

Hydraulic Controller Data Forms

Project Data

EC Data Form.xls	Revised 11/23/11	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 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: _____

Code Compliance United States:

ASME A17.1- 2010 2007 2004
 ASME A17.1-1996/98
 ASME A17.1- _____

Code Compliance International:

Canada B44- 2010 2007 2004
 Other (specify) - _____

Notice Required:

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

Additional state or local code compliance:

California OSHPD Medical Facility Certification Req.
 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 Cancel or Reg. Panel	

Data Forms Completed By:

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

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Hoistway Data

Instructions:

1. Place an "X" in the appropriate box to indicate a floor opening. (F=Front & R=Rear)
2. To ensure proper selector application, indicate all floor to floor heights.
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.		S.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	F	R	F	R
	Overhead																													
32																														
31																														
30																														
29																														
28																														
27																														
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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 Operation) S.R. = Special Riser (attach explanation)															
Total Travel <input type="checkbox"/> ft <input type="checkbox"/> m																														

Number of Hoistways: 1 2 _____ Hoistway NEMA Rating: 1 (standard) 12 4 4X

Selector: By EC Customer Provided Selector Type: IP8300 (tape) Switch and Vane
IP8300 Tape Type: Steel (standard) Poly coated Stainless Steel

Rail Size (lbs): 10-12 15-18 22-30 TM Switch (music box)

Terminal slowdown limit switches by EC: Mechanical* # of switches required:

8 Cartop magnetic 14 Cartop magnetic 18 Cartop magnetic

Final limit switches by EC: (mechanical*)

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

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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 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
 SAPB Single Automatic Pushbutton
 Single Button Collective
 Down Collective
 Duplex Selective Collective
 Group Number of Cars: _____
Length of duplexing or grouping cable(s) required: _____ ft.
Allow for an additional 5 feet at each end to permit hookup inside controller enclosure. (Interconnects between controllers and/or 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:
 Top access switch (top landing):
Location: Front Rear
 Bottom access switch (bottom landing):
Location: Front Rear
Top & bottom access switches are required to be 2 pole.
 In-Car Inspection Operation:
Requires a switch in the C.O.P. to enable In-Car Insp. and separate up & down buttons for car movement.

HW Access & In-Car Inspection Sw. Type (COP):

Hoistway access switch (2 position - 1 pole)
 In-Car inspection switch (2 position - 1 pole)
 Combo. HW access & In-Car insp. (3 position - 2 pole)

Absolute Floor Encoding (AFE) (A17.1-07 & CA required)
 Attendant Operation: Annunciator panel in car
 Car to Lobby Switch: Car Hall Other _____
Park with doors: Open Closed
Return Landing #: _____ Floor Label: _____

Earthquake Operation:
 Seismic switch Counterweight derailment device
 Car adjacent to counterweight switch
 Car operates on fire or hospital 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 switch is not in view of the elevator entrance(s).

Emergency Medical Technician Service (EMT):
Return Landing #: _____ Floor Label: _____
 Fan & Light Timer Operation
 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: _____
 K-Tech strain gauge: Model: _____
 Discrete load weigher signals (dry contacts):
 Hall call bypass Anti-nuisance Overload

Pit Flood Operation Recall Landing #: _____ Floor Label: _____

Sabbath Operation

Security (check applicable requirements below)
 EC standard security (utilizing COP car call combinations)
 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: _____

Anti-Terrorism Control
 Baby Abduction Interact Security Control
 Special Security: _____

Shutdown Switch: Car Hall
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 Ph. _____
Current: _____ A Description: _____

Automatic Passenger Door Operators:

Place an "X" in the appropriate box to indicate

F	R	door operator. (F = Front and R = Rear)
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOVFR: <input type="checkbox"/> 230V <input type="checkbox"/> 115V
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOD (shunt wound): <input type="checkbox"/> 230V <input type="checkbox"/> 115V
<input type="checkbox"/>	<input type="checkbox"/>	GAL MODPM: <input type="checkbox"/> 230V <input type="checkbox"/> 115V
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOM/MOH
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOCT/MOCTA: <input type="checkbox"/> 230V <input type="checkbox"/> 115V
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOSVCL/MOMSVL/MOHSVL
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOA
<input type="checkbox"/>	<input type="checkbox"/>	GAL MOMCT/MOHCT: <input type="checkbox"/> 230V <input type="checkbox"/> 115V
<input type="checkbox"/>	<input type="checkbox"/>	GAL MODCT/MOCT: <input type="checkbox"/> 240V <input type="checkbox"/> 120V
<input type="checkbox"/>	<input type="checkbox"/>	MAC PM-SSC
<input type="checkbox"/>	<input type="checkbox"/>	MAC Old Style
<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"/>	Schindler QKS: <input type="checkbox"/> 14 <input type="checkbox"/> 15
<input type="checkbox"/>	<input type="checkbox"/>	Dover Type D
<input type="checkbox"/>	<input type="checkbox"/>	Dover: <input type="checkbox"/> DC62 <input type="checkbox"/> DC68
<input type="checkbox"/>	<input type="checkbox"/>	Dover: <input type="checkbox"/> HD70 <input type="checkbox"/> HD73 <input type="checkbox"/> HD91 <input type="checkbox"/> HDLM
<input type="checkbox"/>	<input type="checkbox"/>	Otis Type "F"
<input type="checkbox"/>	<input type="checkbox"/>	Otis: <input type="checkbox"/> 20S <input type="checkbox"/> 30S
<input type="checkbox"/>	<input type="checkbox"/>	Otis 6970A: <input type="checkbox"/> Reactance <input type="checkbox"/> Resistance
<input type="checkbox"/>	<input type="checkbox"/>	Otis 7300 (220VAC, 3PH)
<input type="checkbox"/>	<input type="checkbox"/>	Otis A7770A
<input type="checkbox"/>	<input type="checkbox"/>	Otis AT400
<input type="checkbox"/>	<input type="checkbox"/>	Otis 7782AA
<input type="checkbox"/>	<input type="checkbox"/>	Westinghouse Type B w/ retiring cam
<input type="checkbox"/>	<input type="checkbox"/>	Westinghouse Type E (120VDC)
<input type="checkbox"/>	<input type="checkbox"/>	Atlantic Tech <input type="checkbox"/> 9001 <input type="checkbox"/> 9003
<input type="checkbox"/>	<input type="checkbox"/>	IPC Encore (closed loop)
<input type="checkbox"/>	<input type="checkbox"/>	Fermator
<input type="checkbox"/>	<input type="checkbox"/>	Haughton: Model: _____
<input type="checkbox"/>	<input type="checkbox"/>	R & R
<input type="checkbox"/>	<input type="checkbox"/>	MCE Smartraq
<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) 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

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: _____ AC DC Ph. _____
Current: _____ A Notes: _____

Power Freight Doors: non-standard & freight doors prints are required

Door operator wiring diagrams have been sent to ECC*

Courion: New Existing* Model: _____

EMS: New Existing* Model: _____

Peele: New Existing* Model: _____

Other: New Existing* Model: _____

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: _____

Job Name:

EC Job Number:

Controller Type: H900 H800

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.

Motor Starting: (single ph. line voltage use solid state or ATL only)

Stand alone reverse phase sensor included on all starters except, solid state starter (built-in) and single phase systems.

By EC
 Customer supplied starter:
 Brand: _____ Model: _____

Remote

Leave space inside the controller:
 Dimensions required: _____ H _____ W _____ D

Solid State Sprecher+Schuh (standard)
 Siemens (Nordic)
 (additional cost for a Siemens Solid State Starter)

3/9 lead motor 6/12 lead motor

WYE-Delta
 ATL (across the line)
 Other*: _____

*Wiring diagrams are required.

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
 (Discrete oil pressure switches for load weighing)

Battery powered lowering device:

By EC Customer supplied*
 *If customer supplied model: _____

Passenger doors Power freight doors

Mount inside controller (standard)

Remote

Leave space inside the controller:
 Dimensions required: _____ H _____ W _____ D

Enclosure Sizes (Nema 1):

- 36"H x 22"W x 16"D (Prodigy)
 30"H x 36"W x 8"D (standard)
 38"H x 36"W x 10"D
 48"H x 36"W x 14"D

Additional Information: _____

Valve Data:

Brand: Maxton EECO Blain
 TKE/Dover Bucher GMV
 Other: _____

Model: _____

Number of valves: 1 (standard) 2 3 4 _____

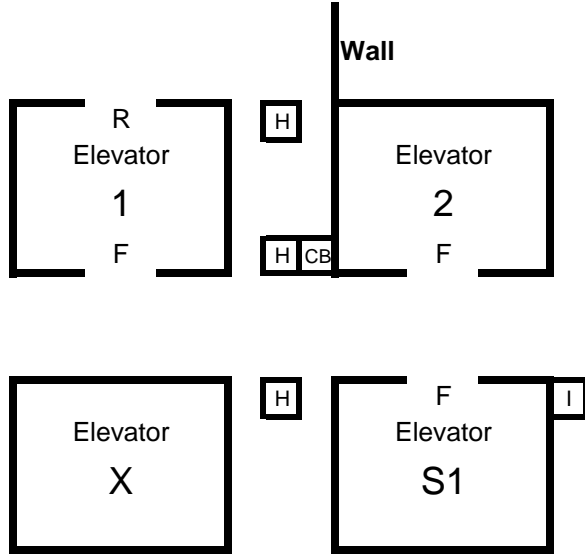
Coils per valve: 1 2 3 4 (standard) _____

Valve voltage: 120VAC (standard) Other: _____ AC DC

Note: If voltage is not specified 120VAC will be provided:

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.



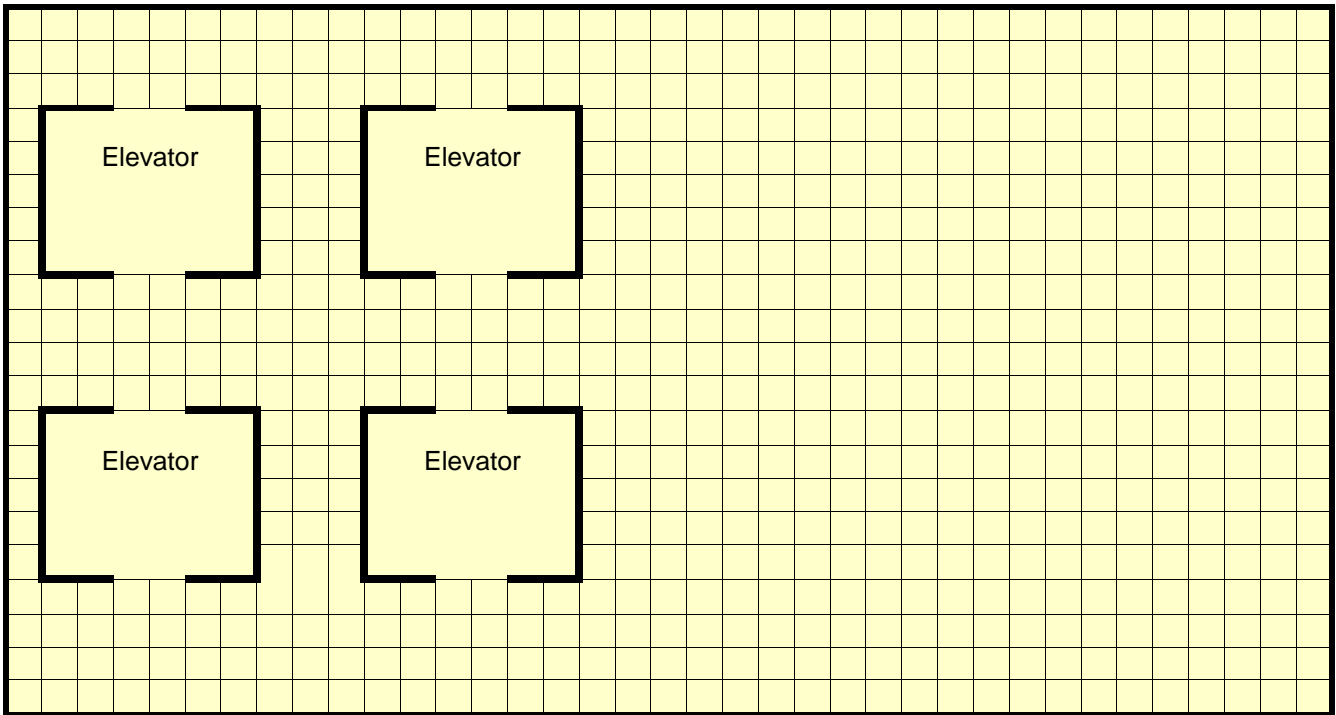
Door openings:
F = Front opening
R = Rear opening

Notes: _____

Hall Call Risers:

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

Notes: _____



Special instructions: _____

Monitoring Data

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Job Name:		EC Job Number:

Machine Room Monitor 19"LCD flat screen
 Other: _____

Special Instructions: _____

Remote Monitoring Station:
 Interact Liftnet (IDS) Kings III
 Single Group Multi-group
 Desktop PC Quantity: _____
 Laptop PC Quantity: _____
 Monitor Type:
 19" LCD flat screen (standard)
 Other: _____

Distance from controller to remote PC*: _____ ft.
 *If distance is longer than 400ft. repeaters are required.

Location:
 Lobby Security room
 Fire control room Concierge desk
 Other: _____

Communication media:
 Ethernet
 Line driver: By ECC Others
 Modem: By ECC Others

Printer required

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

