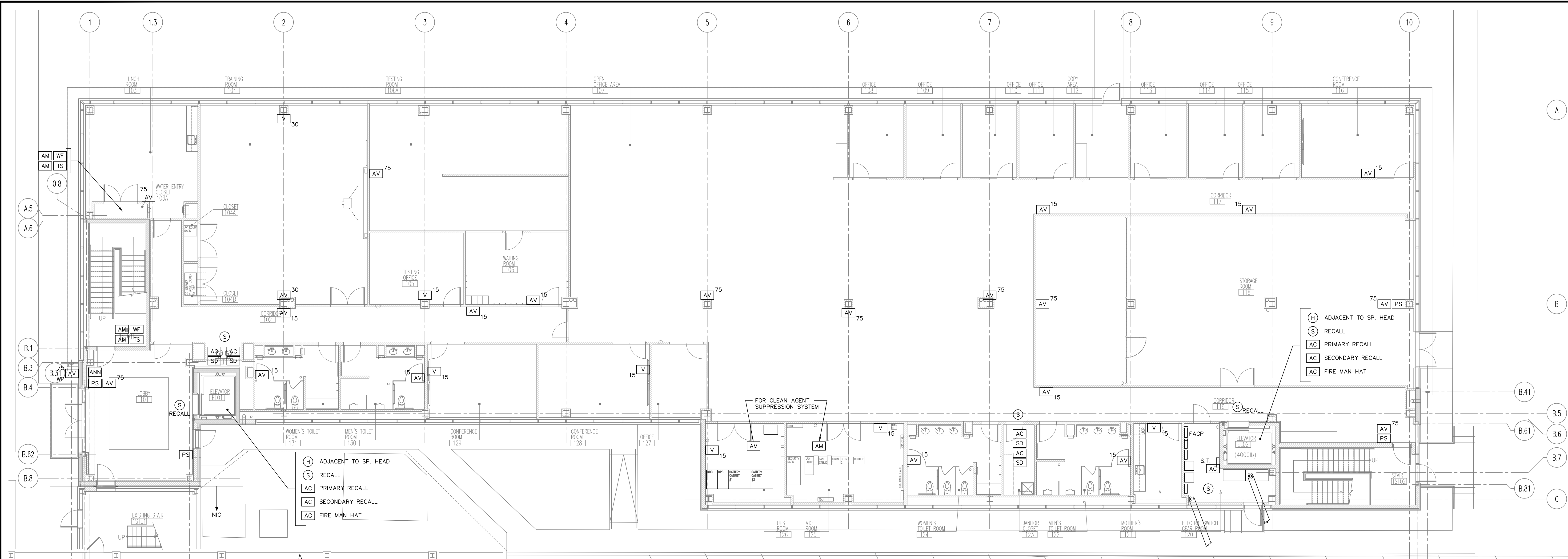
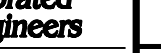
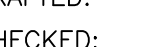
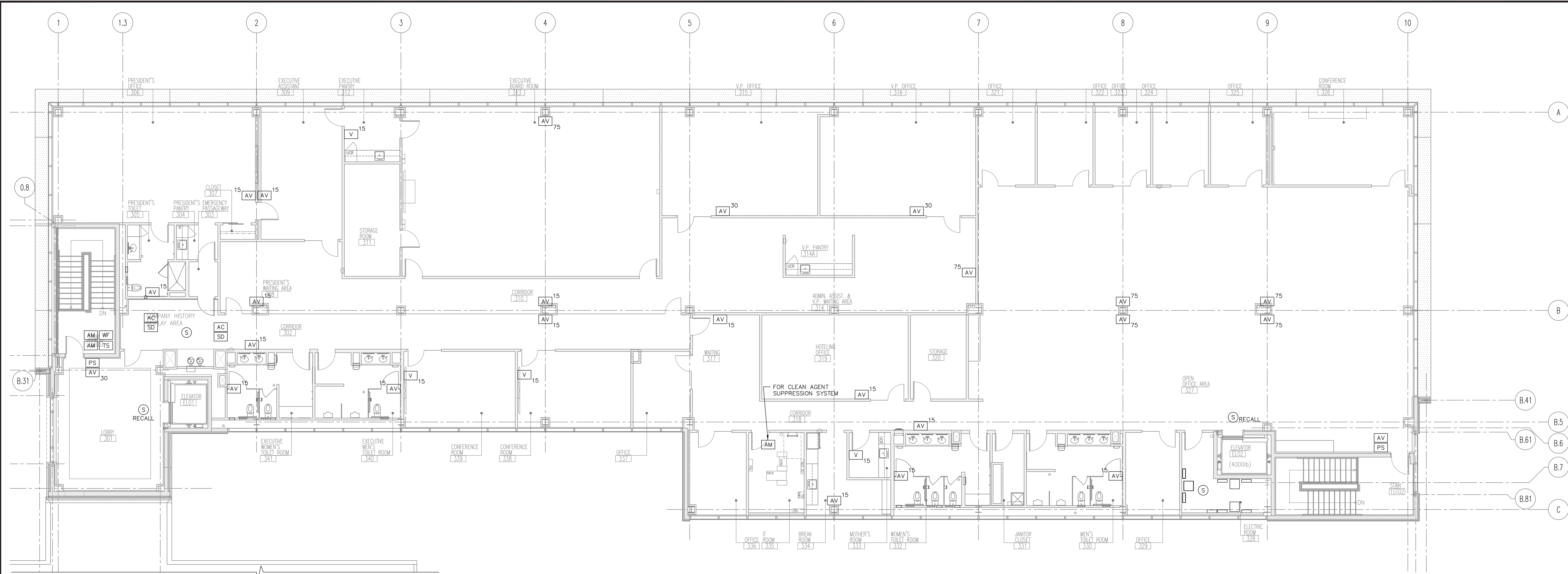




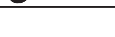
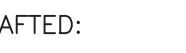
 Omdex Incorporated Consulting Engineers 21 Cross Avenue Westford, MA 07432-1881 (203) 444-0753 FAX (203) 444-0832	SNS ARCHITECTS & ENGINEERS tel: 203.573.1767 fax: 203.573.0858	ENGINEERING REVIEW		APPROVED	NEW BUILDING - FIRE ALARM FIRST & SECOND FLOOR PLANS																							
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Architectural drawing of a roof layout showing HVAC units, elevators, and structural details. The drawing includes a grid system (1-10 horizontally, A-C vertically) and various annotations for equipment placement and structural requirements.

Key features and annotations include:

- HVAC Units:**
 - 1ST FLOOR ACCU-S-1 20 TONS, 1100 LBS.
 - 2ND FLOOR ACCU-S-2 20 TONS, 1100 LBS.
 - 3RD FLOOR ACCU-S-3 20 TONS, 1100 LBS.
 - 1ST FLOOR ACCU-N-1 20 TONS, 1100 LBS.
 - 2ND FLOOR ACCU-N-2 20 TONS, 1100 LBS.
 - 3RD FLOOR ACCU-N-3 20 TONS, 1100 LBS.
- ERV Units:**
 - ERV-S MAX 3600CFM
 - ERV-N MAX 3600CFM
- Elevators:**
 - B.31 (Left)
 - B.41 (Right)
- Structural and Insulation Details:**
 - SLOPE STRUCTURE
 - SLOPE TAPERED INSUL.
 - FOR SHUT-DOWN, LOCATE IN BUILDING AND WIRE TO UNIT
 - IN HEATED ENCLOSURE ON ROOF
 - ROOF SCUTTLE WITH ATTACHED RAIL SYSTEM & GATE
- Other Equipment:**
 - CU-EL-01, CU-EL-02
 - CU-UPS, CU-IT-1A, CU-IT-1B, CU-IT-2, CU-IT-3

 Omdex Incorporated Consulting Engineers  25 Cross Avenue Melville Park, NY 07632-1801 (201) 444-0753 FAX (201) 444-0823	SNS ARCHITECTS & ENGINEERS tel: 201.573.1767 fax: 201.573.0808 www.sns-arch-eng.com	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">ENGINEERING REVIEW</th> </tr> <tr> <th>DEPT.</th> <th>SIGNATURE</th> <th>DATE</th> </tr> <tr> <td>CIVIL</td> <td></td> <td></td> </tr> <tr> <td>METERING</td> <td></td> <td></td> </tr> <tr> <td>RELAY</td> <td></td> <td></td> </tr> <tr> <td>TUNING & TUNE</td> <td></td> <td></td> </tr> </table>	ENGINEERING REVIEW			DEPT.	SIGNATURE	DATE	CIVIL			METERING			RELAY			TUNING & TUNE			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DATE</th> </tr> <tr> <td> ☐ INFORMATION ☐ COMMENTS ☐ BID ☐ CONSTRUCTION ☐ _____ </td> </tr> </table>	DATE	☐ INFORMATION ☐ COMMENTS ☐ BID ☐ CONSTRUCTION ☐ _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">NEW BUILDING - FIRE ALARM THIRD FLOOR & ROOF PLANS</th> </tr> <tr> <td colspan="4" style="text-align: center;"> SVOC NEW OFFICE ADDITION TAG MAP TO 56-62-1-2 500 WEST BOUTTE DR VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK </td> </tr> <tr> <td>SCALE</td> <td>FILE NO.</td> <td>DRAWING NUMBER</td> <td></td> </tr> <tr> <td>AS NOTED</td> <td></td> <td>FA-102</td> <td>93 OF 95</td> </tr> </table>	NEW BUILDING - FIRE ALARM THIRD FLOOR & ROOF PLANS				SVOC NEW OFFICE ADDITION TAG MAP TO 56-62-1-2 500 WEST BOUTTE DR VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK				SCALE	FILE NO.	DRAWING NUMBER		AS NOTED		FA-102	93 OF 95
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Brian W. Panschick, PE NY #91365		Lorin J. Sonenshine, IA Cert./Lic. No. NY 018401																																						

LEGEND	
	F.A. DUCT MOUNTED SMOKE DETECTOR
	F.A. DUCT MOUNTED SMOKE DETECTOR REMOTE KEY TEST SWITCH AND ALARM
	F.A. SMOKE DETECTOR
	F.A. SMOKE DETECTOR, WALL MOUNTED
	F.A. HEAT DETECTOR
	F.A. COMBINATION SMOKE/CO DETECTOR WITH SOUNDER BASE
	F.A. CO DETECTOR WITH SOUNDER BASE
	F.A. REMOTE ANNUNCIATOR @ 42" AFF
	F.A. PULL STATION @ 42" AFF
	F.A. AUDIO/VISUAL (HORN/STROBE) @ 80" AFF
	F.A. VISUAL (STROBE ONLY) @ 80" AFF
	F.A. MONITORING MODULE
	F.A. CONTROL MODULE
	WATER FLOW
	TAMPER SWITCH
	MAGNETIC DOOR HOLD OPEN
	SMOKE DAMPER

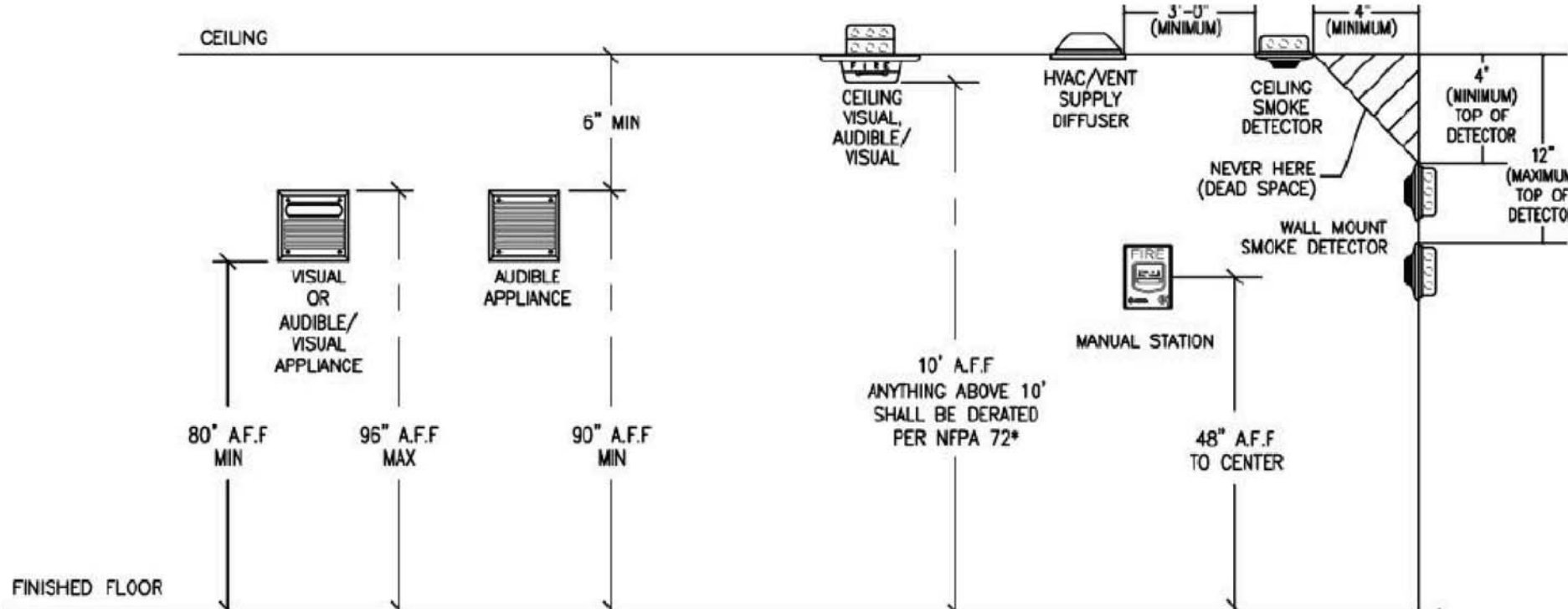
ALL DEVICES SHOWN ON PLANS ARE NEW

CONTRACTOR SHALL PROVIDE SUBMITTALS IN ACCORDANCE WITH THE FOLLOWING CRITERIA.

IBC 2021 NJ Ed. Sections 907.1.2 and 915
NFPA 72-2019 Section 7.4.4 and 26.6.4

Provide Signed and Sealed Shop Drawings for the Fire Alarm System Shop Drawings shall be submitted for review and approval prior to system installation, and shall include, but not be limited to, all of the following:

- A floor plan drawn to scale that indicates the use of all rooms.
 - Locations of alarm-initiating devices.
 - Locations of Carbon Monoxide detection devices.
 - Locations of alarm notification appliances, including candela ratings for visible alarm notification appliances.
 - Design minimum audibility level for occupant notification.
 - Location of fire alarm control unit, transponders and notification power supplies.
 - Annunciators
 - Power connection
 - Battery calculations
 - Conductor type and sizes
 - Voltage drop calculations
 - Manufacturers' data sheets indicating model numbers and listing information for equipment, devices and materials
 - Details of ceiling height and construction
 - The interface of fire safety control functions
 - Classification of the supervising station
- Provide details of telephone connection(s) and method of back-up transmission if not telephone for fire alarm panel. Details on type of telephone service are required to determine capability of signal transmission to monitoring point in the event of a power failure. VoIP service, Fiber Optic service and other means of telephone service have different capabilities of maintaining capability of transmitting signals if there is a power failure. Onsite generators may or may not provide ability for signal transmission.
- Fire department response point(s) and annunciator location(s)
 - Complete sequence of operations detailing all inputs and outputs
 - All documents prepared by persons other than the design professional shall be reviewed by the design professional and a signed and sealed letter submitted indicating that they have been reviewed and found to be in conformance with the regulations for the design of the building per NJAC 5:23-2.15(f)(1).x(i). [THE DESIGN PROFESSIONAL REFERENCED HERE IS THE ARCHITECT OR ENGINEER THAT IS RESPONSIBLE FOR THE TOTAL DESIGN OF THE PROJECT.] A hard copy of this letter must be submitted to the DCA Plan Review Unit. The applicant must also scan and upload a PDF of the letter into the project's document folder when submitting their plans using the ePlans System. Each subsequent revised submittal shall include an updated signed and sealed letter.
 - Shop drawing for fire alarm systems shall be signed and sealed by a New Jersey licensed professional architect or engineer.



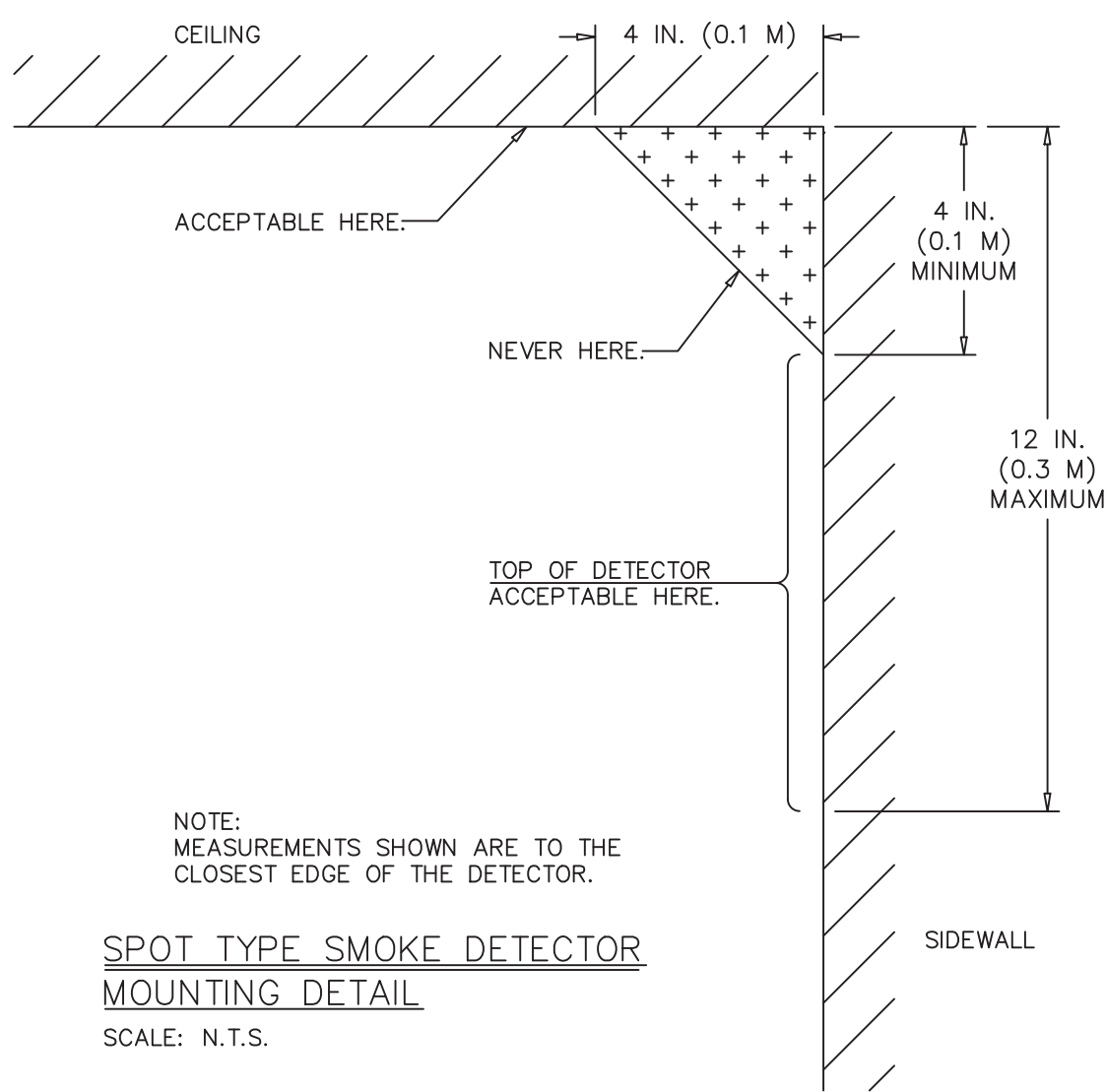
TYPICAL MOUNTING HEIGHTS
N.T.S.

GENERAL NOTES:

- FOR QUANTITY & LOCATION OF DEVICES REFER TO FLOOR PLANS.
- ALL WIRING SHALL BE TYPE FPLP, SHALL BE RUN IN EMT WHERE EXPOSED, IMC WHERE EXPOSED TO WEATHER.
- SIZING OF ALL PANELS, CIRCUITS & POWER SUPPLIES SHALL BE BY MANUFACTURER.
- ALL CUTTING, PATCHING & NECESSARY RE-FINISHING SHALL BE PERFORMED BY THE CONTRACTOR.
- ALL DEVICE FINISHES SHALL BE BEIGE OR WHITE. FINAL COLOR SELECTION SHALL BE APPROVED BY ARCHITECT.
- ALL EXISTING FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED THROUGHOUT ALL DEMOLITION AND CONSTRUCTION PHASES OF PROJECT.

FIRE ALARM SEQUENCE OF OPERATIONS

- ACTIVATION OF A MANUAL PULL STATION WILL DO THE FOLLOWING:
 - LIGHT AN ALARM INDICATOR AT THE FIRE ALARM CONTROL PANEL.
 - SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
 - DISPLAY AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE ON AN ENGLISH LANGUAGE DISPLAY.
 - SOUND A TEMPORAL 3 CODE ON ALL HORNS.
 - ACTIVATE ALL STROBE LIGHTS.
 - ACTIVATE INTERFACE CONTROL RELAY TO SHUTDOWN ALL FANS OVER 2,000 CFM.
 - ACTIVATE INTERFACE CONTROL RELAY TO DE-ENERGIZE ANY ELECTRICALLY FAIL-SAFE DOORS IN THE PATH OF EGRESS.
 - ACTIVATE INTERFACE CONTROL RELAY TO CLOSE ALL FIRE SMOKE DAMPERS.
 - SEND A PULL STATION ALARM SIGNAL TO CENTRAL STATION TRANSMITTER.
 - INDICATE THE TIME OF ALARM ACTIVATION AT THE FIRE ALARM CONTROL PANEL, AND RECORD THE ALARM CONDITION ON THE LIFE SAFETY PRINTER.
 - MUSIC SHUTDOWN.
- ACTIVATION OF A SMOKE DETECTOR, DUCT DETECTOR, OR HEAT DETECTOR WILL DO THE FOLLOWING:
 - LIGHT AN ALARM INDICATOR AT THE FIRE ALARM CONTROL PANEL.
 - SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
 - DISPLAY AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE ON AN ENGLISH LANGUAGE DISPLAY.
 - SOUND THE LOCAL SMOKE BELL.
 - SOUND A TEMPORAL 3 CODE ON ALL HORNS.
 - ACTIVATE ALL STROBE LIGHTS.
 - ACTIVATE INTERFACE CONTROL RELAY TO SHUTDOWN ALL FANS OVER 2,000 CFM.
 - ACTIVATE INTERFACE CONTROL RELAY TO DE-ENERGIZE ANY ELECTRICALLY FAIL-SAFE DOORS IN THE PATH OF EGRESS.
 - ACTIVATE INTERFACE CONTROL RELAY TO CLOSE ALL FIRE SMOKE DAMPERS.
 - SEND A SMOKE ALARM SIGNAL TO CENTRAL STATION TRANSMITTER.
 - INDICATE THE TIME OF ALARM ACTIVATION AT THE FIRE ALARM CONTROL PANEL, AND RECORD THE ALARM CONDITION ON THE LIFE SAFETY PRINTER.
 - MUSIC SHUTDOWN.
- ACTIVATION OF AN ELEVATOR LOBBY SMOKE DETECTOR, OR EMR SMOKE DETECTOR WILL DO THE FOLLOWING:
 - LIGHT AN ALARM INDICATOR AT THE FIRE ALARM CONTROL PANEL.
 - SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
 - DISPLAY AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE ON AN ENGLISH LANGUAGE DISPLAY.
 - SOUND THE LOCAL SMOKE BELL.
 - SOUND A TEMPORAL 3 CODE ON ALL HORNS.
 - ACTIVATE ALL STROBE LIGHTS.
 - ACTIVATE INTERFACE CONTROL RELAY TO SHUTDOWN ALL FANS OVER 2,000 CFM.
 - ACTIVATE INTERFACE CONTROL RELAY TO DE-ENERGIZE ANY ELECTRICALLY FAIL-SAFE DOORS IN THE PATH OF EGRESS.
 - ACTIVATE INTERFACE CONTROL RELAY TO CLOSE ALL FIRE SMOKE DAMPERS.
 - SEND A SMOKE ALARM SIGNAL TO CENTRAL STATION TRANSMITTER.
 - INDICATE THE TIME OF ALARM ACTIVATION AT THE FIRE ALARM CONTROL PANEL, AND RECORD THE ALARM CONDITION ON THE LIFE SAFETY PRINTER.
 - ACTIVATE THE ELEVATOR CONTROLLER FOR ELEVATORS SERVING THE ALARMED FLOOR FOR AUTOMATIC RECALL TO THE GROUND FLOOR.
 - ACTIVATE THE ELEVATOR CONTROLLER FOR ELEVATORS SERVING THE ALARMED FLOOR FOR AUTOMATIC RECALL TO THE GROUND FLOOR.
 - MUSIC SHUTDOWN.
- ACTIVATION OF A WATERFLOW SWITCH WILL DO THE FOLLOWING:
 - LIGHT AN ALARM INDICATOR AT THE FIRE ALARM CONTROL PANEL.
 - SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
 - DISPLAY AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE ON AN ENGLISH LANGUAGE DISPLAY.
 - SOUND THE LOCAL WATERFLOW BELL.
 - SOUND A TEMPORAL 3 CODE ON ALL HORNS.
 - ACTIVATE ALL STROBE LIGHTS.
 - ACTIVATE INTERFACE CONTROL RELAY TO SHUTDOWN ALL FANS OVER 2,000 CFM.
 - ACTIVATE INTERFACE CONTROL RELAY TO DE-ENERGIZE ANY ELECTRICALLY FAIL-SAFE DOORS IN THE PATH OF EGRESS.
 - ACTIVATE INTERFACE CONTROL RELAY TO CLOSE ALL FIRE SMOKE DAMPERS.
 - SEND A WATERFLOW ALARM SIGNAL TO CENTRAL STATION TRANSMITTER.
 - INDICATE THE TIME OF ALARM ACTIVATION AT THE FIRE ALARM CONTROL PANEL, AND RECORD THE ALARM CONDITION ON THE LIFE SAFETY PRINTER.
 - ACTIVATE THE ELEVATOR CONTROLLER FOR ELEVATORS SERVING THE ALARMED FLOOR FOR AUTOMATIC RECALL TO THE GROUND FLOOR.
 - ACTIVATE THE ELEVATOR CONTROLLER FOR ELEVATORS SERVING THE ALARMED FLOOR FOR AUTOMATIC RECALL TO THE GROUND FLOOR.
 - MUSIC SHUTDOWN.
- ACTIVATION OF A TAMPER SWITCH, OR SUPERVISORY DEVICE WILL DO THE FOLLOWING:
 - LIGHT A SUPERVISORY INDICATOR AT THE FIRE ALARM CONTROL PANEL.
 - SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
 - DISPLAY AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR THE TEXT MESSAGE ASSOCIATED WITH THE ACTIVATED DEVICE ON AN ENGLISH LANGUAGE DISPLAY.
 - SEND A SUPERVISORY SIGNAL TO CENTRAL STATION TRANSMITTER.
 - INDICATE THE TIME OF SUPERVISORY ACTIVATION AT THE FIRE ALARM CONTROL PANEL, AND RECORD THE SUPERVISORY CONDITION ON THE LIFE SAFETY PRINTER.
- ACTIVATION OF A SYSTEM TROUBLE CONDITION WILL DO THE FOLLOWING:
 - LIGHT A TROUBLE INDICATOR AT THE FIRE ALARM CONTROL PANEL.
 - SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL.
 - DISPLAY AT THE FIRE ALARM CONTROL PANEL AND REMOTE ANNUNCIATOR THE TEXT MESSAGE ASSOCIATED WITH THE CIRCUIT IN TROUBLE ON AN ENGLISH LANGUAGE DISPLAY.
 - SOUND THE LOCAL TROUBLE BELL.
 - SEND A TROUBLE SIGNAL TO TROUBLE SIGNAL TO CENTRAL STATION TRANSMITTER.
 - INDICATE THE TIME OF TROUBLE ACTIVATION AT THE FIRE ALARM CONTROL PANEL, AND RECORD THE TROUBLE CONDITION ON THE LIFE SAFETY PRINTER.



NOTE:
MEASUREMENTS SHOWN ARE TO THE CLOSEST EDGE OF THE DETECTOR.

SPOT TYPE SMOKE DETECTOR
MOUNTING DETAIL
SCALE: N.T.S.

INPUT DEVICE	Output Function	Smoke A Temporal 3 CODED HORN SIGNAL ON ALL HORNS	Activate All Strobe Lights	Shutdown All Fans Over 2,000 CFM	Close All Fire Smoke Dampers	Activate Automatic Elevator Recall	De-Energize All Electrically Fail-Safe Doors In Path Of Egress	Sound Audible Signal At FACP	Light The Common Function Indicator At The FACP	Display Time Of Occurrence And Text Message At FACP & Remote Annunciator	Activate External Office Pull Station Alarm	Activate External Office Smoke Alarm	Activate External Office Waterflow Alarm	Activate External Office Strobe Alarm	Sound Local Smoke Bell	Sound Local Trouble Bell	Print Time Of Occurrence And Text Message At System Printer
MANUAL STATION		•	•	•	•	•	•	•	•								•
AREA SMOKE DETECTOR		•	•	•	•	•	•	•	•						•		•
AREA HEAT DETECTOR		•	•	•	•	•	•	•	•						•		•
DUCT SMOKE DETECTOR (HVAC)		•	•	•	•	•	•	•	•						•		•
ELEVATOR LOBBY SMOKE DETECTOR (VERIFIED)		•	•	•	•	•	•	•	•						•		•
ELEVATOR SHAFT / E.M.R. SMOKE DETECTOR		•	•	•	•	•	•	•	•						•		•
WATER FLOW DETECTOR		•	•	•	•	•	•	•	•		•				•		•
WIRING FAULT (SHORT, OPEN, GROUND)						•	•	•				•			•		•
O.S. & Y. TAMPER SWITCH						•	•	•				•					•

FIRE ALARM NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS, DIMENSIONS, & ARRANGEMENTS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL IDENTIFY INTERFERENCES BETWEEN WORK IN OTHER AREAS.
- THE DUST COVERS FURNISHED WITH THE SMOKE DETECTORS MUST BE INSTALLED WITH EACH DEVICE UNTIL FINAL CHECKOUT.
- INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE NATIONAL ELECTRIC CODE, LOCAL CODE(S), AND/OR AUTHORITY HAVING JURISDICTION.
- WIRING SHALL BE PER PLAN WITH RESPECT TO CONDUCTOR SIZE, TYPE, & QUANTITY. CONDUCTORS SHALL BE PERMANENTLY MARKED FOR FUTURE IDENTIFICATION. PERMANENT WIRE MARKERS SHALL BE USED TO IDENTIFY THE TERMINATIONS OF ALL CONDUCTORS WITHIN THE FACP, PULL BOXES AND OTHER PANELS.
- ALL CABLE AND WIRING SHALL BE COLOR CODED. DIFFERENT COLOR CODES SHALL BE USED FOR INITIATING, CONTROL, AND COMMUNICATION CIRCUITS. CIRCUITS WHERE POLARITY MUST BE OBSERVED, TWO DIFFERENT COLORS SHALL BE USED.
- THE NUMBER OF SPLICES SHALL BE HELD TO AN ABSOLUTE MINIMUM. WHERE SPLICES CANNOT BE AVOIDED AND AT THE TERMINATION OF ALL EQUIPMENT WHICH INCORPORATE PIVOTAL CONNECTING WIRES, EITHER PHENOLIC TERMINAL BLOCKS OR PRESSURE TYPE CONNECTORS SHALL BE UTILIZED. WIRE NUTS SHALL NOT BE USED. ALL SUCH SPLICES SHALL TAKE PLACE WITH JUNCTION BOXES. WHERE PRESSURE TYPE CONNECTORS ARE UTILIZED, BREAK THE WIRE RUN FOR PROPER SUPERVISION. DO NOT LOOP THE WIRE.
- ALL FIRE ALARM SYSTEM JUNCTION BOXES, AND PULL BOXES SHALL BE PAINTED RED. COVER PLATES SHALL BE PAINTED RED & MARKED 'FA'.
- IF CONDUIT IS UTILIZED, THE MINIMUM SIZE SHALL BE PROVIDED AS REQUIRED BY TABLE 4 CHAPTER 9, OF THE NATIONAL ELECTRIC CODE, USING ACTUAL CROSS SECTION AREA OF THE WIRING TO BE INSTALLED.
- DEDICATED 120vac POWER:
 - 120vac POWER SHALL NOT BE ALLOWED IN THE SAME CONDUIT AS 24vac.
 - ALL 120vac POWER CIRCUITS THAT FEED THE FIRE ALARM EQUIPMENT SHALL BE SHOWN ON THE AS BUILT DRAWINGS WITH THE CIRCUIT NUMBER & BREAKER PANEL LOCATION.
 - FIRE ALARM CONTROL PANEL 120vac POWER SHALL BE ON EMERGENCY POWER CIRCUITS & IN ADDITION BE PROVIDED WITH LOCKS ON THE CIRCUIT BREAKER TO PREVENT ACCIDENTAL POWER TURN OFF.
 - 120vac POWER SHALL NOT BE APPLIED TO FIRE ALARM PANEL WITHOUT DIRECT SUPERVISION OF TECHNICIAN.
 - AUXILIARY SURGE PROTECTION IS RECOMMENDED.
 - AC WIRING SHALL NOT BE RUN IN THE SAME CONDUIT AS POWER LIMITED WIRING.
 - WITHIN ENCLOSURES, MAINTAIN 2 INCHES BETWEEN AC AND POWER LIMITED WIRING.
- DIGITAL COMMUNICATOR:
 - PROVIDE A DIALER FOR USE IN OFF-PREMISES MONITORING OF THE CONTROL PANEL.
 - TO MEET NFPA 72 REQUIREMENTS, TWO TELEPHONE LINES MUST BE INSTALLED. ONE OF THESE LINES MUST BE DEDICATED FOR THE FIRE ALARM SYSTEM.
 - THE DACT UTILIZES SPECIAL DIALER JACKS. THE TELEPHONE COMPANY WILL INSTALL THESE RJ31X TYPE PHONE JACKS UPON REQUEST.
 - USE A MINIMUM OF 18 GAUGE TWISTED SHIELDED PAIR WITH 4 TWISTS PER FOOT FOR THE WIRING BETWEEN THE DIALER AND THE PANEL.
 - ALL WIRING SHALL BE CONTINUOUS, NO T-TAPPING (PARALLEL WIRING).
- ALL HORIZONTAL FIRE ALARM WIRING NOT IN CONDUIT SHALL BE TIED AND SUPPORTED AT 5'-0" (MAX) INTERVALS.
- ALL FIRE WALL AND /OR MASONRY WALL PENETRATIONS SHALL BE DRILLED, SLEEVED, BUSHED AT BOTH ENDS, AND SEALED WITH THE REQUIRED FIRE RATED CAULK OR FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATING.
- IF NOT IN CONDUIT, ALL CABLE SHALL BE PLENUM RATED IN COMPLIANCE WITH UL-910, AND NEC (NFPA-70), ARTICLE 800.
- THE INSTALLER IS RESPONSIBLE FOR METERING ALL WIRES TO ENSURE THAT THEY ARE FREE AND CLEAR OF GROUNDS, OPENS, SHORTS, CORRECT RESISTANCE, CAPACITANCE, AND PROPER SUPPORT PRIOR TO TERMINATION ON ANY FIRE ALARM EQUIPMENT. SIEMENS WILL NOT BEGIN CHECKOUT WITHOUT WRITTEN DOCUMENTATION CONFIRMING THIS WORK BEING PERFORMED. IF GROUNDS AND/OR SHORT ARE FOUND ON THE SYSTEM WIRING UPON INITIAL CHECKOUT, THAT INITIAL CHECKOUT WILL BE DISCONNECTED UNTIL ALL WIRING IS CORRECTED.
- TEE BARS SHALL BE USED TO SUPPORT JUNCTION BOXES OF ALL SUSPENDED CEILING MOUNTED DEVICES.
- INSTALLING CONTRACTOR SHALL RETURN ONE SET OF ACCURATELY MARKED DRAWINGS FOR 'AS BUILT' PURPOSES, WITH ACTUAL WIRE RUNS AND EQUIPMENT LOCATIONS.
- FOR ADDITIONAL INSTALLATION INSTRUCTIONS, REFER TO CATALOG CUT SHEETS AND/OR INSTALLATION INSTRUCTIONS.
- DUCT SMOKE DETECTORS (DSD) TO BE FURNISHED AND INSTALLED BY FA-SYSTEM CONTRACTOR.

I/O MATRIX

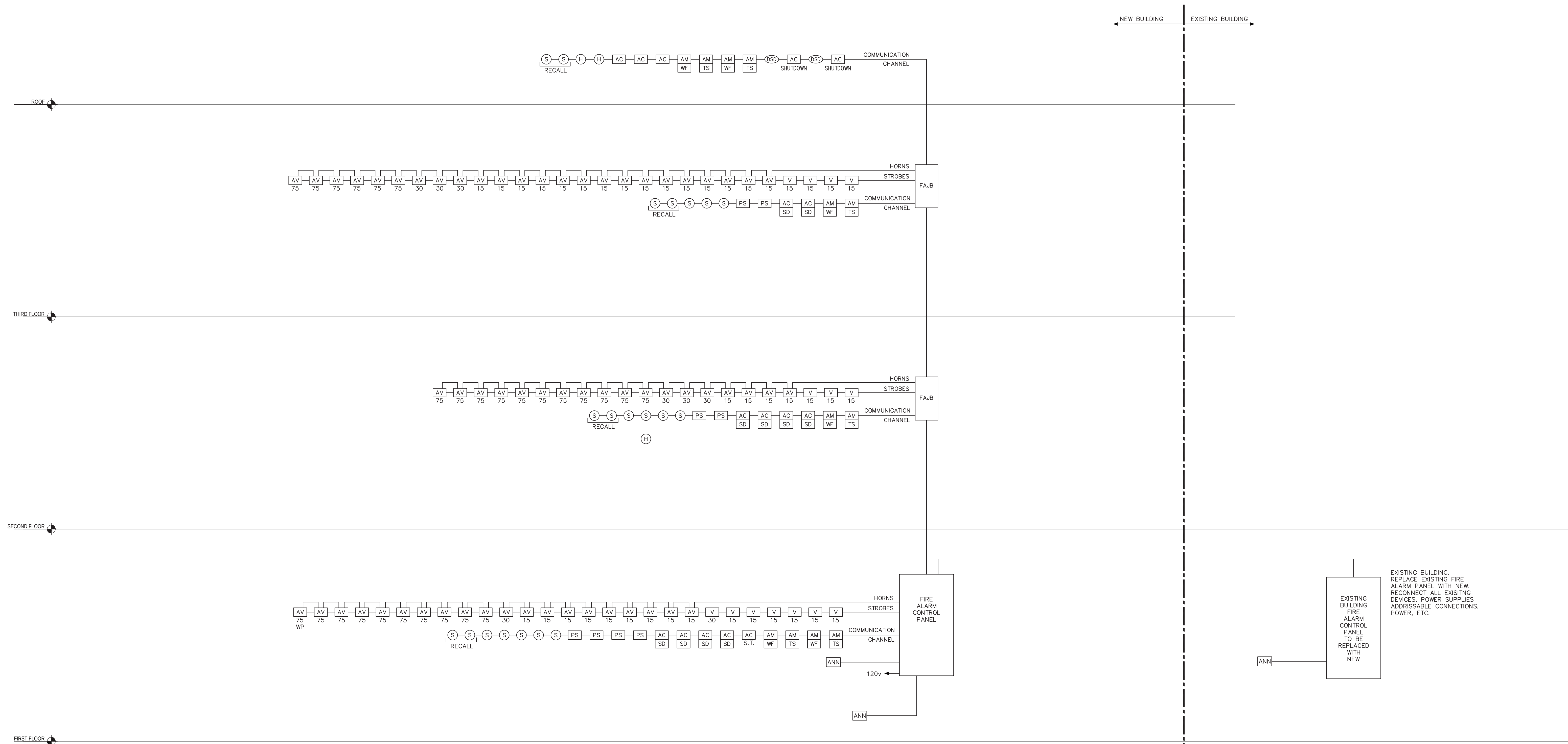
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ORANGE AND ROCKLAND UTILITIES, INC.
SPRING VALLEY NEW YORK

Omdex Incorporated Consulting Engineers 21 Cross Avenue Walling Ford, NJ 07422-0901 (201) 444-0253 FAX (201) 444-0839		SNS ARCHITECTS & ENGINEERS 201.573.1767 fax:201.573.0808 www.sns-orcn-eng.com DRAFTED: MJR CHECKED: [] PROJ. NO: 5593 DATE: 08.11.2024		ENGINEERING REVIEW DEPT. [] SIGNATURE [] DATE [] CIVIL [] METEERING [] RELAY [] TRENCH & SUB []		APPROVED [] DATE [] ☐ INFORMATION ☐ COMMENTS ☐ BID ☐ CONSTRUCTION		NEW BUILDING - FIRE ALARM DETAILS SVOC NEW OFFICE ADDITION TAX MAP ID 06.52-1-2 580 WEST ROUTE 58 VILLAGE OF SPRING VALLEY TOWN OF RAMAPO ROCKLAND COUNTY, NEW YORK	
DESIGN REVIEW [] DATE [] VILLAGE OF SPRING VALLEY		SCALE [] AS NOTED		FILE NO. [] FA-201		SHEET 94 OF 95		REV. []	
Brian W. Panschnick, PE NY #91385		Lorin J. Sonenshine, AIA Cert./Lic. No. NY 01601		SNS Architects & Engineers, PC ONE PARAGON DRIVE . MONTVALE . NEW JERSEY . 07645		JOHN LIGNOS, AIA Lorin J. Sonenshine, AIA Steven Napolitano, PE, PP Robert Nocella, AIA			



ROOF DEVICES NOTE
ALL DUCT MOUNTED SMOKE DETECTORS AND OTHER ADDRESSABLE DEVICES SHALL BE LOCATED WITHIN HEATED BUILDING ENVELOPE, IF NOT PROVIDE HEATED ENCLOSURES TO PROTECT DEVICE AGAINST LOW TEMPERATURES AND PRECIPITATION, PROVIDE 120v TO NEAREST ELECTRICAL PANEL AS REQUIRED.



FOR EXACT QUANTITY OF DEVICES AND LOCATIONS
REFER TO FLOOR PLANS

FIRE ALARM RISER DIAGRAM
NOT TO SCALE

NOTES:

1. FOR EXACT QUANTITY AND LOCATION OF ALL DEVICES REFER TO FLOOR PLANS.
2. UPON ACTIVATION OF EITHER TOP OF SHAFT OR ELEVATOR LOBBY OR ELEVATOR MACHINE ROOM SMOKE DETECTOR, ELEVATOR SHALL BE RECALLED TO ITS PRIMARY FLOOR. SHALL PRIMARY FLOOR ELEVATOR LOBBY SMOKE DETECTOR BE ACTIVATED, ELEVATOR SHALL BE RECALLED TO ITS PRIMARY FLOOR.
3. UPON ACTIVATION OF EITHER ELEV. PIT TOP OF SHAFT OR ELEVATOR MACHINE ROOM HEAT DETECTOR, SHAFT SHUNT POWER TO ELEV. CONTROLLER.
4. EXACT WIRE SIZE & QUANTITY SHALL BE PER SYSTEM MANUFACTURERS RECOMMENDATIONS. ALL WIRING SHALL BE RUN CONCEALED ABOVE THE GELING AND/OR IN WALLS. SHALL HAVE INSULATION TYPE PLP&P AS A MINIMUM. WHERE RUN IN EXPOSED AREAS I.E., MECHANICAL ROOMS, WIRING SHALL BE RUN IN EMT.
5. ENTIRE INSTALLATION SHALL BE IN CONFORMANCE WITH NJ UCC, NFPA, NEC, IBC-NJ.
6. PROVIDE MINIMUM 2 VERTICAL STROBE CIRCUITS PER FLOOR, MORE IF REQUIRED NO MORE THAN (10) STROBES PER CIRCUIT.
7. ALL VERTICAL WIRING RISERS SHALL BE RUN WITHIN CONDUIT RISER. PAINT CONDUIT RISER AND FA-B'S FIRE ENGINE RED, OIL BASE PAINT STENCIL FIRE ALARM.

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