

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

Pixel C	ontroller 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	a furnished herein.	
EC Quote #: P.O. #:	Customer #:	
Job Name:	Yes No Job Specifications Yes No Specifications have been sent to EC	
Job Location:	Consultant:	
Job Address:	Contact:	
Job City:	Phone: Fax:	
Job State: Zip Code:	Email:	
Contractor Information:	Installation Type: New Construction	
Company:	Modernization	
Contact Name:	Duty Type: Passenger Service Freight	
Address:	Building Classification:	
City:	Office Hotel, Apartment, Condo	
State: Zip Code:	Government Hospital/Medical Facility	
Phone: Fax:	School or University Prison/Jail	
Email:	Other:	
Shipping Information:	Code Compliance United States:	
Company:	A17.1-20xx -16 -13 -10 -07 -04	
Contact Name:	Other (specify) -	
Shipping Address:	Other (appeary)	
	Code Compliance International:	
Email:	Other (specify) -	
Notice Required:	Additional state an least and a constitue of	
24 Hours 48 Hours Other:	Additional state or local code compliance:	
Shipping Method: Ground Air	Chicago Nebraska	
Lift gate truck required	GSA/Federal New York City	
Motor(s) ship to address (if supplied by EC):	Michigan Washington (Seattle)	
Motor Reference #:	Other	
Same as above shipping information		
Contact Name:	Additional Compliance Requirements? Explain	
Shipping Address:		
City: State: Zip Code:		
Phone: Fax:		
Email:		
Delivery Schedule		
Controller Delivery Date (on site)	Data Forms Completed By:	
Car	Name/Title:	
Car	Phone: Fax:	
Car	Mobile:	
Car	Email:	
Group	Company:	
Cross Registration Panel	Signature:	



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Pixel Con	troller Data Forms	
Hoistway Data		
Pixel Master Data Forms.xls	Revised 11/24/2020 Page 2 of 8	3
Job Name:	EC Job Number:	

Standard hoistway equipment is NEMA 1 Other:

#### Instructions:

Traveler\*

Number of Hoistways: 1

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- 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 CODE Car Hall I.R. C.L. C.L. **BLUE** Building Elevator ID: LDG Floor Floor F F F R F F R F R R F R F R R R R R R Label # Height 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 Lobby landing #: Capacity: lbs Floor Label: kg Car C.L. = Car Call Lockout Floor Speed: fpm m/s Hall C.L. = Hall Call Lockout Floor I.R. = Inconspicuous Riser (Swing Op.) Total Travel ft Kellems Grips (total qty):

	Final limit switche	es by EC (needed for traction elevators only, 2 total, cam by others)**
-	anda	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.

<sup>\*</sup>Specify travel cable length if ordering **Pixel custom travel cable (optional)**. Specify length needed per car.

<sup>\*\*</sup>Mechanical (LS1) final limit switches come with standard 15lbs rail brackets and hardware.



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## **Controller Data Forms**

Control Features

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EC Job
Number: Job Name:

Machine room space limitations H W D	Attendant Operation Annunciator panel in car
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  Down Collective  Group  Number of Cars:	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: A17.1-16 compliance (HW scan switch, indicators, etc.) 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)
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	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)
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	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 Other (explain):
Fire Service Operation:  Fire Service Phase I:  3 position keyswitch  2 position keyswitch  Fire Service Phase II (3 position keyswitch)  Main Recall Landing #:  Doors will open at:  Front  Rear  Alt. Recall Landing #:  Floor Label:	Independent Service Switch:  Car (std.)  Hall  Load Weighing:  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
Doors will open at: Front Rear  Additional Fire Recall Switch: Location Landing #: Floor Label: Inspection/Hoistway Access Operations: In-Car Inspection Operation Hoistway Access Operation Top access switch (top landing): Location: Front Rear	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
Bottom access switch (bottom landing): Location: Front Rear  In-Car Switch Type(s): 2-position Access Enable Switch 2-position In-Car Inspection Switch 3-position Inspection and HW Access switch  Operation on In-Car Inspection requires an Enable button and separate Up & Down buttons inside elevator cab.	Additional features required:



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*Pixel Co	ontroller Data F	orms
Indicators		
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Job Name:	EC Job	

### The Pixel control system requires all fixtures to be 24VDC, 3-6 watts maximum.

Car Call Registration Indicators:	Miscellaneous Fixtures (24VDC, 3W max.):
Pixel Standard - CAN communication to COP	Indicator description:
Auxiliary COP(s)	Emergency power light (Hall)
# of car stations per car:	Emergency power panel lights
Hall Call Registration Indicators:	Fire service light (COP & Hall)
Pixel Standard - CAN communication to HALL	Fire control panel (provide fixture prints/details)
Hall Calls through CAN Communication	Heavy load light (Hall)
Hall Calls through discrete I/O	Hospital service light (COP)
Number of hall call risers:	Hospital service buzzer (COP)
If more than 2 hall call risers, please explain	In-use Lights
on page 7 (Hoistway Layout).	Lobby control panel (provide fixture prints/details)
Passing Floor Chime:	Overload light / buzzer (COP)
EC 3-wire C.E. Micro Comm EC 3-wire E-Motive	
Pixel COP (24VDC, 6W max.)	
Passing floor enable button ("S" button)	
Position Indicators:	
EC 3-wire C.E. Micro Comm EC 3-wire E-Motive	
EC DL-20 E.C.C.	
PI CAN network interface	
MAD VEGA E-Motive HM	
ELEVAKE Other:	CAN Serial Hall Call/Lantern RJ45 Connection Options
	NOTE: The standard cable package will be provided if no
Car position indicator	alternate selection is made.
Hall position indicator	Standard Cable Backage
Location(s): Main Fire All Floors Other:	Standard Cable Package  • Controller-to-first node: Length: 25 ft
Voice annunciation device	• Floor-to-floor: One per floor, Length 14 ft, <b>or</b>
CE Micro Comm, Emotive 3-wire or CAN driven only	• Floor-to-floor: Two per floor, Length 7 ft (if hall lanterns)
Lanterns:	Splitter-to node: One per node, Length 5 ft
Car lanterns: Chime Gong	Splitter-to-node (one per Access Switch): Length 7 ft
EC 3-wire C.E. Micro Comm EC 3-wire Emotive	Fire Switch Node to Hall Call Node (one): Length 6 inches
Pixel COP (24VDC,6W max.)	Splitters (enough for standard node network)
Hall lanterns: Chime Gong	<u> </u>
EC 3-wire C.E. Micro Comm EC 3-wire Emotive	Alternate lengths needed (indicate quantity and lengths)
Pixel Hall System (24VDC,6W max.)	Controller-to-first node: Length:
CAN Communication via P-HALL boards (1 per floor)	Floor-to-floor: Qty: Lengths:
Location(s): All Floors Lobby Only	Splitter-to-hall node: Qty: Lengths:
Other:	Splitter-to-access nodes: Qty: Lengths:
Delivery of Fireture Nede Decade (Decade)	Fire Switch Node to Hall Call Node: Length:
Delivery of Fixture Node Boards (Pre-wiring)  Ship Fixture Node Boards with Controller	Additional Comments:
Ship Fixture Node Boards in advance to:	Additional Comments:
Company:	
Contact Name:	
Phone #: Ref #:	
Email:	
Address:	
City: State: Zip:	



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## **Controller Data Forms**

Door Information

Forms.xls | Revised 11/24/2020 | Page 5 of 8 | EC Job | Number: Pixel Master Data Forms.xls Job Name:

New door operator:	Car Gate and Hoistway Doors:
Supplier:	Automatic car gate
Contact:	Manual car gate
P.O.#: Phone:	Gate release solenoid: Voltage: V Phase
Existing door operator	Current: A Description:
Automatic Passenger Door Operators:	
Place an "X" in the appropriate box(es) to indicate door	Electric Door Restrictor
operator (F = Front and R = Rear). Operators shown in	Brand: Model:
italics require interface module mounted on cartop.	
FR	Hoistway Door Type:
GAL MOVFR: 230V 115V	Automatic passenger (horizontal sliding)
GAL MOD (shunt wound): 230V 115V	Automatic freight (vertical sliding)
<b>GAL MODPM</b> : 230V 115V	Swing*
GAL MOM/MOH	Manual*
MAC PM-SSC	*Interlocks:
ECI: 895 1000 2000 VFE2500	Door closed contacts (separate from locked contacts)
	Door locked contacts
Atlantic Tech 9001 9003	Brand: Model:
Dover/TKE: HD73 HD85 DC68	Door locking cam:
Dover/TKE: HDLM PA LULA	Fixed
Fermator VVVF5	Mechanical (driven by automatic car gate)
IPC Encore (closed loop) D2000 D3000	Retiring: Voltage: V DC AC
KONE AMD	Current: A Phase:
MCE Smartraq	Notes:
Nova BG101	Notice.
Otis AT400 Customer-supplied Pwr Supply	Power Freight Doors:
Otis 6970A (Reactance)	Door operator wiring diagrams have been sent to EC*
R&R DC244	Courion: MP iLearn Other:
Schindler QKS: 14 15	EMS (provide prints) Model:
Other:*	Peelle: PLC Wireless Other:
*Please send/provide door operator wiring diagrams.	Other (provide prints):
Door Features:	Other (provide prints).
Infrared detector/dual-beam photo eye unit:	Freight Door Operation:
By EC (Weco-917P-2D) Customer Provided	Door Opening: Automatic Momentary pressure
Cut-out switch located in COP	Constant pressure
Anti-nuisance	Door Closing: Automatic Momentary pressure
Mechanical safety edge	Constant pressure
Heavy doors at landings:	Fire Ph. 1 Closing: Automatic Momentary pressure
Door hold: Switch Button: (time) sec.	Constant pressure
Nudging: Reduced torque with buzzer	Constant pressure
Buzzer only	Notes:
Buzzer orny	Notes.
Notes:	
140100.	



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## **Controller Data Forms**

Machine Room Data - Hydraulic

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me: | EC Job | Number: Job Name:

Line Voltage: (measured)  AC 3 phase (symmetrical with respect to ground)  AC single phase  60 Hz  50 Hz	Additional Requirements:  Low oil switch  Viscosity control  Pressure switch  (required when top of cylinder is above top of storage tank)  Roped hydraulic unit:
Hydraulic Pump Motor Data:	Make: Describe:
Existing New New from EC	Governor with remote set & reset solenoids:
Brand: Model:	Coil Voltage: AC DC FLA:
HP: FLA:	Electrical schematic required for set reset solenoids
Voltage: VAC, 3 Phase, 60Hz	Synchronizing circuit for dual and telescopic pistons
Measured Data sheet	Load Weighing Interface
Multiple pump motors:	Brand/model:
Number of motors: 2 Other:	
Number of disconnects: 1 2 Other:	Battery powered lowering device:
Sequential Starting (standard)	By ECCustomer-supplied*
Simultaneous Starting  Note: Standard - no single motor operation.	*If customer-supplied, model:
Number of starts/hour rating: 80 (standard) 120	Passenger doors Power freight doors  Mount inside controller at factory (standard)
runiber of starts/flour rating.	Remote-mounted
	*Due to electrical certification requirements, a battery
	lowering unit that is not installed by the factory
Motor Starting:	shall not be mounted inside the controller cabinet.
By EC	NEMA 1 Enclosure Sizes:
Customer-supplied starter:	Select a Nema 1 enclosure if a specific size is preferred.
Brand: Model:	EC Manufacturing will determine if the required
*Due to electrical certification requirements, a	components will fit within the enclosure selected, and will
motor starter that is not installed by the factory	advise if not possible. If no selection is made, EC will
shall not be mounted inside the controller cabinet.	select the smallest enclosure size available.
Solid State Sprecher+Schuh (standard)	30"H x 36"W x 8"D (wall mount & lift off door)
Siemens (additional charges apply)	38"H x 36"W x 12"D (wall mount & lift off door)
3/9 lead motor 6/12 lead motor	48"H x 36"W x 14"D (wall mount & lift off door)
WYE-Delta ATL (across the line)	Hinged door option
Other*:	Legs for floor-mounting a wall-mount enclosure
*Wiring diagrams are required.	12" (single) 24" (double)
	12 (6119.5)
	Additional Information:
Valve Data:	
Brand: Maxton EECO Blain	
TKE/Dover Bucher GMV	
Other:	
Model:	
Number of valves: 1 (standard) 2 3	<b>1</b> 4 <b>1</b>
	andard)
Valve voltage: 120VAC (standard) Othe Note: If voltage is not specified, 120VAC will be provided:	r:AC



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# **Controller Data Forms**

**Machine Room Data - Traction AC** 

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Job Name:	EC Job	
	Number:	

<u>Line Voltage:</u> (measured)	Hoist Motor: Existing New New from EC
AC 3 phase (symmetrical with respect to ground)	
AC single p <u>has</u> e	Motor brand: Reuland Magil (Reliance)
60 Hz 50 Hz	Imperial TorinDrive
	Other:
Machine: Existing New New from EC	Induction Motor Data
Brand:	HP: Voltage:
Location: Overhead Basement MRL	Frequency: Hz. FLA: NLA:
Type: Geared:	Full Load RPM: Synchronous RPM:
Gearless: PM (Perm. Magnet) Induction	Number of poles: Model #:
Roped: 1:1 2:1 Underslung	
Ropes are 8mm (0.315") diameter or smaller	Motor mounting: Foot Flange
Main Brake:	Shaft style: Straight Tapered
DC AC single phase AC 3-phase	,
Number of brake coils: 1 2 Other	PM Motor Data
Per coil voltage and resistance measurements:	HP: Rated Frequency: Hz.
Voltage Picking: Voltage Holding:	Rated Voltage: Rated Amps:
Resistance: ohms Measured Data	Peak Voltage: Peak Amps:
If measured: Hot Cold	Number of poles: RPM:
Contact on Brake: N/O (closed = brake is picked)	Model #:
N/C (open = brake is picked)	
_	<u>Velocity Encoder:</u>
Emergency Brake (required on A17.1-2000 and later):	Existing New New by EC
Rope brake: Hollister Whitney Draka RB500	(If New by EC) Live motor shaft diameter:
Other Brand: Model:	Brand: Model:
Independent brake on machine # of coils:	Encoder Pulses: PPR
Voltage picking: Voltage Holding:	
Resistance: Ohms	Encoder Cable provided by:
Other (explain):	Customer By EC Length: ft.
	(if by EC)
Additional Requirements:	NEMA 1 Enclosure Sizes (includes resistor box):
Isolation Xfrmr By EC Nema rating:	Select a Nema 1 enclosure if a specific size is preferred.
Line reactor	EC Manufacturing will determine if the required
Motor choke or output filter	components will fit within the enclosure selected, and will advise if not possible. If no selection is made, EC will
AC Regenerative Drive  Machine blower: FLA:	select the smallest enclosure size possible.
Voltage: AC DC Phase:	53"H x 36"W x 12"D (wall mount & lift off door)
Governor with remote set & reset solenoids:	63"H x 36"W x 14"D (wall mount & lift off door)
Voltage: AC DC FLA:	77"H x 36"W x 13"D (floor mount & single door)
Jawless governor (rope slack switch)	77"H x 36"W x 17"D (floor mount & single door)
Reduced stroke buffers: Buffer rating: fpm	77"H x 47"W x 17"D (floor mount & double door)
Counterweight safety	17 11 X 47 W X 17 B (noor mount & double door)
Battery Power Rescue	Hinged door option
By EC Nema rating:	Legs for floor-mounting a wall-mount enclosure
MRL Test/Rescue System with Video	12" (single) 24" (double)
,	
Additional Information:	



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## **Controller Data Forms**

Machine Room Data - Traction DC

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me: | EC Job | Number: Job Name:

<u>Line Voltage:</u> (measured)	Hoist Motor: Existing New
AC 3 phase (symmetrical with respect to ground)	Brand:
AC single phase	HP: Voltage: FLA:
60 Hz 50 Hz	RPM:
Managerina Navy	Other name plate data:
Machine:  Brand:  Existing  New	Hoist Motor Shunt Field: Shunt field voltages:
Dianu.	Forcing: Running: Standing:
Do Dr Dury	
Location: Overhead Basement MRL	Shunt field resistance:ohms # of coils:
Type: Geared:	Measured Data sheet
Gearless	Series Series/parallel
Roping 1:1 2:1 Underslung	Hot Cold
Ropes are 8mm (0.315") diameter or smaller	Loop Circuit Voltage: (measured at the motor brushes while running)
Brake:	Up empty car: VDC at speed: fpm
DC AC single phase AC 3 phase	Down empty car: VDC at speed: fpm
Number of brake coils: 1 2 Other	Loop Circuit Current: (measured while running)
Per coil voltage and resistance measurements:	Empty Car Up:  A at speed: fpm
Voltage Picking: Voltage Holding:	Empty Car Down: A at speed: fpm
Resistance: ohms Measured Data	Peak currents: Up: A Down: A
If measured: Hot Cold	, cancamental op
Contact on Brake: N/O (closed = brake is picked)	
N/C (open = brake is picked)	Velocity Encoder:
Emergency Proke (required on A17.1.2000 and later)	Existing New New by EC  (if New by EC) Live motor shaft diameter:
Emergency Brake (required on A17.1-2000 and later):	
Rope brake: Hollister Whitney Draka RB500	Brand: Model:
Other Brand: Model:	Encoder Pulses: PPR
Independent brake on machine # of coils:	Encoder Cable provided by
Voltage picking: Voltage Holding: Ohms	Encoder Cable provided by:  Customer  By EC  Length:  ft.
Other (explain):	(if by EC)
Other (explain).	NEMA 1 Enclosure Sizes (includes resistor box):
Additional Requirements:	Select a Nema 1 enclosure if a specific size is preferred.
Isolation Transfrmr By EC Nema Rating:	EC Manufacturing will determine if the required
DC Choke By EC Nema Rating:	components will fit within the enclosure selected, and will
Machine blower: FLA:	advise if not possible. If no selection is made, EC will
Voltage: AC DC Phase:	select the smallest enclosure size possible.
Governor with remote set & reset solenoids:	63"H x 36"W x 14"D (wall mount & lift off door)
Voltage: AC DC FLA:	77"H x 36"W x 13"D (floor mount & single door)
Jawless governor (rope slack switch)	77"H x 36"W x 17"D (floor mount & single door)
Reduced stroke buffers: Buffer rating:fpm	77"H x 47"W x 17"D (floor mount & double door)
Counterweight safety	
	Hinged door option
Additional Information:	Legs for floor-mounting a wall-mount enclosure
	12" (single) 24" (double)



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Pixel	Contro	ller D	ata For	ms
H	loistway	Layout		
Pixel Master Data For	ms.xls	Revised 1	11/24/2020	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.

xample drawing of a		oup. <b>Wall</b>				F	= = F	r ope Front	t op	ngs: pening pening	9							
R Elevator 1 F	Н СВ	2	/ator 2 =			1	Vote											
Elevator X	H	Elev	e vator 31	]		(	н Н I Ir	all cancons	all r spic Blu	riser (cuous	s ris spit	er (s al s	erv	ice)	rise	r		
Elevator																		
Elevator																		
cial instructions:																		



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## **Controller Data Forms**

Monitoring Data

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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.	
controller enclosure.	
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):	Interfaces to 3rd Party Monitoring Systems
Lobby Security room	Kings III
Fire control room Concierge desk	Schindler Lobby Vision (dry contact interface)
Other:	Mitsubishi MelEye (dry contact interface)
Communication media:	Other (describe):
Ethernet	0 4 101 (4 0001 100).
Line driver: By EC Others	
Printer(s) required Quantity:	
Using the grid layout below to sketch the remote mon	nitaring system required
Osing the grid layout below to sketch the remote mon	illoring system required.
Group 1 Group 2	Simplex
Group 1 Group 2	
Group 1 Group 2	
Group 1	
Group 1	
Group 1	
Group 1 Group 2	
Group 1 Group 2	
Group 1	
Group 1 Group 2	
Remote PC #1	Remote PC #2