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
	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
C	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 MAINTAINING EXISTING FIRE ALARM SYSTEM UNTIL NEW FIRE ALARM SYSTEM IS OPERATIONAL, TESTED, AND PASSED BY FIRE MARSHAL. 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 WHERE 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 SMITH FIRE AND ELEVATOR SERVICE ON TASK FOR TESTING WITH THE FIRE MARSHAL AT FINAL.
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. LU
STATE OF WASHINGTON
19798
REGISTERED PROFESSIONAL ENGINEER

08/08/2025

PROJECT TITLE
KING COUNTY HOUSING AUTHORITY
PARAMOUNT HOUSE FIRE ALARM SYSTEM REPLACEMENT

PROJECT ADDRESS
1750 NE 145TH ST,
SHORELINE, WA. 98155

REVISION	DATE
BID SET	08/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM LEGEND AND GENERAL REQUIREMENTS

DRAWN	BCY
CHECKED	RWA
TWE JOB #	250604
CLIENT JOB #	KI2300365
SHEET SCALE	NTS

SHEET NUMBER
FA0.01

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LEGEND AND GEN
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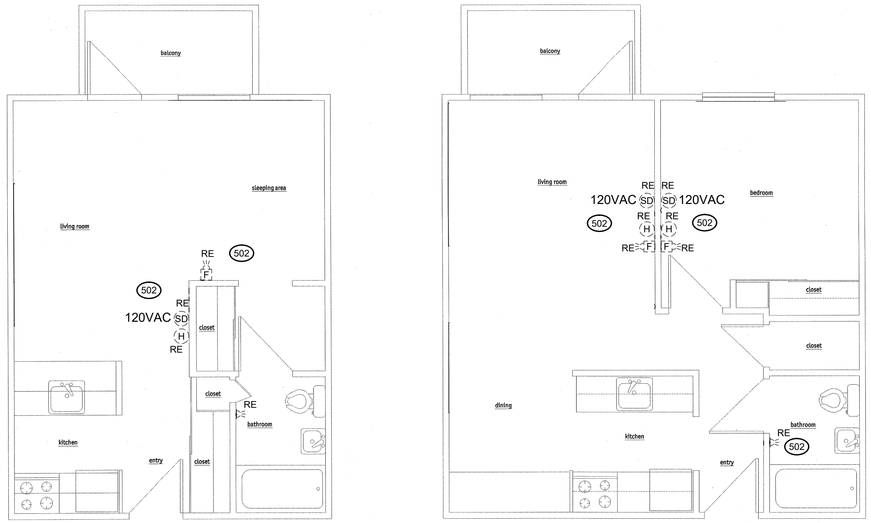

DEMO TYPICAL STUDIO AND ONE BEDROOM DWELLING UNITS

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

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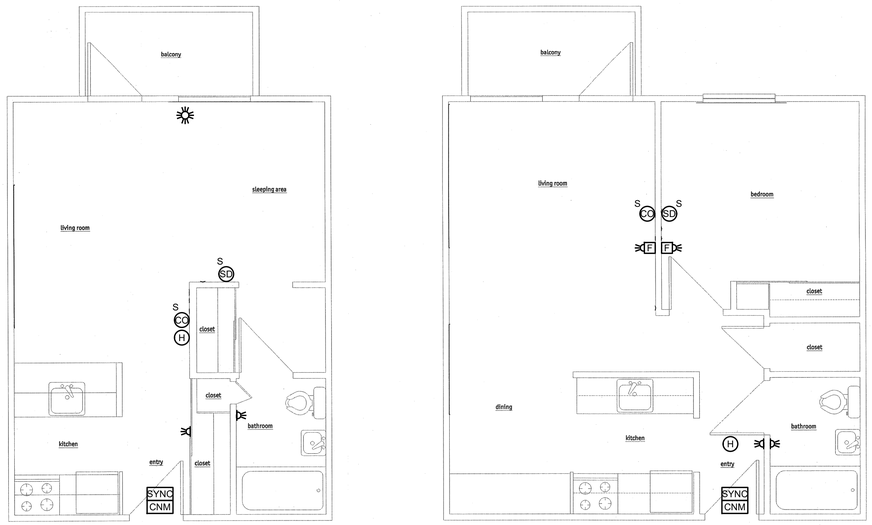

TYPICAL STUDIO AND ONE BEDROOM DWELLING UNITS

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

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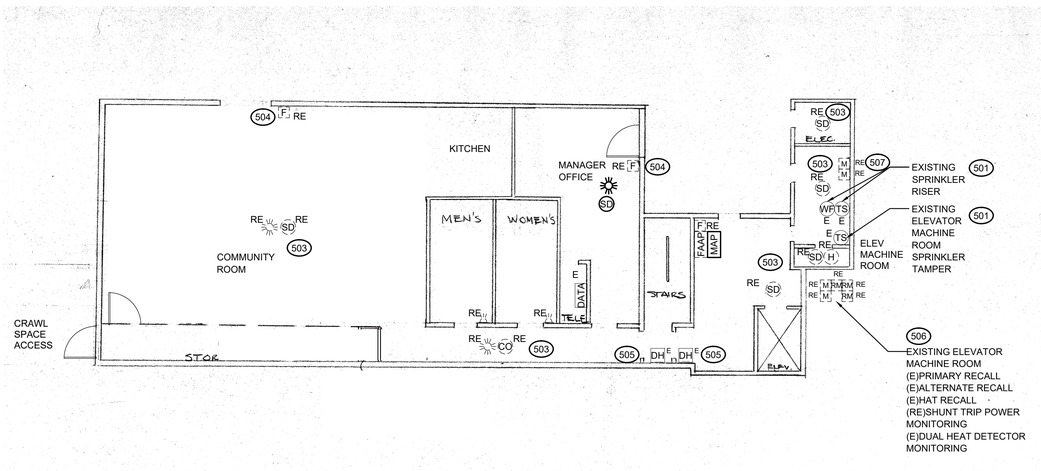

FIRE ALARM BASEMENT AND DWELLING UNITS PLANS

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

0 4 8 16

PLAN NOTES

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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 FA5.01 & FA5.02.

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

504 REMOVE EXISTING FIRE ALARM PULL STATION. PROVIDE A WHITE COVER PLATE. REMOVE WIRING BACK TO SOURCE.

505 REPLACE EXISTING FIRE ALARM CONTROL RELAY DEVICE WITH SAME TYPE. TRACE EXISTING POWER SOURCE AND CONTROL RELAY LOCATION. PROVIDE THIS INFORMATION ON THE FIRE ALARM AS-BUILT DRAWINGS.

506 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.

507 PROVIDE FIRE ALARM MONITOR DEVICES ON PLATE AS REQUIRE BY CODE FOR THE CRAWL SPACE WATER FLOW AND TAMPER. RECONNECT TO THE EXISTING FIRE ALARM WATER FLOW AND TAMPER. PROVIDE ADDRESSABLE DEVICES, J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. REFER TO FIRE ALARM ONE-LINE DIAGRAM ON SHEET FA5.10.

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.
9. TRACE EXISTING POWER CIRCUITS FOR THE EXISTING MAIN FIRE ALARM PANEL, NAC PANELS, DOOR HOLDERS AND FIRE/SMOKE DAMPERS. PROVIDE NEW TYPED POWER PANEL INDEX CARDS AND LOCK ON DEVICES AS REQUIRED.

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HOUSING AUTHORITY
PARAMOUNT HOUSE
FIRE ALARM SYSTEM
REPLACEMENT

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

SHEET TITLE
FIRE ALARM BASEMENT AND DWELLING UNITS PLANS

DRAWN	BCY
CHECKED	RWA
TWE JOB #	250604
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.00

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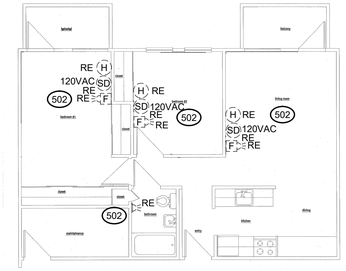
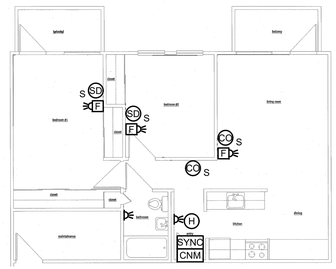


DEMO TYPICAL TWO BEDROOM DWELLING UNIT 101

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

0 2' 4' 8'



TYPICAL TWO BEDROOM DWELLING UNIT 101

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

0 2' 4' 8'

PLAN NOTES

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507	ELECTRICAL CONTRACTOR TO TRACE OUT EXISTING FIRE ALARM NAC PANEL POWER SOURCE CIRCUITS ON EACH FLOOR. PROVIDE ELECTRICAL PANEL NEW TYPED INDEX CARD AND LOCK ON DEVICE AS REQUIRED. LABEL THE NEW AND EXISTING FIRE ALARM NAC PANELS.
508	ELECTRICAL CONTRACTOR TO TRACE OUT EXISTING FIRE ALARM CONTROL CIRCUITS (DOOR HOLDERS, GLOBAL SHUT DOWN OF ATTIC MECHANICAL UNITS, AND FIRE/SMOKE DAMPERS) ON EACH FLOOR. PROVIDE LABEL NEW AND EXISTING FIRE ALARM CONTROL CABINET WITH CIRCUIT TYPES BEING CONTROLLED. PROVIDE TWO ADDRESSABLE RELAYS TO CONTROL THE TWO RELAY MATRIXES.

PLAN NOTES

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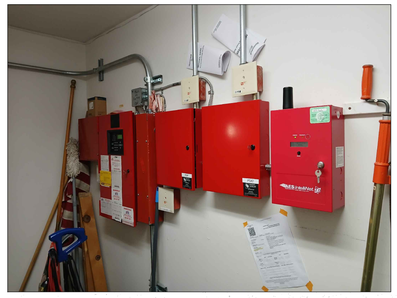
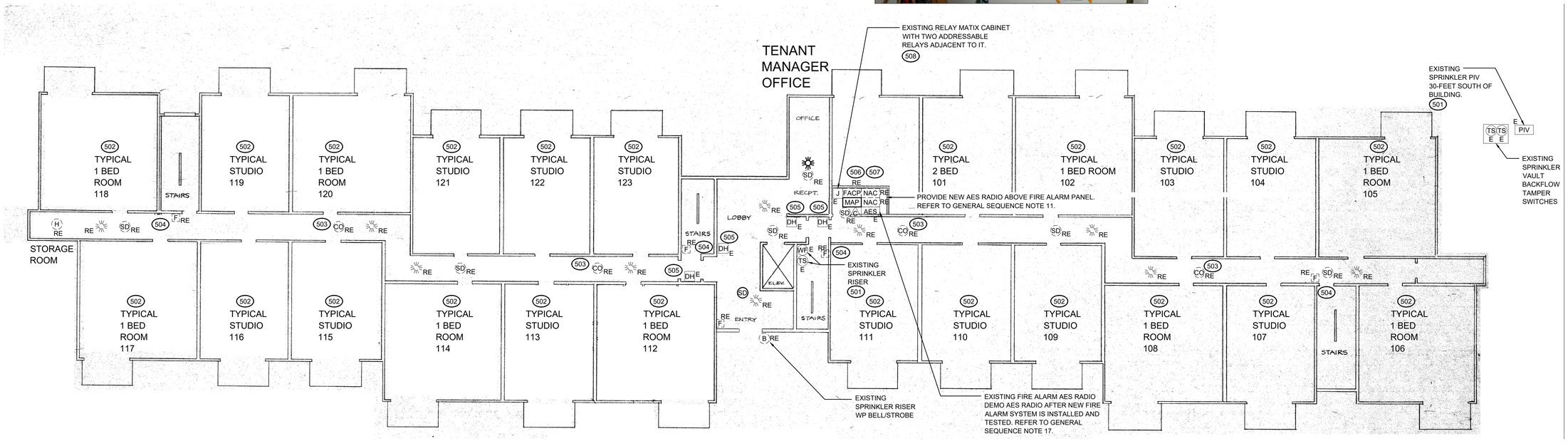
501	PROVIDE FIRE ALARM MONITOR DEVICES ON PLATE AS REQUIRE BY CODE FOR THE SPRINKLER RISER. CONNECT TO NEAREST EXISTING FIRE ALARM DEVICE. PROVIDE J-BOXES, CONDUIT, CABLING, AND CONNECTIONS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM. REFER TO FIRE ALARM DIAGRAM.
502	REFER TO TYPICAL FOR ALL DWELLING UNITS LAYOUT FLOOR PLAN SHEET FA5.01 & FA5.02.
503	REPLACE EXISTING FIRE ALARM DEVICES AS INDICATED IN THE SPECIFICATIONS AND AS SHOWN ON DRAWINGS.
504	REMOVE EXISTING FIRE ALARM PULL STATION. PROVIDE A WHITE COVER PLATE. REMOVE WIRING BACK TO SOURCE.
505	REPLACE EXISTING FIRE ALARM CONTROL RELAY DEVICE WITH SAME TYPE. TRACE EXISTING POWER SOURCE AND CONTROL RELAY LOCATION. PROVIDE THIS INFORMATION ON THE FIRE ALARM AS-BUILT DRAWINGS.
506	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.



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.
9. TRACE EXISTING POWER CIRCUITS FOR THE EXISTING MAIN FIRE ALARM PANEL, NAC PANELS, DOOR HOLDERS AND FIRE/SMOKE DAMPERS. PROVIDE NEW TYPED POWER PANEL INDEX CARDS AND LOCK ON DEVICES AS REQUIRED.



FIRE ALARM 1ST FLOOR PLAN

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

0 4' 8' 16'

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08/08/2025 11:02:36

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REPLACEMENT

PROJECT ADDRESS
1750 NE 145TH ST,
SHORELINE, WA. 98155

REVISION	DATE
BID SET ISSUED	08/08/2025

SHEET TITLE
FIRE ALARM 1ST FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	250604
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.01

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 FA5.01 & FA5.02.

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

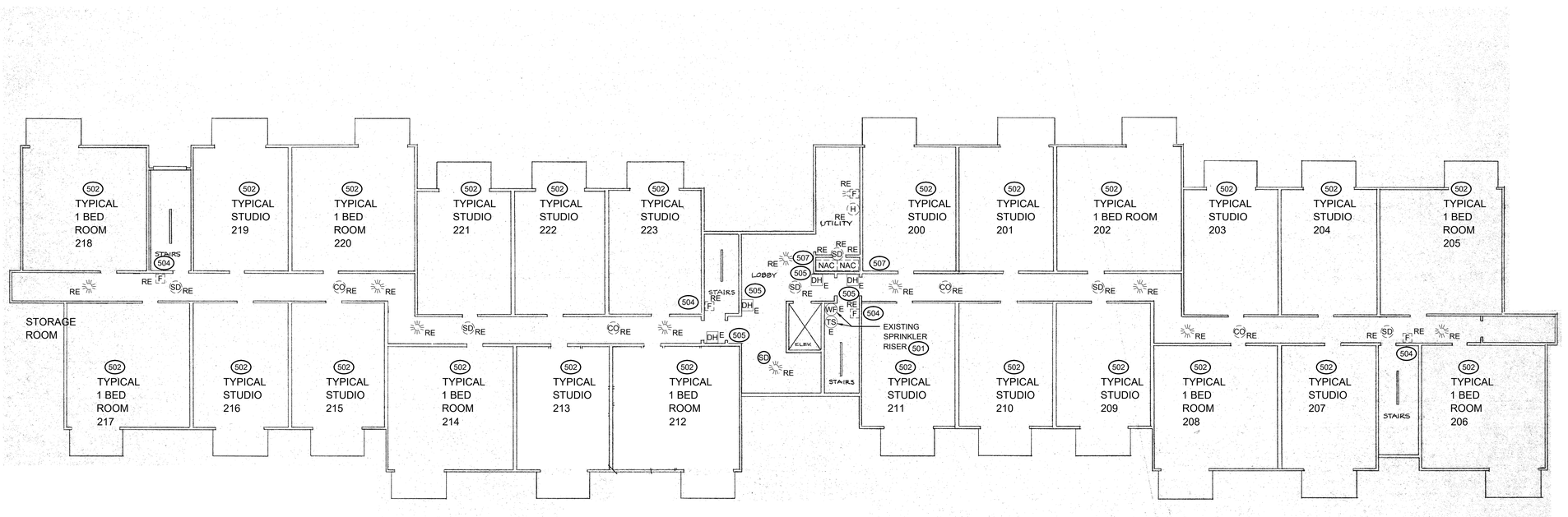
504 REMOVE EXISTING FIRE ALARM PULL STATION. PROVIDE A WHITE COVER PLATE. REMOVE WIRING BACK TO SOURCE.

505 REPLACE EXISTING FIRE ALARM CONTROL RELAY DEVICE WITH SAME TYPE. TRACE EXISTING POWER SOURCE AND CONTROL RELAY LOCATION. PROVIDE THIS INFORMATION ON THE FIRE ALARM AS-BUILT DRAWINGS.

507 REPLACE EXISTING FIRE ALARM CONTROL RELAY DEVICE WITH SAME TYPE. TRACE EXISTING POWER SOURCE AND CONTROL RELAY LOCATION. PROVIDE THIS INFORMATION ON THE FIRE ALARM AS-BUILT DRAWINGS.

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.
9. TRACE EXISTING POWER CIRCUITS FOR THE EXISTING MAIN FIRE ALARM PANEL, NAC PANELS, DOOR HOLDERS AND FIRE/SMOKE DAMPERS. PROVIDE NEW TYPED POWER PANEL INDEX CARDS AND LOCK ON DEVICES AS REQUIRED.



FIRE ALARM 2ND FLOOR PLAN

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

0 4' 8' 16'

250604-FA5.02 FIRE ALARM 2ND FLOOR.dwg
1/8/2025 11:02:36

TRES WEST ENGINEERS

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Phone: 253.472.3300
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ROGER W. K. ALT
STATE OF WASHINGTON
19798
REGISTERED PROFESSIONAL ENGINEER

08/08/2025

PROJECT TITLE
KING COUNTY HOUSING AUTHORITY
PARAMOUNT HOUSE
FIRE ALARM SYSTEM REPLACEMENT

PROJECT ADDRESS
1750 NE 145TH ST,
SHORELINE, WA. 98155

REVISION	DATE
BID SET	08/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM 2ND FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	250604
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.02

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.

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505 REPLACE EXISTING FIRE ALARM CONTROL RELAY DEVICE WITH SAME TYPE. TRACE EXISTING POWER SOURCE AND CONTROL RELAY LOCATION. PROVIDE THIS INFORMATION ON THE FIRE ALARM AS-BUILT DRAWINGS.

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GENERAL REQUIREMENT NOTES

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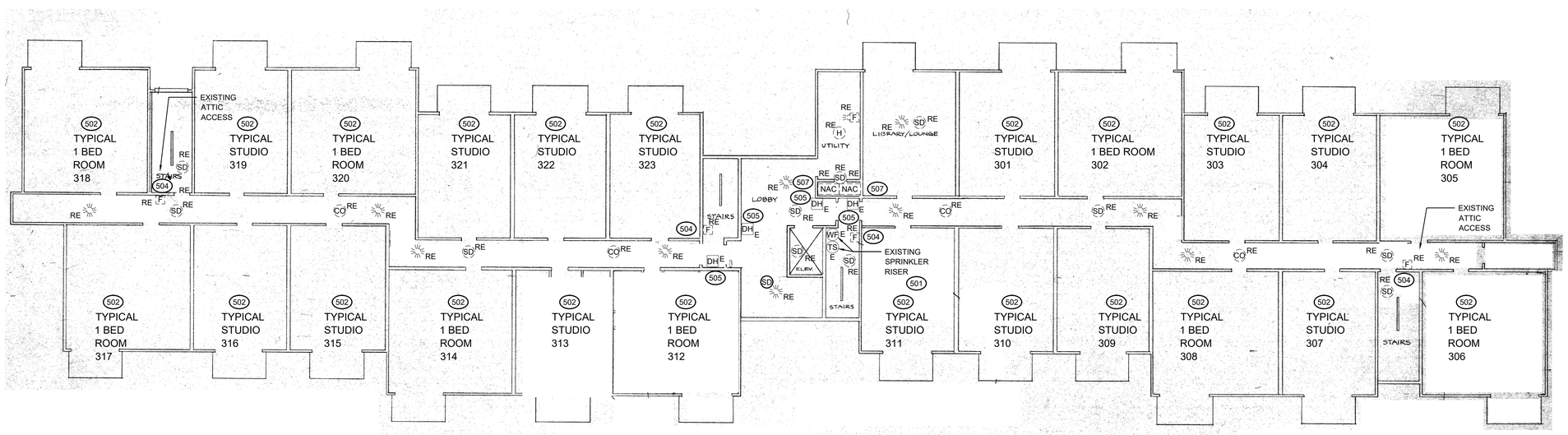
3. ALL WORK SHALL COMPLY WITH THE LATEST NEC AND LOCAL CODE AND EXCEED CODE REQUIREMENTS WERE CALLED OUT BY KCHA PLANS AND SPECIFICATION.
4. ALL EMPTY CONDUITS SHALL INCLUDE PULL STRING.
5. UNLESS NOTED OTHERWISE ALL WIRING SHALL BE IN GALVANIZED RIGID STEEL OR EMT CONDUIT WITH MINIMUM TRADE SIZE OF 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.
9. TRACE EXISTING POWER CIRCUITS FOR THE EXISTING MAIN FIRE ALARM PANEL, NAC PANELS, DOOR HOLDERS AND FIRE/SMOKE DAMPERS. PROVIDE NEW TYPED POWER PANEL INDEX CARDS AND LOCK ON DEVICES AS REQUIRED.



FIRE ALARM 3RD FLOOR PLAN

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

0 4' 8' 16'

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ROGER W. K. ALT
STATE OF WASHINGTON
19798
REGISTERED PROFESSIONAL ENGINEER

08/08/2025

PROJECT TITLE
KING COUNTY HOUSING AUTHORITY
PARAMOUNT HOUSE
FIRE ALARM SYSTEM REPLACEMENT

PROJECT ADDRESS
1750 NE 145TH ST,
SHORELINE, WA. 98155

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

SHEET TITLE
FIRE ALARM 3RD FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	250604
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.03

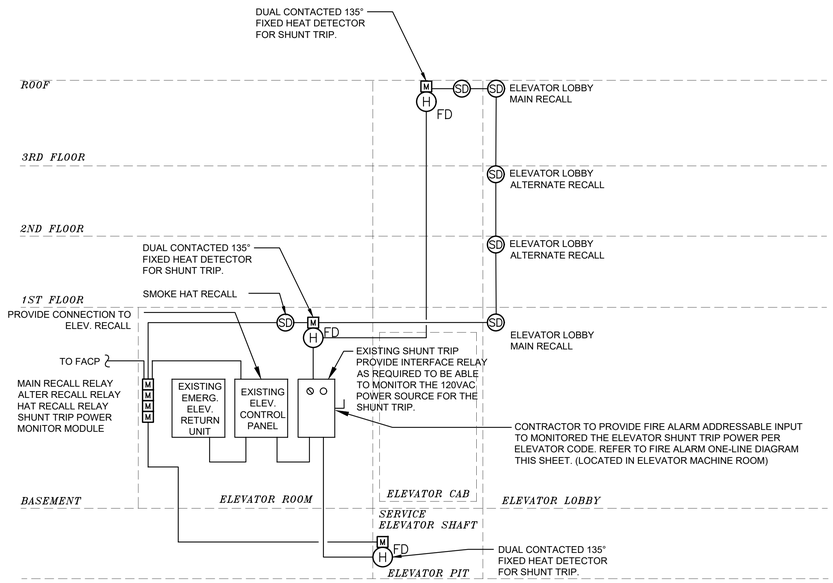
250604-FA5.03 FIRE ALARM 3RD FLOOR.dwg
11/20/2024 11:02236

King County Housing Authority Paramount House 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
	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	X	X		X	X	X		X			X
	ELEVATOR MACHINE POWER SHUNT LOSS		X	X	X			X									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 & CO DETECTOR		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.

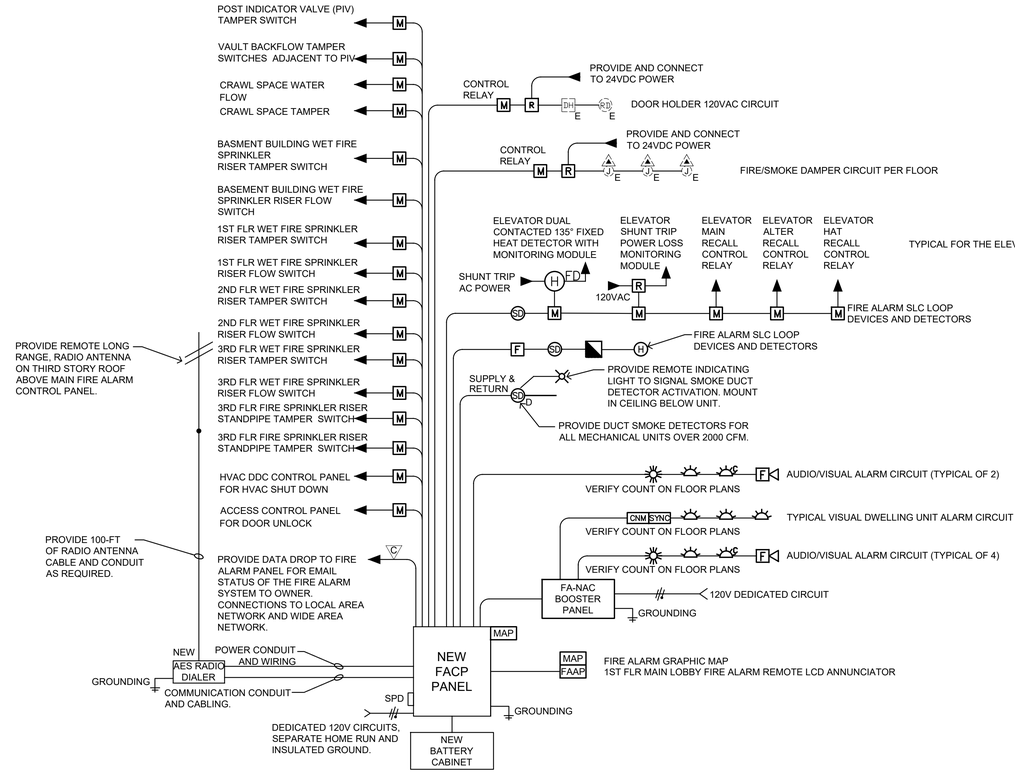


1 FA5.10 ELEVATOR RECALL ONE-LINE DIAGRAM

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. FA TO PROVIDE DUAL 120V RATED FIXED HEAT 135°F DETECTORS FOR ELEVATOR SHUNT TRIP CONTROL. FA TO PROVIDE ADDRESSABLE MINI POINT MODULES TO MONITOR HEAT DETECTORS PER ELEVATOR CODE. CONTRACTOR TO PROVIDE COMPLETE CONNECTIONS TO SHUNT TRIP COIL IN SWITCH, RELAY, AND POWER INDICATION LED LIGHT. PROVIDE NAMEPLATES ADJACENT TO DETECTORS "DO NOT TEST".
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.
5. CONTRACTOR TO PROVIDE ADDRESSABLE MONITORING MODULE FOR ELEVATOR SHUNT TRIP POWER MONITORING. PROVIDE 120VAC INTERFACE RELAY INSIDE ENCLOSURE TO BE TIE INTO THE SHUNT TRIP POWER SOURCE FOR MONITORING THE POWER PER LOCAL ELEVATOR CODE.
6. CONTRACTOR TO PROVIDE ADDRESSABLE MONITORING MODULE FOR EXISTING ELEVATOR SHUNT TRIP SPRINKLER TAMPER SWITCH.



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 VOLTAGE SURGE PROTECTION DEVICE (SPD) PER 2023 NEC 760-33 CODE FOR ALL FIRE ALARM CONTROL PANELS AND NAC PANELS.
22. 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 WHERE 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.
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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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Phone: 253.472.3300
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ROGER W. KALL STATE OF WASHINGTON 19798 REGISTERED PROFESSIONAL ENGINEER

08/08/2025

PROJECT TITLE
KING COUNTY HOUSING AUTHORITY PARAMOUNT HOUSE FIRE ALARM SYSTEM REPLACEMENT

PROJECT ADDRESS
1750 NE 145TH ST,
SHORELINE, WA. 98155

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

SHEET TITLE
FIRE ALARM ONE-LINE DIAGRAMS PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	250604
CLIENT JOB #	KI2300365
SHEET SCALE	NTS

SHEET NUMBER
FA5.10

TRES WEST ENGINEERS, INC.
A Certified Diverse Firm - ● MWBE ● DBE ● SCS

King County Housing Authority

King County Housing Authority Fire Alarm System Replacement Assessment Report

Paramount House

1750 NE 145TH Street

Shoreline, WA 98155

CD Project No: KI2300365

KCHA Contact Person:

Carl Frankel PM

August 08, 2025

Prepared by:

Consultant Team

Tres West Engineers, Inc.
2702 South 42nd Street, Suite 301
Tacoma, WA 98409-7315
Telephone: 253.472.3300
www.treswest.com

FIRE ALARM SYSTEM – PARAMOUNT HOUSE ASSESSMENT REPORT:

EXISTING BUILDING INFORMATION:

The existing Paramount House 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 seventy (70) dwelling units.
There are forty-two (42) Studio with one (1) bathroom units, twenty-seven (27) one (1) bedroom with one (1) bathroom units, and one (1) ADA one (2) bedroom one with (1) bathroom unit 101.

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:

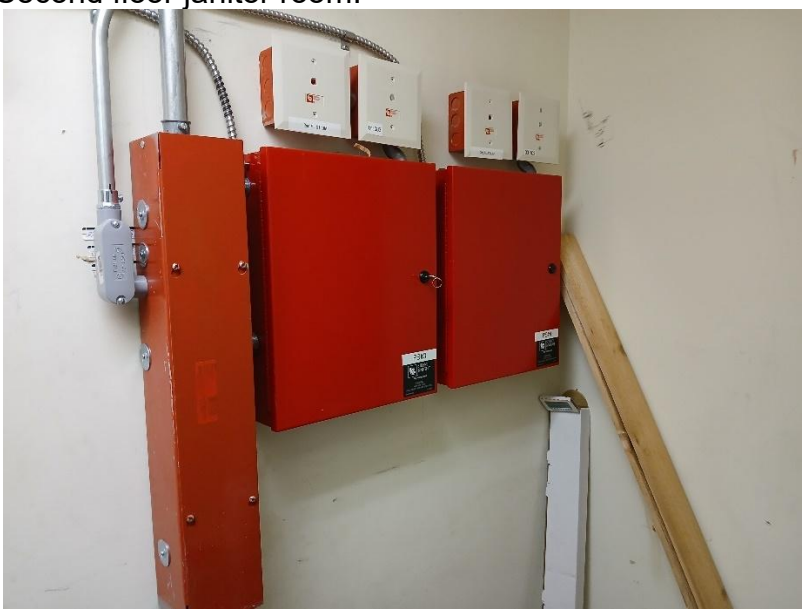
The current fire alarm system located in the maintenance room off the main entry lobby on the 1st floor. The fire alarm was installed in 1985 and replaced in 2007 with a main control panel is Silent Knight SK5820XL. The existing Silent Knight SK5820XL fire alarm panel and devices are obsolete. This fire alarm system should be replaced.
120VAC Power from Panel H3 Circuit Breaker 21 with locked on device located basement in mechanical/electrical room.
The UL-listed central station monitoring is provided by Smith Fire System Inc Account # LAC AES 10476 via AES Radio adjacent to main fire alarm panel in photo below:

The existing remote annunciator is located in the main entry office area basement. 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:

first floor Mechanical/Electrical 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. There is a zonal dual-connected heat detector in the elevator machine room for elevator shunt trips and the other connection is for monitoring the heat detector status.
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 (1) ADA dwelling units (101) 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 basement floor west stairs. The Sprinkler Riser for 1st,2nd, and 3rd floors is located in center stairs. Each riser has

a water flow valve switch and a tamper valve switch. The Sprinkler Riser backflow device is located 1st floor west stairs. There are two elevator sprinkler tampers for machine room and pit.

9. Adjacent to the existing building exterior south corridor ground on site is the PIV and vault with sprinkler backflow tamper switches. The fire alarm input modules are located in the basement Mechanical/Electrical room.
10. This building has crawl space leak detector devices on the south and north side of the building. The fire alarm input modules are located in the basement Mechanical/Electrical 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	1st Floor Maintenance Room adjacent to south corridor.
(2) Fire Alarm NAC Panel	1st Floor Maintenance Room adjacent to south corridor.
(2) Fire Alarm NAC Panel	2nd Floor – Janitor Room
(2) Fire Alarm NAC Panel	3rd Floor – Janitor Room

REMOTE ANNUNCIATORS:

Type	Location
LCD Display	Basement Main Entry Lobby

INITIATING DEVICES:

Type	Qty	Addressable or Conventional	Alarm or Supervisory	Sensing Technology
Manual Pull Stations	16	Addressable	Alarm	Contact
Addressable Smoke Detectors	40	Addressable	Alarm	Photo
Dwelling Addressable Heat Detectors	97	Addressable	Alarm	Contact
Dwelling 120VAC Stand-a-Lone Smoke Detector	97			
Duct Smoke Detectors	0	Addressable Module	Supervisory	Contact
Heat Detectors	105	(104) Addressable (1) Conventional	Alarm	135° F Temp
Gas Detectors	NA			
Carbon Monoxide Detectors	NA			
Waterflow Switches	5	Addressable Module	Alarm	Contact
Tamper Switches	9	Addressable Module	Supervisory	Contact
Back Flow Tamper Switches	1	Addressable Module	Supervisory	Contact
PIV	1	Addressable Module	Supervisory	Contact
Elevator Shunt trip Power	1	Addressable Module	Supervisory	Contact
Elevator Dual Contacted Heat Detector	1	Addressable Module	Alarm	Contact
Crawl Space Water Flow	1	Addressable Module	Alarm	Contact
Crawl Space Tamper	1	Addressable Module	Supervisory	Contact

NOTIFICATION APPLIANCES:

Type	Quantity	Description
Audible		
Visual	73	System Sensor
Combination of Audible and Visual	121	System Sensor
Dwelling Strobe	70	System Sensor
Dwelling Horn/Strobe	99	System Sensor
Dwelling 120VAC Smoke Detector Audible	99	Gentex
Sprinkler Exterior Bell	0	Water Gong
Fire Alarm Exterior Bell/strobe	1	Wheelock Bell and System Sensor Strobe

SYSTEM CONTROL FUNCTIONS:

Type	Quantity

Hold-Open Door Releasing Devices	14
HVAC Shutdown	1
Fire/Smoke Dampers	8
Door Unlock	1
Elevator Recall	3
Elevator Shunt Trip	1

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.
- International Fire Code (IFC) – WAC 51-54.

- Section 15.05.50 KK, MM, & NN of the City of Shoreline municipal code requires the following amendments to the standard international fire code:

- KK - 907.2 A minimum of one manual fire alarm box shall be provided in an approved location to initiate a fire alarm signal to fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this code allow the elimination of fire alarm boxes due to sprinklers, a single fire alarm box shall be installed
- MM - 907.2.25 Remodels and tenant improvements. When undergoing remodeling and tenant improvements, existing occupancies equipped with smoke detectors that are 10 or more years old shall have all such detectors replaced

with modern units. Those occupancies without the protection of smoke detection shall add smoke detection in accordance with the applicable requirements in the International Residential Code or International Building Code.

- NN - 907.2.26 Alarm panel beyond repair. When an alarm panel is beyond repair and parts are not available, a new alarm panel shall be required. Installation of the new alarm panel shall be in accordance with Section 907.

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 H3. Panelboard H3 circuit breakers 9,19, and 21 are labeled fire alarm but only one of the circuit breakers has a lock-on device. Provide a new panelboard label and typed index card and relabel fire alarm equipment in the field. Provide lock-on devices as required by fire code.

FIRE ALARM SYSTEM REPLACEMENT:

The following items will require replacement:

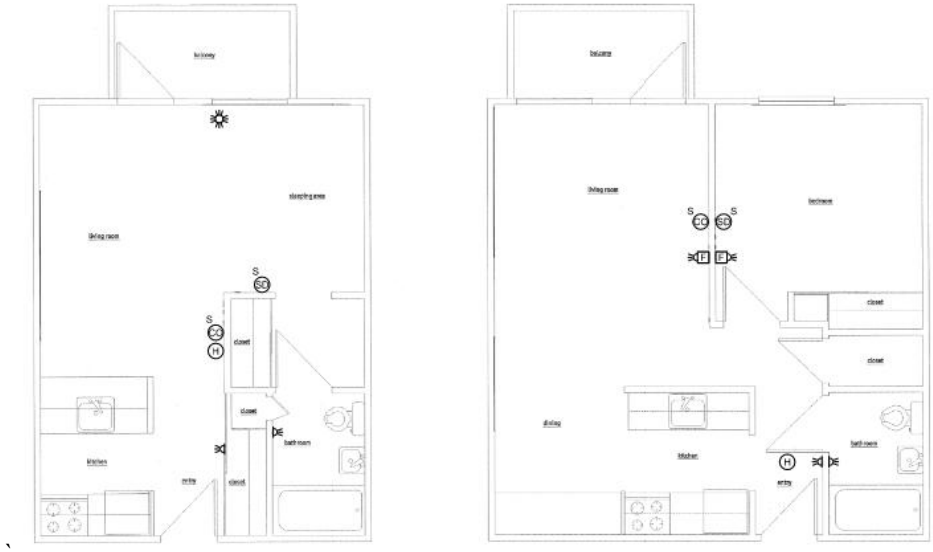
1. New fire alarm panel should be mounted left of the existing fire alarm panel on the same wall.
2. Stack the NAC Panels adjacent to the new fire alarm panel.
3. Mount the new AES radio above the new fire alarm panel.
4. New NAC Panels should be mounted right of the existing NAC Panel in the storage room Basement, 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.
      - (2) - Addressable Smoke/CO detector heads
      - (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. Paramount House has 4 stories and 70 dwelling units. 13 studio dwelling units and 9 – 1-bedroom dwelling units on 1st floor, 15 studio dwelling units

and 9 - 1-bedroom dwelling units on 2nd floor, and 14 studio dwelling units and 9 – 1-bedroom 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. Paramount House 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 Paramount House.



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, Fire/Smoke Dampers, and door holders will have a global shut down.
- 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 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

SILENT KNIGHT
by Honeywell

MODULE CONFIGURATION REPORT

Module ID:	1
Type:	5815XL
Name:	5815XL 01
Description:	5815XL SLC Loop Expander
SLC supervision:	Class B

Module ID:	2
Type:	5860
Name:	5860 02
Description:	5860 Fire Annunciator

Module ID:	33
Type:	5815XL
Name:	Internal SLC
Description:	Internal SLC Loop Expander
SLC supervision:	Class B

Module ID:	34
Type:	5895XL
Name:	Int. Pwr Sup
Description:	Internal Power Supply
S-Bus supervision:	Class B

Module ID:	35
Type:	5860
Name:	Int. Annunc.
Description:	Internal Fire Annunciator

POINT LISTING

Point ID	Point Name	Point Type	Location
01:001	2nd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:002	2nd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:003	2nd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:004	2nd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:005	2nd Fl E. Stair Pull	Init:Addr:Switch:Manual Pull	Z1
01:006	2nd Fl Rm 200	Init:Addr:Detector:Heat	Z1
01:007	2nd Fl Rm 201	Init:Addr:Detector:Heat	Z1
01:008	2nd Fl Rm 202	Init:Addr:Detector:Heat	Z1
01:009	2nd Fl Rm 202	Init:Addr:Detector:Heat	Z1
01:010	2nd Fl Rm 203	Init:Addr:Detector:Heat	Z1
01:011	2nd Fl Rm 204	Init:Addr:Detector:Heat	Z1
01:012	2nd Fl Rm 205	Init:Addr:Detector:Heat	Z1
01:013	2nd Fl Rm 205	Init:Addr:Detector:Heat	Z1
01:014	2nd Fl Rm 206	Init:Addr:Detector:Heat	Z1
01:015	2nd Fl Rm 206	Init:Addr:Detector:Heat	Z1
01:016	2nd Fl Rm 207	Init:Addr:Detector:Heat	Z1
01:017	2nd Fl Rm 208	Init:Addr:Detector:Heat	Z1
01:018	2nd Fl Rm 208	Init:Addr:Detector:Heat	Z1
01:019	2nd Fl Rm 209	Init:Addr:Detector:Heat	Z1
01:020	2nd Fl Rm 210	Init:Addr:Detector:Heat	Z1
01:021	2nd Fl Rm 211	Init:Addr:Detector:Heat	Z1
01:022	MODULE_1 POINT_22	Unused	Unused
01:023	MODULE_1 POINT_23	Unused	Unused
01:024	MODULE_1 POINT_24	Unused	Unused
01:025	MODULE_1 POINT_25	Unused	Unused
01:026	MODULE_1 POINT_26	Unused	Unused
01:027	3rd Fl Cntr W. Stair	Init:Addr:Switch:Manual Pull	Z1
01:028	3rd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:029	3rd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:030	3rd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:031	3rd Fl W. Corridor	Init:Addr:Detector:Photo	Z1
01:032	3rd Fl West Stair	Init:Addr:Switch:Manual Pull	Z1
01:033	3rd fl Cntr E. Stair	Init:Addr:Switch:Manual Pull	Z1
01:034	3rd Fl E. Corridor	Init:Addr:Detector:Photo	Z1
01:035	3rd Fl E. Corridor	Init:Addr:Detector:Photo	Z1
01:036	3rd Fl E. Corridor	Init:Addr:Detector:Photo	Z1
01:037	3rd Fl E. Corridor	Init:Addr:Detector:Photo	Z1
01:038	3rd Fl E. Stair	Init:Addr:Switch:Manual Pull	Z1
01:039	3rd Fl Rm 323	Init:Addr:Detector:Heat	Z1
01:040	3rd Fl Rm 322	Init:Addr:Detector:Heat	Z1
01:041	3rd Fl Rm 321	Init:Addr:Detector:Heat	Z1
01:042	3rd Fl Rm 320	Init:Addr:Detector:Heat	Z1
01:043	3rd Fl Rm 320	Init:Addr:Detector:Heat	Z1
01:044	3rd Fl Rm 319	Init:Addr:Detector:Heat	Z1
01:045	3rd Fl Rm 318	Init:Addr:Detector:Heat	Z1
01:046	3rd Fl Rm 318	Init:Addr:Detector:Heat	Z1
01:047	3rd Fl Rm 317	Init:Addr:Detector:Heat	Z1
01:048	3rd Fl Rm 317	Init:Addr:Detector:Heat	Z1
01:049	3rd Fl Rm 316	Init:Addr:Detector:Heat	Z1
01:050	3rd Fl Rm 315	Init:Addr:Detector:Heat	Z1
01:051	3rd Fl Rm 314	Init:Addr:Detector:Heat	Z1
01:052	3rd Fl Rm 314	Init:Addr:Detector:Heat	Z1
01:053	3rd Fl Rm 313	Init:Addr:Detector:Heat	Z1
01:054	3rd Fl Rm 312	Init:Addr:Detector:Heat	Z1
01:055	3rd Fl Rm 312	Init:Addr:Detector:Heat	Z1
01:056	3rd Fl E. Library	Init:Addr:Detector:Photo	Z1
01:057	3rd Fl Rm 301	Init:Addr:Detector:Heat	Z1
01:058	3rd Fl Rm 302	Init:Addr:Detector:Heat	Z1
01:059	3rd Fl Rm 302	Init:Addr:Detector:Heat	Z1
01:060	3rd Fl Rm 303	Init:Addr:Detector:Heat	Z1
01:061	3rd Fl Rm 304	Init:Addr:Detector:Heat	Z1
01:062	3rd Fl Rm 305	Init:Addr:Detector:Heat	Z1
01:063	3rd Fl Rm 305	Init:Addr:Detector:Heat	Z1

POINT LISTING

Point ID	Point Name	Point Type	Location
01:064	3rd Fl Rm 306	Init:Addr:Detector:Heat	Z1
01:065	3rd Fl Rm 306	Init:Addr:Detector:Heat	Z1
01:066	3rd Fl E. Stairwell	Init:Addr:Detector:Photo	Z1
01:067	3rd Fl Rm 307	Init:Addr:Detector:Heat	Z1
01:068	3rd Fl Rm 308	Init:Addr:Detector:Heat	Z1
01:069	3rd Fl Rm 308	Init:Addr:Detector:Heat	Z1
01:070	3rd Fl Rm 309	Init:Addr:Detector:Heat	Z1
01:071	3rd Fl Rm 310	Init:Addr:Detector:Heat	Z1
01:072	3rd Fl Rm 311	Init:Addr:Detector:Heat	Z1
01:073	3rd Fl W Stairwell	Init:Addr:Detector:Photo	Z1
01:074	3rd Fl Cnt W Stairwl	Init:Addr:Detector:Photo	Z1
01:075	3rd Fl Cnt E Stairwl	Init:Addr:Detector:Photo	Z1
01:076	3rd Fl Stor. Rm 328	Init:Addr:Detector:Photo	Z1
01:077	3rd Fl Rm 328 BPS#6	Init:Addr:Switch:Supervisory	Z1
01:078	3rd Fl Rm 328 BPS#6	Init:Addr:Switch:Supervisory	Z1
01:079	3rd Fl Center Stair	Init:Addr:Switch:Water Flow	Z1
01:080	3rd Fl Center Stair	Init:Addr:Switch:Tamper	Z1
01:081	3rd Fl Elev Lobby	Init:Addr:Detector:Photo	Z4
01:082	3rd Fl. Laundry	Init:Addr:Detector:Heat	Z1
01:083	Trouble BPS#3 Rm228	Init:Addr:Switch:Supervisory	Z1
01:084	Elev. Top of Shaft	Init:Addr:Detector:Photo	Z3
01:085	MODULE_1 POINT_85	Unused	Unused
01:086	MODULE_1 POINT_86	Unused	Unused
01:087	MODULE_1 POINT_87	Unused	Unused
01:088	MODULE_1 POINT_88	Unused	Unused
01:089	MODULE_1 POINT_89	Unused	Unused
01:090	MODULE_1 POINT_90	Unused	Unused
01:091	MODULE_1 POINT_91	Unused	Unused
01:092	MODULE_1 POINT_92	Unused	Unused
01:093	MODULE_1 POINT_93	Unused	Unused
01:094	MODULE_1 POINT_94	Unused	Unused
01:095	MODULE_1 POINT_95	Unused	Unused
01:096	MODULE_1 POINT_96	Unused	Unused
01:097	MODULE_1 POINT_97	Unused	Unused
01:098	MODULE_1 POINT_98	Unused	Unused
01:099	MODULE_1 POINT_99	Unused	Unused
01:100	MODULE_1 POINT_100	Unused	Unused
01:101	MODULE_1 POINT_101	Unused	Unused
01:102	MODULE_1 POINT_102	Unused	Unused
01:103	MODULE_1 POINT_103	Unused	Unused
01:104	MODULE_1 POINT_104	Unused	Unused
01:105	MODULE_1 POINT_105	Unused	Unused
01:106	MODULE_1 POINT_106	Unused	Unused
01:107	MODULE_1 POINT_107	Unused	Unused
01:108	MODULE_1 POINT_108	Unused	Unused
01:109	MODULE_1 POINT_109	Unused	Unused
01:110	MODULE_1 POINT_110	Unused	Unused
01:111	MODULE_1 POINT_111	Unused	Unused
01:112	MODULE_1 POINT_112	Unused	Unused
01:113	MODULE_1 POINT_113	Unused	Unused
01:114	MODULE_1 POINT_114	Unused	Unused
01:115	MODULE_1 POINT_115	Unused	Unused
01:116	MODULE_1 POINT_116	Unused	Unused
01:117	MODULE_1 POINT_117	Unused	Unused
01:118	MODULE_1 POINT_118	Unused	Unused
01:119	MODULE_1 POINT_119	Unused	Unused
01:120	MODULE_1 POINT_120	Unused	Unused
01:121	MODULE_1 POINT_121	Unused	Unused
01:122	MODULE_1 POINT_122	Unused	Unused
01:123	MODULE_1 POINT_123	Unused	Unused
01:124	MODULE_1 POINT_124	Unused	Unused
01:125	MODULE_1 POINT_125	Unused	Unused
01:126	MODULE_1 POINT_126	Unused	Unused

POINT LISTING

Point ID	Point Name	Point Type	Location
01:127	MODULE_1 POINT_127	Unused	Unused
33:001	Grnd Fl Elev Mach Rm	Init:Addr:Detector:Photo	Z3
33:002	Grnd Fl Elev Lobby	Init:Addr:Detector:Photo	Z2
33:003	1st Floor Elev Lobby	Init:Addr:Detector:Photo	Z4
33:004	2nd Fl Elev Lobby	Init:Addr:Detector:Photo	Z4
33:005	MODULE_33 POINT_5	Unused	Unused
33:006	Grnd Fl Corridor	Init:Addr:Detector:Photo	Z1
33:007	Grnd Fl Comm. Rm	Init:Addr:Detector:Photo	Z1
33:008	Grnd Floor Comm. Rm	Init:Addr:Switch:Manual Pull	Z1
33:009	Grnd Fl Office 202	Init:Addr:Switch:Manual Pull	Z1
33:010	Grnd Fl Elev Lobby	Init:Addr:Switch:Manual Pull	Z1
33:011	Grnd Fl Tamper	Unused	Unused
33:012	Grnd Fl Tamper	Unused	Unused
33:013	1st Fl CNTR Stair	Init:Addr:Switch:Water Flow	Z1
33:014	2nd Fl CNT Stair	Init:Addr:Switch:Tamper	Z1
33:015		Unused	Unused
33:016		Unused	Unused
33:017		Unused	Unused
33:018	1st Fl CNTR Stair	Init:Addr:Switch:Supervisory	Z1
33:019	2nd Fl CNTR Stair	Init:Addr:Switch:Water Flow	Z1
33:020	MODULE_33 POINT_20	Unused	Unused
33:021	Room 128 - Smoke	Init:Addr:Detector:Photo	Z1
33:022	1st Fl Cent W. Stair	Init:Addr:Switch:Manual Pull	Z1
33:023	1st Fl W. Corridor	Init:Addr:Detector:Photo	Z1
33:024	1st Fl W. Corridor	Init:Addr:Detector:Photo	Z1
33:025	1st Fl W. Corridor	Init:Addr:Detector:Photo	Z1
33:026	1st Fl W. Corridor	Init:Addr:Detector:Photo	Z1
33:027	1st Fl Cntr E Stair	Init:Addr:Switch:Manual Pull	Z1
33:028	1st Fl E. Corridor	Init:Addr:Detector:Photo	Z1
33:029	1st Fl E. Corridor	Init:Addr:Detector:Photo	Z1
33:030	1st Fl E. Corridor	Init:Addr:Detector:Photo	Z1
33:031	1st Fl E. Corridor	Init:Addr:Detector:Photo	Z1
33:032	1st Fl E. Stair Pull	Init:Addr:Switch:Manual Pull	Z1
33:033	1st Fl W. Stair Pull	Init:Addr:Switch:Manual Pull	Z1
33:034	1st Floor Rm 123	Init:Addr:Detector:Heat	Z1
33:035	1st Floor Rm 122	Init:Addr:Detector:Heat	Z1
33:036	1st Floor Rm 121	Init:Addr:Detector:Heat	Z1
33:037	1st Floor Rm 120	Init:Addr:Detector:Heat	Z1
33:038	1st Floor Rm 120	Init:Addr:Detector:Heat	Z1
33:039	1st Floor Rm 119	Init:Addr:Detector:Heat	Z1
33:040	1st Floor Rm 118	Init:Addr:Detector:Heat	Z1
33:041	1st Floor Rm 118	Init:Addr:Detector:Heat	Z1
33:042	1st Floor Rm 117	Init:Addr:Detector:Heat	Z1
33:043	1st Floor Rm 117	Init:Addr:Detector:Heat	Z1
33:044	1st Floor Rm 116	Init:Addr:Detector:Heat	Z1
33:045	1st Floor Rm 115	Init:Addr:Detector:Heat	Z1
33:046	1st Floor Rm 114	Init:Addr:Detector:Heat	Z1
33:047	1st Floor Rm 114	Init:Addr:Detector:Heat	Z1
33:048	1st Floor Rm 113	Init:Addr:Detector:Heat	Z1
33:049	1st Floor Rm 112	Init:Addr:Detector:Heat	Z1
33:050	1st Floor Rm 112	Init:Addr:Detector:Heat	Z1
33:051	1st Fl Lobby Pull	Init:Addr:Switch:Manual Pull	Z1
33:052	1st Floor Rm 101	Init:Addr:Detector:Heat	Z1
33:053	1st Floor Rm 101	Init:Addr:Detector:Heat	Z1
33:054	1st Floor Rm 101	Init:Addr:Detector:Heat	Z1
33:055	1st Floor Rm 102	Init:Addr:Detector:Heat	Z1
33:056	1st Floor Rm 102	Init:Addr:Detector:Heat	Z1
33:057	1st Floor Rm 103	Init:Addr:Detector:Heat	Z1
33:058	1st Floor Rm 104	Init:Addr:Detector:Heat	Z1
33:059	1st Floor Rm 105	Init:Addr:Detector:Heat	Z1
33:060	1st Floor Rm 105	Init:Addr:Detector:Heat	Z1
33:061	1st Floor Rm 106	Init:Addr:Detector:Heat	Z1
33:062	1st Floor Rm 106	Init:Addr:Detector:Heat	Z1

POINT LISTING

Point ID	Point Name	Point Type	Location
33:063	1st Floor Rm 107	Init:Addr:Detector:Heat	Z1
33:064	1st Floor Rm 108	Init:Addr:Detector:Heat	Z1
33:065	1st Floor Rm 108	Init:Addr:Detector:Heat	Z1
33:066	1st Floor Rm 109	Init:Addr:Detector:Heat	Z1
33:067	1st Floor Rm 110	Init:Addr:Detector:Heat	Z1
33:068	1st Floor Rm 111	Init:Addr:Detector:Heat	Z1
33:069	RM 128 BPS#1 TRBL	Init:Addr:Switch:Supervisory	Z1
33:070	RM 128 BPS#2 TRBL	Init:Addr:Switch:Supervisory	Z1
33:071	Elevator Recall	Notif:Addr:Relay:	G2
33:072	Alt. Elevator Recall	Notif:Addr:Relay:	G3
33:073	Fire Hat Light	Notif:Addr:Relay:	G4
33:074	Mag Door Holders	Unused	Unused
33:075	Fire Damper Closure	Unused	Unused
33:076	2nd Fl Storage Rm228	Init:Addr:Detector:Photo	Z1
33:077	2nd Fl laundry Rm227	Init:Addr:Detector:Heat	Z1
33:078	2nd Fl Center W.Pull	Init:Addr:Switch:Manual Pull	Z1
33:079	2nd Fl Corridor West	Init:Addr:Detector:Photo	Z1
33:080	2nd Fl Corridor West	Init:Addr:Detector:Photo	Z1
33:081	2nd Fl Corridor West	Init:Addr:Detector:Photo	Z1
33:082	2nd Fl Corridor West	Init:Addr:Detector:Photo	Z1
33:083	2nd fl W. Stair Pull	Init:Addr:Switch:Manual Pull	Z1
33:084	2nd Fl Rm 223	Init:Addr:Detector:Heat	Z1
33:085	2nd Fl Rm 222	Init:Addr:Detector:Heat	Z1
33:086	2nd Fl Rm 221	Init:Addr:Detector:Heat	Z1
33:087	2nd Fl Rm 220	Init:Addr:Detector:Heat	Z1
33:088	2nd Fl Rm 220	Init:Addr:Detector:Heat	Z1
33:089	2nd Fl Rm 219	Init:Addr:Detector:Heat	Z1
33:090	2nd Fl Rm 218	Init:Addr:Detector:Heat	Z1
33:091	2nd Fl Rm 218	Init:Addr:Detector:Heat	Z1
33:092	2nd Fl Rm 217	Init:Addr:Detector:Heat	Z1
33:093	2nd Fl Rm 217	Init:Addr:Detector:Heat	Z1
33:094	2nd Fl Rm 216	Init:Addr:Detector:Heat	Z1
33:095	2nd Fl Rm 215	Init:Addr:Detector:Heat	Z1
33:096	2nd Fl Rm 214	Init:Addr:Detector:Heat	Z1
33:097	2nd Fl Rm 214	Init:Addr:Detector:Heat	Z1
33:098	2nd Fl Rm 213	Init:Addr:Detector:Heat	Z1
33:099	2nd Fl Rm 212	Init:Addr:Detector:Heat	Z1
33:100	2nd Fl Rm 212	Init:Addr:Detector:Heat	Z1
33:101	2nd Fl Cntr E Stair	Init:Addr:Switch:Manual Pull	Z1
33:102	Spare	Unused	Unused
33:103	2nd Fl Rm 228 BPS#4	Init:Addr:Switch:Supervisory	Z1
33:104	1st Fl Storage West	Init:Addr:Detector:Heat	Z1
33:105	Sprnk Riser Room	Init:Addr:Detector:Heat	Z1
33:106	BSMT Electrical Rm	Init:Addr:Detector:Heat	Z1
33:107	BSMT Waterflow	Init:Addr:Switch:Water Flow	Z1
33:108	BSMT Tamper	Unused	Unused
33:109	Elev Mach Rm Tamper	Init:Addr:Switch:Tamper	Z1
33:110	Flow Switch	Init:Addr:Switch:Water Flow	Z1
33:111	Crawl Tamper	Init:Addr:Switch:Tamper	Z1
33:112	DH/Fan/Shutdown	Notif:Addr:Relay:	G1
33:113	MODULE_33 POINT_113	Unused	Unused
33:114	BSMT Tamper	Init:Addr:Switch:Supervisory	Z1
33:115	Back Flow Vault	Init:Addr:Switch:Supervisory	Z1
33:116	Outside PIV	Init:Addr:Switch:Supervisory	Z1
33:117	DH/Damp/Fan Shutdown	Notif:Addr:Relay:	G5
33:118	MODULE_33 POINT_118	Unused	Unused
33:119	MODULE_33 POINT_119	Unused	Unused
33:120	MODULE_33 POINT_120	Unused	Unused
33:121	MODULE_33 POINT_121	Unused	Unused
33:122	MODULE_33 POINT_122	Unused	Unused
33:123	MODULE_33 POINT_123	Unused	Unused
33:124	MODULE_33 POINT_124	Unused	Unused
33:125	ELV PWR FAIL	Init:Addr:Switch:Supervisory	Z1

POINT LISTING

Point ID	Point Name	Point Type	Location
33:126	ELV MECH HEAT	Init:Addr:Switch:Manual Pull	Z3
33:127	ELV DAMPER	Notif:Addr:Relay:	G1
34:001	Ground Floor Signal	Notif:Conv:	G1
34:002	Trip to BPS 1&2	Notif:Conv:	G1
34:003	Trip to BPS 3	Notif:Conv:	G1
34:004	Trip to BPS 4	Notif:Conv:	G1
34:005	Trip to BPS5	Notif:Conv:	G1
34:006	Trip to BPS 6	Notif:Conv:	G1
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	General Alarm	1 Count	Low	Medium	135
2	Alt Elevator Recall	1 Count	Low	Medium	135
3	Elev Mach Room	1 Count	Low	Medium	150
4	Elevator Recall	1 Count	Low	Medium	150

INPUT ZONE POINT LISTING

Zone 1

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

Point(s) in Zone 1

Point ID	Point Name	Point Type
01:001	2nd Fl W. Corridor	Init:Addr:Detector:Photo
01:002	2nd Fl W. Corridor	Init:Addr:Detector:Photo
01:003	2nd Fl W. Corridor	Init:Addr:Detector:Photo
01:004	2nd Fl W. Corridor	Init:Addr:Detector:Photo
01:005	2nd Fl E. Stair Pull	Init:Addr:Switch:Manual Pull
01:006	2nd Fl Rm 200	Init:Addr:Detector:Heat
01:007	2nd Fl Rm 201	Init:Addr:Detector:Heat
01:008	2nd Fl Rm 202	Init:Addr:Detector:Heat
01:009	2nd Fl Rm 202	Init:Addr:Detector:Heat
01:010	2nd Fl Rm 203	Init:Addr:Detector:Heat
01:011	2nd Fl Rm 204	Init:Addr:Detector:Heat
01:012	2nd Fl Rm 205	Init:Addr:Detector:Heat
01:013	2nd Fl Rm 205	Init:Addr:Detector:Heat
01:014	2nd Fl Rm 206	Init:Addr:Detector:Heat
01:015	2nd Fl Rm 206	Init:Addr:Detector:Heat
01:016	2nd Fl Rm 207	Init:Addr:Detector:Heat
01:017	2nd Fl Rm 208	Init:Addr:Detector:Heat
01:018	2nd Fl Rm 208	Init:Addr:Detector:Heat
01:019	2nd Fl Rm 209	Init:Addr:Detector:Heat
01:020	2nd Fl Rm 210	Init:Addr:Detector:Heat
01:021	2nd Fl Rm 211	Init:Addr:Detector:Heat
01:027	3rd Fl Cntr W. Stair	Init:Addr:Switch:Manual Pull
01:028	3rd Fl W. Corridor	Init:Addr:Detector:Photo
01:029	3rd Fl W. Corridor	Init:Addr:Detector:Photo
01:030	3rd Fl W. Corridor	Init:Addr:Detector:Photo
01:031	3rd Fl W. Corridor	Init:Addr:Detector:Photo
01:032	3rd Fl West Stair	Init:Addr:Switch:Manual Pull
01:033	3rd fl Cntr E. Stair	Init:Addr:Switch:Manual Pull
01:034	3rd Fl E. Corridor	Init:Addr:Detector:Photo
01:035	3rd Fl E. Corridor	Init:Addr:Detector:Photo
01:036	3rd Fl E. Corridor	Init:Addr:Detector:Photo
01:037	3rd Fl E. Corridor	Init:Addr:Detector:Photo
01:038	3rd Fl E. Stair	Init:Addr:Switch:Manual Pull
01:039	3rd Fl Rm 323	Init:Addr:Detector:Heat
01:040	3rd Fl Rm 322	Init:Addr:Detector:Heat
01:041	3rd Fl Rm 321	Init:Addr:Detector:Heat
01:042	3rd Fl Rm 320	Init:Addr:Detector:Heat
01:043	3rd Fl Rm 320	Init:Addr:Detector:Heat
01:044	3rd Fl Rm 319	Init:Addr:Detector:Heat
01:045	3rd Fl Rm 318	Init:Addr:Detector:Heat
01:046	3rd Fl Rm 318	Init:Addr:Detector:Heat
01:047	3rd Fl Rm 317	Init:Addr:Detector:Heat
01:048	3rd Fl Rm 317	Init:Addr:Detector:Heat
01:049	3rd Fl Rm 316	Init:Addr:Detector:Heat
01:050	3rd Fl Rm 315	Init:Addr:Detector:Heat
01:051	3rd Fl Rm 314	Init:Addr:Detector:Heat
01:052	3rd Fl Rm 314	Init:Addr:Detector:Heat
01:053	3rd Fl Rm 313	Init:Addr:Detector:Heat
01:054	3rd Fl Rm 312	Init:Addr:Detector:Heat
01:055	3rd Fl Rm 312	Init:Addr:Detector:Heat
01:056	3rd Fl E. Library	Init:Addr:Detector:Photo
01:057	3rd Fl Rm 301	Init:Addr:Detector:Heat
01:058	3rd Fl Rm 302	Init:Addr:Detector:Heat
01:059	3rd Fl Rm 302	Init:Addr:Detector:Heat
01:060	3rd Fl Rm 303	Init:Addr:Detector:Heat
01:061	3rd Fl Rm 304	Init:Addr:Detector:Heat

INPUT ZONE POINT LISTING

01:062	3rd Fl Rm 305	Init:Addr:Detector:Heat
01:063	3rd Fl Rm 305	Init:Addr:Detector:Heat
01:064	3rd Fl Rm 306	Init:Addr:Detector:Heat
01:065	3rd Fl Rm 306	Init:Addr:Detector:Heat
01:066	3rd Fl E. Stairwell	Init:Addr:Detector:Photo
01:067	3rd Fl Rm 307	Init:Addr:Detector:Heat
01:068	3rd Fl Rm 308	Init:Addr:Detector:Heat
01:069	3rd Fl Rm 308	Init:Addr:Detector:Heat
01:070	3rd Fl Rm 309	Init:Addr:Detector:Heat
01:071	3rd Fl Rm 310	Init:Addr:Detector:Heat
01:072	3rd Fl Rm 311	Init:Addr:Detector:Heat
01:073	3rd Fl W Stairwell	Init:Addr:Detector:Photo
01:074	3rd Fl Cnt W Stairwl	Init:Addr:Detector:Photo
01:075	3rd Fl Cnt E Stairwl	Init:Addr:Detector:Photo
01:076	3rd Fl Stor. Rm 328	Init:Addr:Detector:Photo
01:077	3rd Fl Rm 328 BPS#6	Init:Addr:Switch:Supervisory
01:078	3rd Fl Rm 328 BPS#6	Init:Addr:Switch:Supervisory
01:079	3rd Fl Center Stair	Init:Addr:Switch:Water Flow
01:080	3rd Fl Center Stair	Init:Addr:Switch:Tamper
01:082	3rd Fl. Laundry	Init:Addr:Detector:Heat
01:083	Trouble BPS#3 Rm228	Init:Addr:Switch:Supervisory
33:006	Grnd Fl Corridor	Init:Addr:Detector:Photo
33:007	Grnd Fl Comm. Rm	Init:Addr:Detector:Photo
33:008	Grnd Floor Comm. Rm	Init:Addr:Switch:Manual Pull
33:009	Grnd Fl Office 202	Init:Addr:Switch:Manual Pull
33:010	Grnd Fl Elev Lobby	Init:Addr:Switch:Manual Pull
33:013	1st Fl CNTR Stair	Init:Addr:Switch:Water Flow
33:014	2nd Fl CNT Stair	Init:Addr:Switch:Tamper
33:018	1st Fl CNTR Stair	Init:Addr:Switch:Supervisory
33:019	2nd Fl CNTR Stair	Init:Addr:Switch:Water Flow
33:021	Room 128 - Smoke	Init:Addr:Detector:Photo
33:022	1st Fl Cent W. Stair	Init:Addr:Switch:Manual Pull
33:023	1st Fl W. Corridor	Init:Addr:Detector:Photo
33:024	1st Fl W. Corridor	Init:Addr:Detector:Photo
33:025	1st Fl W. Corridor	Init:Addr:Detector:Photo
33:026	1st Fl W. Corridor	Init:Addr:Detector:Photo
33:027	1st Fl Cntr E Stair	Init:Addr:Switch:Manual Pull
33:028	1st Fl E. Corridor	Init:Addr:Detector:Photo
33:029	1st Fl E. Corridor	Init:Addr:Detector:Photo
33:030	1st Fl E. Corridor	Init:Addr:Detector:Photo
33:031	1st Fl E. Corridor	Init:Addr:Detector:Photo
33:032	1st Fl E. Stair Pull	Init:Addr:Switch:Manual Pull
33:033	1st Fl W. Stair Pull	Init:Addr:Switch:Manual Pull
33:034	1st Floor Rm 123	Init:Addr:Detector:Heat
33:035	1st Floor Rm 122	Init:Addr:Detector:Heat
33:036	1st Floor Rm 121	Init:Addr:Detector:Heat
33:037	1st Floor Rm 120	Init:Addr:Detector:Heat
33:038	1st Floor Rm 120	Init:Addr:Detector:Heat
33:039	1st Floor Rm 119	Init:Addr:Detector:Heat
33:040	1st Floor Rm 118	Init:Addr:Detector:Heat
33:041	1st Floor Rm 118	Init:Addr:Detector:Heat
33:042	1st Floor Rm 117	Init:Addr:Detector:Heat
33:043	1st Floor Rm 117	Init:Addr:Detector:Heat
33:044	1st Floor Rm 116	Init:Addr:Detector:Heat
33:045	1st Floor Rm 115	Init:Addr:Detector:Heat
33:046	1st Floor Rm 114	Init:Addr:Detector:Heat
33:047	1st Floor Rm 114	Init:Addr:Detector:Heat
33:048	1st Floor Rm 113	Init:Addr:Detector:Heat
33:049	1st Floor Rm 112	Init:Addr:Detector:Heat
33:050	1st Floor Rm 112	Init:Addr:Detector:Heat
33:051	1st Fl Lobby Pull	Init:Addr:Switch:Manual Pull
33:052	1st Floor Rm 101	Init:Addr:Detector:Heat
33:053	1st Floor Rm 101	Init:Addr:Detector:Heat
33:054	1st Floor Rm 101	Init:Addr:Detector:Heat

INPUT ZONE POINT LISTING

33:055	1st Floor Rm 102	Init:Addr:Detector:Heat
33:056	1st Floor Rm 102	Init:Addr:Detector:Heat
33:057	1st Floor Rm 103	Init:Addr:Detector:Heat
33:058	1st Floor Rm 104	Init:Addr:Detector:Heat
33:059	1st Floor Rm 105	Init:Addr:Detector:Heat
33:060	1st Floor Rm 105	Init:Addr:Detector:Heat
33:061	1st Floor Rm 106	Init:Addr:Detector:Heat
33:062	1st Floor Rm 106	Init:Addr:Detector:Heat
33:063	1st Floor Rm 107	Init:Addr:Detector:Heat
33:064	1st Floor Rm 108	Init:Addr:Detector:Heat
33:065	1st Floor Rm 108	Init:Addr:Detector:Heat
33:066	1st Floor Rm 109	Init:Addr:Detector:Heat
33:067	1st Floor Rm 110	Init:Addr:Detector:Heat
33:068	1st Floor Rm 111	Init:Addr:Detector:Heat
33:069	RM 128 BPS#1 TRBL	Init:Addr:Switch:Supervisory
33:070	RM 128 BPS#2 TRBL	Init:Addr:Switch:Supervisory
33:076	2nd Fl Storage Rm228	Init:Addr:Detector:Photo
33:077	2nd Fl laundry Rm227	Init:Addr:Detector:Heat
33:078	2nd Fl Center W.Pull	Init:Addr:Switch:Manual Pull
33:079	2nd Fl Corridor West	Init:Addr:Detector:Photo
33:080	2nd Fl Corridor West	Init:Addr:Detector:Photo
33:081	2nd Fl Corridor West	Init:Addr:Detector:Photo
33:082	2nd Fl Corridor West	Init:Addr:Detector:Photo
33:083	2nd fl W. Stair Pull	Init:Addr:Switch:Manual Pull
33:084	2nd Fl Rm 223	Init:Addr:Detector:Heat
33:085	2nd Fl Rm 222	Init:Addr:Detector:Heat
33:086	2nd Fl Rm 221	Init:Addr:Detector:Heat
33:087	2nd Fl Rm 220	Init:Addr:Detector:Heat
33:088	2nd Fl Rm 220	Init:Addr:Detector:Heat
33:089	2nd Fl Rm 219	Init:Addr:Detector:Heat
33:090	2nd Fl Rm 218	Init:Addr:Detector:Heat
33:091	2nd Fl Rm 218	Init:Addr:Detector:Heat
33:092	2nd Fl Rm 217	Init:Addr:Detector:Heat
33:093	2nd Fl Rm 217	Init:Addr:Detector:Heat
33:094	2nd Fl Rm 216	Init:Addr:Detector:Heat
33:095	2nd Fl Rm 215	Init:Addr:Detector:Heat
33:096	2nd Fl Rm 214	Init:Addr:Detector:Heat
33:097	2nd Fl Rm 214	Init:Addr:Detector:Heat
33:098	2nd Fl Rm 213	Init:Addr:Detector:Heat
33:099	2nd Fl Rm 212	Init:Addr:Detector:Heat
33:100	2nd Fl Rm 212	Init:Addr:Detector:Heat
33:101	2nd Fl Cntr E Stair	Init:Addr:Switch:Manual Pull
33:103	2nd Fl Rm 228 BPS#4	Init:Addr:Switch:Supervisory
33:104	1st Fl Storage West	Init:Addr:Detector:Heat
33:105	Sprnk Riser Room	Init:Addr:Detector:Heat
33:106	BSMT Electrical Rm	Init:Addr:Detector:Heat
33:107	BSMT Waterflow	Init:Addr:Switch:Water Flow
33:109	Elev Mach Rm Tamper	Init:Addr:Switch:Tamper
33:110	Flow Switch	Init:Addr:Switch:Water Flow
33:111	Crawl Tamper	Init:Addr:Switch:Tamper
33:114	BSMT Tamper	Init:Addr:Switch:Supervisory
33:115	Back Flow Vault	Init:Addr:Switch:Supervisory
33:116	Outside PIV	Init:Addr:Switch:Supervisory
33:125	ELV PWR FAIL	Init:Addr:Switch:Supervisory

Zone 2

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
2	Alt Elevator Recall	1 Count	Low	Medium	135

Point(s) in Zone 2

INPUT ZONE POINT LISTING

Point ID	Point Name	Point Type
33:002	Grnd Fl Elev Lobby	Init:Addr:Detector:Photo

Zone 3

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
3	Elev Mach Room	1 Count	Low	Medium	150

Point(s) in Zone 3

Point ID	Point Name	Point Type
01:084	Elev. Top of Shaft	Init:Addr:Detector:Photo
33:001	Grnd Fl Elev Mach Rm	Init:Addr:Detector:Photo
33:126	ELV MECH HEAT	Init:Addr:Switch:Manual Pull

Zone 4

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

Point(s) in Zone 4

Point ID	Point Name	Point Type
01:081	3rd Fl Elev Lobby	Init:Addr:Detector:Photo
33:003	1st Floor Elev Lobby	Init:Addr:Detector:Photo
33:004	2nd Fl Elev Lobby	Init:Addr:Detector:Photo

OUTPUT GROUP SUMMARY

Output Group Configuration

Group ID	Name	Latching
1	General Alarm	Non-Latching
2	Elevator Recall	Non-Latching
3	Alt Elevator Recall	Non-Latching
4	Fire Hat Light	Non-Latching
5	DH/Damp/Fan Shutdown	Non-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	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	Non-Silenceable	N/A	Zone Control	N/A
249	Silenceable	N/A	Zone Control	N/A
250	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	Yes	Yes	No	No	No	No	No		N/A
2	No	No	No	No	No	No	No		N/A
3	No	No	No	No	No	No	No		N/A
4	No	No	No	No	No	No	No		N/A
5	Yes	Yes	No	No	No	No	No		N/A
249	Yes	No	No	No	No	No	No		N/A
250	Yes	No	No	No	No	No	No		N/A

OUTPUT GROUP POINT LISTING

Group 1

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

Point(s) in Group 1

Point ID	Point Name	Point Type
33:112	DH/Fan/Shutdown	Notif:Addr:Relay:
33:127	ELV DAMPER	Notif:Addr:Relay:
34:001	Ground Floor Signal	Notif:Conv:
34:002	Trip to BPS 1&2	Notif:Conv:
34:003	Trip to BPS 3	Notif:Conv:
34:004	Trip to BPS 4	Notif:Conv:
34:005	Trip to BPS5	Notif:Conv:
34:006	Trip to BPS 6	Notif:Conv:

Group 2

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

Point(s) in Group 2

Point ID	Point Name	Point Type
33:071	Elevator Recall	Notif:Addr:Relay:

Group 3

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

Point(s) in Group 3

Point ID	Point Name	Point Type
33:072	Alt. Elevator Recall	Notif:Addr:Relay:

Group 4

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

Point(s) in Group 4

Point ID	Point Name	Point Type
33:073	Fire Hat Light	Notif:Addr:Relay:

Group 5

Name	Latching	Silencing	Control
DH/Damp/Fan Shutdown	Non-Latching	Non-Silenceable	Zone Control

Point(s) in Group 5

Point ID	Point Name	Point Type
33:117	DH/Damp/Fan Shutdown	Notif:Addr:Relay:

Group 249

Name	Latching	Silencing	Control
GROUP_249 SUPERVSY	Non-Latching	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

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

Point(s) in Group 250

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

OUTPUT GROUP POINT LISTING

SYSTEM POINT LISTING

Point ID	Point Name	Point Type

MAPPING REPORT

CST - Constant On
MC - March Code
ANS-3.41 - ANSI 3.41 Temporal
SSBT - Single Stroke Bell Temporal
CC - California Code
ZC1 - Zone 1 Coded
ZC2 - Zone 2 Coded
ZC3 - Zone 3 Coded
ZC4 - Zone 4 Coded
ZC5 - Zone 5 Coded
ZC6 - Zone 6 Coded
ZC7 - Zone 7 Coded
ZC8 - Zone 8 Coded
COP1 - Custom Output Pattern 1
COP2 - Custom Output Pattern 2
COP3 - Custom Output Pattern 3
COP4 - Custom Output Pattern 4
Farday - Faraday Sync
Gentex - Gentex Sync
SysSen - System Sensor Sync
Whelck - Wheelock Sync
Amseco - Amseco Sync
N/A - N/A
ANS-4 - ANSI 4 Temporal

Zone 1 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2		Status Pt.		CO Alarm		CO Super.	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
1	Whel							1	CST	1	CST							1	CST	249	CST
5	CST							5	CST	5	CST							250	CST		
250	CST							250	CST												
										250	CST										

Zone 2 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2		Status Pt.		CO Alarm		CO Super.	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
1	Whel							1	CST	1	CST							1	CST	249	CST
								250	CST	250	CST							250	CST		
3	CST																				
5	CST																				
250	CST																				

Zone 3 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2		Status Pt.		CO Alarm		CO Super.	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
1	Whel							1	CST	1	CST							1	CST	249	CST
								250	CST	250	CST							250	CST		
4	CST																				
5	CST																				
250	CST																				

Zone 4 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2		Status Pt.		CO Alarm		CO Super.	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
1	Whel							1	CST	1	CST							1	CST	249	CST
2	CST							250	CST	250	CST							250	CST		
5	CST																				
250	CST																				