

HYDRAULIC

Engineering Data Form - Page 1

*IGV * MEI*

*Modular Elevator * Phoenix Modular*

Rev 6.1 210422

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.

City:

State:

Zip Code:

• If a category is not completed, the default option will be assumed.

	Table of Contents									
	1. Job Information	6. Fixtures								
	2. Shipping & Pre-Wire	7. Car Door Data								
	General Controller Information	8. Landings and Openings								
	4. Motor and Valve Data	9. Elevator(s) Physical Layout								
	5. Features & Functions									
	This document can be edited, saved, and so	ubmitted electronically using Adobe Reader.								
Job Details										
Job Name:		Market Segment: Financial								
PO #:		Federal Health Care Residential								
Job Location	(City & State)	Education Hospitality Other								
		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:								
_	Contact Information: (If different than above)	Job Site Address (Address Where Controller(s) Will Be Installed)								
Name:		Street:								
Phone:	Fax:									
Cell:		City:								
Email:		State:								
	Date Filled Out	Zip Code:								
	er/Manager Information	FULL ELEVATOR SYSTEMS								
Name:		Should you have a need for complete or partial elevator systems,								
Phone:		contact Smartrise Sales for more information.								
Email:		Smartrise Packager Partners								
Street:		S. I.								
		*Alliance * AVT Lifts *Canton * Delaware Manufacturing * EV Elevator Intl								

Shipping and Pre-Wire

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Shipping Information	Rei	ev 6.1 210422
Contact Name: Phone: Contact Fax/Email: Smartrise Call Prior to	pointment: Yes No Required: Yes No Customer's Carrier Name: Carrier's Account Number:	
Ship to Name/Company: Shipping Address:	Will Call Pre-paid Bill To Address:	
Shipping Schedule		
Controller(s) Note: Desired ship date fro Additional Shipping Instruc	Desired Ship Date from Smartrise Controller(s) Desired Ship Date from S m Smartrise is not an arrival date.	martrise
Pre-wire Fixtures (Must be 2		quired (
Pre-wire Hall Boards:	Yes No (Default) Yes No (Default) Company Name:	
Monitor I	Ship to Address: MAD 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 different more than 10%)	Simplex # Cars
Three Phase (Default)	Group # Cars in Group # of Hall Risers/Group
Single	Group Redundancy 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 (Customer 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.
Data Plate Copy Included	Job needs to be built to meet Engineering Specifications in Document provided EXCEPT those listed below (Provide
Environmental Considerations Not Required	Page/Section & Description of exceptions)
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)	ACME 47.4 Flouritar Cafatu Cada Compliance
<u> </u>	ASME 17.1 Elevator Safety Code Compliance
Connection Package (Run Box)	2019 Additional Local Code
SmartConnect Package - Recommended	2013
(Pre-Wired Car Top Inspection Box Included)	2010
Car Operating Panel	2007 NYC (Appendix K)
	No Fire Service MASSACHUSETTS
Single Panel (Default) Other	2000
Dual Panels Remote Panel	Controller Layout Preference
Notes and Special Instructions	Standard (MR, CT, and COP) (Default)
Trettee una oposiar metracione	No Cartop
	No COP
	Custom:
	We will notify you if the preference chosen cannot be honored

Hydraulic Features, Motor, and Valve Data

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Hydra	aulic Fea	itures (Featu	ures for	all cars is	the same as car	1) Failure to provi	de da	ata v	vill res	ult i	n de	elay of	cont	rolle	er shi	ipment Not Applicable	
Car	Contr. Spec	act	Capacity		Battery Lowering	ow Oil, and Oil temp	V	iscosi Contro	ity	Ad	ams l Jacke	Life		ped		Gov Reset Coil Is Is 24 VDC Is 120 VAC		
1	Орсс	···			Loweling	are all included.			51		- I	, ($\overline{}$		13 24 VBC 13 120 VAC		
2								$\overline{\Box}$						┪				
3						-		$\overline{\Box}$						=				
4						_							<u>_</u>	=				
-												Ш		L			Only if Rapad Hydra	
Motor	Only if Roped Hydro Motor & Valve Data (Data for all cars is the same as car 1) Failure to provide data will result in delay of controller shipment																	
Car	# Motor	Motor	FLA	HP		e Brand/Model	Valve Volts	ala V	# 0	of Valve	s	# of	Coils			acks		
	Leads	Volts	FLA	HIF	Valve	e brand/Model	valve voits		(1 5	Standar	d) (4 Sta	indard)	+	uai J	acks		
1											-					<u> </u> 		
2															1			
3															<u> </u>	1		
4																		
	Hydraulic Motor Control Preference Sprecher+Schuh (Soft Starter) (Default) Siemens (Soft Starter) Wye-Delta (via Contactors) Across the Line (via Contactors) We will notify you if the preference chosen cannot be honored																	

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Special Features	Not Required	Car Call Security (Specify floors on page 8)	Not Required
Remote (2 nd) Fire Key Switch & Lamp	Shunt-Trip	Using COP Floor Buttons as Code Entry	•
Earthquake (Includes Buzzer and Lamp)	Flood Sensor	Using Dry Contacts from Card Readers and/or Input in Car Station (Default) Input in Machine Room	•
Car-to-Lobby Key Switch	'S' Button	Override Security When on Independent Service	
Fan and Light Auto Shutoff Circuit (CT only)		Service Provide a Car Call Security Override Input Input in Car Station (Default) Input in Machine Room	
Machine Room Cabinet Light Machine Room Cabinet Power Plug		Door Open Button Functions on Secured Landi	
Wadillie Room Cabillet Fower Flag		Other Considerations	
Special Modes of Operation	Not Required		
Independent Service (Default) Hoistway Access Yes (Default) In-Car Inspection Switch (Uses top/bottom ca CT Inspection will not work unless an In-Car Inspection (Access or IC Inspection) Non-standard	· · · · · · · · · · · · · · · · · · ·		
Medical Emergency Service (Provide floor(s) on page	ge 8)		
Building is a Hospital with keys at every floo			
In Car Buzzer, In Car Lamp, and Hallway Lamp at each fid Non-Hospital — Phase 1 key at main level or			
In Car Buzzer and In Car Lamp are included		Hall Call Security	Not Required (
Sabbath (Attach spec)		Tian San Security	Not required
Times		Provide Enable/Disable all Hall Calls Input (Sim	iplex)
Start End Key Switch		Provide a Hall Call Security Override Input (Per Dry Contacts in Hall Fixtures Signals in Machin (Default)	,
		Other Considerations	
Other (Attach spec)			
One (Auadi spec)			
Attendant Service	Not Required (
Attendant Service (Is NOT Independent Service)		
☐ 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)		Designed and Manufactured by Smartrise Engineering	ng
Other:		Machine Room Monitoring	
Emergency Power (If generator can not run all care	s) Not Required	Local Monitoring (Lobby/Engineering/Management)	
E.P. Contact from Generator is		Remote Monitoring (Cloud) – Requires Internet Connection	
Normally Open Normally Closed		Designed and Manufactured by Integrated Display S	vstems
Power Pre-Transfer Contact from Generator is		Lift-Net with USB RS-422 Interface (Serial)	<u>, </u>
□ Normally Open (Default) □ Normally Closed □ Not Pr Emergency Power Car Selector Switch	esent	Lift-Net with Moxa Unit Interface (Serial)	
Single Car Selection (Default) Multiple Car Selection (F	Provide details below)	Designed and Manufactured by Kings III of America	
Number of cars the generator can operate	simultaneously	ORM (Interface only)	
(Default value is 1 car) Generator powers other Simplex/Groups			
Concrator powers outer outlines/Groups		BACnet	

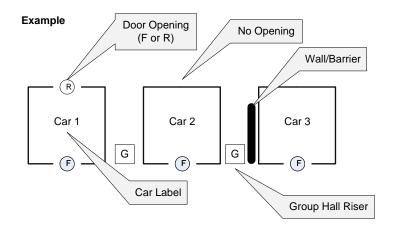
Custom Traveler and Hoistway Cable (Purchase from Smartrise) Not Required James Monroe Length of Cable(s) Per Car (in feet) Hoistway Cable CUSTOM LABLELING Yes Yes No Yes Yes Car 1 # OF CONDUCTORS CORE Jute Steel Steel Jute Steel Car 2 N/A DIAMETER 1.040 1.190 1.370 0.940 0.640 1.570 Car 3 # OF 14 AWG # OF 18 AWG 14 20 40 Car 4 # OF 20 AWG SHIELD COAXIAL (RC/6U) Car 5 0 UL Type ETT, NEC Compliant, UL & CSA Hoistway APPROVALS/BOTH Car 6 CSA Type ETT, CSA FT1 **NEC Compliant** All Fixtures must be 24 VDC / 6 Watts Max. In Car Position Indicator Not Required In Hall Position Indicator Not Required CE Micro Com (Default) Discrete Signals (One line per floor) CE Micro Com (Default) Discrete Signals (One line per floor) **Emotive 3-Wire** Discrete Signals (Binary) **Emotive 3-Wire** Discrete Signals (Binary) DL-20 (Interface only) EX-51 (Interface only) MAD (Giotto) Other: MAD (Giotto) # of Floors with Hall Position Indicators Other: In Car Arrival Lantern Not Required CE Micro Com (Default) Discrete Signals In Hall Arrival Lanterns Not Required **Emotive 3-Wire** Bulb/Chime wattage (If discrete): CE Micro Com Lanterns First Floor Only (Discrete) (Type: SA130M Req.) RSL MAD (Giotto) All Floors (Smartrise Hall Boards) **Emotive 3-Wire** Other: EX-51/EX31 (Interface only) **RSL** In Car Passing Chime Not Required If Lamps/Gongs are not 24 VDC / 6 Watt (Explain below) CE Micro Com (Default) Discrete Signal **RSL** Bulb/Chime wattage (If discrete): **Emotive 3-Wire** In Car Voice Annunciator Not Required **Lobby Panel** Not Required CE Micro Com **Emotive 3-Wire** Speaker is Remote Interface Only Interface Only Door Open Lamp In Use Lamp **RSL** On Independent Svc. Lamp In Service Lamp **Emergency Power Lamp** Other: Other Requirements

														Re	ev 6.1 210422		
Door			Use this door 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		Type			Car 1	Car 2	Car 3	Car 4		
	1		FR	□F□R	□F□R	□F□R	□F□R		2		□F□R	□F□R	□F□R	□F□R	FR		
Hall Door Type									Hall Door Type								
	Auto Passenger Powered Freight Manual Other (See * below)								Auto Passenger Powered Freight Manual Other (See * below)								
Select Door Operator									elect Door Ope	erator							
	Abell	II ATS 0090 Field "EZ"							Abell								
	GAL	МО	DCTL	24 VDC interface relays				GAL	MODCTL		24 VDC i	nterface re	elays				
	GAL	M	10D	L, G, or λ	<				GAL	N	MOD	L, G, or λ	(
	GAL	МС	OVFR	230 VAC	input volta	age			GAL	М	OVFR	230 VAC	input volta	age			
	Kone	N	Лас	104 or 10	05D Interfa	ce board			Kone	ı	Мас	104 or 10)5D Interfa	ice board			
	Kone	PM	ISSC	104 or 10	05D Interfa	ce board			Kone	PN	MSSC	104 or 10	5D Interfa	ice board			
	Otis	АТ	T-400	240 VAC / 120 VDC Interface Glide A (Discrete)			Otis	A	T-400		/ 120 VD0 Discrete)	C Interface	e				
	Otis	AT-40	0/Glide P	Multi-Dro	p (Serial)				Otis	AT-40	00/Glide P	Multi-Dro	p (Serial)				
	TKE	Dove	r HD-03	Requires	IO Card: 6	6300TX2 ((110 VAC)		TKE	Dove	er HD-03	Requires	IO Card:	6300TX2 (110 VAC)		
	TKE	Dove	r HD-73	Type D/I	VO				TKE	Dove	er HD-73	Type D/I	/ O				
	TKE	Dove	r HD-91	DC Moto	r				TKE	Dove	er HD-91	DC Moto	r				
	TKE	Н	DLM	Requires	UIT_I/O C	Card			TKE	Н	IDLM	Requires	UIT_I/O	Card			
	Fermator	V	/VF5	Linear Do	oor Operat	or			Fermator	V	VVF5	Linear Do	or Operat	or			
	None			Manual C	Car Gate				None			Manual C	Car Gate				
	Peelle	Wir	reless	*Innut F	=reiaht/d	oor info	rmation		Peelle	Wi	reless	*Innut F	Freiaht/d	door information			
	Courion	IL	earn	*Input Freight/door information at bottom			Courion	IL	_earn	at bottom							
	EMS								EMS								
	Other			*Input Ot bottom	her door ir	nformation	at		Other			*Input Ot bottom	her door ir	nformation	at		
	Door Prote Photo Eye (Default) Cam Mechanic Volts Gate Relea DC A Other Door Cor	al C	AC (Amps AC (Amps Acc) Acc	Mechanical S (3-Phase)	AC (Single	Phase)	Amps		Door Prote Photo Eye (Default) Cam Mechanic Volts Gate Relea DC Other Door Cod	e/Light Co	DC AC	Mechanical S (3-Phase)	AC (Single	Phase)	Amps		
* F	* Freight/Other Door Operator Info Notes and Special Instructions:																
	Manufacture	r															
	Mode	el [
	Reference #'s	s															
	Job Prints fro	m Doo	r Manufac	cturer are	Required												

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Flo	oor 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 -> (Default 13ft)	FR FR FR FR	FR FR FR FR	FR FR FR FR	FR						
	15										
	14										
	13										
	12										
We will default to the lobby landing	11										
and the landing above for main	10										
and alternate fire floor respectively.	9										
	8										
	7										
	6										
	5										
	4										
	3										
	2										
	1										
	Default Pit ->	Pit	Pit	Pit	Pit						
	labels (Default 4ft)	☐ All cars same as Car 1	☐ All cars same as Car 1	All cars same as Car 1							
		☐ All walk-through	☐ All walk-through	☐ All walk-through							
	Main Fire/Lobby Floor	☐ All front	☐ All front Number of floors:	☐ All front Number of floors:							
	——— Alt Fire Floor ——— EMT/Flood Floor	Number of floors:									
		If	mixed F/R please select boxes	above.							
		☐ Include Hall Network CAT5 package									
		Controller (MR) to Hall Network (Hoistway) CAT5 Cable Length									
		Hoistway Considerations	3								
		Ambient Light Pres	ent in Hoistway								
		Corner Post Rails									
		Comer Fost Nails									
	l Hoistway										
	eight (ft)	Walkthrough Only: Top F R Location of Hoistway Up/l		th Existing Equipment							
Car 1		F R Location of Hoistway Up/		s Registration System							
Car 2											
Car 3		Walkthrough Only: Bottor F R Location of Hoistway Up/	to gather det	oose one of the above, a Smartrise engi ails about the existing elevator controllers							
Car 4				Provide Physical Layout on Sheet 9							
☐ All cars sa	ime as Car 1]									
Notes and Spec	cial Instructions:										

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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

