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 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

01/08/2025

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

PROJECT ADDRESS
12039 ROSEBERG AVE S
BURIEN, WA. 98168

100% BID SET

REVISION	DATE
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM LEGEND AND GENERAL REQUIREMENTS

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240806
CLIENT JOB #	KI2300365
SHEET SCALE	NTS

SHEET NUMBER
FA0.01

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LEGEND AND GEN...
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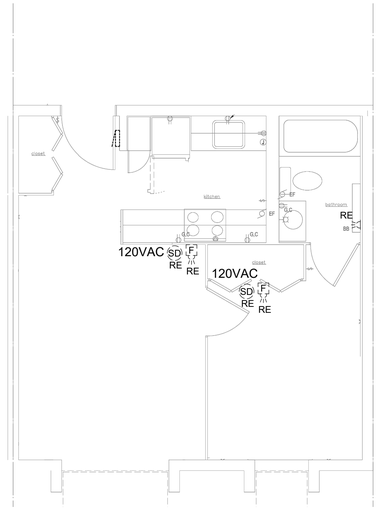

DEMO TYPICAL ONE BEDROOM DWELLING UNIT

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

0 2' 4' 8'

PLAN NOTES

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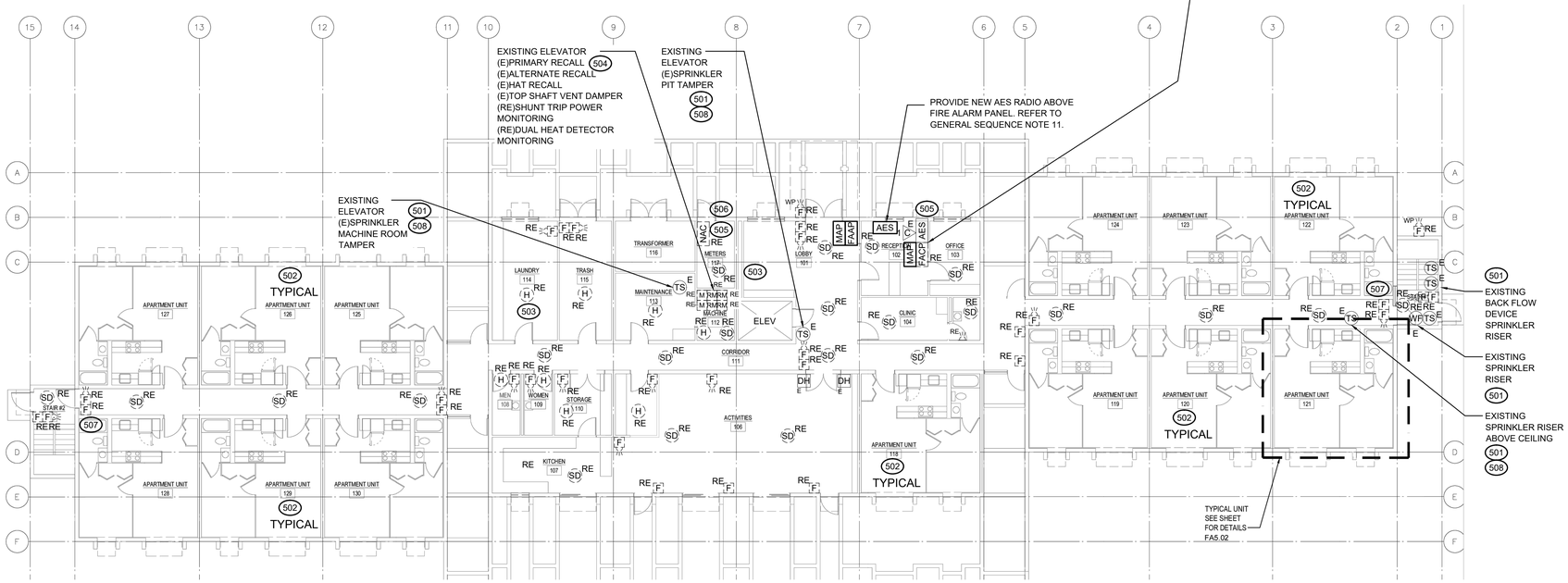
507	REMOVE EXISTING FIRE ALARM PULL STATION. PROVIDE A WHITE COVER PLATE. REMOVE WIRING BACK TO SOURCE.
508	PROVIDE 3/8" WHITE LETTERS ON RED 1"X3" MINIMUM PLATE. INSTALL ON THE GRID NEXT TO THE CEILING TILE TO GAIN ACCESS TO THE SPRINKLER TAMPER. MOUNT IN CLEAR SIGHT OF THE FLOOR. COORDINATE LOCATION OF THE LABEL WITH KCHA PRIOR TO INSTALLATION.

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	PROVIDE ELEVATOR CONTROL RELAYS AND MONITOR MODULES AS REQUIRED PER AHJ CODES. PROVIDE EQUIPMENT, DEVICES, RELAYS, I/O MODULES, J-BOXES, CONDUIT, WIRING, AND CONNECTIONS FOR A COMPLETE OPERATION SYSTEM FOR ELEVATOR. REFER TO ELEVATOR DIAGRAM ON SHEET FA5.10.
505	PROVIDE GUTTER TERMINAL CABINET ABOVE EXISTING FIRE ALARM PANEL TO DO THE CUT OVER FROM EXISTING FIRE ALARM PANEL TO NEW FIRE ALARM PANEL. PROVIDE TEMPORARY EXTEND POWER WIRING AND FIRE ALARM CABLING TO EXISTING FIRE ALARM PANEL AND NAC PANELS ON FLOOR.
506	ELECTRICAL CONTRACTOR TO TRACE OUT 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.

EXISTING FIRE ALARM AES RADIO DEMO AES RADIO AFTER NEW FIRE ALARM SYSTEM IS INSTALLED AND TESTED. REFER TO GENERAL SEQUENCE NOTE 17.



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.
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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01/08/2025

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

PROJECT ADDRESS
12039 ROSEBERG AVE S
BURIEN, WA. 98168

100% BID SET

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

SHEET TITLE
FIRE ALARM 1ST FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240806
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.01

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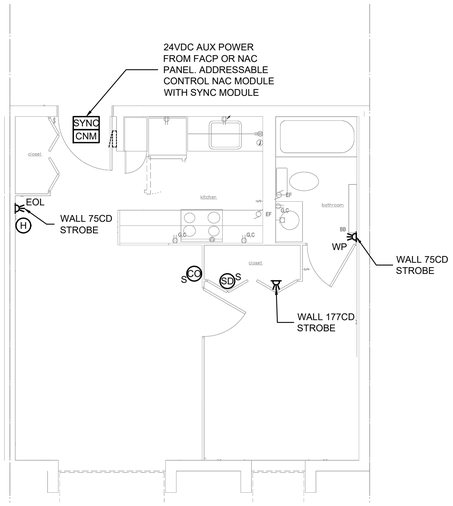
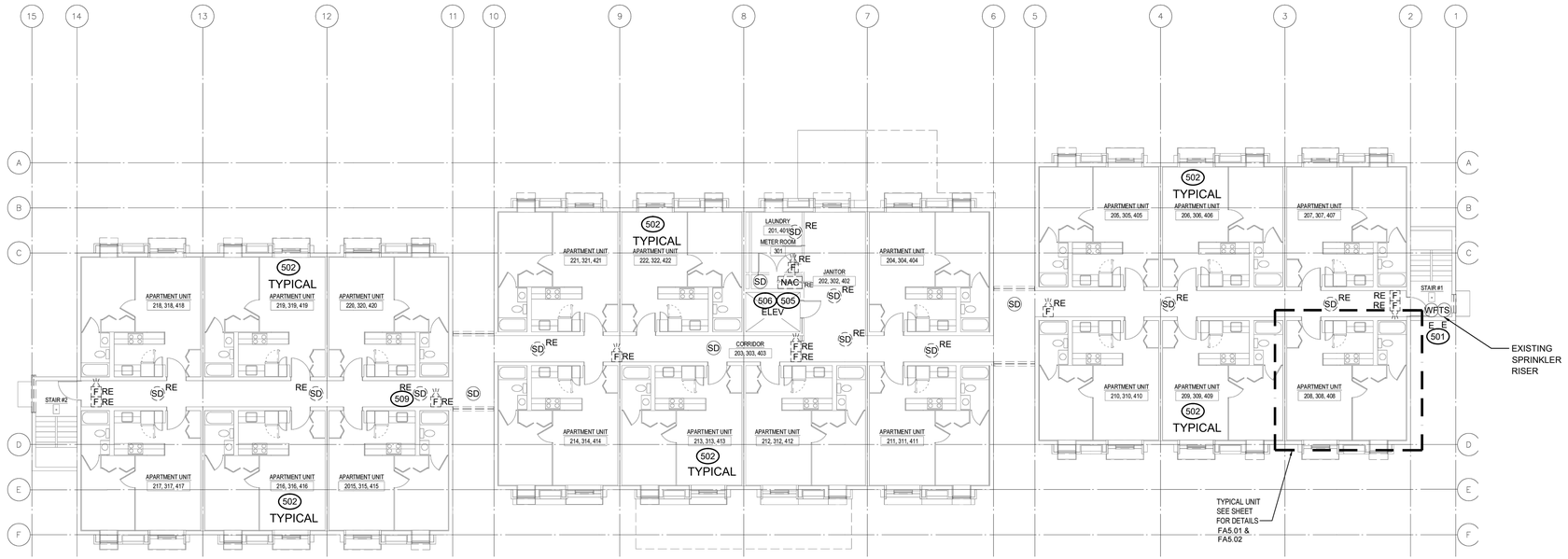


TYPICAL ONE BEDROOM DWELLING UNIT

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

0 2' 4' 8'



FIRE ALARM 2ND FLOOR PLAN

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

0 4' 8' 16'

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.

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

506 ELECTRICAL CONTRACTOR TO TRACE OUT 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.

509 REMOVE EXISTING FIRE ALARM SMOKE DETECTOR. PLACE NEW FIRE ALARM SMOKE DETECTOR IN A NEW LOCATION AS SHOWN.

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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REPLACEMENT

PROJECT ADDRESS
12039 ROSEBERG AVE S
BURIEN, WA. 98168

100% BID SET

REVISION	DATE
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM 2ND FLOOR PLAN

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240806
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

SHEET NUMBER
FA5.02

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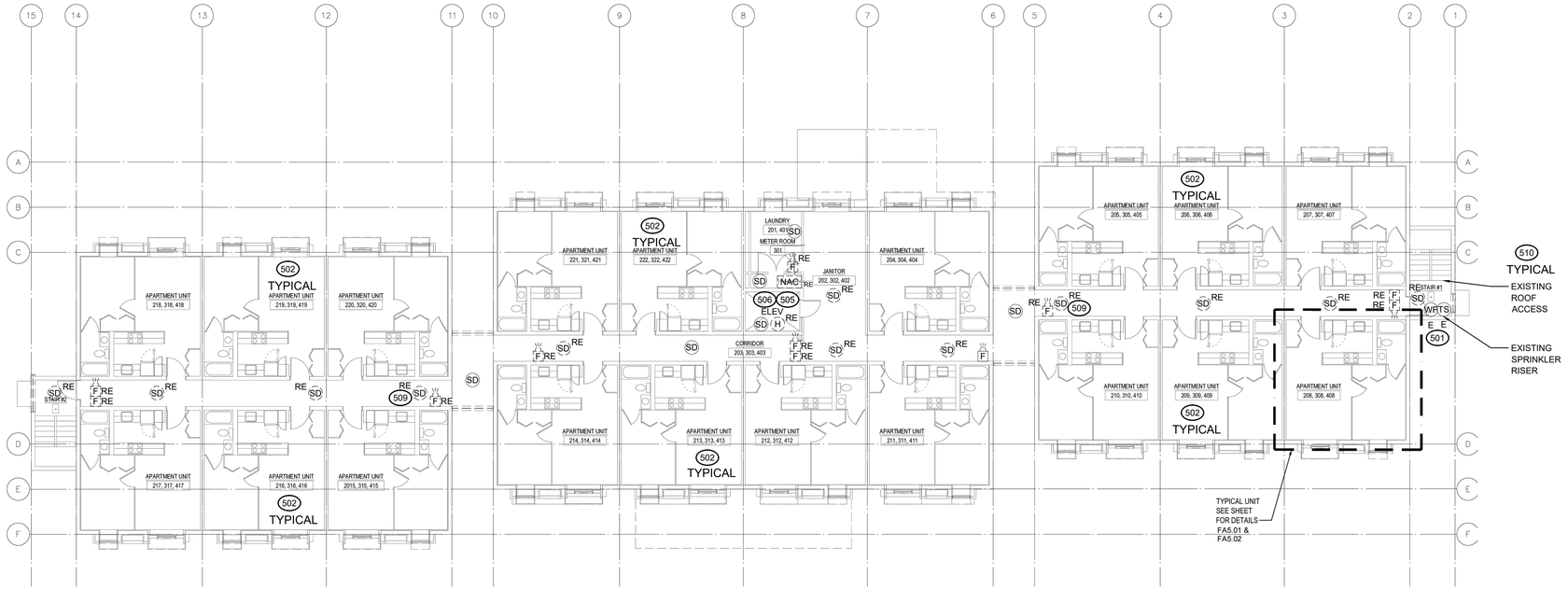
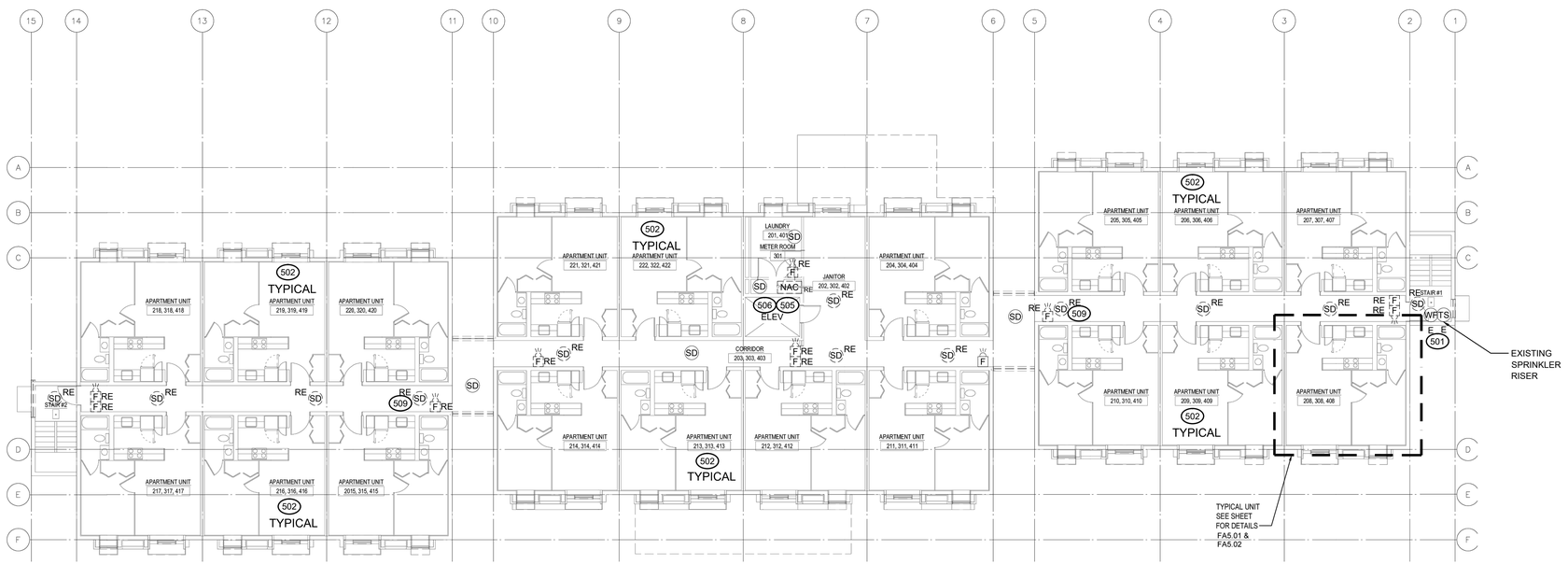
1/8/2025 11:02236



FIRE ALARM 4TH FLOOR PLAN

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

0 4' 8' 16'



FIRE ALARM 3RD FLOOR PLAN

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

0 4' 8' 16'

240808-FA5.03 FIRE ALARM 3RD&4TH FLOORS.dwg
1/6/2025 11:10:22 AM

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.

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.
505	PROVIDE GUTTER TERMINAL CABINET ABOVE EXISTING FIRE ALARM PANEL TO DO THE CUT OVER FROM EXISTING FIRE ALARM PANEL TO NEW FIRE ALARM PANEL. PROVIDE TEMPORARY EXTEND POWER WIRING AND FIRE ALARM CABLING TO EXISTING FIRE ALARM PANEL AND NAC PANELS ON FLOOR.
506	ELECTRICAL CONTRACTOR TO TRACE OUT 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.
509	REMOVE EXISTING FIRE ALARM SMOKE DETECTOR. PLACE NEW FIRE ALARM SMOKE DETECTOR IN A NEW LOCATION AS SHOWN.
510	REFER TO FIRE ALARM ASSESSMENT REPORT EXISTING FIRE ALARM SYSTEM INTERFACE INFORMATION SECTION #3 DUCT DETECTOR FOR ADDITIONAL INFORMATION.

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ROGER W. K. ALT
STATE OF WASHINGTON
21798
REGISTERED PROFESSIONAL ENGINEER

01/08/2025

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

PROJECT ADDRESS
12039 ROSEBERG AVE S
BURIEN, WA. 98168

100% BID SET

REVISION	DATE
BID SET	01/08/2025
ISSUED	DATE

SHEET TITLE
FIRE ALARM 3RD & 4TH FLOOR PLANS

DRAWN	BCY
CHECKED	RWA
TWE JOB #	240806
CLIENT JOB #	KI2300365
SHEET SCALE	SEE SHEET

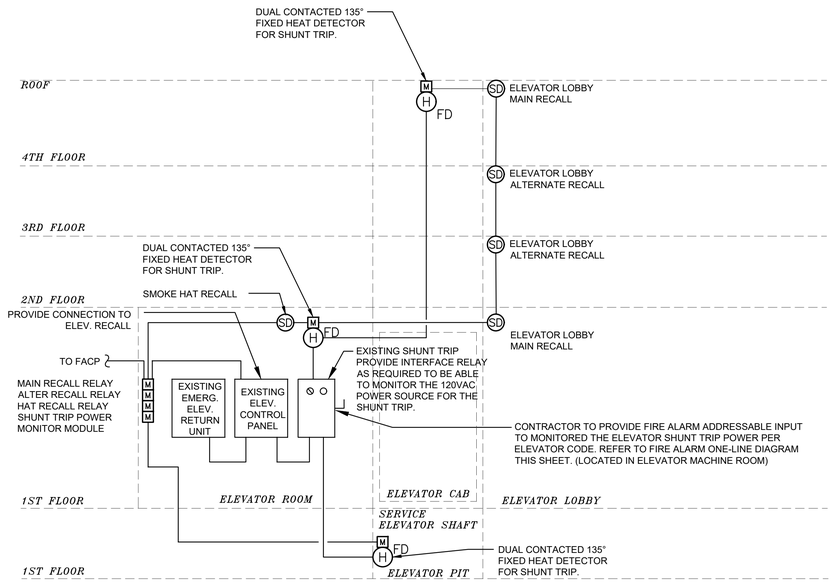
SHEET NUMBER
FA5.03

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

System Inputs	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	ELEVATOR TOP OF SHAFT VENT 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
FIRE ALARM PANEL	X		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		X
ELEVATOR LOBBY ALL OTHER SMOKE DETECTORS	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
ELEVATOR MACHINE POWER SHUNT LOSS		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
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.

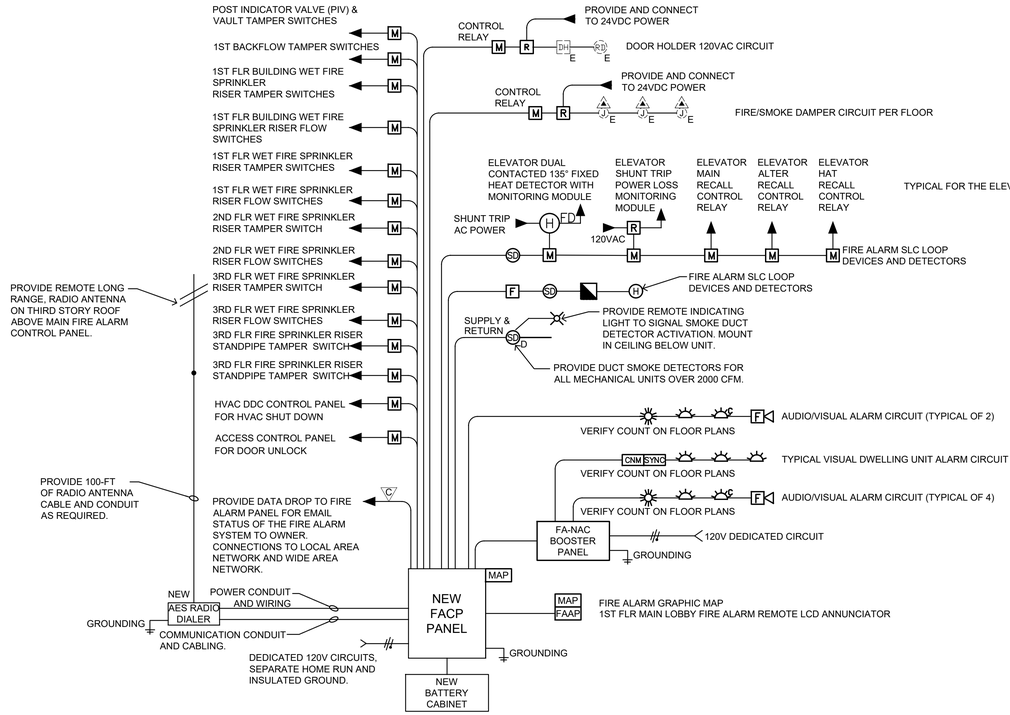


1 FA5.10 ELEVATOR RECALL ONE-LINE DIAGRAM

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

GENERAL REQUIREMENT NOTES

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

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STATE OF WASHINGTON ROGER W. KALL 19798 REGISTERED PROFESSIONAL ENGINEER

01/08/2025

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

PROJECT ADDRESS
12039 ROSEBERG AVE S
BURIEN, WA. 98168

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 #	240806
CLIENT JOB #	KI2300365
SHEET SCALE	NTS

SHEET NUMBER
FA5.10

240806-FA5.10 FIRE ALARM ONE-LINE DIAGRAMS.dwg
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TRES WEST ENGINEERS, INC.
A Certified Diverse Firm - ● MWBE ● DBE ● SCS

King County Housing Authority Fire Alarm System Replacement Assessment Report

Boulevard Manor

12039 Roseberg Ave S

Burien, WA 98168

CD Project No: KI2300365

KCHA Contact Person:

Donald Hatfield PM

January 08, 2025

Prepared by:

Consultant Team

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FIRE ALARM SYSTEM – BOULEVARD MANOR ASSESSMENT REPORT:

EXISTING BUILDING INFORMATION:

The existing Boulevard Manors building is a four-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 seventy (70) one (1) bedroom with one (1) bathroom units.

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:

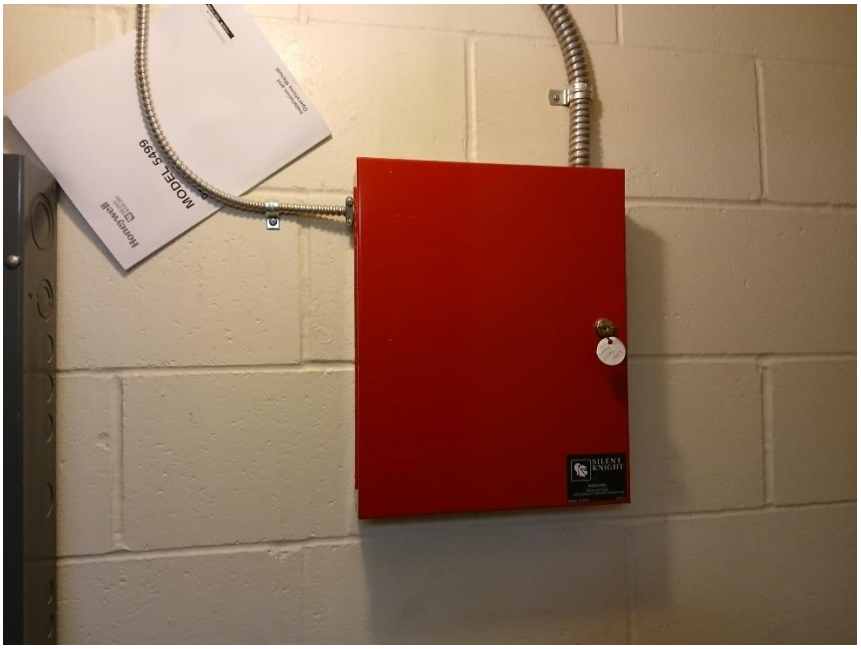
The current fire alarm system main control panel is Silent Knight SK5820XL located in the Office off the main entry lobby on the first floor. The fire alarm was installed in 1985 and replaced in 2002.
120VAC Power from Panel House #1 Circuit Breaker 5 with locked on device.
The UL-listed central station monitoring is provided by Smith Fire System Inc Account # LAC AES 86-2815 via AES Radio adjacent to main fire alarm panel in photo below:

No existing remote annunciator.
The new fire alarm system will add a new remote annunciator.

The fire alarm NAC panels are located on the first floor, exterior electrical room. See the fire alarm panel photos below:

Second floor central janitor room.

Third floor central janitor room.



Fourth floor central 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, and elevator lobbies), clinic, activities room, kitchen, laundry rooms, 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, trash room, meter room, and maintenance room 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, kitchen, trash room, 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 no ADA dwelling unit that are have special provision for ADA. Each existing dwelling unit has fire alarm 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 supervisory alarm events.
9. The Main Sprinkler Riser is located in the 1st floor west stairs. The Sprinkler Riser for 2nd, 3rd, and 4th floors is located in west 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.

EXISTING FIRE ALARM SYSTEM INTERFACE INFORMATION:

The current fire alarm system has the following:

1. There are door holders in the activities room.
2. Existing Mechanical Roof Top Unit are split system that service in area and floor. There is no fire alarm smoke duct detector in this existing building.
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.
   - Shaft Vent Damper.
   - 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

MAIN FIRE ALARM PANEL:

Type	Location
LCD Display/Control	Main Office

REMOTE ANNUNCIATORS:

Type	Location
LCD Display	None

INITIATING DEVICES:

Type	Qty	Addressable or Conventional	Alarm or Supervisory	Sensing Technology
Manual Pull Stations	21	Addressable	Alarm	Contact
Smoke Detectors	62	Addressable	Alarm	Photo
Dwelling Zone Modules 120V Smoke/Heat Detectors	70	Addressable	Supervisory	Contact
Dwelling120V Smoke/Heat Detectors	140	Conventional		Contact
Duct Smoke Detectors	0	Addressable Module	Supervisory	Contact
Heat Detectors	9	(6) Addressable (3) Conventional	Alarm	135° F Temp
Gas Detectors	NA			
Carbon Monoxide Detectors	NA			
Waterflow Switches	4	Addressable Module	Alarm	Contact
Tamper Switches	8	Addressable Module	Supervisory	Contact
Back Flow Tamper Switches	1	Addressable Module	Supervisory	Contact
PIV	0	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	Gentex
Combination of Audible and Visual	37	Gentex
Dwelling Strobe	70	Gentex
Dwelling 120VAC Smoke/Heat Detector Audible	140	Gentex
Sprinkler Exterior Bell		Water Gong
Fire Alarm Exterior Horn/Strobe	2	Gentex

SYSTEM CONTROL FUNCTIONS:

Type	Quantity
Hold-Open Door Releasing Devices	1
HVAC Shutdown	1
Fire/Smoke Dampers	
Door Unlocking	
Elevator Recall	3
Elevator Shunt Trip	1
Elevator Top of Shaft Vent Damper	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.
- Elevator recall has five (5) 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. Elevator Shaft Vent Damper - If the 1st, 2nd, 3rd, 4th floor elevator lobby and/or machine room smoke detector activates the alarm event.
6. 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 a supervisory alarm signal to the building fire alarm system and central station monitoring.
- If any of the sprinkler riser tamper switches 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:

- Some of the existing dwelling unit bedroom 120VAC smoke/heat detectors are mounted to close to the ceiling. NFPA-72 states no closer than 4-inches from the ceiling. Reason why is the heat builds up at the ceiling and pushes the smoke down. So, the smoke detector would never go into alarm.
- All the existing fire alarm NAC panels did not have the 120VAC power panel and circuit breaker labeled inside the panel door. This is required by Fire code.
- The 1st floor activities room kitchen has an existing smoke detector that will be replace with a new heat detector.
- The 1st floor corridors on the west and east have fire alarm pull station and the exit door goes into the 1st floor stair that has another fire alarm pull station. These two fire alarm pull stations not needed. Recommend not replacing these in the fire alarm design.
- There are three sprinkler tampers above the ceiling that do not have labels in the ceiling access point. These three sprinkler tampers should have labeled.

FIRE ALARM SYSTEM LIFE EXPECTANCY:

- NFPA-72 requirement to replace existing fire alarm detectors, devices, and equipment as the following:
  All residential Spot Smoke & CO detectors – 10 years
  Fire Alarm Batteries – 5 years
  System Smoke Detector – 20 years.
- Fire Marshals (AHJ) currently require a detectors and devices sensitivity test reports. All current addressable fire alarm systems have the capability to print out this report.
- Local Fire Department currently does not require this report, although in the future, the new Potter Signal Fire Alarm System will be able to produce this report by email or text message.

- Fire Alarm System Equipment does not define any fixed lifetime for the components of a Fire Alarm System. Does not restrict the technology that is used and different technical solutions may produce a different life expectancy. The expectation is that the equipment manufacturer will be the best guide to an expected lifetime for a particular product. Manufacturers are also likely to have an obsolescence policy regarding spares and support for maintenance.

BUILDING LIFE SAFETY:

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

FIRE ALARM CODE REQUIREMENTS:

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

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

- Audible/Visual Notification shall be installed in all tenant units in accordance with sections 907.5.2.1 and 907.5.2.3.3 of the International Building Code (IBC) and section 18.5.5.8 of NFPA 72.
- Provide visual coverage in the bedroom, living room, and weather-proof visual for bathroom of all dwelling units.
- The Fire Alarm System shall also interface with other systems such as Smoke and Fire/Smoke Dampers, Duct Smoke Detectors, H.V.A.C. Systems, Magnetic Door Holders, Magnetic Door Releases, Cooking Hood Fire Suppression Systems, Fire Protection Sprinkler Systems, and Elevators where applicable.
- Provide Central station monitoring via AES Radio mesh network.
- Plain Old Telephone Service (POTS) lines are not permitted.
- Burin Fire Code (IFC) – BMC 15.20 has amendments to the 2021 International Fire Code (IFC) – WAC 51-54.

ELEVATOR SHAKE ALERT FIRE ALARM INTERFACE:

A new interface for the elevators:

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

RECOMMENDATIONS:

TWE would recommend the following:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11. Provide label for each existing sprinkler tamper above the ceiling on the ceiling access point.

12. Provide label for all the existing and new fire alarm NAC panels with120VAC power panel and circuit breaker labeled inside the panel door.

13. Replace 1st floor activities room kitchen has an existing smoke detector that will be replace with a new heat detector.

14. Remove the west and east 1st floor corridors fire alarm pull station from the fire alarm design.

FIRE ALARM SYSTEM REPLACEMENT:

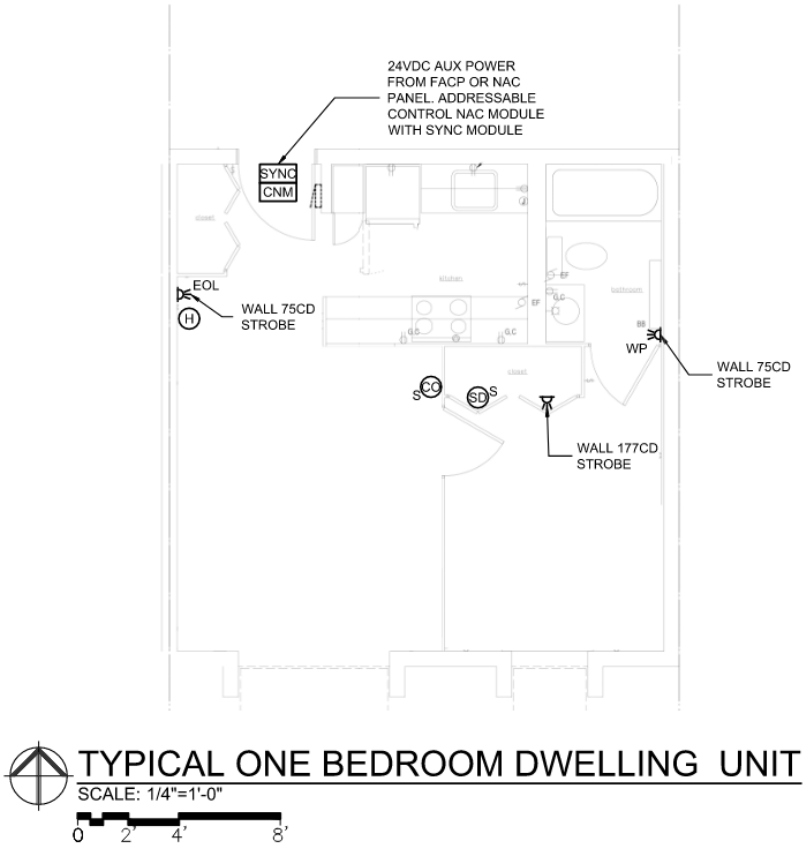
The following items will require replacement:

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 or above the existing NAC Panel in the storage room 1st, 2nd, 3rd, and 4th floors.
5. Provide new conduit and 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 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. Boulevard Manor has 4 stories and 70 dwelling units. 13 dwelling units on 1st floor, 19 dwelling units on 2nd floor, 19 dwelling units on 3rd floor, and 19 dwelling units on the 4th 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 Boulevard Manor.
E. Boulevard Manor would utilize the main fire alarm panel for one(1) NAC circuit for a trigger to the new 1st floor NAC panel for public areas on 1st floor horn/strobes, one(1) NAC circuit for 2nd floor horn/strobes, one(1) NAC circuit for 3rd floor horn/strobes, and one(1) NAC circuit for 4th floor horn/strobes.

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



REVISED FIRE ALARM SYSTEM OPERATION:

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

- If any of the common area smoke detectors, heat detectors, manual pull stations, or waterflow devices will activate alarm events for all notification and visual devices in the entire building, to the building fire alarm system, and central station monitoring. Also, all HVAC Units shut down.
- Elevator recall has five (5) 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. Elevator Shaft Vent Damper - If the 1st, 2nd, 3rd, 4th floor elevator lobby and/or machine room smoke detector activates the alarm event.
  6. 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 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 BOULEVARD MANOR

Point ID	Point Name	Point Type	Location
01:001	3RD FL EAST STAIR	Init:Addr:Detector:Photo	Z36
01:002	3RD FL EAST STAIR]	Init:Addr:Switch:Water Flow	Z37
01:003	3RD FL TAMPER	Init:Addr:Switch:Tamper	Z38
01:004	3RD FLOOR EAST	Init:Addr:Switch:Manual Pull	Z39
01:005	UNIT 308	Init:Addr:Switch:Supervisory	Z40
01:006	UNIT 307	Init:Addr:Switch:Supervisory	Z41
01:007	OUTSIDE UNIT 307	Init:Addr:Detector:Photo	Z39
01:008	UNIT 306	Init:Addr:Switch:Supervisory	Z41
01:009	UNIT 309	Init:Addr:Switch:Supervisory	Z40
01:010	OUTSIDE RM 309	Init:Addr:Detector:Photo	Z39
01:011	UNIT 310	Init:Addr:Switch:Supervisory	Z40
01:012	UNIT 305	Init:Addr:Switch:Supervisory	Z41
01:013	OUTSIDE RM 305	Init:Addr:Detector:Photo	Z39
01:014	UNIT 304	Init:Addr:Switch:Supervisory	Z43
01:015	UNIT 311	Init:Addr:Switch:Supervisory	Z42
01:016	OUTSIDE UNIT 311	Init:Addr:Detector:Photo	Z44
01:017	UNIT 312	Init:Addr:Switch:Supervisory	Z42
01:018	OUTSIDE UNIT 312	Init:Addr:Detector:Photo	Z44
01:019	FL 3 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)	Z28 G3
01:020	LAUNDRY/LOUNGE	Init:Addr:Detector:Photo	Z44
01:022	CENTER CORRIDOR FL 3	Init:Addr:Switch:Manual Pull	Z44
01:023	UNIT 313	Init:Addr:Switch:Supervisory	Z42
01:024	UNIT 322	Init:Addr:Switch:Supervisory	Z43
01:025	OUTSIDE UNIT 314	Init:Addr:Detector:Photo	Z44
01:026	UNIT 321	Init:Addr:Switch:Supervisory	Z43
01:027	UNIT 314	Init:Addr:Switch:Supervisory	Z42
01:028	OUTSIDE UNIT 315	Init:Addr:Detector:Photo	Z46
01:029	UNIT 315	Init:Addr:Switch:Supervisory	Z47
01:030	UNIT 320	Init:Addr:Switch:Supervisory	Z47
01:031	OUTSIDE UNIT 319	Init:Addr:Detector:Photo	Z46
01:032	UNIT 319	Init:Addr:Switch:Supervisory	Z47
01:033	UNIT 316	Init:Addr:Switch:Supervisory	Z47
01:034	OUTSIDE UNIT 317	Init:Addr:Detector:Photo	Z46
01:035	UNIT 317	Init:Addr:Switch:Supervisory	Z47
01:036	UNIT 318	Init:Addr:Switch:Supervisory	Z47
01:037	OUTSIDE UNIT 317	Init:Addr:Switch:Manual Pull	Z46
01:038	FL 3 WEST STAIR	Init:Addr:Detector:Photo	Z48
01:039	FL 4 WEST STAIR	Init:Addr:Detector:Photo	Z49
01:040	OUTSIDE UNIT 417	Init:Addr:Switch:Manual Pull	Z52
01:041	UNIT 417	Init:Addr:Switch:Supervisory	Z50
01:042	UNIT 418	Init:Addr:Switch:Supervisory	Z51
01:043	OUTSIDE UNIT 418	Init:Addr:Detector:Photo	Z52
01:044	UNIT 419	Init:Addr:Switch:Supervisory	Z51
01:045	UNIT 416	Init:Addr:Switch:Supervisory	Z50
01:046	OUTSIDE UNT 416	Init:Addr:Detector:Photo	Z52
01:047	UNIT 415	Init:Addr:Switch:Supervisory	Z50
01:048	UNIT 420	Init:Addr:Switch:Supervisory	Z51
01:049	OUTSIDE UNIT 420	Init:Addr:Detector:Photo	Z52
01:050	UNIT 421	Init:Addr:Switch:Supervisory	Z61
01:051	UNIT 414	Init:Addr:Switch:Supervisory	Z62
01:052	OUTSIDE UNIT 421	Init:Addr:Detector:Photo	Z53
01:053	UNIT 413	Init:Addr:Switch:Supervisory	Z62
01:054	UNIT 422	Init:Addr:Switch:Supervisory	Z61
01:055	OUTSIDE UNIT 412	Init:Addr:Switch:Manual Pull	Z53
01:056	OUTSIDE UNIT 412	Init:Addr:Detector:Photo	Z53
01:057	UNIT 412	Init:Addr:Switch:Supervisory	Z62
01:058	FL 4 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)	Z28 G3

POINT LISTING

Point ID	Point Name	Point Type	Location
01:059	LAUNDRY/LOUNGE	Init:Addr:Detector:Photo	Z53
01:061	OUTSIDE UNIT 411	Init:Addr:Detector:Photo	Z53
01:062	UNIT 404	Init:Addr:Switch:Supervisory	Z61
01:063	UNIT 411	Init:Addr:Switch:Supervisory	Z62
01:064	OUTSIDE UNIT 410	Init:Addr:Detector:Photo	Z55
01:065	UNIT 410	Init:Addr:Switch:Supervisory	Z56
01:066	UNIT 405	Init:Addr:Switch:Supervisory	Z57
01:067	OUTSIDE UNIT 406	Init:Addr:Detector:Photo	Z55
01:068	UNIT 406	Init:Addr:Switch:Supervisory	Z57
01:069	UNIT 409	Init:Addr:Switch:Supervisory	Z56
01:070	OUTSIDE UNIT 408	Init:Addr:Detector:Photo	Z55
01:071	UNIT 408	Init:Addr:Switch:Supervisory	Z56
01:072	UNIT 407	Init:Addr:Switch:Supervisory	Z57
01:073	OUTSIDE UNIT 407	Init:Addr:Switch:Manual Pull	Z55
01:074	FL 4 WATERFLOW	Init:Addr:Switch:Water Flow	Z58
01:075	FL 4 SPRINKLER VALVE	Init:Addr:Switch:Tamper	Z59
01:076	FL 4 EAST STAIR	Init:Addr:Detector:Photo	Z60
33:001	FL 1 EAST STAIR	Init:Addr:Detector:Photo	Z16
33:002	VALVE TAMPER	Init:Addr:Switch:Tamper	Z15
33:003	WATERFLOW	Init:Addr:Switch:Water Flow	Z14
33:004	EAST STAIR	Init:Addr:Switch:Manual Pull	Z16
33:006	VALVE TAMPER	Init:Addr:Switch:Tamper	Z13
33:007	EAST EXIT	Init:Addr:Switch:Manual Pull	Z11
33:008	VALVE ABOVE CLG E CO	Init:Addr:Switch:Tamper	Z12
33:009	UNIT 121	Init:Addr:Switch:Supervisory	Z9
33:010	UNIT 122	Init:Addr:Switch:Supervisory	Z10
33:011	OUTSIDE UNIT 121	Init:Addr:Detector:Photo	Z11
33:012	UNIT 123	Init:Addr:Switch:Supervisory	Z10
33:013	UNIT 120	Init:Addr:Switch:Supervisory	Z9
33:014	OUTSIDE UNIT 123	Init:Addr:Detector:Photo	Z11
33:015	UNIT 119	Init:Addr:Switch:Supervisory	Z9
33:016	UNIT 124	Init:Addr:Switch:Supervisory	Z10
33:017	OUTSIDE UNIT 119	Init:Addr:Detector:Photo	Z11
33:018	UNIT 118	Init:Addr:Switch:Supervisory	Z9
33:019	OUTSIDE UNIT 118	Init:Addr:Detector:Photo	Z46
33:020	NEAR ACTIVITY RM	Init:Addr:Detector:Photo	Z7
33:021	STORAGE 104	Init:Addr:Detector:Photo	Z2
33:022	STORAGE BATH 105	Init:Addr:Detector:Photo	Z2
33:023	OFFICE 103	Init:Addr:Detector:Photo	Z2
33:024	RECEPTION 102	Init:Addr:Detector:Photo	Z2
33:025	FL1 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)	Z3 G2
33:026	MAIN LOBBY 102	Init:Addr:Detector:Photo	Z1
33:028	MAIN LOBBY	Init:Addr:Switch:Manual Pull	Z1
33:029	ACTIVITIES 106	Init:Addr:Detector:Photo	Z8
33:030	ACTIVITIES ROOM	Init:Addr:Switch:Manual Pull	Z8
33:031	EAST MAIN LOBBY	Init:Addr:Switch:Manual Pull	Z7
33:032	ACTIVITIES RM 106	Init:Addr:Switch:Manual Pull	Z8
33:033	ACTIVITIES RM 106	Init:Addr:Detector:Photo	Z8
33:034	KITCHEN 107	Init:Addr:Switch:Manual Pull	Z8
33:035	KITCHEN 107	Init:Addr:Detector:Photo	Z8
33:036	STORAGE 110	Init:Addr:Detector:Heat	Z8
33:037	REST ROOM 109	Init:Addr:Detector:Heat	Z8
33:038	REST ROOM 108	Init:Addr:Detector:Heat	Z8
33:039	NEAR MAINT RM	Init:Addr:Detector:Photo	Z7
33:040	MAINTENANCE 113	Init:Addr:Detector:Heat	Z6
33:041	ELEV MACHINE RM	Init:Addr:Detector:Photo	Z64
33:042	ELECT RM 117	Init:Addr:Detector:Heat	Z4
33:044	GARBAGE RM 115	Init:Addr:Detector:Heat	Z6
33:045	GARBAGE RM 115	Init:Addr:Switch:Manual Pull	Z6
33:046	NEAR CRAFTS ROOM	Init:Addr:Detector:Photo	Z7
33:047	CRAFTS RM 114	Init:Addr:Detector:Photo	Z6
33:048	OUTSIDE UNIT 130	Init:Addr:Detector:Photo	Z19
33:049	UNIT 125	Init:Addr:Switch:Supervisory	Z18

POINT LISTING

Point ID	Point Name	Point Type	Location
33:050	UNIT 130	Init:Addr:Switch:Supervisory	Z17
33:051	OUTSIDE UNIT 126	Init:Addr:Detector:Photo	Z19
33:052	UNIT 126	Init:Addr:Switch:Supervisory	Z17
33:053	UNIT 129	Init:Addr:Switch:Supervisory	Z18
33:054	OUTSIDE UNIT 128	Init:Addr:Detector:Photo	Z19
33:055	UNIT 128	Init:Addr:Switch:Supervisory	Z18
33:056	UNIT 127	Init:Addr:Switch:Supervisory	Z17
33:057	OUTSIDE UNIT 128	Init:Addr:Switch:Manual Pull	Z19
33:058	WEST STAIR SMOKE	Init:Addr:Detector:Photo	Z20
33:059	WEST STAIR	Init:Addr:Switch:Manual Pull	Z20
33:060	FL2 WEST STAIR	Init:Addr:Detector:Photo	Z20
33:061	OUTSIDE UNIT 217	Init:Addr:Switch:Manual Pull	Z22
33:062	UNIT 218	Init:Addr:Switch:Supervisory	Z24
33:063	UNIT 217	Init:Addr:Switch:Supervisory	Z23
33:064	OUTSIDE UNIT 218	Init:Addr:Detector:Photo	Z22
33:065	UNIT 216	Init:Addr:Switch:Supervisory	Z23
33:066	UNIT 219	Init:Addr:Switch:Supervisory	Z24
33:067	OUTSIDE UNIT 219	Init:Addr:Detector:Photo	Z22
33:068	UNIT 220	Init:Addr:Switch:Supervisory	Z24
33:069	UNIT 215	Init:Addr:Switch:Supervisory	Z23
33:070	OUTSIDE UNIT 220	Init:Addr:Detector:Photo	Z22
33:071	UNIT 214	Init:Addr:Switch:Supervisory	Z27
33:072	UNIT 221	Init:Addr:Switch:Supervisory	Z26
33:073	OUTSIDE ROOM 221	Init:Addr:Detector:Photo	Z25
33:074	UNIT 222	Init:Addr:Switch:Supervisory	Z26
33:075	UNIT 213	Init:Addr:Switch:Supervisory	Z27
33:077	FL 2 LAUNDRY ROOM	Init:Addr:Detector:Photo	Z29
33:078	FL 2 ELEV LOBBY	Init:Addr:Detector:Photo (Relay Base)	Z28 G3
33:079	OUTSIDE UNIT 212	Init:Addr:Detector:Photo	Z25
33:080	OUTSIDE UNIT 212	Init:Addr:Switch:Manual Pull	Z25
33:081	UNIT 212	Init:Addr:Switch:Supervisory	Z27
33:082	OUTSIDE UNIT 211	Init:Addr:Detector:Photo	Z25
33:083	UNIT 211	Init:Addr:Switch:Supervisory	Z27
33:084	UNIT 204	Init:Addr:Switch:Supervisory	Z26
33:085	OUTSIDE UNIT 210	Init:Addr:Detector:Photo	Z30
33:086	UNIT 205	Init:Addr:Switch:Supervisory	Z31
33:087	UNIT 210	Init:Addr:Switch:Supervisory	Z32
33:088	OUTSIDE UNIT 206	Init:Addr:Detector:Photo	Z30
33:089	UNIT 209	Init:Addr:Switch:Supervisory	Z32
33:090	UNIT 206	Init:Addr:Switch:Supervisory	Z31
33:091	OUTSIDE UNIT 208	Init:Addr:Detector:Photo	Z30
33:092	UNIT 207	Init:Addr:Switch:Supervisory	Z31
33:093	UNIT 208	Init:Addr:Switch:Supervisory	Z32
33:094	OUTSIDE UNIT 207	Init:Addr:Switch:Manual Pull	Z30
33:095	WATERFLOW	Init:Addr:Switch:Water Flow	Z33
33:096	VALVE TAMPER	Init:Addr:Switch:Tamper	Z34
33:097	FL 2 EAST STAIR	Init:Addr:Detector:Photo	Z35
33:098	MODULE_33 POINT_98	Init:Addr:Switch:Manual Pull	Z7
33:099	MODULE_33 POINT_99	Init:Addr:Switch:Manual Pull	Z7
33:100	MODULE_33 POINT_100	Init:Addr:Switch:Supervisory	Z63
33:101	MODULE_33 POINT_101	Init:Addr:Switch:Tamper	Z63
33:102	PRI RECALL	Notif:Addr:Relay:	G2
33:103	ALT RECALL	Notif:Addr:Relay:	G3
33:104	FIRE HAT	Notif:Addr:Relay:	G5
33:105	TOP OF SHAFT DAMPER	Notif:Addr:Relay:	G1
33:106	POWER LOSS ELEVATOR	Init:Addr:Switch:Supervisory	Z65
33:107	SHUNT HEAT	Init:Addr:Switch:Detector Input	Z64
34:001	MODULE_34 CKT_1	Notif:Conv:	G1
34:002	MODULE_34 CKT_2	Notif:Conv:	G1
34:003	MODULE_34 CKT_3	Notif:Conv:	G1
34:004	HORN BOOSTER TRIP	Notif:Conv:	G1
34:005	MODULE_34 CKT_5	Notif:Conv:	G1
34:006	MAG-DOOR	Aux:Conv:Aux:Door	SYS

INPUT ZONE SUMMARY

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
1	MAIN LOBBY	1 Count	Low	Medium	150
2	FIRST FL CENTER	1 Count	Low	Medium	150
3	FL 1 ELEVATOR LOBBY	1 Count	Low	Medium	150
4	ELECT RM 117 FL1	1 Count	Low	Medium	135
5	ZONE 5	1 Count	Low	Medium	150
6	FLOOR 1	1 Count	Low	Medium	135
7	FL 1 E CORRIDOR	1 Count	Low	Medium	150
8	ACTIVITIES/KITCHEN	1 Count	Low	Medium	135
9	ROOMS 118-121	1 Count	Low	Medium	150
10	ROOMS 122-124	1 Count	Low	Medium	150
11	1ST FL E. CORRIDOR	1 Count	Low	Medium	150
12	FL 1 VALVE TAMPER	1 Count	Low	Medium	150
13	FL 1 VALVE TAMPER	1 Count	Low	Medium	150
14	FL 1 WATERFLOW	1 Count	Low	Medium	150
15	FL 1 VALVE TAMPER	1 Count	Low	Medium	150
16	FL 1 EAST STAIR	1 Count	Low	Medium	150
17	ROOMS 125-127	1 Count	Low	Medium	150
18	ROOMS 128-130	1 Count	Low	Medium	150
19	FL 1 W. CORRIDOR	1 Count	Low	Medium	150
20	WEST STAIR FL. 1	1 Count	Low	Medium	150
21	FL 2 WEST STAIR	1 Count	Low	Medium	150
22	FL 2 WEST CORRIDOR	1 Count	Low	Medium	150
23	ROOMS 215-217	1 Count	Low	Medium	150
24	ROOMS 218-220	1 Count	Low	Medium	150
25	FL 2 CTR CORRIDOR	1 Count	Low	Medium	150
26	RMS 214,221,222	1 Count	Low	Medium	150
27	ROOMS 211-214	1 Count	Low	Medium	150
28	FL 2 ELEV LOBBY	1 Count	Low	Medium	150
29	FL 2 LAUNDRY ROOM	1 Count	Low	Medium	150
30	FL 2 E. CORRIDOR	1 Count	Low	Medium	150
31	ROOMS 205-207	1 Count	Low	Medium	150
32	ROOMS 208-210	1 Count	Low	Medium	150
33	FL 2 EAST STAIR	1 Count	Low	Medium	150
34	FL 2 VALVE TAMPER	1 Count	Low	Medium	150
35	FL 2 EAST STAIR	1 Count	Low	Medium	150
36	FL 3 EAST STAIR	1 Count	Low	Medium	150
37	3RD FLOR WATERFLOW	1 Count	Low	Medium	150
38	FL 3 VALVE TAMPER	1 Count	Low	Medium	150
39	FL 3 E CORRIDOR	1 Count	Low	Medium	150
40	ROOMS 308-310	1 Count	Low	Medium	150
41	ROOMS 305-307	1 Count	Low	Medium	150
42	ROOMS 311-314	1 Count	Low	Medium	150
43	RMS 304,321,322	1 Count	Low	Medium	150
44	FL 3 CTR CORRIDOR	1 Count	Low	Medium	150
45	FL 3 ELEVATOR LOBBY	1 Count	Low	Medium	150
46	FIRST_FLOOR	1 Count	Low	Medium	150
47	RMS 215-220	1 Count	Low	Medium	150
48	FL3 W STAIR	1 Count	Low	Medium	150
49	FL 4 W. STAIR	1 Count	Low	Medium	150
50	ROOMS 415-417	1 Count	Low	Medium	150
51	ROOMS 418-420	1 Count	Low	Medium	150
52	FL 4 W. CORRIDOR	1 Count	Low	Medium	150
53	FL 4 CTR CORRIDOR	1 Count	Low	Medium	150
54	FL 4 EL. LOBBY	1 Count	Low	Medium	150
55	FL 4 E CORRIDOR	1 Count	Low	Medium	150
56	ROOMS 408-410	1 Count	Low	Medium	150
57	ROOMS 405-407	1 Count	Low	Medium	150
58	FL 4 WATERFLOW	1 Count	Low	Medium	150
59	FL 4 VALVE TAMPER	1 Count	Low	Medium	150
60	FL 4 EAST STAIR	1 Count	Low	Medium	150
61	ROOM 421	1 Count	Low	Medium	150
62	ROOMS 411-414	1 Count	Low	Medium	150

INPUT ZONE SUMMARY

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
63	FL 1 VALVE TAMPER	1 Count	Low	Medium	150
64	ELEVATOR FIRE HAT	1 Count	Low	Medium	150
65	POWER SHUNT	1 Count	Low	Medium	150

INPUT ZONE POINT LISTING

Zone 1

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
1	MAIN LOBBY	1 Count	Low	Medium	150

Point(s) in Zone 1

Point ID	Point Name	Point Type
33:026	MAIN LOBBY 102	Init:Addr:Detector:Photo
33:028	MAIN LOBBY	Init:Addr:Switch:Manual Pull

Zone 2

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
2	FIRST FL CENTER	1 Count	Low	Medium	150

Point(s) in Zone 2

Point ID	Point Name	Point Type
33:021	STORAGE 104	Init:Addr:Detector:Photo
33:022	STORAGE BATH 105	Init:Addr:Detector:Photo
33:023	OFFICE 103	Init:Addr:Detector:Photo
33:024	RECEPTION 102	Init:Addr:Detector:Photo

Zone 3

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
3	FL 1 ELEVATOR LOBBY	1 Count	Low	Medium	150

Point(s) in Zone 3

Point ID	Point Name	Point Type
33:025	FL1 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)

Zone 4

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
4	ELECT RM 117 FL1	1 Count	Low	Medium	135

Point(s) in Zone 4

Point ID	Point Name	Point Type
33:042	ELECT RM 117	Init:Addr:Detector:Heat

Zone 5

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
5	ZONE_5	1 Count	Low	Medium	150

Point(s) in Zone 5

Point ID	Point Name	Point Type

Zone 6

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

Point(s) in Zone 6

INPUT ZONE POINT LISTING

Point ID	Point Name	Point Type
33:040	MAINTENANCE 113	Init:Addr:Detector:Heat
33:044	GARBAGE RM 115	Init:Addr:Detector:Heat
33:045	GARBAGE RM 115	Init:Addr:Switch:Manual Pull
33:047	CRAFTS RM 114	Init:Addr:Detector:Photo

Zone 7

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
7	FL 1 E CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 7

Point ID	Point Name	Point Type
33:020	NEAR ACTIVITY RM	Init:Addr:Detector:Photo
33:031	EAST MAIN LOBBY	Init:Addr:Switch:Manual Pull
33:039	NEAR MAINT RM	Init:Addr:Detector:Photo
33:046	NEAR CRAFTS ROOM	Init:Addr:Detector:Photo
33:098	MODULE_33 POINT_98	Init:Addr:Switch:Manual Pull
33:099	MODULE_33 POINT_99	Init:Addr:Switch:Manual Pull

Zone 8

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
8	ACTIVITIES/KITCHEN	1 Count	Low	Medium	135

Point(s) in Zone 8

Point ID	Point Name	Point Type
33:029	ACTIVITIES 106	Init:Addr:Detector:Photo
33:030	ACTIVITIES ROOM	Init:Addr:Switch:Manual Pull
33:032	ACTIVITIES RM 106	Init:Addr:Switch:Manual Pull
33:033	ACTIVITIES RM 106	Init:Addr:Detector:Photo
33:034	KITCHEN 107	Init:Addr:Switch:Manual Pull
33:035	KITCHEN 107	Init:Addr:Detector:Photo
33:036	STORAGE 110	Init:Addr:Detector:Heat
33:037	REST ROOM 109	Init:Addr:Detector:Heat
33:038	REST ROOM 108	Init:Addr:Detector:Heat

Zone 9

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
9	ROOMS 118-121	1 Count	Low	Medium	150

Point(s) in Zone 9

Point ID	Point Name	Point Type
33:009	UNIT 121	Init:Addr:Switch:Supervisory
33:013	UNIT 120	Init:Addr:Switch:Supervisory
33:015	UNIT 119	Init:Addr:Switch:Supervisory
33:018	UNIT 118	Init:Addr:Switch:Supervisory

Zone 10

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
10	ROOMS 122-124	1 Count	Low	Medium	150

Point(s) in Zone 10

INPUT ZONE POINT LISTING

Point ID	Point Name	Point Type
33:010	UNIT 122	Init:Addr:Switch:Supervisory
33:012	UNIT 123	Init:Addr:Switch:Supervisory
33:016	UNIT 124	Init:Addr:Switch:Supervisory

Zone 11

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
11	1ST FL E. CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 11

Point ID	Point Name	Point Type
33:007	EAST EXIT	Init:Addr:Switch:Manual Pull
33:011	OUTSIDE UNIT 121	Init:Addr:Detector:Photo
33:014	OUTSIDE UNIT 123	Init:Addr:Detector:Photo
33:017	OUTSIDE UNIT 119	Init:Addr:Detector:Photo

Zone 12

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
12	FL 1 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 12

Point ID	Point Name	Point Type
33:008	VALVE ABOVE CLG E CO	Init:Addr:Switch:Tamper

Zone 13

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
13	FL 1 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 13

Point ID	Point Name	Point Type
33:006	VALVE TAMPER	Init:Addr:Switch:Tamper

Zone 14

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
14	FL 1 WATERFLOW	1 Count	Low	Medium	150

Point(s) in Zone 14

Point ID	Point Name	Point Type
33:003	WATERFLOW	Init:Addr:Switch:Water Flow

Zone 15

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
15	FL 1 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 15

Point ID	Point Name	Point Type
33:002	VALVE TAMPER	Init:Addr:Switch:Tamper

INPUT ZONE POINT LISTING

Zone 16

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
16	FL 1 EAST STAIR	1 Count	Low	Medium	150

Point(s) in Zone 16

Point ID	Point Name	Point Type
33:001	FL 1 EAST STAIR	Init:Addr:Detector:Photo
33:004	EAST STAIR	Init:Addr:Switch:Manual Pull

Zone 17

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
17	ROOMS 125-127	1 Count	Low	Medium	150

Point(s) in Zone 17

Point ID	Point Name	Point Type
33:050	UNIT 130	Init:Addr:Switch:Supervisory
33:052	UNIT 126	Init:Addr:Switch:Supervisory
33:056	UNIT 127	Init:Addr:Switch:Supervisory

Zone 18

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
18	ROOMS 128-130	1 Count	Low	Medium	150

Point(s) in Zone 18

Point ID	Point Name	Point Type
33:049	UNIT 125	Init:Addr:Switch:Supervisory
33:053	UNIT 129	Init:Addr:Switch:Supervisory
33:055	UNIT 128	Init:Addr:Switch:Supervisory

Zone 19

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
19	FL 1 W. CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 19

Point ID	Point Name	Point Type
33:048	OUTSIDE UNIT 130	Init:Addr:Detector:Photo
33:051	OUTSIDE UNIT 126	Init:Addr:Detector:Photo
33:054	OUTSIDE UNIT 128	Init:Addr:Detector:Photo
33:057	OUTSIDE UNIT 128	Init:Addr:Switch:Manual Pull

Zone 20

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
20	WEST STAIR FL. 1	1 Count	Low	Medium	150

Point(s) in Zone 20

Point ID	Point Name	Point Type
33:058	WEST STAIR SMOKE	Init:Addr:Detector:Photo
33:059	WEST STAIR	Init:Addr:Switch:Manual Pull
33:060	FL2 WEST STAIR	Init:Addr:Detector:Photo

INPUT ZONE POINT LISTING

Zone 21

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
21	FL 2 WEST STAIR	1 Count	Low	Medium	150

Point(s) in Zone 21

Point ID	Point Name	Point Type

Zone 22

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
22	FL 2 WEST CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 22

Point ID	Point Name	Point Type
33:061	OUTSIDE UNIT 217	Init:Addr:Switch:Manual Pull
33:064	OUTSIDE UNIT 218	Init:Addr:Detector:Photo
33:067	OUTSIDE UNIT 219	Init:Addr:Detector:Photo
33:070	OUTSIDE UNIT 220	Init:Addr:Detector:Photo

Zone 23

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
23	ROOMS 215-217	1 Count	Low	Medium	150

Point(s) in Zone 23

Point ID	Point Name	Point Type
33:063	UNIT 217	Init:Addr:Switch:Supervisory
33:065	UNIT 216	Init:Addr:Switch:Supervisory
33:069	UNIT 215	Init:Addr:Switch:Supervisory

Zone 24

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
24	ROOMS 218-220	1 Count	Low	Medium	150

Point(s) in Zone 24

Point ID	Point Name	Point Type
33:062	UNIT 218	Init:Addr:Switch:Supervisory
33:066	UNIT 219	Init:Addr:Switch:Supervisory
33:068	UNIT 220	Init:Addr:Switch:Supervisory

Zone 25

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
25	FL 2 CTR CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 25

Point ID	Point Name	Point Type
33:073	OUTSIDE ROOM 221	Init:Addr:Detector:Photo
33:079	OUTSIDE UNIT 212	Init:Addr:Detector:Photo
33:080	OUTSIDE UNIT 212	Init:Addr:Switch:Manual Pull
33:082	OUTSIDE UNIT 211	Init:Addr:Detector:Photo

INPUT ZONE POINT LISTING

Zone 26

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
26	RMS 214,221,222	1 Count	Low	Medium	150

Point(s) in Zone 26

Point ID	Point Name	Point Type
33:072	UNIT 221	Init:Addr:Switch:Supervisory
33:074	UNIT 222	Init:Addr:Switch:Supervisory
33:084	UNIT 204	Init:Addr:Switch:Supervisory

Zone 27

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
27	ROOMS 211-214	1 Count	Low	Medium	150

Point(s) in Zone 27

Point ID	Point Name	Point Type
33:071	UNIT 214	Init:Addr:Switch:Supervisory
33:075	UNIT 213	Init:Addr:Switch:Supervisory
33:081	UNIT 212	Init:Addr:Switch:Supervisory
33:083	UNIT 211	Init:Addr:Switch:Supervisory

Zone 28

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
28	FL 2 ELEV LOBBY	1 Count	Low	Medium	150

Point(s) in Zone 28

Point ID	Point Name	Point Type
01:019	FL 3 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)
01:058	FL 4 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)
33:078	FL 2 ELEV LOBBY	Init:Addr:Detector:Photo (Relay Base)

Zone 29

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
29	FL 2 LAUNDRY ROOM	1 Count	Low	Medium	150

Point(s) in Zone 29

Point ID	Point Name	Point Type
33:077	FL 2 LAUNDRY ROOM	Init:Addr:Detector:Photo

Zone 30

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
30	FL 2 E. CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 30

Point ID	Point Name	Point Type
33:085	OUTSIDE UNIT 210	Init:Addr:Detector:Photo
33:088	OUTSIDE UNIT 206	Init:Addr:Detector:Photo
33:091	OUTSIDE UNIT 208	Init:Addr:Detector:Photo
33:094	OUTSIDE UNIT 207	Init:Addr:Switch:Manual Pull

INPUT ZONE POINT LISTING

Zone 31

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
31	ROOMS 205-207	1 Count	Low	Medium	150

Point(s) in Zone 31

Point ID	Point Name	Point Type
33:086	UNIT 205	Init:Addr:Switch:Supervisory
33:090	UNIT 206	Init:Addr:Switch:Supervisory
33:092	UNIT 207	Init:Addr:Switch:Supervisory

Zone 32

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
32	ROOMS 208-210	1 Count	Low	Medium	150

Point(s) in Zone 32

Point ID	Point Name	Point Type
33:087	UNIT 210	Init:Addr:Switch:Supervisory
33:089	UNIT 209	Init:Addr:Switch:Supervisory
33:093	UNIT 208	Init:Addr:Switch:Supervisory

Zone 33

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
33	FL 2 EAST STAIR	1 Count	Low	Medium	150

Point(s) in Zone 33

Point ID	Point Name	Point Type
33:095	WATERFLOW	Init:Addr:Switch:Water Flow

Zone 34

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
34	FL 2 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 34

Point ID	Point Name	Point Type
33:096	VALVE TAMPER	Init:Addr:Switch:Tamper

Zone 35

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
35	FL 2 EAST STAIR	1 Count	Low	Medium	150

Point(s) in Zone 35

Point ID	Point Name	Point Type
33:097	FL 2 EAST STAIR	Init:Addr:Detector:Photo

Zone 36

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
36	FL 3 EAST STAIR	1 Count	Low	Medium	150

INPUT ZONE POINT LISTING

Point(s) in Zone 36

Point ID	Point Name	Point Type
01:001	3RD FL EAST STAIR	Init:Addr:Detector:Photo

Zone 37

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
37	3RD FLOR WATERFLOW	1 Count	Low	Medium	150

Point(s) in Zone 37

Point ID	Point Name	Point Type
01:002	3RD FL EAST STAIR]	Init:Addr:Switch:Water Flow

Zone 38

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
38	FL 3 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 38

Point ID	Point Name	Point Type
01:003	3RD FL TAMPER	Init:Addr:Switch:Tamper

Zone 39

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
39	FL 3 E CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 39

Point ID	Point Name	Point Type
01:004	3RD FLOOR EAST	Init:Addr:Switch:Manual Pull
01:007	OUTSIDE UNIT 307	Init:Addr:Detector:Photo
01:010	OUTSIDE RM 309	Init:Addr:Detector:Photo
01:013	OUTSIDE RM 305	Init:Addr:Detector:Photo

Zone 40

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
40	ROOMS 308-310	1 Count	Low	Medium	150

Point(s) in Zone 40

Point ID	Point Name	Point Type
01:005	UNIT 308	Init:Addr:Switch:Supervisory
01:009	UNIT 309	Init:Addr:Switch:Supervisory
01:011	UNIT 310	Init:Addr:Switch:Supervisory

Zone 41

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
41	ROOMS 305-307	1 Count	Low	Medium	150

Point(s) in Zone 41

Point ID	Point Name	Point Type
01:006	UNIT 307	Init:Addr:Switch:Supervisory
01:008	UNIT 306	Init:Addr:Switch:Supervisory

01:012	UNIT 305	Init:Addr:Switch:Supervisory

Zone 42

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
42	ROOMS 311-314	1 Count	Low	Medium	150

Point(s) in Zone 42

Point ID	Point Name	Point Type
01:015	UNIT 311	Init:Addr:Switch:Supervisory
01:017	UNIT 312	Init:Addr:Switch:Supervisory
01:023	UNIT 313	Init:Addr:Switch:Supervisory
01:027	UNIT 314	Init:Addr:Switch:Supervisory

Zone 43

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
43	RMS 304,321,322	1 Count	Low	Medium	150

Point(s) in Zone 43

Point ID	Point Name	Point Type
01:014	UNIT 304	Init:Addr:Switch:Supervisory
01:024	UNIT 322	Init:Addr:Switch:Supervisory
01:026	UNIT 321	Init:Addr:Switch:Supervisory

Zone 44

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
44	FL 3 CTR CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 44

Point ID	Point Name	Point Type
01:016	OUTSIDE UNIT 311	Init:Addr:Detector:Photo
01:018	OUTSIDE UNIT 312	Init:Addr:Detector:Photo
01:020	LAUNDRY/LOUNGE	Init:Addr:Detector:Photo
01:022	CENTER CORRIDOR FL 3	Init:Addr:Switch:Manual Pull
01:025	OUTSIDE UNIT 314	Init:Addr:Detector:Photo

Zone 45

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
45	FL 3 ELEVATOR LOBBY	1 Count	Low	Medium	150

Point(s) in Zone 45

Point ID	Point Name	Point Type

Zone 46

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
46	FIRST_FLOOR	1 Count	Low	Medium	150

Point(s) in Zone 46

Point ID	Point Name	Point Type
01:028	OUTSIDE UNIT 315	Init:Addr:Detector:Photo
01:031	OUTSIDE UNIT 319	Init:Addr:Detector:Photo

01:034	OUTSIDE UNIT 317	Init:Addr:Detector:Photo
01:037	OUTSIDE UNIT 317	Init:Addr:Switch:Manual Pull
33:019	OUTSIDE UNIT 118	Init:Addr:Detector:Photo

Zone 47

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
47	RMS 215-220	1 Count	Low	Medium	150

Point(s) in Zone 47

Point ID	Point Name	Point Type
01:029	UNIT 315	Init:Addr:Switch:Supervisory
01:030	UNIT 320	Init:Addr:Switch:Supervisory
01:032	UNIT 319	Init:Addr:Switch:Supervisory
01:033	UNIT 316	Init:Addr:Switch:Supervisory
01:035	UNIT 317	Init:Addr:Switch:Supervisory
01:036	UNIT 318	Init:Addr:Switch:Supervisory

Zone 48

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
48	FL3 W STAIR	1 Count	Low	Medium	150

Point(s) in Zone 48

Point ID	Point Name	Point Type
01:038	FL 3 WEST STAIR	Init:Addr:Detector:Photo

Zone 49

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
49	FL 4 W. STAIR	1 Count	Low	Medium	150

Point(s) in Zone 49

Point ID	Point Name	Point Type
01:039	FL 4 WEST STAIR	Init:Addr:Detector:Photo

Zone 50

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
50	ROOMS 415-417	1 Count	Low	Medium	150

Point(s) in Zone 50

Point ID	Point Name	Point Type
01:041	UNIT 417	Init:Addr:Switch:Supervisory
01:045	UNIT 416	Init:Addr:Switch:Supervisory
01:047	UNIT 415	Init:Addr:Switch:Supervisory

Zone 51

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
51	ROOMS 418-420	1 Count	Low	Medium	150

Point(s) in Zone 51

Point ID	Point Name	Point Type
01:042	UNIT 418	Init:Addr:Switch:Supervisory

01:044	UNIT 419	Init:Addr:Switch:Supervisory
01:048	UNIT 420	Init:Addr:Switch:Supervisory

Zone 52

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
52	FL 4 W. CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 52

Point ID	Point Name	Point Type
01:040	OUTSIDE UNIT 417	Init:Addr:Switch:Manual Pull
01:043	OUTSIDE UNIT 418	Init:Addr:Detector:Photo
01:046	OUTSIDE UNT 416	Init:Addr:Detector:Photo
01:049	OUTSIDE UNIT 420	Init:Addr:Detector:Photo

Zone 53

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
53	FL 4 CTR CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 53

Point ID	Point Name	Point Type
01:052	OUTSIDE UNIT 421	Init:Addr:Detector:Photo
01:055	OUTSIDE UNIT 412	Init:Addr:Switch:Manual Pull
01:056	OUTSIDE UNIT 412	Init:Addr:Detector:Photo
01:059	LAUNDRY/LOUNGE	Init:Addr:Detector:Photo
01:061	OUTSIDE UNIT 411	Init:Addr:Detector:Photo

Zone 54

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
54	FL 4 EL. LOBBY	1 Count	Low	Medium	150

Point(s) in Zone 54

Point ID	Point Name	Point Type

Zone 55

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
55	FL 4 E CORRIDOR	1 Count	Low	Medium	150

Point(s) in Zone 55

Point ID	Point Name	Point Type
01:064	OUTSIDE UNIT 410	Init:Addr:Detector:Photo
01:067	OUTSIDE UNIT 406	Init:Addr:Detector:Photo
01:070	OUTSIDE UNIT 408	Init:Addr:Detector:Photo
01:073	OUTSIDE UNIT 407	Init:Addr:Switch:Manual Pull

Zone 56

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
56	ROOMS 408-410	1 Count	Low	Medium	150

Point(s) in Zone 56

INPUT ZONE POINT LISTING

Point ID	Point Name	Point Type
01:065	UNIT 410	Init:Addr:Switch:Supervisory
01:069	UNIT 409	Init:Addr:Switch:Supervisory
01:071	UNIT 408	Init:Addr:Switch:Supervisory

Zone 57

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
57	ROOMS 405-407	1 Count	Low	Medium	150

Point(s) in Zone 57

Point ID	Point Name	Point Type
01:066	UNIT 405	Init:Addr:Switch:Supervisory
01:068	UNIT 406	Init:Addr:Switch:Supervisory
01:072	UNIT 407	Init:Addr:Switch:Supervisory

Zone 58

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
58	FL 4 WATERFLOW	1 Count	Low	Medium	150

Point(s) in Zone 58

Point ID	Point Name	Point Type
01:074	FL 4 WATERFLOW	Init:Addr:Switch:Water Flow

Zone 59

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
59	FL 4 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 59

Point ID	Point Name	Point Type
01:075	FL 4 SPRINKLER VALVE	Init:Addr:Switch:Tamper

Zone 60

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
60	FL 4 EAST STAIR	1 Count	Low	Medium	150

Point(s) in Zone 60

Point ID	Point Name	Point Type
01:076	FL 4 EAST STAIR	Init:Addr:Detector:Photo

Zone 61

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
61	ROOM 421	1 Count	Low	Medium	150

Point(s) in Zone 61

Point ID	Point Name	Point Type
01:050	UNIT 421	Init:Addr:Switch:Supervisory
01:054	UNIT 422	Init:Addr:Switch:Supervisory
01:062	UNIT 404	Init:Addr:Switch:Supervisory

INPUT ZONE POINT LISTING

Zone 62

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
62	ROOMS 411-414	1 Count	Low	Medium	150

Point(s) in Zone 62

Point ID	Point Name	Point Type
01:051	UNIT 414	Init:Addr:Switch:Supervisory
01:053	UNIT 413	Init:Addr:Switch:Supervisory
01:057	UNIT 412	Init:Addr:Switch:Supervisory
01:063	UNIT 411	Init:Addr:Switch:Supervisory

Zone 63

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
63	FL 1 VALVE TAMPER	1 Count	Low	Medium	150

Point(s) in Zone 63

Point ID	Point Name	Point Type
33:100	MODULE_33 POINT_100	Init:Addr:Switch:Supervisory
33:101	MODULE_33 POINT_101	Init:Addr:Switch:Tamper

Zone 64

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
64	ELEVATOR FIRE HAT	1 Count	Low	Medium	150

Point(s) in Zone 64

Point ID	Point Name	Point Type
33:041	ELEV MACHINE RM	Init:Addr:Detector:Photo
33:107	SHUNT HEAT	Init:Addr:Switch:Detector Input

Zone 65

ID	Name	Detection Characteristics	Smoke Sensitivity		Heat Sensitivity
			Day	Night	
65	POWER SHUNT	1 Count	Low	Medium	150

Point(s) in Zone 65

Point ID	Point Name	Point Type
33:106	POWER LOSS ELEVATOR	Init:Addr:Switch:Supervisory

OUTPUT GROUP SUMMARY

Output Group Configuration

Group ID	Name	Latching
1	GROUP_1	Non-Latching
2	GROUP_2	Latching
3	GROUP_3	Latching
4	GROUP_4	Non-Latching
5	GROUP_5	Latching
249	GROUP_249	Non-Latching
250	GROUP_250	Non-Latching

Output Group Characteristics: Silencing and Control

ID	Silencing	Delay	Control	Output Pattern
1	Silenceable	N/A	Zone Control	N/A
2	Silenceable	N/A	Zone Control	N/A
3	Silenceable	N/A	Zone Control	N/A
4	Silenceable	N/A	Zone Control	N/A
5	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
GROUP_1	Non-Latching	Silenceable	Zone Control

Point(s) in Group 1

Point ID	Point Name	Point Type
33:105	TOP OF SHAFT DAMPER	Notif:Addr:Relay:
34:001	MODULE_34 CKT_1	Notif:Conv:
34:002	MODULE_34 CKT_2	Notif:Conv:
34:003	MODULE_34 CKT_3	Notif:Conv:
34:004	HORN BOOSTER TRIP	Notif:Conv:
34:005	MODULE_34 CKT_5	Notif:Conv:

Group 2

Name	Latching	Silencing	Control
GROUP_2	Latching	Silenceable	Zone Control

Point(s) in Group 2

Point ID	Point Name	Point Type
33:025	FL1 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)
33:102	PRI RECALL	Notif:Addr:Relay:

Group 3

Name	Latching	Silencing	Control
GROUP_3	Latching	Silenceable	Zone Control

Point(s) in Group 3

Point ID	Point Name	Point Type
01:019	FL 3 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)
01:058	FL 4 ELEVATOR LOBBY	Init:Addr:Detector:Photo (Relay Base)
33:078	FL 2 ELEV LOBBY	Init:Addr:Detector:Photo (Relay Base)
33:103	ALT RECALL	Notif:Addr:Relay:

Group 4

Name	Latching	Silencing	Control
GROUP_4	Non-Latching	Silenceable	Zone Control

Point(s) in Group 4

Point ID	Point Name	Point Type

Group 5

Name	Latching	Silencing	Control
GROUP_5	Latching	Silenceable	Zone Control

Point(s) in Group 5

Point ID	Point Name	Point Type
33:104	FIRE HAT	Notif:Addr:Relay:

Group 249

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

Point(s) in Group 249

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

Group 250

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

Point(s) in Group 250

OUTPUT GROUP POINT LISTING

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

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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	CST				

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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	CST				

MAPPING REPORT

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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	CST				

Zone 13 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				

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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	CST				

Zone 16 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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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	CST			249	CST			1	CST	1	CST				
250	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	CST				

MAPPING REPORT

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				

Zone 27 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				

Zone 28 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										
3	CST							250	CST	250	CST				
250	CST														

Zone 29 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				

Zone 30 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				

Zone 31 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				

Zone 32 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				

Zone 33 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				

Zone 34 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				

Zone 35 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.
1	CST			249	CST			1	CST	1	CST				
250	CST							250	CST	250	CST				

Zone 36 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				

Zone 37 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				

Zone 38 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				

Zone 39 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				

Zone 40 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				

Zone 41 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				

Zone 42 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				

Zone 43 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				

Zone 44 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				
3	CST							250	CST	250	CST				
250	CST														

MAPPING REPORT

Zone 45 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				

Zone 46 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				

Zone 47 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				

Zone 48 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				

Zone 49 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				

Zone 50 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				

Zone 51 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				

Zone 52 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				

Zone 53 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				

Zone 54 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.
1	CST			249	CST			1	CST	1	CST				
3	CST							250	CST	250	CST				
250	CST														

Zone 55 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				

Zone 56 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				

Zone 57 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				

Zone 58 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				

Zone 59 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				

Zone 60 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				

Zone 61 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				

Zone 62 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				

Zone 63 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				

MAPPING REPORT

Zone 64 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			250	CST	250	CST				
5	CST														
250	CST														

Zone 65 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				