GOOD SAMARITAN HOSPITAL

HYBRID O.R. #1
TENANT IMPROVEMENT

Fire Alarm and Detection System

Equipment Supplied By

Johnson Controls

Project Team Contact Information			
Sales Representative:	Tim Duggan	timothy.duggan@jci.com	(253) 509-8816
Project Engineer:	Eric Beck	eric.beck@jci.com	(206) 777-4821
Project Coordinator:	Bryan Reimer	bryan.reimer@jci.com	(206) 777-4933
Technician Scheduler:	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
X	FA-DET-03	WIRING TYPICALS
	FA-PG	PARKING
	FA-DO-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
X	FA-F-02W-D	LEVEL 2 WEST DEMO
X	FA-F-02W	LEVEL 2 WEST
	FA-F-02E	LEVEL 2 EAST
	FA-R-01	ROOF

42" x 30"

Johnson Controls

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

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
16	8/14/20	GORDON EDU T.I.	SSS	JWB	619230901
17	2/22/21	GORDON EDU T.I.– CUSTOMER CMNT	MAM	JWB	619230901
	06/14/21	GORDON EDU RECORD DRAWINGS	MAM		619230901
	09/02/21	GORDON EDU RECORD DWGS. UPDATES	MAM		619230901
18	5/5/23	HYBRID O.R. #1 T.I.	MAM	EQB	650284615

DRAWINGS REVIEWED BY:
Eric Beck, CET
NICET #228884
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
TITLE SHEET

GOOD SAMARITAN HOSPITAL – WEST WING
407 14TH 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

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.

TI ARCHITECT:	MAZZETTI ARCHITECTS SEATTLE,WA.
FIRE ALARM SYSTEM TI DESIGNED BY:	JOHNSON CONTROLS TUKWILA, WA
FIRE ALARM SYSTEM TI INSTALLED BY:	PRECISION ELECTRIC GROUP REDMOND, 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

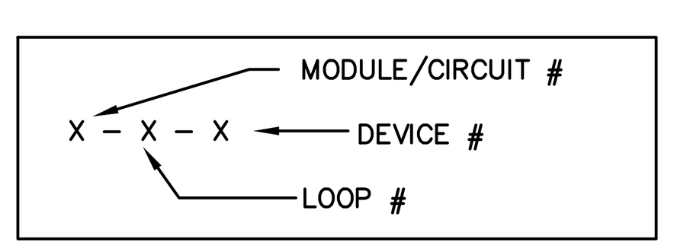
MONITORING COMPANY

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	3.7300	3.7300	4.7000	4.7000
1		Audible/Visible Devices	0.0000	0.0000	5.9510	5.9510
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	4098-9843	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
2	2190-9161	Signal Zam	0.0150	0.0300	0.0400	0.0800
			Total Standby=	4.2333	Total Alarm=	13.4895

			Time (Hrs)	
Total Standby Current Required=	4.2333	X	4.0000	16.9332
Total Alarm Current Required=	13.4895	X	0.2500	3.3724
Total=				20.3056
20% Depletion Factor=				4.0611
Total Amp/Hour Required=				24.3667
Total Amp/Hour Batteries Provided=			(1) set	110.0000

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

Wall Strobe High Candela 185cd	Strobe 30cd	Strobe 75cd	Strobe 110cd	Ceiling Strobe 15cd	Ceiling Strobe 30cd	Ceiling Strobe 75cd	Ceiling Strobe 110cd	Synch Strobe 75cd	Existing Devices	Signal Circuits - NAC#1		Current	Dist. (ft)	Voltage Drop
0.430	0.094	0.186	0.252	0.075	0.125	0.233	0.316	0.075	1.500					
								9		N1-1	Ground Floor	0.675	430	1.78
								10		N1-2	Ground Floor	0.750	460	2.12
								7		N1-3	First Floor	0.525	510	1.64
2				1				9		N1-4	First Floor	1.610	555	5.49
2	0	0	0	1	0	0	0	35	0	Total		3.560		

BATTERY CALCULATIONS - NAC#2 LEVEL 1

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	2.5170	2.5170
			Total Standby=	0.0850	Total Alarm=	2.7020

			Time (Hrs)	
Total Standby Current Required=	0.0850	X	24.0000	2.0400
Total Alarm Current Required=	2.7020	X	0.0833	0.2251
Total=				2.2651
20% Depletion Factor=				0.4530
Total Amp/Hour Required=				2.7181
Total Amp/Hour Batteries Provided=			(1) set	6.2000

Wall Strobe High Candela 185cd	Ceiling Strobe 15cd	Existing Devices	Signal Circuits - NAC#2 - Level 1 Equipment Rm F171		Current	Dist. (ft)	Voltage Drop
0.430	0.075	1.500					
			N2-1	Level 1 Northeast	1.562	715	6.86
			N2-2	Level 1 Northeast	0.441	500	1.35
			N2-3	Level 1 Northeast	0.388	460	1.10
			N2-4	Level 1 Northwest	0.126	100	0.08
			N2-5	Spare	0.000		0.00
			N2-6	Spare	0.000		0.00
			N2-7	Spare	0.000		0.00
			N2-8	Spare	0.000		0.00
0	0	0	Total		2.517		

SEQUENCE OF OPERATION

	MANUAL PULL STATION	SMOKE DETECTION	1ST FLR ELEV. LOBBY SMOKE DETECTION	ELEV. LOBBIES EXCEPT 1ST FLR SMOKE DETECTION	ELEV. MACHINE ROOM SMOKE DETECTION	ELEV. SHAFT SMOKE DETECTION	ELEV. SHAFT HEAT DETECTION	DUCT SMOKE DETECTION	HEAT DETECTION	FLOW SWITCH	TAMPER SWITCH	SYSTEM TROUBLE
ACTIVATION OF LOCAL ALARM AT FACP (LCD DISPLAY & AUDIBLE INDICATION)	X	X	X	X	X	X	X	X	X	X		
ACTIVATION OF ALARM AT ANNUNCIATOR	X	X	X	X	X	X	X	X	X	X		
ACTIVATE AUDIBLE/VISIBLE DEVICES	X	X	X	X	X	X	X	X	X	X		
ACTIVATE MAGNETIC DOOR HOLDER RELAYS	X	X	X	X	X	X	X	X	X	X		
ACTIVATE DOOR CONTROL RELAYS	X	X	X	X	X	X	X	X	X	X		
DEACTIVATE SECURITY DOORS PUSH BUTTONS	X	X	X	X	X	X	X	X	X	X		
INITIATE PRIMARY ELEVATOR RECALL RECALL TO FIRST FLOOR				X	X	X						
INITIATE ALTERNATE ELEVATOR RECALL RECALL TO SECOND FLOOR			X									
TRANSMIT ALARM SIGNAL TO CENTRAL STATION MONITOR	X	X	X	X	X			X	X	X		
TROUBLE INDICATION AT FACP												X
TROUBLE INDICATION AT ANNUNCIATOR												X
TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION MONITOR												X
SUPV. INDICATION AT FACP											X	
SUPV. INDICATION AT ANNUNCIATOR											X	
TRANSMIT SUPV. SIGNAL TO CENTRAL STATION MONITOR											X	

MAPNET CIRCUIT DISTRIBUTION

MAPNET #1
1-1 TO 1-53, 1-57 TO 1-60, 1-66 TO 1-107, 1-109
1-110 TO 1-124
MAPNET #2
2-1 TO 2-96, 2-98 TO 2-105, 2-122 TO 2-127
MAPNET #3
3-1 TO 3-42, 3-44 TO 3-49, 3-53, 3-64 TO 3-96, 3-100 TO 3-101
3-118 TO 3-121
MAPNET #6
6-1 TO 6-74, 6-75 TO 6-114

SCOPE OF WORK

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TENANT IMPROVEMENT ON 2ND LEVEL-HYBRID O.R.#1. FOR COVERAGE DURING CONSTRUCTION PHASE, SWAP EXISTING DEVICES FOR HEAT DETECTORS WHERE INDICATED ON DEMO DRAWINGS. UPON COMPLETION OF CONSTRUCTION, DEMO DEVICES WHERE INDICATED ON DEMO DRAWINGS AND INSTALL NEW DEVICES AND WIRE AS INDICATED ON DRAWING FA-F-02W.

ALL NEW WIRING NEEDED WILL BE CLASS B.

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

TRANSPONDER #1 - 2ND FLOOR

MAPNET CIRCUIT DISTRIBUTION

MAPNET #4
4-1 TO 4-81
~~MAPNET #5~~
18 5-1 TO 5-100, 5-109

SPEAKER CIRCUITS

18 15) 2ND FLOOR WEST 14.5 WATTS
~~16) 2ND FLOOR EAST 16.5 WATTS~~
17-20) SPARE

AUXILIARY CIRCUITS

11) DOOR HOLDER - WEST
12) DOOR HOLDER - CENTER
13) DOOR HOLDER - EAST
14) AUTOMATIC EGRESS DOORS
15-18) SPARE

Ceiling Strobe 15cd	Wall Strobe High Candela 185cd	Multicandla Speaker/Strobe 15cd	Multicandla Speaker/Strobe 30cd	Multicandla Speaker/Strobe 75cd	Synch Strobe 15cd	Synch Strobe 75cd	Synch Strobe 110cd	Signal Circuits - Transponder 1	Current	Dist. (ft)	Voltage Drop
0.075	0.430	0.067	0.094	0.186	0.067	0.177	0.229				
					17			SIG21) 2nd Floor Northwest	1.139	580	4.06
					11	1		SIG22) 2nd Floor Southwest	0.914	700	3.93
		1			8	1	2	SIG23) 2nd Floor Northeast	1.171	540	3.88
					14	2		~~SIG24) 2nd Floor Southeast~~	~~1.292~~	~~540~~	~~4.28~~
		2			1			SIG25) 2nd Floor-Hybrid OR #1	0.255	310	0.504
								~~SIG26) Spare~~	~~0.000~~		~~0.00~~
		3	0	0	51	4	2	Total	2.718		

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BATTERY CALCULATIONS - TPR #1

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	4100-9600	Transponder Panel	1.0800	1.0800	10.1750	10.1750
~~1~~	~~4906-9153~~	~~Speaker/Strobe Wall 15cd~~	~~0.0000~~	~~0.0000~~	~~0.0600~~	~~0.0600~~
2	4906-9154	Speaker/strobe Ceiling 15cd	0.0000	0.0000	0.0670	0.1340
~~50~~	~~4904-9331~~	~~Strobe 15cd~~	~~0.0000~~	~~0.0000~~	~~0.0670~~	~~3.3500~~
2	9404-9332	Strobe 75cd	0.0000	0.0000	0.1770	0.3540
3	4904-9333	Strobe 110cd	0.0000	0.0000	0.2290	0.6870
1	4098-9756	TrueAlarm Duct Smoke Sensor	0.0024	0.0024	0.0150	0.0150
7	2190-9163	Control ZAM	0.0100	0.0700	0.0400	0.2800
4	2088-9008	Remote Relay	0.0000	0.0000	0.0150	0.0600
~~30~~	~~4098-97921~~	~~Smoke Sensor w/ Relay~~	~~0.0003~~	~~0.0090~~	~~0.0280~~	~~0.8400~~
1	4090-9008	Dual Remote Relay	0.0000	0.0000	0.0150	0.0150
				0.0000		0.0000
			Total Standby=	1.1614	Total Alarm=	15.9700

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			Time (Hrs)	
Total Standby Current Required=	1.1614	X	24.0000	27.8736
Total Alarm Current Required=	15.9700	X	0.2500	3.9925
Total=				31.8661
20% Depletion Factor=				6.3732
Total Amp/Hour Required=				38.2393
Total Amp/Hour Batteries Provided=			(1) set	50.0000

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BATTERY CALCULATIONS - NAC#3 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	0.7530	0.7530
			Total Standby=	0.0850	Total Alarm=	0.9380

			Time (Hrs)	
Total Standby Current Required=	0.0850	X	24.0000	2.0400
Total Alarm Current Required=	0.9380	X	0.0833	0.0781
Total=				2.1181
20% Depletion Factor=				0.4236
Total Amp/Hour Required=				2.5418
Total Amp/Hour Batteries Provided=			(1) set	6.2000

Speaker/Strobe 15cd	Speaker/Strobe 30cd	Speaker/Strobe 75cd	Speaker/Strobe 110cd	Signal Circuits - NAC#3		Current	Dist. (ft)	Voltage Drop
0.053	0.063	0.124	0.168					
	1		2	N3-1	Ground & Level 1	0.399	100	0.24
2		2		N3-2	Level 2	0.354	170	0.37
				N3-3	Spare	0.000		0.00
				N3-4	Spare	0.000		0.00
2	1	2	2	Total		0.753		

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
P 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
F Mxxcd	MULTICANDELA CEILING SPEAKER/STROBE * SUBSCRIPT INDICATES CIRCUIT #	4906-9154	4" SQ BY EC
Mxxcd	MULTICANDELA CEILING STROBE * SUBSCRIPT INDICATES CIRCUIT #	4906-9102	4" SQ BY EC
Mxxcd 2	MULTICANDELA WALL STROBE 15cd * SUBSCRIPT INDICATES CIRCUIT #	4906-9103	4" SQ BY EC
HI xxcd 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 R	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

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.

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

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
16	8/14/20	GORDON EDU T.I.	SSS	JWB	619230901
17	2/22/21	GORDON EDU T.I.- CUSTOMER CMNT	MAM	JWB	619230901
	06/14/21	GORDON EDU RECORD DRAWINGS	MAM		619230901
	09/02/21	GORDON EDU RECORD DWGS. UPDATES	MAM		619230901
18	5/5/23	HYBRID O.R. #1 T.I.	MAM	EQB	650284615

DRAWINGS REVIEWED BY:
Eric Beck, CET
NICET #228884
Fire Alarm Systems, Level III
[illegible]

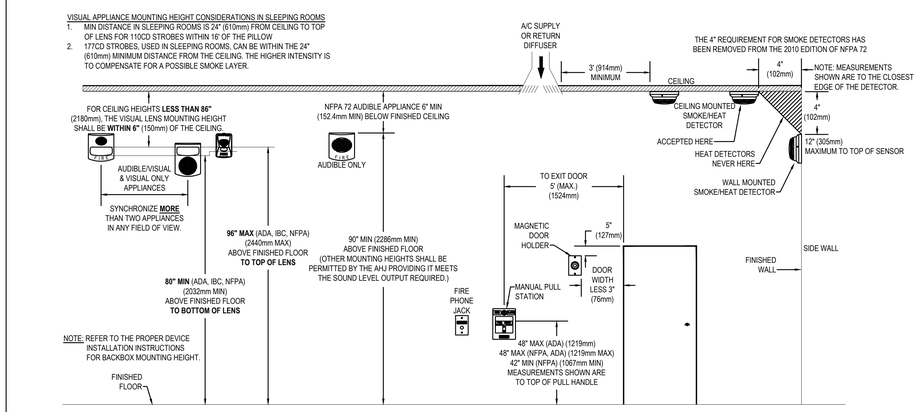
FIRE ALARM SYSTEM
COVER SHEET
GOOD SAMARITAN HOSPITAL - WEST WING
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA

APPROVED BY: K. CHUN
DRAWN BY: JCP
DATE: 3-1-2000
PROJECT NUMBER: 459-990051
WORKING DRAWING NAME: FA-COVER
SHEET NUMBER: FA-COV-02

42" x 30"

DEVICE MOUNTING HEIGHT REFERENCE

PER NFPA 72



END OF LINE RESISTOR CODES

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

MODEL	REF. NUMBER	Ω	BAND NUMBER 3	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 (4300)	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.	4004*, 4004R, 4005*, 4006, 4100, 4120, 4100U, ZAMs 4605-7401, 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 (EOLR) 2080-9024
4081-9004	733-886	6.8K	BLU	GRY	RED	GLD	N/A	1/2	N/O INITIATING PULL, SMOKE, HEAT, W.FLOW, TAMPER, ETC	4004, 4005, 4090-9001 IDNET IAM, 2190-9173 MAPNETII 2-PT I/O
4081-9005	733-984	1.8K	BRN	GRY	RED	GLD	N/A	1/2	CURRENT LIMITED N.O. INITIATING (INLINE)	4-20MA ZAM (TROUBLE) 4090-9001 IDNET IAM
4081-9006	733-890	560	GRN	BLU	BRN	GLD	N/A	1	N.C. INITIATING (EOLR)	4005*, 4090-9001 IDNET IAM 4100, 4100U
4081-9007	733-891	1.2K	BRN	RED	RED	GLD	N/A	1	N.C. INITIATING (EOLR)	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 4090-9001 IDNET IAM
4081-9011	733-974	100	BRN	BLK	BRN	GLD	N/A	1/2	ANNUNCIATOR (N2)	4006, 4008, 4010
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 EOLR)	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 EOLR)	4090-9001 IDNET IAM
4081-9016	734-149	150K	BRN	GRN	YEL	GLD	N/A	1/2		
4081-9017	734-171	3.9K	ORG	WHT	RED	GLD	N/A	1		
4081-9018	734-168	10K	BRN	BLK	ORG	GLD	N/A	1	70VRMS CONSTANT SUPV. NAC	4100-1260
	378-090	8.2K	GRY	RED	RED	GLD	N/A	1/2	SECURITY MONITORING (EOLR)	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

* USE WITH RETROFIT OR HIGH CURRENT MODULE

DIP SWITCH SETTINGS - INITIATING

SIMPLEX MAPNET

DIP SWITCHES 5 THRU 8

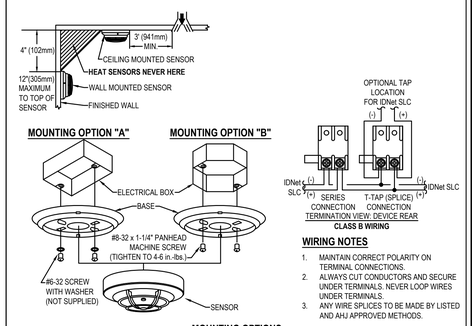
DIP SWITCHES 1 THRU 4

	M	16	32	48	64	80	96	112
	1	17	33	49	65	81	97	113
	2	18	34	50	66	82	98	114
	3	19	35	51	67	83	99	115
	4	20	36	52	68	84	100	116
	5	21	37	53	69	85	101	117
	6	22	38	54	70	86	102	118
	7	23	39	55	71	87	103	119
	8	24	40	56	72	88	104	120
	9	25	41	57	73	89	105	121
	10	26	42	58	74	90	106	122
	11	27	43	59	75	91	107	123
	12	28	44	60	76	92	108	124
	13	29	45	61	77	93	109	125
	14	30	46	62	78	94	110	126
	15	31	47	63	79	95	111	127

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.

STANDARD SENSOR BASE

SIMPLEX 4098-9792



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.

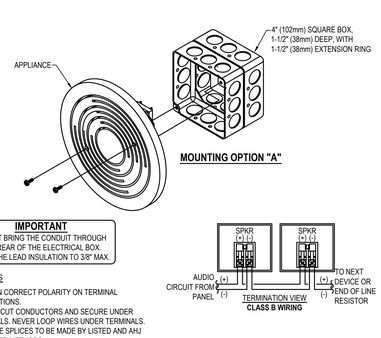
MOUNTING OPTIONS

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

True*Alert* CONVENTIONAL APPLIANCES

SIMPLEX 4902-9721 WALL/CEILING MOUNTED SPEAKER



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.

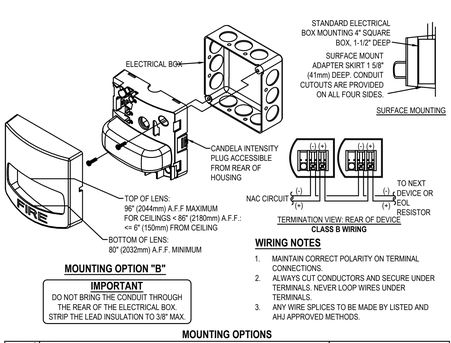
MOUNTING OPTIONS

OPTION [1]	DESCRIPTION	NOTE
A	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

True*Alert* CONVENTIONAL APPLIANCES

SIMPLEX 4906 SERIES WALL MOUNTED VISUAL



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.

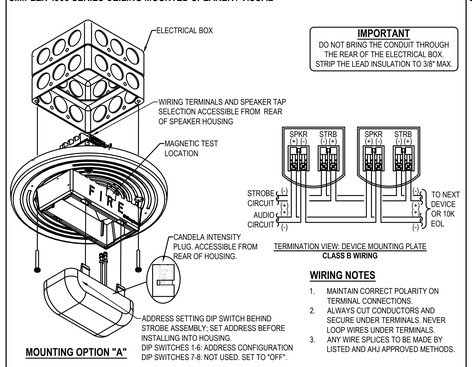
MOUNTING OPTIONS

OPTION [1]	DESCRIPTION	NOTE
A	SINGLE GANG BOX, 1-1/2" (64mm) DEEP	BY OTHERS. WHEN SURFACE MOUNTING USE 4905-9937 (RED) OR 4906-9940 (WHITE) SKIRT
B	4" (102mm) SQUARE BOX, 1-1/2" (38mm) DEEP, MINIMUM	
C	2 GANG BOX, 1-1/2" (38mm) DEEP	
D	SIMPLEX 2975-9145, 7-7/8"H x 5-1/8"W x 2-3/4"D (127mm x 98mm x 56mm) REQUIRES 4905-9931 PLATE	ORDERED SEPARATELY

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET 4906-0002 FROM HTTP://WWW.SIMPLEX-FIRE.COM

True*Alert* CONVENTIONAL APPLIANCES

SIMPLEX 4906 SERIES CEILING MOUNTED SPEAKER / VISUAL



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.

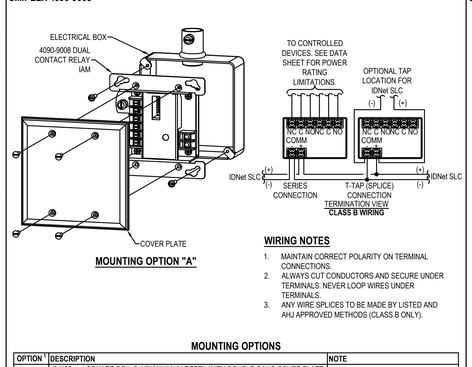
MOUNTING OPTIONS

OPTION [1]	DESCRIPTION	NOTE
A	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

DUAL CONTACT RELAY IAM

SIMPLEX 4090-9008



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 (CLASS B ONLY).

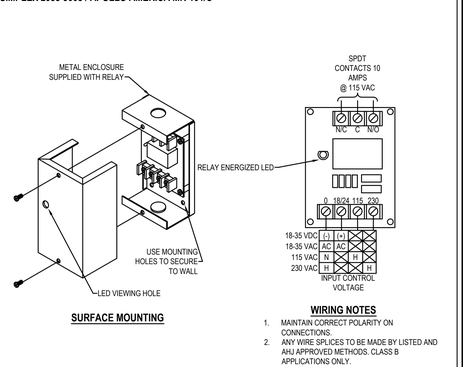
MOUNTING OPTIONS

OPTION [1]	DESCRIPTION	NOTE
A	4" (102mm) SQUARE BOX, 2-1/8" MINIMUM DEPTH WITH DOUBLE GANG COVER PLATE.	BY OTHERS
B	4" (102mm) SQUARE BOX, 2-1/8" MINIMUM DEPTH WITH SIMPLEX 4090-9801 TRIM PLATE FOR SEMI-FLUSH MOUNTED BOX.	BOX BY OTHERS, PLATES ORDERED SEPARATELY
C	4" (102mm) SQUARE BOX, 2-1/8" MINIMUM DEPTH WITH SIMPLEX 4090-9802 TRIM PLATE FOR SURFACE MOUNTED BOX	BOX BY OTHERS, PLATES ORDERED SEPARATELY

1. FOR ADDITIONAL MOUNTING OPTIONS, DOWNLOAD DATA SHEET S4090-0014 FROM HTTP://WWW.SIMPLEX-FIRE.COM

SPDT CONTROL RELAY

SIMPLEX 2088-9008 / APOLLO AMERICA MR-101/C



WIRING NOTES

1. MAINTAIN CORRECT POLARITY ON CONNECTIONS.
2. ANY WIRE SPLICES TO BE MADE BY LISTED AND AHJ APPROVED METHODS. CLASS B APPLICATIONS ONLY.

FOR ADDITIONAL DETAILS SEE DATA SHEET 2088-0010 ON HTTP://WWW.SIMPLEX-FIRE.COM

TYPICAL POINT TO POINT WIRING DIAGRAM

SCALE: NONE

24" x 36"

Johnson Controls

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

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
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	09/02/21	GORDON EDU RECORD DWGS. UPDATES	MAM	EQB	650284615
18	5/5/23	HYBRID O.R. #1 T.I.	MAM		

DRAWINGS REVIEWED BY:
Eric Beck, CET
NICET #228884
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM DETAIL SHEET

GOOD SAMARITAN HOSPITAL – WEST WING

407 14TH AVENUE SOUTHEAST
PUYALLUP, WA

WORKING DRAWING NAME: FA–COVER

APPROVED BY: K. CHUN

DRAWN BY: JCP

DATE: 3–1–2000

PROJECT NUMBER: 459–990051

SHEET NUMBER: FA–DET–02

AREA OF WORK

SECOND FLOOR WEST DEMO

SCALE 1/8"=1'-0"

REV 18 GENERAL NOTES:

1. EXISTING INFORMATION IS SHOWN LIGHT AND BASED ON INFORMATION PROVIDED BY OTHERS. FIELD VERIFY ALL EXISTING EQUIPMENT AND CONNECTIONS.CONTRACTOR IS TO RED LINE ANY AND ALL CHANGES AND MARK ON RECORD DRAWINGS
2. TAP ALL SPEAKERS AT 25v, 1/2W. FIELD VERIFY VOLTAGE.

REV 18 FLAG NOTES:

18 1 > DURING CONSTRUCTION PHASE DEVICES ARE TO BE REPROGRAMMED AS AND SWAPPED FOR HEAT DETECTORS. UPON COMPLETION OF CONSTRUCTION PHASE REMOVE AND RETURN TO OWNER TO BE RETAINED.

18 2 > INSTALL NEW DEVICE IN THIS EXISTING LOCATION. FIELD VERIFY ANY CONNECTIONS TO EXISTING CIRCUITS.

18 3 > FIELD VERIFY RELAY AND FAN SHUTDOWN LOCATION. FAN TO OPERATE PER SMOKE CONTROL SEQUENCE OF OPERATION PROVIDED BY OTHERS AND UNAVAILABLE AT THE TIME OF DESIGN.

18 4 > EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER. REMOVE ANY UNNEEDED WIRE AND MAINTAIN CIRCUIT INTEGRITY.

NOTE:

- REFER TO SHEET FA-F-02A FOR SMOKE/FIRE DAMPER LOCATIONS. FIELD VERIFY SMOKE/FIRE DAMPER CIRCUITING.

KEY PLAN

Johnson Controls

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

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
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18	5/5/23	HYBRID O.R. #1 T.I.	MAM	EQB	650284615

DRAWINGS REVIEWED BY:
Eric Beck, CET
NICET #228884
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
SECOND FLOOR WEST DEMO PLAN

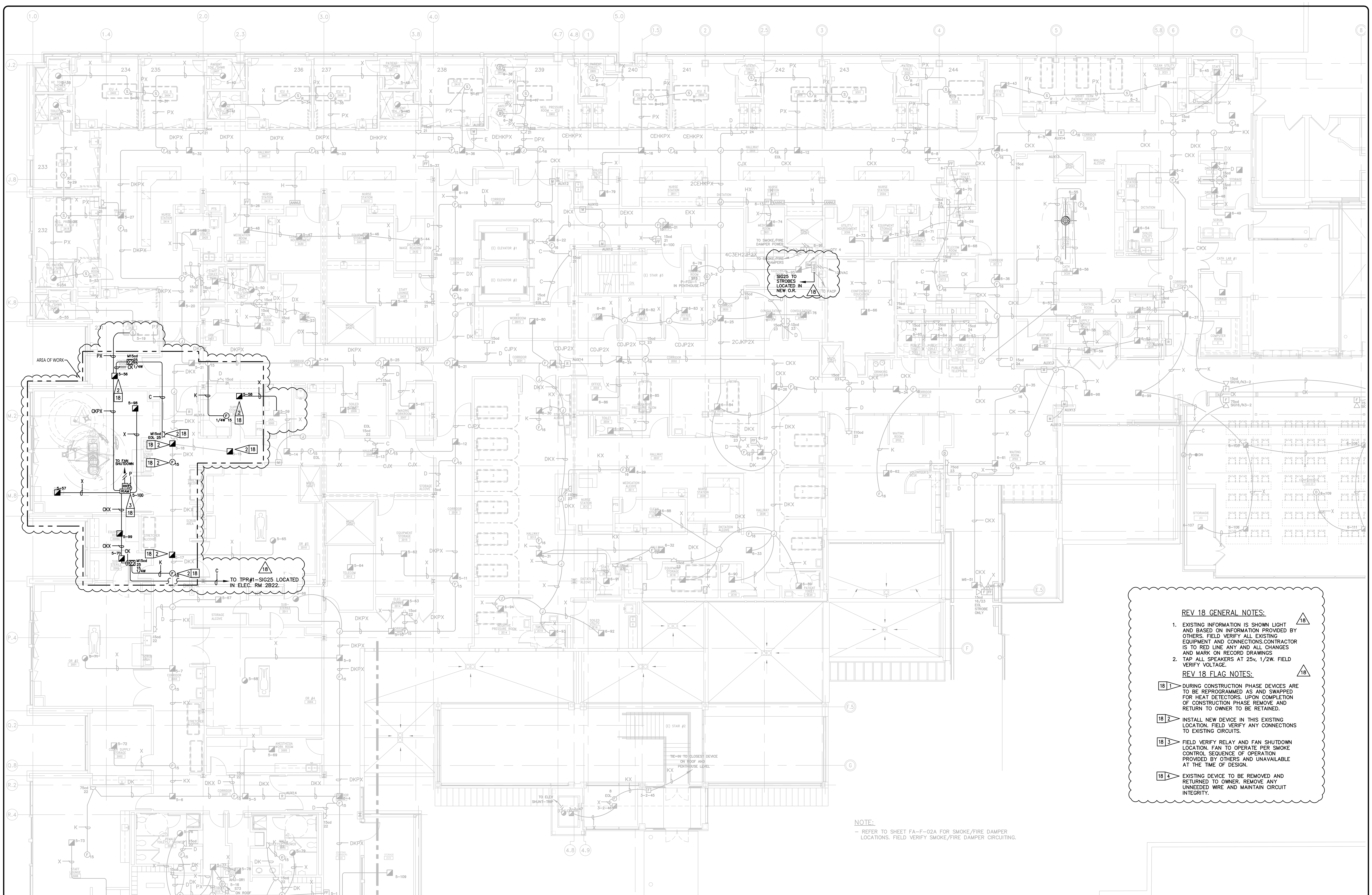
GOOD SAMARITAN HOSPITAL – WEST WING
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA

WORKING DRAWING NAME

APPROVED BY: K. CHUN
DRAWN BY: JCP
DATE: 3-1-2000
PROJECT NUMBER: 459-990051
SHEET NUMBER: FA-F-02W-D

FA-F-02

24" x 36"



SECOND FLOOR WEST
SCALE 1/8"=1'-0"

NOTE:
- REFER TO SHEET FA-F-02A FOR SMOKE/FIRE DAMPER LOCATIONS. FIELD VERIFY SMOKE/FIRE DAMPER CIRCUITING.

REV 18 GENERAL NOTES: (18)

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2. TAP ALL SPEAKERS AT 25v, 1/2W. FIELD VERIFY VOLTAGE.

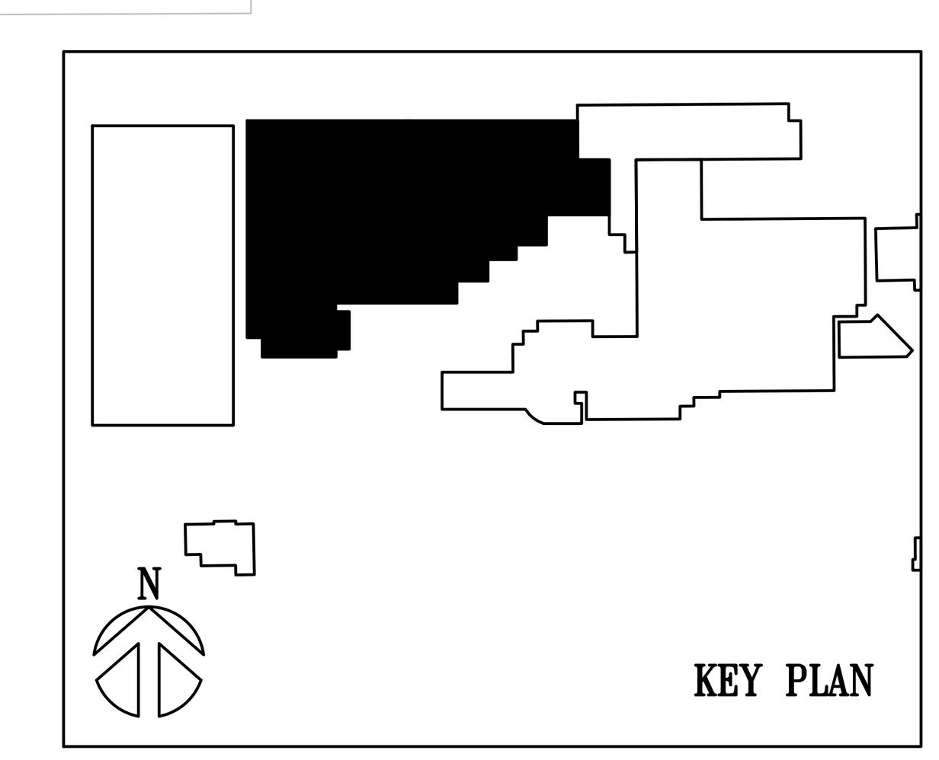
REV 18 FLAG NOTES: (18)

18-1: DURING CONSTRUCTION PHASE DEVICES ARE TO BE REPROGRAMMED AS AND SWAPPED FOR HEAT DETECTORS. UPON COMPLETION OF CONSTRUCTION PHASE REMOVE AND RETURN TO OWNER TO BE RETAINED.

18-2: INSTALL NEW DEVICE IN THIS EXISTING LOCATION. FIELD VERIFY ANY CONNECTIONS TO EXISTING CIRCUITS.

18-3: FIELD VERIFY RELAY AND FAN SHUTDOWN LOCATION. FAN TO OPERATE PER SMOKE CONTROL SEQUENCE OF OPERATION PROVIDED BY OTHERS AND UNAVAILABLE AT THE TIME OF DESIGN.

18-4: EXISTING DEVICE TO BE REMOVED AND RETURNED TO OWNER. REMOVE ANY UNNEEDED WIRE AND MAINTAIN CIRCUIT INTEGRITY.



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

NO.	DATE	REVISION DESCRIPTION	DRAFTER	ENGINEER	PROJECT #
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DRAWINGS REVIEWED BY:
Eric Beck, CET
NICET #228884
Fire Alarm Systems, Level III

FIRE ALARM SYSTEM
SECOND FLOOR WEST PLAN
GOOD SAMARITAN HOSPITAL - WEST WING
407 14TH AVENUE SOUTHEAST
PUYALLUP, WA

APPROVED BY: K. CHUN
DRAWN BY: JCP
DATE: 3-1-2000
PROJECT NUMBER: 459-990051
WORKING DRAWING NAME: FA-F-02
SHEET NUMBER: FA-F-02W

42" x 30"