerations	or Keyswitches Tryice or Attendant
Independent Service (default) Hoistway Access Yes (default) In-Car Inspection Switch (uses top/bottom car of CT Inspection requires an In Car Inspection (Ho			
Non-standard		Hall Call Security	Not Required (
Medical Emergency Service (provide floor(s) on page Building is a Hospital with keys at every floor In Car Buzzer, In Car Lamp, and Hallway Lamp at each Floo Non-hospital – Phase 1 key at main level on In Car Buzzer and In Car Lamp are included Sabbath (attach spec) Other	r por are included	Provide Enable/Disable all Hall Calls Input (Provide a Hall Call Security Override Input (Dry Contacts in Hall Fixtures Signals in M (default) Other Considerations	per floor)
-		Controller Monitoring System	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:		Designed and Manufactured by Smartrise Engine SmartView 2.0 Monitoring Quantity Number of 7 Inch Viewing De Number of 11 Inch Viewing D	ering vices evices
E.P. Contact from Generator is Normally Open Normally Closed Power Pre-Transfer Contact from Generator is Normally Open Normally Closed Not Present (default) Emergency Power Car Selector Switch Single Car Selection Multiple Car Selection (provide of (default)) Number of cars the generator can operate selection powers other Simplex/Groups.	,	Outside machine room requires cloud subscription through S access. Inside the machine room requires WiFi on PC or table Designed and Manufactured by Integrated Displating Lift-Net (interface only) Designed and Manufactured by Kings III of American ORM (interface only)	_{st.} y Systems

	Not Required (
istway Cable, Part #HC2118SR Twenty-one AWG Insulated Conductors Max. In Hall Position Indicator CE Micro Com (default) Discrete Si Emotive 3-Wire Discrete Si EX-51/EX31 (interface only)	ignals (one line per floor)
AWG Insulated Conductors Max. In Hall Position Indicator CE Micro Com (default) Discrete Si Emotive 3-Wire Discrete Si EX-51/EX31 (interface only)	ignals (one line per floor)
In Hall Position Indicator CE Micro Com (default) Discrete Si Emotive 3-Wire Discrete Si EX-51/EX31 (interface only)	ignals (one line per floor)
CE Micro Com (default) Discrete Si Emotive 3-Wire Discrete Si EX-51/EX31 (interface only)	ignals (one line per floor)
Emotive 3-Wire Discrete Si EX-51/EX31 RSL (interface only)	, , ,
	ors
First Floor Only (Discrete) All Floors (Smartrise Hall Boards) EX-51/EX31 (interface only) If Lamps/Gongs are not 24VDC/6 Watt	Not Required (CE Micro Com Lantern (Type: SA130M Req.) Emotive 3-Wire RSL t. (explain below)
Lobby Panel	Not Required (
	In Use Lamp
Other Requirements	
	In Hall Arrival Lanterns First Floor Only (Discrete) All Floors (Smartrise Hall Boards) EX-51/EX31 (interface only) If Lamps/Gongs are not 24VDC/6 Watt Lobby Panel Door Open Lamp On Independent Svc. Lamp Emergency Power Lamp

Door		Use this do	oor for all cars, or specify which cars use it	Door			Use this door for all cars, or specify which cars use it					
	Туре	All	Car 1 Car 2 Car 3 Car 4	Туре			All Car 1 Car 2			Car 3	Car 4	
	1	□F□R	FRFRFRFR		2		□F□R	□F□R	□F□R	□F□R	□F□R	
H	all Door Type			На	III Door Type							
'''	Auto Passenge	Powered Fr	eight Manual Other		Auto Passenge		Powered Frei		lanual	Other		
	(default)	(see * below			(default)	о, <u>П</u>	(see * below)	<u></u>		Journal		
Se	elect Door Ope	erator		Se	elect Door Ope	erator						
	Abell	bell ATS 0090 Field "EZ"			Abell ATS 0090			Field "EZ	-			
	GAL	MODCTL	24vdc interface relays		GAL	М	1ODCTL 24vdc interface relays					
	GAL	MOD	L, G, or X		GAL	ı	MOD	L, G, or X	<			
	GAL	MOVFR	230vac input voltage		GAL	М	OVFR	230vac input voltage				
	Kone	Mac	104 or 105D interface board		Kone		Мас	104 or 10	05D interfa	ce board		
	Kone	PMSSC	104 or 105D interface board		Kone	Р	MSSC	104 or 10	05D interfa	ce board		
	Otis	AT-400	240 AC/120 VDC Interface		Otis	А	T-400	240 AC/	120 VDC I	nterface		
	Otis	AT-400/Glide P	Multi-Drop		Otis	AT-4	00/Glide P	Multi-Dro	pp			
	TKE	Dover HD-03	Requires IO Card: 6300TX2 (110vac)		TKE	Dove	er HD-03	Requires	IO Card:	6300TX2	(110vac)	
	TKE	Dover HD-73	Type D/IVO		TKE	Dove	er HD-73	Type D/I	VO			
	TKE	Dover HD-91	DC Motor		TKE	Dove	er HD-91	DC Moto	r			
	TKE	HDLM	Requires UIT_I/O Card		TKE	H	HDLM	Requires	UIT_I/O	Card		
	Fermator	VVVF5	Linear Door Operator		Fermator	V	VVF5	Linear D	oor Opera	tor		
	None		Manual Car Gate		None			Manual (Car Gate			
	Peelle	Wireless			Peelle	W	ireless	41 (1				
	Courion	ILearn	*Input Freight/door information at bottom		Courion	II	Learn	at botto	Freight/door information			
	EMS		at bottom		EMS			at bottom				
	Other		*Input Other door information at bottom		Other			*Input Ot bottom	her door in	nformation	at	
	Cam Mechanic Volts Gate Relea	al DC AC Amps Amps AC (3 Phase) A	Mechanical Safety Edge Door Hold Button C (3 Phase) AC (Single Phase) C (Single Phase) Volts Amps		Door Prot Photo Ey (default) Cam Mechanic Volts Gate Relea DC Other Door Co	cal ase	DC AC Amps nase) AC	Mechanical S (3 Phase)	AC (Single	Phase)	Amps	
	reiaht/Other D	oor Operator In	fo	, <u> </u>	otes and Speci	al Instr	uctions.					
Ė					and opoor	<u></u>						
	Manufacture											
	Mode											
	Reference #'s	S										
1	Joh Drinte fro	m Door Manufe	acturer are Required	ı I								

Flo	or Information	Floor Openings	Car Call Security	Hall Call Security	Hosp						
	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							
	Overhead ->	FR FR FR FR	FR FR FR FR	FR FR FR FR	FR						
	27										
	26										
	25										
	24										
	23										
	22										
	21										
	20										
	19										
	18										
	17										
	16										
	15										
	14										
	13										
	12										
We will default to the lobby landing	11										
and the landing above for main and	10										
alternate fire floor respectively.	9										
	8										
	7										
	6										
	5										
	4										
	3										
	2										
	1										
Defa	ault PI Pit ->	Pit	Pit	Pit	Pit						
Labe											
		☐ All cars same as Car 1☐ All walk-through	☐ All cars same as Car 1☐ All walk-through	☐ All cars same as Car 1☐ All walk-through							
	Main Fire/Lobby Floor	☐ All front	☐ All front	☐ All front							
	——— Alt Fire Floor ——— EMT/Flood Floor	Number of floors:	Number of floors:	Number of floors:							
		If mixed F/R please select boxes above.									
Total H Height	oistway (ft)	☐ Include Hall Network Cat5 package									
Car 1		Controller (MR) to Hall Network (Hoist-way) Cat5 Cable Length									
Car 2		F R Walkthrough Only: Top	List Way 0	Hoist-Way Considerations							
Car 3		Location of Hoist-way Up/I									
Car 4		F R Walkthrough Only: Bottom	Hoiet \	nt Light Present in Nav							
☐ All cars same	e as Car 1	Location of Hoist-way Up/E	on switch	,							
Notes and Spec	cial Instructions:										
			Overlay with Exist	ting Equipment							
			Cross Cance	ellation System							
			Cross Regist	tration System							
				of the above a Smartrise engineer will controllers.	ontact you to						
			gather details about the	c chiaming elevator controllers.							

Important: Provide Physical Layout on Sheet 9





