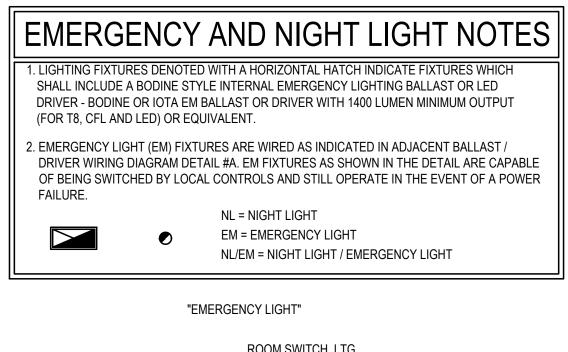
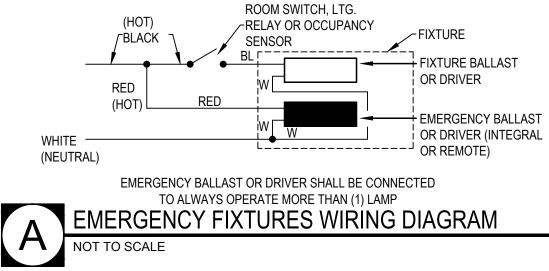
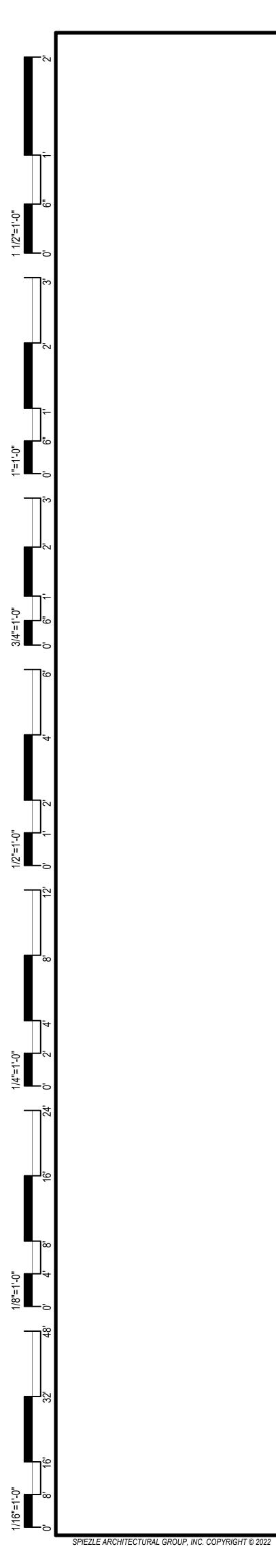
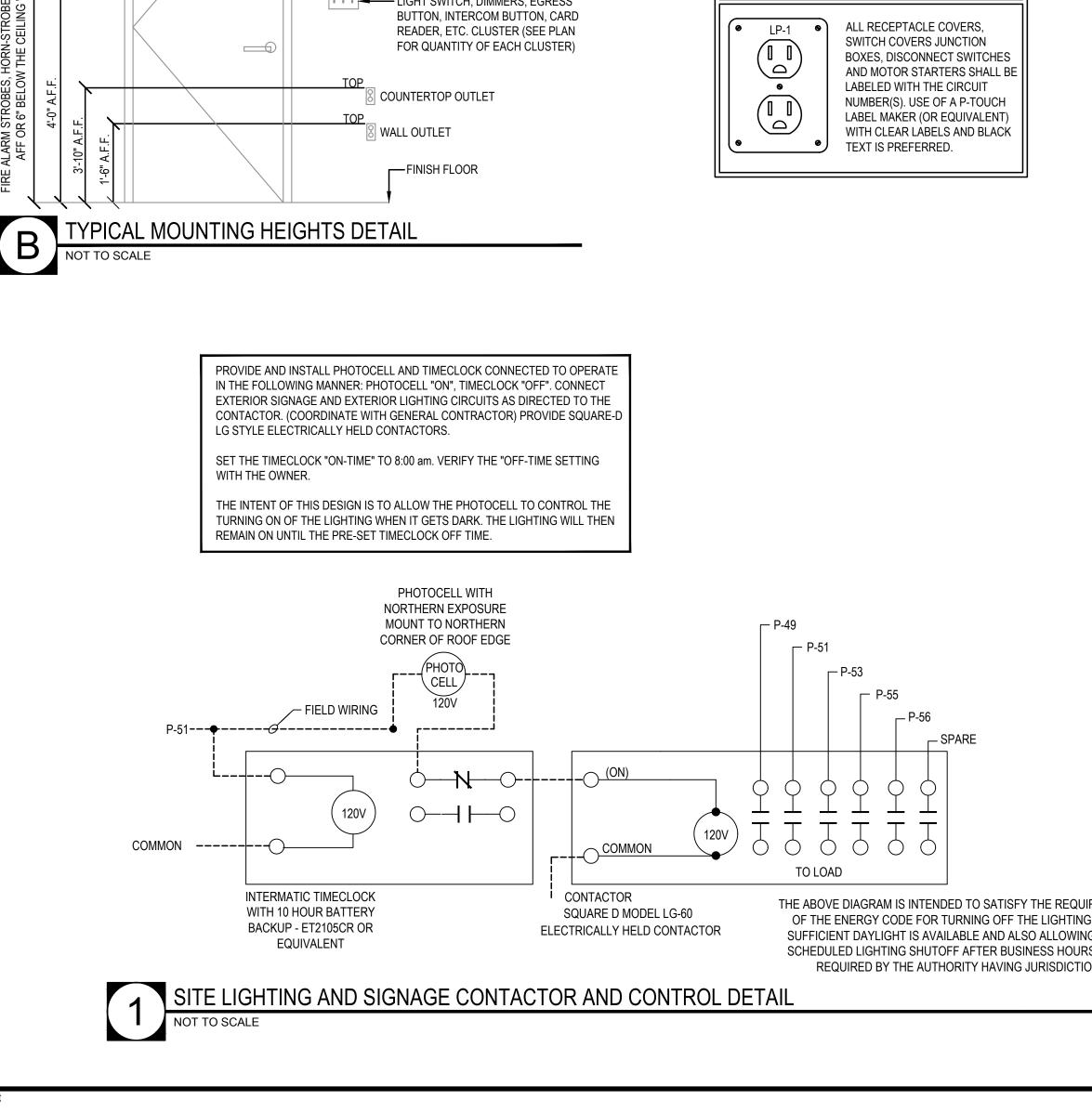
Г <u> </u>						
LEI	D LIGH	HTING FIXT	URE SCHEDULE			
TYPE	SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP/S	MOUNTING - COMMENTS
A		RAB	SWISHFA 2X2 120V / D10	2' x 2' LED LAY-IN INDIRECT LIGHTING	29W LED @ 3500°K	RECESSED IN SUSPENDED CEILING
A/EM		RAB	SWISHFA 2X2 120V / D10 INCLUDE /E2 FOR EMERGENCY	2' x 2' LED LAY-IN INDIRECT LIGHTING	29W LED @ 3500°K	RECESSED IN SUSPENDED CEILING
В	Π	LITHONIA	WL2 22L EZ1 LP835	2' LED WALL BRACKET & SURFACE MOUNTED FIXTURE	21W LED	-
С		LITHONIA	WL4 40L EZ1 LP835	4' LED WALL BRACKET & SURFACE MOUNTED FIXTURE	39.5W LED	-
D (ETR)	ETR) EXISTING FIXTURES			ESTIMATED AT 50W LED EACH	-	
F	FAIL-SAFE FMR S 124 LD4 2 STD 35 UNV 82/88 EDD 1 YMF VRSD		1' x4' LED SURFACE MOUNTED SECURITY LIGHTING	73W LED @ 3500°K		
F/EM	FAIL-SAFEFMR S 124 LD4 2 STD 35 UNV 82/88 EDD 1 EL14W YMF VRSD			1' x4' LED SURFACE MOUNTED SECURITY LIGHTING	73W LED @ 3500°K	EMERGENCY BALLASTS INCLUDED IN FIXTURES AS INDICATED
G	Π	SPITZER LIGHTING	DFLV 2 40L U CC WH	2' LED SURFACE MOUNTED VANDAL RESISTANT LUMINAIRE	40W LED @ 3000°K	MOUNTED ABOVE DOORWAY
Н		LITHONIA	TWS LED 1 50K 120V	LED WALL LUMINAIRE	19W LED	ELEVATOR PIT LIGHTING
J		SPITZER LIGHTING	DFLV 6 40L U CC WH	CUSTOM 6' LED SURFACE MOUNTED VANDAL RESISTANT LUMINAIRE	40W LED @ 3000°K	MOUNTED ABOVE DOORWAY
К		FINELITE	E1-I-C-2'X4'-S-835-TG-120V-SC	LED E1-INDIRECT (E1-I) CONFIGURATION	37.3W LED 3500K	VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL PLANS
L		FINELITE	E1-I-C-3'-S-835-TG-120V-SC	LED E1-INDIRECT (E1-I) LINEAR	4.9W/FT LED 3500K	VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL PLANS
М		FINELITE	HP-4-R-D-(L OF RUN) -S -835-F-96LG-120-SC-FC-10	LED HIGH PERFORMANCE 4" APERATURE (HP-4) RECESSED	9.3W/FT LED 3500K	RECESSED IN CEILING
M/EM		FINELITE	HP-4-R-D-(L OF RUN) -S -835-F-96LG-120-SC-FC-10-LGD18W	LED HIGH PERFORMANCE 4" APERATURE (HP-4) RECESSED	9.3W/FT LED 3500K	RECESSED IN CEILING
EXIT	₩	LITHONIA	LQM S W 3 R 120/277 EL N	LED SELF POWERED EXIT SIGN	LAMPS SUPPLIED WITH FIXTURE	
EXIT2	×	LITHONIA	LHQM LED R QUANTUM COMBO	LED SELF POWERED EXIT SIGN EMERGENCY LIGHT COMBO	1.5W / 9.6V LED LAMPS	
EXIT3		LITHONIA	LHQM LED R HO QUANTUM COMBO	EMERGENCY LIGHT W/ REMOTE CAPABILITY - INCLUDE (2) MATCHING WEATHERPROOF LED REMOTE HEADS	1.5W / 9.6V LED LAMPS	
ELM2		LITHONIA	ELM2L LED	EMERGENCY LIGHTING UNIT	LAMP SUPPLIED WITH FIXTURE	









E 4" APERATURE (HP-4) SED	9.3W/FT LED 3500K		RECESSED IN CEILING
E 4" APERATURE (HP-4) SED	9.3W/FT LED 3500K		RECESSED IN CEILING
RED EXIT SIGN	LAMPS SUPPLIED WITH FIXTUR	RE	
IT SIGN EMERGENCY DMBO	1.5W / 9.6V LED LAMPS		
TE CAPABILITY - INCLUDE DOF LED REMOTE HEADS	1.5W / 9.6V LED LAMPS		
GHTING UNIT	LAMP SUPPLIED WITH FIXTUR	RE	
ROBES SHALL BE MOUNTED AT 80" LING WHICHEVER IS LOWER.		FOR L BUTTO U.O.N.	STROBE OR HORN/STROBE AL MOUNTING HEIGHTS & LOCATIONS IGHT SWITCHES, DIMMERS, EGRESS DNS, THERMOSTATS, OUTLETS, ETC., COORDINATE MOUNTING HEIGHTS WITH ITECTURAL PLANS AND FURNITURE.

EL	ELECTRICAL LEGEND							
	L MEASUREMENTS NOTED ON THE PLANS SHALL BE KEN FROM THE TOP OF THE OUTLET OR DEVICE							
₿-1	125 VOLT, 20 AMP, DUPLEX RECEPTACLE (PANEL "A", CKT "1")							
	QUAD RECEPTACLE (TWO DUPLEX, 125V, 20A)							
\bigcirc	SPECIAL RECEPTACLE, VERIFY WITH EQUIPMENT							
RECEPTACLES INSTALLED IN THE LOCATIONS GIVEN IN NEC ARTICLE 406.12 SHALL BE LISTED TAMPER - RESISTANT.								
IJ	JUNCTION BOX							
E	CEILING FAN BOX							
A <u>-</u> 1	HOMERUN TO PANEL (PANEL "A", CKT "1")							
	PANELBOARD							
□ ^{*30A} 30A	S DISCONNECT SWITCH, AMP RATING SHOWN (NF = NON-FUSED DISCONNECT) ALL INTERIOR DISCONNECTS SHALL BE RATED NEMA 1, ALL EXTERIOR DISCONNECTS SHALL BE RATED NEMA 3R NUMBER OF POLES AS REQUIRED FOR CONNECTED CIRCUIT							
GFI	GROUND FAULT CIRCUIT INTERRUPTER - PROVIDE AND INSTALL EITHER GFCI RECEPTACLES OR GFCI CIRCUIT BREAKERS WHEN RECEPTACLES ARE NOT READILY ACCESSIBLE.							
WR	LISTED WEATHER RESISTANT DEVICE							
V	TELEPHONE / DATA (CAT. 6)							
∇	TELEPHONE							
▼	DATA (CAT. 6)							
\odot	COAXIAL CABLE							
₽	USB CHARGING PORT							
\$	SINGLE POLE, SPECIFICATION GRADE							
\$ ³	THREE-WAY SWITCH, SPECIFICATION GRADE							
\$ ⁴	FOUR-WAY SWITCH, SPECIFICATION GRADE							
\$ ^P	PILOT-LIGHT SWITCH, SPECIFICATION GRADE							
\$ ^D	DIMMER SWITCH - 1200 WATT COMPATIBLE WITH SELECTED FIXTURES							
\$ ^{oc} \$ ^{ocd}	VACANCY SENSORS AND VACANCY SENSORS WITH DIMMING. (INCLUDE DIMMING CONTROL WIRING) USE LOW VOLTAGE SWITCHES AND CEILING SENSORS WITH POWER PACKS FROM WATTSTOPPER OR EQUIVALENT							
⊡	PUSH-BUTTON STATION							
₿	FLOOR-BOX - FOR CONCRETE & TILE INSTALLATION							
< >	CIRCUIT CONNECTION							
\frown	SWITCHED CIRCUIT CONNECTION							
<u> </u>	LIGHTING SWITCH LEG							

LABELING NOTE

	CODE REVIEW:
ELECTRICAL NOTES	
1. ALL ELECTRICAL WORK SHALL BE IN STRICT ACCORDANCE WITH THE NEW JERSEY UNIFORM	
CONSTRUCTION CODE AND THE 2020 NATIONAL ELECTRICAL CODE, NEW JERSEY EDITION IN EFFECT AND LOCAL ORDINANCES.	
2. ALL CONDUCTORS SHALL BE COPPER. ALUMINUM WIRE WILL NOT BE ACCEPTED UNLESS SPECIFICALLY NOTED OTHERWISE.	
3. ALL FEEDER AND BRANCH CIRCUIT CABLING SHALL BE IN ACCORDANCE WITH NEC ARTICLE 708.10 WITH A FULL SIZE GROUNDING CONDUCTOR OR CONDUIT WITH A FULL SIZE GROUNDING CONDUCTOR, UON. FEEDERS AND THEIR ASSOCIATED CONDUITS SHALL BE LISTED AS AN ASSEMBLY WITH A 2 HOUR FIRE-RATING AS REQUIRED BY 708.10(C). RACEWAYS SHALL BE RUN EXPOSED IN UNFINISHED AREAS TIGHT TO THE UNDERSIDE OF STRUCTURE AND PARALLEL OR PERPENDICULAR TO THE BUILDING WALLS UNLESS SPECIFICALLY NOTED OTHERWISE.	
SEE ARTICLES 708.10(C)(1), 708.10(C)(2) AND 708.10(D) FOR WIRING METHODS AND REQUIREMENTS. NOTE: THE ENTIRE BUILDING IS CONSIDERED A "DESIGNATED CRITICAL OPERATIONS AREA, (DCOA)"	
4. ALL CIRCUITS SHALL BE MINIMUM WIRE SIZE OF #12 AWG COPPER EXCEPT FOR SIGNAL AND CONTROL WIRING UNLESS SPECIFICALLY NOTED OTHERWISE.	
5. CONTRACTOR SHALL INSTALL AND CONNECT ALL POWER WIRING TO EQUIPMENT FURNISHED BY OTHERS AND SHALL WIRE LINE VOLTAGE THERMOSTATS FOR MECHANICAL EQUIPMENT AS WELL ALL STARTERS, RELAYS, AND CONTACTORS AND ALL OTHER MECHANICAL EQUIP.	
6. CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCHES AS REQUIRED BY CODE WHETHER OR NOT THEY ARE INDICATED ON PLANS.	CERTIFICATE:
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.	
8. MULTI-WIRE CIRCUITS (NEUTRAL SHARING) ARE PROHIBITED FROM THE ENTIRE PROJECT UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE DESIGN ENGINEER.	
9. ELECTRICAL CONTRACTOR SHALL WIRE ALL BATTERY BACKED BALLAST, SECURITY RECEPTACLES, SENSORS, EMERGENCY LIGHTS AND EXIT SIGNS AHEAD OF ANY SWITCHES, EMERGENCY LIGHTING AND EXIT SIGNS SHALL BE FED FROM THE SAME BRANCH CIRCUIT AS THAT SERVING THE NORMAL LIGHTING IN THE AREA. BATTERIES MUST BE POWERED AT ALL TIMES. COMPLY WITH NEC ARTICLE 700-12(F) AND 700-16. EGRESS DOOR/S EXTERIOR EMERGENCY LIGHTS AND REMOTE HEADS SHALL BE CONNECTED TO THE EXTERIOR LIGHTING CIRCUIT TO OPERATE UPON FAILURE OF THE EXTERIOR LIGHTING.	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET CAMDEN, NJ 08102 PHONE: (866) 974 7666
10. DRAWINGS ARE DIAGRAMMATIC. PRIOR TO BIDDING VERIFY CONDITIONS, LOCATIONS AND REQUIREMENTS IN THE FIELD TO ENSURE A COMPLETE AND PROPERLY OPERATIONAL SYSTEM. EXAMINE ALL CONTRACT DWGS, FOR REQUIREMENTS AFFECTING WORK OF THE ELECTRICAL TRADE.	SIGNATURE:
 QUESTIONS REGARDING THESE DRAWING SHALL BE ADDRESSED TO THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS, OTHERWISE THE ARCHITECT'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL. 	THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400 STEVEN LEONE 21AI0170100 STEVEN G. SIEGEL 21AI01564200 ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200 SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
12. COORDINATE LOCATIONS AND MOUNTING HEIGHTS OF THE OUTLET BOXES, JUNCTION BOXES, AND EQUIPMENT DISCONNECTION TO AGREE WITH REQUIRED LOCATIONS OF FURNISHINGS OF EQUIPMENT SERVED. GENERALLY, RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR AND LIGHT SWITCHES AT 48" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. ALL MEASUREMENTS SHALL BE TAKEN FROM THE TOP OF THE J-BOX OR DEVICE.	SEAL:
13. THE CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER ON ALL MAJOR ELECTRICAL EQUIPMENT (C/T CABINETS, PANELS, TRANSFORMERS, CONTACTORS, LUMINAIRE, ETC.) FOR REVIEW PRIOR TO PURCHASING.	
14. INSTALL PENETRATION FIRESTOPPING SYSTEMS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND PUBLISHED DRAWINGS FOR PRODUCTS AND APPLICATIONS.FLOOR PENETRATIONS REQUIRE FIRESTOPPING	BID SET - 06/25/2024
15. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO RECEIVE AND REVIEW SUBMITTALS FOR ALL ELECTRIFIED EQUIPMENT TO BE INSTALLED ON THIS PROJECT. NO EQUIPMENT OR MATERIALS ARE TO BE PURCHASED OR INSTALLED PRIOR TO ENSURING THAT BRANCH CIRCUITS ARE APPROPRIATE FOR THE EQUIPMENT BEING FED. NO ADDITIONAL COSTS WILL BE APPROVED IF THIS PROCEDURE IS NOT FOLLOWED. CONTACT THE ENGINEER TO RESOLVE ANY CONFLICTS THAT MAY ARISE.	PROJECT:
16. PROVIDE ACCESS PANELS FOR ANY DEVICES NEEDING SERVICE OR ADJUSTMENT THAT IS NOT READILY ACCESSIBLE OTHERWISE. ACCESS PANELS SHALL MAINTAIN FIRE, SMOKE, ETC, RATINGS OF ASSEMBLIES WHERE APPLICABLE.	HADDONFIELD POLICE
AFF - ABOVE FINISHED FLOOR AFG - ABOVE FINISHED GRADE UON - UNLESS OTHERWISE NOTED ETR - EXISTING TO REMAIN	STATION 1 WALNUT STREET, HADDONFIELD, NJ 08033
	FOR
FUSE INSTALLATION REQUIREMENTS CIRCUITS 601 TO 6000 AMPERES SHALL BE PROTECTED BY CURRENT-LIMITING "BUSSMAN" CLASS L, TIME DELAY KRP-C FUSES. FUSES SHALL BE TIME DELAY AND SHALL HOLD 500% OF RATED CURRENT FOR A MINIMUM OF 4 SECONDS AND SHALL BE UL LISTED AND CSA CERTIFIED WITH AN INTERRUPTING RATING OF 300,000 AMPERES RMS SYMMETRICAL. NO SUBSTITUTIONS PERMITTED WITHOUT ENGINEER'S APPROVAL.	CAMDEN COUNTY IMPROVEMENT AUTHORITY 520 MARKET STREET, 6TH FLOOR,
CIRCUITS 600 AMPERES OR LESS SHALL BE PROTECTED BY CURRENT-LIMITING "BUSSMAN", CLASS J, TIME-DELAY LPJ FUSES. (600V) OR LESS FUSES. FUSES SHALL HOLD 500% OF RATED CURRENT FOR A MINIMUM OF 10 SECONDS, AND SHALL BE UL LISTED AND CSA CERTIFIED WITH AN INTERRUPTING RATING OF	CAMDEN, NEW JERSEY 08102 FOR CODE REVIEW: 02/23/24
300,000 AMPERES RMS SYMMETRICAL. NO SUBSTITUTIONS PERMITTED WITHOUT ENGINEER'S APPROVAL. INCLUDE PLACARD ON EACH DISCONNECT STATING: REPLACEMENT FUSES SHALL BE CLASS J TIME-DELAY LPJ FUSES ONLY.	REVISIONS:
DEMOLITION NOTE	
ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DE-ENERGIZING THE ELECTRICAL SERVICE IN THE	
AREAS OF DEMOLITION PRIOR TO THE START OF DEMOLITION.	FOR BID: 06/25/2024 DRAWING TITLE:
	ELECTRICALNOTES & SCHEDULES
HARRY F. CARSON	COMMISSION NUMBER:
PROFESSIONAL ENGINEER NJ LICENSE NUMBER <u>45514</u> IENTS EXP: 04/30/2026 IEN	23M014
DR A R AS NJ COA NUMBER <u>24GA27940200</u>	DO NOT SCALE THE DRAWINGS
PINE ASSOCIATES, INC. MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING	DRAWING NUMBER: E0.1
1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	

PAN	NEL MDP	LOCAT	ION:	ELECT	RICAL RO	MOC					KEY NOTES:	
NEV	VPANEL - SURFACE MOUNTED	COMM	IENTS:								1) LOCK ON BREAKER HANDLE	
120	Y / 208V - 3 PHASE - 4 WRE											
INT	ERIOR: 400 AMP BUS - MAIN LUG ONLY											
RAT	ING: 22k FULLY RATED SYSTEM SCCR											
					PH/	ASE LOAD	ING	PANEL				
					85%	87%	86%	86%				
>			Р			Load - V/	4		Р			1
KEY	LOAD DESCRIPTION	OCP	(AS)	CKT	Aφ	Βφ	Сф	CKT	(AS)	OCP	LOAD DESCRIPTION	
		200		1	7770					200		1
				3	6821	8520	2			-		
	PANEL P (SECTION 1)	200	3	0		10138		4	3	200	PANEL P (SECTION 2)	
		200		5			9090			200		
		200		7	40440		9610	6		200		_
		200		7	13416 4022			8		50		
	DANEL D (SECTION 2)	200	3	9	TOLL	14687			3	50	DOAS 1	
	PANEL P (SECTION 3)		3			4022	11105	10	0	50		
		200		11			14135 4022	12		50		
		30		13	3276		TOLL	12		30		+
		50		15	3286	0070		14		30	4	
	CU-1	30	3	15		3276 3286		16	3	30	CU-2	
		30		17		0200	3276	10		30		
		50			5700		3286	18		30		
		60 60		19	5760 4320			20	20 100 22 3 100 PANEL	100		
	TRACTION ELEVATOR		3	21	4020	5760		20		PANEL IT - SUPPLIED THROUGH UPS		
	TRACTION ELEVATOR	00				5040		22		100	FANEL II - SUFFLIED THROUGH UPS	
		60		23			5760 3780	24		100		
	ELEVATOR LIGHTING	20	1	25	150		0700	24				+
	ELEVATOR LIGHTING	20	1,		0	~		26			_	
	SPACE		1	27		0		28	3		SPACE	
	CDAOF		4	29		0	0	20			-	
	SPACE		1				0	30				
		30		31	0			32				
				33	0	0		JZ				
	SURGE SUPPRESION DEVICE	30	3			0		34	3		SPACE	
		30		35			0	36				
	CONNECTED I	OAD PF	R PHAS	SE (kVA)	48.8	54.7	53.0	30				-
	DESIGN LC				340.4	347.4	345.9					-
	TOTAL CONNECTED LOAD (kVA			,/					CTED	AMPS:	434	+
	TOTAL DESIGN LOAD (kVA							TOTAL D			1	+

PAN	IEL P (1)	LOCAT	ION:	ELECTI	RICAL RC	MOC					KEY NOTES:
NEV	VPANEL - SURFACE MOUNTED	COMM	IENTS:								1) LOCK ON BREAKER HANDLE
20	Y / 208V - 3 PHASE - 4 WRE			1							
NTE	ERIOR: 225 AMP BUS - MAIN LUG ONLY			1							
RAT	ING: 22k FULLY RATED SYSTEM SCCR										
					PH/	ASE LOAD	ING	PANEL			
					29%	32%	34%	31%			
KEY	LOAD DESCRIPTION	OCP	P (AS)	СКТ	Ι Αφ	LOAD - VA Bo	λ Cφ	СКТ	P (AS)	OCP	LOAD DESCRIPTION
	ELEVATOR PIT RECEPTACLE	20	1	1	180 1260			2	1	20	LOBBY 101, CORRIDOR RECEPTACLES
	ELEVATOR SP-1 RECEPTACLE	20	1	3		0 4		1	20	SUMP PUMP CONTROLLER	
	IRRIGATION RECEPTACLE	20	1	5			180 1200	6		20	
	MECHANICAL ROOM 101 RECEPTACLE	20	1	7	180 1200			8	3	20	SUMP PUMP - 3 HP
	(2) WH-1 WATER HEATERS	20	1	9		1000 1200	000	10		20	
	RECORDS ROOM 202 RECEPTACLES	20	1	11	4000	-	360 360	12	1	20	WOMENS LOCKER RM 105 RECEPTACLES
	SQUAD CONF RM 106 RECEPTACLES	20	1	13	1080 180	4000		14	1	20	JANITOR CLOSET 108 RECEPTACLE
	SQUAD CONF RM 106 REFRIGERATOR	20	1	15		1000 720	700	16	1	20	MENS LOCKER RM 111 RECEPTACLES
	PARKING 107 RECEPTACLES	20	1	17	750		720 1220	18	1	20	EVIDENCE 110, SALLY PORT 113 RECEPTACLES
	RECORDS ROOM 202 COPIER	20	1	19	750 0	500		20	1	20	SPARE
	EWC-1	20	1	21		500 900	050	22	1	20	CORRIDOR 200 , LOBBY 201 RECEPTACLES
	MAGNETIC DOOR RELEASE	20	1	23	0		250 720	24	1	20	RECORDS 202 RECEPTACLES
	SPARE	20	1	25	0 360	000		26	1	20	TOILET RMS 204, 206 RECEPTACLES
	CONFERENCE 205 RECEPTACLES	20	1	27		900 720	4000	28	1	20	BREAK RM / KITCHEN 206 RECEPTACLES
	CONFERENCE 205 RECEPTACLES	20	1	29	1000		1080 1500	30	1	20	BREAK RM / KITCHEN 206 RECEPTACLES
	CONFERENCE 205 RECEPTACLES	20	1	31	1080 1500	000		32	1	20	BREAK RM / KITCHEN 206 RECEPTACLES
	CONFERENCE 205 RECEPTACLES	20	1	33		900 500	0	34	1	20	BREAK RM / KITCHEN 206 DISHWASHER BREAK RM / KITCHEN 206
	SPARE	20	1	35 37	0		0 1500	36	1	20	BREAK RM7 KITCHEN 206 REFRIGERATOR
	SPARE	20	1		0	0		38		30	
	SPARE	20	1	39		0	0	40	3	30	SURGE SUPPRESION DEVICE
	SPARE	20	1	41	7.0	0.5	0	42		30	
	CONNECTED L			· · /	7.8	8.5	9.1				
		64.8	71.0	75.8	CONN			70			
TOTAL CONNECTED LOAD (kVA): 25 TOTAL DESIGN LOAD (kVA): 25								CONN			

CONCRETE ENCASED ELECTRODE

THE BUILDING ELECTRICAL GROUNDING SYSTEM SHALL BE CONNECTED TO THE FOUNDATION REBAR IN ACCORDANCE WITH THE REQUIREMENTS OF NATIONAL ELECTRICAL CODE, SECTION 250.52 (A)(3).

INSTALL GROUNDING ELECTRODE CONDUCTOR AND LISTED CLAMP AT THE REBAR ADJACENT TO THE ELECTRICAL SERVICE ROOMS IN EACH SPACE. CLEARLY IDENTIFY CONDUCTOR AT EACH LOCATION FOR FUTURE CONNECTION AND INSPECTION.



01/01/2011

THE ABOVE IS AN EXAMPLE OF THE FIELD MARKING THAT SHALL BE AFFIXED TO THE MAIN SERVICE

OVER-CURRENT DEVICE ENCLOSURE.

1/2"=

3/4

1/2"=

(A) FIELD MARKING. SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.

110.24 AVAILABLE FAULT CURRENT.

(B) MODIFICATIONS. WHEN MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR THAT EFFECT THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE, THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE VERIFIED OR RECALCULATED AS NECESSARY TO ENSURE THE SERVICE EQUIPMENT RATINGS ARE SUFFICIENT FOR THE MAXIMUM AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE EQUIPMENT. THE REQUIRED FIELD MARKING(S) IN 110.24(A) SHALL BE ADJUSTED TO REFLECT THE NEW LEVEL OF MAXIMUM AVAILABLE FAULT CURRENT.

SELECTIVE COORD

IN ACCORDANCE WITH ARTICLE 708.54 OF THE NEW JERSEY EDITION OF THE ELECTRICAL COI

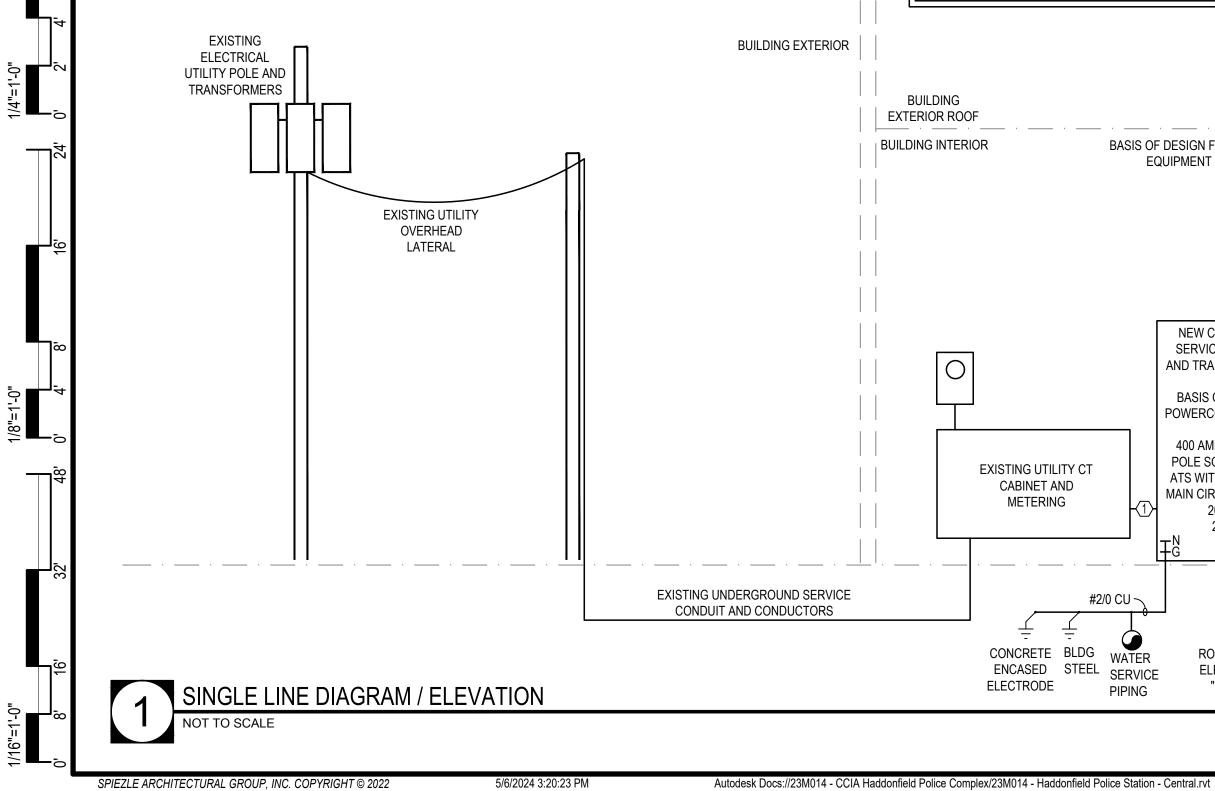
"CRITICAL OPERATIONS POWER SYSTEM(S) OV DEVICES SHALL BE SELECTIVELY COORDINATE SUPPLY-SIDE OVERCURRENT PROTECTIVE DE

THIS CONTRACTOR SHALL RETAIN THE SERVIC PROFESSIONAL TO PROVIDE A SELECTIVE COC TO BE REVIEWED BY THE PROJECT ELECTRICA THEN SUBMITTED THE HADDONFIELD ELECTRI OFFICIAL FOR RECORD.

KEYED NOTES

- (A) LOCATE GENERATOR CONTROL AND ANN MAIN ENTRY RECEPTION DESK. VERIFY L PROVIDE AND INSTALL A 2" CONDUIT FOR COMMUNICATIONS CABLING. SEE ARTICL METHODS AND REQUIREMENTS.
- (B) PROVIDE AND INSTALL CONDUITS AND CI ENCLOSURE HEATER - P-43, CRANKCASE CHARGER CIRCUIT - P-47, AS IDENTIFIED MANUFACTURER FROM PANEL "P SECTIO
- (1) 4"C W/(4)-#500 kCM CU RHH/R90 TWO HOU CABLE OR EQUIVALENT.
- (2) 4"C W/(4)-#500 kCM CU + #3 CU GRND RHH FIRE RATED CABLE OR EQUIVALENT.

NOTE: FIRE RATED CABLE AND CONDUIT S AS AN ASSEMBLY WITH A TWO HOUR FIRE



OCP 20 20 20 20 20 20 20	ENTS: P (AS) 1 1 1 1 1 1	CKT 43 45 47 49	25%	ASE LOAD 38% LOAD - VA Bø 1500 180	36%	PANEL 33% CKT	P (AS)	OCP	1) LOCK ON BREAKER HANDLE
20 20 20 20 20 20	(AS) 1 1 1 1 1 1	43 45 47	25% Аф 1500	38% LOAD - VA Вф 1500	36%	33%		OCP	LOAD DESCRIPTION
20 20 20 20 20 20	(AS) 1 1 1 1 1 1	43 45 47	25% Аф 1500	38% LOAD - VA Вф 1500	36%	33%		OCP	LOAD DESCRIPTION
20 20 20 20 20 20	(AS) 1 1 1 1 1 1	43 45 47	25% Аф 1500	38% LOAD - VA Вф 1500	36%	33%		OCP	LOAD DESCRIPTION
20 20 20 20 20 20	(AS) 1 1 1 1 1 1	43 45 47	25% Аф 1500	38% LOAD - VA Вф 1500	36%	33%		OCP	LOAD DESCRIPTION
20 20 20 20 20 20	(AS) 1 1 1 1 1 1	43 45 47	Аф 1500	LOAD - VA Вф 1500	1			OCP	LOAD DESCRIPTION
20 20 20 20 20 20	(AS) 1 1 1 1 1 1	43 45 47	Аф 1500	Βφ 1500		CKT		OCP	LOAD DESCRIPTION
20 20 20 20 20	1 1 1	45 47							
20 20 20 20	1	47				44	1	15	FIRE ALARM CONTROL PANEL
20 20 20	1					4 6	1	20	GYM 103 RECEPTACLES
20 20	-	<mark>4</mark> 9		_	1500 180	48	1	20	GYM 103 RECEPTACLES
20	1	-	1400 180			<mark>50</mark>	1	20	GYM 103 RECEPTACLES
		51		312 180		52	1	20	GYM 103 RECEPTACLES
20	1	53			156 360	<mark>54</mark>	1	20	GYM 103 RECEPTACLES
20	1	55	0 160			56	1	20	EXTERIOR LIGHTING
20	1	57		844 1262		58	1	20	1ST FLOOR LOBBY & CORRIDOR LIGHTING
20	1	59			812 1022	60	1	20	1ST FLOOR LIGHTING
20	1		1044 1107			62	1	20	1ST FLOOR SECURE LIGHTING
50	2			4500 540		64	1	20	ROOF TOP RECEPTACLES
50	_				4500 1080	66	1	20	EXTERIOR RECEPTACLES
20			820 360			68	1	20	EXTERIOR GENERATOR MAINTENANCE RECEPTACLE AND EXTERIOR LIGHT
20	3			820 0		70	1	20	SPARE
20					0	72	1	20	SPARE
	1		0			74	1		SPACE
	1			0	0	76	1		SPACE
	1		0		0	78	1		SPACE
	1		0			80	1		SPACE
	1			0	0	82	1		SPACE
	1				0	84	1		SPACE
			6.8						
	PHASE	(AMPS)	56.8	84.5		0.0111	OTEE	11/20	74
TOTAL CONNECTED LOAD (kVA): 27 TOTAL DESIGN LOAD (kVA): 27							/4		
	50 50 20 20 20 20 20 20	50 50 20 20 20 20 3 20 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{c} 50 \\ 50 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\$	20 1 1107 50 2 63 50 2 65 20 3 65 20 3 69 20 3 71 1 73 0 1 75 1 1 77 0 1 79 0 1 81 0 1 83 0 D PER PHASE (KVA) 6.8 PER PHASE (AMPS) 56.8	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				

LOCATION: ELECTRICAL / IT ROOM

COMMENTS:

PANEL IT

NEW PANEL - SURFACE MOUNTED

KEY NOTES:

1) LOCK ON BREAKER HANDLE

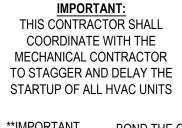
PAN	EL P (3)	LOCAT	ION:	ELECT	RICAL RO	MOC					KEY NOTES:	
NEW	PANEL - SURFACE MOUNTED	COMM	IENTS:								1) LOCK ON BREAKER HANDLE	
120	(/ 208V - 3 PHASE - 4 WIRE											
INTE	RIOR: 225 AMP BUS - MAIN LUG ONLY											
RAT	NG: 22k FULLY RATED SYSTEM SCCR											
LAR	GEST MOTOR: 1 HP, 115V - 1 PHASE				PHA	ASE LOAD	NG	PANEL				
					28%	36%	29%	32%				
7			Р			OAD - VA			Р			>
KEY	LOAD DESCRIPTION	OCP	(AS)	CKT	Aφ	Βφ	Сф	CKT	(AS)	OCP	LOAD DESCRIPTION	KFY
		15		85	288				1	20	EH-1 SQUAD CONF 106	
	FCU-1, FCU-2, FCU-4, FCU-7	10	2	07	900	000		86		20		
		15		87		288	288			30		
		15		89		2000	216	88	2	30	EH-2	
	FCU-3, FCU-5, FCU-6	15	2				2880	90		30		
		15		91	216 2880			92		30		
		45		93	2000	216		UZ	2	00	EH-2	
	FCU-8, FCU-9, FCU-13	15	2			2880		94		30		
		15	-	95			216 1740	96		20		
		45		97	312		1740	00	2	00	EH-3	
	FCU-10, FCU-12, FCU-14	15	2		1740			98		20		
		15	~	99		312 2160		100		20		
				101		2100	312	100	2		EH-4	
	FCU-11, FCU-15, FCU-16, FCU-17	15	2				2160	102		20		
	100-11,100-10,100-10,100-17	15	2	103	312			404		20		
				105	1740	2256		104	2		EH-5	
	OU-1	25	2			1740		106		20		
	00-1	25	2	107			2256	400	1	20	EH-1 CONFERENCE 205	
				109	1572		900	108				-
	OU-2	20	2	100	250			110	1	20	GAS DETECTION SYS	
	00-2	20		111		1572		110	1	20	EF-4, L-1, L-2	
				113		50	3026	112				_
	CU-3	35	1	110			213	114	1	20	EF-2	
	00-3	35	1	115	3026			1.10	1	20	EF-3	
				117	80	216		116				_
		20	1			117		118	1	20	EF-5	
	FCU-18, FCU-19	20	1	119			216		1	20	SPARE	
			-	121	0		0	120				_
	SPARE	20	1	121	100			122	1	20	EF-6	
	SPARE	20	1	123		0			1	20	SPARE	
				125		0	0	124				_
	SPARE	20	1	120			0	126	1	20	SPARE	
	CONNECTED L	OAD PE	R PHAS	E (kVA)	<u>13.4</u>	14.7	14.1					
	DESIGN LO	AD PER I	PHASE	(AMPS)	64.1	<mark>81.</mark> 9	<mark>65.8</mark>					
	TOTAL CONNECTED LOAD (kVA)				TOTAL CONNECTED AMPS: 117							
	TOTAL DESIGN LOAD (kVA)	: 26						TOTAL D	ESIGN	AMPS:	72	

NEW COMBINATION NEW PANEL NDT RANSFER SWITCH NDD 208/120 VAC NEW PANEL P (SECTION 1) 208/120 VAC NEW PANEL P (SECTION 2) 208/120 VAC NEW PANEL P (SECTION 3) 208/120 VAC N			1	NEW PANEL - SURFACE MOUNTED	COMM	IENTS:								1) LOCK ON BREAKER HANDLE		
]			_											
Transmission Transmission <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																
Set. 1 <td>A DIADEL NE LEGANA SE CARACITA DE LA DEL MENTO DE LA RECOLUCIÓN DE LA DECIDA DE LA DEL MENTO MENTAL MELECONA MENTAL MENTAL MELECONA MENTAL MELECONA MENTA</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PHA</td> <td>ASE LOAD</td> <td>DING</td> <td>PANEL</td> <td></td> <td></td> <td></td> <td></td> <td></td>	A DIADEL NE LEGANA SE CARACITA DE LA DEL MENTO DE LA RECOLUCIÓN DE LA DECIDA DE LA DEL MENTO MENTAL MELECONA MENTAL MENTAL MELECONA MENTAL MELECONA MENTA							PHA	ASE LOAD	DING	PANEL					
SC. SCALEWICK Image: Scalewick in the state in th	k versen	E 2020 EDITION OF THE	_					16%	19%	14%	16%					
					OCP	P (AS)	CKT				СКТ	P (AS)	OCP	LOAD DESCRIPTION	KEY	
NUMBER AND ALL THE WITE COLLAR CONCUT SHALL BE STOLEN. NUMBER AND ALL THE WITE COLLAR CONCUTS SHALL BE STOLEN. NUMBER AND ALL THE WITE COLL	Windley Improvement water in the improvement of the improveme		-		30	1	1		Вф	υφ		1	20	DADKING DOOM DECEDTACIES		
NUMBER Image: Image			-			·	3	720	360		2					
BED A DEBAGN BED A DEBAGN BENER HAND BED A DEBAGN BED	In Production of the control of the		_	TI ROOM RECEPTACLES	30	1	Б			260	4	1	20	PARKING ROOM RECEPTACLES		
All AND			_	IT ROOM RECEPTACLES	20	1	0				6	1	20	PROCESSING AREA RECEPTACLES		
IN DIMENSIONER IN DI	Education of the second			IT ROOM RECEPTACLES	20	1	7				8	1	20	INTERVIEW ROOM RECEPTACLES		
CAL SEG COLE INTERCENT IN A LAND AND AND AND AND AND AND AND AND AND	Sub Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store Image: Store Store <td></td> <td>-</td> <td>OFFICE 207 RECEPTACLES</td> <td>20</td> <td>1</td> <td>9</td> <td></td> <td></td> <td></td> <td>10</td> <td>1</td> <td>20</td> <td>TESTING ROOM RECEPTACLES</td> <td></td> <td></td>		-	OFFICE 207 RECEPTACLES	20	1	9				10	1	20	TESTING ROOM RECEPTACLES		
SNUPOSALI ELCOND NOTE ALL REGENCIONALITIES DOUBLIS DU RE CONTRUMO NONCOMENTON REGENCIONALI NOTE ALL REGENCIONALITIES DOUBLIS DU RE CONTRUMO NONCOMENTON REGENCIONALI 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	WORKALL BECKNOLL WORKALL BECKNOLL BECKNOLL BECKNOLL WORKALL BECKN			OFFICE 207 RECEPTACLES	20	1	11		010	-		1	20	OFFICE 209 RECEPTACLES		
Image: section and sectin and section and section and section and secti	Milling Image: Market Mark		-	OFFICE 208 RECEPTACIES	20	1	13			900		1	20	OFFICE 210 RECEPTACIES		
AND/ATTREMENT AND/AT	WARENAMEL Image: state in the control in the contr		-				15	900	720		14					
Image: State of the state	ALL LEUTION MORE ANTER MORE ANTER MORE AND ANTER		_	OFFICE 203 RECEPTACLES	20	1				720	16	1	20	OFFICE 210 RECEPTACLES		
INCOME PAGE AT THE SECTION FOR CARE. AT THE AT THE AT THE AT THE AT THE AT THE SECTION FOR CARE. AT THE SECTION FOR CARE. AT THE SECTION FOR CARE. AT THE AT THE SECTION FOR CARE. AT THE AT	NUMBER ARE AT THE SHORE WATCHING NUMBER ARE AT THE SHORE WATCHING OF SHORE WATCHING OF SH			SQUAD ROOM 106 RECEPTACLES	20	1				0	18	1	20	SPARE		
	WATER PANEL AT THE ALTON WINDOWSKY WAY FOR WINDOW			SQUAD ROOM 106 RECEPTACLES	20	1	19				20	1	20	SPARE		
INCOMPARENT MARKEN INCOMPARENT INCOMPAREN	HANTER PLAN AND REAL AND REAL AND COLUMN SALE OF COLUMN SALE OF COLUMN SALES S		Ī	SQUAD ROOM 106 RECEPTACLES	20	1	21		720		22	1	20	SPARE		
CALCHOL MINIT SWARER. THE STUDIES COLORED WINDS THE STUDIES COLORED TO BOOK WE CONSIDER TO	ALCON THE OWNER THE AT CONTRAINING THE AT CO		j †	SPARE	20	1	23		0	0		1		SPACE		
ANUNCATION RECENT AND RUNNING RECENT AND RUNNING RUNNING RECENT AND RUNNING RECENT AND RUNNING RUNNING RECENT AND RUNNING	NNUMATINE AT A REAL INFORMATION OF ALL FRE-STEED CORE AND CONCULT SHALL BE LISED NO CORE INFORMATION NNUMATION CORE AND A SSERVEY WITH A TWO HOUR RIVE AT THE CORE NO CORE INFORMATION NO CORE INF			SDADE		1	25	0		0	24	1		SDACE		
E TA M LOR MARINE E TA M LOR MARINE RAUTE POR SUBJECTOR MERTER POR JUNE REATE POR JUNE RE	The LA FORMANG Image: Imag		-				27	0	0	1	26	'				
REUTS FOR GENERATOR RETER AND ALL ENC INC. IN THE ALL ENC ENTED OUT OF THE RETER AND OUT OF	LUIS FOR GENERATOR EATER - AN ALCALTERY PRE A ALCALTERY			SPARE	20	1			-	0	28	1		SPACE		
REUTS ROUGE BEARTON REUTS HOUSE HALL RECTRICAL MERCEN HALL RELATION MICH TO HOUSE MERCEN HALL RELATION MICH TO HOUSE MICH TO HOUSE MIC	DUIS FOR GREEKATOR BILLING ACTERNAL THE PRANCE THE			SPACE		1				0	30	1		SPACE		
HEATER - HS AND BATTERY NZ: WEY COMENTAGE WEY CO	EARCH - PAG AND BATTERY CORRECTION 3 2. HILE 2 BARAGONING TO 2. HILE 2. HILE	IRCUITS FOR GENERATOR	 	SPACE		1	31				32	1		SPACE		
Procession is a serie of many series of the	UbbreakIOM prise Arriso I <td>HEATER - P-45, AND BATTERY</td> <td> </td> <td>SPACE</td> <td></td> <td>1</td> <td>33</td> <td></td> <td>0</td> <td></td> <td></td> <td>1</td> <td></td> <td>SPACE</td> <td></td> <td></td>	HEATER - P-45, AND BATTERY	 	SPACE		1	33		0			1		SPACE		
UR PRE PATED INSIG TWO HOUR HIRDS DTWO HOURS HIRDS DTWO	IFRE ANTED BOT TO HOUR BOT TO HOUR BUILDING ALL BE LISTED ANNE ALL BE LISTED ALL BE LISTED ANNE ALL BE LI			SPACE		1	35		0	0		1		SPACE		
Ref Comments and a set of the set	Instell ALLU Instell ALLU Instell ALLU Instell ALLU NO TNO HOUR Instell ALLU Instell ALLU Instell ALLU Instell ALLU Instell ALLU)N 2".			30		37	0		0	36	1		SDACE		
RRBD TWO HOUR HALL BE LISTED HALL BE LISTED	BUILDING EXTERIOR BUILDING INTERIOR BUILDING INTE	UR FIRE RATED					39	0	0	1	38					
INSUE THOUGH AND LEVER TO ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE TO ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE SIGN FOR ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE SIGN FOR ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE SIGN FOR ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE SIGN FOR ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE SIGN FOR ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE SIGN FOR SALE AND COMMUNE SCIENCE SIGN FOR ALL ELECTRICAL NOTE: ALL PRE PARTED CALLE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SALE AND COMMUNE SCIENCE SIGN FOR SALE AND FOR SALE AND COMMUNE AND COMMUNE SCIENCE SIGN FOR SALE AND	BUILDING EXTERIOR ALL BE LISTED ATING THE CONSTANT OF ALL BE LISTED ATING THE CONSTANT OF ALL BE LISTED ATING BUILDING EXTERIOR BUILDING E			SURGE SUPPRESION DEVICE	30	3			0	0	40	1		SPACE		
BALL BE LISTED	ALL BE LISTED	H/R90 TWO HOUR								0	42	1		SPACE		
BALLE LESTED	ALL BE USTED TITING		-													
BUILDING EXTERIOR ROOF BUILDING EXTERIOR NON FOR ALL ELECTRICAL MENT IS SOURCE D. NOTE ALL FIRE RATED CABLE AND CONDUIT SHALL BE LISTED SRAIN SSEMICY WITH A TWO HOUR FIRE RATING 2°C WIGH-2R HHRRSO CU + 5°C U GRND 2°C WIGH-2R HHRRSO CU + 5°C U GRND 1°F 5°C U GRND CU 1°F 5°C 0°F 5°C	BUILDING EXTERCICAL IN FOR ALL ELECTRICAL IN FOR ALL ELECTRICAL IN FOR ALL ELECTRICAL IN FOR ALL ELECTRICAL IN COMBINATION IN COMBINET IN COMBINET AND IN COMBINATION IN COMBINET IN COMBI	SHALL BE LISTED	-			TINOL	(7.001 0)	00.0	42.0			CTED	AMPS:	36		
EXTERIOR ROOF BUILDING INTERIOR BUILDING INTERIOR 150 WD DESCL STANDBY ENERGENCY CENERATOR BUILDING INTERIOR WTH VEXTHER PROTECTIVE ENCLOSE WTH VEXTHER PROTECTIVE ENCLOSE 150 WD ENCLOSE 150	EXTERIOR ROOF BUILDING INTERIOR BUILDING INTERIOR	RATING.		TOTAL DESIGN LOAD (kVA)): 13						FOTAL DE	ESIGN	AMPS:	36		
3°C Wi(4)#30 RHHR90 CU + #6 CU GRND 3°C Wi(4)#30 RHHR90 CU 3°C Wi(4)#30 RHHR90 CU 3°C Wi(4)#30 RHHR90 CU 3°C Wi(4)#30 RHHR90 CU *#6 CU GRND 3°C Wi(4)#30 RHHR90 CU *#6 CU GRND 3°C Wi(4)#30 RHHR90 CU *#6 CU GRND Service Extrance Di TRANSFER SWICH Service Extrance Di RANSFER SWICH Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance Di Sol V DESIGN IS WITH CRITICAL GRADE EXHAUST SILENC Service Extrance <t< th=""><th>3°C Wi(4)#30 RHHR90 CU + #6 CU GRND 150 WD IESEL 3°C Wi(4)#30 RHHR90 CU 150 WD IESEL BASIS OF DESIGN IS STANDBY EMERGENCY GENERATOR BASIS OF DESIGN IS NEW PANEL VCOMBINATION NEW PANEL SIS OF DESIGN IS NEW PANEL 208/120 VAC (SECTION 1) 208/120 VAC 208/120 VAC 208/120 VAC 40KW 208/120 VAC 208/120 VAC 208/120 VAC 40KW 208/120 VAC 40KW <tr< th=""><th></th><th>AS AN ASSEMBLY</th><th>WITH A TWO HOUR FIRE RATIN</th><th></th><th>ED</th><th></th><th></th><th></th><th></th><th></th><th></th><th>- • -</th><th> · · ·</th><th></th><th></th></tr<></th></t<>	3°C Wi(4)#30 RHHR90 CU + #6 CU GRND 150 WD IESEL 3°C Wi(4)#30 RHHR90 CU 150 WD IESEL BASIS OF DESIGN IS STANDBY EMERGENCY GENERATOR BASIS OF DESIGN IS NEW PANEL VCOMBINATION NEW PANEL SIS OF DESIGN IS NEW PANEL 208/120 VAC (SECTION 1) 208/120 VAC 208/120 VAC 208/120 VAC 40KW 208/120 VAC 208/120 VAC 208/120 VAC 40KW 208/120 VAC 40KW <tr< th=""><th></th><th>AS AN ASSEMBLY</th><th>WITH A TWO HOUR FIRE RATIN</th><th></th><th>ED</th><th></th><th></th><th></th><th></th><th></th><th></th><th>- • -</th><th> · · ·</th><th></th><th></th></tr<>		AS AN ASSEMBLY	WITH A TWO HOUR FIRE RATIN		ED							- • -	· · ·		
3°C Wi(4)#30 RHHR90 CU +#6 CU GRND 150 WD UESEL NEW COMBINATION *#6 CU GRND NEW PANEL P NEW COMBINATION NEW PANEL NEW PANEL NEW PANEL 0 TANNSPER SWITCH NEW PANEL NEW PANEL NEW PANEL 0 SERVICE ENTRANCE NEW PANEL NEW PANEL NEW PANEL 0 SERVICE ENTRANCE NEW PANEL NEW PANEL NEW PANEL 0 SERVICE ENTRANCE NEW PANEL NEW PANEL NEW PANEL 0 SERVICE ENTRANCE NEW PANEL NEW PANEL NEW PANEL 0 SERVICE SUITA SECTION 1) 208/120 VAC 40kW 0 AMPERE, THREE 000 AMPERE 208/120 VAC 40kW 0 Clocul Sould NERAGENCY SECTION 2) 208/120 VAC 40kW 0 AMPERE, THREE 000 AMPERE 40kW 208/120 VAC 40kW 0 Clocul Sould NERAGENCY SECTION 2) 208/120 VAC 40kW 40kW 0 AMPERE, THREE 000 AMPERE 40kW 40kW 40kW 40kW 0 208/120 VAC 40kW 40kW 40kW 40kW 40kW 40kW 0 208/120 VAC	Image: constraint of the constraint		2"C W/(4)-#2 H	HH/R90 CU + #6 CU GRND							٦					
NEW COMBINATION *#6 CU GRND 150 kW DIESEL NEW COMBINATION *#6 CU GRND STANDBY EMERGENCY GENERATOR NEW PANEL NEW PANEL NEW PANEL NEW PANEL ND TRANSFER SWITCH NEW PANEL NEW PANEL NEW PANEL MDP 208/120 VAC (SECTION 1) 208/120 VAC (SECTION 3) 208/120 VAC 208/120 VAC 208/120 VAC 40kW 208/120 VAC 400 AMPERE, THREE 208/120 VAC 208/120 VAC 150 kW (187.5 kL 208/120 VAC 208/120 VAC 208/120 VAC 40kW 208/120 VAC 400 AMPERE, THREE 208/120 VAC 150 kW (187.5 kL 208/120 VAC 150 kW (187.5 kL 208/120 VAC 208/120 VAC 208/120 VAC 40kW 208/120 VAC 150 kW (187.5 kL 208/120 VAC 208/120 VAC 40kW 208/120 VAC 150 kW (187.5 kL 208/120 VAC 150 kW (187.5 kL 208/120 VAC 208/120 VAC 40kW 208/120 VAC 40kW 208/120 VAC 150 kW (187.5 kL 208/120 VAC 160 kL <t< td=""><td>3°C WI(4)#30 RHHR30 CU *#6 CU GRND 150 KW DIESEL W COMBINATION *#6 CU GRND STANDBY EMERCENCY GENERATOR NEW PANEL NEW PANEL NEW PANEL NEW PANEL SIS OF DESIGN IS (SECTION 1) 208/120 VAC (SECTION 2) 208/120 VAC (SECTION 2) 208/120 VAC 40kW 208/120 VAC 208/120 VAC 40kW 208/120 VAC 1 CIRCUIT BREAKER 208/120 VAC 40kW 208/120 VAC 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW<!--</td--><td></td><td>3"C W/(4)-#3/0</td><td>RHH/R90 CU + #6 CU GRND</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></t<>	3°C WI(4)#30 RHHR30 CU *#6 CU GRND 150 KW DIESEL W COMBINATION *#6 CU GRND STANDBY EMERCENCY GENERATOR NEW PANEL NEW PANEL NEW PANEL NEW PANEL SIS OF DESIGN IS (SECTION 1) 208/120 VAC (SECTION 2) 208/120 VAC (SECTION 2) 208/120 VAC 40kW 208/120 VAC 208/120 VAC 40kW 208/120 VAC 1 CIRCUIT BREAKER 208/120 VAC 40kW 208/120 VAC 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW 208/120 VAC 150 kW (187 5 kV. 208/120 VAC 40kW </td <td></td> <td>3"C W/(4)-#3/0</td> <td>RHH/R90 CU + #6 CU GRND</td> <td></td>		3"C W/(4)-#3/0	RHH/R90 CU + #6 CU GRND												
S C W(4)#300 KMT/R30 U0 ID MV DISEL NEW COMBINATION SERVICE ENTRANCE SUP Z08/120 VAC NEW PANEL P NEW	Structure 3 C W(4)##30 MRTH/R80 C0 Image: Structure Str		3"C W/(4)-#3/0 RHH/R90	CU + #6 CU GRND												
BASIS OF DESIGN IS CUMMINS CISODE WITH CASIS OF DESIGN IS WITH CASIS OF DESIGN IS CUMMINS CISODE WITH CASIS OF DESIGN IS WITH CASIS OF DESIGN IS CUMMINS CISODE WITH CASIS OF DESIGN IS WITH	BASIS OF DESIGN IS CUMMINS C1500BC WCMBINATION NEW PANEL P (SECTION 1) 208/120 VAC SIS OF DESIGN IS SIS OF DESIGN			J									+ #6	CU GRND		
NEW COMBINATION SERVICE ENTRANCE UD TRANSFER SWITCH BASIS OF DESIGN IS WERCOMMAND OTEC 400 AMPERE, THREE OLE SOLID NEUTRAL 208/120 VAC 400 AMPERE, THREE OLE SOLID NEUTRAL 400 AMPERE, THREE OLE SOLID NEUTRAL 208/120 VAC 400 AMPERE, THREE OLE SOLID NEUTRAL 400 AMPERE, THREE OLE SOLID NEUTRAL 400 AMPERE, THREE OLE SOLID NEUTRAL AND RECOMMENDE AND CIRCUIT BREAKER 208/120 VAC 400 AMPERE, THREE OLE SOLID NEUTRAL AND RECOMMENDE AND CIRCUIT BREAKER 208/120 VAC 400 AMPERE, THREE OLE SOLID NEUTRAL AND RECOMMENDE AND CIRCUIT BREAKER 208/120 VAC 400 AMPERE AND CIRCUIT BREAKER 208/120 VAC 400 AMPERE 400 AM	WCOBINATION RVICE ENTRANCE TRANSFER SWITCH NEW PANEL MDP 208/120 VAC NEW PANEL P 208/120 VAC NEW PANEL P 208/120 VAC NEW PANEL P (SECTION 1) 208/120 VAC NEW PANEL P (SECTION 2) 208/120 VAC NEW PANEL T (SECTION 2) 208/120 VAC NE		+ #6 CU GRND													
SERVICE ENTRANCE NO TRANSFER SWITCH DATABASER SWITCH BASIS OF DESIGN IS DWERCOMMAND OTEC 400 AMPERE, THREE 208/120 VAC 208/120	RVICE ENTRANCE TRANSFER SWITCH TRANSFER SWITCH SIS OF DESIGN IS ERCOMMAND OTEC DAMPERE, THREE ES OLD NEUTRAL WITH 400 AMPERE COMMUND UTRAL 208/120 VAC DAMPERE COMMUND UTRAL WITH 400 AMPERE COMMUND UTRAL WITH								٦							
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BASIS OF DESIGN IS DWERCOMMAND OTEC 400 AMPERE, THREE POLE SOLID NEUTRAL TS WITH 400 AMPERE, THREE POLE SOLID NEUTRAL TS WITH 400 AMPERE 208/120 VAC 208/120 VAC 208/120 VAC 208/120 VAC 208/120 VAC 208/120 VAC 208/120 VAC 208/120 VAC 40KW 208/120 VAC 40KW 400A 22 KAIC 400A 22 KAIC 400A 22 KAIC 400A 22 KAIC 40 CA 20 KI(4)#500 KCM THWN CU + #3 CU GRND 400A 22 KAIC 400A 22 KAIC 40 CA 20 KI(4)#500 KCM THWN CU + #3 CU GRND 40 CA 20 KI/CO 40 CA 40 CA	SIS OF DESIGN IS ERCOMMAND OTEC DAMPERE, THREE LE SOLID NEUTRAL UIC CUIT BREAKER 208/120 VAC 208/120 VAC UPS 150 KW (187.5 KW 208/120 VAC UPS 160 KW (187.5 KW 200 K	ND TRANSFER SWITCH				(9										WITH CRITICAL GRADE EXHAUST SILENCER.
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																KUNTIME AT 100% LOAD.
	REQUIRED. GROUNDING AND BONDING SHALL COMPLY WITH NEC ARTICLE 250.	"ELECTRODE", THEN IN A	CCORDANCE WITH NEC ARTICLE 250	GROUND RODS ARE NOT												
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	SIGNATURE: THOMAS S. PERRINO 21A01505400 SCOTT E. DOWNIE 21A011674400 STEVEN LEONE 21A01167400 ANGELO ALBERTO 21A01046700 JOHN F. WRIGHT 21A0108700 SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000 SEAL: BID SET - 06/25/2024
	PROJECT: HADDONFIELD POLICE STATION 1 WALNUT STREET, HADDONFIELD, NJ 08033 FOR CAMDEN COUNTY
	IMPROVEMENT AUTHORITY 520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102 FOR CODE REVIEW: 02/23/24 REVISIONS: MEVISION NAME DATE
	FOR BID: 06/25/2024 DRAWING TITLE: ELECTRICAL PANEL SCHEDULES COMMISSION NUMBER: 23M014
CA27940200 ES, INC. GINEERING NJ 08057 SOCIATES.COM	DO NOT SCALE THE DRAWINGS DRAWING NUMBER: E0.2

CODE REVIEW:

 $\langle A \rangle \langle B \rangle$ R SHALL HAVE A BELLY CITY FOR 72 HOURS OF

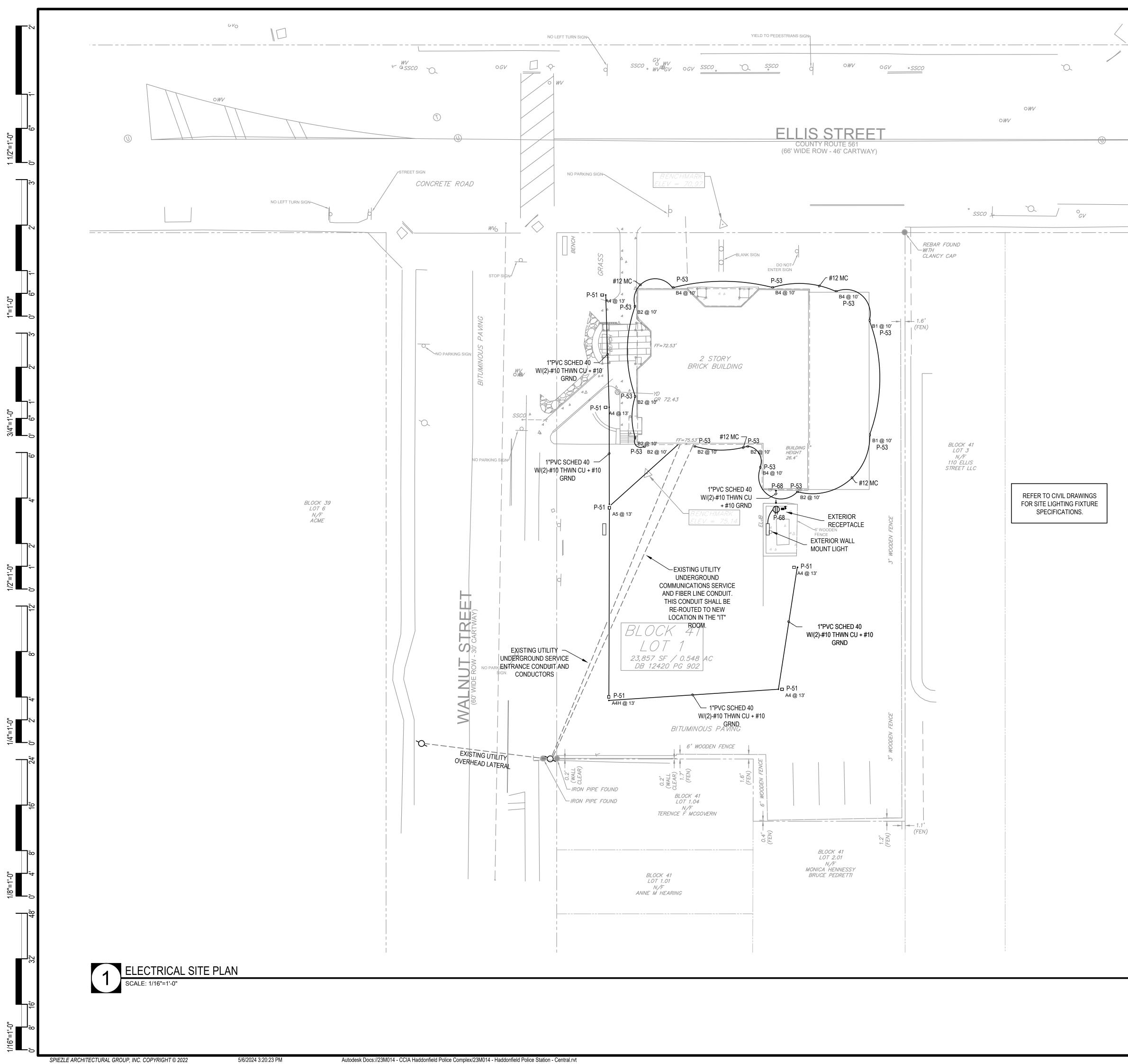


**IMPORTANT DO NOT BOND THE FRAME TO THE GENERATOR NEUTRAL SYSTEM GROUND TO THE GENERATOR FRAME.

> HARRY F. CARSON PROFESSIONAL ENGINEER NJ LICENSE NUMBER 45514 EXP: 04/30/2026

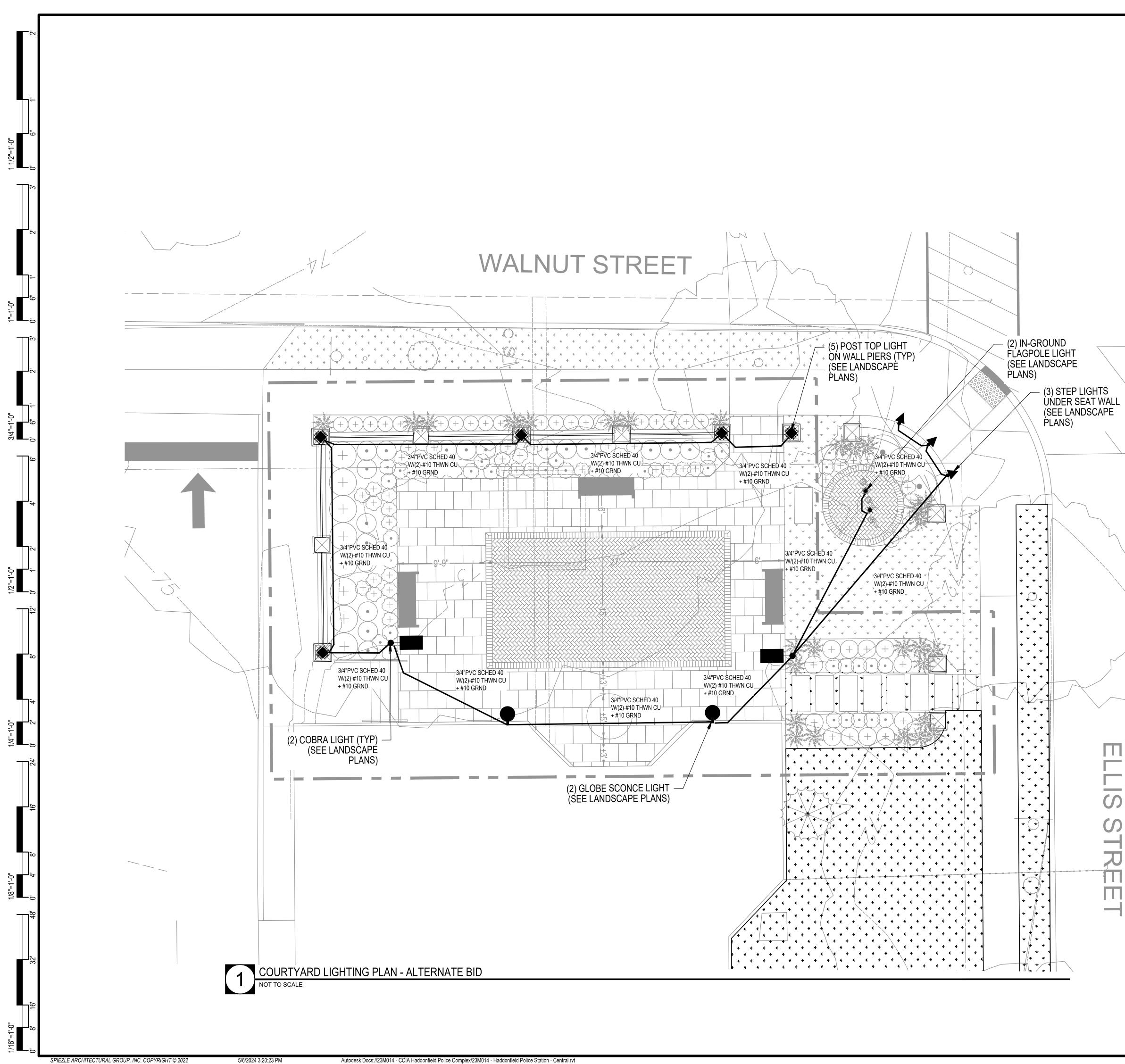
> > NJ COA NUMBER 240

PMH ASSOCIATI MECHANICAL, ELECTRICAL & FIRE PROTECTION EN 1217 N CHURCH ST. STE B MOORESTOWN, N (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSC EIC: ____ PC: ___ PM: ____



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	CODE REVIEW:
	CERTIFICATE:
	spiezle
	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET CAMDEN, NJ 08102 PHONE: (866) 974 7666
	SIGNATURE: THOMAS S. PERRINO 21AI01505400
	SCOTT E. DOWNIE 21A01674400 STEVEN LEONE 21A01170100 STEVEN G. SIEGEL 21A011564200 ANGELO ALBERTO 21A01046700 JOHN F. WRIGHT 21A01784200
	SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000 SEAL:
	BID SET - 06/25/2024
	PROJECT:
	HADDONFIELD POLICE STATION
	1 WALNUT STREET, HADDONFIELD, NJ 08033
	FOR
	CAMDEN COUNTY IMPROVEMENT
	AUTHORITY 520 MARKET STREET, 6TH FLOOR,
	CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24 REVISIONS:
	# REVISION NAME DATE
	FOR BID: 06/25/2024
	ELECTRICAL SITE PLAN
HARRY F. CARSON	ELECTRICAL SITE PLAN COMMISSION NUMBER: 23M014 DO NOT SCALE THE DRAWINGS DRAWING NUMBER: ED.3 M
PROFESSIONAL ENGINEER NJ LICENSE NUMBER <u>45514</u>	23M014
EXP: 04/30/2026	DO NOT SCALE THE DRAWINGS
NJ COA NUMBER <u>24GA27940</u> PNHH ASSOCIATES, IN	DZ200 DRAWING NUMBER:
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING 1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057	E0.3
(856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.CC	



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	CERTIFICATE:
	Spiezie
	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET CAMDEN, NJ 08102
	PHONE: (866) 974 7666
	SIGNATURE:
	THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400 STEVEN LEONE 21AI01170100
	STEVEN G. SIEGEL 21AI01564200 ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200
	SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
	SEAL:
	BID SET - 06/25/2024
	DID 321 - 00/23/2024
	PROJECT:
	HADDONFIELD POLICE
	STATION
	1 WALNUT STREET, HADDONFIELD, NJ 08033
	FOR
	IMPROVEMENT AUTHORITY
	520 MARKET STREET, 6TH FLOOR,
	CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24
	REVISIONS:
	# REVISION NAME DATE
	FOR BID: 06/25/2024
	DRAWING TITLE:
	COURTYARD LIGHTING
	PLAN ALTERNATE BID
	23M014
200	DO NOT SCALE THE DRAWINGS DRAWING NUMBER:
С.	
	E0.4
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ELECTRICAL NOTES

PROVIDE AND INSTALL MINIMUM 3/4" PVC SCHEDULE 40 CONDUIT FROM A 20 AMPERE CIRCUIT BREAKER IN PANEL "P-49" IN THE ELECTRICAL ROOM UNDERGROUND TO THE COURTYARD WITH (2) #10 THWN CU + #10 GRND.

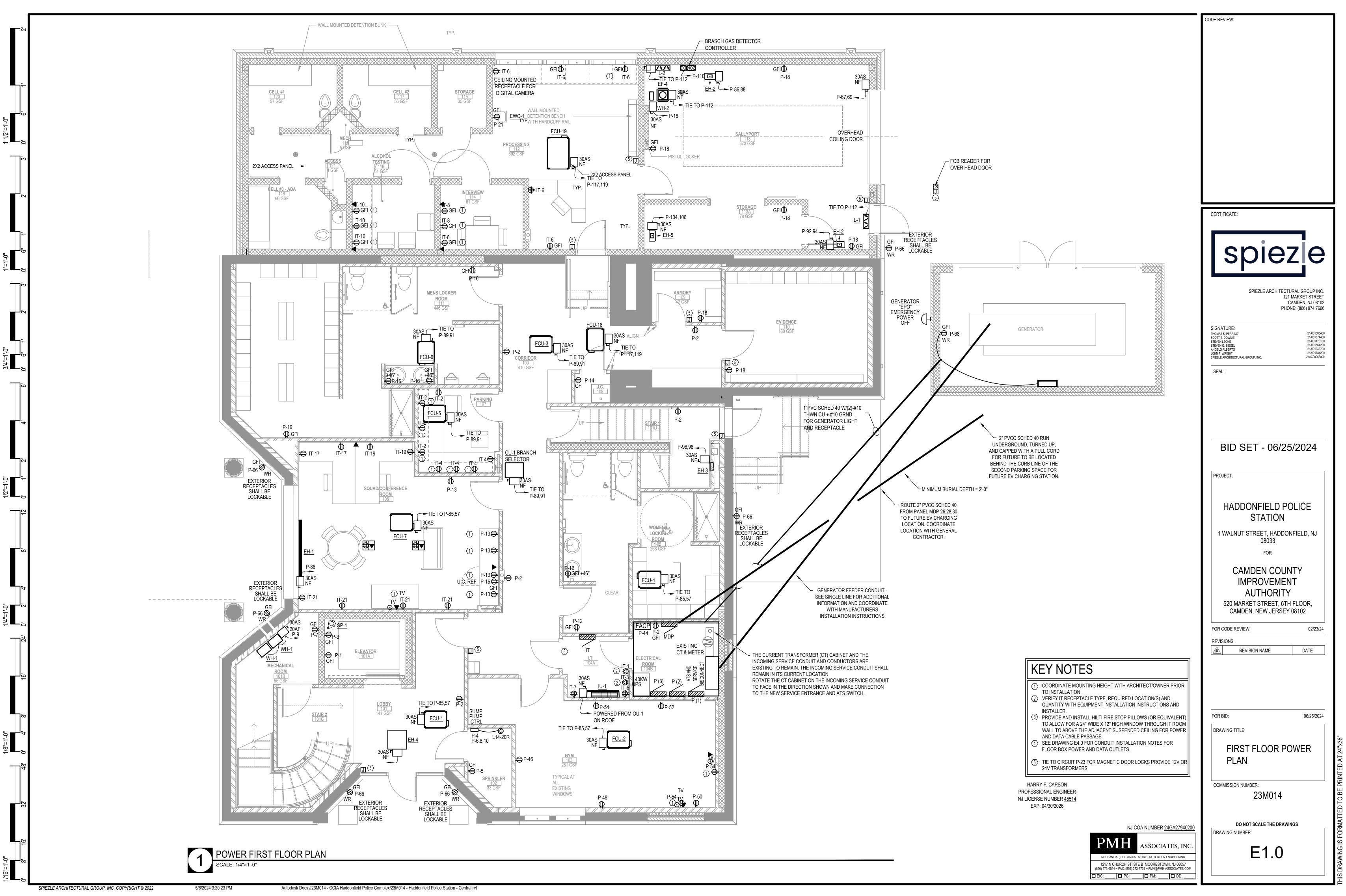
MAKE CONNECTIONS TO ALL FIXTURES INDICATED ON THE PLANS. ALSO CONNECT TO SPARE CONTACT ON THE SITE LIGHTING AND SIGNAGE CONTACTOR FOR CONTROL.

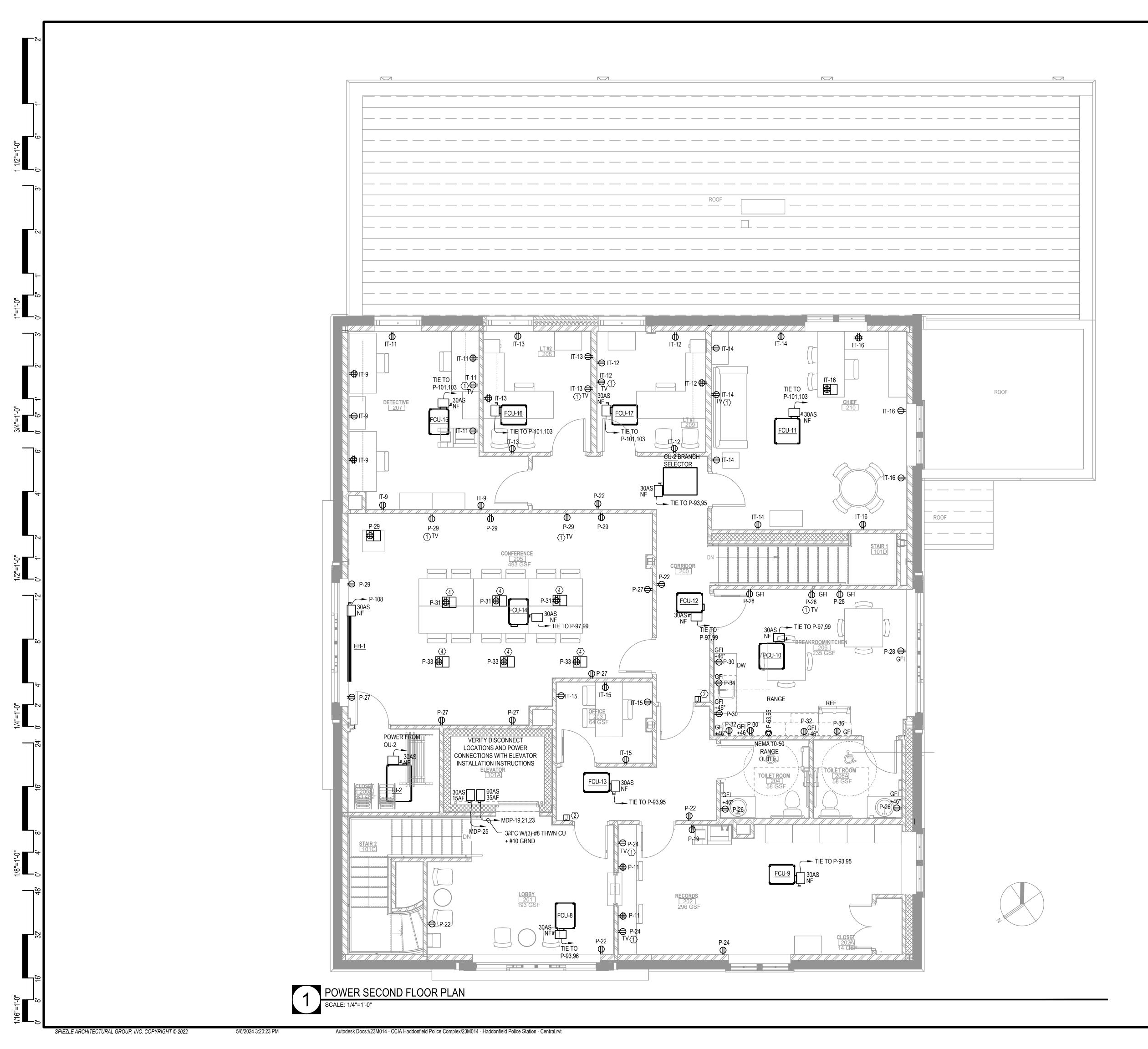
SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENT.

MINIMUM BURIAL DEPTH IN ACCORDANCE WITH NEC ARTICLE 300.5.

HARRY F. CARSON PROFESSIONAL ENGINEER NJ LICENSE NUMBER <u>45514</u> EXP: 04/30/2026







	CODE REVIEW:
	CERTIFICATE:
	spieze
	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET CAMDEN, NJ 08102 PHONE: (866) 974 7666
	SIGNATURE: THOMAS S. PERRINO 21AI01505400 SCOTT E. DOMNIE 21AI01674400
	SCOTT E. DOWNIE 21AI01674400 STEVEN LEONE 21AI0170100 STEVEN G. SIEGEL 21AI01564200 ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200 SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
	SEAL:
]	BID SET - 06/25/2024
HEIGHT WITH ARCHITECT/OWNER PRIOR	PROJECT:
MAGNETIC DOOR LOCKS PROVIDE 12V	
	HADDONFIELD POLICE STATION
	1 WALNUT STREET, HADDONFIELD, NJ 08033
	FOR
	CAMDEN COUNTY IMPROVEMENT
	AUTHORITY 520 MARKET STREET, 6TH FLOOR, CAMPEN NEW JERSEY 08102
	CAMDEN, NEW JERSEY 08102 FOR CODE REVIEW: 02/23/24
	REVISIONS:
	FOR BID: 06/25/2024
	FOR BID: 06/25/2024 DRAWING TITLE:
	SECOND FLOOR POWER PLAN
	COMMISSION NUMBER:
	23M014
NJ COA NUMBER <u>24GA27940200</u>	
PMH Associates, inc.	
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING 1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	E1.1

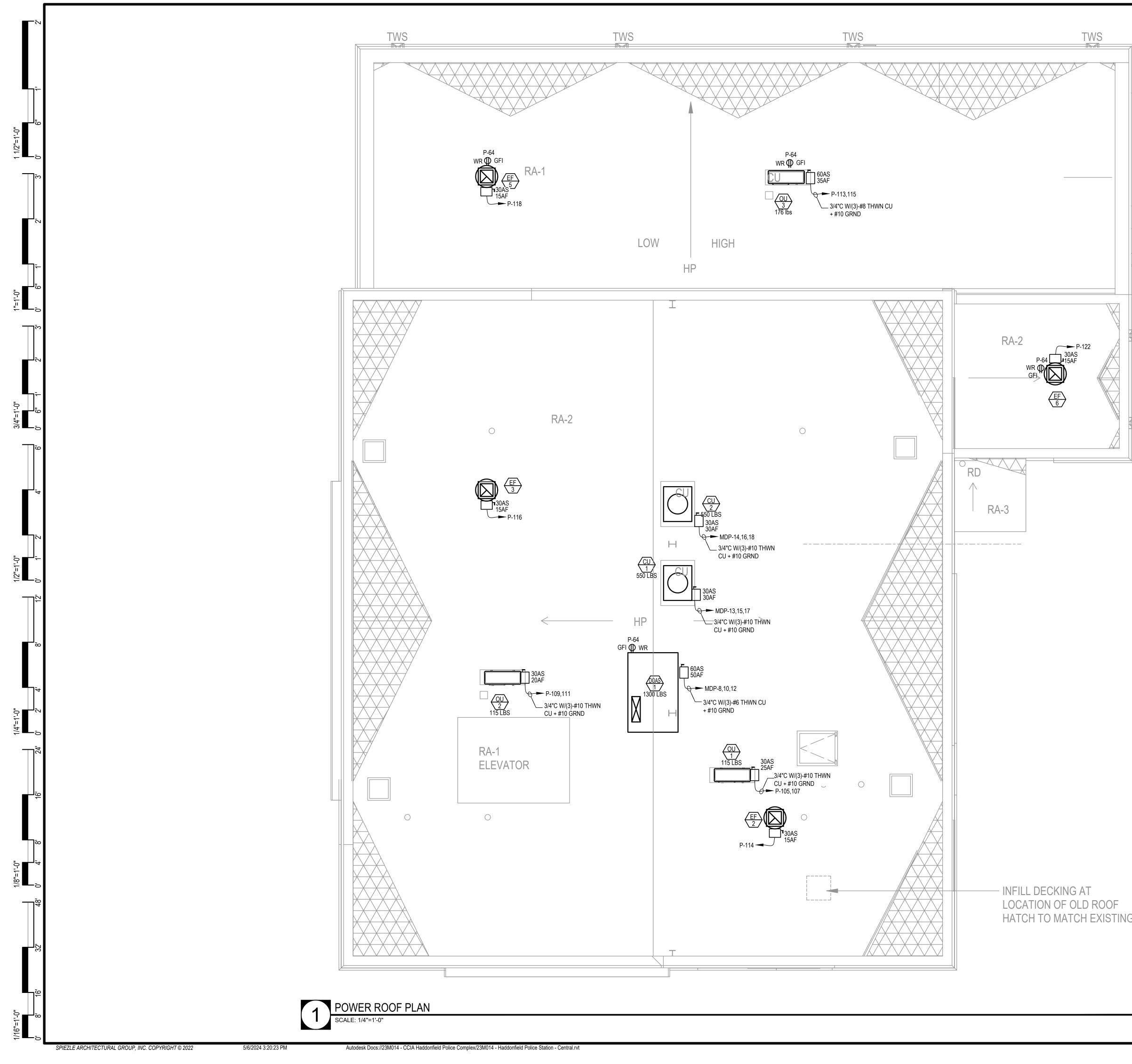
KEY NOTES

(1) COORDINATE MOUNTING HEIGHT WITH ARCHITECT/OW TO INSTALLATION

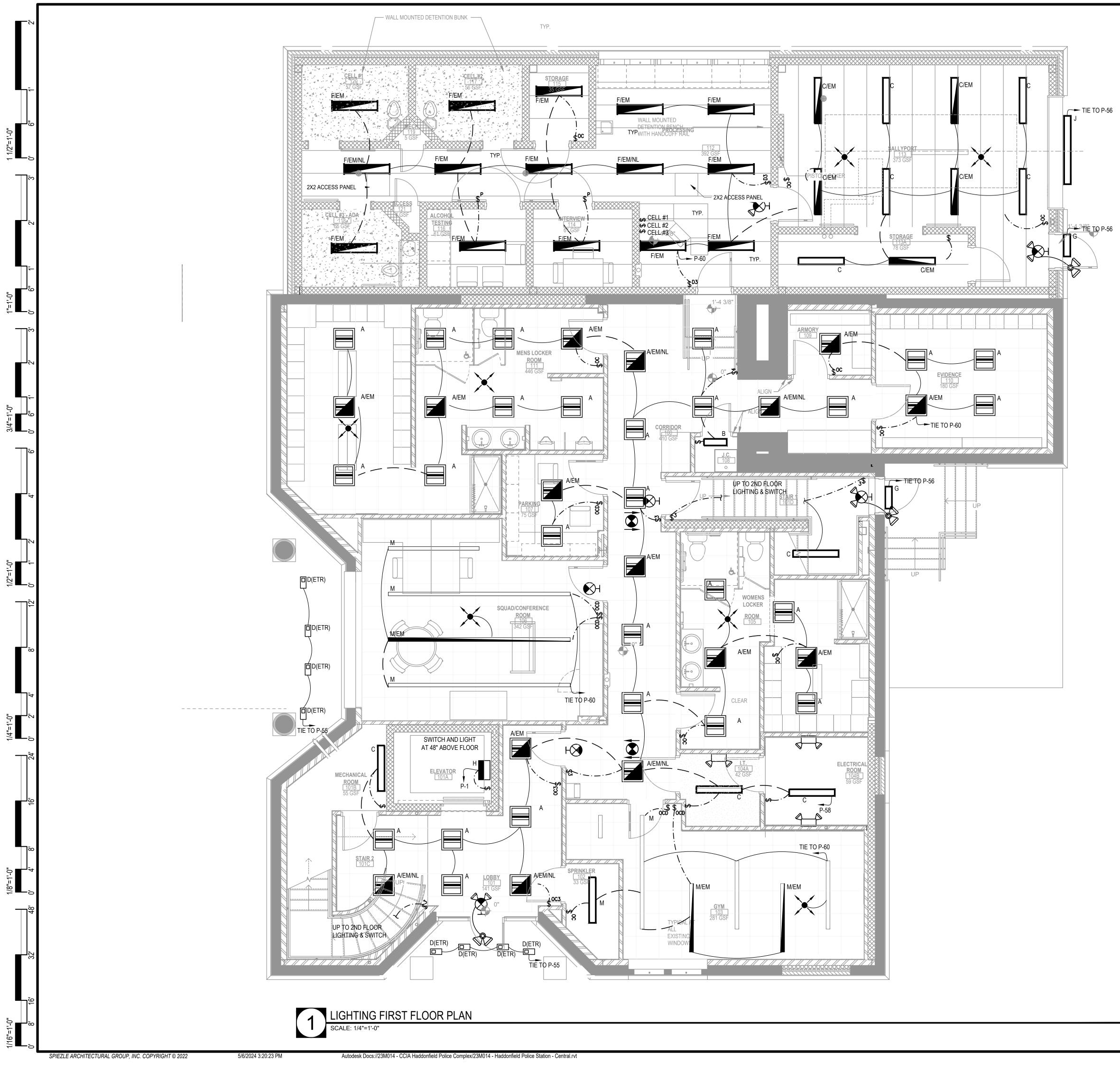
EIC: ____ DC: ___ DM: ___ DD: _

(2) TIE TO CIRCUIT P-23 FOR MAGNETIC DOOR LOCKS PRC OR 24V TRANSFORMERS

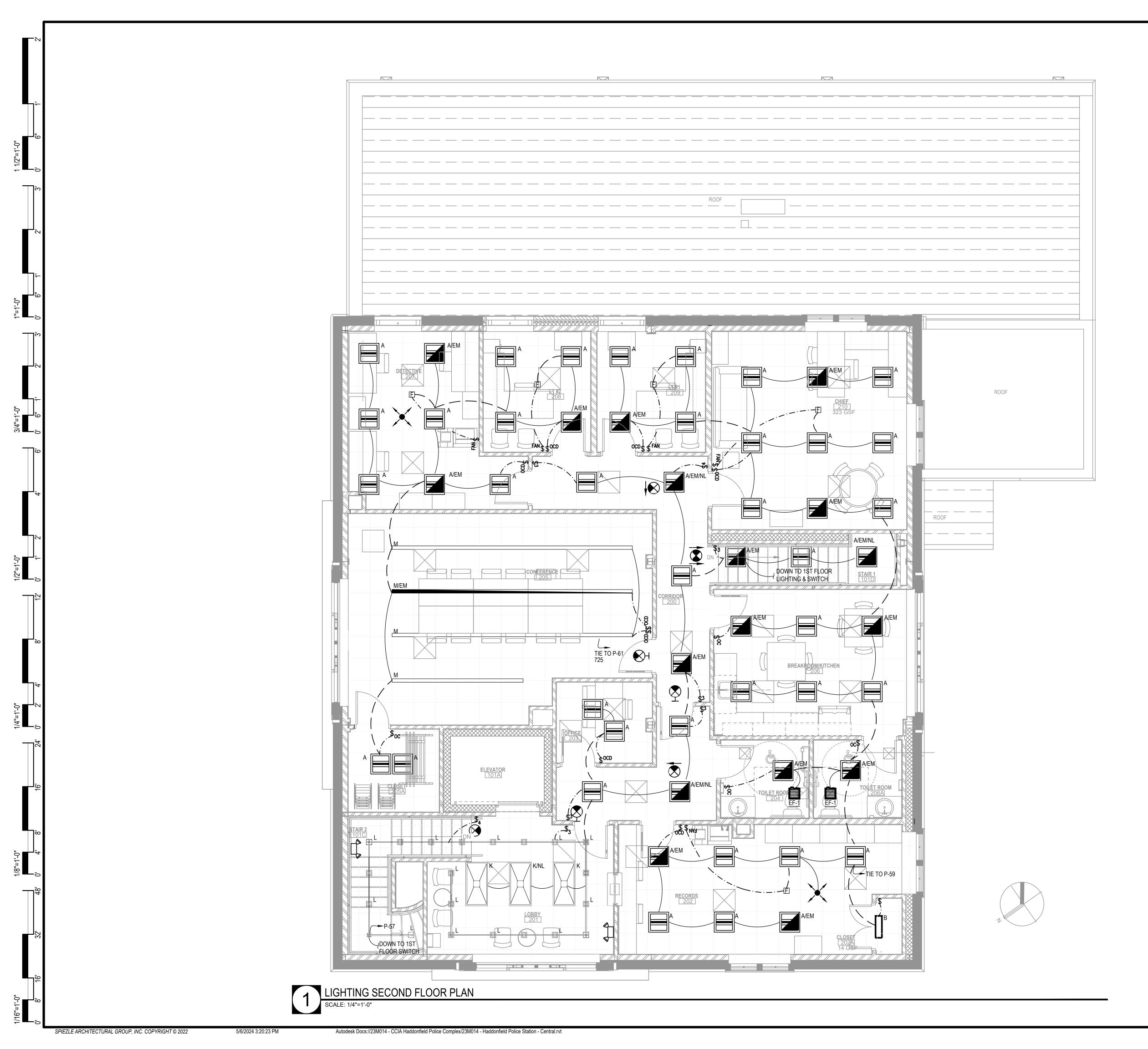
HARRY F. CARSON PROFESSIONAL ENGINEER NJ LICENSE NUMBER <u>45514</u> EXP: 04/30/2026



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TWS	
	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET CAMDEN, NJ 08102 PHONE: (866) 974 7666
	SIGNATURE:
	THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400 STEVEN LEONE 21AI0170100 STEVEN G. SIEGEL 21AI01564200
TWS	ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200 SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
	SEAL:
	BID SET - 06/25/2024
	PROJECT:
	HADDONFIELD POLICE STATION
	1 WALNUT STREET, HADDONFIELD, NJ
	08033 FOR
	CAMDEN COUNTY
	IMPROVEMENT AUTHORITY
	520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24
	REVISIONS:
	FOR BID: 06/25/2024
	ROOF POWER PLAN
G HARRY F. CARSON	COMMISSION NUMBER:
PROFESSIONAL ENGINEER NJ LICENSE NUMBER <u>45514</u> EXP: 04/30/2026	23M014
	DO NOT SCALE THE DRAWINGS
NJ COA NUMBER <u>24GA2794020</u> PMH ASSOCIATES, INC	DRAWING NUMBER:
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING	
1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	

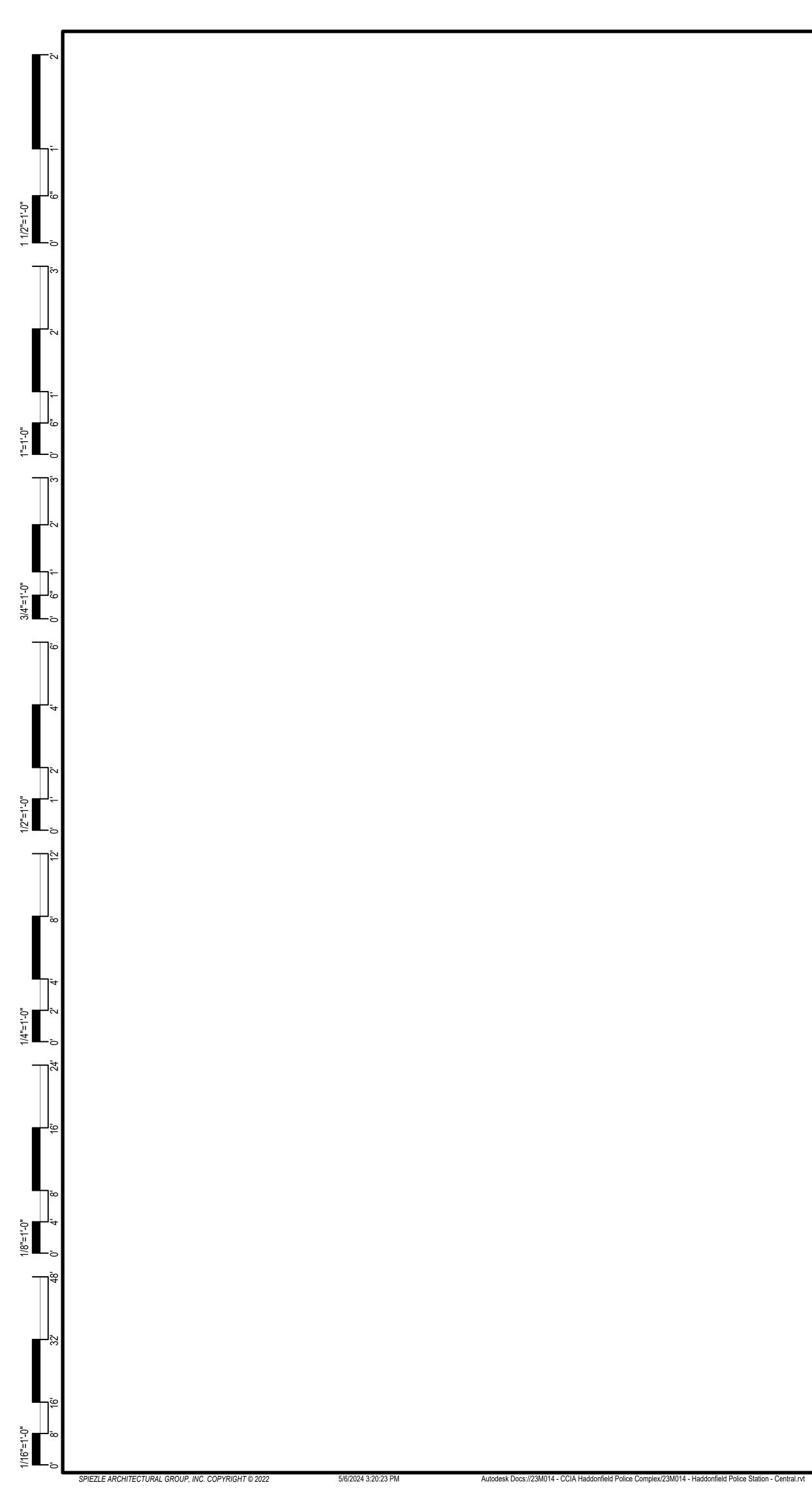


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	spiezle
Sec.	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET CAMDEN, NJ 08102
	CAMDEN, NJ 08102 PHONE: (866) 974 7666
GENERATOR GENERATOR	SIGNATURE: THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400
	STEVEN LEONE 21AI01170100 STEVEN G. SIEGEL 21AI01564200 ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200
	SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000 SEAL:
	BID SET - 06/25/2024
	PROJECT:
	HADDONFIELD POLICE
	STATION 1 WALNUT STREET, HADDONFIELD, NJ
	08033
	CAMDEN COUNTY IMPROVEMENT
	AUTHORITY
	520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24
	REVISIONS:
	FOR BID: 06/25/2024
	FIRST FLOOR LIGHTING PLAN
HARRY F. CARSON PROFESSIONAL ENGINEER NJ LICENSE NUMBER 45514	COMMISSION NUMBER: 23M014
EXP: 04/30/2026	
NJ COA NUMBER <u>24GA27940200</u>	DO NOT SCALE THE DRAWINGS DRAWING NUMBER:
PMH Associates, inc.	E2.0
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING 1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	
EIC: PM: DD:	



CO	DE REVIEW:
	CERTIFICATE:
	loniozio
	spiezle
	SPIEZLE ARCHITECTURAL GROUP INC. 121 MARKET STREET
	CAMDEN, NJ 08102 PHONE: (866) 974 7666
	SIGNATURE: THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400
	STEVEN LEONE 21AI01170100 STEVEN G. SIEGEL 21AI01564200 ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200
	SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000 SEAL:
	JEAL.
	BID SET - 06/25/2024
	PROJECT:
	HADDONFIELD POLICE STATION
	1 WALNUT STREET, HADDONFIELD, NJ
	08033 FOR
	CAMDEN COUNTY IMPROVEMENT
	AUTHORITY
	520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24
	REVISIONS:
	# REVISION NAME DATE
	FOR BID: 06/25/2024
	DRAWING TITLE:
	SECOND FLOOR
	LIGHTING PLAN
	COMMISSION NUMBER:
	23M014
	DO NOT SCALE THE DRAWINGS
NJ COA NUMBER <u>24GA27940200</u> PMH ASSOCIATES, INC.	DRAWING NUMBER:
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING	E2.1
1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	

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REMOTE BATTERY CABINET NOTE

THE FIRE ALARM INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING REMOTE BATTERY CABINET(S) WITH CHARGING CAPABILITY FOR ALL VISABLE AND AUDIBLE DEVICES AND FIRE / SMOKE DAMPERS AS REQUIRED WHEN BATTERY CAPACITY WITHIN THE MAIN FIRE ALARM CONTROL PANEL IS EXCEEDED.

THE ACTUAL NUMBER AND CAPACITY OF THE MAIN AND REMOTE POWER SUPPLIES REQUIRED IS COMENSURATE WITH THE TYPE AND STYLE OF SYSTEM PROPOSED AND INSTALLED BY THIS CONTRACTOR.

THIS CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR ALL REQUIREMENTS FOR ADDITIONAL 120 VOLT BRANCH CIRCUITS AS NECESSARY FOR A COMPLETE FIRE ALARM CONTROL SYSTEM.

FIRE ALARM ELEVATOR NOTES

THE SMOKE DETECTORS LOCATED IN THE ELEVATOR SHAFT(S), ELEVATOR MECHANICAL ROOM(S) AND OUTSIDE EACH ELEVATOR DOOR SHALL BE CONNECTED TO THE ELEVATOR CONTROLLER FOR "PHASE ONE OPERATION".

IF ELEVATOR IS A TRACTION TYPE WITHOUT SPRINKLER COVERAGE IN THE SHAFT THEN A SHUNT TRIP IS NOT REQUIRED.

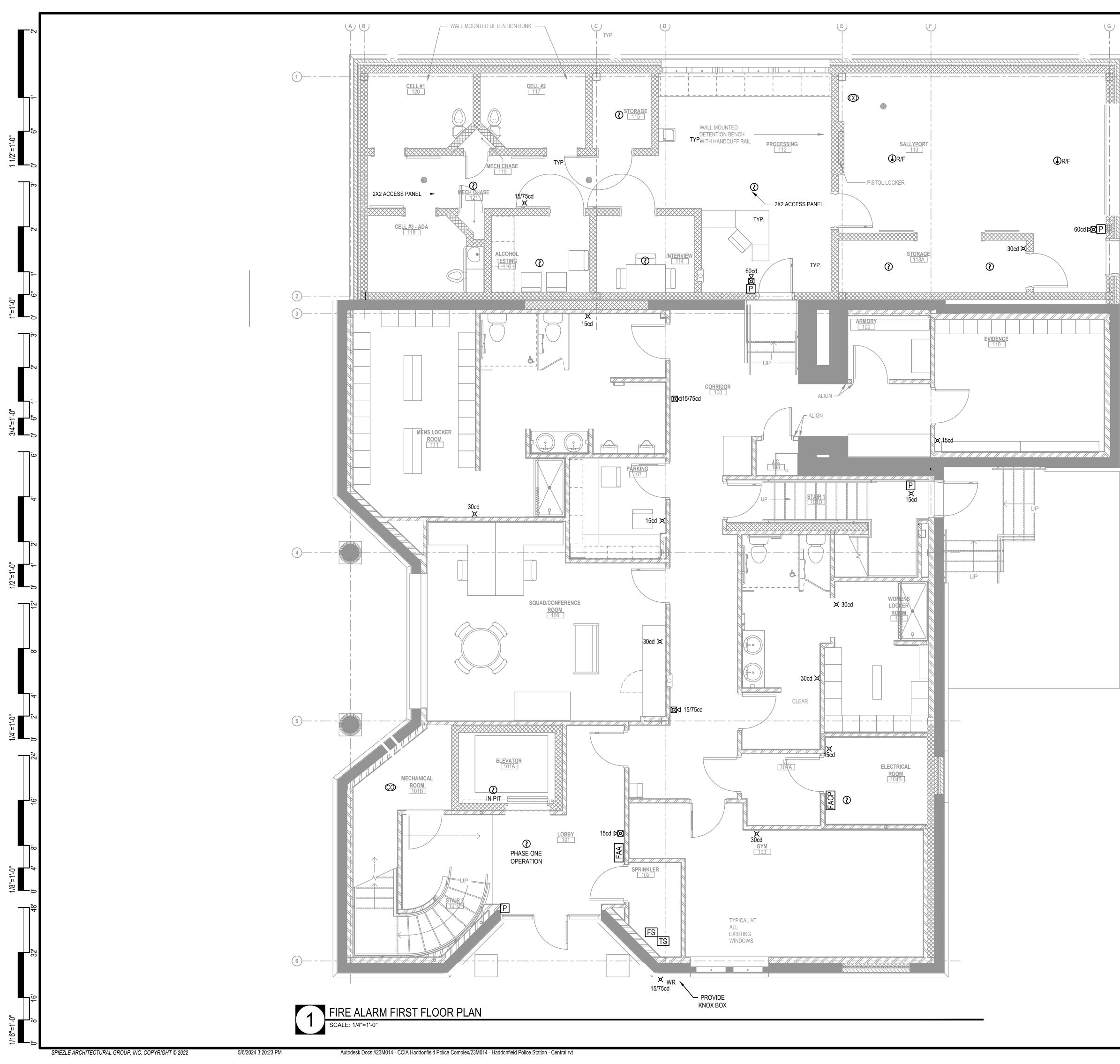
ALL FIRE DETECTION DEVICES SHALL ALSO BE CONNECTED TO THE FACP. COORDINATE ACTUAL ELEVATOR POWER REQUIREMENTS WITH ELEVATOR MANUFACTURER. PROVIDE AND INSTALL APPROPRIATE SIZE SHUNT TRIP CIRCUIT BREAKER AND DISCONNECT(S).

COPS WIRING METHODS NOTE

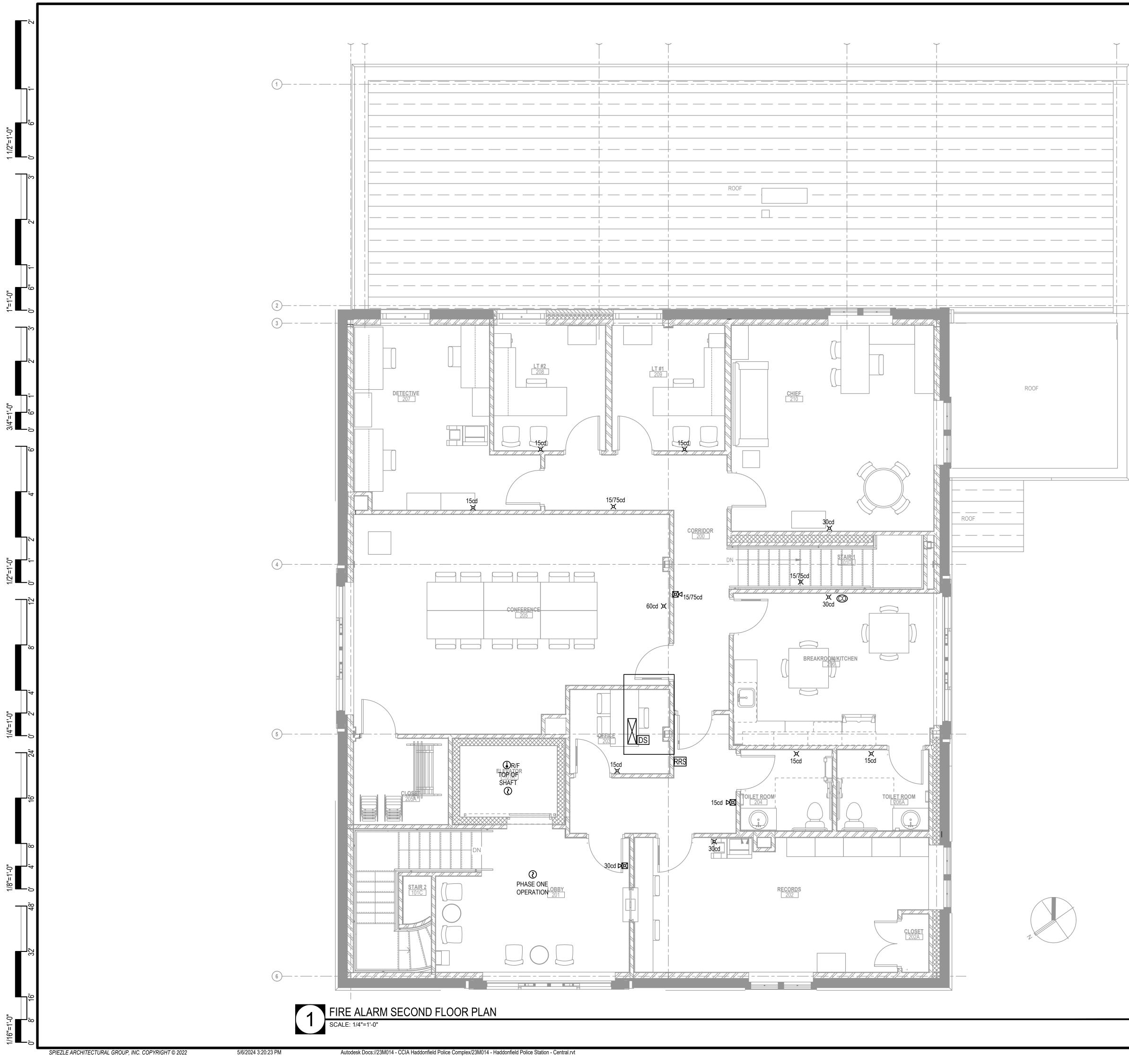
SEE NEC ARTICLE 708.14 FOR PERMITTED WIRING METHODS AND REQUIREMENTS

FIRE ALARM LEGEND	
SYMBOL	DESCRIPTION
0	SYSTEM SMOKE DETECTOR
©	CARBON MONOXIDE DETECTOR
() R/F	COMBINATION FIXED TEMP HEAT AND RATE OF RISE DETECTOR
75 CD ⊠⊄	HORN/STROBE (STROBE LIGHT INTENSITY AS INDICATED) A WEATHER RESISTANT HORN/STROBE SHALL BE LOCATED ABOVE ALL FIRE DEPARTMENT SIAMESE CONNECTIONS.
75 CD X	STROBE ONLY (STROBE LIGHT INTENSITY AS INDICATED)
Р	PULL STATION
FS	FLOW SWITCH
TS	TAMPER SWITCH
DS	DUCT-SMOKE DETECTOR INSTALL IN SUPPLY DUCT WORK
RRS	REMOTE RESET SWITCH LOCATE AS SHOWN ON PLAN
FAA	ANNUNCIATOR - 40 CHARACTER DISPLAY
FACP	FIRE ALARM CONTROL PANEL - BASIS OF DESIGN: SILENT KNIGHT, FIRE-LITE AND NOTIFIER.

,	CODE REVIEW:
FIRE ALARM NOTES	
1. ALL ELECTRICAL WORK SHALL BE IN STRICT ACCORDANCE WITH THE NEW JERSEY UNIFORM CONSTRUCTION CODE, THE NATIONAL ELECTRICAL CODE (NFPA-70), NATIONAL FIRE ALARM CODE (NFPA-72) AND LOCAL ORDINANCES.	
2. THESE DRAWINGS ARE DIAGRAMMATIC AND SPECIFY THE TYPE, RATING AND LOCATION FOR FIRE ALARM DEVICES. THE FIRE ALARM INSTALLER SHALL BE RESPONSIBLE FOR PROVIDING SHOP DRAWINGS BASED ON THESE PLANS. SHOP DRAWINGS SHALL ALSO BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION FOR CONSTRUCTION PERMIT APPROVALS. SHOP DRAWINGS SHALL CONTAIN ALL INFORMATION AS OUTLINED IN THE "INTERNATIONAL BUILDING CODE" SECTION 907 AND AS REQUIRED BY THE PLAN REVIEW OFFICIAL.	
 ONLY NON-PROPRIETARY FIRE ALARM SYSTEMS WILL BE ACCEPTED. ALL PASSWORDS AND ACCESS CODES SHALL BE PROVIDED TO THE OWNER AT COMPLETION OF INSTALLATION. ALL CONDUCTORS SHALL BE COPPER. ALUMINUM WIRE WILL NOT BE ACCEPTED. THE INSTALLATION OF ALL WIRING, CABLE AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE NFPA-70, NATIONAL ELECTRICAL CODE, AND SPECIFICALLY WITH ARTICLE 760, ARTICLE 770, ARTICLE 708.14 AND ARTICLE 800, WHERE APPLICABLE. ALL CIRCUITS SHALL BE MINIMUM WIRE SIZE OF #16 AWG. 	
. IN ACCORDANCE WITH NEC ARTICLE 110.3(B); LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH ANY INSTRUCTIONS INCLUDED IN THE LISTING AND LABELING. EQUIPMENT DOCUMENTATION SHALL BE PRESENTED TO THE INSPECTION	CERTIFICATE:
OFFICIAL. FIRE ALARM CONTROL PANEL AND DEVICE INSTALLATION SHALL COMPLY WITH ICC/ANSI 117A.1 2017 AND ALL OTHER ADA CODES AND REQUIREMENTS.	
PULL STATIONS SHALL BE MOUNTED AT 48"AFF TO THE TOP OF THE BOX. THE PULL LEVER MUST BE LOCATED BELOW 48"AFF.	spiezle
WHICHEVER IS LOWER. ALL STROBES SHALL HAVE A SYNCHRONIZED FLASH. . DETECTORS SHALL NOT BE LOCATED CLOSER THAN (3) FEET FROM VENTILATION REGISTERS.	SPIEZLE ARCHITECTURAL GROUP INC 121 MARKET STREE CAMDEN, NJ 0810
2. IN ACCORDANCE WITH NEC ARTICLES 760.3(A) AND 300.21: THE ACCESSIBE PORTION OF ABANDONED FIRE ALARM CABLES SHALL BE REMOVED AND OPENINGS AROUND ELECTRICAL PENETRATIONS THRU FIRE RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRESTOPPED USING APPROVED METHODS.	PHONE: (866) 974 766
B. IN ACCORDANCE WITH NEC 760.53 FIRE ALARM CIRCUITS SHALL BE IDENTIFIED AT TERMINAL AND JUNCTION LOCATIONS. THE LABEL "FIRE ALARM CIRCUITS OR WIRING" SHALL BE SHALL BE APPLIED.	THOMAS S. PERRINO 21A/015054 SCOTT E. DOWNIE 21A/01701 STEVEN LEONE 21A/01701 STEVEN G. SIEGEL 21A/01701 ANGELO ALBERTO 21A/01707 JOHN F. WRIGHT 21A/01782 SPIEZLE ARCHITECTURAL GROUP, INC. 21A/00630
A. IN ACCORDANCE WITH NFPA 72: 4.4.1.3: THE SUPPLY OF PRIMARY POWER SHALL BE A DEDICATED BRANCH CIRCUIT, THE DEDICATED CIRCUIT AND CONNECTIONS SHALL BE MECHANICALLY PROTECTED, CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT", AND THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.	SEAL:
5. ROOMS OR CLOSETS WHERE THE FIRE ALARM CONTROL UNIT IS INSTALLED SHALL HAVE A PERMANENT LABEL OR PLACARD STATING "FIRE ALARM PANEL" ON THE EXTERIOR OF THE DOOR.	
CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK. DUCT SMOKE DETECTORS ARE NORMALLY REQUIRED IN AIR HANDLING UNITS WITH RATING OF	BID SET - 06/25/2024
2000 CFM OR GREATER. VERIFY REQUIREMENT WITH ENGINEER IF NOT SHOWN. SMOKE DAMPERS AND FIRE / SMOKE COMBINATION DAMPERS SHALL BE CONNECTED TO AND INITIATED BY THE FIRE ALARM CONTROL SYSTEM. INTERIOR DOORS WITH MAGNETIC LOCKS SHALL BE CONNECTED TO AND RELEASED BY THE FIRE ALARM SYSTEM. INCLUDE DAMPER	PROJECT:
AND MAGNETIC DOOR LOCK POWER REQUIREMENTS IN BATTERY CALCULATIONS. AFG - ABOVE FINISHED GRADE UON - UNLESS OTHERWISE NOTED	HADDONFIELD POLICE
ETR - EXISTING TO REMAIN	STATION
	1 WALNUT STREET, HADDONFIELD, NJ 08033 FOR
	CAMDEN COUNTY IMPROVEMENT AUTHORITY 520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/2
	REVISIONS:
	FOR BID: 06/25/2024
	FIRE ALARM NOTES
HARRY F. CARSON PROFESSIONAL ENGINEER	COMMISSION NUMBER: 23M014
NJ LICENSE NUMBER <u>45514</u> EXP: 04/30/2026	
NJ COA NUMBER <u>24GA27940200</u> PMH ASSOCIATES, INC.	DO NOT SCALE THE DRAWINGS DRAWING NUMBER:
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING 1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	E3.0

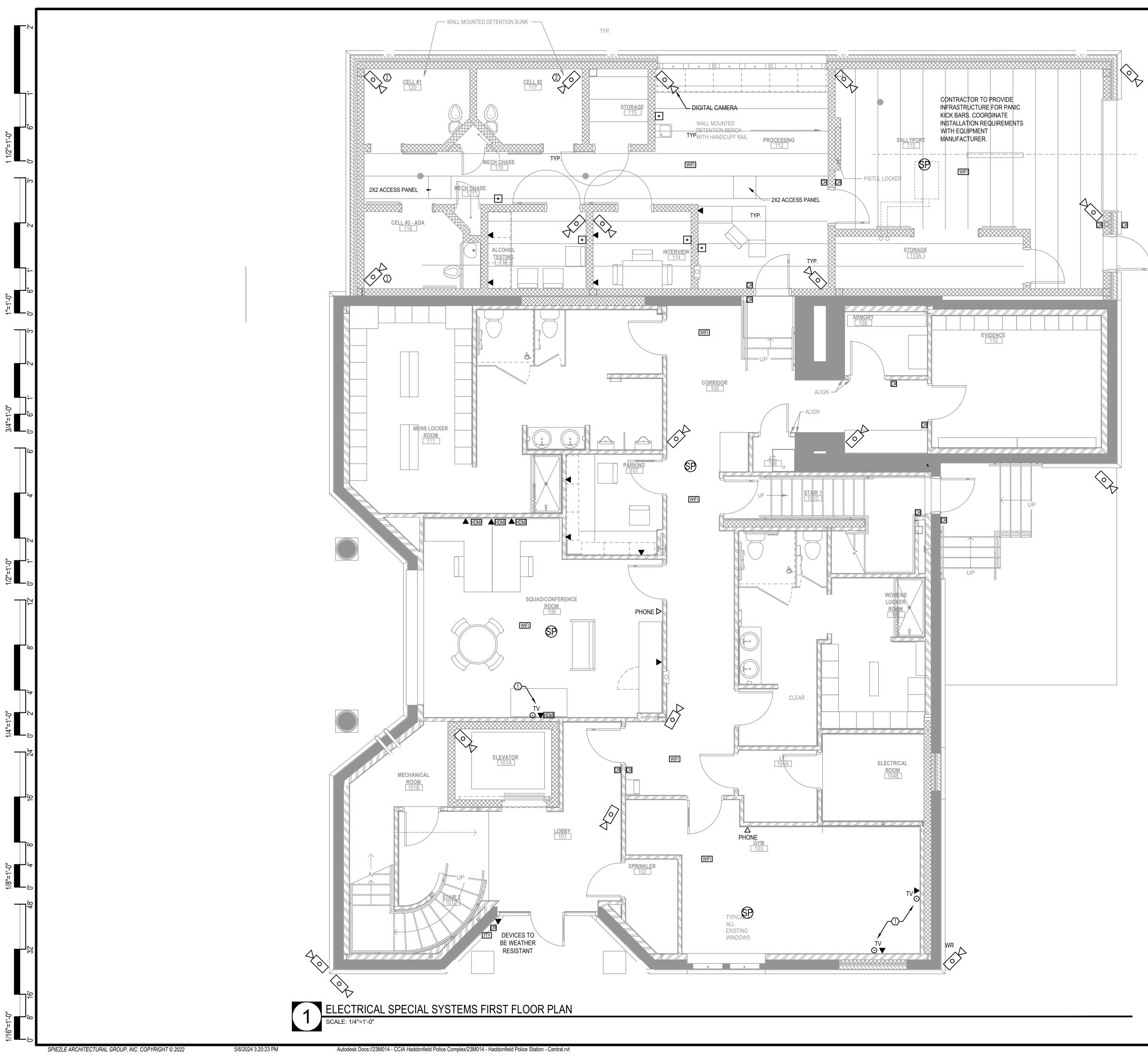


	CODE REVIEW:
	CERTIFICATE:
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	spiezie
	SPIEZLE ARCHITECTURAL GROUP INC.
	121 MARKET STREET CAMDEN, NJ 08102 PHONE: (866) 974 7666
	SIGNATURE:
	THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400 STEVEN LEONE 21AI01170100 STEVEN G. SIEGEL 21AI01564200
	ANGELO ALBERTO 21AI01046700 JOHN F. WRIGHT 21AI01784200 SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
	SEAL:
	BID SET - 06/25/2024
	PROJECT:
	HADDONFIELD POLICE
	STATION
	1 WALNUT STREET, HADDONFIELD, NJ 08033
	FOR
	IMPROVEMENT AUTHORITY
	520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24
	REVISIONS:
	REVISION NAME DATE
	FOR BID: 06/25/2024
	DRAWING TITLE:
	FIRST FLOOR FIRE
	ALARM PLAN
HARRY F. CARSON PROFESSIONAL ENGINEER NJ LICENSE NUMBER 45514	COMMISSION NUMBER:
EXP: 04/30/2026	FIRST FLOOR FIRE ALARM PLAN COMMISSION NUMBER: 23M014 DO NOT SCALE THE DRAWINGS DRAWING NUMBER: E3.1
NJ COA NUMBER <u>24GA27940200</u>	DO NOT SCALE THE DRAWINGS
PMH Associates, inc.	
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING 1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	E3.1
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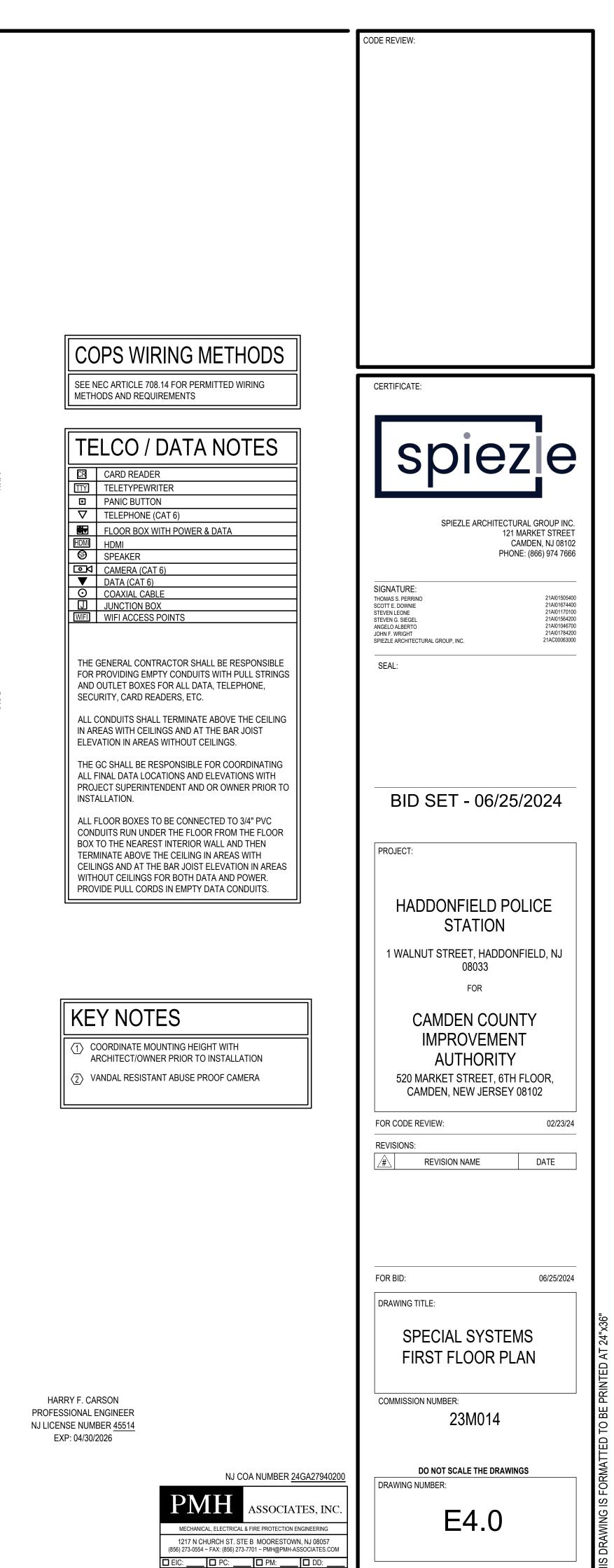


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	spiezle
	SPIEZLE ARCHITECTURAL GROUP INC.
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	SCOTT E. DOWNIE 21A/01674400 STEVEN LEONE 21A/01170100 STEVEN G. SIEGEL 21A/01564200 ANGELO ALBERTO 21A/01046700 JOHN F. WRIGHT 21A/01784200
	SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
	SEAL:
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	PROJECT:
	HADDONFIELD POLICE STATION
	1 WALNUT STREET, HADDONFIELD, NJ 08033 FOR
	CAMDEN COUNTY
	IMPROVEMENT AUTHORITY
	520 MARKET STREET, 6TH FLOOR, CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24
	REVISIONS:
	REVISION NAME DATE
	FOR BID: 06/25/2024
	DRAWING TITLE:
	SECOND FLOOR FIRE ALARM PLANS
	COMMISSION NUMBER: 23M014
NJ COA NUMBER <u>24GA27940200</u>	DO NOT SCALE THE DRAWINGS DRAWING NUMBER:
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING	E3.2
1217 N CHURCH ST. STE B MOORESTOWN, NJ 08057 (856) 273-0554 ~ FAX: (856) 273-7701 ~ PMH@PMH-ASSOCIATES.COM	

HARRY F. CARSON PROFESSIONAL ENGINEER NJ LICENSE NUMBER <u>45514</u> EXP: 04/30/2026







FOB READER FOR OVER HEAD DOOR CR



	CODE REVIEW:
	CERTIFICATE:
TELCO / DATA NOTES	spieze
CARD READER	
ITTY TELETYPEWRITER Image: Description PANIC BUTTON Image: Description Image: Description Image: Descrinted Imag	SPIEZLE ARCHITECTURAL GROUP INC.
FLOOR BOX WITH POWER & DATA	121 MARKET STREET CAMDEN, NJ 08102 PHONE: (866) 974 7666
Image: Speaker Image: CAMERA (CAT 6) Image: Value of the speaker Image: Value of the speaker <t< th=""><th>SIGNATURE:</th></t<>	SIGNATURE:
COAXIAL CABLE JUNCTION BOX WIFI ACCESS POINTS	THOMAS S. PERRINO 21AI01505400 SCOTT E. DOWNIE 21AI01674400 STEVEN LEONE 21AI0170100 STEVEN G. SIEGEL 21AI01564200 ANGELO ALBERTO 21AI01046700
	JOHN F. WRIGHT 21AI01784200 SPIEZLE ARCHITECTURAL GROUP, INC. 21AC00063000
THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING EMPTY CONDUITS WITH PULL STRINGS	SEAL:
AND OUTLET BOXES FOR ALL DATA, TELEPHONE, SECURITY, CARD READERS, ETC.	
ALL CONDUITS SHALL TERMINATE ABOVE THE CEILING IN AREAS WITH CEILINGS AND AT THE BAR JOIST ELEVATION IN AREAS WITHOUT CEILINGS.	
THE GC SHALL BE RESPONSIBLE FOR COORDINATING ALL FINAL DATA LOCATIONS AND ELEVATIONS WITH	
PROJECT SUPERINTENDENT AND OR OWNER PRIOR TO INSTALLATION.	BID SET - 06/25/2024
ALL FLOOR BOXES TO BE CONNECTED TO 3/4" PVC CONDUITS RUN UNDER THE FLOOR FROM THE FLOOR BOX TO THE NEAREST INTERIOR WALL AND THEN	PROJECT:
TERMINATE ABOVE THE CEILING IN AREAS WITH CEILINGS AND AT THE BAR JOIST ELEVATION IN AREAS WITHOUT CEILINGS FOR BOTH DATA AND POWER.	
PROVIDE PULL CORDS IN EMPTY DATA CONDUITS.	HADDONFIELD POLICE
	1 WALNUT STREET, HADDONFIELD, NJ
	08033
KEY NOTES	CAMDEN COUNTY IMPROVEMENT
(1) COORDINATE MOUNTING HEIGHT WITH ARCHITECT/OWNER PRIOR TO INSTALLATION	AUTHORITY 520 MARKET STREET, 6TH FLOOR,
	CAMDEN, NEW JERSEY 08102
	FOR CODE REVIEW: 02/23/24 REVISIONS:
	REVISION NAME DATE
	FOR BID: 06/25/2024
	DRAWING TITLE:
	SPECIAL SYSTEMS
	SECOND FLOOR PLAN
Y F. CARSON	COMMISSION NUMBER:
ONAL ENGINEER E NUMBER <u>45514</u> 04/30/2026	23M014
	DO NOT SCALE THE DRAWINGS
NJ COA NUMBER <u>24GA27940200</u> PINH ASSOCIATES, INC.	DRAWING NUMBER:
MECHANICAL, ELECTRICAL & FIRE PROTECTION ENGINEERING	E4.1
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