OVERALL 1ST FLOOR FIRE ALARM SYSTEM

SCALE: NTS

OVERALL 2ND FLOOR FIRE ALARM SYSTEM

SCALE: NTS

OVERALL 3RD FLOOR FIRE ALARM SYSTEM

OVERALL ATTIC FLOOR FIRE ALARM SYSTEM

ATRIUM NOTES

NOTES:

1.907.2.14 ATRIUMS CONNECTING MORE THAN TWO STORIES.
A FIRE ALARM SYSTEM SHALL VE INSTALLED IN OCCUPANCIES WITH AN ATRIUM THAT CONNECTS MORE THAN TWO STORIES, WITH SMOKE DETECTION INSTALLED THROUGHOUT THE ATRIUM, THE SYSTEM SHALL BE ACTIVATED IN ACCORDANCE WITH SECTION 907.5. SUCH OCCUPANCIES IN GROUP A, E OR M SHALL BE PROVIDED WITH AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM COMPLYING WITH THE REQUIREMENTS OF SECTION 907.5.2.2.

WIRING

NOTES:

909.12.1 IN ADDITION TO MEETING REQUIREMENTS OF NFPA 70, ALL WIRING REGARDLESS OF VOLTAGE, SHALL BE FULLY ENCLOSED WITHIN A CONTINOUS RACEWAYS

ATRIUM SMOKE CONTROL OPERATION SEQUENCE

THIS AREA IS SERVED BY AN EARLY WARNING SMOKE DETECTION SYSTEM. ON A FIRE ALARM SIGNAL FROM THE AREAS SERVED BY THE SMOKE CONTROL SYSTEM THE FOLLOWING SEQUENCE SHALL OCCUR:

1. GENERAL FIRE ALARM IS ACTIVATED.
2. TWO SETS OF SLIDING DOORS AT THE FRON FOYER OPEN TO PROVIDE MAKEUP AIR.
3. TWO SETS OF SLIDING DOORS EXTERIOR AT REAR FOYER OPEN TO PROVIDE MAKEUP AIR.
4. DOUBLE SWINGING EXTERIOR DOORS NEAR THE PRIVATE DINING OPEN PROVIDING MAKEUP AIR.
5. SSF-1 LOCATED AT THE KITCHEN MECHANICAL WELL STARTS A MOTORIZED DAMPER IN TEH DUCT WORK FOR SSF-1 OPENS, SSF-1 PROVIDES MAKUP AIR TO THE MULTIPURPOSE ROOM.
6. TWO SEF FANS LOCATED AT THE CUPOLA START.

AUTO ON/OFF CONTROL FOR SMOKE CONTROL SYSTEM SHALL BE LOCATED IN THE FRONT FOYER AS SHOWN AND LABELED "SMOKE EVACUATION".

ATRIUM SMOKE CONTROL AREA

NOTES:

1.ATRIUM AREA

FIRST FLOOR.
HALL BETWEEN SMOKE DOORS AT KITCHEN & MAIN STAIRWAY
MAIN DINING ROOM
PRIVATE DINING
FRONT AND BACK FOYERS
CENTRAL LOUNGE
CLOSET UNDER STAIRS
HALL TO MEDIA ROOM

SECOND FLOOR
HALL BETWEEN SMOKE DOORS AT ELEVATOR AND AT MULTIPURPOSE ROOM
MULTIPURPOSE ROOM
TV ROOM
PC ROOM

THIRD FLOOR
CORRIDOR AROUND ATRIUM BETWEEN SMOKE DOORS

FOURTH FLOOR
CORRIDOR AROUND ATRIUM BETWEEN SMOKE DOORS

GROUP I-1

NOTES:

1. REQUIRED SINGLE AND MULTIPLE STATION SMOKE ALARMS ARE NOT PART OF THIS SCOPE OF WORK AND IS NOT SHOWN ON THESE PLANS. REFERENCE BUILDING SUBMITTAL PLANS FOR DEVICE LOCATIONS AND REQUIREMENTS.

2. SINGLE AND MULTIPLE STATION SMOKE ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 907 OF THE IFC

3. REQUIRED SINGLE AND MULTIPLE STATION SMOKE ALARMS WILL BE INSTALLED BY OTHERS.

4. INSTALLING TECHNICIANS IS TO ENSURE THAT THE REQUIRED SINGLE MULTIPLE STATION SMOKE DETECTORS ARE PRESENT BEFORE FINAL INSPECTION AND ACCEPTANCE TEST WITH THE THE LOCAL AHJ.

CEILING HEGHT

ALL CEILING HEIGTS ARE 10' OR LESS UNLESS OTHER WISE NOTED ON DRAWINGS

CEILING HEIGHT IS NOTED ON DRAWINGS AS OPEN TO ABOVE FOR AREAS THAT IS IN EXCESS OF 10'

CORRIDORS DROP CEILING

COMMON AREAS DROP CEILING

ROOMS GYP BOARD CEILING

DESIGN NOTES

1. THIS IS A NEW CONSTRUCTION OF AN I-1,B, A-2 & A-3 OCCUPANCY. THIS IS A FULLY SPRINKLED BUILDING. THIS IS A NON POWER LIMITED SYSTEM. THIS SYSTEM WILL BE ANALOG ADDRESSABLE. THE SYSTEM SHALL OPERATE AS A LOW VOLTAGE FIRE ALARM SYSTEM AND SHALL BE A COMPLETE SUPERVISED SYSTEM. INITIATION CIRCUITS SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS B, STYLE B. NOTIFICATION CIRCUITS SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS B, STYLE Y. SIGNALING LINE CIRCUITS SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS B STYLE 4. AUXILIARY CIRCUITS WERE NOT INSTALLED AS SIGNALING LINE CIRCUIT, SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS B STYLE W NOTIFICATION CIRCUITS.
2. PROVIDE FULL NOTIFICATION THROUGHOUT THE FACILITY AS REQUIRED, PROVIDE SYNCHRONIZATION FOR ALL VISUAL NOTIFICATION APPLIANCES, ATRIUM IS AN A OCCUPANCY PROVIDE WITH VOICE EVACUATION AS REQUIRED PER 907.2.14.
3. PROVIDE MONITORING CONNECTIONS TO SPRINKLER WATER FLOW SWITCHES, TAMPER SWITCHES, PRESSURE SWITCHES, PIV VALVES AND FIRE PUMP (INSTALLED BY OTHERS). PROVIDE ALL CABLING TO SWITCHES, FINAL WIRING CONNECTIONS AT SWITCHES AND SUPERVISION OF ALL WIRING CONNECTIONS.
4. PROVIDE DEDICATED 120VAC 20AM CIRCUITS TO THE FACP & FACPS, PRIMARY POWER SHALL COMPLY WITH NFPA 72. LABEL THE DEDICATED CIRCUIT "FIRE ALARM CIRCUIT" AND SHALL BE MECHANICALLY PROTECTED. MARKED IN RED. SHALL BE ACCESSIBLE TO AUTHORIZED PERSONNEL ONLY. SHALL BE IDENTIFIED AS FIRE ALARM CIRCUIT. LABEL LOCATION OF ELECTRICAL PANEL AND CIRCUIT NUMBER INSIDE FACP AS REQUIRED. INSTALLATION OF SURGE PROTECTION ON CONTROL PANELS AS REQUIRED BY LOCAL AHJ.
5. UPON LOSS OF BUILDING POWER, THE ENTIRE SYSTEM SHALL TRANSFER TO SECONDARY POWER WITHIN TEN SECONDS, AND WITHOUT LOSS OF SIGNALS. THE SYSTEM SHALL OPERATE UNDER NORMAL MONITORING AND ALARM CONDITIONS FOR TWENTY-FOUR HOURS (24) AND HAVE SUFFICIENT POWER TO SUPPORT COMPLETE ALARM CONDITION OPERATIONS FOR A SUBSEQUENT FIVE MINUTES (5) AT MAXIMUM CONNECTED LOAD.
6. PROVIDE (2) MEANS OF SIGNAL TRANSMISSION TO THE OFF SITE MONITORING FACILITY FOR MONITORING OF GENERAL ALARM, SUPERVISORY AND TROUBLE CONDITIONS. REMOTE CENTRAL STATION, NO RUNNER SERVICE.
7. ANY RTU/AHU IN EXCESS OF 2000CFM SHALL HAVE A DUCT DETECTOR ON THE RETURN SIDE OF THE UNIT. HVAC TO MAKE FINAL CONNECTIONS OF THE FAN CONTROL SHUTDOWN TO THE DUCT DETECTOR RELAY. RTU FANS TO SHUTDOWN IMMEDIATELY UPON DETECTION OF AN ALARM. INSTALL REMOTE TEST SWITCHES AS REQUIRED BY NFPA 72 AND LOCAL AHJ.
8. MOUNT SMOKE AND HEAT DETECTORS PER MANUFACTURE INSTRUCTIONS AND AS REQUIRED BY NFPA 72. LOCATE ALL SMOKE DETECTORS A MINIMUM OF THREE (3) FEET FROM ANY MECHANICAL DIFFUSERS AND AS REQUIRED BY NFPA 72. ANY REQUIRED 120V SINGLE OR MULTIPLE STATION SMOKE DETECTORS ARE TO BE INSTALLED BY OTHERS AND MONITORED BY THE FIRE ALARM SYSTEM.
9. SMOKE AND HEAT DETECTOR HEADS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEAN UP OF ALL TRADES IS COMPLETE AND FINAL.
10. CONTROL OF ELEVATOR FOR FIRE FIGHTERS SERVICE WILL BE INSTALLED FOR PRIMARY, ALTERNATE RECALL, FIREMANS ALERT LAMP, ELEVATOR SHUNT TRIP AND MONITORING OF ELEVATOR POWER PER NFPA 72 AND COMPLY WITH ANSI/ASME A17.1\CSA B44a SAFETY CODE FOR ELEVATORS.
11. PROVIDEING MONITOR MODULES TO MONITOR KITCHEN HOOD SUPPRESSION SYSTEM. KITCHEN HOOD SUPPRESSION SYSTEM WILL BE INSTALLED BY OTHERS AND MONITORED AS REQUIRED FOR SIGNAL INITIATION BY THE FIRE ALARM SYSTEM.
12. PROVIDING SMOKE DETECTORS FOR SMOKE DOORS HOLDER. THE UTILIZATION OF THE SMOKE DETECTORS TO ACCOMPLISH DOOR RELEASE WILL BE IN ACCORDANCE WITH NFPA 72.
13. PROVIDING SMOKE EVACUATION SYSTEM FOR ATRIUM PER CODE REQUIREMENT. THE UTILIZATION OF THE SMOKE DETECTORS TO ACCOMPLISH SMOKE CONTROL FOR THE ATRIUM SMOKE EVACUATION WILL BE IN ACCORDANCE WITH NFPA 72.
14. ALL THROUGH PENETRATIONS OF FIRE -RATED WALLS AND FLOORS SHALL BE FIRE-STOPPED.
15. ALL JUNCTION BOXES SHALL BE ACCESSIBLE FOR SERVICE. PROVIDE ANY REQUIRED ACCESS PANELS
16. ALL WIRING CALCULATION (LOAD & VOLTAGE DROP) AND THE BATTERY CALCULATIONS ARE ACCURATE AND ADEQUATE

INSTALLATION NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA STANDARDS AND ALL LOCAL ADOPTED CODES.
2. ALL CEILING MOUNTED NOTIFICATION SPACING BASED ON CEILING HEIGHTS AS REQUIRED BY NFPA 72.
3. ALL WALL MOUNTED NOTIFICATIONS DEVICES TO BE MOUNTED AT A MINIMUM OF 80" A.F.F. TO TOP OF LENS PER NFPA 72.
4. SEE WIRING LEGEND FOR CABLE TYPES AND SIZES.
5. FIRE ALARM CABLING SHALL BE PLENUM RATED. ALL FIRE ALARM CABLING UNDERGROUND SHALL BE RATED FOR WET LOCATION.
6. FIRE ALARM CABLING SHALL BE ACCEPTABLE TO THE FIRE ALARM EQUIPMENT MANUFACTURER. FOR THE INTENDED PURPOSE.
7. CABLE ROUTING SHALL BE COORDINATED WITH OTHER TRADES IN THE FIELD. FOLLOW DRAWING NOTES FOR SPECIFIC AND ACCEPTABLE INSTALLATION METHODS.
8. ALL FIRE ALARM CONDUIT, FITTINGS, AND BACK BOXES SHALL BE PROVIDED AS REQUIRED BY CODE.
9. ALL CABLE RUNS SHALL BE NEATLY BUNDLED, WRAPPED TIGHT AND PROPERLY SECURED TO THE STRUCTURE.
10. ALL CABLING SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND NOT FROM GRID, TILES, OR SUPPORT WIRES. EXPOSED CABLING SHALL BE SUPPORTED BY BUILDING STRUCTURE AT NO MORE THAN FIVE (5) FOOT INTERVALS.
11. ALL JUNCTION BOXES AND SHALL BE INSTALLED TIGHT TO STRUCTURE OR AT THE BOTTOM OF THE STRUCTURE JOISTS. ALL JUNCTION BOXES AND CABLE SPLICES SHALL BE ACCESSIBLE FOR SERVICE. PROVIDE ANY REQUIRED ACCESS PANELS.
12. ALL WIRING CONDUCTORS FOR THE FIRE ALARM SYSTEM WITHIN SEVEN FEET OR LESS ABOVE THE FINISHED FLOOR OR SUBJECT TO PHYSICAL DAMAGE, NON POWER LIMITED OR WHERE REQUIRED BY APPLICABLE CODES SHALL BE INSTALLED IN CONDUIT.
13. ALL FIRE ALARM CABLING RISERS SHALL BE INSTALLED IN METALLIC CONDUIT.
14. ALL CABLING, CONDUIT, AND BACK BOXES SHALL BE PROPERLY SUPPORTED AND SEISMICALLY BRACED, AS REQURED BY ALL APPLICABLE CODES AND LOCAL JURISDICTION.
15. FIRE ALARM CONDUCTORS SHALL BE ACCEPTABLE TO THE FIRE ALARM EQUIPMENT MANUFACTURER FOR THE INTENDED PURPOSE. SHOULD MANUFACTURE REQUIRE DIFFERENT TYPE OF CABLE THAN HERE IN SPECIFIED THE LARGER OR MORE STRINGENT TYPE OF CABLE SHALL BE USED.
16. CONDUIT SHALL ENTER INTO THE FIRE ALARM PANELS ONLY AS APPROVED BY THE EQUIPMENT MANUFACTURER.
17. THE FIRE ALARM INSTALLER SHALL RED LINE ALL CHANGES TO THE PROVIDED DRAWING AND SUBMIT TO DESIGNER FOR AS-BUILT DRAWINGS. AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE CUSTOMER UPON COMPLETION OF PROJECT.
18. THE FIRE ALARM INSTALLER SHALL PRETEST ALL DEVICES AND VERIFY ALARM SIGNALS WITH THE MONITORING ENTITY BEFORE FINAL ACCEPTANCE TEST WITH THE LOCAL AHJ.
19. THE FIRE ALARM INSTALLER SHALL PROVIDE TRAINING OF AVAILABLE MANAGEMENT STAFF ON SYSTEM OPERATIONS.

EQUIPMENT LEGEND

FACP	FIRE ALARM CONTROL PANEL W/VOICE EVAC MIRCOM FX-2000MNS WITH SLCE & VOICE	MOUNT 60" A.F.F TO CENTER OF BX	(1)
P/R	SMOKE DETECTOR P= PHOTO R= RELAY BASE B224RB ADDRESSABLE MIRCOM 2251B	CEILING MOUNT 3.5 TO 4.0 OCT BX	(170)
	HEAT DETECTOR ADDRESSABLE MIRCOM 5251B	CEILING MOUNT 3.5 TO 4.0 OCT BX	(15)
DS/R	DUCT DETECTOR R=REMOTE TEST SWITCH R=RETURN SIDE S=SUPPLY SIDE INSTALLED BY OTHERS MONITORED BY FA	INSTALLED BY OTHERS	(3)
F	MANUAL PULL STATION - DUAL ACTION ADDRESSABLE MIRCOM 710ADU	MOUNT 48" A.F.F SINGLE GANG BX	(39)
M	MONITOR MODULE ADDRESSABLE MIRCOM MIX M500M	4 SQ BACK BX	(54)
R	ADDRESSABLE RELAY ADDRESSABLE MIRCOM MIX M500R	4 SQ BACK BX	(25)
R	10AMP CONVENTIONAL RELAY SPACE AGE MR101CR	HOUSING PROVIDED	(8)
	24 VOLT DOOR HOLDER DFX 1224	RECESS BACK BOX PROVIDED	(32)
CO	24 VOLT CO DETECTOR MIRCOM CO122AT	4 SQ BACK BX	(6)
SP/X	SURGE PROTECT (1) DTK-TSS1 (4) DTK-LVLP 1= SLC, NAC 2= 120V AC, SLC, IDC/PIV, NAC, TELEPHONE	AS REQURED	
FAA	REMOTE ANNUNCIATOR MIRCOM RAXN-LCD	RECESS BACK BOX PROVIDED	(1)
SMK	SMOKE EVAC CONTROL PANEL MIRCOM FX008	RECESS BACK BOX PROVIDED	(1)
M/C	SMOKE EVAC CONTROL PANEL MIRCOM QMP-5101	RECESS BACK BOX PROVIDED	(1)
PS1	NOTIFICAITON POWER SUPPLY MIRCOM INX-10A	MOUNT 60" A.F.F TO CENTER OF BOX	(9)
	WALL MOUNTED VISUAL APPLIANCE SYSTEM SENSOR SW	4 SQ BACK BX SINGLE GANG BX MUD RING	(36)
	WALL MOUNTED AUDIBLE/VISUAL APPLIANCE SYSTEM SENSOR P2W	4 SQ BACK BX SINGLE GANG MUD RING	(42)
	WALL MOUNTED WEATHER PROOF AUDIBLE/VISUAL APPLIANCE SYSTEM SENSOR P2WR	4 SQ BACK BX SINGLE GANG MUD RING	(1)
	WALL MOUNTED HIGH CANDELA LOW FREQ AUDIBLE/VISUAL APPLIANCE SYSTEM SENSOR P2WH-LF	4 SQ BACK BX	(16)
	WALL MOUNTED AUDIBLE APPLIANCE LF=LOW FREQUENCY SYSTEM SENSOR HW-LF	SINGLE GANG MUD RING	(147)
	WALL MOUNTED SPEAKER/VISUAL HI= HIGH CANDELA SYSTEM SENSOR SPSW OR SPSWH	4 SQ BACK BX DEEP	(37)
	WALL MOUNTED SPEAKER DEVICE SYSTEM SENOSR SPW	4 SQ BACK BX DEEP	(4)
J	JUNCTION BOX AS REQUIRED RISER TO UPPER FLOOR		

WIRE LEGEND

CABLING RACE WAY SIZE TYP 3/8" MC

CONDUCTOR TYPE:

16/2 FPLP- SLC CIRCUIT
18/2 FPLP - DATA BUS
14/2 FPLP - NOTIFICATION
16/2 FPLP - 24V CIRCUIT
16/2 FPLP - SPEAKER CIRCUIT

APPLICABLE CODES

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

BUILDING CODE & EDITION: 2009 ADPOPTED 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:	SPRINKLED, PER NFPA 13
OCCUPANCY:	"I-1, B, A-2, A-3"
BUILDING SQ FT:	137,938SQFT

FIRE ALARM SHEET INDEX

SHEET#	DESCRIPTION
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

RATED WALL FIRE STOP DETAIL

SYSTEM NO. W-L-1001
FIRESTOPPING CONFIG. "A"
ONE AND TWO HOUR RATED WALLS

NOTES:
1. ENTIRE ASSEMBLY TO BE U.L. APPROVED. REFER TO U.L. BUILDING MATERIALS DIRECTORY SYSTEM NO. W-L-1001 CONFIGURATION "A" FOR ADDITIONAL INFORMATION.

2. CAULK FILL MATERIAL FORCED INTO ANNULAR SPACE TO MAXIMUM 3/16" IN. AND WITH A MINIMUM 1/4" IN. DIAMETER CONTINUOUS BEAD OF CAULK APPLIED TO THE DIAMETER OF CONDUIT AT ITS EGRESS FROM THE WALL. MANUFACTURER "MINNESOTA MINING AND MANUFACTURING CO."- TYPE CP-25 S/L, CP-25 N/S.

MOUNTING REQUIREMENTS (NFPA 72, 2010)

KEYNOTE:
1. REFERENCE POINT-TO-POINT DEVICE DETAILS OR PRODUCT SUBMITTAL DATA SHEETS FOR BACK BOX REQUIREMENTS OF INDIVIDUAL UNITS.
2. MANUAL PULL STATION INSTALLATION TO BE IN COMPLIANCE WITH NFPA 72 & ADA 4.27.4.

WIRING METHODS

ALWAYS BREAK A WIRE BEFORE CONNECTING IT TO A FIRE ALARM DEVICE, NEVER LOOP AN UNBROKEN WIRE UNDER ANY TERMINAL.

CONNECT ONLY TWO WIRES UNDER EACH WIRE NUT OR TERMINAL.

TITLE SHEET - FIRE ALARM SYSTEM

SCALE: NTS

FIRE ALRM MATRIX

	A-ALARM CONDITION AT FIRE ALARM CONTROL PANEL	A-ALARM CONDITION AT FIRE ALARM REMOTE ANNUNCIATOR	T-ALARM SENDS A ALARM TO REMOTE SUPERVISORY STATION	S-SUPERVISORY CONDITION AT FIRE ALARM CONTROL PANEL	T-SUPERVISORY CONDITION AT FIRE ALARM REMOTE ANNUNCIATOR	TROUBLE CONDITION AT FIRE ALARM CONTROL PANEL	TROUBLE CONDITION AT FIRE ALARM REMOTE ANNUNCIATOR	T-ALARM SENDS TROUBLE TO REMOTE SUPERVISORY STATION	A-ACTIVATE INTERIOR NOTIFICATION	A-ACTIVATE EXTERIOR NOTIFICATION	ACTIVATE ALL INSTALLED ALARM APPLIANCES	ACTIVATE ALL HEARING IMPAIRED SIGNAL NOTIFICATION DEVICES	ACTIVATE RTU/AHU FAN SHUTDOWN	ACTIVATE PRIMARY ELEVATOR RECALL	A-ACTIVATE ALTERNATE ELEVATOR RECALL	A-ACTIVATE FIREMANS ALERT LAMP	ACTIVATE ELEVATOR SHUNT TRIP	O-PRIMARY ELEVATOR MANUAL VISIT	RELEASE TO CLOSE SMOKE DOORS	CLOSE ALL FIRE SMOKE DAMPERS	ACTIVATE ATRIUM SMOKE EVAC SYSTEM		
FIRE SPRINKLER SYSTEM																						
WATER FLOW SWITCH	●	●	●						●	●		●						●	●			
TAMPER SWITCH- RISER OR PIV				○	○	○																
MANUAL PULL STATION	●	●	●						●			●						●	●			
AREA SMOKE DETECTOR	●	●	●						●			●						●	●			
ATRIUM SMOKE DETECTOR	●	●	●						●			●						●	●	●		
HEAT DETECTOR DETECTOR	●	●	●						●			●						●	●			
HEARING IMPAIRED SMOKE DETECTION				○	○	○				○												
RTU/AHU DUCT DETECTOR DETECTOR				○	○	○					○											
SMOKE DET 1ST FL ELEV LOBBY	●	●	●						●			●		●				●	●			
SMOKE DET ELEV LOBBY 2-4	●	●	●						●				●									
SMOKE DET ELEV MACHINE ROOM	●	●	●						●				●		●							
SMOKE DET TOP OF ELEV SHAFT	●	●	●						●				●		●		●					
HEAT DET ELEV MACHINE ROOM/PIT	●	●	●						●						●	●						
HEAT DET TOP OF ELEV SHAFT	●	●	●						●						●	●	●					
KITCHEN HOOD SUPPRESSION SYSTEM	●	●	●						●			●						●	●			
LOSS OF 120VAC SHUNT TRIP VOLTAGE						○	○	○														
LOSS OF PRIMARY POWER FACP/FAPS						○	○	○														
ANY SYSTEM TROUBLE						○	○	○														

PORTLAND RETIREMENT RESIDENCE
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Approved Electronically
Date: 10/31/17

NO.	DATE	REVISIONS/ISSUE	COMMENTS	BY	CHKD
*	06.29.2017	REVIEW			

NICET CERTIFIED

Christopher Mendel
06.29.17

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

SHEET NO

FA-1

FIRE ALARM SYSTEM

PROJECT NO