

Submittal #28 31 00-2.0 28 31 00 - Fire Alarm

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McCarthy Building Companies Inc. 7930 Santa Fe Drive Suite 200 Overland Park, Kansas 66204 Phone: (913) 202-7002 Project: 003057.000 - Saint Luke's Continous Work Projects 2023 100 NE Saint Luke's Blvd, Lees Summit, Missouri 64086

SPEC SECTION:	28 31 00 - Fire Alarm	SUBMITTAL MANAGER:	Joseph Locascio (McCarthy Building Companies Inc)
STATUS:	Draft	DATE CREATED:	05/27/2023
ISSUE DATE:		REVISION:	0
RESPONSIBLE CONTRACTOR:		RECEIVED FROM:	
RECEIVED DATE:		SUBMIT BY:	
FINAL DUE DATE:	08/24/2023	LOCATION:	
TYPE:	Shop Drawing	COST CODE:	
CRITICAL:	No		
APPROVERS:	Nadia Opalenik (McCarthy Building 0	Companies Inc), Brian Dostal (ACI Boland I	nc), Shari McConnell (IMEG Corp)
BALL IN COURT:			
DISTRIBUTION:			

DESCRIPTION:

B. Shop Drawings: 1. Shop Drawings shall be prepared by persons with the following qualifications: a. Trained and certified by manufacturer in fire alarm system design. b. Fire alarm certified by NICET, minimum Level III. 2. System Operation Description: Detailed description for this Project, including method of operation and supervision of each type of circuit and sequence of operations for manually and automatically initiated system inputs and outputs. Manufacturer's standard descriptions for generic systems are not acceptable. 3. Device Address List: Coordinate with final system programming. 4. System riser diagram with device addresses, conduit siÚËs, and cable and wire types and siÚËÕÛ 5. Wiring Diagrams: Power, signal, and control wiring. Include diagrams for equipment and for system with all terminals and interconnections identified. Show wiring color code. 6. Batteries: SiÚË ÎÓ×îÜ×ations. 7. Duct Smoke Detectors: Performance parameters and installation details for each detector, verifying that each detector is listed for the complete range of air velocity, temperature, and humidity possible when air-handling system is operating. 28 31 00 - 2 FIRE ALARM

ATTACHMENTS:

This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Preparer have not been reviewed. Review shall not constitute a complete check of detailed dimensions or count or serve to relieve the Preparer of contractual responsibility for any error or deviation from contract requirements.

SUBMITTAL WORKFLOW

#	NAME	SUBMITTER/ APPROVER	SENT DATE	DUE DATE	RETURNED DATE	RESPONSE	ATTACHMENTS	
1	Paul Dame	Submitter		8/10/2023	7/27/2023	Submitted	SLE Nuc Med Spect _CT_Dwgs.pdf	
COMMENTS:								
2	Nadia Opalenik	Approver		8/10/2023		Pending		
COMMENTS:								
3	Brian Dostal	Approver		8/24/2023		Pending		
COMMENTS:								
4	Shari McConnell	Approver		8/24/2023		Pending		
COMMENTS:								



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SLE NUCLEAR MEDICINE SPECT CT

FIRE ALARM SYSTEM

Johnson

Lenexa, KS 66215
SERVICE: 913-894-0010

Johnson

Control

Phone: 913-894-0010

FAX: 913-894-0020

DRAWING INDEX	LEGENDS	APPLICABLE CODES & STANDARDS	JOHNSON CONTROLS CONTACTS	DISTRICT 11019 ST LENEXA, SERVICE
Sheet Number Sheet Title FA-001 COVER SHEET FA-101 DEVICE DETAILS	FIRE ALARM SYMBOL LEGEND SYMBOL DESCRIPTION BRAND MODEL BACKBOX WRE TYPE INITIATING DEVICES ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W. STANDARD BASE ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W. 4-WIRE RELAY SIMPLEX 4098-9714 HEAD 4" OCT, 1-1/2" D M ADDRESSABLE PHOTOELECTRIC SMOKE SENSOR W. 4-WIRE RELAY SIMPLEX 4098-9791 BASE SUPERVISED RELAY SIMPLEX 2098-9737 MOUNTS IN BASE BOX R NOTIFICATION APPLIANCES ** TAP ALL SPEAKERS AT 70.7 VOLTS ** #W ## SPEAKER/STROBE, WALL, RED, FIRE SIMPLEX EXISTING EXISTING BACKBOX A STROBE, WALL, RED, FIRE SIMPLEX EXISTING EXISTING BACKBOX A STROBE WALL, RED, FIRE SIMPLEX EXISTING EXISTING BACKBOX	INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION INTERNATIONAL FIRE CODE (IFC), 2018 EDITION NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72), 2016 EDITION NATIONAL ELECTRIC CODE (NFPA 70), 2017 EDITION OCCUPANCY TYPE(S): B BUSINESS GROUP SPRINKLER PROTECTION: BUILDING IS FULLY SPRINKLED	Sales Representative TODD WHALEN DONALD.TODD.WHALEN@JCI.COM PHONE: 785-249-2200 Scheduling CARLA FRATZEL CARLA.FRATZEL@JCI.COM PHONE: 816-490-5229 Drawings Prepared By MARIANO.MENDEZ.ZAMORA MARIAN	JOHN WILLIAM CASBURNAR NUMBER E-14378 E-14378
52	FIRE ALARM WIRE LEGEND CIRCUIT DESCRIPTION CONSTRUCTION GAUGE CIRCUIT PROPERTIES A DEPTH OF THE PROPERTIES ADDRESSABLE NOT PROPE	SCOPE OF WORK MODIFY EXISTING FIRE ALARM SYSTEM: PROVIDE NEW DEVICES, RELOCATE AND DEMO EXISTING DEVICES AS SHOWN ON DRAWINGS. ALL NEW WIRING TO BE CLASS B. VERIFY ALL CIRCUITS, LOADS, AND ADDRESSES INCLUDING EXISTING AND RELOCATED DEVICES TO WHICH NEW DEVICES ARE CONNECTED. DOCUMENT INFORMATION ON PLANS AND CHART FOUND ON FA-001 UNDER CALCULATIONS. 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. DESIGN STATEMENT THIS PROJECT'S DESIGN IS BASED ON THE ENGINEERED PLANS BY ACI BOLAND ARCHITECTS DATED 04/07/2023	PROJECT DIRECTORY Site ST. LUKE'S HOSPITAL 100 NE SAINT LUKE'S BLVD LEE'S SUMMIT, MO 64086 Engineer Of Record ACI/BOLAND, INC 1710 WYANDOTTE KANSAS CITY, MO 64108 PROJECT DIRECTORY Johnson Controls District - 332 11019 STRANG LINE ROAD LENEXA, KS 66215 PHONE: 913-894-0010 FAX: 913-894-0010 FAX: 913-894-0010 SERVICE: 913-894-0010 SHAW ELECTRIC COMPANY 3600 FULLER AVE KANSAS CITY, MO 64129	5
ifOneDrive - Johnson Cortrols/SL_Lukes/SLE_Lees_Summit/99SLE_NUC_MED_5604005/19/Sheet Set/FA-001.ds	TIEMS SUCH AS CAPACITANCE RETVENEN COMBUSTORS 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 RECEIVED STHE ABOVE REQUIREMENTS. RECOMMENDED CABLE MANUFACTURERS AND MODEL NUMBERS ARE AVAILABLE UPON REQUEST.	AC = ABOVE CEILING AFF = ABOVE FINISHED FLOOR AHJ = AUTHORITY HAVING JURISDICTION ALM = LAURM ANN = ANNUNCATOR BMS = BUILDING MANAGEMENT SYSTEM C = CEILING MOUNTED CD = CANDELA RATING DET = DETECTOR DGP = DATA GATHERING PANEL E = EXISTING TO REMAIN ED = END OF LINE EPO = EMERGENCY POWER OFF ER = ELEVATOR RECALL FAA = FIRE ALARIM GANINCATOR FACP = FIRE ALARIM TRANSPONDER FOR = FIRE SMOKE DAMPER FOR = FIRE SMOKE DAMPER FIRE = FIRE SMOKE DAMPER FIRE = FIRE ALARIM TRANSPONDER H = HIGH HUMIDITY H T = HEIGHT HAVE = HEATING VENTILATION & AIR CONDITIONING MAX = MAXIMUM MIN = MINIMUM MIN = MI	PANEL DESIGNATOR • FA: = FACP (NON-NETWORK) • #: = NODE NUMBER • #: # = TRANSPONDER NUMBER • #: # = NODE:TRANSPONDER NUMBER • #: # = NODE:TRANSPONDER NUMBER • M# = IDNAC! CIRCUIT NUMBER • A# = IDNAC! CIRCUIT NUMBER • D# DOOR HOLDER CIRCUIT NUMBER • ## = RIDRE PHONE CIRCUIT • H# = AUDIBLE (HORN) CIRCUIT NUMBER • M# = IDNET LOOP NUMBER • ## = S# = SPEAKER CIRCUIT NUMBER • ## = S# = SPEAKER CIRCUIT NUMBER • ## = V# = VISUAL CIRCUIT NUMBER • ## = V# = VISUAL CIRCUIT NUMBER • ## = V# = VISUAL CIRCUIT NUMBER • ## = IDNAC BANCH NUMBER • (##) = IDNAC BRANCH NUMBER • (##) = IDNAC BRANCH NUMBER • (##) = EPR* NUMBER BRANCH NUMBER • (##) = EPR* SABBLE NOTIFICATION CIRCUIT 2. EPR = ENHANCED POWER REPEATER	SLE NUCLEAR MEDICINE SPECT ST. LUKES HOSPITAL 100 NE SAINT LUKE'S BLVD LEE'S SUMMIT, MO 64086
GENERAL NOTES 1. THESE DRAWINGS DEPICT GENERAL LOCATIONS OF LIFE SAFETY FOUIPMENT & FIELD DEVICES. EXACT ROUTING OF CONDUITS IS TO BE DELEMBRING ON THE HELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. ALL CHANGES SHALL BE CLEARLY MICROSCHED ON THE HELDOR DRAWINSS. 2. THE MECOND CHANNESS. 3. THE MECOND CHANNESS. 4. CONTRACTOR IS RESPONSIBLE FOR MANING AND GENANING A PREVIAL FOR ALL INCESSARY ADJUSTMENTS IN CIRCUITS OF CONSTRUCTION SCHEDULE. 4. CONTRACTOR IS RESPONSIBLE FOR MANING AND GENANING AND GENANING SWICE CLASS MANDER DEVALUE CONSTRUCTION SCHEDULE. 5. CONTRACTOR IS RESPONSIBLE FOR MANING AND GENANING AND GENANING SWICE CLASS MANDER SHALL BE CHANNESS SHALL BE CLEARLY NIDICATED ON THE RECORD FOR PREVIOUS PROVIDED AND AND SHALL BE USED FOR INSTALLATION. 5. THE POWER CROUNT TO THE FACE AND TO THE FIRE ALMARM POWER SUPPLIES SHALL BE CONTRACTOR. 6. UPDATE THE ACCOUNT OF THE PREVIOUS CHANNES CHANNESS AND THE ACCOUNT OF THE PREVIOUS CHANNES. 6. UPDATE THE ACCOUNT OF THE PREVIOUS CHANNES C	PANEL AND CIRCUIT LOADS FACE MAC OFFIC SOURCE FACE THAT OFFIC SOURCE FACE THAT OFFIC SOURCE FACE THAT OFFIC SOURCE FACE THAT OFFIC SOURCE FACE FOR EACH THAT OFFIC SOURCE FACE FOR EACH THAT OFFIC SOURCE FACE FOR EACH THAT OFFIC SOURCE FACE FOR TH	SVSTEM INDICATOR SINGKE SENSOR/DETECTOR IN PATIENT ROOMED SIGNAL SINGKE SENSOR/DETECTOR IN PATIENT ROOMED SIGNAL SINGKE SINGK	RELEASED FOR CONSTRUCTION RELEASED FOR CONSTRUCTION AS Noted on Plan Review RELEASED FOR CONSTRUCTION AS NOTED SOME SOURCE S	DRAWN BY: MM CHECKED BY: .TLE ISSUE DATE: 7/17/23 JOB #: PROJECT #: 332.650400519 JOHNSON CONTROLS © 2023 SYSTEM: FIRE ALARM SYSTEM SHEET: COVER SHEET
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