City of Puyallup
Fire
REVIEWED FOR COMPLIANCE
DDrake
03/09/2026
11:01:18 AM

THE APPROVED CONSTRUCTION PLANS AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

Approval of submitted plans is not an approval of omissions or oversight by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable building codes and regulations of the local government.

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

GOOD SAMARITAN HOSPITAL

EAST WING

PHASE 1 & 2

KITCHEN REMODEL

AHJ REVIEW

Fire Alarm and Detection System

Equipment Supplied By

Johnson Controls

Project Team Contact Information			
Generic Project Information:	Jerrod Bishop	jerrod.bishop@jci.com	(206) 681-7025
Drawing/Engineering Information:	Scott Haynes	scott.haynes@jci.com NICET Fire Alarm System Level III, #142681	(206) 777-4850
Project Manager:	Kevin Barreith	kevin.james.barreith@jci.com.com	(206) 303-7765
Technician Scheduling:	Yvonne Thompson	yvonne.thompson@jci.com	(206) 777-4860

DRAWING LIST

SHEET NAME	DRAWING NAME	ELECTRONIC DRAWING NAME	INCLUDED IN THIS PROJECT
FA-COV-01	TITLE SHEET	FA-COV	X
FA-COV-02	COVER SHEET	FA-COV	X
FA-COV-03	COVER SHEET	FA-COV	X
FA-RIS-01	RISER SHEET	FA-COV	
FA-DET-01	DETAIL SHEET	FA-COV	
FA-DET-02	DETAIL SHEET	FA-COV	
FA-DET-03	DETAIL SHEET	FA-COV	
FA-DET-04	DETAIL SHEET	FA-COV	X
FA-DET-05	DETAIL SHEET	FA-COV	
FA-DET-06	FACP PANEL DETAIL SHEET	FA-COV	X
FA-DET-07	FACP PANEL DETAIL SHEET	FA-COV	X
FA-DET-08	CENTER TRANSPONDER PANEL DETAIL SHEET	FA-COV	X
FA-DET-09	NORTH TRANSPONDER PANEL DETAIL SHEET	FA-COV	X
FA-CAL-01	FACP CALCULATIONS SHEET	FA-COV	X
FA-CAL-02	FACP CALCULATIONS SHEET	FA-COV	X
FA-CAL-03	FACP CALCULATIONS SHEET	FA-COV	X
FA-CAL-04	CENTER TRANSPONDER CALCULATIONS SHEET	FA-COV	X
FA-CAL-05	NORTH TRANSPONDER CALCULATIONS SHEET	FA-COV	X
FA-G-01	GROUND FLOOR	FA-G-01	X
FA-G-02	GROUND FLOOR	FA-G-01	
FA-G-03	GROUND FLOOR	FA-G-01	
FA-G-04	GROUND FLOOR	FA-G-01	
FA-F-01N	FIRST FLOOR NORTH WING	FA-F-01	
FA-F-01S-D	FIRST FLOOR SOUTH WING DEMO	FA-F-01-D	X
FA-F-01S	FIRST FLOOR SOUTH WING	FA-F-01	X
FA-F-01E	FIRST FLOOR EAST WING	FA-F-01	
FA-F-02E-D	SECOND FLOOR EAST WING DEMO	FA-F-02-D	X
FA-F-02E	SECOND FLOOR EAST WING	FA-F-02	X
FA-F-02N	SECOND FLOOR NORTH WING	FA-F-02	X
FA-F-02SW	SECOND FLOOR EAST WING SW	FA-F-02	
FA-F-03N	PARTIAL 3RD FLOOR NORTH WING	FA-F-03	
FA-F-03S	3RD FLOOR INTERM RENOVATIONS	FA-F-03	
FA-F-04N	4TH FLOOR NORTH	FA-F-04	
FA-F-04S	4TH FLOOR SOUTH	FA-F-04	
FA-F-05	PARTIAL 5TH FLOOR PLAN	FA-F-05	
FA-R-01	ROOF NORTH WING	FA-R-01	
FA-P-01	PENTHOUSE FLOOR PLAN	FA-PENTHOUSE	
FA-P-02	WEST PENTHOUSE (OLD) FLOOR PLAN	FA-PENTHOUSE	

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168
SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
TITLE SHEET

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA.

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6-21-2001
SITE NUMBER: 459
SHEET NUMBER: FA-COV-01

ELECTRONIC DRAWING NAME: FA-COV

24" x 36"

GENERAL FIRE ALARM SYSTEM NOTES

1) FIRE ALARM SYSTEM IS POWER LIMITED. METALLIC RACEWAY SHALL BE USED IF REQUIRED BY CODE, SPECIFICATIONS AND CONTRACT DOCUMENTS OR AHJ.
2) ALL RACEWAYS MUST BE FREE OF MOISTURE
3) REFER TO JOHNSON CONTROLS FIRE ALARM DATA SHEETS FOR PROPER TYPE AND SIZES OF REQUIRED DEVICE MOUNTING ELECTRICAL BOXES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF ALL DEVICES.
4) AC VOLTAGE IS NOT PERMITTED IN THE SAME RACEWAY AS FIRE ALARM WIRING.
5) UNRELATED (NON-FIRE ALARM) WIRING SHALL NOT BE IN THE SAME RACEWAY AS FIRE ALARM WIRING.
6) ALL CONTRACTOR FIELD WIRING MUST ENTER ALARM CONTROL PANEL BACKBOX FOLLOWING POWER-LIMITED AND NON POWER-LIMITED WIRING REQUIREMENTS. REFER TO INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
7) ZONE CIRCUITS AND SIGNAL CIRCUITS ARE ELECTRICALLY SUPERVISED. BRANCH CIRCUITS SHALL BE LOOPED TO MAINTAIN INTEGRITY OF SUPERVISED CIRCUITS--T-TAPPING OF ZONE CIRCUITS AND SIGNAL CIRCUITS IS NOT PERMITTED.
8) REFER TO FACP MODULE DIAGRAMS, INCLUDED WITH FACP, FOR SPECIFICATIONS AND INFORMATION ON INDIVIDUAL PANEL MODULES. VERIFY ALL CONNECTIONS WITH A JOHNSON CONTROLS FIELD TECHNICAL REPRESENTATIVE PRIOR TO TERMINATION.
9) ALL FIRE ALARM WIRING SHALL TEST FREE OF OPENS, SHORTS AND GROUNDS.
10) ALL WIRING SHALL BE LABELED AND TAGGED
11) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAKING ALL FINAL CONNECTIONS PRIOR TO JOB CHECKOUT AND FINAL TESTING BY A JOHNSON CONTROLS FIELD TECHNICAL REPRESENTATIVE. CALL A MINIMUM OF 5 DAYS IN ADVANCE TO SCHEDULE A JOHNSON CONTROLS TECHNICIAN AT (206) 777-4860.
12) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR INSPECTION, TEST AND CERTIFICATION OF THE FIRE ALARM SYSTEM BY ALL APPROPRIATE AUTHORITIES.
13) UPON WRITTEN REQUEST, JOHNSON CONTROLS WILL PROVIDE WRITTEN INSTRUCTIONS REGARDING THE APPROPRIATE WIRE/CABLE FOR INSTALLATION OF THE EQUIPMENT/SYSTEM(S) IDENTIFIED IN THESE DRAWINGS. JOHNSON CONTROLS SHALL NOT BE RESPONSIBLE FOR PROBLEMS OR DAMAGES RESULTING FROM THE USE OF WIRE/CABLE OTHER THAN THAT WHICH HAS BEEN IDENTIFIED IN WRITING BY JOHNSON CONTROLS FOR A SPECIFIC APPLICATION.
14) ALL WIRING SHALL MEET ALL APPLICABLE NATIONAL ELECTRIC CODE ARTICLES FOR FIRE ALARM AND LOW VOLTAGE WIRING.

T.I. ARCHITECT: PERKINS & WILL, SEATTLE, WA

T.I. FIRE ALARM SYSTEM DESIGNED BY: JOHNSON CONTROLS, SEATTLE, WA

T.I. FIRE ALARM SYSTEM INSTALLED BY: PRECISION ELECTRIC GROUP, REDMOND, WA

EQUIPMENT FOR FIRE ALARM SYSTEM SUPPLIED BY: JOHNSON CONTROLS, SEATTLE, WA

WASHINGTON STATE ELECTRICAL CONTRACTORS NUMBER: JOHNSCP831PR

• THESE DRAWINGS DO NOT SUPERSEDE THE CONTRACT DRAWINGS AND SPECIFICATIONS, THEY ARE INTENDED AS A SUPPLEMENT ONLY AND MUST BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS. THEY DO NOT MODIFY THE CONTRACTORS OBLIGATIONS TO CONFORM TO THE PROJECTS ORIGINAL DESIGN CRITERIA.

PHASE 1 SCOPE OF WORK: (32)

MODIFY EXISTING FIRE ALARM SYSTEM: TENANT IMPROVEMENT FOR HOSPITAL KITCHEN TI PHASE 2. DEMO EXISTING DEVICES AS SHOWN ON DEMO DRAWING, AND PROVIDE NEW DEVICES AS SHOWN ON FLOOR PLAN DRAWINGS. REMOVE OLD AND ADD NEW PANEL POWER SUPPLIES, NAC CARDS AND IDNET CARDS.

ALL WIRING TO BE CLASS B.

THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM THE BUILDING OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER THE TIMING OF ANY FIRE ALARM SYSTEM DEMOLITION WORK.

PHASE 2 SCOPE OF WORK: (33)

MODIFY EXISTING FIRE ALARM SYSTEM: TENANT IMPROVEMENT FOR HOSPITAL KITCHEN TI PHASE 2. DEMO EXISTING DEVICES AS SHOWN ON DEMO DRAWING, AND PROVIDE NEW DEVICES AS SHOWN ON FLOOR PLAN DRAWINGS.

ALL WIRING TO BE CLASS B.

THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM THE BUILDING OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER THE TIMING OF ANY FIRE ALARM SYSTEM DEMOLITION WORK.

SCOPE OF WORK: (34)

MODIFY EXISTING FIRE ALARM SYSTEM: TENANT IMPROVEMENT FOR HOSPITAL KITCHEN TI PHASE 2. ADD DIALER IN NODE 11 FACP. PROVIDE NEW INITIATING DEVICES AS SHOWN ON FLOOR PLAN DRAWINGS.

ALL WIRING TO BE CLASS B.

THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM THE BUILDING OWNER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER THE TIMING OF ANY FIRE ALARM SYSTEM DEMOLITION WORK.

SEQUENCE OF OPERATION

	SMOKE DETECTION	DUCT SMOKE DETECTION	SYSTEM TROUBLE	IMAGING SMOKE DETECTION	DUCT SMOKE DETECTION NUTRITION SERVICES	FSD INCORRECT POSITION	KITCHEN HOOD
ACTIVATION OF LOCAL ALARM AT FACP (LCD DISP. & AUDIBLE INDICATION)	X			X			X
ACTIVATE AUDIBLE/VISIBLE DEVICES	X			X			X
ACTIVATE LOCAL FAN SHUTDOWN	X	X		X	X		X
RELEASE DOOR HOLDERS	X			X			X
TRANSMIT ALARM SIGNAL TO CENTRAL STATION MONITOR VIA MAIN FACP	X			X			X
TROUBLE INDICATION AT FACP			X			X	
TROUBLE INDICATION AT ANNUNCIATOR			X			X	
TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION MONITOR VIA MAIN FACP			X			X	
SUPPRESSION RELEASE				X			
CLOSE FSD - NUTRITION SERVICES SHUTDOWN AHU-1 SUPPY/EXHAUST(M4-121/122)					X		
SUPERVISORY INDICATION AT FACP		X			X		
SUPERVISORY INDICATION AT ANNUNCIATOR		X			X		
TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION MONITOR VIA MAIN FACP		X			X		

APPLICABLE CODES & STANDARDS

2019 NATIONAL FIRE ALARM CODE (NFPA 72)
2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL MECHANICAL CODE
2023 NATIONAL ELECTRICAL CODE
2021 INTERNATIONAL FIRE CODE
ICC/ANSI A117.1-2009 ACCESSIBILITY W/ WAC 51-50-1101.2

OCCUPANCY TYPE(S):
I-2 INSTITUTIONAL GROUP
B BUSINESS GROUP

SPRINKLER PROTECTION:
BUILDING IS FULLY SPRINKLERED

(33)

WIRE CODE

ALL WIRING TO MEET CURRENT NATIONAL ELECTRIC CODE ARTICLE 760, 300, 310, 370, 725 AND ALL RELATED SECTION CODE REQUIREMENTS

LETTER	QTY	COLOR/TYPE	SIZE	FUNCTION
A	2	ORANGE/BLACK THHN	16	ZONE
C	2	RED/BLUE THHN	14	STROBE
D	4	RED/BLUE THHN	14	STROBE LOOP
E	2	BROWN/YEL THHN	14	DOOR HOLDER
F	2	ORANGE/BLUE THHN	14	FAN SHUTDOWN
J	1	TW/SHLD. PAIR	14	SPEAKER
K	2	TW/SHLD. PAIR	14	SPEAKER LOOP
M	2	WESTPENN D975	18	TRANSPONDER COMM.
	2	TW/SHLD. PAIR	14	AUDIO RISER
	2	RED/BLACK THHN	14	
P	2	RED/BLACK THHN	14	24VDC POWER
R	4	BLUE/WHITE THHN	16	REMOTE LED w/ TEST
S	2	RED/BLUE THHN	16	SUP. RELEASING CIRCUIT
X	1	WEST PENN D975	18	ADDR. MAPNET DATA LINE

NOTES:
TAG AND IDENTIFY ALL SIGNAL CIRCUIT WIRES WITH SIGNAL CIRCUIT NUMBER.

ELECTRICAL CONTRACTOR ASBUILTS

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOHNSON CONTROLS WITH ACCURATE REDLINED DRAWINGS. DRAWINGS SHALL BE REDLINED AS NECESSARY TO SHOW THE FOLLOWING:
  - * DEVICE LOCATIONS - ADDS/DELETES.
  - * CIRCUIT NUMBERS - ADDRESSABLE/SIGNAL/AUXILIARY/ZONE.
  - * WIRE/CONDUIT - ACCURATE ROUTING.
  - * WIRE FILL - USING WIRE CODE.
  - * EOL RESISTOR LOCATIONS.

JOHNSON CONTROLS WILL PROVIDE (UPON REQUEST) A BLANK SET OF FLOOR PLANS TO BE REDLINED. JOHNSON CONTROLS WILL INCORPORATE ALL REDLINED CHANGES INTO THE RECORD AUTOCAD SET OF DRAWINGS.

ELECTRICAL CONTRACTOR

- ELECTRICAL CONTRACTOR IS TO SCHEDULE A PRELIMINARY SITE MEETING WITH A JOHNSON CONTROLS TECHNICAL REPRESENTATIVE. THESE MEETINGS ARE FOR REVIEWING EQUIPMENT LISTS, INSTALLATION PROCEDURES, AND PROVIDING ANSWERS TO QUESTIONS RELATIVE TO SYSTEM INSTALLATION.
- PLEASE ALLOW A MINIMUM OF FIVE WORKING DAYS ADVANCE NOTICE TO SCHEDULE A TECHNICAL REPRESENTATIVE.
- TO SCHEDULE A MEETING PLEASE CONTACT OUR SERVICE DEPARTMENT AT (206) 777-4860.
- DO NOT USE FIRE ALARM CABINET AS TERMINAL CABINET

NOTES:

- FIRE ALARM DRAWINGS ARE SCHEMATIC ONLY.
- ALL CABLE SUBSTITUTIONS MUST BE APPROVED BY JOHNSON CONTROLS ENGINEERING IN WRITING.
- NOTE: MOUNT HORN/STROBES, SPEAKER/STROBES AND STROBES AT 80" TO BOTTOM OF DEVICE.
- NOTE: MOUNT PULL STATIONS AT 48" TO TOP OF DEVICE.
- ALL SHIELDS ON THE SAME IDNET CHANNEL OR SPEAKER CIRCUIT SHOULD BE TAPED TOGETHER AND BE FREE OF OPENS, SHORTS, AND GROUNDS.
- DO NOT EXCEED 2500 FT OUT TO FURTHEST DEVICE MAXIMUM 10,000 FT ON MAPNET CHANNEL.
- DRY CONTACT ONLY PROVIDED FOR DOOR HOLDERS, ROLL DOORS AND SMOKE/FIRE DAMPERS - POWER BY OTHERS.
- DUCT DETECTORS ARE NOT WEATHERPROOF. EC IS RESPONSIBLE FOR PROTECTING FROM ENVIRONMENTAL CONDITIONS (TEMPERATURE, MOISTURE, ETC.)

LEGEND

SYMBOL	DESCRIPTION	MODEL #	BACKBOX#
F 15cd	SPEAKER/STROBE 15cd * SUBSCRIPT INDICATES CIRCUIT #	4903-9356	4" SQ 2 1/8" DEEP W/ 1.5" EXT BY EC
FM	SPEAKER/STROBE 75cd * SUBSCRIPT INDICATES CIRCUIT #	4903-9357	4" SQ 2 1/8" DEEP W/ 1.5" EXT BY EC
FX MXXcd	SPEAKER/STROBE MULTICANDELA * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4906-9151	4" SQ 2 1/8" DEEP W/ 1.5" EXT BY EC
FA MXXcd	SPEAKER/STROBE 30cd * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4903-9197	4" SQ 2 1/4" DEEP W/ 1.5" EXT BY EC
T 15cd	STROBE 15cd * SUBSCRIPT INDICATES CIRCUIT #	4904-9331	4" SQ 1 1/2" DEEP BY EC
T 75cd	STROBE 75cd * SUBSCRIPT INDICATES CIRCUIT #	4904-9332	4" SQ 1 1/2" DEEP BY EC
T 110cd	STROBE 110cd * SUBSCRIPT INDICATES CIRCUIT #	4904-9333	4" SQ 1 1/2" DEEP BY EC
MXXcd	STROBE MULTICANDELA * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4906-9101	4" SQ BY EC
FT	SPEAKER/STROBE MULTICANDELA * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4906-9153	4" SQ 2 1/8" DEEP W/ 1.5" EXT BY EC
C	CEILING SPEAKER/STROBE * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4906-9154	4" SQ 2 1/8" DEEP W/ 1.5" EXT BY EC
C WP	WEATHERPROOF SPEAKER/STROBE * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	ET70WP-2475W-FW	IOB BY JCI
C WP	WEATHERPROOF SPEAKER/STROBE * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	EL4XSPST-FW	EL4XBB SURFACE MOUNT
MXXcd	CEILING STROBE, WHITE, MC * SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4906-9104	SG BY EC
S	CEILING SPEAKER * SUBSCRIPT INDICATES CIRCUIT #	4902-9721	4" SQ 2 1/2" DEEP W/ 1.5" EXT BY EC
S	EXISTING SOLENOID	EXISTING	EXISTING
FS	EXISTING WATERFLOW SWITCH	EXISTING	EXISTING
TS	EXISTING TAMPER SWITCH	EXISTING	EXISTING
AS	EXISTING LOW AIR SWITCH	EXISTING	EXISTING
MS	MAINTENANCE DISCONNECT SWITCH	2080-9060	2-GANG 2 3/4" DEEP BY EC
CM	COIL SUPERVISION MODULE	2081-9046	SOLENOID J-BOX
SC	SYNC CUBE	4905-9914	4" SQ 1 1/2" DEEP BY EC
SYN	SMART SYNC CONTROL MODULE	4905-9938	4" SQ 2 1/8" DEEP W/ 1.5" EXT BY EC
AM 1-1	ADAPTER MODULE	4905-9815 W/ 4905-9818 COVER	4-11/16 SQ BOX BY EC 4905-9817 TRIM PLATE BY JCI
F 1-1	ADDRESSABLE MANUAL STATION * SUBSCRIPT INDICATES MAPNET#	4099-9001	4" SQ W/SG BY EC
FT 1-1	ADDRESSABLE MANUAL STATION * SUBSCRIPT INDICATES MAPNET#	4099-9004	4" SQ W/SG BY EC
S 1-1	SMOKE SENSOR AND BASE * SUBSCRIPT INDICATES MAPNET#	4098-9714 SENSOR 4098-9792 BASE	4" OCT BY EC
H 1-1	HEAT SENSOR AND BASE * SUBSCRIPT INDICATES MAPNET#	4098-9733 SENSOR 4098-9792 BASE	4" OCT BY EC
D 1-1	DUCT DETECTOR * SUBSCRIPT INDICATES MAPNET# * SUBSCRIPT INDICATES SAMPLE TUBE LENGTH	4098-9756	SELF-CONTAINED
ID 1-1	IN-DUCT DETECTOR * SUBSCRIPT INDICATES MAPNET# * SUBSCRIPT INDICATES DUCT ADAPTER	4098-9751 W/ 4098-9714 SENSOR	SELF-CONTAINED
	REMOTE LED w/ TEST	2098-9806	SG BY EC
XAD 1-1	XAD DUCT SENSOR * SUBSCRIPT INDICATES DEVICE ADDRESS	4098-XAD-110 W/ ACCESSORIES(SEE DATASHEET)	12.625"H X 10.1875"W X 6.5"D
DR	DUCT DETECTOR RELAY	4098-9843	4" SQ 2 1/8" DEEP W/ COVER BY EC
R	REMOTE RELAY	2088-9010	SELF-CONTAINED
MR	MR 101/C RELAY	2088-9008	SELF-CONTAINED
SM	ADDRESSABLE SIGNAL IAM	4090-9007	4" SQ 2 1/8" DEEP BY EC
DR	DUAL CONTACT RELAY IAM	4090-9008	4" SQ 2 1/8" DEEP BY EC
RI	RELAY IAM	4090-9002	4" SQ 2 1/8" DEEP BY EC
D	SMOKE/FIRE DAMPER	BY OTHERS	BY OTHERS
CZ 1-1	CONTROL ZAM * SUBSCRIPT INDICATES MAPNET#	2190-9163	4" SQ 2 1/2" DEEP W/ 1.5" EXT BY EC
SZ 1-1	SIGNAL ZAM * SUBSCRIPT INDICATES MAPNET#	2190-9161	4 11/16" BY 2 1/8" DEEP EXT BY EC
DH	DOOR HOLDER	2088-9608	SG BY EC
J	J-BOX	PROVIDED BY EC	
SM	SYNCH MODULE	4905-9938	4" SQ 2 1/8" DEEP BY EC
J-BOX	J-BOX	PROVIDED BY EC	BY EC
MPLEX	MINIPLEX TRANSPONDER	4100	52.125"H X 25.75"W X 6.75"D
TPR	4100U TRANSPONDER	4100-9600	56"H X 24"W X 8.375"D
APWR	ALTRONIC PWR SUPPLY	AL1024ULACMCBJ	BY OTHERS
AES	AES RADIO	7788F-ULP	BY OTHERS
IAM	SUPERVISED IAM	4090-9001	SG 2 1/2" DEEP BY EC
NAC#	NAC PANEL	4009-9201	13.5"H x 16.5"W x 3"D
FACP	FIRE ALARM CONTROL PANEL	4100-9111	EXISTING

MONITORING COMPANY

NORTHWEST AMS
1-877-870-0910

SERVICE COMPANY

SUTHERLAND SECURITY
3991 TANWAX CT. E.
EATONVILLE, WA. 98328

Johnson Controls
12781 Gateway Drive South
Tukwila, WA 98168
SALES: 206-291-1400
SERVICE: 206-291-1400

REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
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BODY HOLDING RENOVATION REC DWG	SSS		650107116
PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

NO.	DATE
	7/1/22
31	7/26/22
	11/15/22
32	8/21/25
33	9/9/25
34	2/17/26

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

City of Puyallup
Building Division
Approved
Approved as Noted
Not Approved
Date: 3/9/26

FIRE ALARM SYSTEM COVER SHEET

GOOD SAMARITAN HOSPITAL EAST/NORTH WING
400 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6-21-2001
SITE NUMBER: 459
SHEET NUMBER: FA-COV-02

ELECTRONIC DRAWING NAME: FA-COV

24" x 36"

BATTERY CALCULATIONS - NAC Panels

Does the system have an Emergency Generator that meets NEC 700.01?
___yes X no

How many hours of battery standby are required?
___4 X 24 ___48 ___60 (4 hours minimum w/ Emergency Generators)

Qty	Part #	Description	Standby Current (A)	Total Standby (A)	Alarm Current (A)	Total Alarm (A)
1	4009-9201	NAC Panel	0.0850	0.0850	0.1250	0.1250
1		Maximum Audible/Visible Device Load	0.0000	0.0000	8.0000	8.0000
				0.0000		0.0000
			Total Standby=	0.0850	Total Alarm=	8.1250
					Time (Hrs)	
		Total Standby Current Required=	0.0850	X	24.0000	2.0400
		Total Alarm Current Required=	8.1250	X	0.2500	2.0313
		Total=				4.0713
		20% Depletion Factor=				0.8143
		Total Amp/Hour Required=				4.8855
		Total Amp/Hour Batteries Provided=			(1) set	6.2000

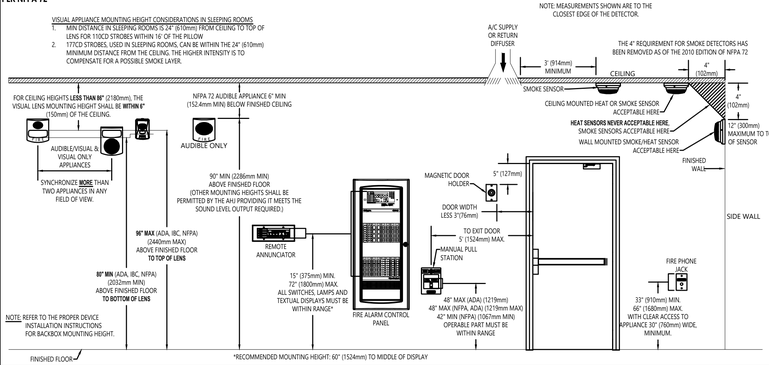
	Speaker/Strobe 15cd	Speaker/Strobe 30cd	Speaker/Strobe 75cd	Speaker/Strobe 110cd	Strobe 15cd	Ceiling Speaker/Strobe 15cd	Ceiling Speaker/Strobe 30cd	Ceiling Speaker/Strobe 75cd	Ceiling Speaker/Strobe 110cd	Ceiling Strobe 15cd	Ceiling Strobe 30cd	Ceiling Strobe 75cd	Ceiling Strobe 110cd	WP Speaker/Strobe (EIWHP)	Adapter Module	
	0.060	0.094	0.186	0.252	0.060	0.075	0.163	0.233	0.316	0.075	0.125	0.233	0.316	0.138	0.250	2.000

Signal Circuits - NAC#2

| | | | | |

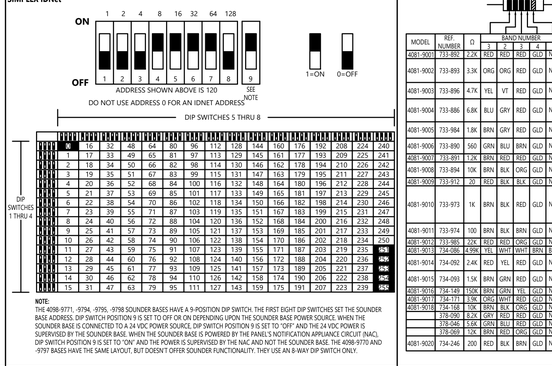
DEVICE MOUNTING HEIGHT REFERENCE

PER NFPA 72



DIP SWITCH SETTINGS - INITIATING

SIMPLEX IDNet



NOTE:
THE 4098-9771, -9794, -9795, -9798 SOUNDER BASES HAVE A 9-POSITION DIP SWITCH. THE FIRST EIGHT DIP SWITCHES SET THE SOUNDER BASE ADDRESS. DIP SWITCH POSITION 9 IS SET TO OFF OR ON DEPENDING UPON THE SOUNDER BASE POWER SOURCE. WHEN THE SOUNDER BASE IS CONNECTED TO A 24 VDC POWER SOURCE, DIP SWITCH POSITION 9 IS SET TO "OFF" AND THE 24 VDC POWER IS SUPERVISED BY THE SOUNDER BASE. WHEN THE SOUNDER BASE IS POWERED BY THE PANEL'S NOTIFICATION APPLIANCE CIRCUIT (NAC), DIP SWITCH POSITION 9 IS SET TO "ON" AND THE POWER IS SUPERVISED BY THE NAC AND NOT THE SOUNDER BASE. THE 4098-9770 AND -9797 BASES HAVE THE SAME LAYOUT, BUT DOESN'T OFFER SOUNDER FUNCTIONALITY. THEY USE AN 8-WAY DIP SWITCH ONLY.

END OF LINE RESISTOR CODES

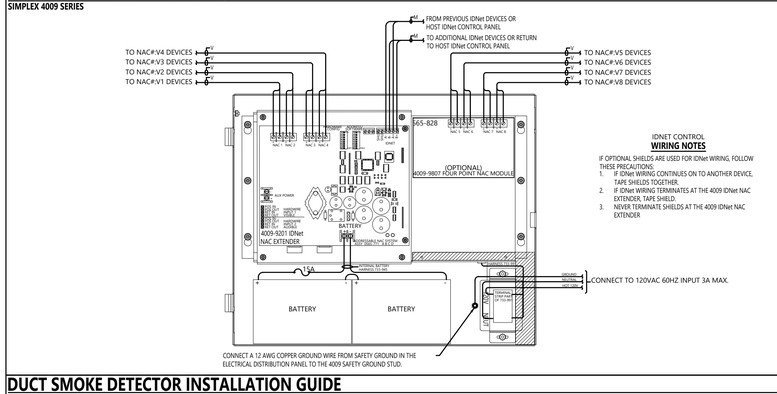
NOTE: REFER TO PANEL/MODULE AND DEVICE INSTALLATION INSTRUCTIONS FOR PROPER TERMINATIONS.

MODEL	REF NUMBER	Ω	BAND NUMBER 1	2	3	4	5	WATTS	CIRCUIT TYPE	FIRE ALARM PANEL/MODULE
4081-9001	733-892	2.2K	RED	RED	RED	GLD	N/A	1/2	ANNUNCIATOR (4500)	4004, 4010 (TROUBLE)
4081-9002	733-893	3.3K	ORG	ORG	RED	GLD	N/A	1	N.O. INITIATING PULL, SMOKE, HEAT, WATERFLOW, TAMPER, ETC. 24 PT. I/O SWITCH SUPV.	2004, 2006, 4004*, 4004R, 4005*, 4006, 4100, 4120, 4100U, ZAMs 4605-7407, 4100 SERIES
4081-9003	733-896	4.7K	YEL	VT	RED	GLD	N/A	1/2	CURRENT LIMITED N.O. INIT. NOTIFICATION (DACT)	4090 IDNET IAM (ECLIS) 2080-9024
4081-9004	733-886	6.8K	BLU	GRY	RED	GLD	N/A	1/2	N/O INITIATING PULL, SMOKE, HEAT, W.F.FLOW, TAMPER, ETC.	4004, 4005, 4090-9001 IDNET IAM 2190-9173 MAPNET II 2 PT I/O 4-20MA ZAM (TROUBLE)
4081-9005	733-984	1.8K	BRN	GRY	RED	GLD	N/A	1/2	CURRENT LIMITED N.O. INITIATING (INLINE)	4090-9001 IDNET IAM
4081-9006	733-890	560	GRN	BLU	BRN	GLD	N/A	1	N.C. INITIATING (ECLIS)	4005*, 4090-9001 IDNET IAM 4100, 4100U
4081-9007	733-891	1.2K	BRN	RED	RED	GLD	N/A	1	N.C. INITIATING (ECLIS)	4005
4081-9008	733-894	10K	BRN	BLK	ORG	GLD	N/A	1/2	NOTIFICATION	4004, 4005, 4006, 4008, 4009, 4010, 4100, 4100U
4081-9009	733-912	20	RED	BLK	BLK	GLD	N/A	1	TO MR-101 RELAY COIL	4005 8 POINT I/O
4081-9010	733-973	1K	BRN	BLK	RED	GLD	N/A	1	N.C. INIT. (ACROSS CONTACTS) 24 PT. I/O (ACROSS CONTACTS) CURRENT LIMITED N.O. INIT. (IN SERIES WITH CONTACT)	4005*, 4090-9001 IDNET IAM 4605-7401, 4100 SERIES 2090, 2250, 4006, 4008, 4010, 4090-5258 MX IAM
4081-9011	733-974	100	BRN	BLK	BRN	GLD	N/A	1/2	ANNUNCIATOR PAD, IAM SUPERVISION	4090-9001 IDNET IAM
4081-9012	733-985	22K	RED	RED	ORG	GLD	N/A	1/2	SPEAKER CIRCUIT	4003
4081-9013	734-086	4.99K	YEL	WHT	WHT	BRN	BRN	1/2		
4081-9014	734-092	2.4K	RED	YEL	RED	GLD	N/A	1/2	N.C. INITIATING (SECURITY MONITORING (DLR)	4090-9001 IDNET IAM
4081-9015	734-093	1.5K	BRN	GRN	RED	GLD	N/A	1/2	CURRENT LIMITED N.O. INIT. (SECURITY MONITORING (DLR)	4090-9001 IDNET IAM
4081-9016	734-149	150K	BRN	GRN	YEL	GLD	N/A	1/2		
4081-9017	734-171	51K	ORG	WHT	RED	GLD	N/A	1		
4081-9018	734-168	10K	BRN	BLK	ORG	GLD	N/A	1/2	70VRMS CONSTANT SUPV. NAC	4100-1260
	378-090	8.2K	GRY	RED	RED	GLD	N/A	1/2	SECURITY MONITORING (DLR)	4100, 4100U
	378-046	5.6K	GRN	BLU	RED	GLD	N/A	1/2	N.O. SECURITY MON. (SERIES)	4100, 4100U
	378-069	12K	BRN	RED	ORG	GLD	N/A	1/2	N.C. SECURITY MON. (SHUNT)	4100, 4100U
4081-9020	734-246	200	RED	BLK	BRN	GLD	N/A	1/2	N.O. OR N.C. CONTACT SUPERVISION	4090-5258 MX IAM

* USE WITH RETROFIT OR HIGH CURRENT MODULE

NAC EXTENDER PANEL WIRING

SIMPLEX 4009 SERIES

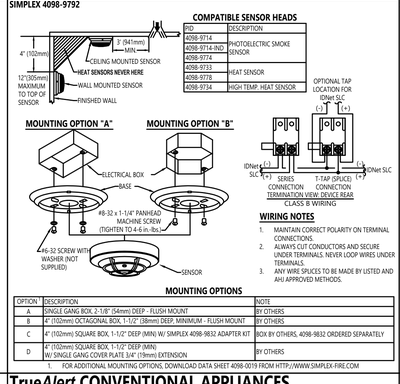


IDNET CONTROL WIRING NOTES

IF OPTIONAL SHIELDS ARE USED FOR IDNet WIRING, FOLLOW THESE PRECAUTIONS:
1. IF IDNet WIRING CONTINUES ON TO ANOTHER DEVICE, TAPE SHIELDS TOGETHER.
2. IF IDNet WIRING TERMINATES AT THE 4009 IDNet NAC EXTENDER, TAPE SHIELD.
3. NEVER TERMINATE SHIELDS AT THE 4009 IDNet NAC EXTENDER

STANDARD SENSOR BASE

SIMPLEX 4098-9792



COMPATIBLE SENSOR HEADS

PID	DESCRIPTION
4098-9714	PHOTOELECTRIC SMOKE SENSOR
4098-9714-IND	
4098-9774	
4098-9733	HEAT SENSOR
4098-9778	
4098-9734	HIGH TEMP. HEAT SENSOR

MOUNTING OPTION "A"

MOUNTING OPTION "B"

OPTIONAL TAP LOCATION FOR IDNet SLC

WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

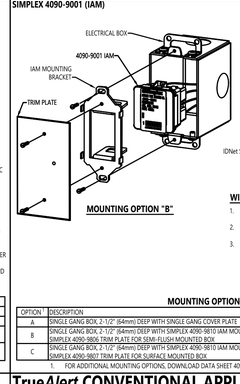
MOUNTING OPTIONS

OPTION[1]	DESCRIPTION	NOTE
A	SINGLE GANG BOX, 2-1/8" (54mm) DEEP - FLUSH MOUNT	BY OTHERS
B	4" (102mm) OCTAGONAL BOX, 1-1/2" (38mm) DEEP, MINIMUM - FLUSH MOUNT	BY OTHERS
C	4" (102mm) SQUARE BOX, 1-1/2" DEEP (MIN) W/ SIMPLEX 4098-9832 ADAPTER KIT	BOX BY OTHERS, 4098-9832 ORDERED SEPARATELY
D	4" (102mm) SQUARE BOX, 1-1/2" DEEP (MIN) W/ SINGLE GANG COVER PLATE 3/4" (19mm) EXTENSION	BY OTHERS

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4098-0019 FROM HTTP://WWW.SIMPLEX-FIRE.COM

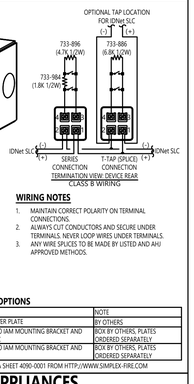
ADDRESSABLE INPUT MODULE

SIMPLEX 4090-9001 (IAM)



MOUNTING OPTION "B"

OPTIONAL TAP LOCATION FOR IDNet SLC



WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

MOUNTING OPTIONS

OPTION[1]	DESCRIPTION	NOTE
A	SINGLE GANG BOX, 2-1/2" (64mm) DEEP WITH SINGLE GANG COVER PLATE	BY OTHERS
B	SINGLE GANG BOX, 2-1/2" (64mm) DEEP WITH SIMPLEX 4090-9810 IAM MOUNTING BRACKET AND SIMPLEX 4090-9806 TRIM PLATE FOR SEMI-FLUSH MOUNTED BOX	BOX BY OTHERS, PLATES ORDERED SEPARATELY
C	SINGLE GANG BOX, 2-1/2" (64mm) DEEP WITH SIMPLEX 4090-9810 IAM MOUNTING BRACKET AND SIMPLEX 4090-9807 TRIM PLATE FOR SURFACE MOUNTED BOX	BOX BY OTHERS, PLATES ORDERED SEPARATELY

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4090-0001 FROM HTTP://WWW.SIMPLEX-FIRE.COM

DUCT SMOKE DETECTOR INSTALLATION GUIDE

PRE-INSTALLATION ROUTINES

DUCT DETECTORS/SENSORS SHOULD BE INSTALLED IN A LOCATION OF RELATIVELY NON-TURBULENT AIR FLOW AND WITHIN THE INTENDED OPERATING VELOCITY RANGE OF 300-4000 FEET-PER-MINUTE (91 TO 1220 M/MIN.)

MEASUREMENTS OF AIR FLOW AND EXAMINATION OF ENGINEERING SPECIFICATIONS THAT DEFINE EXPECTED DUCT AIR VELOCITIES UNDER ALL CONDITIONS IS RECOMMENDED. THIS IS DONE TO DETERMINE IF A LOCATION IS SUITABLE FOR DUCT DETECTOR/SENSOR OPERATION. AN ALNOR INSTRUMENT CO. (CHICAGO) MODEL 6000P VELOMETER OR EQUIVALENT (NOT SUPPLIED) MAY BE USED TO CHECK THE DUCT AIR VELOCITY.

INSTALLATION GUIDELINES

1. LOCATE DUCT HOUSINGS SO THAT DAMPERS DO NOT RESTRICT AIR FLOW AT THE DETECTOR/SENSOR LOCATION. SEE FIGURE 1.
2. LOCATE AIR DUCT DETECTORS/SENSORS ON THE RETURN OR SUPPLY DUCT OF THE EQUIPMENT'S AIR HANDLING SYSTEM. HOWEVER, DETECTORS/SENSORS SHOULD NOT BE INSTALLED IN THE RETURN AIR DAMPER BRANCH. SEE FIGURE 1.
3. LOCATE AIR DUCT DETECTORS/SENSORS ON BRANCH LINES IF CLOSE IDENTIFICATION OF THE ALARM SOURCE IS REQUIRED.
4. LOCATE AIR DUCT DETECTORS/SENSORS ON THE DOWNSTREAM SIDE OF FILTERS TO SENSE FIRE IN FILTERS. HOWEVER, SHOULD THE FILTERS BLOCK, SUFFICIENT AIR FLOW MAY NOT BE AVAILABLE FOR PROPER AIR DUCT DETECTOR/SENSOR OPERATION. SEE FIGURE 1.
5. WHENEVER POSSIBLE, LOCATE AIR DUCT DETECTORS/SENSORS WHERE THEY CAN BE CONVENIENTLY OBSERVED AND READILY SERVICED.
6. LOCATE THE AIR DUCT DETECTORS/SENSORS IN RETURN AIR DUCTS AHEAD OF MIXING AREAS.
7. DO NOT LOCATE AIR DUCT DETECTORS/SENSORS NEXT TO OUTSIDE AIR INLETS UNLESS YOU WANT TO MONITOR SMOKE ENTRY TO THE HANDLING SYSTEM FROM AN ADJACENT AREA.
8. LOCATE AIR DUCT DETECTORS/SENSORS UPSTREAM OF AIR HUMIDIFIERS AND COOLING COILS.
9. DO NOT INSTALL THE DUCT DETECTOR HOUSING OR DUCT TUBES IN LOCATIONS THAT EXCEED THE LISTED TEMPERATURE RATINGS FOR THE DEVICE.
10. DO NOT MOUNT THE DUCT HOUSING ON BOTTOM OF DUCT.

DUCT DETECTOR/SENSOR INSTALLATION

1. TAPE THE TEMPLATE (SUPPLIED) ON THE DUCT SURFACE. DO NOT POSITION THE TEMPLATE WITH EDGES ANGLED WITH RESPECT TO AIR FLOW DIRECTION. SEE FIGURE 2.
2. DRILL TWO 1 1/4 INCH (31.75 MM) HOLES (MARKED "A") AS LOCATED BY THE TEMPLATE. REMOVE TEMPLATE AFTER HOLES HAVE BEEN DRILLED.
3. IF THE DUCT IS MORE THAN 3 FEET (0.9 M) WIDE, THEN PUNCH A 1-INCH (25.4 MM) HOLE IN THE DUCT WALL DIRECTLY OPPOSITE THE UPSTREAM 1-1/4 INCH (31.75 MM) HOLE. SEE FIGURE 3. THIS HOLE IS USED TO SUPPORT THE INLET TUBE.
4. INLET TUBES SHOULD BE SELECTED AND CUT TO LENGTH AS SPECIFIED IN TABLE 1. AFTER TRIMMING THE INLET TUBE OPPOSITE THE SLOT, TAP RUBBER PLUG (SUPPLIED) INTO THE TRIMMED END. SEE FIGURE 3.

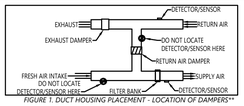


FIGURE 1. DUCT HOUSING PLACEMENT - LOCATION OF DAMPERS**

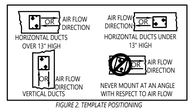


FIGURE 2. TEMPLATE POSITIONING

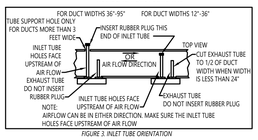


FIGURE 3. INLET TUBE ORIENTATION

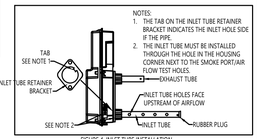


FIGURE 4. INLET TUBE INSTALLATION

INLET TUBE SELECTION

OVERALL DUCT WIDTH	TUBE REQUIRED	TUBE TYPE	SUGGESTED TOTAL LENGTH
12" (30cm)	4098-9854	13" (33.02cm)	1/2" (1.27cm) LONGER THAN DUCT WIDTH
13" (33.02cm) TO 23" (58cm)	4098-9855	24" (60.96cm)	1/2" (1.27cm) LONGER THAN DUCT WIDTH
24" (60cm) TO 40" (116cm)	4098-9856	49" (125.46cm)	9" (5.8cm) LONGER THAN DUCT WIDTH
46" (116cm) TO 71" (180cm)	4098-9857	73" (185cm)	2" (5.8cm) LONGER THAN DUCT WIDTH
71" (180cm) TO 95" (240cm)	4098-9858	97" (245cm)	1" (5.8CM) LONGER THAN DUCT WIDTH

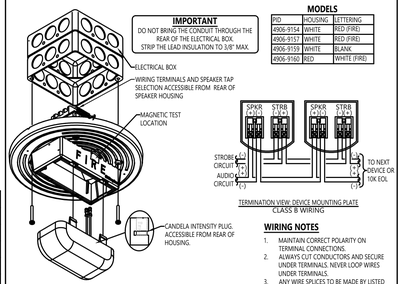
TABLE 1. INLET TUBE SELECTION

* REFER TO INSTALLATION INSTRUCTION DOCUMENT 574-776 FOR MORE DETAILED INFORMATION.

** WHEN PROVIDING CONTROL FOR A SMOKE DAMPER INSTALLED WITHIN AN AIR TRANSFER OPENING IN A WALL, THE DUCT DETECTOR SHALL BE INSTALLED WITHIN 5 FEET HORIZONTALLY OF THE DAMPER.

TrueAlert CONVENTIONAL APPLIANCES

SIMPLEX 4906 SERIES CEILING MOUNTED SPEAKER / VISUAL



MODELS

PID	HOUSING	LETTERING
4906-9154	WHITE	RED (FIRE)
4906-9157	WHITE	RED (FIRE)
4906-9159	WHITE	BLANK
4906-9160	RED	WHITE (FIRE)

MOUNTING OPTION "A"

MOUNTING OPTIONS

OPTION[1]	DESCRIPTION	NOTE
A	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, WITH 1-1/2" (38mm) EXTENSION RING - FLUSH MOUNTING	BY OTHERS

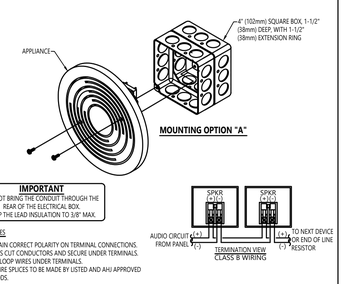
1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4906-0003 FROM HTTP://WWW.SIMPLEX-FIRE.COM

WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.

TrueAlert CONVENTIONAL APPLIANCES

SIMPLEX 4902-9721 WALL/CEILING MOUNTED SPEAKER



MOUNTING OPTIONS

OPTION[1]	DESCRIPTION	NOTE
A	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, WITH 1-1/2" (38mm) EXTENSION RING - FLUSH MOUNTING	BY OTHERS

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4902-0003 FROM HTTP://WWW.SIMPLEX-FIRE.COM

CONVENTIONAL NOTIFICATION APPLIANCES

WHEELOCK ELUXA TYPE 4X WEATHERPROOF WALL/CEILING MOUNT SPEAKERS & SPEAKER/STROBES

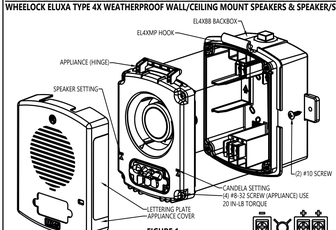


FIGURE 1

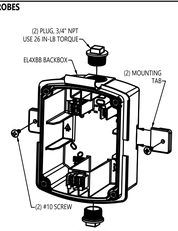
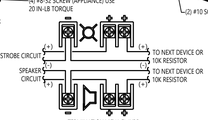


FIGURE 2

WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON TERMINAL CONNECTIONS.
2. ALWAYS CUT CONDUCTORS AND SECURE UNDER TERMINALS. NEVER LOOP WIRES UNDER TERMINALS.
3. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS.



INSTALLATION INSTRUCTIONS

IMPORTANT: DO NOT FULLY BACK OUT TERMINAL SCREWS. DO NOT OVER TIGHTEN SCREWS OR TERMINALS. EXCESSIVE TORQUE MAY AFFECT OPERATION. WHEN USING POWER TOOLS, ENSURE THE TORQUE IS SET TO THE LOWEST SETTING AVAILABLE.

1. PRELIMINARY INFO. USE EX90B FOR SURFACE MOUNT. SCREWS ARE PROVIDED FOR INSTALLATION. CONDUIT ENTRANCES TO THE BACKBOX SHOULD BE SELECTED TO PROVIDE SUFFICIENT WIRING CLEARANCE FOR THE INSTALLED PRODUCT. DO NOT PASS ADDITIONAL WIRED (USED FOR OTHER THAN THE SIGNALING APPLIANCE) THROUGH THE BACKBOX. SUCH ADDITIONAL WIRES COULD RESULT IN INSUFFICIENT WIRING SPACE FOR THE SIGNALING APPLIANCE.
2. INSTALL THE EL4XBB BACKBOX - TWO EXTERNAL MOUNTING TABS MUST BE USED ALONG WITH TWO #10 SCREWS (PROVIDED) SEE FIGURE 2. MOUNTING HOLE SPACING IS 5-9/16". CONDUIT FITTINGS MUST BE RATED TYPE 4X/IP66 AND UL CERTIFIED. INSTALLER MUST ENSURE GROUND CONTINUITY WHEN METALLIC CONDUIT IS USED. TEFLON TAPE MUST BE USED ON ALL CONDUIT FITTINGS. 3/4" NPT PLUGS MUST BE INSTALLED USING TEFLON TAPE AND O-RING (PROVIDED). SECURE NPT PLUG WITH 26 IN-LB TORQUE.
3. PRE-WIRE: CONNECT FIELD WIRES TO TERMINALS ON EL4XMP. USE CARE AND PROPER TECHNIQUES TO POSITION THE FIELD WIRES IN THE BACKBOX SO THAT THEY USE MINIMUM SPACE AND PRODUCE MINIMUM STRESS ON THE PRODUCT. THIS IS ESPECIALLY IMPORTANT FOR STIFF, HEAVY GAUGE WIRES AND WIRES WITH THICK INSULATION OR SHEATHING. WHEN TERMINATING FIELD WIRES, DO NOT USE MORE LEAD LENGTH THAN REQUIRED. EXCESS LEAD LENGTH COULD RESULT IN INSUFFICIENT WIRING SPACE FOR THE SIGNALING APPLIANCE.
4. PRE-TEST: EL4XBB CONTAINS A SHUNT BETWEEN ADJACENT "-" TERMINALS TO FACILITATE TESTING BEFORE DEVICE IS ATTACHED. NOTE: SHUNT WILL OPEN PERMANENTLY WHEN DEVICE IS INSTALLED.
5. VERIFY APPLIANCE SETTINGS ARE CORRECT FOR THE APPLICATION. SETTINGS ARE SHOWN IN THE INSTALLATION DIAGRAM.
6. PLACE THE APPLIANCE "HINGE" OVER THE "HOOK" ON THE EL4XBB. VERIFY THE APPLIANCE IS ALIGNED TO THE EL4XBB THEN SECURE WITH FOUR #6-32 SCREWS ATTACHED TO APPLIANCE WITH 20 IN-LB TORQUE. VERIFY THE GASKET IS SEATED CORRECTLY AND NOT "PINCHED".
7. ALIGN GRILLE WITH LETTERING PLATES TO THE APPLIANCE AND SNAP IN PLACE. (NOTE: INSERT LETTER PLATES WITH "T" TAB DOWN ON STROBE/LOGO SIDE.
8. RECOMMEND APPLYING OUTDOOR-RATED SILICONE TO ALL OUTDOOR TYPE 4X INSTALLATIONS.

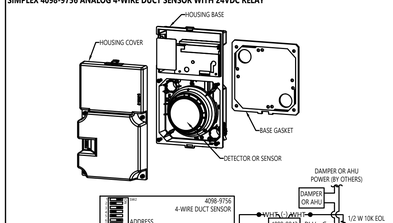
MOUNTING OPTIONS

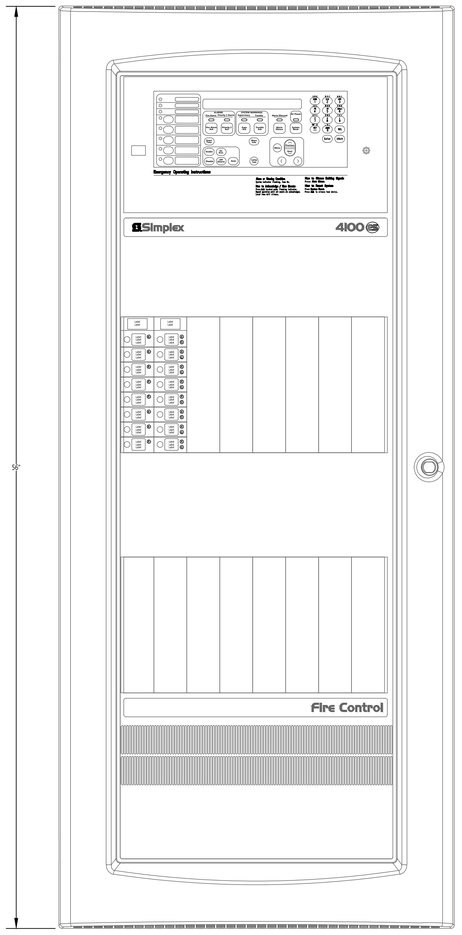
OPTION[1]	DESCRIPTION	NOTE
A	EL4XBB - SURFACE MOUNT NEMA 4X BACKBOX	INCLUDED

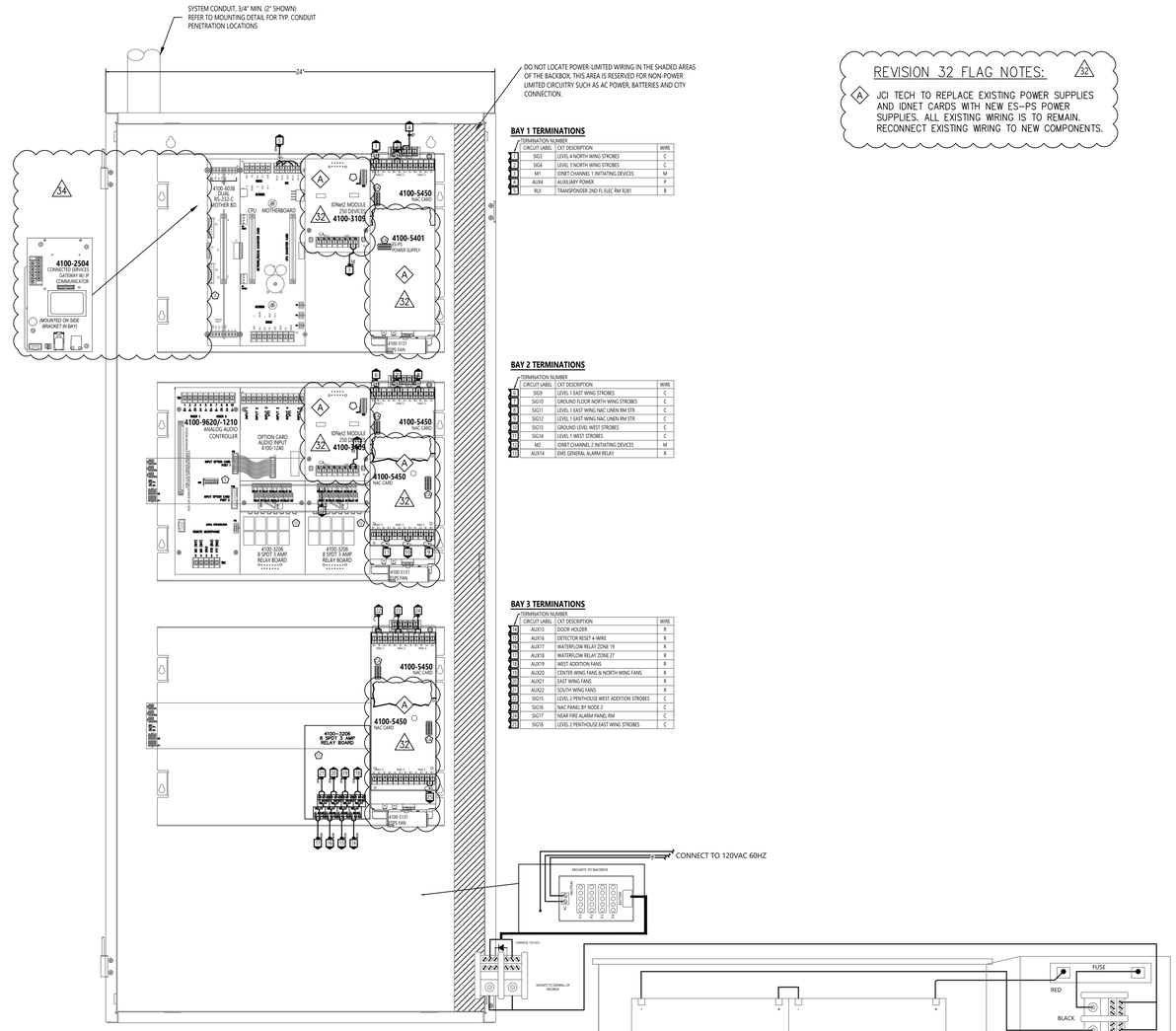
1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET P85827 FROM HTTP://EATON.COM

DUCT SMOKE DETECTOR

SIMPLEX 4098-9756 ANALOG 4-WIRE DUCT SENSOR WITH 24VDC RELAY


HOUSING BASE
HOUSING COVER
BASE GASKET
DETECTOR OR SENSOR
DAMPER OR AHU POWER (BY OTHERS)
DAMPER OR AHU
4098-9756 4-WIRE DUCT SENSOR
ADDRESS SWITCH
4098-9843 PAM-5D RELAY
1/2 W 10K EOL RESISTOR 4081-9008
TO OPTIONAL REMOTE LED INDICATOR OR TEST STATION
MAPNET II / IDNet SLC
24VDC POWER
OPTIONAL SHIELD
TO ADDITIONAL MAPNET II / IDNet SLC DEVICES OR RETURN TO FACP ON CLASS A APPLICATIONS
24VDC PO





BAY 1 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	SIG3	LEVEL 4 NORTH WING STROBES	C
	SIG4	LEVEL 3 NORTH WING STROBES	C
	M1	IDNET CHANNEL 1 INITIATING DEVICES	M
	AUX4	AUXILIARY POWER	P
	RLY	TRANSPONDER 2ND FL ELEC RM #281	R

BAY 2 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	SIG9	LEVEL 1 EAST WING STROBES	C
	SIG10	GROUND FLOOR NORTH WING STROBES	C
	SIG11	LEVEL 1 EAST WING NAC UNRN RM STR	C
	SIG12	LEVEL 1 EAST WING NAC UNRN RM STR	C
	SIG13	GROUND LEVEL WEST STROBES	C
	SIG14	LEVEL 1 WEST STROBES	C
	M2	IDNET CHANNEL 2 INITIATING DEVICES	M
	AUX14	EMS GENERAL ALARM RELAY	R

BAY 3 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	AUX15	DOOR HOLDER	R
	AUX16	DETECTOR RESET 4-WIRE	R
	AUX17	WATERFLOW RELAY ZONE 19	R
	AUX18	WATERFLOW RELAY ZONE 27	R
	AUX19	WEST ADDITION FANS	R
	AUX20	CENTER WING FANS & NORTH WING FANS	R
	AUX21	EAST WING FANS	R
	AUX22	SOUTH WING FANS	R
	SIG15	LEVEL 2 PENTHOUSE WEST ADDITION STROBES	C
	SIG16	NAC PANEL BY NODE 2	C
	SIG17	NEAR FIRE ALARM PANEL RM	C
	SIG18	LEVEL 2 PENTHOUSE EAST WING STROBES	C

1. INTERNAL BATTERY CABINET FUSE IS 80A FOR BATTERY PROTECTION.
2. IN-LINE BATTERY FUSE REQUIREMENT: TO PROTECT THE OUTPUT CONDUCTORS, INSTALL A LINE FUSE RATED PROPERLY TO THE LOAD CURRENT IN THE BATTERY PLUS (+) SIDE OF EACH OUTPUT PAIR.
3. BATTERY OUTPUT CONNECTS TO MULTIPLE CONDUCTOR TERMINAL BLOCK FOR CONNECTIONS TO OTHER PANELS REQUIRING EXTERNAL BATTERY POWER.

NODE 11 FIRE ALARM CONTROL PANEL

CABINET # 1 - GROUND FLOOR
LOCATED IN ELECTRICAL ROOM - GROUND FLOOR
SCALE: NTS

2081-9280 CABINET W/2081-9279 110Ah BATTERIES

SCALE: NTS

REVISION 32 FLAG NOTES:

32 A JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS.

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

Use of Proceeds
Project Funding Source
Bonds | Grants
Fundraising | Public Money
Cash Gifts | Other

FIRE ALARM SYSTEM
DETAIL SHEET

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

DATE: 6-21-2001

SITE NUMBER: 459

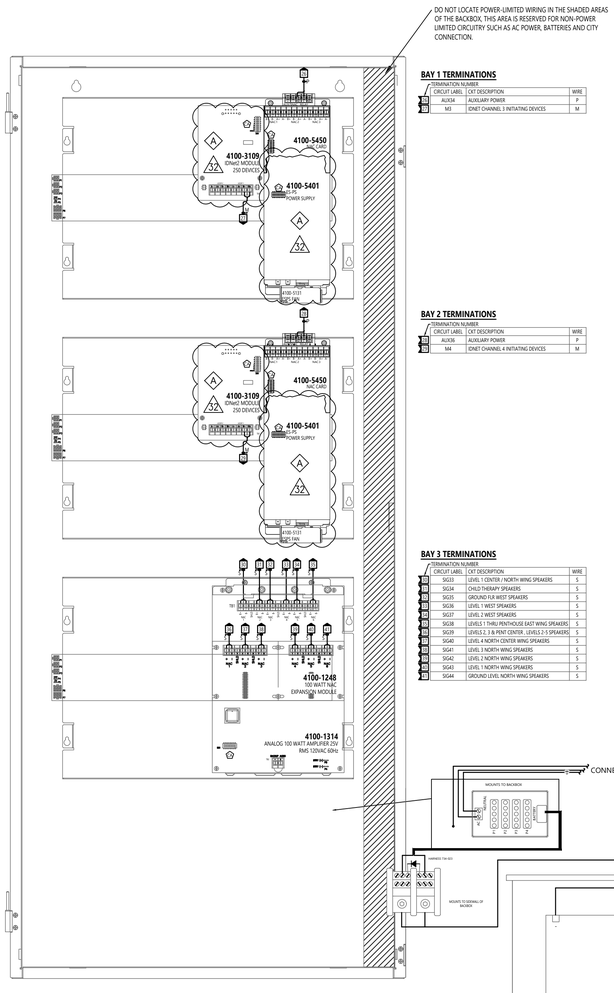
SHEET NUMBER: FA-DET-06

ELECTRONIC DRAWING NAME: FA-COV

24" x 36"

REVISION 32 FLAG NOTES:

A. JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS.



BAY 1 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
TB1	AUX34	AUXILIARY POWER	P
	M3	IDNET CHANNEL 3 INITIATING DEVICES	M

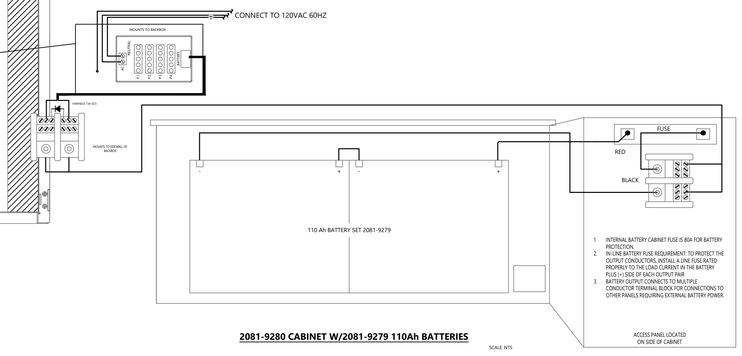
BAY 2 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
TB1	AUX36	AUXILIARY POWER	P
	M4	IDNET CHANNEL 4 INITIATING DEVICES	M

BAY 3 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
TB1	SG33	LEVEL 1 CENTER / NORTH WING SPEAKERS	S
	SG34	CHILD THERAPY SPEAKERS	S
	SG35	GROUND FLR WEST SPEAKERS	S
	SG36	LEVEL 1 WEST SPEAKERS	S
	SG37	LEVEL 2 WEST SPEAKERS	S
	SG38	LEVELS 1 THRU PENTHOUSE EAST WING SPEAKERS	S
	SG39	LEVELS 2, 3 & PENT CENTER , LEVELS 2-5 SPEAKERS	S
	SG40	LEVEL 4 NORTH CENTER WING SPEAKERS	S
	SG41	LEVEL 3 NORTH WING SPEAKERS	S
	SG42	LEVEL 2 NORTH WING SPEAKERS	S
	SG43	LEVEL 1 NORTH WING SPEAKERS	S
	SG44	GROUND LEVEL NORTH WING SPEAKERS	S

CONNECT TO 120VAC 60HZ



1. INTERNAL BATTERY CABINET FUSE IS 80A FOR BATTERY PROTECTION.
2. IN-LINE BATTERY FUSE REQUIREMENT: TO PROTECT THE OUTPUT CONDUCTORS, INSTALL A LINE FUSE RATED PROPERLY TO THE LOAD CURRENT IN THE BATTERY PLUS (+) SIDE OF EACH OUTPUT PAIR.
3. BATTERY OUTPUT CONNECTS TO MULTIPLE CONDUCTOR TERMINAL BLOCK FOR CONNECTIONS TO OTHER PANELS REQUIRING EXTERNAL BATTERY POWER.

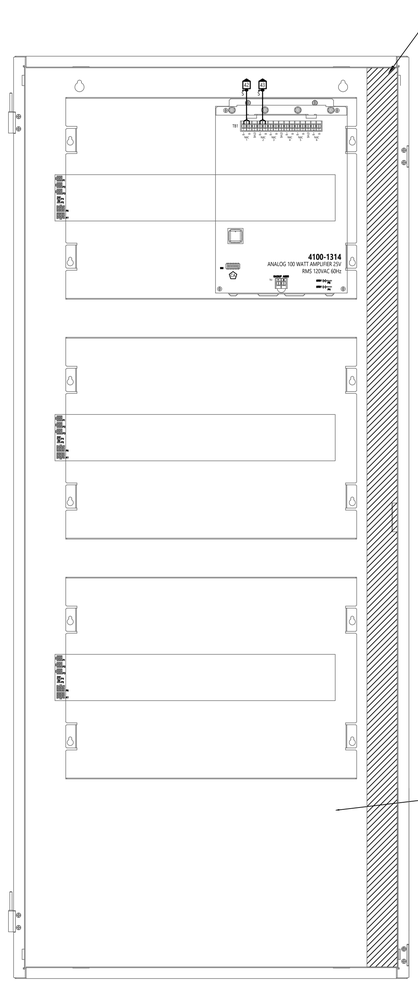
ACCESS PANEL LOCATED ON SIDE OF CABINET

NODE 11 FIRE ALARM CONTROL PANEL

CABINET #2 - GROUND FLOOR
LOCATED IN ELECTRICAL ROOM - GROUND FLOOR
SCALE: NTS

2081-9280 CABINET W/2081-9279 110Ah BATTERIES

SCALE: NTS



BAY 1 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
TB1	SG45	WEST WING PENTHOUSE SPEAKERS	S
	SG46	EAST WING ALL FLOORS SPEAKERS	S

BAY 2 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE

BAY 3 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE

CONNECT TO 120VAC 60HZ

FIRE ALARM CONTROL PANEL

CABINET #3 - FIRST FLOOR
LOCATED IN ELECTRICAL ROOM - GROUND FLOOR
SCALE: NTS

Johnson Controls
12781 Gateway Drive South
Tukwila, WA 98168
SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

City of Redding Electric & Fire Permitting Building Electrical Fire Alarm Engineering Public Works Fire Sprinkler Trades

FIRE ALARM SYSTEM
DETAIL SHEET

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
400 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

DATE: 6-21-2001

SITE NUMBER: 459

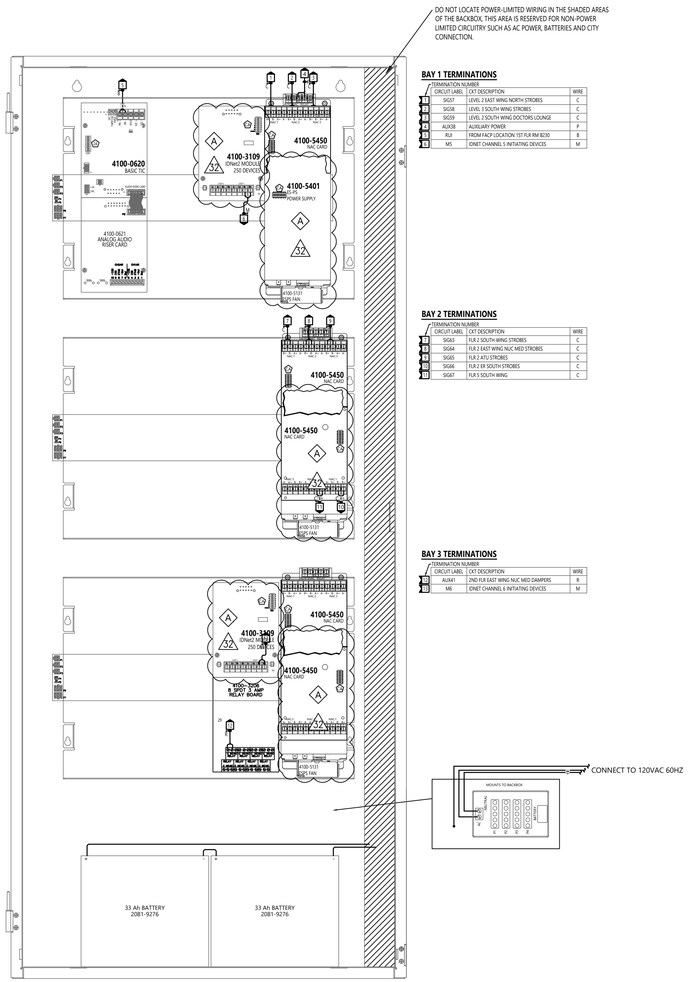
SHEET NUMBER: FA-DET-07

ELECTRONIC DRAWING NAME: FA-COV

24" x 36"

REVISION 32 FLAG NOTES: 32

A JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS.



BAY 1 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	SIG07	LEVEL 2 EAST WING NORTH STROBES	C
	SIG08	LEVEL 3 SOUTH WING STROBES	C
	SIG09	LEVEL 2 SOUTH WING DOCTORS LOUNGE	C
	AUX08	AUXILIARY POWER	P
	RUI	FROM FACP LOCATION 1ST FLR RM BC30	B
	M5	IDNET CHANNEL 5 INITIATING DEVICES	M

BAY 2 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	SIG63	FLR 2 SOUTH WING STROBES	C
	SIG64	FLR 2 EAST WING NUC MED STROBES	C
	SIG65	FLR 2 ATU STROBES	C
	SIG66	FLR 2 ER SOUTH STROBES	C
	SIG67	FLR 5 SOUTH WING	C

BAY 3 TERMINATIONS

TERMINATION NUMBER	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	AUX47	2ND FLR EAST WING NUC MED DAMPERS	R
	M6	IDNET CHANNEL 6 INITIATING DEVICES	M

FIRE ALARM CENTER TRANSPONDER PANEL

CABINET #1 - SECOND FLOOR
LOCATED IN ELECTRICAL RM R281
SCALE: NTS

24" x 36"

ELECTRONIC DRAWING NAME

FA-COV

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
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	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142861
Fire Alarm Systems, Level III

Use of Drawing	
Bidding	Permit
Engineering	Shop Drawing
Construction	Other

FIRE ALARM SYSTEM DETAIL SHEET

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

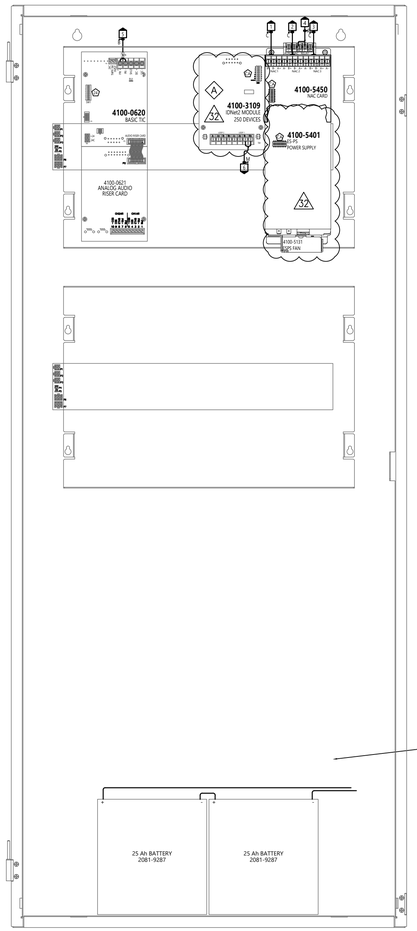
DATE: 6-21-2001

SITE NUMBER: 459

SHEET NUMBER: FA-DET-08

REVISION 32 FLAG NOTES: 32

A JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS.



BAY 1 TERMINATIONS

TERMINATION NUMBER			
	CIRCUIT LABEL	CKT DESCRIPTION	WIRE
	SIG75	FIRST FLOOR CENTER WING	C
	SIG76	SECOND FLOOR NORTH WING	C
	SIG77	FIRST FLOOR NORTH WING	C
	AUX3B	AUXILIARY POWER	P
	RUI	FROM FACP LOCATION TOT FLR RM BC30	B
	MT	IDNET CHANNEL T INITIATING DEVICES	M

BAY 2 TERMINATIONS

TERMINATION NUMBER		
CIRCUIT LABEL	CKT DESCRIPTION	WIRE

BAY 3 TERMINATIONS

TERMINATION NUMBER		
CIRCUIT LABEL	CKT DESCRIPTION	WIRE

FIRE ALARM NORTH TRANSPONDER PANEL

CABINET #1 - SECOND FLOOR
LOCATED IN ELECTRICAL RM
SCALE: NTS

24" x 36"

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
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33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

City of Puyallup
Fire & Emergency Services
Approved
Fire Marshal | Public Works
Date

FIRE ALARM SYSTEM
DETAIL SHEET

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

DATE: 6-21-2001

SITE NUMBER: 459

SHEET NUMBER: FA-DET-09

ELECTRONIC DRAWING NAME

FA-COV

4100es FACP BATTERY CALCULATION

Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment						
4100-9111	1	4100ES FIRE ALARM CONTROL PANEL, 120 VAC	0.3730	0.3730	0.4700	0.4700
4100-0634	3	4100 POWER DISTRIBUTION MODULE 120V	0.0000	0.0000	0.0000	0.0000
4100-0636	2	4100 BOX TO BOX HARNESS KIT	0.0000	0.0000	0.0000	0.0000
4100-0637	2	4100 AUDIO BOX TO BOX HARNESS KIT	0.0000	0.0000	0.0000	0.0000
4100-1210	1	4100ES AUDIO CONTROLLER BOARD - ANALOG 1.5 CHANNELS	0.2550	0.2550	0.3630	0.3630
4100-1240	1	4100ES AUXILIARY AUDIO INPUT BOARD	0.0100	0.0100	0.0100	0.0100
4100-1241	1	4100ES MESSAGE EXPANSION BOARD - 8 MINUTES	0.0020	0.0020	0.0170	0.0170
4100-1248	1	4100ES 100 WATT EXPANSION NAC BOARD	0.0168	0.0168	0.0600	0.0600
4100-1279	14	4100ES 2" BLANK DISPLAY MODULE	0.0000	0.0000	0.0000	0.0000
4100-1280	1	4100ES 8 SWITCH, 8 RED LED MODULE	0.0000	0.0000	0.0240	0.0240
4100-1284	1	4100ES 8 SW, 16 RED/GREEN LED MODULE	0.0000	0.0000	0.0240	0.0240
4100-1288	1	4100ES 64/64 LED/SWITCH CONTROLLER	0.0200	0.0200	0.2120	0.2120
4100-1314	2	4100ES AMPLIFIER, 120 VAC, 6 NAC, ANALOG, 100 WATT, 25V RMS	0.0850	0.1700	3.8000	7.6000
4100-2300	6	4100ES EXPANSION BAY (PHASE 10 ONLY)	0.0000	0.0000	0.0000	0.0000
4100-2320	2	4100ES AUDIO EXPANSION BAY KIT	0.0000	0.0000	0.0000	0.0000
4100-3109	3	4100ES IDNet2 MODULE - UP TO 250 DEVICES 2 ISOLATED LOOPS *	0.0500	0.1500	0.1000	0.3000
4100-3206	3	4100ES 8 RELAYS - 3 AMP	0.0150	0.0450	0.1900	0.5700
4100-4403	4	4100ES 2 POINT ZONE RELAY MODULE	0.1160	0.4640	0.0200	0.0800
4100-5401	5	4100ES ES Power Supply Only	0.0680	0.3400	0.0770	0.3850
4100-5131	5	4100ES ES-PS Fan Module	0.0000	0.0000	0.2000	1.0000
4100-5430	1	4100ES ISOL Card	0.0600	0.0600	0.1520	0.1520
4100-5128	3	4100ES BATTERY DISTRIBUTION TERMINAL MODULE	0.0000	0.0000	0.0000	0.0000
4100-6038	1	4100ES DUAL RS-232 IF CARD	0.1320	0.1320	0.1320	0.1320
4100-2504	1	4100ES CONNECTED SERVICES GATEWAY WITH IP COMMUNICATOR - SIDE MOUNT	0.1250	0.1250	0.1250	0.1250
4100-6104	1	4100ES ES NET SLOT MOUNT NETWORK INTERFACE CARD	0.1200	0.1200	0.1200	0.1200
4100-6307	1	4100ES ES NET DUAL CHANNEL DSL MEDIA CARD	0.1350	0.1350	0.1350	0.1350
		Panel Totals		2.7008		13.5300
IDNet Addressable Devices (SLC)						
4009-9201	1	4009 IDNET NAC EXTENDER PANEL, 120 VAC, BEIGE				
4090-9001	99	IDNET/OCT ADDRESSABLE MODULE				
4090-9002	33	IDNET RELAY IAM, ADDR.				
4090-9007	1	ADDRESSABLE SIGNAL TAM				
4098-9714	252	SMOKE SENSOR, ADDR., PHOTOELECTRIC				
4098-9733	16	HEAT SENSOR, ADDR., STANDARD				
4098-9734	1	SMOKE SENSOR, ADDR., PHOTOELECTRIC, DUCT MOUNT				
4098-9792	268	STANDARD BASE, ADDR.				
4098-9905	2	ADDRESSABLE MANUAL STATION, SINGLE ACTION, ADDR.				
Miscellaneous Peripheral Devices That Require (Additional) System Power						
4098-9843	24	ENCAPSULATED RELAY	0.0000	0.0000	0.0150	0.3600
4098-9756	24	DUCT SMOKE DETECTOR W/ RELAY OUTPUT, ADDR.	0.0030	0.0720	0.0150	0.3600
Conventional Notification Appliances		Setting				
EXIST-DEV1	12	EXISTING SG NOTIFICATION APPLIANCES	0.0000	0.0000	1.5000	18.0000
		Peripheral Totals		0.0720		18.7200
		Address Totals 423 Addresses		0.3384		0.4230
		System Totals*:	Standby	3.1112	Alarm	32.6730

Constant current draw of .8mA standby and 1mA alarm per address used.
Devices requiring additional current are accounted for in the section labeled Miscellaneous Peripheral Devices Requiring Additional System Power.

* Device Address current draw included below (See Additional Current Draws):
IDNet cards include 40mA alarm current for 20 device LEDs in alarm in addition to base current listed on datasheet.
1. Base FACP includes current draw for all included components. See data sheet for details.
1. 2-wire detector alarm current is included in the alarm current of the Initiating Device Circuit.

Battery Set #1 (Cabinet/Charger #1)
Select ALL Power Supplies on this battery set:

	Standby Current	Standby Total	Alarm Current	Alarm Total
SPS-1		0.0000		0.0000
ESPS-1		1.5380		7.3230
ESPS-2		0.5150		9.8820
ESPS-3		0.2150		6.5990
ESPS-4		0.1840		0.4430
ESPS-5		0.1340		0.3430
Amp-1		0.1018		3.8600
Amp-2		0.0850		3.8000
Sub Total		2.7728		32.2500

Additional Current Draws:

RUI Connected Peripheral Devices	0	x 0.0035	= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Address Communication Current	423	x 0.000800	= 0.3384	x 0.001000	= 0.4230
Sub Total			3.1112		32.6730
Spare addressable point capacity	0%	0	x 0.0008 = 0.0000	x 0.001	= 0.0000
Total			3.1112		32.6730

Standby Time = 24 Hrs x 3.1112 = 74.6688 Standby Ah
Alarm Time = 15 Min 0.25 x 32.673 = 8.1683 Alarm Ah
82.8371
Additional Spare Battery Capacity = 0% + 0.0000
82.8371
Battery Discharge Factor = 20% + 16.5674
Minimum Battery Required 99.4045
Battery Supplied 2081-9279 110AH (2x)

* System Totals represent total system current requirements. Those currents may be distributed between multiple battery sets or power supplies as shown above.

POWER SUPPLY SUMMARY			Powered By Ext. Source Qty.	Standby Current	Alarm Current
Module	Qty	Description			
ADDRESSABLE DEVICES REQUIRING 24VDC AUX. POWER					
4098-9756	24	DUCT SMOKE DETECTOR W/ RELAY OUTPUT, ADDR.	0	0.0030	0.0150
MISCELLANEOUS 24VDC PERIPHERALS					
4098-9843	24	ENCAPSULATED RELAY	0	0.0000	0.0150
					24vdc Aux Totals
PANEL COMPONENTS POWERED BY POWER SUPPLY					
4100-9111	1	4100ES FIRE ALARM CONTROL PANEL, 120 VAC		0.3730	0.4700
4100-0634	3	4100 POWER DISTRIBUTION MODULE 120V		0.0000	0.0000
4100-0636	2	4100 BOX TO BOX HARNESS KIT		0.0000	0.0000
4100-0637	2	4100 AUDIO BOX TO BOX HARNESS KIT		0.0000	0.0000
4100-1210	1	4100ES AUDIO CONTROLLER BOARD - ANALOG 1.5 CHANNELS		0.2550	0.3630
4100-1240	1	4100ES AUXILIARY AUDIO INPUT BOARD		0.0100	0.0100
4100-1241	1	4100ES MESSAGE EXPANSION BOARD - 8 MINUTES		0.0020	0.0170
4100-1248	1	4100ES 100 WATT EXPANSION NAC BOARD		0.0168	0.0600
4100-1279	14	4100ES 2" BLANK DISPLAY MODULE		0.0000	0.0000
4100-1280	1	4100ES 8 SWITCH, 8 RED LED MODULE		0.0000	0.0240
4100-1284	1	4100ES 8 SW, 16 RED/GREEN LED MODULE		0.0000	0.0240
4100-1288	1	4100ES 64/64 LED/SWITCH CONTROLLER		0.0200	0.2120
4100-1314	2	4100ES AMPLIFIER, 120 VAC, 6 NAC, ANALOG, 100 WATT, 25V RMS		0.0000	0.0000
4100-2300	6	4100ES EXPANSION BAY (PHASE 10 ONLY)		0.0000	0.0000
4100-2320	2	4100ES AUDIO EXPANSION BAY KIT		0.0000	0.0000
4100-3109	3	4100ES IDNet2 MODULE - UP TO 250 DEVICES 2 ISOLATED LOOPS		0.0500	0.1000
4100-3206	3	4100ES 8 RELAYS - 3 AMP		0.0150	0.1900
4100-4403	4	4100ES 2 POINT ZONE RELAY MODULE		0.1160	0.0200
4100-5401	5	4100ES ES Power Supply Only		0.0680	0.0770
4100-5131	5	4100ES ES-PS Fan Module		0.0000	0.2000
4100-5430	1	4100ES ISOL Card		0.0600	0.1520
4100-5128	3	4100ES BATTERY DISTRIBUTION TERMINAL MODULE		0.0000	0.0000
4100-6038	1	4100ES DUAL RS-232 IF CARD		0.1320	0.1320
4100-2504	1	4100ES CONNECTED SERVICES GATEWAY WITH IP COMMUNICATOR - SIDE MOUNT		0.1250	0.1250
4100-6104	1	4100ES ES NET SLOT MOUNT NETWORK INTERFACE CARD		0.1200	0.1200
4100-6307	1	4100ES ES NET DUAL CHANNEL DSL MEDIA CARD		0.1350	0.1350
				1.4660	3.6030 Components
		NAC Currents from Voltage Drops		0.0000	3.0000
		IDNac Current Boost for 29vdc Regulated Output *		0.0000	0.0000
		MAPNET/IDNet Device Addresses used		0.1000	0.1250
				Total 1.5380	7.3230

ESPS-1 SUMMARY			
Qty	Total Standby	Total Alarm	
24	0.0720	0.3600	
24	0.0000	0.3600	
	0.0720	0.7200	
1	0.3730	0.4700	
3	0.0000	0.0000	
2	0.0000	0.0000	
2	0.0000	0.0000	
0	0.0000	0.0000	
1	0.0100	0.0100	
1	0.0020	0.0170	
0	0.0000	0.0000	
14	0.0000	0.0000	
1	0.0000	0.0240	
1	0.0000	0.0240	
1	0.0200	0.2120	
0	0.0000	0.0000	
6	0.0000	0.0000	
2	0.0000	0.0000	
1	0.0500	0.1000	
2	0.0300	0.3800	
4	0.4640	0.0800	
1	0.0680	0.0770	
1	0.0000	0.2000	
1	0.0600	0.1520	
3	0.0000	0.0000	
1	0.1320	0.1320	
1	0.1250	0.1250	
1	0.1200	0.1200	
1	0.1350	0.1350	
	1.4660	3.6030	
	0.0000	3.0000	
	0.0000	0.0000	
125	0.1000	0.1250	
Total	1.5380	7.3230	

ESPS-2 SUMMARY		
Qty	Total Standby	Total Alarm
0	0.0000	0.0000
0	0.0000	0.0000
	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
1	0.2550	0.3630
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG3	LEVEL 4 NORTH WING STROBES	SIG3	1.500A	14.17%	21.06%
SIG4	LEVEL 3 NORTH WING STROBES	SIG4	1.500A	14.17%	21.06%
SIG5	SPARE	SIG5	0.000A	0.00%	100.00%
			3.000A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG3 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Circuit Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG3-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG9	LEVEL 1 EAST WING STROBES	SIG9	1.500A	14.17%	21.06%
SIG10	GROUND FLOOR NORTH WING	SIG10	1.500A	14.17%	21.06%
SIG11	LEVEL 1 EAST WING NAC LINEN RM	SIG11	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG9 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Circuit Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG9-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG9	LEVEL 1 EAST WING STROBES	SIG9	1.500A	14.17%	21.06%
SIG10	GROUND FLOOR NORTH WING	SIG10	1.500A	14.17%	21.06%
SIG11	LEVEL 1 EAST WING NAC LINEN RM	SIG11	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG9 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG9-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG12	LEVEL 1 EAST WING NAC LINEN RM STR	SIG12	1.500A	14.17%	21.06%
SIG13	GROUND LEVEL WEST STROBES	SIG13	1.500A	14.17%	21.06%
SIG14	LEVEL 1 WEST STROBES	SIG14	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG12 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Circuit Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG12-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG15	LEVEL 2 PENTHOUSE WEST ADDITION	SIG15	1.500A	14.17%	21.06%
SIG16	NAC PANEL BY NODE 2	SIG16	1.500A	14.17%	21.06%
SIG17	NEAR FIRE ALARM PANEL RM	SIG17	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG15 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Circuit Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG15-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG4 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG4-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG10 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG10-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG10 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG10-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG13 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG13-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG16 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG16-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG11 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG11-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG11 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG11-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG14 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG14-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG17 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG17-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG18	LEVEL 2 PENTHOUSE EAST WING STROBES	SIG18	1.500A	14.17%	21.06%
SIG19	SPARE	SIG19	0.000A	0.00%	100.00%
SIG20	SPARE	SIG20	0.000A	0.00%	100.00%
			1.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG18 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Circuit Capacity: 3.A

Wire Res. Per Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

Device #	PID	Setting	Distance (Feet)	Normal Operation: Device Current	Voltage Drop	Voltage At Device	Existing?
SIG18-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG21	SPARE	SIG21	0.000A	0.00%	100.00%
SIG22	SPARE	SIG22	0.000A	0.00%	100.00%
SIG23	SPARE	SIG23	0.000A	0.00%	100.00%
			0.000A	Total	

VOLTAGE DROP SUMMARY

Plan Circuit	Description		Load	% Drop	Class B Spare Circuit Capacity
SIG27	SPARE	SIG27	0.000A	0.00%	100.00%
SIG28	SPARE	SIG28	0.000A	0.00%	100.00%
SIG29	SPARE	SIG29	0.000A	0.00%	100.00%
			0.000A	Total	

24" x 36"

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG			650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

City of Puyallup
Fire & Emergency Services
Reviewed - Approved
Fire Marshal | Public Works
Date | Time

FIRE ALARM SYSTEM
FACP CALCULATIONS SHEET

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

DATE: 6-21-2001

SITE NUMBER: 459

SHEET NUMBER: FA-CAL-02

ELECTRONIC DRAWING NAME: FA-COV

IDNET CHANNEL M1

Address	Device Type	ADDRESSES IN USE: 125 (50%) | SPARE ADDRESSES: 125 (50%) Point Type	Location Description	SWITCH SETTINGS 1 2 3 4 5 6 7 8	
M1-1	PHOTO	SMOKE	L2 RIVER PAV LOBBY SKYLIGHT	X	ON
M1-2	PHOTO	SMOKE	L2 RIVER PAV LOBBY SKYLIGHT	X	ON
M1-3	PHOTO	SMOKE	L2 RIVER PAV LOBBY SKYLIGHT	X X	ON
M1-4	ADRPUL	PULL	L2 RIVER PAV LOBBY NEAR EXIT	X	ON
M1-5	PHOTO	SMOKE	L3 RIVER PAV LOBBY ADDN MECH ROOM	X X	ON
M1-6	RPHOTO	LSDUCT	L3 RIVER PAV LOBBY ADDN E MECH ROOM	X X	ON
M1-7	RIAM	RELAY	L2 RIVER PAVLOBBY ADDN FAN CONTROL	X X X	ON
M1-8	PHOTO	SMOKE	L2 RIVER PAV COR BY VISIT STAFF OFFICE	X	ON
M1-9	PHOTO	SMOKE	L2 RIVER PAV CORR NEAR LABORATORY	X X	ON
M1-10	PHOTO	SMOKE	L2 RIVER PAV CORR NEAR MED STAFF SERVIC	X	ON
M1-11	PHOTO	SMOKE	L2 RIVER PAV NEAR ELEVATOR 1	X X X	ON
M1-12	PHOTO	SMOKE	L2 RIVER PAV NEAR ELEVATOR 7	X X	ON
M1-13	ADRPUL	PULL	L2 RIVER PAV NEAR SOUTH STAIRS	X X	ON
M1-14	IAM	SO	L1 RIVER PAV STAIRWELL VALVE 17 TAMPER	X X X X	ON
M1-15	ADRPUL	PULL	L3 RIVER PAV CORRIDOR BY ROOM 301	X X X X	ON
M1-16	PHOTO	SMOKE	L3 RIVER PAV ROOM 301	X	ON
M1-17	PHOTO	SMOKE	L3 RIVER PAV ROOM 302	X X	ON
M1-18	PHOTO	SMOKE	L3 RIVER PAV ROOM 303	X X	ON
M1-19	PHOTO	SMOKE	L3 RIVER PAV ROOM 304	X X X	ON
M1-20	PHOTO	SMOKE	L3 RIVER PAV ROOM 305	X X	ON
M1-21	PHOTO	SMOKE	L3 RIVER PAV ROOM 306	X X X	ON
M1-22	PHOTO	SMOKE	L3 RIVER PAV ROOM 307	X X X	ON
M1-23	PHOTO	SMOKE	L3 RIVER PAV ROOM 308	X X X X	ON
M1-24	PHOTO	SMOKE	L3 RIVER PAV ROOM 309	X X	ON
M1-25	PHOTO	SMOKE	L3 RIVER PAV ROOM 310	X X X	ON
M1-26	PHOTO	SMOKE	L3 RIVER PAV ROOM 311	X X X	ON
M1-27	PHOTO	SMOKE	L3 RIVER PAV ROOM 312	X X X X	ON
M1-28	PHOTO	SMOKE	L3 RIVER PAV ROOM 313	X X X	ON
M1-29	PHOTO	SMOKE	L3 RIVER PAV ROOM 314	X X X X	ON
M1-30	ADRPUL	PULL	L3 RIVER PAV CORRIDOR BY ROOM 313	X X X	ON
M1-31	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR BY ROOM 301	X X X X X	ON
M1-32	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR BY ROOM 305	X	ON
M1-33	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR BY ROOM 309	X X	ON
M1-34	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR BY ROOM 311	X X	ON
M1-35	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR BY ROOM 314	X X X	ON
M1-36	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR BY ELEVATOR 1	X X X	ON
M1-37	PHOTO	SMOKE	L3 RIVER PAV CORR BY ELEVATOR 7	X X X	ON
M1-38	PHOTO	SMOKE	L3 RIVER PAV CORRIDOR	X X X	ON
M1-39	ADRPUL	PULL	L3 RIVER PAV BY ELEVATOR 1	X X X X	ON
M1-40	IAM	WATER	L3 RIVER PAV S SPRINK WATERFLOW SWITCH	X X X	ON
M1-41	IAM	WATER	L3 RIVER PAV CNTR SPRINK WF SWITCH	X X X	ON
M1-42	ADRPUL	PULL	L3 RIVER PAV STAIRWAY EAST	X X X	ON
M1-43	RIAM	RELAY	L3 RIVER PAV ELECT RM SECURITY DOOR	X X X X	ON
M1-44	PHOTO	SMOKE	L4 RIVER PAV ROOM 402	X X X X	ON
M1-45	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY WEST END	X X X X	ON
M1-46	ADRPUL	PULL	L4 RIVER PAV WEST STAIRWELL ENTRY	X X X X	ON
M1-47	PHOTO	SMOKE	L4 RIVER PAV ROOM 401	X X X X X	ON
M1-48	PHOTO	SMOKE	L4 RIVER PAV ROOM 404	X X X	ON
M1-49	PHOTO	SMOKE	L4 RIVER PAV ROOM 403	X X X X	ON
M1-50	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 406	X X X X	ON
M1-51	PHOTO	SMOKE	L4 RIVER PAV ROOM 406	X X X X X	ON
M1-52	PHOTO	SMOKE	L4 RIVER PAV ROOM 405	X X X X	ON
M1-53	PHOTO	SMOKE	L4 RIVER PAV ROOM 407	X X X X X	ON
M1-54	PHOTO	SMOKE	L4 RIVER PAV ROOM 409	X X X X X	ON
M1-55	PHOTO	SMOKE	L4 RIVER PAV ROOM 411	X X X X X	ON
M1-56	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 407	X X X X	ON
M1-57	PHOTO	SMOKE	L4 RIVER PAV CORR NEAR RM 411	X X X X X	ON
M1-58	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 412	X X X X X	ON
M1-59	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR EAST END	X X X X X	ON
M1-60	PHOTO	SMOKE	L4 RIVER PAV ROOM 413	X X X X	ON
M1-61	PHOTO	SMOKE	L4 RIVER PAV ROOM 415	X X X X X	ON
M1-62	PHOTO	SMOKE	L4 RIVER PAV ROOM 412	X X X X X	ON
M1-63	ADRPUL	PULL	L4 RIVER PAV EAST STAIRWELL ENTRY	X X X X X	ON
M1-64	PHOTO	SMOKE	L4 RIVER PAV ELEVATOR 1 LOBBY	X	ON
M1-65	IAM	WATER	L4 RIVER PAV S SPRINKLER WATERFLOW	X X	ON
M1-66	IAM	WATER	L4 RIVER PAV CNTR SPRINKLER WATERFLOW	X X	ON
M1-67	PHOTO	SMOKE	L4 RIVER PAV ELEVATOR 7 LOBBY	X X	ON
M1-68	ADRPUL	PULL	L4 RIVER PAV NEAR ELEVATOR 7	X X	ON
M1-69	PHOTO	SMOKE	L4 RIVER PAV EAST STAIRWELL	X X X	ON
M1-70	PHOTO	SMOKE	L4 RIVER PAV WEST STAIRWELL	X X X	ON
M1-71	RIAM	RELAY	RIVER PAV ELEVATOR 1 GENERAL ALARM ZAM	X X X X	ON
M1-72	RIAM	RELAY	RIVER PAV ELEVATOR 1 ALTERNATE FLOOR ZAM	X X	ON
M1-73	PHOTO	SMOKE	L1 RIVER PAV ELEVATOR 1 MECH RM	X X X	ON
M1-74	PHOTO	SMOKE	RIVER PAV ELEVATOR 1 TOP OF SHAFT	X X X	ON
M1-75	IAM	WATER	L1 RIVER PAV CNTR SPRINKLER WATERFLOW	X X X	ON
M1-76	IAM	WATER	LVL A FOREST PAVOLD BOILER RM SPRINK FLO	X X X	ON
M1-77	RIAM	RELAY	ELEVATOR 1 FIRE HAT	X X X X	ON
M1-78				X X X	ON
M1-79				X X X X X	ON
M1-80	PHOTO	SMOKE	L2 RIVER PAV LOBBY	X X	ON
M1-81	PHOTO	SMOKE	L1 RIVER PAV KITCHEN OFFICE	X X X	ON
M1-82	PHOTO	SMOKE	L1 RIVER PAV KITCHEN OFFICE	X X X	ON
M1-83	RPHOTO	LSDUCT	L3 RIVER PAV E EXH FAN B PNTHS	X X X	ON
M1-84				X X X	ON
M1-85	RPHOTO	LSDUCT	AHU-4	X X X	ON
M1-86	RPHOTO	LSDUCT	L3 RIVER PAV E SUPP FAN 3 PNTHS	X X X	ON
M1-87	IAM	WATER	L5 EAST D&T PENTHOUSE WATERFLOW	X X X X	ON
M1-88	PHOTO	SMOKE	L1 RIVER PAV SERVICE ELEVATOR LOBBY	X X X	ON
M1-89	HEAT	HEAT	L2 RIVER PAV SOUTH DOCTORS LOUNGE	X X X X	ON
M1-90	PHOTO	SMOKE	L1 RIVER PAV PHONE EQUIP STORAGE	X X X	ON
M1-91	ADRPUL	PULL	L1 RIVER PAV SOUTH HALL NEAR KITCHEN	X X X X X	ON
M1-92	PHOTO	SMOKE	L1 RIVER PAV NEAR WOMENS LOCKER ROOM	X X X X	ON
M1-93	PHOTO	SMOKE	L1 RIVER PAV HALL NEAR DRY STORAGE RM	X X X X	ON
M1-94	ADRPUL	PULL	L1 RIVER PAV DISH MACHINE ROOM	X X X X	ON
M1-95	PHOTO	SMOKE	L1 RIVER PAV HALL NEAR DISH MACHROOM	X X X X X	ON
M1-96	PHOTO	SMOKE	L1 RIVER PAV N HALL NEAR DISH MC RM	X X	ON
M1-97	PHOTO	SMOKE	L1 RIVER PAV KITCHEN NEAR ICE MACHINE	X X X	ON
M1-98	IAM	SO	L5 EAST D&T PENTHOUSE TAMPER	X X	ON
M1-99	PHOTO	SMOKE	L1 RIVER PAV HALL NEAR OLD BOILER RM	X X X X	ON
M1-100	PHOTO	SMOKE	L1 RIVER PAVILION HALL NEAR CAFE	X X X	ON
M1-101	PHOTO	SMOKE	L1 RIVER PAVILION HALL NEAR CAFE	X X X	ON
M1-102	PHOTO	SMOKE	L1 RIVER PAV MENS LOCKER ROOM	X X X X X	ON
M1-103	PHOTO	SMOKE	L1 RIVER PAV WOMENS LOCKER ROOM	X X X X X	ON
M1-104	IAM	WATER	L1 RIVER PAVKITCHEN HOOD EXTIG SYS	X X X	ON
M1-105	IAM	SO	L3 RIVER PAV SOSTAIR SPRNK VALVE 21	X X X	ON
M1-106	PHOTO	SMOKE	L2 RIVER PAV NURSE ADMIN BY COPIER	X X X X	ON
M1-107	IAM	SO	L4 RIVER PAV SOSTAIR SPRNK VALVE 22	X X X X X	ON
M1-108	PHOTO	SMOKE	L2 RIVER PAV NURSE ADMIN FRONT DESK	X X X X	ON
M1-109	PHOTO	SMOKE	L2 RIVER PAV VISITING STAFF OFFICE	X X X X X	ON
M1-110	PHOTO	SMOKE	L2 RIVER PAV NURSE ADMIN BACK DESK	X X X X X	ON
M1-111	PHOTO	SMOKE	L2 RIVER PAV NURSE ADMIN BY RESTROOM	X X X X X X	ON
M1-112	IAM	WATER	L2 RIVER PAVSPRINKLER WATERFLOW	X X X	ON
M1-113	IAM	SO	L2 RIVER PAV CENTER STAIR SOUTH TAMPER	X X X X	ON
M1-114	IAM	SO	L2 RIVER PAV STAIRCROSSMAIN	X X X X X	ON
M1-115	PHOTO	SMOKE	L2 RIVER PAV DR LOUNGE WEST OFFICE	X X X X X	ON
M1-116	PHOTO	SMOKE	L2 RIVER PAV DR LOUNGE NW OFFICE	X X X X X	ON
M1-117	PHOTO	SMOKE	L2 RIVER PAV DR LOUNGE WAITING AREA	X X X X X X	ON
M1-118	PHOTO	SMOKE	L2 RIVER PAV DR LOUNGE BY ENTRY	X X X X X X	ON
M1-119	PHOTO	SMOKE	L2 RIVER PAV DR LOUNGE CONFERENCE RM	X X X X X X	ON
M1-120	OHEAT	HEAT	L2 RIVER PAV DR LOUNGE KITCHEN AREA	X X X X X	ON
M1-121	PHOTO	SMOKE	L2 RIVER PAV DR LOUNGE BY NE EXIT	X X X X X X	ON
M1-122	ADRPUL	PULL	L2 RIVER PAV DR LOUNGE BY NE EXIT	X X X X X X	ON
M1-123	IAM	SO	L1 RIVER PAV ELEV 1 PIT VALVE	X X X X X X	ON
M1-124	IAM	SO	L1 RIVER PAV ELEV 7 PIT VALVE	X X X X X X	ON
M1-125	RIAM	RELAY	L1-2 RIVER EAST DAMPER CONTROL	X X X X X X	ON
M1-126	RIAM	RELAY	RIVER PAV EXHAUST FAN B RELAY	X X X X X X X	ON
M1-127				X X X X X X X	ON
M1-128					ON
M1-129	IAM	SO	L1 FOREST PAV OLD BOILER RM TAMPER	X	ON
M1-130	IAM	SO	L1 RIVER PAV CETNER STR RISER TAMPER	X	ON
M1-131				X X	ON
THRU					ON
M1-250				X X X X X X X	ON

NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

IDNET CHANNEL M2

Address	Device Type	ADDRESSES IN USE: 123 (49.2%) | SPARE ADDRESSES: 127 (50.8%) Point Type	Location Description	SWITCH SETTINGS 1 2 3 4 5 6 7 8	
M2-1	IAM	WATER	LVL A FOREST PAV SPRINK WATERFLOW	X	ON
M2-2	IAM	SO	LVL A FOREST PAV SPRINK TAMPER SW	X	ON
M2-3	PHOTO	SMOKE	LVL A FOREST PAV HALL BY WEST STAIR	X X	ON
M2-4	PHOTO	SMOKE	LVL A FOREST PAV HALL BY WEST STAIR	X	ON
M2-5	PHOTO	SMOKE	LVL A FOREST PAV HALL BY ELEVATOR	X X	ON
M2-6	ADRPUL	PULL	LVL A FOREST PAV LOBBY EXIT	X X	ON
M2-7	PHOTO	SMOKE	LVL A FOREST PAV ELEVATOR LOBBY	X X X	ON
M2-8	PHOTO	SMOKE	LVL A FOREST PAV HALL BY REC ROOM	X	ON
M2-9	ADRPUL	PULL	LVL A FOREST PAV EXIT IN POOL RM	X	ON
M2-10	IAM	WATER	L3 FOREST PAV SPRINKLER WATERFLOW	X	ON
M2-11	IAM	SO	L3 FOREST PAV SPRINKLER TAMPER SWITCH	X X	ON
M2-12	ADRPUL	PULL	L3 FOREST PAV WEST STAIRWELL	X	ON
M2-13	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR WEST STAIRWELL	X	ON
M2-14	PHOTO	SMOKE	L3 FOREST PAV ROOM 362	X X	ON
M2-15	PHOTO	SMOKE	L3 FOREST PAV ROOM 361	X X X	ON
M2-16	PHOTO	SMOKE	L3 FOREST PAV ROOM 364	X	ON
M2-17	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR ROOM 364	X	ON
M2-18	PHOTO	SMOKE	L3 FOREST PAV ROOM 363	X	ON
M2-19	PHOTO	SMOKE	L3 FOREST PAV ROOM 365	X X	ON
M2-20	PHOTO	SMOKE	L3 FOREST PAV ROOM 366	X	ON
M2-21	PHOTO	SMOKE	L3 FOREST PAV ROOM 368	X X	ON
M2-22	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR ROOM 368	X X	ON
M2-23	PHOTO	SMOKE	L3 FOREST PAV ELEVATOR LOBBY	X X X	ON
M2-24	PHOTO	SMOKE	L3 FOREST PAV ROOM 370	X X	ON
M2-25	PHOTO	SMOKE	L3 FOREST PAV ROOM 372	X X	ON
M2-26	PHOTO	SMOKE	L3 FOREST PAV NEAR NURSE STATION	X	ON
M2-27	PHOTO	SMOKE	L3 FOREST PAV NEAR NURSES STATION	X X	ON
M2-28	PHOTO	SMOKE	L3 RIVER PAV HALL NEAR MECANICAL RM	X X	ON
M2-29	PHOTO	SMOKE	L3 RIVER PAV HALL NEAR STAFF RM	X	ON
M2-30	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR SOLED UTILITY	X X X	ON
M2-31	RIAM	RELAY	L3 FOREST PAVSMOKE DAMPER REMOTE RELAY	X X X X	ON
M2-32	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR EQUIP STORAGE	X	ON
M2-33	PHOTO	SMOKE	L3 FOREST PAV ROOM 374	X X	ON
M2-34	PHOTO	SMOKE	L3 FOREST PAV ROOM 376	X X	ON
M2-35	PHOTO	SMOKE	L3 FOREST PAV ROOM 377	X X X	ON
M2-36	PHOTO	SMOKE	L3 FOREST PAV ROOM 379	X X	ON
M2-37	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR ROOM 379	X X X	ON
M2-38	PHOTO	SMOKE	L3 FOREST PAV ROOM 378	X X X	ON
M2-39	PHOTO	SMOKE	L3 FOREST PAV ROOM 380	X X X X	ON
M2-40	PHOTO	SMOKE	L3 FOREST PAV ROOM 381	X X	ON
M2-41	PHOTO	SMOKE	L3 FOREST PAV ROOM 383	X X X	ON
M2-42	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR ROOM 383	X X X	ON
M2-43	PHOTO	SMOKE	L3 FOREST PAV ROOM 382	X X X X	ON
M2-44	PHOTO	SMOKE	L3 FOREST PAV ROOM 384	X X X	ON
M2-45	PHOTO	SMOKE	L3 FOREST PAV HALL NEAR EAST STAIRWELL	X X X	ON
M2-46	PHOTO	SMOKE	L3 FOREST PAV ROOM 385	X X X X	ON
M2-47	ADRPUL	PULL	L3 FOREST PAV HALL NEAR EAST STAIRWELL	X X X X	ON
M2-48	PHOTO	SMOKE	L3 FOREST PAV TOP OF EAST STAIRWELL	X X X	ON
M2-49	PHOTO	SMOKE	L4 FOREST PAV STAIRWELL WEST	X X X	ON
M2-50	IAM	WATER	L4 FOREST PAV SPRINKLER WATERFLOW	X X X	ON
M2-51	IAM	SO	L4 FOREST PAV SPRINKLER TAMPER SWITCH	X X X X	ON
M2-52	ADRPUL	PULL	L4 FOREST PAV STAIRWELL WEST	X X X X	ON
M2-53	PHOTO	SMOKE	L4 FOREST PAV HALL BY ROOM 462	X X X X	ON
M2-54	PHOTO	SMOKE	L4 FOREST PAV ROOM 462	X X X X	ON
M2-55	PHOTO	SMOKE	L4 FOREST PAV ROOM 464	X X X X	ON
M2-56	PHOTO	SMOKE	L4 FOREST PAV HALL BY STAFF LOUNGE	X X X	ON
M2-57	PHOTO	SMOKE	L4 FOREST PAV ROOM 466	X X X X	ON
M2-58	PHOTO	SMOKE	L4 FOREST PAV ROOM 467	X X X X	ON
M2-59	PHOTO	SMOKE	L4 FOREST PAV ROOM 468	X X X X X	ON
M2-60	PHOTO	SMOKE	L4 FOREST PAV HALL BY ROOM 470	X X X X	ON
M2-61	PHOTO	SMOKE	L4 FOREST PAV ROOM 470	X X X X X	ON
M2-62	PHOTO	SMOKE	L4 FOREST PAV HALL BY ROOM 472	X X X X X	ON
M2-63	PHOTO	SMOKE	L4 FOREST PAV ROOM 472	X X X X X	ON
M2-64	PHOTO	SMOKE	L4 FOREST PAV ROOM 474	X	ON
M2-65	PHOTO	SMOKE	L4 FOREST PAV HALL EAST NEAR MD OFFICE	X X	ON
M2-66	PHOTO	SMOKE	L4 FOREST PAV ROOM 476	X X	ON
M2-67	PHOTO	SMOKE	L4 FOREST PAV HALL BY FAMILY CENTER	X X	ON
M2-68	PHOTO	SMOKE	L4 RIVER PAV HALL NEAR ROOM 447	X	ON
M2-69	PHOTO	SMOKE	L4 RIVER PAV NEAR ELEVATORS	X X	ON
M2-70	PHOTO	SMOKE	L4 FOREST PAV ELEVATOR LOBBY	X X X	ON
M2-71	PHOTO	SMOKE	L4 RIVER PAV ROOM 447	X X X	ON
M2-72	PHOTO	SMOKE	L4 RIVER PAV HALL BY PEDS DIR OFFICE	X	ON
M2-73	IAM	SO	L4 FOREST PAV MAIN ELEVATORS TAMPER	X X	ON
M2-74	PHOTO	SMOKE	L1 FOREST PAV ELEVTOR LOBBY	X X X	ON
M2-75	ADRPUL	PULL	LVL A FOREST PAVSTAIRWELL DOOR EXIT	X X X	ON
M2-76	HEAT	HEAT	LVL A FOREST PAV POOL MECHANICAL RM	X X X	ON
M2-77	PHOTO	SMOKE	L4 RIVER PAV ROOM 446	X X X	ON
M2-78	PHOTO	SMOKE	L4 RIVER PAV ROOM 445	X X X X	ON
M2-79	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 445	X X X X	ON
M2-80	PHOTO	SMOKE	L4 RIVER PAV ROOM 444	X X	ON
M2-81	PHOTO	SMOKE	L4 RIVER PAV ROOM 443	X X X	ON
M2-82	PHOTO	SMOKE	L4 RIVER PAV ROOM 441	X X X	ON
M2-83	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 441	X X X	ON
M2-84	PHOTO	SMOKE	L4 RIVER PAV ROOM 439	X X X	ON
M2-85	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 437	X X X	ON
M2-86	PHOTO	SMOKE	L4 RIVER PAV ROOM 437	X X X X	ON
M2-87	PHOTO	SMOKE	L4 RIVER PAV ROOM 435	X X X X	ON
M2-88	PHOTO	SMOKE	L4 RIVER PAV ROOM 436	X X X	ON
M2-89	PHOTO	SMOKE	L4 RIVER PAV ROOM 434	X X X X	ON
M2-90	PHOTO	SMOKE	L4 RIVER PAV CORRIDOR BY ROOM 434	X X X X	ON
M2-91	PHOTO	SMOKE	L4 RIVER PAV ROOM 432	X X X X X	ON
M2-92	ADRPUL	PULL	L4 RIVER PAV BY NORTH STAIRWELL	X X X X	ON
M2-93	RIAM	RELAY	L4 CENTER WING SMOKE DAMPERS	X X X X X	ON
M2-94	PHOTO	SMOKE	RIVER PAV TOP OF SERVICE ELEVATOR SHAFT	X X X X X	ON
M2-95	RIAM	RELAY	SERVICE ELEVATOR RECALL GENERAL ALARM	X X X X X X	ON
M2-96	RIAM	RELAY	SERVICE ELEVATOR RECALL ALTERNATE FLOOR	X	ON
M2-97	PHOTO	SMOKE	RIVER PAV SERVICE ELEV MACH RM ON ROOF	X	ON
M2-98	RIAM	RELAY	RIVER ELEVATOR PRESSURIZATION FAN	X X X	ON
M2-99	IAM	SO	L4 TAMPER SWITCH SERVICE ELEVATOR	X X	ON
M2-100	RIAM	RELAY	L4 RIVER PAV SMOKE DAMPER CONTROL	X X X	ON
M2-101	PHOTO	SMOKE	L3 RIVER PAV NEAR NORTH STAIRWELL	X X X	ON
M2-102	ADRPUL	PULL	L3 RIVER PAV NEAR NORTH STAIRWELL	X X X	ON
M2-103				X X X X	ON
M2-104	RIAM	RELAY	L3 RIVER PAV SMOKE DAMPER RELAY	X X X	ON
M2-105	PHOTO	SMOKE	L3 RIVER PAV NEAR SLEEP LAB	X X X	ON
M2-106				X X X X	ON
M2-107	PHOTO	SMOKE	L3 RIVER PAV CORR NEAR EEG CONTROL	X X X X	ON
M2-108				X X X X	ON
M2-109	PHOTO	SMOKE	L3 RIVER PAV LOBBY WAITING AREA	X X X X	ON
M2-110	PHOTO	SMOKE	L3 RIVER PAV LOBBY WAITING AREA	X X X X	ON
M2-111	RPHOTO	LSDUCT	RIVER PAV CNTR SUPPLY FAN	X X X X X	ON
M2-112	RPHOTO	LSDUCT	RIVER PAV CNTR EXHAUST FAN	X X X	ON
M2-113	OHEAT	HEAT	RIVER PAV SOUTH PENTHOUSE	X X X X	ON
M2-114	OHEAT	HEAT	RIVER PAV NORTH PENTHOUSE	X X X X	ON
M2-115	RIAM	RELAY	RIVER PAV CNTR SUPPLY FAN	X X X X	ON
M2-116	ADRPUL	PULL	RIVER PAV CENTER PENTHOUSE	X X X X	ON
M2-117	PHOTO	SMOKE	RIVER PAV TOP OF NORTH STAIR	X X X X X	ON
M2-118	IAM	WATER	RIVER PAV CENTER PENTHS SPRINKLER WF	X X X X X	ON
M2-119	IAM	SO	RIVER PAV CENTER PENTHS SPRINKLER TAMPER	X X X X X X	ON
M2-120	RIAM	RELAY	ELEV 7 HAT RELAY	X X X X	ON
M2-121	RIAM	RELAY	EF 1 FAN SHUTDOWN	X X X X X	ON
M2-122	RPHOTO	LSDUCT	L1 RIVER KITCHEN MUA	X X X X X	ON
M2-123	RPHOTO	LSDUCT	FOREST PAV AHU 1 SUPPLY	X X X X X X	ON
M2-124	RIAM	RELAY	L5 RIVER PAV SUPPLY AHU DAMPER CONTROL	X X X X X	ON
M2-125	IAM	SO	ROOF PAV ELEV 7 SHUNT PNL B4-2	X X X X X X	ON
M2-126				X X X X X X	ON
M2-127	IAM	SO	LVL A FOREST PAV ELEV 2 & 3 PIT TAMPER	X X X X X X	ON
M2-128				X	ON
THRU					ON
M2-250				X X X X X X X	ON

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IDNET CHANNEL M3

Address	Device Type	ADDRESSES IN USE: 69 (27.6%) | SPARE ADDRESSES: 181 (72.4%) Point Type	Location Description	SWITCH SETTINGS 1 2 3 4 5 6 7 8	
M3-1	RIAM	RELAY	MEADOW PAV SMOKE DAMPER CONTROL	X	ON
M3-2	RPHOTO	LSDUCT	MEADOW PAV PENTHOUSE FCU-1	X	ON
M3-3	RIAM	RELAY	FOREST PAV PRIMARY ELEVATOR RECALL	X X	ON
M3-4	RIAM	RELAY	FOREST PAV ALTERNATE ELEVATOR RECALL	X	ON
M3-5	RIAM	RELAY	NORTH ELEVATOR MACHINE ROOM LED	X X	ON
M3-6	PHOTO	SMOKE	FOREST PAV TOP OF ELEVATOR SHAFT	X X	ON
M3-7	RIAM	RELAY	FOREST PAV ELEVATOR PRESSURIZATION FAN	X X X	ON
M3-8	IAM	SO	LVL A FOREST PAV ELEV SHUNT PNL 2CA-2	X	ON
M3-9				X X X	ON
M3-10	PHOTO	SMOKE	LVL A FOREST PAV ELEVATOR MACH RM	X X	ON
M3-11	RIAM	RELAY	L1 MEADOW SECURITY DOORS	X X X	ON
M3-12				X X	ON
M3-13				X X X	ON
M3-14				X X X	ON
M3-15				X X X X	ON
M3-16				X	ON
M3-17				X X X	ON
M3-18				X X X	ON
M3-19				X X X	ON
M3-20				X X	ON
M3-21				X X X	ON
M3-22				X X X	ON
M3-23				X X X X	ON
M3-24				X X X	ON
M3-25				X X X	ON
M3-26				X X X X	ON
M3-27				X X X X	ON
M3-28				X X X	ON
M3-29	PHOTO	SMOKE	LVL A MEADOW PAV APARTMENT	X X X X	ON
M3-30	OHEAT	HEAT	LVL A MEADOW PAV APARTMENT BEDROOM	X X X X	ON
M3-31	PHOTO	SMOKE	LVL A MEADOW PAV BY O T TREATMENT COR	X X X X X	ON
M3-32	PHOTO	SMOKE	LVL A MEADOW PAV BY O T REHAB	X	ON
M3-33	PHOTO	SMOKE	LVL A MEADOW PAV BY O T REHAB	X X	ON
M3-34	PHOTO	SMOKE	LVL A MEADOW PAV BY STAFF RESTROOM	X X	ON
M3-35	PHOTO	SMOKE	LVL A MEADOW PAV BY PUBLIC RESTROOM	X X X	ON
M3-36	PHOTO	SMOKE	LVL A MEADOW PAVBY OCCUPATIONAL CLINI	X X	ON
M3-37	PHOTO	SMOKE	LVL A MEADOW PAV BY OCCUPATIONAL CLIN	X X X	ON
M3-38	PHOTO	SMOKE	LVL A MEADOW PAV CORR BY P T MAIN GYM	X X X	ON
M3-39	PHOTO	SMOKE	LVL A MEADOW PAV CORR BY DOOR A-W-012	X X X	ON
M3-40	PHOTO	SMOKE	LVL A MEADOW PAVCORR BY P T CASTING	X X	ON
M3-41	PHOTO	SMOKE	LVL A MEADOW PAVCORR BY DOOR A-W-086	X X X	ON
M3-42	ADRPUL	PULL	LVL A MEADOW PAV BY SOCIAL WORKERS	X X X	ON
M3-43	PHOTO	SMOKE	LVL A MEADOW PAV CORR BY SHOWER RM 2	X X X X	ON
M3-44	PHOTO	SMOKE	LVL A MEADOW PAV CORRIDOR BY ROOM 43	X X X	ON
M3-45	PHOTO	SMOKE	LVL A MEADOW PAV CORRIDOR BY ROOM 42	X X X	ON
M3-46	PHOTO	SMOKE	LVL A MEADOW PAV CORR BY CLEAN UTILIT	X X X X	ON
M3-47	HEAT	HEAT	LVL A MEADOW PAV OUTSIDE VAULT	X X X X	ON
M3-48	HEAT	HEAT	LVL A MEADOW PAV ELEC VAULT	X X X	ON
M3-49				X X X	ON
M3-50				X X X	ON
M3-51				X X X X	ON
M3-52				X X X	ON
M3-53	IAM	WATER	LVL A MEADOW PAV OLD WEST FLOW	X X X X	ON
M3-54	IAM	SO	LVL A MEADOW PAV OLD WEST TAMPER	X X X X	ON
M3-55				X X X X	ON
M3-56				X X X	ON
M3-57				X X X X	ON
M3-58				X X X X	ON
M3-59				X X X X	ON
M3-60	SIGIAM	SSIGNAL	L1 RIVER PAVPATIO MECH RM TRIGGER NAC	X X X X	ON
M3-61	PHOTO	SMOKE	L1 RIVER PAVPATIO MECH RM	X X X X X	ON
M3-62	RPHOTO	LSDUCT	L1 RIVER PAVCAFE SERVERY	X X X X X	ON
M3-63	IAM	FIRE	L1 RIVER PAVCAFE SERVERY HOOD SYSTEM	X X X X X	ON
M3-64	HEAT	HEAT	L1 RIVER PAVCAFE SERVERY	X X	ON
M3-65	PHOTO	SMOKE	L1 RIVER PAVCAFE SERVERY	X X X	ON
M3-66				X X X	ON
M3-67	RPHOTO	LSDUCT	L1 RIVER PAVCAFE SERVERY	X X X	ON
M3-68				X X X	ON
M3-69	HEAT	HEAT	L1 RIVER PAVCAFE SERVERY	X X X	ON
M3-70				X X X X	ON
M3-71	HEAT	HEAT	L1 RIVER PAVCAFE SERVERY	X X X X	ON
M3-72	HEAT	HEAT	L1

TRANSPONDER 2ND FLR CENTER 4100es XPDR BATTERY CALCULATION

Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment						
4100-9601	1	4100ES FIRE ALARM LOCAL MODE TRANSPONDER PANEL, 120 VAC	0.0380	0.0380	0.0380	0.0380
4100-9128	2	4100ES, DUAL MODULE, 160 TO 250 DEVICES ENCLOSED HOUSE	0.0540	0.1080	0.0540	0.1080
4100-5401	2	4100ES ES Power Supply Only	0.0680	0.1360	0.0770	0.1540
4100-5404	2	4100ES ES, CAN	0.0680	0.1360	0.0680	0.1360
4100-3206	1	4100ES 8 RELAYS - 3 AMP	0.0150	0.0150	0.1900	0.1900
4100-3204	1	4100ES DUAL SUPPLY SUPERVISORY	0.0195	0.0195	0.0195	0.0195
4100-5131	3	4100ES ES PS Fan Module	0.0000	0.0000	0.2000	0.6000
		Panel Totals		0.4765		1.0120
IDNet Addressable Devices (SLC)						
4090-9001	8	INDIVIDUAL ADDRESSABLE MODULE	Constant current draw of .8mA standby and 1mA alarm per address used. Devices requiring additional current are accounted for in the section labeled Miscellaneous Peripheral Devices Requiring Additional System Power.			
4090-9002	6	IDNET RELAY IAM, ADDR.				
4098-9714	174	SMOKE SENSOR, ADDR., PHOTOELECTRIC				
4098-9733	1	HEAT SENSOR, ADDR., STANDARD				
4098-9756	3	DUCT SMOKE DETECTOR W/ RELAY OUTPUT, ADDR.				
4098-9791	2	4-WIRE RELAY BASE, ADDR.				
4098-9792	173	STANDARD BASE, ADDR.				
4099-9004	13	MANUAL PULL STATION, SINGLE ACTION, ADDR.				
Miscellaneous Peripheral Devices That Require (Additional) System Power						
4098-9843	3	ENCAPSULATED RELAY	0.0000	0.0000	0.0150	0.0450
2098-9737	2	DETECTOR ACCESSORY - ENCAPSULATED RELAY	0.0000	0.0000	0.0240	0.0480
4098-9756	3	DUCT SMOKE DETECTOR W/ RELAY OUTPUT, ADDR.	0.0030	0.0090	0.0150	0.0450
4098-9791	2	4-WIRE RELAY BASE, ADDR.	0.0003	0.0005	0.0040	0.0080
		Peripheral Totals		0.0095		13.6460
		Address Totals 205 Addresses		0.1640		0.2050
		System Totals*:	Standby	0.8075	Alarm	15.3780

* Device Address current draw included below. (See Additional Current Draws):
IDNet cards include 40mA alarm current for 20 device LEDs in alarm in addition to base current listed on datasheet.
1. Base FACP includes current draw for all included components. See data sheet for details.

			Standby Current	Standby Total	Alarm Current	Alarm Total
Battery Set #1 (Cabinet/Charger #1)						
Solon #1, Power Charger w/ Dual Battery Leads						
ESPS-1				0.1935		5.6550
ESPS-2				0.2000		9.2090
ESPS-3				0.2500		0.3090
			Sub Total	0.6435		15.1730
Additional Current Draws:						
RUI Connected Peripheral Devices	0	x 0.0035		= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Address Communication Current	205	x 0.000800		= 0.1640	x 0.001000	= 0.2050
			Sub Total	0.8075		15.3780
Spare addressable point capacity	0%	0 x 0.0008		= 0.0000	x 0.001	= 0.0000
			Total	0.8075		15.3780
Standby Time = 24 Hrs		x 0.8075		= 19.3810	Standby Ah	
Alarm Time = 5 Min		0.08333 x 15.378		= 1.2815	Alarm Ah	
				20.6625		
Additional Spare Battery Capacity = 0%			+	0.0000		
				20.6625		
Battery Discharge Factor = 20%			+	4.1325		
Minimum Battery Required		2081-9287 25AH (2x)		24.7950		
		Power Supply 2081-9287 25AH (2x)				

* System Totals represent total system current requirements. Those currents may be distributed between multiple battery sets or power supplies as shown above.

POWER SUPPLY SUMMARY			Powered By Ext. Source Qty.		
Module	Qty	Description		Standby Current	Alarm Current
ADDRESSABLE DEVICES REQUIRING 24VDC AUX. POWER					
4098-9756	3	DUCT SMOKE DETECTOR W/ RELAY OUTPUT, ADDR.	0	0.0030	0.0150
4098-9791	2	4-WIRE RELAY BASE, ADDR.	0	0.0003	0.0040
MISCELLANEOUS 24VDC PERIPHERALS					
4098-9843	3	ENCAPSULATED RELAY	0	0.0000	0.0150
2098-9737	2	DETECTOR ACCESSORY - ENCAPSULATED RELAY	0	0.0000	0.0240
		24vdc Aux Totals		0.0095	0.1460
PANEL COMPONENTS POWERED BY POWER SUPPLY					
4100-9601	1	4100ES FIRE ALARM LOCAL MODE TRANSPONDER PANEL, 120 VAC		0.0380	0.0380
4100-9128	2	4100ES, DUAL MODULE, 160 TO 250 DEVICES ENCLOSED HOUSE		0.0540	0.1080
4100-5401	2	4100ES ES Power Supply Only		0.0680	0.0770
4100-5404	2	4100ES ES, CAN		0.0680	0.0680
4100-3206	1	4100ES 8 RELAYS - 3 AMP		0.0150	0.1900
4100-3204	1	4100ES DUAL SUPPLY SUPERVISORY		0.0195	0.0195
4100-5131	3	4100ES ES PS Fan Module		0.0000	0.2000
		Panel Totals		0.4765	1.0120
		NAC Currents from Voltage Drops		0.0000	4.5000
		IDNac Current Boost for 29vdc Regulated Output *		0.0000	0.0000
		MAPNET/IDNet Device Addresses used	105	0.0840	0.1050
			Total	0.1935	5.6550

ESPS-1 SUMMARY		
Qty	Total Standby	Total Alarm
3	0.0090	0.0450
2	0.0005	0.0080
3	0.0000	0.0450
2	0.0000	0.0480
1	0.0000	0.1000
1	0.0000	0.0000
Total	0.0095	0.2460

ESPS-2 SUMMARY		
Qty	Total Standby	Total Alarm
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
Total	0.0000	0.0000

ESPS-3 SUMMARY		
Qty	Total Standby	Total Alarm
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
0	0.0000	0.0000
Total	0.0000	0.0000

ESPS-1 Configuration	
Capacity:	12.700A
Ckt. Capacity:	3.000A
Aux. Capacity:	2.000A

ESPS-2 Configuration	
Capacity:	9.500A
Ckt. Capacity:	3.000A
Aux. Capacity:	2.000A

ESPS-3 Configuration	
Capacity:	9.500A
Ckt. Capacity:	3.000A
Aux. Capacity:	2.000A

AUXILIARY RELAY SCHEDULE			
RELAY #	POINT TYPE	CUSTOM LABEL	
41		2ND FLR EAST WING NUC MED DAMPERS	AUX41

VOLTAGE DROP SUMMARY					Class B Spare Circuit Capacity
Plan Circuit	Description		Load	% Drop	
SIG69	SPARE	SIG69	0.000A	0.00%	100.00%
SIG70	SPARE	SIG70	0.000A	0.00%	100.00%
SIG71	SPARE	SIG71	0.000A	0.00%	100.00%
			0.000A	Total	

VOLTAGE DROP SUMMARY					Class B Spare Circuit Capacity
Plan Circuit	Description		Load	% Drop	
SIG72	SPARE	SIG72	0.000A	0.00%	100.00%
SIG73	SPARE	SIG73	0.000A	0.00%	100.00%
SIG74	SPARE	SIG74	0.000A	0.00%	100.00%
			0.000A	Total	

VOLTAGE DROP SUMMARY					Class B Spare Circuit Capacity
Plan Circuit	Description		Load	% Drop	
SIG57	FLR 2 EAST WING NORTH STROBES	SIG57	1.500A	14.17%	21.06%
SIG58	FLR 3 SOUTH WING	SIG58	1.500A	14.17%	21.06%
SIG59	FLR 2 SOUTH WING DOCTORS LOUNGE	SIG59	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG57 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG57-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY					Class B Spare Circuit Capacity
Plan Circuit	Description		Load	% Drop	
SIG63	FLR 2 SOUTH WING STROBES	SIG63	1.500A	14.17%	21.06%
SIG64	FLR 2 WEST WING NUC MED STROBES	SIG64	1.500A	14.17%	21.06%
SIG65	FLR 2 ATU STROBES	SIG65	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG63 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG63-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

VOLTAGE DROP SUMMARY					Class B Spare Circuit Capacity
Plan Circuit	Description		Load	% Drop	
SIG66	FLR 2 ER SOUTH STROBES	SIG66	1.500A	14.17%	21.06%
SIG67	FLR 5 SOUTH WING	SIG67	1.500A	14.17%	21.06%
SIG68	FLR 5 SOUTH WING	SIG68	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG66 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG66-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG58 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG58-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG64 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG64-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG67 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG67-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG59 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG59-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG65 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG65-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG68 Distributed Load Voltage Drop

Allowable % Drop: 17.9% | Wire Gauge: 14ga | Starting Voltage: 19.5vdc | Ckt Capacity: 3.A
Wire Res. Per Ft.: 0.003070 @ 75° Celsius | Min. Device Voltage: 16.vdc | % Voltage Drop: 14.17%

Normal Operation

Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG68-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

IDNET CHANNEL M5			ADDRESSES IN USE: 105 (42%) | SPARE ADDRESSES: 145 (58%)	SWITCH SETTINGS								
Address	Device Type	Point Type	Location Description	1	2	3	4	5	6	7	8	
M5-1	PHOTO	SMOKE	L2 RIVER PAV LOST & FOUND	X								ON
M5-2	PHOTO	SMOKE	L2 RIVER PAV GYM		X							ON
M5-3				X	X							ON
M5-4	PHOTO	SMOKE	L2 RIVER PAV SLEEPROOM			X						ON
M5-5	PHOTO	SMOKE	L2 RIVER PAV HALL BY N STAIR	X		X						ON
M5-6	PHOTO	SMOKE	L2 RIVER PAV SOILED UTILITY		X	X						ON
M5-7	PHOTO	SMOKE	L2 RIVER PAV QLTY MAN OFFICE	X	X	X						ON
M5-8	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 9				X					ON
M5-9	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 10	X			X					ON
M5-10	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 11		X		X					ON
M5-11	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 12	X	X		X					ON
M5-12	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 14			X	X					ON
M5-13	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 16	X		X	X					ON
M5-14	PHOTO	SMOKE	L2 RIVER PAV OBS PATIENT RESTROOM		X	X	X					ON
M5-15	PHOTO	SMOKE	L2 RIVER PAV OBS SOILED UTILITY ROOM	X	X	X	X					ON
M5-16	PHOTO	SMOKE	L2 RIVER PAVILION TOU MED ROOM					X				ON
M5-17	PHOTO	SMOKE	L2 RIVER PAV OBS CARE STATION	X				X				ON
M5-18	PHOTO	SMOKE	L2 RIVER PAV OBS HALLWAY		X			X				ON
M5-19	PHOTO	SMOKE	L2 RIVER PAVILION TOU ROOM 17	X	X			X				ON
M5-20	PHOTO	SMOKE	L2 RIVER PAV OBS ANTE ROOM			X		X				ON
M5-21	PHOTO	SMOKE	L2 RIVER PAV OBS HALLWWAY	X		X		X				ON
M5-22	PHOTO	SMOKE	L2 RIVER PAV MOUNT ADAMS CONFER RM		X	X		X				ON
M5-23	PHOTO	SMOKE	L2 RIVER PAV IT CLOSET	X	X	X		X				ON
M5-24	PHOTO	SMOKE	L2 RIVER PAV CYTO TECH OFFICE E-2-93				X	X				ON
M5-25	PHOTO	SMOKE	L2 RIVER PAV PATHOLOGY HALL BY E-2-97	X			X	X				ON
M5-26	PHOTO	SMOKE	L2 RIVER PAV PATHOLOGY OFFICE E-2-94		X		X	X				ON
M5-27	RIAM	RELAY	L2 RIVER PAV DAMPER RELAY	X	X		X	X				ON
M5-28	PHOTO	SMOKE	L2 RIVER PAV SLEEPROOM E-2-75			X	X	X				ON
M5-29	PHOTO	SMOKE	L2 RIVER PAV PATH HALL BY E-2-100	X		X	X	X				ON
M5-30	PHOTO	SMOKE	L2 RIVER PAV PATH EQUIP STRGE E-2-99		X	X	X	X				ON
M5-31	PHOTO	SMOKE	L2 RIVER PAV CYTO ASSIST OFF E-2-95	X	X	X	X	X				ON
M5-32	PHOTO	SMOKE	L2 RIVER PAV SLIDE PROCESSING E-2-97						X			ON
M5-33	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH OPEN AREA	X					X			ON
M5-34	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH BY RM 2 E-2-029		X				X			ON
M5-35	ADRPUL	PULL	L2 RIVER PAV OBS SOUTH BY RM 2 E-028	X	X				X			ON
M5-36	RIAM	RELAY	L2 RIVER PAV FIRE/SMOKE DAMPERS			X			X			ON
M5-37	ADRPUL	PULL	L2 RIVER PAV HALLWAY EXIT	X		X			X			ON
M5-38	PHOTO	SMOKE	L2 RIVER PAV HALLWAY		X	X			X			ON
M5-39	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH OPEN BAY AREA	X	X	X			X			ON
M5-40	PHOTO	SMOKE	L2 RIVER PAV ELECTRICAL ROOM			X			X			ON
M5-41	PHOTO	SMOKE	L2 RIVER PAVOBS SOUTH PAT RM 2-E-029	X		X			X			ON
M5-42	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH PAT RM 2-E-030		X	X			X			ON
M5-43	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH E RESTROOM	X	X				X			ON
M5-44	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH STAFF LOUNGE		X	X			X			ON
M5-45	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH OFFICE 2-E-109	X		X			X			ON
M5-46	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH RM 2-E-108		X	X			X			ON
M5-47	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH SOILED UTILITY	X	X	X	X		X			ON
M5-48	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH EQUIP STOR					X	X			ON
M5-49	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH OFFICE 2-E-105	X				X	X			ON
M5-50	PHOTO	SMOKE	L2 RIVER PAV JANITORS CLOSET 2-E-036		X			X	X			ON
M5-51	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH PAT RM 2-E-034	X	X			X	X			ON
M5-52	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH PAT RM 2-E-033			X		X	X			ON
M5-53	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH PAT RM 2-E-032	X		X		X	X			ON
M5-54	PHOTO	SMOKE	L2 RIVER PAV OBS SOUTH W RESTROOM		X	X		X	X			ON
M5-55	IAM	SO	14TH AVE SPRINKLER TAMPER SWITCH	X	X	X		X	X			ON
M5-56						X	X	X				ON
M5-57				X		X	X	X				ON
M5-58					X	X	X	X				ON
M5-59				X	X		X	X	X			ON
M5-60	PHOTO	SMOKE	L2 RIVER PAV TFP OFFICE E-2-102			X	X	X	X			ON
M5-61	PHOTO	SMOKE	L2 RIVER PAV CONFER/PLAN RM E-2-98	X		X	X	X	X			ON
M5-62	PHOTO	SMOKE	L2 RIVER PAV HALL BY E-2-102		X	X	X	X	X			ON
M5-63	PHOTO	SMOKE	L2 RIVER PAV TRANSCRIPTION E-2-101	X	X	X	X	X	X			ON
M5-64	PHOTO	SMOKE	L2 RIVER PAVPATHOLOGY OFFICE E-2-96						X			ON
M5-65	RPHOTO	LSDUCT	FLRS RIVER PAV AIR HANDLER SUPPLY	X					X			ON
M5-66	RPHOTO	LSDUCT	FLRS RIVER PAV AIR HANDLER EXHAUST		X				X			ON
M5-67	PHOTO	SMOKE	FLRS RIVER PAV ELEV 1 LOBBY	X	X				X			ON
M5-68						X			X			ON
M5-69				X		X			X			ON
M5-70					X	X			X			ON
M5-71	PHOTO	SMOKE	L2 RIVER PAV PHP LOUNGE	X	X	X			X			ON
M5-72	PHOTO	SMOKE	L2 RIVER PAV PHP TOILET				X		X			ON
M5-73	PHOTO	SMOKE	L2 RIVER PAV PHP N STORAGE	X			X		X			ON
M5-74	PHOTO	SMOKE	L2 RIVER PAV PHP JANITORS RM		X		X		X			ON
M5-75	PHOTO	SMOKE	L2 RIVER PAV PHP CORRIDOR	X	X		X		X			ON
M5-76	PHOTO	SMOKE	L2 RIVER PAV PHP OFFICE			X	X		X			ON
M5-77	PHOTO	SMOKE	L2 RIVER PAV PHP	X		X	X		X			ON
M5-78	PHOTO	SMOKE	L2 RIVER PAV PHP		X	X	X		X			ON
M5-79	ADRPUL	PULL	L2 RIVER PAV PHP	X	X	X	X		X			ON
M5-80	PHOTO	SMOKE	L2 RIVER PAV PHP					X	X			ON
M5-81	RIAM	RELAY	L2 RIVER PAV DAMPERS	X				X	X			ON
M5-82	PHOTO	SMOKE	L2 RIVER PAV ELECT ROOM		X			X	X			ON
M5-83	PHOTO	SMOKE	L2 RIVER PAVILION PHP OFFICE	X	X			X	X			ON
M5-84	PHOTO	SMOKE	L2 RIVER PAV PHP			X		X	X			ON
M5-85	ADRPUL	PULL	L2 RIVER PAV PHP	X		X		X	X			ON
M5-86	PHOTO	SMOKE	L2 RIVER PAV FOUNDATION WAITING RM		X	X		X	X			ON
M5-87	ADRPUL	PULL	L2 RIVER PAVILION FOUNDATION OFFICE	X	X	X		X	X			ON
M5-88	PHOTO	SMOKE	L2 RIVER PAV FOUNDATION OFFICE				X	X	X			ON
M5-89	PHOTO	SMOKE	L2 RIVER PAVILION FOUNDATION COPY RM	X			X	X	X			ON
M5-90	PHOTO	SMOKE	L2 RIVER PAV FOUNDATION OFFICE		X		X	X	X			ON
M5-91	PHOTO	SMOKE	L2 RIVER PAV OBS CORRIDOR	X	X		X	X	X			ON
M5-92	PHOTO	SMOKE	L2 RIVER PAV OBS CORRIDOR			X	X	X	X			ON
M5-93	ADRPUL	PULL	L2 RIVER PAV OBS CORRIDOR	X		X	X	X	X			ON
M5-94	PHOTO	SMOKE	L2 RIVER PAV OBS CORRIDOR		X	X	X	X	X			ON
M5-95	PHOTO	SMOKE	L2 RIVER PAV OBS CORRIDOR	X	X	X	X	X	X			ON
M5-96	PHOTO	SMOKE	L2 RIVER PAV OBS CORRIDOR					X	X			ON
M5-97	ADRPUL	PULL	L2 RIVER PAV OBS CORRIDOR	X				X	X			ON
M5-98					X			X	X			ON
M5-99	RIAM	RELAY	FLR3 AND 4 EXHAUST DAMPERS	X	X			X	X			ON
M5-100						X		X	X			ON
M5-101	PHOTO	SMOKE	L2 RIVER PAV TFP OFFICE	X		X		X	X			ON
M5-102	PHOTO	SMOKE	L2 RIVER PAV TFP OFFICE		X	X		X	X			ON
M5-103	PHOTO	SMOKE	L2 RIVER PAV OFFICE	X	X	X		X	X			ON
M5-104								X	X			ON
M5-105	PHOTO	SMOKE	L2 RIVER PAV OFFICE	X			X	X	X			ON
M5-106	PHOTO	SMOKE	L2 RIVER PAV OFFICE		X		X	X	X			ON
M5-107	PHOTO	SMOKE	L2 RIVER PAV OFFICE	X	X		X	X	X			ON
M5-108	PHOTO	SMOKE	L2 RIVER PAVOBS CORR BY ROOM 12			X	X	X	X			ON
M5-109	PHOTO	SMOKE	L2 RIVER PAV OFFICE 2-C-017	X		X	X	X	X			ON
M5-110	PHOTO	SMOKE	L2 RIVER PAV SECURITY WORK ROOM		X	X	X	X	X			ON
M5-111	PHOTO	SMOKE	L2 RIVER PAV SLEEPROOM E-2-73	X	X	X	X	X	X			ON
M5-112								X	X			ON
M5-113				X				X	X			ON
M5-114					X			X	X			ON
M5-115				X	X			X	X			ON
M5-116					X			X	X			ON
M5-117				X		X		X	X			ON
M5-118					X	X		X	X			ON
M5-119				X	X			X	X			ON
M5-120	IAM	SO	L2 RIVER SOUTH STAIRWAY			X	X	X	X			ON
M5-121				X		X	X	X	X			ON
M5-122					X	X	X	X	X			ON
M5-123	RIAM	RELAY	L2 RIVER PAV FSD	X	X	X	X	X	X			ON
M5-124						X	X	X	X			ON
M5-125	PHOTO	SMOKE	L2 RIVER PAV OBS STORAGE ROOM	X		X	X	X	X			ON
M5-126	PHOTO	SMOKE	L2 RIVER PAV OBS EXAM ROOM 7		X	X	X	X	X			ON
M5-127	PHOTO	LATSUPV	L2 RIVER PAV SECURITY KITCHEN	X	X	X	X	X	X			ON
M5-128										X		ON
THRU												ON
M5-250				X		X	X	X	X	X		ON

NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

IDNET CHANNEL M6			ADDRESSES IN USE: 100 (40%) | SPARE ADDRESSES: 150 (60%)	SWITCH SETTINGS								
Address	Device Type	Point Type	Location Description	1	2	3	4	5	6	7	8	
M6-1	PHOTO	SMOKE	L2 RIVER PAVILION TOU EXAM ROOM 6	X								ON
M6-2	PHOTO	SMOKE	L2 RIVER PAV ADMIN OPEN OFFICE AREA		X							ON
M6-3	PHOTO	SMOKE	L2 RIVER PAV NORTH STAIR BY CHAPEL	X	X							ON
M6-4	PHOTO	SMOKE	L2 RIVER PAV VOLUNTEER SERVICES			X						ON
M6-5	PHOTO	SMOKE	L2 RIVER PAV CORR BY STAIRS NORTH	X		X						ON
M6-6	ADRPUL	PULL	L2 RIVER PAV CORR BY STAIRS NORTH		X	X						ON
M6-7	PHOTO	SMOKE	L2 RIVER PAV VOLUNTEER SERVICES RECEP	X	X	X						ON
M6-8	PHOTO	SMOKE	L2 RIVER PAV VOLUNTEER SERVICES WEST				X					ON
M6-9	PHOTO	SMOKE	L2 RIVER PAV VOLUNTEER SERVICES EAST	X			X					ON
M6-10	PHOTO	SMOKE	L2 RIVER PAV HALL BY		X		X					ON
M6-11	PHOTO	SMOKE	L2 RIVER PAV SECURITY LOCKER ROOM	X	X		X					ON
M6-12	PHOTO	SMOKE	L2 RIVER PAV QLTY MAN OFFICE			X	X					ON
M6-13	PHOTO	SMOKE	L2 RIVER PAV SLEEPROOM	X		X	X					ON
M6-14	PHOTO	SMOKE	L2 RIVER PAV HALL BY		X	X	X					ON
M6-15	PHOTO	SMOKE	L2 RIVER PAV CORR EAST OF ADMIN	X	X	X	X					ON
M6-16	PHOTO	SMOKE	L2 RIVER PAV CORR EAST OF ADMIN					X				ON
M6-17	PHOTO	SMOKE	L2 RI

TRANSPONDER 2ND FLR NORTH 4100es XPDR BATTERY CALCULATION

Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment						
4100-9600	1	4100ES FIRE ALARM TRANSPONDER PANEL, 120 VAC	0.0360	0.0360	0.0360	0.0360
4100-0621	1	4100 ANALOG AUDIO RISER MODULE	0.0150	0.0150	0.0150	0.0150
4100-0634	1	4100 POWER DISTRIBUTION MODULE 120V	0.0000	0.0000	0.0000	0.0000
4100-3206	1	4100ES 8 RELAYS - 3 AMP	0.0150	0.0150	0.1900	0.1900
4100-3109	1	4100ES ISOLATED MODULE - UP TO 250 DEVICES 2 ISOLATED LOOPS	0.0250	0.0250	0.1000	0.1000
4100-5401	1	4100ES ES Power Supply Only	0.0680	0.0680	0.0770	0.0770
4100-5402	1	4100ES ES-PS Chassis	Shared	Shared	Shared	Shared
4100-5131	1	4100ES ES-PS Fan Module	0.0000	0.0000	0.2000	0.2000
		Panel Totals		0.2500		0.5840
IDNet Addressable Devices (SLC)						
4009-9401	1	4009 TRUEALERT ADDRESSABLE CONTROLLER, 120 VAC, BEIGE				
4090-9001	13	INDIVIDUAL ADDRESSABLE MODULE				
4090-9002	5	IDNET RELAY IAM, ADDR.				
4098-9714	110	SMOKE SENSOR, ADDR., PHOTOELECTRIC				
4098-9733	8	HEAT SENSOR, ADDR., STANDARD				
4098-9792	118	STANDARD BASE, ADDR.				
4099-9004	11	MANUAL PULL STATION, SINGLE ACTION, ADDR.				
Conventional Notification Appliances		Setting				
EXIST-DEV1	3	EXISTING SG NOTIFICATION APPLIANCES	0.0000	0.0000	1.5000	4.5000
		Peripheral Totals		0.0000		4.5000
		Address Totals 148 Addresses		0.1184		0.1480
		System Totals*: Standby	0.3684		Alarm	5.3320

Constant current draw of .8mA standby and 1mA alarm per address used. Devices requiring additional current are accounted for in the section labeled Miscellaneous Peripheral Devices Requiring Additional System Power.

* Device Address current draw included below (See Additional Current Draws):
IDNet cards include 40mA alarm current for 20 device LEDs in alarm in addition to base current listed on datasheet.
1. Base FACP includes current draw for all included components. See data sheet for details.

Battery Set #1 (Cabinet/Charger #1)
Select ALL Power Supplies on this battery set.

			Standby Current	Standby Total	Alarm Current	Alarm Total
ESPS-1				0.2500		5.1840
		Sub Total		0.2500		5.1840
Additional Current Draws:						
RUI Connected Peripheral Devices	0	x 0.0035		= 0.0000	x 0.0035	= 0.0000
MAPNET/IDNet Device Address Communication Current	148	x 0.000800		= 0.1184	x 0.001000	= 0.1480
		Sub Total		0.3684		5.3320
Spare addressable point capacity	0%	0 x 0.0008		= 0.0000	x 0.001	= 0.0000
		Total		0.3684		5.3320
Standby Time = 24 Hrs		x 3.6584		= 8.8416	Standby Ah	
Alarm Time = 5 Min		0.08333 x 5.332		= 0.4443	Alarm Ah	
				9.2859		
Additional Spare Battery Capacity = 0%			+	0.0000		
				9.2859		
Battery Discharge Factor = 20%			*	1.8572		
Minimum Battery Required 2081-9288 12.7AH (2x)				11.1431		

Battery Options: 2081-9287 25AH (2x)

* System Totals represent total system current requirements. Those currents may be distributed between multiple battery sets or power supplies as shown above.

POWER SUPPLY SUMMARY			Powered By Ext. Source Qty.	Standby Current	Alarm Current
Module	Qty	Description			
				24vdc Aux Totals	
PANEL COMPONENTS POWERED BY POWER SUPPLY					
4100-9600	1	4100ES FIRE ALARM TRANSPONDER PANEL, 120 VAC		0.0360	0.0360
4100-0621	1	4100 ANALOG AUDIO RISER MODULE		0.0150	0.0150
4100-0634	1	4100 POWER DISTRIBUTION MODULE 120V		0.0000	0.0000
4100-3206	1	4100ES 8 RELAYS - 3 AMP		0.0150	0.1900
4100-3109	1	4100ES ISOLATED MODULE - UP TO 250 DEVICES 2 ISOLATED LOOPS		0.0250	0.1000
4100-5401	1	4100ES ES Power Supply Only		0.0680	0.0770
4100-5402	1	4100ES ES-PS Chassis		Shared	Shared
4100-5131	1	4100ES ES-PS Fan Module		0.0000	0.2000
				Components	
		NAC Currents from Voltage Drops		0.0000	4.5000
		IDNac Current Boost for 29vdc Regulated Output *		0.0000	0.0000
		MAPNET/IDNet Device Addresses used	148	0.1184	0.1480
			Total	0.2500	5.1840

ESPS-1 SUMMARY			
Qty		Total Standby	Total Alarm
		0.0000	0.0000
1		0.0360	0.0360
1		0.0150	0.0150
1		0.0000	0.0000
1		0.0150	0.1900
1		0.0680	0.0770
		Shared	Shared
1		0.0000	0.2000
		Power	Totals
		0.0000	4.5000
		0.0000	0.0000
148		0.1184	0.1480
Total		0.2500	5.1840

ESPS-1 Configuration	
Capacity:	12.700A
Ckt. Capacity:	3.000A
Aux. Capacity:	2.000A

VOLTAGE DROP SUMMARY					Class B Spare Circuit Capacity
Plan Circuit	Description		Load	% Drop	
SIG75	FIRST FLOOR CENTER WING	SIG75	1.500A	14.17%	21.06%
SIG76	SECOND FLOOR NORTH WING	SIG76	1.500A	14.17%	21.06%
SIG77	FIRST FLOOR NORTH WING	SIG77	1.500A	14.17%	21.06%
			4.500A	Total	

POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

SIG75 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Circuit Capacity: 3.A
Wire Res. Per. Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

			Normal Operation			
Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG75-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG76 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity 3.A
Wire Res. Per. Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

			Normal Operation			
Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG76-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

SIG77 Distributed Load Voltage Drop

Allowable % Drop: 17.9%
Wire Gauge: 14ga
Starting Voltage: 19.5vdc
Ckt Capacity 3.A
Wire Res. Per. Ft. 0.003070 @ 75° Celsius
Min. Device Voltage: 16.vdc
% Voltage Drop 14.17%

			Normal Operation			
Device #	PID	Setting	Distance (Feet)	Device Current	Voltage Drop	Voltage At Device	Existing?
SIG77-1	EXIST-DEV1		300	1.500	2.763	16.74	No
		Totals:	300 Ft.	1.500A			

IDNET CHANNEL M7		ADDRESSES IN USE: 148 (59.2%) | SPARE ADDRESSES: 102 (40.8%)		SWITCH SETTINGS
Address	Device Type	Point Type	Location Description	1 2 3 4 5 6 7 8
M7-1	PHOTO	SMOKE	L2 FOREST PAV HALL AT CTR STR	X ON
M7-2	ADRPUL	PULL	L2 FOREST PAV CENTER STAIRS	X ON
M7-3	PHOTO	SMOKE	L2 FOREST PAV CENTER STAIRS	X X ON
M7-4	PHOTO	SMOKE	L2 FOREST PAV MAIN ELEVATOR LOBBY	X ON
M7-5	PHOTO	SMOKE	L2 FOREST PAV ELECL RM ABOVE XPDR	X X ON
M7-6	RIAM	RELAY	L2 FOREST PAV ELECTRICAL ROOM	X X ON
M7-7	PHOTO	SMOKE	L2 FOREST PAV HALL BY RM 272	X X X ON
M7-8	PHOTO	SMOKE	L2 FOREST PAV HALL BY RM 274	X ON
M7-9	PHOTO	SMOKE	L2 FOREST PAV HALL BY RM 276	X X ON
M7-10	PHOTO	SMOKE	L2 FOREST PAV WEST STAIRS	X X ON
M7-11	IAM	WATER	L2 FOREST PAV WEST STAIR	X X X ON
M7-12	IAM	SO	L2 FOREST PAV WEST STAIR	X X ON
M7-13	ADRPUL	PULL	L2 FOREST PAV WEST STAIRS	X X X ON
M7-14	PHOTO	SMOKE	L2 FOREST PAV HALL BY FAMILY ROOM	X X X X ON
M7-15	PHOTO	SMOKE	L2 FOREST PAV HALL BY RM 266	X X X X X ON
M7-16	PHOTO	SMOKE	L2 FOREST PAV HALL BY RM 264	X ON
M7-17	PHOTO	SMOKE	L2 FOREST PAV EXIT TO EAST STAIRS	X X ON
M7-18	ADRPUL	PULL	L2 FOREST PAV EXIT TO EAST STAIRS	X X ON
M7-19	PHOTO	SMOKE	L2 FOREST PAV EAST STAIRS	X X X ON
M7-20	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 262	X X ON
M7-21	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 263	X X X ON
M7-22	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 264	X X X X ON
M7-23	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 265	X X X X X ON
M7-24	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 266	X X ON
M7-25	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 267	X X X ON
M7-26	PHOTO	SMOKE	L2 FOREST PAVCLINIC SUPER OFFICE	X X X ON
M7-27	PHOTO	SMOKE	L2 FOREST PAV CHARTING/DICTATING	X X X X ON
M7-28	PHOTO	SMOKE	L2 FOREST PAV FAMILY ROOM	X X X ON
M7-29	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 271	X X X X ON
M7-30	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 272	X X X X X ON
M7-31	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 273	X X X X X ON
M7-32	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 274	X ON
M7-33	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 275	X X ON
M7-34	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 276	X X X ON
M7-35	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 277	X X X X ON
M7-36	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 278	X X ON
M7-37	HEAT	HEAT	L2 FOREST PAV WEST RESTROOM	X X X ON
M7-38	PHOTO	SMOKE	L2 FOREST PAV WEST EQUIPMENT ROOM	X X X ON
M7-39	HEAT	HEAT	L2 FOREST PAV TOILET BY ELEVATORS	X X X X ON
M7-40	PHOTO	SMOKE	L2 FOREST PAV WEST NURSES STATION	X X X ON
M7-41	PHOTO	SMOKE	L2 FOREST PAV CLEAN SUPPLY	X X X X ON
M7-42	HEAT	HEAT	L2 FOREST PAV JANITORS CLOSET	X X X ON
M7-43	PHOTO	SMOKE	L2 FOREST PAV SOILED UTILITY ROOM	X X X X X ON
M7-44	HEAT	HEAT	L2 FOREST PAV STAFF TOILET	X X X X ON
M7-45	PHOTO	SMOKE	L2 FOREST PAVILION COMM WORK ROOM	X X X X X ON
M7-46	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 268	X X X X X ON
M7-47	PHOTO	SMOKE	L2 FOREST PAV NOURISHMENT ROOM	X X X X X X ON
M7-48	PHOTO	SMOKE	L2 FOREST PAV EAST MED PREP ROOM	X X X ON
M7-49	PHOTO	SMOKE	L2 FOREST PAV EAST NURS STAT OFF	X X X X ON
M7-50	PHOTO	SMOKE	L2 FOREST PAV PATIENT RM 261	X X X X ON
M7-51	HEAT	HEAT	L2 FOREST PAV EAST TOILET	X X X X ON
M7-52	PHOTO	SMOKE	L2 FOREST PAV EAST EQUIPMENT ROOM	X X X ON
M7-53				X X X X ON
M7-54	IAM	UTILITY	L2 FOREST PAVNO DAMPER PWR RM 276	X X X X X ON
M7-55	PHOTO	SMOKE	L2 RIVER PAV CHAPEL	X X X X X ON
M7-56	IAM	PULL	L1 FOREST PAV EAST EXIT	X X X X ON
M7-57	ADRPUL	PULL	L1 FOREST PAV EAST STAIR	X X X X X ON
M7-58				X X X X X ON
M7-59	PHOTO	SMOKE	L1 FOREST PAV BY RM 187	X X X X X ON
M7-60	PHOTO	SMOKE	L1 FOREST PAV BY RM 184	X X X X X ON
M7-61	PHOTO	SMOKE	L1 FOREST PAV BY RM 180	X X X X X X ON
M7-62	PHOTO	SMOKE	L1 FOREST PAV BY RM 174	X X X X X X ON
M7-63	PHOTO	SMOKE	L1 FOREST PAV BY RM 170	X X X X X X X ON
M7-64	PHOTO	SMOKE	L1 FOREST PAV BY RM 166	X ON
M7-65	PHOTO	SMOKE	L1 FOREST PAV BY RM 162	X X ON
M7-66	ADRPUL	PULL	L1 FOREST PAV WEST STAIR	X X X ON
M7-67	IAM	UTILITY	L2 FOREST PAV NO DAMP PWR HALL FAM	X X X ON
M7-68	IAM	UTILITY	L2 FOREST PAV NO DAMPER PWR FAM	X X ON
M7-69	IAM	UTILITY	L2 FOR PAV NO DAMP PWR W MED PREP	X X X ON
M7-70				X X X ON
M7-71	IAM	UTILITY	L2 FOREST PAV NO DAMP PWR BY E ST	X X X X ON
M7-72	PHOTO	SMOKE	L2 FOREST PAV ANTE RM TO ROOM 268	X X ON
M7-73	IAM	SO	L1 FOREST PAV E CROSS MAIN	X X X ON
M7-74	IAM	SO	L1 FOREST PAV CONTROL VALVE	X X X X ON
M7-75	IAM	WATER	L1 FOREST PAV WATERFLOW	X X X X ON
M7-76	ADRPUL	PULL	L1 FOREST PAV CENTER STAIR	X X X ON
M7-77	RIAM	RELAY	L1 FOREST SECURITY DOOR RELEASE	X X X X ON
M7-78				X X X X ON
M7-79				X X X X X X ON
M7-80				X X ON
M7-81				X X X X ON
M7-82				X X X X ON
M7-83				X X X X ON
M7-84				X X X X ON
M7-85				X X X X X ON
M7-86				X X X X ON
M7-87				X X X X X ON
M7-88				X X X ON
M7-89				X X X X X ON
M7-90				X X X X X ON
M7-91				X X X X X X ON
M7-92				X X X X X ON
M7-93				X X X X X ON
M7-94				X X X X X X ON
M7-95				X X X X X X ON
M7-96				X X X ON
M7-97				X X X X ON
M7-98				X X X X ON
M7-99				X X X X X ON
M7-100	4009A	SIGNAL	L3 RIVER E PAV NAC PANEL- 3E	X X X ON
M7-101	PHOTO	SMOKE	L3 RIVER E PAV STOR BY NURS STAT	X X X X X ON
M7-102	HEAT	HEAT	L3 RIV E PAV TOP OF CLN WAIT SHAFT	X X X X X ON
M7-103	ADRPUL	PULL	L3 RIVER E PAV CORR BY SKY BRIDG	X X X X X X ON
M7-104	PHOTO	SMOKE	L3 RIVER E PAV SKY BRIDGE	X X X X X ON
M7-105	PHOTO	SMOKE	L3 RIVER E PAV WEST CORRIDOR	X X X X X ON
M7-106	PHOTO	SMOKE	L3 RIVER E PAV WEST CORR BY WAIT	X X X X X ON
M7-107	PHOTO	SMOKE	L3 RIVER E PAV WEST CORRIDOR	X X X X X X ON
M7-108	PHOTO	SMOKE	L3 RIVER E PAV STORAGE BT WAIT	X X X X X ON
M7-109	PHOTO	SMOKE	L3 RIVER E PAV BY NURSE STATION	X X X X X X ON
M7-110	PHOTO	SMOKE	L3 RIVER E PAV RECOVERY ROOM	X X X X X ON
M7-111	PHOTO	SMOKE	L3 RIVER E PAV RECOVERY ROOM	X X X X X X ON
M7-112	PHOTO	SMOKE	L3 RIVER E PAV EXAM BY STAIRS	X X X X ON
M7-113	PHOTO	SMOKE	L3 RIVER E PAV TOP OF STAIRS	X X X X X ON
M7-114	ADRPUL	PULL	L3 RIVER E PAV BY STAIRS	X X X X X ON
M7-115	PHOTO	SMOKE	L3 RIVER E PAV CORR N BY STAIRS	X X X X X X ON
M7-116	PHOTO	SMOKE	L3 RIVER E PAV CORR BY ROOM 5	X X X X X ON
M7-117	PHOTO	SMOKE	L3 RIVER E PAV ROOM 5	X X X X X X ON
M7-118	PHOTO	SMOKE	L3 RIVER E PAV NURSE'S LOUNGE	X X X X X ON
M7-119	PHOTO	SMOKE	L3 RIVER E PAV CORR BY ROOM 5	X X X X X X ON
M7-120	IAM	WATER	L3 RIVER E PAV SPRINK WATER FLOW	X X X X ON
M7-121	IAM	SO	L3 RIVER E PAV SPRINKLER TAMPER	X X X X X ON
M7-122	PHOTO	SMOKE	L3 RIVER E PAV CORR BY ROOM 6	X X X X X X ON
M7-123	PHOTO	SMOKE	L3 RIVER E PAV CORR BY ROOM 7	X X X X X X ON
M7-124	PHOTO	SMOKE	L3 RIVER E PAV CORR BY ELEC	X X X X X X ON
M7-125	PHOTO	SMOKE	L3 RIVER E PAV ELECTRICAL ROOM	X X X X X X ON

NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

IDNET CHANNEL M7		ADDRESSES IN USE: 148 (59.2%) | SPARE ADDRESSES: 102 (40.8%)		SWITCH SETTINGS
Address			Location Description	1 2 3 4 5 6 7 8
M7-126	PHOTO	SMOKE	L3 RIVER E PAV CORR BY DOC LOUNG	X X X X X X ON
M7-127	PHOTO	SMOKE	L3 RIVER E PAV CORR BY RECOVERY	X X X X X X X ON
M7-128	HEAT	HEAT	L3 RIVER E PAV TOP	X ON
M7-129	HEAT	HEAT	L3 RIVER E PAV HOUSEKEEP CLOSET	X X ON
M7-130	PHOTO	SMOKE	L3 RIVER E PAV CORR BY ROOM 9	X X ON
M7-131	PHOTO	SMOKE	L3 RIVER E PAV STORAGE SUPPLY	X X X ON
M7-132	ADRPUL	PULL	L3 RIVER E PAV SOUTH EXIT	X X X ON
M7-133	PHOTO	SMOKE	L3 RIVER E PAV EQUIPMENT STORAGE	X X X ON
M7-134	ADRPUL	PULL	L3 RIVER E PAV BACK CORR S EXIT	X X X ON
M7-135	PHOTO	SMOKE	L3 RIVER E PAV BACK CORR BY RM 9	X X X X ON
M7-136	PHOTO	SMOKE	L3 RIVER E PAV BACK CORR BY RM 7	X X ON
M7-137	PHOTO	SMOKE	L3 RIVER E PAV BACK CORR BY RM 6	X X X ON
M7-138				X X X ON
M7-139				X X X X ON
M7-140	PHOTO	LATSUPV	L1 FOREST PAV QUIET SOCIAL ROOM	X X X ON
M7-141	PHOTO	SMOKE	L1 FOREST PAV ROOM 181	X X X X ON
M7-142	PHOTO	SMOKE	L1 FOREST PAV ROOM 183	X X X X ON
M7-143	PHOTO	SMOKE	L1 FOREST PAV ROOM 185	X X X X X ON
M7-144	PHOTO	SMOKE	L1 FOREST PAV ROOM 187	X X X ON
M7-145	PHOTO	SMOKE	L1 FOREST PAV ROOM 188	X X X ON
M7-146	PHOTO	SMOKE	L1 FOREST PAV ROOM 186	X X X X ON
M7-147	PHOTO	SMOKE	L1 FOREST PAV ROOM 184	X X X X X ON
M7-148	PHOTO	SMOKE	L1 FOREST PAV ROOM 182	X X X X ON
M7-149	PHOTO	SMOKE	L1 FOREST PAV ROOM 180	X X X X X ON
M7-150	PHOTO	SMOKE	L1 FOREST PAV ROOM 178	X X X X X ON
M7-151	PHOTO	LATSUPV	L1 FOREST PAV SOCIAL DINING ROOM	X X X X X ON
M7-152	PHOTO	SMOKE	L1 FOREST PAV ROOM 172	X X X X ON
M7-153	PHOTO	SMOKE	L1 FOREST PAV ROOM 164	X X X X X ON
M7-154	PHOTO	SMOKE	L1 FOREST PAV ROOM 168	X X X X X ON
M7-155	PHOTO	SMOKE	L1 FOREST PAV ROOM 166	X X X X X X ON
M7-156	PHOTO	SMOKE	L1 FOREST PAV ROOM 162	X X X X X ON
M7-157	PHOTO	SMOKE	L1 FOREST PAV WORK ROOM WEST	X X X X X X ON
M7-158	PHOTO	SMOKE	L1 FOREST PAV INTAKE OFFICE	X X X X X X ON
M7-159	PHOTO	SMOKE	L1 FOREST PAV COUNSELOR OFFICE	X X X X X X X ON
M7-160	PHOTO	SMOKE	L1 FOREST PAV HALL TO STAFF LOUNG	X X ON
M7-161	PHOTO	LATSUPV	L1 FOREST PAV STAFF LOUNGE	X X X ON
M7-162	PHOTO	SMOKE	L1 FOREST PAV EXAMINATION ROOM	X X X X ON
M7-163	PHOTO	SMOKE	L1 FOREST PAV PATIENT LAUNDRY STOR	X X X X ON
M7-164	PHOTO	SMOKE	L1 FOREST PAV CORRIDOR ALCOVE	X X X X ON
M7-165	PHOTO	SMOKE	L1 FOREST PAV STAFF RESTROOM	X X X X ON
M7-166	PHOTO	SMOKE	L1 FOREST PAV VISITOR RESTROOM	X X X X ON
M7-167				X X X X X ON
M7-168	RIAM	RELAY	L1 FOR PAV ELEV LOBBY DOOR RELAY	X X X X ON
M7-169	PHOTO	SMOKE	L1 FOREST PAV ROOM 170	X X X X X ON
M7-170	PHOTO	SMOKE	L1 FOREST PAV NURSE STATION	X X X X ON
M7-171	PHOTO	SMOKE	L1 FOREST PAV MED ROOM LOBBY	X X X X X ON
M7-172	PHOTO	SMOKE	L1 FOREST PAV MED ROOM	X X X X X ON
M7-173	PHOTO	SMOKE	L1 FOREST PAV ELECTRICAL ROOM	X X X X X ON
M7-174	ADRPUL	PULL	L1 FOREST PAV NURSE STATION	X X X X X ON
M7-175	RIAM	RELAY	L1 FOREST PAV FIRE SMOKE RELAY E	X X X X X X ON
M7-176	RIAM	RELAY	L1 FOREST PAV FIRE SMOKE RELAY W	X X X X ON
M7-177				X X X X X ON
THRU				
M7-250				X X X X X X ON

NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168
SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

City of Puyallup
Building Division
Approved
Permitting Public Works
Date Time

FIRE ALARM SYSTEM
NORTH TRANSPONDER CALCULATIONS

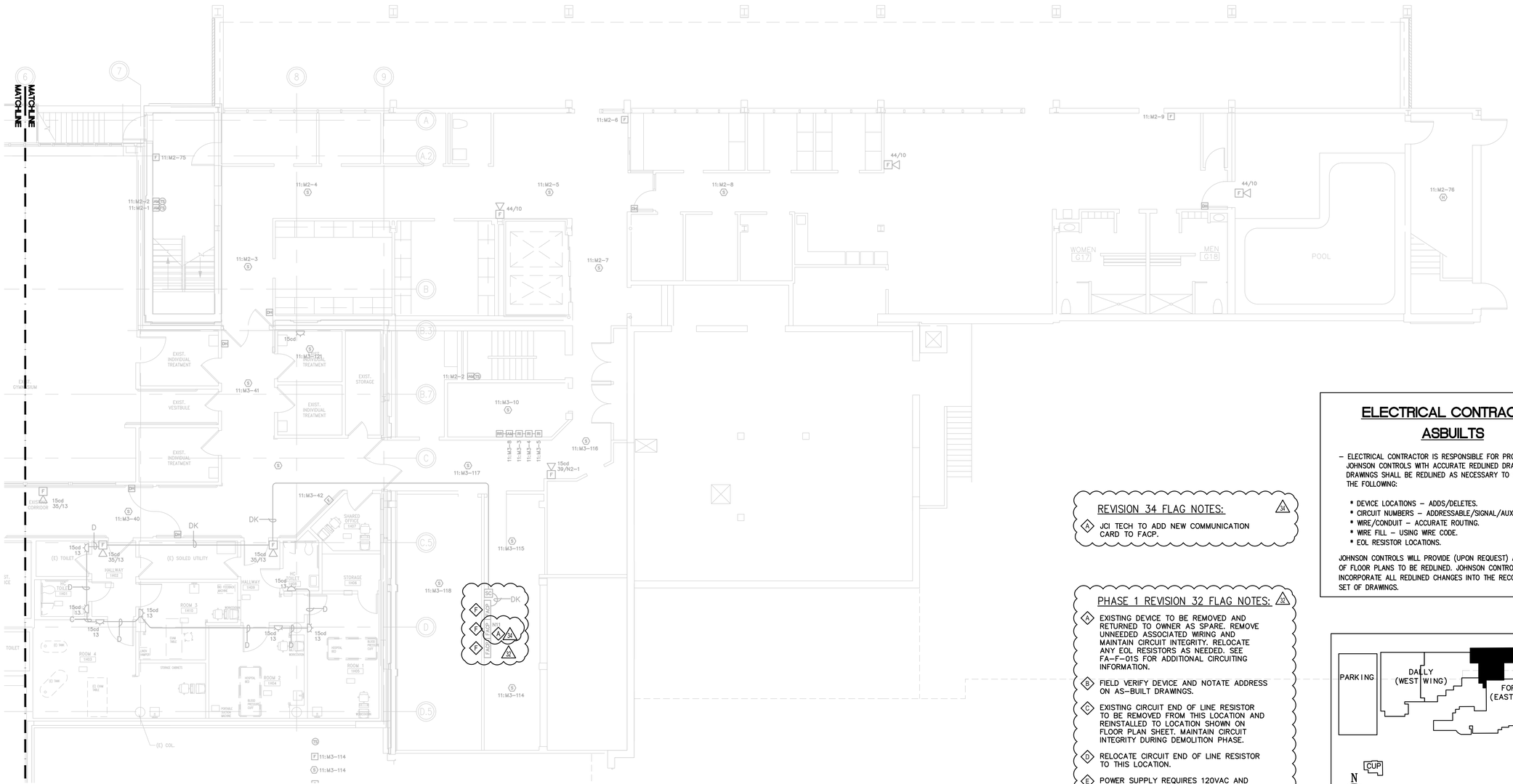
GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
407 14TH AVE SE
PUYALLUP, WA

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6-21-2001
SITE NUMBER: 459

SHEET NUMBER: FA-CAL-05

ELECTRONIC DRAWING NAME
FA-COV

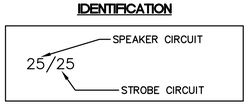
24" x 36"



GROUND FLOOR EAST WING CENTRAL

SCALE 1/8"=1'-0"

STROBE AND SPEAKER IDENTIFICATION



REVISION 34 FLAG NOTES:

34

A. JCI TECH TO ADD NEW COMMUNICATION CARD TO FACP.

PHASE 1 REVISION 32 FLAG NOTES:

32

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA-F-01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. FIELD VERIFY DEVICE AND NOTATE ADDRESS ON AS-BUILT DRAWINGS.

C. EXISTING CIRCUIT END OF LINE RESISTOR TO BE REMOVED FROM THIS LOCATION AND REINSTALLED TO LOCATION SHOWN ON FLOOR PLAN SHEET. MAINTAIN CIRCUIT INTEGRITY DURING DEMOLITION PHASE.

D. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

E. POWER SUPPLY REQUIRES 120VAC AND EARTH GROUND. SEE RISER DIAGRAM FOR ADDITIONAL TERMINATIONS AND WIRE CONNECTIONS.

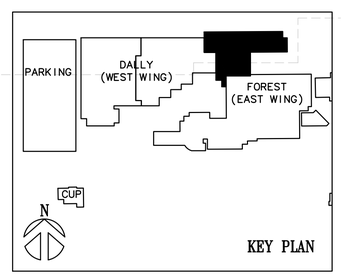
F. JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES, NAC AND IDNET CARDS. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS. JCI TECH TO LIST NEW SIG CIRCUITS CREATED BY SYSTEM PROGRAM.

ELECTRICAL CONTRACTOR ASBUILTS

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOHNSON CONTROLS WITH ACCURATE REDLINED DRAWINGS. DRAWINGS SHALL BE REDLINED AS NECESSARY TO SHOW THE FOLLOWING:

  * DEVICE LOCATIONS – ADDS/DELETES.
  * CIRCUIT NUMBERS – ADDRESSABLE/SIGNAL/AUXILIARY/ZONE.
  * WIRE/CONDUIT – ACCURATE ROUTING.
  * WIRE FILL – USING WIRE CODE.
  * EOL RESISTOR LOCATIONS.

JOHNSON CONTROLS WILL PROVIDE (UPON REQUEST) A BLANK SET OF FLOOR PLANS TO BE REDLINED. JOHNSON CONTROLS WILL INCORPORATE ALL REDLINED CHANGES INTO THE RECORD AUTOCAD SET OF DRAWINGS.



GENERAL NOTES:

1. EXISTING DEVICE LOCATIONS AND WIRING ARE SHOWN LIGHT AND ARE BASED UPON RECORD DRAWING INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL LOCATIONS AND CONNECTIONS TO EXISTING EQUIPMENT. CONTRACTOR TO RED LINE AND NOTE ANY AND ALL CHANGES ON THE RECORD DRAWING SET.
2. TAP SPEAKERS AT 1/2W, 25V UNLESS OTHERWISE NOTED.

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
GROUND FLOOR EAST WING CENTRAL

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

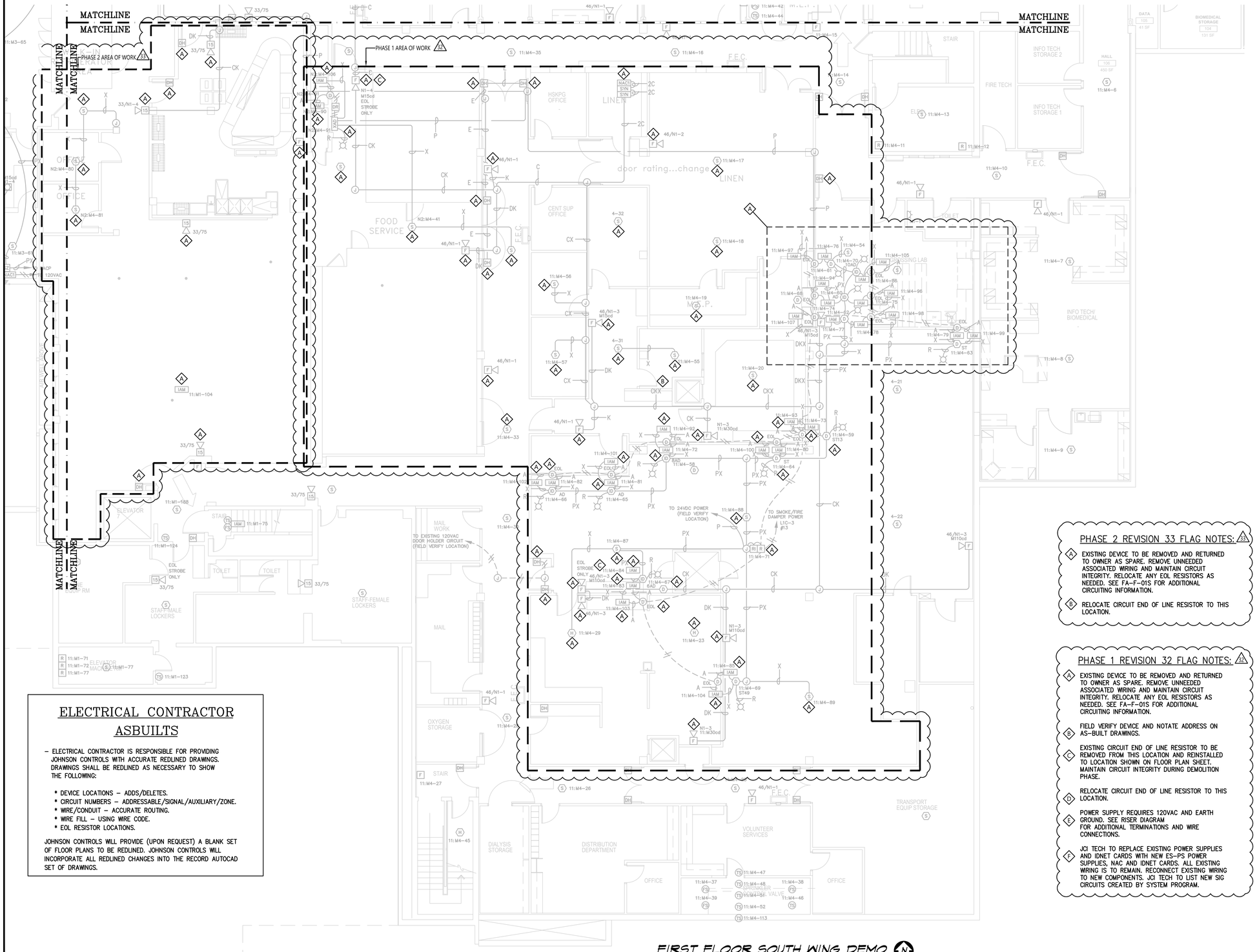
DATE: 6-21-2001

SITE NUMBER: 459

SHEET NUMBER: FA-G-01

ELECTRONIC DRAWING NAME: FA-G-01

24" x 36"



ELECTRICAL CONTRACTOR ASBUILTS

– ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOHNSON CONTROLS WITH ACCURATE REDLINED DRAWINGS. DRAWINGS SHALL BE REDLINED AS NECESSARY TO SHOW THE FOLLOWING:

* DEVICE LOCATIONS – ADDS/DELETES.
* CIRCUIT NUMBERS – ADDRESSABLE/SIGNAL/AUXILIARY/ZONE.
* WIRE/CONDUIT – ACCURATE ROUTING.
* WIRE FILL – USING WIRE CODE.
* EOL RESISTOR LOCATIONS.

JOHNSON CONTROLS WILL PROVIDE (UPON REQUEST) A BLANK SET OF FLOOR PLANS TO BE REDLINED. JOHNSON CONTROLS WILL INCORPORATE ALL REDLINED CHANGES INTO THE RECORD AUTOCAD SET OF DRAWINGS.

FIRST FLOOR SOUTH WING DEMO

SCALE 1/8"=1'-0"

PHASE 2 REVISION 33 FLAG NOTES: 33

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA–F–01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

PHASE 1 REVISION 32 FLAG NOTES: 32

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA–F–01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. FIELD VERIFY DEVICE AND NOTATE ADDRESS ON AS–BUILT DRAWINGS.

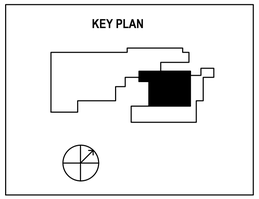
C. EXISTING CIRCUIT END OF LINE RESISTOR TO BE REMOVED FROM THIS LOCATION AND REINSTALLED TO LOCATION SHOWN ON FLOOR PLAN SHEET. MAINTAIN CIRCUIT INTEGRITY DURING DEMOLITION PHASE.

D. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

E. POWER SUPPLY REQUIRES 120VAC AND EARTH GROUND. SEE RISER DIAGRAM FOR ADDITIONAL TERMINATIONS AND WIRE CONNECTIONS.

F. JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES–PS POWER SUPPLIES, NAC AND IDNET CARDS. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS. JCI TECH TO LIST NEW SIG CIRCUITS CREATED BY SYSTEM PROGRAM.

KEY PLAN



GENERAL NOTES:

1. EXISTING DEVICE LOCATIONS AND WIRING ARE SHOWN LIGHT AND ARE BASED UPON RECORD DRAWING INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL LOCATIONS AND CONNECTIONS TO EXISTING EQUIPMENT. CONTRACTOR TO RED LINE AND NOTE ANY AND ALL CHANGES ON THE RECORD DRAWING SET.
2. TAP SPEAKERS AT 1/2W, 25V UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
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33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

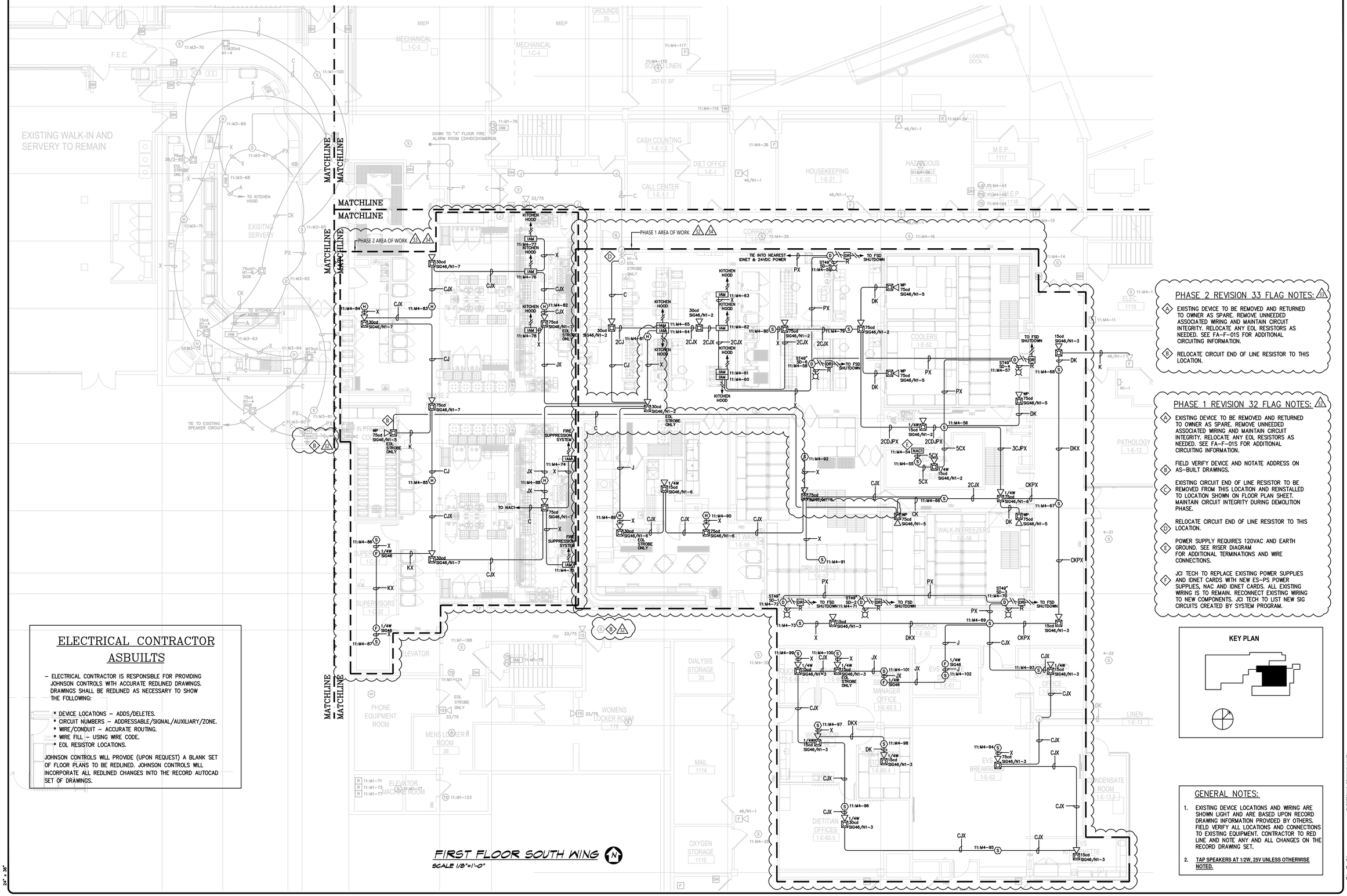
FIRE ALARM SYSTEM
FIRST FLOOR SOUTH WING DEMO

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6–21–2001
SITE NUMBER: 459
SHEET NUMBER: FA–F–01S–D

ELECTRONIC DRAWING NAME: FA–F–01–D

24" x 36"



ELECTRICAL CONTRACTOR ASBUILTS

- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING JOHNSON CONTROLS WITH ACCURATE REDLINED DRAWINGS. DRAWINGS SHALL BE REDLINED AS NECESSARY TO SHOW THE FOLLOWING:

  * DEVICE LOCATIONS – ADDS/DELETES.
  * CIRCUIT NUMBERS – ADDRESSABLE/SIGNAL/AUXILIARY/ZONE.
  * WIRE/CONDUIT – ACCURATE ROUTING.
  * WIRE FILL – USING WIRE CODE.
  * EOL RESISTOR LOCATIONS.

JOHNSON CONTROLS WILL PROVIDE (UPON REQUEST) A BLANK SET OF FLOOR PLANS TO BE REDLINED. JOHNSON CONTROLS WILL INCORPORATE ALL REDLINED CHANGES INTO THE RECORD AUTOCAD SET OF DRAWINGS.

PHASE 2 REVISION 33 FLAG NOTES:

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA–F–01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

PHASE 1 REVISION 32 FLAG NOTES:

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA–F–01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. FIELD VERIFY DEVICE AND NOTATE ADDRESS ON AS–BUILT DRAWINGS.

C. EXISTING CIRCUIT END OF LINE RESISTOR TO BE REMOVED FROM THIS LOCATION AND REINSTALLED TO LOCATION SHOWN ON FLOOR PLAN SHEET. MAINTAIN CIRCUIT INTEGRITY DURING DEMOLITION PHASE.

D. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

E. POWER SUPPLY REQUIRES 120VAC AND EARTH GROUND. SEE RISER DIAGRAM FOR ADDITIONAL TERMINATIONS AND WIRE CONNECTIONS.

F. JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES–PS POWER SUPPLIES, NAC AND IDNET CARDS. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS. JCI TECH TO LIST NEW SIG CIRCUITS CREATED BY SYSTEM PROGRAM.

KEY PLAN

GENERAL NOTES:

1. EXISTING DEVICE LOCATIONS AND WIRING ARE SHOWN LIGHT AND ARE BASED UPON RECORD DRAWING INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL LOCATIONS AND CONNECTIONS TO EXISTING EQUIPMENT. CONTRACTOR TO RED LINE AND NOTE ANY AND ALL CHANGES ON THE RECORD DRAWING SET.
2. TAP SPEAKERS AT 1/2W, 25V UNLESS OTHERWISE NOTED.

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

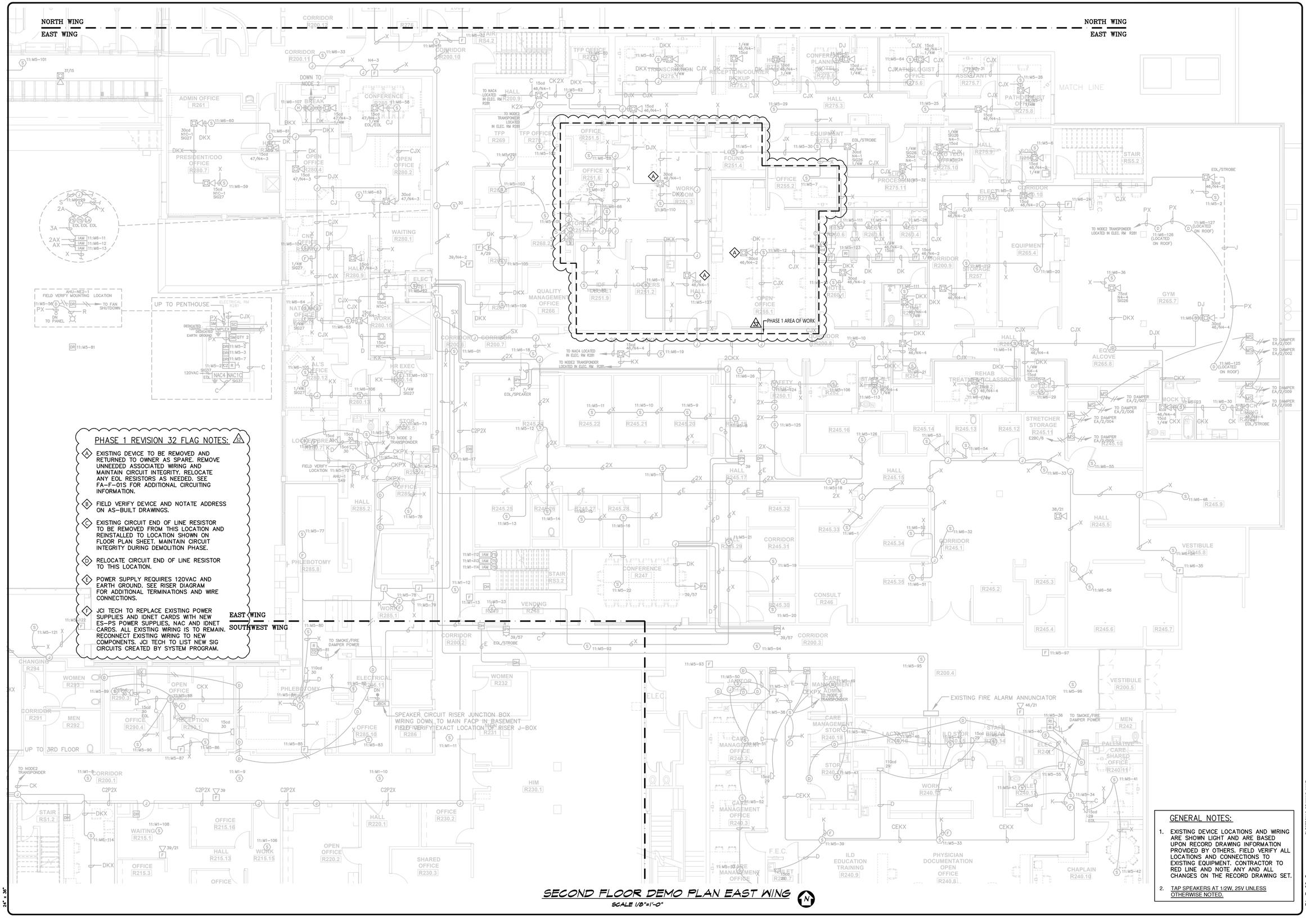
FIRE ALARM SYSTEM
FIRST FLOOR SOUTH WING
GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6–21–2001
SITE NUMBER: 459
SHEET NUMBER: FA–F–01S

ELECTRONIC DRAWING FAME

FA–F–01

24" x 36"



PHASE 1 REVISION 32 FLAG NOTES: 32

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA-F-01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. FIELD VERIFY DEVICE AND NOTATE ADDRESS ON AS-BUILT DRAWINGS.

C. EXISTING CIRCUIT END OF LINE RESISTOR TO BE REMOVED FROM THIS LOCATION AND REINSTALLED TO LOCATION SHOWN ON FLOOR PLAN SHEET. MAINTAIN CIRCUIT INTEGRITY DURING DEMOLITION PHASE.

D. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

E. POWER SUPPLY REQUIRES 120VAC AND EARTH GROUND. SEE RISER DIAGRAM FOR ADDITIONAL TERMINATIONS AND WIRE CONNECTIONS.

F. JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES, NAC AND IDNET CARDS. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS. JCI TECH TO LIST NEW SIG CIRCUITS CREATED BY SYSTEM PROGRAM.

GENERAL NOTES:

1. EXISTING DEVICE LOCATIONS AND WIRING ARE SHOWN LIGHT AND ARE BASED UPON RECORD DRAWING INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL LOCATIONS AND CONNECTIONS TO EXISTING EQUIPMENT. CONTRACTOR TO RED LINE AND NOTE ANY AND ALL CHANGES ON THE RECORD DRAWING SET.
2. TAP SPEAKERS AT 1/2W, 25V UNLESS OTHERWISE NOTED.

SECOND FLOOR DEMO PLAN EAST WING

SCALE 1/8"=1'-0"

24" x 36"

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
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33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	6509189651
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	6509189651

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
SECOND FLOOR PLAN DEMO EAST WING

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
400 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6-21-2001
SITE NUMBER: 459
SHEET NUMBER: FA-F-02E-D

ELECTRONIC DRAWING NAME: FA-F-02-D

NORTH WING
EAST WING

NORTH WING
EAST WING

EAST WING
SOUTHWEST WING

PHASE 1 REVISION 32 FLAG NOTES: 32

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA-F-01S FOR ADDITIONAL CIRCUITING INFORMATION.

B. FIELD VERIFY DEVICE AND NOTATE ADDRESS ON AS-BUILT DRAWINGS.

C. EXISTING CIRCUIT END OF LINE RESISTOR TO BE REMOVED FROM THIS LOCATION AND REINSTALLED TO LOCATION SHOWN ON FLOOR PLAN SHEET. MAINTAIN CIRCUIT INTEGRITY DURING DEMOLITION PHASE.

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PHASE 1 AREA OF WORK

SPEAKER CIRCUIT RISER JUNCTION BOX
WIRING DOWN, TO MAIN FACP IN BASEMENT
FIELD VERIFY EXACT LOCATION OF RISER J-BOX

EXISTING FIRE ALARM ANNUNCIATOR

GENERAL NOTES:

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2. TAP SPEAKERS AT 1/2W, 25V UNLESS OTHERWISE NOTED.

SECOND FLOOR PLAN EAST WING

SCALE 1/8"=1'-0"

24" x 36"

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
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34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:
Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
SECOND FLOOR PLAN EAST WING

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP
DRAWN BY: JCP
DATE: 6-21-2001
SITE NUMBER: 459
SHEET NUMBER: FA-F-02E

ELECTRONIC DRAWING NAME: FA-F-02

PHASE 1 REVISION 32 FLAG NOTES:

A. EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER AS SPARE. REMOVE UNNEEDED ASSOCIATED WIRING AND MAINTAIN CIRCUIT INTEGRITY. RELOCATE ANY EOL RESISTORS AS NEEDED. SEE FA-F-01S FOR ADDITIONAL CIRCUITING INFORMATION.

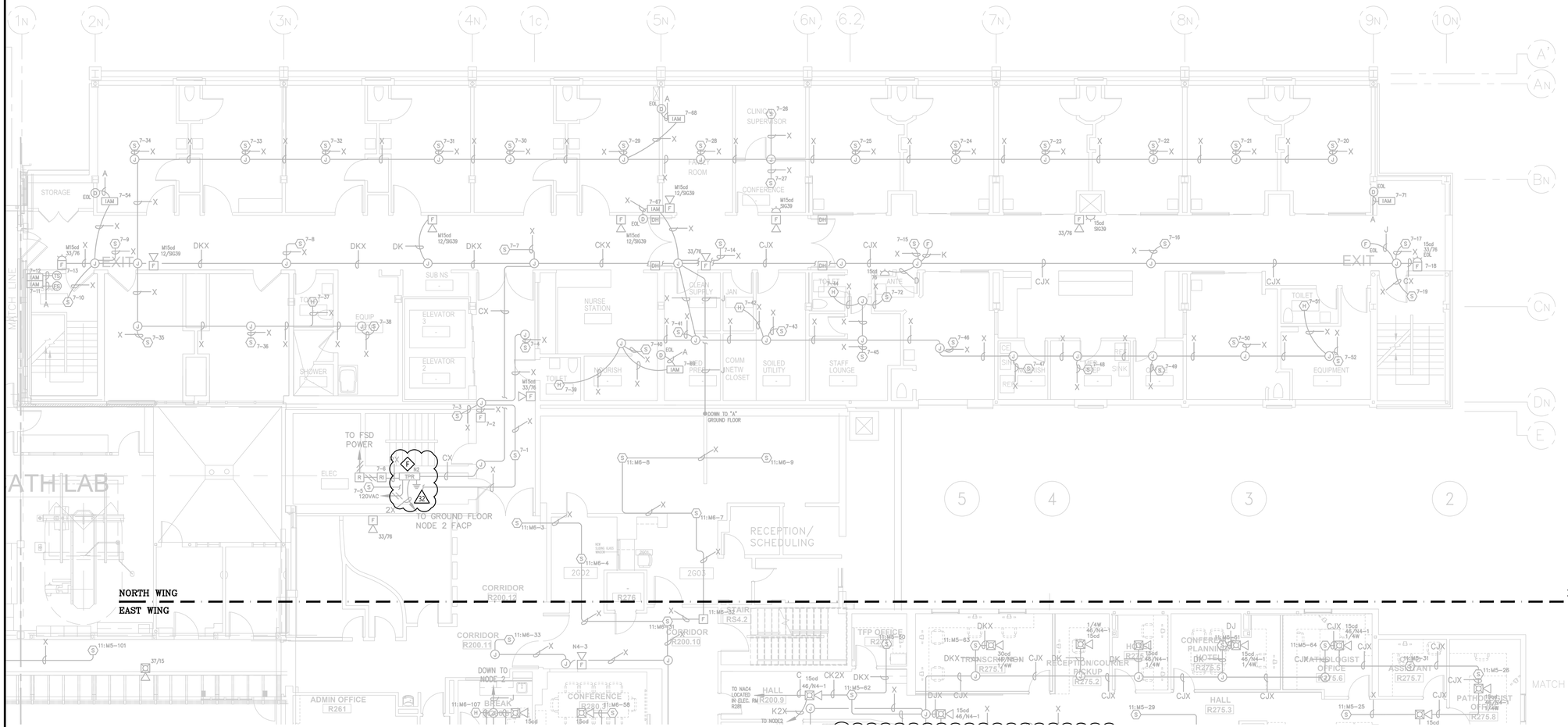
B. FIELD VERIFY DEVICE AND NOTATE ADDRESS ON AS-BUILT DRAWINGS.

C. EXISTING CIRCUIT END OF LINE RESISTOR TO BE REMOVED FROM THIS LOCATION AND REINSTALLED TO LOCATION SHOWN ON FLOOR PLAN SHEET. MAINTAIN CIRCUIT INTEGRITY DURING DEMOLITION PHASE.

D. RELOCATE CIRCUIT END OF LINE RESISTOR TO THIS LOCATION.

E. POWER SUPPLY REQUIRES 120VAC AND EARTH GROUND. SEE RISER DIAGRAM FOR ADDITIONAL TERMINATIONS AND WIRE CONNECTIONS.

F. JCI TECH TO REPLACE EXISTING POWER SUPPLIES AND IDNET CARDS WITH NEW ES-PS POWER SUPPLIES, NAC AND IDNET CARDS. ALL EXISTING WIRING IS TO REMAIN. RECONNECT EXISTING WIRING TO NEW COMPONENTS. JCI TECH TO LIST NEW SIG CIRCUITS CREATED BY SYSTEM PROGRAM.



GENERAL NOTES:

1. EXISTING DEVICE LOCATIONS AND WIRING ARE SHOWN LIGHT AND ARE BASED UPON RECORD DRAWING INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL LOCATIONS AND CONNECTIONS TO EXISTING EQUIPMENT. CONTRACTOR TO RED LINE AND NOTE ANY AND ALL CHANGES ON THE RECORD DRAWING SET.
2. TAP SPEAKERS AT 1/2W, 25V UNLESS OTHERWISE NOTED.

SECOND FLOOR PLAN NORTH WING

SCALE 1/8"=1'-0"

24" x 36"

FA-F-02

ELECTRONIC DRAWING NAME

Johnson Controls

12781 Gateway Drive South
Tukwila, WA 98168

SALES: 206-291-1400
SERVICE: 206-291-1400

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	7/1/22	AHU REPLACEMENT T.I. RECORD DRAWINGS	JDB		650155620
31	7/26/22	BODY HOLDING RENOVATION T.I.	SSS	SEH	650107116
	11/15/22	BODY HOLDING RENOVATION REC DWG	SSS		650107116
32	8/21/25	PHASE 1 KITCHEN REMODEL	SSS	SEH	650918965
33	9/9/25	PHASE 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965
34	2/17/26	PHASE 1 & 2 KITCHEN REMODEL AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

City of Puyallup
Fire Department
Approved | Approved as Noted
Disapproved | Public Works
Date | Initials

FIRE ALARM SYSTEM
SECOND FLOOR PLAN NORTH WING

GOOD SAMARITAN HOSPITAL
EAST/NORTH WING
401 15TH AVE SE
PUYALLUP, WA

APPROVED BY: EP

DRAWN BY: JCP

DATE: 6-21-2001

SITE NUMBER: 459

SHEET NUMBER: FA-F-02N

GOOD SAMARITAN HOSPITAL

AHJ REVIEW

Fire Alarm and Detection System

Equipment Supplied By

Johnson Controls

Project Team Contact Information			
Generic Project Information:	Jerrod Bishop	jerrod.bishop@jci.com	(206) 681-7025
Drawing/Engineering Information:	Scott Haynes	scott.haynes@jci.com NICET Fire Alarm System Level III, #142681	(206) 777-4850
Project Manager:	Kevin Barreith	kevin.james.barreith@jci.com.com	(206) 303-7765
Technician Scheduling:	Yvonne Thompson	yvonne.thompson@jci.com	(206) 777-4860

SHEET LIST TABLE		
INCLUDED	SHEET NUMBER	SHEET TITLE
X	FA-COV-01	TITLE SHEET
X	FA-COV-02	GENERAL INFORMATION
	FA-RIS-01	RISER DIAGRAM
	FA-DET-01	WIRING TYPICALS
	FA-DET-02	WIRING TYPICALS
	FA-DET-03	WIRING TYPICALS
	FA-PG	PARKING
X	FA-DC-01	DROP OFF
	FA-B-01	BASEMENT
	FA-G-01W	GROUND WEST
	FA-G-01E	GROUND EAST
	FA-F-01W	LEVEL 1 WEST
	FA-F-01E	LEVEL 1 EAST
	FA-F-02W	LEVEL 2 WEST
	FA-F-02E	LEVEL 2 EAST
	FA-R-01	ROOF

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
	09/02/21	GORDON EDU RECORD DWGS. UPDATES	MAM		619230901
18	5/5/23	HYBRID O.R. #1 T.I.	MAM	EQB	650284615
19	2/21/25	DOCTORS SLEEP ROOMS T.I.	MAM	SEH	650772623
	6/16/25	DOCTORS SLEEP RMS RECORD DRAWING.	MAM		650772623
20	2/18/26	AHJ REVIEW	SSS	SEH	650918965

Johnson Controls
12781 Gateway Drive
Tukwila, Wa. 98168
SALES: 206-291-1400
SERVICE: 206-291-1400

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
TITLE SHEET

GOOD SAMARITAN HOSPITAL – WEST WING (DALLY)
407 15TH AVENUE SOUTHEAST
PUYALLUP, WA

APPROVED BY: K. CHUN
DRAWN BY: JCP
DATE: 3-1-2000
PROJECT NUMBER: 459-990051

SHEET NUMBER: FA-COV-01

WORKING DRAWING NAME: FA-COVER

22" x 34"

GENERAL FIRE ALARM SYSTEM NOTES

1) FIRE ALARM SYSTEM IS POWER LIMITED. METALLIC RACEWAY SHALL BE USED IF REQUIRED BY CODE, SPECIFICATIONS AND CONTRACT DOCUMENTS OR AHJ.
2) ALL RACEWAYS MUST BE FREE OF MOISTURE
3) REFER TO JOHNSON CONTROLS FIRE ALARM DATA SHEETS FOR PROPER TYPE AND SIZES OF REQUIRED DEVICE MOUNTING ELECTRICAL BOXES. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF ALL DEVICES.
4) AC VOLTAGE IS NOT PERMITTED IN THE SAME RACEWAY AS FIRE ALARM WIRING.
5) UNREGULATED (NON-FIRE ALARM) WIRING SHALL NOT BE IN THE SAME RACEWAY AS FIRE ALARM WIRING.
6) ALL CONTRACTOR FIELD WIRING MUST ENTER ALARM CONTROL PANEL BACKBOX FOLLOWING POWER-LIMITED AND NON POWER-LIMITED WIRING REQUIREMENTS. REFER TO INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
7) ZONE CIRCUITS AND SIGNAL CIRCUITS ARE ELECTRICALLY SUPERVISED. BRANCH CIRCUITS SHALL BE LOOPED TO MAINTAIN INTEGRITY OF SUPERVISED CIRCUITS--T-TAPPING OF ZONE CIRCUITS AND SIGNAL CIRCUITS IS NOT PERMITTED.
8) REFER TO FACP MODULE DIAGRAMS, INCLUDED WITH FACP, FOR SPECIFICATIONS AND INFORMATION ON INDIVIDUAL PANEL MODULES. VERIFY ALL CONNECTIONS WITH A JOHNSON CONTROLS FIELD TECHNICAL REPRESENTATIVE PRIOR TO TERMINATION.
9) ALL FIRE ALARM WIRING SHALL TEST FREE OF OPENS, SHORTS AND GROUNDS.
10) ALL WIRING SHALL BE LABELED AND TAGGED
11) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAKING ALL FINAL CONNECTIONS PRIOR TO JOB CHECKOUT AND FINAL TESTING BY A JOHNSON CONTROLS FIELD TECHNICAL REPRESENTATIVE. CALL A MINIMUM OF 5 DAYS IN ADVANCE TO SCHEDULE A JOHNSON CONTROLS TECHNICIAN AT (206) 777-4860.
12) ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR INSPECTION, TEST AND CERTIFICATION OF THE FIRE ALARM SYSTEM BY ALL APPROPRIATE AUTHORITIES.
13) UPON WRITTEN REQUEST, JOHNSON CONTROLS WILL PROVIDE WRITTEN INSTRUCTIONS REGARDING THE APPROPRIATE WIRE/CABLE FOR INSTALLATION OF THE EQUIPMENT/SYSTEM(S) IDENTIFIED IN THESE DRAWINGS. JOHNSON CONTROLS SHALL NOT BE RESPONSIBLE FOR PROBLEMS OR DAMAGES RESULTING FROM THE USE OF WIRE/CABLE OTHER THAN THAT WHICH HAS BEEN IDENTIFIED IN WRITING BY JOHNSON CONTROLS FOR A SPECIFIC APPLICATION.
14) ALL WIRING SHALL MEET ALL APPLICABLE NATIONAL ELECTRIC CODE ARTICLES FOR FIRE ALARM AND LOW VOLTAGE WIRING.

TI ARCHITECT:	N/A
FIRE ALARM SYSTEM TI DESIGNED BY:	JOHNSON CONTROLS TUKWILA, WA
FIRE ALARM SYSTEM TI INSTALLED BY:	JOHNSON CONTROLS TULWILA, WA
EQUIPMENT FOR FIRE ALARM SYSTEM SUPPLIED BY:	JOHNSON CONTROLS TULWILA, WA
WASHINGTON STATE ELECTRICAL CONTRACTORS NUMBER:	JOHNSCP831PR

• THESE DRAWINGS DO NOT SUPERSEDE THE CONTRACT DRAWINGS AND SPECIFICATIONS, THEY ARE INTENDED AS A SUPPLEMENT ONLY AND MUST BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS. THEY DO NOT MODIFY THE CONTRACTORS OBLIGATIONS TO CONFORM TO THE PROJECTS ORIGINAL DESIGN CRITERIA.

ELECTRICAL CONTRACTOR

- ELECTRICAL CONTRACTOR IS TO SCHEDULE A PRELIMINARY SITE MEETING WITH A JOHNSON CONTROLS TECHNICAL REPRESENTATIVE. THESE MEETINGS ARE FOR REVIEWING EQUIPMENT LISTS, INSTALLATION PROCEDURES, AND PROVIDING ANSWERS TO QUESTIONS RELATIVE TO SYSTEM INSTALLATION.
- PLEASE ALLOW A MINIMUM OF FIVE WORKING DAYS ADVANCE NOTICE TO SCHEDULE A TECHNICAL REPRESENTATIVE.
- TO SCHEDULE A MEETING PLEASE CONTACT OUR SERVICE DEPARTMENT AT (206) 777-4860.
- DO NOT USE FIRE ALARM CABINET AS TERMINAL CABINET

NOTES:

- FIRE ALARM DRAWINGS ARE SCHEMATIC ONLY.
- ALL CABLE SUBSTITUTIONS MUST BE APPROVED BY SIMPLEX ENGINEERING IN WRITING.

STROBES AT 80" TO BOTTOM OF DEVICE.

- NOTE: MOUNT PULL STATIONS AT 48" TO TOP OF DEVICE.
- ALL SHIELDS ON THE SAME MAPNET CHANNEL OR SPEAKER CIRCUIT SHOULD BE TWISTED TOGETHER FOR CONTINUITY AND TAPED UP TO PREVENT GROUNDING
- SPEAKER CIRCUIT SHOULD BE TAPED TOGETHER AND BE FREE OF OPENS, SHORTS, AND GROUNDS.
- DO NOT EXCEED 2500 FT OUT TO FURTHEST DEVICE-MAXIMUM 10,000 FT ON MAPNET CHANNEL.
- DRY CONTACT ONLY PROVIDED FOR DOOR HOLDERS, ROLL DOORS AND SMOKE/FIRE DAMPERS - POWER BY OTHERS.
- DUCT DETECTORS ARE NOT WEATHERPROOF. ELECTRIC CONTRACTOR IS RESPONSIBLE FOR PROTECTING FROM ENVIRONMENTAL CONDITIONS (TEMPERTURE, MOISTURE, ETC)
- ALL SPEAKERS TO BE TAPPED AT 1/2 WATT, 25V UNLESS OTHERWISE NOTED.

SPEAKER CIRCUIT

CIRCUIT #

#3	DROP-OFF LEVEL
#4	BASEMENT LEVEL
#5	GROUND LEVEL
#6	FIRST LEVEL
#7	FIRST LEVEL
#8	SECOND FLOOR & ROOF, PENTHOUSE LEVEL

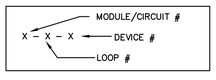
MONITORING COMPANY

NORTHWEST AMS
1-877-870-0910

SERVICE COMPANY

SUTHERLAND SECURITY
3991 TANWAX CT. E.
EATONVILLE, WA. 98328

ADDRESSABLE DETECTOR IDENTIFICATION



BATTERY CALCULATIONS - FACP

Does the system have an Emergency Generator that meets NEC 700.01?
_X_yes ___no

How many hours of battery standby are required?
_X_4 ___24 ___48 ___60 (4 hours minimum w/ Emergency Generators)

Qty	Part #	Description	Standby Current (A)	Total Standby (A)	Alarm Current (A)	Total Alarm (A)
1	4100-9111	Fire Alarm Control Panel	3.9850	3.9850	4.9550	4.9550
1		Audible/Visible Devices	0.0000	0.0000	4.7710	4.7710
5	4603-9101	LCD Annunciator	0.0300	0.1500	0.1700	0.8500
2	4098-9756	TrueAlarm Duct Smoke Sensor	0.0024	0.0048	0.0150	0.0300
5	4098-9753	Duct Detector	0.0017	0.0085	0.0017	0.0085
7	4098-9643	Duct Detector Relay	0.0000	0.0000	0.0150	0.1050
35	2088-9008	Remote Relay	0.0000	0.0000	0.0150	0.5250
31	2190-9163	Control Zam	0.0100	0.3100	0.0400	1.2400
1	4100-9154	Mapnet Pro	0.4100	0.4100	0.4100	0.4100
1	4100-2504	Communication Gateway	0.1250	0.1250	0.1250	0.1250
			Total Standby=	4.6133	Total Alarm=	12.6895

			Time (Hrs)	
Total Standby Current Required=	4.6133	X	4.0000	18.4532
Total Alarm Current Required=	12.6895	X	0.2500	3.1724
Total=				21.6256
20% Depletion Factor=				4.3251
Total Amp/Hour Required=				25.9507
Total Amp/Hour Batteries Provided=			(1) set	12.0000

0.430 Wall Strobe High Candela 185cd
0.075 Ceiling Strobe 15cd
1.500 Existing Devices

BATTERY CALCULATIONS - NAC#1 LEVEL G

Does the system have an Emergency Generator that meets NEC 700.01?
___yes X no

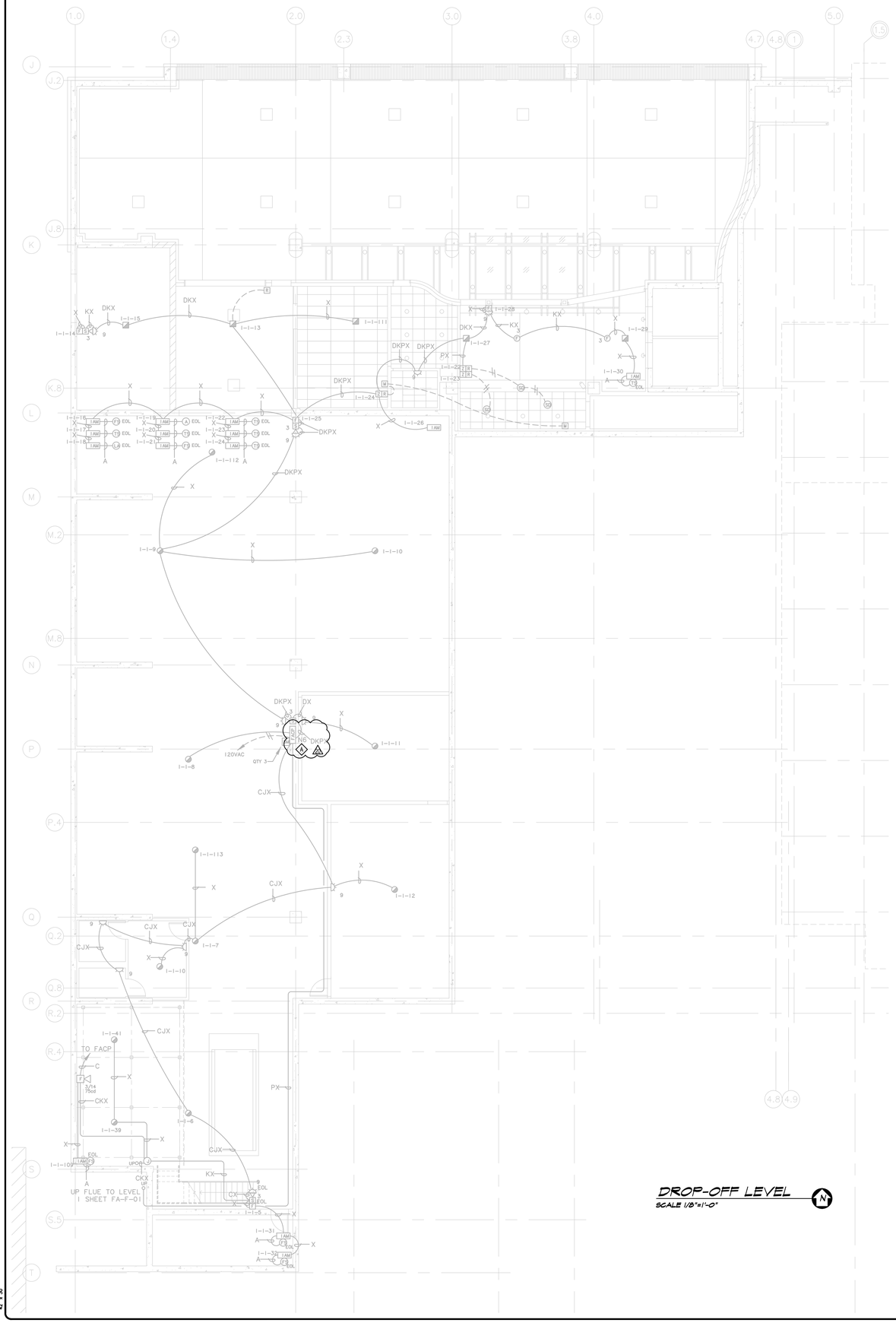
How many hours of battery standby are required?
___4 X 24 ___48 ___60 (4 hours minimum w/ Emergency Generators)

Qty	Part #	Description	Standby Current (A)	Total Standby (A)	Alarm Current (A)	Total Alarm (A)
1	4009-9201	NAC Panel	0.0850	0.0850	0.1850	0.1850
1		Total Current from Volt Drop	0.0000	0.0000	3.5600	3.5600
			Total Standby=	0.0850	Total Alarm=	3.7450

			Time (Hrs)	
Total Standby Current Required=	0.0850	X	24.0000	2.0400
Total Alarm Current Required=	3.7450	X	0.0833	0.3120
Total=				2.3520
20% Depletion Factor=				0.4704
Total Amp/Hour Required=				2.8224
Total Amp/Hour Batteries Provided=			(1) set	6.2000

0.430 Wall Strobe High Candela 185cd
0.094 Strobe 30cd
0.186 Strobe 75cd
0.252 Strobe 110cd
0.075 Ceiling Strobe 15cd
0.125 Ceiling Strobe 30cd
0.233 Ceiling Strobe 75cd
0.316 Ceiling Strobe 110cd
0.075 Synch Strobe 75cd
1.500 Existing Devices

| | | | |



WIRE CODE

ALL WIRING TO MEET CURRENT NATIONAL ELECTRIC CODE ARTICLE 760, 300, 310, 370, 725 AND ALL RELATED SECTION CODE REQUIREMENTS

LETTER	QTY	COLOR/TYPE	SIZE	FUNCTION
A	2	BLACK/ORANGE TFN	16	ZONE
C	2	RED/BLUE THHN	12	STROBE
D	4	RED/BLUE THHN	12	STROBE LOOP
E	2	BROWN/YELLOW THHN	14	DOOR HOLDERS
F	4	ORANGE/YEL./BLACK/BLUE THHN	14	FAN SHUTDOWN
H	1	WEST PENN D975	18	REMOTE ANNUNCIATOR
	2	RED/BLACK THHN	14	
J	1	TW/SHLD. PAIR	12	SPEAKER
K	2	TW/SHLD. PAIR	12	SPEAKER LOOP
L	2	YELLOW THHN	14	ELEVATOR RECALL
M	2	BROWN/YELLOW THHN	14	DOOR CONTROL
N	2	RED/BLACK THHN	14	NAC TRIGGER
P	2	RED/BLACK THHN	14	24VDC POWER
R	2	BLUE/WHITE TFN	16	REMOTE LED
T	2	WEST PENN D975	18	TRANSPONDER PANEL
	2	TW/SHLD PAIR	16	
	2	RED/BLACK THHN	14	
X	1	WEST PENN D975	18	ADDR. MAPNET DATA LINE

NOTES:

1) TAG AND IDENTIFY ALL ZONE WIRES WITH ZONE NUMBER.
2) TAG AND IDENTIFY ALL SIGNAL CIRCUIT WIRES WITH SIGNAL CIRCUIT NUMBER.
3) TAG AND IDENTIFY ALL ANNUNCIATOR WIRES.

LEGEND

SYMBOL	DESCRIPTION	MODEL #	BACK BOX
F 2–2	ADDRESSABLE MANUAL PULL STATION • SUBSCRIPT INDICATES MAPNET #	2099–9795	4" SQ DEEP 2 GANG 4" RING
FF 2–2	ADDRESSABLE MANUAL STATION • SUBSCRIPT INDICATES MAPNET #	4099–9001	4" SQ W/SG BY EC
F 2–2	ADDRESSABLE MANUAL STATION • SUBSCRIPT INDICATES MAPNET #	4099–9004	4" SQ W/SG BY EC
H 2	WALL HORN/STROBE • SUBSCRIPT INDICATES CIRCUIT # & CANDELA	4903–9427	4" SQ BY EC
F 2	MULTICANDELA WALL SPEAKER/STROBE • SUBSCRIPT INDICATES CIRCUIT # & CANDELA SETTING	4906–9151	4" SQ DEEP 1.5" EXT BY EC
S 2	WALL MOUNT SPEAKER • SUBSCRIPT INDICATES CIRCUIT #	4902–9703	4" SQ DEEP 1.5" EXT BY EC
(F) 2	CEILING MOUNT SPEAKER • SUBSCRIPT INDICATES CIRCUIT #	4902–9705 OR 4902–9721	4" SQ DEEP 1.5" EXT BY EC
MCD Mxcd 2	MULTICANDELA CEILING SPEAKER/STROBE • SUBSCRIPT INDICATES CIRCUIT #	4906–9154	4" SQ BY EC
MCD Mxcd 2	MULTICANDELA CEILING STROBE • SUBSCRIPT INDICATES CIRCUIT #	4906–9102	4" SQ BY EC
Mxcd 2	MULTICANDELA WALL STROBE 15cd • SUBSCRIPT INDICATES CIRCUIT #	4906–9103	4" SQ BY EC
HVxcd 2	HIGH CANDELA WALL STROBE • SUBSCRIPT INDICATES CIRCUIT #	4906–9109	4" SQ DEEP 1.5" EXT BY EC
15cd 2	STROBE 15cd • SUBSCRIPT INDICATES CIRCUIT #	4904–9331	4" SQ BY EC
75cd 2	STROBE 75cd • SUBSCRIPT INDICATES CIRCUIT #	4904–9332	4" SQ BY EC
110cd 2	STROBE 110cd • SUBSCRIPT INDICATES CIRCUIT #	4904–9333	4" SQ BY EC
SZ 2–2	SIGNAL ZAM • SUBSCRIPT INDICATES MAPNET #	2190–9161	4 11/16" SQ., 2 1/8" DEEP w/ 1 1/2" DEEP EXTENSION RING
SM	SMART SYNCH MODULE	4905–9938	4" SQ 2 1/8" DEEP W/4" SQ BY EC
2–2	SMOKE SENSOR AND BASE • SUBSCRIPT INDICATES MAPNET #	4098–9714 w/ 4098–9792 BASE	4" OCT BY EC
S 2–2 135Hz	SMOKE SENSOR W/SOUNDER BASE • SUBSCRIPT INDICATES MAPNET #	4098–9714 w/ 4098–9772 BASE	4" OCT X 1–1/2" DEEP BY EC
S 2–2	SMOKE DETECTOR w/ RELAY DRIVER BASE • SUBSCRIPT INDICATES MAPNET #	4098–9714 w/ 4098–9791 BASE	4" x 2 1/8" DEEP OCT. W/ 1 1/2" EXTENSION RING BY EC
2–2	HEAT SENSOR AND BASE • SUBSCRIPT INDICATES MAPNET #	4098–9733 w/ 4098–9792 BASE	4" SQ w/ 4" OCT RING
D 2–2	DUCT DETECTOR HOUSING AND SENSOR • SUBSCRIPT INDICATES MAPNET #	4098–9756 HOUSING	SELF–CONTAINED
	LED INDICATOR	2098–9808	GANG RING ON 4" SQ
FS	WATERFLOW SWITCH	BY OTHERS	BY OTHERS
TS	TAMPER SWITCH	BY OTHERS	BY OTHERS
LA	LOW AIR	BY OTHERS	BY OTHERS
A	ALARM	BY OTHERS	BY OTHERS
SD	FIRE/SMOKE DAMPER	BY OTHERS	BY OTHERS
IAM 2–2	SUPERVISED IAM • SUBSCRIPT INDICATES MAPNET #	2190–9172 OR 4090–9001	4" SQ DEEP BOX w/ 4" SQ BLANK BY EC
RD	ROLL DOOR	BY OTHERS	BY OTHERS
	MAGNETIC DOOR LOCKS	BY OTHERS	BY OTHERS
M	MAGNETIC DOOR HOLDERS	2088–9578 or 2088–9608	4" SQ. w/ SINGLE GANG EXT. RING BY EC
d	DOOR LOCK CONTROL	BY OTHER	BY OTHER
R	REMOTE RELAY – DPDT	2088–9010	SELF–CONTAINED
RR	REMOTE RELAY	2088–9008	SELF–CONTAINED
Z 2–2	CONTROL ZAM • SUBSCRIPT INDICATES MAPNET #	2190–9163	4 11/16" SQ., 2 1/8" DEEP w/ 1 1/2" DEEP EXTENSION RING AND SURFACE COVER BY EC
RIAM 2–2	DUAL RELAY MODULE • SUBSCRIPT INDICATES MAPNET #	4090–9008	4" SQ DEEP BOX w/ 4" SQ BLANK BY EC
ANNU	REMOTE LCD ANNUNCIATOR	4603–9101	6 GANG BOX BY EC
NAC	NAC PANEL	4009–9201	16.25"W x 13.5"H x 4.25"D
TPR	TRANSPONDER PANEL	4100–8019	52.125"W x 25.75"H x 6.75"D
FACP	EXISTING FIRE ALARM CONTROL PANEL	4100 SERIES	EXISTING

KEY NOTES:

1. JCI TECH TO ADD NEW COMMUNICATION CARD TO FACP.

GENERAL NOTES:

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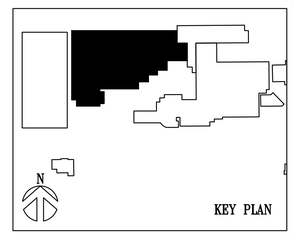

Johnson Controls

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Tukwila, Wa. 98168
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20	2/18/26	AHJ REVIEW	SSS	SEH	650918965

DRAWINGS REVIEWED BY:

Scott Haynes, CET
NICET #142681
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
DROP–OFF LEVEL FLOOR PLANS

GOOD SAMARITAN HOSPITAL – WEST WING (DALLY)
407 15TH AVENUE SOUTHEAST
PUYALLUP, WA

APPROVED BY: K. CHUN
DRAWN BY: JCP
DATE: 3–1–2000
PROJECT NUMBER: 459–990051

SHEET NUMBER: FA–DO–01

WORKING DRAWING NAME: FA–DO–01

47" x 36"