



A **VANTAGE** Company

Phone: (916) 428-1708, Fax: (916) 428-1728
Email: sales@elevatorcontrols.com



Hydro Controller Data Forms

Project Data

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Job Name:	EC Job Number:	

Date Received: _____

Instructions:

1. Please fill out these data forms as completely as possible. Incomplete data may delay delivery.
2. A blank or no selection will be considered as item not applicable to this project.
3. All applicable data should be measured on the existing equipment, when it is to be retained.
4. The bottom landing shall be referred to as landing 1, and shall be the reference landing without regard to the building floor labels.
5. Contact Elevator Controls Corporation engineering department at 916-428-1708, if any questions arise regarding the required data.

NOTE: Your controller will be built according to the data furnished herein.

EC Quote #: _____ P.O. #: _____ Customer #: _____

Job Name:

Job Location: _____
Job Address: _____
Job City: _____
Job State: _____ Zip Code: _____

☐ Yes ☐ No Job Specifications
☐ Yes ☐ No Specifications have been sent to EC
Consultant: _____
Contact: _____
Phone: _____ Fax: _____
Email: _____

Contractor Information:

Company: _____
Contact Name: _____
Address: _____
City: _____
State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Installation Type: ☐ New Construction
☐ Modernization
Duty Type: ☐ Passenger ☐ Service ☐ Freight
Building Classification:
☐ Office ☐ Hotel, Apartment, Condo
☐ Government ☐ Hospital/Medical Facility
☐ School or University ☐ Prison/Jail
☐ Other: _____

Shipping Information:

Company: _____
Contact Name: _____
Shipping Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Notice Required:

☐ 24 Hours ☐ 48 Hours ☐ Other: _____
Shipping Method: ☐ Ground ☐ Air
☐ Lift gate truck required

Motor(s) ship to address (if supplied by EC):

Motor Reference #: _____
☐ Same as above shipping information
Contact Name: _____
Shipping Address: _____
City: _____ State: _____ Zip Code: _____
Phone: _____ Fax: _____
Email: _____

Code Compliance United States:

A17.1-20xx ☐ -16 ☐ -13 ☐ -10 ☐ -07 ☐ -04
☐ Other (specify) - _____

Code Compliance International:

Canada B44- ☐ -16 ☐ -13 ☐ -10 ☐ -07 ☐ -04
☐ Other (specify) - _____

Additional state or local code compliance:

☐ Chicago ☐ Nebraska
☐ GSA/Federal ☐ New York City
☐ Michigan ☐ Washington (Seattle)
☐ Other: _____

☐ Additional Compliance Requirements? Explain

Delivery Schedule	
Controller	Delivery Date (on site)
Car	
Car	
Car	
Car	
Group	
Cross Registration Panel	

Data Forms Completed By:

Name/Title: _____
Phone: _____ Fax: _____
Mobile: _____
Email: _____
Company: _____
Signature: _____



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Hoistway Data

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Job Name:

EC Job
Number:

Instructions:

1. Place an "X" in the appropriate box to indicate a floor opening. (F=Front & R=Rear)
2. To ensure the proper Landa stainless steel coded tape length, indicate all floor heights (including overhead and pit).
3. Provide an additional hoistway data page for each elevator that has different floor heights or openings.

EC Elevator ID:			Car A		Car B		Car C		Car D		Car E		Car F		Car C.L.		Hall C.L.		CODE BLUE		I.R.			
Building Elevator ID:																								
LDG #	Floor Label	Floor Height	F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R	F	R
	Overhead																							
32																								
31																								
30																								
29																								
28																								
27																								
26																								
25																								
24																								
23																								
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11																								
10																								
9																								
8																								
7																								
6																								
5																								
4																								
3																								
2																								
1																								
	Pit																							
Capacity: <input type="checkbox"/> lbs <input type="checkbox"/> kg															Lobby landing #: <input type="text"/> Floor Label: <input type="text"/>									
Speed: <input type="checkbox"/> fpm <input type="checkbox"/> m/s															Car C.L. = Car Call Lockout Floor Hall C.L. = Hall Call Lockout Floor I.R. = Inconspicuous Riser (Swing Op.)									
Total Travel <input type="checkbox"/> ft <input type="checkbox"/> m																								
Traveler* <input type="checkbox"/> ft <input type="checkbox"/> m															<input type="checkbox"/> Kellems Grips (total qty): <input type="text"/>									

Number of Hoistways: ☐ 1 ☐ 2 ☐ _____ Standard hoistway equipment is NEMA 1 ☐ Other:

☐ Final limit switches by EC (needed for traction elevators only, 2 total, cam by others)**



Each Pixel control system includes Landa, a non-contact encoded car positioning system that features an encoded stainless steel tape and requires no magnets or terminal slow down switches to be installed.

*Specify travel cable length if ordering **Pixel custom travel cable (optional)**. Specify length needed per car.

**Mechanical (LS1) final limit switches come with standard 15lbs rail brackets and hardware.

Control Features

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Job Name:

EC Job
Number:☐ Machine room space limitations ☐ H ☐ W ☐ D
Explain: _____

Refer to page 6 of data forms for NEMA 1 enclosure sizes

Controller NEMA Rating Requirement:☐ 1 (standard) ☐ 12 ☐ 4 ☐ 4X
☐ Air conditioned enclosure
☐ Forced air ventilation
☐ Enclosure interior lighting**Type of Operation:**☐ Simplex:
☐ Selective Collective ☐ Single Auto Push Button
☐ Down Collective ☐ Single Button Collective
☐ Group Number of Cars: _____

Central connection point for communication is usually in the controller for Car #1. Specify lengths for communication cables (Car 1 to Car 2, Car 1 to Car 3, etc.). Allow for an additional 5 feet at each end to permit hookup inside the controller enclosure. _____

Number of hall call risers: _____

☐ Cross Registration Panel☐ Swing Car Operation: Car(s): _____
☐ Key switch in car ☐ Key switch in hall
☐ Automatically switch when IR call is registered
☐ Dedicated riser for swing hall calls**Fire Service Operation:**☐ Fire Service Phase I:
☐ 3 position keyswitch ☐ 2 position keyswitch
☐ Fire Service Phase II (3 position keyswitch)
Main Recall Landing #: _____ Floor Label: _____
Doors will open at: ☐ Front ☐ Rear
Alt. Recall Landing #: _____ Floor Label: _____
Doors will open at: ☐ Front ☐ Rear☐ Additional Fire Recall Switch:
Location Landing #: _____ Floor Label: _____**Inspection/Hoistway Access Operations:**☐ In-Car Inspection Operation
☐ Hoistway Access Operation
☐ Top access switch (top landing):
Location: ☐ Front ☐ Rear
☐ Bottom access switch (bottom landing):
Location: ☐ Front ☐ Rear**In-Car Switch Type(s):**☐ 2-position Access Enable Switch
☐ 2-position In-Car Inspection Switch
☐ 3-position Inspection and HW Access switch

Operation on In-Car Inspection requires an Enable button and separate Up & Down buttons inside elevator cab.

☐ Attendant Operation ☐ Annunciator panel in car
☐ Car to Lobby Switch: ☐ Car ☐ Hall ☐ Other _____
☐ Cancel car calls immediately ☐ Answer new car calls
Park with doors: ☐ Open ☐ Closed
Return Landing #: _____ Floor Label: _____
☐ Earthquake Operation:
☐ A17.1-16 compliance (HW scan switch, indicators, etc.)
☐ Seismic switch ☐ Counterweight derailment device
☐ Car operates on fire or hosp. service (reduced speed)
☐ Emergency Power Generator
☐ E.P. contact during normal op. ☐ Open ☐ Closed
☐ Power pre-transfer contact
☐ Sequential lowering (standard)
☐ If not, number of cars to run simultaneously: _____
☐ Manual select switch: # of Pos: _____ Labels: _____

A17.1-2000+ requires indicator(s) if the elevators cannot be seen from the selection switch location.

☐ Emergency Medical Technician Service (EMT):
Return Landing #: _____ Floor Label: _____
☐ Fan & Light Timer Operation (Elevator Cab)
☐ Hospital Service (Code Blue): (indicate landings served on page 2)
of cars allowed to run on hospital service: _____
Hospital Service Phase 2 Operation initiated by:
☐ Hospital phase 2 switch ☐ Independent service switch
☐ Other (explain): _____☐ Independent Service Switch: ☐ Car (std.) ☐ Hall
☐ Load Weighing: ☐ By EC Mfg: _____
☐ Rope Tension ☐ X-head Deflect ☐ Isolated platform
☐ Dry contact load weigher signals (not for pre-torque):
☐ Hall call bypass ☐ Anti-nuisance ☐ Overload☐ Pit Flood Operation Return landing: _____☐ Sabbath Operation☐ Security (check applicable requirements below)
☐ Call lockout: (indicate landings served on page 2)
☐ Car: ☐ Card Reader ☐ Key ☐ Other: _____
☐ Hall: ☐ Card Reader ☐ Key ☐ Other: _____
☐ Call lockout override switch: ☐ Car ☐ Hall
☐ Car call security (enter code using car call buttons)
☐ Bypass Security: (bypass on fire service is standard)
☐ Independent Service ☐ Attendant Service
☐ Other: _____Additional features required: _____



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Door Information

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Job Name:

EC Job
Number:

☐ New door operator:
Supplier: _____
Contact: _____
P.O.#: _____ Phone: _____

☐ Existing door operator

Car Gate and Hoistway Doors:

☐ Automatic car gate
☐ Manual car gate
☐ Gate release solenoid: Voltage: _____ V Phase: _____
Current: _____ A Description: _____

☐ Electric Door Restrictor
Brand: _____ Model: _____

Hoistway Door Type:

☐ Automatic passenger (horizontal sliding)
☐ Automatic freight (vertical sliding)
☐ Swing*
☐ Manual*
*Interlocks:
☐ Door closed contacts (separate from locked contacts)
☐ Door locked contacts
Brand: _____ Model: _____
Door locking cam:
☐ Fixed
☐ Mechanical (driven by automatic car gate)
☐ Retiring: Voltage: _____ V ☐ DC ☐ AC
Current: _____ A Phase: _____
Notes: _____

Automatic Passenger Door Operators:

Place an "X" in the appropriate box(es) to indicate door operator (F = Front and R = Rear). Operators shown in **italics** require interface module mounted on cartop.

F	R				
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOVFR:	<input type="checkbox"/> 230V	<input type="checkbox"/> 115V	
<input type="checkbox"/>	<input type="checkbox"/>	<i>GAL MOD (shunt wound):</i>	<input type="checkbox"/> 230V	<input type="checkbox"/> 115V	
<input type="checkbox"/>	<input type="checkbox"/>	<i>GAL MODPM:</i>	<input type="checkbox"/> 230V	<input type="checkbox"/> 115V	
<input type="checkbox"/>	<input type="checkbox"/>	<i>GAL MOM/MOH</i>			
<input type="checkbox"/>	<input type="checkbox"/>	MAC PM-SSC			
<input type="checkbox"/>	<input type="checkbox"/>	ECI: <input type="checkbox"/> 895 <input type="checkbox"/> 1000 <input type="checkbox"/> 2000 <input type="checkbox"/> VFE2500			
<input type="checkbox"/>	<input type="checkbox"/>	Atlantic Tech	<input type="checkbox"/> 9001	<input type="checkbox"/> 9003	
<input type="checkbox"/>	<input type="checkbox"/>	Dover/TKE: <input type="checkbox"/> <i>HD73</i> <input type="checkbox"/> <i>HD85</i> <input type="checkbox"/> <i>DC68</i>			
<input type="checkbox"/>	<input type="checkbox"/>	Dover/TKE: <input type="checkbox"/> HDLM <input type="checkbox"/> PA LULA			
<input type="checkbox"/>	<input type="checkbox"/>	Fermator VVVF5			
<input type="checkbox"/>	<input type="checkbox"/>	IPC Encore (closed loop) <input type="checkbox"/> D2000 <input type="checkbox"/> D3000			
<input type="checkbox"/>	<input type="checkbox"/>	KONE AMD			
<input type="checkbox"/>	<input type="checkbox"/>	MCE Smartrak			
<input type="checkbox"/>	<input type="checkbox"/>	Nova BG101			
<input type="checkbox"/>	<input type="checkbox"/>	Otis AT400 <input type="checkbox"/> Customer-supplied Pwr Supply			
<input type="checkbox"/>	<input type="checkbox"/>	<i>Otis 6970A (Reactance)</i>			
<input type="checkbox"/>	<input type="checkbox"/>	R&R DC244			
<input type="checkbox"/>	<input type="checkbox"/>	<i>Schindler QKS:</i> <input type="checkbox"/> 14 <input type="checkbox"/> 15			
<input type="checkbox"/>	<input type="checkbox"/>	Other:*			

*Please send/provide door operator wiring diagrams.

Door Features:

☐ Infrared detector/dual-beam photo eye unit:
☐ By EC (Weco-917P-2D) ☐ Customer Provided
☐ Cut-out switch located in COP
☐ Anti-nuisance
☐ Mechanical safety edge
☐ Heavy doors at landings: _____
☐ Door hold: ☐ Switch ☐ Button: (time) _____ sec.
☐ Nudging: ☐ Reduced torque with buzzer
☐ Buzzer only

Notes: _____

Power Freight Doors:

☐ Door operator wiring diagrams have been sent to EC*
☐ Courion: ☐ MP ☐ iLearn Other: _____
☐ EMS (provide prints) Model: _____
☐ Peelle: ☐ PLC ☐ Wireless Other: _____
☐ Other (provide prints): _____

Freight Door Operation:

Door Opening: ☐ Automatic ☐ Momentary pressure
☐ Constant pressure
Door Closing: ☐ Automatic ☐ Momentary pressure
☐ Constant pressure
Fire Ph. 1 Closing: ☐ Automatic ☐ Momentary pressure
☐ Constant pressure

Notes: _____



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Machine Room Data - Hydraulic

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Job Name:

EC Job
Number:

Line Voltage: _____ (measured)

- ☐ AC 3 phase (symmetrical with respect to ground)
☐ AC single phase
☐ 60 Hz ☐ 50 Hz

Hydraulic Pump Motor Data:

- ☐ Existing ☐ New ☐ New from EC
Brand: _____ Model: _____
HP: _____ FLA: _____
Voltage: _____ VAC, 3 Phase, 60Hz
☐ Measured ☐ Data sheet
☐ Multiple pump motors:
Number of motors: ☐ 2 ☐ Other: _____
Number of disconnects: ☐ 1 ☐ 2 ☐ Other: _____
☐ Sequential Starting (standard)
☐ Simultaneous Starting
Note: Standard - no single motor operation.
Number of starts/hour rating: ☐ 80 (standard) ☐ 120

Motor Starting:

- ☐ By EC
☐ Customer-supplied starter:
Brand: _____ Model: _____
*Due to electrical certification requirements, a motor starter that is not installed by the factory shall not be mounted inside the controller cabinet.
☐ Solid State Sprecher+Schuh (standard)
☐ Siemens (additional charges apply)
☐ 3/9 lead motor ☐ 6/12 lead motor
☐ WYE-Delta
☐ ATL (across the line)
☐ Other*: _____
*Wiring diagrams are required.

Valve Data:

- Brand: ☐ Maxton ☐ EECO ☐ Blain
☐ TKE/Dover ☐ Bucher ☐ GMV
☐ Other: _____
Model: _____
Number of valves: ☐ 1 (standard) ☐ 2 ☐ 3 ☐ 4 ☐ _____
Coils per valve: ☐ 1 ☐ 2 ☐ 3 ☐ 4 (standard) ☐ _____
Valve voltage: ☐ 120VAC (standard) ☐ Other: _____ AC
Note: If voltage is not specified, 120VAC will be provided:

Additional Requirements:

- ☐ Low oil switch
☐ Viscosity control
☐ Pressure switch
(required when top of cylinder is above top of storage tank)

☐ Roped hydraulic unit:

Make: _____ Describe: _____

☐ Governor with remote set & reset solenoids:

Coil Voltage: ☐ AC ☐ DC FLA: _____

Electrical schematic required for set reset solenoids

☐ Synchronizing circuit for dual and telescopic pistons

☐ Load Weighing Interface

Brand/model: _____

Battery powered lowering device:

- ☐ By EC ☐ Customer-supplied*

*If customer-supplied, model: _____

☐ Passenger doors ☐ Power freight doors

☐ Mount inside controller at factory (standard)

☐ Remote-mounted

*Due to electrical certification requirements, a battery lowering unit that is not installed by the factory shall not be mounted inside the controller cabinet.

NEMA 1 Enclosure Sizes:

Select a Nema 1 enclosure if a specific size is preferred.

EC Manufacturing will determine if the required components will fit within the enclosure selected, and will advise if not possible. If no selection is made, EC will select the smallest enclosure size available.

☐ 30"H x 36"W x 8"D (wall mount & lift off door)

☐ 38"H x 36"W x 12"D (wall mount & lift off door)

☐ 48"H x 36"W x 14"D (wall mount & lift off door)

☐ Hinged door option

☐ Legs for floor-mounting a wall-mount enclosure

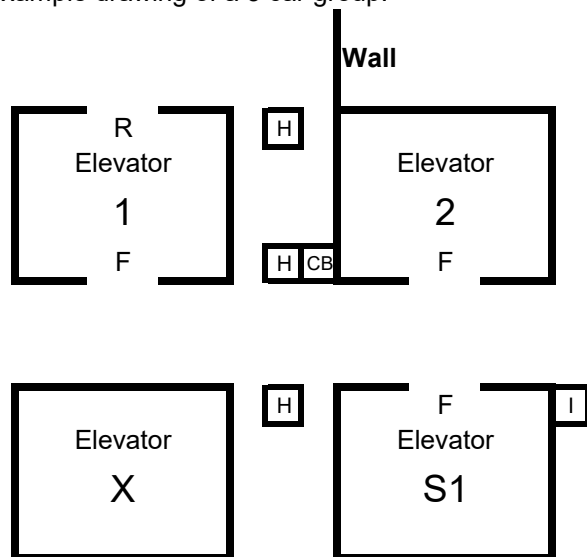
☐ 12" (single) ☐ 24" (double)

Additional Information:

Hoistway Layout

Using the grid layout below, identify each elevator by a number/name as appropriate for the building configuration. Place a 'X' through unused hoistways. Indicate location of the hall call pushbuttons, door openings and walls, as shown in the example below.

Example drawing of a 3 car group.



Door openings:

F = Front opening

R = Rear opening

Notes:

Hall Call Risers:

H Hall call riser (group)

1	Inconspicuous riser (swing car riser)
---	---------------------------------------

CB Code Blue (hospital service) riser

Notes:

The diagram shows a floor plan on a grid. On the left side, there are two yellow rectangular rooms, each labeled "Elevator". The rest of the grid is empty.

Special instructions:

Remote PC #2