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HYDRO: EVOLVED

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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 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.

	is not completed, the delider option will be assumed	••
	Hydraulic -	Table of Contents
	1. Job Information	6. Cables and Fixtures
	2. Shipping and Pre-Wire	7. Car Door Data
	3. General Controller Information	8. Landings and Openings
	4. Motor and Valve Data	9. Elevator(s) Physical Layout
	5. Features and Functions	
	This document can be edited, saved, and	d submitted electronically using Adobe Reader.
Job Details		
Job Name:		Market Segment: Financial
PO #:		Federal Health Care Residential
Job Location (City & State)	
		Education Hospitality Other
urchasers Infe	ormation: (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:		
Phone:	Fax:	Street:
Cell:		
Email:		City:
		State:
	Date Filled Out	Zip Code:
	r/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
Succi.		* Alliance * AVT Beckett * Delaware Elevator
City:		Manufacturng * Dura-Vator * EECO * EV Elevator
State:		International (EEVI) * Lift Solutions * MEI * Phoenix
Zip Code:		Modular * SEES - Southern Elevator & Electrial
		Supply * Trumph Electric*

Shipping and Pre-Wire

Elevator Cabs and Surfaces

Job Reference:

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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	ner's Carrier Name: s Account Number: Collect Third-Party 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
Additional Shipping Instructions	
Pre-wire Fixtures (Must be 24 VDC / 6 Watt Max)	Not Required
Pre-wire COP Boards: Yes No (Default)	
	Company Name:
Fixture Manufacturer Dupar ERM Monitor Other	Ship to Address:
ECC Innovation PTL	
EPCO MAD SEES	

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) Main Line Transformer (If Customer Requires) Provided by Smartrise(Aluminum Isolation Transformers are standard) Provided By Customer (Customer to provide drawing) Secondary Voltage kVA	Selective Collective (2 buttons/floor, multiple calls) (Default) Non-Selective Collective (1 button/floor, multiple calls) Non-Selective Non-collective (1 button/floor, 1 call at a time) Other: Smart Dispatching Lobby Boost (Lobby Only)
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) Image: Specification of exception of exceptions Image: Specification of exception
	2019
Car Operating Panel Single Panel (Default) Dual Panels	Additional Local Code
Remote COP (Discrete in M/R) Notes and Special Instructions	2007 NYC (Appendix K) Detroit 2004 No Fire Service Massachusetts 2000 Ontario Florida
	Connection Package (Run Box) SmartConnect Package – Recommended (Pre-Wired Car Top Inspection Box included)

Hydraulic Features, Motor, and Valve Data

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								Not Applic	able 🔵
Car	Contract Speed	Capacity	Battery Lowering	Low Pressure, Low Oil, and	Viscocity Control	AdamsLife Jacket	Roped	Gov Res Is 24 VDC	et Coil Is Is 120 VAC
1				Oil Temp are all included					
2									
3									
4									
								Only if Ro	ped Hydro

Moto	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 Leads	Motor Volts	FLA	HP		Valve Brand/Model	Valve Volts	# of Valves (1 Standard)	# of Coils (4 Standard)	Dual Motors	Dual Jacks	
1												
2												
3												
4												

Hydraulic Motor Control Preference

Sprecher+Schuh (Soft Starter)	
Siemens (Soft Starter)	First Available Soft Starter
Wye-Delta (via Contactors)	First Available Contactors
Across the Line (via Contactors)	

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
Special Features Remote (2 nd) Fire Key Switch & Lamp Earthquake (Includes Buzzer and Lamp) Car-to-Lobby Key Switch Fan and Light Auto Shutoff Circuit (CT Only) Machine Room Cabinet Power Plug Special Modes of Operation Independent Service (Default) Hoistway Access Yes (Default) No In-Car Inspection Switch Medical Emergency Service (Provide floor(s) on p Building is a Hospital with keys at every floor In Car Buzzer, In Car Lamp, and Hallway Lamp at each F Non-Hospital – Phase 1 key at main level on In Car Buzzer and In Car Lamp are Included Sabbath (Attach Spec) Times Start End Key Switch Patient Security	Shunt-Trip Flood Sensor 'S' Button Machine Room Cabinet Light Enclosure Legs Inching Operation Not Required age 8) loor are Included	Car Call Security (specify floors on page 8) Using COP Floor Buttons as Code Entry Using Dry Contacts from Card Readers and/or Input in Car Station (Default) Input in Car Station (Default) Provide a Car Call Security Override Input Input in Car Station Input in Car Station Door Open Button Functions on Secured Land Notes Hall Call Security Provide Enable/Disable all Hall Calls Input (Sin Provide a Hall Call Security Override Input (Pe Dry Contacts in Hall Fixtures (Default)	Key Switches Room ce or Attendant ings Not Required nplex) r floor)
Attendant Service (Is NOT Independent Service	Panel Per Landing ars) Not Required Not Present Provide details below)	Controller Monitoring System Designed and Manufactured by Smartrise Engineering Machine Room Monitoring Local Monitoring (Lobby/Engineering/ Manager Remote Monitoring (Cloud) – Requires Internet Designed and Manufactured by Intgrted Display System Lift-Net with USB RS-422 Interface (Serial) Lift-Net with Moxa Unit Interfce (Ethernet / LAN Designed and Manufactured by Kings III of America ORM (Interface Only)	ment) t Connection <u>stems</u>
Emergency Power Lamp		BACnet	

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• Traveler and Hoistway Cable (Pure	chase from Smartrise)	
Draka: 🗌 By Draka 🗌 By SEES James Monroe: 🗌 1	Triumph Electric NY 🔲 CED	Not Required
Traveler Cable #1 Traveler Cable #2 Traveler Cable CUSTOM LABLELING Yes No # OF CONDUCTORS 19 31 69 CORE Steel Steel Steel DIAMETER 0.90" 1.36" 1.570" # OF 14 AWG 4 4 5 # OF 18 AWG 7 14 40 # OF 20 AWG SHIELD 4 Pair 6 Pair 11 Pair COAXIAL (RC/6U) No 1 2 APPROVALS/BOTH UL Type ETT>NEC Compliant, CSA Type ETT, CSA FT1	Length of Cable(s) Per Car (in feet) Car 1 Car 2 Car 3 Car 4 Car 5 Car 6	Hoistway Cable Yes 26 N/A 0.55" 0 26 0 26 0 26 0 26 0 0 0 0 0
All Fixtures Must Be 24 VDC / 6 W In Car Position Indicator Not Required	atts Max.	Not Required (
CE Micro Com (Default) Discrete Signals (One line per floor) MWSF: Hands Free Discrete Signals (Binary) VIDATECH (CAN) MAD (CAN) Other:	CE Micro Com (Default) Discrete	Signals (One line per floor) Signals (Binary) MAD (CAN) MWSF: Hands Free Not Required CE Micro Com Lanterr (Type: SA130M Req.)
In Car Voice Annunciator Not Required C CE Micro Com Interface Only Other:	Lobby Panel Door Open Lamp On Independent Svc. Lamp Other Requirements	Not Required (In Use Lamp In Service Lamp

Car Door

Job Prints from Door Manufacturer are Required

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Door		Use this do	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			
	Type 1		Car 1 Car 2 Car 3 Car 4		Type 2		All	Car 1	Car 2	Car 3	Car 4
		F R		┥┝				R _ F_ R		☐ F R	F R
Hall	l Door Type			н	lall Door Type						
	Auto Passenge	er (Default)	Manual	Auto Passenger (Default)							
Car	r Door Type				Car Door Type						
	Auto Passenge	er (Default)	Manual Powered Freight (See * below)		Auto Passeng	er (<mark>Default</mark>)		Manual	Powered	d Freight (See	* below)
Sele	ect Door Ope	erator		s	Select Door Op	perator					
	Abell	ATS 0090	Field "EZ"		Abell	ATS 0	0090	Field "EZ"			
	Fermator	VVVF5	Linear Door Operator		Fermator	V	'F5	Linear Door	Operator		
	GAL	MODCTL	24 VDC Interface Relays		GAL	MOD	CTL	24 VDC Inte	erface Rel	ays	
	GAL	MOD	L, G, or X		GAL	MO	D	L, G, or X			
	GAL	MOVFR	230 VAC Input Voltage		GAL	MOV	′FR	230 VAC In		-	
	Kone	Mac	104 or 105D Interface Board		Kone	Ma		104 or 105			
	Kone	PMSSC	104 or 105D Interface Board		Kone	PMS	SC	104 or 105		e Board	
	Otis	Glide A	Discrete Only 240 VAC / 120 VAC Interface		Otis	Glide	eΑ	Discrete Or	,		
	Otis	AT-400	Power Supply by SRE (Discrete)		Otis	AT-4	100	240 VAC / [·] Powr Supp)
	TKE	Dover HD-03	Only M Models		TKE	Dover H	HD-03	Only M Mo			
	TKE	Dover HD-73	Type D/IVO		TKE	Dover H	HD-73	Type D/IVO			
	TKE	Dover HD-91	DC Motor		TKE	Dover H	HD-91	DC Motor			
	TKE	HDLM	Requires UIT_I/O Card		TKE	HDL	M	Requires U	T_I/O Ca	rd	
	Wittur	Mini/Supra, SGV	120 VAC / 230 VAC		Wittur	Mini/Supr	ra, SGV	120 VAC /	230 VAC		
	EMS		*Input Freight/Door Information at		EMS			*Input Frei	aht/Door I	nformatio	n at
	Courion		Bottom		Courion			Bottom	gnaboon	inormation	, at
	Peelle				Peelle						
	Other		*Input Other Door Information at Bottom		Other			*Input Other	Door Info	rmation at	Bottom
	Door Prote	ction			Door Prot	ection					
]										
	Photo Eye/Ligh Curtain (Defaul	t) M	lechanical Safety Edge Door Hold Button		Photo Eye/Lig Curtain (Defau		M	echanica I Safety	Edge [Door Hold	d Button
	Cam				Cam						
	Mechanical		AC (3-Phase) AC (Single Phase)		 Mechanical		DC	AC (3-Pha	se) [AC (Sing	e Phase)
									ι, Γ		61 11200)
	Volts	Amps			Volts	Amp	ps				
	1					L					
	Gate Rele	ase			Gate Relea	ase					
	DC AC	(3-Phase) 🗌 AC	(Single Phase) Volts Amps			C(3-Phase)	AC	(Single Phase)	Volts		mps
0	ther Door Info	ormation			Other Door In	formation	1]
*Fre	eight/Other D	oor Operation I	nformation	N	lotes and Spec	cial Instruc	ctions:				
N.4	pufacture.]								
Mai	nufacturer										
Rof	Model erence #'s										
)	mr on Doguind								

Landings and Openings

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FIO	or Information	Floor Openings	Car 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				
We will default to	12				
the lobby landing and the landing	11				
above for main and alternate fire	10				
floor respectively.	9				
	8				
	7				
	6				
	5				
	4				
	3				
	2				
	Default Pl labels (Default 4ft)	Pit	Pit	Pit	Pit
		All cars same as Car 1	All cars same as Car 1	All cars same as Car 1	
	——— Main Fire/Lobby Floor	 All walk-through All front 	 All walk-through All front 	 All walk-through All front 	
	Alt Fire Floor	Number of floors:	Number of floors:	Number of floors:	
	EMT/Flood Floor	lfr	nixed F/R please select boxes		
	——— EMT/Flood Floor	lf r	nixed F/R please select boxes		11
	EMT/Flood Floor	Include Hall Network C.	AT5 package	above.	· · · · ·
	EMT/Flood Floor	Include Hall Network C.		above.] 50 ft □ 100 ft
	EMT/Flood Floor	Include Hall Network C.	AT5 package	above.	50 ft □ 100 ft
	EMT/Flood Floor	☐ Include Hall Network C. Controller (MR) to Hall Net	AT5 package work (Hoistway) CAT5 Cable L	above.	J
	EMT/Flood Floor	Include Hall Network C.	AT5 package work (Hoistway) CAT5 Cable L	above.	J 50 ft □ 100 ft
	EMT/Flood Floor	☐ Include Hall Network C. Controller (MR) to Hall Net	AT5 package work (Hoistway) CAT5 Cable L	above.	
	EMT/Flood Floor	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations	AT5 package work (Hoistway) CAT5 Cable L	above.] 50 ft □ 100 ft
	EMT/Flood Floor	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations	AT5 package work (Hoistway) CAT5 Cable L	above.	50 ft 🗌 100 ft
	EMT/Flood Floor	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations	AT5 package work (Hoistway) CAT5 Cable L	above.	
	EMT/Flood Floor	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations	AT5 package work (Hoistway) CAT5 Cable L	above.	
Total		Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations	AT5 package work (Hoistway) CAT5 Cable L	above.	50 ft 🗌 100 ft
	Hoistway	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations Corner Post Rails Walkthrough Only: Top	AT5 package vork (Hoistway) CAT5 Cable L	above.	50 ft 🗌 100 ft
	Hoistway	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations Corner Post Rails	AT5 package work (Hoistway) CAT5 Cable L	above. ength 25 ft (Default)	50 ft 🗌 100 ft
He	Hoistway	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations Corner Post Rails Walkthrough Only: Top Location of Hoistway Up/C	AT5 package work (Hoistway) CAT5 Cable L	above.	
He Car 1	Hoistway	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations Corner Post Rails F R Location of Hoistway Up/C Walkthrough Only: Top Korner Post Rails	AT5 package work (Hoistway) CAT5 Cable L Do Switch Car#s — Overlay with Cross When you ch to cather det	above. ength 25 ft (Default) th Existing Equipment s Registration System moose one of the above, a Smartrise eng	ineer will contact you
He Car 1 Car 2	Hoistway	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations Corner Post Rails Walkthrough Only: Top Location of Hoistway Up/C	AT5 package work (Hoistway) CAT5 Cable L Don Switch Car#s Don Switch Car#s When you ch to gather det	above. ength 25 ft (Default) th Existing Equipment s Registration System noose one of the above, a Smartrise eng ails about the existing elevator controller	ineer will contact you
Car 1 Car 2 Car 3	Hoistway eight (ft)	Include Hall Network C. Controller (MR) to Hall Network Hoistway Considerations Corner Post Rails Kalkthrough Only: Top Location of Hoistway Up/C Walkthrough Only: Bottom Location of Hoistway Up/C Kalkthrough Only: Bottom Location of Hoistway Up/C Kalkthrough Only: Bottom	AT5 package work (Hoistway) CAT5 Cable L Don Switch Car#s Don Switch Car#s When you ch to gather det	above. ength 25 ft (Default) th Existing Equipment s Registration System moose one of the above, a Smartrise eng	ineer will contact you

Notes and Special Instructions:

Elevator(s) Physical Layout

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