



6150 Warehouse Way, Sacramento, CA 95826
 Phone: (916) 428-1708, Fax: (916) 428-1728
 Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Project Data

Pixel Traction DC Data Forms.xls Revised 3/21/2017 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:** _____

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: _____

Code Compliance United States:
 A17.1-20xx -13 -10 -07 -04
 Other (specify) - _____

Code Compliance International:
 Canada B44- -13 -10 -07 -04
 Other (specify) - _____

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

Additional state or local code compliance:
 Chicago Nebraska
 GSA/Federal New York City
 Michigan Washington (Seattle)
 Other: _____

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: _____

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: _____



6150 Warehouse Way, Sacramento, CA 95826
 Phone: (916) 428-1708, Fax: (916) 428-1728
 Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Hoistway Data

Pixel Traction DC Data Forms.xls Revised 3/21/2017 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	F	R
	Overhead																									
32																										
31																										
30																										
29																										
28																										
27																										
26																										
25																										
24																										
23																										
22																										
21																										
20																										
19																										
18																										
17																										
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="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.



6150 Warehouse Way, Sacramento, CA 95826
 Phone: (916) 428-1708, Fax: (916) 428-1728
 Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Control Features

Pixel Traction DC Data Forms.xls | Revised 3/21/2017 | Page 3 of 8

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 Operation:

Hoistway Access Operation:
 Hoistway access switch in COP (2 position - single pole)
 Top access switch (top landing):
 Location: Front Rear
 Bottom access switch (bottom landing):
 Location: Front Rear

Top & bottom hoistway access switches can be single pole.
 Down & Up hoistway access limits via Pixel Landa.

In-Car Inspection Operation:

Requires In-Car Inspection switch (2 position - single pole), Enable button, and separate Up & Down buttons inside elevator cab for operation on In-Car Inspection.

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:
 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: _____



6150 Warehouse Way, Sacramento, CA 95826
 Phone: (916) 428-1708, Fax: (916) 428-1728
 Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Machine Room Data - Traction DC

Pixel Traction DC Data Forms.xls	Revised 3/21/2017	Page 6 of 8
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

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 Transfrm 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)



6150 Warehouse Way, Sacramento, CA 95826
 Phone: (916) 428-1708, Fax: (916) 428-1728
 Email: sales@elevatorcontrols.com

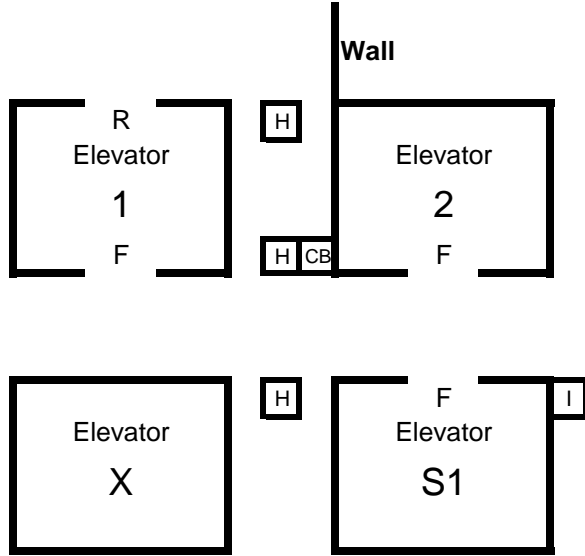
Traction DC Controller Data Forms

Hoistway Layout

Pixel Traction DC Data Forms.xls	Revised 3/21/2017	Page 7 of 8
Job Name:	EC Job Number:	

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.



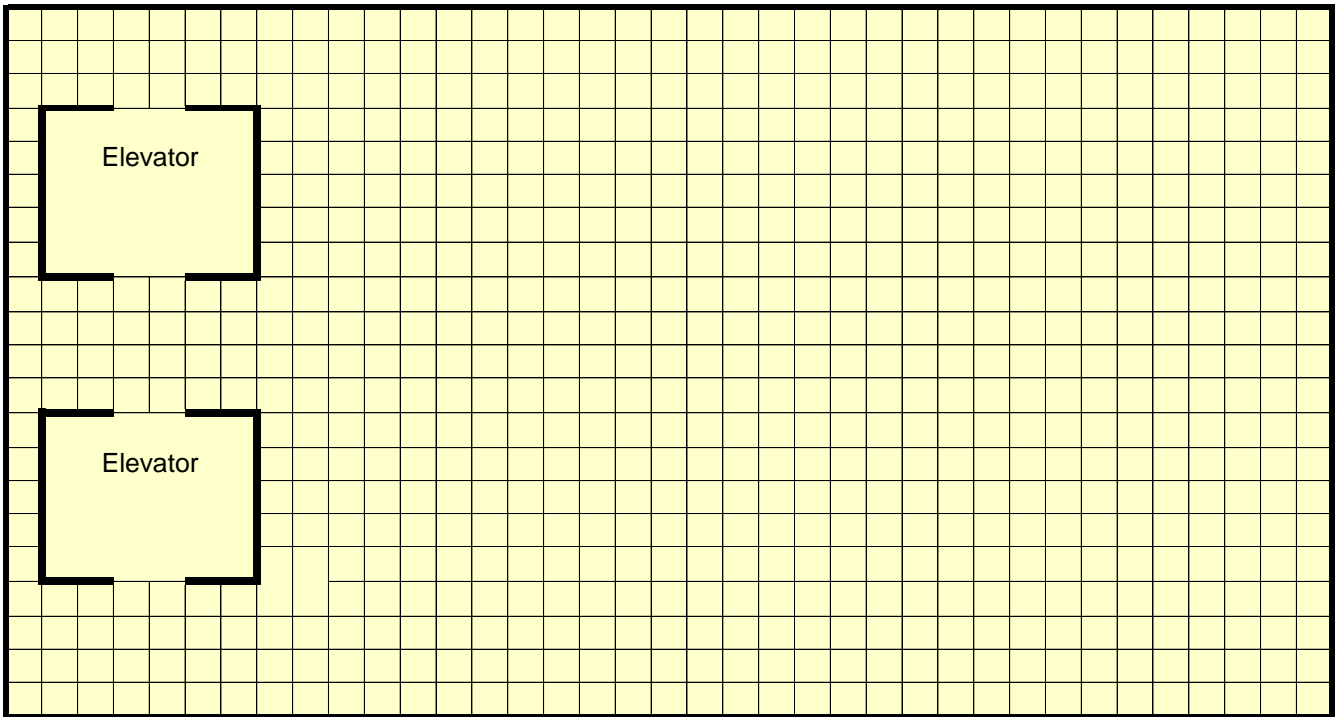
Door openings:
 F = Front opening
 R = Rear opening

Notes: _____

Hall Call Risers:

- H Hall call riser (group)
- I Inconspicuous riser (swing car riser)
- CB Code Blue (hospital service) riser

Notes: _____



Special instructions: _____

