



A **VANTAGE** Company

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



Controller Data Forms

Project Data

Pixel Master Data Forms.xls

Revised 11/24/2020

Page 1 of 8

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:

Contractor Information:

Company:

Contact Name:

Address:

City:

State:

Zip Code:

Phone:

Fax:

Email:

☐ Yes

☐ No

Job Specifications

☐ Yes

☐ No

Specifications have been sent to EC

Consultant:

Contact:

Phone:

Fax:

Email:

Installation Type:

☐

New Construction

☐

Modernization

Duty Type:

☐

Passenger

☐

Service

☐

Freight

Building Classification:

☐ Office

☐ Government

☐ School or University

☐ Other:

☐ Hotel, Apartment, Condo

☐ Hospital/Medical Facility

☐ Prison/Jail

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

☐ GSA/Federal

☐ Michigan

☐ Other:

☐ Nebraska

☐ New York City

☐ Washington (Seattle)

☐ 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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Controller Data Forms

Hoistway Data

Pixel Master Data Forms.xls	Revised 11/24/2020	Page 2 of 8
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																								
22																								
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16																								
15																								
14																								
13																								
12																								
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="checkbox"/>		Floor Label:		<input type="checkbox"/>			
Speed: <input type="checkbox"/> fpm <input type="checkbox"/> m/s																								
Total Travel <input type="checkbox"/> ft <input type="checkbox"/> m																								
Traveler* <input type="checkbox"/> ft <input type="checkbox"/> m																								

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.



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Controller Data Forms

Door Information

Pixel Master Data Forms.xls

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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: _____

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: _____

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: _____

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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Controller Data Forms

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:



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Controller Data Forms

Machine Room Data - Traction AC

Pixel Master Data Forms.xls

Revised 11/24/2020

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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

Machine: ☐ Existing ☐ New ☐ New from EC

Brand: _____

Location: ☐ Overhead ☐ Basement ☐ MRL

Type: ☐ Geared: _____

☐ Gearless: ☐ PM (Perm. Magnet) ☐ Induction

Roped: ☐ 1:1 ☐ 2:1 ☐ Underslung

☐ Ropes are 8mm (0.315") diameter or smaller

Main Brake:

☐ DC ☐ AC single phase ☐ AC 3-phase

Number of brake coils: ☐ 1 ☐ 2 ☐ Other _____

Per coil voltage and resistance measurements:

Voltage Picking: _____ Voltage Holding: _____

Resistance: _____ ohms ☐ Measured ☐ Data

If measured: ☐ Hot ☐ Cold

Contact on Brake: ☐ N/O (closed = brake is picked)

☐ N/C (open = brake is picked)

Emergency Brake (required on A17.1-2000 and later):

☐ Rope brake: ☐ Hollister Whitney ☐ Draka RB500

☐ Other Brand: _____ Model: _____

☐ Independent brake on machine # of coils: _____

Voltage picking: _____ Voltage Holding: _____

Resistance: _____ Ohms

Other (explain): _____

Additional Requirements:

☐ Isolation Xfrmr ☐ By EC Nema rating: _____

☐ Line reactor

☐ Motor choke or output filter

☐ AC Regenerative Drive

☐ Machine blower: _____ FLA: _____

Voltage: _____ ☐ AC ☐ DC Phase: _____

☐ Governor with remote set & reset solenoids:

Voltage: _____ ☐ AC ☐ DC FLA: _____

☐ Jawless governor (rope slack switch)

Reduced stroke buffers: Buffer rating: _____ fpm

☐ Counterweight safety

☐ Battery Power Rescue

☐ By EC Nema rating: _____

☐ MRL Test/Rescue System with Video

Hoist Motor: ☐ Existing ☐ New ☐ New from EC

Motor brand: ☐ Reuland ☐ Magil (Reliance)

☐ Imperial ☐ TorinDrive

☐ Other: _____

Induction Motor Data

HP: _____ Voltage: _____

Frequency: _____ Hz. FLA: _____ NLA: _____

Full Load RPM: _____ Synchronous RPM: _____

Number of poles: _____ Model #: _____

Motor mounting: ☐ Foot ☐ Flange

Shaft style: ☐ Straight ☐ Tapered

PM Motor Data

HP: _____ Rated Frequency: _____ Hz.

Rated Voltage: _____ Rated Amps: _____

Peak Voltage: _____ Peak Amps: _____

Number of poles: _____ RPM: _____

Model #: _____

Velocity Encoder:

☐ Existing ☐ New ☐ New by EC

(If New by EC) Live motor shaft diameter: _____

Brand: _____ Model: _____

Encoder Pulses: _____ PPR

Encoder Cable provided by:

☐ Customer ☐ By EC Length: _____ ft.

(if by EC)

NEMA 1 Enclosure Sizes (includes resistor box):

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 possible.

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

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

☐ 77"H x 36"W x 13"D (floor mount & single door)

☐ 77"H x 36"W x 17"D (floor mount & single door)

☐ 77"H x 47"W x 17"D (floor mount & double door)

☐ Hinged door option

☐ Legs for floor-mounting a wall-mount enclosure

☐ 12" (single) ☐ 24" (double)

Additional Information: _____



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Controller Data Forms

Machine Room Data - Traction DC

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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

Machine: ☐ Existing ☐ New

Brand: _____

Location: ☐ Overhead ☐ Basement ☐ MRL

Type: ☐ Geared: _____

☐ Gearless

Roping ☐ 1:1 ☐ 2:1 ☐ Underslung

☐ Ropes are 8mm (0.315") diameter or smaller

Brake:

☐ DC ☐ AC single phase ☐ AC 3 phase

Number of brake coils: ☐ 1 ☐ 2 ☐ Other _____

Per coil voltage and resistance measurements:

Voltage Picking: _____ Voltage Holding: _____

Resistance: _____ ohms ☐ Measured ☐ Data

If measured: ☐ Hot ☐ Cold

Contact on Brake: ☐ N/O (closed = brake is picked)

☐ N/C (open = brake is picked)

Emergency Brake (required on A17.1-2000 and later):

☐ Rope brake: ☐ Hollister Whitney ☐ Draka RB500

☐ Other Brand: _____ Model: _____

☐ Independent brake on machine # of coils: _____

Voltage picking: _____ Voltage Holding: _____

Resistance: _____ Ohms

Other (explain): _____

Additional Requirements:

Isolation Transfrmr ☐ By EC Nema Rating: _____

DC Choke ☐ By EC Nema Rating: _____

☐ Machine blower: _____ FLA: _____

Voltage: _____ ☐ AC ☐ DC Phase: _____

☐ Governor with remote set & reset solenoids:

Voltage: _____ ☐ AC ☐ DC FLA: _____

☐ Jawless governor (rope slack switch)

☐ Reduced stroke buffers: Buffer rating: _____ fpm

☐ Counterweight safety

Additional Information: _____

Hoist Motor: ☐ Existing ☐ New

Brand: _____

HP: _____ Voltage: _____ FLA: _____

RPM: _____

Other name plate data: _____

Hoist Motor Shunt Field: _____

Shunt field voltages: _____

Forcing: _____ Running: _____ Standing: _____

Shunt field resistance: _____ ohms # of coils: _____

☐ Measured

☐ Data sheet

☐ Series

☐ Series/parallel

☐ Hot

☐ Cold

Loop Circuit Voltage: (measured at the motor brushes while running)

Up empty car: _____ VDC at speed: _____ fpm

Down empty car: _____ VDC at speed: _____ fpm

Loop Circuit Current: (measured while running)

Empty Car Up: _____ A at speed: _____ fpm

Empty Car Down: _____ A at speed: _____ fpm

Peak currents: Up: _____ A Down: _____ A

Velocity Encoder:

☐ Existing ☐ New ☐ New by EC

(if New by EC) Live motor shaft diameter: _____

Brand: _____ Model: _____

Encoder Pulses: _____ PPR

Encoder Cable provided by:

☐ Customer ☐ By EC Length: _____ ft.

(if by EC)

NEMA 1 Enclosure Sizes (includes resistor box):

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 possible.

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

☐ 77"H x 36"W x 13"D (floor mount & single door)

☐ 77"H x 36"W x 17"D (floor mount & single door)

☐ 77"H x 47"W x 17"D (floor mount & double door)

☐ Hinged door option

☐ Legs for floor-mounting a wall-mount enclosure

☐ 12" (single) ☐ 24" (double)



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Controller Data Forms

Monitoring Data

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Job Name:

EC Job

Number:

☐ Machine Room Monitor (20" LCD is standard)

☐ Other:

The central connection point for the Machine Room PC is located at the PC. Specify lengths for communication cables (Car 1 to PC, Car 2 to PC, Car 3 to PC, etc.).

Allow for an additional 5 feet to permit hookup inside the controller enclosure.

Special Instructions:

☐ Remote Monitoring Station(s):

☐ Interact

☐ Liftnet (IDS)

☐ Single Group

☐ Multi-group

☐ Desktop PC

Quantity:

☐ Laptop PC

Quantity:

Monitor Type:

☐ LCD flat screen (standard)

☐ Other:

Distance from controller to remote PC*: ft.

*If distance is longer than 400ft. repeaters are required.

Remote workstation location(s):

☐ Lobby

☐ Security room

☐ Fire control room

☐ Concierge desk

☐ Other:

Communication media:

☐ Ethernet

☐ Line driver:

☐ By EC

☐ Others

☐ Printer(s) required

Quantity:

Interfaces to 3rd Party Monitoring Systems

☐ Kings III

☐ Schindler Lobby Vision (dry contact interface)

☐ Mitsubishi MeEye (dry contact interface)

☐ Other (describe):

Using the grid layout below to sketch the remote monitoring system required.

Group 1	Group 2	Simplex
Remote PC #1		Remote PC #2