



EQUIPMENT LEGEND		
[FACP]	FIRE ALARM CONTROL PANEL W/VOICE EVAC	MOUNT 60" A.F.F. TO CENTER OF RM
[MIRCOM]	MIRCOM P4-2000/MS WITH SLS & VOICE	CEILING MOUNT
[P]	PHOTO IIR RELAY BASE 6224RB	3.5 TO 4.0 OCT BX
[P]	ADDRESSABLE MIRCOM 2201B	CEILING MOUNT
[H]	HEAT DETECTOR	CEILING MOUNT
[H]	ADDRESSABLE MIRCOM 5251B	3.5 TO 4.0 OCT BX
[DS]	DUCT DETECTOR W/REMOTE TEST SWITCH	INSTALLED BY OTHERS
[DS]	RHEOTRON SIZE SUPPLY SIDE	INSTALLED BY OTHERS MONITORED BY FA
[F]	MANUAL PULL STATION - DUAL ACTION	MOUNT 48" A.F.F. SINGLE GANG BX
[M]	MONITOR MODULE	4 SQ BACK BX
[M]	ADDRESSABLE MIRCOM MIX M500M	4 SQ BACK BX
[R]	ADDRESSABLE RELAY	4 SQ BACK BX
[R]	ADDRESSABLE MIRCOM MIX M500R	4 SQ BACK BX
[R]	10AMP CONVENTIONAL RELAY	HOUSING PROVIDED
[R]	SPACE AGE MR101CR	RECESS BACK BOX PROVIDED
[R]	24 VOLT DOOR HOLDER	RECESS BACK BOX PROVIDED
[R]	DFX 1224	4 SQ BACK BX
[R]	24 VOLT CO DETECTOR	4 SQ BACK BX
[SP]	MIRCOM COV32MT	AS REQUIRED
[SP]	SURGE PROTECT (1) DTRCT551 (4) DTRKLVLP	AS REQUIRED
[SP]	2-120V AC, SLC, IDC/PIV, NAC, TELEPHONE	AS REQUIRED
[FAA]	REMOTE ANNUNCIATOR	RECESS BACK BOX PROVIDED
[SMK]	MIRCOM RAXM-LCD	RECESS BACK BOX PROVIDED
[SMK]	SMOKE EVAC CONTROL PANEL	RECESS BACK BOX PROVIDED
[LMC]	MIRCOM GMP-5101	RECESS BACK BOX PROVIDED
[PS1]	NOTIFICATION POWER SUPPLY	MOUNT 60" A.F.F. TO CENTER OF RM
[PS1]	MIRCOM IN5-10A	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	WALL MOUNTED VISUAL APPLIANCE	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	SYSTEM SENSOR SW	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	WALL MOUNTED AUDIBLE/VISUAL APPLIANCE	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	SYSTEM SENSOR P2W	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	WALL MOUNTED WEATHER PROOF AUDIBLE/VISUAL APPLIANCE	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	SYSTEM SENSOR P2W	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	WALL MOUNTED HIGH CANDELA LOW FREQ. AUDIBLE/VISUAL APPLIANCE	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	SYSTEM SENSOR P2WHLF	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	WALL MOUNTED AUDIBLE APPLIANCE	4 SQ BACK BX SINGLE GANG BX MID RING
[PS1]	WALL MOUNTED SPEAKER/VISUAL APPLIANCE	4 SQ BACK BX DEEP
[PS1]	WALL MOUNTED HIGH CANDELA	4 SQ BACK BX DEEP
[PS1]	SYSTEM SENSOR SP5W OR SP5WH	4 SQ BACK BX DEEP
[PS1]	WALL MOUNTED SPEAKER DEVICE	4 SQ BACK BX DEEP
[PS1]	SYSTEM SENSOR SP4W	4 SQ BACK BX DEEP
[J]	JUNCTION BOX AS REQUIRED	RISER TO UPPER FLOOR

WIRE LEGEND	
CABLING RACE WAY SIZE TYP 3/8" MC	
CONDUCTOR TYPE:	
162 FPLP - SLC CIRCUIT	---
162 FPLP - DATA BUS	---
142 FPLP - NOTIFICATION	---
162 FPLP - 24V CIRCUIT	---
162 FPLP - SPEAKER CIRCUIT	---

APPLICABLE CODES

ALL WORK WILL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND ADOPTED REFERENCE DESIGN STANDARDS BY PORTLAND MAINE, AND THEIR AMENDMENTS.

BUILDING CODE & EDITION: 2009 ADOPTED IBC WITH AMENDMENTS

FIRE CODE & EDITION: NFPA 1 ADOPTED & AMENDMENTS

MECHANICAL CODE & EDITION: BOCA NATIONAL MECH CODE & AMENDMENTS

ELECTRICAL CODE & EDITION: 2007 ADOPTED NEC & AMENDMENTS

NFPA 72 EDITION: 2010

CONFLICTS BETWEEN THE REFERENCE NFPA STANDARDS, FEDERAL OR STATE CODES SHALL BE BOUGHT TO THE IMMEDIATE ATTENTION OF THE INSTALLING CONTRACTOR.

PROJECT INFORMATION

PROJECT NAME: PORTLAND RETIREMENT RESIDENCE

LOCATION: PORTLAND MAINE

FIRE PROTECTION: SPRINKLER, PER NFPA 13

OCCUPANCY: "I, B, A-2, A-3"

BUILDING SQ FT: 137,888SQFT

FIRE ALARM SHEET INDEX

SHEET:

FA-1 MAIN FIRE ALARM SYSTEM, DESIGN NOTES, INSTALLATION NOTES, LEGEND, APPLICABLE CODES, WIRE LEGEND, RISER DIAGRAM, INPUT/OUTPUT MATRIX

FA-2 1ST FLOOR

FA-3 2ND FLOOR

FA-4 3RD FLOOR

FA-5 4TH FLOOR

FA-6 RISER DIAGRAM

- KEYED NOTES**
- CONNECT TO DOOR CONTROLLER. UPON SMOKE CONTROL ACTIVATION RELAY ACTIVATES DOOR OPENER TO OPEN DOOR. INSTALL 2 CONDUCTORS FROM RELAY TO ABOVE DOOR FRAME FOR DOOR LARGER TO CONNECT.
 - CONNECT TO DOUBLE DOORS UPON SMOKE CONTROL ACTIVATION RELAY ACTIVATES TO DOORS. INSTALL 2 CONDUCTORS FROM RELAY TO ABOVE DOOR FRAME FOR DOOR HARDWARE TO CONNECT.
 - ATRUM SMOKE CONTROL - MANUAL ON-OFF
 - SOUND SYSTEM SHUNT RELAY - THEATER LIGHTING CONTROL ILLUMINATION ON
 - KITCHEN HOOD SUPPRESSION SYSTEM MONITORING
 - MOUNT HEAT DETECTOR WITHIN 2' OF SPRINKLER HEAD
 - CONNECT TO FSD CIRCUIT. FSD TO CLOSE UPON ALARM
 - DOOR EQUIPPED WITH AUTO CLOSER AND SMOKE SEAL
 - PROVIDE RELAY - RELAY TO OPEN ELEVATOR DRUMS: WAIT UPON ALARM
 - SMOKE DETECTOR TO ANNUNCIATE ALARM AND ACTIVATE ATRUM SMOKE CONTROL
 - FACP INSTALL 12V 6AH BATTERIES
 - REQUIRED 120V 20AMP DEDICATED CIRCUIT, LABEL CIRCUIT AS FIRE ALARM. NOTE CIRCUIT NUMBER AND LOCATION IN SIDE DOOR OF FACP & FAPS.
 - PROVIDE 2 DEDICATED PHONE LINES FOR COMMUNICATIONS TO REMOTE MONITORING STATION
 - DUCT DETECTOR INSTALLED BY OTHERS. PROVIDE REMOTE TEST SWITCH AND LABEL ACCORDS TO CORRESPONDING RHYTHM UNIT
 - CO DETECTOR INSTALLED AND MONITORED BY FA CONTRACTOR.
 - 88-F1 CONTROL DAMPERS TO OPEN UPON ATRUM SMOKE EVAC ACTIVATION
 - ELECTRIC STRIKE TO LATCH KITCHENDOORS UPON ATRUM SMOKE CONTROL ACTIVATION - MONITOR POWER SUPPLY FOR LOW BATTERY & AC LOSS.
 - MONITOR ALL SPRINKLER FLOW, TAMPERS, PIV VALVES, AND PRESSURE SWITCHES AS REQUIRED. COORDINATE ALL LOCATIONS WITH SPRINKLER CONTRACTOR
 - VERIFY ALL ELEVATOR REQUIREMENTS WITH STATE, LOCAL, ANI, SPRINKLER AND ELEVATOR CONTRACTOR.

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NICET CERTIFIED

Christopher Mendel
06.29.17

Christopher Mendel, SET
NICET #96065
Fire Alarm Systems
Level IV (Exp. 03.01.19)

FA-2
FIRE ALARM
1ST FLOOR

PROJECT NO