ELEVATOR EC CONTROLS SIMPLE. SOLID. SUPPORTABLE.
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

EC Job Number:

Date Received:

Instructions:

1. Please complete data forms as completely as possible. Incomplete data may delay delivery.
2. A non-response to a question will be considered as non-applicable to this project.
3. All applicable data should be measured on existing equipment, which is to be retained.
4. The bottom landing shall be referred to as the 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:

Shipping Information:

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

Notice Required:
☐ 24 Hours ☐ 48 Hours ☐ Other:
☐ Lift gate truck required

Contractor Information: ☐ Same as shipping info.

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

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

☐ Same as above shipping information

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

Installation Type: ☐ New Construction ☐ Modernization

Duty Type: ☐ Passenger ☐ Service ☐ Freight

Building Classification:
☐ Office ☐ Hotel, Apartment, Condo
☐ Hospital ☐ School or University
☐ Other:

Code Compliance United States:

Emergency Brake Required
ASME A17.1- ☐ 2007 ☐ 2004 ☐ 2000

☐ ASME A17.1-

Code Compliance International:

Canada B44- ☐ 2007 ☐ 2004 ☐ 2000
☐ Other (specify)

Additional state or local code compliance:

☐ Chicago ☐ Michigan
☐ GSA ☐ New York City
☐ Other
☐ 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:

ELEVATOR EC CONTROLS SIMPLE. SOLID. SUPPORTABLE.
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

EC Job Number: _

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
	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: ☐ lbs ☐ kg																												
Speed: ☐ fpm ☐ m/s																												
Total Travel ☐ ft ☐ m																												

Lobby landing #: _____ Floor Label: _____

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)

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

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

☐ Final limit switches by EC: (mechanical*)

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

ELEVATOR EC CONTROLS SIMPLE. SOLID. SUPPORTABLE.
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

☐ 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

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:
- ☐ Using top & bottom car calls (2nd pole of P/B)
- ☐ Using separate up & down buttons

In-Car Access & Inspection Switch Type (COP):
☐ Access/In-Car insp. switch (3 position - two pole)
☐ Access switch (2 position - single pole)
☐ In-Car inspection switch (2 position - single 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: ____

☐ 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

☐ 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: ____

ELEVATOR EC CONTROLS SIMPLE. SOLID. SUPPORTABLE.
6150 Warehouse way, Sacramento, CA 95826
Phone: (916) 428-1708, Fax: (916) 428-1728
Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Indicators

1. If fixture voltage is not selected on data forms, controller will be built for 110VAC, unless Ez-LINK2.
2. Ez-LINK2 (serial COP and hall calls) require fixtures to be 24VDC, 6 watts maximum.

Car Call Registration Indicators: (non serial)
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC
☐ Auxiliary COP # of car stations per car: ____

Hall Call Registration Indicators: (non serial)
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC

Ez-LINK2: (serial communication 24VDC, 6W max)
☐ Car Operating Panel (COP) ☐ Hall Calls

☐ Passing Floor Chime:
☐ EC 3-wire serial interface ☐ C.E. ☐ E-Motive
☐ Discrete Signal:
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC
☐ Passing floor enable button ("S" button)

Position Indicators:
☐ Car position indicator:
☐ EC 3-wire serial interface ☐ C.E. ☐ E-Motive
☐ Discrete Signals:
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC
☐ Multi-light w/ direction arrows
☐ Digital: (standard active low signal format)
☐ One line per floor ☐ Binary*
*Binary signals begin at 0000 = bottom landing.

☐ Hall position indicator:
Location(s): ☐ Main Fire ☐ All Floors
☐ Other: ____
☐ EC 3-wire serial interface ☐ C.E. ☐ E-Motive
☐ Discrete Signals:
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC
☐ Multi-light w/ direction arrows
☐ Digital: (standard active low signal format)
☐ One line per floor ☐ Binary*
*Binary signals begin at 0000 = bottom landing.

☐ Voice annunciation device:
☐ ECC 3-wire serial interface ☐ C.E. ☐ E-Motive
☐ Other: ____
Voltage: ____ ☐ AC ☐ DC
Signals required: ____

Lanterns:
☐ Car lanterns: ☐ Chime ☐ Gong
☐ EC 3-wire serial interface ☐ C.E. ☐ E-Motive
☐ Discrete Signal: Bulb wattage: ____ W
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC

☐ Hall lanterns: ☐ Chime ☐ Gong
Location(s): ☐ All floors ☐ Lobby only ☐ ____
☐ EC 3-wire serial interface ☐ C.E. ☐ E-Motive
☐ Discrete Signal: Bulb wattage: ____ W
☐ 110V ☐ 24V ☐ Other: ____
☐ AC ☐ DC

Status Indicators:

Indicator description:	110V	24V	Other:	AC	DC
☐ Attendant light	☐	☐	☐	☐	☐
☐ Attendant buzzer	☐	☐	☐	☐	☐
☐ Attendant Annunciator Panel	☐	☐	☐	☐	☐
☐ Car call registration buzzer	☐	☐	☐	☐	☐
☐ Door close warning buzzer	☐	☐	☐	☐	☐
☐ Door hold light	☐	☐	☐	☐	☐
☐ Door left open bell	☐	☐	☐	☐	☐
☐ Earthquake light	☐	☐	☐	☐	☐
☐ Earthquake buzzer	☐	☐	☐	☐	☐
☐ Emergency power light	☐	☐	☐	☐	☐
☐ EMT light (car & hall)	☐	☐	☐	☐	☐
☐ Fire service light	☐	☐	☐	☐	☐
☐ Fire service buzzer	☐	☐	☐	☐	☐
☐ Heavy load light	☐	☐	☐	☐	☐
☐ Hospital service light (COP)	☐	☐	☐	☐	☐
☐ In-use light	☐	☐	☐	☐	☐
☐ Nudging buzzer	☐	☐	☐	☐	☐
☐ Out of service light	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐
☐	☐	☐	☐	☐	☐

Notes: ____

Fixture Manufacturer: ____
JOB P.O. Number: ____
Contact Name: ____
Phone #: ____ Email: ____

ELEVATOR EC CONTROLS SIMPLE. SOLID. SUPPORTABLE.
6150 Warehouse way, Sacramento, CA 95826
Phone: (916) 428-1708, Fax: (916) 428-1728
Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Door Information

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

Automatic Passenger Door Operators:

Place an "X" in the appropriate box to indicate

F	R	door operator. (F = Front and R = Rear)				
☐	☐	GAL MOVFR:	☐ 1	☐ 2		
☐	☐	GAL MOD (shunt wound):	☐ 230V	☐ 115V		
☐	☐	GAL MODPM (permanent magnet)				
☐	☐	GAL MOM/MOH				
☐	☐	GAL MOCT/MOCTA:	☐ 230V	☐ 115V		
☐	☐	GAL MOSVCL/MOMSVL/MOHSVL				
☐	☐	GAL MOA				
☐	☐	GAL MOMCT/MOHCT:	☐ 230V	☐ 115V		
☐	☐	GAL MODCT/MOCT:	☐ 240V	☐ 120V		
☐	☐	MAC PM-SSC				
☐	☐	MAC Old Style				
☐	☐	ECI:	☐ 895	☐ 1000	☐ 2000	
☐	☐	Schindler QKS:	☐ 14	☐ 15		
☐	☐	Dover Type D				
☐	☐	Dover:	☐ DC62	☐ DC68		
☐	☐	Dover:	☐ HD70	☐ HD73	☐ HD91	☐ HDLM
☐	☐	Otis Type "F"				
☐	☐	Otis:	☐ 20S	☐ 30S		
☐	☐	Otis 6970A:	☐ Reactance	☐ Resistance		
☐	☐	Otis 7300 (220VAC, 3PH)				
☐	☐	Otis A7770A				
☐	☐	Otis 7782AA				
☐	☐	Westinghouse Type B w/ retiring cam				
☐	☐	Westinghouse Type E (120VDC)				
☐	☐	Atlantic Tech	☐ 9001	☐ 9003		
☐	☐	IPC Encore (closed loop)				
☐	☐	Fermator				
☐	☐	Haughton: Model:				
☐	☐	R & R				
☐	☐	MCE Smartraq				
☐	☐	Other:*				

*Please send/provide door operator wiring diagrams.

Door Features:

☐ Infrared detector/dual-beam photo eye unit:
- ☐ 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

Car Gate and Hoistway Doors:

☐ Automatic car gate
☐ Manual car gate
☐ Gate release solenoid: Voltage: ___ V Ph. ___
Current: ___ A Description:

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:

ELEVATOR EC CONTROLS
SIMPLE. SOLID. SUPPORTABLE.
6150 Warehouse way, Sacramento, CA 95826
Phone: (916) 428-1708, Fax: (916) 428-1728
Email: sales@elevatorcontrols.com

V900 Traction DC Controller Data Forms

Machine Room Data - Traction DC

Controller Type: ☐ V900 ☐ V800
- ☐ SCR PVF (closed loop + position velocity feedback)
- ☐ SCR (closed loop)
- ☐ VV-DC MG PVF (closed loop + position velocity feedback)
- ☐ VV-DC-CL MG (closed loop)
- ☐ VV-DC-OL MG (open loop) - Type GMB

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
☐ Other: Brand: _____ Model: _____
☐ Independent brake on machine: # of coils: _____
☐ 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

Motor Generator Set: ☐ Existing ☐ New
Brand: _____
AC Motor Starting:
☐ WYE-Delta ☐ Across the Line
☐ Other: _____
AC Motor Data: Brand: _____
HP: _____ Voltage: _____ Current: _____
RPM: _____
DC Generator Data: Brand: _____
kW: _____ Voltage: _____ Current: _____
Additional data: _____
Generator Shunt Field Voltage: # of coils: _____
Up empty car: _____ VDC at speed: _____ fpm
Down empty car: _____ VDC at speed: _____ fpm
Total generator shunt field resistance: _____ ohms
☐ Measured ☐ Data sheet
☐ Series ☐ Series/parallel
☐ Hot ☐ Cold

Velocity feedback: ☐ By ECC ☐ Others: _____
☐ Encoder:(SCR) Encoder Cable length required: _____ ft.
☐ Tachometer:(MG)
☐ Flange mount ☐ Foot mount

Enclosure Sizes (Nema 1) includes resistor box:
- ☐ 63"H x 36"W x 14"D
- ☐ 77"H x 36"W x 12"D (standard)
- ☐ 77"H x 36"W x 16"D

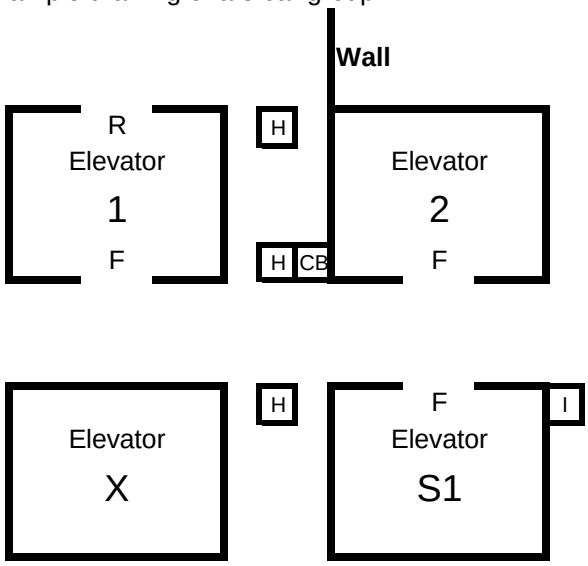
ELEVATOR EC CONTROLS SIMPLE. SOLID. SUPPORTABLE.
6150 Warehouse way, Sacramento, CA 95826
Phone: (916) 428-1708, Fax: (916) 428-1728
Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Hoistway Layout

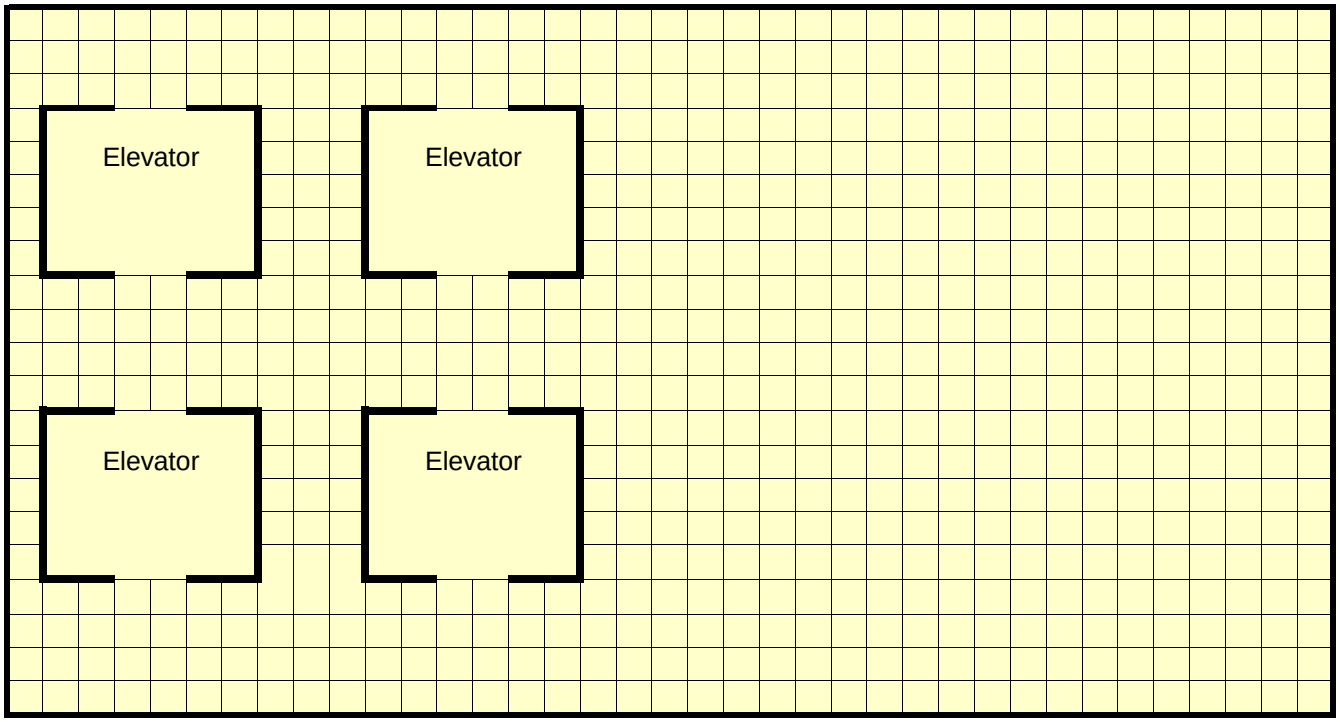
Using the grid layout below, identify each elevator by a number/name as appropriate for the building configuration. Place a 'X" through unused hoistways. Indicate location of the hall call pushbuttons, door openings and walls, as shown in the example below.

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
CB Code Blue (hospital service) riser
Notes:



Special instructions:

ELEVATOR EC CONTROLS
SIMPLE. SOLID. SUPPORTABLE.
6150 Warehouse way, Sacramento, CA 95826
Phone: (916) 428-1708, Fax: (916) 428-1728
Email: sales@elevatorcontrols.com

Traction DC Controller Data Forms

Monitoring Data

☐ Machine Room Monitor 19"LCD flat screen
☐ Other:

☐ Remote Monitoring Station:
☐ Interact ☐ Liftnet (IDS)
☐ 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

Special Instructions:

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