RSN:1784043
CT-24-2416968

THE MEDICAL CENTER OF AURORA - SOUTH
OR EXPANSION - DOOR RELAY ADD
MODIFICATION TO EXISTING FIRE ALARM SYSTEM

City of Aurora Building Division
Project: *Door Relay*
Address: *1501 S Potomac St.*
Occupancy Group: *IBC I-2*
Construction Type: *IBC IA-SPK*
RSN: *1784043*
Permit: *24-2416968*

Johnson Controls
DISTRICT - 419
14200 E. EXPOSITION AVE
AURORA, CO 80012
SERVICE: 303-355-0500
PHONE: 303-355-0500
FAX: 303-355-0615

NICET CERTIFICATION INFORMATION
CALE RAUCH
NICET Fire Alarm, III
Certification #151588
Valid Through: 12/01/25
02/15/2024

DRAWING INDEX

Sheet List Table

Sheet Number	Sheet Title
General Information (FA-000 Series)	
FA-001	COVER SHEET
Floorplans (FA-100 Series)	
FA-101	FIRST FLOOR PARTIAL DEVICE PLACEMENT PLAN
Risers (FA-200 Series)	
FA-201	FIRST FLOOR PARTIAL RISER DIAGRAM
Calculations (FA-600 Series)	
FA-601	NODE-1 TRANSPONDER-4 CALCULATIONS AND SCHEDULES
Typical Details (FA-700 Series)	
FA-701	TYPICAL DEVICE WIRING

BUILDING/FIRE DEPT PLAN REVIEW #:

AURORA BUILDING CODES DIVISION
15151 EAST ALAMEDA PARKWAY, 2ND FLOOR PERMIT CENTER
AURORA, COLORADO 80012
(303) 739–7420

GENERAL NOTES

1. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY EQUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS IS TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
2. SHOULD ANY CONDITIONS EXIST THAT DIFFER FROM WHAT IS INDICATED ON THESE DRAWINGS WHICH CAUSE MAJOR DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL CONTACT JOHNSON CONTROLS IN A TIMELY MANNER SO AS NOT TO IMPAIR THE CONSTRUCTION SCHEDULE.
3. CONTRACTOR IS RESPONSIBLE FOR MAKING AND OBTAINING APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATION OF EQUIPMENT AND/OR DEVICES WHICH ARE AFFECTED BY ANY AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.
4. A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.
5. THE POWER CIRCUIT TO THE FACP AND TO THE FIRE ALARM POWER SUPPLIES SHALL BE ON A DEDICATED 120V, 20A BRANCH CIRCUIT BREAKER, AND SHALL HAVE A RED MARKING, LOCK-ON PROVISION AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECT MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
6. UPDATE THE AS-BUILT DRAWING SET DAILY WITH JOB PROGRESS. RETURN THE AS-BUILT DRAWING SET TO JOHNSON CONTROLS NO LATER THAN 7 DAYS AFTER FINAL TEST.
7. THE CONTRACTOR WILL MAINTAIN ALL AREAS OF THE BUILDING IN A NEAT AND WORKMANLIKE MANNER.
8. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED JOHNSON CONTROLS TECHNICAL REPRESENTATIVE.
9. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE THE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM INSTALLER.
10. THE FIRE ALARM INSTALLER WILL MAINTAIN THE FIRE RESISTANCE INTEGRITY OF ALL WALL, CEILING, AND ROOF ASSEMBLIES ANY TIME THAT WORK IS NOT ACTIVELY BEING PERFORMED.
11. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN THE FACP ENCLOSURE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE ELECTRICAL CODES. REFER TO 'APPLICABLE CODES & STANDARDS' FOR SPECIFIC CODE REFERENCES.
12. ALL WIRING SHALL BE INSTALLED ACCORDING TO APPLICABLE ELECTRICAL CODES.
13. FIRE ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODE SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.
14. FIRE ALARM CABLE INSTALLED IN DUCTS, PLENUM, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP.
15. FIRE ALARM CABLE INSTALLED IN THE VERTICAL RUNS AND PENETRATING MORE THAN ONE FLOOR OR CABLES INSTALLED IN VERTICAL RUNS IN SHAFTS SHALL BE TYPE FPLR.
16. FIRE ALARM CABLE INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS.
17. FIRE ALARM CIRCUITS EXTENDING BEYOND ONE BUILDING AND RUN OUTDOORS SHALL BE INSTALLED IN ACCORDANCE APPLICABLE ELECTRICAL CODES, WHERE APPLICABLE.
18. ALL WIRING, INCLUDING SHIELDS MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
19. ALL SHIELDED WIRE MUST HAVE SHIELD CONTINUITY AT FULL LENGTH OF THE WIRE.
20. ONLY SYSTEM WIRING CAN BE RUN IN THE SAME CONDUIT.
21. 120VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
22. MAINTAIN MAXIMUM CONDUIT FILL RATIO AS PER APPLICABLE ELECTRICAL CODES REQUIREMENTS.
23. EXISTING CONDUITS MAY BE USED BY THE INSTALLATION CONTRACTOR AS DEEMED NECESSARY; HOWEVER, ANY EXISTING CONDUIT WILL BE USED ONLY IF CONDUITS MEET CURRENT STANDARDS AND CODES. JOHNSON CONTROLS MAKES NO STATEMENTS WRITTEN OR VERBAL AS TO THE CONDITION OF EXISTING CONDUITS.

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LEGENDS

FIRE ALARM SYMBOL LEGEND

QTY	SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	WIRE TYPE
		MODULES AND RELAYS				
1N	(M) R	DUAL RELAY IAM	SIMPLEX	4090-9008	4" SQ. 2-1/8" D W/ DBL. GANG COVER	Mi
		TRIM PLATE FOR SURFACE MOUNTING	SIMPLEX	4090-9802		R
	(M)	EXISTING RELAY IAM	SIMPLEX	4090-9002	4" SQ. 2-1/8" D W/ DBL. GANG COVER	Mi
		TRIM PLATE FOR SURFACE MOUNTING	SIMPLEX	4090-9802		R
	15	EXISTING ENCAPSULATED RELAY PAM-1, SPDT W/ LED, APOLLO AMERICA INC PAM-1	SIMPLEX	2088-9021	SINGLE GANG 2-1/8" D W/ COVER	
		MISCELLANEOUS DEVICES				
	SD	EXISTING FIRE/SMOKE DAMPER	BY OTHERS	BY OTHERS		

GENERAL NOTES:

1. THE INFORMATION OR SYMBOLS SHOWN IN BOLD LINETYPE ARE NEW OR RELOCATED.
2. THE INFORMATION OR SYMBOLS SHOWN IN LIGHT LINETYPE ARE EXISTING TO REMAIN.

FIRE ALARM WIRE LEGEND

CIRCUIT DESCRIPTION	CONSTRUCTION	GAUGE	CIRCUIT PROPERTIES	ACCEPTABLE CABLE TYPES: FPLR	FPLP	THHN	TFFN	OUTDOOR **	C.I.
Mi IDNET	UTP SOLID	18 AWG	0.60µF MAX TOTAL LINE CAPACITANCE	X	X				
R RELAY	2 COND. SOLID	14 AWG		X	X	X	X		

CONDUIT SIZE	MAX CONDUCTOR AREA	CONDUIT SIZE	MAX CONDUCTOR AREA
1/2"	0.122 SQ. INCH*	1-1/4"	0.598 SQ INCH*
3/4"	0.213 SQ INCH*	1-1/2"	0.814 SQ INCH*
1"	0.346 SQ INCH*	2"	1.342 SQ INCH*

* 40% CONDUIT FILL PER N.E.C.
UTP = UNSHIELDED TWISTED PAIR

ITEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT DESIGN OF THIS SYSTEM INSTALLATION. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR SELECTING AND INSTALLING CABLE MANUFACTURER AND MODEL THAT MEETS OR EXCEEDS THE ABOVE REQUIREMENTS. RECOMMENDED CABLE MANUFACTURERS AND MODEL NUMBERS ARE AVAILABLE UPON REQUEST.

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

Approved for Counter Permit
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: Erick B.
Date: *Feb 22, 2024*
2021 INTERNATIONAL CODES & 2023 NEC

BUILDING/FIRE DEPT. GENERAL NOTES

- FIRE ALARM SYSTEMS CANNOT BE COMBINED WITH BURGLAR ALARM SYSTEMS.
- THE INSTALLER IS REQUIRED TO COORDINATE WITH THE MECHANICAL CONTRACTOR TO DETERMINE INSTALLATION OF SMOKE DETECTORS OR SENSORS (i.e., NOT CLOSER THAN 3 FEET FROM ANY SUPPLY/RETURN DIFFUSER AND THAT ADDITIONAL DETECTION MAY BE REQUIRED DUE TO THE RELOCATION OR SPACING ADJUSTMENT OF DETECTORS, AS A RESULT).
- FIRE ALARM DEVICES MUST BE PLACED IN PROTECTED AREAS WITH AMBIENT TEMPERATURE RANGING FROM 32 DEGREES TO 120 DEGREES F.
- DO NOT PLACE SMOKE DETECTORS WITHIN 3 FEET OF AIR SUPPLY REGISTERS AND DIFFUSERS.
- FIRE ALARM SYSTEM SHALL BE MONITORED BY A CLASS 1 CENTRAL STATION.
- FIRE ALARM CONTROL PANEL WILL BE PLACED IN THE LOCATION SPECIFIED WITHIN THE PLAN SUBMITTAL UNLESS APPROVED BY THE LIFE SAFETY FIELD INSPECTOR.
- CITY OF AURORA BUILDING CODES DIVISION DOES NOT GRANT APPROVAL FOR ANY VIOLATIONS OF ADOPTED FIRE CODE. CODE VIOLATIONS UNCOVERED DURING FIELD INSPECTIONS MUST BE CORRECTED.
- PER THE IFC AND THE NEC THE INSTALLER MUST REQUEST A ROUGH WIRING INSPECTION IN THE FIRE ALARM SYSTEM PRIOR TO REQUESTING A FIRE ALARM FINAL INSPECTION.
- THE CONTRACTOR SHALL CONDUCT A "PRE–TEST" OF THE PROJECT AREA PRIOR TO SCHEDULING AN ACCEPTANCE TEST WITH THE BUILDING CODES DIVISION.
- REMOTE ALARM INDICATORS SHALL BE PROVIDED FOR ANY AUTOMATIC FIRE ALARM DETECTOR LOCATED IN A CONCEALED LOCATION WITH A NORMALLY LOCKED DOOR.
- AT THE TIME OF FINAL FIRE ALARM INSPECTION, THE SYSTEM MUST BE SUPERVISED/MONITORED BY A CLASS 1 CENTRAL MONITORING AGENCY.
- THE INSTALLING CONTRACTOR (OR DESIGNEE) MUST PROVIDE ALL NECESSARY TESTING EQUIPMENT AND PERFORM ALL TESTING REQUIRED BY THE LIFE SAFETY FIELD INSPECTOR.
- IN–DUCT SMOKE DETECTORS INSTALLED IN CONCEALED LOCATIONS OR, WHERE THE DETECTOR'S ALARM INDICATOR IS NOT READILY VISIBLE TO RESPONDING PERSONNEL SHALL BE PROVIDED WITH A REMOTE INDICATOR(S), REMOTE TEST STATION AND PLACARDING.
- ALL NEW OR EXISTING FIRE ALARM SYSTEMS MUST BE CONNECTED ANY EXTERIOR HORN AND STROBE APPLIANCE. IF THE BUILDING IS FIRE SPRINKLED, A GENERAL ALARM ACTIVATION AT THE FIRE ALARM CONTROL PANEL WILL ACTIVATE THE EXTERIOR HORN AND STROBE. SILENCING THE PANEL MUST ALLOW THE VISUAL DEVICE TO CONTINUE UNTIL THE PANEL IS RESET.
- FIRE ALARM SYSTEMS SHALL INCLUDE BOTH AUDIBLE AND VISUAL ALARMS. VISUAL ALARMS WILL BE REQUIRED IN ALL ACCESSIBLE PUBLIC AND COMMON–USE AREAS PER THE IFC AND THE ANSI A117.1 STANDARD.
- PROVIDE A PRIMARY AND SECONDARY POWER SUPPLY FOR THE FIRE ALARM SYSTEM PER THE IFC, SECTION 907 AND THE NFPA 72.
- FIELD INSPECTION CONSULTATION IS AVAILABLE UPON REQUEST. CALL 303–739–7420 TO REQUEST CONSULTATION.
- THE FIRE ALARM CONTRACTOR MUST COMPLETE THE NFPA72 "RECORD OF COMPLETION" PRIOR TO SCHEDULING THE AHJ ACCEPTANCE TEST.
- AUDIBLE ALARM SIGNALING DEVICES SHALL EXCEED THE PREVAILING SOUND LEVEL IN A ROOM OR SPACE BY 15 DBA. SOUND LEVELS FOR ALARM SIGNALS SHALL BE 120 DBA MAXIMUM. IFC SECTION 907.

APPLICABLE CODES & STANDARDS

JURISDICTIONS WITHIN THE STATE MAY HAVE AMENDMENTS TO THE STATE ADOPTED CODE. CHECK WITH THE LOCAL JURISDICTION AUTHORITY FOR MORE DETAILS.

International Building Code (IBC), 2021 Edition

International Fire Code (IFC), 2021 Edition

National Electric Code (NFPA 70), 2023 Edition

National Fire Alarm and Signaling Code (NFPA 72), 2022 Edition

Life Safety Code (NFPA 101), 2012 Edition

ICC A117.1 Accessible and Usable Buildings and Facilities, 2017 Edition

ADA Standards for Accessible Design, 2023 Edition

Colorado Department of Health and Environment - Hospital Licensing Rules, 2021 Edition

OCCUPANCY TYPE(S):
I-2 INSTITUTIONAL GROUP

SPRINKLER PROTECTION:
BUILDING IS FULLY SPRINKLERED

AREA:
TOTAL: APPROX. 450,396 SQ. FT.
SCOPE: APPROX. 40 SQ. FT

STORIES:
TOTAL: 6 STORIES + BASEMENT
SCOPE: PARTIAL 1ST FLOOR

CONSTRUCTION:
TYPE 1A

SCOPE OF WORK

MODIFY EXISTING FIRE ALARM SYSTEM: PROVIDE NEW DEVICES AS SHOWN ON DRAWINGS.

AREA TO RECEIVE WORK INCLUDES APPROXIMATELY 40 SQUARE FEET ENCOMPASSING EXISTING EQUIPMENT STORAGE AREAS ON THE FIRST LEVEL OF THE MEDICAL CENTER OF AURORA - SOUTH AT 1501 SOUTH POTOMAC STREET, AURORA, COLORADO 80012.

NEW MONITORING RELAY FOR MAGNETIC LOCKS TO BE ADDED AND TIED TO CRASH BARS THAT WERE ADDED TO DOUBLE-DOORS IN CORRIDOR 1008. NEW DEVICE TO TIE INTO EXISTING NODE-1 TRANSPONDER-4, M:11 CIRCUIT.

DOOR MAG RELEASE ADDED TO SEQUENCE OF OPERATIONS (SOO); ALL OTHER NEW DEVICES TO FOLLOW EXISTING SOO.

ALL NEW WIRING TO 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.

AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY THE OWNER.

DESIGN STATEMENT

THIS PROJECT'S DESIGN IS BASED ON THE ENGINEERED PLANS AND SPECIFICATIONS PREPARED BY:
DEVENNY GROUP LTD., ARCHITECTS

ARCHITECTURAL PLANS DATED:	FEBRUARY 02, 2022
MECHANICAL PLANS DATED:	FEBRUARY 01, 2022
ELECTRICAL PLANS DATED:	FEBRUARY 02, 2022
SPECIFICATIONS DATED:	FEBRUARY 01, 2022
ADDENDUM DATED:	FEBRUARY 01, 2022

ABBREVIATIONS LEGEND

AC = ABOVE CEILING
AFF = ABOVE FINISHED FLOOR
AHJ = AUTHORITY HAVING JURISDICTION
ALM = ALARM
ANN = ANNUNCIATOR
BMS = BUILDING MANAGEMENT SYSTEM
C = CEILING MOUNTED
CD = CANDELA RATING
DET = DETECTOR
DGP = DATA GATHERING PANEL
E = EXISTING TO REMAIN
EOL = END OF LINE
EPO = EMERGENCY POWER OFF
ER = ELEVATOR RECALL
FAA = FIRE ALARM ANNUNCIATOR
FACP = FIRE ALARM CONTROL PANEL
FATC = FIRE ALARM TERMINAL CABINET
FBO = FURNISHED BY OTHERS
FCC = FIRE COMMAND CENTER
FSD = FIRE SMOKE DAMPER
FTR = FIRE ALARM TRANSPONDER
H = HIGH HUMIDITY
HT = HEIGHT
HVAC = HEATING VENTILATION & AIR CONDITIONING
IMS = INFORMATION MANAGEMENT SYSTEM
MAX = MAXIMUM
MIN = MINIMUM
N = NEW DEVICE
NAC = NOTIFICATION APPLIANCE CIRCUIT
NDU = NETWORK DISPLAY UNIT
NEC = NATIONAL ELECTRIC CODE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION
NIC = NOT IN CONTRACT
NPU = NETWORK PROCESSING UNIT
NTS = NOT TO SCALE
PAP = PRE-ACTION PANEL
RC = EXISTING TO REMOVE AND COVER
RD = EXISTING DEVICE TO BE RELOCATED
RL = RELOCATED DEVICE
RR = REMOVE EXISTING & REPLACE WITH NEW
SCC = STATUS COMMAND CENTER
SLC = SIGNALING LINE CIRCUIT
SMK = SMOKE
SUPV = SUPERVISORY
TAC = TRUEALERT ADDRESSABLE CONTROLLER
TOS = TOP OF SHAFT
TRBL = TROUBLE
TS = TAMPER SWITCH
TYP = TYPICAL
UON = UNLESS OTHERWISE NOTED
VCC = VOICE COMMAND CENTER
VT = VALVE TAMPER
W = WATTAGE
W/ = WITH
W/O = WITHOUT
WF = WATERFLOW
WG = WIRE GUARD
WP = WEATHERPROOF
XP = EXPLOSION PROOF

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PROJECT DIRECTORY

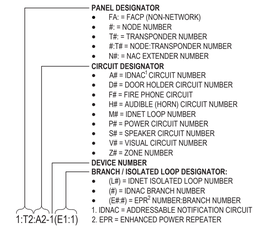
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1501 SOUTH POTOMAC STREET
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PHONE: 303-695-2600

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AURORA, CO 80012
PHONE: 303-355-0500
FAX: 303-355-0615
SERVICE: 303-355-0500

Installer
E LIGHT ELECTRIC SERVICES, INC.
361 INVERNES DRIVE, SUITE B
ENGLEWOOD, COLORADO 80112
PHONE: 303-754-0001

DEVICE TAG LEGEND



PANEL DESIGNATOR
- FA: = FACP (NON-NETWORK)
- #: = NODE NUMBER
- T#: = TRANSPONDER NUMBER
- #:T# = NODE:TRANSPONDER NUMBER
- N#: = NAC EXTENDER NUMBER

CIRCUIT DESIGNATOR
- A# = IDNAC CIRCUIT NUMBER
- D# = DOOR HOLDER CIRCUIT NUMBER
- F# = FIRE PHONE CIRCUIT
- H# = AUDIBLE (HORN) CIRCUIT NUMBER
- M# = IDNET LOOP NUMBER
- P# = POWER CIRCUIT NUMBER
- S# = SPEAKER CIRCUIT NUMBER
- V# = VISUAL CIRCUIT NUMBER
- Z# = ZONE NUMBER

DEVICE NUMBER

BRANCH / ISOLATED LOOP DESIGNATOR:
- (L#) = IDNET ISOLATED LOOP NUMBER
- (#) = IDNAC BRANCH NUMBER
- (E#:#) = EPR[2] NUMBER:BRANCH NUMBER

1. IDNAC = ADDRESSABLE NOTIFICATION CIRCUIT
2. EPR = ENHANCED POWER REPEATER

SYSTEM SEQUENCE OF OPERATIONS

M.C.O.A. SOUTH TOWER — SEQUENCE OF OPERATIONS	SYSTEM OUTPUTS: FACP Annunciation: ACTUATE COMMON ALARM SIGNAL INDICATOR (A)	ACTUATE AUDIBLE ALARM SIGNAL (B)	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR (C)	ACTUATE AUDIBLE SUPERVISORY SIGNAL (D)	ACTUATE COMMON TROUBLE SIGNAL INDICATOR (E)	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL (F)	Notification: ACTUATE EVACUATION SIGNALS (AUDIBLE/VISUAL) (G)	ACTUATE SPRINKLER BELL (H)	DISPLAY CHANGE OF STATUS AT REMOTE ANNUNCIATOR (I)	TRANSMIT FIRE ALARM SIGNAL TO OFF-SITE REPORTING (J)	TRANSMIT SUPERVISORY SIGNAL TO OFF-SITE REPORTING (K)	TRANSMIT TROUBLE SIGNAL TO OFF-SITE REPORTING (L)	NOTIFY HOSPITAL PBX (M)	Required Controls: FAN SHUT DOWN (N)	DAMPER SHUT DOWN (O)	DOOR HOLD MAG LOCK RELEASE (P)	RELEASE CORRIDOR FIRE DOORS (Q)	RELEASE ASSOCIATED ELEVATOR LIFT DOOR (R)	ELEVATOR SHUT DOWN (1) (S)	ELEVATOR RECALL - MAIN FLOOR (T)	ELEVATOR RECALL - ALTERNATE FLOOR (U)	ELEVATOR PHASE II (V)	Supplementary: EMERGENCY MUSIC SYSTEM (W)	SILENCE AUDIBLE SIGNAL ONLY, VISUALS TO REMAIN (X)	ACTUATE OUTSIDE HORN/STROBE (ON GENERAL ALARM) (Y)	RESET PANEL TO NORMAL CONDITION (Z)	
SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
1 SMOKE DETECTOR	X	X					X		X	X				X	X	X	X						X	X			1
2 SMOKE DETECTOR AT 2ND, 4TH & 5TH FLR CLERK DESK	X	X					X		X	X				X		X	X	X					X		X		2
3 SMOKE DETECTOR AT SMOKE PARTITION	X	X					X		X	X				X		X	X						X	X			3
4 MANUAL PULL STATION	X	X					X		X	X						X	X						X	X			4
5 HEAT DETECTOR	X	X					X		X	X						X	X						X	X			5
6 DUCT DETECTOR			X	X					X		X			X	X												6
7 DUCT DETECTOR AT F/S DAMPER			X	X					X		X					X											7
8 MAIN FLR. ELEV. LOBBY SMOKE DETECTOR	X	X					X		X	X				X	X	X	X	X	X	X	X	X	X				8
9 ELEV. LOBBY SMOKE DETECTORS (EXCL. MAIN FLR.)	X	X					X		X	X				X		X		X	X	X	X	X	X				9
10 ELEV. MECH. ROOM SMOKE DETECTOR	X	X					X		X	X				X		X		X		X	X	X	X				10
11 ELEV. SHAFT HEAT DETECTOR	X	X					X		X	X						X			X								11
12 ELEV. MECH. ROOM HEAT DETECTOR	X	X					X		X	X						X			X								12
13 WATERFLOW SWITCH	X	X					X		X	X						X							X	X			13
14 TAMPER SWITCH			X	X			X				X																14
15 POST INDICATOR VALVE SWITCH			X	X			X				X																15
16 FACP AC POWER FAILURE					X	X						X															16
17 FACP LOW BATTERY					X	X						X															17
18 OPEN CIRCUIT					X	X						X															18
19 GROUND FAULT					X	X						X															19
20 NOTIFICATION APPLIANCE CIRCUIT SHORT					X	X						X															20
21 ALARM SIGNAL SILENCE																							X				21
22 SYSTEM RESET																										X	22
23 CATH LAB BUILDING ALARM	X	X						X					X														23
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	

NOTE: Audible Evacuation Signal shall be Temporal Pattern per NFPA 72.
* Disconnect power after a time delay equal to the time it takes for the car to travel from the highest to the lowest level plus 10 seconds.
Door Mag release added to Sequence of Operations (SOO); all other new devices to follow existing SOO.

FILE PATH: C:\Users\jdixon\OneDrive - Johnson Controls\Medical Center of Aurora\1501 S Potomac - Aurora South\South Tower - Node 1\03-OR Expansion - 2022 - 6501898\Change Order Fire\FA-001.rfa
LAST SAVED BY: JDIXON24
LAST PRINTED: 2/15/2024 1:37:41 PM
30" x 42" Arch E1 Size

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ISSUE LOG

MARK	DATE	CAD	CHK	DESCRIPTION
				Revisions shown with Δ symbol

FOR PERMIT

DRAWN BY:	CCD
CHECKED BY:	CBR
ISSUE DATE:	2/15/24
JOB #:	
PROJECT #:	419-6501898/04
	JOHNSON CONTROLS © 2024
SYSTEM:	FIRE ALARM SYSTEM
SHEET:	COVER SHEET

FA-001

THE MEDICAL CENTER OF AURORA - SOUTH
OR EXPANSION - DOOR RELAY ADD
THE MEDICAL CENTER OF AURORA
1501 SOUTH POTOMAC STREET
AURORA, COLORADO 80012

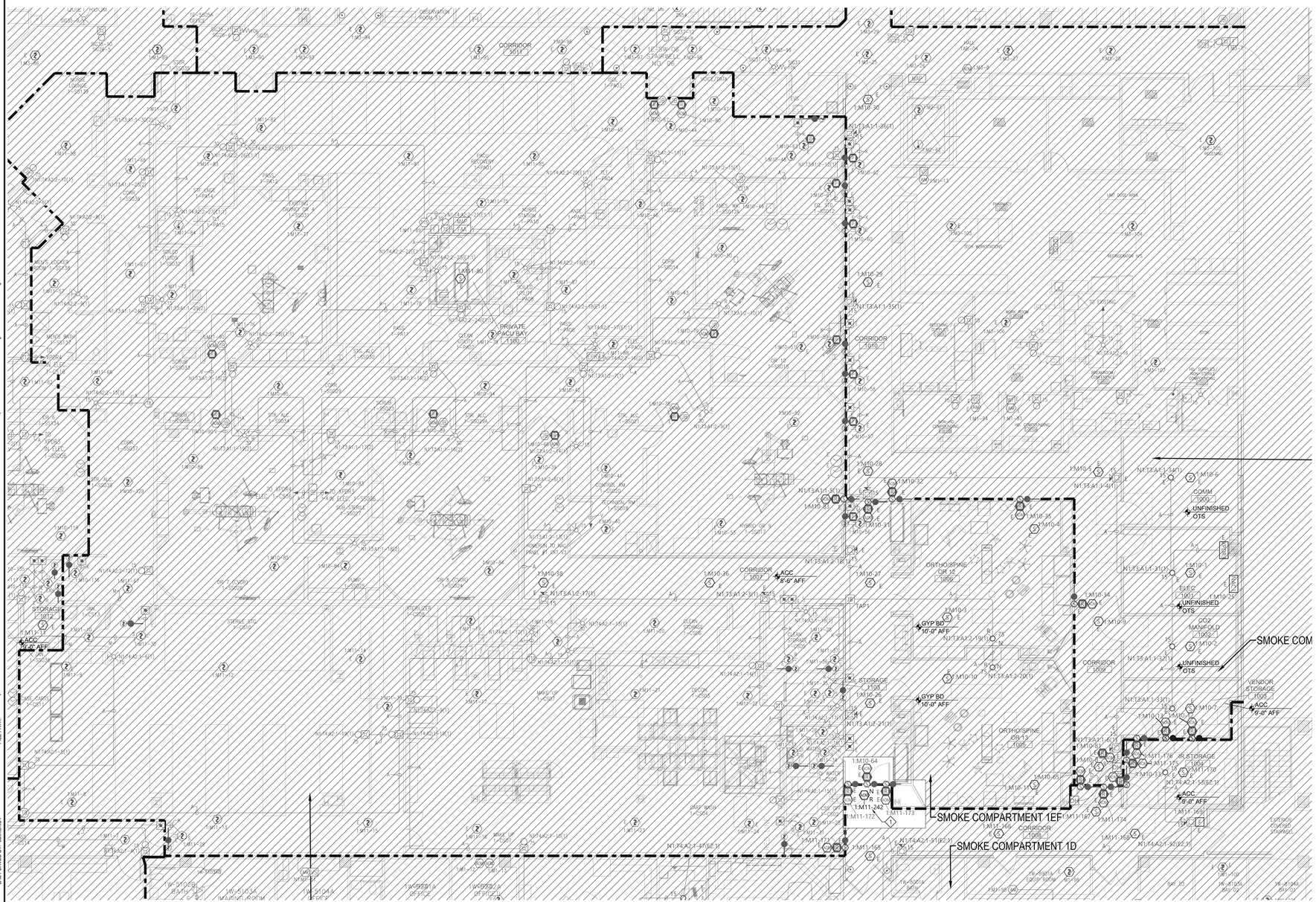
RSN:1784043
CT-24-2416968

GENERAL NOTES:

1. ALL CEILINGS ARE ASSUMED TO BE 8'-10" A.F.F., ACOUSTICAL CEILING (ACC) GRID SYSTEM - SMOOTH CONSTRUCTION UNLESS NOTED OTHERWISE.
2. THE DEVICE ADDRESSES INDICATED ON THESE DRAWINGS ARE AN ALPHANUMERIC DESCRIPTION OF WHICH CIRCUIT THE DEVICE IS LOCATED ON. DEVICES MAY BE ASSIGNED A DIFFERENT NUMBER WITHIN THE PANEL PROGRAM. CONSULT WITH A JOHNSON CONTROLS TECHNICIAN BEFORE APPLYING A PHYSICAL LABEL TO ANY DEVICES.
3. THE INFORMATION OR SYMBOLS SHOWN IN BOLD LINETYPE ARE NEW OR RELOCATED.
4. THE INFORMATION OR SYMBOLS SHOWN IN LIGHT LINETYPE ARE EXISTING TO REMAIN.
5. ALL ITEMS THAT ARE HATCHED ARE NOT IN THIS SCOPE OF WORK.

KEYNOTES:

1. FIELD VERIFY LOCATION FOR RELAY.



FIRST FLOOR PARTIAL DEVICE PLACEMENT PLAN

SCALE:1/8" = 1'-0"

SCALE:1/8" = 1'-0" 0 4' 8' 16' IN FEET

FIRE ALARM SYMBOL LEGEND

QTY	SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	WIRE TYPE
		MODULES AND RELAYS				
1N	IAM R	DUAL RELAY IAM	SIMPLEX	4090-9008	4" SQ. 2-1/8" D W/ DBL. GANG COVER	Mi
		TRIM PLATE FOR SURFACE MOUNTING	SIMPLEX	4090-9802		R
	IAM	EXISTING RELAY IAM	SIMPLEX	4090-9002	4" SQ. 2-1/8" D W/ DBL. GANG COVER	Mi
		TRIM PLATE FOR SURFACE MOUNTING	SIMPLEX	4090-9802		R
		EXISTING ENCAPSULATED RELAY PAM-1, SPDT W/ LED, APOLLO AMERICA INC PAM-1	SIMPLEX	2088-9021	SINGLE GANG 2-1/8" D W/ COVER	R
		MISCELLANEOUS DEVICES				
	S	EXISTING FIRE/SMOKE DAMPER	BY OTHERS	BY OTHERS		

FIRE ALARM WIRE LEGEND

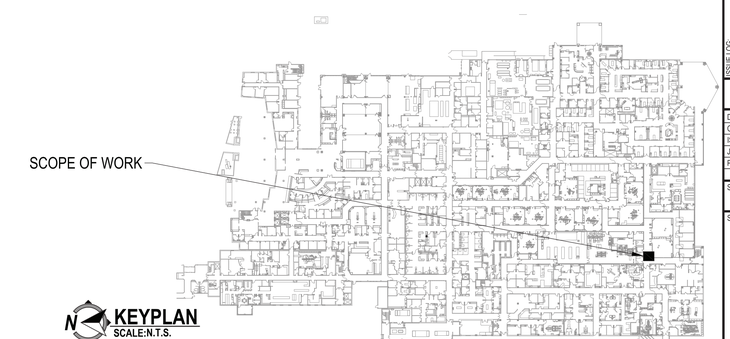
CIRCUIT DESCRIPTION		CONSTRUCTION	GAUGE	CIRCUIT PROPERTIES	ACCEPTABLE CABLE TYPES: FPLR	FPLP	THHN	TFFN	OUTDOOR **	C.I.
Mi	IDNET	UTP SOLID	18 AWG	0.60µF MAX TOTAL LINE CAPACITANCE	X	X				
R	RELAY	2 COND. SOLID	14 AWG		X	X	X	X		

CONDUIT SIZE	MAX CONDUCTOR AREA	CONDUIT SIZE	MAX CONDUCTOR AREA
1/2"	0.122 SQ. INCH*	1-1/4"	0.598 SQ INCH*
3/4"	0.213 SQ INCH*	1-1/2"	0.814 SQ INCH*
1"	0.346 SQ INCH*	2"	1.342 SQ INCH*

* 40% CONDUIT FILL PER N.E.C.

UTP = UNSHIELDED TWISTED PAIR

ITEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT DESIGN OF THIS SYSTEM INSTALLATION. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR SELECTING AND INSTALLING CABLE MANUFACTURER AND MODEL THAT MEETS OR EXCEEDS THE ABOVE REQUIREMENTS. RECOMMENDED CABLE MANUFACTURERS AND MODEL NUMBERS ARE AVAILABLE UPON REQUEST.



KEYPLAN
SCALE:N.T.S.

Johnson Controls
DISTRICT 1-418
10065 E. EXPOSITION AVE
AURORA, CO 80017
SERVICE: 303-355-6000
PHONE: 303-326-9500
FAX: 303-355-6015

NICET CERTIFICATION INFORMATION

CALE RAUCH
NICET Fire Alarm, III
Certification #151588
Valid Through: 12/01/25

02/15/2024

THE MEDICAL CENTER OF AURORA - SOUTH
OR EXPANSION - DOOR RELAY ADD

THE MEDICAL CENTER OF AURORA
1501 SOUTH POTOMAC STREET
AURORA, COLORADO 80012

ISSUE LOG				
MARK	DATE	CAD	CHK	DESCRIPTION

Revisions shown with Δ symbol

FOR PERMIT

DRAWN BY:	CCD
CHECKED BY:	CBR
ISSUE DATE:	2/15/24
JOB #:	
PROJECT #:	419:650189804

JOHNSON CONTROLS © 2024

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
FIRST FLOOR PARTIAL DEVICE PLACEMENT PLAN

FA-101

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FILE PATH: C:\Users\jkonrad\OneDrive - Johnson Controls\Medical Center of Aurora\1501 S Potomac - Aurora South\South Tower - Node 153\JCI Expansion - 2022 - 650189804\Change Order Fire\FA-101.dwg
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LAST PRINTED: 2/15/2024 2:39:08 PM
30" x 42" - Arch E1 Size

RSN:1784043
CT-24-2416968



FIRE ALARM SYMBOL LEGEND

QTY	SYMBOL	DESCRIPTION	BRAND	MODEL	BACKBOX	WIRE TYPE
		MODULES AND RELAYS				
1N		DUAL RELAY IAM	SIMPLEX	4090-9008	4" SQ. 2-1/8" D W/ DBL. GANG COVER	M, R
		TRIM PLATE FOR SURFACE MOUNTING	SIMPLEX	4090-9802		
		EXISTING RELAY IAM	SIMPLEX	4090-9002	4" SQ. 2-1/8" D W/ DBL. GANG COVER	M, R
		TRIM PLATE FOR SURFACE MOUNTING	SIMPLEX	4090-9802		
		EXISTING ENCAPSULATED RELAY PAM-1, SPDT W/ LED, APOLLO AMERICA INC PAM-1	SIMPLEX	2088-9021	SINGLE GANG 2-1/8" D W/ COVER	R
		MISCELLANEOUS DEVICES				
		EXISTING FIRE/SMOKE DAMPER	BY OTHERS	BY OTHERS		

FIRE ALARM WIRE LEGEND

	CIRCUIT DESCRIPTION	CONSTRUCTION	GAUGE	CIRCUIT PROPERTIES	ACCEPTABLE CABLE TYPES: FPLR	FPLP	THHN	OUTDOOR CAT.
M	IDNET	UTP SOLID	18 AWG	0.60µF MAX TOTAL LINE CAPACITANCE	X	X		
R	RELAY	2 COND. SOLID	14 AWG		X	X	X	X

CONDUIT SIZE	MAX CONDUCTOR AREA	CONDUIT SIZE	MAX CONDUCTOR AREA
1/2"	0.122 SQ. INCH*	1-1/4"	0.598 SQ INCH*
3/4"	0.213 SQ INCH*	1-1/2"	0.814 SQ INCH*
1"	0.346 SQ INCH*	2"	1.342 SQ INCH*

* 40% CONDUIT FILL PER N.E.C.

UTP = UNSHIELDED TWISTED PAIR

ITEMS SUCH AS CAPACITANCE BETWEEN CONDUCTORS AND WIRE GAUGE CAN BE CRUCIAL TO THE CIRCUIT DESIGN OF THIS SYSTEM INSTALLATION. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR SELECTING AND INSTALLING CABLE MANUFACTURER AND MODEL THAT MEETS OR EXCEEDS THE ABOVE REQUIREMENTS. RECOMMENDED CABLE MANUFACTURERS AND MODEL NUMBERS ARE AVAILABLE UPON REQUEST.

RISER NOTES:

1. RISER IS A DIAGRAMMATICAL REPRESENTATION OF THE SYSTEM ARCHITECTURE IN BUILDING CROSS SECTION. IT IS NOT INTENDED TO REPRESENT ACTUAL WIRE RUNS, PANEL CONFIGURATIONS OR PENETRATIONS. REFER TO FLOOR PLANS AND PANEL DETAILS FOR CIRCUIT ROUTING AND CONFIGURATION INFORMATION.
2. ALL WIRING SHALL COMPLY WITH APPLICABLE ELECTRICAL CODES. REFER TO 'APPLICABLE CODES & STANDARDS' ON SHEET FA-001 FOR SPECIFIC CODE REFERENCES.
3. THE INFORMATION OR SYMBOLS SHOWN IN BOLD LINETYPE ARE NEW OR RELOCATED.
4. THE INFORMATION OR SYMBOLS SHOWN IN LIGHT LINETYPE ARE EXISTING.
5. 5 ALL ITEMS THAT ARE HATCHED ARE NOT IN THIS SCOPE OF WORK.

FIRST FLOOR PARTIAL RISER DIAGRAM

SCALE:N.T.S.

Johnson Controls
DISTRICT - 1415
10500 E. BOSTON AVE
AURORA, CO 80017
SERVICE: 303-355-5000
PHONE: 303-355-9500
FAX: 303-355-9615

NICET CERTIFICATION INFORMATION

CALE RAUCH
NICET Fire Alarm, III
Certification #151588
Valid Through: 12/01/25

02/15/2024

THE MEDICAL CENTER OF AURORA - SOUTH OR EXPANSION - DOOR RELAY ADD

THE MEDICAL CENTER OF AURORA
1501 SOUTH POTOMAC STREET
AURORA, COLORADO 80012

Revisions shown with Δ symbol

ISSUE LOG				
MARK	DATE	CAD	CHK	DESCRIPTION

FOR PERMIT

DRAWN BY:	CCD
CHECKED BY:	CBR
ISSUE DATE:	2/15/24
JOB #:	
PROJECT #:	419:650189804

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SYSTEM:
FIRE ALARM SYSTEM

SHEET:
FIRST FLOOR PARTIAL RISER DIAGRAM

FA-201

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FILE PATH: C:\Users\jdixon\OneDrive - Johnson Controls\Medical Center of Aurora\1501 S Potomac - Aurora South\South Tower - Mods 1\53-OR Expansion - 2022 - 650189804\Change Order Fire\FA-201.rfwg
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30" x 42" - Arch E1 Size

RSN:1784043
CT-24-2416968

MEDICAL CENTER OF AURORA SOUTH TOWER TRANSPONDER 4 4100es XPDR

Module	Qty	Description		Standby Current	Total Standby	Alarm Current	Total Alarm
Panel Equipment							
4100-9600	*1*	*BASIC TRANSPONDER*	*	*0.0870*	*0.0870*	*0.0870*	*0.0870*
4100-0634	*1*	*POWER DISTRIBUTION MODULE 120V*		*0.0000*	*0.0000*	*0.0000*	*0.0000*
4100-0636	*1*	*BOX TO BOX HARNESS KIT*		*0.0000*	*0.0000*	*0.0000*	*0.0000*
4100-2300	*1*	*EXPANSION BAY (PHASE 10 ONLY)*		*0.0000*	*0.0000*	*0.0000*	*0.0000*
4100-5311	*1*	*ENHANCED POWER SUPPLY, 3 CHANNELS, IDNet, 120V*		*0.2250*	*0.2250*	*0.4900*	*0.4900*
4009-9601	*2*	*IDNAC REPEATER 120V PLATINUM UL/ULC*		*0.0700*	*0.1400*	*0.0960*	*0.1920*
		Panel Totals			**0.4520**		**0.7690**
IDNet Addressable Devices (SLC)							
4090-9001	*3*	*IDNET SUPERVISED IAM*	*	*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	*40*	*IDNET RELAY IAM*	*				
4090-9008	**1**	**ADDRESSABLE DUAL CONTACT RELAY IAM**	*				
4098-9714	*100*	*TRUEALARM PHOTO SMOKE SENSOR*					
4098-9733	*9*	*TRUEALARM HEAT SENSOR*	*				
4098-9755	*2*	*TRUEALARM DUCT SMOKE SENSOR W/O RELAY OUTPUT*	*				
4098-9756	*10*	*TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT*	*				
4098-9792	*109*	*TRUEALARM SENSOR BASE*	*				
4099-9004	*4*	*ADDRESSABLE SINGLE ACTION MANUAL STATION*	*				
4099-9006	*1*	*ADDRESSABLE DOUBLE ACTION MANUAL STATION, PUSH*	*				
Miscellaneous Peripheral Devices That Require (Additional) System Power							
4098-9843	*10*	*ENCAPSULATED RELAY PAM-SD*		*0.0000*	*0.0000*	*0.0150*	*0.1500*
4098-9756	*10*	*TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT*		*0.0030*	*0.0300*	*0.0150*	*0.1500*
4603-9101	*4*	*SERIAL LCD ANNUNCIATOR*		*0.0650*	*0.2600*	*0.1400*	*0.5600*
2088-9021	*11*	*ENCAPSULATED RELAY PAM-1*		*0.0000*	*0.0000*	*0.0150*	*0.1650*
4098-9605	*2*	*PHOTO SMOKE DETECTOR SSD*		*0.0001*	*0.0002*	*0.0000*	*0.0000*
4098-9788	*2*	*2 WIRE DETECTOR BASE*		*0.0000*	*0.0000*	*0.0000*	*0.0000*
2098-9806	*10*	*REMOTE TEST STATION W/ LED AND KEY SWITCH*		*0.0000*	*0.0000*	*0.0000*	*0.0000*
IDNac Notification Appliances			**Setting**				
4009-9601	*2*	*IDNAC REPEATER 120V PLATINUM UL/ULC*	*	*0.0032*	*0.0064*	*0.0032*	*0.0064*
4906-9202	*6*	*ADDRESSABLE CEILING MNT MC V/O, RED*	*15*	*0.0008*	*0.0048*	*0.0600*	*0.3600*
4906-9202	*1*	*ADDRESSABLE CEILING MNT MC V/O, RED*	*75*	*0.0008*	*0.0008*	*0.1800*	*0.1800*
49MT-WRF	*2*	*MULTI-TONE AUDIBLE ONLY, RED, WALL MOUNT*	*520 H*	*0.0016*	*0.0032*	*0.0990*	*0.1980*
49MTV-WRF	*18*	*MULTI-TONE A/V, RED, WALL MOUNT*	*15*	*0.0016*	*0.0288*	*0.1450*	*2.6100*
49MTV-WRF	*11*	*MULTI-TONE A/V, RED, WALL MOUNT*	*30*	*0.0016*	*0.0176*	*0.1630*	*1.7930*
49MTV-WRF	*6*	*MULTI-TONE A/V, RED, WALL MOUNT*	*75*	*0.0016*	*0.0096*	*0.1980*	*1.1880*
49VO-APPLC	*11*	*STROBE, APPLIANCE ONLY, CEILING MOUNT*	*15*	*0.0008*	*0.0088*	*0.0550*	*0.6050*
49VO-APPLC	*2*	*STROBE, APPLIANCE ONLY, CEILING MOUNT*	*30*	*0.0008*	*0.0016*	*0.0830*	*0.1660*
49VO-APPLC	*2*	*STROBE, APPLIANCE ONLY, CEILING MOUNT*	*75*	*0.0008*	*0.0016*	*0.1530*	*0.3060*
49VO-APPLW	*1*	*VO APPLIANCE ONLY WALL MT.*	*15*	*0.0008*	*0.0008*	*0.0470*	*0.0470*
49VO-APPLW	*4*	*VO APPLIANCE ONLY WALL MT.*	*30*	*0.0008*	*0.0032*	*0.0570*	*0.2280*
49VO-APPLW	*1*	*VO APPLIANCE ONLY WALL MT.*	*75*	*0.0008*	*0.0008*	*0.1000*	*0.1000*
49VO-WRF	*30*	*VO, WALL MT, RED, FIRE LABEL*	*15*	*0.0008*	*0.0240*	*0.0470*	*1.4100*
49VO-WRF	*4*	*VO, WALL MT, RED, FIRE LABEL*	*30*	*0.0008*	*0.0032*	*0.0570*	*0.2280*
49VO-WRF	*1*	*VO, WALL MT, RED, FIRE LABEL*	*75*	*0.0008*	*0.0008*	*0.1000*	*0.1000*
		Total IDNac Device Current:			**0.1160**		**9.5254**
		IDNac Current Boost for 29vdc Regulated Output **					**5.4306**
		Peripheral Totals			**0.2902**		**15.9810**
		RUI Totals	**4**		**0.0140**		**0.0140**
		Address Totals	**170 Addresses**		**0.1360**		**0.1700**
*** Device Address current draw included below (See Additional Current Draws):**			**System Totals*:**	**Standby**	**1.0082**	**Alarm**	**16.9340**

Battery Set #1 (Cabinet/Charger #1)			Standby Current	Standby Total	Alarm Current	Alarm Total
Select ALL Power Supplies on this battery set:						
EPS-1				0.6734		7.1974
			Sub Total	**0.6734**		**7.1974**
Additional Current Draws:						
IDNac Current Boost for 29vdc Regulated Output **						3.1900
RUI Connected Peripheral Devices	4	x 0.0035		= 0.0140	x 0.0035	= 0.0140
MAPNET/IDNet Device Address Communication Current	170	x 0.000800		= 0.1360	x 0.001000	= 0.1700
			Sub Total	**0.8234**		**10.5714**
Spare addressable point capacity	**20%**	34 x 0.0008		= 0.0272	x 0.001	= 0.0340
			Total	**0.8506**		**10.6054**
Standby Time =	4 Hrs	x 0.8506		= 3.4024	Standby Ah	
Alarm Time =	5 Min	0.08333 x 10.6054		= 0.8838	Alarm Ah	
				4.2862		
Additional Spare Battery Capacity =	**20%**		+	0.8572		
				5.1434		
Battery Discharge Factor =	**25%**		+	1.2859		
Minimum Battery Required	**2081-9274 10AH (2x)**			**6.4293**		
Battery Supplied	**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.**

**** IDNac Current Boost formula: ((29.5 * IDNac Alarm Current) / .92) / 20.4 = Adjusted Current**
DC-DC Converter Output = 29.5vdc. Terminal Output is 29vdc due to 0.5vdc internal loss.
Converter Worst Case efficiency is 92%, 20.4vdc represents battery output in 85% depleted state

Repeater Power Supply Battery Set:			Standby	Standby Standby Total	Alarm	Alarm Alarm Total
EPR-1				0.0836		**1.2240**
Additional Current Draw:						
IDNac Current Boost for 29vdc Regulated Output **				0.0000		0.6431
			Total	**0.0836**		**1.8671**
Standby Time =	4 Hrs	x 0.8506		= 0.3344	Standby Ah	
Alarm Time =	5 Min	0.08333 x 1.8671		= 0.1556	Alarm Ah	
				0.4900		
Additional Spare Battery Capacity =	**20%**		+	0.0980		
				0.5880		
Battery Discharge Factor =	**25%**		+	0.1470		
Minimum Battery Required	**2081-9272 6.2AH (2x)**			**0.7350**		
Battery Supplied	**2081-9272 6.2AH (2x)**					

Repeater Power Supply Battery Set:			Standby	Standby Total	Alarm	Alarm Total
EPR-2				0.1012		**2.8980**
Additional Current Draw:						
IDNac Current Boost for 29vdc Regulated Output **				0.0000		1.5975
			Total	**0.1012**		**4.4955**
Standby Time =	4 Hrs	x 0.8506		= 0.4048	Standby Ah	
Alarm Time =	5 Min	0.08333 x 4.4955		= 0.3746	Alarm Ah	
				0.7794		
Additional Spare Capacity =	**20%**		+	0.1559		
				0.9353		
Additional Spare Battery Capacity =	**25%**		+	0.2338		
Minimum Battery Required	**2081-9272 6.2AH (2x)**			**1.1691**		
Battery Supplied	**2081-9272 6.2AH (2x)**					

IDNET CHANNEL N1:T4:M11		ADDRESSES IN USE: 170 (68%) | SPARE ADDRESSES: 80 (32%)	SWITCH SETTINGS								
Address	**Device Type**	**Point Type**	**Location Description**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	
N1:T4:M11-1	*PHOTO*	*SMOKE*	*1:M11-1 FLR 1W ELEC 1-CS16*	X								ON
N1:T4:M11-2	*PHOTO*	*SMOKE*	*1:M11-2 FLR 1W OR-11 1-SS10 SW*		X							ON
N1:T4:M11-3	*PHOTO*	*SMOKE*	*1:M11-3 FLR 1W OR-11 1-SS10 NE*	X	X							ON
N1:T4:M11-4	*RIAM*	*DHOLDER*	*1:M11-4 FLR 1W OR-11 1-SS100*			X						ON
N1:T4:M11-5	*HEAT*	*HEAT*	*1:M11-5 FLR 1W TOILET CS15*	X		X						ON
N1:T4:M11-6	*PHOTO*	*VSMOKE*	*1:M11-6 FLR 1W CORR 1-CS14*		X	X						ON
N1:T4:M11-7	*PHOTO*	*VSMOKE*	*1:M11-7 FLR 1W CORR 1-CS14*	X	X	X						ON
N1:T4:M11-8	*PHOTO*	*SMOKE*	*1:M11-8 FLR 1W STER STG 1-CS10 NORTH*				X					ON
N1:T4:M11-9	*PHOTO*	*SMOKE*	*1:M11-9 FLR 1W STER STG 1-CS10*	X			X					ON
N1:T4:M11-10	*PHOTO*	*SMOKE*	*1:M11-10 FLR 1W JAN1-CS13*		X		X					ON
N1:T4:M11-11	*PHOTO*	*VSMOKE*	*1:M11-11 FLR 1W STORAGE 1012*	X	X		X					ON
N1:T4:M11-12	*PHOTO*	*SMOKE*	*1:M11-12 FLR 1W STER STG 1-CS10 CTR*			X	X					ON
N1:T4:M11-13	*PHOTO*	*SMOKE*	*1:M11-13 FLR 1W CENTRAL STERILE*	X		X	X					ON
N1:T4:M11-14	*PHOTO*	*SMOKE*	*1:M11-14 FLR 1W STER STG 1-CS10 SOUTH*		X	X	X					ON
N1:T4:M11-15	*PHOTO*	*SMOKE*	*1:M11-15 FLR 1W STER STG 1-CS10 SOUTH*	X	X	X	X					ON
N1:T4:M11-16	*PHOTO*	*SMOKE*	*1:M11-16 FLR 1W MAKE UP 1-CS07 W*					X				ON
N1:T4:M11-17	*PHOTO*	*SMOKE*	*1:M11-17 FL 1W CENTRAL STERILE*	X				X				ON
N1:T4:M11-18	*PHOTO*	*SMOKE*	*1:M11-18 FL 1W MAKE UP 1-CS07 @ CORR*		X			X				ON
N1:T4:M11-19	*PHOTO*	*SMOKE*	*1:M11-19 FL 1W STERILIZER 1-CS08*	X	X			X				ON
N1:T4:M11-20	*PHOTO*	*SMOKE*	*1:M11-20 FL 1W CLEAN STORAGE 1-CS06*			X		X				ON
N1:T4:M11-21	*PHOTO*	*SMOKE*	*1:M11-21 FL 1W DECON 1-CS03 NORTH*	X		X		X				ON
N1:T4:M11-22	*PHOTO*	*SMOKE*	*1:M11-22 FL 1W DECON 1-CS03 SOUTH*		X	X		X				ON
N1:T4:M11-23	*PHOTO*	*SMOKE*	*1:M11-23 FL 1W CART WASH 1-CS04 NORTH*	X	X	X		X				ON
N1:T4:M11-24	*PHOTO*	*SMOKE*	*1:M11-24 FL 1W CART WASH 1-CS04 SOUTH*				X	X				ON
N1:T4:M11-25	*PHOTO*	*SMOKE*	*1:M11-25 FL 1W CSS OFF 1-CS02*	X			X	X				ON
N1:T4:M11-26	*PHOTO*	*SMOKE*	*1:M11-26 FL 1W DI WATER 1-CS09*		X		X	X				ON
N1:T4:M11-27	*PHOTO*	*SMOKE*	*1:M11-27 FL 1W STORAGE 1103*	X	X		X	X				ON
N1:T4:M11-28	*PHOTO*	*SMOKE*	*1:M11-28 FL 1W CLEAN STORAGE 1-CS05*			X	X	X				ON
N1:T4:M11-29			*SPARE*	X		X	X	X				ON
N1:T4:M11-30	*RPHOTO*	*LSDUCT*	*1:M11-30 FLR 1W STER STG SUP FSD 1-CS10*		X	X	X	X				ON
N1:T4:M11-31	*RPHOTO*	*LSDUCT*	*1:M11-31 FLR 1W CARTWASH 1-CS04 RET FSD*	X	X	X	X	X				ON
N1:T4:M11-32			*SPARE*						X			ON
N1:T4:M11-33	*RPHOTO*	*LSDUCT*	*1:M11-33 FLR 1W SRG VEND 1-CS01 RET FSD*	X					X			ON
N1:T4:M11-34			*SPARE*		X				X			ON
N1:T4:M11-35	*RPHOTO*	*LSDUCT*	*1:M11-35 FLR 1W DECON 1- CS03 SUP FSP*	X	X				X			ON
N1:T4:M11-36			*SPARE*			X			X			ON
N1:T4:M11-37			*SPARE*	X		X			X			ON
N1:T4:M11-38			*SPARE*		X	X			X			ON
N1:T4:M11-39	*RIAM*	*RELAY*	*1:M11-39 FLR 1W OR #11 ALARM TO DCC*	X	X	X			X			ON
N1:T4:M11-40	*RIAM*	*RELAY*	*1:M11-40 FLR 1W OR #3 ALARM TO DDC*				X		X			ON
N1:T4:M11-41	*RPHOTO*	*LSDUCT*	*1:M11-41 FLR 1W ELEC RM 1-CS16 SUP FSD*	X			X		X			ON
N1:T4:M11-42	*RPHOTO*	*LSDUCT*	*1:M11-42 FLR 1W ELEC RM 1-CS16 RET FSD*		X		X		X			ON
N1:T4:M11-43	*RPHOTO*	*LSDUCT*	*1:M11-43 FLR 1W TLT 1-CS15 SUP FSD*	X	X		X		X			ON
N1:T4:M11-44	*RPHOTO*	*LSDUCT*	*1:M11-44 FLR 1W OR-11 1-SS100 RET FSD*			X	X		X			ON
N1:T4:M11-45	*PHOTO*	*VSMOKE*	*1:M11-45 FLR 1W OR-1 1-SS118 NE*	X		X	X		X			ON
N1:T4:M11-46	*PHOTO*	*VSMOKE*	*1:M11-46 FLR 1W OR-1 1-SS118 SW*		X	X	X		X			ON
N1:T4:M11-47	*RIAM*	*DHOLDER*	*1:M11-47 FLR 1W OR-1 1-SS116 D/H*	X	X	X	X		X			ON
N1:T4:M11-48	*PHOTO*	*VSMOKE*	*1:M11-48 FLR 1W OR-2 1-SS119 NE*					X	X			ON
N1:T4:M11-49	*PHOTO*	*VSMOKE*	*1:M11-49 FLR 1W OR-2 1-SS119 SW*	X				X	X			ON
N1:T4:M11-50	*RIAM*	*DHOLDER*	*1:M11-50 FLR 1W OR-2 1-SS119 D/H*		X			X	X			ON
N1:T4:M11-51	*PHOTO*	*VSMOKE*	*1:M11-51 FLR 1W CYSTO OR-3 1-SS129 NE*	X	X			X	X			ON
N1:T4:M11-52	*PHOTO*	*VSMOKE*	*1:M11-52 FLR 1W CYSTO OR-3 1-SS129 SW*			X		X	X			ON
N1:T4:M11-53	*RIAM*	*DHOLDER*	*1:M11-53 FLR 1W CYSTO OR-3 1-SS129 D/H*	X		X		X	X			ON
N1:T4:M11-54	*PHOTO*	*VSMOKE*	*1:M11-54 FLR 1W EQUIP STG 1-SS131*		X	X		X	X			ON
N1:T4:M11-55	*PHOTO*	*VSMOKE*	*1:M11-55 FLR 1W WOMENS LOCKER 1-SS135*	X	X	X		X	X			ON
N1:T4:M11-56	*HEAT*	*HEAT*	*1:M11-56 FLR 1W WOMENS BATH 1-SS136*				X	X	X			ON
N1:T4:M11-57	*PHOTO*	*VSMOKE*	*1:M11-57 FLR 1W MENS LOCKER 1-SS138*	X			X	X	X			ON
N1:T4:M11-58	*PHOTO*	*VSMOKE*	*1:M11-58 FLR 1W NURSE LOUNGE 1-SS139*		X		X	X	X			ON
N1:T4:M11-59			*SPARE*	X	X		X	X	X			ON
N1:T4:M11-60			*SPARE*			X	X	X	X			ON
N1:T4:M11-61			*SPARE*	X		X	X	X	X			ON
N1:T4:M11-62	*RPHOTO*	*LSDUCT*	*1:M11-62 FLR 1W OR-11 1-SS100 SUP FSD*		X	X	X	X	X			ON
N1:T4:M11-63	*RPHOTO*	*LSDUCT*	*1:M11-63 FLR 1W CORR 1-SS112 SUP FSD*	X	X	X	X	X	X			ON
N1:T4:M11-64			*SPARE*							X		ON
N1:T4:M11-65	*RIAM*	*RELAY*	*1:M11-65 FLR 1W OR-1 PHOENIX VALVE*	X						X		ON
N1:T4:M11-66	*RIAM*	*RELAY*	*1:M11-66 FLR 1W OR-2 PHOENIX VALVE*		X					X		ON
N1:T4:M11-67	*PHOTO*	*VSMOKE*	*1:M11-67 FLR 1W CORR 1-SS0237 @ STER STG*	X	X					X		ON
N1:T4:M11-68	*PHOTO*	*VSMOKE*	*1:M11-68 FLR 1W CORR 1-SS037 @ STG ALC*			X				X		ON
N1:T4:M11-69	*PHOTO*	*VSMOKE*	*1:M11-69 FLR 1W CORR 1-SS029 @ N.CORR*	X		X				X		ON
N1:T4:M11-70	*PHOTO*	*SMOKE*	*1:M11-70 FLR 1W CORR 1-SS036*		X	X				X		ON
N1:T4:M11-71	*PHOTO*	*SMOKE*	*1:M11-71 FLR 1W CORR 1-SS036*	X	X	X				X		ON
N1:T4:M11-72	*PHOTO*	*SMOKE*	*1:M11-72 FLR 1W STOR 1-SS035*				X			X		ON
N1:T4:M11-73	*PHOTO*	*SMOKE*	*1:M11-73 FLR 1W SOILED FLUIDS 1-SS032*	X			X			X		ON
N1:T4:M11-74	*RIAM*	*DHOLDER*	*1:M11-74 FLR 1W OR 4 CORR 1-SS036*		X		X			X		ON
N1:T4:M11-75	*RIAM*	*RELAY*	*1:M11-75 FLR 1W OR 4 PHOENIX VALVE*	X	X		X			X		ON
N1:T4:M11-76	*PHOTO*	*SMOKE*	*1:M11-76 FLR 1W DAVINCI OR 4 1-SS031 NW*			X	X			X		ON
N1:T4:M11-77	*PHOTO*	*SMOKE*	*1:M11-77 FLR 1W DAVINCI OR 4 1-SS031 SE*	X		X	X			X		ON
N1:T4:M11-78	*PHOTO*	*VSMOKE*	*1:M11-78 FLR 1W PASS 1-PA11*		X	X	X			X		ON
N1:T4:M11-79	*PHOTO*	*VSMOKE*	*1:M11-79 FLR 1W CLEAN UTILITY 1-PA07*	X	X	X	X			X		ON
N1:T4:M11-80	*PHOTO*	*VSMOKE*	*1:M11-80 FLR 1W PRIVATE PACU BAY 1100*					X		X		ON
N1:T4:M11-81	*PHOTO*	*VSMOKE*	*1:M11-81 FLR 1W PACU RECOVERY 1-PA01 N*	X				X		X		ON
N1:T4:M11-82	*PHOTO*	*VSMOKE*	*1:M11-82 FLR 1W PASS 1-PA12*		X			X		X		ON
N1:T4:M11-83	*PHOTO*	*VSMOKE*	*1:M11-83 FLR 1W STF LNGE 1-PA14*	X	X			X		X		ON
N1:T4:M11-84	*HEAT*	*HEAT*	*1:M11-84 FLR 1W TLT PA15*			X		X		X		ON
N1:T4:M11-85	*PHOTO*	*SMOKE*	*1:M11-85 FLR 1W PACU RECOVERY 1-PA01 S*	X		X		X		X		ON
N1:T4:M11-86	*PHOTO*	*SMOKE*	*1:M11-86 FLR 1W SOILED UTILITY 1-PA08*		X	X		X		X		ON
N1:T4:M11-87	*PHOTO*	*SMOKE*	*1:M11-87 FLR 1W PASS 1-PA06*	X	X	X		X		X		ON
N1:T4:M11-88	*PHOTO*	*SMOKE*	*1:M11-88 FLR 1W ELEC 1-PA05*				X	X		X		ON
N1:T4:M11-89	*ADRPUL*	*PULL*	*1:M11-89 FLR 1W NURSE STATION A 1-PA10*	X			X	X		X		ON
N1:T4:M11-90	*RIAM*	*RRELAY*	*1:M11-90 FLR 1W DAVINCI OR 4 1-SS029*		X		X	X		X		ON
N1:T4:M11-91			*SPARE*	X	X		X	X		X		ON
N1:T4:M11-92	*PHOTO*	*VSMOKE*	*1:M11-92 FLR 1W CORR 1-SS122 @STORAGE*			X	X	X		X		ON
N1:T4:M11-93	*PHOTO*	*VSMOKE*	*1:M11-93 FLR 1W STORAGE 1-SS125*	X		X	X	X		X		ON
N1:T4:M11-94			*SPARE*		X	X	X	X		X		ON
N1:T4:M11-95			*SPARE*	X	X	X	X	X		X		ON
N1:T4:M11-96			*SPARE*						X	X		ON
N1:T4:M11-97			*SPARE*	X					X	X		ON
N1:T4:M11-98			*SPARE*		X				X	X		ON
N1:T4:M11-99			*SPARE*	X	X				X	X		ON
N1:T4:M11-100	*PHOTO*	*VSMOKE*	*1:M11-100 FLR 1W PASS 1-SS204 S*			X			X	X		ON
N1:T4:M11-101	*PHOTO*	*VSMOKE*	*1:M11-101 FLR 1W PASS 1-SS204 CTR*	X		X			X	X		ON
N1:T4:M11-102	*PHOTO*	*VSMOKE*	*1:M11-102 FLR 1W PASS 1-SS204 N*		X	X			X	X		ON
N1:T4:M11-103	*PHOTO*	*VSMOKE*	*1:M11-103 FLR 1W STORE ROOM 1-SS201*	X	X	X			X	X		ON
N1:T4:M11-104	*PHOTO*	*VSMOKE*	*1:M11-104 FLR 1W EVS 1-SS202*				X		X	X		ON
N1:T4:M11-105	*HEAT*	*HEAT*	*1:M11-105 FLR 1W TOILET 1-SS203*	X			X		X	X		ON
N1:T4:M11-106	*ADRPUL*	*PULL*	*1:M11-106 FLR 1W NURSE STATION A 1-SS205*		X		X		X	X		ON
N1:T4:M11-107	*PHOTO*	*VSMOKE*	*1:M11-107 FLR 1W PASS E 1-SS312*	X	X		X		X	X		ON
N1:T4:M11-108	*HEAT*	*HEAT*	*1:M11-108 FLR 1W TOILET 1-SS206*			X	X		X	X		ON
N1:T4:M11-109	*PHOTO*	*VSMOKE*	*1:M11-109 FLR 1W MEDS 1-SS207*	X		X	X		X	X		ON
N1:T4:M11-110	*PHOTO*	*VSMOKE*	*1:M11-110 FLR 1W SOILED UTILITY 1-SS208*		X	X	X		X	X		ON
N1:T4:M11-111	*PHOTO*	*VSMOKE*	*1:M11-111 FLR 1W OFFICE 1-SS209*	X	X	X	X		X	X		ON
N1:T4:M11-112	*PHOTO*	*VSMOKE*	*1:M11-112 FLR 1W PASSAGE 1-SS210*					X	X	X		ON
N1:T4:M11-113	*PHOTO*	*VSMOKE*	*1:M11-113 FLR 1W WORK ROOM 1-SS215*	X				X	X	X		ON
N1:T4:M11-114	*PHOTO*	*VSMOKE*	*1:M11-114 FLR 1W CLEAN UTILITY 1-SS214*		X			X	X	X		ON
N1:T4:M11-115	*ADRPUL*	*PULL*	*1:M11-115 FLR 1W NURSE STATION 1-SS213*	X	X			X	X	X		ON
N1:T4:M11-116	*PHOTO*	*SMOKE*	*1:M11-116 FLR 1W PASSAGE W 1-SS212*			X		X	X	X		ON
N1:T4:M11-117	*HEAT*	*HEAT*	*1:M11-117 FLR 1W TOILET 1-SS221*	X		X		X	X	X		ON
N1:T4:M11-118	*PHOTO*	*VSMOKE*	*1:M11-118 FLR 1W NOURISHMENT 1-SS222*		X	X		X	X	X		ON
N1:T4:M11-119	*PHOTO*	*VSMOKE*	*1:M11-119 FLR 1W PASS E 1-SS224*	X	X	X		X	X	X		ON
N1:T4:M11-120	*PHOTO*	*VSMOKE*	*1:M11-120 FLR 1W PASS N 1-SS224*				X	X	X	X		ON
N1:T4:M11-121	*PHOTO*	*VSMOKE*	*1:M11-121 FLR 1W PASS S 1-SS224*	X			X	X	X	X		ON
N1:T4:M11-122	*ADRPUL*	*PULL*	*1:M11-122 FLR 1W NURSE STAT C 1-SS223*		X		X	X	X	X		ON
N1:T4:M11-123	*HEAT*	*HEAT*	*1:M11-123 FLR 1W TLT 1-SS219*	X	X		X	X	X	X		ON
N1:T4:M11-124	*HEAT*	*HEAT*	*1:M11-124 FLR 1W TLT 1-SS218*			X	X	X	X	X		ON
N1:T4:M11-125	*PHOTO*	*VSMOKE*	*1:M11-125 FLR 1W NURSE LOUNGE 1-SS217*	X		X	X	X	X	X		ON

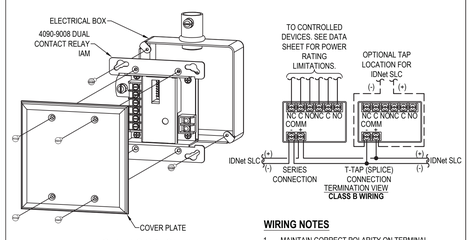
NOTE: THE LABELS SHOWN ABOVE WILL BE USED FOR PROGRAMMING PURPOSES.
THE LABELS ARE BASED UPON INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.
ANY CHANGES TO THESE LABELS MUST BE NOTED ON THE SUBMITTAL REVIEW, PRIOR TO PROGRAMMING.
POINTS SHOWN IN ITALIC TEXT REFER TO EXISTING DEVICES.

IDNET CHANNEL N1:T4:M11		ADDRESSES IN USE: 170 (68%) | SPARE ADDRESSES: 80 (32%)	SWITCH SETTINGS								
Address	**Device Type**	**Location Description**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	
N1:T4:M11-126	*HEAT*	*HEAT*	*1:M11-126 FLR 1W TOILET 1-SS220*	X	X	X	X	X	X		ON
N1:T4:M11-127	*PHOTO*	*VSMOKE*	*1:M11-127 FLR 1W COMM 1-SS216*	X	X	X	X	X	X		ON
N1:T4:M11-128	*PHOTO*	*LSDUCT*	*1:M11-128 ROOF RTU-3 SUP DET TO DDC*							X	ON
N1:T4:M11-129	*PHOTO*	*LSDUCT*	*1:M11-129 ROOF RTU-3 RET DET TO DDC*	X						X	ON
N1:T4:M11-130	*RIAM*	*RELAY*	*1:M11-130 ROOF RTU-3 SUPPLY TO DDC*		X					X	ON
N1:T4:M11-131	*RIAM*	*RELAY*	*1:M11-131 ROOF RTU-3 RETURN TO DDC*	X	X					X	ON
N1:T4:M11-132	*RIAM*	*RELAY*	*1:M11-132 FLR 1W ALARM TO DDC AHU-3*			X				X	ON
N1:T4:M11-133	*RIAM*	*RELAY*	*1:M11-133 FLR 1W SUPV FSD TO DDC AHU-3*	X		X				X	ON
N1:T4:M11-134	*RIAM*	*RELAY*	*1:M11-134 FLR 1W RET FSD TO DDC AHU-3*		X	X				X	ON
N1:T4:M11-135	*RIAM*	*RRELAY*	*1:M11-135 FL 1W PACU BY HALL SEC RELEASE*	X	X	X				X	ON
N1:T4:M11-136			*SPARE*				X			X	ON
N1:T4:M11-137	*PHOTO*	*VSMOKE*	*1:M11-137 FLR 1 11W CHANGING AREA 7200A*	X			X			X	ON
N1:T4:M11-138	*PHOTO*	*VSMOKE*	*1:M11-138 FLR 1W BREAK RM 7300A*		X		X			X	ON
N1:T4:M11-139	*PHOTO*	*VSMOKE*	*1:M11-139 FLR 1W Q/S RADIOLOGY 05 7202A*	X	X		X			X	ON
N1:T4:M11-140	*PHOTO*	*VSMOKE*	*1:M11-140 FLR1 1W STAFF HALL 7203A E*			X	X			X	ON
N1:T4:M11-141	*PHOTO*	*VSMOKE*	*1:M11-141 FLR 1W STAFF HALL 7203A W*	X		X	X			X	ON
N1:T4:M11-142	*PHOTO*	*VSMOKE*	*1:M11-142 FLR 1W TECH WORK AREA 7204A*		X	X	X			X	ON
N1:T4:M11-143	*PHOTO*	*VSMOKE*	*1:M11-143 FLR 1W EQUIPMENT RM 7203B*	X	X	X	X			X	ON
N1:T4:M11-144	*PHOTO*	*VSMOKE*	*1:M11-144 FLR 1W CONTROL AREA 7402B*					X		X	ON
N1:T4:M11-145	*PHOTO*	*VSMOKE*	*1:M11-145 FLR 1W PATIENT HOLDING 7402D*	X				X		X	ON
N1:T4:M11-146	*PHOTO*	*VSMOKE*	*1:M11-146 FLR1 1W CONTROL AREA 7402B S*		X			X		X	ON
N1:T4:M11-147	*IAM*	*SMOKE*	*1:M11-147 FLR 1W MRI 2 7402A HW SMKDET*	X	X			X		X	ON
N1:T4:M11-148			*SPARE*			X		X		X	ON
N1:T4:M11-149			*SPARE*	X		X		X		X	ON
N1:T4:M11-150	*IAM*	*SDUCT*	*1:M11-150 FLR 1W CRAC1 INTERGRAL SMK DET*		X	X		X		X	ON
N1:T4:M11-151	*PHOTO*	*VSMOKE*	*1:M11-

RSN:1784043
CT-24-2416968

DUAL CONTACT RELAY IAM

SIMPLEX 4090-9008



MOUNTING OPTION "A"

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).

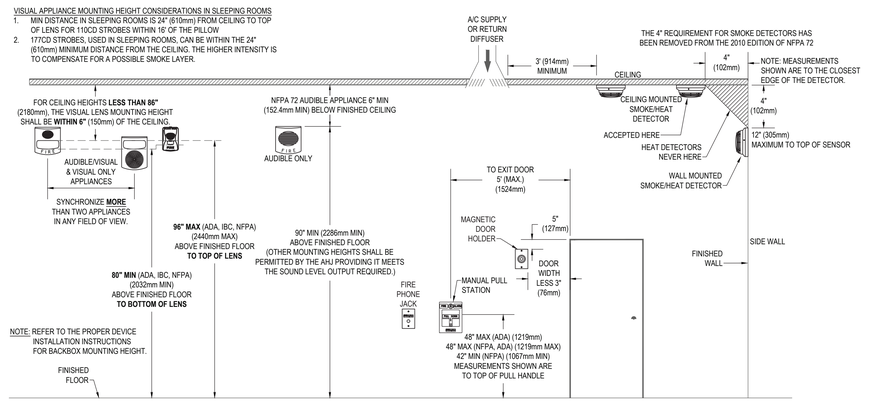
MOUNTING OPTIONS

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

DEVICE MOUNTING HEIGHT REFERENCE

PER NFPA 72



Johnson Controls
DISTRICT 1-418
1400 E. 104TH AVENUE
AURORA, CO 80037
SERVICE: 303-355-6000
PHONE: 303-355-9000
FAX: 303-355-9015

NICET CERTIFICATION INFORMATION

CALE RAUCH
NICET Fire Alarm, III
Certification #151588
Valid Through: 12/01/25

02/15/2024

THE MEDICAL CENTER OF AURORA - SOUTH OR EXPANSION - DOOR RELAY ADD

THE MEDICAL CENTER OF AURORA
1501 SOUTH POTOMAC STREET
AURORA, COLORADO 80012

Revisions shown with ⚠ symbol

ISSUE LOC	MARK	DATE	CAD	CHK	DESCRIPTION

FOR PERMIT

DRAWN BY:	CCD
CHECKED BY:	CBR
ISSUE DATE:	2/15/24
JOB #:	
PROJECT #:	419:650189804

JOHNSON CONTROLS © 2024

SYSTEM:
FIRE ALARM SYSTEM

SHEET:
TYPICAL DEVICE WIRING

FA-701

30" x 42" - Arch E1 Size
LAST PRINTED: 2/15/2024 2:59:34 PM
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