STATE OF CONNECTICUT



NED M. LAMONT GOVERNOR

DEPARTMENT OF ADMINISTRATIVE SERVICES JOSH GEBALLE COMMISSIONER

FIRE ALARM SYSTEM REPLACEMENT 505 HUDSON STREET HARTFORD, CT 06106

PROJECT NO. BI-2B-401

ANSONIA, CONNECTICUT

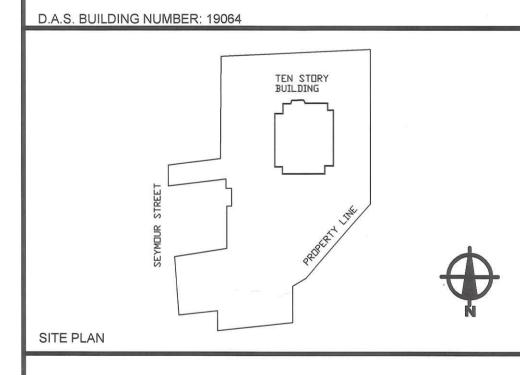
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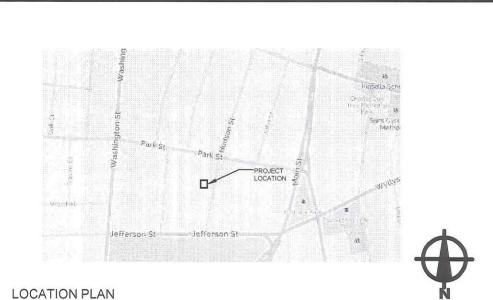
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CONTRACT DRAWINGS TITLE **COVER SHEET** ELECTRICAL NOTES AND SYMBOL LIST FIRE ALARM RISER DIAGRAM BASEMENT FIRE ALARM PLAN GROUND FLOOR FIRE ALARM PLAN FIRST FLOOR FIRE ALARM PLAN SECOND FLOOR FIRE ALARM PLAN THIRD FLOOR FIRE ALARM PLAN FOURTH FLOOR FIRE ALARM PLAN FIFTH FLOOR FIRE ALARM PLAN SIXTH FLOOR FIRE ALARM PLAN SEVENTH FLOOR FIRE ALARM PLAN EIGHTH FLOOR FIRE ALARM PLAN NINTH FLOOR FIRE ALARM PLAN TENTH FLOOR FIRE ALARM PLAN ROOF FIRE ALARM PLAN FA200 FIRE ALARM DETAILS BASEMENT FIRE ALARM DEMOLITION PLAN GROUND FLOOR FIRE ALARM DEMOLITION PLAN FIRST FLOOR FIRE ALARM DEMOLITION PLAN SECOND FLOOR FIRE ALARM DEMOLITION PLAN THIRD FLOOR FLOOR FIRE ALARM DEMOLITION PLAN FOURTH FLOOR FIRE ALARM DEMOLITION PLAN FIFTH FLOOR FIRE ALARM DEMOLITION PLAN SIXTH FLOOR FIRE ALARM DEMOLITION PLAN SEVENTH FLOOR FIRE ALARM DEMOLITION PLAN EIGHTH FLOOR FIRE ALARM DEMOLITION PLAN NINTH FLOOR FIRE ALARM DEMOLITION PLAN TENTH FLOOR FIRE ALARM DEMOLITION PLAN ROOF FIRE ALARM DEMOLITION PLAN





FIRE ALARM GENERAL NOTES:

- 1. THIS IS AN EXISTING BUILDING WITH AN EXISTING FIRE ALARM SYSTEM. THE FIRE ALARM SYSTEM SHALL BE KEPT IN OPERATION AT ALL TIMES DURING THE CONSTRUCTION. THE EXISTING SYSTEM SHALL REMAIN IN SERVICE UNTIL THE NEW SYSTEM HAS BEEN INSTALLED, TESTED AND ACCEPTED BY AHJ.
- 2. IF THE FIRE ALARM SYSTEM NEEDS TO REMAIN OUT OF SERVICE FOR MORE THAN FOUR HOURS THE CONTRACTOR SHALL INFORM THE LOCAL FIRE DEPARTMENT AND MAKE ARRANGEMENTS WITH THE BUILDING OWNER TO PROVIDE ALL THE REQUIRED FIRE WATCH PERSONNEL.
- 3. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES, INCLUDING THE LATEST APPROVED EDITION OF THE <u>NATIONAL ELECTRICAL CODE</u>, AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
- VERIFY AND COORDINATE EXACT LOCATIONS OF SERVICES, OUTLETS AND CONTROLLERS WITH INSTALLER OF THE EQUIPMENT TO BE SERVED. OUTLETS SHOWN ON DRAWINGS ARE FOR ROUGH-IN PURPOSES. PROVIDE COMPLETE 4. CONNECTIONS TO THE EQUIPMENT FROM OUTLET BOXES.
- 5. ELECTRICAL CONTRACTOR TO PROVIDE ALL HARDWARE, AS REQUIRED AND AS INDICATED, TO MOUNT AND SECURE ALL FIXTURES, DEVICES, CONDUIT, AND ANY OTHER MATERIAL FURNISHED UNDER THIS SECTION OF WORK.
- 6. ALL ELECTRICAL SYSTEMS SHALL BE GROUNDED; GROUNDING TO INCLUDE A DEDICATED CONDUCTOR FOR ALL CIRCUITS 15 AMPS AND LARGER AND AS INDICATED ON THE DRAWINGS, SIZED IN ACCORDANCE WITH <u>ARTICLE 250</u> OF <u>THE NATIONAL ELECTRIC CODE</u>.
- 7. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMEN LIKE MANNER AND IN ACCORDANCE WITH THE BUILDING OWNERS' STANDARDS.
 COORDINATE ALL "NOISY" CONSTRUCTION (I.E. CORE DRILLING, HAMMER DRILLING, ETC.) WITH BUILDING MANAGEMENT AND OWNER. PREMIUM TIME MAY BE REQUIRED FOR MUCH OF THIS WORK.
- 8. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ENGINEERS' REVIEW, FOR ALL EQUIPMENT AND MATERIAL FURNISHED UNDER THIS SECTION OF WORK.
- 9. ALL CONDUIT AND WIRE SHALL BE SIZED IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE NATIONAL ELECTRIC CODE, INCLUDING ALL REVISIONS AND ADDENDA; MINIMUM SIZE CONDUIT SHALL BE 3/4".
- 10. ALL CONDUCTORS SHALL BE STRANDED, UNLESS PART OF A PREFABRICATED ASSEMBLY (BX OR MC). CONDUCTORS SHALL BE NPLFA OR PLFA TYPE, AS SPECIFIED IN NFPA ARICLE 760. USE ONLY "CI" CABLE FOR ALL THE FIRE ALARM AND AREA OF RESCUE RISERS IN THE BUILDING .ALL CABLES SHALL BE IN CONDUIT.
- 11. CONDUCTORS SHALL BE SUITABLE FOR USE IN WET AND DRY LOCATIONS, AND SHALL BE ANNEALED COPPER; NO ALUMINUM CONDUCTORS SHALL BE PERMITTED.
- 12. ALL MATERIAL SHALL BEAR THE MARK OF APPROVAL OF UNDERWRITER'S LABORATORIES (UL LISTED).
- 13. ALL FIRE ALARM DEVICES SHALL BE NEW, SPECIFICATION GRADE. COLOR RED.
- 14. REFER TO SPECIFICATION SECTIONS DIVISION 26 FOR FURTHER REQUIREMENTS.
- 15. EXISTING EQUIPMENT AND DEVICES ARE SHOWN ON PLANS FOR REFERENCE ONLY. COORDINATE AND VERIFY IN FIELD EXACT LOCATION AND MOUNTING HEIGHT FOR DEVICES AND OUTLETS WITH THE INSTALLED EQUIPMENT.
- 16. ALL PULL AND JUNCTION BOXES SHALL BE SIZED IN ACCORDANCE WITH <u>ARTICLE 314</u> OF THE <u>NATIONAL ELECTRICAL CODE</u>.
- 17. FOR EXACT LOCATION OF ALL MECHANICAL, PLUMBING, FIRE PROTECTION, AND OWNER FURNISHED EQUIPMENT, REFER TO DRAWINGS OF THOSE TRADES, AND COORDINATE ALL NEW ELECTRICAL WORK WITH THOSE RESPECTIVE CONTRACTORS. SELECTED CONTRACTOR(S) TO REQUEST AS-BUILT DRAWINGS AS REQUIRED FROM THE BUILDING
- 18. ALL EXPOSED CONDUITS, WIRE WAYS, ETC. MUST BE REVIEWED AND APPROVED IN WRITING BY ARCHITECT PRIOR TO INSTALLATION AND/OR DEVELOPMENT OF SHOP DRAWINGS.
- 19. FIELD COORDINATE EXACT LOCATION OF CEILING MOUNTED DEVICES.

PROPERTY MANAGER DURING CONSTRUCTION.

- 20. WHEN DISCREPANCIES EXIST BETWEEN DRAWINGS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST RESTRICTIVE, MOST EXPENSIVE ALTERNATIVE SHALL APPLY.
- 21. FIELD VERIFY THE NUMBER OF EXISTING SMOKE DETECTORS TO BE REPLACED.
- 22. THE CONTRACTOR SHALL AVOID SHUTTING DOWN THE THE BUILDING SERVICES AND CREATE ANY INCONVENIENCE TO THE BUILDING TENANTS. ANY WORK SUSPECTED OF CREATING DISTURBANCES SHALL BE PERFORMED AFTER-HOURS OR OVER THE WEEKEND. ALL FIRE WATCH REQUIREMENTS WILL BE SUPPLIED BY BUILDING MAINTENANCE PERSONNEL WITH A MINIMUM 48 HOURS NOTICE.
- 23. REFER TO NEC TABLE 760.176 (G) FOR CABLE MARKING.
- 24. ALL DEVICE BACK-BOXES TO BE RECESSED AND DEVICES FLUSH-MOUNTED. ALL CONDUIT AND CABLES TO BE INSTALLED CONCEALED IN WALLS AND ABOVE CEILINGS.
- 25. WHERE NEW DEVICES AND / OR EQUIPMENT ARE ALLOWED TO BE INSTALLED ON EXISTING (TO REMAIN) MASONRY WALLS, USE SURFACE BOXES AND RACEWAYS(S) AS MANUFACTURED BY WIREMOLD, 700 SERIES. ALL SURFACE MOUNTED RACEWAYS MUST BE APPROVED IN WRITING BY THE ARCHITECT / ENGINEER.
- 26. WHEN DISCREPANCIES EXIST BETWEEN DRAWINGS OR BETWEEN DRAWINGS AND SPECIFICATIONS. THE MOST RESTRICTIVE, MOST EXPENSIVE ALTERNATIVE SHALL APPLY.
- 27. PROVIDE FIRE PUTTY BEHIND ALL DEVICE BOXES, ETC. INSTALLED WITHIN RATED WALLS AND CEILINGS.
- 28. ALL EXISTING MECHANICAL SYSTEMS TO REMAIN AS IS. NEW FIRE ALARM DEVICES/SYSTEM TO CONNECT TO EXISTING MECHANICAL EQUIPMENT AND DEVICES. VERIFY EXISTING MECHANICAL SYSTEMS ARE FUNCTIONING PROPERLY AND ALL COMPONENTS ARE IN GOOD WORKING CONDITION PRIOR TO BEGINNING WORK. INFORM THE BUILDING PROPERTY MANAGER OF ANY COMPONENTS/DEVICES/SYSTEMS NOT FUNCTIONING PROPERLY PRIOR TO DISCONNECTING EXISTING FIRE ALARM DEVICES AND RECONNECTING NEW COMPONENTS.
- 29. ONLY CABLES AND/OR CONDUITS ASSOCIATED WITH THE ELEVATOR EQUIPMENT/SYSTEMS SHALL BE INSTALLED WITHIN THE ELEVATOR SHAFT(S).
- 30. IN ADDITION TO THOSE LISTED IN THE SPECIFICATIONS AND REQUIRED BY CODE, THE FIRE ALARM CONTROL PANEL WILL PROVIDE THE FOLLOWING INDICATIONS: STATUS/ALARMS FOR ELEVATOR RECALL; STATUS/ALARMS FOR ELEVATOR SHUNT-TRIP; STATUS/ALARMS FOR EACH FLOOR AIR-HANDLING UNIT(S); STATUS/ALARMS FOR THE FIRE PUMP; STATUS/ALARMS FOR THE EMERGENCY GENERATOR SYSTEM; STATUS/ALARMS FOR THE STAIRWELL PRESSURIZATION SYSTEMS; STATUS/ALARMS OF ACCESS DOORS; INDICATION OF UNLOCKING DOORS.
- 31. ANY NEW FIRE ALARM EQUIPMENT BEING INSTALLED SHOULD BE FM APPROVED.
- 32. ONCE THE FIRE ALARM SYSTEM IS INSTALLED, AN ACCEPTANCE TEST SHALL BE CONDUCTED ON 100% OF THE SYSTEM AS OUTLINED IN FM GLOBAL PROPERTY LOSS PREVENTION DATA SHEETS. ALL TESTING SHOULD BE PERFORMED ONLY AFTER THE BUILDING OWNER AND AUTHORITY HAVING JURISDICTION HAVE BEEN NOTIFIED AND OUTPUT CIRCUITS HAVE BEEN DISABLED.
- 33. PROVIDE PHOTOELECTRIC OR COMBINATION PHOTOELECTRIC AND IONIZATION SMOKE DETECTORS IN ELECTRICAL ROOMS TO SOUND AN ALARM AT A CONSTANTLY ATTENDED LOCATION, REGARDLESS OF ANY AUTOMATIC SPRINKLER PROTECTION OR HEAT DETECTION THAT MAY EXIST.
- 34. FOLLOW THE MANUFACTURER'S GUIDELINES TO ASSIST WITH A DETERMINATION OF SMOKE DETECTOR SPACING. FOR SPOT-TYPE SMOKE DETECTORS ON SMOOTH CEILINGS WITH LITTLE OR NO FORCED AIR FLOW IN THE ROOM, USE A MAXIMUM COVERAGE OF 900 SQ. FT. PER DETECTOR. ALSO PROVIDE DUCT DETECTORS WHERE SMOKE CAN BE TRANSPORTED TO SENSITIVE AREAS. IF DUCT DETECTORS ARE PROVIDED, PROVIDE DETECTORS DOWNSTREAM OF FANS AND FILTERS AND UP STREAM OF CONNECTIONS TO A COMMON RETURN ON EACH FLOOR OF THE BUILDING AND ARRANGED IN ACCORDANCE WITH FM GLOBAL DATA SHEETS.

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	SYSTEM OUTPUTS		$\overline{}$	CONTI	ROL UN	IIT ANN	IUNCIA		$\overline{}$				NOTIFIC		1				/ F	FIRE SA	FETY (CONTR	OL
	INDICATING/CONTROL DEVICES STEM INPUTS INITIATING VICES	ACTIVATE COMMON ALL	ACTIVATE COMMON SINGLAND SONAL SIGNAL SIGNAL SIGNAL SIGNAL SIGNAL NO OUT YNG ALARM ALARM INDICATION SI	MUNCAURE, PROJECTORY ACTIVATE COMMONTRY NOTATION COMMONTRY ANNTON COMMONTRY ANNT	SOWD MIERNAL CONTINGEN SOWD MIERNAL AND OUTLYNGEN ALARM CONTERNAL	TEXT MESSAGES DISPLATERED TO THE DEVICES ONTO USE DEVICES ONTO USE DISPLAY.	EVABLE ALL SMOKE CONTROL	TROLOPENTO PER ALARIN TRANSMIT WATER: MONT WATER:	ACTIVATE REIL	ACTIVATE VOICE ANNUNCIATOR PANEL STROBE USPECE EVA	TRANSMIT NAMEN THE BULDING	TRANSMIT SMOKEHEN	TRANSMT COMPANY ALARIN SIGNAL APPROVED CO ALARIN SIGNAL MONITOR: CENTERNE	TRANSMIT SUPERVISOR APONAL TO SUPERVISOR MOTEOUR TO SUPERVISOR	TRANSINT TROUBLE	SMANY, STATION IN MARKINSIGNAL TO STAIR DOORS AND STORING UNICOCK OORS AND GAL	MITIATES COM	NUTATE THE CORD, PANEL PRINTER TO CONTROL MODELLING MODELLING	TURN OF E.	PELEASE ALL C.	RECALL ELEV.	TORS TO GROUND FLOOR	
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1	MANUAL STATION	•			•	•			•	•	•					•	•			•			1
	AREA SMOKE, HEAT, DUCT SMOKE	•			•	•			•	•		•				•	•	•		•			2
3	ELEVATOR LOBBY AND SHAFT SMOK DETECTORS	E •			•	•			•	•		•					•				•		3
4	ACTIVATION OF WATER FLOW SWITC	:н •			•	•		•	•	•							•	•		•			4
5	ACTIVATION OF ANSUL SYSTEM	•			•	•			•	•							•	•					5
6	ACTIVATION OF TAMPER SWITCH		•		•	•			•					•			•						6
7	FIRE DRILL KEY SWITCH									•							•						7
8	FIRE ALARM AC POWER FAILURE			•	•	•			•						•		•						8
9	FIRE ALARM SYSTEM LOW BATTERY			•	•	•			•						•		•						9
10	OPEN CIRCUIT			•	•	•			•						•		•						10
11	GROUND CIRCUIT			•	•	•			•						•		•						11
12	NOTIFICATION APPLIANCE SHORT CIRCUIT			•	•	•			•						•		•						12
13	CARBON MONOXIDE DETECTOR			•	•	•			•				•		•		•						13
14	ELEVATOR SHAFT HEAT DETECTORS																		•		•		14

MATRIX TABLE

AE	ABBREVIATION LIST							
E	EXISTING TO REMAIN							
RE	EXISTING TO BE REMOVED							
RL	EXISTING TO BE RELOCATED							
NL	NEW LOCATION OF EXISTING TO BE RELOCATED							
AFF	ABOVE FINISHED FLOOR							
BFC	BELOW FINISHED CEILING							
GFI	GROUND FAULT PROTECTED							
UON	UNLESS OTHERWISE NOTED							
WP	WEATHERPROOF PROTECTION (ENCLOSURE)							

SMOKE CONTROL:

SEQUENCE OF OPERATIONS:

SMOKE CONTROL SEQUENCE OF OPERATIONS:

THE BUILDING IS GENERALLY DIVIDED INTO ELEVEN (11) SMOKE CONTROL ZONES PLUS THE SMOKE-PROOF EGRESS STAIR TOWERS AND ELEVATOR SHAFTS. THE BUILDING SMOKE CONTROL APPROACH IS GENERALLY THE PRESSURE SANDWICH CONCEPT, IE. FIRE FLOOR IS PURGED WHILE FLOORS ABOVE AND BELOW THE FIRE FLOOR ARE PRESSURIZED AND STAIRWELLS ARE PRESSURIZED. UPON ACTIVATION OF ANY FIRE ALARM IN THE BUILDING THE STAIRWELL PRESSURIZATION FANS ACTIVATE.

THE GROUND FLOOR GARAGE IS SERVED BY SUPPLY AIR AND EXHAUST AIR FANS. IF THERE IS A FIRE ALARM IN THIS ZONE THE SUPPLY AND EXHAUST FANS ARE ENERGIZED TO PURGE SMOKE FROM THIS ZONE. STAIR PRESSURIZATION FANS ACTIVATE AND THE TWO FLOORS ABOVE THE GROUND FLOOR ARE INDEXED TO PRESSURIZATION MODE.

OFFICE FLOOR (TYPICAL) - EACH TENANT FLOOR IS CONFIGURED WITH AN AIR CONDITIONING UNIT WITH SUPPLY FAN, OUTDOOR AIR AND RETURN AIR DAMPERS, EXHAUST FAN WITH EXHAUST AIR DAMPER.

UPON ACTIVATION OF THE FIRE ALARM SYSTEM FOR A TYPICAL FLOOR (SPRINKLER WATER FLOW SWITCH, AREA OR DUCT SMOKE DETECTOR) THE FIRE FLOOR SHALL BE INDEXED TO THE SMOKE EXHAUST MODE WHILE TWO FLOORS ABOVE THE FIRE FLOOR AND ONE FLOOR BELOW THE FIRE FLOOR SHALL BE INDEXED TO THE PRESSURIZATION MODE.

FLOOR SMOKE EXHAUST MODE - IN THIS MODE THE AIR CONDITIONING SUPPLY FAN SHALL BE DE-ENERGIZED, THE OUTDOOR AIR AND RETURN AIR DAMPER SHALL BOTH CLOSE, THE EXHAUST AIR FAN SHALL ENERGIZE AND THE EXHAUST AIR DAMPER SHALL OPEN.

FLOOR PRESSURIZATION MODE - IN THIS MODE THE AIR CONDITIONING SUPPLY FAN SHALL BE ENERGIZED, THE OUTDOOR AIR DAMPER SHALL OPEN, ALL VAV BOXES SHALL BE INDEXED OPEN, THE RETURN AIR AND EXHAUST AIR DAMPERS SHALL BOTH CLOSE AND THE EXHAUST AIR FAN SHALL DE-ENERGIZE.

SUPPLY AIR FAN DUCT SMOKE DETECTORS - A DUCT DETECTOR AT THE DISCHARGE OF EACH FAN SHALL DE-ENERGIZE THE FAN SHOULD THE DUCT DETECTOR ACTIVATE TO PREVENT SMOKE FROM BEING CONVEYED THROUGH THE HVAC SYSTEM AND SHALL OVERRIDE THE AUTOMATIC SMOKE CONTROL OPERATION.

ELEVATOR SHAFTS - SMOKE DETECTORS AT THE TOP OF EACH ELEVATOR SHAFT SHALL OPEN SHAFT EXHAUST AIR DAMPER UPON SENSING SMOKE AT THE TOP OF THE SHAFT TO VENT THE SHAFT OF SMOKE.

FIREMANS SMOKE CONTROL OVERRIDE PANEL - THE FIRE ALARM PANEL SHALL BE PROVIDED WITH A SMOKE CONTROL SYSTEM OVERRIDE PANEL WITH THREE POSITION MANUAL SWITCHES FOR EACH SMOKE CONTROL ZONE.

THE THREE POSITION SWITCHES SHALL HAVE THE FOLLOWING MODES; PRESSURIZATION MODE, AUTO MODE AND PURGE MODE. THIS PANEL SHALL ALLOW THE FIRE DEPARTMENT TO OVERRIDE THE FIRE ALARM AND HVAC SYSTEMS AUTOMATIC CONTROL FUNCTIONS TO EFFECT PRESSURIZATION AND PURGE MODES BASED ON FIREMAN'S FIELD OBSERVATIONS.

THE FIREMAN'S SMOKE CONTROL PANEL SHALL BE FITTED WITH INDICATING LIGHTS TO INDICATE THE STATUS OR POSITION OF EACH FAN AND DAMPER ASSOCIATED WITH SMOKE CONTROL. EVERY SUPPLY AND EXHAUST FAN SHALL HAVE AN ON-OFF LIGHT AND EACH DAMPER SHALL HAVE AN OPEN-CLOSED LIGHT. FAN STATUS SHALL BE MONITORED THROUGH EITHER MOTOR CONTROLLER AUXILIARY CONTACTS OR DIFFERENTIAL PRESSURE SWITCHES AND DAMPER POSITION SHALL BE THROUGH DAMPER POSITION LIMIT SWITCHES.

GENERAL CONSTRUCTION NOTES:

IN AREAS WHERE DEVICES/COMPONENTS ARE REMOVED AND NOT REPLACED IN THE SAME LOCATION, PATCH WALL AND MATCH EXISTING WALL COVERINGS.

INTERIOR FINISHES IN ALL EXITS AND AT ALL ACCESS TO EXITS SHALL BE CLASS "A" FINISHES. INTERIOR FINISHES AT ALL OTHER SPACES SHALL BE CLASS "A" OR CLASS "B" FINISHES.

PAINTED WALLS SHALL HAVE LEVEL 4 TAPING PRIOR TO APPLYING PAINT.

SYMBOL LIST

	NEW SYMBOLS
OR S	FIRE ALARM SPEAKER/STROBE WALL MOUNTED MAX. 80" AFF (WP = WEATHER-RESISTANT)
	FIRE ALARM SPEAKER/STROBE CEILING MOUNTED
	FIRE ALARM STROBE MAX. 80" AFF
Ċ	FIRE ALARM STROBE CEILING MOUNTED
<u>(S)</u>	FIRE ALARM SMOKE DETECTOR - IN SPACE
SSF	FIRE ALARM SMOKE DETECTOR - SUBFLOOR
S (C)	FIRE ALARM SMOKE \ CO DETECTOR
(DS)	DUCT SMOKE DETECTOR- SUPPLY
(DR)	DUCT SMOKE DETECTOR - RETURN
⟨S⟩ _E	ELEVATOR SMOKE DETECTOR
⟨ H⟩	CONVENTIONAL HEAT DETECTOR
H	135 DEGREE HEAT DETECTOR
	200 DEGREE HEAT DETECTOR
F	MANUAL PULL STATION 48" AFF (WP = WEATHER-RESISTANT)
FS	FIRE ALARM SPRINKLER FLOW SWITCH
TS	FIRE ALARM SPRINKLER TAMPER SWITCH
FM	FIRE ALARM FAN MODULE
DM	FIRE ALARM DAMPER MODULE
FDM	DUAL POINT MONITOR MODULE
MM OR FMM	FIRE ALARM MONITOR MODULE
TM OR FTM	FIRE FIGHTER TELEPHONE MODULE
ZM OR FZM	ZONE MONITOR MODULE
SPM	STAIR PRESSURIZATION MODULE
RTS	REMOTE TEST SWITCH
DH .	MAGNETIC DOOR HOLDER
ML	MAGNETIC DOOR LOCK
FACP	FIRE ALARM CONTROL UNIT
ANN	FIRE ALARM ANNUNCIATOR
4	FIRE FIGHTER TELEPHONE JACK WITH END OF LINE RESISTOR
	END OF LINE RESISTOR
RM OR FRM	FIRE ALARM ADDRESABLE RELAY MODULE
DMM	FIRE ALARM DUAL POINT MONITOR MODULE
ĪC	AREA OF RESCUE TWO WAY INTERCOM, TWO WAY PUSH-BUTTON TO CENTRAL STATION LOCATED IN MAIL LOBBY
	LIMIT SWITCH
J	CEILING MOUNTED JUNCTION BOX
	OLD SYMBOLS (DEMOLITION PLANS)
V	FIRE ALARM STROBE LIGHT
②	FIRE ALARM SMOKE DETECTOR
A	FIRE ALARM CEILING SPEAKER
F	MANUAL PULL STATION

DEMOLITION NOTES:

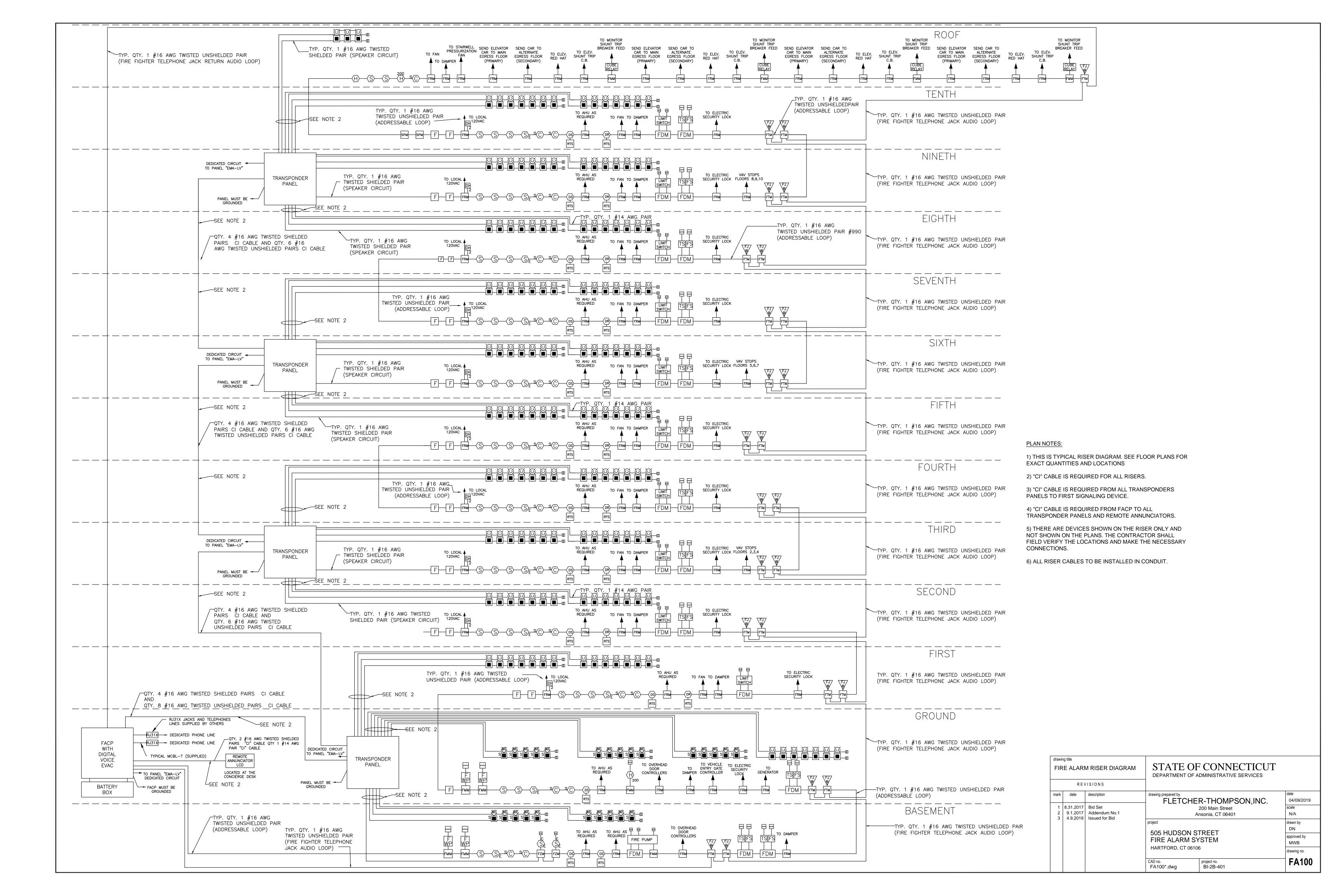
1. WHERE THE REMOVAL OF ANY DEVICE, FIXTURE, AND/OR EQUIPMENT INTERRUPTS THE CONTINUITY OF AN EXISTING CIRCUIT INTENDED TO REMAIN, PROVIDE ALL CONNECTIONS AND CIRCUITRY NECESSARY TO MAINTAIN EXISTING CIRCUIT CONTINUITY.

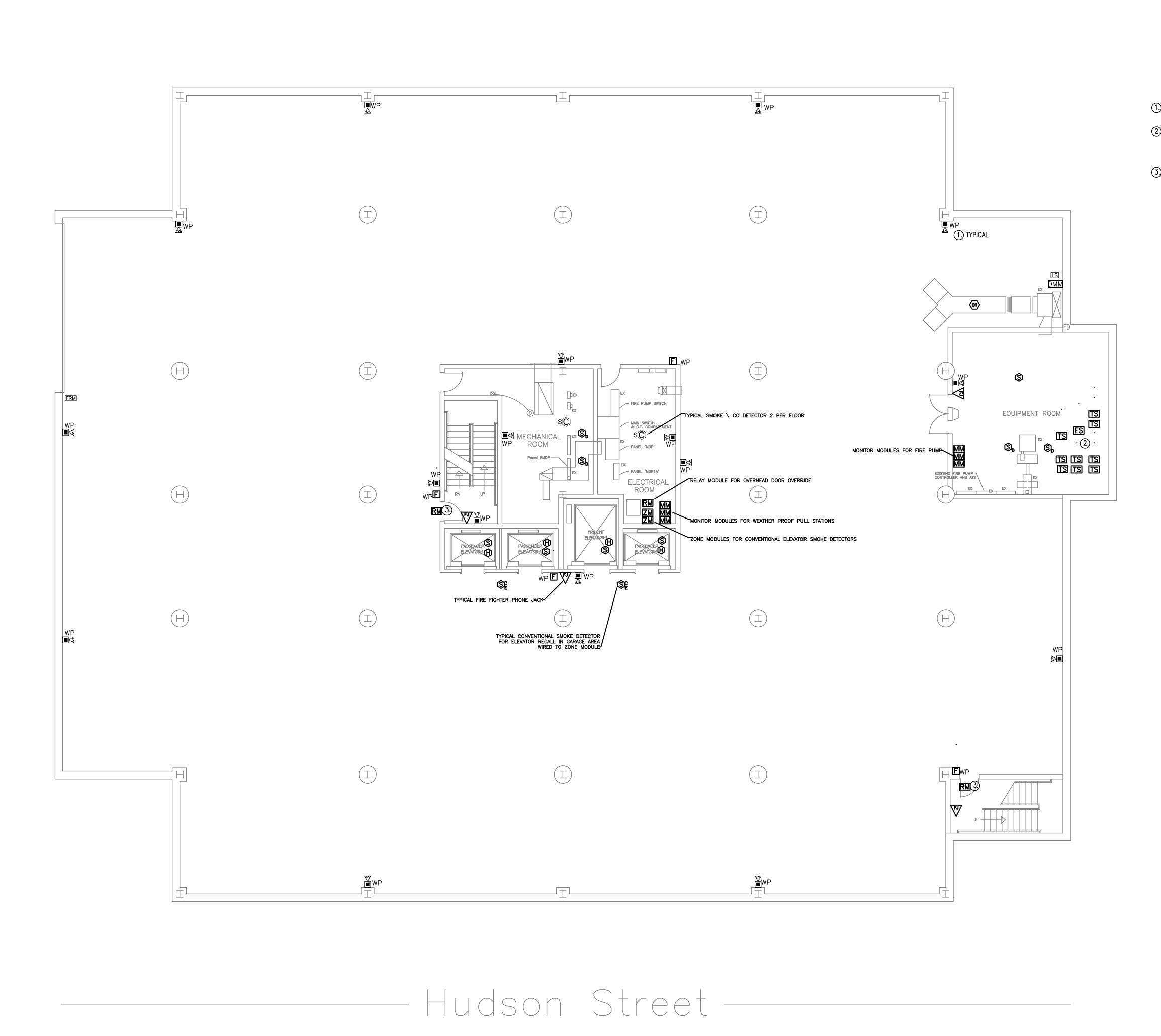
2. EXACT LOCATION OF ALL EXISTING MATERIALS INTENDED TO REMAIN OR TO BE RELOCATED SHALL BE ESTABLISHED AND VERIFIED IN FIELD.

3. REMOVAL OF ANY ELECTRICAL MATERIAL SHALL INCLUDE THE REMOVAL OF ALL CONTROL DEVICES INCLUDING SWITCHES, WIRES AND CONDUIT (WHERE PRACTICAL) ASSOCIATED WITH SUCH MATERIAL, UNLESS OTHERWISE NOTED. DISPOSE OFF PROPERLY ALL THE MATERIAL NOT TO BE REUSED.

4. RELOCATION OF ANY ELECTRICAL MATERIAL SHALL INCLUDE THE EXTENSION OF ALL BRANCH CIRCUIT FEEDERS AND ALL CONTROL CIRCUITS TO NEW LOCATION. WHERE BOXES REMAIN AFTER REMOVAL OF FIXTURES AND ELECTRICAL DEVICES, PROVIDE BLANK COVER FOR EACH BOX.

electrical specifications, NOTES AND SYMBOL LIST			STATE OF DEPARTMENT OF A		
	RE\	/ISIONS			
mark	date	description	drawing prepared by	R-THOMPSON,INC.	date 04/09/2019
1 2 3	8.31.2017 9.1.2017 4.9.2019	Bid Set Addendum No.1 Issued for Bid	;	200 Main Street nsonia, CT 06401	scale N/A
3	4.9.2019	issued for Did	505 HUDSON ST	STEM	drawn by DN approved by MWB
			HARTFORD, CT 06106 CAD no. FA000*.dwg	project no. BI-2B-401	FA000





<u>PLAN NOTES:</u>

- 1. ALL FIRE ALARM DEVICES IN THE BASEMENT MOUNTED, WEATHER PROOF.
- 2) DISCONNECT AND RECONNECT AIR PRESSUR AND SPRINKLER SYSTEM FLOW AND TAMPER EACH SPRINKLER DEVICE SHALL CONNECT II ADDRESSABLE MONITORING MODULE.
- ③ OVERRIDE SECURITY LOCKS ON ALL ELECTR UPON FIRE ALARM ACTIVATION.

BASEMENT FIRE ALARM

REVISIONS

2 9.1.2017 Addendum No.1 3 4.9.2019 Issued for Bid

1 8.31.2017 Bid Set

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
FLETCHER-THOMPSON,INC.
200 Main Street
Ansonia, CT 06401

project
project
505 HUDSON STREET
FIRE ALARM SYSTEM

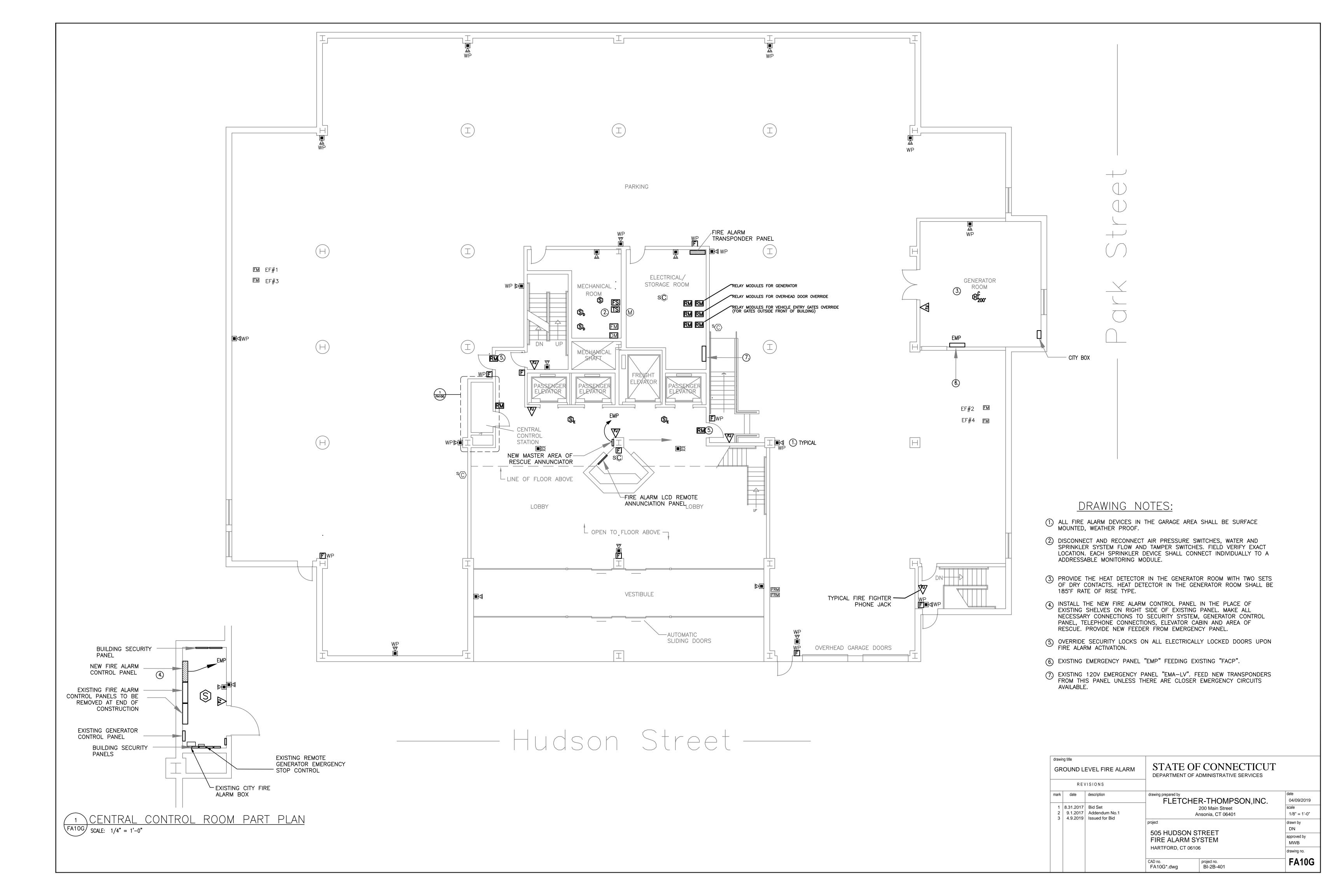
date
04/09/2019
scale
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DN
approved by
MWB

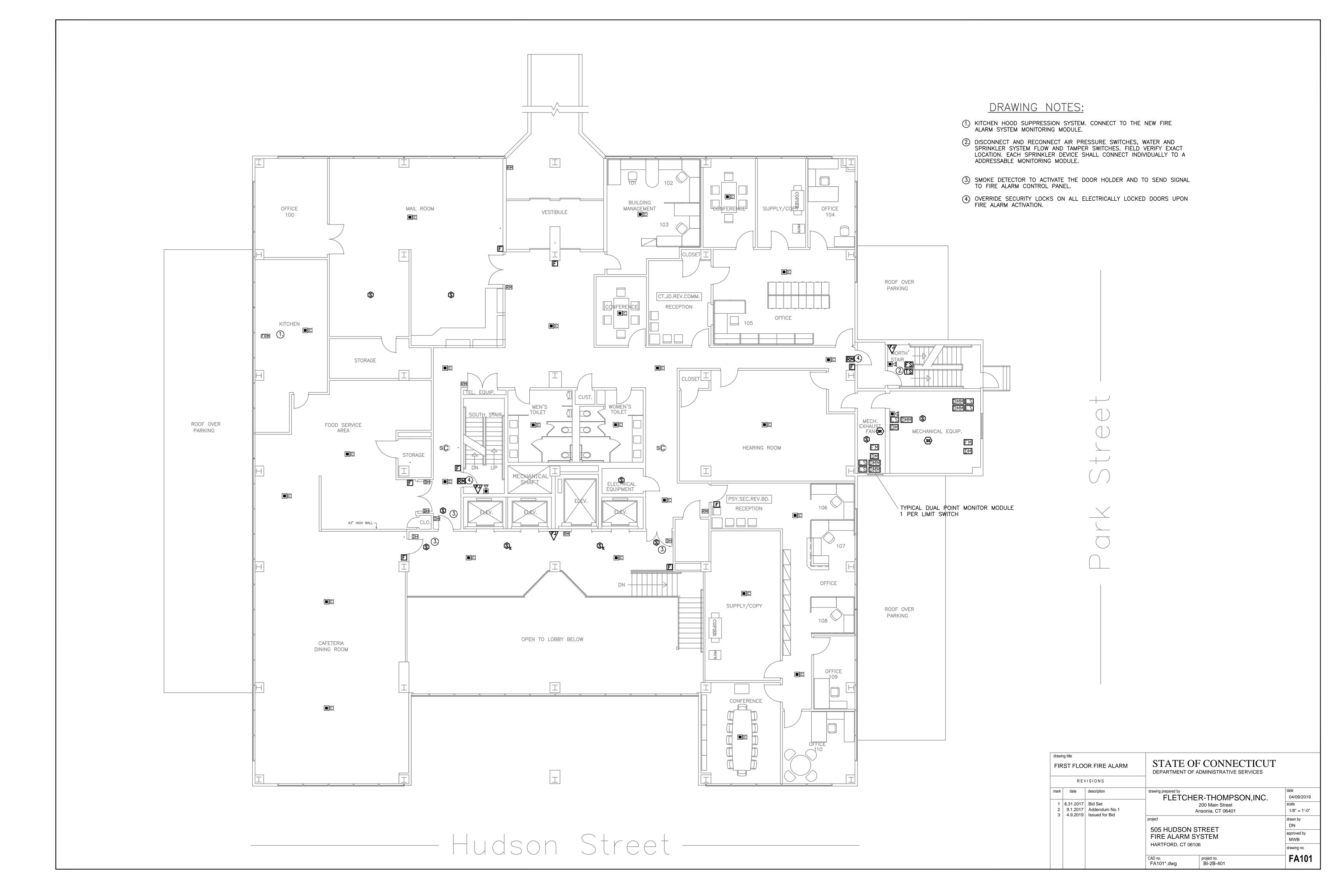
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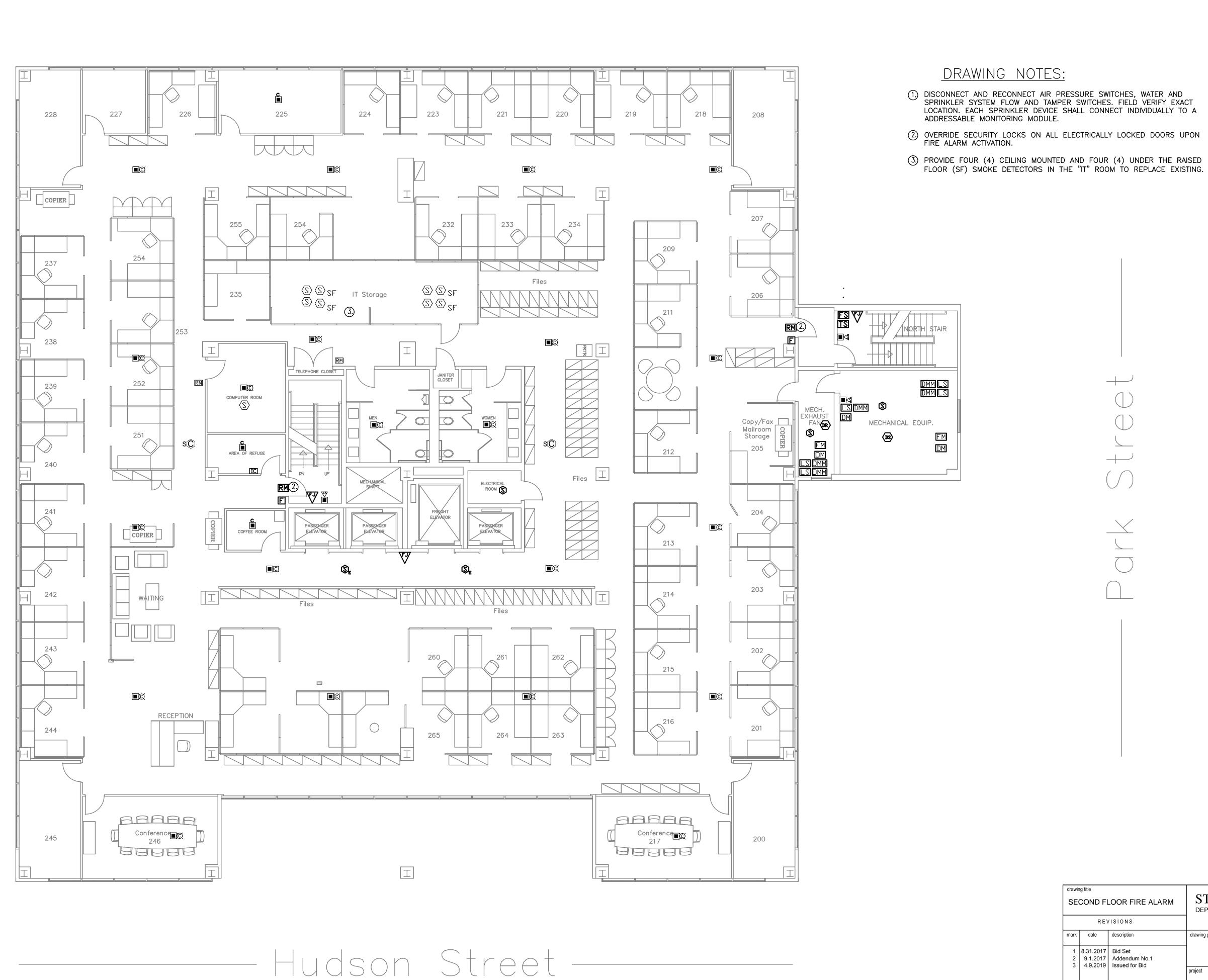
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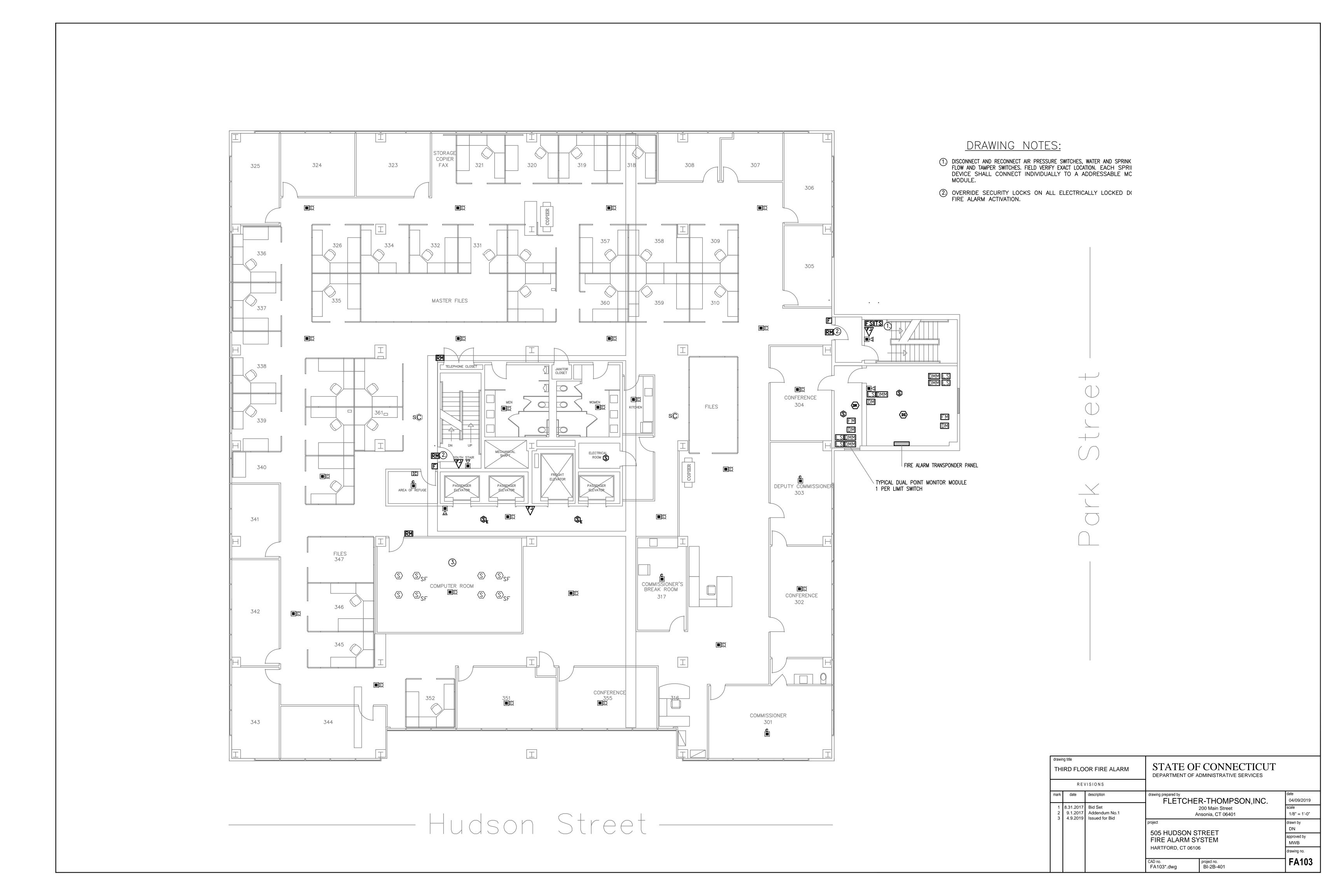
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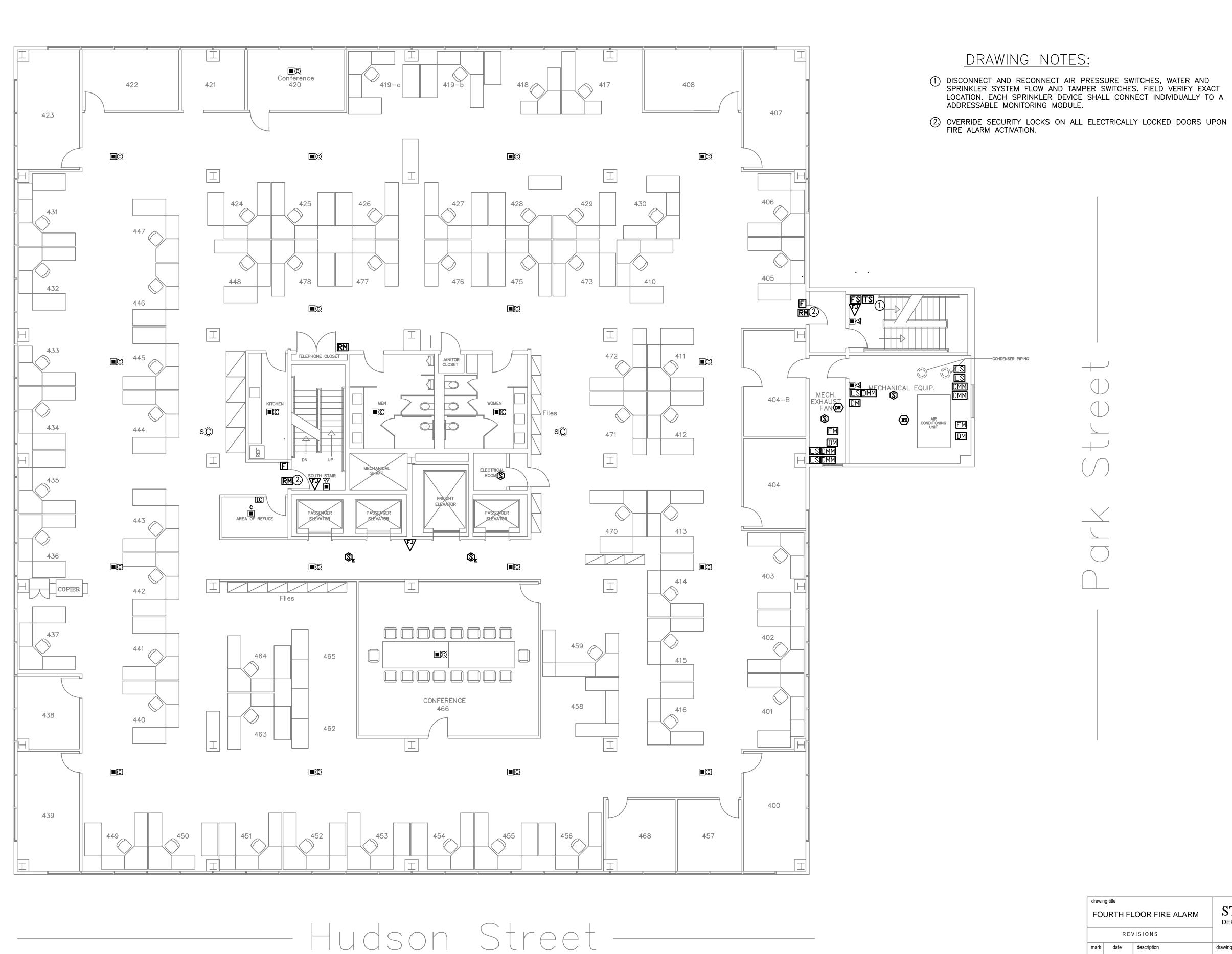
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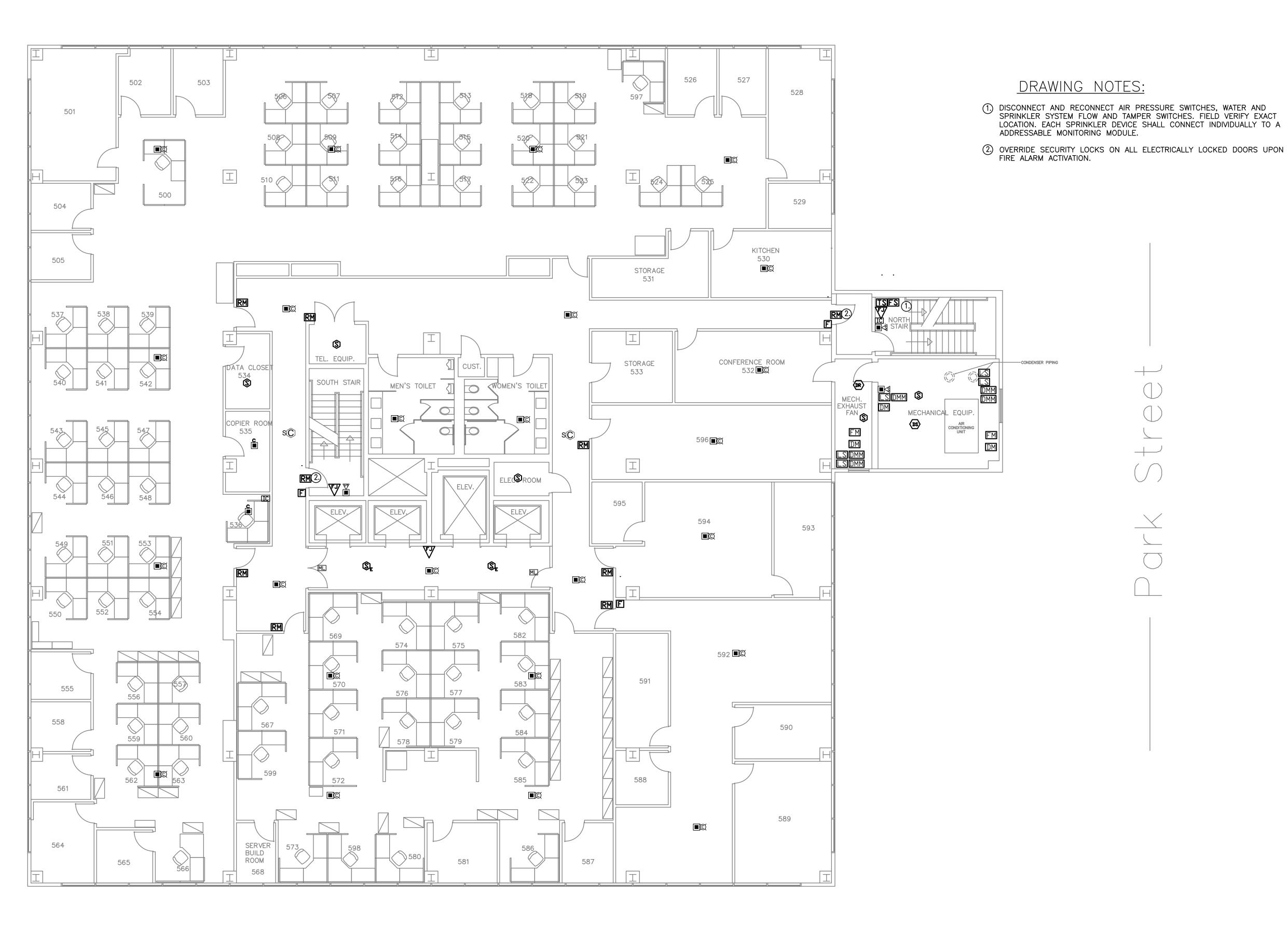




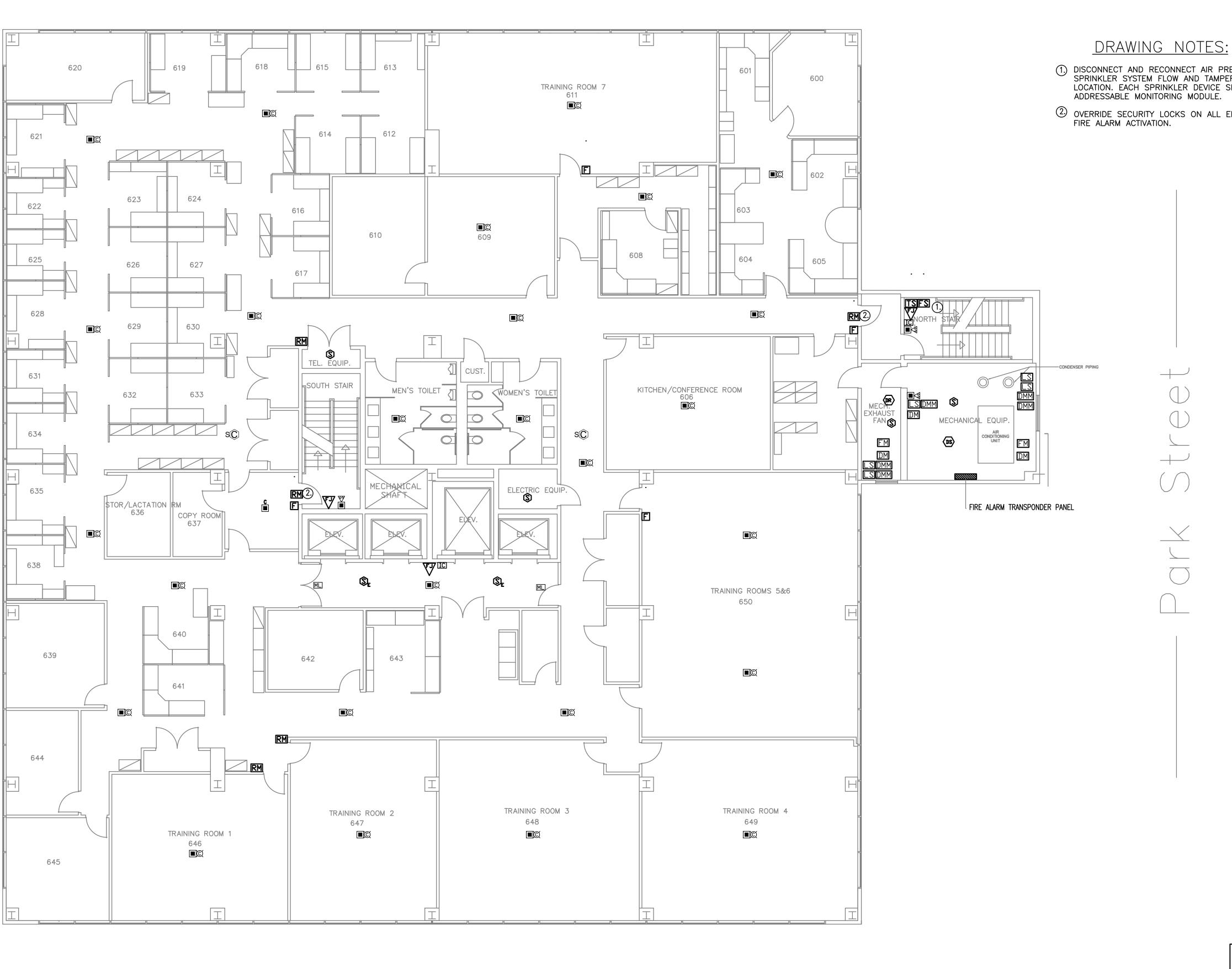








FIFTH FLOOR FIRE ALARM		OR FIRE ALARM	~ ~ -	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
	REV	/ISIONS				
mark	date	description	drawing prepared by FLETCHE	drawing prepared by FLETCHER-THOMPSON,INC.		
1 2 3	8.31.2017 9.1.2017 4.9.2019	Bid Set Addendum No.1 Issued for Bid		200 Main Street nsonia, CT 06401	scale 1/8" = 1'-0"	
Ö	4.5.2015	located for Bia	project 505 HUDSON S	drawn by DN		
			FIRE ALARM SY	/STEM	approved by MWB	
			HARTFORD, CT 0610	0	drawing no.	
			CAD no. FA105*.dwg	project no. BI-2B-401	FA10	

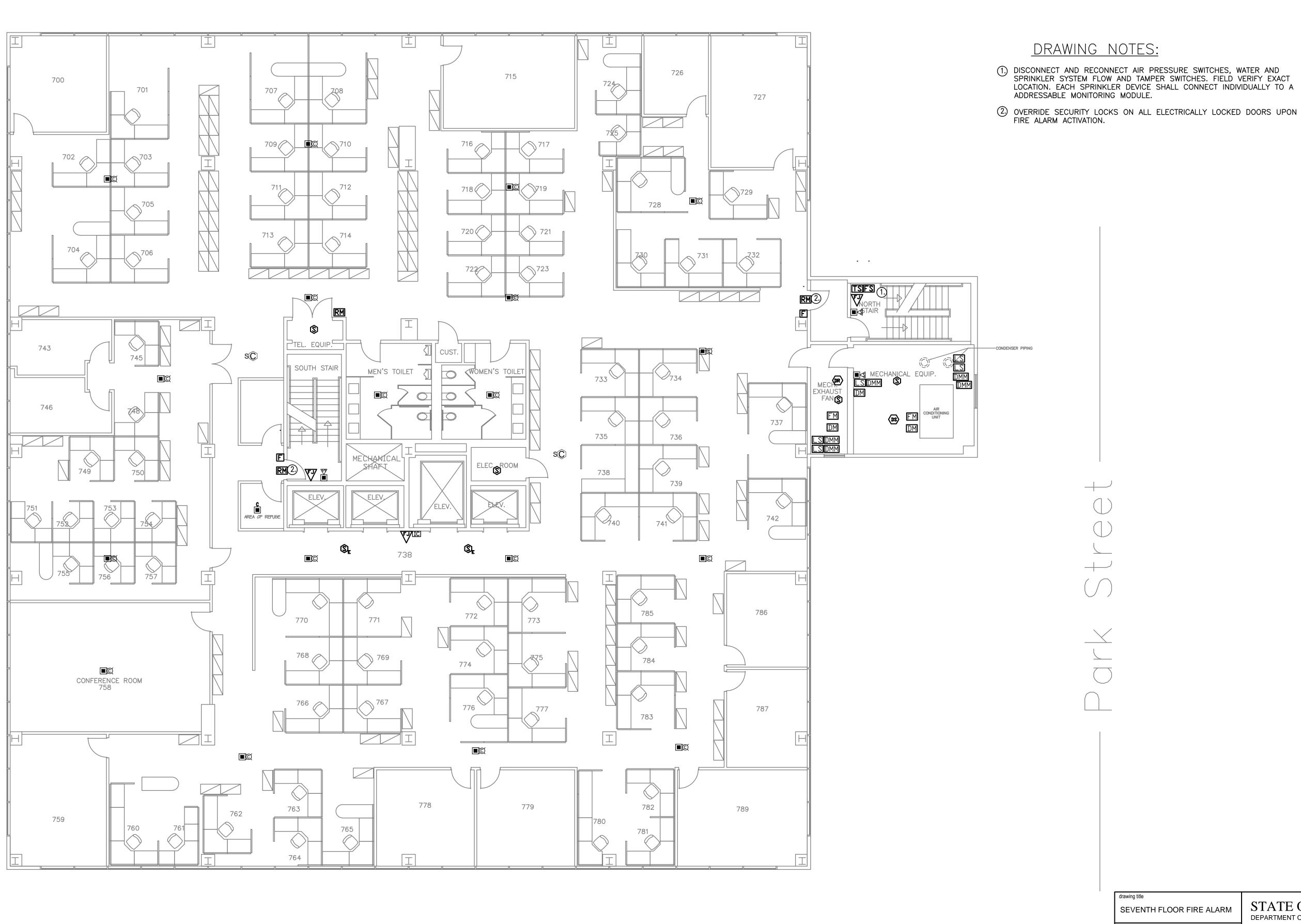


1. DISCONNECT AND RECONNECT AIR PRESSURE SWITCHES, WATER AND SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES. FIELD VERIFY EXACT LOCATION. EACH SPRINKLER DEVICE SHALL CONNECT INDIVIDUALLY TO A ADDRESSABLE MONITORING MODULE.

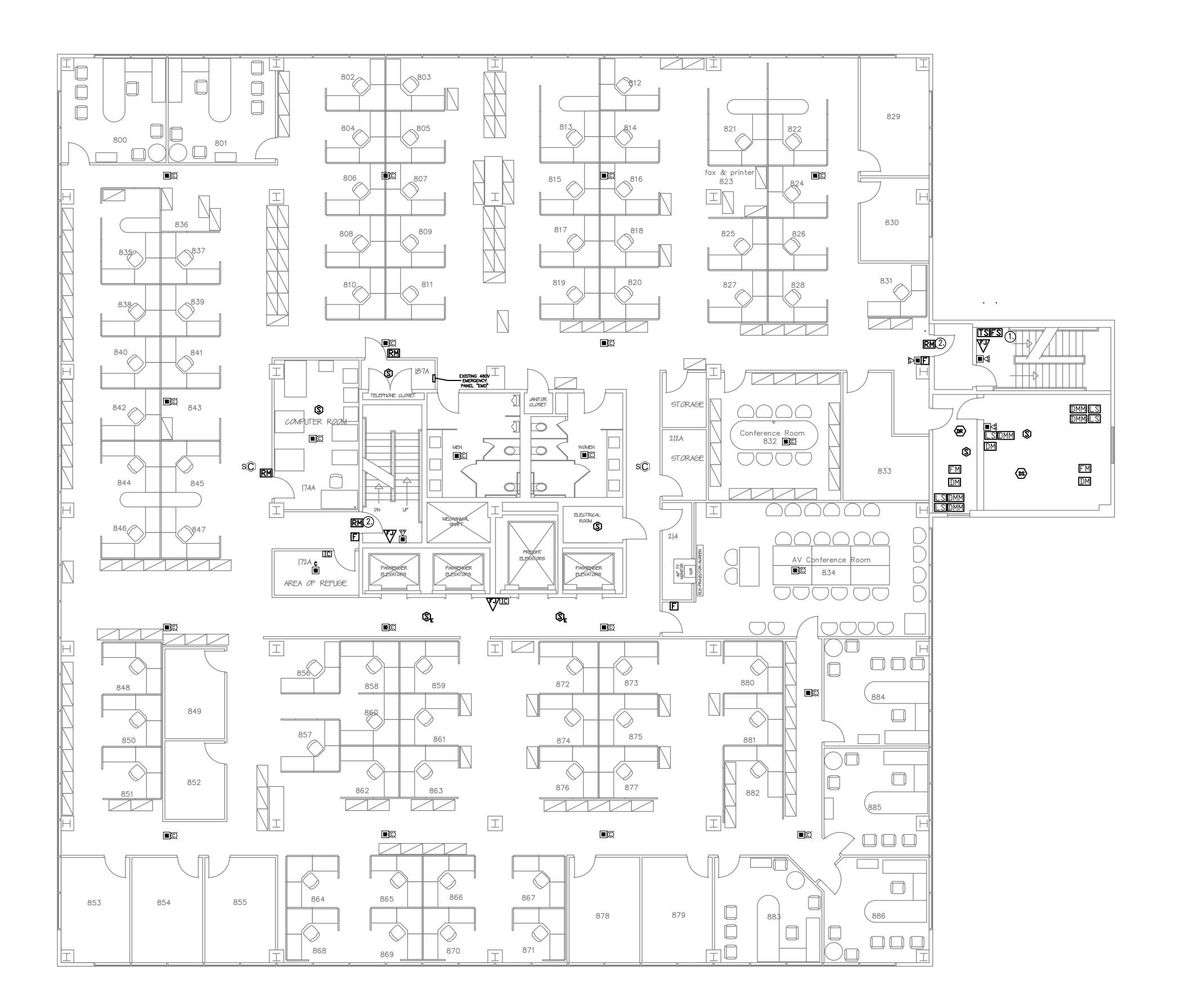
② OVERRIDE SECURITY LOCKS ON ALL ELECTRICALLY LOCKED DOORS UPON FIRE ALARM ACTIVATION.

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES SIXTH FLOOR FIRE ALARM REVISIONS drawing prepared by FLETCHER-THOMPSON,INC. 04/09/2019 1 8.31.2017 Bid Set 2 9.1.2017 Addendum No.1 3 4.9.2019 Issued for Bid 200 Main Street 1/8" = 1'-0" Ansonia, CT 06401

505 HUDSON STREET FIRE ALARM SYSTEM approved by MWB HARTFORD, CT 06106 **FA106** CAD no. FA106*.dwg project no. BI-2B-401



drawir SE'	VENTH F	FLOOR FIRE ALARM	, ,	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
mark 1	date 8.31.2017	description Bid Set		R-THOMPSON,INC.	date 04/09/2019 scale	
2	9.1.2017 4.9.2019	Addendum No.1	200 Main Street Ansonia, CT 06401		1/8" = 1'-0"	
			project 505 HUDSON S	TDEET	drawn by DN	
			FIRE ALARM SY	'STEM	approved by MWB	
			HARTFORD, CT 06100	5	drawing no.	
			CAD no. FA107*.dwg	project no. BI-2B-401	FA107	



DRAWING NOTES:

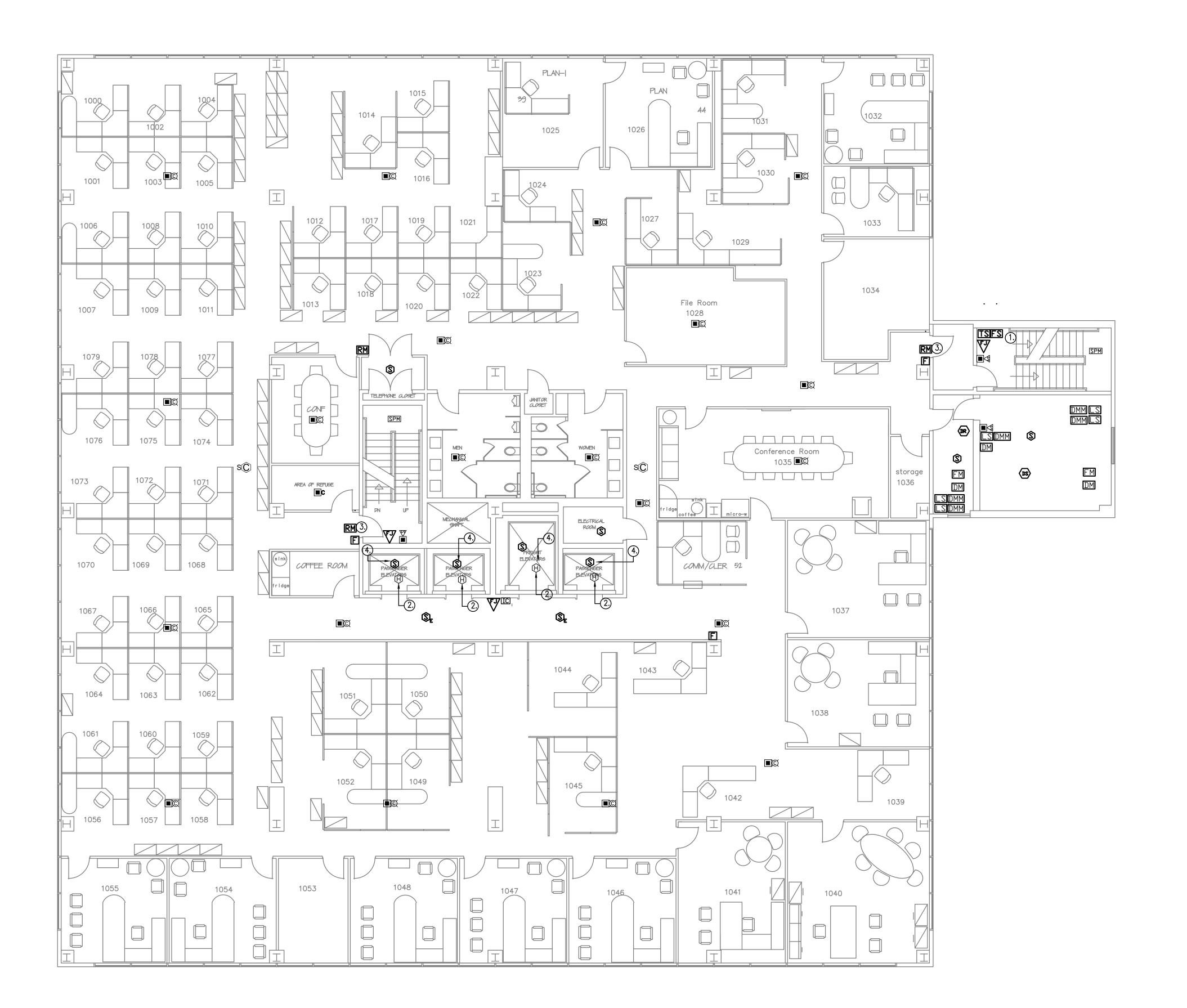
- 1. DISCONNECT AND RECONNECT AIR PRESSURE SWITCHES, WATER AND SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES. FIELD VERIFY EXACT LOCATION. EACH SPRINKLER DEVICE SHALL CONNECT INDIVIDUALLY TO A ADDRESSABLE MONITORING MODULE.
- ② OVERRIDE SECURITY LOCKS ON ALL ELECTRICALLY LOCKED DOORS UPON FIRE ALARM ACTIVATION.

STATE OF CONNECTICUT EIGHTH FLOOR FIRE ALARM DEPARTMENT OF ADMINISTRATIVE SERVICES REVISIONS FLETCHER-THOMPSON,INC. 04/09/2019 1 8.31.2017 Bid Set 2 9.1.2017 Addendum No.1 3 4.9.2019 Issued for Bid 200 Main Street 1/8" = 1'-0" Ansonia, CT 06401 DN 505 HUDSON STREET FIRE ALARM SYSTEM MWB HARTFORD, CT 06106 FA108 CAD no. FA108*.dwg project no. BI-2B-401

Hudson	Street



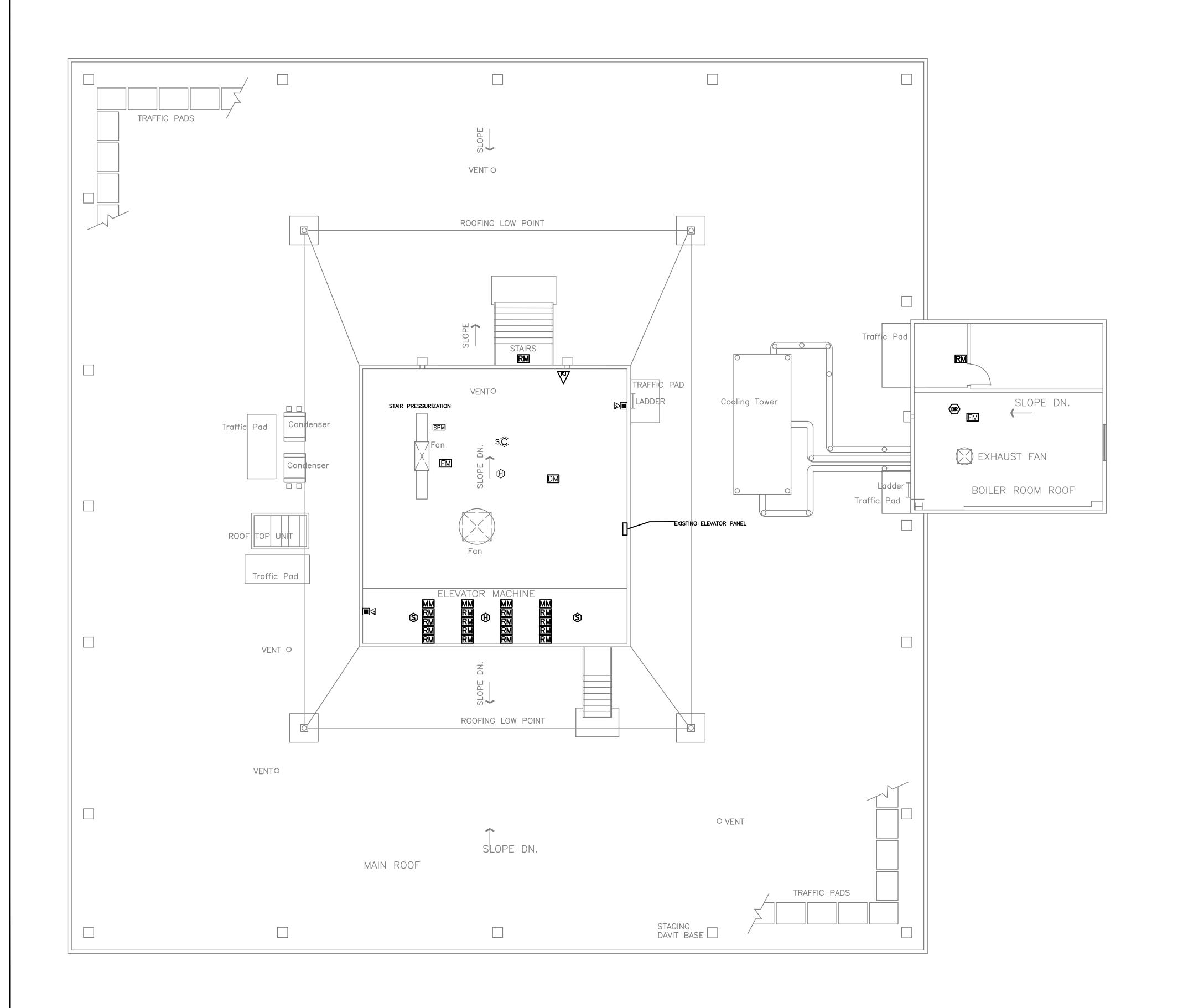
	ng title	OOR FIRE ALARM		F CONNECTICUT DMINISTRATIVE SERVICES	
	R E \	/ISIONS			
mark	date	description	drawing prepared by FLETCHE	R-THOMPSON,INC.	date 04/09/2019
1 2 3	8.31.2017 9.1.2017 4.9.2019	Addendum No.1	200 Main Street Ansonia, CT 06401		scale
	4.0.2010	issued for Bid	project 505 HUDSON S	TDEET	drawn by DN
			FIRE ALARM SY	'STEM	approved by MWB
			HARTFORD, CT 0610		drawing no.
			CAD no. FA109*.dwg	project no. BI-2B-401	FA109

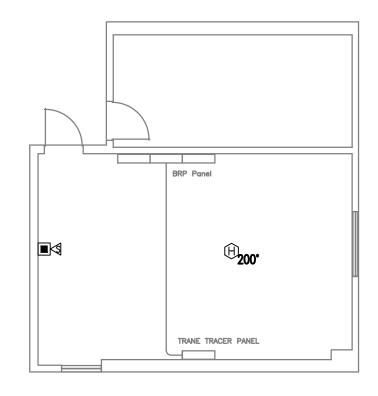


DRAWING NOTES:

- 1. DISCONNECT AND RECONNECT AIR PRESSURE SWITCHES, WATER AND SPRINKLER SYSTEM FLOW AND TAMPER SWITCHES. FIELD VERIFY EXACT LOCATION. EACH SPRINKLER DEVICE SHALL CONNECT INDIVIDUALLY TO A ADDRESSABLE MONITORING MODULE.
- ② MOUNT HEAT DETECTORS IN ELEVATOR SHAFT CEILING. PROVIDE AN EXTRA SET OF N.O. CONTACTS AND CONNECT TO SHUNT TRIP ELEVATOR CIRCUIT BREAKER IN PANEL "EMDP"
- 3) OVERRIDE SECURITY LOCKS ON ALL ELECTRICALLY LOCKED DOORS UPON FIRE ALARM ACTIVATION.
- (4) SMOKE DETECTORS IN THE ELEVATOR SHAFT CEILING SHALL ACTIVATE THE ELEVATOR HOIST-WAY SMOKE RELIEF EQUIPMENT.

		OOR FIRE ALARM		CONNECTICUT DMINISTRATIVE SERVICES	
mark 1 2	date 8.31.2017 9.1.2017	Addendum No.1		R-THOMPSON,INC. 200 Main Street nsonia, CT 06401	date 04/09/2019 scale 1/8" = 1'-0"
3	4.9.2019	Issued for Bid	project 505 HUDSON ST FIRE ALARM SY HARTFORD, CT 06106 CAD no. FA110*.dwg	STEM	drawn by DN approved by MWB drawing no. FA110

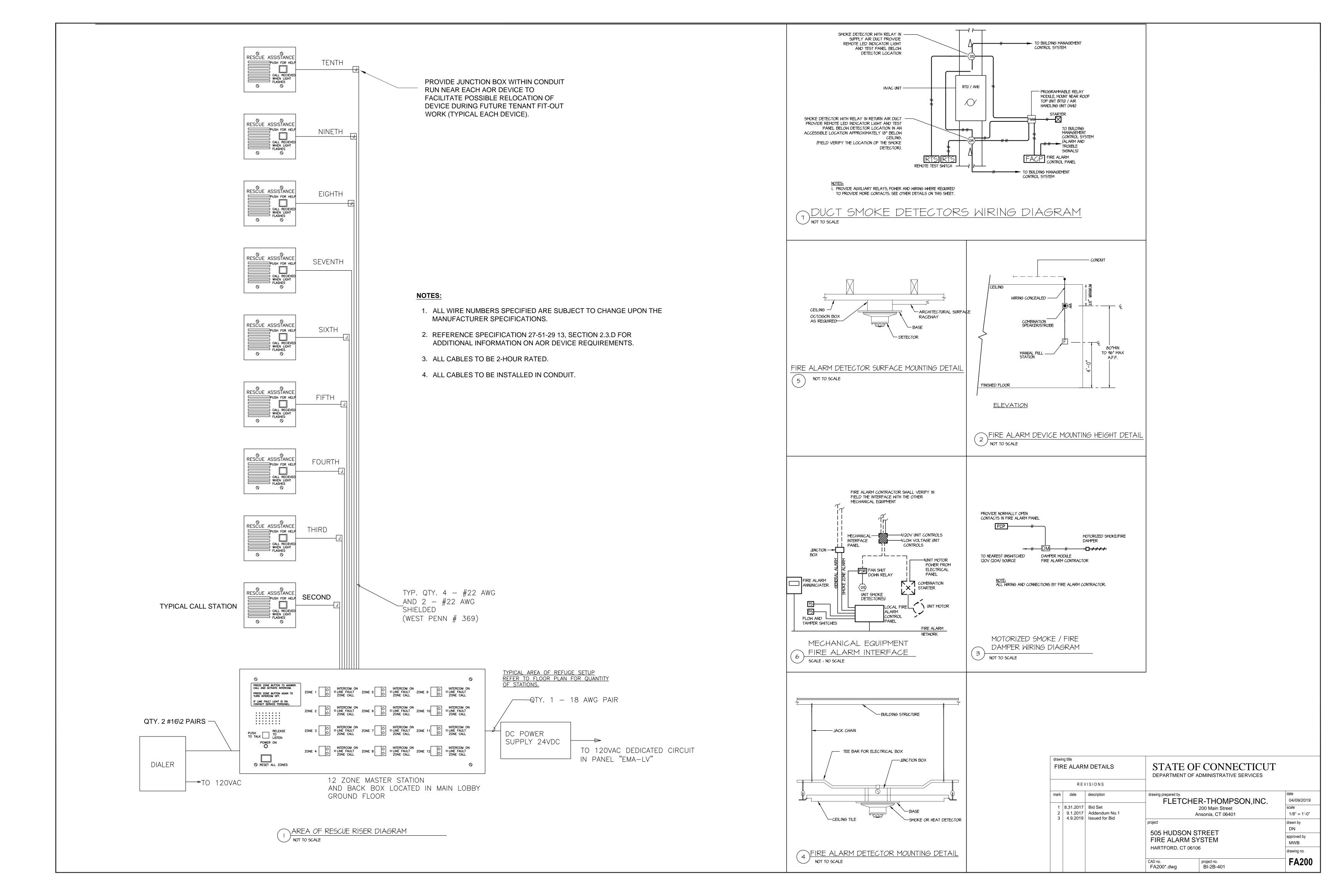


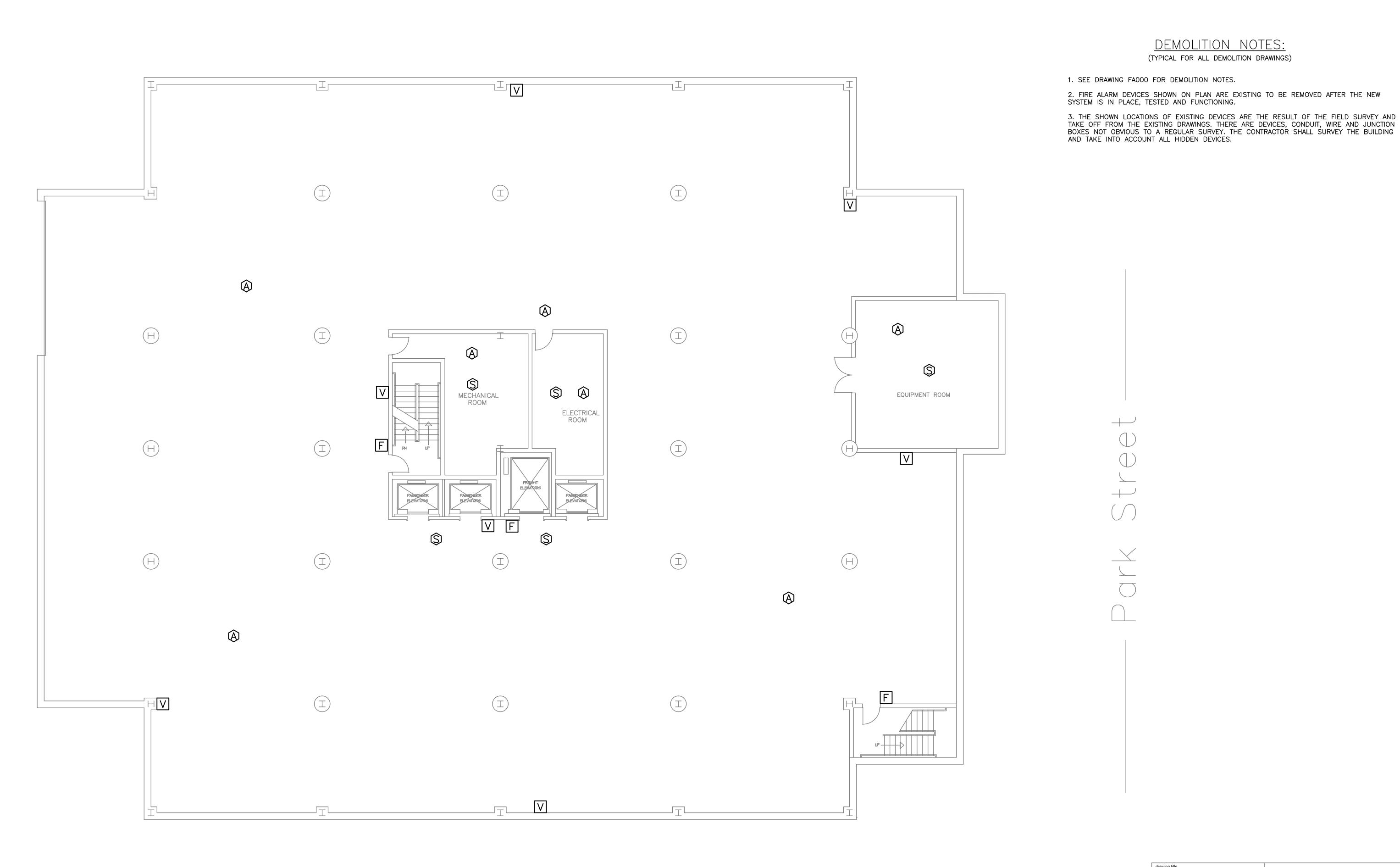


PENTHOUSE BOILER ROOM PART PLAN

drawing title ROOF FIRE ALARM		ALARM	STATE OF DEPARTMENT OF A		
REVISIONS					
mark	date	description	drawing prepared by FLETCHER-THOMPSON,INC.		date 04/09/2019
1 2 3	8.31.2017 9.1.2017 4.9.2019	Addendum No.1	200 Main Street Ansonia, CT 06401		scale 1/8" = 1'-0"
Ü	4.0.2010	100000 TOT DIG	project 505 HUDSON S	TREET	drawn by DN
			FIRE ALARM SY	STEM	approved by MWB
			·		drawing no.
			CAD no. FA10R*.dwg	project no. BI-2B-401	FA10R

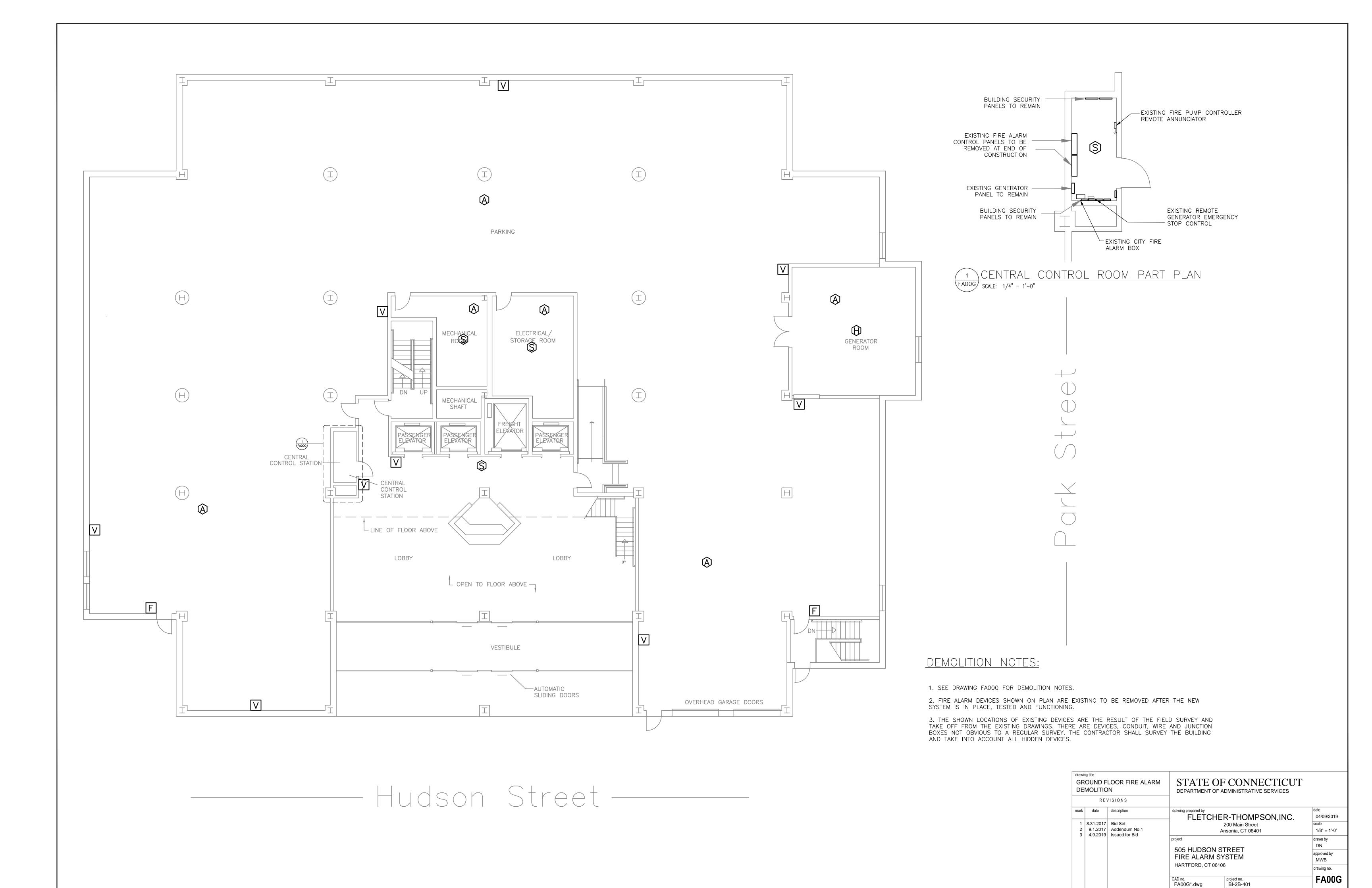
- Hudson Street ---

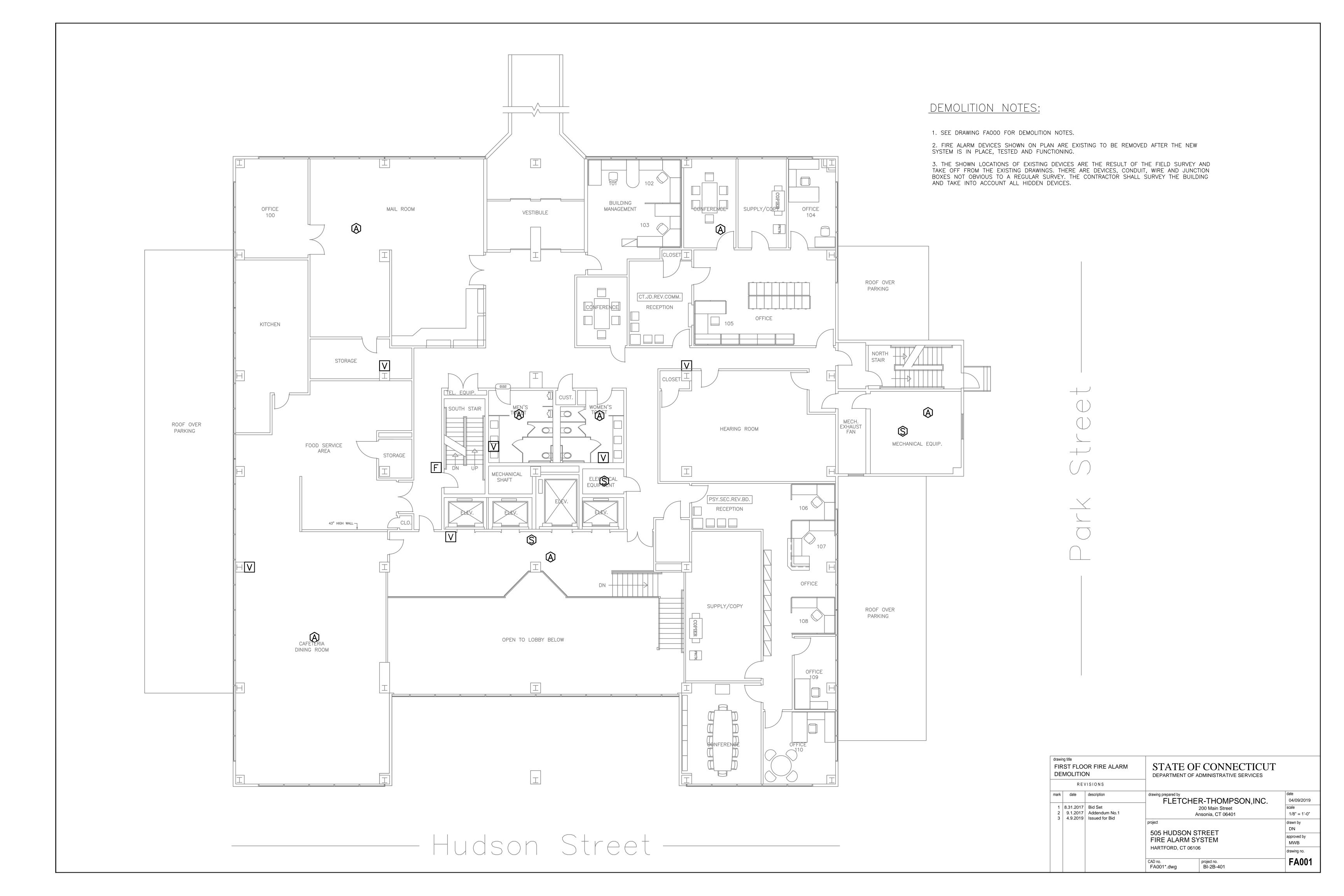


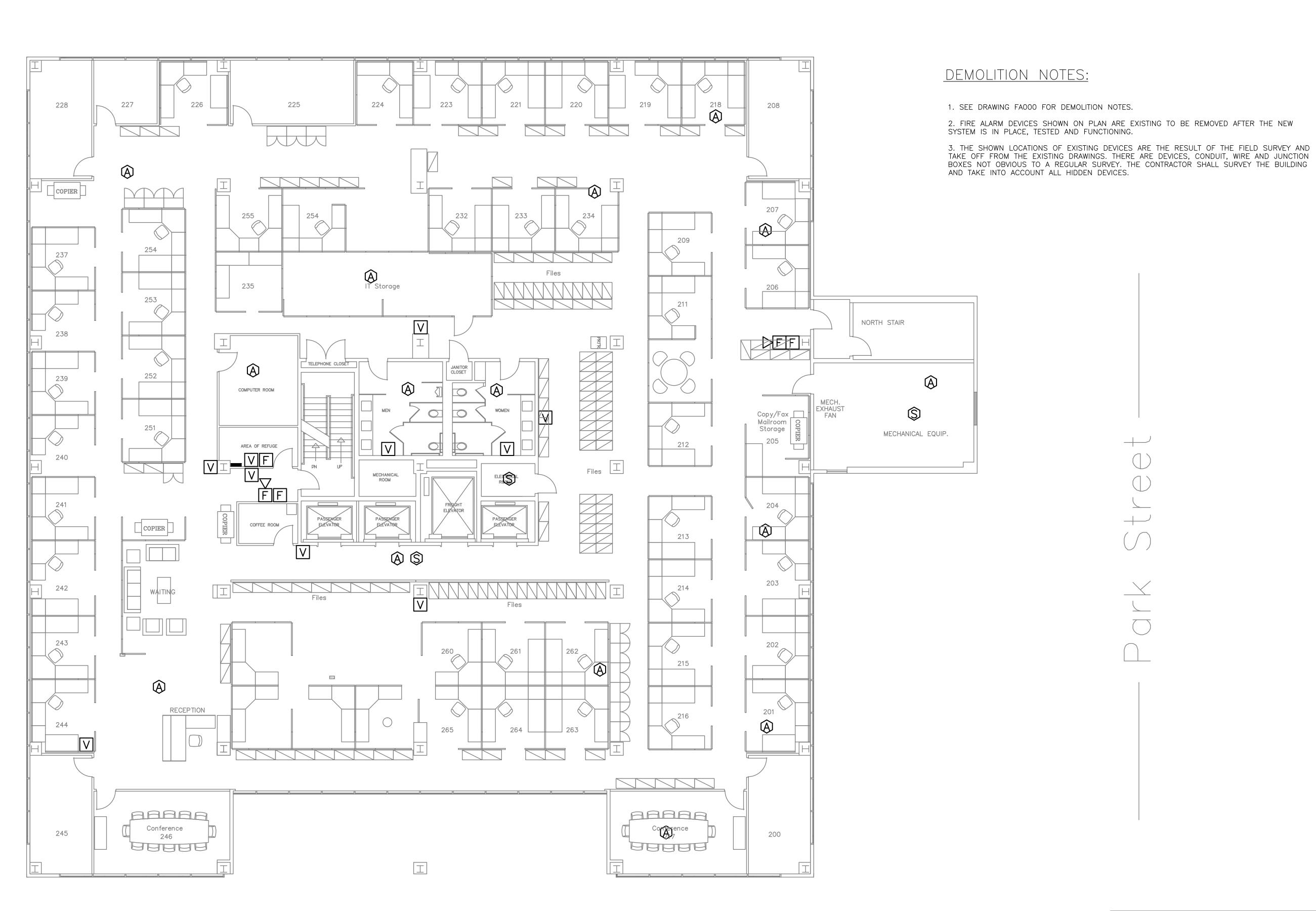


	SEMENT MOLITIO	FIRE ALARM N	/3	F CONNECTICUT ADMINISTRATIVE SERVICES	1		
mark	date	description	drawing prepared by	R-THOMPSON,INC.	date 04/09/2019		
1 2 3	. 0.0 2.0 001			200 Main Street Ansonia, CT 06401			
3			505 HUDSON S FIRE ALARM S	/STEM	drawn by DN approved by MWB		
			CAD no. FA00B*.dwg	6 project no. BI-2B-401	drawing no.		

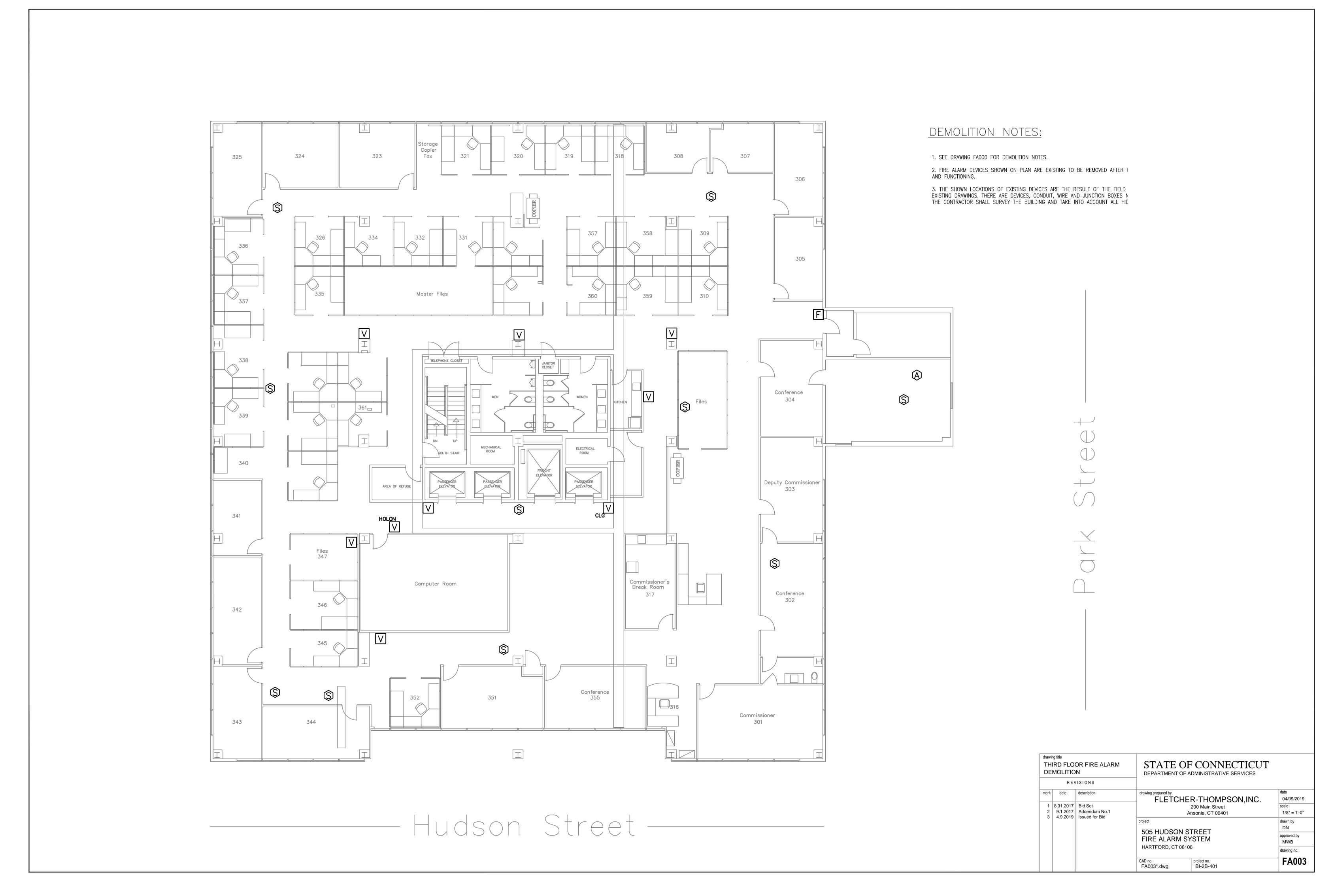
DEMOLITION NOTES:

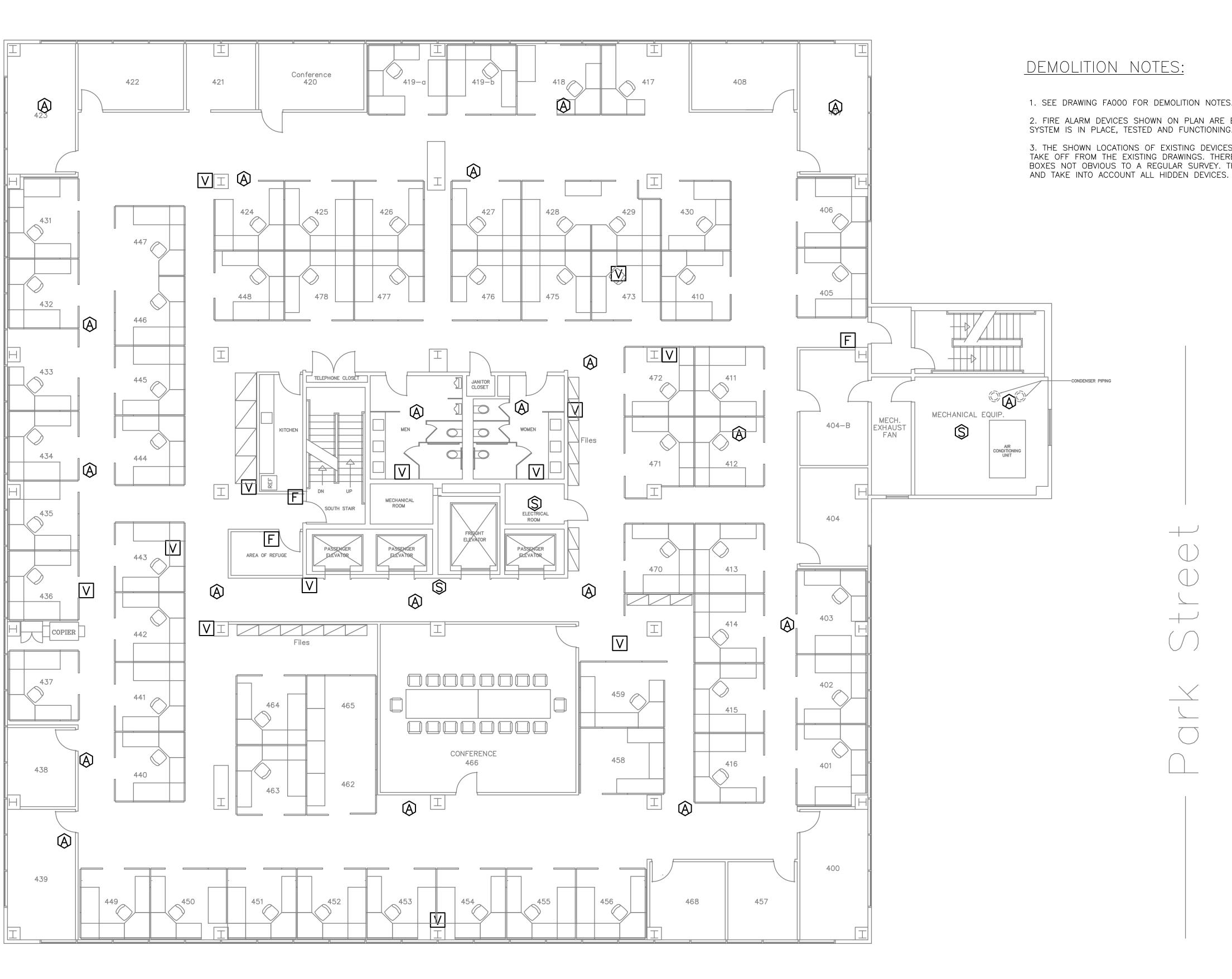






SE	MOLITIC	LOOR FIRE ALARM IN VISIONS	'-	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES			
mark	date	description	drawing prepared by	R-THOMPSON,INC.	date 04/09/2019		
1 2 3	8.31.2017 9.1.2017 4.9.2019		A	scale 1/8" = 1'-0"			
3	4.5.2013	165000 for Blu	505 HUDSON STATE ALARM SY HARTFORD, CT 06100	'STEM	drawn by DN approved by MWB drawing no.		
			CAD no. FA002*.dwg	project no. BI-2B-401	FA002		



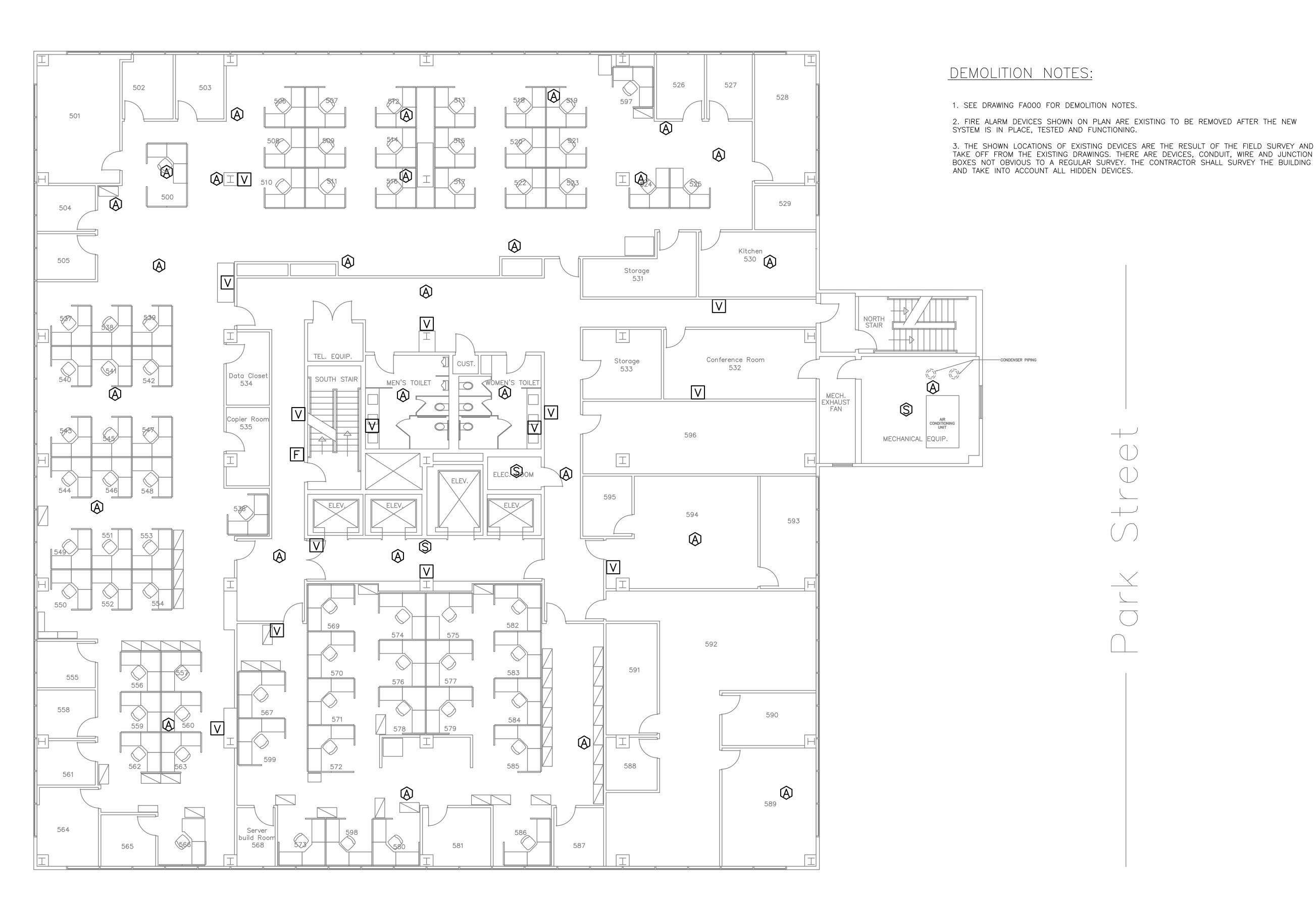


1. SEE DRAWING FA000 FOR DEMOLITION NOTES.

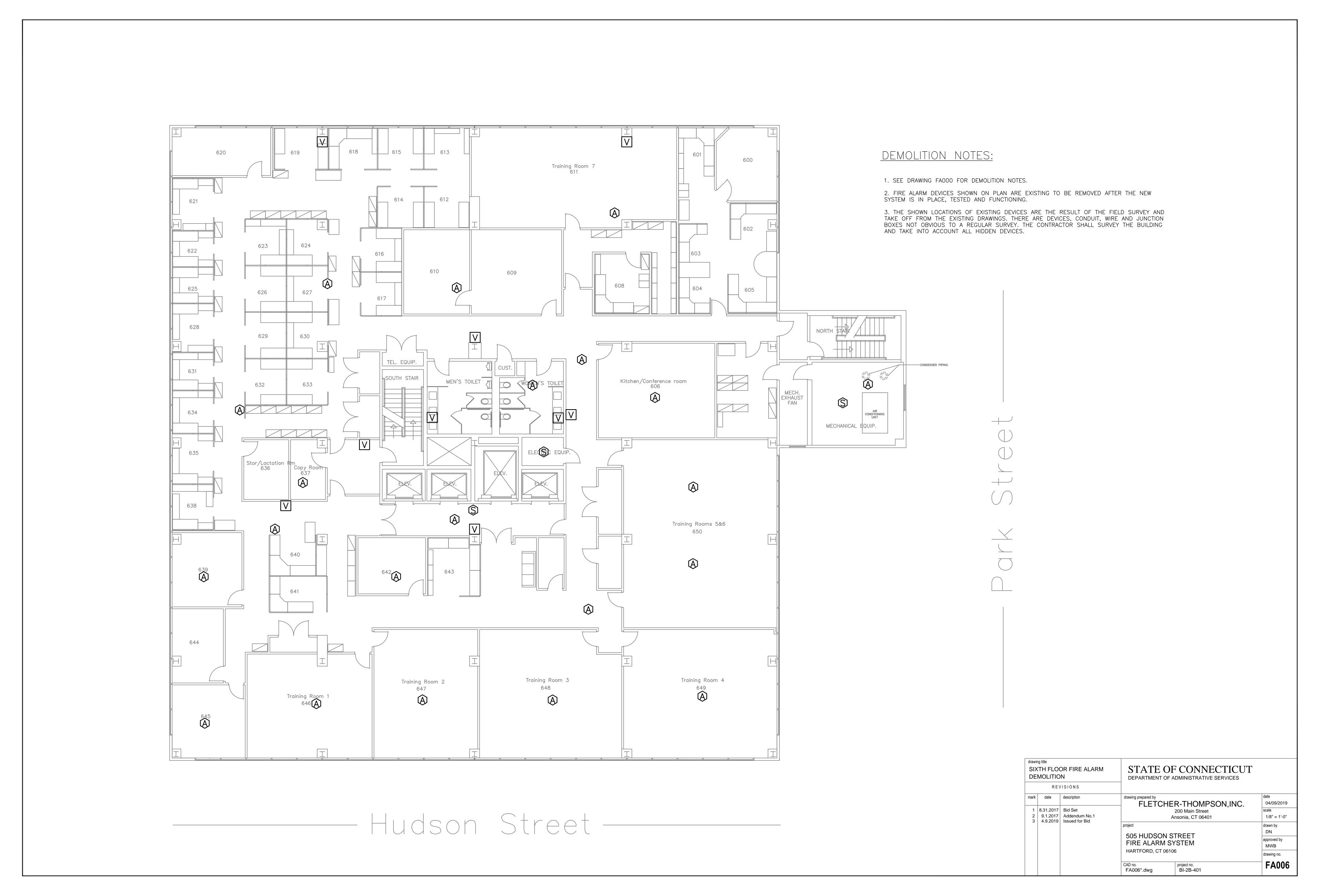
2. FIRE ALARM DEVICES SHOWN ON PLAN ARE EXISTING TO BE REMOVED AFTER THE NEW SYSTEM IS IN PLACE, TESTED AND FUNCTIONING.

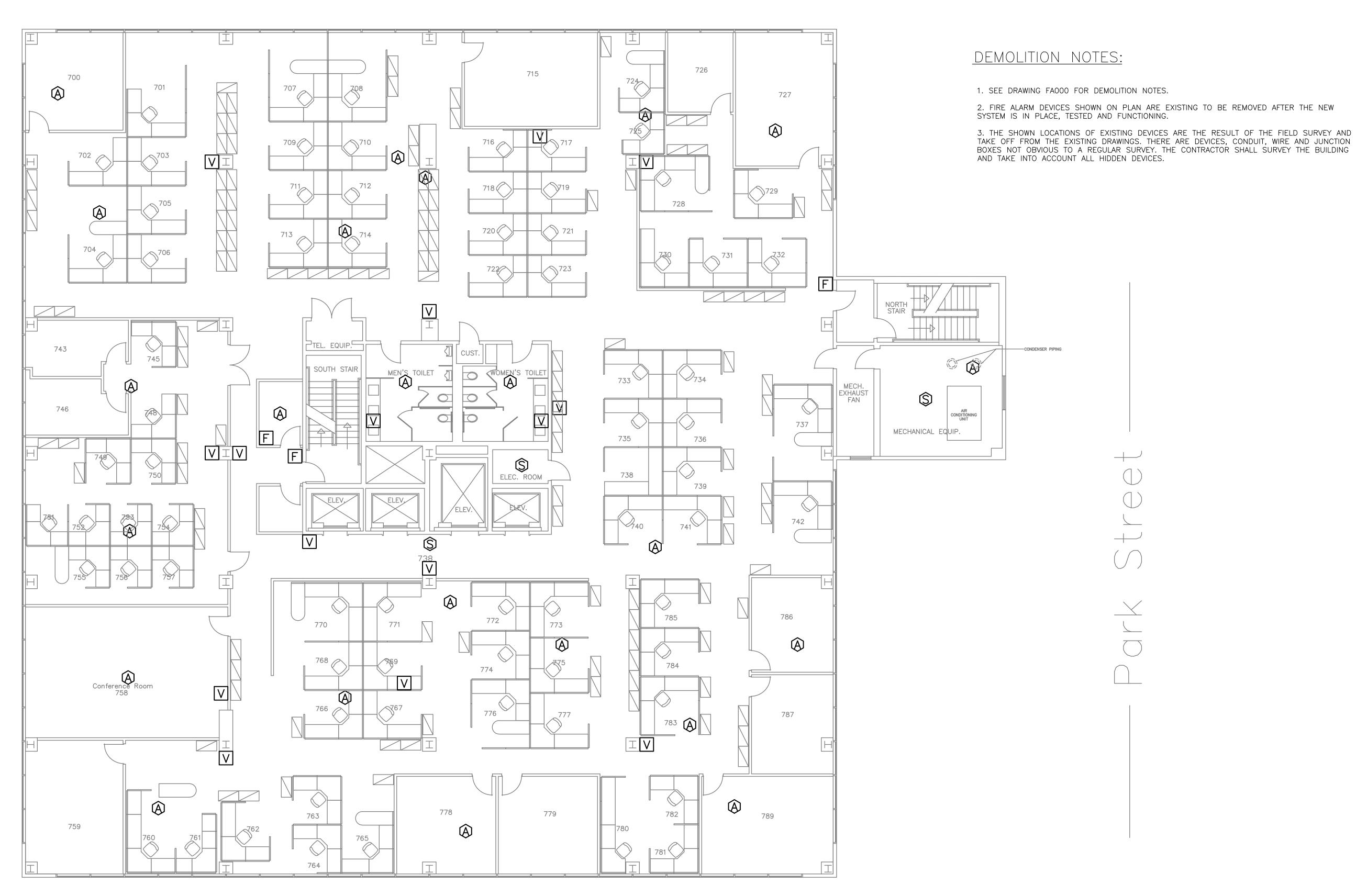
3. THE SHOWN LOCATIONS OF EXISTING DEVICES ARE THE RESULT OF THE FIELD SURVEY AND TAKE OFF FROM THE EXISTING DRAWINGS. THERE ARE DEVICES, CONDUIT, WIRE AND JUNCTION BOXES NOT OBVIOUS TO A REGULAR SURVEY. THE CONTRACTOR SHALL SURVEY THE BUILDING

> STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES FOURTH FLOOR FIRE ALARM DEMOLITION REVISIONS drawing prepared by FLETCHER-THOMPSON,INC. 04/09/2019 1 8.31.2017 Bid Set 200 Main Street Ansonia, CT 06401 2 9.1.2017 Addendum No.1 3 4.9.2019 Issued for Bid 1/8" = 1'-0" DN 505 HUDSON STREET FIRE ALARM SYSTEM approved by MWB HARTFORD, CT 06106 drawing no. FA004 CAD no. FA004*.dwg project no. BI-2B-401

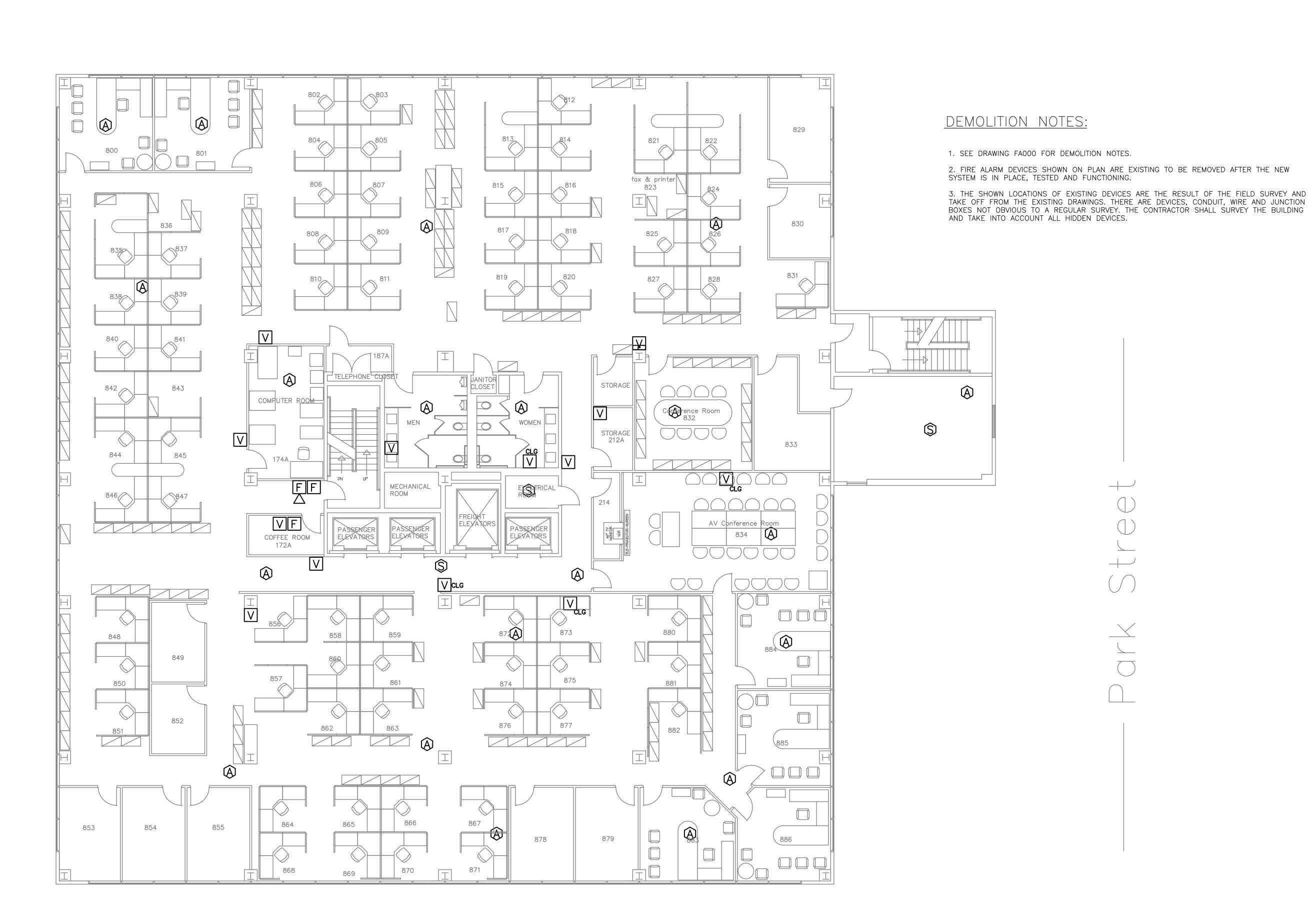


FIF	drawing title FIFTH FLOOR FIRE ALARM DEMOLITION REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
mark 1 2	1 8.31.2017 Bid Set			R-THOMPSON,INC. 200 Main Street nsonia, CT 06401	date 04/09/2019 scale 1/8" = 1'-0"
3	4.9.2019	4.9.2019 Issued for Bid	project 505 HUDSON STATE ALARM SY HARTFORD, CT 06100 CAD no. FA005*.dwg	'STEM	drawn by DN approved by MWB drawing no. FA005

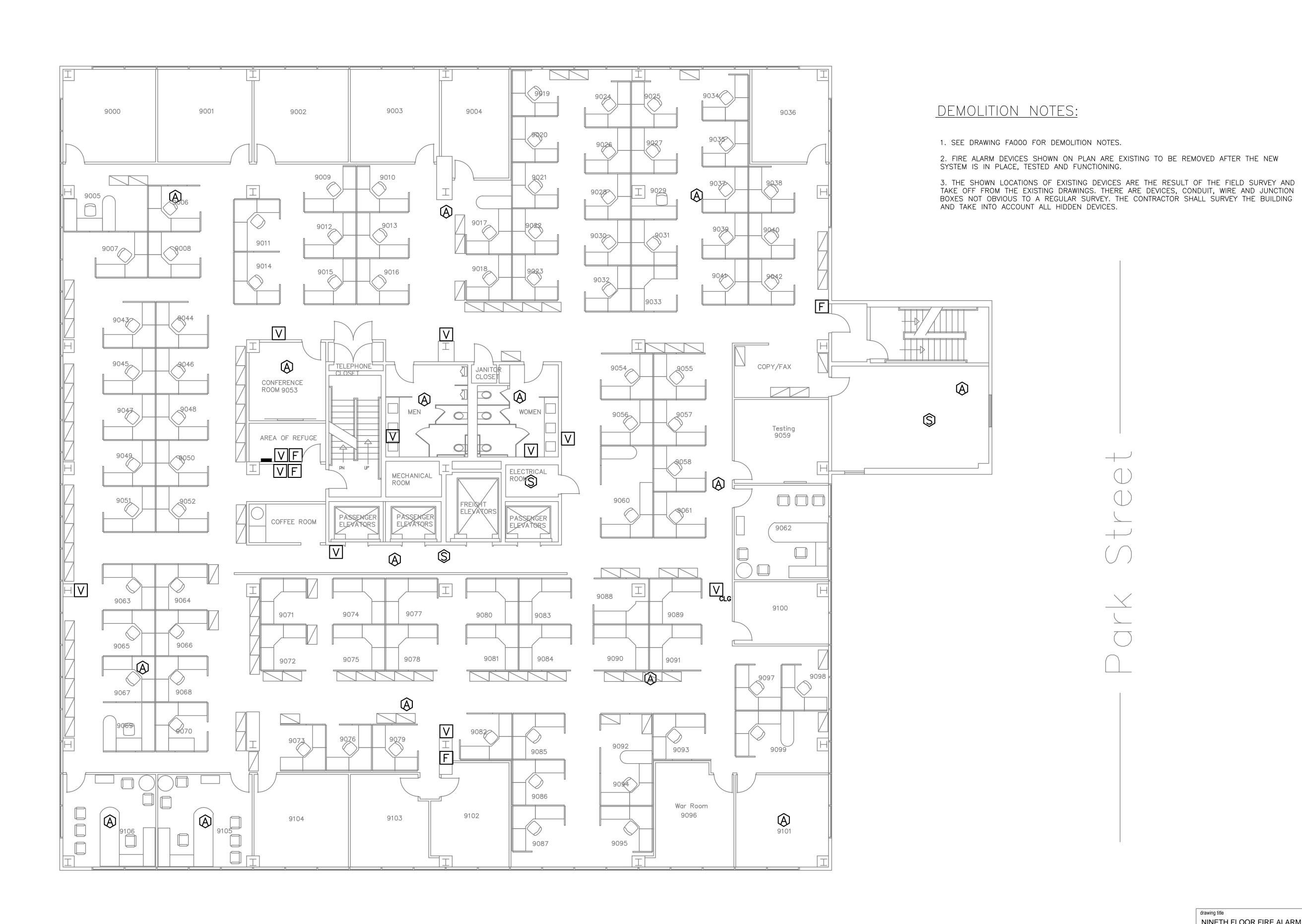




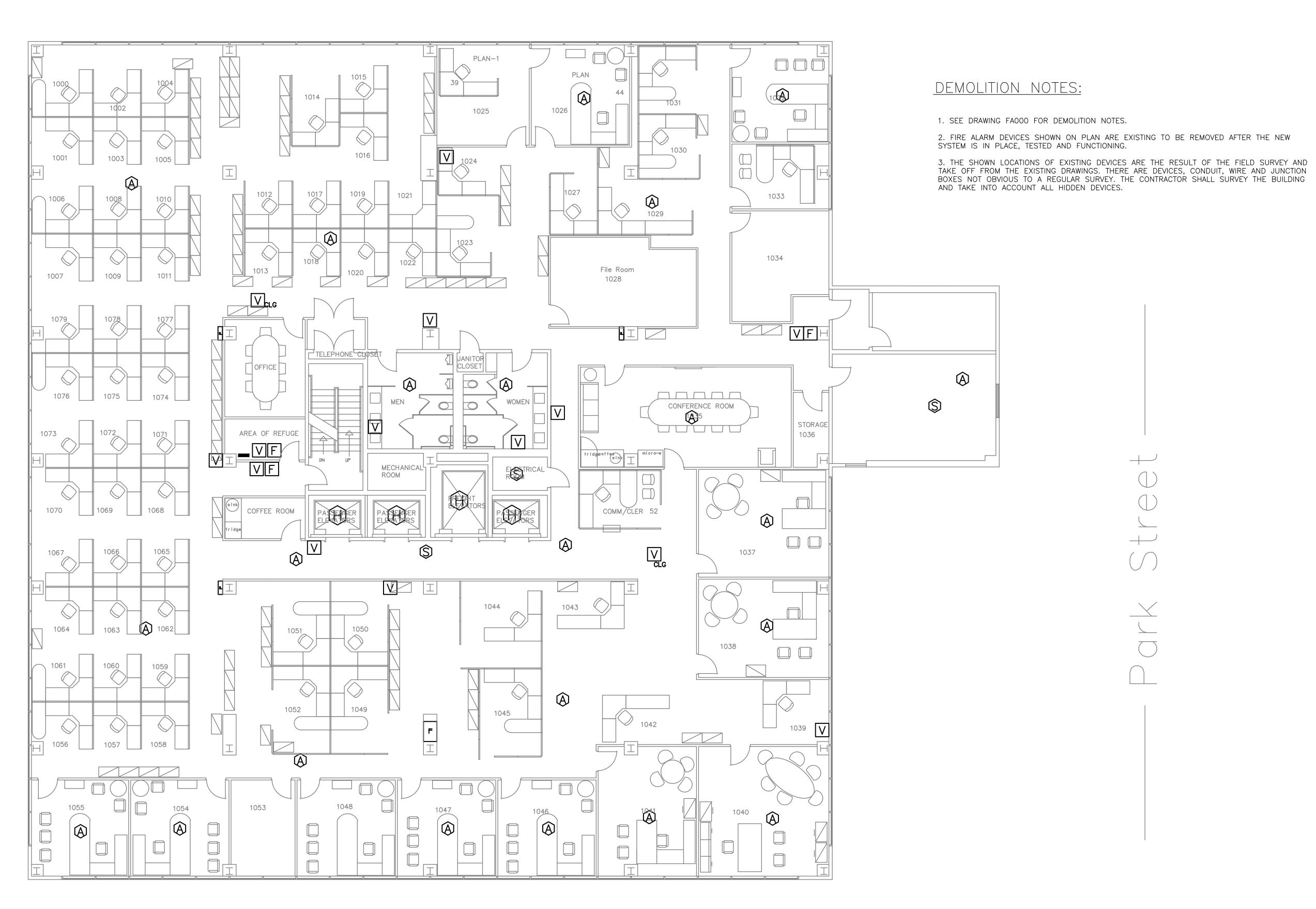
drawing title SEVENTH FLOOR FIRE ALARM DEMOLITION			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
REVISIONS					
mark	date	description	drawing prepared by	R-THOMPSON,INC.	date 04/09/2019
1 2 3	8.31.2017 9.1.2017 4.9.2019	Bid Set Addendum No.1 Issued for Bid		200 Main Street Ansonia, CT 06401	
3 4.3.2019 Issu		project 505 H FIRE	505 HUDSON ST	05 HUDSON STREET IRE ALARM SYSTEM	
			CAD no. FA007*.dwg	project no. BI-2B-401	FA007



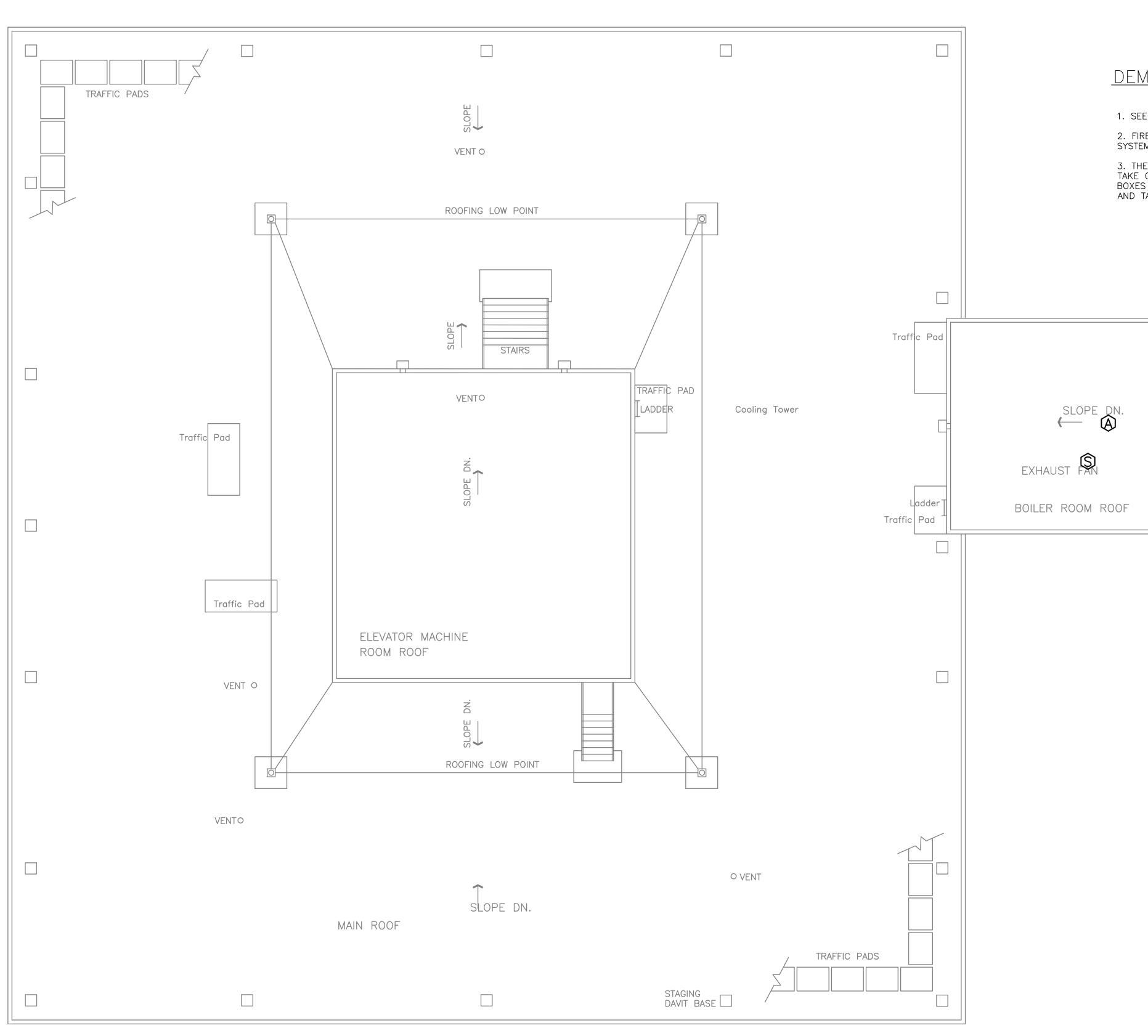
drawing title EIGHTH FLOOR FIRE ALARM DEMOLITION			STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
	REV	ISIONS			
mark	date	description	drawing prepared by	R-THOMPSON,INC.	date 04/09/2019
2	9.1.2017	Addendum No.1	200 Main Street Ansonia, CT 06401		scale 1/8" = 1'-0"
			project 505 HUDSON STREET FIRE ALARM SYSTEM	drawn by DN approved by MWB	
			HARTFORD, CT 0610 CAD no. FA008*.dwg	6 project no. BI-2B-401	FA008



drawing title NINETH FLOOR FIRE ALARM DEMOLITION REVISIONS		N	STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
mark	date	description	drawing prepared by	R-THOMPSON,INC.	date 04/09/2019
1 2 3	9.1.2017 Addendum No.1		200 Main Street Ansonia, CT 06401		
3	4.9.2019	issued for Did	project 505 HUDSON ST FIRE ALARM SY	'STEM	drawn by DN approved by MWB
			CAD no. FA009*.dwg	6 project no. BI-2B-401	rawing no.

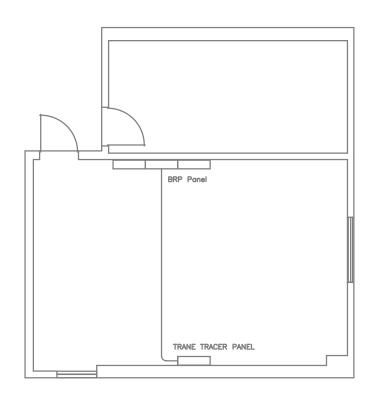


TE	drawing title TENTH FLOOR FIRE ALARM DEMOLITION REVISIONS		STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES		
mark 1 2	FLETCHE 1 8.31.2017 Bid Set 2 9.1.2017 Addendum No.1		R-THOMPSON,INC. 200 Main Street nsonia, CT 06401	date 04/09/2019 scale 1/8" = 1'-0"	
3	4.9.2019	Issued for Bid	project 505 HUDSON STATE ALARM SY HARTFORD, CT 06100 CAD no. FA010*.dwg	'STEM	drawn by DN approved by MWB drawing no. FA010



DEMOLITION NOTES:

- 1. SEE DRAWING FA000 FOR DEMOLITION NOTES.
- 2. FIRE ALARM DEVICES SHOWN ON PLAN ARE EXISTING TO BE REMOVED AFTER THE NEW SYSTEM IS IN PLACE, TESTED AND FUNCTIONING.
- 3. THE SHOWN LOCATIONS OF EXISTING DEVICES ARE THE RESULT OF THE FIELD SURVEY AND TAKE OFF FROM THE EXISTING DRAWINGS. THERE ARE DEVICES, CONDUIT, WIRE AND JUNCTION BOXES NOT OBVIOUS TO A REGULAR SURVEY. THE CONTRACTOR SHALL SURVEY THE BUILDING AND TAKE INTO ACCOUNT ALL HIDDEN DEVICES.



PENTHOUSE BOILER ROOM PART PLAN

STATE OF CONNECTICUT DEPARTMENT OF ADMINISTRATIVE SERVICES **ROOF FIRE ALARM** DEMOLITION REVISIONS drawing prepared by

FLETCHER-THOMPSON,INC.

200 Main Street

Ansonia, CT 06401 04/09/2019 1 8.31.2017 Bid Set 2 9.1.2017 Addendum No.1 3 4.9.2019 Issued for Bid 1/8" = 1'-0" DN 505 HUDSON STREET FIRE ALARM SYSTEM approved by MWB HARTFORD, CT 06106 drawing no. FA00R CAD no. FA00R*.dwg project no. BI-2B-401