

ALTIS SERENITY CLUBHOUSE

325 STREAMSIDE TERRACE,
FUQUAY-VARINA, NC 27526

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These plans have been reviewed for compliance with plans prepared by Angus Clark Engineering PC dated 03/16/2026.
The plans are APPROVED.
Angus Clark PE
04/10/2026

Reviewed for Fire Code Compliance
Harnett County
Leslie Jackson
04/20/2026 11:55:09 AM



New Fire Alarm System Scope of Work:

THIS SCOPE OF WORK INCLUDES THE INSTALLATION OF A NEW FIRE ALARM SYSTEM PER SIGNED AND SEALED DESIGN PROVIDED BY NC PROFESSIONAL ENGINEER ANGUS M. CLARK DATED 3/16/26. THE SYSTEM IS TO INCLUDE BUT IS NOT LIMITED TO: FIRE ALARM CONTROL UNIT, 1 REMOTE POWER SUPPLY, 2 REMOTE ANNUNCIATORS, 3 SMOKE DETECTORS, 2 MANUAL PULL STATIONS, 2 MONITOR MODULES, AND 30 OCCUPANT NOTIFICATION APPLIANCES. TEST AND INSPECT THE FULL SYSTEM WITH THE OWNERS REPRESENTATIVES AND THE HARNETT COUNTY FIRE DEPARTMENT TO ENSURE PROPER FUNCTION AND OPERATION.

OCCUPANCY TYPE: A3
OCCUPANCY LOAD: 368
SQUARE FOOTAGE: 9,542 SF.
SPRINKLER SYSTEM: YES

System Test Plan

FIRE SYSTEM TEST PLAN DOCUMENTATION
(ALL SYSTEM TESTING IS PER NFPA 72 SECTION 14)

THE FOLLOWING EQUIPMENT SHALL BE TESTED AS FOLLOWS:

COMPONENT	FREQUENCY
FACU	ANNUALLY
REMOTE ANNUNCIATOR	ANNUALLY
SMOKE SENSOR	ANNUALLY
HEAT SENSOR	ANNUALLY
CO SENSOR	ANNUALLY
MANUAL PULL STATION	ANNUALLY
DUCT MOUNTED SMOKE SENSOR	ANNUALLY
CONTROL RELAY	ANNUALLY
MONITOR MODULE	ANNUALLY
NOTIFICATION APPLIANCE	ANNUALLY

TEST ALL ABOVE EQUIPMENT PER NFPA 72 CHAPTER 14 FOR INITIAL ACCEPTANCE, FUTURE TESTING FREQUENCY, AND METHOD OF TESTING EQUIPMENT. KEEP ALL PAPERWORK PERTAINING TO THIS PROJECT IN DOCUMENTATION CABINET.

- ### INSTALLATION GENERAL NOTES
- NUMBERS ADJACENT TO DEVICE SYMBOLS DENOTE DEVICE CIRCUIT/ADDRESS. ALL ADDRESSABLE DEVICES INCLUDING BUT NOT LIMITED TO SMOKE DETECTORS, PULL STATIONS, INTERFACE MODULES MUST BE PROGRAMMED WITH DEVICE ADDRESS PRIOR TO INSTALLATION.
 - DETECTION AND NOTIFICATION CIRCUIT POLARITY SHALL BE OBSERVED.
 - AUDIBLE/VISUAL CIRCUIT WIRING IS SUPERVISED. NO PARALLEL BRANCHING (T-TAPPING) IS PERMISSIBLE UNLESS USING ADDRESSABLE NOTIFICATION APPLIANCES.
 - WIRE RUNS SHOWN DIAGRAMMATICALLY. EXACT LOCATION IS TO BE DETERMINED IN THE FIELD.
 - THE FIRE ALARM SYSTEM SHOWN HAS BEEN DESIGNED PER THE REQUIREMENTS OF NFPA 72, NFPA 70, IFC (SEE EXISTING CODE SUMMARY FOR EXISTING SYSTEM)
 - INSTALLATION MATERIALS (I.E. CONDUIT, WIRE, FITTINGS, HANGERS, AND STANDARD BOXES) ARE NOT SUPPLIED BY FIRE ALARM PANEL SUPPLIER.
 - DETECTORS SHALL NOT BE MOUNTED IN DIRECT AIR STREAM OF AIR SUPPLY OUTLETS.
 - WIRING SHALL BE PER PLAN WITH RESPECT TO CONDUCTOR SIZE, TYPE, QUANTITY AND COLOR CODE. CONDUCTORS SHALL BE PERMANENTLY MARKED FOR FUTURE IDENTIFICATION.
 - INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR "AS BUILT" PURPOSES.
 - FOR ADDITIONAL INSTALLATION INSTRUCTIONS, REFER TO CATALOG CUT SHEETS AND/OR INSTALLATION INSTRUCTIONS.
 - 120vac POWER SHALL NOT BE APPLIED TO FIRE ALARM PANEL WITHOUT DIRECT SUPERVISION OF TECHNICIAN.
 - ALL HORN/STROBE AND STROBE DEVICES SHALL BE MOUNTED AT A HEIGHT OF 80" A.F.F. OR 6" BELOW DROPPED CEILING, WHICHEVER IS LESS.
 - ALL MANUAL PULL STATIONS SHALL BE MOUNTED AT A HEIGHT OF 48" ABOVE FINISHED FLOOR.
 - SMOKE DETECTORS MOUNTED ON A WALL SHALL BE INSTALLED WITH THE TOP OF THE DETECTOR NOT LESS THAN 4" (102 mm) NOR MORE THAN 12" (305 mm) BELOW THE FINISHED CEILING.
 - SMOKE DETECTORS SHALL BE INSTALLED NOT LESS THAN 1" FROM ANY FLOORESCENT LIGHT SOURCE AND 3" FROM ANY SUPPLY OR RETURN GRILLES.
 - ALL ADDRESSABLE DEVICES (SMOKE DETECTORS PULL STATION, INTERFACE MODULES, ETC.) SHALL BE PROGRAMMED PRIOR TO INSTALLATION.
 - STROBE CANDELA SETTINGS SHALL BE SET AS SHOWN ON DRAWINGS PRIOR TO INSTALLATION. IF CANDELA SETTING IS NOT SHOWN THEN STROBE CANDELA SHALL BE SET AT 15cd (FACTORY DEFAULT).
 - EXACT LOCATION OF DUCT SMOKE DETECTORS SHALL BE COORDINATED IN THE FIELD WITH THE MECHANICAL CONTRACTOR. DUST COVERS MUST NOT BE REMOVED PRIOR TO STARTUP OF THE AIR HANDLING SYSTEM.
 - SPEAKER WATTAGE TAPS SHALL BE SET AS SHOWN ON DRAWINGS PRIOR TO INSTALLATION. IF WATTAGE TAP IS NOT SHOWN THEN SPEAKERS SHALL BE TAPPED AT 1/2 WATT. SET SPEAKER VOLTAGE TO 70V.
 - PER NFPA 72, DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEAN-UP OF ALL TRADES IS COMPLETE AND FINAL EXCEPTION WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION FOR PROTECTION DURING CONSTRUCTION. DETECTORS THAT HAVE BEEN INSTALLED PRIOR TO FINAL CLEAN-UP BY ALL TRADES SHALL BE CLEANED OR REPLACED (IN ACCORDANCE WITH NFPA 72).
 - WIRING SHALL RUN CONTINUOUS FROM FACU TO FIRST DEVICE ON A CIRCUIT AND THEN FROM DEVICE TO DEVICE WITHOUT SPLICING IN PULL BOXES OR OTHER BACK BOXES OF DIFFERENT CIRCUITS.
 - ALL CABLES SHALL BE MARKED AS INDICATED ON FIRE ALARM RISER WITH A PERMANENT LABEL AT ALL DEVICES, JUNCTION BOXES AND FACU.
 - THE ELECTRICAL CONTRACTOR SHALL CLEAN ALL DIRT AND DEBRIS FROM THE OUTSIDE AND INSIDE OF THE FIRE ALARM BACK BOXES AND JUNCTION BOXES AFTER COMPLETION OF THEIR INSTALLATION.
 - DETECTORS MUST BE RATED FOR TEMPERATURE IN THE ENVIRONMENT IN WHICH IT IS LOCATED.
 - ALL WIRING BETWEEN FLOORS SHALL BE LOCATED IN CONDUIT.

APPLICABLE CODES AND STANDARDS PER THIS DESIGN

2018 NORTH CAROLINA STATE BUILDING CODE
2018 NORTH CAROLINA STATE BUILDING CODE - ENERGY CONSERVATION CODE
2018 NORTH CAROLINA STATE BUILDING CODE - MECHANICAL CODE
2018 NORTH CAROLINA STATE BUILDING CODE - PLUMBING CODE
2018 NORTH CAROLINA STATE BUILDING CODE - FUEL GAS CODE
2018 NORTH CAROLINA STATE BUILDING CODE - FIRE PREVENTION CODE
2020 NORTH CAROLINA STATE BUILDING CODE - ELECTRICAL CODE
2009 ICC ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ALL LOCAL CODES, AMENDMENTS AND ORDINANCES

SYSTEM OPERATING MATRIX

SYSTEM INPUTS	SYSTEM OUTPUTS	
	PANEL ANNUNCIATION	NOTIFICATION
MANUAL PULL STATIONS	•	•
AREA SMOKE SENSORS	•	•
SPRINKLER WATERFLOW	•	•
SPRINKLER TAMPER VALVE	•	•
HOTBOX TAMPER VALVE	•	•
HOTBOX LOW TEMP SENSOR	•	•
AC POWER FAIL	•	•
LOW BATTERY	•	•
OPEN CIRCUIT	•	•
SHORT CIRCUIT	•	•

DRAWING INDEX

FAS - 01	COVER SHEET
FAS - 02	DEVICE LAYOUT FLOOR PLAN RISER DETAIL
FAS - 03	BATTERY AND VOLTAGE DROP CALCULATIONS DEVICE LEGEND
FAS - 04	FIRE ALARM COMPONENTS WIRING DIAGRAMS

SOUND PRESSURE LEVEL

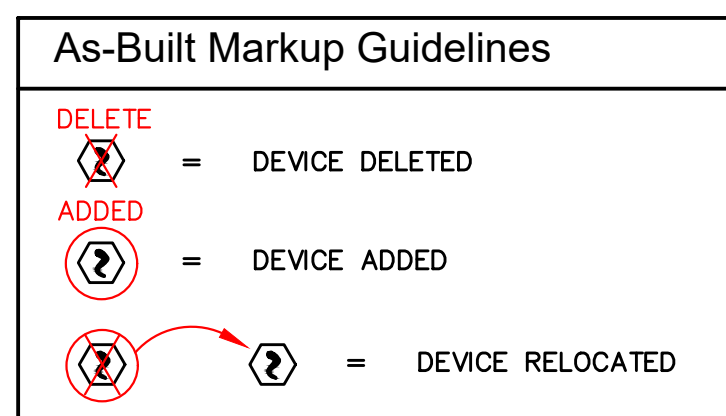
(BASED ON TABLE A.18.4.4, NFPA 72, 2019 EDITION)
AUDIBLE NOTIFICATION APPLIANCES ARE TO PROVIDE 3-PULSE TEMPORAL PATTERN EVACUATION SIGNAL
AVERAGE AMBIENT SPL = 55dBA
REQUIRED SPL = 70dBA

AVERAGE AMBIENT SOUND LEVEL ACCORDING TO LOCATION

LOCATION	AVERAGE AMBIENT SOUND LEVEL (dBA)
BUSINESS OCCUPANCIES	54
EDUCATIONAL OCCUPANCIES	45
INDUSTRIAL OCCUPANCIES	86
INSTITUTIONAL OCCUPANCIES	50
MERCANTILE OCCUPANCIES	40
MECHANICAL ROOMS	91
PIERS AND WATER SURROUNDED STRUCTURES	40
PLACES OF ASSEMBLY	80
RESIDENTIAL OCCUPANCIES	35
STORAGE OCCUPANCIES	30
THOROUGHFARES, HIGH-DENSITY URBAN	70
THOROUGHFARES, MEDIUM-DENSITY URBAN	55
THOROUGHFARES, RURAL AND SUBURBAN	40
TOWER OCCUPANCIES	35
UNDERGROUND STRUCTURES AND VEHICLES AND VESSELS	40
	50

- ### CHECKLIST FOR START UP
- THE FOLLOWING IS A LIST OF CRITERIA THAT MUST BE MET PRIOR TO START UP
- MARK-UP THE SHOP DRAWINGS, SHOWING THE ACTUAL WIRE RUNS. NOTE ANY DISCREPANCIES/CHANGES BETWEEN THE ACTUAL CONDITIONS AND THE SYSTEM DRAWINGS SHOULD BE NOTED FOR INCLUSION ON THE FINAL AS-BUILT DRAWINGS OF RECORD.
 - ALL DEVICES HAVE BEEN INSTALLED AND TERMINATED PROPERLY.
 - IF YOUR SYSTEM IS BEING FURNISHED WITH A DEALER, (2) RJ45 PHONE JACKS MUST BE INSTALLED WITHIN 3FT. OF THE F.A.C.P. THESE PHONE LINES MUST BE CONNECTED BEFORE TO ALL BUILDING PHONE EQUIPMENT (NO 1" PREFIX), AND SHOULD HAVE NO DIAL-OUT RESTRICTIONS. BE SURE TO NOTE CENTRAL STATION ACCOUNT NUMBER, RECEIVER PHONE NUMBERS, CENTRAL STATION VOICE LINE NUMBER AND ALARM COMPANY PHONE NUMBER.
 - ALL FIELD DEVICES, SMOKE DETECTORS, MONITOR MODULES, CONTROL MODULES, NOTIFICATION APPLIANCES BOTH VISUAL AND AUDIBLE ARE ADDRESSED AND OUTPUT SET (AS REQUIRED) AND INSTALLED.
- #### CHECK FIELD WIRING WITH AN OHM METER:
- ALL FIRE ALARM CIRCUITS SHOULD BE COMPLETED AND TESTED BEFORE THE ARRIVAL OF THE FIRE ALARM TECHNICIAN. CIRCUITS MUST BE FREE OF OPENS, SHORTS, AND GROUND FAULTS BEFORE BEING CONNECTED TO THE SYSTEM. CIRCUITS SHOULD HAVE END OF LINE RESISTORS INSTALLED BEFORE TESTING. THEIR ADHERENCE TO THIS PRACTICE WILL SAVE TIME AND MONEY FOR ALL CONCERNED PARTIES. IF IT IS A MISC CIRCUIT, THE RESISTOR IS WITH THE EQUIPMENT THAT CONTROLS THAT CIRCUIT.
- A GROUND FAULT IS A CONDUCTOR THAT IS CONNECTED TO GROUND. THEY CAN OCCUR FROM SKINNED INSULATION OR INTERNAL DEVICE FAILURES. FIRE ALARM SYSTEMS MONITOR BOTH THE POSITIVE AND NEGATIVE CONDUCTORS FOR SHORTS TO GROUND. SHORTS CAN BE DETECTED BY USING A CONTINUITY DETECTOR OR AN OHMMETER. SIMPLY CONNECT ONE LEAD OF YOUR METER TO A GOOD GROUND SOURCE AND THE OTHER TO THE CONDUCTOR YOU ARE TRYING TO TEST. THE METER SHOULD GIVE AN INDICATION OF AN OPEN IF THE CIRCUIT IS FREE FROM A FAULT. ALL SYSTEM FIELD WIRING MUST BE FREE OF GROUNDS AND SHORTS, BEFORE THE START UP.
- MEASURE EACH CONDUCTOR OF THE ADDRESSABLE LOOP (SLC) TO GROUND, CONDUCTOR TO CONDUCTOR, CONDUCTOR TO SHIELD, AND SHIELD TO EARTH. THE RESISTANCE SHOULD BE GREATER THAN 1 MEGA OHM. NOTE: LINE TO LINE MEASUREMENTS REQUIRE ONE END OF THE PAIR TO BE SHORTED. STRAY VOLTAGES SHOULD BE LESS THAN 1 VDC/AC. RECORD THE READINGS.
 - MEASURE EACH CONDUCTOR OF THE NOTIFICATION APPLIANCE CIRCUIT (NAC) TO GROUND, AND CONDUCTOR TO CONDUCTOR. THE RESISTANCE SHOULD BE GREATER THAN 1 MEGA OHM, WITHOUT THE END OF LINE RESISTOR. STRAY VOLTAGES SHOULD BE LESS THAN 1 VDC/AC. RECORD THE READINGS.
 - MEASURE ACROSS THE CONDUCTORS OF A NOTIFICATION APPLIANCE CIRCUIT (NAC), YOUR READING SHOULD BE EQUIVALENT TO THE VALUE OF THE END OF LINE RESISTOR INSTALLED AT THE LAST DEVICE.
- IF THE MEASUREMENTS ARE NOT WITHIN THE ACCEPTABLE VALUES, THE CIRCUIT WIRING HAS A SHORT OR AN OPEN, AND IS NOT READY FOR START UP.

- ### WIRE SELECTION AND REQUIREMENTS
- PLENUM CABLE VS. NON-PLENUM**
THE NEC RECOGNIZES 3 TYPES OF POWER LIMITED FIRE ALARM CABLING:
- FPL - THIS IS A GENERAL USE POWER LIMITED FIRE ALARM CABLE. IT CANNOT BE USED IN A PLENUM SPACE OR FOR RISERS (CABLING BETWEEN FLOORS).
 - FPLR - THIS IS A POWER LIMITED RISER RATED CABLE THAT CAN BE USED FOR GENERAL PURPOSES OR BETWEEN FLOORS. IT CANNOT BE USED IN A PLENUM SPACE.
 - FPLP - THIS IS A POWER LIMITED CABLE THAT CAN BE USED IN A PLENUM, RISER, OR FOR GENERAL PURPOSES.
- A PLENUM IS ANY AREA USED TO CONDUCT ENVIRONMENTAL AIR. PLENUM SPACES CAN BE DUCTWORK, THE SPACE ABOVE A DROP CEILING, OR BELOW A RAISED FLOOR. BECAUSE THESE SPACES ARE BEING USED FOR THE AIR HANDLING SYSTEM THERE ARE STRICT RULES THAT MUST BE FOLLOWED TO REDUCE THE RISK OF INTRODUCING TOXIC FUMES IN THE EVENT OF A FIRE. SMOKE FIRE ALARM CABLING IS OFTEN INSTALLED EXPOSED, WITHOUT CONDUIT, ABOVE DROP CEILING THE CABLING MUST BE RATED FOR USE IN A PLENUM SPACE.
- CIRCUIT MARKING**
THE EQUIPMENT SHALL BE DURABLY MARKED WHERE PLAINLY VISIBLE TO INDICATE EACH CIRCUIT THAT IS A POWER-LIMITED FIRE ALARM CIRCUIT.
- EXCEPTION WHERE A POWER-LIMITED CIRCUIT IS TO BE RECLASSIFIED AS A NON-POWER-LIMITED CIRCUIT.
- SUPPORT OF CONDUCTORS**
POWER-LIMITED FIRE ALARM CIRCUIT CONDUCTORS SHALL NOT BE STRAPPED, TAPED, OR ATTACHED BY ANY MEANS TO THE EXTERIOR OF ANY CONDUIT OR OTHER RACEWAY AS A MEANS OF SUPPORT.
- WIRE ROUTING**
SEPARATION FROM ELECTRIC LIGHT, POWER, CLASS 1, NPLFA, AND MEDIUM POWER NETWORK-POWERED BROADBAND COMMUNICATIONS CIRCUIT CONDUCTORS.
- (A) GENERAL. POWER-LIMITED FIRE ALARM CIRCUIT CABLES AND CONDUCTORS SHALL NOT BE PLACED IN ANY CABLE, CABLE TRAY, COMPARTMENT, ENCLOSURE, MANHOLE, OUTLET BOX, DEVICE BOX, RACEWAY, OR SIMILAR FITTING WITH CONDUCTORS OF ELECTRIC LIGHT, POWER, CLASS 1, NON-POWER-LIMITED FIRE ALARM CIRCUITS, AND MEDIUM POWER NETWORK-POWERED BROADBAND COMMUNICATIONS CIRCUITS.
- IN HOISTWAYS, POWER-LIMITED FIRE ALARM CIRCUIT CONDUCTORS SHALL BE INSTALLED IN RIGID METAL CONDUIT, RIGID NONMETALLIC CONDUIT, INTERMEDIATE METAL CONDUIT, LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT, OR OTHER SPACES USED FOR ELEVATORS OR SIMILAR EQUIPMENT. THESE CONDUCTORS SHALL BE PERMITTED TO BE INSTALLED.
- CABLES INSTALLED IN DUCTS, PLENUMS, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR SHALL BE TYPE FPLP. ABANDONED CABLES SHALL NOT BE PERMITTED TO REMAIN. TYPES FPLR, FPLR, AND FPL CABLES SHALL BE PERMITTED.
- CABLES INSTALLED IN VERTICAL RUNS AND PENETRATING MORE THAN ONE FLOOR, OR CABLES INSTALLED IN VERTICAL RUNS IN A SHAFT, SHALL BE TYPE FPLR. FLOOR PENETRATIONS REQUIRING TYPE FPLR SHALL CONTAIN ONLY CABLES SUITABLE FOR RISER OR PLENUM USE. ABANDONED CABLES SHALL NOT BE PERMITTED TO REMAIN.
- GENERAL REFERENCE NOTE REGARDING FPLR PER NFPA 70 (NATIONAL ELECTRIC CODE)**
TYPE FPLR: TYPE FPLR POWER-LIMITED FIRE ALARM PLENUM CABLE SHALL BE LISTED AS BEING SUITABLE FOR USE IN DUCTS, PLENUMS, AND OTHER SPACES USED FOR ENVIRONMENTAL AIR AND SHALL ALSO BE LISTED AS HAVING ADEQUATE FIRE-RESISTANT AND LOW SMOKE-PRODUCING CHARACTERISTICS.
TYPE FPLR: TYPE FPLR POWER-LIMITED FIRE ALARM RISER CABLE SHALL BE LISTED AS BEING SUITABLE FOR USE IN A VERTICAL RUN IN A SHAFT OR FROM FLOOR TO FLOOR AND SHALL ALSO BE LISTED AS HAVING FIRE-RESISTANT CHARACTERISTICS CAPABLE OF PREVENTING THE SPREADING OF FIRE FROM FLOOR TO FLOOR.



INSTALLATION GUIDELINES

THE UL LISTED OPERATING TEMPERATURE RANGE FOR ALL ADDRESSABLE DEVICES (FP-11'S, TRS, PFI-11'S, ETC.) IS FROM 32F (0C) TO 100F (38C). IF A DEVICE IS SHOWN IN AN AREA WHICH MAY EXPERIENCE EXTREME COLD OR HEAT, CONTACT YOUR FIRE ALARM EQUIPMENT SUPPLIER REPRESENTATIVE.

GENERAL RULE: IF IT IS UNCOMFORTABLE FOR YOU, THE DEVICE WILL PROBABLY NOT OPERATE CORRECTLY.

NEVER ALLOW ANY FIRE ALARM EQUIPMENT TO GET WET. ONLY WEATHERPROOF NOTIFICATION APPLIANCES (HORN/STROBES, STROBES, ETC.) MAY BE PLACED OUTSIDE.

IF EQUIPMENT DOES GET WET, CONTACT YOUR SUPPLIER PROJECT MANAGER.

DO NOT INSTALL ADDRESSABLE DEVICES UNTIL THEY HAVE BEEN PROGRAMMED.

DO NOT REMOVE RED DUST COVER(S) FROM SMOKE DETECTORS UNTIL ALL CONSTRUCTION HAS BEEN COMPLETED.

DETECTORS THAT HAVE HAD THEIR DUST COVERS REMOVED PRIOR TO THE FINAL CLEAN-UP OF ALL TRADES SHALL BE CLEANED OR REPLACED. SUPPLIERS CANNOT BE RESPONSIBLE FOR FAULTS FOUND TO BE DUST & DIRT RELATED.

ALL INITIATING DEVICES (SMOKES, MANUAL PULLS, ETC.) AND NOTIFICATION APPLIANCES (HORNS, STROBES, ETC.) MUST BE INSTALLED WITH BACKBOXES. THE EQUIPMENT SHOULD NEVER BE SUPPORTED WITH THE CIRCUIT WIRES.

ACOUSTICALLY DISTINGUISHABLE SPACES

(A) INTELLIGIBLE VOICE MESSAGE - REQUIRED PER NFPA 72 SECTION 18.4.10 - COMMON AREAS, AREA OF MEANS OF EGRESS, PUBLIC GATHERING OR MULTI-OCCUPANT OFFICES.

(B) AUDIBLE TONE - INTELLIGIBILITY NOT REQUIRED PER NFPA 72 SECTION 18.4.10 - AUDIBILITY REQUIRED PER NFPA 72 SECTION 18.4.3 - SINGLE OCCUPANT OFFICES, STORAGE ROOMS, ELECTRICAL, MECHANICAL, ELEVATOR CARS, ELEVATOR EQUIPMENT ROOMS.

(C) VISIBLE NOTIFICATION ONLY - AREAS ASSIGNED THIS DESIGNATION ARE THOSE THAT ARE EXPECTED TO HAVE AVERAGE AMBIENT SOUND LEVELS AT OR ABOVE 95 DBA, OR HAVE HIGHLY REVERBERANT INTERIOR FINISHES SUCH AS RESTROOMS OR SHOWERS.

(D) NO NOTIFICATION REQUIRED - NORMALLY UNOCCUPIED SPACES LESS THAN 100 SQUARE FEET.

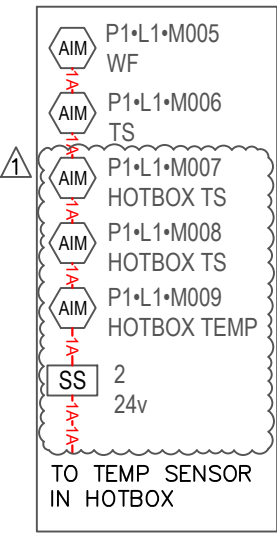
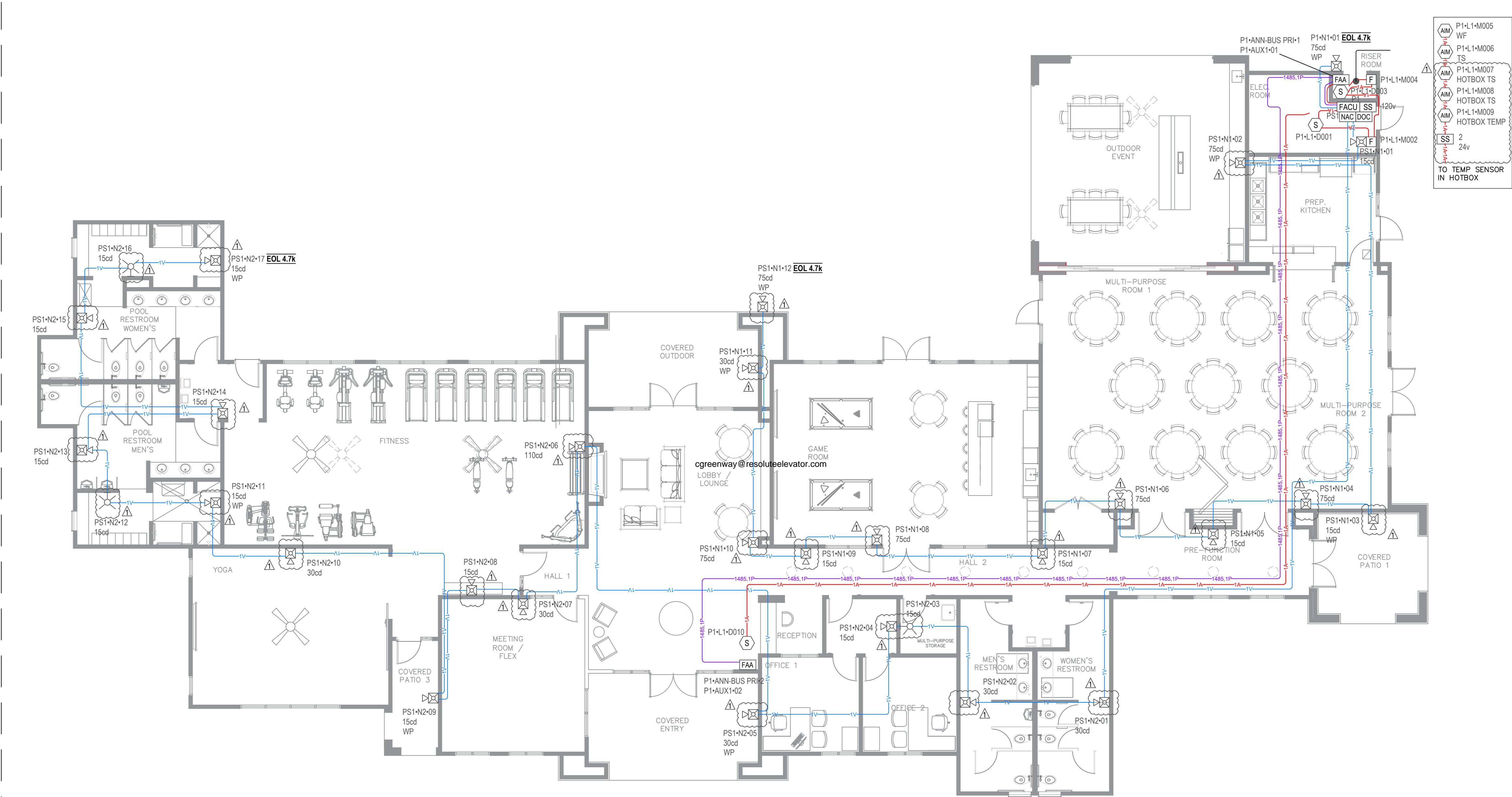
WIRE FILL CHART FOR EMT

TRADE SIZE	NOMINAL INTERNAL DIA. INCH	TOTAL AREA 100% FILL SQ. INCH	60% FILL SQ. INCH	1 WIRE 3/8" FILL SQ. INCH	2 WIRES 3/8" FILL SQ. INCH	2 1/2 WIRES 3/8" FILL SQ. INCH
1/2 INCH	.622	.304	.182	.161	.094	.122
3/4 INCH	.824	.533	.320	.283	.165	.213
1 INCH	1.049	.864	.519	.458	.288	.346
1-1/4 INCH	1.380	1.496	.897	.793	.464	.598
1-1/2 INCH	1.610	2.036	1.221	1.079	.631	.814
2 INCH	2.067	3.356	2.013	1.778	1.040	1.342
2-1/2 INCH	2.731	5.858	3.515	3.105	1.816	2.343
3 INCH	3.356	8.846	5.307	4.688	2.742	3.538
3-1/2 INCH	3.834	11.545	6.927	6.119	3.579	4.618
4 INCH	4.534	14.753	8.852	7.819	4.573	5.901

NOTE: DRAWINGS ARE BASED UPON A CONDUIT INSTALLATION.

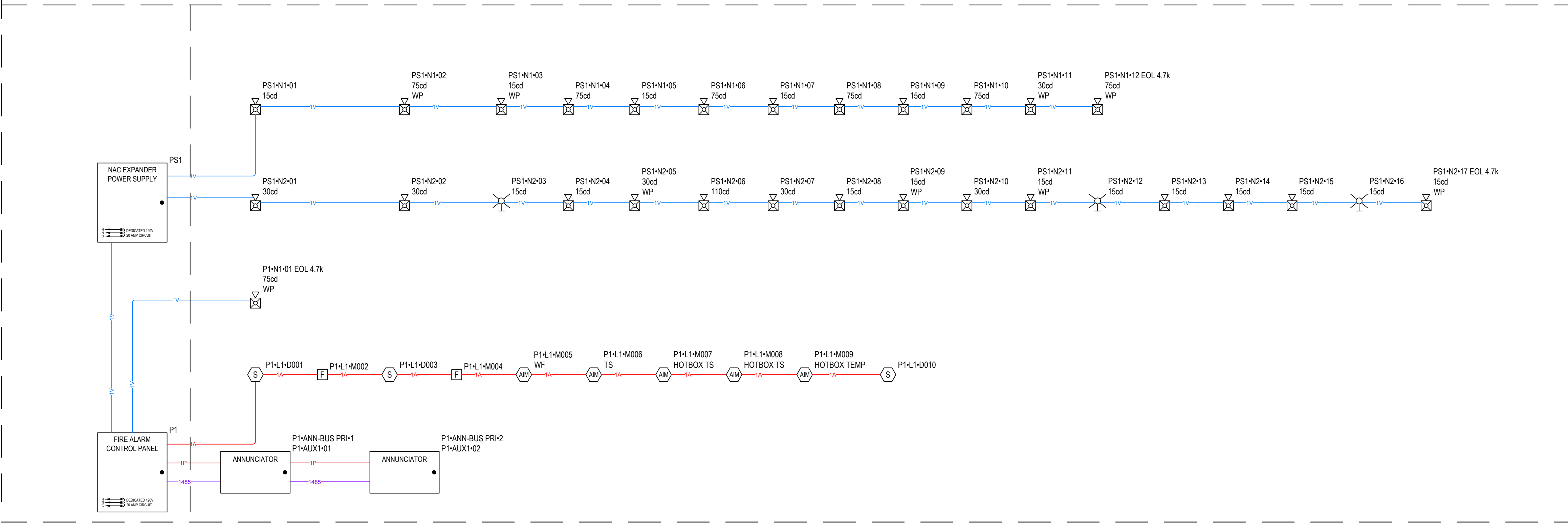
ABBREVIATIONS LEGEND

(AC) = ABOVE CEILING	FS = WATERFLOW SWITCH	FTU = ELEVATOR PIT
(CC) = CEILING MOUNTED	FSD = FIRE SMOKE DAMPER	RTU = ROOF TOP UNIT
(CX) = EXISTING	GCC = GRAPHIC COMMAND CENTER	SCC = STATUS COMMAND CENTER
AFF = ABOVE FINISHED FLOOR	HT = HEIGHT	SLC = SIGNALING LINE CIRCUIT
AJ = AUTHORITY HAVING JURISDICTION	H/LD = HIGH/LOW AIR PRESSURE	SB = SOUNDER BASE
AM = AIR HANDLING UNIT	LFS = LOW FREQUENCY SOUNDER BASE	SUPV = SUPERVISORY
ALM = ALARM	MAX = MAXIMUM	TIS = ELEVATOR TOP OF SHAFT
BMS = BUILDING MANAGEMENT SYSTEM	MIN = MINIMUM	TREB = TROUBLE
CD = CANDELA (EX-15cd)	N/A = NOT APPLICABLE	TS = VALVE TAMPER
DET = DETECTOR	NAC = NOTIFICATION APPLIANCE CIRCUIT	TYP = TYPICAL
ELEV = ELEVATOR	NDU = NETWORK DISPLAY UNIT	UNO = UNLESS NOTED OTHERWISE
EOL = END OF LINE	NEC = NATIONAL ELECTRICAL CODE	VCC = VOICE COMMAND CENTER
EPO = EMERGENCY POWER OFF	NFPA = NATIONAL FIRE PROTECTION ASSOCIATION	W = WITH
EX = EXISTING TO REMAIN	NC = NOT IN CONTRACT	W = (EX. 1/2W) WATT
FACU = FIRE ALARM CONTROL PANEL	NIS = NOT TO SCALE	WP = WEATHERPROOF
FATC = FIRE ALARM TERMINAL CABINET	OHU = OUTSIDE AIR HANDLING UNIT	XP = EXPLOSION PROOF
FBC = FURNISHED BY OTHERS	PG = PROTECTIVE GUARD (WIRE CAGE)	
FCC = FIRE COMMAND CENTER	PG = PROTECTIVE GUARD (PLASTIC TYPE WITH PIEZO HORN)	



DEVICE LEGEND				
SYMBOL	QUANTITY	MANUFACTURER	PART NO	DESCRIPTION
[FACU]	1	FIRELITE	ES-50XP	ADDRESSABLE FIRE ALARM CONTROL PANEL WITH ONE SLC LOOP INCLUDES MAIN CIRCUIT BOARD WITH DISPLAY, PRE-INSTALLED CLSS PATHWAY PRO COMMUNICATOR, CHASSIS WITH TRANSFORMER, DRESS PANEL, BACKBOX WITH DOOR, PLASTIC BAG CONTAINING SCREWS, CABLES, KEY, ETC.
[NAC]	1	FIRELITE	FL-PS6	6.0 A, 120 VAC REMOTE CHARGER POWER SUPPLY IN A LOCKABLE METAL ENCLOSURE
[FAA]	2	FIRELITE	ANN-80	RED 80 CHARACTER LCD ANNUNCIATOR
[AM]	5	FIRELITE	MMF-300	ADDRESSABLE MONITOR MODULE W/ FLASHSCAN, SUPERVISES CLASS A OR CLASS B OF DRY CONTACT INPUT
[F]	2	FIRELITE	BG-12LX	ADDRESSABLE MANUAL PULL STATION WITH INTERFACE MODULE MOUNTED INSIDE
[S]	3	FIRELITE	SD365 WB300-6	WHITE, ADDRESSABLE PHOTOELECTRIC DETECTOR, STANDARD BASE
[WP]	9	SYSTEM SENSOR	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR
[WP]	18	SYSTEM SENSOR	P2WLED	2-WIRE, HORN STROBE, WHITE
[SS] ₂	1	DITEK	DTK-2MHL P24WB	2 PAIR / 4 WIRE SURGE MODULE W/BASE FOR PIV, NAC, IDC ETC.
[SS] _{120v}	1	SPACE AGE ELECTRONICS	T120-DG W/SNAP TRACK	2 PAIR / 4 WIRE SURGE MODULE, 120V
[DOC]	1	SPACE AGE ELECTRONICS	SSU01690	FIRE ALARM DOCUMENT CABINET W/8GB USB DRIVE (ACE-11), BLACK WITH CUSTOM LOGO
ADDITIONAL ASSEMBLY COMPONENTS AND HARDWARE				
	1	FIRELITE	CLSS PATHWAY PRO	CLSS
	1	FIRELITE	ES-50XP MAIN BOARD	MAIN BOARD
	1	FIRELITE	FL-PS6 MAIN BOARD	FIRE ALARM POWER SUPPLY MAIN BOARD

CABLE AND WIRE LEGEND							
LABEL	PART NO	MANUFACTURER	APPLICATION	RESISTANCE MET	AWG	DESCRIPTION	TOTAL LENGTH
485	182 P/P/R	GENERIC	RS-485	7.77	18	2 COND. SOLID COPPER P/P/R ANALOG UNSHIELDED	184'
A	182 P/P/R	GENERIC	SLC	4.89	18	2 COND. SOLID COPPER P/P/R ADDRESSABLE	214'
P	142 P/P/R	GENERIC	AUX	3.97	14	2 COND. SOLID COPPER P/P/R UNSHIELDED	344'
V	142 P/P/R	GENERIC	NAC	3.97	14	2 COND. SOLID COPPER P/P/R ANALOG UNSHIELDED	681'



VSC FIRE & SECURITY, INC.
 MAILING ADDRESS:
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 919-645-5880

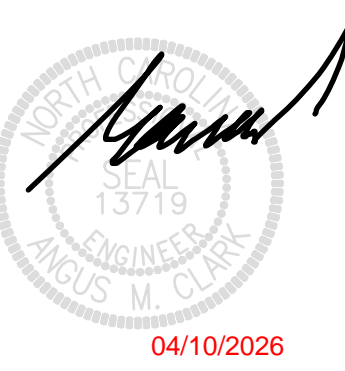


ALTIS SERENITY CLUBHOUSE
 325 STREAMSIDE TERRACE,
 FUGUARY-VARINA, NC 27526

REVISIONS:	DATE:
Permit Set	1-29-26
REVI - Engineer added occupant notification	3-25-26

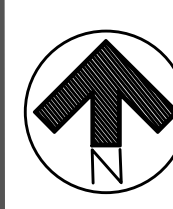
DRAWN BY: K.H.
 PROJECT MGR: TBD
 AHA: HARTNETT COUNTY
 DATE: 3/28/26
 SCALE: AS-NOTED
 JOB NO.: TBD
 TYPE: FIRE ALARM SYSTEM

ANGUS CLARK
 ENGINEERING PC
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 CARY NORTH CAROLINA 27512
 C-2726
 919.859.2874



FOR SUBMITTAL, DRAWING RECORD
 I/We have reviewed these plans and
 certify that they comply with the
 applicable codes and standards.
 I/We certify that they were copied from
 sealed engineering plans.

DRAWN BY: K.H.
 CHECKED BY: [Signature]
 PROJECT MGR: [Signature]
 DATE: 3-28-26



FIRE ALARM SYSTEM DESIGN LAYOUT, RISER DETAIL, AND DEVICE LEGEND

All ceilings less than 10' - 0" unless noted
 SCALE: 1/8" = 1'-0"

SHEET NUMBER:
 FAS-02

PANEL P1 (ES-50XP) BATTERY CALCULATION (SECONDARY POWER SOURCE REQUIREMENTS)							
				STANDBY CURRENT		SECONDARY ALARM CURRENT	
				CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
PANEL COMPONENTS				0	0	0	0
1	ES-50XP	ADDRESSABLE FIRE ALARM CONTROL PANEL WITH ONE SLC LOOP. INCLUDES MAIN CIRCUIT BOARD WITH DISPLAY. PRE-INSTALLED CLSS PATHWAY PRO COMMUNICATOR, CHASSIS WITH TRANSFORMER, DRESS PANEL, BACKBOX WITH DOOR, PLASTIC BAG CONTAINING SCREWS, CABLES, KEY, ETC.		0	0	0	0
1	CLSS PATHWAY PRO	CLSS		0.1	0.1	0.1	0.1
1	ES-50XP MAIN BOARD	MAIN BOARD		0.141	0.141	0.257	0.257
CIRCUIT				CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P1-ANN-BUS PRI	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	2	2	2	2
P1-AUX1	2.70	0.215500	2.484500	0.015	0.03	0.04	0.08
P1-L1				0.000375	0.00075	0.005	0.01
P1-N1				0.000375	0.001875	0.005	0.025
				0.0002	0.0006	0.0045	0.0135
				0	0	0.087	0.087
TOTAL STANDBY (A)				0.274225		TOTAL ALARM (A)	0.57250
REQUIRED STANDBY TIME (HOURS)					24		5
REQUIRED ALARM TIME (MINUTES)					24		6.58
SECONDARY STANDBY LOAD (A)				0.274225			
SECONDARY ALARM LOAD (A)					0.083		0.048
STANDBY AND ALARM SUBTOTAL (AMP HOURS)							6.63
DERATING FACTOR							1.25
SECONDARY LOAD REQUIREMENTS (AMP HOURS)							8.29
PROVIDE (2) 12V 12AH BATTERIES							
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.							

PANEL PS1 (FL-PS6) BATTERY CALCULATION (SECONDARY POWER SOURCE REQUIREMENTS)							
				STANDBY CURRENT		SECONDARY ALARM CURRENT	
				CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
PANEL COMPONENTS				0	0	0	0
1	FL-PS6	60 A, 120 VAC REMOTE CHARGER POWER SUPPLY IN A LOCKABLE METAL ENCLOSURE		0	0	0	0
1	FL-PS6 MAIN BOARD	FIRE ALARM POWER SUPPLY MAIN BOARD		0.139	0.139	0.157	0.157
CIRCUIT				CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
PS1-N1	MAX CARD AMPS	USED CARD AMPS	SPARE CARD AMPS	6	6	6	6
	6	1.353000	4.647000	0	0	0.035	0.035
				0	0	0.038	0.038
				0	0	0.087	0.087
				0	0	0.035	0.14
				0	0	0.087	0.348
				0	0	0.035	0.105
				0	0	0.038	0.038
				0	0	0.035	0.175
				0	0	0.038	0.152
				0	0	0.094	0.094
				0	0	0.018	0.054
TOTAL STANDBY (A)				0.139		TOTAL ALARM (A)	1.51
REQUIRED STANDBY TIME (HOURS)					24		5
REQUIRED ALARM TIME (MINUTES)					24		3.34
SECONDARY STANDBY LOAD (A)				0.139			
SECONDARY ALARM LOAD (A)					0.083		0.128
STANDBY AND ALARM SUBTOTAL (AMP HOURS)							3.46
DERATING FACTOR							1.25
SECONDARY LOAD REQUIREMENTS (AMP HOURS)							4.33
PROVIDE (2) 12V 7AH BATTERIES							
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION.							

P1 AUX1 POINT-TO-POINT REPORT											
				CURRENT SUMMARY			POWER SUMMARY				
				MAX. CIRCUIT CURRENT (A)	TOTAL CIRCUIT CURRENT (A)	STARTING CALC. VOLTAGE	MAX. VOLTAGE DROP				
				2.70	0.08	20.40	0.05				
					92.00 %	16	20.35				
					0.2005	3.07	184				
					2.50		1.13				
					92.57 %						
DEVICE LABEL	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	REMAINING ALARM CURRENT (A)	DISTANCE FROM PREVIOUS (F)	RESISTANCE FROM PREVIOUS (Ω)	VOLTAGE DROP FROM PREVIOUS	VOLTAGE AT DEVICE	TOTAL VOLTAGE DROP	VOLTAGE DROP PERCENT
P1-AUX1-01	ANN-80	RED 80 CHARACTER LCD ANNUNCIATOR		0.04	0.08	5	0.033029	0	20.40	0	0.01 %
P1-AUX1-02	ANN-80	RED 80 CHARACTER LCD ANNUNCIATOR		0.04	0.04	179	1.10	0.04	20.35	0.05	0.23 %

P1 N1 POINT-TO-POINT REPORT											
				CURRENT SUMMARY			POWER SUMMARY				
				MAX. CIRCUIT CURRENT (A)	TOTAL CIRCUIT CURRENT (A)	STARTING CALC. VOLTAGE	MAX. VOLTAGE DROP				
				2.70	0.087	20.40	0.01				
					96.52 %	16	20.39				
					0.2005	3.07	9				
					2.50		0.058302				
					92.57 %						
DEVICE LABEL	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	REMAINING ALARM CURRENT (A)	DISTANCE FROM PREVIOUS	RESISTANCE FROM PREVIOUS (Ω)	VOLTAGE DROP FROM PREVIOUS	VOLTAGE AT DEVICE	TOTAL VOLTAGE DROP	VOLTAGE DROP PERCENT
P1-N1-01 EOL 4.7K	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	75CD	0.087	0.087	9	0.058302	0.01	20.39	0.01	0.02 %

PS1 N1 POINT-TO-POINT REPORT											
				CURRENT SUMMARY			POWER SUMMARY				
				MAX. CIRCUIT CURRENT (A)	TOTAL CIRCUIT CURRENT (A)	STARTING CALC. VOLTAGE	MAX. VOLTAGE DROP				
				6	0.7350	20.40	0.60				
					75.50 %	16	19.80				
					1.35	3.07	220				
					4.65		1.35				
					77.45 %						
DEVICE LABEL	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	REMAINING ALARM CURRENT (A)	DISTANCE FROM PREVIOUS	RESISTANCE FROM PREVIOUS (Ω)	VOLTAGE DROP FROM PREVIOUS	VOLTAGE AT DEVICE	TOTAL VOLTAGE DROP	VOLTAGE DROP PERCENT
PS1-N1-01	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.7350	2	0.013096	0.01	20.39	0.01	0.05 %
PS1-N1-02	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	75CD	0.087	0.70	18	0.108197	0.08	20.31	0.09	0.42 %
PS1-N1-03	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	15CD	0.035	0.6130	67	0.408417	0.25	20.06	0.34	1.65 %
PS1-N1-04	P2WLED	2-WIRE, HORN STROBE, WHITE	75CD	0.087	0.5780	9	0.057155	0.03	20.03	0.37	1.81 %
PS1-N1-05	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.491	16	0.098916	0.05	19.98	0.42	2.05 %
PS1-N1-06	P2WLED	2-WIRE, HORN STROBE, WHITE	75CD	0.087	0.456	16	0.099386	0.05	19.94	0.46	2.27 %
PS1-N1-07	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.369	16	0.100133	0.04	19.90	0.5	2.45 %
PS1-N1-08	P2WLED	2-WIRE, HORN STROBE, WHITE	75CD	0.087	0.334	24	0.147362	0.05	19.85	0.550	2.69 %
PS1-N1-09	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.247	11	0.065963	0.02	19.83	0.570	2.77 %
PS1-N1-10	P2WLED	2-WIRE, HORN STROBE, WHITE	75CD	0.087	0.212	8	0.050381	0.01	19.82	0.580	2.82 %
PS1-N1-11	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	30CD	0.038	0.125	25	0.153136	0.02	19.81	0.590	2.92 %
PS1-N1-12 EOL 4.7K	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	75CD	0.087	0.087	8	0.051518	0	19.80	0.60	2.94 %

PS1 N2 POINT-TO-POINT REPORT											
				CURRENT SUMMARY			POWER SUMMARY				
				MAX. CIRCUIT CURRENT (A)	TOTAL CIRCUIT CURRENT (A)	STARTING CALC. VOLTAGE	MAX. VOLTAGE DROP				
				6	0.6180	20.40	1.07				
					79.40 %	16	19.33				
					1.35	3.07	451				
					4.65		2.77				
					77.45 %						
DEVICE LABEL	PART NO	DESCRIPTION	CANDELAS	ALARM CURRENT (A)	REMAINING ALARM CURRENT (A)	DISTANCE FROM PREVIOUS	RESISTANCE FROM PREVIOUS (Ω)	VOLTAGE DROP FROM PREVIOUS	VOLTAGE AT DEVICE	TOTAL VOLTAGE DROP	VOLTAGE DROP PERCENT
PS1-N2-01	P2WLED	2-WIRE, HORN STROBE, WHITE	30CD	0.038	0.6180	114	0.702	0.43	19.97	0.43	2.13 %
PS1-N2-02	P2WLED	2-WIRE, HORN STROBE, WHITE	30CD	0.038	0.580	17	0.101482	0.06	19.91	0.49	2.42 %
PS1-N2-03	SWLED	STROBE, WALL, WHITE	15CD	0.018	0.5420	18	0.10797	0.06	19.85	0.550	2.70 %
PS1-N2-04	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.5240	1	0.003096	0	19.85	0.550	2.71 %
PS1-N2-05	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	30CD	0.038	0.489	30	0.183334	0.09	19.76	0.640	3.15 %
PS1-N2-06	P2WLED	2-WIRE, HORN STROBE, WHITE	110CD	0.094	0.451	64	0.390362	0.18	19.58	0.820	4.01 %
PS1-N2-07	P2WLED	2-WIRE, HORN STROBE, WHITE	30CD	0.038	0.357	27	0.168635	0.06	19.52	0.880	4.31 %
PS1-N2-08	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.319	7	0.043286	0.01	19.51	0.890	4.38 %
PS1-N2-09	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	15CD	0.035	0.284	19	0.116501	0.03	19.47	0.930	4.54 %
PS1-N2-10	P2WLED	2-WIRE, HORN STROBE, WHITE	30CD	0.038	0.249	41	0.252344	0.06	19.41	0.990	4.85 %
PS1-N2-11	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	15CD	0.035	0.211	17	0.103909	0.02	19.39	1.01	4.95 %
PS1-N2-12	SWLED	STROBE, WALL, WHITE	15CD	0.018	0.176	13	0.081527	0.01	19.37	1.03	5.02 %
PS1-N2-13	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.158	8	0.048316	0.01	19.37	1.03	5.06 %
PS1-N2-14	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.123	23	0.141049	0.02	19.35	1.05	5.15 %
PS1-N2-15	P2WLED	2-WIRE, HORN STROBE, WHITE	15CD	0.035	0.088	31	0.192573	0.02	19.33	1.07	5.23 %
PS1-N2-16	SWLED	STROBE, WALL, WHITE	15CD	0.018	0.053	12	0.075448	0	19.33	1.07	5.25 %
PS1-N2-17 EOL 4.7K	P2GRKLED	2-WIRE, COMPACT HORN STROBE, WALL, RED, OUTDOOR	15CD	0.035	0.035	10	0.059672	0	19.33	1.07	5.26 %

FIRE ALARM SYSTEM BATTERY AND VOLTAGE DROP CALCULATIONS

SCALE: NTS

VSC FIRE & SECURITY, INC.
 MAILING ADDRESS:
 325 STREAMSIDE TERRACE,
 FUGUARY-VARINA, NC 27526
 919-645-5880



ALTIS SERENITY CLUBHOUSE

325 STREAMSIDE TERRACE,
 FUGUARY-VARINA, NC 27526

REVISIONS:	DATE:
Permit Set	1-29-26
REVI - Engineer added occupant notification	3-25-26
DRAWN BY:	KH
PROJECT MGR:	TBD
AHJ:	HARTNETT COUNTY
DATE:	3/25/26
SCALE:	AS-NOTED
JOB NO.:	TBD
TYPE:	FIRE ALARM SYSTEM

FOR SUBMITTAL, DRAWING RECORD
 (1) Have reviewed these plans and certify that they comply with the applicable codes and standards.
 (2) Verify they were copied from sealed engineering plans.

DRAWN BY:
 CHECKED BY:
 DATE: 3-25-26

ANGUS CLARK
 ENGINEERING PC
 P.O. Box 1507
 CARY NORTH CAROLINA 27512
 C-2726
 919.859.2674

04/10/2026

SHEET NUMBER:
 FAS-03

NOT ALL DEVICES REPRESENTED ON THIS PAGE MAY BE USED ON THIS PROJECT.
 DEVICE DRAWINGS ARE FOR REFERENCE ONLY. INSTALLING CONTRACTOR IS RESPONSIBLE FOR ALL FIELD WIRING. REFER TO INDIVIDUAL CUT SHEETS THAT COME WITH EACH DEVICE FOR MORE INFORMATION.

VSC FIRE & SECURITY, INC.
 MAILING ADDRESS:
 325 STREAMSIDE TERRACE,
 FAYETTEVILLE, NC 27529
 919-645-5880



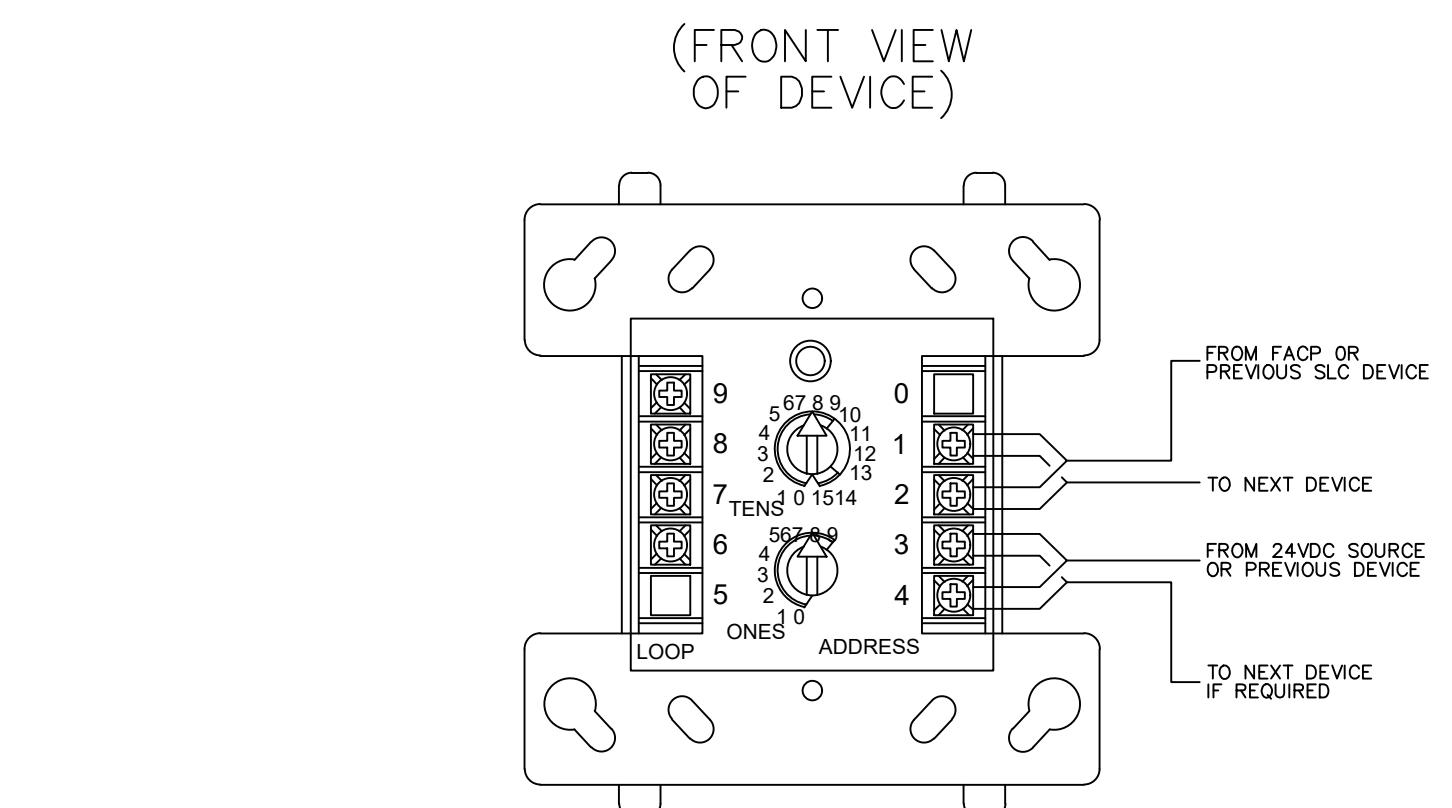
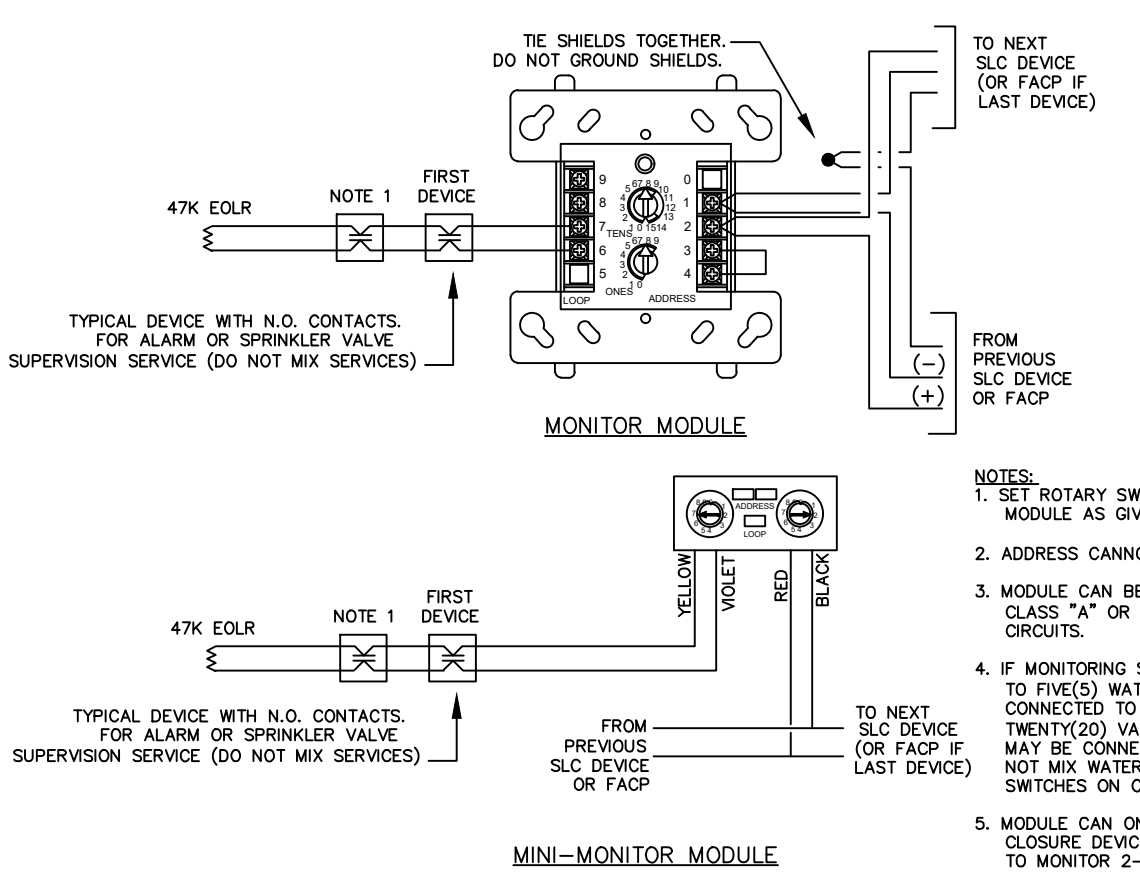
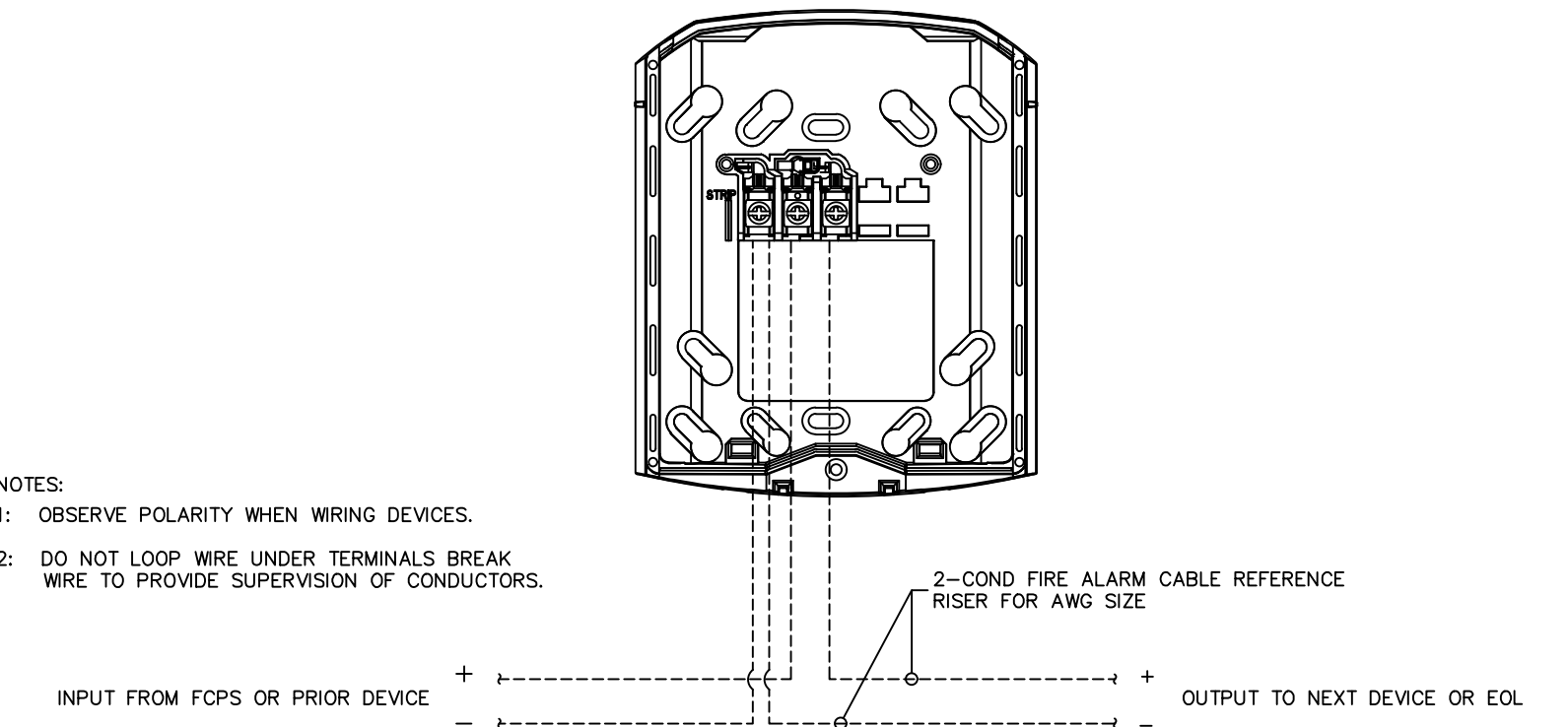
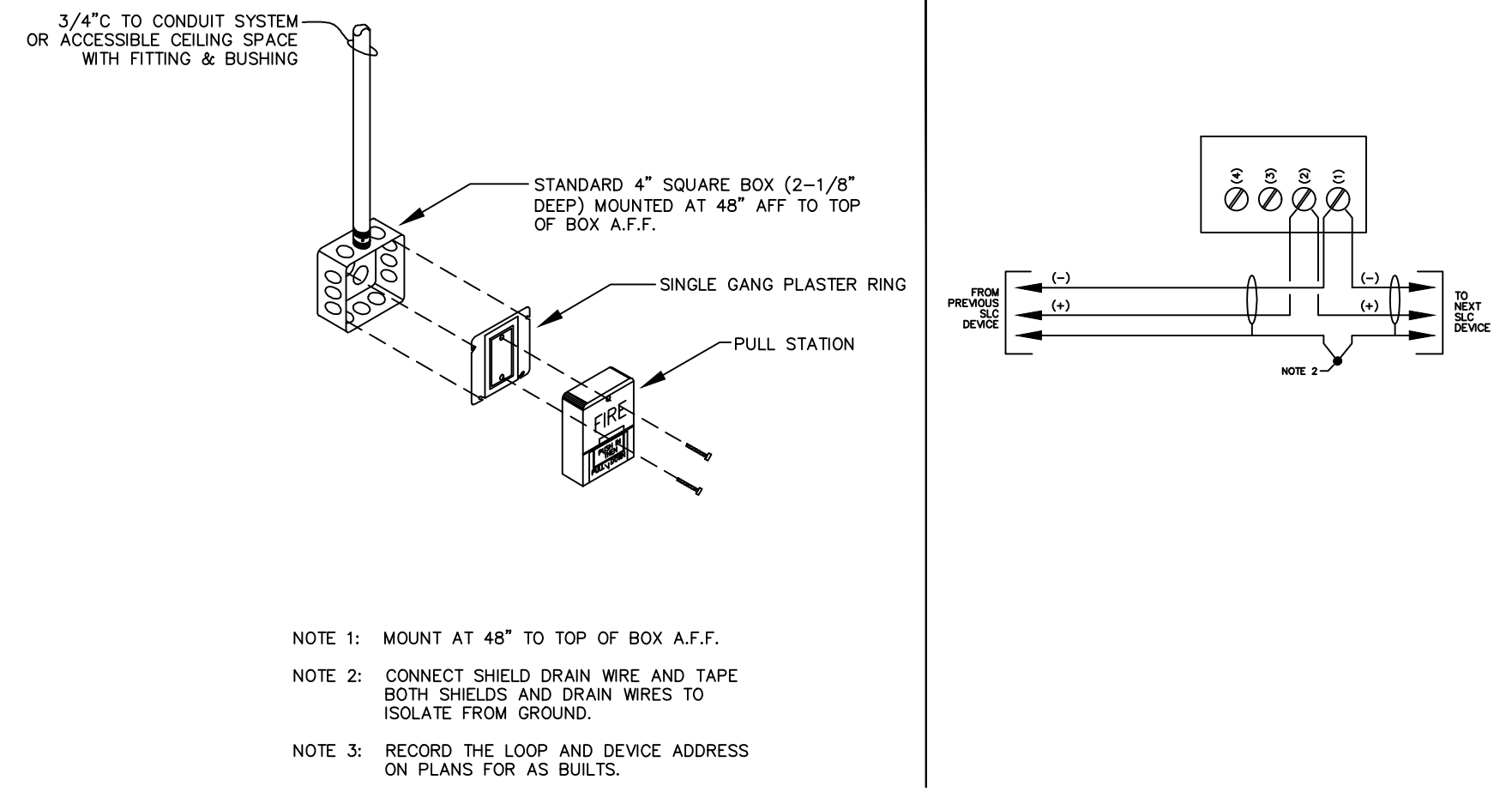
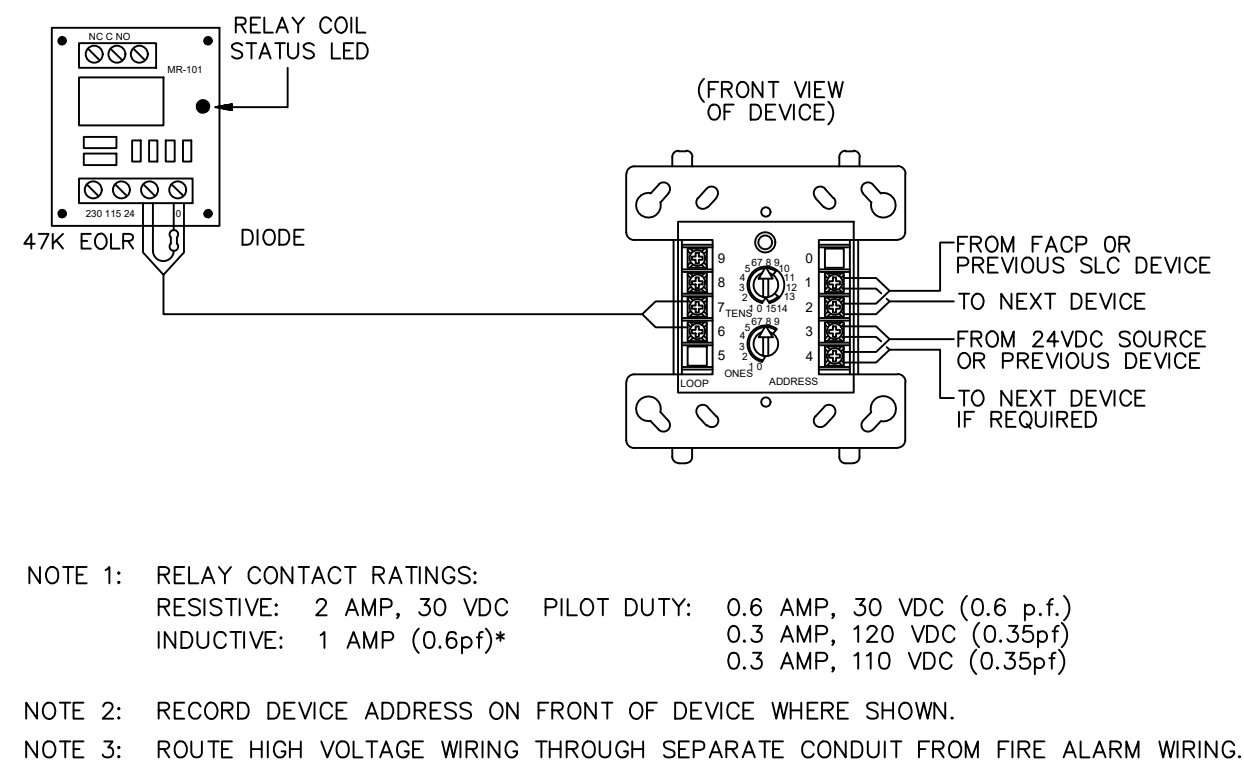
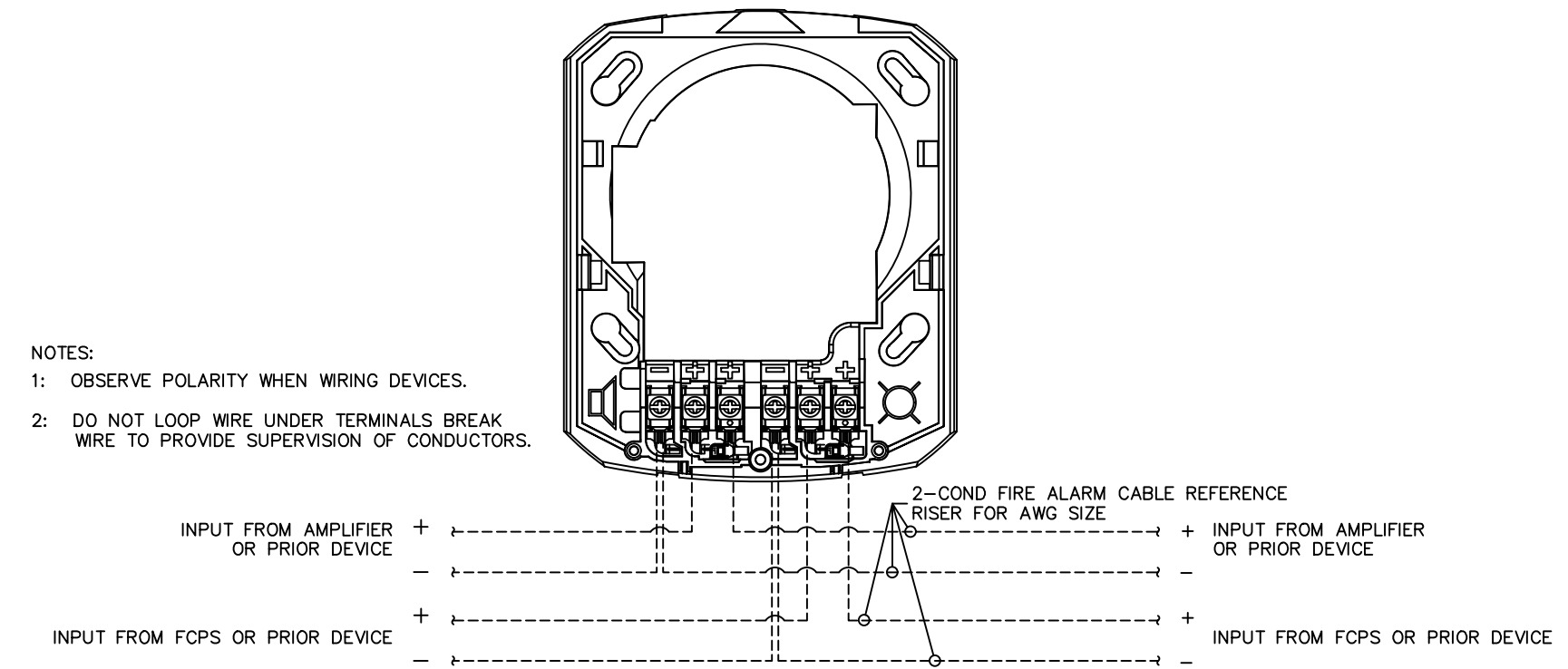
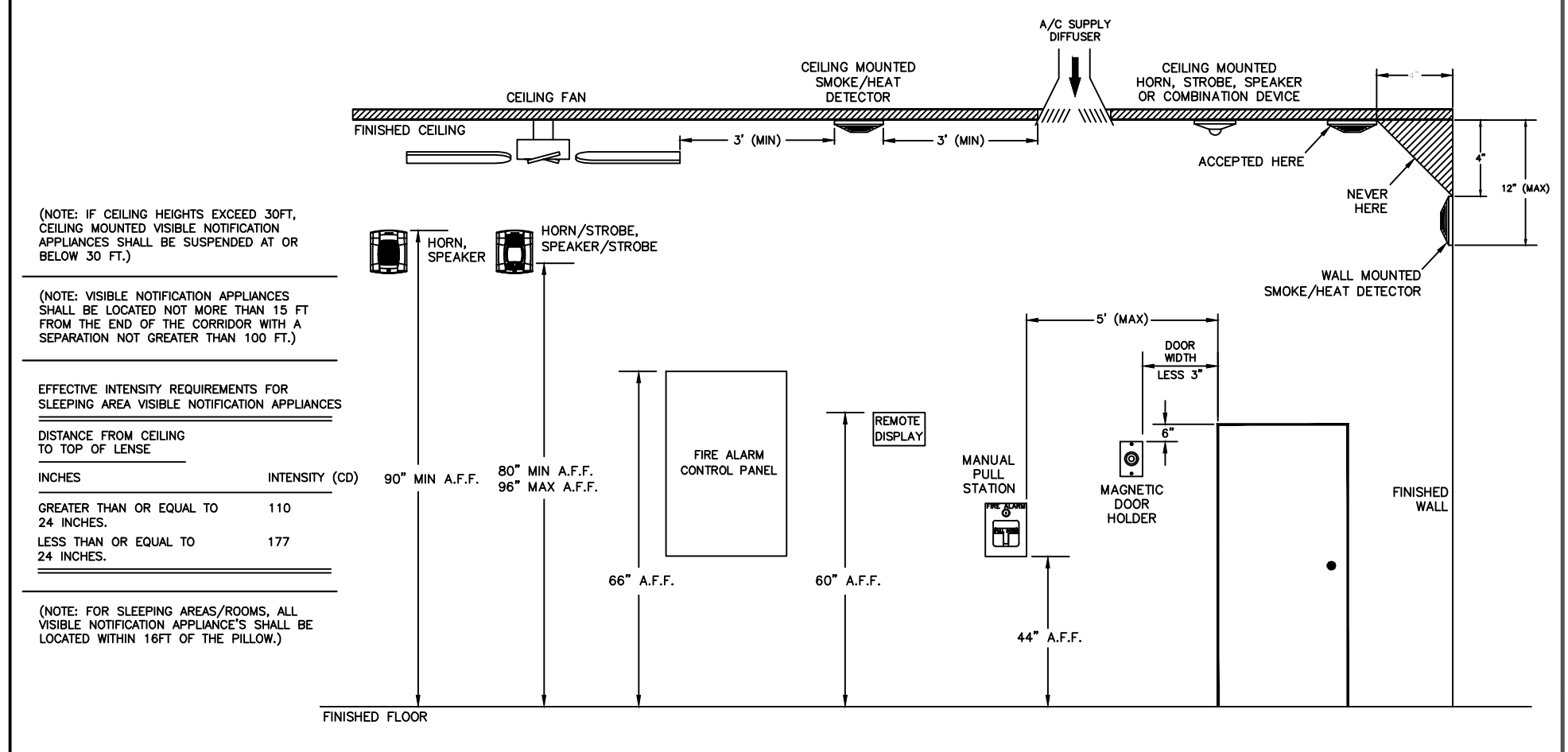
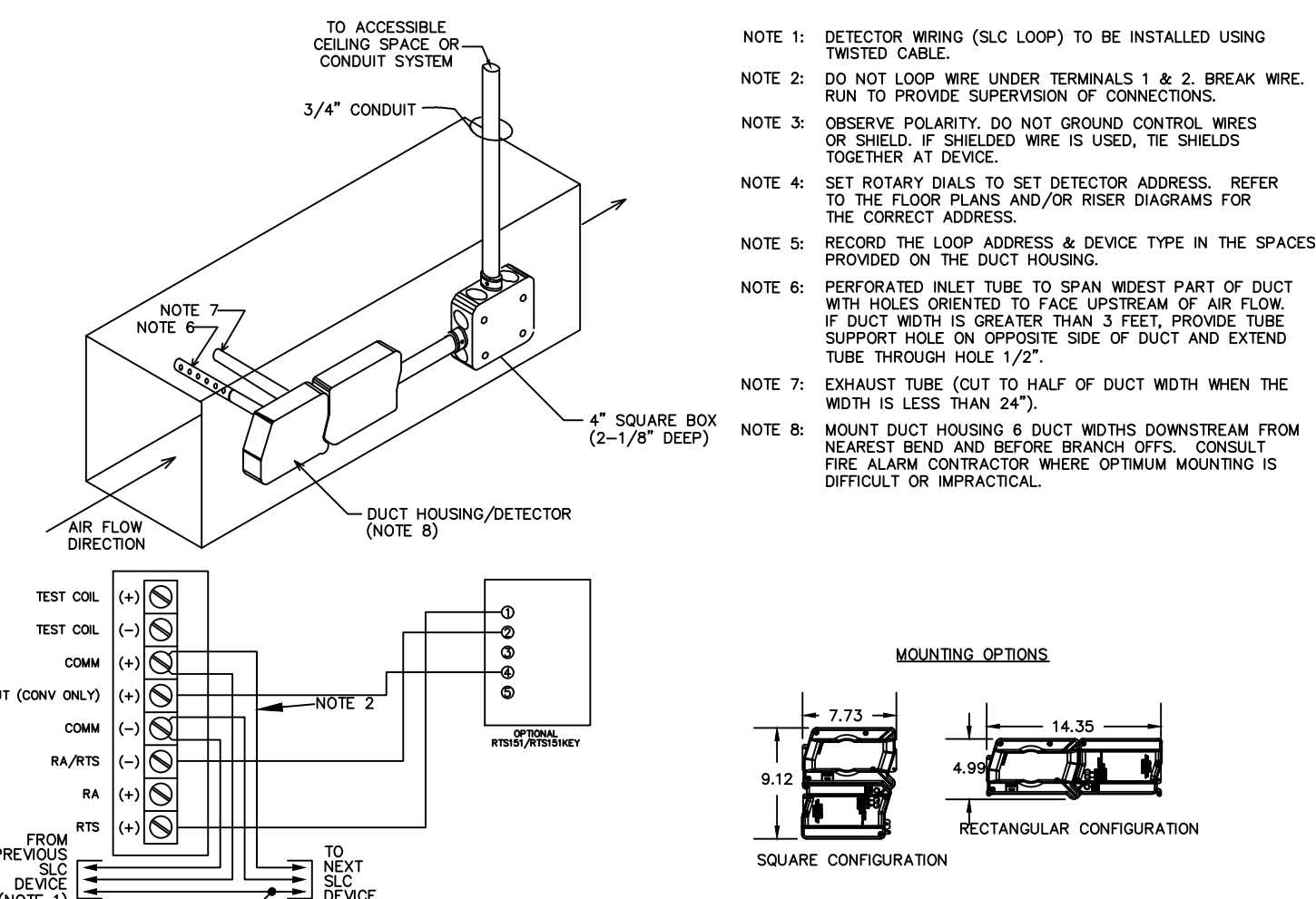
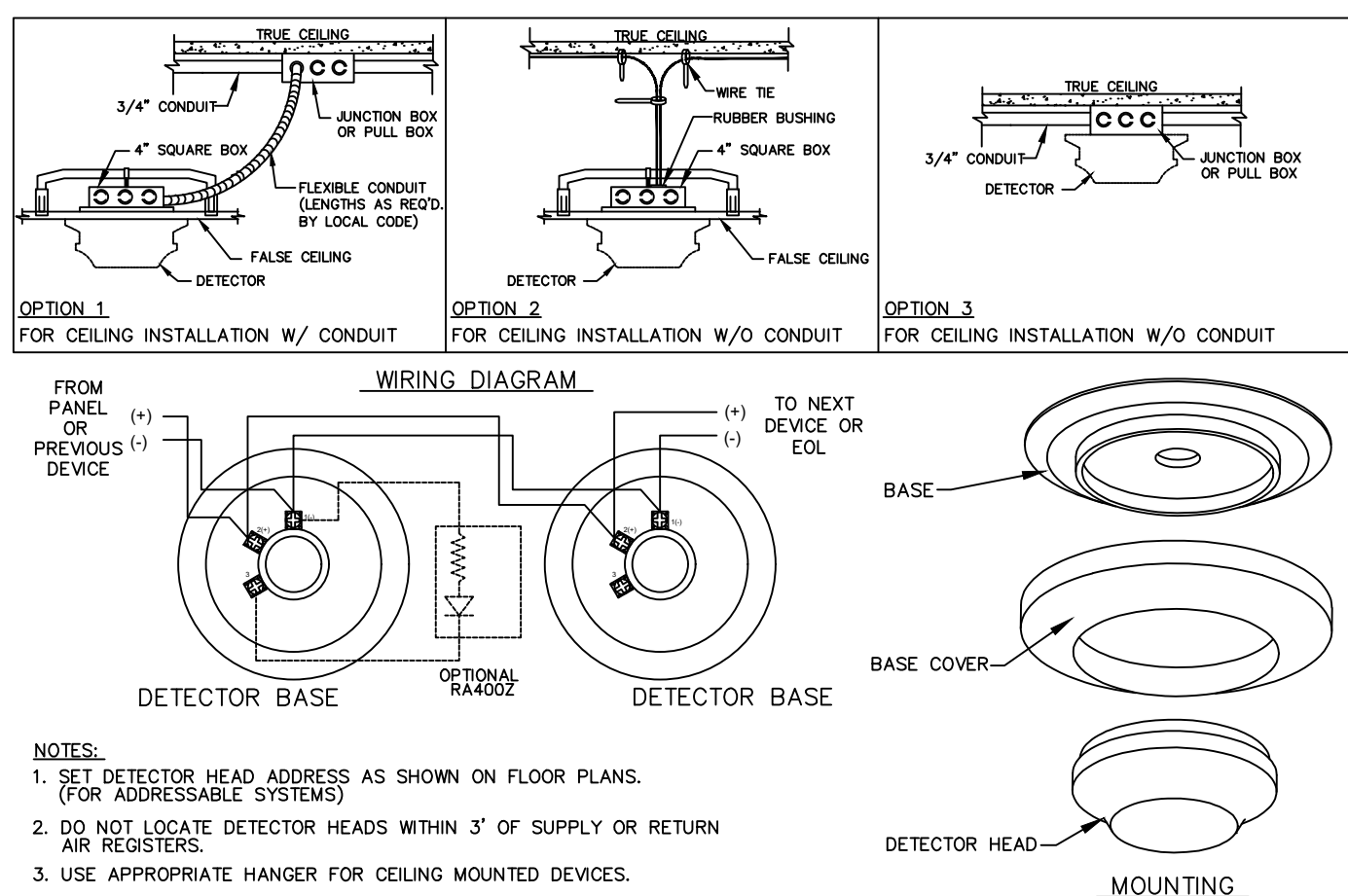
ALTIS SERENITY CLUBHOUSE
 325 STREAMSIDE TERRACE,
 FAYETTEVILLE, NC 27526

REVISIONS:	DATE:
Permit Set	1-29-26
REVI - Engineer added occupant notification	3-25-26

DRAWN BY: K.H.
 PROJECT MGR: TBD
 A/E: HARNETT COUNTY
 DATE: 3/26/26
 SCALE: AS-NOTED
 JOB NO.: TBD
 TYPE: FIRE ALARM SYSTEM

FOR SUBMITTAL, DRAWING RECORD
 I/We have reviewed these plans and certify that they comply with the applicable codes and standards. I/We certify they were copied from master engineering plans.
 I/We certify that the fire alarm system is certified to UL 1480 and valid through 06-27-2027
 Angus M. Clark
 CERTIFIED ELECTRICIAN
 DATE: 3-25-26
 PRINTED NAME: DATE

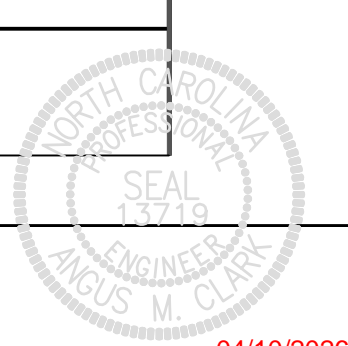
SHEET NUMBER:
 FAS-04



FIRE ALARM SYSTEM COMPONENTS WIRING DETAILS

SCALE: NTS

ANGUS CLARK
 ENGINEERING PC
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04/10/2026