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 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 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 RACE WAY 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
19798
REGISTERED PROFESSIONAL ENGINEER

01/08/2025

PROJECT TITLE
KING COUNTY
HOUSING AUTHORITY
YARDLEY ARMS
APARTMENTS
FIRE ALARM SYSTEM
REPLACEMENT

PROJECT ADDRESS
1006 SW. 130TH ST.
BURIEN, WA. 98146

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

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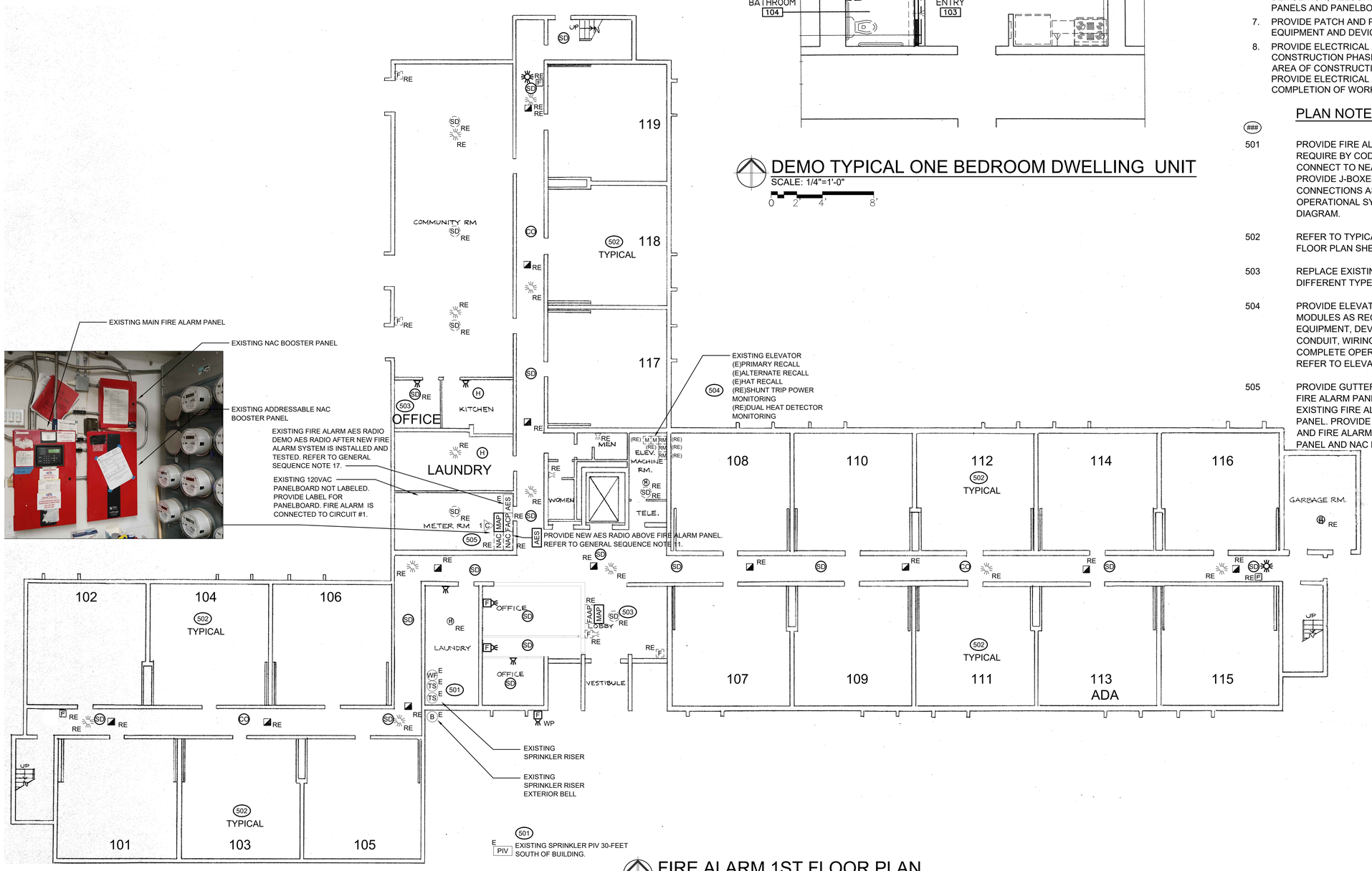
1/8/2025 1:11:02 2361



DEMO TYPICAL ONE BEDROOM DWELLING UNIT

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

0 2' 4' 8'

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 FA5.01 & FA5.02.

503 REPLACE EXISTING FIRE ALARM DEVICE WITH SAME OR DIFFERENT TYPE OF DEVICE AS SHOWN.

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.

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01/08/2025

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KING COUNTY
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APARTMENTS
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REPLACEMENT

PROJECT ADDRESS
1006 SW. 130TH ST.
BURIEN, WA. 98146

100% BID SET

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

SHEET TITLE
FIRE ALARM 1ST FLOOR PLAN

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

SHEET NUMBER
FA5.01

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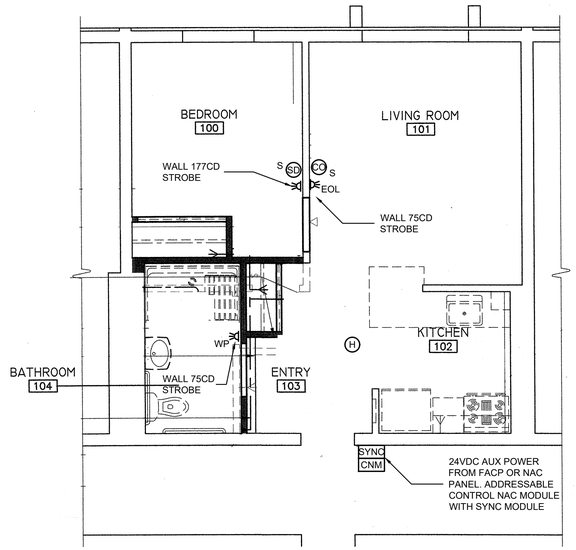
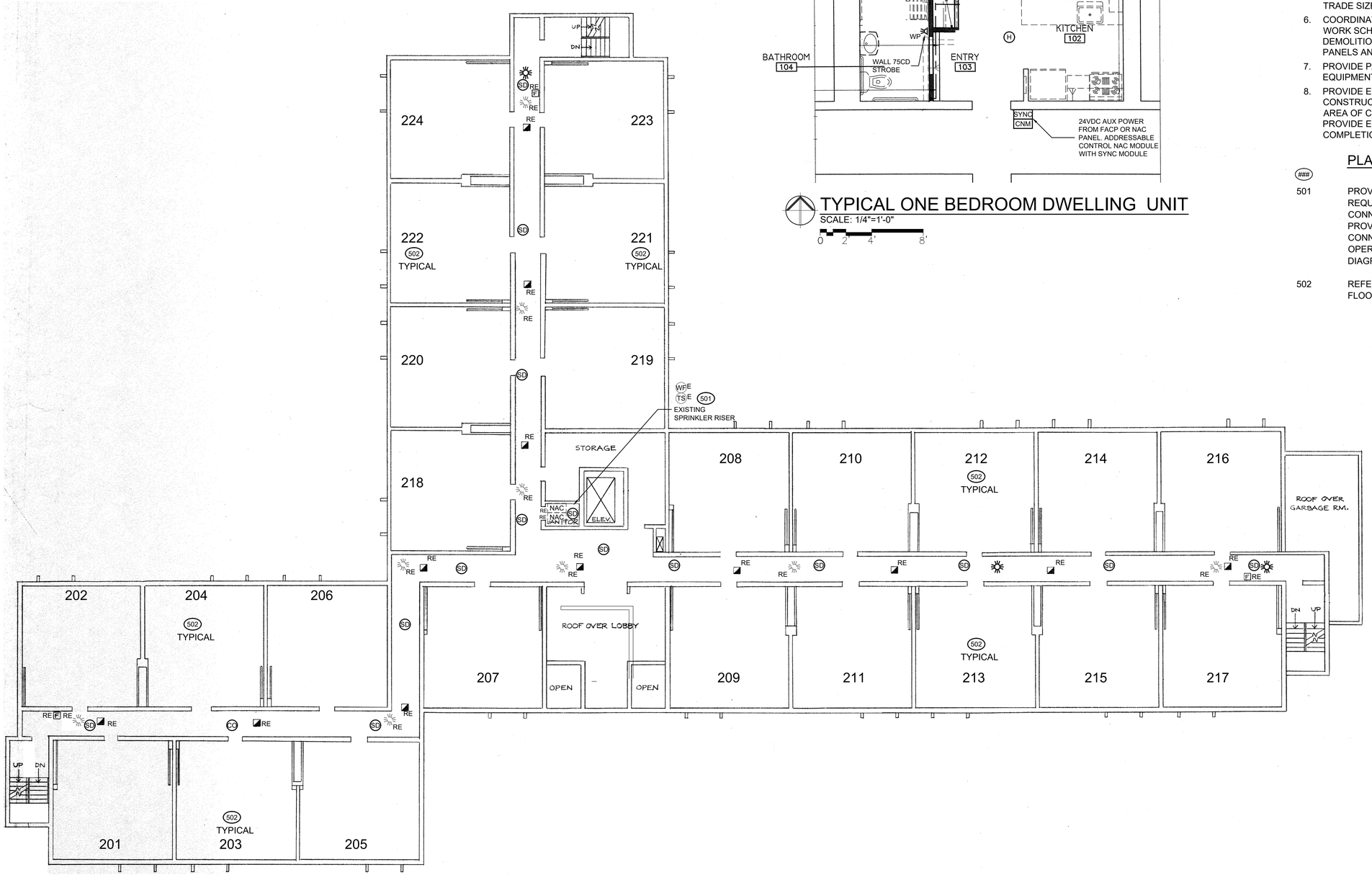


TYPICAL ONE BEDROOM DWELLING UNIT

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

0 2' 4' 8'



FIRE ALARM 2ND 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 FA5.01 & FA5.02.

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1006 SW. 130TH ST.
BURIEN, WA. 98146

100% BID SET

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

SHEET TITLE
FIRE ALARM 2ND
FLOOR PLAN

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

SHEET NUMBER
FA5.02

240801-FA5.02 FIRE ALARM 2ND FLOOR.dwg
1/8/2025 11:02:36

FIRE ALARM 3RD FLOOR PLAN

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

0 4' 8' 16'

240801-FA5.03 FIRE ALARM 3RD 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

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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.

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

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SHEET TITLE
FIRE ALARM 3RD FLOOR PLAN

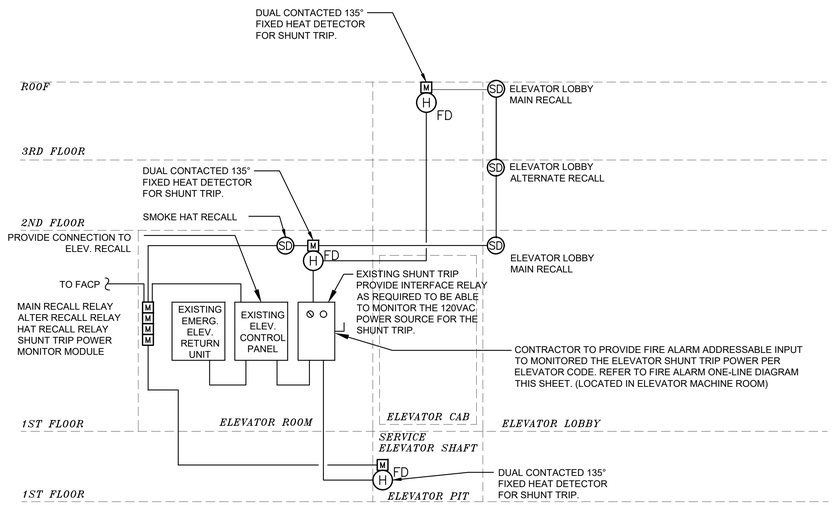
DRAWN	BCY
CHECKED	RWA
TWE JOB #	240801
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.03

King County Housing Authority Yardly Arms Apartments 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	HVAC SHUNT DOWN	ELEVATOR MAIN RECALL	ELECTRICAL ALTERNATE RECALL	ELEVATOR HAT RECALL	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
	SMOKE DETECTORS	X		X	X	X	X	X					X			X
	ELEVATOR LOBBY 1ST SMOKE DETECTOR	X		X	X	X	X	X		X			X			X
	ELEVATOR LOBBY ALL OTHER SMOKE DETECTORS	X		X	X	X	X	X	X				X			X
	ELEVATOR MACHINE ROOM SMOKE	X		X	X	X	X	X		X	X		X			X
	ELEVATOR MACHINE POWER SHUNT LOSS		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
	SPRINKLER WATER FLOW SWITCHES	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
	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

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.

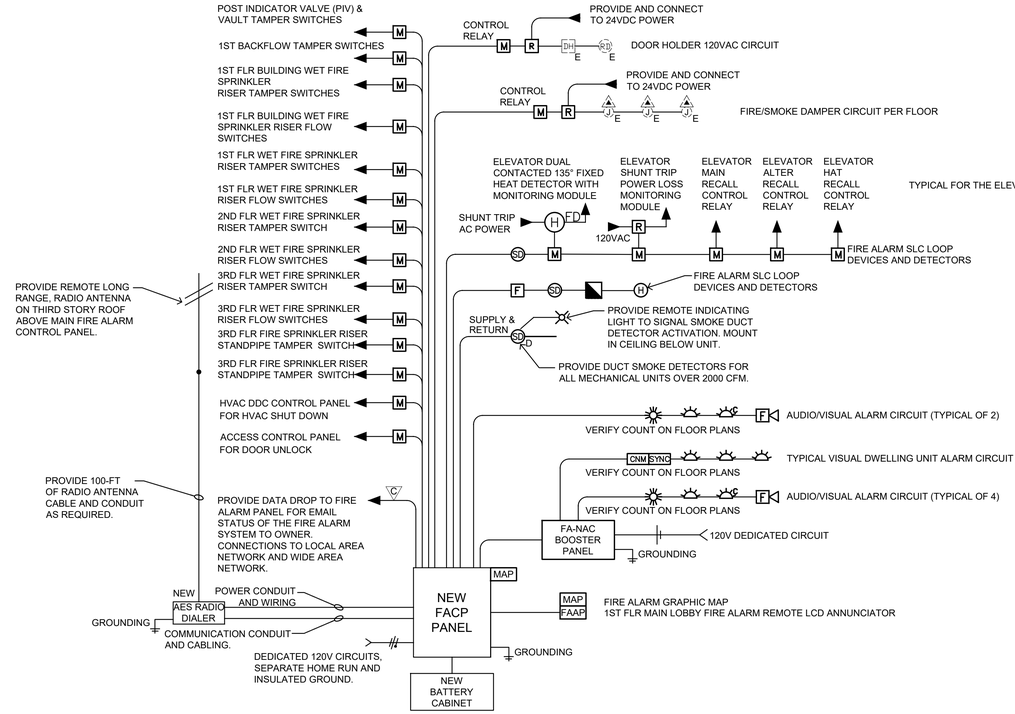


1 FA5.10 ELEVATOR RECALL ONE-LINE DIAGRAM

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, AND AHJ CODES.
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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ROGER W. KALL — STATE OF WASHINGTON — 19798 — REGISTERED PROFESSIONAL ENGINEER

01/08/2025

PROJECT TITLE
KING COUNTY HOUSING AUTHORITY
YARDLEY ARMS APARTMENTS
FIRE ALARM SYSTEM REPLACEMENT

PROJECT ADDRESS
1006 SW. 130TH ST.
BURIEN, WA. 98146

100% BID SET

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

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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TRES WEST ENGINEERS

King County Housing Authority

King County Housing Authority Fire Alarm System Replacement Assessment Report

Yardley Arms Apartments

1006 SW 130th Street

Burien, WA 98146

CD Project No: KI2300365

KCHA Contact Person:

Donald Hatfield PM

January 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 – YARDLEY ARMS APARTMENTS ASSESSMENT REPORT:

EXISTING BUILDING INFORMATION:

The existing Yardley Arms Apartments 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-four (64) dwelling units.
There are sixty-three (63) one (1) bedroom with one (1) bathroom units, and one (1) ADA one (1) bedroom one with (1) bathroom unit 113.

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 Office off the main entry lobby on the first floor. The fire alarm was installed in 1985.
120VAC Power from Panel “not labeled” Circuit Breaker 1 with locked on device.
The UL-listed central station monitoring is provided by Smith Fire System Inc Account # LAC AES 0167 via AES Radio adjacent to main fire alarm panel in photo below:

The existing remote annunciator is located in the main entry office area and will be relocated to the main entry lobby.
The new fire alarm system will replace this with a new remote annunciator.

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 panel photos below.

Second floor central storage room.

Third floor central storage 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, and elevator lobbies), maintenance shop, main office, elevator machine room, and electrical rooms.
2. Stand-a-lone 120VAC smoke/heat detectors are in all dwelling units living rooms and bedrooms. The addressable loop monitor module monitors these smoke detectors per dwelling unit.
3. Addressable loop heat detectors are in the storage and laundry rooms on each floor.
4. 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.
5. There is addressable loop pull stations at every exterior exit and every stairway on each level.
6. Notification and visual are horn/strobe devices in all common areas (corridors, multi-purpose room, offices, laundry rooms, some stairways, and elevator lobbies).
7. Dwelling unit notification and visual are stand-a-lone 120VAC smoke/heat detector horns in living and bedroom areas for local dwelling only and living area fire alarm system horn/strobe for full building alarm events.
8. There are one (1) ADA dwelling unit (113) notification and visual are stand-a-lone 120VAC smoke/heat detector horns in living and bedroom areas for local dwelling only and living area, bedroom, and restroom fire alarm system horn/strobes for full building alarm events.
9. The Main Sprinkler Riser is located in the 1st floor laundry room adjacent to main office. The Sprinkler Riser for 2nd and 3rd floors is located in the central Jan Closet. Each riser has a water flow valve switch and a tamper valve switch. Adjacent to the South main road entry on site is the PIV. The Sprinkler Riser backflow device is located 1st floor laundry room.

EXISTING FIRE ALARM SYSTEM INTERFACE INFORMATION:

The current fire alarm system has the following:

1. There are no door holders in the building.
2. Mechanical Roof Top Unit has an existing fire alarm smoke duct detector. There was no labeling to tell us the location of the existing fire alarm smoke duct detector. 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 1st floor Elevator Machine Room –
   - Primary Elevator Recall to 1st floor.
   - Secondary Elevator Recall to 2nd floor.
   - Hat / Secondary Elevator Recall to 2nd floor turn on HAT symbol inside the elevator cab.
   - Shunt Trip Power monitoring.

- Daul Contact Heat Detector is monitored and provides the disconnect power to the elevator equipment.
- As-built shows that there is an existing Daul Contact Heat Detector and smoke detector at the top of the elevator hoist way

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

REMOTE ANNUNCIATORS:

Type	Location
LCD Display	Main Entry Lobby

INITIATING DEVICES:

Type	Qty	Addressable or Conventional	Alarm or Supervisory	Sensing Technology
Manual Pull Stations	12	Addressable	Alarm	Contact
Smoke Detectors	48	Addressable	Alarm	Photo
Dwelling Zone Modules Heat Detectors	67	Addressable	Supervisory	Contact
Duct Smoke Detectors	1	Addressable Module	Supervisory	Contact
Heat Detectors	4	(2) Addressable (2) Conventional	Alarm	135° F Temp
Gas Detectors	NA			
Carbon Monoxide Detectors	NA			
Waterflow Switches	3	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	1	Addressable Module	Supervisory	Contact
Elevator Dual Contacted Heat Detector	1	Addressable Module	Alarm	Contact

NOTIFICATION APPLIANCES:

Type	Quantity	Description
Audible		
Visual	3	System Sensor
Combination of Audible and Visual	31	System Sensor
Dwelling Strobe	135	System Sensor
Dwelling 120VAC Smoke Detector Audible	134	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	
HVAC Shutdown	1
Fire/Smoke Dampers	2
Door Unlocking	
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.
- Elevator recall has four (4) different functions and will require one 120VAC power monitoring 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.
  4. Elevator Shunt Trip Dual Contact Fixed 135˚ Heat Detector – If the 1st floor Elevator Machine Room Heat Detector activates the alarm event the elevator power will be cut off.
  5. The elevator is required to have the 120VAC shunt trip power to be monitored. If the 120VAC power is off, The SLC loop addressable monitoring module activates a supervisory signal to the building fire alarm system, and central station monitoring.
- If any of the dwelling unit 120VAC smoke detectors activate the supervisory event to all the other 120VAC smoke detectors within that dwelling unit will be notification devices in the 120VAC smoke detectors sound within the unit only. These Each dwelling unit has an SLC loop addressable monitoring module connected to 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 remote annunciator, smoke detector, and horn/strobe in the main office area was in construction of this area. The general contractor will be moving this fire alarm equipment to the main entry lobby and adding smoke and horn/strobe to the new office area.

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.

B. 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**

C. 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.

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

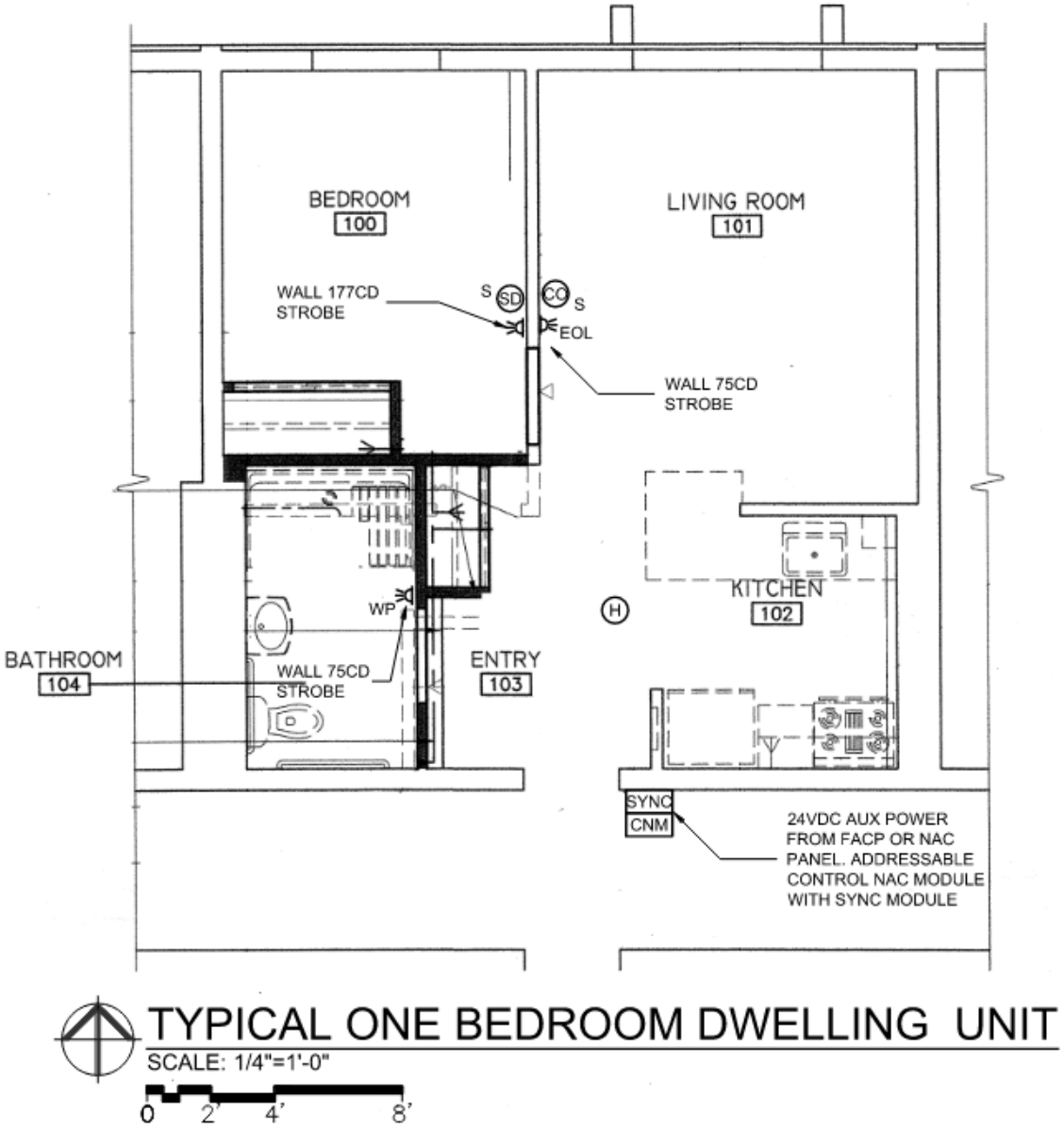
E. The Dwelling Unit Living Room smoke detector should be designed to be a Smoke/CO multi-criteria detector with a low-frequency sounder base. The heat shall be programmed as a full building alarm event. The smoke and CO shall be programmed to operate like dwelling unit tandem multiple-detector alarms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

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 four NAC Panels adjacent to the new fire alarm panel.
3. Mount the 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 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
      - (1)- Addressable Smoke Detector.
      - (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. Yardley Arms Apts has 3 stories and 67 dwelling units. 19 dwelling units on 1st floor, 24 dwelling units on 2nd floor, and 24 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 per floor for Yardley Arms Apts.
   E. Yardley Arms Apts would utilize the main fire alarm panel for two(2) NAC circuits for public areas on 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 Yardley Arms Apartments.



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.
- Elevator recall has four (4) different functions and will require one 120VAC power monitoring 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.
4. Elevator Shunt Trip Dual Contact Fixed 135˚ Heat Detector – If the 1st floor Elevator Machine Room Heat Detector activates the alarm event the elevator power will be cut off.
5. The elevator is required to have the 120VAC shunt trip power to be monitored. If the 120VAC power is off, The SLC loop addressable monitoring module activates a supervisory signal to the building fire alarm system, and central station monitoring.

- 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 YAEDLEY ARMS APARTMENTS

Point ID	Point Name	Point Type	Location
01:001	1st Floor Bells	Notif:Conv:	G1
01:002	1st Floor Bells	Notif:Conv:	G1
01:003	1st Floor Bells	Notif:Conv:	G1
01:004	1st Floor Bells	Notif:Conv:	G1
01:005	1st Floor Bells	Notif:Conv:	G1
01:006	1st Floor Bells	Notif:Conv:	G1
02:001	2nd Floor Bells	Notif:Conv:	G1
02:002	2nd Floor Bells	Notif:Conv:	G1
02:003	2nd Floor Bells	Notif:Conv:	G1
02:004	2nd Floor Bells	Notif:Conv:	G1
02:005	2nd Floor Bells	Notif:Conv:	G1
02:006	2nd Floor Bells	Notif:Conv:	G1
03:001	3rd Floor Bells	Notif:Conv:	G1
03:002	3rd Floor Bells	Notif:Conv:	G1
03:003	3rd Floor Bells	Notif:Conv:	G1
03:004	3rd Floor Bells	Notif:Conv:	G1
03:005	3rd Floor Bells	Notif:Conv:	G1
03:006	3rd Floor Bells	Notif:Conv:	G1
05:002	2nd Floor Tamper	Init:Addr:Switch:Supervisory	Z4
05:003	2nd Floor Lobby	Init:Addr:Detector:Photo	Z14
05:004	Unit 208	Init:Addr:Switch:Detector Input	Z18
05:005	Unit 209	Init:Addr:Switch:Detector Input	Z18
05:006	2nd East Hall	Init:Addr:Detector:Photo	Z17
05:007	Unit 211	Init:Addr:Switch:Detector Input	Z18
05:008	Unit 210	Init:Addr:Switch:Detector Input	Z18
05:009	2nd East Hall	Init:Addr:Detector:Photo	Z17
05:010	Unit 212	Init:Addr:Switch:Detector Input	Z18
05:011	Unit 213	Init:Addr:Switch:Detector Input	Z18
05:012	2nd East Hall	Init:Addr:Detector:Photo	Z17
05:013	Unit 214	Init:Addr:Switch:Detector Input	Z18
05:014	Unit 215	Init:Addr:Switch:Detector Input	Z18
05:015	Unit 216	Init:Addr:Switch:Detector Input	Z18
05:016	Unit 217	Init:Addr:Switch:Detector Input	Z18
05:017	2nd East Hall	Init:Addr:Detector:Photo	Z17
05:018	2nd Floor East Stair	Init:Addr:Switch:Manual Pull	Z17
05:019	Unit 207	Init:Addr:Switch:Detector Input	Z13
05:020	2nd West Hall	Init:Addr:Detector:Photo	Z12
05:021	2nd West Hall	Init:Addr:Detector:Photo	Z12
05:022	Unit 205	Init:Addr:Switch:Detector Input	Z13
05:023	Unir 206	Init:Addr:Switch:Detector Input	Z13
05:024	2nd West Hall	Init:Addr:Detector:Photo	Z12
05:025	Unit 203	Init:Addr:Switch:Detector Input	Z13
05:026	Unit 204	Init:Addr:Switch:Detector Input	Z13
05:027	Unit 201	Init:Addr:Switch:Detector Input	Z16
05:028	2nd West Hall	Init:Addr:Detector:Photo	Z12
05:029	Unit 202	Init:Addr:Switch:Detector Input	Z13
05:030	2nd Floor West Stair	Init:Addr:Switch:Manual Pull	Z12
05:031	Unit 218	Init:Addr:Switch:Detector Input	Z16
05:032	2nd Floor North Hall	Init:Addr:Detector:Photo	Z15
05:033	Unit 220	Init:Addr:Switch:Detector Input	Z16
05:034	Unit 219	Init:Addr:Switch:Detector Input	Z16
05:035	2nd Floor North Hall	Init:Addr:Detector:Photo	Z15
05:036	Unit 222	Init:Addr:Switch:Detector Input	Z16
05:037	Unit 221	Init:Addr:Switch:Detector Input	Z16
05:038	Unit 223	Init:Addr:Switch:Detector Input	Z16
05:039	Unit 224	Init:Addr:Switch:Detector Input	Z16
05:040	2nd Floor North Hall	Init:Addr:Detector:Photo	Z15

POINT LISTING

Point ID	Point Name	Point Type	Location
05:041	2nd Floor North Stai	Init:Addr:Switch:Manual Pull	Z15
05:100	2nd Floor Waterflow	Init:Addr:Switch:Water Flow	Z2
06:001	3rd Floor W/F	Init:Addr:Switch:Water Flow	Z3
06:002	3rd Floor Tamper	Init:Addr:Switch:Supervisory	Z4
06:004	3rd Floor Lobby	Init:Addr:Detector:Photo	Z21
06:005	Unit 308	Init:Addr:Switch:Detector Input	Z25
06:006	Unit 309	Init:Addr:Switch:Detector Input	Z25
06:007	3rd Floor East Hall	Init:Addr:Detector:Photo	Z24
06:008	Unit 311	Init:Addr:Switch:Detector Input	Z25
06:009	Unit 310	Init:Addr:Switch:Detector Input	Z25
06:010	3rd Floor East Hall	Init:Addr:Detector:Photo	Z24
06:011	Unit 312	Init:Addr:Switch:Detector Input	Z25
06:012	Unit 313	Init:Addr:Switch:Detector Input	Z25
06:013	3rd Floor East Hall	Init:Addr:Detector:Photo	Z24
06:014	Unit 314	Init:Addr:Switch:Detector Input	Z25
06:015	Unit 315	Init:Addr:Switch:Detector Input	Z25
06:016	Unit 316	Init:Addr:Switch:Detector Input	Z25
06:017	Unit 317	Init:Addr:Switch:Detector Input	Z25
06:018	3rd Floor East Hall	Init:Addr:Detector:Photo	Z24
06:019	3rd Floor East Stair	Init:Addr:Switch:Manual Pull	Z24
06:020	3rd Floor East Stair	Init:Addr:Detector:Photo	Z24
06:021	Unit 307	Init:Addr:Switch:Detector Input	Z20
06:022	3rd Floor West Hall	Init:Addr:Detector:Photo	Z19
06:023	3rd Floor West Hall	Init:Addr:Detector:Photo	Z19
06:024	Unit 305	Init:Addr:Switch:Detector Input	Z20
06:025	Unit 306	Init:Addr:Switch:Detector Input	Z20
06:026	3rd Floor West Hall	Init:Addr:Detector:Photo	Z19
06:027	Unit 303	Init:Addr:Switch:Detector Input	Z20
06:028	Unit 304	Init:Addr:Switch:Detector Input	Z20
06:029	Unit 301	Init:Addr:Switch:Detector Input	Z20
06:030	3rd Floor West Hall	Init:Addr:Detector:Photo	Z19
06:031	Unit 302	Init:Addr:Switch:Detector Input	Z20
06:032	3rd Floor West Stair	Init:Addr:Switch:Manual Pull	Z19
06:033	3rd Floor West Stair	Init:Addr:Detector:Photo	Z19
06:034	Unit 318	Init:Addr:Switch:Detector Input	Z23
06:035	3rd Floor North Hall	Init:Addr:Detector:Photo	Z22
06:036	Unit 320	Init:Addr:Switch:Detector Input	Z23
06:037	Unit 319	Init:Addr:Switch:Detector Input	Z23
06:038	3rd Floor North Hall	Init:Addr:Detector:Photo	Z22
06:039	Unit 322	Init:Addr:Switch:Detector Input	Z23
06:040	Unit 321	Init:Addr:Switch:Detector Input	Z23
06:041	Unit 323	Init:Addr:Switch:Detector Input	Z23
06:042	Unit 324	Init:Addr:Switch:Detector Input	Z23
06:043	3rd Floor North Hall	Init:Addr:Detector:Photo	Z22
06:044	3rd Floor North Stai	Init:Addr:Switch:Manual Pull	Z22
06:045	3rd Floor North Stai	Init:Addr:Detector:Photo	Z22
06:100	East standpipe	Init:Addr:Switch:Supervisory	Z4
06:101	North Standpipe	Init:Addr:Switch:Supervisory	Z4
07:001	3rd Floor PS	Notif:Conv:	G1
07:002	3rd Floor PS	Notif:Conv:	G1
07:003	3rd Floor PS	Notif:Conv:	G1
07:004	3rd Floor PS	Notif:Conv:	G1
08:001	2nd Floor PS	Notif:Conv:	G1
08:002	2nd Floor PS	Notif:Conv:	G1
08:003	2nd Floor PS	Notif:Conv:	G1
08:004	2nd Floor PS	Notif:Conv:	G1
09:001	1st Floor PS	Notif:Conv:	G1
09:002	1st Floor PS	Notif:Conv:	G1
09:003	1st Floor PS	Notif:Conv:	G1
09:004	1st Floor PS	Notif:Conv:	G1
33:001	Panel	Init:Addr:Detector:Photo	Z8
33:002	Lobby	Init:Addr:Detector:Photo	Z8
33:003	1st Floor West Hall	Init:Addr:Detector:Photo	Z5

POINT LISTING

Point ID	Point Name	Point Type	Location
33:004	Mechanical room Heat	Init:Addr:Switch:Detector Input	Z5
33:005	Tamper	Init:Addr:Switch:Supervisory	Z4
33:006	PIV / Backflow	Init:Addr:Switch:Supervisory	Z4
33:008	1st Floor W/F	Init:Addr:Switch:Water Flow	Z1
33:009	1st Floor West Hall	Init:Addr:Detector:Photo	Z5
33:010	Unit 105	Init:Addr:Switch:Detector Input	Z6
33:011	Unit 106	Init:Addr:Switch:Detector Input	Z6
33:012	1st Floor West Hall	Init:Addr:Detector:Photo	Z5
33:013	Unit 103	Init:Addr:Switch:Detector Input	Z6
33:014	Unit 104	Init:Addr:Switch:Detector Input	Z6
33:015	Unit 101	Init:Addr:Switch:Detector Input	Z6
33:016	1st Floor West Hall	Init:Addr:Detector:Photo	Z5
33:017	Unit 102	Init:Addr:Switch:Detector Input	Z6
33:019	1st Floor West Stair	Init:Addr:Switch:Manual Pull	Z5
33:020	Lobby	Init:Addr:Detector:Photo	Z8
33:022	Front Lobby	Init:Addr:Switch:Manual Pull	Z8
33:023	Lobby	Init:Addr:Detector:Photo	Z7
33:024	Alternate 2nd	Notif:Addr:Relay:	G2
33:025	Primary 1st	Notif:Addr:Relay:	G4
33:027	Elevator Machine rm	Init:Addr:Detector:Photo	Z26
33:028	Unit 108	Init:Addr:Switch:Detector Input	Z11
33:029	Unit 107	Init:Addr:Switch:Detector Input	Z11
33:030	1st Floor East Hall	Init:Addr:Detector:Photo	Z10
33:031	Unit 109	Init:Addr:Switch:Detector Input	Z11
33:032	Unit 110	Init:Addr:Switch:Detector Input	Z11
33:033	1st Floor East Hall	Init:Addr:Detector:Photo	Z10
33:034	Unit 111	Init:Addr:Switch:Detector Input	Z11
33:035	Unit 112	Init:Addr:Switch:Detector Input	Z11
33:036	1st Floor East Hall	Init:Addr:Detector:Photo	Z10
33:037	Unit 114	Init:Addr:Switch:Detector Input	Z11
33:038	Unit 113	Init:Addr:Switch:Detector Input	Z11
33:039	Unit 115	Init:Addr:Switch:Detector Input	Z11
33:040	Unit 116	Init:Addr:Switch:Detector Input	Z11
33:041	1st Floor East Hall	Init:Addr:Detector:Photo	Z10
33:043	1st Flr East Stair	Init:Addr:Switch:Manual Pull	Z10
33:044	Garbage Room Heat	Init:Addr:Switch:Detector Input	Z10
33:045	1st Floor North Hall	Init:Addr:Detector:Photo	Z8
33:046	Unit 117	Init:Addr:Switch:Detector Input	Z9
33:047	1st Floor North Hall	Init:Addr:Detector:Photo	Z8
33:048	Unit 118	Init:Addr:Switch:Detector Input	Z9
33:049	Community Room	Init:Addr:Switch:Manual Pull	Z8
33:050	Community Room	Init:Addr:Detector:Photo	Z8
33:051	Unit 119	Init:Addr:Switch:Detector Input	Z9
33:052	1st Floor North Hall	Init:Addr:Detector:Photo	Z8
33:053	Community Room	Init:Addr:Detector:Photo	Z8
33:054	Community Room	Init:Addr:Switch:Manual Pull	Z8
33:055	1st Floor North Stai	Init:Addr:Switch:Manual Pull	Z8
33:057	Community Room	Init:Addr:Detector:Photo	Z8
33:058	1st Floor North Hall	Init:Addr:Detector:Photo	Z8
33:059	1st Floor East Hall	Init:Addr:Detector:Photo	Z10
33:060	Roof Top Duct	Init:Addr:Switch:Supervisory	Z4
33:061	ELV HAT	Notif:Addr:Relay:	G5
33:062	ELV MECH	Init:Addr:Switch:Detector Input	Z26
33:063	ELV PWR FAIL	Init:Addr:Switch:Supervisory	Z1
34:001	O/S Bell	Notif:Conv:	G1
34:002	aux power	Aux:Conv:Aux:Constant	SYS

INPUT ZONE SUMMARY

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
1	1st Floor Waterflow	1 Count	Low	Medium	150
2	2nd Floor Waterflow	1 Count	Low	Medium	150
3	3rd Floor Waterflow	1 Count	Low	Medium	150
4	Supervisory/Tamper	1 Count	Low	Medium	150
5	1st Floor West Hall	1 Count	Low	Medium	150
6	1st Floor West Units	1 Count	Low	Medium	150
7	1st Floor Elevator	1 Count	Low	Medium	150
8	1st Floor lobby	1 Count	Low	Medium	150
9	1st Floor North Unit	1 Count	Low	Medium	150
10	1st Floor East Hall	1 Count	Low	Medium	150
11	1st Floor East Units	1 Count	Low	Medium	150
12	2nd Floor West Hall	1 Count	Low	Medium	150
13	2nd Floor West Units	1 Count	Low	Medium	150
14	2nd Floor Elevator	1 Count	Low	Medium	150
15	2nd Floor North Hall	1 Count	Low	Medium	150
16	2nd Floor North Unit	1 Count	Low	Medium	150
17	2nd Floor East Hall	1 Count	Low	Medium	150
18	2nd Floor East Units	1 Count	Low	Medium	150
19	3rd Floor West Hall	1 Count	Low	Medium	150
20	3rd Floor West Units	1 Count	Low	Medium	150
21	3rd Floor Elevator	1 Count	Low	Medium	150
22	3rd Floor North Hall	1 Count	Low	Medium	150
23	3rd Floor North Unit	1 Count	Low	Medium	150
24	3rd Floor East Hall	1 Count	Low	Medium	150
25	3rd Floor East Unit	1 Count	Low	Medium	150
26	ELV MECH RM	1 Count	Low	Medium	150

INPUT ZONE POINT LISTING

Zone 1

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

Point(s) in Zone 1

Point ID	Point Name	Point Type
33:008	1st Floor W/F	Init:Addr:Switch:Water Flow
33:063	ELV PWR FAIL	Init:Addr:Switch:Supervisory

Zone 2

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
2	2nd Floor Waterflow	1 Count	Low	Medium	150

Point(s) in Zone 2

Point ID	Point Name	Point Type
05:100	2nd Floor Waterflow	Init:Addr:Switch:Water Flow

Zone 3

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
3	3rd Floor Waterflow	1 Count	Low	Medium	150

Point(s) in Zone 3

Point ID	Point Name	Point Type
06:001	3rd Floor W/F	Init:Addr:Switch:Water Flow

Zone 4

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
4	Supervisory/Tamper	1 Count	Low	Medium	150

Point(s) in Zone 4

Point ID	Point Name	Point Type
05:002	2nd Floor Tamper	Init:Addr:Switch:Supervisory
06:002	3rd Floor Tamper	Init:Addr:Switch:Supervisory
06:100	East standpipe	Init:Addr:Switch:Supervisory
06:101	North Standpipe	Init:Addr:Switch:Supervisory
33:005	Tamper	Init:Addr:Switch:Supervisory
33:006	PIV / Backflow	Init:Addr:Switch:Supervisory
33:060	Roof Top Duct	Init:Addr:Switch:Supervisory

Zone 5

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
5	1st Floor West Hall	1 Count	Low	Medium	150

Point(s) in Zone 5

Point ID	Point Name	Point Type
33:003	1st Floor West Hall	Init:Addr:Detector:Photo
33:004	Mechanical room Heat	Init:Addr:Switch:Detector Input
33:009	1st Floor West Hall	Init:Addr:Detector:Photo
33:012	1st Floor West Hall	Init:Addr:Detector:Photo
33:016	1st Floor West Hall	Init:Addr:Detector:Photo
33:019	1st Floor West Stair	Init:Addr:Switch:Manual Pull

Zone 6

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
6	1st Floor West Units	1 Count	Low	Medium	150

Point(s) in Zone 6

Point ID	Point Name	Point Type
33:010	Unit 105	Init:Addr:Switch:Detector Input
33:011	Unit 106	Init:Addr:Switch:Detector Input
33:013	Unit 103	Init:Addr:Switch:Detector Input
33:014	Unit 104	Init:Addr:Switch:Detector Input
33:015	Unit 101	Init:Addr:Switch:Detector Input
33:017	Unit 102	Init:Addr:Switch:Detector Input

Zone 7

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
7	1st Floor Elevator	1 Count	Low	Medium	150

Point(s) in Zone 7

Point ID	Point Name	Point Type
33:023	Lobby	Init:Addr:Detector:Photo

Zone 8

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
8	1st Floor lobby	1 Count	Low	Medium	150

Point(s) in Zone 8

Point ID	Point Name	Point Type
33:001	Panel	Init:Addr:Detector:Photo
33:002	Lobby	Init:Addr:Detector:Photo
33:020	Lobby	Init:Addr:Detector:Photo
33:022	Front Lobby	Init:Addr:Switch:Manual Pull
33:045	1st Floor North Hall	Init:Addr:Detector:Photo
33:047	1st Floor North Hall	Init:Addr:Detector:Photo
33:049	Community Room	Init:Addr:Switch:Manual Pull
33:050	Community Room	Init:Addr:Detector:Photo
33:052	1st Floor North Hall	Init:Addr:Detector:Photo
33:053	Community Room	Init:Addr:Detector:Photo
33:054	Community Room	Init:Addr:Switch:Manual Pull
33:055	1st Floor North Stai	Init:Addr:Switch:Manual Pull
33:057	Community Room	Init:Addr:Detector:Photo
33:058	1st Floor North Hall	Init:Addr:Detector:Photo

Zone 9

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
9	1st Floor North Unit	1 Count	Low	Medium	150

Point(s) in Zone 9

Point ID	Point Name	Point Type
33:046	Unit 117	Init:Addr:Switch:Detector Input
33:048	Unit 118	Init:Addr:Switch:Detector Input
33:051	Unit 119	Init:Addr:Switch:Detector Input

INPUT ZONE POINT LISTING

Zone 10

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
10	1st Floor East Hall	1 Count	Low	Medium	150

Point(s) in Zone 10

Point ID	Point Name	Point Type
33:030	1st Floor East Hall	Init:Addr:Detector:Photo
33:033	1st Floor East Hall	Init:Addr:Detector:Photo
33:036	1st Floor East Hall	Init:Addr:Detector:Photo
33:041	1st Floor East Hall	Init:Addr:Detector:Photo
33:043	1st Flr East Stair	Init:Addr:Switch:Manual Pull
33:044	Garbage Room Heat	Init:Addr:Switch:Detector Input
33:059	1st Floor East Hall	Init:Addr:Detector:Photo

Zone 11

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
11	1st Floor East Units	1 Count	Low	Medium	150

Point(s) in Zone 11

Point ID	Point Name	Point Type
33:028	Unit 108	Init:Addr:Switch:Detector Input
33:029	Unit 107	Init:Addr:Switch:Detector Input
33:031	Unit 109	Init:Addr:Switch:Detector Input
33:032	Unit 110	Init:Addr:Switch:Detector Input
33:034	Unit 111	Init:Addr:Switch:Detector Input
33:035	Unit 112	Init:Addr:Switch:Detector Input
33:037	Unit 114	Init:Addr:Switch:Detector Input
33:038	Unit 113	Init:Addr:Switch:Detector Input
33:039	Unit 115	Init:Addr:Switch:Detector Input
33:040	Unit 116	Init:Addr:Switch:Detector Input

Zone 12

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
12	2nd Floor West Hall	1 Count	Low	Medium	150

Point(s) in Zone 12

Point ID	Point Name	Point Type
05:020	2nd West Hall	Init:Addr:Detector:Photo
05:021	2nd West Hall	Init:Addr:Detector:Photo
05:024	2nd West Hall	Init:Addr:Detector:Photo
05:028	2nd West Hall	Init:Addr:Detector:Photo
05:030	2nd Floor West Stair	Init:Addr:Switch:Manual Pull

Zone 13

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
13	2nd Floor West Units	1 Count	Low	Medium	150

Point(s) in Zone 13

Point ID	Point Name	Point Type
05:019	Unit 207	Init:Addr:Switch:Detector Input
05:022	Unit 205	Init:Addr:Switch:Detector Input

05:023	Unir 206	Init:Addr:Switch:Detector Input
05:025	Unit 203	Init:Addr:Switch:Detector Input
05:026	Unit 204	Init:Addr:Switch:Detector Input
05:029	Unit 202	Init:Addr:Switch:Detector Input

Zone 14

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
14	2nd Floor Elevator	1 Count	Low	Medium	150

Point(s) in Zone 14

Point ID	Point Name	Point Type
05:003	2nd Floor Lobby	Init:Addr:Detector:Photo

Zone 15

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
15	2nd Floor North Hall	1 Count	Low	Medium	150

Point(s) in Zone 15

Point ID	Point Name	Point Type
05:032	2nd Floor North Hall	Init:Addr:Detector:Photo
05:035	2nd Floor North Hall	Init:Addr:Detector:Photo
05:040	2nd Floor North Hall	Init:Addr:Detector:Photo
05:041	2nd Floor North Stai	Init:Addr:Switch:Manual Pull

Zone 16

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
16	2nd Floor North Unit	1 Count	Low	Medium	150

Point(s) in Zone 16

Point ID	Point Name	Point Type
05:027	Unit 201	Init:Addr:Switch:Detector Input
05:031	Unit 218	Init:Addr:Switch:Detector Input
05:033	Unit 220	Init:Addr:Switch:Detector Input
05:034	Unit 219	Init:Addr:Switch:Detector Input
05:036	Unit 222	Init:Addr:Switch:Detector Input
05:037	Unit 221	Init:Addr:Switch:Detector Input
05:038	Unit 223	Init:Addr:Switch:Detector Input
05:039	Unit 224	Init:Addr:Switch:Detector Input

Zone 17

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
17	2nd Floor East Hall	1 Count	Low	Medium	150

Point(s) in Zone 17

Point ID	Point Name	Point Type
05:006	2nd East Hall	Init:Addr:Detector:Photo
05:009	2nd East Hall	Init:Addr:Detector:Photo
05:012	2nd East Hall	Init:Addr:Detector:Photo
05:017	2nd East Hall	Init:Addr:Detector:Photo
05:018	2nd Floor East Stair	Init:Addr:Switch:Manual Pull

INPUT ZONE POINT LISTING

Zone 18

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
18	2nd Floor East Units	1 Count	Low	Medium	150

Point(s) in Zone 18

Point ID	Point Name	Point Type
05:004	Unit 208	Init:Addr:Switch:Detector Input
05:005	Unit 209	Init:Addr:Switch:Detector Input
05:007	Unit 211	Init:Addr:Switch:Detector Input
05:008	Unit 210	Init:Addr:Switch:Detector Input
05:010	Unit 212	Init:Addr:Switch:Detector Input
05:011	Unit 213	Init:Addr:Switch:Detector Input
05:013	Unit 214	Init:Addr:Switch:Detector Input
05:014	Unit 215	Init:Addr:Switch:Detector Input
05:015	Unit 216	Init:Addr:Switch:Detector Input
05:016	Unit 217	Init:Addr:Switch:Detector Input

Zone 19

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
19	3rd Floor West Hall	1 Count	Low	Medium	150

Point(s) in Zone 19

Point ID	Point Name	Point Type
06:022	3rd Floor West Hall	Init:Addr:Detector:Photo
06:023	3rd Floor West Hall	Init:Addr:Detector:Photo
06:026	3rd Floor West Hall	Init:Addr:Detector:Photo
06:030	3rd Floor West Hall	Init:Addr:Detector:Photo
06:032	3rd Floor West Stair	Init:Addr:Switch:Manual Pull
06:033	3rd Floor West Stair	Init:Addr:Detector:Photo

Zone 20

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
20	3rd Floor West Units	1 Count	Low	Medium	150

Point(s) in Zone 20

Point ID	Point Name	Point Type
06:021	Unit 307	Init:Addr:Switch:Detector Input
06:024	Unit 305	Init:Addr:Switch:Detector Input
06:025	Unit 306	Init:Addr:Switch:Detector Input
06:027	Unit 303	Init:Addr:Switch:Detector Input
06:028	Unit 304	Init:Addr:Switch:Detector Input
06:029	Unit 301	Init:Addr:Switch:Detector Input
06:031	Unit 302	Init:Addr:Switch:Detector Input

Zone 21

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
21	3rd Floor Elevator	1 Count	Low	Medium	150

Point(s) in Zone 21

Point ID	Point Name	Point Type
06:004	3rd Floor Lobby	Init:Addr:Detector:Photo

INPUT ZONE POINT LISTING

Zone 22

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
22	3rd Floor North Hall	1 Count	Low	Medium	150

Point(s) in Zone 22

Point ID	Point Name	Point Type
06:035	3rd Floor North Hall	Init:Addr:Detector:Photo
06:038	3rd Floor North Hall	Init:Addr:Detector:Photo
06:043	3rd Floor North Hall	Init:Addr:Detector:Photo
06:044	3rd Floor North Stai	Init:Addr:Switch:Manual Pull
06:045	3rd Floor North Stai	Init:Addr:Detector:Photo

Zone 23

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
23	3rd Floor North Unit	1 Count	Low	Medium	150

Point(s) in Zone 23

Point ID	Point Name	Point Type
06:034	Unit 318	Init:Addr:Switch:Detector Input
06:036	Unit 320	Init:Addr:Switch:Detector Input
06:037	Unit 319	Init:Addr:Switch:Detector Input
06:039	Unit 322	Init:Addr:Switch:Detector Input
06:040	Unit 321	Init:Addr:Switch:Detector Input
06:041	Unit 323	Init:Addr:Switch:Detector Input
06:042	Unit 324	Init:Addr:Switch:Detector Input

Zone 24

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
24	3rd Floor East Hall	1 Count	Low	Medium	150

Point(s) in Zone 24

Point ID	Point Name	Point Type
06:007	3rd Floor East Hall	Init:Addr:Detector:Photo
06:010	3rd Floor East Hall	Init:Addr:Detector:Photo
06:013	3rd Floor East Hall	Init:Addr:Detector:Photo
06:018	3rd Floor East Hall	Init:Addr:Detector:Photo
06:019	3rd Floor East Stair	Init:Addr:Switch:Manual Pull
06:020	3rd Floor East Stair	Init:Addr:Detector:Photo

Zone 25

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
25	3rd Floor East Unit	1 Count	Low	Medium	150

Point(s) in Zone 25

Point ID	Point Name	Point Type
06:005	Unit 308	Init:Addr:Switch:Detector Input
06:006	Unit 309	Init:Addr:Switch:Detector Input
06:008	Unit 311	Init:Addr:Switch:Detector Input
06:009	Unit 310	Init:Addr:Switch:Detector Input
06:011	Unit 312	Init:Addr:Switch:Detector Input
06:012	Unit 313	Init:Addr:Switch:Detector Input
06:014	Unit 314	Init:Addr:Switch:Detector Input
06:015	Unit 315	Init:Addr:Switch:Detector Input

INPUT ZONE POINT LISTING

06:016	Unit 316	Init:Addr:Switch:Detector Input
06:017	Unit 317	Init:Addr:Switch:Detector Input

Zone 26

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
26	ELV MECH RM	1 Count	Low	Medium	150

Point(s) in Zone 26

Point ID	Point Name	Point Type
33:027	Elevator Machine rm	Init:Addr:Detector:Photo
33:062	ELV MECH	Init:Addr:Switch:Detector Input

OUTPUT GROUP SUMMARY

Output Group Configuration

Group ID	Name	Latching
1	Main	Latching
2	Water Flow	Latching
3	Alternate 2	Latching
4	Primary1st	Latching
5	HAT	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	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
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
Main	Latching	Silenceable	Zone Control

Point(s) in Group 1

Point ID	Point Name	Point Type
01:001	1st Floor Bells	Notif:Conv:
01:002	1st Floor Bells	Notif:Conv:
01:003	1st Floor Bells	Notif:Conv:
01:004	1st Floor Bells	Notif:Conv:
01:005	1st Floor Bells	Notif:Conv:
01:006	1st Floor Bells	Notif:Conv:
02:001	2nd Floor Bells	Notif:Conv:
02:002	2nd Floor Bells	Notif:Conv:
02:003	2nd Floor Bells	Notif:Conv:
02:004	2nd Floor Bells	Notif:Conv:
02:005	2nd Floor Bells	Notif:Conv:
02:006	2nd Floor Bells	Notif:Conv:
03:001	3rd Floor Bells	Notif:Conv:
03:002	3rd Floor Bells	Notif:Conv:
03:003	3rd Floor Bells	Notif:Conv:
03:004	3rd Floor Bells	Notif:Conv:
03:005	3rd Floor Bells	Notif:Conv:
03:006	3rd Floor Bells	Notif:Conv:
07:001	3rd Floor PS	Notif:Conv:
07:002	3rd Floor PS	Notif:Conv:
07:003	3rd Floor PS	Notif:Conv:
07:004	3rd Floor PS	Notif:Conv:
08:001	2nd Floor PS	Notif:Conv:
08:002	2nd Floor PS	Notif:Conv:
08:003	2nd Floor PS	Notif:Conv:
08:004	2nd Floor PS	Notif:Conv:
09:001	1st Floor PS	Notif:Conv:
09:002	1st Floor PS	Notif:Conv:
09:003	1st Floor PS	Notif:Conv:
09:004	1st Floor PS	Notif:Conv:
34:001	O/S Bell	Notif:Conv:

Group 2

Name	Latching	Silencing	Control
Water Flow	Latching	Non-Silenceable	Zone Control

Point(s) in Group 2

Point ID	Point Name	Point Type
33:024	Alternate 2nd	Notif:Addr:Relay:

Group 3

Name	Latching	Silencing	Control
Alternate 2	Latching	Non-Silenceable	Zone Control

Point(s) in Group 3

Point ID	Point Name	Point Type

Group 4

Name	Latching	Silencing	Control
Primary1st	Latching	Non-Silenceable	Zone Control

Point(s) in Group 4

Point ID	Point Name	Point Type
33:025	Primary 1st	Notif:Addr:Relay:

Group 5

OUTPUT GROUP POINT LISTING

Name	Latching	Silencing	Control
HAT	Non-Latching	Non-Silenceable	Zone Control

Point(s) in Group 5

Point ID	Point Name	Point Type
33:061	ELV HAT	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

Group 250

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

Point(s) in Group 250

Point ID	Point Name	Point Type

SYSTEM POINT LISTING

Point ID	Point Name	Point Type
34:002	aux power	Aux:Conv:Aux:Constant

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	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	Gentex							2	CST	2	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	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	Gentex							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 3 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	Gentex							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 4 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
249	CST			249	CST			249	CST	249	CST				

Zone 5 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

MAPPING REPORT

Zone 6 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 7 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
3	CST							3	CST	3	CST				
250	CST							250	CST	250	CST				

Zone 8 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 9 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 10 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 11 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 12 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 13 Mapping

MAPPING REPORT

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 14 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
4	CST							4	CST	4	CST				
250	CST							250	CST	250	CST				

Zone 15 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 16 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 17 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 18 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 19 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 20 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				

1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 21 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
1	Gentex			249	CST			T1	TD	T1	TD				
4	CST							1	Gentex	1	Gentex				
250	CST							2	CST	2	CST				
								4	CST	4	CST				
								250	CST	250	CST				

Zone 22 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 23 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 24 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 25 Mapping

Det. Alrm		Trouble		Super.		Pre-Alrm		Water Fl.		Man. Pull		Zn Aux 1		Zn Aux 2	
Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.	Grp.	Pat.
T1	TD			249	CST			T1	TD	T1	TD				
1	Gentex							1	Gentex	1	Gentex				
2	CST							2	CST	2	CST				
250	CST							250	CST	250	CST				

Zone 26 Mapping

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