

NAME OF PROJECT:	MAVIS TIRE 2266	
ADDRESS:	1585 BUFFALO LAKE ROAD SANFORD, NC 27332	
PROPOSED USE:	BUSINESS	
FIRE ALARM VENDOR:	VECTOR SECURITY 13555 WELLINGTON CENTER CIRCLE SUITE 123 GAINESVILLE, VA 20155	(888) 832-8671
FIRE ALARM DESIGNER:	KRISTOPHER MILLER VECTOR SECURITY 2500 MATLAND CENTER PARKWAY MATLAND, FL 32751	(703) 468-6100 EXT.
FIRE ALARM MONITORED BY:	VECTOR SECURITY 2000 ERICSSON DR. WARRENDALE, PA 15086	(724) 741-2200 ULF S2535
INSTALLING CONTRACTOR:	TBD	
NAME OF CONTRACTOR:		
PHONE OF CONTRACTOR:		
LICENSE NUMBER:		

TOTAL SQUARE FT.	6,600
SPRINKLED	NO

THIS PROJECT INVOLVES THE INSTALLATION & TESTING OF A NEW FIRE ALARM SYSTEM WITHIN A NEW MAVIS STORE. THE SYSTEM SHALL BE MONITORED BY AN APPROVED LISTED MONITORING STATION. THE COMMUNICATION PATHS WILL SOLE PATH CELLULAR.

	CODES	AMENDMENTS
BUILDING	2018 IBC	
FIRE	2018 IFC	
ELECTRICAL	2014 NEC	----
NFPA 72	2013 NFPA 72	
MECHANICAL	2018 IMC	
OTHER		
OTHER		

1. A MICROPROCESSOR-BASED MULTIPLEX FIRE ALARM SYSTEM WITH INTELLIGENT, ADDRESSABLE INITIATION DEVICES WILL BE REQUIRED. THE RISER DIAGRAM IS BASED AROUND A MULTIPLEX ADDRESSABLE SYSTEM. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED CENTRAL STATION MONITORING SERVICE. INTERFACE EQUIPMENT WILL BE FULLY UL LISTED AND FM APPROVED FOR THIS PURPOSE.
2. SIGNALING LINE CIRCUITS SHALL BE CLASS B, STYLE 4 MINIMUM. INITIATING DEVICE CIRCUITS SHALL BE CLASS B, STYLE B MINIMUM. NOTIFICATION APPLIANCE CIRCUITS SHALL BE CLASS B, STYLE Y MINIMUM.
3. OUTDOOR DEVICES (WHEN REQUIRED) SHALL BE MOUNTED ON CAST WEATHERPROOF OUTLET BOXES (2 GANG BELL BOX).
4. ALL FIRE ALARM CABLEING SHALL BE ROUTED THROUGH CONDUIT FROM DEVICES TO BOTTOM OF THE BAR JOIST. AT THAT POINT CABLEING SHALL BE RUN EXPOSED ALONG THE CEILING IF ACCEPTABLE BY THE AHJ.
5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LINE VOLTAGE (120 V. MAX.) IN SEPARATE CONDUIT. SHALL BE INSTALLED PER NEC UNLESS OTHERWISE NOTED BY LOCAL AUTHORITIES.
6. ALL EXPOSED CABLE BELOW THE BOTTOM OF THE BAR JOIST, OTHER ROOF STRUCTURE OR OTHER LOCATIONS WHERE THE CABLE MAY BECOME EXPOSED AND/OR DAMAGED, MUST BE INSTALLED WITHIN A STEEL CONDUIT. ALL SPLICES SHALL BE TERMINATED IN A BOX MARKED AS SPLICE POINT. THE SPACE ABOVE THE DROP CEILING IS CONSIDERED PROTECTED AND DOES NOT REQUIRE CONDUIT FROM THE STRUCTURE TO THE DEVICE ON THE CEILING TILE.
7. SYSTEM OPERATION, TESTING, TURN OVER, WARRANTY, COMPLIANCE, AND AFTER MARKET SERVICE SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.
8. VECTOR SECURITY SHALL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY VECTOR SECURITY.
9. ALL CONDUIT, BOXES (UNLESS OTHERWISE INDICATED), FITTINGS, COUPLINGS, CONNECTORS, STRAPS, SUPPORTS, PULL-LINES, BUSHINGS, ETC. SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL WORK SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA 70.
10. ALL CONDUIT AND BACK BOX SIZES SHALL BE COORDINATED WITH THE FIRE ALARM CONTRACTOR.
11. ALL CONDUIT SHALL BE STUBBED UP TO BOTTOM OF BAR JOIST.
12. NO HORIZONTAL RUNS ON WALLS WILL BE ALLOWED BELOW THE BAR JOIST.
13. LOOSE WIRE SHALL BE INSTALLED AND SECURED TO THE UPPER LEVEL OF THE BAR JOIST AND SHALL RUN EITHER PARALLEL OR AT 90° TO THE JOIST. NO DIAGONAL WIRING WILL BE ALLOWED.
14. THE INSTALLATION CONTRACTOR SHALL COORDINATE ALL LOCATIONS WITH THE LATEST FIXTURE PLANS PRIOR TO INSTALLATION.
15. ALL NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72.
16. AUDIBLE EVACUATION SIGNAL SHALL BE TEMPORAL 3 PER NFPA 72.
17. A SYSTEM RECORD DOCUMENT BOX SHALL BE INSTALLED PER NFPA 72.
18. FIRE ALARM BREAKER SHALL BE LOCKED UP AND LABELED.
19. FIRE ALARM CONTROL PANEL OPERATING CONTROLS SHALL NOT BE MORE THAN 72" ABOVE THE FINISHED FLOOR LEVEL.

FA-0	TITLE SHEET, GENERAL NOTES, SYSTEM RISER DIAGRAM
FA-1	SYSTEM CALCULATIONS
FA-2	FIRE ALARM SYSTEM UPGRADE LAYOUT
FA-3	DETAILS
FA-4	CONDUIT NOTES

The diagram illustrates a fire alarm system architecture. A central Fire Alarm Control Unit (FACU) is connected to an Annunciator and a Solepath Cellular. The FACU is connected to two parallel loops of devices. The top loop (blue line) includes devices N1-01 to N1-12, with N1-12 being an EOL 5.1k. The bottom loop (green line) includes devices N2-01 to N2-12, with N2-12 being an EOL 5.1k. The FACU is also connected to a Solepath Cellular. The diagram includes various symbols for devices like F (Fire), S (Smoke), H (Heat), and C (Control), and their respective ratings (30cd, 15cd, 75cd).

POINT LIST MODULE ADDRESSES M##	
DEVICE LABEL	LOCATION
D001	FACP SMOKE
D002	MENS SMOKE
D003	STAFF SMOKE
D004	BREAK RM SMOKE
D005	WOMENS SMOKE
D006	SHOWROOM SMOKE 1
D007	SHOWROOM SMOKE 2
D008	TIRE STORAGE SMK 1
D009	TIRE STORAGE SMK 2
D010	TIRE STORAGE SMK 3
D011	TIRE STORAGE SMK 4
D012	
D013	
D014	
D015	SERVICE AREA HEAT 1
D016	SERVICE AREA HEAT 2
D017	SERVICE AREA HEAT 3
D018	SERVICE AREA HEAT 4
D019	
D020	DUCT SMK DETECTOR
D021	CO DETECTOR
D022	
D023	
D024	
D025	SHOW ROOM PULL
D026	SERVICE AREA PULL 1
D027	SERVICE AREA PULL 2
D028	TIRE STORAGE PULL
D029	
D030	

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1585 BUFFALO LAKE ROAD
SANFORD, NC 27332

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SANFORD, NC 27332

FIRE ALARM SYSTEM

INITIALS PREPARED BY:

FOR SECURITY NETWORKS
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AND, FL 32751
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













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PANEL BATTERY CALCULATIONS AND VOLTAGE LOSS

PANEL (AFC-50) BATTERY CALCULATION (SECONDARY POWER SOURCE REQUIREMENTS)							
PANEL COMPONENTS		QTY	PART NO.	DESCRIPTION	STANDBY CURRENT		SECONDARY ALARM CURRENT
		1	AFC-50	FIRE ALARM CONTROL PANEL	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)
		1	AFC-50 MAIN BOARD	FIRE ALARM CONTROL PANEL MAIN BOARD	0.13	0.13	0.22
		1	B465	UNIVERSAL DUAL PATH COMMUNICATOR	0.12	0.12	0.16
CIRCUIT	SYMBOL	QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)
AFC-50-L1		1	PAD100-OROI	ONE RELAY ONE INPUT MODULE	0.00024	0.00024	0.00024
		4	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION	0.0002	0.0008	0.0002
		1	PAD300-CD	CARBON-MONOXIDE DETECTOR	0.0003	0.0003	0.0003
		4	PAD300-HD	FIXED TEMPERATURE HEAT SENSOR	0.0003	0.0012	0.0003
		11	PAD300-PD	PHOTOELECTRIC SMOKE SENSOR	0.0003	0.0033	0.0003
AFC-50-N1		4	P2RLED	2-WIRE, HORN STROBE, RED 30CD	0	0	0.038
		2	PC2RLED	2-WIRE, HORN STROBE, RED 30CD	0	0	0.038
		3	SRLED	STROBE, RED 15CD	0	0	0.018
		3	SRLED	STROBE, RED 30CD	0	0	0.022
AFC-50-N2		3	P2RLED	2-WIRE, HORN STROBE, RED 30CD	0	0	0.038
		1	PC2RLED	2-WIRE, HORN STROBE, RED 75CD	0	0	0.087
		5	SCRLED	STROBE, RED 75CD	0	0	0.07
		3	SRLED	STROBE, RED 30CD	0	0	0.022
AFC-50-P-LINK		1	RA-6075	LCD ANNUNCIATOR	0.02	0.02	0.025
					TOTAL STANDBY (A)	0.27584	TOTAL ALARM (A)
					REQUIRED STANDBY TIME (HOURS)	24	1.38
					REQUIRED ALARM TIME (MINUTES)	5	
SECONDARY STANDBY LOAD (A)					0.27584	24	6.62
SECONDARY ALARM LOAD (A)					1.38	0.083	0.115
STANDBY AND ALARM SUBTOTAL (AMP HOURS)						6.73	
DERATING FACTOR						1.25	
SECONDARY LOAD REQUIREMENTS (AMP HOURS)						8.42	
PROVIDE (2) 12V 18AH BATTERIES							
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.							

AFC-50 N1 LUMP SUM REPORT				CURRENT SUMMARY		POWER SUMMARY	
				MAX. CIRCUIT CURRENT (A):	2.50	STARTING CALC. VOLTAGE:	20.40
				TOTAL CIRCUIT CURRENT (A):	0.348	MAX. VOLTAGE DROP:	0.630
				SPARE CIRCUIT CURRENT (A):	2.15	VOLTAGE DROP %:	3.07 %
				SPARE CIRCUIT CURRENT %:	86.08 %	MIN. OPERATIONAL VOLTAGE:	16
				MAX. CARD CURRENT (A):	n/a	END OF LINE VOLTAGE:	19.77
				TOTAL CARD CURRENT (A):	0.995840	WIRE RESISTANCE (Ω/KFT):	3.07
				SPARE CARD CURRENT (A):		TOTAL CIRCUIT LENGTH (FT):	293
				SPARE CARD CURRENT %:		TOTAL CIRCUIT RESISTANCE (Ω):	1.80
CIRCUIT WIRING PROPERTIES: "V" 14/2 FPLP/R (NAC) 609938 14 AWG, 2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED							
DISTANCE MEASURED USING DRAWN SEGMENT LENGTHS WITH 10.00 % ADDITIONAL LENGTH CALCULATED							
SYMBOL	QUANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
	4	P2RLED	2-WIRE, HORN STROBE, RED	30CD	0.038	0.152	
	2	PC2RLED	2-WIRE, HORN STROBE, RED	30CD	0.038	0.076	
	3	SRLED	STROBE, RED	15CD	0.018	0.054	
	3	SRLED	STROBE, RED	30CD	0.022	0.066	
CALCULATION METHODS:							
TOTAL RESISTANCE (Ω) = WIRE RESISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT LENGTH (FT)							
TOTAL VOLTAGE DROP = TOTAL RESISTANCE (Ω) X TOTAL CIRCUIT CURRENT (A)							

AFC-50 N2 LUMP SUM REPORT				CURRENT SUMMARY		POWER SUMMARY	
				MAX. CIRCUIT CURRENT (A):	2.50	STARTING CALC. VOLTAGE:	20.40
				TOTAL CIRCUIT CURRENT (A):	0.6170	MAX. VOLTAGE DROP:	0.860
				SPARE CIRCUIT CURRENT (A):	1.88	VOLTAGE DROP %:	4.21 %
				SPARE CIRCUIT CURRENT %:	75.32 %	MIN. OPERATIONAL VOLTAGE:	16
				MAX. CARD CURRENT (A):	n/a	END OF LINE VOLTAGE:	19.54
				TOTAL CARD CURRENT (A):	0.995840	WIRE RESISTANCE (Ω/KFT):	3.07
				SPARE CARD CURRENT (A):		TOTAL CIRCUIT LENGTH (FT):	227
				SPARE CARD CURRENT %:		TOTAL CIRCUIT RESISTANCE (Ω):	1.39
CIRCUIT WIRING PROPERTIES: "V" 14/2 FPLP/R (NAC) 609938 14 AWG, 2 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED							
DISTANCE MEASURED USING DRAWN SEGMENT LENGTHS WITH 10.00 % ADDITIONAL LENGTH CALCULATED							
SYMBOL	QUANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
	3	P2RLED	2-WIRE, HORN STROBE, RED	30CD	0.038	0.114	
	1	PC2RLED	2-WIRE, HORN STROBE, RED	75CD	0.087	0.087	
	5	SCRLED	STROBE, RED	75CD	0.07	0.35	
	3	SRLED	STROBE, RED	30CD	0.022	0.066	
CALCULATION METHODS:							
TOTAL RESISTANCE (Ω) = WIRE RESISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT LENGTH (FT)							
TOTAL VOLTAGE DROP = TOTAL RESISTANCE (Ω) X TOTAL CIRCUIT CURRENT (A)							

AFC-50 P-LINK LUMP SUM REPORT				CURRENT SUMMARY		POWER SUMMARY	
				MAX. CIRCUIT CURRENT (A):	1	STARTING CALC. VOLTAGE:	24
				TOTAL CIRCUIT CURRENT (A):	0.025	MAX. VOLTAGE DROP:	0.05
				SPARE CIRCUIT CURRENT (A):	0.9750	VOLTAGE DROP %:	0.20 %
				SPARE CIRCUIT CURRENT %:	97.50 %	MIN. OPERATIONAL VOLTAGE:	18
				MAX. CARD CURRENT (A):	n/a	END OF LINE VOLTAGE:	23.95
				TOTAL CARD CURRENT (A):	0.995840	WIRE RESISTANCE (Ω/KFT):	7.77
				SPARE CARD CURRENT (A):		TOTAL CIRCUIT LENGTH (FT):	124
				SPARE CARD CURRENT %:		TOTAL CIRCUIT RESISTANCE (Ω):	1.93
CIRCUIT WIRING PROPERTIES: "PLINK+" 18/4 FPLP/R (P-LINK/PWR) 18 AWG, 4 COND. SOLID COPPER FPLP/R ANALOG UNSHIELDED							
DISTANCE MEASURED USING DRAWN SEGMENT LENGTHS WITH 10.00 % ADDITIONAL LENGTH CALCULATED							
SYMBOL	QUANTITY	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	TOTAL CURRENT (A)	
	1	RA-6075	LCD ANNUNCIATOR		0.025	0.025	
CALCULATION METHODS:							
TOTAL RESISTANCE (Ω) = WIRE RESISTANCE (Ω/FT) X 2 X TOTAL CIRCUIT LENGTH (FT)							
TOTAL VOLTAGE DROP = TOTAL RESISTANCE (Ω) X TOTAL CIRCUIT CURRENT (A)							

REVISIONS

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1585 BUFFALO LAKE ROAD
SANFORD, NC 27332

FIRE ALARM SYSTEM

SUBMITTALS PREPARED BY:

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ENGINEER OF RECORD
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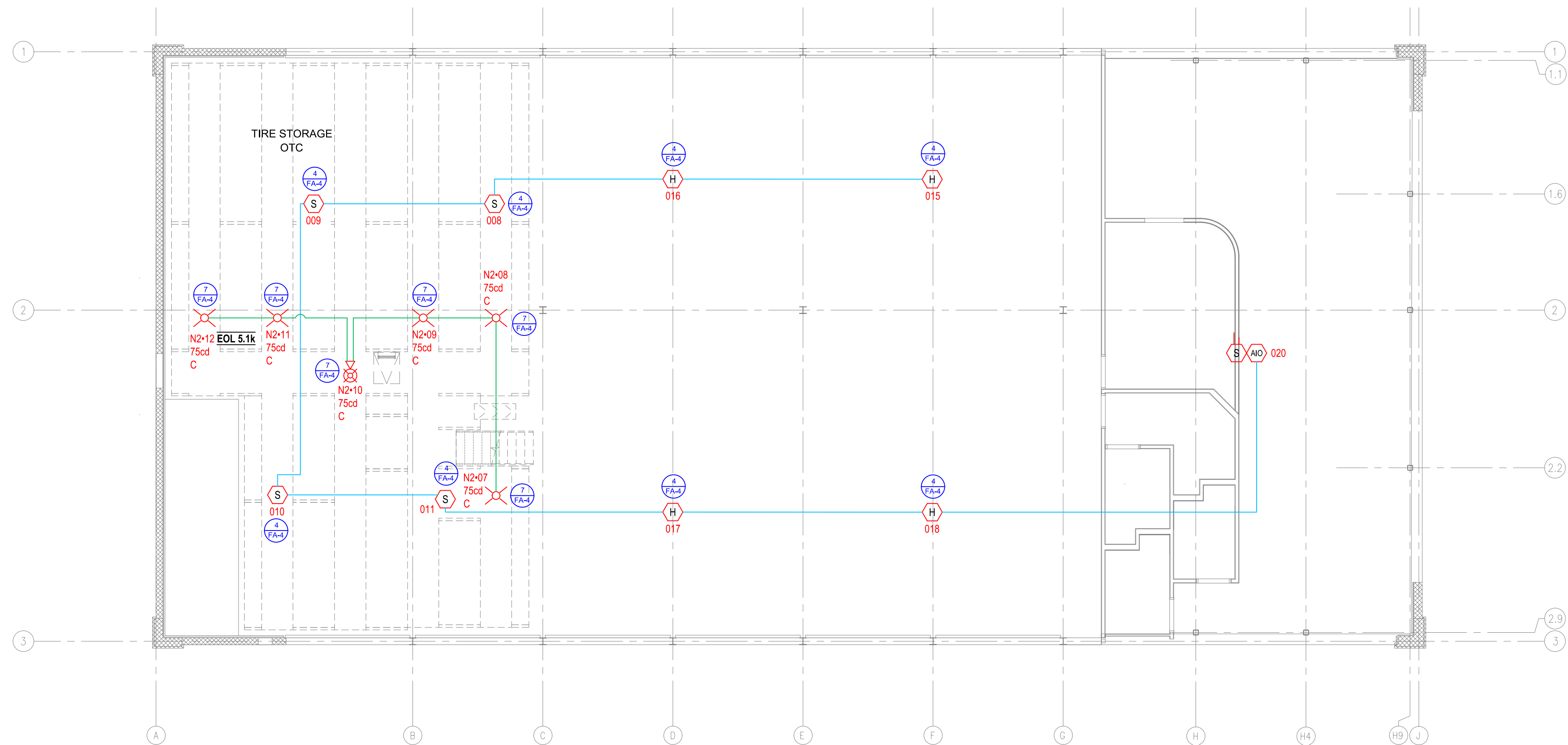


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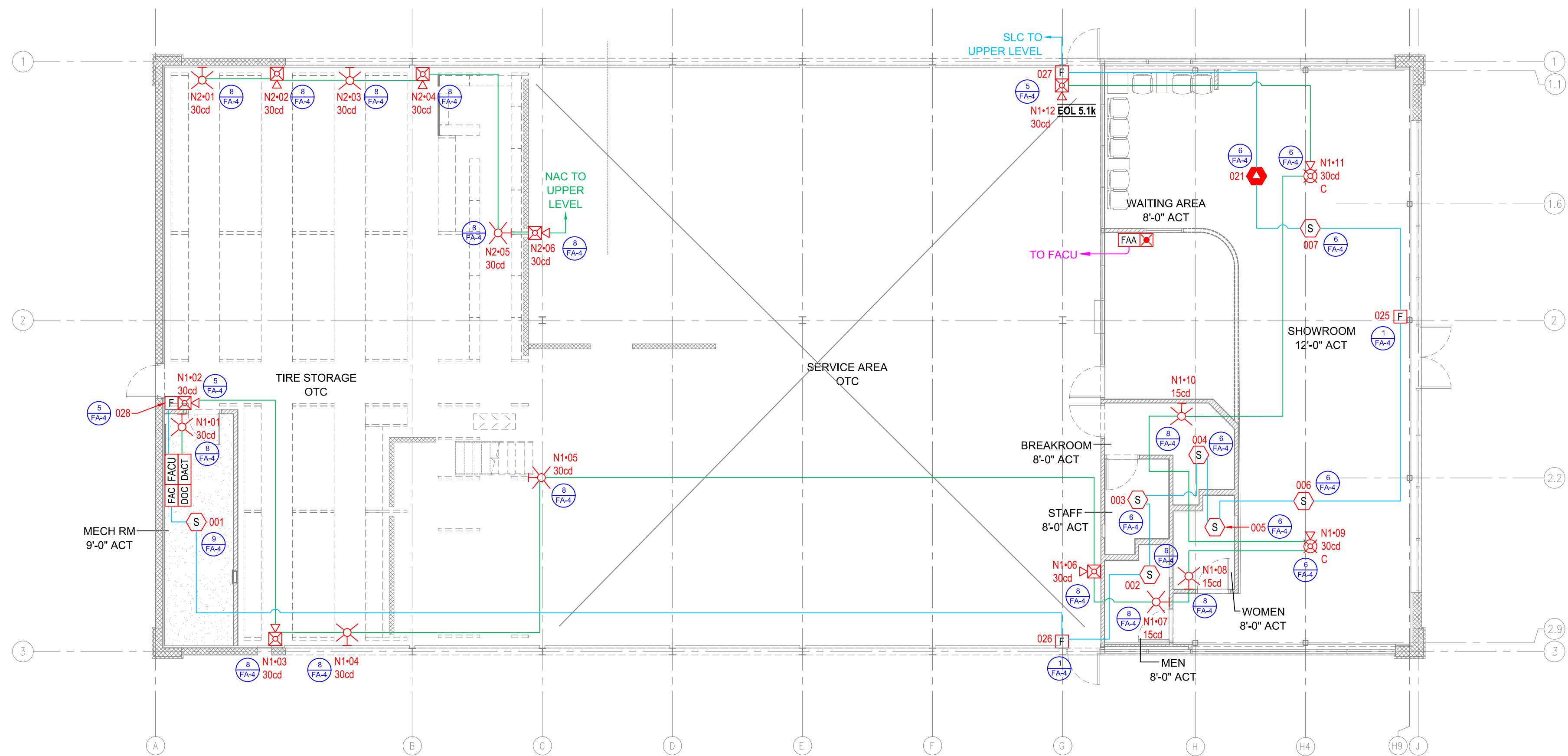
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UPPER LEVEL FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"



LOWER LEVEL FIRE ALARM PLAN
SCALE: 1/8" = 1'-0"

DEVICE LEGEND

DEVICE LEGEND					
SYMBOL	QUANTITY	IS EXISTING	MANUFACTURER	PART NO	DESCRIPTION
	1		BOSCH	B465	UNIVERSAL DUAL PATH COMMUNICATOR
	1		POTTER	AFC-50	FIRE ALARM CONTROL PANEL
	1		POTTER	PAD100-OROI	ONE RELAY ONE INPUT MODULE
	4		POTTER	PAD100-PSSA	ADDRESSABLE PULL STATION SINGLE ACTION
	1		POTTER	PAD300-CD	CARBON-MONOXIDE DETECTOR
	4		POTTER	PAD300-HD	FIXED TEMPERATURE HEAT SENSOR
	11		POTTER	PAD300-PD	PHOTOELECTRIC SMOKE SENSOR
	1		POTTER	RA-6075	LCD ANNUNCIATOR
	1		POTTER	UD-2000	PFC SERIES DIGITAL ALARM COMMUNICATOR TRANSMITTER
	1		SPACE AGE ELECTRONICS	SSU00672	FIRE ALARM DOCUMENT BOX, RED 12" X 13" TALL 2 1/4 DEEP
	1		SUPPLIED BY OTHERS	SL-2000-P	4-WIRE PHOTOELECTRIC LOW-FLOW DUCT SMOKE DETECTOR
	7		SYSTEM SENSOR	P2RLED	2-WIRE, HORN STROBE, RED
	3		SYSTEM SENSOR	PC2RLED	2-WIRE, HORN STROBE, RED
	1		SPACE AGE ELECTRONICS	MSR-50RKW	REMOTE TEST STATION W/ SWITCH, ALARM & POWER LEDS, KEY RESET
	5		SYSTEM SENSOR	SCRLED	STROBE, RED
	9		SYSTEM SENSOR	SRLED	STROBE, RED

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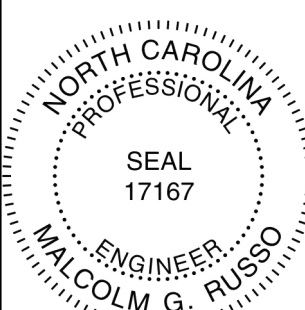
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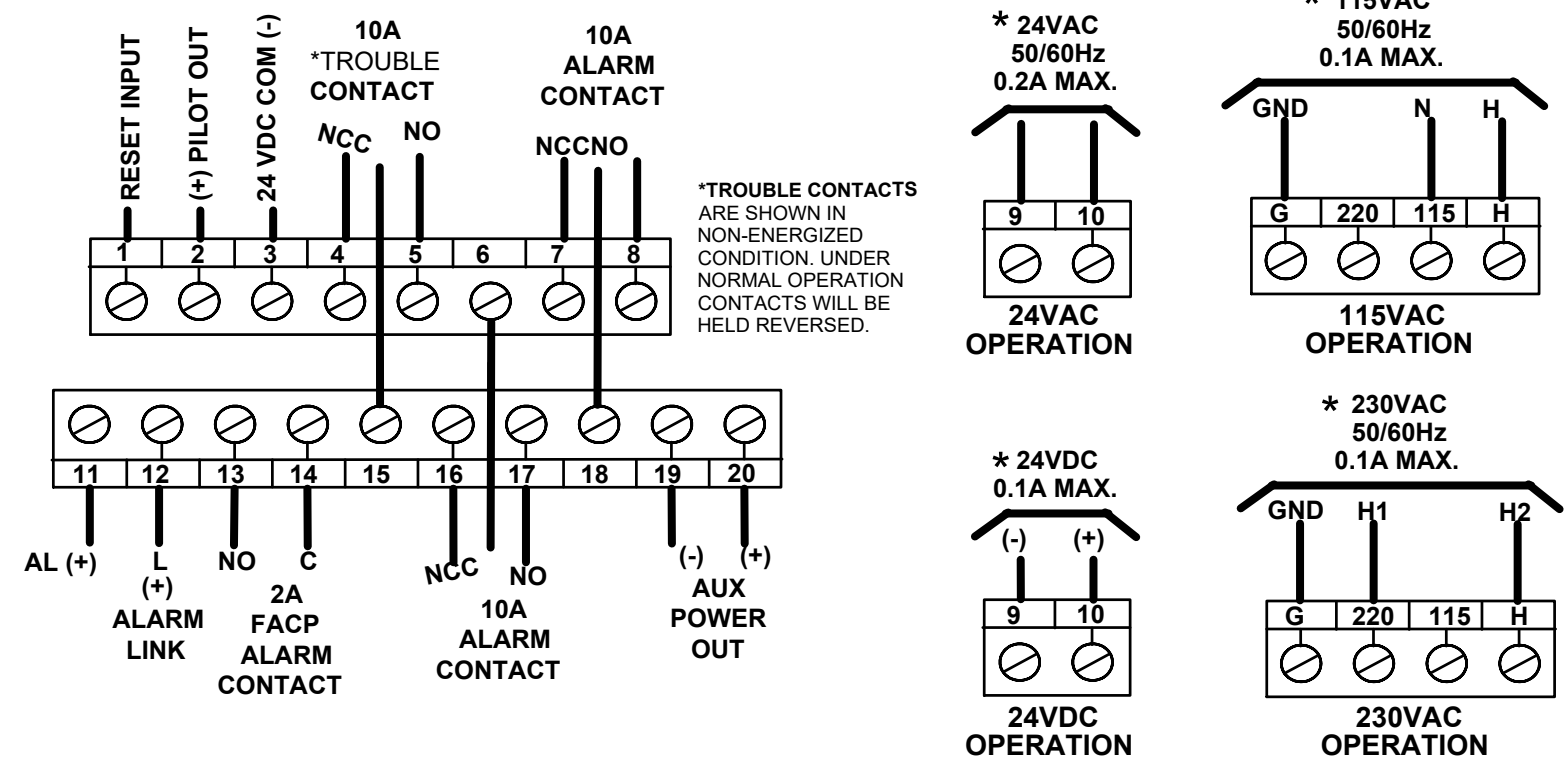
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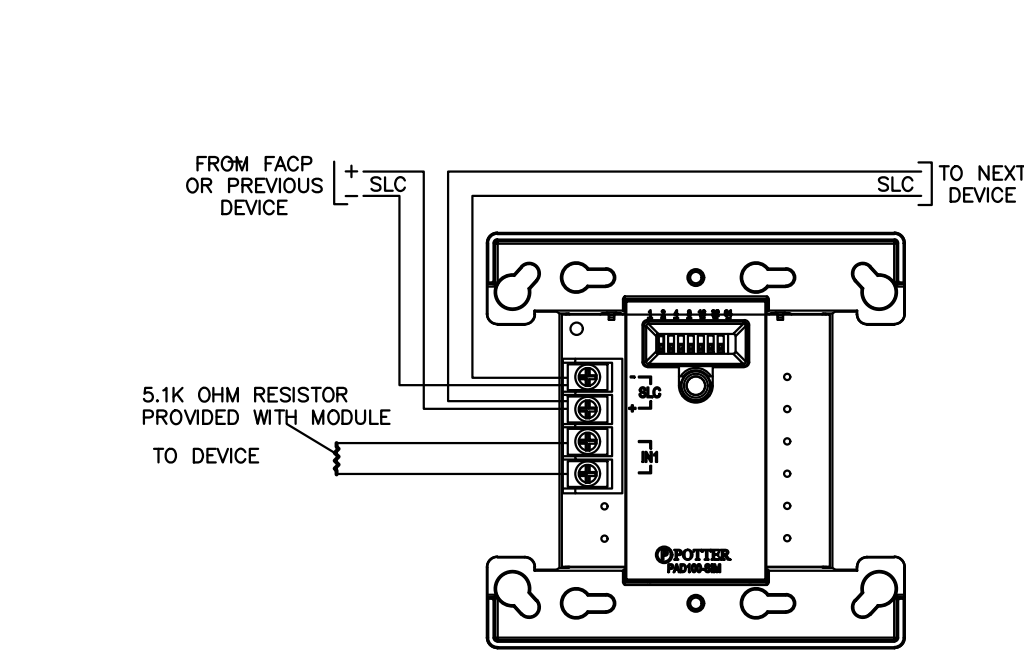
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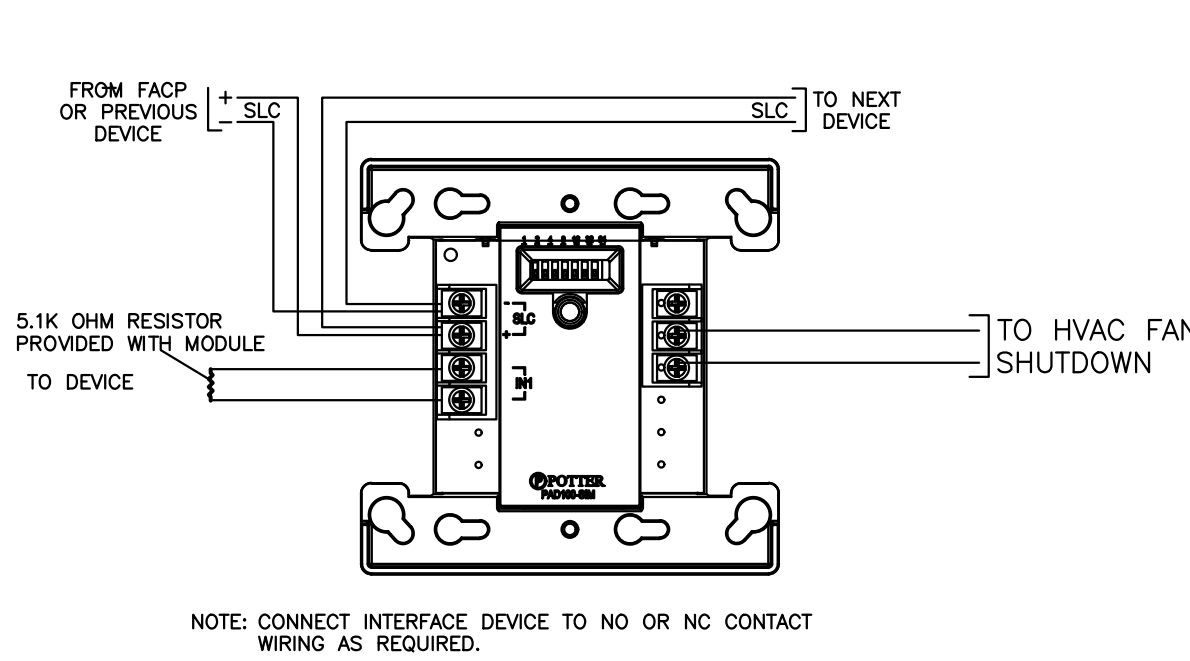
DEVICE
DETAILS



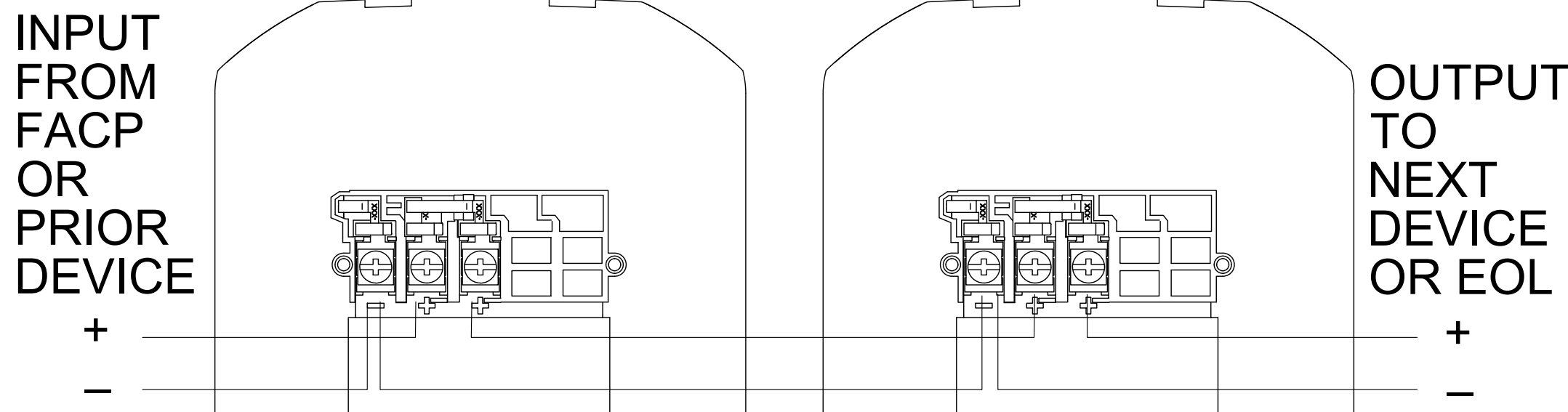
AIR PRODUCTS SL-2000 DUCT SMOKE DETECTOR
WIRING DIAGRAM



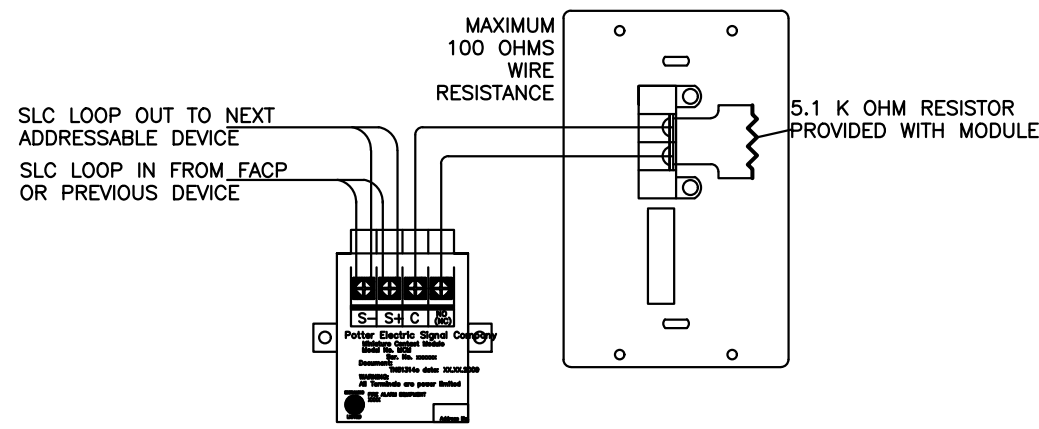
PAD100-SIM SINGLE INPUT
MONITOR MODULE
WIRING DIAGRAM



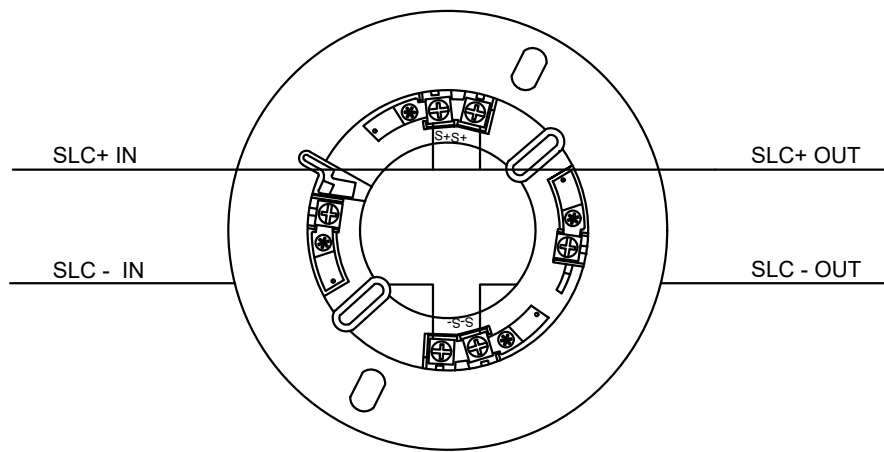
PAD100-OROI ONE RELAY
ONE INPUT MODULE
WIRING DIAGRAM



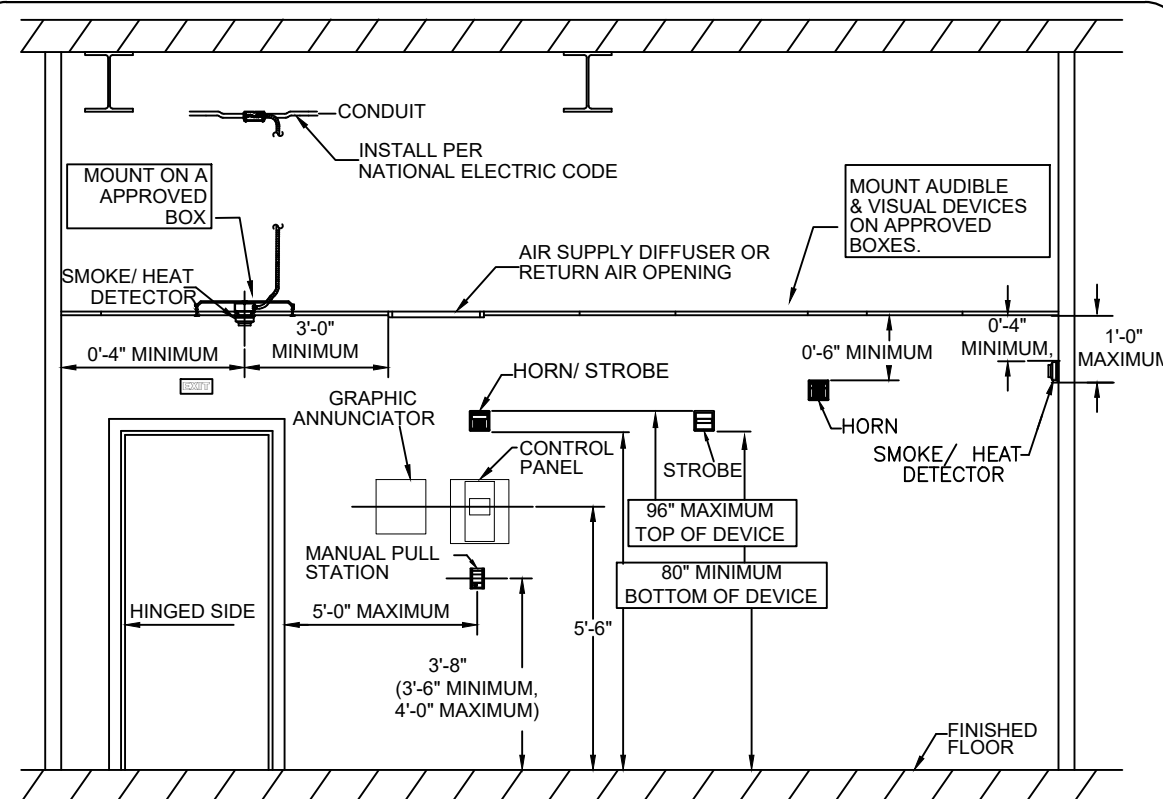
SYSTEM SENSOR 2-WIRE STROBE AND
HORN/STROBE NOTIFICATION APPLIANCES



PAD100-PSSA/PSDA PULL STATION
WIRING DIAGRAM



PAD100-6B DETECTOR BASE
WIRING DIAGRAM



NFPA 72 AND ADA DEVICE
INSTALLATION REQUIREMENTS

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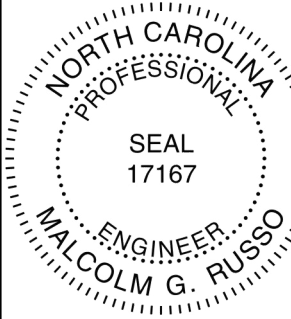
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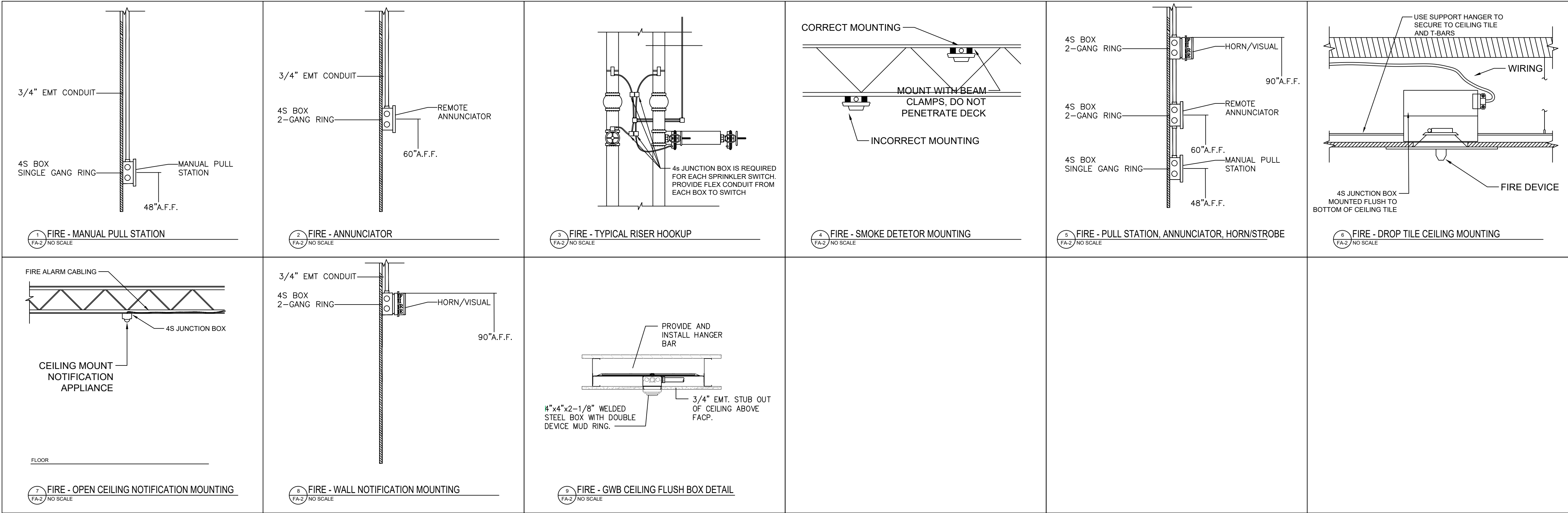


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FIRE ALARM PLAN NOTES

- THIS SYSTEM WILL BE INSTALLED AND TESTED IN ACCORDANCE WITH NFPA 72 AND ALL WIRING WILL CONFORM TO NFPA 70 ARTICLE 760
- ALL FIRE ALARM CABLING SHALL BE ROUTED THROUGH CONDUIT FROM DEVICES TO BOTTOM OF THE BAR JOIST. AT THAT POINT CABLING SHALL BE RUN EXPOSED ALONG THE CEILING IF ACCEPTABLE BY THE AHJ.
- MOUNT FIRE ALARM CONTROL PANEL 70" AFF TO TOP.
- MOUNT KEYPAD / ANNUNCIATOR 4'-6" AFF TO CENTER. REFER TO DETAIL 3/E-100 FOR LOCATION.
- MOUNT MANUAL PULL STATIONS AT 48" AFF TO TOP OF BOX.
- MOUNT ELECTRONIC HORNS / STROBES AT 80" AFF TO THE BOTTOM.
- MOUNT CONTROL RELAYS WITHIN 3'-0" OF THE CONTROLLER.
- ALL INITIATION AND NOTIFICATION CIRCUITS SHALL BE SUPERVISED.
- OBSERVE ALL DEVICE POLARITIES.
- THE PANEL SHALL NOT BE USED TO POWER ANY UNAUTHORIZED EXTERNAL DEVICE.
- VERIFY ALL DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- THE ELECTRICAL CONTRACTOR WILL COORDINATE DEVICE BOX SIZES AND CONDUIT LOCATIONS PRIOR TO ROUGH IN.
- THE ELECTRICAL CONTRACTOR WILL SUPPLY AND INSTALL ALL BOXES AND CONDUITS FROM THE OUTLET BOX TO ABOVE FINISH CEILING, WITH PULL STRING AND ANTI-SHORT BUSHING, FOR THE FIRE ALARM SYSTEM.
- PROVIDE WIRE GUARDS FOR ANY DETECTORS INSTALLED UNDER THE RACKING SYSTEM.
- SUBSTITUTION OF THE FIRE ALARM CONTROL PANEL AND/OR COMMUNICATOR IS NOT PERMITTED.
- FOR SURFACE MOUNTED HORN/STROBES, PROVIDE SURFACE MOUNT BACK BOX, SBBRL.
- FOR SURFACE MOUNTED PULL STATIONS, PROVIDE SURFACE MOUNTED BACK BOX, 5140MPS-BB.
- DO NOT SURFACE MOUNT CONDUIT TO STRUCTURAL COLUMN(S) IN SHOWROOM. DRILL COLUMN AT PULL STATION LOCATION AND ABOVE FINISHED CEILING. ROUTE CABLE THROUGH STRUCTURAL COLUMN.
- THE INSTALLING CONTRACTOR WILL BE REQUIRED TO REGISTER AND ACTIVATE BOTH THE CELLULAR CONNECTION AND THE THE INSTALLING CONTRACTOR WILL BE REQUIRED TO REGISTER AND ACTIVATE BOTH THE CELLULAR CONNECTION AND THE ALARM SYSTEM ITSELF. FE MORAN SECURITY SOLUTIONS LLC DOES NOT COME ON SITE BUT WILL PROVIDE SUPPORT. THE INSTALLING CONTRACTOR MUST TEST AND CONFIRM ALL DEVICES HAVE BEEN RECEIVED AT THE MONITORING STATION TO COMPLETE THE ACTIVATION PROCESS.
- NOTIFICATION DEVICES SHALL NOT BE INSTALLED ON THE WALL IN THE WAITING ROOM WHERE GRAPHICS ARE DISPLAYED. NOTIFICATION DEVICES SHALL NOT BE INSTALLED ON THE WALL IN THE WAITING ROOM WHERE GRAPHICS ARE DISPLAYED. ONLY CEILING DEVICES SHALL BE USED.

ELECTRICAL CONTRACTOR NOTES

- MAVIS TIRE HAS A NATIONAL CONTRACT FOR THE DESIGN, INSTALLATION, AND MONITORING OF THE FIRE ALARM SYSTEMS. THE CONTRACTOR SHALL COORDINATE ALL POWER AND CONDUIT REQUIREMENTS WITH VECTOR SECURITY INC.
- VECTOR SECURITY INC. GAINESVILLE, VA 20150: 703-468-6100
- ELECTRICAL CONTRACTOR SHALL COORDINATE/VERIFY WITH THE FIRE ALARM CONTRACTOR AND SUPPLY THE CONNECTION OF ALL HARD WIRED POWER SUPPLIES AND CONTROLS. TYPICALLY THERE IS ONE (1) FIRE ALARM CONTROL PANEL AND ONE (1) POWER SUPPLY.
- INSTALL 4X4X2 BOX WITH SINGLE GANG RING AT 48"AFF TO CENTER WITH 3/4" EMT STUB UP TO BAR JOIST OR ABOVE DROP TILE CEILING FOR MANUAL PULL STATIONS. REFER TO DETAIL 23
- INSTALL 4X4X2 BOX 60"AFF TO CENTER WITH 3/4" EMT STUB UP TO BAR JOIST OR ABOVE DROP TILE CEILING FOR ANNUNCIATOR. REFER TO DETAIL 24
- INSTALL 4X4X2 BOX 90"AFF TO TOP OF BOX WITH 3/4" EMT STUB UP TO BAR JOIST OR ABOVE DROP TILE CEILING FOR NOTIFICATION APPLIANCES. REFER TO DETAIL 30
- THE ELECTRICAL CONTRACTOR WILL SUPPLY AND INSTALL ALL BOXES AND CONDUITS FROM THE OUTLET BOX TO ABOVE FINISH CEILING, WITH PULL STRING AND ANTI-SHORT BUSHING, FOR THE FIRE ALARM SYSTEM.
- INSTALL 4X4X2 BOX WITH T-BAR SUPPORT FOR ALL SUSPENDED CEILING FIRE ALARM DEVICES. BOX SHALL BE CENTERED IN TILE. REFER TO DETAIL 28.
- MECHANICAL CONTRACTOR IS TO WIRE THE FAN SHUT DOWN AND PROVIDE WIRING FROM SMOKE DETECTOR TO RTU CONTROL BOARD ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

INSPECTION NOTES

- HAVE CURRENT NFPA 72 CERTIFICATION OF COMPLETION FORM TO FILL OUT DURING INSPECTION.
- HAVE EQUIPMENT TO TEST SMOKE, HEAT, AND CARBON MONOXIDE DETECTORS.
- TEST EACH DEVICE REQUIRED BY THE INSPECTOR BY THE APPROPRIATE METHOD AS DESCRIBED IN NFPA 72 CHAPTER 14.
- DOCUMENT BOX MUST CONTAIN LATEST SET OF AS-BUILT PLANS/RECORD DRAWINGS.
- COORDINATE TIME OF INSPECTION WITH OTHER REQUIRED TRADES LIKE HVAC AND SPRINKLER.
- ENSURE FIRE ALARM SYSTEM IS ON TEST WITH THE MONITORING COMPANY.
- COMPLETE NFPA 72 CERTIFICATION OF COMPLETION FORM AND LEAVE A COPY IN THE DOCUMENT BOX ON SITE

REVISIONS

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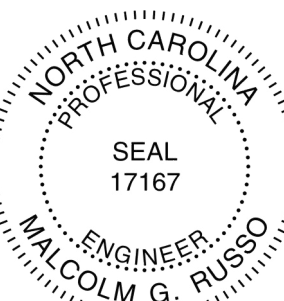
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FIRE ALARM SYSTEM

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