



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 Form.xls	Revised 9/23/14	Page 1 of 8
Job Name: _____		EC Job Number: _____

Date Received: _____

Instructions:

1. Please fill out these data forms as completely as possible. Pixel-DC standard lead time of 12 weeks. Incomplete data may delay delivery.
2. A blank or no selection will be considered as item non-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 ECC
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:
 Ship to the contractor office address above
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

Code Compliance United States:
 ASME A17.1- 2010 2007 2004
 ASME A17.1- _____

Code Compliance International:
 Canada B44- 2010 2007 2004
 Other (specify) - _____

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

Additional Compliance Requirements? Explain

Delivery Schedule (Pixel-DC standard lead time of 12 weeks)	
Controller	Delivery Date (on site)
Car	_____
Car	_____
Car	_____
Car	_____
Group	_____
Cross Cancel or Reg. Panel	_____

Data Forms Completed By:
Name/Title: _____
Phone: _____ **Fax:** _____
Mobile: _____
Email: _____
Company: _____
Signature: _____



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Traction DC Controller Data Forms

Hoistway Data

Pixel Traction DC Data Form.xls Revised 9/23/14 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																										
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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																										

Number of Hoistways: 1 2 _____ Rail Size (lbs): 10-12 15-18



EC provided Landa (absolute position system): Two independent tape readers optically scan a uniquely coded stainless steel tape to provide the elevator location within 0.8mm.

The U-shaped tape readers are contact-free eliminating mechanical wear and tape guide noise. Door zone & absolute floor encoding (AFE) magnets, terminal slowdown and normal limit switches are not required.

Hoistway NEMA 1 rated, 0.8mm position resolution, speeds up to 2,000fpm and maximum length 1,030 feet.

Final limit switches required (2 total) by EC: (mechanical*)

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

Control Features

Machine room space limitations H W D
 Explain: _____

Refer to page 6 of data forms, for applicable enclosure sizes (NEMA 1 only).

Controller NEMA Rating Requirement:

1 (standard) 12 4 4X
 Air conditioned enclosure
 (recommended for all except NEMA 1)

Type of Operation:

Simplex:
 Selective Collective
 Down Collective

Group Number of Cars: _____

Use the G900 group dispatcher for 2 or more cars.
 Length of grouping cable(s) required: _____ ft.
 Allow for an additional 5 feet at each end to permit hookup inside controller enclosure. (Interconnects between controllers and group)

Number of hall call risers: _____

Swing Car Operation: Car(s): _____
 Key switch in car Key switch in hall

Cross Cancellation Panel Cross Reg. Panel

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) inside COP and separate up & down buttons for car movement.

Attendant Operation
 Car to Lobby Switch: Car Hall Other _____
 Park with doors: Open Closed
 Return Landing #: _____ Floor Label: _____

Earthquake Operation:
 Seismic switch Counterweight derailment device
 Car operates on fire or hospital service (reduced speed)
 Car adjacent to counterweight position via Pixel Landa

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 switch is not in view of the elevator entrance(s).

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:
 Hospital phase 2 switch Independent service switch
 Other (explain): _____

Independent Service Switch: Car (std.) Hall
 Load Weighing: By EC Others: _____
 EMCO _____ K-Tech strain gauge
 Discrete load weigher signals (dry contacts):
 Hall call bypass Anti-nuisance Overload

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
 Bypass Security: (bypass on fire service is standard)
 Independent Service Attendant Service
 Other: _____

Shutdown Switch: Car Hall

Additional features required: _____



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Machine Room Data - Traction DC

Pixel Traction DC Data Form.xls Revised 9/23/14 Page 6 of 8
 Job Name: _____ EC Job Number: _____

Controller Type:

Pixel-DC (standard)
 Closed Loop Position Velocity Feedback System

DC Drive Type:

Magnetek DSD 412 Magnetek Quattro

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

Roped: 1:1 2:1

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 sheet
 If measured: Hot Cold
 Contact on Brake: N/O (closes when brake is picked)
 N/C (opens when brake is picked)

Emergency Brake: (required on ASME 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 transformer required: By EC Others
 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)
 Up empty car: _____ A at speed: _____ fpm
 Down empty car: _____ A at speed: _____ fpm
 Peak current: Up: _____ A Down: _____ A

Velocity Encoder:

Existing New New by EC
 Brand: _____ Model: _____
 Encoder Pulses: _____ PPR
 Encoder Cable:
 Customer provided EC Provided
 If EC provided please specify cable length required:
 _____ ft.

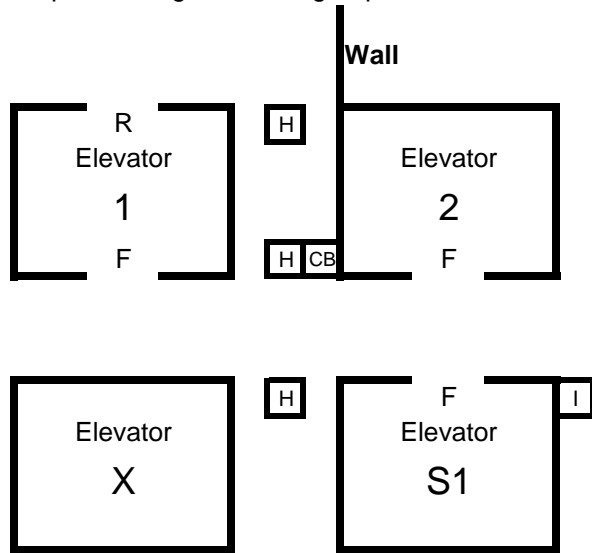
Enclosure Sizes (Nema 1) includes resistor box:

Select a Nema 1 enclosure, if a specific size is required. Based on the required features Elevator Controls will determine if the required components will fit within the selected enclosure. If no selection is made, Elevator Controls will select the smallest enclosure for the required features.

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)

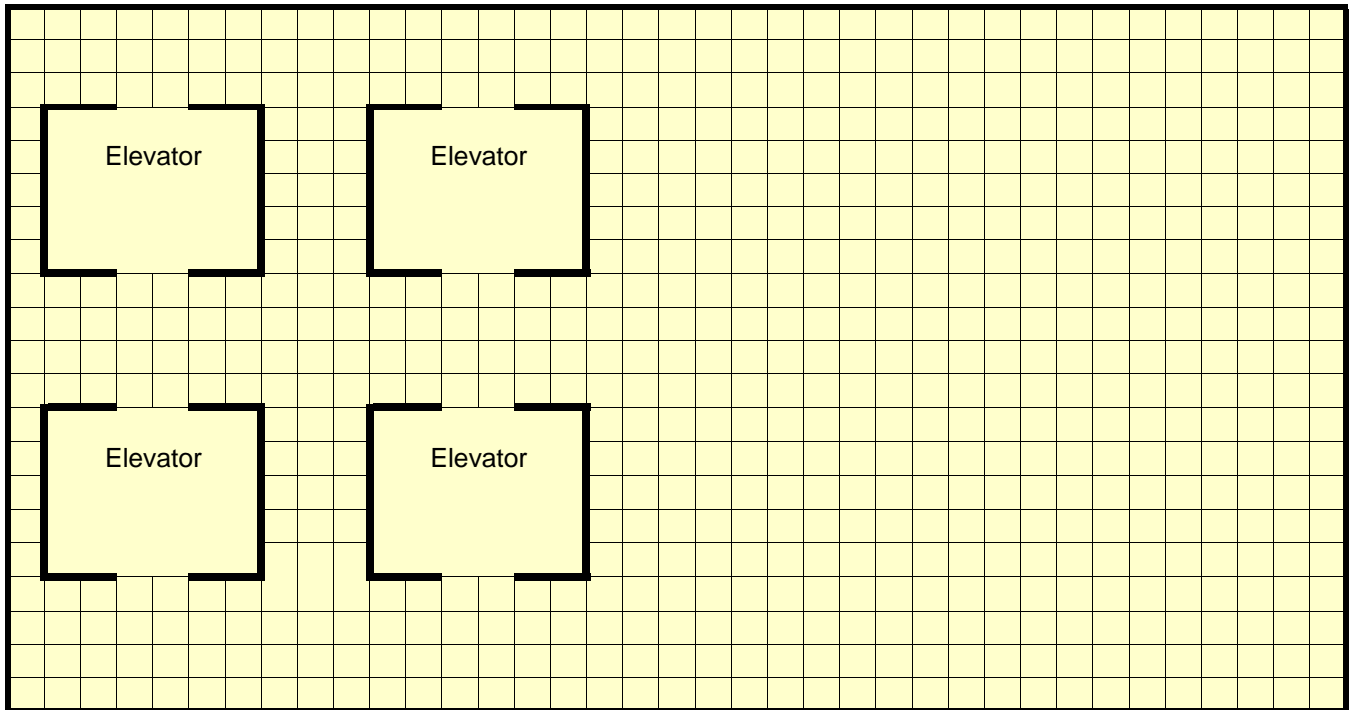
Using the grid layout below, identify each elevator by a number/name as appropriate for the building configuration. Place a 'X' through unused hoistways. Indicate location of the hall call pushbuttons, door openings and walls, as shown in the example below.

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: _____

