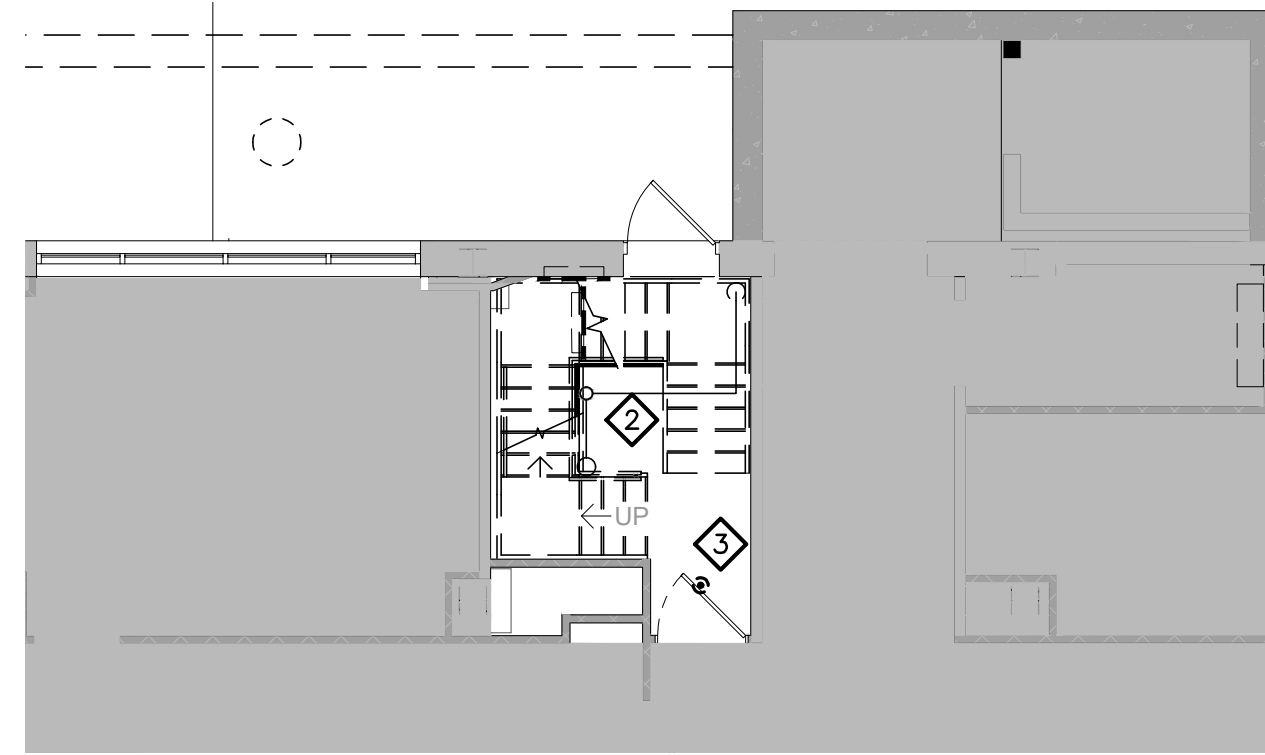


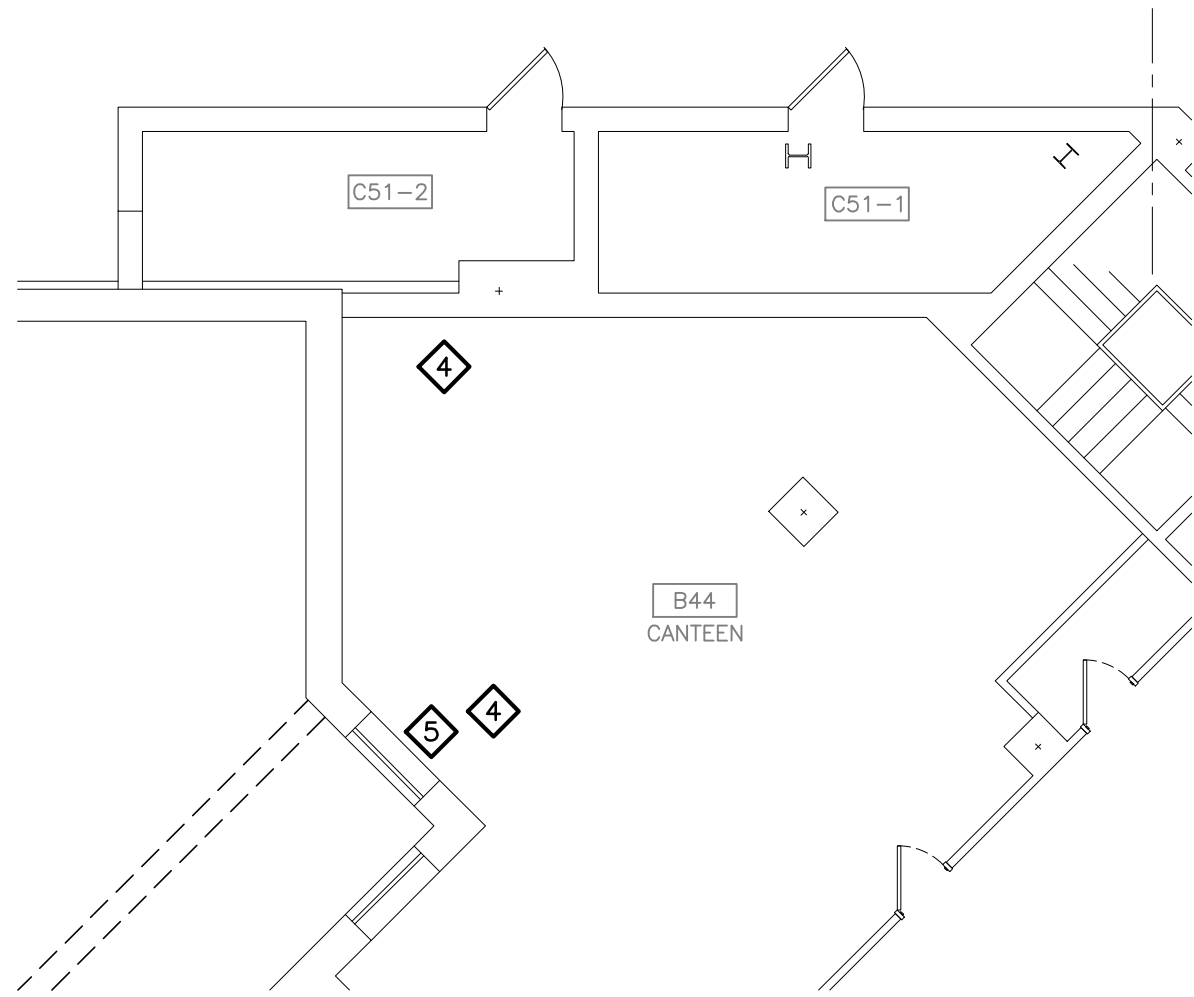


2 FIRE PROTECTION: SMOKING SHELTER SPINKLER DEMOLITION PART-PLAN  
SCALE: 1/8"=1'-0"

GENERAL NOTES:  
1. DEMO ALL EXISTING SPRINKLERS.

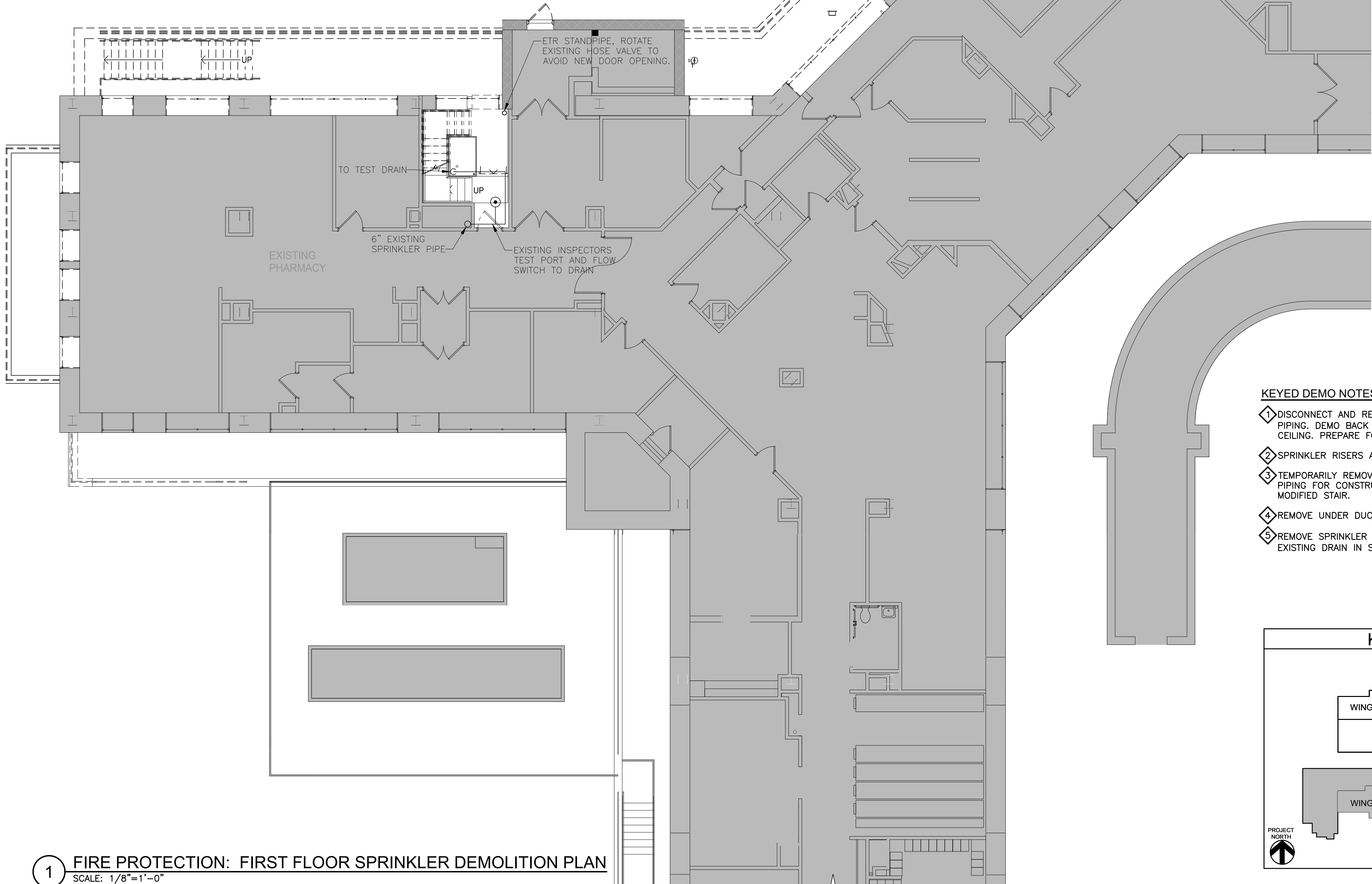


3 FIRE PROTECTION: BASEMENT FIRE SPRINKLER DEMOLITION PART-PLAN  
SCALE: 1/8"=1'-0"

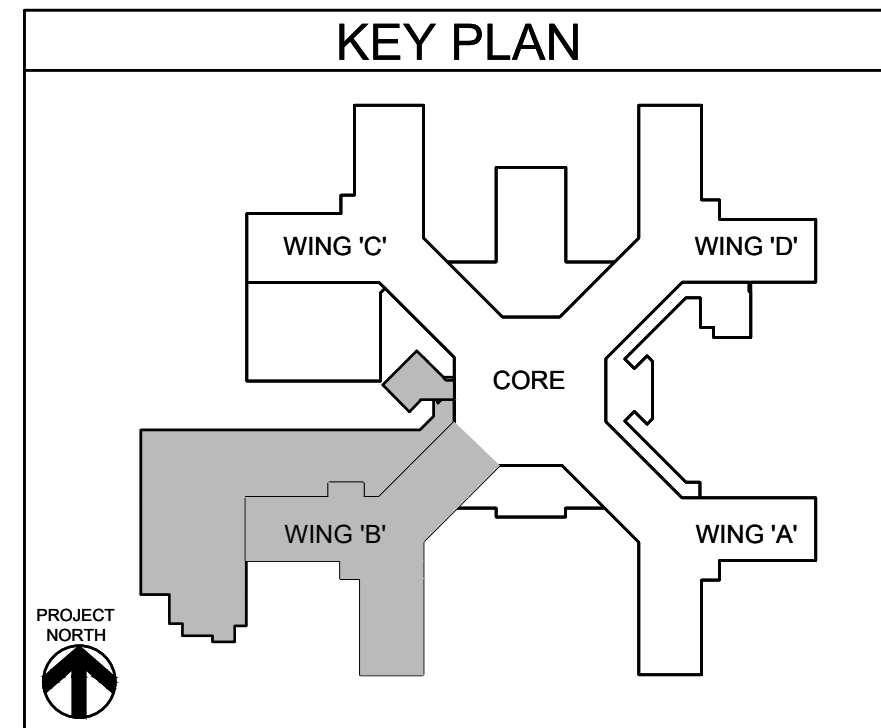



4 FIRE PROTECTION: BASEMENT FIRE SPRINKLER DEMOLITION PART-PLAN  
SCALE: 1/8"=1'-0"

1 FIRE PROTECTION: FIRST FLOOR SPRINKLER DEMOLITION PLAN  
SCALE: 1/8"=1'-0"



- KEYED DEMO NOTES:
- DISCONNECT AND REMOVE EXISTING SPRINKLERS AND PIPING, DEMO BACK TO 4" PIPE IN LOBBY CORRIDOR CEILING. PREPARE FOR NEW CONNECTION.
  - SPRINKLER RISERS AND DRAIN TO REMAIN.
  - TEMPORARILY REMOVE STAIR SPRINKLERS AND BRANCH PIPING FOR CONSTRUCTION WORK THEN REINSTALL IN MODIFIED STAIR.
  - REMOVE UNDER DUCT SPRINKLERS AFTER DUCT REMOVAL.
  - REMOVE SPRINKLER 4" DRAIN TO AREAWAY. EXTEND TO EXISTING DRAIN IN SUB-BASEMENT, ±90'.

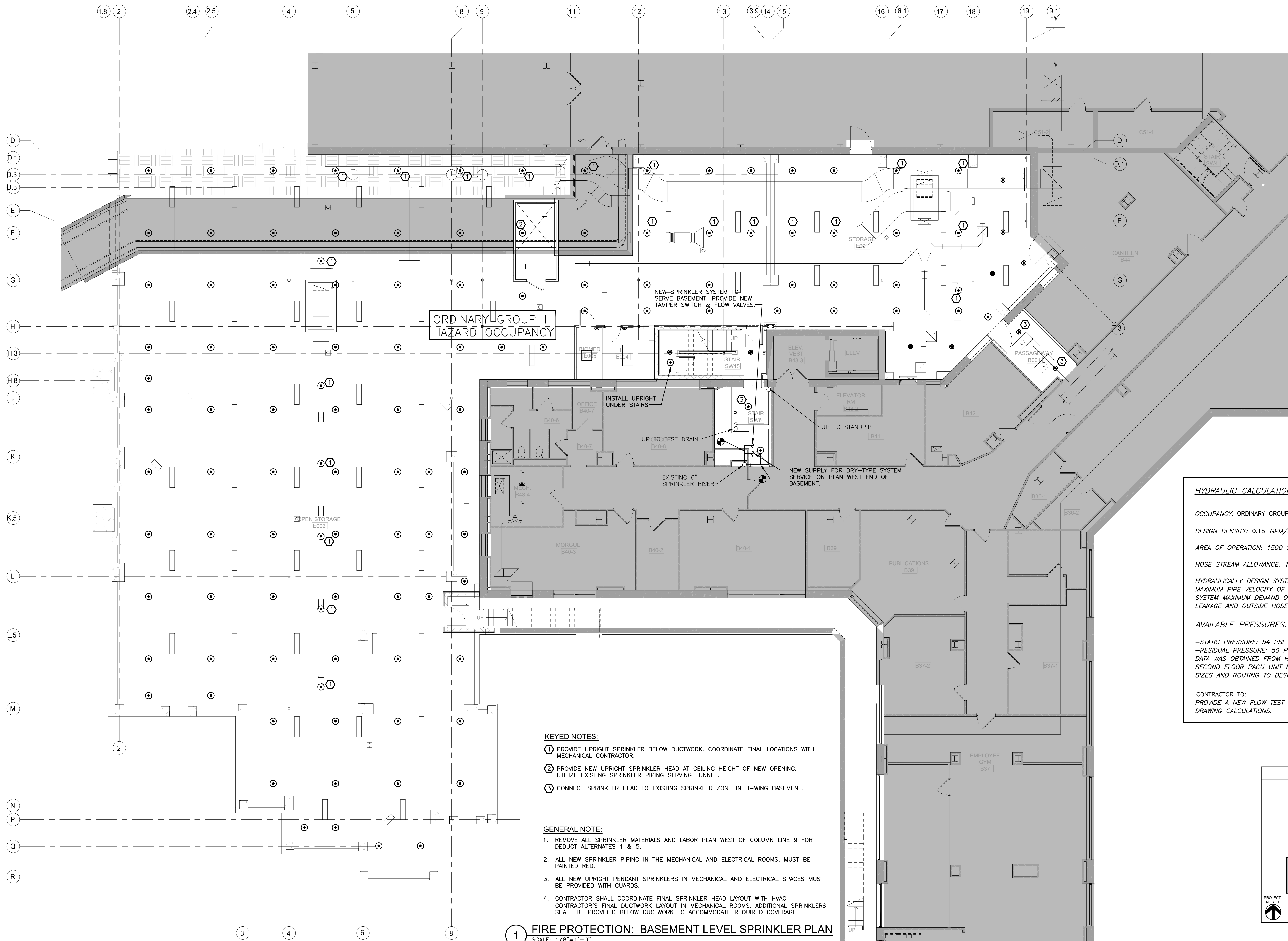


		CONSULTANT	ARCHITECT/ENGINEER OF RECORD		STAMP	Office of Construction and Facilities Management	Drawing Title <b>FIRE PROTECTION: FIRST FLOOR SPRINKLER DEMOLITION PLAN</b>	Phase  100% FOR BID	Project Title STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT	Project Number 528-809
		<div><div>HYMAN HAYES ASSOCIATES</div><div></div><div>800 TROY SCHENECTADY ROAD, STE 103 LATAM, NY 12110 (518) 452-3470 www.hymanhayes.com</div></div>	<div><div><b>FELLENZER III</b> ENGINEERING LLP</div><div>FE PROJECT NO: 19-181  22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481; fx 855-320-8735</div><div>181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704; fx 855-320-8735</div></div>		JOHN D. FELLENZER, P.E.					Building Number 1
							Approved: Project Director	FULLY SPRINKLERED	Location <b>ALBANY, NY</b>	Drawing Number <b>1-FXD-101</b>
Revisions:	Date:				NY PROFESSIONAL ENGINEER NO. 069373-1	VA   U.S. Department of Veterans Affairs		Issue Date MARCH 18, 2022	Checked JDF	Drawn SRB



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**HYDRAULIC CALCULATIONS DATA**

OCCUPANCY: ORDINARY GROUP I

DESIGN DENSITY: 0.15 GPM/SF

AREA OF OPERATION: 1500 SF

HOSE STREAM ALLOWANCE: 100 GPM

HYDRAULICALLY DESIGN SYSTEM PER NFPA-13 WITH MAXIMUM PIPE VELOCITY OF 20FPS AND SPRINKLER SYSTEM MAXIMUM DEMAND OF 325 GPM PLUS SYSTEM LEAKAGE AND OUTSIDE HOSE STREAM OF 100 GPM.

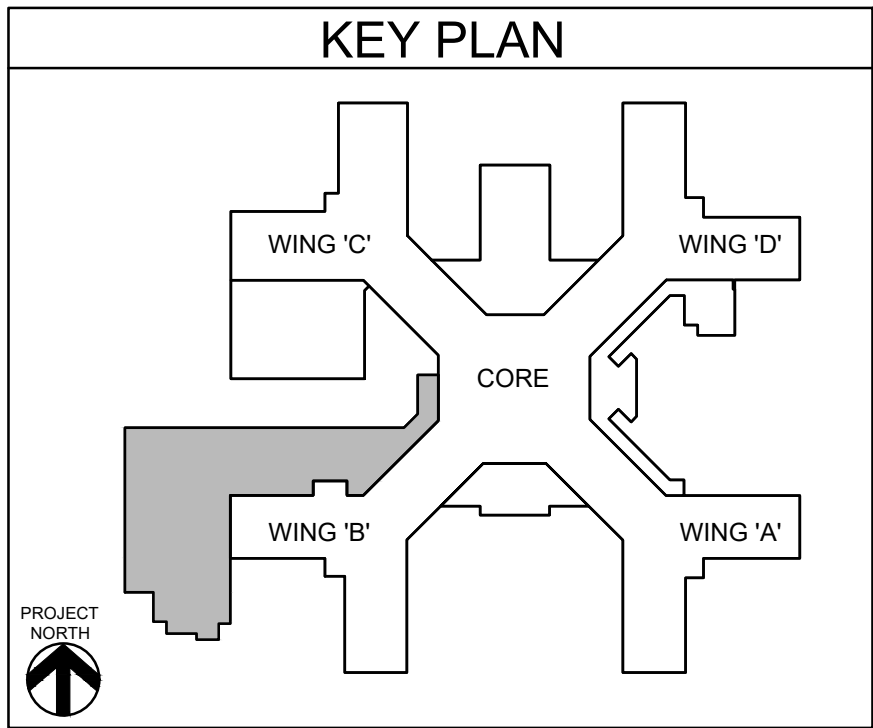
**AVAILABLE PRESSURES:**

-STATIC PRESSURE: 54 PSI

-RESIDUAL PRESSURE: 50 PSI @ 876 GPM


DATA WAS OBTAINED FROM HYDRAULIC CALCULATIONS FOR SECOND FLOOR PACU UNIT IN 2012. FIELD VERIFY PIPE SIZES AND ROUTING TO DESIGN AREA.

CONTRACTOR TO:  
PROVIDE A NEW FLOW TEST WITHIN 6 MONTHS OF SHOP DRAWING CALCULATIONS.



<b>CONSULTANT</b>		<b>ARCHITECT/ENGINEER OF RECORD</b>		<b>STAMP</b>		<b>Office of Construction and Facilities Management</b>		<b>Phase</b>		<b>Project Title</b>		<b>Project Number</b>	
<b>HYMAN HAYES ASSOCIATES</b>		<b>FELLENZER III ENGINEERING LLP</b>		JOHN D. FELLENZER, P.E.		Office of Construction and Facilities Management		100% FOR BID		STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT		528-809	
800 TROY SCHENECTADY ROAD, STE 103 LATINA, NY 12110 (518) 452-3400 www.hymanhayes.com		FE PROJECT NO: 19-181		NY PROFESSIONAL ENGINEER NO. 069373-1		VA U.S. Department of Veterans Affairs		FULLY SPRINKLERED		Location ALBANY, NY		Building Number 1	
Revisions:		Date:								Issue Date MARCH 18, 2022		Checked JDF	
										Drawn SRB		Drawing Number 1-FX-100	



		CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title <b>FIRE PROTECTION: FIRST FLOOR SPRINKLER PLAN</b>		Phase <b>100% FOR BID</b>		Project Title <b>STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT</b>		Project Number <b>528-809</b>									
		<div><div>HYMAN HAYES ASSOCIATES</div><div></div><div>800 TROY SCHENECTADY ROAD, STE 103 LATAMAH, NY 12110 (518) 452-3470 www.hymanhayes.com</div></div>		<div><div><b>FELLENZER III</b> ENGINEERING LLP</div><div>FE PROJECT NO: 19-181</div><div>www.fellip.com</div></div>		JOHN D. FELLENER, P.E.		<div><div>VA</div><div>U.S. Department of Veterans Affairs</div></div>		Approved: Project Director		FULLY SPRINKLERED		Location <b>ALBANY, NY</b>		Issue Date <b>MARCH 18, 2022</b>		Checked JDF		Drawn SRB		Building Number <b>1</b>		Drawing Number <b>1-FX-101</b>	
Revisions:	Date:			22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481; fx 855-320-8735		181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704; fx 855-320-8735		NY PROFESSIONAL ENGINEER NO. 069373-1																	



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GENERAL NOTES:

- ALL CONDUITS ARE SHOWN DIAGRAMMATICALLY. EXACT RUNS SHALL BE DETERMINED IN FIELD EXCEPT WHERE SPECIFICALLY DIMENSIONED ON CONDUIT LAYOUTS. CONTRACTOR SHALL FOLLOW MINIMUM SPACING REQUIREMENTS TO REDUCE ELECTROMAGNETIC INTERFERENCE. COORDINATE CONDUIT ROUTING WITH ALL OTHER TRADES.
- ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING WALLS AND BEAMS EXCEPT WHERE OTHERWISE SHOWN. CONTRACTOR SHALL INSTALL CONDUIT IN SUCH A MANNER TO AVOID ALL INTERFERENCES.
- DEFLECTION/EXPANSION FITTINGS SHALL BE PROVIDED WHERE RIGID METAL CONDUIT CROSSES STRUCTURAL EXPANSION JOINTS.
- EXPOSED CONDUIT SHALL BE SUPPORTED ON WALLS OR CEILINGS BY APPROVED HANGERS OF ANGLE OR CHANNEL CONSTRUCTION. CONDUITS SHALL BE SUPPORTED AT LEAST EVERY EIGHT (8) FEET.
- ALL SPARE CONDUITS SHALL BE TERMINATED AS SHOWN ON CONDUIT LAYOUTS AND SHALL BE CAPPED 3" ABOVE FINISHED FLOOR.
- NO CONDUIT SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE ON PLANS.
- EXACT CONDUIT STUB-UP LOCATIONS ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR BASED ON CERTIFIED MANUFACTURER'S DRAWINGS OF THE RESPECTIVE EQUIPMENT. CONDUIT SHALL BE INSTALLED TO AGREE WITH EQUIPMENT FURNISHED.
- ALL LIGHTING WIRING SHALL BE #12AWG. UNLESS OTHERWISE NOTED. THE NUMBER OF WIRES SHOWN ON THE DRAWINGS IS NOT NECESSARILY THE CORRECT NUMBER REQUIRED. THE CONTRACTOR SHALL INSTALL AS MANY AS ARE NECESSARY FOR PROVIDING A COMPLETE ELECTRICAL SYSTEM IN EACH CASE.
- CONDUITS PASSING THROUGH BUILDING FLOORS OR WALLS BELOW GRADE ARE TO BE INSTALLED WITH WATERIGHT THRU WALL CONDUIT SEAL FITTINGS.
- EQUIPMENT FURNISHED BY OTHERS SHALL BE INSTALLED & ENERGIZED BY THE ELECTRICAL CONTRACTOR.
- ONLY CONDUITS HAVING OUTSIDE DIAMETERS NO LARGER THAN ONE-THIRD OF THE THICKNESS OF SLAB MAY BE INSTALLED WITHIN THE CONCRETE SLABS.
- CONDUITS IN STRUCTURAL SLABS ARE TO BE SPACED SO AS TO PROVIDE NO LESS THAN THREE CONDUIT DIAMETERS, CENTER TO CENTER, WHEREVER POSSIBLE. LARGER SPACING IS PREFERRED.
- CONTINUOUS ROWS OF CONDUITS ARE NOT TO BE PLACED IMMEDIATELY ALONG BEARING ENDS OF SLABS.
- THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES AND PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE MADE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE VERSION OF THE NEC AS WELL AS ALL STATE AND LOCAL CODES.
- THE DRAWINGS INDICATE AND THE SPECIFICATIONS DESCRIBE THE GENERAL ARRANGEMENTS AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF THE WORK.
- PRIOR TO SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK.
  - VERIFY & COORDINATE CONDUIT ROUTING.
  - VERIFY & COORDINATE SCOPE OF SINGLE WORK.
  - VERIFY & COORDINATE SCOPE OF WORK INVOLVING CONNECTIONS TO EXISTING BASE BUILDING SYSTEMS.
  - VERIFY SCOPE OF WORK THAT HAS TO BE DONE WITH EXISTING FIRE ALARM SYSTEM AS REQUIRED TO ACCOMMODATE ALL ADDED DEVICES.
  - VERIFY WITH GENERAL CONTRACTOR SCOPE OF WORK ASSOCIATED WITH RIGGING OF EQUIPMENT TO BE PREPARED.
  - COORDINATE WITH THE BUILDING ENGINEER AND GENERAL CONTRACTOR SHUT DOWNS OF EXISTING FACILITIES.
- ARRANGE FOR SITE VISIT WITH THE BLDG. OWNER REPRESENTATIVE AND GENERAL CONTRACTOR.
- CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS SHALL NOT BE PAID FOR BY ANY OTHER PARTY.
- CONNECTIONS TO EXISTING WORK:
  - INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.
  - TEMPORARY SHUTDOWNS OF EXISTING SERVICES:
    - AT NO ADDITIONAL CHARGES.
    - AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING SERVICES.
    - ONLY WITH WRITTEN CONSENT OF THE GENERAL CONTRACTOR AND/OR BUILDING OWNERS REPRESENTATIVE.
  - ALARM AND EMERGENCY SYSTEMS: NOT TO BE INTERRUPTED.
  - MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK.
  - CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.
  - PRIOR TO DEMOLITION OF AN EXISTING POWER PANEL, THE CONTRACTOR SHALL SEARCH OUT ALL EXISTING CIRCUITS FED FROM THE PANEL, TO PREVENT ANY ACCIDENTAL SERVICE INTERRUPTIONS.
- LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. CONDUIT OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED-FURNISH PULL STRING.

ELECTRICAL DEMOLITION NOTES:

- COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT AREAS TO BE DEMOLISHED.
- DISCONNECT AND REMOVE ALL DEVICES, FIXTURES, FIRE ALARM DEVICES, DATA/TEL. OUTLETS, POWER CONNECTIONS TO HVAC EQUIPMENT AND DISCONNECT SWITCHES, CONDUIT & WIRING FROM ALL WALLS/CEILINGS BEING REMOVED, WITHIN THIS AREA BACK TO POWER PANEL. ALL EXISTING CIRCUIT BREAKERS SHALL REMAIN IN PLACE AND LABELED AS "SPARE".
- ALL EXISTING DEVICES SCHEDULED TO REMAIN SHALL BE EXTENDED/RE-CIRCUTED TO MAINTAIN CONTINUITY OF CIRCUIT/DEVICES.
- REMOVALS SHALL INCLUDE, BUT NOT BE LIMITED TO DEVICES, FIXTURES, FIRE ALARM DEVICES, DATA/TEL. OUTLETS, POWER CONNECTIONS TO HVAC EQUIPMENT AND DISCONNECT SWITCHES, CONDUIT & WIRING.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL NECESSARY TEMPORARY WORK AND/OR MATERIALS TO RENDER EXISTING SYSTEM OPERATIONAL DURING ALL PHASES OF CONSTRUCTION IN ALL OCCUPIED SPACES, INCLUDING BUT NOT LIMITED TO, POWER, DATA, LIGHTING, EMERGENCY COMPONENTS & ALARMS. COORDINATE WITH ALL TRADES, OWNER AND OVERALL CONTRACTING PHASING SCHEDULE.
- ALL CUTTING AND PATCHING NECESSARY FOR THE DEMOLITION WORK SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.
- IT SHALL BE THE OWNER'S RESPONSIBILITY TO REMOVE ANY LOSS OF EQUIPMENT, FURNITURE, SUPPLIES, ETC. THAT MAY BE LOCATED IN THE AREA OF WORK.
- THE PLANS ARE INTENDED TO CONVEY THE EXTENT AND SCOPE OF THE DEMOLITION WORK. EVERY ITEM INTENDED FOR REMOVAL MAY NOT BE SHOWN. THE CONTRACTOR IS ADVISED TO SURVEY THE PROJECT SITE BEFORE SUBMITTING A BID FOR DEMOLITION WORK.

FIRE ALARM NOTES:

- REFER TO THE FIRE ALARM PLANS FOR LOCATION & QUANTITY OF FIRE ALARM DEVICES.
- ALL FIRE ALARM WIRING SHALL BE IN RED CONDUIT AND SHALL BE CONCEALED IN CEILING SPACES & WALLS.
- SYSTEM SCHEMATIC IS A DIAGRAMMATIC REPRESENTATION OF THE FIRE ALARM SYSTEM. THE SYSTEM SHALL BE INSTALLED AND WIRED AS PER THE SYSTEM MANUFACTURER'S RECOMMENDATION FOR A COMPLETE AND OPERABLE SYSTEM.
- CONTRACTOR IS RESPONSIBLE FOR ALL FILING AND FINAL INSPECTION AS PER THE LOCAL AUTHORITY HAVING JURISDICTION.
- CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY MODULES, INTERFACE MODULES AND DEVICES REQUIRED TO PROVIDE AN OPERABLE ALARM SYSTEM IN COMPLIANCE WITH ALL CODES.
- ACTIVATION OF ANY PULL STATION OR SMOKE DETECTOR IN THE EMERGENCY DEPARTMENT SHALL IMMEDIATELY CAUSE THE ENTIRE BUILDING TO ENTER THE ALARM MODE.
- UPON ENTERING THE PANEL ALARM MODE, THE ALARM INDICATING DEVICE SHALL BE ACTIVATED, AND THE DIGITAL COMMUNICATOR SHALL NOTIFY THE CENTRAL RECEIVING STATION.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY ADDITIONAL RELAY DEVICES OR POWER TRANSFORMERS FOR PROPER OPERATION OF THE FAN SHUT-DOWN UNITS AND OTHER RELATED DEVICES.
- NEW FIRE ALARM SYSTEM SHALL BE TESTED IN ACCORDANCE WITH NFPA CODES 70, 70E, 72.
- CONTRACTOR SHALL PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. MODEL NUMBERS GIVEN MAY NOT INCLUDE ALL SPECIFIC REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION.
- PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE THEN TWO STROBES ARE VISIBLE THEY SHALL FLASH IN SYNC.
- ENTIRE FIRE DETECTION AND ALARM SYSTEM SHALL BE FURNISHED AND INSTALLED BY A LICENSED ALARM CONTRACTOR.
- CO ALARM SHALL ANNUNCIATE AS A SUPERVISORY CONDITION.
- ALL AIR HANDLING SYSTEMS RATED 2,000 CFM OR MORE SHALL BE PROVIDED WITH FAN SHUTDOWNS CONNECTED TO THE FIRE ALARM SYSTEM.

PROPOSED NEW TRANSFORMER CUT-OVER SEQUENCE:

- INSTALL NEW PRIMARY CONDUCTORS FROM EXISTING MANHOLE #13 TO NEW TRANSFORMERS BA & BB. NEW SECONDARY CONDUCTORS FROM NEW TRANSFORMERS BA & BB TO PULL BOX IN CRAWL SPACE; AND NEW TRANSFORMERS BA & BB AND CONCRETE PAD.
- COORDINATE SHUTDOWN OF SWITCHBOARD BA WITH THE VA. OPEN MAIN CIRCUIT BREAKER IN SWITCHBOARD BA AND CLOSE TIE BREAKER IN SWITCHBOARD B. EXISTING TRANSFORMER BB NOW FEEDS ALL OF SWITCHBOARD B.
- DE-ENERGIZE EXISTING TRANSFORMER BA.
- REMOVE PRIMARY CONDUCTORS FROM MANHOLE #13 TO EXISTING TRANSFORMER BA, CUT SECONDARY CONDUCTORS AT EXISTING PULL BOX IN SUB-BASEMENT AND REMOVE FROM PULL BOX TO EXISTING TRANSFORMER BA.
- SPLICE NEW PRIMARY CONDUCTORS IN MANHOLE #13 AND NEW SECONDARY CONDUCTORS IN EXISTING PULL BOX IN SUB-BASEMENT.
- ENERGIZE NEW TRANSFORMER BA.
- COORDINATE SHUTDOWN OF SWITCHBOARD B WITH THE VA. OPEN MAIN CIRCUIT BREAKER IN SWITCHBOARD BB AND CLOSE MAIN BREAKER IN SWITCHBOARD BA. NEW TRANSFORMER BA NOW FEEDS ALL OF SWITCHBOARD B.
- DE-ENERGIZE EXISTING TRANSFORMER BB.
- REMOVE PRIMARY CONDUCTORS FROM MANHOLE #13 TO EXISTING TRANSFORMER BB, CUT SECONDARY CONDUCTORS AT EXISTING PULL BOX IN SUB-BASEMENT AND REMOVE FROM PULL BOX TO EXISTING TRANSFORMER BB.
- SPLICE NEW PRIMARY CONDUCTORS IN MANHOLE #13 AND NEW SECONDARY CONDUCTORS INTO EXISTING PULL BOX IN SUB-BASEMENT.
- ENERGIZE NEW TRANSFORMER BB.
- COORDINATE SHUTDOWN OF SWITCHBOARD BB WITH THE VA. OPEN TIE BREAKER IN SWITCHBOARD B AND CLOSE MAIN CIRCUIT BREAKER IN SWITCHBOARD BB. NEW TRANSFORMERS BA & BB ARE NOW ACTIVE AND FEED SWITCHBOARD B.
- REMOVE EXISTING TRANSFORMERS BA & BB, CONCRETE PADS, AND ALL APPURTENANCES STILL REMAINING.

LIGHTING SYMBOLS

- ☒ CEILING MOUNTED VACANCY SENSOR
- ☒ EXIT LIGHT (SEE SCHEDULE)
- 1P, 20A, TOGGLE SWITCH, PROVIDE WITH MATCHING FACE PLATE, COLOR BY ARCHITECT. MOUNT 48" AFF. '3' DENOTES WIRING FOR 3-WAY CAPABILITY. '0' DENOTES WIRING FOR DIMMING CAPABILITY.
- 1P, 20A, TOGGLE SWITCH WITH BUILT-IN VACANCY SENSOR, PROVIDE WITH MATCHING FACE PLATE, COLOR BY ARCHITECT. MOUNT 48" AFF. '3' DENOTES WIRING FOR 3-WAY CAPABILITY. '0' DENOTES WIRING FOR DIMMING CAPABILITY.

COMMUNICATION SYMBOLS

- ▽ TELEPHONE OUTLET. PROVIDE & INSTALL CAT6A CABLE FROM OUTLET LOCATION TO IT ROOM 101 1' SF ABOVE CEILING IN 3/4" CONDUIT. MOUNT OUTLET 18" AFF UNLESS OTHERWISE NOTED.
- ▽ COMBINATION TELEPHONE/DATA OUTLET. PROVIDE & INSTALL (4) CAT6A CABLES FROM OUTLET LOCATION IT ROOM 101 1' SF ABOVE CEILING EACH IN 3/4" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- ▽ DATA OUTLET. PROVIDE & INSTALL PROVIDED (4) CAT6A CABLE FROM OUTLET LOCATION TO IT ROOM 101 1' SF ABOVE CEILING EACH IN 3/4" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- ▽ TV OUTLET. PROVIDE & INSTALL PULL STRING FROM OUTLET LOCATION TO IT ROOM 101 1' SF ABOVE CEILING EACH IN 3/4" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- ↑ (X/E) FIXED CAMERA. RETAIN THE SERVICES OF THE FACILITY'S SECURITY CAMERA VENDOR AND CONNECT TO EXISTING POLICE SECURITY SYSTEM. ARROW DENOTES DIRECTION CAMERA FACES. # DENOTES NUMBER OF CAMERAS. 'E' DENOTES CAMERA IS EXTERIOR.

- IN INTERCOM. PROVIDE SYSTEM AND ALL APPURTENANCES IN COORDINATION WITH VA ACCESS CONTROL VENDOR. PROGRAMMING BY ACCESS CONTROL VENDOR.
- DA DOOR ACTIVATOR. PROVIDE ALL APPURTENANCES IN COORDINATION WITH VA ACCESS CONTROL VENDOR.
- WA WIRELESS ACCESS POINT FOR GUEST PURPOSES. PROVIDE JUNCTION BOX AND (2) CAT 6A CABLES BACK TO TIE CLOSET B43-6. ROUTER TO BE INSTALLED BY OTHERS.
- VA WIRELESS ACCESS POINT FOR VA MEDICAL PURPOSES. PROVIDE JUNCTION BOX AND (2) CAT 6A CABLES BACK TO BIOMEDICAL CLOSET B43-5. ROUTER TO BE INSTALLED BY OTHERS.
- SP PUBLIC ANNOUNCEMENT SPEAKER. LOOP BACK TO SYSTEM AMPLIFIER IN BUILDING 1 FIRST FLOOR. RETAIN THE SERVICES OF AN AUTHORIZED SERVICE REPRESENTATIVE TO EVALUATE EXISTING SYSTEM FOR THE ADDITIONAL LOOP AND FOR PROGRAMMING.

POWER SYMBOLS

- ☒ SPEC GRADE NEMA 5-20R RECEPTACLE. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE -TP INDICATES TAMPER PROOF TYPE RECEPTACLE
- ☒ SPEC GRADE NEMA 5-20R RECEPTACLE. MOUNT AT 44" AFF OR 6" ABOVE COUNTER. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE -TP INDICATES TAMPER PROOF TYPE RECEPTACLE
- 2P, 3 WIRE, 250V GROUNDING NEMA 6-30R RECEPTACLE. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE
- 1P, 3 WIRE, 125V QUAD RECEPTACLE. -GFI INDICATES GROUND FAULT INTERRUPTION -WP INDICATES WEATHER PROOF ENCLOSURE
- ☒ SPECIAL PURPOSE CONNECTION.
- J JUNCTION BOX, SIZE PER N.E.C.
- J V JUNCTION BOX FOR HVAC CONTROL POWER, SIZE PER N.E.C.
- 3P, FUSED DISCONNECT SWITCH, FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SHALL HAVE THE SAME # OF POLES & AMPERE RATING AS CONNECTING CIRCUIT UNLESS OTHERWISE NOTED.
- PB PULL BOX, SIZED PER NEC
- CONDUIT HOME RUN TO DESIGNATED PANEL. REFER TO PANEL SCHEDULE FOR CONDUIT & CABLE QUANTITY AND SIZE.
- DOUBLE HOME RUN
- TRIPLE HOME RUN
- GROUND
- TRANSFORMER
- 120V, OR 208V, 1P, MOTOR STARTER WITH OVERLOADS TO SERVE AS DISCONNECTING MEANS. COORDINATE WITH OTHER TRADES.
- TRANSFORMER (SIZE SHOWN ON PLAN OR ONE-LINE DIAGRAM)
- 100A-1P
- CIRCUIT BREAKER - 100A TRIP - SINGLE POLE
- PROXIMITY CARD READER. PROVIDE AND INSTALL (1) CAT6 CABLE BACK FROM LOCATION TO TIPS CLOSET ABOVE CEILING IN 3/4" CONDUIT. PROVIDE READER AND ALL APPURTENANCES IN COORDINATION WITH VA ACCESS CONTROL VENDOR. PROGRAMMING BY ACCESS CONTROL VENDOR. CARD READERS MUST BE DISABLED UPON ACTIVATION OF FIRE ALARM. PROVIDE JUNCTION BOX IN CEILING AND CIRCUIT BACK TO ED-LS/18.

ABBREVIATIONS

A	AMPERE	JB	JUNCTION BOX
ACT	ACOUSTIC CEILING TILE	KV	KILO VOLT
AD	AUTOMATIC DAMPER	KVA	KILO VOLT AMP
AF	AMPERE FRAME	KW	KILO WATT
AFF	ABOVE FINISHED FLOOR	LED	LIGHT-EMITTING DIODE
AIC	AMPERE INTERRUPTING CAPACITY	LP	LIGHTING PANEL
AL	ALUMINUM	LTG	LIGHTING
ATS	AUTOMATIC TRANSFER SWITCH	M.C.	MECHANICAL CONTRACTOR
AUTO	AUTOMATIC	MCM	THOUSAND CIRCULAR MILS
AWG	AMERICAN WIRE GAUGE	MCB	MAIN CIRCUIT BREAKER
BOW	BARE COPPER WIRE	MECH	MECHANICAL
C	CONDUIT	MDP	MAIN DISTRIBUTION PANEL
CAT	CATALOG	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	MTD	MOUNTED
CKT	CIRCUIT	MTG	MOUNTING
CLG	CEILING	N	NEUTRAL
CU	COPPER	INC	NOT IN CONTRACT
DP	DISTRIBUTION PANEL	NEC	NATIONAL ELECTRIC CODE
DIV	DIVISION	NTS	NOT TO SCALE
DS	DISCONNECT (LOCKOUT) SWITCH	NM	NON-METALLIC CONDUIT
DWG	DRAWING	P	POLE
EA	EACH	PB	PULL BOX
E.C.	ELECTRICAL CONTRACTOR	PH	PHASE
ELEC.	ELECTRICAL	PWR	POWER
ELEV	ELEVATOR	RECEPT.	RECEPTACLE
E.P.O.	EMERGENCY POWER OFF	REQ.	REQUIRED
EQUIP.	EQUIPMENT	RGS	RIGID GALVANIZED STEEL
EMT	ELECTRICAL METALLIC TUBING	RM	ROOM
FAP	FIRE ALARM PANEL	SCHED.	SCHEDULE
FL	FLOOR	SECT.	SECTION
FLEX	FLEXIBLE	SPEC.	SPECIFICATION
FT	FEET OR FOOT	SPKR.	SPEAKER
F.W.E.	FURNISHED WITH EQUIPMENT	SW	SWITCH
G, GND	GROUND	SWB	SWITCH BOARD
GEN.	GENERATOR	SYS	SYSTEM
GFI	GROUND FAULT INTERRUPTER	TEL	TELEPHONE
GP	GENERAL CONTRACTOR	TC	TIME CLOCK
HP	HORSEPOWER	TYP	TYPICAL
HVAC	HEATING, VENTILATING & AIR CONDITIONING	U.N.O.	UNLESS NOTED OTHERWISE
HZ	HERTZ	VFC	VARIABLE FREQUENCY CONTROLLER
IC	INTERRUPTING CAPACITY	VIF	VERIFY IN FIELD
IMC	INTERMEDIATE METAL CONDUIT	W	WATT
		XFMR/ TRANSF.	TRANSFORMER

ELECTRICAL LINE TYPES

- / — or — — — EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- NEW DEVICE
- NEW WIRING
- NEW FIXTURE

GENERAL SYMBOLS

- ☒ POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- ☒ POINT OF DISCONNECT
- X XX INDICATES SECTION LETTER
- XX INDICATES DRAWING NUMBER WHERE LOCATED

LEGEND AND SCHEDULE OF ELECTRICAL EQUIPMENT

SYMBOL	MANUFACTURER	MODEL #	DESCRIPTION
	ASCO	7ACTBB3400NC	480/277V, 400A, 3ø, 4W CLOSED TRANSITION, BYPASS-ISOLATION TYPE AUTOMATIC TRANSFER SWITCH WITH NEMA 1 ENCLOSURE AND SWITCHED NEUTRAL. PROVIDE ACCESSORIES NEEDED FOR LOAD SHEDDING, COMMUNICATION, AND CORRELATION. PROVIDE PROGRAMMING/REPROGRAMMING OF EXISTING LOAD SHED SEQUENCE AT PARALLELING SWITCHGEAR.

LEGEND AND SCHEDULE OF FIRE ALARM EQUIPMENT

SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
	NOTIFIER BY HONEYWELL	NFS-320E	318 POINT ADDRESSABLE FIRE ALARM TERMINAL BOX, 240VAC.
		FDU-80	80 CHARACTER BACKLIT LCD REMOTE FIRE ANNUNCIATOR.
		NBG-12LX	ADDRESSABLE MANUAL DUAL-ACTION PULL STATION, RED
		FSP-851	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR WITH 0.5% TO 2.35% SENSITIVITY
		FSC0-951	ADDRESSABLE CARBON MONOXIDE DETECTOR
		RTS151 KEY	DUOT SMOKE DETECTOR REMOTE TEST STATION. KEYED TEST STATION WITH MULTI-COLORED LED THAT ALTERNATES BETWEEN RED & GREEN. RED INDICATES ALARM. FOR USE WITH DUOT DETECTOR BELOW. PROVIDE WITH 40 KEYS. ALL REMOTE TEST STATIONS SHALL BE KEYED THE SAME. 24VDC. 30 MA MAXIMUM ALARM CURRENT.
		DNR	ADDRESSABLE NON-RELAY PHOTOELECTRIC DUOT SMOKE DETECTOR. PROVIDE WITH APPROPRIATELY SIZE METAL SAMPLING TUBE AND ALL OTHER APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. COORDINATE INSTALLATION WITH M.C.
	SYSTEM SENSOR	SRL	STROBE WITH SELECTABLE 15,30,75,95,110,135, AND 185 CD OUTPUT. RED INDOOR USE ONLY
	SYSTEM SENSOR	P2RL	HORN-STROBE WITH SELECTABLE 15,30,75,95,110,135, AND 185 CD STROBE OUTPUT AND SELECTABLE 63-90 DB HORN OUTPUT. RED INDOOR USE ONLY

- NOTES:
- PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE THEN TWO STROBES ARE VISIBLE THEY SHALL FLASH IN SYNC.
  - STROBES MUST BE PLACED 15' FROM THE END OF ANY CORRIDOR.

LEGEND AND SCHEDULE OF NURSE CALL EQUIPMENT

SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION
	HILLROM	P2500NC1B00	GRAPHICAL STAFF CONSOLE DESK MOUNT. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
	HILLROM	P2594NC2C11	GRAPHICAL ROOM STATION WITH CODE BLUE EMERGENCY LEVER. PROVIDE CAT6 CABLE TO TERMINAL BLOCK OF ROOM CONTROL BOARD AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
	HILLROM	P2520B01	EMERGENCY BATHROOM SWITCH WITH CALL CANCEL BUTTON. PROVIDE CAT6 TO TERMINAL BLOCK OF ROOM CONTROL BOARD AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
	HILLROM	P2506NC8A00-D	DOME LIGHT WITH 4 CONFIGURATION LEDS. PROVIDE CAT6 CABLE TO TERMINAL BLOCK OF ROOM CONTROL BOARD AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
	HILLROM	P2506NC1B00	SINGLE DOME LIGHT. PROVIDE CAT6 CABLE TO CONNECT TO TERMINAL BLOCK OF ROOM CONTROL BOARD AND INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
	HILLROM	P2599NC1B00	ROOM CONTROL BOARD. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
	HILLROM	P2516A01	EQUIPMENT RECEPTACLE. PROVIDE CAT6 CABLE TO TERMINAL BLOCK OF ROOM CONTROL BOARD AND INSTALL PER MANUFACTURES WRITTEN INSTRUCTIONS.
	HILLROM	P2520A07	CODE BLUE PUSH BUTTON SWITCH. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

Revisions:	Date:

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Office of  
Construction  
and Facilities  
Management

VA

U.S. Department  
of Veterans Affairs

Drawing Title

ELECTRICAL:  
SYMBOLS, ABBREVIATIONS + NOTES

Approved: Project Director

Phase

100% FOR BID

FULLY SPRINKLERED

Project Title

STRATTON VA MEDICAL CENTER  
NEW EMERGENCY DEPARTMENT

Location  
ALBANY, NY

Issue Date

MARCH 18, 2022

Checked

JDF

Drawn

SRB

Project Number

528-809

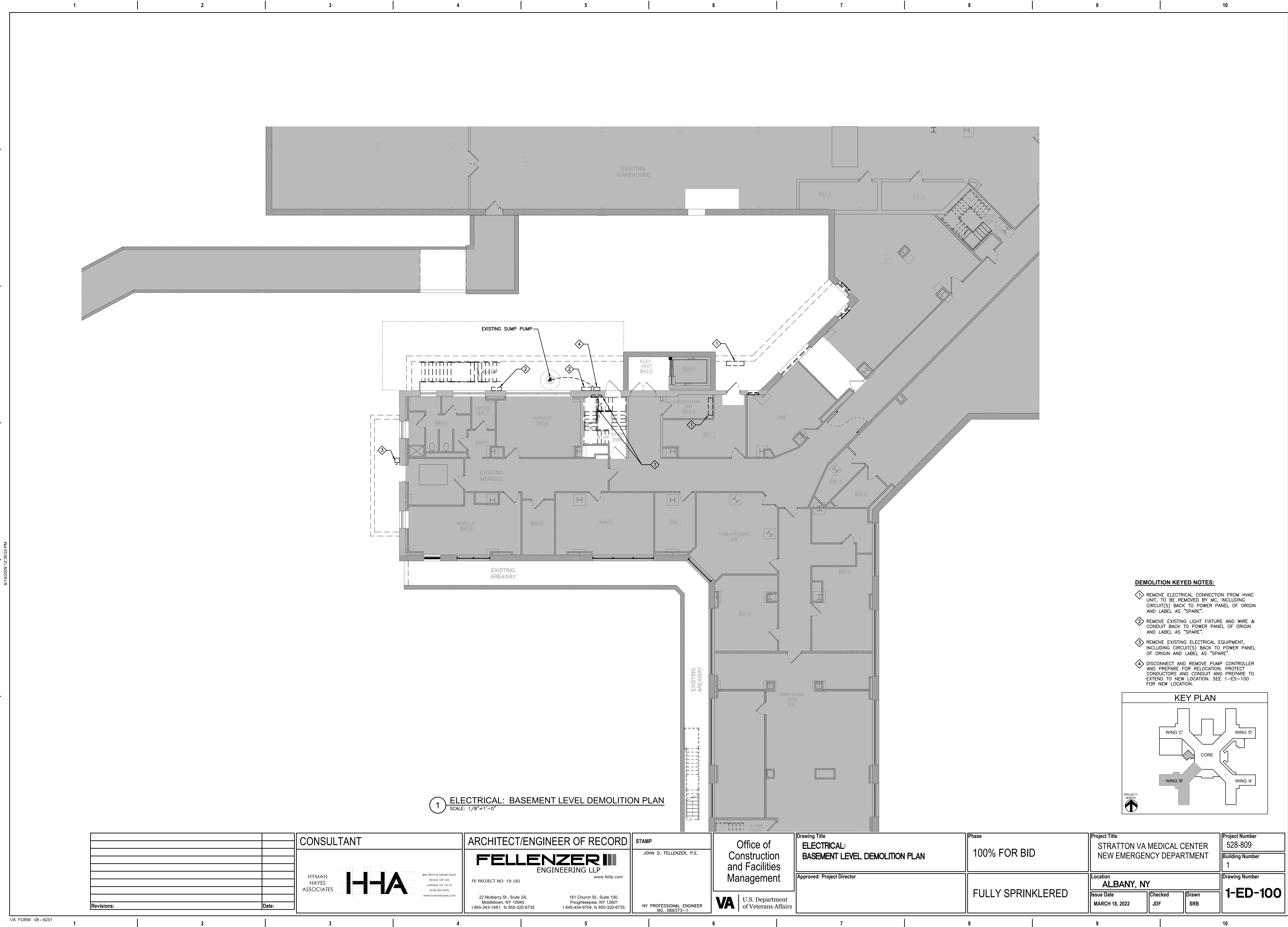
Building Number

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Drawing Number

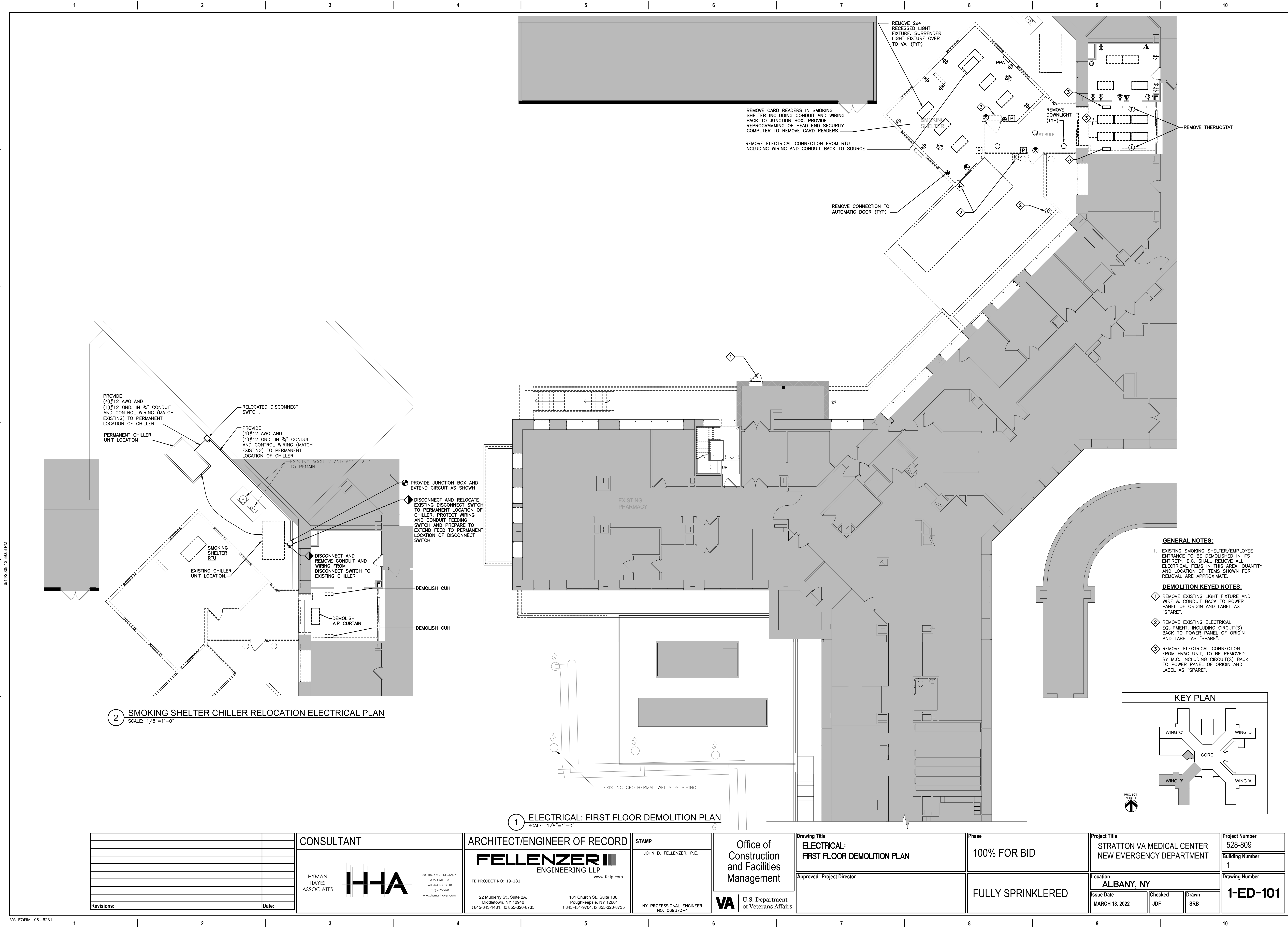
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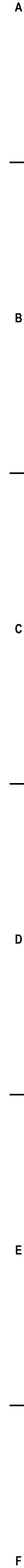
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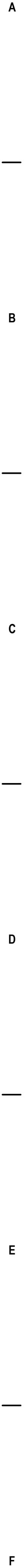


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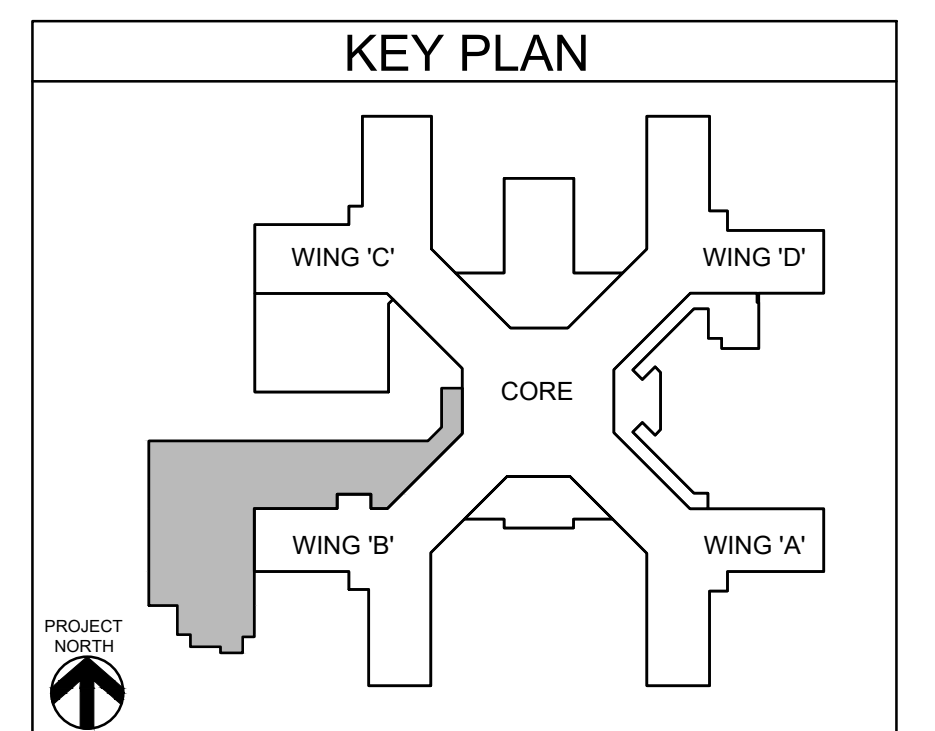
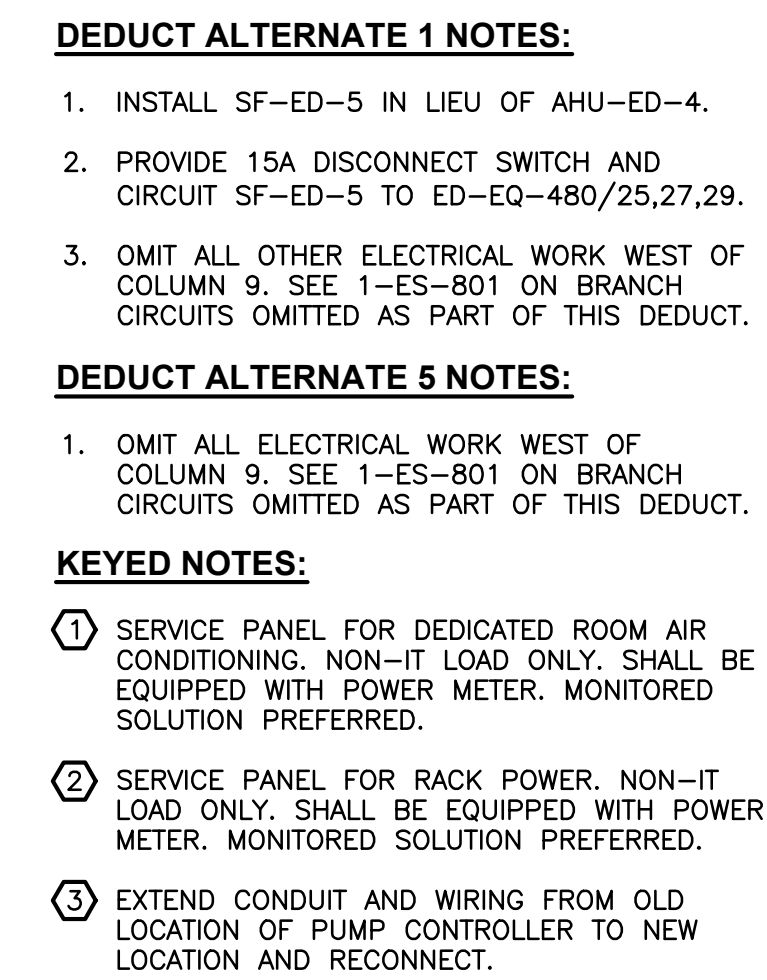


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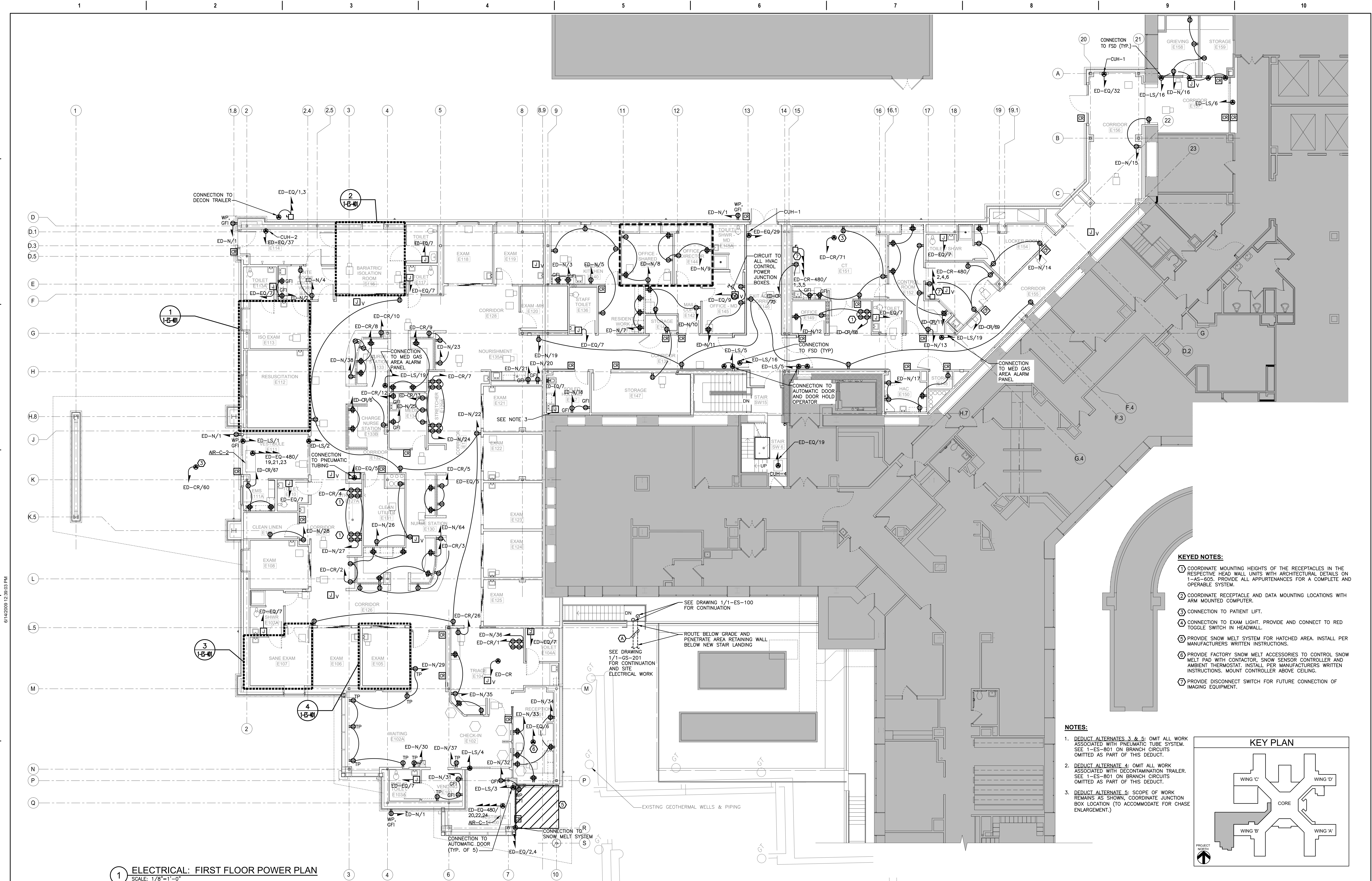


1 ELECTRICAL: BASEMENT LEVEL POWER PLAN  
SCALE: 1/8"=1'-0"

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						<div>Building Number</div> <div>1</div>			
						<div>Drawing Number</div> <div>1-ES-100</div>			
						<div>Location</div> <div>ALBANY, NY</div>			
						<div>Issue Date</div> <div>MARCH 18, 2022</div>	<div>Checked</div> <div>JDF</div>	<div>Drawn</div> <div>SRB</div>	
Revisions:	Date:								



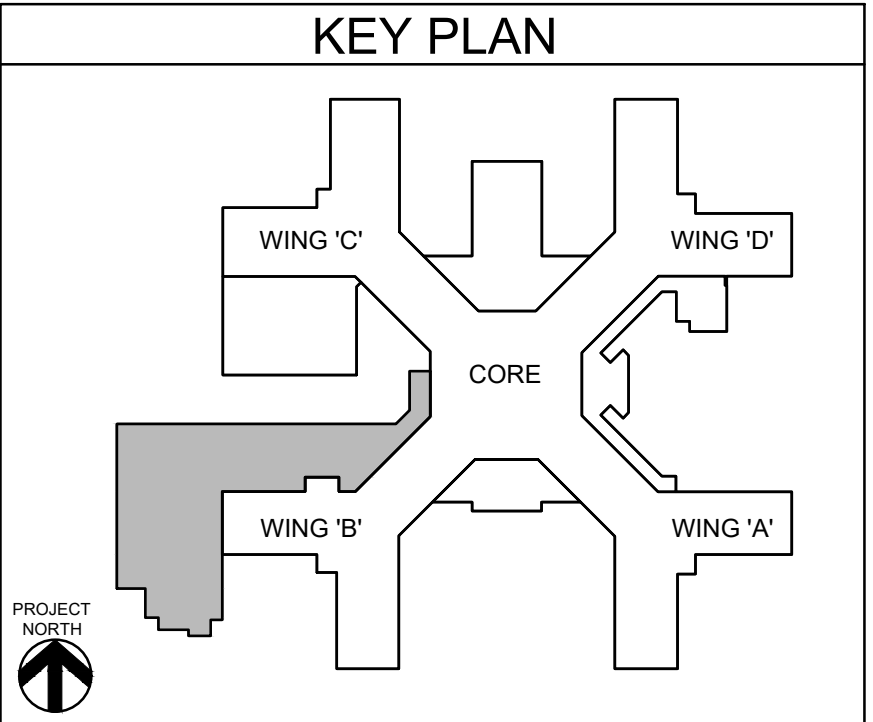
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1 ELECTRICAL: FIRST FLOOR POWER PLAN  
SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- COORDINATE MOUNTING HEIGHTS OF THE RECEPTACLES IN THE RESPECTIVE HEAD WALL UNITS WITH ARCHITECTURAL DETAILS ON 1-AS-605. PROVIDE ALL APPURTENANCES FOR A COMPLETE AND OPERABLE SYSTEM.
  - COORDINATE RECEPTACLE AND DATA MOUNTING LOCATIONS WITH ARM MOUNTED COMPUTER.
  - CONNECTION TO PATIENT LIFT.
  - CONNECTION TO EXAM LIGHT. PROVIDE AND CONNECT TO RED TOGGLE SWITCH IN HEADWALL.
  - PROVIDE SNOW MELT SYSTEM FOR HATCHED AREA. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS.
  - PROVIDE FACTORY SNOW MELT ACCESSORIES TO CONTROL SNOW MELT PAD WITH CONTACTOR. SNOW SENSOR CONTROLLER AND AMBIENT THERMOSTAT. INSTALL PER MANUFACTURERS WRITTEN INSTRUCTIONS. MOUNT CONTROLLER ABOVE CEILING.
  - PROVIDE DISCONNECT SWITCH FOR FUTURE CONNECTION OF IMAGING EQUIPMENT.

- NOTES:**
- DEDUCT ALTERNATES 3 & 5: OMIT ALL WORK ASSOCIATED WITH PNEUMATIC TUBE SYSTEM. SEE 1-ES-801 ON BRANCH CIRCUITS OMITTED AS PART OF THIS DEDUCT.
  - DEDUCT ALTERNATE 4: OMIT ALL WORK ASSOCIATED WITH DECONTAMINATION TRAILER. SEE 1-ES-801 ON BRANCH CIRCUITS OMITTED AS PART OF THIS DEDUCT.
  - DEDUCT ALTERNATE 5: SCOPE OF WORK REMAINS AS SHOWN, COORDINATE JUNCTION BOX LOCATION (TO ACCOMMODATE FOR CHASE ENLARGEMENT.)



Revisions:	Date:

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NY PROFESSIONAL ENGINEER  
NO. 069373-1

Office of  
Construction  
and Facilities  
Management

**VA** U.S. Department  
of Veterans Affairs

Drawing Title

**ELECTRICAL:  
FIRST FLOOR POWER PLAN**

Approved: Project Director

Phase

100% FOR BID

FULLY SPRINKLERED

Project Title

STRATTON VA MEDICAL CENTER  
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Location

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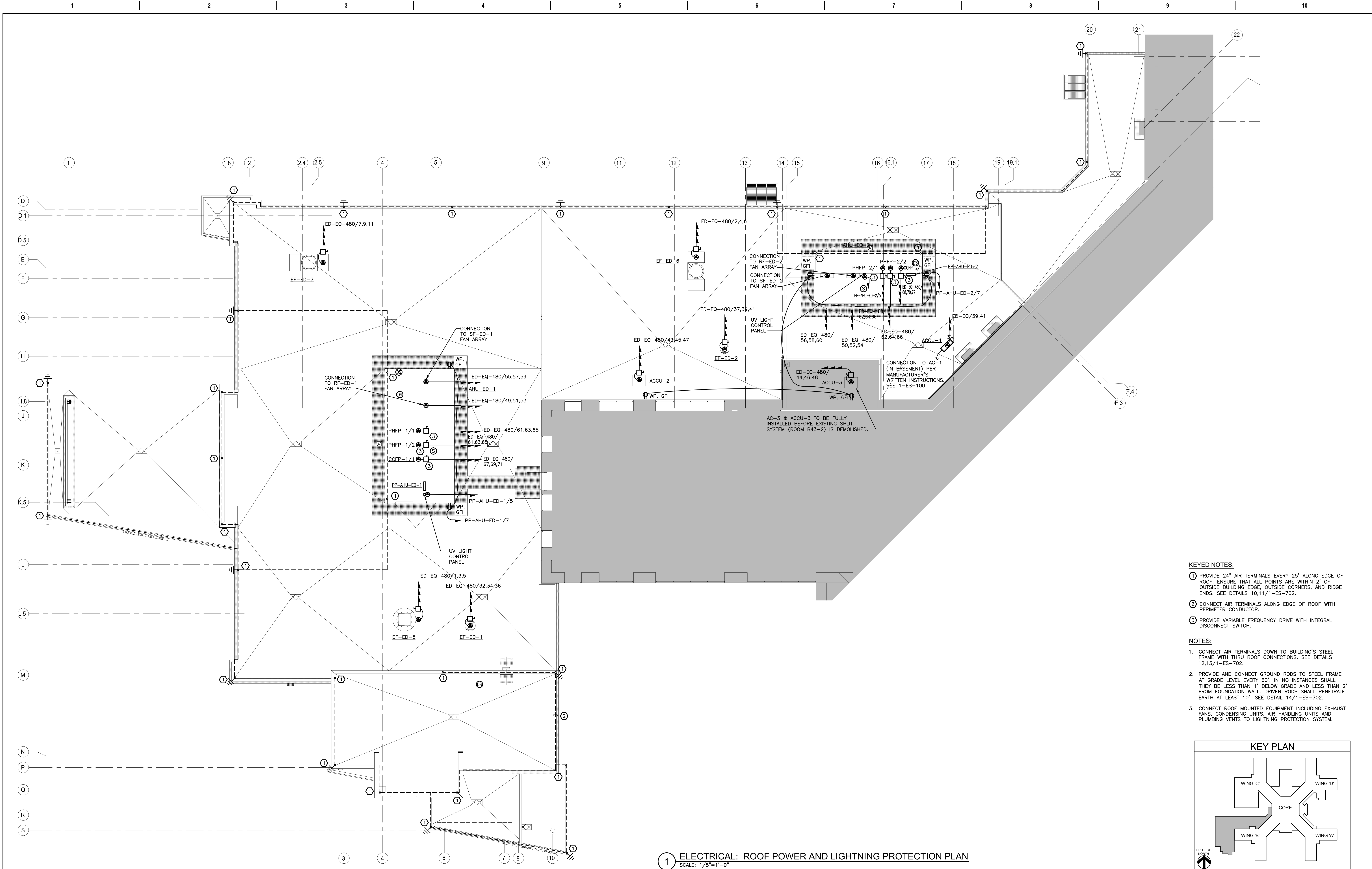
Building Number

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Drawing Number

**1-ES-101**

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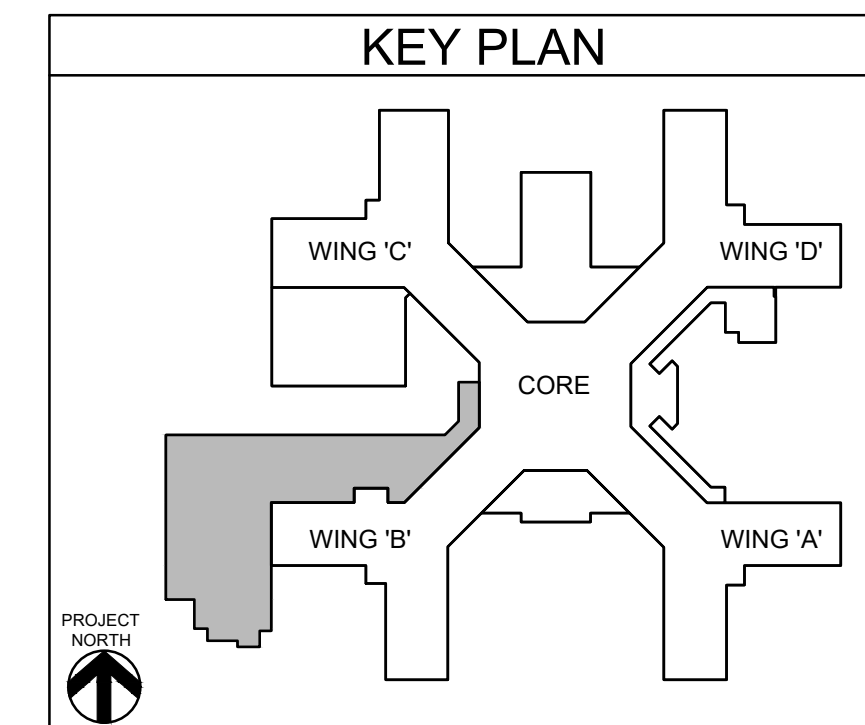


KEYED NOTES:

1. PROVIDE 24" AIR TERMINALS EVERY 25' ALONG EDGE OF ROOF. ENSURE THAT ALL POINTS ARE WITHIN 2' OF OUTSIDE BUILDING EDGE, OUTSIDE CORNERS, AND RIDGE ENDS. SEE DETAILS 10,11/1-ES-702.
2. CONNECT AIR TERMINALS ALONG EDGE OF ROOF WITH PERIMETER CONDUCTOR.
3. PROVIDE VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT SWITCH.

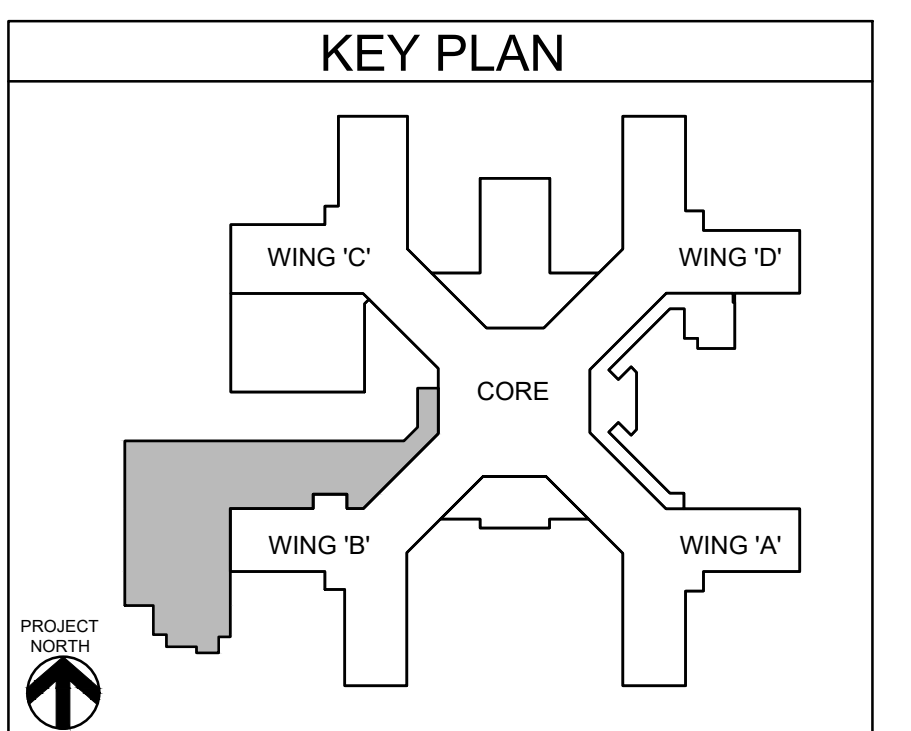
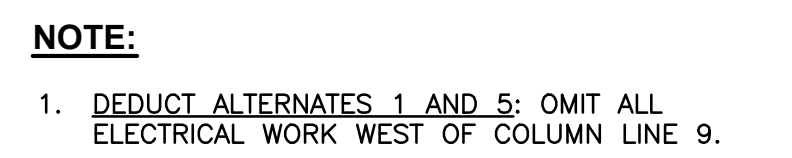
NOTES:

1. CONNECT AIR TERMINALS DOWN TO BUILDING'S STEEL FRAME WITH THRU ROOF CONNECTIONS. SEE DETAILS 12,13/1-ES-702.
2. PROVIDE AND CONNECT GROUND RODS TO STEEL FRAME AT GRADE LEVEL EVERY 60'. IN NO INSTANCES SHALL THEY BE LESS THAN 1' BELOW GRADE AND LESS THAN 2' FROM FOUNDATION WALL. DRIVEN RODS SHALL PENETRATE EARTH AT LEAST 10'. SEE DETAIL 14/1-ES-702.
3. CONNECT ROOF MOUNTED EQUIPMENT INCLUDING EXHAUST FANS, CONDENSING UNITS, AIR HANDLING UNITS AND PLUMBING VENTS TO LIGHTNING PROTECTION SYSTEM.






1 ELECTRICAL: ROOF POWER AND LIGHTNING PROTECTION PLAN  
SCALE: 1/8"=1'-0"

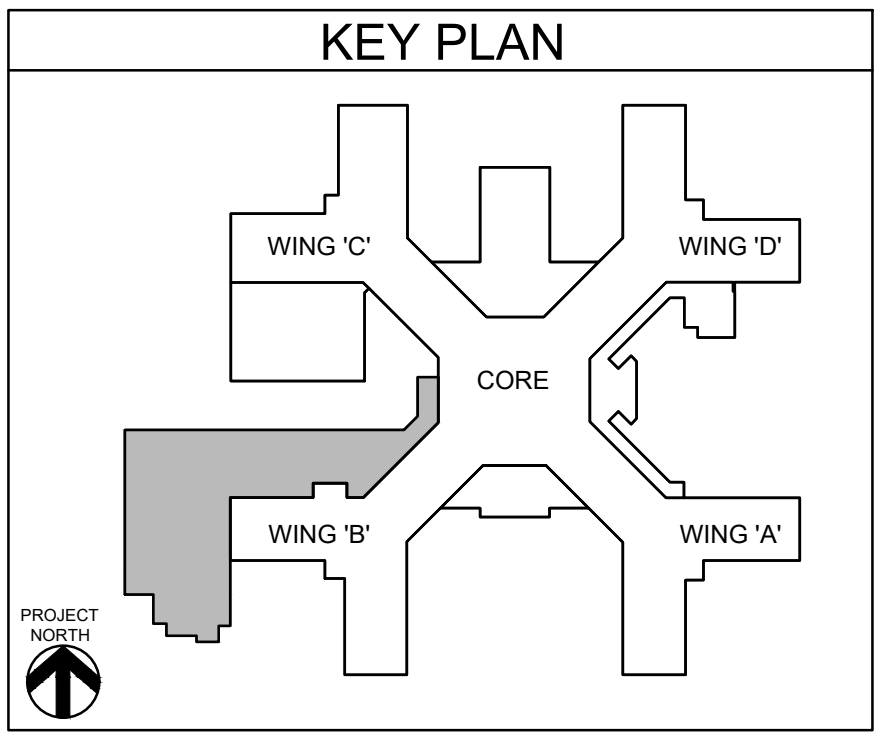
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**1 ELECTRICAL: BASEMENT LEVEL LIGHTING PLAN**  
SCALE: 1/8"=1'-0"

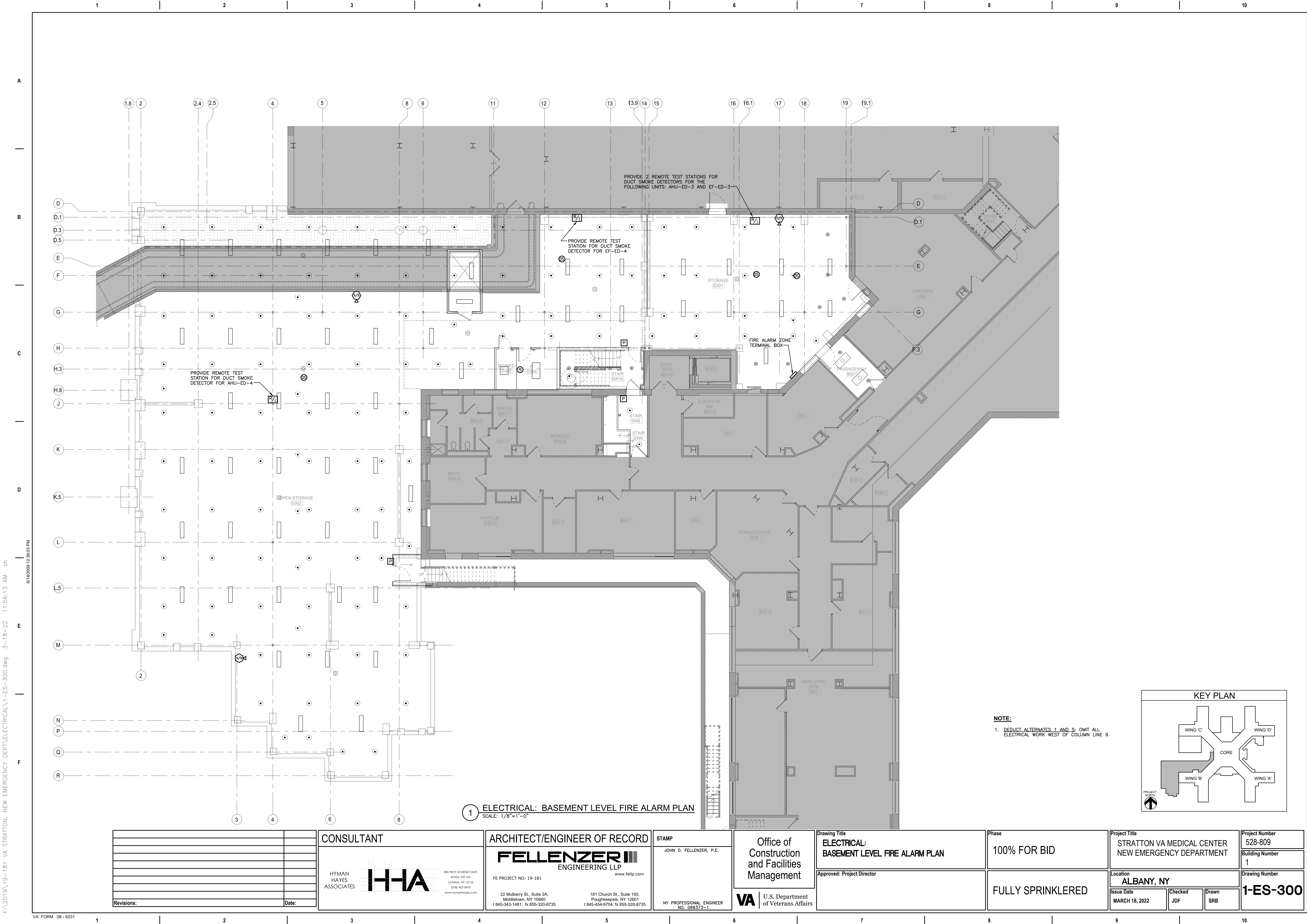
		<b>CONSULTANT</b>		<b>ARCHITECT/ENGINEER OF RECORD</b>		<b>STAMP</b>	Office of Construction and Facilities Management	Drawing Title <b>ELECTRICAL: BASEMENT LEVEL LIGHTING PLAN</b>	Phase <b>100% FOR BID</b>	Project Title <b>STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT</b>	Project Number <b>528-809</b>
		HYMAN HAYES ASSOCIATES		 800 TROY SCHNECTADY ROAD, STE 100 LAUREL, NY 12110 (518) 432-3470 www.hymanhayes.com		 FE PROJECT NO: 19-181					
		Revisions:		22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-454-1481; fx 855-320-8735		181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704; fx 855-320-8735		NY PROFESSIONAL ENGINEER NO. 095373-1	Issue Date <b>MARCH 18, 2022</b>	Checked <b>JDF</b>	Drawn <b>SRB</b>
		Date:						 U.S. Department of Veterans Affairs	<b>FULLY SPRINKLERED</b>		





1 ELECTRICAL  
SCALE: 1/8"=1'-0"

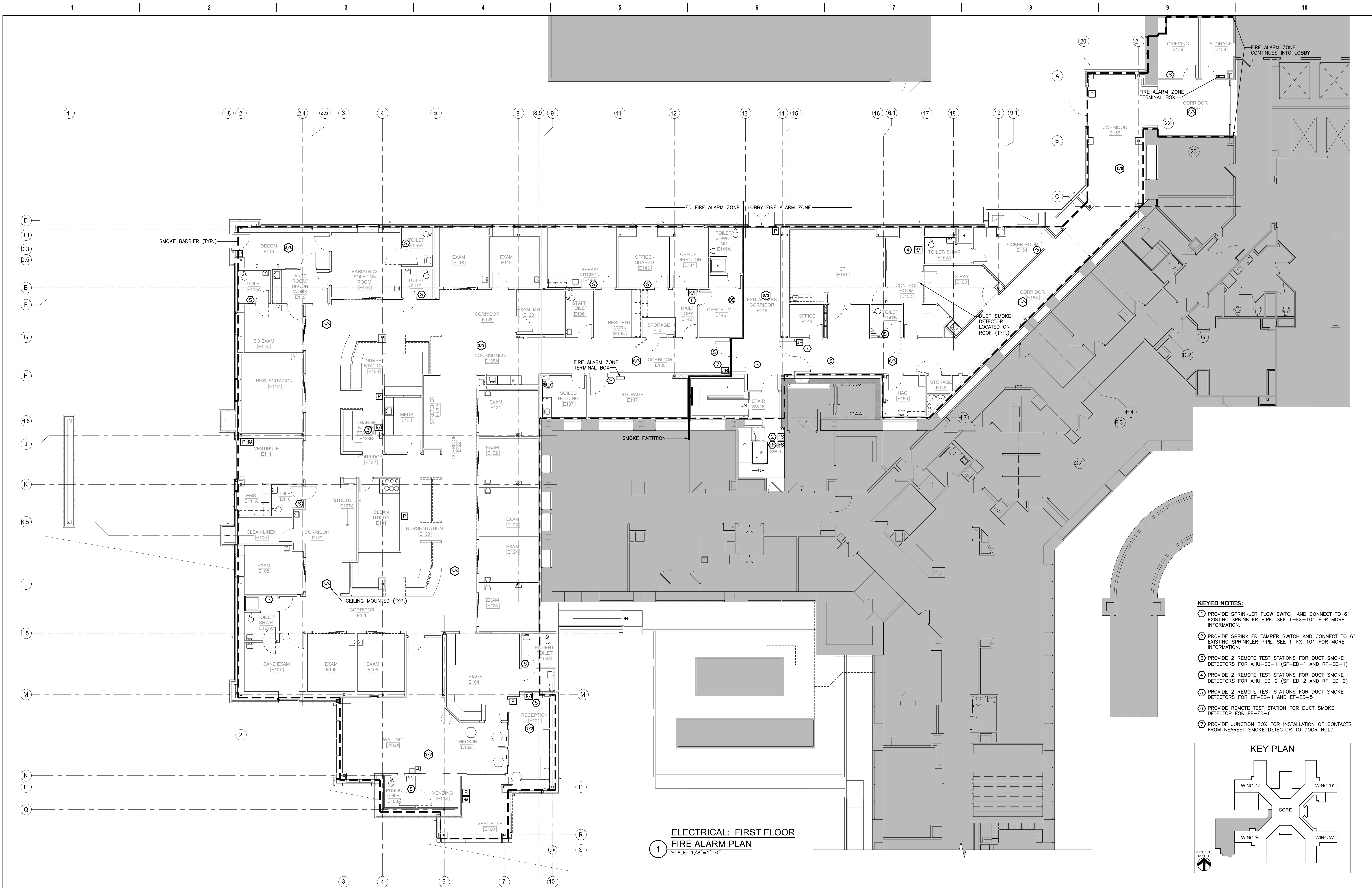
VA FORM 08-6231



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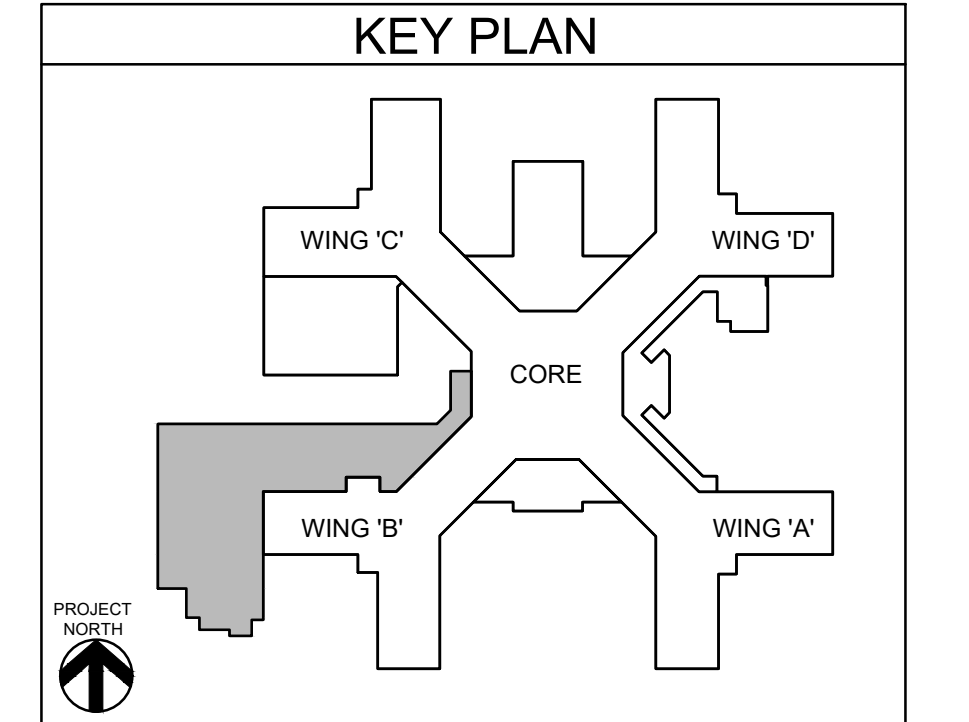
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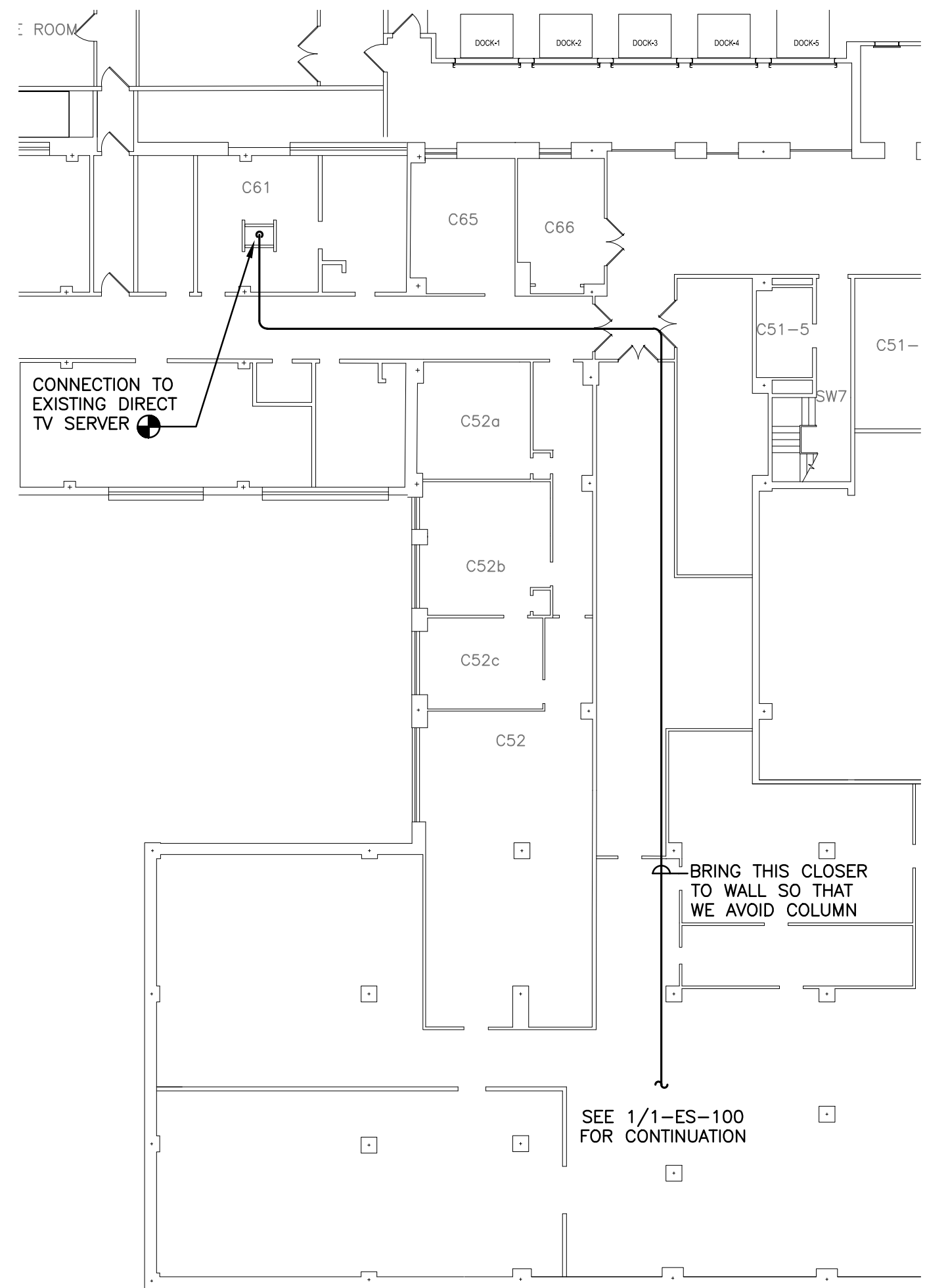
**ELECTRICAL: FIRST FLOOR  
FIRE ALARM PLAN**  
SCALE: 1/8"=1'-0"

- KEYED NOTES:**
- 1 PROVIDE SPRINKLER FLOW SWITCH AND CONNECT TO 6" EXISTING SPRINKLER PIPE. SEE 1-FX-101 FOR MORE INFORMATION.
  - 2 PROVIDE SPRINKLER TAMPER SWITCH AND CONNECT TO 6" EXISTING SPRINKLER PIPE. SEE 1-FX-101 FOR MORE INFORMATION.
  - 3 PROVIDE 2 REMOTE TEST STATIONS FOR DUCT SMOKE DETECTORS FOR AHU-ED-1 (SF-ED-1 AND RF-ED-1)
  - 4 PROVIDE 2 REMOTE TEST STATIONS FOR DUCT SMOKE DETECTORS FOR AHU-ED-2 (SF-ED-2 AND RF-ED-2)
  - 5 PROVIDE 2 REMOTE TEST STATIONS FOR DUCT SMOKE DETECTORS FOR EF-ED-1 AND EF-ED-5
  - 6 PROVIDE REMOTE TEST STATION FOR DUCT SMOKE DETECTOR FOR EF-ED-6
  - 7 PROVIDE JUNCTION BOX FOR INSTALLATION OF CONTACTS FROM NEAREST SMOKE DETECTOR TO DOOR HOLD.




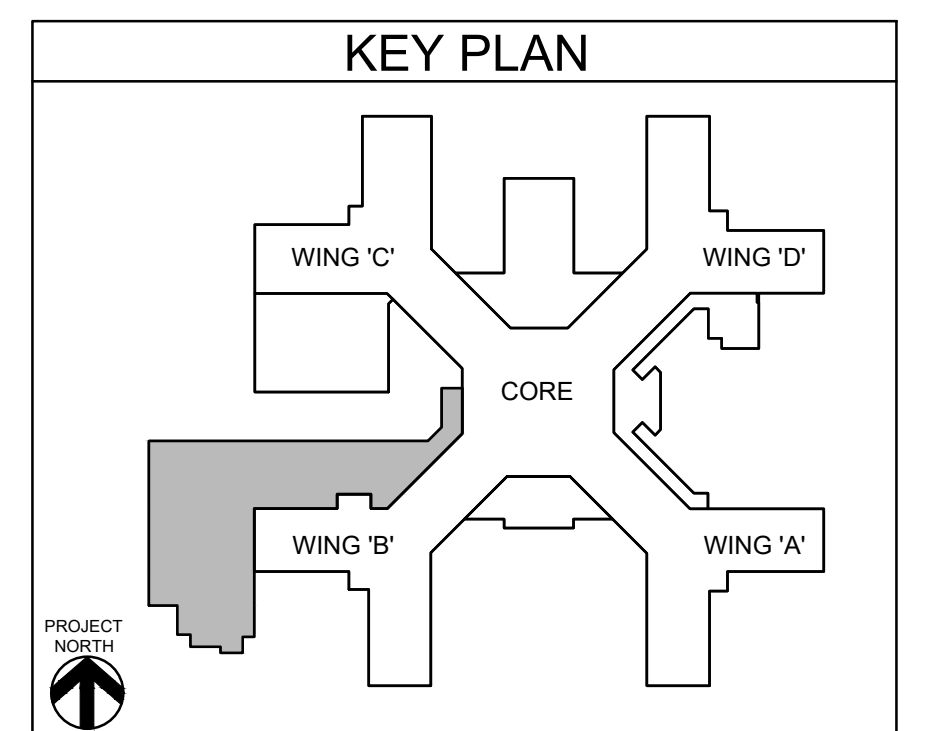
		<div>CONSULTANT</div> <div><div>HYMAN HAYES ASSOCIATES</div><div></div><div>800 TROY SCHENECTADY ROAD, STE 103 LATHAM, NY 12110 (518) 452-2470 www.hymanhayes.com</div></div>	<div>ARCHITECT/ENGINEER OF RECORD</div> <div><div>FELLENZER III</div><div>ENGINEERING LLP</div><div>www.felip.com</div></div> <div>FE PROJECT NO: 19-181</div> <div><div>22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481; f 855-320-8735</div><div>181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704; f 855-320-8735</div></div>	<div>STAMP</div> <div>JOHN D. FELLENZER, P.E.</div> <div><div>NY PROFESSIONAL ENGINEER NO. 069373-1</div></div>	<div>Office of Construction and Facilities Management</div> <div><div>VA</div><div>U.S. Department of Veterans Affairs</div></div>	<div>Drawing Title</div> <div>ELECTRICAL: FIRST FLOOR FIRE ALARM PLAN</div>	<div>Phase</div> <div>100% FOR BID</div>	<div>Project Title</div> <div>STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT</div>	<div>Project Number</div> <div>528-809</div>
						<div>Building Number</div> <div>1</div>	<div>Drawing Number</div> <div>1-ES-301</div>		
	</								





**NOTE:**

1. PROVIDE UP TO (10)  VA THROUGHOUT EMERGENCY DEPARTMENT. COORDINATE LOCATIONS IN FIELD WITH VA IT DEPARTMENT DURING CONSTRUCTION.

[illegible]

800 TROY-SCHENECTADY  
ROAD, STE 103  
LATHAM, NY 12110  
(518) 452-3470

181 Church St., Suite 100,  
Poughkeepsie, NY 12601  
t 845-454-9704; fx 855-320-8735

NY PROFESSIONAL ENGINEER  
NO. 069373-1

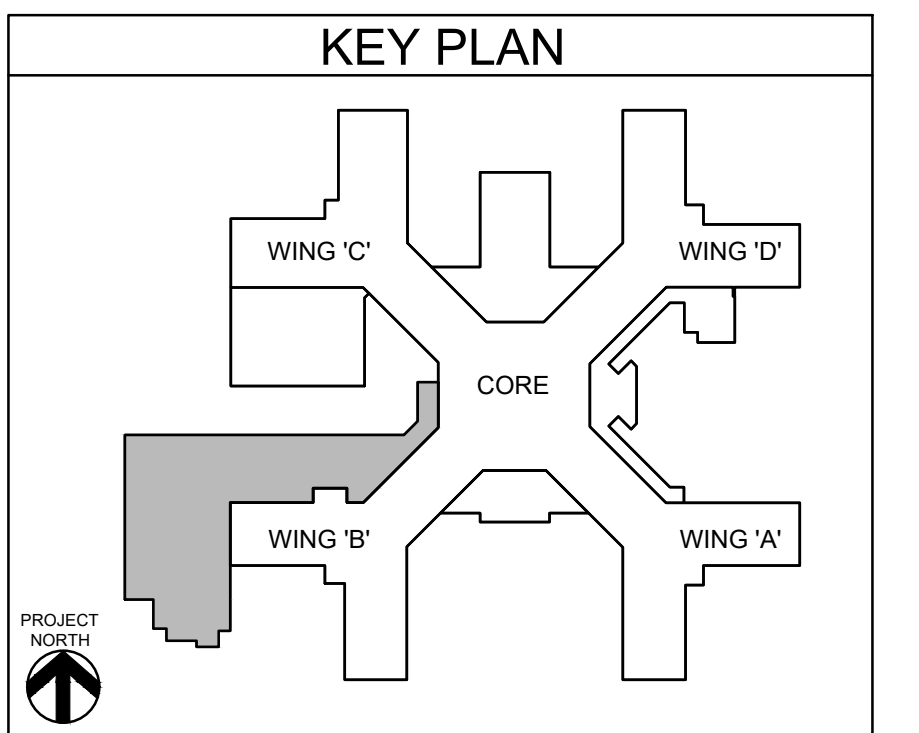
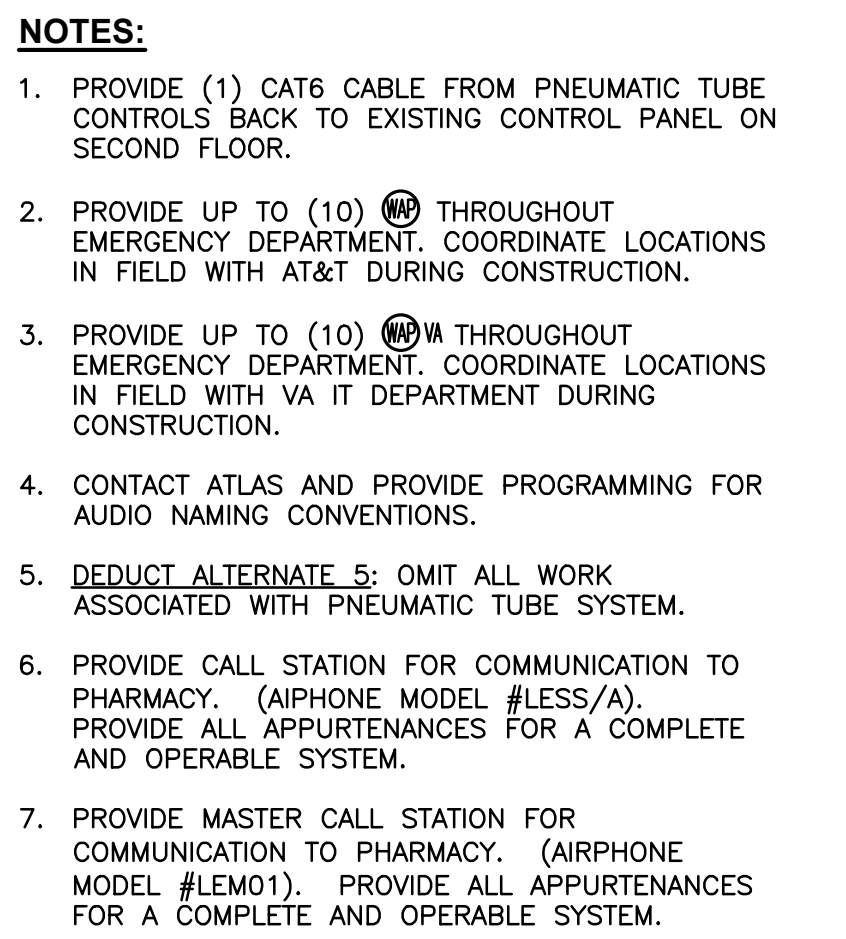
**VA** | U.S. Department  
of Veterans Affairs

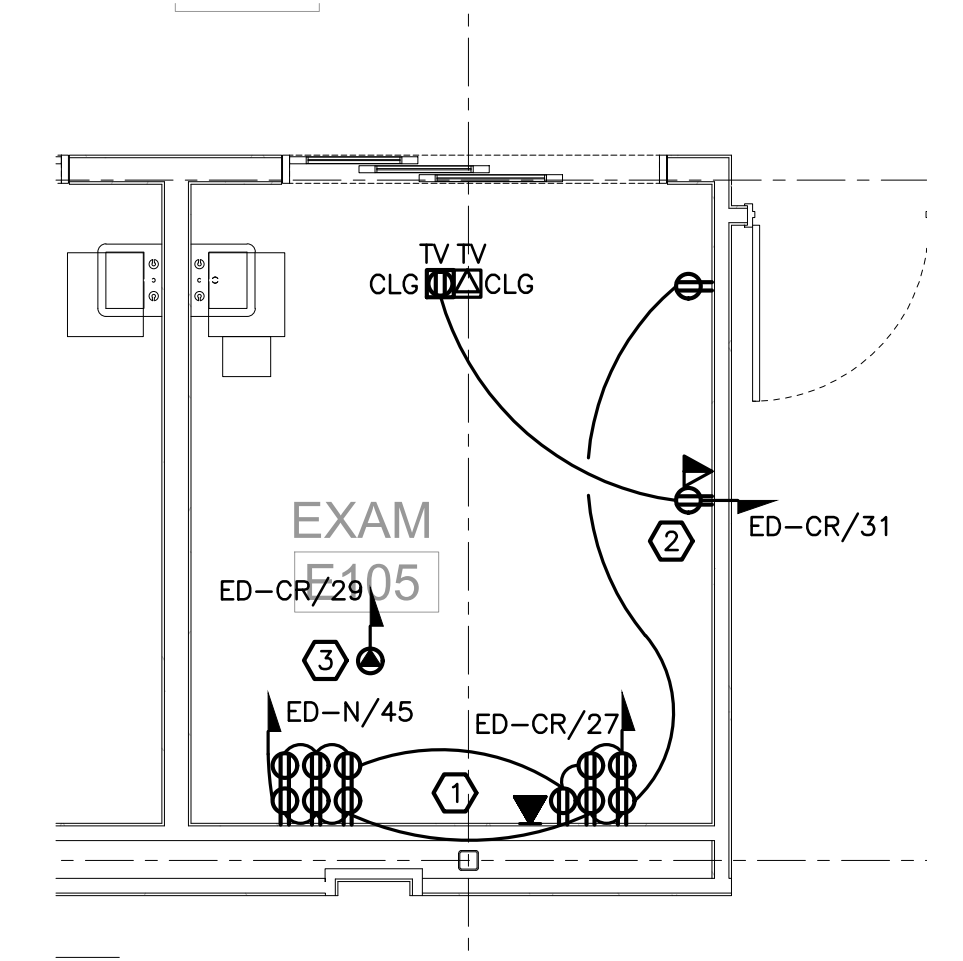
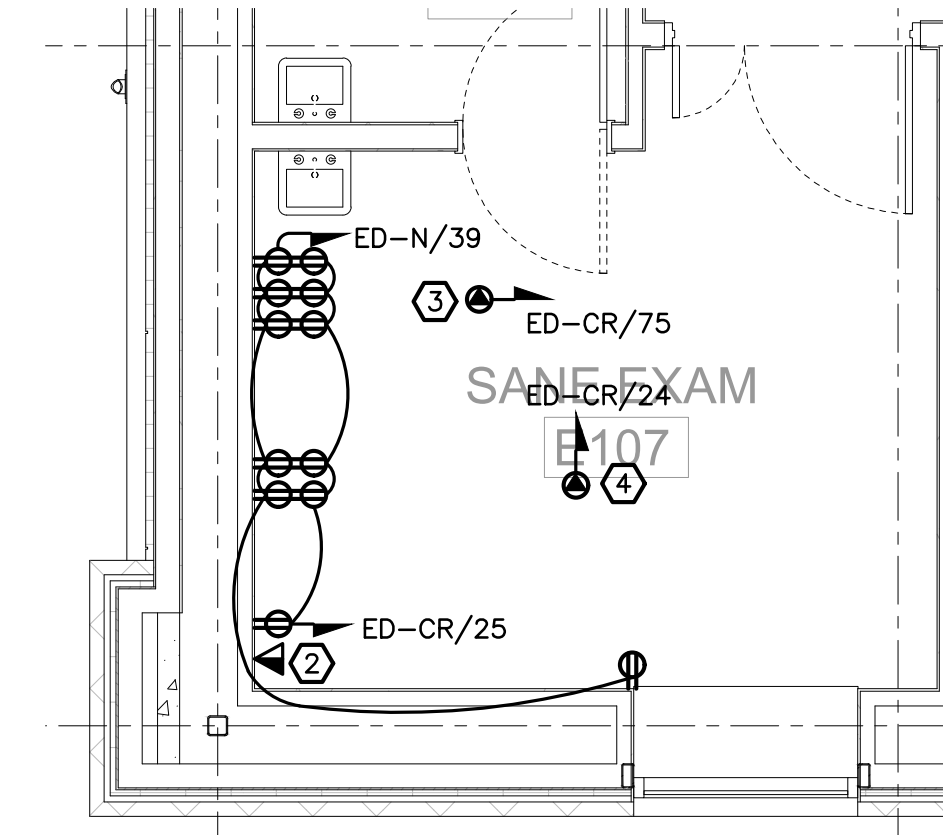
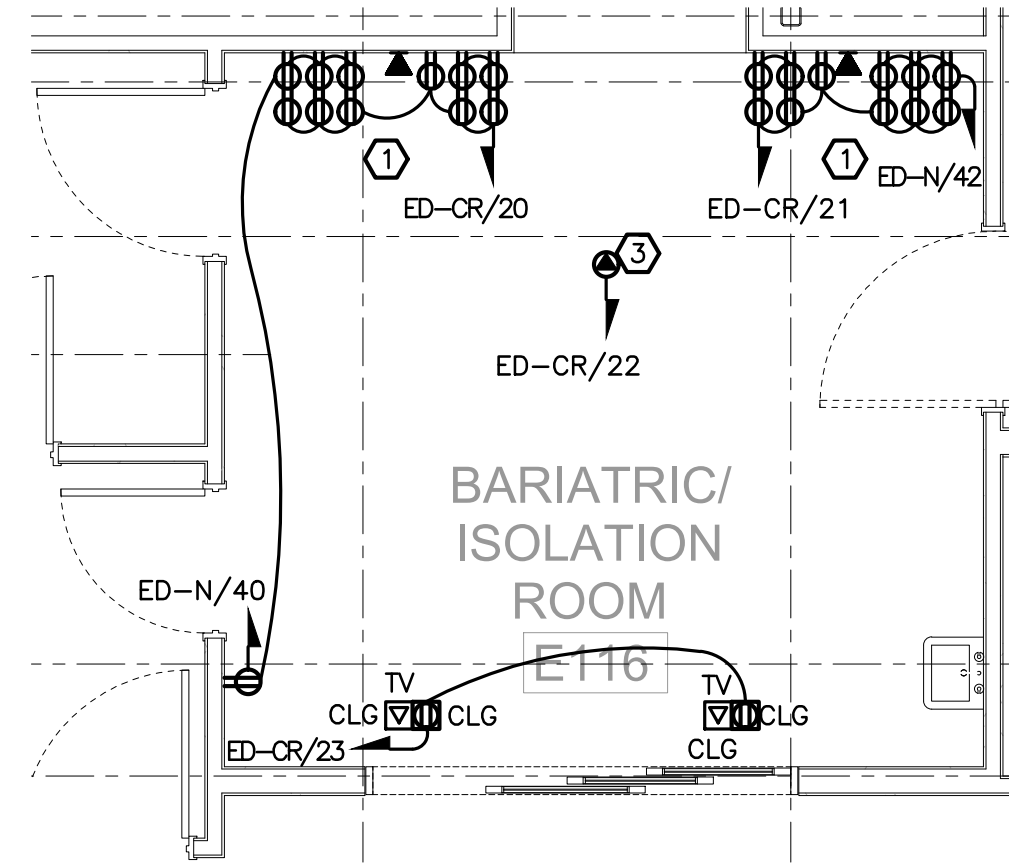
Approved: Project Director

FULLY SPRINKLERED

Drawn

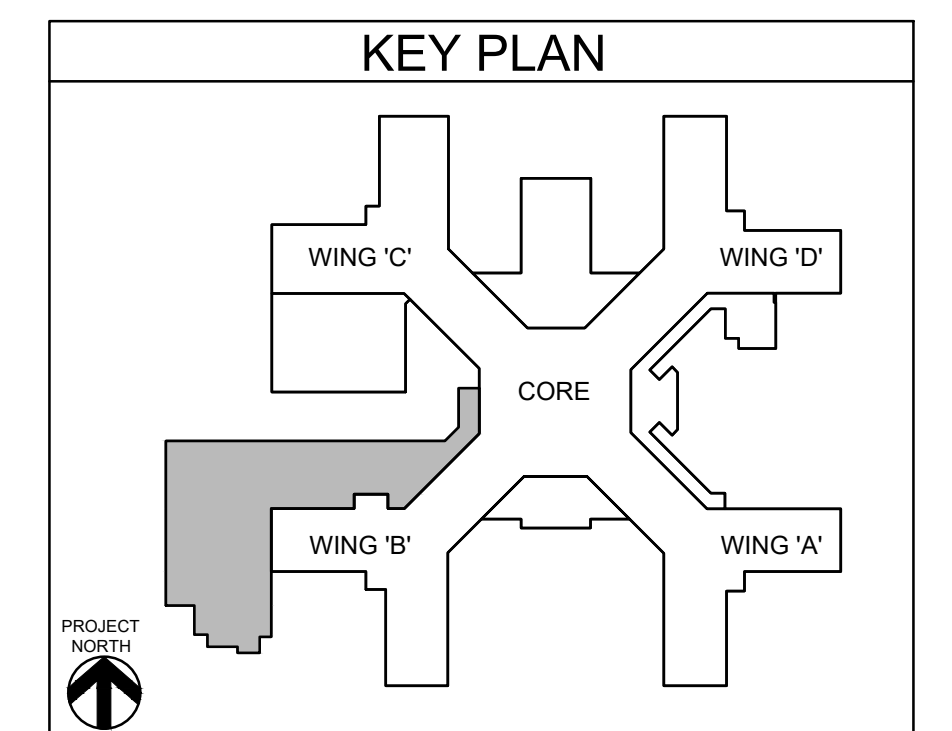
**-ES-302**

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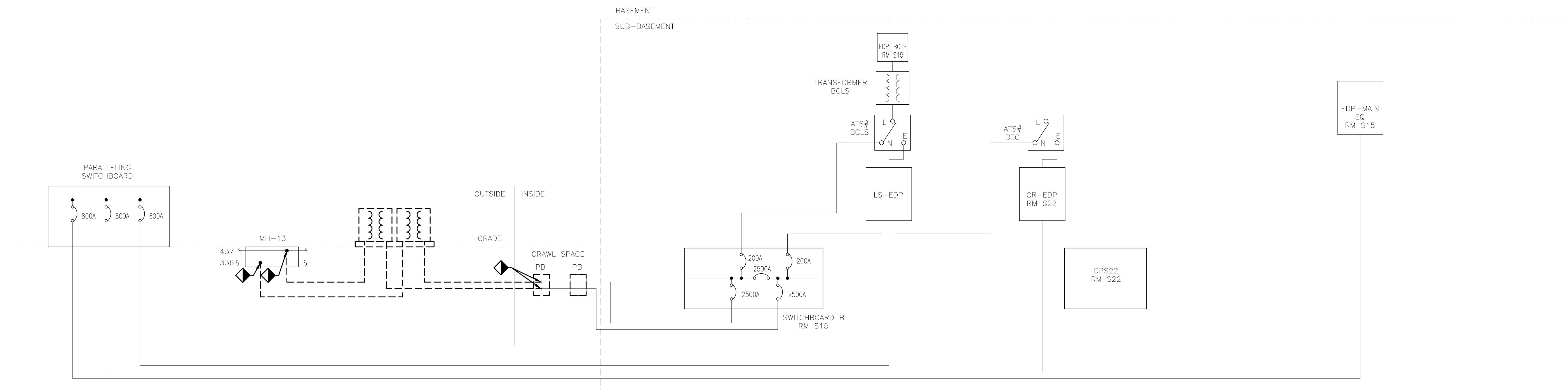
**4 ELECTRICAL: ENLARGED TYPICAL EXAM ROOM POWER PLAN**  
SCALE: 1/4"=1'-0"

- ### **KEYED NOTES:**
- ① COORDINATE MOUNTING HEIGHTS OF THE RECEPTACLES IN THE RESPECTIVE HEAD WALL UNITS WITH ARCHITECTURAL DETAILS ON 1-A5-605. PROVIDE ALL APPURTENANCES FOR A COMPLETE AND OPERABLE SYSTEM.
  - ② COORDINATE RECEPTACLE AND DATA MOUNTING LOCATIONS WITH ARM MOUNTED COMPUTER.
  - ③ CONNECTION TO PATIENT LIFT.
  - ④ CONNECTION TO EXAM LIGHT. PROVIDE AND CONNECT TO RED TOGGLE SWITCH IN HEADWALL.

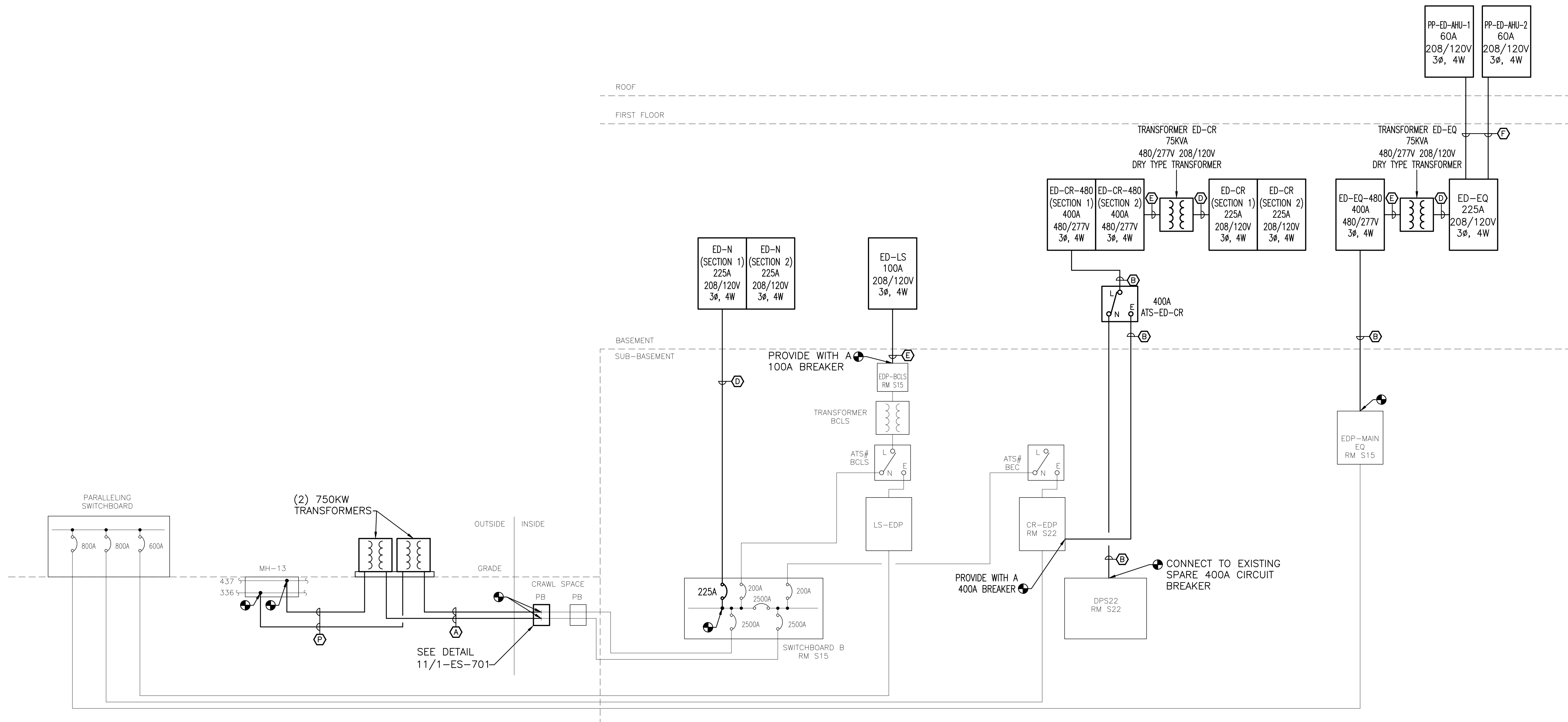
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1 DEMOLITION ONE-LINE DIAGRAM  
N.T.S.



2 CONSTRUCTION ONE-LINE DIAGRAM  
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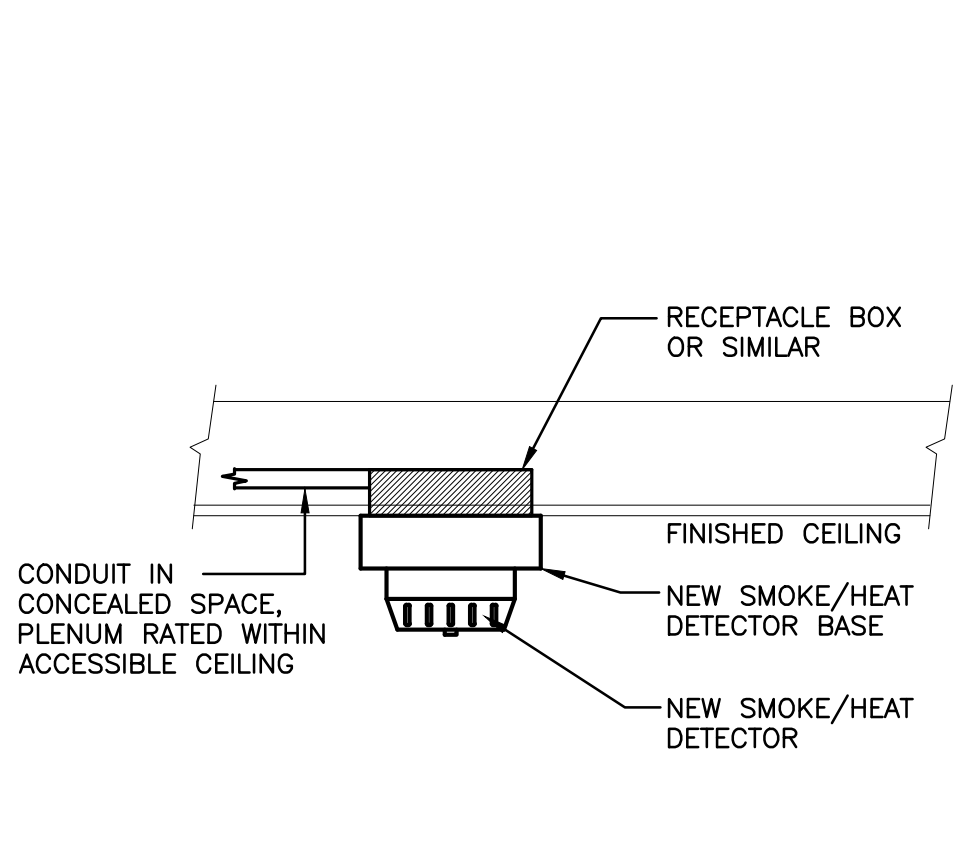




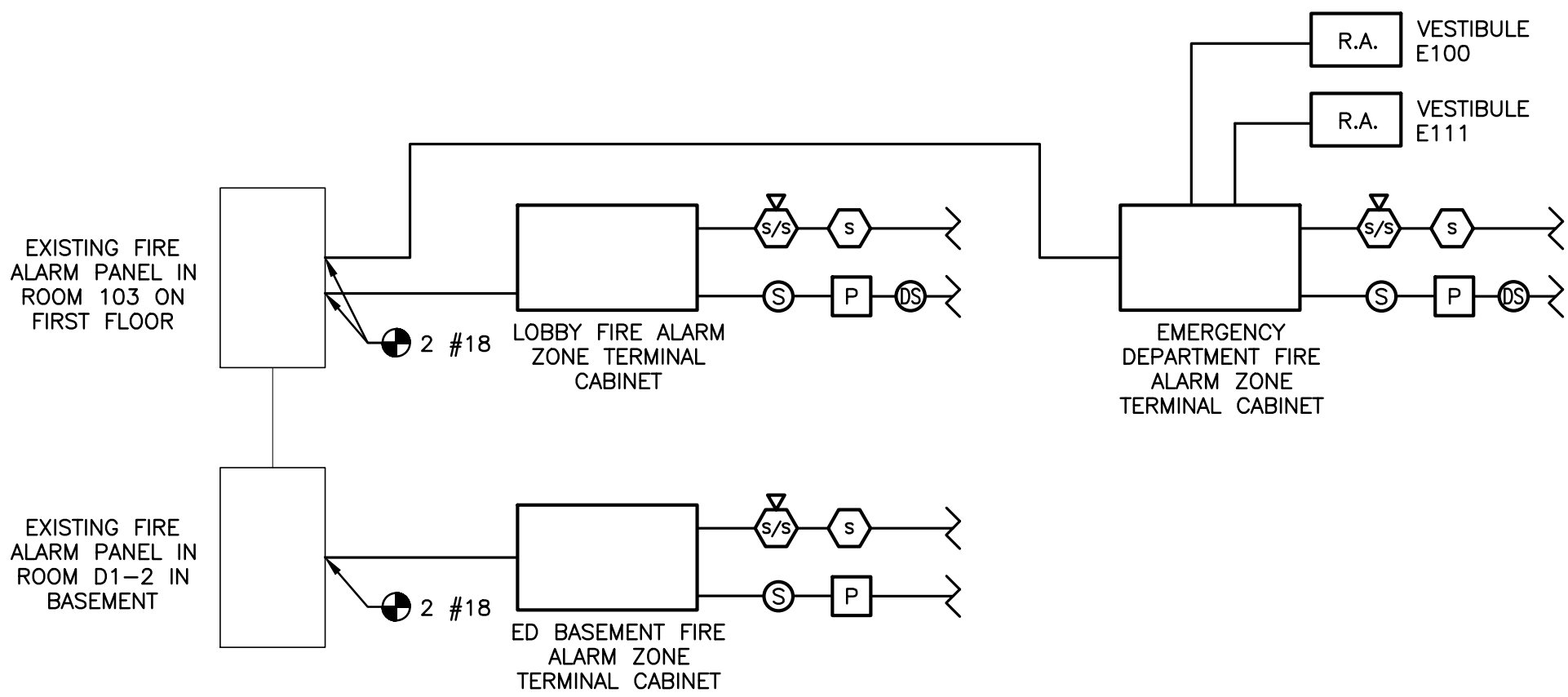
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**1 TYPICAL SMOKE / HEAT DETECTOR DETAIL**  
N.T.S.

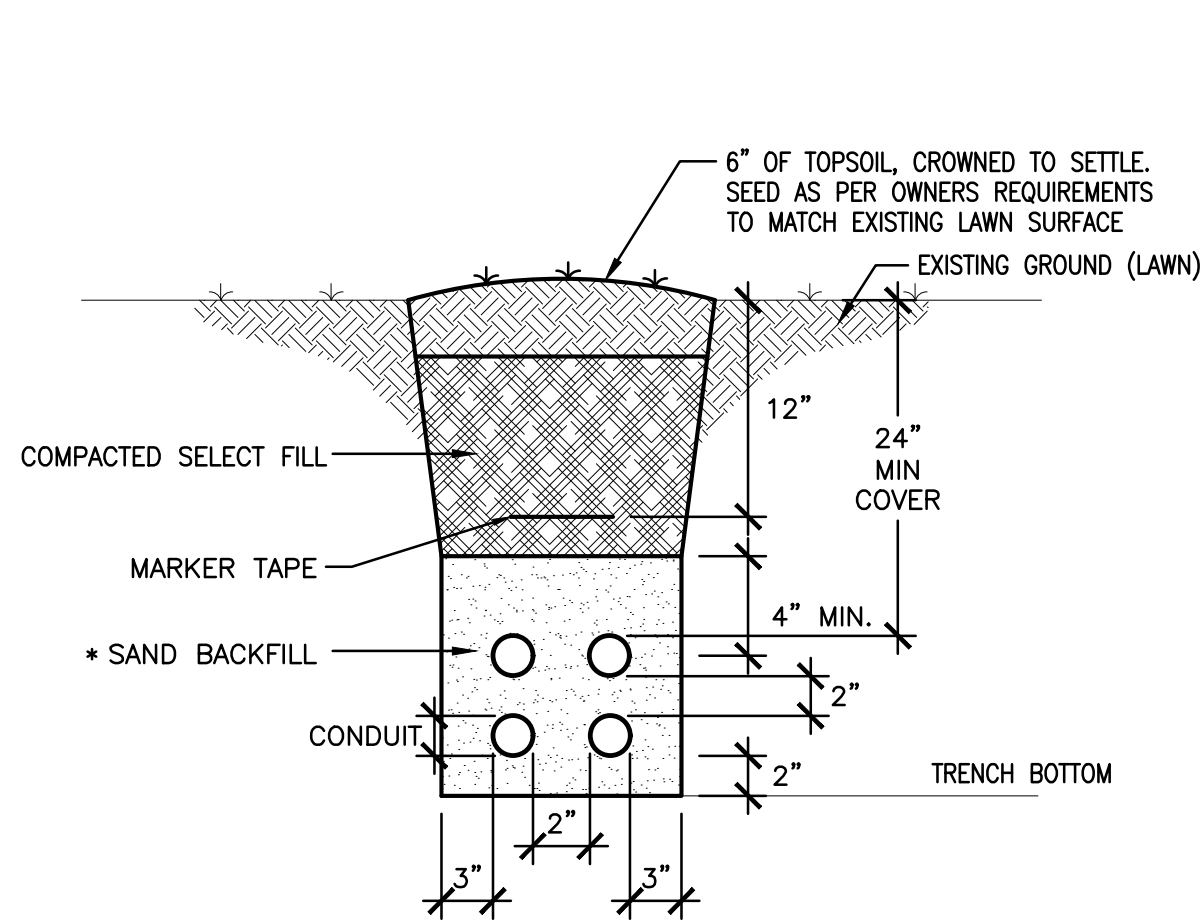


**2 FIRE ALARM RISER**  
N.T.S.

INPUT \ OUTPUT	1. SOUND GENERAL BUILDING ALARM FOR OTHER AND HIGH RISE BUILDINGS ONLY (ALARM SIGNAL MAY BE DIFFERENT ON DIFFERENT FLOORS).									
	1. SOUND GENERAL BUILDING ALARM FOR OTHER AND HIGH RISE BUILDINGS ONLY (ALARM SIGNAL MAY BE DIFFERENT ON DIFFERENT FLOORS).	2. NOTIFY NECESSARY STAFF FOR RESPONSE OR HEALTH CARE OCCUPANCIES THAT REQUIRE SMOKE BARRIERS PER NFPA 101 OR ARE DESIGNED WITH MULTIPLE SMOKE ZONES.	3. NOTIFY FIRE DEPARTMENT	4. NOTIFY SUPERVISORY STAFF TO A 24-HOUR MANAGED POINT FOR IMMEDIATE RESPONSE.	5. CLOSE ASSOCIATED SMOKE BARRIER DOORS ON THE FLOOR.	6. CLOSE DAMPERS ON FAN PROMINATE TO DETECTOR.	7. SHUT DOWN AIR HANDLER SERVED BY THE DETECTOR.	8. RECALL ELEVATOR.	9. OPEN **LOCKED EGRESS DOORS ON FLOOR OF FIRE ORIGIN.	
DUCT SMOKE DETECTOR*										
AREA SMOKE DETECTOR*	•	•	•							
DOOR RELEASE SMOKE DETECTOR*	•	•	•							
ELEVATOR SMOKE DETECTOR*	•	•	•					•		
MANUAL PULL STATION	•	•	•		•				•	

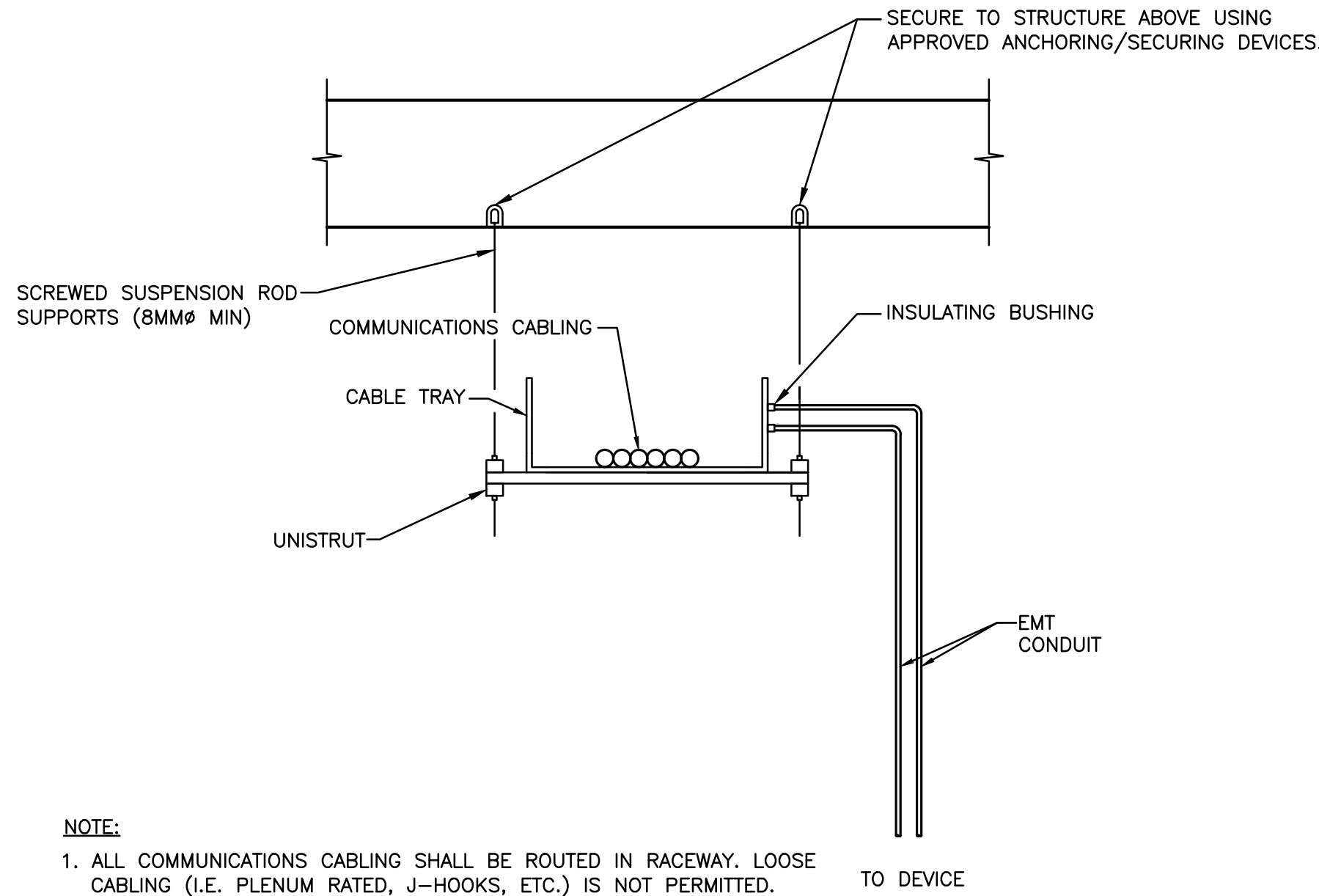
NOTES:  
1. SECTION REFERENCES REFER TO THE VA FIRE PROTECTION DESIGN MANUAL, 2015 EDITION.  
\* WHILE NFPA 101 DOES NOT REQUIRE SMOKE DETECTORS TO NOTIFY BUILDING OCCUPANTS, VA REQUIRES ALL SMOKE DETECTORS, OTHER THAN DUCT SMOKE DETECTORS, TO NOTIFY BUILDING OCCUPANTS. ONLY INSTALL SMOKE DETECTORS WHEN REQUIRED BY THE LIFE SAFETY CODE OF ITS REFERENCES.  
\*\* THOSE DOORS THAT ARE REQUIRED TO BE TIED TO THE FIRE ALARM SYSTEM SUCH AS DELAYED EGRESS AND ACCESS CONTROLLED DOORS.  
\*\*\* THIS APPLIES TO AMBULATORY HEALTH CARE OCCUPANCIES THAT REQUIRE SMOKE BARRIERS PER NFPA 101 OR ARE DESIGNED WITH MULTIPLE SMOKE ZONES.  
a DO NOT PROVIDE DUCT DETECTORS IN DEDICATED (100%) EXHAUST FANS, THEY SHOULD CONTINUE TO RUN.

**3 FIRE ALARM SEQUENCING MATRIX**  
N.T.S.



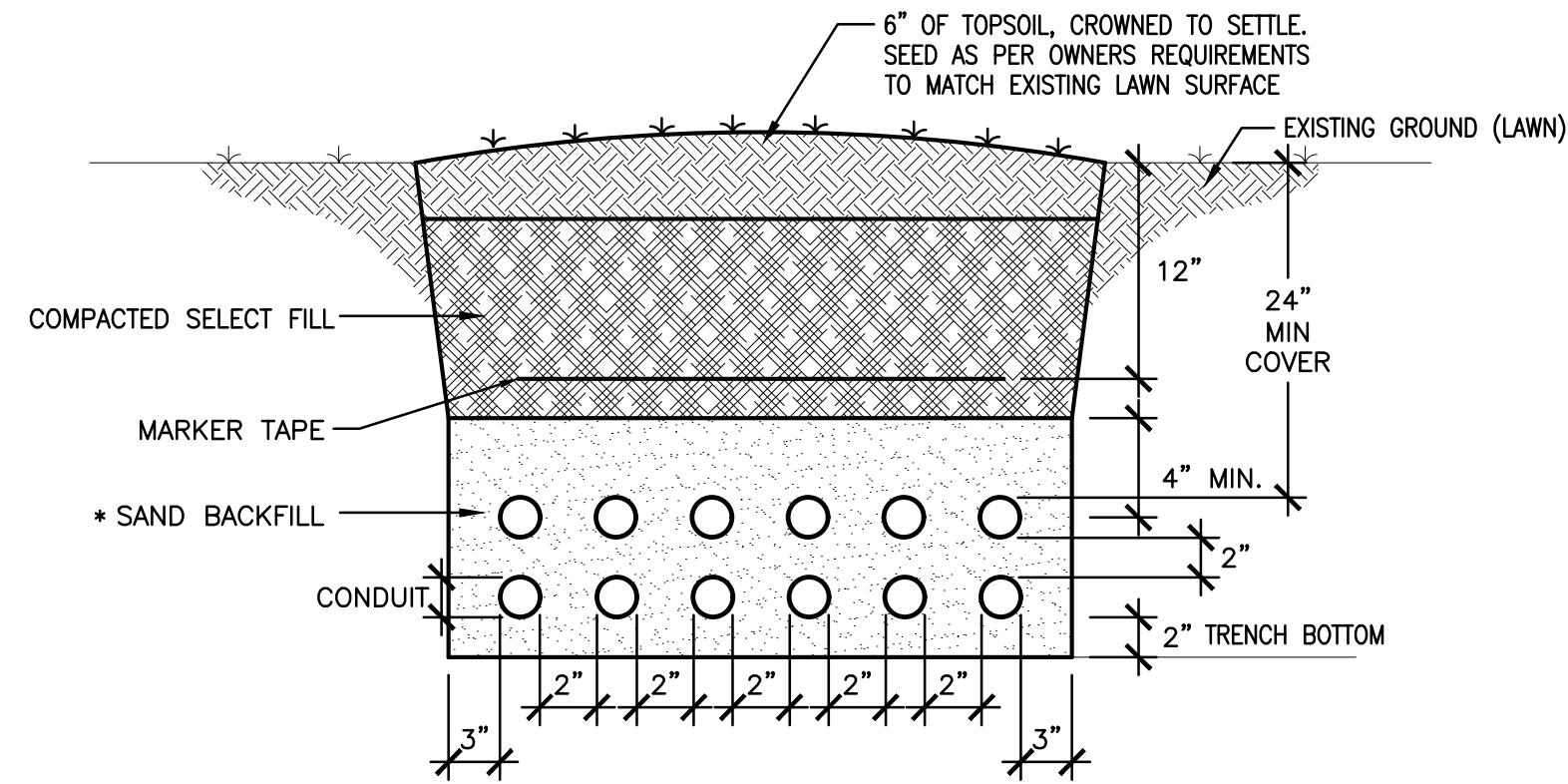
\* SAND BACKFILL - MAX. PEBBLE SIZE 1"  
\*\* SELECT BACKFILL - MAX. STONE SIZE 4"  
NOTES:  
1. MINIMUM CLEARANCE TO OTHER UTILITIES SUCH AS WATER & SEWER. CONSULT OTHER UTILITY FOR CLEARANCES OR LOCAL ORDINANCES.

**5 PRIMARY TRENCH & TRENCH RESTORATION FOR TRENCH OPENINGS IN GRASSED AREAS**  
N.T.S.



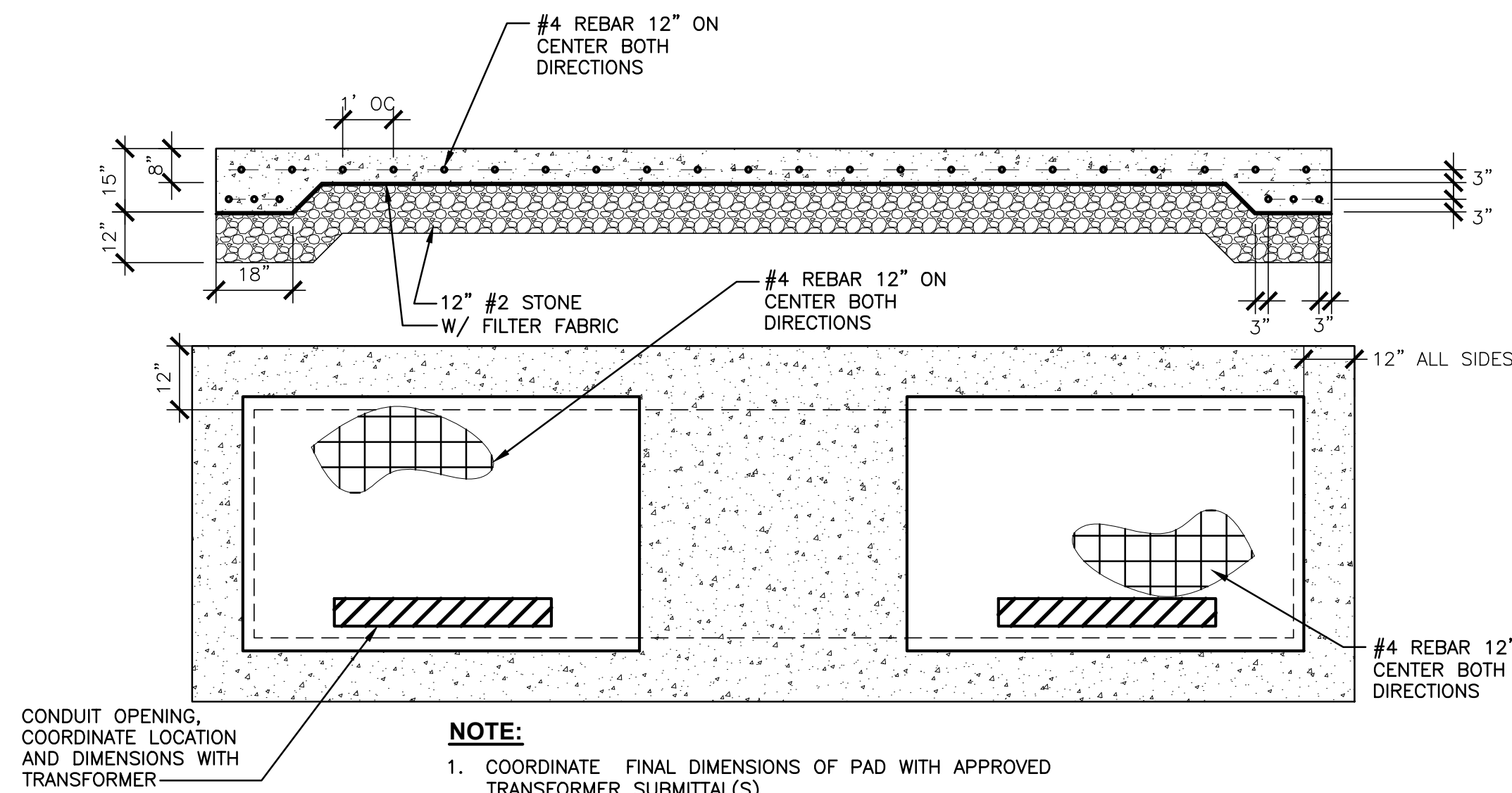
NOTE:  
1. ALL COMMUNICATIONS CABLING SHALL BE ROUTED IN RACEWAY. LOOSE CABLING (I.E. PLENUM RATED, J-HOOKS, ETC.) IS NOT PERMITTED. TO DEVICE

**6 COMMUNICATIONS RACEWAY DETAIL**  
N.T.S.



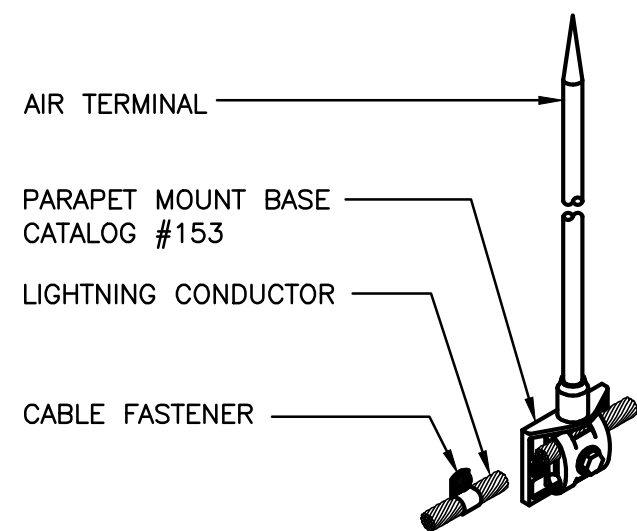
\* SAND BACKFILL - MAX. PEBBLE SIZE 1"  
\*\* SELECT BACKFILL - MAX. STONE SIZE 4"  
NOTES:  
1. MINIMUM CLEARANCE TO OTHER UTILITIES SUCH AS WATER & SEWER. CONSULT OTHER UTILITY FOR CLEARANCES OR LOCAL ORDINANCES.

**7 SECONDARY TRENCH & TRENCH RESTORATION FOR TRENCH OPENINGS IN GRASSED AREAS**  
N.T.S.

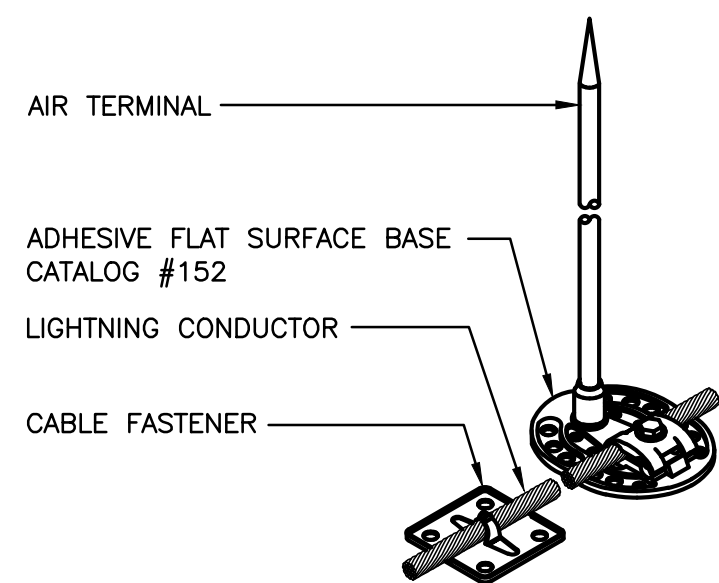


NOTE:  
1. COORDINATE FINAL DIMENSIONS OF PAD WITH APPROVED TRANSFORMER SUBMITTAL(S).

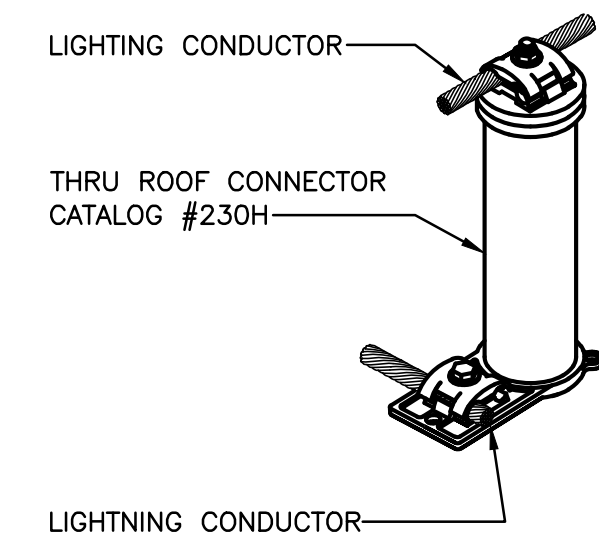
**9 CONCRETE PAD DETAIL**  
N.T.S.



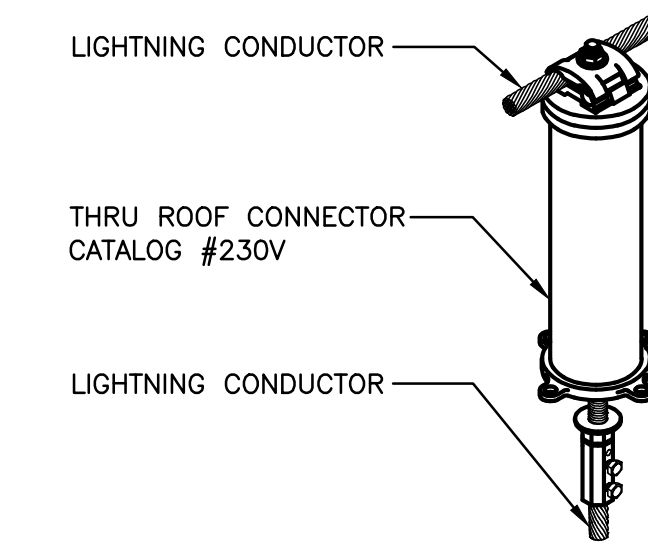
**10 PARAPET AIR TERMINAL DETAIL**  
N.T.S.  
(TYP. OF MANUFACTURER HARGER)



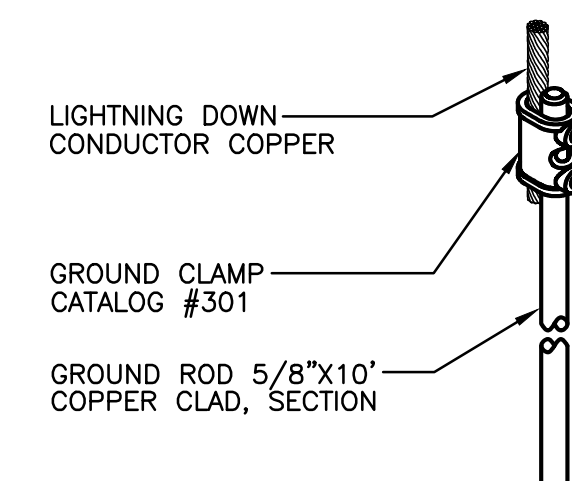
**11 ADHESIVE AIR TERMINAL DETAIL**  
N.T.S.  
(TYP. OF MANUFACTURER HARGER)



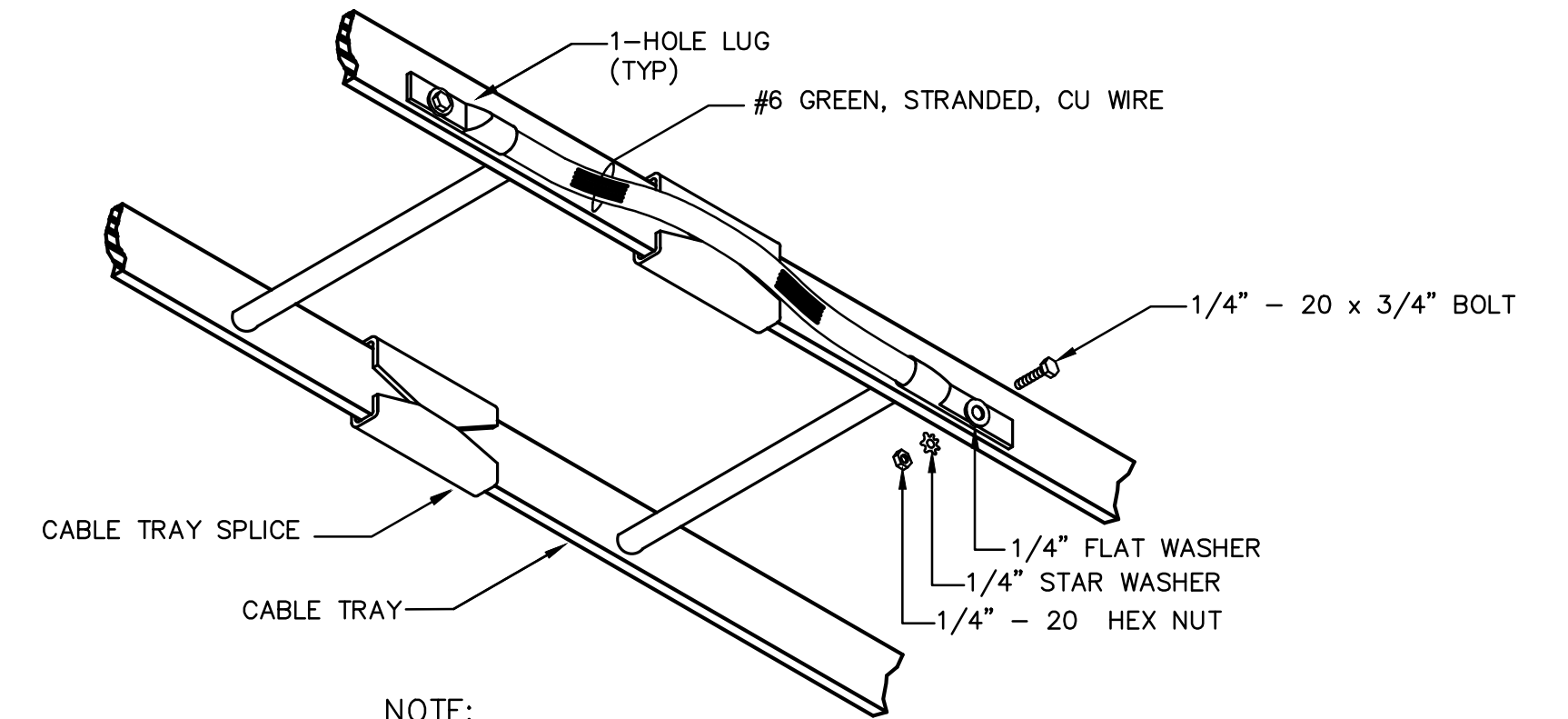
**12 THRU ROOF DETAIL**  
N.T.S.  
(TYP. OF MANUFACTURER HARGER)



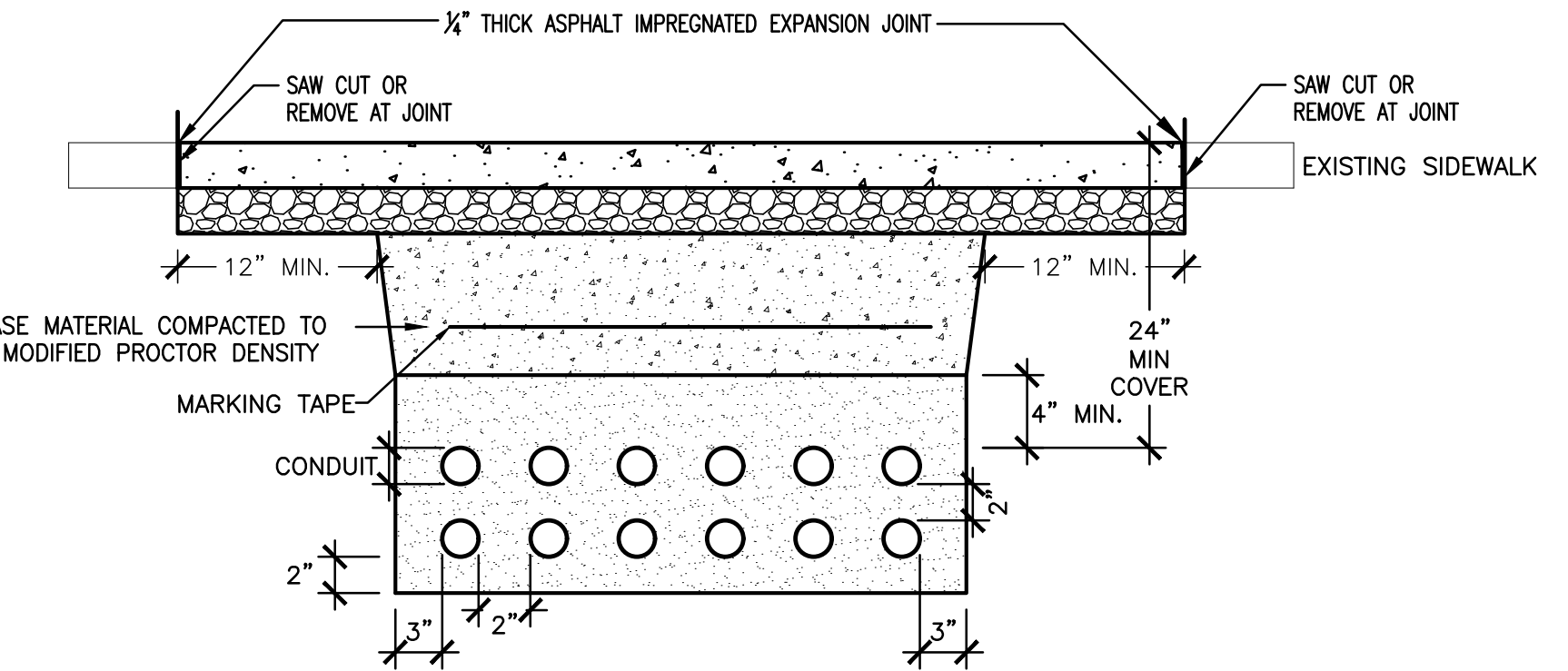
**13 THRU ROOF DETAIL**  
N.T.S.  
(TYP. OF MANUFACTURER HARGER)



**14 GROUND ROD DETAIL**  
N.T.S.  
(TYP. OF MANUFACTURER HARGER)

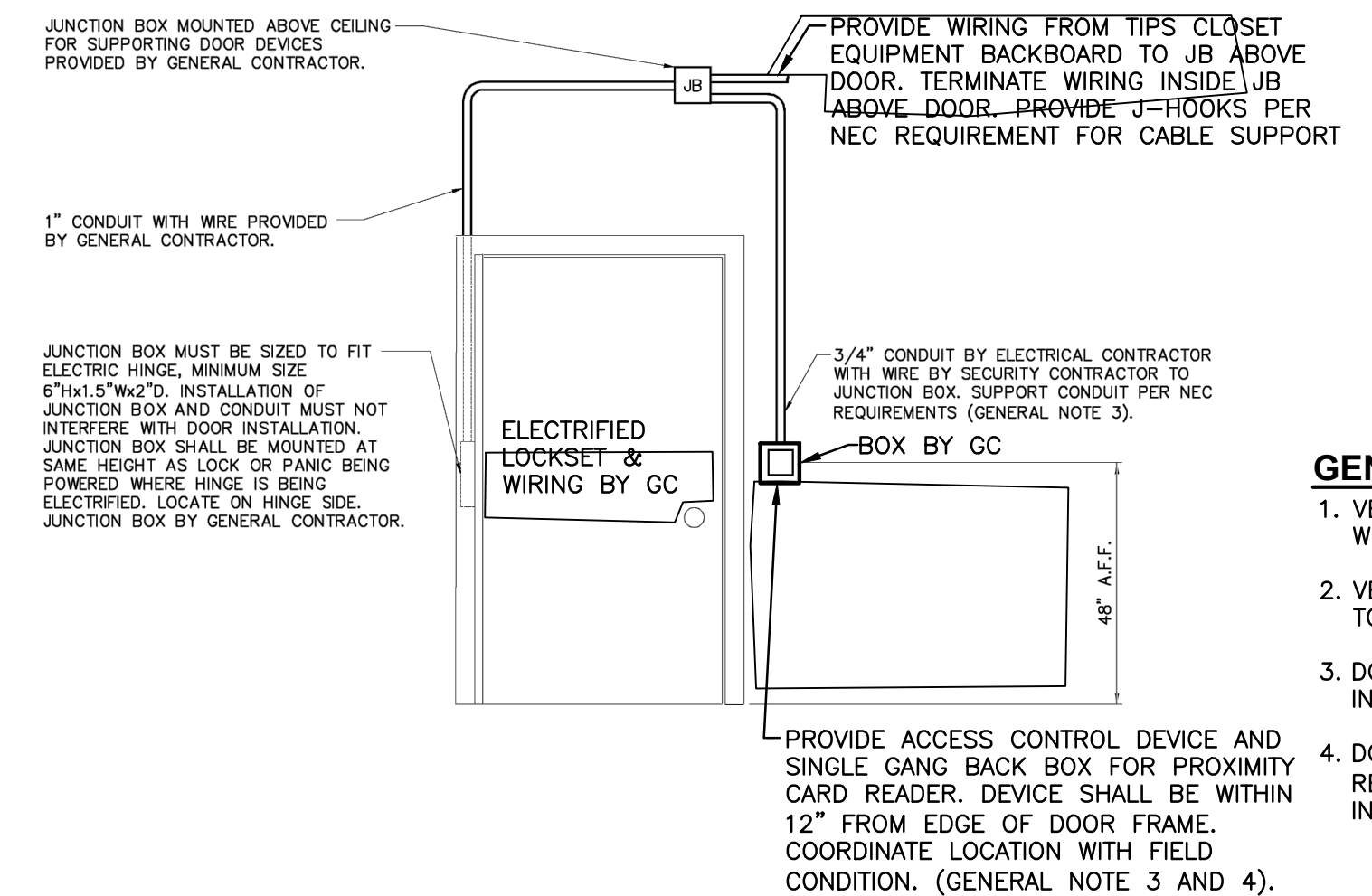


**4 CABLE TRAY BONDING**  
N.T.S.



CROSS SECTION

**8 SECONDARY TRENCH & TRENCH RESTORATION FOR TRENCH OPENINGS IN SIDEWALKS**  
N.T.S.



GENERAL NOTES:  
1. VERIFY DEVICES AT EACH DOOR LOCATION WITH FLOOR DIAGRAM.  
2. VERIFY SIDE OF DOOR THE DEVICES ARE TO BE LOCATED ON CONTRACT DRAWINGS.  
3. DOOR LOCKING POWER SUPPLY PROVIDED IN TIPS CLOSET.  
4. DOOR STATUS, LATCH STATUS, AND REQUEST TO EXIT(REX) SHALL BE BUILT INTO ELECTROMECHANICAL LOCKSET.

NOTE:  
1. PROVIDE CARD READERS AND ASSOCIATED WIRING TO JB AND EXTEND CARD ACCESS WIRING WITH INTERFACE CABLING FROM GC PROVIDED LOCKSET WIRING TO ACCESS CONTROLLERS AND LOCKING POWER SUPPLIES.





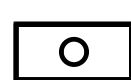




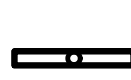


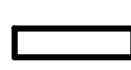



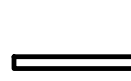








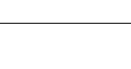

**15 TYPICAL SINGLE DOOR - CARD READER WITH REQUEST TO EXIT, DOOR STATUS AND LATCH STATUS**  
N.T.S.






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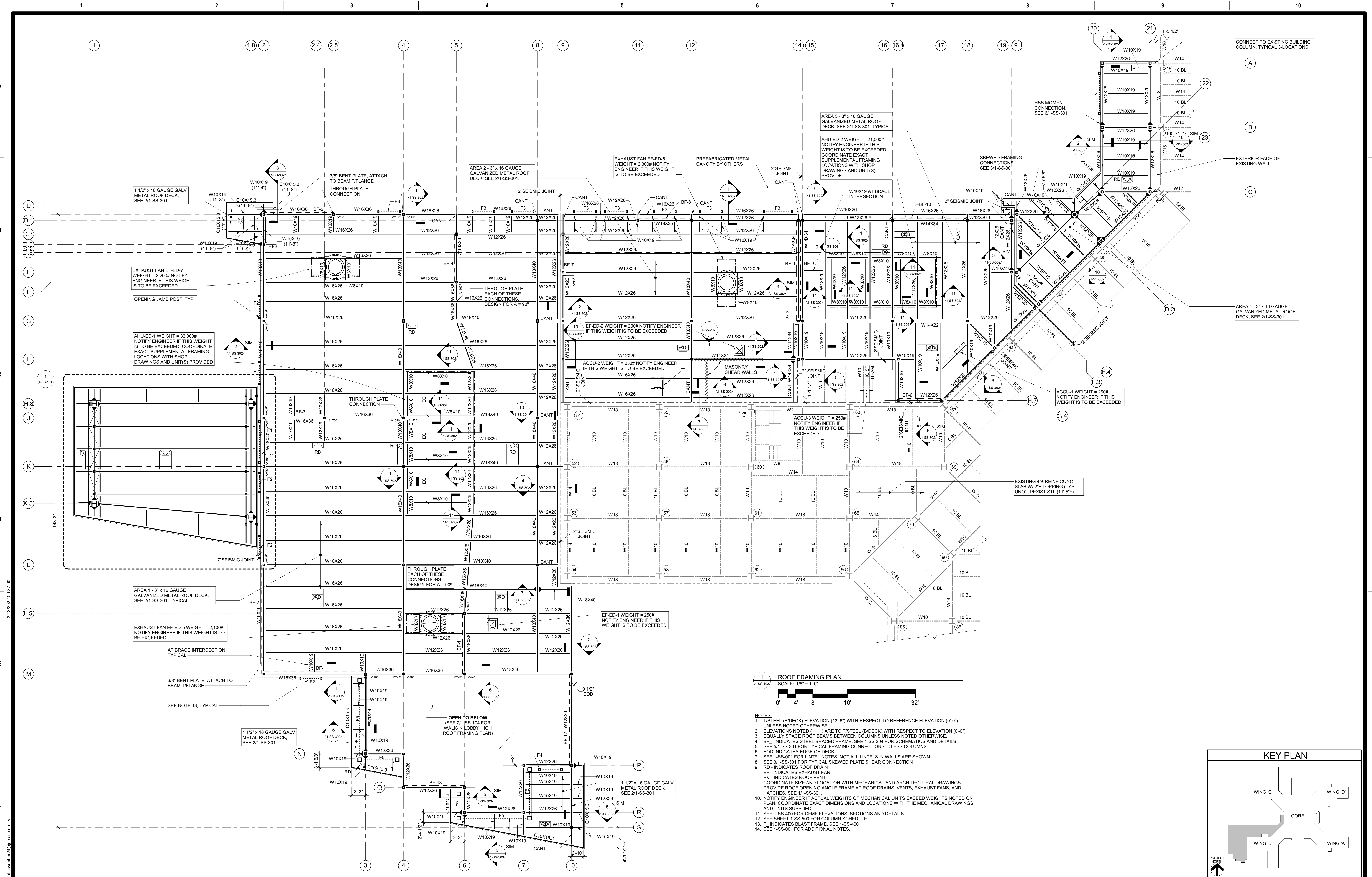
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LEGEND AND SCHEDULE OF LIGHTING EQUIPMENT				
SYMBOL	MANUFACTURER	MODEL #	DESCRIPTION	LAMP
 A	SATCO	65-572	2'x4' RECESSED LED TROFFER. 5250-5500 LUMENS, 80+CRI, 3500 CCT, 120/277V WITH 0-10V DIMMING DRIVER.	LED 50 WATTS 110 LUMENS/WATT
 A-EM	SATCO	65-576	SAME AS ABOVE BUT WITH INTEGRAL EMERGENCY BATTERY PACK.	LED 50 WATTS 110 LUMENS/WATT
 B	SATCO	65-571	2'x2' RECESSED LED TROFFER. 4200-4400 LUMENS, 80+CRI, 3500 CCT, 120/277V WITH 0-10V DIMMING DRIVER.	LED 40 WATTS 115 LUMENS/WATT
 B-EM	SATCO	65-575	SAME AS ABOVE BUT WITH INTEGRAL EMERGENCY BATTERY PACK.	LED 40 WATTS 115 LUMENS/WATT
 C	HE WILLIAMS	PTS-24-L38/835-DIM-UNV	2'x4' SURFACE MOUNTED SHALLOW LED. 3800 LUMENS, 80+CRI, 3500 CCT, 120/277V WITH 0-10V DIMMING DRIVER.	LED 31.4 WATTS 119.7 LUMENS/WATT
 C-EM	HE WILLIAMS	PTS-24-L38/835-DIM-UNV-EM/10W	SAME AS ABOVE BUT WITH INTEGRAL 10W EMERGENCY BATTERY PACK.	LED 31.4 WATTS 119.7 LUMENS/WATT
 D	HE WILLIAMS	PTS-22-L26/835-DIM-UNV	2'x2' SURFACE MOUNTED SHALLOW LED. 2600 LUMENS, 80+CRI, 3500 CCT, 120/277V WITH 0-10V DIMMING DRIVER.	LED 32.6 WATTS 116.7 LUMENS/WATT
 D-EM	HE WILLIAMS	PTS-22-L26/835-DIM-UNV-EM/10W	SAME AS ABOVE BUT WITH INTEGRAL 10W EMERGENCY BATTERY PACK.	LED 32.6 WATTS 116.7 LUMENS/WATT
 E	HE WILLIAMS	SLF-4-L26/835-DIM-UNV-EM/10W	4' SURFACE MOUNTED LED FIXTURE. 4500 LUMENS, 80+CRI, 3500 CCT, 120/277V, 0-10V DIMMING DRIVER WITH INTEGRAL 10W EMERGENCY BATTERY PACK.	LED 21.3 WATTS 122 LUMENS/WATT
 F	HE WILLIAMS	MD2G-4-L30/835-A-DIM-UNV	4' RECESSED EXAM BED FIXTURE. 3000 LUMENS, 80+CRI, 3500 CCT, 120/277V, 0-10V DIMMING DRIVER.	LED 43.0 WATTS 70 LUMENS/WATT
 G	HE WILLIAMS	4DR-TL-L10/835-DIM-UNV-RW-OF-WH	4.5" DOWNLIGHT, 1000 LUMENS, 80+CRI, 3500 CCT, 120/277V WITH 0-10V DIMMING DRIVER.	LED 15 WATTS 50.1 LUMENS/WATT
 G-EM	HE WILLIAMS	4DR-TL-L10/835-EM/10W-DIM-UNV-RW-OF-WH	SAME AS ABOVE BUT WITH INTEGRAL 10W EMERGENCY BATTERY PACK.	LED 15 WATTS 50.1 LUMENS/WATT
 H	HE WILLIAMS	80-4-L53/835-DIM-UNV	1'x4' STANDARD INDUSTRIAL LED FIXTURE, 5300 LUMENS, 80+CRI, 3500 CCT, 120/277V/ AND 0-10V DIMMING DRIVER.	LED 34.2 WATTS 156 LUMENS/WATT
 H-EM	HE WILLIAMS	80-4-L53/835-DIM-UNV-EM/10W	SAME AS ABOVE BUT WITH INTEGRAL 10W EMERGENCY BATTERY PACK.	LED 34.2 WATTS 156 LUMENS/WATT
 I	DALUME	DC8-17-40K-0-DCG	8' RECESSED LINEAR LED, 650 LUMENS, 88+CRI, 4000K CCT, 120V WITH 0-10V DIMMING DRIVER	LED 136 WATTS
 I1	DALUME	DC4-17-40K-0-DCG	4' RECESSED LINEAR LED, 650 LUMENS, 88+CRI, 4000K CCT, 120V WITH 0-10V DIMMING DRIVER	LED 136 WATTS
 J	H.E. WILLIAMS	AX2WD-4-L16-B-35-UNV	4' WALL MOUNTED LED VANITY FIXTURE, 1600 LUMENS 3500K CCT, 80+ CRI, 120/277V.	LED N/A
 K	DALUME	DC4-17-40K-0-DCG	4'x2" RECESSED LINEAR LED. 650 LUMENS, 88+CRI, 4000K CCT, 120V WITH DIMMING 0-10V DIMMING DRIVER.	LED 68 WATTS
 L	LIGHTOLOGY	EDG222666	LINEAR RECESSED LED. 1040 LUMENS, 3500K CCT, 85+CRI, 120V.	LED 20 WATTS 52 LUMENS/WATT
 M	BEGHELLI	BS100LED-4-HT-WT35-120-277-SM	1'x4' SURFACE MOUNT VAPOR TIGHT IP66 LED, 3500 CCT, 120-277V.	LED 40 WATTS
 N	H.E. WILLIAMS	17-4-L55/835-AF-DIM-UNV	1'x2' SURFACE MOUNT 2700 LUMENS, 3500 CCT, 80+CRI, 120-277V WITH 0-10V DIMMING DRIVER.	LED 21.3 WATTS 137 LUMENS/WATT
 N-EM	H.E. WILLIAMS	17-4-L55/835-AF-EM/10W-DIM-UNV	SAME AS ABOVE BUT WITH INTEGRAL 10W EMERGENCY BATTERY PACK.	LED 21.3 WATTS 137 LUMENS/WATT
 O	SHAPER	674-31-W-L3/827-UNV	INTERIOR WALL SCONCE. 2700 LUMENS. 3500 CCT. 83+CRI, 120V WITH 0-10V DIMMING DRIVER.	LED 33 WATTS 81 LUMENS/WATT
 P	REBELLE	ENC-12-19L-35-120-INT-DI	LED PENDANT. 2115 LUMENS. 3500K CCT, 80+CRI, 120V WITH 0-10V DIMMING DRIVER.	LED 19 WATTS 111 LUMENS/WATT
 Q	EUREKA	4231-60-LED-120-DV	LED PENDANT. 6030 LUMENS. 3500K CCT, 80+CRI, 120V WITH 0-10V DIMMING DRIVER.	LED 69 WATTS 88.4 LUMENS/WATT
 EX-EM	HE WILLIAMS	WPCL-L97/840-BZ-OCC-S23-DIM-UNV-EM/6W	EXTERIOR LED WALL PACK FIXTURE, 9700 LUMENS, 80+CRI, 4000 CCT, 120/277V WITH 0-10V DIMMING DRIVER. PROVIDE WITH INTEGRAL MOTION SENSOR WITH DIMMING AND INTEGRAL 6W EMERGENCY BATTERY PACK.	LED 93.0 WATTS 104.3 LUMENS/WATT
 X	ASTRALITE	TP-U-R-W-EM	SELF POWERED EDGE LED EXIT SIGN. 120/277V.	LED

LEGEND AND SCHEDULE OF LIGHTING CONTROL EQUIPMENT			
SYMBOL	MANUFACTURER	CATALOG #	DESCRIPTION
 1	WATTSTOPPER	LMSW-101	DLM PUSH BUTTON WALL SWITCH. COLOR BY ARCHITECT.
 2	WATTSTOPPER	DSW-301	PUSH BUTTON WALL SWITCH WITH INTEGRAL DUAL-TECHNOLOGY VACANCY SENSOR. COLOR BY ARCHITECT. '3' DENOTES WIRED FOR 3-WAY OPERATION.
 3	WATTSTOPPER	DSW-311-W	PUSH BUTTON WALL SWITCH WITH INTEGRAL DUAL-TECHNOLOGY VACANCY SENSOR WITH 0-10V DIMMING DRIVER. COLOR BY ARCHITECT.
 4	WATTSTOPPER	LMDC-100	DLM DUAL TECHNOLOGY CEILING SENSOR. SET TO MANUAL ON OPERATION.
 RC1	WATTSTOPPER	LMRC-101	DLM ON/OFF SINGLE RELAY ROOM CONTROLLER. MOUNT ABOVE FINISHED CEILING ABOVE LIGHT SWITCH. FOR ROOMS WITHOUT FINISHED CEILING, MOUNT INCONSPICUOUSLY AT/NEAR CEILING.

				CONSULTANT		ARCHITECT/ENGINEER OF RECORD		STAMP		Office of Construction and Facilities Management		Drawing Title		Phase		Project Title		Project Number	
				HYMAN HAYES ASSOCIATES		FELLENER III ENGINEERING LLP		JOHN D. FELLENER, P.E.		VA		ELECTRICAL: SCHEDULES		100% FOR BID		STRATTON VA MEDICAL CENTER NEW EMERGENCY DEPARTMENT		528-809	
				800 TROY SCHENECTADY ROAD, STE 103 LATHAM, NY 12110 (518) 452-3470 www.hymanhayes.com		FE PROJECT NO: 19-181		NY PROFESSIONAL ENGINEER NO. 069373-1		U.S. Department of Veterans Affairs		Approved: Project Director		FULLY SPRINKLERED		ALBANY, NY		Building Number 1	
						22 Mulberry St., Suite 2A, Middletown, NY 10940 t 845-343-1481; fx 855-320-8735												Drawing Number 1-ES-802	
						181 Church St., Suite 100, Poughkeepsie, NY 12601 t 845-454-9704; fx 855-320-8735													





<b>CONSULTANT</b> A/E: HYMAN HAYES ASSOCIATES 800 Troy Schenckedy Road, Suite 103 Latham, NY 12110 (518) 452-3470 1-845-343-1481 fx 845-343-4986 www.tyrrhays.com		<b>ARCHITECT/ENGINEER OF RECORD</b> <b>FELLENZER</b> ENGINEERING LLP FE PROJECT #: 19-181 22 Mulberry St., Suite 2A, Madison, NY 12640 1-845-343-1481 fx 845-343-4986 181 Church St., Suite 100, Poughkeepsie, NY 12601 1-845-454-9704 fx 855-320-8735 UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF STATE EDUCATION LAW.		<b>Office of Construction and Facilities Management</b> <b>VA</b> U.S. Department of Veterans Affairs		Drawing Title ROOF FRAMING PLAN Approved:	Phase 100% FOR BID FULLY SPRINKLERED	Project Title BUILD NEW EMERGENCY DEPARTMENT Location HOLLAND AVENUE, ALBANY, NY Issue Date March 18, 2022	Project Number 528-809 Building Number Drawing Number 1-SS-103
Revisions:		Date:		20057		Checked JP		Drawn ZW	