

1. THIS DRAWING IS INTENDED TO ILLUSTRATE MAJOR EQUIPMENT AND THE INTENDED INTERCONNECTIONS. REFER TO THE FLOOR PLANS FOR EXACT LOCATIONS AND QUANTITIES OF DEVICES. REFER TO THE MANUFACTURER'S WIRING DIAGRAMS FOR INTERCONNECTION REQUIREMENTS. INTERCONNECTION DETAILS SHALL BE INCLUDED IN THE SHOP DRAWINGS WITH COMPONENT CUT SHEETS FOR REVIEW AND APPROVAL. 2. ALL FINAL CONNECTIONS INTO THE EXISTING FIRE ALARM SYSTEM SHALL BE PERFORMED BY THE OWNER'S FIRE ALARM MAINTENANCE CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL CARRY ALL ASSOCIATED COSTS FOR FINAL CONNECTION AND ASSOCIATED TESTING.

3. ALL NEW FIRE ALARM DEVICES SHALL MATCH EXISTING MANUFACTURER AND BE CROSSED LISTED FOR CONNECTION TO THE EXISTING SYSTEM.

4. EXISTING SMOKE DETECTORS, PULL STATIONS, AUDIO/VISUAL DEVICES, HEAT DETECTORS, ETC. WITHIN THE BUILDING SHALL BE MAINTAINED, UNLESS OTHERWISE NOTED. DEVICES IDENTIFIED FOR REMOVAL SHALL BE RETAINED UNTIL NEW SYSTEM OPERATIONAL AND APPROVED. PROVIDE CONTROL MODULES, WIRING, PROGRAMMING OF SYSTEM AS REQUIRED TO MAINTAIN SYSTEM OPERATION OF EXISTING DEVICES. REPROGRAM SYSTEM AND MODIFY EXISTING ANNUNCIATOR(S) TO ACCOMMODATE THE NEW DEVICES AND FUNCTIONS.

5. FIRE ALARM SYSTEM MODIFICATION SHALL BE IN CONFORMANCE WITH THE LATEST PORTLAND FIRE DEPARTMENT RULES AND REGULATIONS.

6. PROVIDE POWER BOOSTERS SIZED TO ACCOMMODATE NOTIFICATION APPLIANCE QUANTITIES ILLUSTRATED WITH 40% ADDITIONAL SPARE CAPACITY. PROVIDE DEDUCT ALTERNATE TO DELETE NEW POWER SUPPLY IF EXISTING CAPACITY IS SUFFICIENT AND ILLUSTRATED WITH CALCULATIONS.

7. PROVIDE UL LISTED LOCKING DEVICE FOR POWER SOURCE CIRCUIT BREAKER AND LABEL AS "FIRE ALARM CONTROL CIRCUIT" IN THE PANELBOARD DIRECTORY. REFER TO FLOOR PLAN FOR CIRCUIT DESIGNATION. 8. VISUAL APPLIANCES WITHIN SAME ROOM OR FIELD OF VIEW SHALL BE SYNCHRONIZED.

9. STROBES INDICATED AS 15cd OR 30cd SHALL BE DUAL RATED 15/75cd OR 30/75cd RESPECTIVELY.

10. PROVIDE SIGNAL TO CARD READER SYSTEM TO UNLOCK ALL (EQUIPPED WITH CARD READERS) DOORS DURING FIRE ALARM CONDITION. COORDINATE WITH SECURITY CONTRACTOR. FIRE ALARM RISER WITH AV POWER BOOSTER

EF001

FIRE ALARM LEGEND

FIRE ALARM AUDIBLE AND VISUAL DEVICE, NUMERAL INDICATES CANDELA VALUE.

FIRE ALARM VISUAL DEVICE

FIRE ALARM MANUAL PULL STATION

FIRE ALARM SMOKE DETECTOR, PHOTO ELECTRIC UNLESS NOTED OTHERWISE

REMOTE ALARM INDICATOR

MONITOR MODULE

DH DOOR HOLDER FIRE ALARM NOTES:

1. REFER TO DRAWING E-000 FOR LEGEND, SYMBOLS AND GENERAL NOTES. 2. REFER TO ARCHITECTURAL DRAWINGS FOR ASSOCIATED NOTES, MOUNTING DETAILS, HEIGHTS AND EXACT LOCATIONS OF ALL DEVICES.

3. FIRE ALARM BRANCH CIRCUITRY SHALL BE INSTALLED IN CONDUIT FROM THE PANEL TO THE FIRST DEVICE AND/OR WHERE EXPOSED. FIRE ALARM BRANCH CIRCUITRY MAY BE TYPE MC CABLE WHERE CONCEALED ABOVE SUSPENDED CEILINGS AND IN METAL

4. MC CABLE FOR FIRE ALARM SERVICE SHALL HAVE A RED IDENTIFIER ALONG ITS ENTIRE LENGTH. JUNCTION BOX COVERS AND CONDUIT COUPLINGS FOR ALL FIRE ALARM WIRING RACEWAYS SHALL BE PAINTED RED PRIOR TO INSTALLATION. 5. MAINTAIN CONTINUITY OF BRANCH CIRCUITRY ASSOCIATED WITH ALL EXISTING FIRE

ALARM DEVICES TO REMAIN.

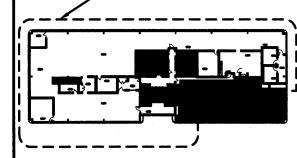
EXISTING ELECTRICAL SHOWN ON THESE PLANS WAS <u>NOT</u> FIELD VERIFIED BY RDK ENGINEERS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFIED ALL EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF ANY WORK. RDK ENGINEERS <u>WILL NOT</u> BE HELD RESPONSIBLE FOR ANY EXISTING CONDITIONS DISCREPANCIES FOUND DURING CONSTRUCTION.

56 NORTHPORT DRIVE (1361 WASHINGTON AVENUE) PORTLAND, ME



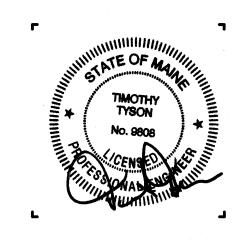


-PROJECT SCOPE











311 SUMMER STREET BOSTON, MA 02210 617.234.3100

ISSUANCES

No.	Description	Date
1	ISSUED FOR PERMIT	12/23/08
	·	
	·	
Che	ecked by:	

ELECTRICAL FIRE ALARM PLAN 2ND FLOOR

1/8" = 1'-0"

20080729