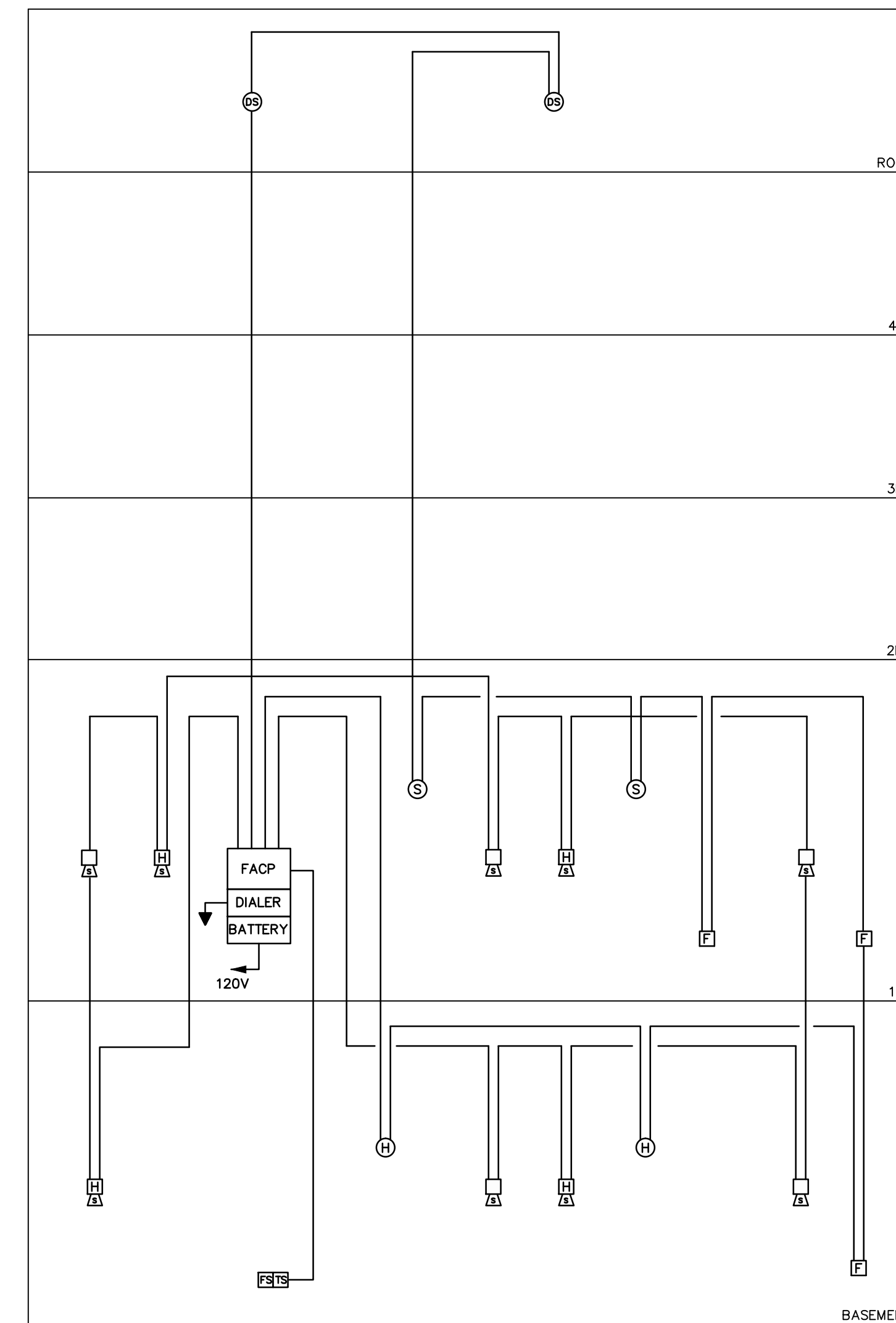


ELECTRICAL SYMBOLS & INSTRUCTIONS	
[XXX]	ROOM NUMBER.
(X)	KEYED NOTE, SEE NOTE OF SAME LETTER ON SHEET.
(X)	DETAIL DESIGNATION: UPPER FIELD IS DETAIL IDENTIFIER, LOWER FIELD IS SHEET NUMBER WHERE DETAIL IS SHOWN.
[---]	INDICATES EXISTING DEVICE OR ITEM.
[---]	BRANCH CIRCUIT WIRING CONCEALED IN CEILING OR WALL.
[---]	BRANCH CIRCUIT WIRING CONCEALED IN FLOOR.
[---]	EXPOSED WIRING.
[---]	MULTI-CONDUCTOR BRANCH CIRCUIT, NO. OF HASHMARKS IS NO. OF CIRCUIT CONDUCTORS, WITHOUT HASHMARKS TWO CIRCUIT CONDUCTORS. ALL CIRCUITS TO INCLUDE SEPARATE GREEN GROUNDING CONDUCTOR. FOR FLUORESCENT LIGHTING CIRCUITS, INCREASE NEUTRAL CONDUCTOR 1 SIZE OVER PHASE CONDUCTORS (#10 AWG FOR 20A CIRCUIT)
[---]	HOMERUN TO CIRCUIT AND PANELBOARD INDICATED, NO. OF ARROWS IS NO. OF PHASE WIRES, NO. OF HASHMARKS INDICATE NO. OF CIRCUIT CONDUCTORS.
[---]	DIRECTIVE ARROW.
[---]	CIRCUIT BREAKER.
[---]	GROUND.
[] [] []	JUNCTION BOX, SPLICE BOX AND PULL BOX.
[X] [] []	FLUORESCENT LIGHTING FIXTURE & OUTLET, UPPER CASE LETTER TYPE, LOWER CASE LETTER IS CONTROL GROUP, RECTANGLES INDICATE NO. OF SECTIONS. SEE LIGHTING FIXTURE SCHEDULE FOR TYPES AND MOUNTING.
[] [] []	CEILING MOUNTED LIGHTING FIXTURE, LETTER SUBSCRIPTS AS ABOVE.
[] [] []	WALL MOUNTED LIGHTING FIXTURE, LETTER SUBSCRIPTS AS ABOVE.
[] [] []	WALL MOUNT AND CEILING MOUNT EXIT LIGHTS. SEE FIXTURE SCHEDULE FOR TYPE(S).
[] [] []	EMERGENCY LIGHTING BATTERY UNIT WITH LIGHTING HEADS AS NOTED. SEE FIXTURE SCHEDULE FOR TYPE(S).
[S] [SP]	SPST FLUSH WALL SWITCH 4'-0" UP ON CENTER ADJUSTED TO MINIMUM CUT OFF BLOCK OR TILE, LOWER CASE LETTER IS CONTROL GROUP, WITH "H" 6" ABOVE FLOOR, WITH "P" PILOT LIGHT.
[---]	120/208 VOLT PANELBOARD, FLUSH MOUNTED AND SURFACE MOUNTED.
[---]	UNIVERSAL PANEL OR CABINET, FLUSH MOUNTED AND SURFACE MOUNTED.
[] [] []	MOTOR OF SIZE SHOWN, WITH "P" FRACTIONAL HORSEPOWER MOTOR BELOW 1/20 HP OR 100 WATTS.
[] [] []	UTILITY POWER METER, MOUNT 5'-0" UP.
[] [] []	DUPLEX GROUNDED POLARIZED 120 VOLT THREE-WIRE CONVENIENCE OUTLET 1'-6" UP VERTICALLY, WITH "U" 4'-0" AFF OR 0'-6" ABOVE COUNTER, ADJUST TO MINIMUM CUT OFF BLOCK OR TILE, LETTER IS CIRCUIT GROUP, WITH "WP" WEATHERPROOF, WITH "G" FOR GROUND FAULT PROTECTED BY GFCI RECEPTACLE OR CIRCUIT BREAKER LOCATED UPSTREAM, WITH "H" MOUNT 7'-6" UP OR AS NOTED.
[] [] []	GROUND FAULT CIRCUIT INTERRUPTING (GFCI) DUPLEX RECEPTACLE, 120 VOLT THREE-WIRE 20 AMP, SUBSCRIPTS AND MOUNTING AS ABOVE.
[] [] []	EQUIPMENT CONNECTION.
[] [] []	SINGLE THROW HEAVY DUTY FUSED DISCONNECT SWITCH, NO. OF POLES AND SIZE AS REQUIRED FOR THE LOAD, "NF" NON FUSED, "WP" WEATHERPROOF.
[] [] []	TELEPHONE OUTLET 1'-6" AFF, QUANTITY AS NOTED, WITH "W" 4'-0" AFF, WITH "P" FOR PAY TELEPHONE 4'-0" AFF, WITH "U" 0'-6" ABOVE COUNTER.
[] [] []	COMPUTER DATA OUTLET 1'-6" AFF, WITH "U" 0'-6" ABOVE COUNTER, QUANTITY AS NOTED.
[] [] []	COMBINATION TELEPHONE AND COMPUTER DATA OUTLET 1'-6" AFF, WITH "U" 0'-6" ABOVE COUNTER, QUANTITY AS NOTED.
[] [] []	FIRE ALARM CONTROL PANEL.
[] [] []	FIRE ALARM AUDIO/VISUAL ALARM, 6'-8" AFF.
[] [] []	FIRE ALARM VISUAL ALARM, 6'-8" AFF.
[] [] []	FIRE ALARM MANUAL PULL STATION 4'-0" AFF.
[] [] []	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED UNLESS NOTED OTHERWISE.
[] [] []	MAGNETIC DOOR STRIKE.

ABBREVIATIONS

A	AMPERES	ELEV	ELEVATION, ELEVATOR	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	EMERG	EMERGENCY	NID	NETWORK INTERFACE DEMARCATION
AFG	ABOVE FINISHED GRADE	EMT	ELECTRICAL METALLIC TUBING	NO	NUMBER
ATS	AUTOMATIC TRANSFER SWITCH	EQUIP	EQUIPMENT	OC	ON CENTER
BATT	BATTERY	EXIST'G	EXISTING	PNL	PANEL, PANEL BOARD
BKR	BREAKER	EXT	EXTERIOR	PVC	POLYVINYL CHLORIDE
BLDG	BUILDING	FA	FIRE ALARM	PWR	POWER
C.C	CONDUIT, CONDUCTOR	FACP	FIRE ALARM CONTROL PANEL	R	REMOVE
C.B	CIRCUIT BREAKER	FIN	FINISH, FINISHED	RECEP	RECEPTACLE
CB	CIRCUIT BREAKER	FLR	FLOOR	RL	RELOCATE
CLG	CEILING	GND	GROUND	RSC	RIGID STEEL CONDUIT
C.M.P.	CENTRAL MAINE POWER CO.	HP	HORSEPOWER, HEAT PUMP	SW	SWITCH
CT	CURRENT TRANSFORMER	J-BOX	JUNCTION BOX	TEL	TELEPHONE
DISTRIB	DISTRIBUTION	KVA	KILO VOLT AMPS	TRANS	TRANSFORMER
DN	DOWN	KW	KILOWATT(S)	TYP	TYPICAL
DWG	DRAWING	LGT	LIGHT	UG	UNDERGROUND
E	EXISTING	LTG	LIGHTING	V	VOLTS
EC	ELECTRICAL CONTRACTOR	MAX	MAXIMUM	W	WATTS
ER	EXISTING REPLACE	MIN	MINIMUM	WM	WIREMOLD
ELECT	ELECTRIC, ELECTRICAL	N	NEW	WP	WEATHERPROOF
				W/W	WIREWAY

LIGHTING FIXTURE & LAMPING SCHEDULE					
TYPE	DESCRIPTION	VOLTS	VA	MOUNTING & INSTRUCTIONS	LAMPING
A	INDY LIGHTING CAT# CBV-126/42T-C600-42-CL-WH 6" VERTICAL CFL DOWNLIGHT, OPEN CLEAR REFLECTOR, LOW IRRIDESCENT SPECULAR ALZAK FINISH, WHITE FLANGE, w/#HB-28 28" C-CHANNEL BAR HANGERS (PAIR), ELECTRONIC BALLAST	120		RECESS IN GWB CEILING	1-42W CF
B	INDY LIGHTING CAT# A6-P600-P38-CL-WH 6" VERTICAL PAR DOWNLIGHT, OPEN CLEAR REFLECTOR, SPECULAR ALZAK FINISH, WHITE FLANGE, w/#HB-28 28" C-CHANNEL BAR HANGERS (PAIR), ELECTRONIC BALLAST	120		RECESS IN GWB CEILING	TBD
B1	INDY LIGHTING CAT# A6-P600-P38-CL-WH, SAME AS TYPE B	120		RECESS IN GWB CEILING	TBD
B2	INDY LIGHTING CAT# A6-P600-P38-CL-WH, SAME AS TYPE B	120		RECESS IN GWB CEILING	TBD
C	SPECTRUM LIGHTING CAT# SPC08120F-42-EX-8115SF-SM-MW 8" OPEN CYLINDER DOWNLIGHT, 1L 42W, SOFT GLOW ALZAK REFLECTOR, MATTE WHITE FINISH, ELECTRONIC BALLAST	120		SURFACE MOUNT TO GWB CEILING	1-42W CF
D/D1 TRACK	CON-TECH LIGHTING ODYSSEY LINE VOLTAGE FLEXIBLE TRACK SYSTEM, w/#LR879 CABLE CEILING CONNECTOR AND #LR42788 ROUND CANOPY & POWER SUPPLY CORD, INCLUDE ALL ADDITIONAL PARTS NECESSARY TO PROVIDE A COMPLETE SYSTEM	120			
D	CON-TECH LIGHTING CAT# LR2830 TRACK HEAD, SILVER FINISH	120			TBD
D1	CON-TECH LIGHTING CAT# LR2830 TRACK HEAD, SILVER FINISH	120			TBD
E	COOPER CAT# SML-2-5475-UNV-EBT 4' STAGGERED STRIPLIGHT, 2L TSHO, ELECTRONIC BALLAST	120		MOUNT IN COVE	FP54/841
F	COOPER CAT# SML-2-3975-UNV-EBT 3' STAGGERED STRIPLIGHT, 2L TSHO, ELECTRONIC BALLAST	120		MOUNT IN COVE	FP39/841
F2	AMERLUX CAT# CYLRTX-2-20-MM-E-BT-120-CL-SN MULTIPLE TRIMLESS EXTRUDED DISPLAY DOWNLIGHTS, 12 DEGREE SPOT (EACH LAMP), BLACK TEXTURE FINISH, ELECTRONIC BALLAST, w/SNOOT	120		RECESS IN GWB CEILING	2-CDM20/TM/830
F10	AMERLUX CAT# E2.9RATL-20-MM-120-CL + E2.94ATL-SDC	120		RECESS IN GWB CEILING	CDM20/TM/830
G	COOPER CAT# SML-2-2475-UNV-EBT 2' STAGGERED STRIPLIGHT, 2L TSHO, ELECTRONIC BALLAST	120		MOUNT IN COVE	FP24/841
H	COOPER CAT# SM-2-2475-UNV-EBT 2' STRIPLIGHT, 2L TSHO, ELECTRONIC BALLAST	120		MOUNT IN COVE	FP24/841
K	LIGHTING SUPPLIED BY ROLEX				
L	SCONCE (TBD)	120		WALL MOUNT	TBD
[] [] []	ENCORE LIGHTING CAT# OX-16-RC LED EXIT SIGN/EGRESS LIGHT COMBO UNIT, EDGELIT, RECESSED LED EGRESS DOWNLIGHTS, RECESSED STEEL HOUSING, NICAD BATTERIES, TRIM FINISH TBD	120		RECESS IN GWB CEILING	LEDS INCLUDED
[] [] []	ENCORE LIGHTING CAT# 6ELPQ27-2 LOW PROFILE EMERGENCY EGRESS LIGHTING UNIT, 6V 27W, STEEL HOUSING, TWO HEADS, 90 MINUTE BATTERY OUTPUT, WHITE FINISH	120		WALL MOUNT 0'-6" BELOW CEILING	6V/12W PER HEAD (INCLUDED)



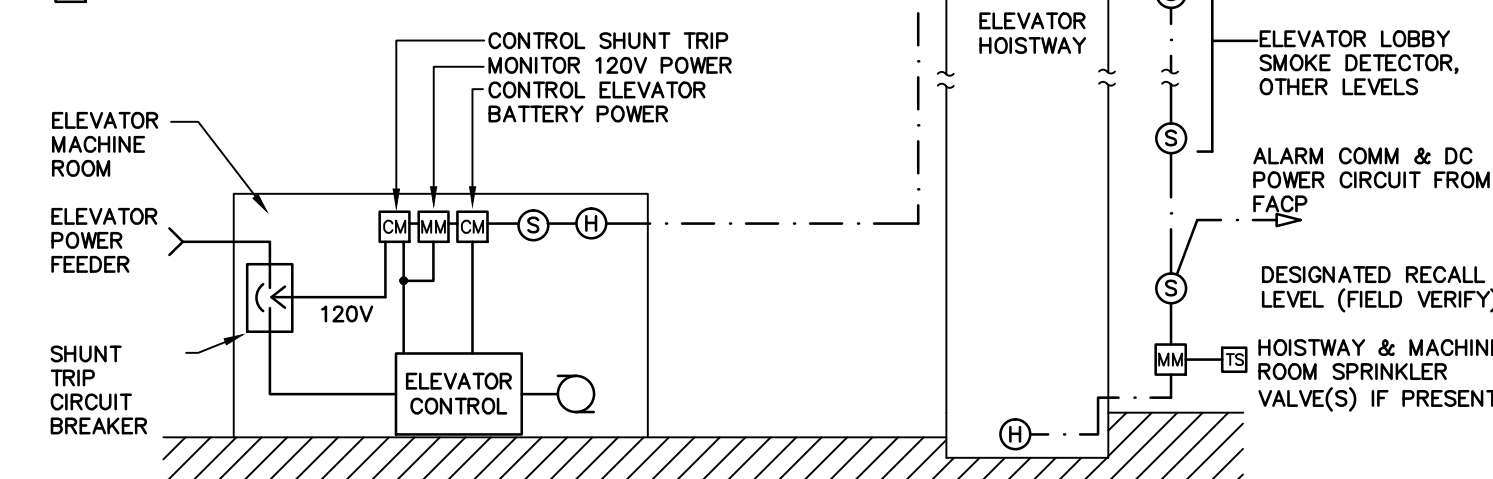
FIRE ALARM RISER DIAGRAM
NO SCALE

FIRE ALARM NOTES:

1. DIAGRAM DENOTES GENERAL ARRANGEMENT OF DEVICES AND TYPICAL SCHEMATIC WIRING. SEE FLOOR PLAN DRAWINGS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES.
2. PROVIDE ALL NECESSARY SYSTEM CARDS, POWER EXTENDER MODULES, POWER SUPPLIES, ENCLOSURES, AND INTERFACE MODULES NECESSARY FOR A COMPLETE AND FUNCTIONING SYSTEM.
3. PROVIDE SMOKE DETECTOR PROTECTION AT ALL FIRE ALARM EQUIPMENT LOCATIONS (NOT SHOWN ON PLANS).
4. PROVIDE SCREW SET LOCK ON DEVICES FOR ALL CIRCUIT BREAKERS SUPPLYING FIRE ALARM EQUIPMENT.
5. UPON FIRE ALARM CONTROL PANEL ACTIVATION, RELEASE DOOR HOLDERS.

LEGEND

- [] FIRE ALARM ADDRESSABLE CONTROL MODULE
- [] FIRE ALARM ADDRESSABLE MONITOR MODULE



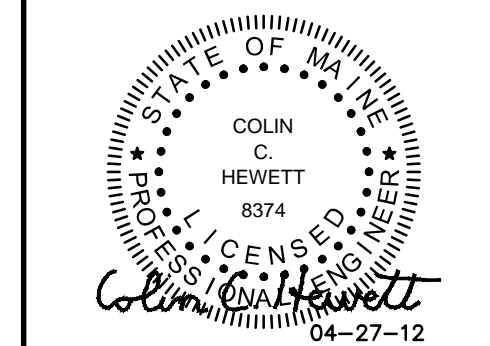
NOTES:

1. PROVIDE CONDUITS FOR FUTURE ELEVATOR.

ELEVATOR WIRING DIAGRAM
NO SCALE

brian e. duffy
associates
65 falmouth road
falmouth, me. 04105
tel: 207-773-9500

Hewett & Whitney
ENGINEERS & DESIGNERS
161 MAIN STREET WINTHROP, MAINE
Tel 207-537-6969 Fax 207-537-7584
PLOT DATE: Apr 27, 2012



RENOVATIONS TO:
SPRINGER'S JEWELERS
580 CONGRESS STREET
PORTLAND, MAINE

date: APRIL 27, 2012

drawn by: CCH/ELH

scale: AS NOTED

sheet title:
ELECTRICAL SYMBOLS LIST AND DETAILS

sheet:

E0.0