WIRING DIAGRAM

NOTES:

1. REFER TO NFPA 72-2013 SECTION 21.3 FOR SMOKE DETECTOR ELEVATOR CONTROL CIRCUIT REQUIREMENTS. ACTIVATION OF SMOKE DETECTORS TO CAUSE ELEVATOR CONTROL TO RECALL CAR TO DESIGNATED FLOOR AND OPEN DOORS.

2. FIRE ALARM SYSTEM SHALL BE ADDRESSABLE TYPE. PROVIDE ANY NECESSARY INTERFACE RELAYS BETWEEN 120V AND FIRE ALARM COMPONENTS. LOBBY, HOISTWAY, AND MACHINE DETECTORS SHALL BE ADDRESSABLE CONTROL MODULES TO PROVIDE CONTROL OUTPUTS TO ELEVATOR MACHINE.

3. HEAT DETECTOR ALARM TEMPERATURE TO BE MINIMUM 10°F LOWER THAN SPRINKLER HEAD, PER NFPA 72-2013. MOUNT HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD.

4. REFER TO NFPA 72-2013 SECTION 21.4 FOR ELEVATOR SHUTDOWN SEQUENCE. ACTIVATION OF ANY HEAT DETECTOR TO ACTIVATE SHUNT TRIP TO POWER DOWN ELEVATOR EQUIPMENT. MONITOR 120V AND INITIATE FIRE ALARM TROUBLE IN EVENT OF LOSS OF SHUNT TRIP POWER.

5. COORDINATE ALL WORK WITH ELEVATOR INSPECTOR & SPRINKLER CONTRACTOR(S) TO MEET LIFE SAFETY AND ELEVATOR CODE REQUIREMENTS.

ELEMENTARY DIAGRAM

E1 ELEVATOR WIRING DIAGRAM

NTS --

NOTE:
IT IS THE INTENT OF THIS DETAIL TO CENTER ALL DEVICES (ELEC & MECH) LOCATED ABOVE/BELOW/BESIDE EACH OTHER ALONG THE SAME CENTERLINE. PROVIDE MTG. BLOCKING/SUPPORTS AS REQ'D.

A1 MOUNTING HEIGHT DETAIL

NTS --

LEGEND

ALL DEVICES, FIXTURES, ETC. SHALL BE NEW UNLESS DESIGNATED WITH THE FOLLOWING TAGS:

E	EXISTING TO REMAIN
ER	EXISTING RELOCATED
NR	NEW TO REPLACE EXISTING IN EXISTING LOCATION
R	EXISTING TO BE REMOVED
RR	REMOVE & RELOCATE EXISTING

FACP	FIRE ALARM SYSTEM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
H	FIRE ALARM SYSTEM CEILING MOUNTED HEAT DETECTOR
S	FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR
S	FIRE ALARM SYSTEM DUCT MOUNTED SMOKE DETECTOR
F	WALL MOUNTED FIRE ALARM SYSTEM MANUAL PULL STATION
V	FIRE ALARM SYSTEM WALL MOUNTED VOICE/VISUAL DEVICE WITH VISUAL DEVICE CANDELA RATING AS NOTED
F	FIRE ALARM SYSTEM WALL MOUNTED VISUAL DEVICE ONLY - CANDELA RATING AS NOTED FIRE ALARM SYSTEM
DH	DOOR HOLD-OPEN DEVICE CONNECTION
PS	FIRE ALARM SYSTEM/SPRINKLER SYSTEM PRESSURE SWITCH
FS	FIRE ALARM SYSTEM/SPRINKLER SYSTEM FLOW SWITCH
TS	FIRE ALARM SYSTEM/SPRINKLER SYSTEM TAMPER SWITCH

ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
BATT	BATTERY
BHEC	BANGOR HYDRO ELECTRIC CO.
BKR	BREAKER
BLDG	BUILDING
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CMP	CENTRAL MAINE POWER CO.
CT	CURRENT TRANSFORMER
DN	DOWN
DWG	DRAWING
EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FA-PE	FIRE ALARM SYSTEM POWER EXTENDER
FIN	FINISH, FINISHED
FLR	FLOOR
GND	GROUND
HP	HORSEPOWER, HEAT PUMP
JB	JUNCTION BOX
KVA	KILO VOLT AMPS
KW	KILOWATT(S)
LTG	LIGHTING
MAX	MAXIMUM
MIN	MINIMUM
N	NEW
OC	ON CENTER
OS/OI	OWNER SUPPLIED, OWNER INSTALLED ITEM
PAR	PARTIAL CIRCUIT
PVC	POLYVINYL CHLORIDE
RECEP	RECEPTACLE
TEL	TELEPHONE
TYP	TYPICAL
UG	UNDERGROUND
V	VOLTS
W	WATTS
WG	WIRE GUARD
WM	WIREMOLD
WP	WEATHERPROOF

GENERAL NOTES

1. ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE, AND IN ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO NFPA 70, 72, 90A, AND DIRECTION OF AUTHORITY HAVING JURISDICTION.
2. EXISTING AND NEW FIRE ALARM DEVICES ARE SHOWN IN THEIR APPROXIMATE LOCATION. CONTRACTOR SHALL REVIEW THE BUILDING, AND FIELD VERIFY, TO DETERMINE EXACT MOUNTING LOCATIONS FOR FIRE ALARM DEVICES AND EQUIPMENT. CARE SHALL BE TAKEN TO AVOID EXISTING ELECTRICAL, MECHANICAL, SPRINKLER AND OTHER CEILING AND WALL MOUNTED DEVICES AND EQUIPMENT.
3. ALL PENETRATION THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH A U.L. LISTED AND APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
4. TO THE EXTENT POSSIBLE, AREAS OF ANY KNOWN HAZARDOUS MATERIALS HAVE BEEN NOTED IN THESE DRAWINGS. CONTRACTOR SHALL AVOID THESE MATERIALS IF AT ALL POSSIBLE. IF IT IS NECESSARY TO DISTURB ANY HAZARDOUS MATERIALS, CONTRACTOR SHALL NOTIFY THE OWNER AND REQUEST DIRECTION BEFORE PROCEEDING.

A4 LEGEND, ABBREVIATIONS & GENERAL NOTES

NTS --

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 7/29/2013

REV.	DESCRIPTION	DATE
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0	CONSTRUCTION DOCUMENTS	05.10.13

CONSTRUCTION DOCUMENTS 05.10.13

CURRENT ISSUE STATUS:

STATE OF MAINE STEPHANIE LAPLANT No. 10272 LICENSED PROFESSIONAL ENGINEER
05.10.13

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PAYSON SMITH FIRE ALARM UPGRADES

PROJECT: PORTLAND, MAINE

FIRE ALARM DETAILS & LEGEND

SHEET TITLE:

WBRC CAD FILE: 3842.12 – FA501
PROJECT No. 3842.12
SCALE: AS NOTED
PM: SJL
DRAWN BY: KRM
A/E OF RECORD: SJL
GRAPHIC SCALE: 0" 1"
SHEET No. FA501

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5/10/2013 5:13 PM I:\3801-3900\384210 USM FIRE ALARM SYSTEM UPGRADES\2 DESIGN\DWGS\BLDG\PAYSON SMITH 6P001\PAYSON SMITH FIRE ALARM UPGRADES\SHEETS\3842.12-FA501 FIRE ALARM DETAILS & LEGEND.DWG STEPHANIE.LAPLANT