LEGEND

SYMBOL	DESCRIPTION
	LIGHTING OR POWER PANEL
	CONDUIT EXPOSED
	CONDUIT CONCEALED IN WALL OR CEILING SPACE ONLY
	CONDUIT UNDER GROUND OR FLOOR
	EXISTING CONDUIT
	CONDUIT UP
	CONDUIT DOWN
	CONDUIT STUB OUT WITH PLASTIC BUSHING
	BRANCH CIRCUIT HOME RUN (#12 CONDUCTORS AND #12 GROUND, UNO)
	GROUNDING ELECTRODE PER CODES
	FLEXIBLE CONDUIT
(J) [J]	CODE SIZED JUNCTION BOX WITH COVER PLATE
	DUPLEX RECEPTACLE GFCI TYPE WITH WEATHER=PROOF IN USE LOCKABLE COVER
	SPECIAL EQUIP CONNECTION WITH LIQUID TIGHT FLEX TO MATCH EQUIPMENT
	DEMO EXISTING EQUIPMENT AS SHOWN
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM REMOTE LCD ANNUNCIATOR
NAC	FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL
MAP	FIRE ALARM GRAPHIC MAP
AES	AES RADIO DIALER FOR MONITORING
(SD)	FIRE ALARM SMOKE DETECTOR, S=SOUNDER BASE
(SD)D	FIRE ALARM DUCT SMOKE DETECTOR
(H)	FIRE ALARM FIXED HEAT DETECTOR, S=SOUNDER BASE, FD=FIXED DUAL CONTACT
(CO)	FIRE ALARM COMBINATION SMOKE/CARBON MONOXIDE DETECTOR, S=SOUNDER BASE
(F)	FIRE ALARM CONNECTION, TYPE AS NOTED ON PLANS
M	FIRE ALARM MONITOR MODULE
F	FIRE ALARM HORN/STROBE
	WALL MOUNTED FIRE ALARM STROBE, C=CEILING MOUNTED
	CEILING MOUNTED FIRE ALARM HORN/STROBE
(S)	CEILING MOUNTED FIRE ALARM SPEAKER, W=WALL MOUNTED
F	FIRE ALARM MANUAL PULL STATION, DUAL ACTION TYPE WITH PROTECTIVE COVER
(WF)	SPRINKLER WATERFLOW SWITCH PROVIDE POINT MODULE
(TS)	SPRINKLER TAMPER SWITCH PROVIDE POINT MODULE
(PS)	SPRINKLER PRESSURE SWITCH PROVIDE POINT MODULE
(J)	COMBINATION FIRE/SMOKE DAMPER
(B)	EXISTING FIRE ALARM NOTIFICATION DEVICE
RI	REMOTE INDICATOR/TEST STATION
RM	RELAY MODULE
DH	DOOR HOLDER
CNM	FIRE ALARM CONTROL NAC MODULE
SYNC	SYNC MODULE
	DUPLEX RECEPTACLE
	TELECOMMUNICATIONS OUTLET
	EXISTING LOCKDOWN BUTTON

ABBREVIATIONS

ABBRV	DESCRIPTION	ABBRV	DESCRIPTION
ACP	ACCESSIBLE CARD PATH	MH	MANHOLE
AC	AIR CONDITIONER	MDF	MAIN DISTRIBUTION FRAME
AFF	ABOVE FINISHED FLOOR	MDP	MAIN DISTRIBUTION PANEL
AFC	AVAILABLE FAULT CURRENT	M.C.	MECHANICAL CONTRACTOR
ATS	AUTOMATIC TRANSFER SWITCH	MLO	MAIN LUG ONLY
AL	ALUMINUM	MRS	MOTOR RATED SWITCH
BKR	BREAKER	MW	MICROWAVE
C	CONDUIT	(N)	NEW
CKT	CIRCUIT	N	NEUTRAL
C.O.	CONDUIT AND PULL WIRE ONLY	NEC	NATIONAL ELECTRICAL CODE
COMM	COMMUNICATION	NTS	NOT TO SCALE
CU	COPPER	OFCI	OWNER-FURNISHED,CONTRACTOR-INSTALLED
C/S	CLOCK SPEAKER	OFOI	OWNER-FURNISHED,OWNER-INSTALLED
CTRL	CONTROL	OL	OVERLOAD
DEMO	DEMOLISH, DEMOLITION	P	PHASE, POLE
DISC.	DISCONNECT	PNL	PANEL
DW	DISH WASHER	PS	PROJECTION SCREEN
(E)	EXISTING	PV	PHOTOVOLTAIC
EA	EACH	RCPT	RECEPTACLE
E.C.	ELECTRICAL CONTRACTOR	(RE)	REMOVE AND REPLACE EXISTING DEVICE
ECB	ENCLOSED CIRCUIT BREAKER	(R)	REVISED
EF	EXHAUST FAN	REX	REQUEST-TO-EXIT
EQP	EQUIPMENT	RH	RANGE HOOD
FAAP	FIRE ALARM ANNUNCIATOR PANEL	RNG	RANGE
FACP	FIRE ALARM CONTROL PANEL	REF	REFRIGERATOR
FLR	FLOOR	SDP	SECONDARY DISTRIBUTION PNL
F	FURNACE	SPECS	SPECIFICATIONS
(F)	FUTURE	SW	SWITCH
G.C.	GENERAL CONTRACTOR	SPD	SURGE PROTECTION DEVICE
GD	GARBAGE DISPOSAL	STB	SHUNT-TRIP BREAKER
GFI	GROUND FAULT INTERRUPTER	TEL	TELEPHONE
G, GND	GROUND	TELCOM	TELECOMMUNICATION
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	THRU	THROUGH
GFP	GROUND FAULT PROTECTION	TYP	TYPICAL
HH	HANDHOLE	UNO	UNLESS NOTED OTHERWISE
IDF	INTERMEDIATE DISTRIBUTION FRAME	W	WIRE
IR	IRRIGATION	W	WASHER
LTG	LIGHTING	WH	WATER HEATER
LCC	LIGHTING CONTROL CENTER	WP	WEATHER PROOF
LV	LOW-VOLTAGE	XFMR	TRANSFORMER
MECH	MECHANICAL		

GENERAL SEQUENCE NOTES

1. COORDINATE ALL WORK WITH KCHA AND SITE MANAGEMENT PRIOR TO WORK.
2. CALL MONITORING AGENCY TO SET THE FIRE ALARM SYSTEM TEST MODE PRIOR TO ANY WORK.
3. PROVIDE A SEQUENCE OF WORK PRIOR TO WORK. SEQUENCE TO INCLUDE TYPE OF WORK, DATE, TIME START, TIME END, ANY FIRE WATCH REQUIREMENT, AND DESCRIPTION OF WORK.
4. THE FOLLOWING IS AN OPINION OF SEQUENCE OF REPLACEMENT. CONTRACTOR IS RESPONSIBLE TO PROVIDE A SEQUENCE OF REPLACEMENT TO THE OWNER AND GET IT APPROVED.
5. PROVIDE LABELING PER SPECIFICATIONS.
6. FIRE ALARM CONTRACTOR TO PROVIDE SHOP DRAWINGS PER RCW 39.04.290 AND GET APPROVAL FROM AHJ, SUBMIT SHOP DRAWINGS DIRECTLY TO THE KCHA PROJECT TEAM, AND ENGINEER OF RECORD FOR FINAL APPROVAL.
7. PRE-BUILD AND PROGRAM ALL NEW FIRE ALARM PANEL PRIOR TO INSTALLATION IN FIELD.
8. DURING FIRE ALARM PRE-TEST AND FULL FUNCTION TESTING FIRE ALARM CONTRACTOR TO DO A FULL "RED LINE" AS-BUILT DRAWINGS OF ALL EXISTING FIRE ALARM DETECTORS, DEVICES, AUDIO, VISUAL, FIRE/SMOKE DAMPER, MECHANICAL UNIT CONNECTIONS, RELAY INTERFACES, ETC. CONTRACTOR SHALL SUBMIT IT TO KCHA A COMPLETE AS-BUILT DRAWINGS OF ALL EXISTING FIRE ALARM SYSTEM. FIRE ALARM CONTRACTOR TO PROVIDE A RECOMMENDATION OF DEFICIENCIES MARK IN BLUE ON THE RED LINE AS-BUILT DRAWINGS.
9. CONTRACTOR TO BE RESPONSIBLE TO PROVIDE ALL NFPA-72 FIRE ALARM TESTING DOCUMENTS MARKED UP AS-BUILT DRAWINGS, INPUT AND OUTPUT TEST MATRIX, AND FORMS. COORDINATE ALL WORK AND TESTING INSPECTIONS WITH OWNER.
10. SEQUENCE 1 - START WITH MAIN FIRE ALARM PANEL IN THE 1ST FLOOR ELECTRICAL/MECHANICAL ROOM. TRACE ALL EXISTING FIRE ALARM CABLING TO EXISTING FIRE ALARM FIELD DEVICES AND LABEL. PROVIDE A FULL TEST OF THE EXISTING FIRE ALARM PANEL DEVICES AND FUNCTIONS. PROVIDE GUTTER OR TERMINAL CABINET ABOVE EXISTING FIRE ALARM PANEL TO DO THE CUT OVER FROM EXISTING FIRE ALARM PANEL TO NEW FIRE ALARM PANEL. DISCONNECT SOURCE POWER TO EXISTING FIRE ALARM PANEL. PLACE THE EXISTING FIRE ALARM PANEL AND NAC PANELS ON THE FLOOR TEMPORARY AND EXTEND POWER WIRING AND FIRE ALARM CABLING TO THEM. INSTALL NEW FIRE ALARM PANEL AND NAC PANELS IN THE SAME LOCATION AS THE EXISTING FIRE ALARM EQUIPMENT.
11. INSTALL NEW AES RADIO PANEL WITH ANTENNA. CONTRACTOR TO COORDINATE WITH SMITH FIRE TO INSTALLATION OF NEW AES RADIO WITH ANTENNA. PROGRAM NEW FIRE ALARM PANEL TO TRANSMIT EVENT SIGNALS TO CENTRAL STATION MONITORING. PROVIDE A TEST PER NFPA-72. PROVIDE A FULL TEST OF THE EXISTING FIRE ALARM PANEL DEVICES AND FUNCTIONS.
12. SEQUENCE 2 - WORK 0N 1ST FLOOR INSTALL NEW DEVICES ADJACENT TO THE EXISTING FIRE ALARM DEVICES. PROVIDE A TEST PER NFPA-72. PROVIDE A FULL TEST OF THE EXISTING AND NEW FIRE ALARM DEVICES FUNCTIONS.
13. SEQUENCE 3 - WORK 0N 2ND FLOOR INSTALL NEW DEVICES ADJACENT TO THE EXISTING FIRE ALARM DEVICES. PROVIDE A TEST PER NFPA-72. PROVIDE A FULL TEST OF THE EXISTING AND NEW FIRE ALARM DEVICES FUNCTIONS.
14. SEQUENCE 4 - WORK 0N 3RD FLOOR INSTALL NEW DEVICES ADJACENT TO THE EXISTING FIRE ALARM DEVICES. PROVIDE A TEST PER NFPA-72. PROVIDE A FULL TEST OF THE EXISTING AND NEW FIRE ALARM DEVICES FUNCTIONS.
15. SEQUENCE 5 - FINAL CUTOVER AFTER NEW FIRE ALARM SYSTEM HAS INSTALLED AND IN OPERATION COMPLETE. REMOVE THE EXISTING FIRE ALARM SYSTEM.
16. PROVIDE ELECTRICAL INSPECTION PER EACH SEQUENCE. PROVIDE ELECTRICAL REPORT. FIX ANY ISSUES FOUND DURING ELECTRICAL INSPECTION.
17. TEST THE NEW FIRE ALARM SYSTEM WITH THE CONNECT TO THE AES RADIO. RECONNECT ALL EXISTING WIRING AND CABLING AND PROVIDE A TEST PER NFPA-72. PROVIDE A FULL TEST OF THE EXISTING DEVICES AND FUNCTIONS THAT WERE MAINTAIN DURING THE FIRE ALARM INSTALLATION.
18. PROVIDE LABELING PER SPECIFICATIONS.
19. PROVIDE PRE-TEST AND FULL FUNCTION TESTING OF ALL DOOR HOLDERS, DOOR RELEASES, ELEVATOR CONTROL RECALL, FIRE/SMOKE DAMPERS, AND HVAC UNITS SHUTDOWN PER EACH SEQUENCE. PROVIDE PRE-TEST COMMISSIONING REPORT. FIX ANY ISSUES FOUND DURING PRE-TEST. CONTRACTOR TO COORDINATE WITH ELEVATOR CONTRACTOR FOR ELEVATOR TEST WITH FIRE MARSHALL.
20. FIRE MARSHAL FINAL TEST, COMMISSIONING, AND FULL FUNCTION TESTING OF ALL DOOR HOLDERS, DOOR RELEASES, ELEVATOR CONTROL RECALL, FIRE/SMOKE DAMPERS, AND HVAC UNITS SHUTDOWN. PROVIDE FINAL TEST REPORT.
21. PROVIDE CLOSEOUT DOCUMENTS.
22. SEQUENCE 6 - DEMO EXISTING FIRE ALARM SYSTEM AFTER NEW FIRE ALARM SYSTEM HAS INSTALLED AND IN OPERATION COMPLETE. CONTRACTOR TO RETURN EXISTING AES RADIO PANEL WITH ANTENNA AND TRANSFORMER TO SMITH FIRE OR OWNER.
23. PROVIDE COVER FOR ALL OPEN J-BOXES, FIRE STOPPER, PATCH ALL HOLES, PAINT TO MATCH EXISTING, CLEAN UP ALL AREAS.

GENERAL NOTES

1. PROVIDE ALL MATERIAL AND LABOR RELATED TO THE INSTALLATION OF ELECTRICAL DEVICES PENETRATING INTO OR THROUGH FIRE RATED WALLS, FLOORS, OR CEILINGS, SUCH THAT THE FIRE RATING OF THE WALL IS MAINTAINED.
2. DO NOT TAKE MEASUREMENTS FROM PLANS FOR DEVICE LOCATIONS. FIELD VERIFY EXACT DEVICE AND EQUIPMENT LOCATIONS AND MOUNTING HEIGHTS WITH OWNER'S REPRESENTATIVE FOR PROPER INSTALLATION.
3. PROVIDE ALL BRANCH CIRCUIT CONDUCTORS/WIRES AS REQUIRED FOR COMPLETE OPERATION OF ALL DEVICES AND EQUIPMENT INDICATED.
4. REFER TO EQUIPMENT SCHEDULES FOR WIRING REQUIREMENTS NOT INDICATED ON POWER PLANS.
5. PROVIDE ALL NEW WIRING TO PANELS AND POWER DISTRIBUTION EQUIPMENT IN ACCORDANCE WITH ONE-LINE POWER DIAGRAM.
6. CONDUIT OR OTHER ELECTRICAL COMPONENTS SHALL NOT BE INSTALLED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED BY STRUCTURAL ENGINEER.
7. PROVIDE SEPARATE NEUTRAL FOR EACH CIRCUIT, NO SHARED NEUTRAL.
8. WIRING RACEWAY SYSTEMS SHALL BE CONCEALED, EXCEPT IN ELECTRICAL ROOM, MECHANICAL ROOM, AND UTILITY AREAS, OR AS OTHERWISE NOTED.
9. EXTERIOR MOUNTED ELECTRICAL DEVICES (SUCH AS DISCONNECT SWITCH, STARTER, SPEAKER, FIRE ALARM HORN, ETC.) SHALL UTILIZE NEMA-3R WEATHERPROOF COVERS.
10. ALL ONE-LINE DIAGRAMS AND CONDUIT ROUTING ARE SCHEMATIC AND DO NOT SHOW EXACT PHYSICAL ARRANGEMENT OF EQUIPMENT WHERE INDICATED ON DRAWINGS. ALL JUNCTION BOXES, AND PULLBOXES ARE MINIMUM REQUIREMENTS. PROVIDE FITTINGS AND PULLBOXES OF ADEQUATE SIZE IN THE RACEWAY SYSTEM WHEREVER NECESSARY OR REQUIRED BY NATIONAL ELECTRICAL CODE. COORDINATE ALL CONDUIT ROUTING, PULLBOX, AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS OF EQUIPMENT INSTALLATIONS. EMPTY CONDUITS SHALL HAVE PULL WIRES.
11. DURING PRE BID SITE WALK CONTRACTOR TO EXAMINE EXISTING CONDITIONS. INCLUDE IN WORK SCOPE ALL COSTS FOR CUTTING, PATCHING AND CORE DRILLING REQUIRED TO INSTALL CONDUIT AND OTHER WIRING METHODS THROUGH EXISTING WALLS, FLOORS AND OTHER BUILDING ELEMENTS (NOT SHOWN ON DRAWINGS).
12. INSTALLATIONS SHALL COMPLY WITH ALL APPLICATIONS ACCESSIBILITY CODES.
13. ALL PENETRATIONS IN WALLS SHALL BE SEALED TO THE ORIGINAL RATING OR BETTER.
14. PROVIDE ALL FIRE WATCH AS REQUIRED DURING CONSTRUCTION IF NEEDED. COORDINATE ACCESS WITH OWNER.

DRAWING INDEX

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ROGER W. ALT
STATE OF WASHINGTON
14798
REGISTERED
PROFESSIONAL ENGINEER

01/08/2025

PROJECT TITLE
KING COUNTY
HOUSING AUTHORITY
MUNRO MANOR
FIRE ALARM SYSTEM
REPLACEMENT

PROJECT ADDRESS
630 S. 152ND ST.
BURIEN, WA. 98148

100% BID SET

3
2
1

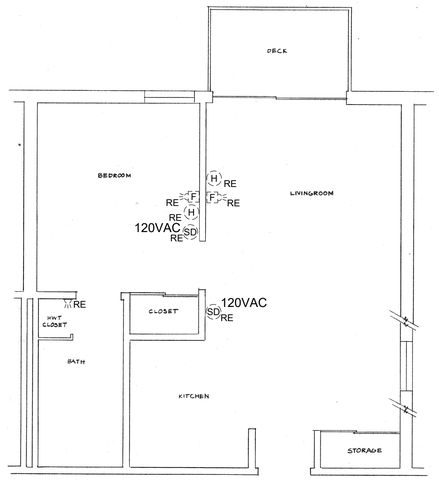
REVISION	DATE
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM LEGEND AND GENERAL REQUIREMENTS

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240801
CLIENT JOB #	KI2300365
SHEET SCALE	NTS

SHEET NUMBER
FA0.01

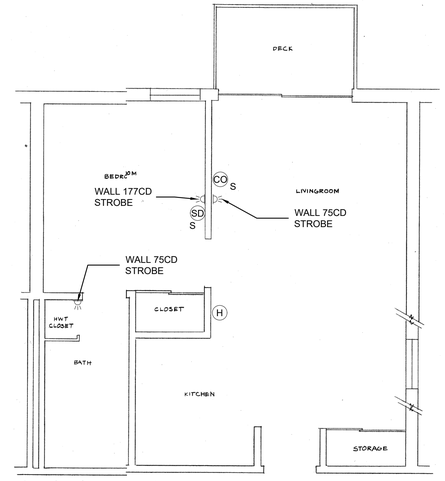
240805-FA0.01_FIRE ALARM
LEGEND AND GEN
1/8/2025 11:10:22361



DEMO TYPICAL ONE BEDROOM DWELLING UNIT

SCALE: 1/4"=1'-0"

0 2' 4' 8'

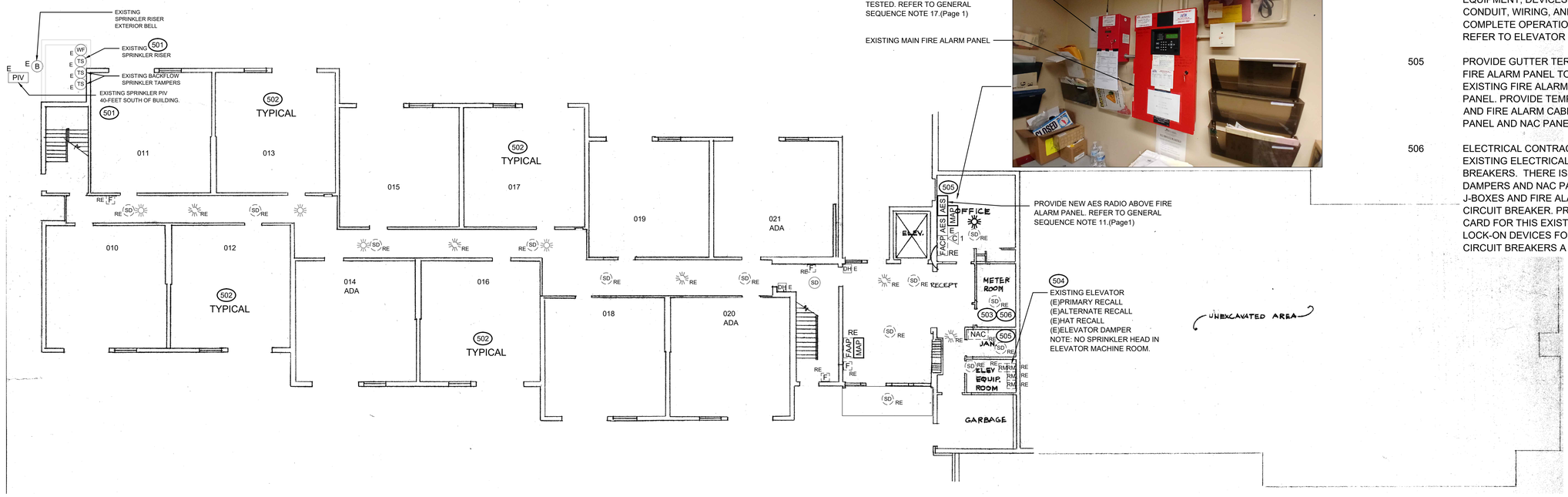


NEW TYPICAL ONE BEDROOM DWELLING UNIT

SCALE: 1/4"=1'-0"

0 2' 4' 8'

NOTE: THE ADA DWELLING UNIT FLOOR PLAN IS SIMILAR.



FIRE ALARM LOWER FLOOR PLAN

SCALE: 3/32"=1'-0"

0 4' 8' 16'

240805-FA5.00 FIRE ALARM LOWER FLOOR.dwg
1/8/2025 11:02:36

GENERAL REQUIREMENT NOTES

1. EQUIPMENT AND DEVICES SHOWN DASHED DARK AND WITH A (RE) ARE EXISTING TO BE DEMO OR REPLACED, UNLESS NOTED OTHERWISE. REPLACE EXISTING FIRE ALARM DEVICE WITH NEW ADDRESSABLE FIRE ALARM DEVICE. MAINTAIN EXISTING FIRE ALARM J-BOXES, AND CONDUIT AS REQUIRE BACK TO THE NEW FIRE ALARM PANEL.
2. EQUIPMENT AND DEVICES SHOWN LIGHT AND WITH A (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. PROVIDE NEW INTERFACE MODULES AS REQUIRED TO RECONNECT IS EXISTING EQUIPMENT OR DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.
3. ALL WORK SHALL COMPLY WITH THE LATEST NEC AND LOCAL CODE AND EXCEED CODE REQUIREMENTS WERE CALLED OUT BY KCHA PLANS AND SPECIFICATION.
4. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
5. UNLESS NOTED OTHERWISE ALL WIRING SHALL BE IN GALVANIZED RIGID STEEL OR EMT CONDUIT WITH MINIMUM TRADE SIZE OF 3/4-INCH.
6. COORDINATE ALL WORK WITH OWNER REPRESENTATIVE FOR WORK SCHEDULES DETAILS PRIOR TO DECOMMISSIONED, DEMOLITION, RELOCATION, SHUT DOWN OF FIRE ALARM PANELS AND PANELBOARDS & ETC.
7. PROVIDE PATCH AND PAINT AS REQUIRED FOR ALL NEW EQUIPMENT AND DEVICES.
8. PROVIDE ELECTRICAL AND FIRE ALARM WORK ACCORDING TO CONSTRUCTION PHASING SCHEDULES. AT THE END OF EACH AREA OF CONSTRUCTION PER PHASING PLANNING SCHEDULE, PROVIDE ELECTRICAL AND FIRE ALARM TESTING TO INSURE COMPLETION OF WORK IS SATISFACTORY FOR ACCEPTANCE.

PLAN NOTES

(###)

501 PROVIDE FIRE ALARM MONITOR DEVICES ON PLATE AS REQUIRE BY CODE FOR THE SPRINKLER RISER. CONNECT TO NEAREST EXISTING FIRE ALARM DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. REFER TO FIRE ALARM DIAGRAM.

502 REFER TO TYPICAL FOR ALL DWELLING UNITS LAYOUT FLOOR PLAN SHEET FA5.00.

503 REPLACE EXISTING FIRE ALARM DEVICES AS INDICATED IN THE SPECIFICATIONS AND AS SHOWN ON DRAWINGS.

504 PROVIDE ELEVATOR CONTROL RELAYS AND MONITOR MODULES AS REQUIRED PER AHJ CODES. PROVIDE EQUIPMENT, DEVICES, RELAYS, I/O MODULES, J-BOXES, CONDUIT, WIRING, AND CONNECTIONS FOR A COMPLETE OPERATION SYSTEM FOR ELEVATOR. REFER TO ELEVATOR DIAGRAM ON SHEET FA5.10.

505 PROVIDE GUTTER TERMINAL CABINET ABOVE EXISTING FIRE ALARM PANEL TO DO THE CUT OVER FROM EXISTING FIRE ALARM PANEL TO NEW FIRE ALARM PANEL. PROVIDE TEMPORARY EXTEND POWER WIRING AND FIRE ALARM CABLING TO EXISTING FIRE ALARM PANEL AND NAC PANELS ON FLOOR.

506 ELECTRICAL CONTRACTOR TO TRACE OUT THE EXISTING ELECTRICAL PANELBOARD EMG CIRCUIT BREAKERS. THERE IS MISSED LABEL FIRE/SMOKE DAMPERS AND NAC PANELS. RELABEL ELECTRICAL J-BOXES AND FIRE ALARM PANELS WITH THE RIGHT CIRCUIT BREAKER. PROVIDE A NEW TYPED INDEX CARD FOR THIS EXISTING PANELBOARD. PROVIDE LOCK-ON DEVICES FOR EACH FIRE ALARM POWER CIRCUIT BREAKERS A MINIMUM OF 6.

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REGISTERED PROFESSIONAL ENGINEER

01/08/2025

PROJECT TITLE
KING COUNTY
HOUSING AUTHORITY
MUNRO MANOR
FIRE ALARM SYSTEM
REPLACEMENT

PROJECT ADDRESS
630 S. 152ND ST.
BURIEN, WA. 98148

100% BID SET

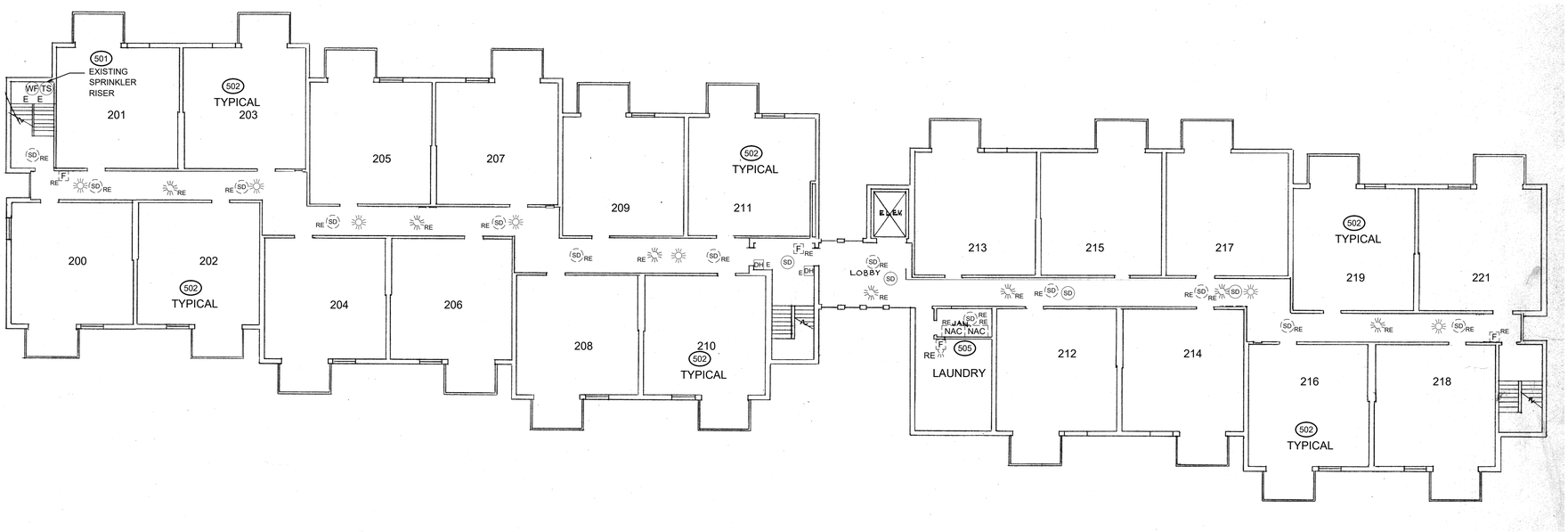
3
2
1

REVISION	DATE
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM LOWER FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240801
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

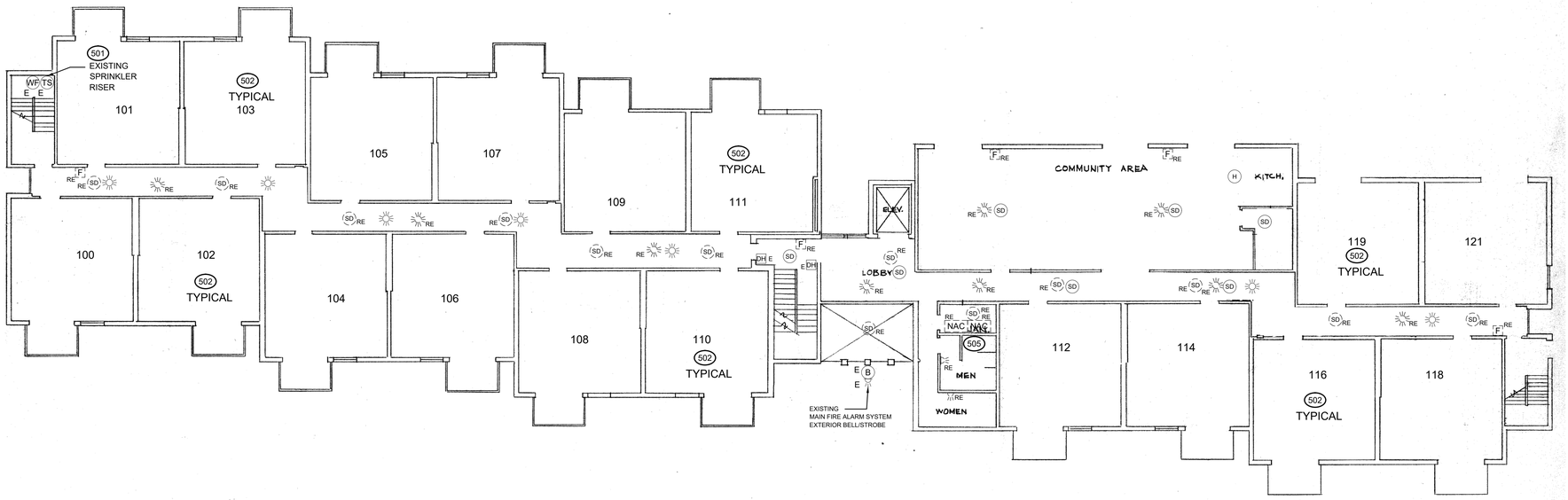
SHEET NUMBER
FA5.00



FIRE ALARM 2ND FLOOR PLAN

SCALE: 3/32"=1'-0"

0 4' 8' 16'



FIRE ALARM 1ST FLOOR PLAN

SCALE: 3/32"=1'-0"

0 4' 8' 16'

GENERAL REQUIREMENT NOTES

1. EQUIPMENT AND DEVICES SHOWN DASHED DARK AND WITH A (RE) ARE EXISTING TO BE DEMO OR REPLACED, UNLESS NOTED OTHERWISE. REPLACE EXISTING FIRE ALARM DEVICE WITH NEW ADDRESSABLE FIRE ALARM DEVICE. MAINTAIN EXISTING FIRE ALARM J-BOXES, AND CONDUIT AS REQUIRE BACK TO THE NEW FIRE ALARM PANEL.
2. EQUIPMENT AND DEVICES SHOWN LIGHT AND WITH A (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. PROVIDE NEW INTERFACE MODULES AS REQUIRED TO RECONNECT IS EXISTING EQUIPMENT OR DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.
3. ALL WORK SHALL COMPLY WITH THE LATEST NEC AND LOCAL CODE AND EXCEED CODE REQUIREMENTS WERE CALLED OUT BY KCHA PLANS AND SPECIFICATION.
4. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
5. UNLESS NOTED OTHERWISE ALL WIRING SHALL BE IN GALVANIZED RIGID STEEL OR EMT CONDUIT WITH MINIMUM TRADE SIZE OF 3/4-INCH.
6. COORDINATE ALL WORK WITH OWNER REPRESENTATIVE FOR WORK SCHEDULES DETAILS PRIOR TO DECOMMISSIONED, DEMOLITION, RELOCATION, SHUT DOWN OF FIRE ALARM PANELS AND PANELBOARDS & ETC.
7. PROVIDE PATCH AND PAINT AS REQUIRED FOR ALL NEW EQUIPMENT AND DEVICES.
8. PROVIDE ELECTRICAL AND FIRE ALARM WORK ACCORDING TO CONSTRUCTION PHASING SCHEDULES. AT THE END OF EACH AREA OF CONSTRUCTION PER PHASING PLANNING SCHEDULE, PROVIDE ELECTRICAL AND FIRE ALARM TESTING TO INSURE COMPLETION OF WORK IS SATISFACTORY FOR ACCEPTANCE.

PLAN NOTES

(###)	
501	PROVIDE FIRE ALARM MONITOR DEVICES ON PLATE AS REQUIRE BY CODE FOR THE SPRINKLER RISER. CONNECT TO NEAREST EXISTING FIRE ALARM DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. REFER TO FIRE ALARM DIAGRAM.
502	REFER TO TYPICAL FOR ALL DWELLING UNITS LAYOUT FLOOR PLAN SHEET FA5.00.
505	PROVIDE GUTTER TERMINAL CABINET ABOVE EXISTING FIRE ALARM PANEL TO DO THE CUT OVER FROM EXISTING FIRE ALARM PANEL TO NEW FIRE ALARM PANEL. PROVIDE TEMPORARY EXTEND POWER WIRING AND FIRE ALARM CABLING TO EXISTING FIRE ALARM PANEL AND NAC PANELS ON FLOOR.

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01/08/2025

PROJECT TITLE
KING COUNTY
HOUSING AUTHORITY
MUNRO MANOR
FIRE ALARM SYSTEM
REPLACEMENT

PROJECT ADDRESS
630 S. 152ND ST.
BURIEN, WA. 98148

100% BID SET

REVISION	DATE
3	
2	
1	
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM 1ST AND 2ND FLOOR PLANS

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240801
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.01

240805-FA5.01 FIRE ALARM 1ST and 2ND FLOORS.dwg
1/8/2025 11:02:26

GENERAL REQUIREMENT NOTES

1. EQUIPMENT AND DEVICES SHOWN DASHED DARK AND WITH A (RE) ARE EXISTING TO BE DEMO OR REPLACED, UNLESS NOTED OTHERWISE. REPLACE EXISTING FIRE ALARM DEVICE WITH NEW ADDRESSABLE FIRE ALARM DEVICE. MAINTAIN EXISTING FIRE ALARM J-BOXES, AND CONDUIT AS REQUIRE BACK TO THE NEW FIRE ALARM PANEL.
2. EQUIPMENT AND DEVICES SHOWN LIGHT AND WITH A (E) ARE EXISTING TO REMAIN, UNLESS NOTED OTHERWISE. PROVIDE NEW INTERFACE MODULES AS REQUIRED TO RECONNECT IS EXISTING EQUIPMENT OR DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM.
3. ALL WORK SHALL COMPLY WITH THE LATEST NEC AND LOCAL CODE AND EXCEED CODE REQUIREMENTS WERE CALLED OUT BY KCHA PLANS AND SPECIFICATION.
4. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
5. UNLESS NOTED OTHERWISE ALL WIRING SHALL BE IN GALVANIZED RIGID STEEL OR EMT CONDUIT WITH MINIMUM TRADE SIZE OF 3/4-INCH.
6. COORDINATE ALL WORK WITH OWNER REPRESENTATIVE FOR WORK SCHEDULES DETAILS PRIOR TO DECOMMISSIONED, DEMOLITION, RELOCATION, SHUT DOWN OF FIRE ALARM PANELS AND PANELBOARDS & ETC.
7. PROVIDE PATCH AND PAINT AS REQUIRED FOR ALL NEW EQUIPMENT AND DEVICES.
8. PROVIDE ELECTRICAL AND FIRE ALARM WORK ACCORDING TO CONSTRUCTION PHASING SCHEDULES. AT THE END OF EACH AREA OF CONSTRUCTION PER PHASING PLANNING SCHEDULE, PROVIDE ELECTRICAL AND FIRE ALARM TESTING TO INSURE COMPLETION OF WORK IS SATISFACTORY FOR ACCEPTANCE.

PLAN NOTES

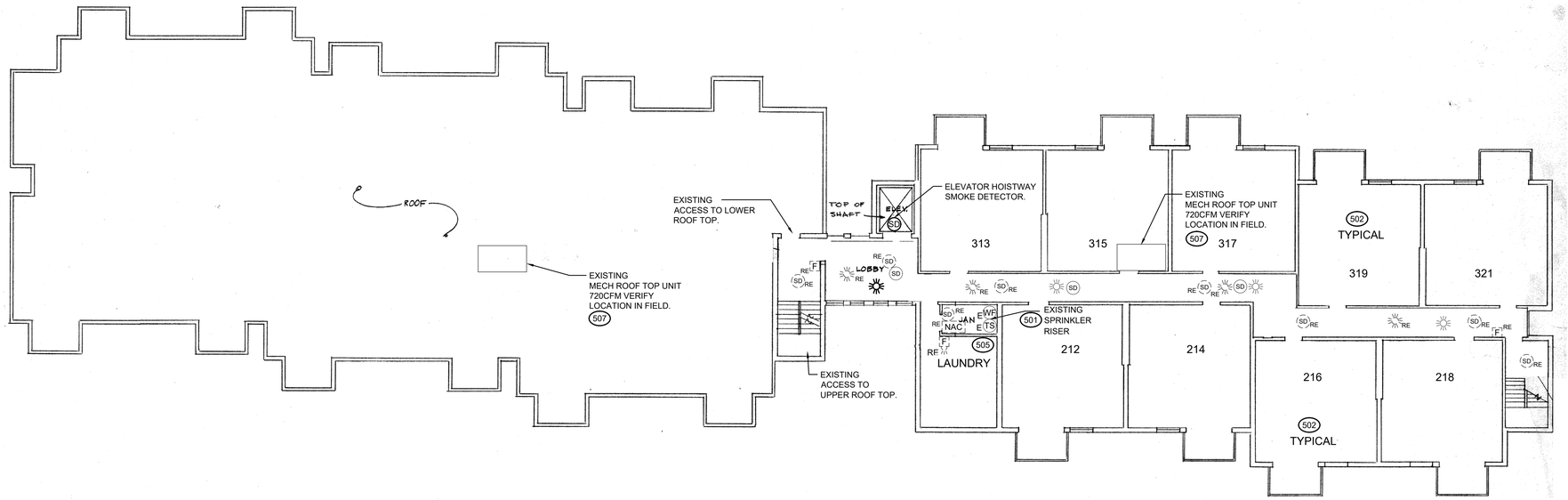
(###)

501 PROVIDE FIRE ALARM MONITOR DEVICES ON PLATE AS REQUIRE BY CODE FOR THE SPRINKLER RISER. CONNECT TO NEAREST EXISTING FIRE ALARM DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. REFER TO FIRE ALARM DIAGRAM.

502 REFER TO TYPICAL FOR ALL DWELLING UNITS LAYOUT FLOOR PLAN SHEET FA5.00.

505 PROVIDE GUTTER TERMINAL CABINET ABOVE EXISTING FIRE ALARM PANEL TO DO THE CUT OVER FROM EXISTING FIRE ALARM PANEL TO NEW FIRE ALARM PANEL. PROVIDE TEMPORARY EXTEND POWER WIRING AND FIRE ALARM CABLING TO EXISTING FIRE ALARM PANEL AND NAC PANELS ON FLOOR.

507 REFER TO FIRE ALARM ASSESSMENT REPORT EXISTING FIRE ALARM SYSTEM INTERFACE INFORMATION SECTION #3 DUCT DETECTOR FOR ADDITIONAL INFORMATION.



FIRE ALARM 3RD FLOOR PLAN

SCALE: 3/32"=1'-0"

0 4' 8' 16'

240805-FA5.02 FIRE ALARM 3RD FLOOR.dwg
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REGISTERED
PROFESSIONAL ENGINEER

01/08/2025

PROJECT TITLE
KING COUNTY
HOUSING AUTHORITY
MUNRO MANOR
FIRE ALARM SYSTEM
REPLACEMENT

PROJECT ADDRESS
630 S. 152ND ST.
BURIEN, WA. 98148

100% BID SET

3
2
1

REVISION	DATE
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM 3RD FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240801
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

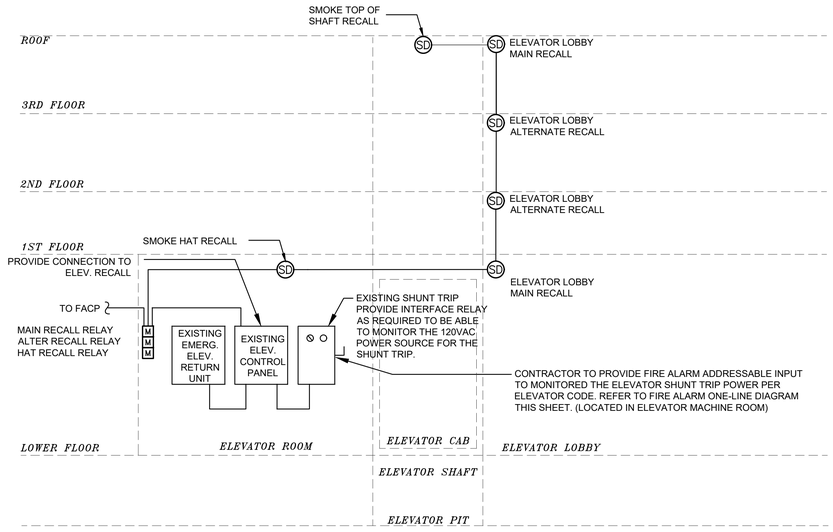
SHEET NUMBER
FA5.02

King County Housing Authority
Munro Manor
Building
Fire Alarm Control Panel
FACP
General
Input and Output Matrix

		System Outputs																		
		LATCHING	NON-LATCHING	ACTIVATION OF LOCAL ALARM AT FACP (LCD DISP. AUDIBLE INDICATION)	DISPLAY ALARM AT ANNUCIATOR	ACTIVATE ALL AUDIBLE/VISIBLE DEVICES & INCLUDING ALL DWELLING UNIT.	RELEASE DOOR HOLDERS AND SHUTDOWN COILING DOORS PER FLOOR	FIRE SMOKE DAMPERS	HVAC SHUNT DOWN	ELEVATOR MAIN RECALL	ELECTRICAL ALTERNATE RECALL	ELEVATOR HAT RECALL	ELEVATOR DAMPER	DWELLING UNIT SOUNDER BASES AND STROBES WITHIN THE UNIT.	TRANSMIT ALARM EVENTS TO CENTRAL STATION MONITORING	TRANSMIT SUPERVISORY EVENTS TO CENTRAL STATION MONITORING	TRANSMIT GENERAL TROUBLE EVENTS TO CENTRAL STATION MONITORING
System Inputs	FIRE ALARM PANEL	X		X	X										X			X
	PULL STATIONS	X		X	X	X	X	X							X			X
	SMOKE DETECTORS	X		X	X	X	X	X	X						X			X
	ELEVATOR LOBBY 1ST SMOKE DETECTOR	X		X	X	X	X	X	X		X		X		X			X
	ELEVATOR LOBBY ALL OTHER SMOKE DETECTORS	X		X	X	X	X	X	X	X			X		X			X
	ELEVATOR MACHINE ROOM SMOKE	X		X	X	X	X	Z	X		X	X	X		X			X
	ELEVATOR MACHINE POWER SHUNT LOSS		X	X	X			E									X	X
	SERVER ROOM SMOKE DETECTORS	X		X	X									X			X	X
	SERVER ROOM HEAT DETECTOR	X		X	X	X	X	X	X						X			X
	SPRINKLER WATER FLOW SWITCHES	X		X	X	X	X	X	X	X					X			X
	SPRINKLER TAMPER SWITCHES		X	X	X												X	X
	DWELLING UNIT KITCHEN HEAT DETECTOR	X		X	X	X	X	X	X					X	X			X
	DWELLING UNIT SMOKE DETECTOR		X		X	X								X			X	X
	DWELLING UNIT ANY 2 SMOKE DETECTORS	X		X	X	X	X	X	X					X	X			X

NOTES: ALL FIRE ALARM DEVICES SHALL REPORT TO CENTRAL STATION MONITORING BY POINT.

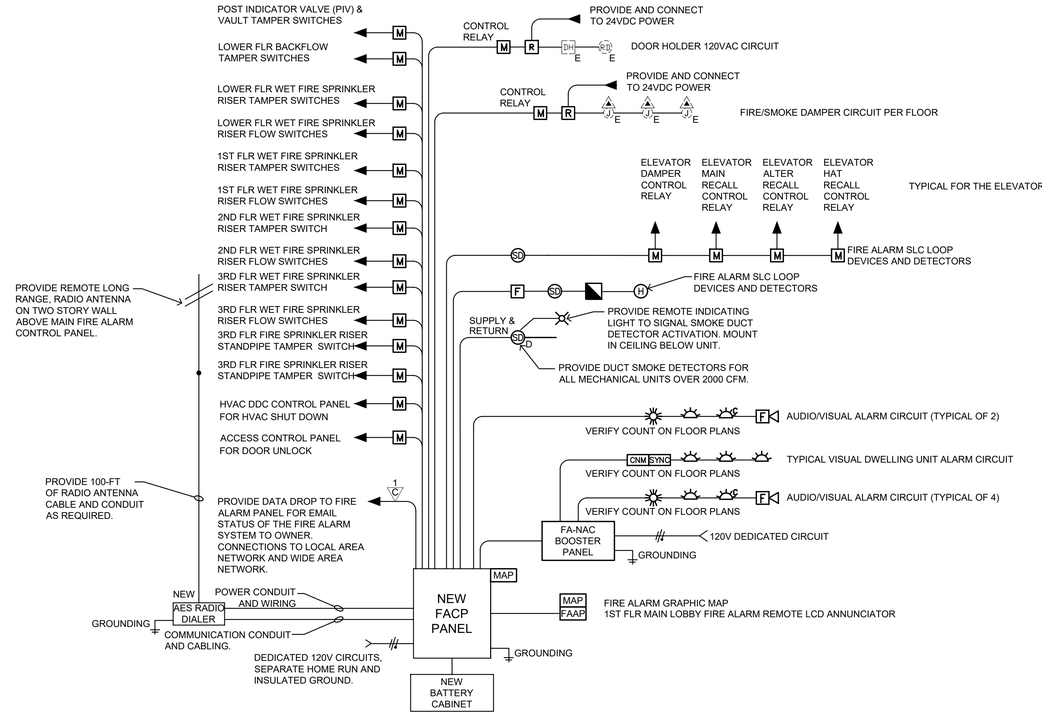
PROVIDE BYPASS SWITCHES AS REQUIRED MAINTAINING FIRE ALARM SYSTEM DURING MAINTENANCE AND ANNUAL INSPECTION.



1 FA5.10 ELEVATOR RECALL ONE-LINE DIAGRAM
SCALE:NTS

DIAGRAM NOTES:

1. CONTRACTOR TO PROVIDE ADDRESSABLE SMOKE DETECTORS IN ELEVATOR MACHINE ROOM AND ELEVATOR LOBBY FOR ELECTRICAL RECALL PROGRAM FUNCTIONS. CONTRACTOR TO PROVIDE THREE (3) ADDRESSABLE RELAY MODULES FOR ELECTRICAL RECALL MAIN, ALTERNATE, HAT PROGRAM FUNCTIONS PER ELEVATOR CODE. CONTRACTOR TO PROVIDE COMPLETE WIRING AND CONNECTIONS TO ELEVATOR CONTROLLER FOR COMPLETE OPERATION OF RECALL SYSTEM.
2. NO SPRINKLER HEAD IN THE ELEVATOR MACHINE ROOM AND HOISTWAY. NO SHUNT TRIP REQUIRED.
3. CONTRACTOR TO COORDINATE CONNECTION REQUIREMENTS WITH ELEVATOR SUPPLIER/CONTRACTOR PRIOR TO WORK.
4. CONTRACTOR TO PROVIDE COMPLETE POWER AND CONTROL CONNECTIONS TO ELEVATOR SYSTEM FOR COMPLETE OPERATION PER THE MANUFACTURER'S INSTRUCTIONS, WIRING DIAGRAMS, AND ALL CODES.



2 FA5.10 FIRE ALARM SYSTEM ONE-LINE DIAGRAM
SCALE:NTS

DIAGRAM NOTES:

1. PROVIDE ALL J-BOXES, CONDUIT, WIRING & CONNECTIONS TO ALL NEW DEVICES AS REQUIRED FOR COMPLETE FIRE ALARM SYSTEM.
2. NO OPEN OR EXPOSED FIRE ALARM CABLING.
3. REFER TO FLOOR PLAN AND SPECIFICATIONS FOR DEVICE COUNTS .
4. ALL DEVICES WILL BE MOUNTED IN AN ACCESSIBLE SPACE AND AT THE ELEVATION PER NFPA 72, ADA, AHJ CODES AND SPECIFICATIONS.
5. PROVIDE FLUSH MOUNT BACK BOXES FOR ALL DEVICES IN ALL FINISHED SPACE.
6. PROVIDE COMPLETE GROUNDING TO EQUIPMENT PER MANUFACTURERS RECOMMENDATION.
7. SEE FIRE ALARM SPECIFICATION FOR COMPLETE DETAILS.
8. PROVIDE NEW FIRE ALARM PANEL ADDRESSABLE.
9. PROVIDE SHUT DOWN CONNECTIONS FOR ALL HVAC UNITS OVER 2000CFM AND INSTALL DUCT DETECTORS AS REQUIRED.
10. PROVIDE LOCAL GENERAL ALARM CONTROL OF EACH DUCT DETECTOR AND GLOBAL CONTROL OF ALL DUCT DETECTORS.
11. PROVIDE CONTROL DEVICE AND CONNECTIONS TO ALL EXISTING FIRE/SMOKE DAMPERS IN THE BUILDING. PROGRAM CONTROL AS A GENERAL ALARM.
12. SET ALL VISUAL DEVICES TO PROVIDE THE RIGHT COVERAGE OF CANDELA FOR THE SPACE PER NFPA 72 AND AHJ CODES.
13. SET ALL AUDIO DEVICES TO TEMPORAL AND TO BE 15dB ABOVE AMBIENT SOUND LEVEL OF THE ROOM PER NFPA 72 CODES TABLE.
14. ALL AUDIO AND VISUAL DEVICE WILL BE SYNC PER NFPA 72 CODES.
15. PROVIDE COMPLETE PROGRAMMING OF SYSTEM TO UPDATE ALL ZONES, ADDRESSES, AND DIALER MONITORING BY POINTS.
16. PROVIDE COMPLETE SHOP PLANS FOR INSTALLATION AND AS-BUILT SET OF THESE PLANS ADJACENT TO FIRE ALARM PANEL ON COMPLETION.
17. PROVIDE A COPY OF THE CLOSEOUT DOCUMENT (CUT SHEET, OPERATIONAL MANUAL, POINT LIST, INPUT AND OUTPUT GROUP LIST, AND COMPLETE FORMS) ADJACENT TO FIRE ALARM PANEL
18. PROVIDE CD-ROM, DVD, OR FINGER DRIVE OF PROGRAM DATA AND POINT LIST IN FIRE ALARM PANEL AS REQUIRED BY NFPA 72 CODES.
19. PROVIDE FIRE ALARM CURRENT AES RADIO DIALER OR EQUAL WITH REMOTE LONG RANGE ANTENNA TO MONITOR ALL FIRE ALARM LOG EVENTS (ALARM, SUPERVISORY, AND TROUBLE) TO TRANSMIT TO UL LISTED CENTRAL STATION MONITORING IN THE STATE OF WASHINGTON. COORDINATE MONITORING COMPANY WITH OWNER KCHA. MOUNT RADIO DIALER ADJACENT TO THE MAIN FIRE ALARM PANEL. TEST RADIO FOR SIGNAL WITH NORMAL ANTENNA, IF NO SIGNAL THEN MOUNT REMOTE LONG RANGE ANTENNA ON THIRD STORY ROOF TOP. COORDINATE ROUTING OF RADIO ANTENNA CONDUIT AND LOCATION OF ROOF TOP ANTENNA WITH OWNER PRIOR TO INSTALLATION. PROVIDE 24VDC POWER FROM FIRE ALARM PANEL OR FIRE ALARM AUX POWER AND PROVIDE BATTERY-BACKUP IN RADIO DIALER. PROVIDE ALL EQUIPMENT, CONNECTIONS, AND PROGRAMMING FOR A COMPLETE OPERATIONAL SYSTEM.
20. PROVIDE ADDITIONAL NAC POWER SUPPLIES AS REQUIRED FOR NAC CIRCUITS AND 24VDC DOOR HOLDERS FOR A COMPLETE OPERATIONAL SYSTEM.
21. PROVIDE A NEW LOCKABLE KEYCHAIN - ELASTIC COIL STRETCH TETHER KEY LANYARD WITH MINIMUM 3-FOOT WIRE SPRING ROPE WITH NEW MANUFACTURE POTTER SIGNAL KEY AT EACH FIRE ALARM PANEL LOCATIONS.

GENERAL REQUIREMENT NOTES

1. ALL WORK SHALL COMPLY WITH THE LATEST NEC AND LOCAL CODE AND EXCEED CODE REQUIREMENTS WERE CALLED OUT BY KCHA PLANS AND SPECIFICATION.
2. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
3. UNLESS NOTED OTHERWISE ALL WIRING SHALL BE IN GALVANIZED RIGID STEEL OR EMT CONDUIT WITH MINIMUM TRADE SIZE OF 3/4-INCH.
4. COORDINATE ALL WORK WITH OWNER REPRESENTATIVE FOR WORK SCHEDULES DETAILS PRIOR TO DECOMMISSIONED, DEMOLITION, RELOCATION, SHUT DOWN OF FIRE ALARM PANELS AND PANELBOARDS & ETC.
5. PROVIDE PATCH AND PAINT AS REQUIRED FOR ALL NEW EQUIPMENT, DEVICES, AND DEMO AREAS.
6. PROVIDE ELECTRICAL AND FIRE ALARM WORK ACCORDING TO CONSTRUCTION PHASING SCHEDULES AT THE END OF EACH AREA OF CONSTRUCTION PER PHASING PLANNING SCHEDULE, PROVIDE ELECTRICAL AND FIRE ALARM TESTING TO INSURE COMPLETION OF WORK IS SATISFACTORY FOR ACCEPTANCE.

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21798
REGISTERED PROFESSIONAL ENGINEER

01/08/2025

PROJECT TITLE
KING COUNTY
HOUSING AUTHORITY
MUNRO MANOR
FIRE ALARM SYSTEM
REPLACEMENT

PROJECT ADDRESS
630 S. 152ND ST.
BURIEN, WA. 98148

100% BID SET

3
2
1

REVISION	DATE
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SHEET TITLE
FIRE ALARM
ONE-LINE
DIAGRAMS PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240801
CLIENT JOB #	KI2300365
SHEET SCALE	NTS

SHEET NUMBER
FA5.10

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King County Housing Authority

King County Housing Authority Fire Alarm System Replacement Assessment Report

Munro Manor

630 South 152nd Street

Burien, WA 98148

CD Project No: KI2300365

KCHA Contact Person:

Amy Kurtz PM

January 08, 2025

Prepared by:

Consultant Team

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TRES WEST ENGINEERS

FIRE ALARM SYSTEM – MUNRO MANOR ASSESSMENT REPORT:

EXISTING BUILDING INFORMATION:

The existing Munro Manor building is a three-story apartment building with a B and R2 occupancy. The building services seniors and disabled persons aged 62+.
This building has sixty (60) dwelling units.
There are fifty-seven (57) one (1) bedroom with one (1) bathroom units, and three (3) ADA one (1) bedroom one with (1) bathroom units 014, 020, and 021.

APPLICABLE CODES AND STANDARDS:

ADA (Americans with Disability Act)	International Mechanical Code (IMC)
International Building Code (IBC)	National Electrical Code (NFPA 70)
International Electrical Code (IEC)	National Fire Protection Agency (NFPA)
International Fire Code (IFC)	Washington State Energy Code

Standards:

Institute of Electrical and Electronics Engineers (IEEE)	National Electrical Manufacturers Association (NEMA)
National Electrical Contractors Association (NECA)	Underwriters Laboratories (UL)

EXISTING FIRE ALARM SYSTEM EQUIPMENT INFORMATION:

The current fire alarm system main control panel is Silent Knight SK5820XL located in the Reception Office off the main entry lobby on the lower floor. The fire alarm was installed in 1985.
120VAC Power from Panel EMG Circuit Breaker 21 with locked on device.
The UL-listed central station monitoring is provided by Smith Fire System Inc Account # LAC AES 10486 via AES Radio adjacent to main fire alarm panel in photo below:

The existing remote annunciator is located in the main entry office area lower.
The new fire alarm system will replace this with a new remote annunciator. See the fire alarm remote annunciator photo below:

The fire alarm NAC panels with sync modules are located on the first floor, adjacent to the main fire alarm panel. See the fire alarm NAC panels photos below:

Lower floor janitor room.

First floor janitor room.

Second floor janitor room.

Third floor janitor room.

EXISTING FIRE ALARM SYSTEM DETECTORS AND DEVICE COVERAGE INFORMATION:

The current fire alarm system has the following detectors and devices:

1. Addressable loop smoke detectors are in the common areas (corridors, multi-purpose room, top of stairways, and elevator lobbies), main office, janitor rooms, elevator machine room, and electrical rooms.

2. Stand-a-lone 120VAC smoke detector & addressable loop heat detectors are in all dwelling units living rooms and bedrooms.
3. No sprinkler head in the existing elevator machine room. So, no elevator shunt trips and heat detector is required.
4. There is addressable loop pull stations at every exterior exit and every stairway on each level.
5. Notification and visual are horn/strobe devices in all common areas (corridors, multi-purpose room, offices, laundry rooms, some stairways, and elevator lobbies).
6. Dwelling unit notification are stand-a-lone 120VAC smoke detector horns in living and bedroom areas for local dwelling only. Fire alarm system address loop heat detector triggers notification and visual are horn/strobe for full building alarm events. There is horn/strobe in in living and bedroom areas and strobe in the restroom.
7. There are three (3) ADA dwelling units (014, 020, & 021) notification are stand-a-lone 120VAC smoke detector horns in living and bedroom areas for local dwelling only and living area and bedroom. Fire alarm system address loop heat detector triggers notification and visual are horn/strobe for full building alarm events. There is horn/strobe in in living and bedroom areas and strobe in the restroom.
8. The Main Sprinkler Riser is located in the lower floor exterior south mechanical room. The Sprinkler Riser for 1st, 2nd, and 3rd floors is located in the janitor room. Each riser has a water flow valve switch and a tamper valve switch. Adjacent to the exterior south mechanical room on site is the PIV. The Sprinkler Riser backflow device is located exterior south mechanical room.

EXISTING FIRE ALARM SYSTEM INTERFACE INFORMATION:

The current fire alarm system has the following:

1. There are door holders on each floor of this building.
2. Mechanical Roof Top Unit does not have a smoke duct detector. The Mechanical unit is under 2,000 CFM some duct detector is not required. There may be existing fire/smoke dampers control relays in this building. Reconnect these existing fire/smoke dampers control relays.
3. Elevator Recall in the Lower Floor Elevator Machine Room –
   - Primary Elevator Recall to Lower floor.
   - Secondary Elevator Recall to 1st floor.
   - Hat / Secondary Elevator Recall to 1st floor turn on HAT symbol inside the elevator cab.
   - No Shunt Trip Power monitoring.
   - No Daul Contact Heat Detector is monitored.
   - As-built shows that there is an existing Heat detector at the top of the elevator hoist way

NFPA 72 EFORMS – FIRE ALARM SYSTEM RECORD OF COMPLETION / ANNUAL INSPECTION FORM

FIRE ALARM PANELS:

Type	Location
Main Fire Alarm Panel	Lower Floor Main Office
Fire Alarm NAC Panel	Lower Floor – Janitor Room
(2) Fire Alarm NAC Panel	1st Floor – Janitor Room
(2) Fire Alarm NAC Panel	2nd Floor – Janitor Room
Fire Alarm NAC Panel	3rd Floor – Janitor Room

REMOTE ANNUNCIATORS:

Type	Location
LCD Display	Lower Floor Main Entry Lobby

INITIATING DEVICES:

Type	Qty	Addressable or Conventional	Alarm or Supervisory	Sensing Technology
Manual Pull Stations	14	Addressable	Alarm	Contact
Addressable Smoke Detectors	45	Addressable	Alarm	Photo
Dwelling Addressable Heat Detectors	120	Addressable	Alarm	Contact
Dwelling 120VAC Stand-a-Lone Smoke Detector	120			
Duct Smoke Detectors	0	Addressable Module	Supervisory	Contact
Heat Detectors	4	(2) Addressable (2) Conventional	Alarm	135° F Temp
Gas Detectors	NA			
Carbon Monoxide Detectors	NA			
Waterflow Switches	4	Addressable Module	Alarm	Contact
Tamper Switches	5	Addressable Module	Supervisory	Contact
Back Flow Tamper Switches	1	Addressable Module	Supervisory	Contact
PIV	1	Addressable Module	Supervisory	Contact
Elevator Shunt trip Power	0	Addressable Module	Supervisory	Contact
Elevator Dual Contacted Heat Detector	0	Addressable Module	Alarm	Contact

NOTIFICATION APPLIANCES:

Type	Quantity	Description
Audible		
Visual	2	System Sensor
Combination of Audible and Visual	27	System Sensor
Dwelling Strobe	60	System Sensor
Dwelling Horn/Strobe	120	System Sensor
Dwelling 120VAC Smoke Detector Audible	120	Gentex
Sprinkler Exterior Bell	1	Water Gong
Fire Alarm Exterior Bell/strobe	1	Wheelock Bell and System Sensor Strobe

SYSTEM CONTROL FUNCTIONS:

Type	Quantity
Hold-Open Door Releasing Devices	4
HVAC Shutdown	1
Fire/Smoke Dampers	3
Door Unlocking	
Elevator Recall	3
Elevator Shunt Trip	0

EXISTING FIRE ALARM SYSTEM OPERATION:

During the site visual inspection of the fire alarm system, it appears that the existing fire alarm system operates on the following:

- If any of the common area smoke detectors, heat detectors, manual pull stations, or waterflow devices will activate alarm events for all notification and visual devices in the entire building, to the building fire alarm system, and central station monitoring. Also, all Fire/Smoke Dampers will close.
- All fire alarm door will close on general alarm event.
- Elevator recall has four (4) different functions and will require one 120VAC power monitoring as follows below:
  1. Elevator Primary Recall – If the 1st, 2nd, floor or 3rd floor elevator lobby smoke detector activates the alarm event elevator will recall to the Lower floor and open the cab door.
  2. Elevator Secondary Recall – If the Lower floor elevator lobby smoke detector activates the alarm event elevator will recall to the 1st floor and open the cab door.
  3. Elevator Hat Recall – If the Lower floor elevator machine room smoke detector activates the alarm event elevator will recall to the 1st floor, open the cab door, and turn on the fireman's HAT light symbol.
  4. No Elevator Shunt Trip Dual Contact Fixed 135˚ Heat Detector – No sprinkler head in the Elevator Machine Room.

5. No Elevator 120VAC shunt trip power to be monitoring – No sprinkler head in the Elevator Machine Room.

- If any of the dwelling unit 120VAC smoke detectors activate all the other 120VAC smoke detectors within that dwelling unit will be notification devices in the 120VAC smoke detectors sound within the unit only.
- If any of the dwelling unit loop addressable heat detector within the dwelling unit to activate an alarm signal to the building fire alarm system and central station monitoring.
- If any of the sprinkler riser tamper switches or PIV switch is activated, it will send a supervisory alarm event to the building fire alarm system and central station monitoring.

FIRE ALARM SYSTEM ISSUES:

During the site visual inspection of the fire alarm system, it appears that the existing fire alarm system has the following issues:

- The existing smoke detector in the elevator machine room is hanging by the cabling.
- Hallway horn/strobe are not spaced per current NAC code requirements.
- The existing electrical panel EMG services fire alarm panel, NAC panels, and fire/smoke dampers. There is something wrong with the panel index card and labels in the field on the panels. The electrical contractor will need to trace out this electrical power panel and provide a new typed index card and relabel fire alarm equipment in the field.

FIRE ALARM SYSTEM LIFE EXPECTANCY:

- NFPA-72 requirement to replace existing fire alarm detectors, devices, and equipment as the following:
  All residential Spot Smoke & CO detectors – 10 years
  Fire Alarm Batteries – 5 years
  System Smoke Detector – 20 years.
- Fire Marshals (AHJ) currently require a detectors and devices sensitivity test reports. All current addressable fire alarm systems have the capability to print out this report.
- Local Fire Department currently does not require this report, although in the future, the new Potter Signal Fire Alarm System will be able to produce this report by email or text message.
- Fire Alarm System Equipment does not define any fixed lifetime for the components of a Fire Alarm System. Does not restrict the technology that is used and different technical solutions may produce a different life expectancy. The expectation is that the equipment manufacturer will be the best guide to an expected lifetime for a particular product. Manufacturers are also likely to have an obsolescence policy regarding spares and support for maintenance.

BUILDING LIFE SAFETY:

- Does this building have an evacuation plan? If so, it would be good to make sure all managers have a copy of it.
- Make sure everyone knows where to go during the evacuations.
- During an evacuation everyone has a job to do to keep everyone safe. Like, close all doors behind you after you leave each area.
- Never assume anyone else already called the fire department.
- Remember that your cell phone has a flashlight and it would be easier to see you in the dark or smokey area.
- If your cell phone does not have cell service at the time use text messaging. As soon as you get cell service your text will go out.

FIRE ALARM CODE REQUIREMENTS:

The fire alarm system is recommended by TWE. (See fire alarm system code analysis items listed below):

- Automatic Smoke Detectors are required in all Public Egress Pathways, electrical rooms, elevator machine room, and elevator lobby.
- Automatic Smoke Detectors with low-frequency sounder bases programmed to function like single- and -multiple station alarms in all dwelling unit sleeping areas (bedroom & living room)
- Monitoring of the existing full sprinkler system.
- Manual Pull Stations are NOT required per section 907.2.9.1 exception 2 of the International Building Code (IBC)
- Graphic Maps (Qty. 2) are required for this project and shall be posted at the fire alarm control panel, the main sprinkler riser (Basement), and at the remote annunciator panel locations.
- Remote Annunciators (Qty. 1) shall be installed. One at a pre-approved fire department location.
- Quantity and location of remote annunciators are subject to the location and accessibility of the main fire alarm panel. Coordinate with the local AHJ to determine if they wish to move the current location or add additional locations.
- Audible/Visual Notification shall be installed throughout the entire building in accordance with sections 907.5.2.1 and 907.5.2.3 of the International Building Code (IBC) and sections 18.4 and 18.5 of NFPA 72.
- Audible/Visual Coverage in building common areas (Dining areas, community rooms, laundry rooms, restrooms, library, community outdoor decks, and interior corridors).
- All sleeping areas will be equipped with low-frequency sounder bases activated by building alarm events.
- Audible/Visual Notification shall be installed in all tenant units in accordance with sections 907.5.2.1 and 907.5.2.3.3 of the International Building Code (IBC) and section 18.5.5.8 of NFPA 72.
- Provide visual coverage in the bedroom, living room, and weather-proof visual for bathroom of all dwelling units.

- The Fire Alarm System shall also interface with other systems such as Smoke and Fire/Smoke Dampers, Duct Smoke Detectors, H.V.A.C. Systems, Magnetic Door Holders, Magnetic Door Releases, Cooking Hood Fire Suppression Systems, Fire Protection Sprinkler Systems, and Elevators where applicable.
- Provide Central station monitoring via AES Radio mesh network.
- Plain Old Telephone Service (POTS) lines are not permitted.
- Burin Fire Code (IFC) – BMC 15.20 has amendments to the 2021 International Fire Code (IFC) – WAC 51-54.

ELEVATOR SHAKE ALERT FIRE ALARM INTERFACE:

A new interface for the elevators:

- In the last few years, elevator shake alert systems were installed in numerous City of Seattle buildings.
- The shake alert system is an earthquake detection system that sends out a signal to the Fire Alarm System:
- This is a signal across the (internet, radio, television, and cellular) with the right program or application that can trigger a relay that can be monitored by the fire alarm system. The fire alarm system will do a primary elevator recall for all elevators in the building.

RECOMMENDATIONS:

TWE would recommend the following:

1. The existing Silent Knight SK5820XL Fire Alarm Panel and field devices are obsolete and need to be replaced.

2. Provide zonal output groups for annual inspection bypass. The zonal output groups shall be a minimum of the following:
   A. All Public NAC Circuits.
   B. Dwelling NAC Audio/Visual.
   C. Elevator Recall.
   D. Door Holders and Fire/Smoke Dampers.

3. During the site walk one of the maintenance staff put a key leash that was attached to the conduit above the existing fire alarm panel. Th leash was long enough to reach each fire alarm panel on the wall. This existing leash needs to be replaced with a new Lockable Keychain - Elastic Coil Stretch Tether Key Lanyard with minimum 3-foot Wire Spring Rope with new manufacture Potter Signal key at each fire alarm panel locations.

4. Set up a binder with the last fire alarm annual inspection reports, printed point list, and instructions on how to find duct detectors and other hard to find fire alarm devices that need to be tested annually. Put half-size as-built drawings inside the binder. These documents could be used to do annual inspections, help the fire department find fire alarm devices, and maintain the fire alarm system.

5. Installing a fire alarm document cabinet adjacent to the fire alarm panel in the building.
   A. A fire alarm documents storage cabinet adjacent to the main fire alarm panel per NFPA-72 current code is required. Coordinate location with Owner's Representative prior to installation. Download program data and point list onto the 4GB flash drive built-in to cabinet per NFPA-72 current code. Provide closeout documents in a binder as required.
      Manufacturers:
      - Space Age Electronic Part Number SSU00685 or equal.

6. Installing a fire alarm lock on the device for the 120VAC circuit breaker.
   A. NFPA current code requires that all fire alarm circuit breakers install lockout devices.
      Manufacturers:
      - Space Age Electronic Part Number ELOCK_FA or equal.

7. Fire Alarm equipment and device labeling:
   A. We recommend that the main fire alarm panels shall have the following labeling below:

Description:	Example:
Panel Name:	**MAIN FIRE ALARM**
Node #:	**Node 2 and CAB #**
AC PANEL:	**AC Panel 2X2**
BREAKER #:	**Breaker #1**

   B. We recommend the Duct Detector Locations shall have the following labeling on the grid next to the ceiling tile to gain access to the duct detector. Mount in clear sight of the floor.
      Refer to the example below:

Description:	Example:
Device Name:	**DUCT SLC1-S26**

   C. We recommend the fire alarm device labels: Use for the identification of all fire alarm input and output control devices. In clear sight of the floor. Otherwise, provide a duct detector-type label. These address labels shall match the fire alarm readout and as-built drawings. All module devices shall have a description of what it is monitoring and controlling.
      Refer to the example below:

Description:	Example:
Device Name:	**N10SLC1-S26**

8. Data drop with internet access for the fire alarm panel. Note: all telecom equipment that the fire alarm communication connection (Router) to the internet will need to be battery backup for 4 hours.

9. The cabling support Bridle Ring works better than J and D hooks for open cable support fire alarm installation.

10. The Dwelling Unit Living Room smoke detector should be designed to be a Smoke/CO multi-criteria detector with a low-frequency sounder base. The heat shall be programmed as a full building alarm event. The smoke and CO shall be programmed to operate like dwelling unit tandem multiple-detector alarms as supervisory events to the fire alarm system and central station monitoring.

11. The electrical contractor needs to trace out the existing electrical power panel EMG and provide a new typed index card and relabel fire alarm equipment in the field.

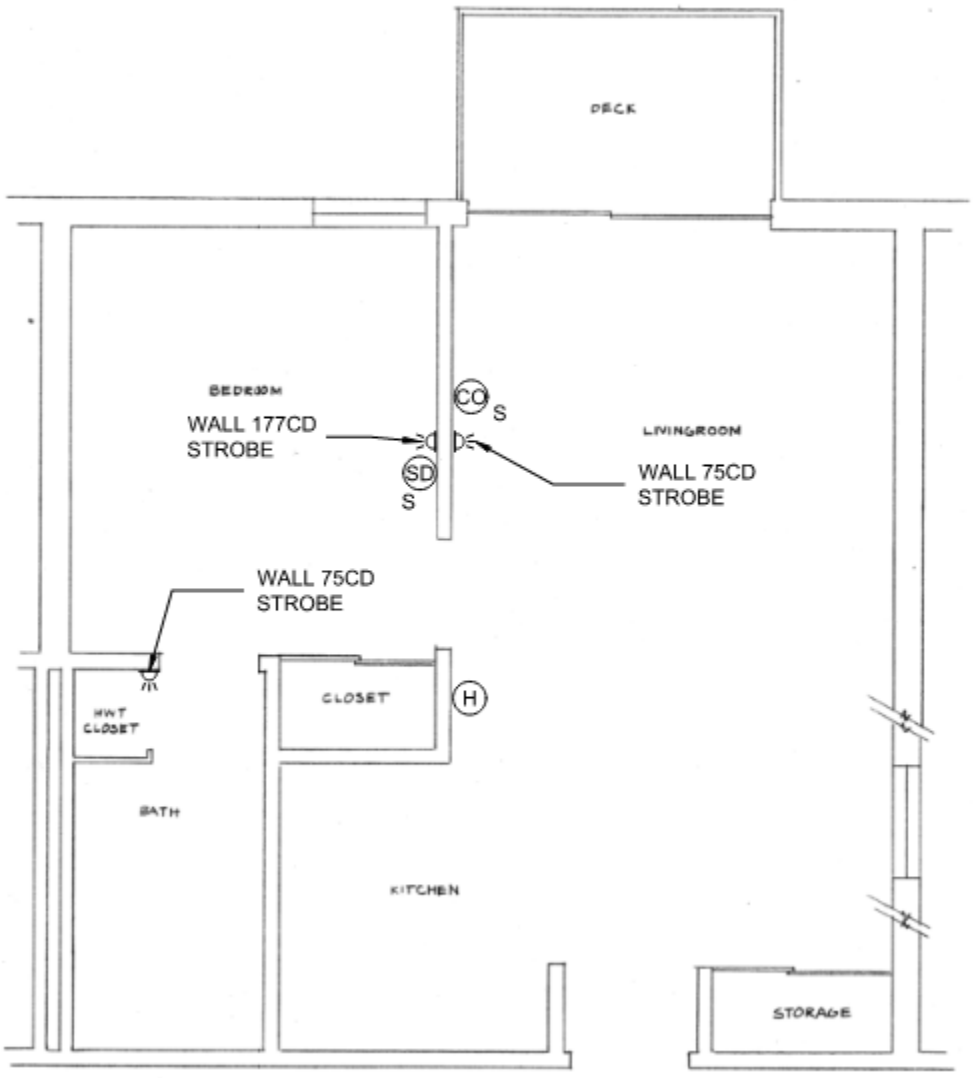
FIRE ALARM SYSTEM REPLACEMENT:

The following items will require replacement:

1. New fire alarm panel should be mounted left of the existing fire alarm panel on the same wall.
2. Stack the NAC Panels adjacent to the new fire alarm panel.
3. Mount the new AES radio above the new fire alarm panel.
4. New NAC Panels should be mounted right of the existing NAC Panel in the storage room Lower, 1st, 2nd, and 3rd floors.
5. Remove the existing remote annunciator and utilize the existing conduit to pull new cabling to the new remote annunciator.
6. The electrical contractor will need to provide Electrical 120VAC equipment and circuits to support any new fire alarm control panels and equipment. They will also need to remove all 120VAC combination smoke detectors in all units once the new fire alarm system has been approved by the local AHJ.
7. Replace each detector or device within 3 feet of the existing detector or device and make sure that all these are within the fire code coverage requirements.
8. The Dwelling Unit shall be designed per the typical drawing provided below.
   A. The dwelling unit shall have the following items for ADA strobe coverage and control will be provided with:
      - (1) - Addressable NAC module
      - (1) - Sync module
      - (2) - fire alarm LED 75CD strobes
      - (1) - fire alarm LED 177CD strobe
      - (2) - Addressable low-frequency sounder bases.
      - (1) - Addressable Smoke/CO detector head in living room
      - (1) - Addressable Smoke detector in bedroom.
      - (1) - Addressable Heat detector head with base.
   B. The fire alarm addressable SLC loop circuit and 24VDC power circuit. The 24VDC power is for the addressable NAC module via the sync module to run the dwelling unit strobes and addressable low-frequency sounder bases.

C. Munro Manor has 3 stories and 60 dwelling units. 12 dwelling units on lower floor, 18 dwelling units on 1st floor, 21 dwelling units on 2nd floor, and 9 dwelling units on the 3rd floor.
D. We can power four (4) dwelling units with one (1) NAC power circuit at 2.9A. The 10A NAC panel can service three (3) NAC circuits. We would need to have two (2) NAC Panels for 1st and 2nd floors and one (1) NAC Panel for lower and 3rd floors.
E. Munro Manor would utilize the main fire alarm panel for two (2) NAC circuits for public areas on Lower and 1st floor horn/strobes, one (1) NAC circuit for 2nd floor horn/strobes, and one (1) NAC circuit for 3rd floor horn/strobes.

Figure 1: Typical Fire Alarm Dwelling Unit Layout from Munro Manor.



REVISED FIRE ALARM SYSTEM OPERATION:

After the replacement of the existing fire alarm system, the fire alarm system will operate in the following:

- If any of the common area smoke detectors, heat detectors, manual pull stations, or waterflow devices will activate alarm events for all notification and visual devices in the entire building, to the building fire alarm system, and central station monitoring. Also, all HVAC Units shut down and Fire/Smoke Dampers will close.
- All fire alarm door will close on general alarm event.
- Elevator recall has three (3) different functions as follows below:
  1. Elevator Primary Recall – If the 2nd floor or 3rd floor elevator lobby smoke detector activates the alarm event elevator will recall to the 1st floor and open the cab door.
  2. Elevator Secondary Recall – If the 1st floor elevator lobby smoke detector activates the alarm event elevator will recall to the 2nd floor and open the cab door.
  3. Elevator Hat Recall – If the 1st floor elevator machine room smoke detector activates the alarm event elevator will recall to the 2nd floor, open the cab door, and turn on the fireman's HAT light symbol.
- If any of the dwelling unit single smoke detector activate the supervisory event all smoke detectors within that dwelling unit will be notification devices in the smoke detectors sound within the unit only.
- **If any of the two smoke detectors within the same dwelling unit are in an alarm the entire building will go into a full alarm event.**
- **If the heat detector in the dwelling unit is in an alarm the entire building will go into a full alarm event.**
- If any of the sprinkler riser tamper switches or PIV switch is activated, it will send a supervisory alarm event to the building fire alarm system and central station monitoring.

END OF REPORT

POINTS LIST AND ZONE MAPS FOR MUNRO MANOR

Point ID	Point Name	Point Type	Location
01:001	Jan Closet 203 BPS4	Init:Addr:Switch:Supervisory	Z8
01:002	Jan Closet 203 BPS5	Init:Addr:Switch:Supervisory	Z8
01:003	Jan Closet 203	Init:Addr:Detector:Photo	Z2
01:005	2nd Fl N. Stair Exit	Init:Addr:Switch:Manual Pull	Z3
01:006	2nd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:007	2nd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:008	2nd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:009	2nd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:010	2nd Fl N. Elev Lobby	Init:Addr:Detector:Photo	Z4
01:011	2nd Fl Cntr Stairs	Init:Addr:Switch:Manual Pull	Z3
01:012	2nd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
01:013	2nd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
01:014	2nd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
01:015	2nd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
01:016	2nd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
01:017	2nd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
01:018	2nd Fl S. Stair Exit	Init:Addr:Switch:Manual Pull	Z3
01:019	2nd Fl S. Stair	Init:Addr:Detector:Photo	Z2
01:022	2nd Fl Rm 218 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:023	2nd Fl Rm 218 Bed Rm	Init:Addr:Detector:Heat	Z1
01:024	2nd Fl Rm 216 Bed Rm	Init:Addr:Detector:Heat	Z1
01:025	2nd Fl Rm 216 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:026	2nd Fl Rm 214 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:027	2nd Fl Rm 214 Bed Rm	Init:Addr:Detector:Heat	Z1
01:028	2nd Fl Rm 212 Bed Rm	Init:Addr:Detector:Heat	Z1
01:029	2nd Fl Rm 212 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:030	2nd Fl Rm 210 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:031	2nd Fl Rm 210 Bed Rm	Init:Addr:Detector:Heat	Z1
01:032	2nd Fl Rm 208 Bed Rm	Init:Addr:Detector:Heat	Z1
01:033	2nd Fl Rm 208 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:034	2nd Fl Rm 206 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:035	2nd Fl Rm 206 Bed Rm	Init:Addr:Detector:Heat	Z1
01:036	2nd Fl Rm 204 Bed Rm	Init:Addr:Detector:Heat	Z1
01:037	2nd Fl Rm 204 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:038	2nd Fl Rm 202 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:039	2nd Fl Rm 202 Bed Rm	Init:Addr:Detector:Heat	Z1
01:040	2nd Fl Rm 200 Bed Rm	Init:Addr:Detector:Heat	Z1
01:041	2nd Fl Rm 200 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:042	2nd Fl Rm 201 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:043	2nd Fl Rm 201 Bed Rm	Init:Addr:Detector:Heat	Z1
01:044	2nd Fl Rm 203 Bed Rm	Init:Addr:Detector:Heat	Z1
01:045	2nd Fl Rm 203 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:046	2nd Fl Rm 205 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:047	2nd Fl Rm 205 Bed Rm	Init:Addr:Detector:Heat	Z1
01:048	2nd Fl Rm 207 Bed Rm	Init:Addr:Detector:Heat	Z1
01:049	2nd Fl Rm 207 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:050	2nd Fl Rm 209 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:051	2nd Fl Rm 209 Bed Rm	Init:Addr:Detector:Heat	Z1
01:052	2nd Fl Rm 211 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:053	2nd Fl Rm 211 Bed Rm	Init:Addr:Detector:Heat	Z1
01:054	2nd Fl Rm 213 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:055	2nd Fl Rm 213 Bed Rm	Init:Addr:Detector:Heat	Z1
01:056	2nd Fl Rm 215 Bed Rm	Init:Addr:Detector:Heat	Z1
01:057	2nd Fl Rm 215 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:058	2nd Fl Rm 217 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:059	2nd Fl Rm 217 Bed Rm	Init:Addr:Detector:Heat	Z1
01:060	2nd Fl Rm 219 Liv.Rm	Init:Addr:Detector:Heat	Z1

POINT LISTING

Point ID	Point Name	Point Type	Location
01:061	2nd Fl Rm 219 Bed Rm	Init:Addr:Detector:Heat	Z1
01:062	2nd Fl Rm 221 Bed Rm	Init:Addr:Detector:Heat	Z1
01:063	2nd Fl Rm 221 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:064	Jan Closet 302 BPS6	Init:Addr:Switch:Supervisory	Z8
01:065	3rd Fl Jan Closet302	Init:Addr:Switch:Water Flow	Z6
01:066	3rd Fl Jan Closet302	Init:Addr:Switch:Tamper	Z7
01:067	3rd Fl Jan Closet302	Init:Addr:Detector:Photo	Z2
01:068	3rd Fl N. Stairwell	Init:Addr:Detector:Photo	Z2
01:069	3rd North Stair	Init:Addr:Switch:Manual Pull	Z3
01:070	3rd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:071	3rd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:072	3rd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:073	3rd Fl N. Corridor	Init:Addr:Detector:Photo	Z2
01:074	3rd Fl N. Elev Lobby	Init:Addr:Detector:Photo	Z4
01:075	3rd Fl Cntr Stair	Init:Addr:Switch:Manual Pull	Z3
01:076	3rd Fl Cntr Stairwel	Init:Addr:Detector:Photo	Z2
01:077	3rd Fl Rm 318 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:078	3rd Fl Rm 318 Bed Rm	Init:Addr:Detector:Heat	Z1
01:079	3rd Fl Rm 316 Bed Rm	Init:Addr:Detector:Heat	Z1
01:080	3rd Fl Rm 316 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:081	3rd Fl Rm 314 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:082	3rd Fl Rm 314 Bed Rm	Init:Addr:Detector:Heat	Z1
01:083	3rd Fl Rm 312 Bed Rm	Init:Addr:Detector:Heat	Z1
01:084	3rd Fl Rm 312 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:085	3rd Fl Rm 313 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:086	3rd Fl Rm 313 Bed Rm	Init:Addr:Detector:Heat	Z1
01:087	3rd Fl Rm 315 Bed Rm	Init:Addr:Detector:Heat	Z1
01:088	3rd Fl Rm 315 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:089	3rd Fl Rm 317 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:090	3rd Fl Rm 317 Bed Rm	Init:Addr:Detector:Heat	Z1
01:091	3rd Fl Rm 319 Liv.Rm	Init:Addr:Detector:Heat	Z1
01:092	3rd Fl Rm 319 Bed Rm	Init:Addr:Detector:Heat	Z1
01:093	3rd Fl Rm 321 Bed Rm	Init:Addr:Detector:Heat	Z1
01:094	3rd Fl Rm 321 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:001	Elevator Recall	Notif:Addr:Relay:	G1
33:002	Alt Elev Recall	Notif:Addr:Relay:	G2
33:003	Fire Hat Light	Notif:Addr:Relay:	G3
33:004	Elev Mach Room	Init:Addr:Detector:Photo	Z9
33:005	Jan Closet 015 BPS1	Init:Addr:Switch:Supervisory	Z8
33:006	Jan Closet 015	Init:Addr:Detector:Photo	Z2
33:007	Grnd Fl Elev Lobby	Init:Addr:Detector:Photo	Z5
33:008	Grnd Fl Rear Lobby	Init:Addr:Switch:Manual Pull	Z3
33:009	Grnd Fl Front Lobby	Init:Addr:Switch:Manual Pull	Z3
33:010	Grn Fl N. Stair Exit	Init:Addr:Switch:Manual Pull	Z3
33:011	Grnd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:012	Grnd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:013	Grnd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:014	Grnd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:015	Grnd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:016	Grnd Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:017	Grnd S. Stair Exit	Init:Addr:Switch:Manual Pull	Z3
33:018	Grnd Fl S. Sprink Rm	Init:Addr:Switch:Tamper	Z7
33:019	Grnd Fl S. Sprink Rm	Init:Addr:Switch:Water Flow	Z6
33:020	Sprink Rm Back Flow	Init:Addr:Switch:Supervisory	Z1
33:021	Sprink Rm PIV	Init:Addr:Switch:Tamper	Z7
33:022	GrndFl Rm 020 LIv.Rm	Init:Addr:Detector:Heat	Z1
33:023	GrndFl Rm 020 Bed Rm	Init:Addr:Detector:Heat	Z1
33:024	GrndFl Rm 018 Bed Rm	Init:Addr:Detector:Heat	Z1
33:025	GrndFl Rm 018 LIv.Rm	Init:Addr:Detector:Heat	Z1
33:026	GrndFl Rm 016 LIv.Rm	Init:Addr:Detector:Heat	Z1
33:027	GrndFl Rm 016 Bed Rm	Init:Addr:Detector:Heat	Z1
33:028	GrndFl Rm 014 Bed Rm	Init:Addr:Detector:Heat	Z1
33:029	GrndFl Rm 014 LIv.Rm	Init:Addr:Detector:Heat	Z1

POINT LISTING

Point ID	Point Name	Point Type	Location
33:030	GrndFl Rm 012 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:031	GrndFl Rm 012 Bed Rm	Init:Addr:Detector:Heat	Z1
33:032	GrndFl Rm 010 Bed Rm	Init:Addr:Detector:Heat	Z1
33:033	GrndFl Rm 010 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:034	GrndFl Rm 011 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:035	GrndFl Rm 011 Bed Rm	Init:Addr:Detector:Heat	Z1
33:036	GrndFl Rm 013 Bed Rm	Init:Addr:Detector:Heat	Z1
33:037	GrndFl Rm 013 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:038	GrndFl Rm 015 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:039	GrndFl Rm 015 Bed Rm	Init:Addr:Detector:Heat	Z1
33:040	GrndFl Rm 017 Bed Rm	Init:Addr:Detector:Heat	Z1
33:041	GrndFl Rm 017 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:042	GrndFl Rm 019 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:043	GrndFl Rm 019 Bed Rm	Init:Addr:Detector:Heat	Z1
33:044	GrndFl Rm 021 Llv.Rm	Init:Addr:Detector:Heat	Z1
33:045	GrndFl Rm 021 Bed Rm	Init:Addr:Detector:Heat	Z1
33:046	Jan Closet 103 BPS2	Init:Addr:Switch:Supervisory	Z8
33:047	Jan Closet 103 BPS3	Init:Addr:Switch:Supervisory	Z8
33:048	Jan Closet 103	Init:Addr:Detector:Photo	Z2
33:049	1st Fl N. Stair Exir	Init:Addr:Switch:Manual Pull	Z3
33:050	1st Fl N.Corridor	Init:Addr:Detector:Photo	Z2
33:051	1st Fl N.Corridor	Init:Addr:Detector:Photo	Z2
33:052	1st Fl N.Corridor	Init:Addr:Detector:Photo	Z2
33:053	1st Fl N.Corridor	Init:Addr:Detector:Photo	Z2
33:054	1st Fl Elev Lobby	Init:Addr:Detector:Photo	Z4
33:055	1st Fl Cntr Stair Ex	Init:Addr:Switch:Manual Pull	Z3
33:056	1st Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:057	1st Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:058	1st Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:059	1st Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:060	1st Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:061	1st Fl S. Corridor	Init:Addr:Detector:Photo	Z2
33:062	1st Fl S. Stair Exit	Init:Addr:Switch:Manual Pull	Z3
33:063	1st Fl S. Stair	Init:Addr:Switch:Water Flow	Z6
33:064	1st Fl S. Stair	Init:Addr:Switch:Tamper	Z7
33:065	1st Fl Rm 118 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:066	1st Fl Rm 118 Bed Rm	Init:Addr:Detector:Heat	Z1
33:067	1st Fl Rm 116 Bed Rm	Init:Addr:Detector:Heat	Z1
33:068	1st Fl Rm 116 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:069	1st Fl Rm 114 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:070	1st Fl Rm 114 Bed.Rm	Init:Addr:Detector:Heat	Z1
33:071	1st Fl Rm 112 Bed Rm	Init:Addr:Detector:Heat	Z1
33:072	1st Fl Rm 112 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:073	1st Fl Rm 110 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:074	1st Fl Rm 110 Bed Rm	Init:Addr:Detector:Heat	Z1
33:075	1st Fl Rm 108 Bed Rm	Init:Addr:Detector:Heat	Z1
33:076	1st Fl Rm 108 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:077	1st Fl Rm 106 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:078	1st Fl Rm 106 Bed Rm	Init:Addr:Detector:Heat	Z1
33:079	1st Fl Rm 104 Bed Rm	Init:Addr:Detector:Heat	Z1
33:080	1st Fl Rm 104 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:081	1st Fl Rm 102 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:082	1st Fl Rm 102 Bed Rm	Init:Addr:Detector:Heat	Z1
33:083	1st Fl Rm 100 Bed Rm	Init:Addr:Detector:Heat	Z1
33:084	1st Fl Rm 100 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:085	1st Fl Rm 101 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:086	1st Fl Rm 101 Bed Rm	Init:Addr:Detector:Heat	Z1
33:087	1st Fl Rm 103 Bed Rm	Init:Addr:Detector:Heat	Z1
33:088	1st Fl Rm 103 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:089	1st Fl Rm 105 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:090	1st Fl Rm 105 Bed Rm	Init:Addr:Detector:Heat	Z1
33:091	1st Fl Rm 107 Bed Rm	Init:Addr:Detector:Heat	Z1
33:092	1st Fl Rm 107 Liv.Rm	Init:Addr:Detector:Heat	Z1

POINT LISTING

Point ID	Point Name	Point Type	Location
33:093	1st Fl Rm 109 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:094	1st Fl Rm 109 Bed Rm	Init:Addr:Detector:Heat	Z1
33:095	1st Fl Rm 111 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:096	1st Fl Rm 111 Bed Rm	Init:Addr:Detector:Heat	Z1
33:097	1st Fl Comm. Rm 107	Init:Addr:Switch:Manual Pull	Z3
33:098	1st Fl Comm. Rm 107	Init:Addr:Switch:Manual Pull	Z3
33:099	1st Fl Rm 119 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:100	1st Fl Rm 119 Bed Rm	Init:Addr:Detector:Heat	Z1
33:101	1st Fl Rm 121 Bed Rm	Init:Addr:Detector:Heat	Z1
33:102	1st Fl Rm 121 Liv.Rm	Init:Addr:Detector:Heat	Z1
33:103	Damper Closure	Notif:Addr:Relay:	G6
33:106	Office 102 FACP	Init:Addr:Detector:Photo	Z2
33:108	2nd Floor Stairwell	Init:Addr:Switch:Water Flow	Z6
33:109	2nd Floor Stairwell	Init:Addr:Switch:Tamper	Z7
33:110	Grnd Fl Lobby	Init:Addr:Detector:Photo	Z2
33:111	Grnd Fl Lobby	Init:Addr:Detector:Photo	Z2
33:112	ELV DAMPER	Notif:Addr:Relay:	G5
34:001	Trip to Grnd Floor	Notif:Conv:	G5
34:002	Trip To 1st Floor	Notif:Conv:	G5
34:003	Trip To 2nd Floor	Notif:Conv:	G5
34:004	Trip to 3rd Floor	Notif:Conv:	G5
34:005	Outside Bell/Strobe	Notif:Conv:	G5
34:006	Door Holders	Aux:Conv:Aux:Door	SYS
34:007	MODULE_34 RELAY_1	Notif:Conv:Relay:	G249
34:008	MODULE_34 RELAY_2	Notif:Conv:Relay:	G250

INPUT ZONE SUMMARY

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
1	Heat Detectors	1 Count	Low	Medium	135
2	Smoke Detectors	1 Count	Low	Medium	150
3	Pull Stations	1 Count	Low	Medium	150
4	Smoke Elev Recall	1 Count	Low	Medium	150
5	Smk Alt. Elev Recall	1 Count	Low	Medium	150
6	Waterflow	1 Count	Low	Medium	150
7	Tampers	1 Count	Low	Medium	150
8	BPS Trouble	1 Count	Low	Medium	150
9	HAT	1 Count	Low	Medium	150

INPUT ZONE POINT LISTING

Zone 1

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
1	Heat Detectors	1 Count	Low	Medium	135

Point(s) in Zone 1

Point ID	Point Name	Point Type
01:022	2nd Fl Rm 218 Liv.Rm	Init:Addr:Detector:Heat
01:023	2nd Fl Rm 218 Bed Rm	Init:Addr:Detector:Heat
01:024	2nd Fl Rm 216 Bed Rm	Init:Addr:Detector:Heat
01:025	2nd Fl Rm 216 Liv.Rm	Init:Addr:Detector:Heat
01:026	2nd Fl Rm 214 Liv.Rm	Init:Addr:Detector:Heat
01:027	2nd Fl Rm 214 Bed Rm	Init:Addr:Detector:Heat
01:028	2nd Fl Rm 212 Bed Rm	Init:Addr:Detector:Heat
01:029	2nd Fl Rm 212 Liv.Rm	Init:Addr:Detector:Heat
01:030	2nd Fl Rm 210 Liv.Rm	Init:Addr:Detector:Heat
01:031	2nd Fl Rm 210 Bed Rm	Init:Addr:Detector:Heat
01:032	2nd Fl Rm 208 Bed Rm	Init:Addr:Detector:Heat
01:033	2nd Fl Rm 208 Liv.Rm	Init:Addr:Detector:Heat
01:034	2nd Fl Rm 206 Liv.Rm	Init:Addr:Detector:Heat
01:035	2nd Fl Rm 206 Bed Rm	Init:Addr:Detector:Heat
01:036	2nd Fl Rm 204 Bed Rm	Init:Addr:Detector:Heat
01:037	2nd Fl Rm 204 Liv.Rm	Init:Addr:Detector:Heat
01:038	2nd Fl Rm 202 Liv.Rm	Init:Addr:Detector:Heat
01:039	2nd Fl Rm 202 Bed Rm	Init:Addr:Detector:Heat
01:040	2nd Fl Rm 200 Bed Rm	Init:Addr:Detector:Heat
01:041	2nd Fl Rm 200 Liv.Rm	Init:Addr:Detector:Heat
01:042	2nd Fl Rm 201 Liv.Rm	Init:Addr:Detector:Heat
01:043	2nd Fl Rm 201 Bed Rm	Init:Addr:Detector:Heat
01:044	2nd Fl Rm 203 Bed Rm	Init:Addr:Detector:Heat
01:045	2nd Fl Rm 203 Liv.Rm	Init:Addr:Detector:Heat
01:046	2nd Fl Rm 205 Liv.Rm	Init:Addr:Detector:Heat
01:047	2nd Fl Rm 205 Bed Rm	Init:Addr:Detector:Heat
01:048	2nd Fl Rm 207 Bed Rm	Init:Addr:Detector:Heat
01:049	2nd Fl Rm 207 Liv.Rm	Init:Addr:Detector:Heat
01:050	2nd Fl Rm 209 Liv.Rm	Init:Addr:Detector:Heat
01:051	2nd Fl Rm 209 Bed Rm	Init:Addr:Detector:Heat
01:052	2nd Fl Rm 211 Liv.Rm	Init:Addr:Detector:Heat
01:053	2nd Fl Rm 211 Bed Rm	Init:Addr:Detector:Heat
01:054	2nd Fl Rm 213 Liv.Rm	Init:Addr:Detector:Heat
01:055	2nd Fl Rm 213 Bed Rm	Init:Addr:Detector:Heat
01:056	2nd Fl Rm 215 Bed Rm	Init:Addr:Detector:Heat
01:057	2nd Fl Rm 215 Liv.Rm	Init:Addr:Detector:Heat
01:058	2nd Fl Rm 217 Liv.Rm	Init:Addr:Detector:Heat
01:059	2nd Fl Rm 217 Bed Rm	Init:Addr:Detector:Heat
01:060	2nd Fl Rm 219 Liv.Rm	Init:Addr:Detector:Heat
01:061	2nd Fl Rm 219 Bed Rm	Init:Addr:Detector:Heat
01:062	2nd Fl Rm 221 Bed Rm	Init:Addr:Detector:Heat
01:063	2nd Fl Rm 221 Liv.Rm	Init:Addr:Detector:Heat
01:077	3rd Fl Rm 318 Liv.Rm	Init:Addr:Detector:Heat
01:078	3rd Fl Rm 318 Bed Rm	Init:Addr:Detector:Heat
01:079	3rd Fl Rm 316 Bed Rm	Init:Addr:Detector:Heat
01:080	3rd Fl Rm 316 Liv.Rm	Init:Addr:Detector:Heat
01:081	3rd Fl Rm 314 Liv.Rm	Init:Addr:Detector:Heat
01:082	3rd Fl Rm 314 Bed Rm	Init:Addr:Detector:Heat
01:083	3rd Fl Rm 312 Bed Rm	Init:Addr:Detector:Heat
01:084	3rd Fl Rm 312 Liv.Rm	Init:Addr:Detector:Heat
01:085	3rd Fl Rm 313 Liv.Rm	Init:Addr:Detector:Heat
01:086	3rd Fl Rm 313 Bed Rm	Init:Addr:Detector:Heat
01:087	3rd Fl Rm 315 Bed Rm	Init:Addr:Detector:Heat
01:088	3rd Fl Rm 315 Liv.Rm	Init:Addr:Detector:Heat
01:089	3rd Fl Rm 317 Liv.Rm	Init:Addr:Detector:Heat
01:090	3rd Fl Rm 317 Bed Rm	Init:Addr:Detector:Heat

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01:091	3rd Fl Rm 319 Liv.Rm	Init:Addr:Detector:Heat
01:092	3rd Fl Rm 319 Bed Rm	Init:Addr:Detector:Heat
01:093	3rd Fl Rm 321 Bed Rm	Init:Addr:Detector:Heat
01:094	3rd Fl Rm 321 Liv.Rm	Init:Addr:Detector:Heat
33:020	Sprink Rm Back Flow	Init:Addr:Switch:Supervisory
33:022	GrndFl Rm 020 LIv.Rm	Init:Addr:Detector:Heat
33:023	GrndFl Rm 020 Bed Rm	Init:Addr:Detector:Heat
33:024	GrndFl Rm 018 Bed Rm	Init:Addr:Detector:Heat
33:025	GrndFl Rm 018 LIv.Rm	Init:Addr:Detector:Heat
33:026	GrndFl Rm 016 LIv.Rm	Init:Addr:Detector:Heat
33:027	GrndFl Rm 016 Bed Rm	Init:Addr:Detector:Heat
33:028	GrndFl Rm 014 Bed Rm	Init:Addr:Detector:Heat
33:029	GrndFl Rm 014 LIv.Rm	Init:Addr:Detector:Heat
33:030	GrndFl Rm 012 LIv.Rm	Init:Addr:Detector:Heat
33:031	GrndFl Rm 012 Bed Rm	Init:Addr:Detector:Heat
33:032	GrndFl Rm 010 Bed Rm	Init:Addr:Detector:Heat
33:033	GrndFl Rm 010 LIv.Rm	Init:Addr:Detector:Heat
33:034	GrndFl Rm 011 LIv.Rm	Init:Addr:Detector:Heat
33:035	GrndFl Rm 011 Bed Rm	Init:Addr:Detector:Heat
33:036	GrndFl Rm 013 Bed Rm	Init:Addr:Detector:Heat
33:037	GrndFl Rm 013 LIv.Rm	Init:Addr:Detector:Heat
33:038	GrndFl Rm 015 LIv.Rm	Init:Addr:Detector:Heat
33:039	GrndFl Rm 015 Bed Rm	Init:Addr:Detector:Heat
33:040	GrndFl Rm 017 Bed Rm	Init:Addr:Detector:Heat
33:041	GrndFl Rm 017 LIv.Rm	Init:Addr:Detector:Heat
33:042	GrndFl Rm 019 LIv.Rm	Init:Addr:Detector:Heat
33:043	GrndFl Rm 019 Bed Rm	Init:Addr:Detector:Heat
33:044	GrndFl Rm 021 LIv.Rm	Init:Addr:Detector:Heat
33:045	GrndFl Rm 021 Bed Rm	Init:Addr:Detector:Heat
33:065	1st Fl Rm 118 Liv.Rm	Init:Addr:Detector:Heat
33:066	1st Fl Rm 118 Bed Rm	Init:Addr:Detector:Heat
33:067	1st Fl Rm 116 Bed Rm	Init:Addr:Detector:Heat
33:068	1st Fl Rm 116 Liv.Rm	Init:Addr:Detector:Heat
33:069	1st Fl Rm 114 Liv.Rm	Init:Addr:Detector:Heat
33:070	1st Fl Rm 114 Bed.Rm	Init:Addr:Detector:Heat
33:071	1st Fl Rm 112 Bed Rm	Init:Addr:Detector:Heat
33:072	1st Fl Rm 112 Liv.Rm	Init:Addr:Detector:Heat
33:073	1st Fl Rm 110 Liv.Rm	Init:Addr:Detector:Heat
33:074	1st Fl Rm 110 Bed Rm	Init:Addr:Detector:Heat
33:075	1st Fl Rm 108 Bed Rm	Init:Addr:Detector:Heat
33:076	1st Fl Rm 108 Liv.Rm	Init:Addr:Detector:Heat
33:077	1st Fl Rm 106 Liv.Rm	Init:Addr:Detector:Heat
33:078	1st Fl Rm 106 Bed Rm	Init:Addr:Detector:Heat
33:079	1st Fl Rm 104 Bed Rm	Init:Addr:Detector:Heat
33:080	1st Fl Rm 104 Liv.Rm	Init:Addr:Detector:Heat
33:081	1st Fl Rm 102 Liv.Rm	Init:Addr:Detector:Heat
33:082	1st Fl Rm 102 Bed Rm	Init:Addr:Detector:Heat
33:083	1st Fl Rm 100 Bed Rm	Init:Addr:Detector:Heat
33:084	1st Fl Rm 100 Liv.Rm	Init:Addr:Detector:Heat
33:085	1st Fl Rm 101 Liv.Rm	Init:Addr:Detector:Heat
33:086	1st Fl Rm 101 Bed Rm	Init:Addr:Detector:Heat
33:087	1st Fl Rm 103 Bed Rm	Init:Addr:Detector:Heat
33:088	1st Fl Rm 103 Liv.Rm	Init:Addr:Detector:Heat
33:089	1st Fl Rm 105 Liv.Rm	Init:Addr:Detector:Heat
33:090	1st Fl Rm 105 Bed Rm	Init:Addr:Detector:Heat
33:091	1st Fl Rm 107 Bed Rm	Init:Addr:Detector:Heat
33:092	1st Fl Rm 107 Liv.Rm	Init:Addr:Detector:Heat
33:093	1st Fl Rm 109 Liv.Rm	Init:Addr:Detector:Heat
33:094	1st Fl Rm 109 Bed Rm	Init:Addr:Detector:Heat
33:095	1st Fl Rm 111 Liv.Rm	Init:Addr:Detector:Heat
33:096	1st Fl Rm 111 Bed Rm	Init:Addr:Detector:Heat
33:099	1st Fl Rm 119 Liv.Rm	Init:Addr:Detector:Heat
33:100	1st Fl Rm 119 Bed Rm	Init:Addr:Detector:Heat
33:101	1st Fl Rm 121 Bed Rm	Init:Addr:Detector:Heat

33:102	1st Fl Rm 121 Liv.Rm	Init:Addr:Detector:Heat

Zone 2

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
2	Smoke Detectors	1 Count	Low	Medium	150

Point(s) in Zone 2

Point ID	Point Name	Point Type
01:003	Jan Closet 203	Init:Addr:Detector:Photo
01:006	2nd Fl N. Corridor	Init:Addr:Detector:Photo
01:007	2nd Fl N. Corridor	Init:Addr:Detector:Photo
01:008	2nd Fl N. Corridor	Init:Addr:Detector:Photo
01:009	2nd Fl N. Corridor	Init:Addr:Detector:Photo
01:012	2nd Fl S. Corridor	Init:Addr:Detector:Photo
01:013	2nd Fl S. Corridor	Init:Addr:Detector:Photo
01:014	2nd Fl S. Corridor	Init:Addr:Detector:Photo
01:015	2nd Fl S. Corridor	Init:Addr:Detector:Photo
01:016	2nd Fl S. Corridor	Init:Addr:Detector:Photo
01:017	2nd Fl S. Corridor	Init:Addr:Detector:Photo
01:019	2nd Fl S. Stair	Init:Addr:Detector:Photo
01:067	3rd Fl Jan Closet302	Init:Addr:Detector:Photo
01:068	3rd Fl N. Stairwell	Init:Addr:Detector:Photo
01:070	3rd Fl N. Corridor	Init:Addr:Detector:Photo
01:071	3rd Fl N. Corridor	Init:Addr:Detector:Photo
01:072	3rd Fl N. Corridor	Init:Addr:Detector:Photo
01:073	3rd Fl N. Corridor	Init:Addr:Detector:Photo
01:076	3rd Fl Cntr Stairwel	Init:Addr:Detector:Photo
33:006	Jan Closet 015	Init:Addr:Detector:Photo
33:011	Grnd Fl S. Corridor	Init:Addr:Detector:Photo
33:012	Grnd Fl S. Corridor	Init:Addr:Detector:Photo
33:013	Grnd Fl S. Corridor	Init:Addr:Detector:Photo
33:014	Grnd Fl S. Corridor	Init:Addr:Detector:Photo
33:015	Grnd Fl S. Corridor	Init:Addr:Detector:Photo
33:016	Grnd Fl S. Corridor	Init:Addr:Detector:Photo
33:048	Jan Closet 103	Init:Addr:Detector:Photo
33:050	1st Fl N.Corridor	Init:Addr:Detector:Photo
33:051	1st Fl N.Corridor	Init:Addr:Detector:Photo
33:052	1st Fl N.Corridor	Init:Addr:Detector:Photo
33:053	1st Fl N.Corridor	Init:Addr:Detector:Photo
33:056	1st Fl S. Corridor	Init:Addr:Detector:Photo
33:057	1st Fl S. Corridor	Init:Addr:Detector:Photo
33:058	1st Fl S. Corridor	Init:Addr:Detector:Photo
33:059	1st Fl S. Corridor	Init:Addr:Detector:Photo
33:060	1st Fl S. Corridor	Init:Addr:Detector:Photo
33:061	1st Fl S. Corridor	Init:Addr:Detector:Photo
33:106	Office 102 FACP	Init:Addr:Detector:Photo
33:110	Grnd Fl Lobby	Init:Addr:Detector:Photo
33:111	Grnd Fl Lobby	Init:Addr:Detector:Photo

Zone 3

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
3	Pull Stations	1 Count	Low	Medium	150

Point(s) in Zone 3

Point ID	Point Name	Point Type
01:005	2nd Fl N. Stair Exit	Init:Addr:Switch:Manual Pull
01:011	2nd Fl Cntr Stairs	Init:Addr:Switch:Manual Pull
01:018	2nd Fl S. Stair Exit	Init:Addr:Switch:Manual Pull

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01:069	3rd North Stair	Init:Addr:Switch:Manual Pull
01:075	3rd Fl Cntr Stair	Init:Addr:Switch:Manual Pull
33:008	Grnd Fl Rear Lobby	Init:Addr:Switch:Manual Pull
33:009	Grnd Fl Front Lobby	Init:Addr:Switch:Manual Pull
33:010	Grn Fl N. Stair Exit	Init:Addr:Switch:Manual Pull
33:017	Grnd S. Stair Exit	Init:Addr:Switch:Manual Pull
33:049	1st Fl N. Stair Exir	Init:Addr:Switch:Manual Pull
33:055	1st Fl Cntr Stair Ex	Init:Addr:Switch:Manual Pull
33:062	1st Fl S. Stair Exit	Init:Addr:Switch:Manual Pull
33:097	1st Fl Comm. Rm 107	Init:Addr:Switch:Manual Pull
33:098	1st Fl Comm. Rm 107	Init:Addr:Switch:Manual Pull

Zone 4

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
4	Smoke Elev Recall	1 Count	Low	Medium	150

Point(s) in Zone 4

Point ID	Point Name	Point Type
01:010	2nd Fl N. Elev Lobby	Init:Addr:Detector:Photo
01:074	3rd Fl N. Elev Lobby	Init:Addr:Detector:Photo
33:054	1st Fl Elev Lobby	Init:Addr:Detector:Photo

Zone 5

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
5	Smk Alt. Elev Recall	1 Count	Low	Medium	150

Point(s) in Zone 5

Point ID	Point Name	Point Type
33:007	Grnd Fl Elev Lobby	Init:Addr:Detector:Photo

Zone 6

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
6	Waterflow	1 Count	Low	Medium	150

Point(s) in Zone 6

Point ID	Point Name	Point Type
01:065	3rd Fl Jan Closet302	Init:Addr:Switch:Water Flow
33:019	Grnd Fl S. Sprink Rm	Init:Addr:Switch:Water Flow
33:063	1st Fl S. Stair	Init:Addr:Switch:Water Flow
33:108	2nd Floor Stairwell	Init:Addr:Switch:Water Flow

Zone 7

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
7	Tampers	1 Count	Low	Medium	150

Point(s) in Zone 7

Point ID	Point Name	Point Type
01:066	3rd Fl Jan Closet302	Init:Addr:Switch:Tamper
33:018	Grnd Fl S. Sprink Rm	Init:Addr:Switch:Tamper
33:021	Sprink Rm PIV	Init:Addr:Switch:Tamper
33:064	1st Fl S. Stair	Init:Addr:Switch:Tamper
33:109	2nd Floor Stairwell	Init:Addr:Switch:Tamper

INPUT ZONE POINT LISTING

Zone 8

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
8	BPS Trouble	1 Count	Low	Medium	150

Point(s) in Zone 8

Point ID	Point Name	Point Type
01:001	Jan Closet 203 BPS4	Init:Addr:Switch:Supervisory
01:002	Jan Closet 203 BPS5	Init:Addr:Switch:Supervisory
01:064	Jan Closet 302 BPS6	Init:Addr:Switch:Supervisory
33:005	Jan Closet 015 BPS1	Init:Addr:Switch:Supervisory
33:046	Jan Closet 103 BPS2	Init:Addr:Switch:Supervisory
33:047	Jan Closet 103 BPS3	Init:Addr:Switch:Supervisory

Zone 9

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
9	HAT	1 Count	Low	Medium	150

Point(s) in Zone 9

Point ID	Point Name	Point Type
33:004	Elev Mach Room	Init:Addr:Detector:Photo

OUTPUT GROUP SUMMARY

Output Group Configuration

Group ID	Name	Latching
1	Elevator Recall	Latching
2	Alt. Elev Recall	Latching
3	Fire Hat Light	Latching
4	Door Release	Latching
5	General Alarm	Non-Latching
6	Damper Closure	Latching
249	GROUP_249 SUPERVSY	Non-Latching
250	GROUP_250 ALARM	Non-Latching

Output Group Characteristics: Silencing and Control

ID	Silencing	Delay	Control	Output Pattern
1	Non-Silenceable	N/A	Zone Control	N/A
2	Non-Silenceable	N/A	Zone Control	N/A
3	Non-Silenceable	N/A	Zone Control	N/A
4	Non-Silenceable	N/A	Zone Control	N/A
5	Silenceable	N/A	Zone Control	N/A
6	Non-Silenceable	N/A	Zone Control	N/A
249	Non-Silenceable	N/A	Zone Control	N/A
250	Non-Silenceable	N/A	Zone Control	N/A

Output Group Characteristics: Global Activation

ID	Manual Pull Activated	Fire Drill Activated	System Aux 1 Activated	System Aux 2 Activated	Ignore Pattern	Reverse Polarity	Voice Group	Voice Switch	Cadance Override
1	No	Yes	No	No	No	No	No		N/A
2	No	Yes	No	No	No	No	No		N/A
3	No	Yes	No	No	No	No	No		N/A
4	No	Yes	No	No	No	No	No		N/A
5	No	Yes	No	No	No	No	No		N/A
6	No	Yes	No	No	No	No	No		N/A
249	No	No	No	No	No	No	No		N/A
250	No	No	No	No	No	No	No		N/A

OUTPUT GROUP POINT LISTING

Group 1

Name	Latching	Silencing	Control
Elevator Recall	Latching	Non-Silenceable	Zone Control

Point(s) in Group 1

Point ID	Point Name	Point Type
33:001	Elevator Recall	Notif:Addr:Relay:

Group 2

Name	Latching	Silencing	Control
Alt. Elev Recall	Latching	Non-Silenceable	Zone Control

Point(s) in Group 2

Point ID	Point Name	Point Type
33:002	Alt Elev Recall	Notif:Addr:Relay:

Group 3

Name	Latching	Silencing	Control
Fire Hat Light	Latching	Non-Silenceable	Zone Control

Point(s) in Group 3

Point ID	Point Name	Point Type
33:003	Fire Hat Light	Notif:Addr:Relay:

Group 4

Name	Latching	Silencing	Control
Door Release	Latching	Non-Silenceable	Zone Control

Point(s) in Group 4

Point ID	Point Name	Point Type

Group 5

Name	Latching	Silencing	Control
General Alarm	Non-Latching	Silenceable	Zone Control

Point(s) in Group 5

Point ID	Point Name	Point Type
33:112	ELV DAMPER	Notif:Addr:Relay:
34:001	Trip to Grnd Floor	Notif:Conv:
34:002	Trip To 1st Floor	Notif:Conv:
34:003	Trip To 2nd Floor	Notif:Conv:
34:004	Trip to 3rd Floor	Notif:Conv:
34:005	Outside Bell/Strobe	Notif:Conv:

Group 6

Name	Latching	Silencing	Control
Damper Closure	Latching	Non-Silenceable	Zone Control

Point(s) in Group 6

Point ID	Point Name	Point Type
33:103	Damper Closure	Notif:Addr:Relay:

Group 249

Name	Latching	Silencing	Control
GROUP_249 SUPERVSY	Non-Latching	Non-Silenceable	Zone Control

Point(s) in Group 249

Point ID	Point Name	Point Type
34:007	MODULE_34 RELAY_1	Notif:Conv:Relay:

Group 250

OUTPUT GROUP POINT LISTING

Name	Latching	Silencing	Control
GROUP_250 ALARM	Non-Latching	Non-Silenceable	Zone Control

Point(s) in Group 250

Point ID	Point Name	Point Type
34:008	MODULE_34 RELAY_2	Notif:Conv:Relay:

SYSTEM POINT LISTING

Point ID	Point Name	Point Type
34:006	Door Holders	Aux:Conv:Aux:Door