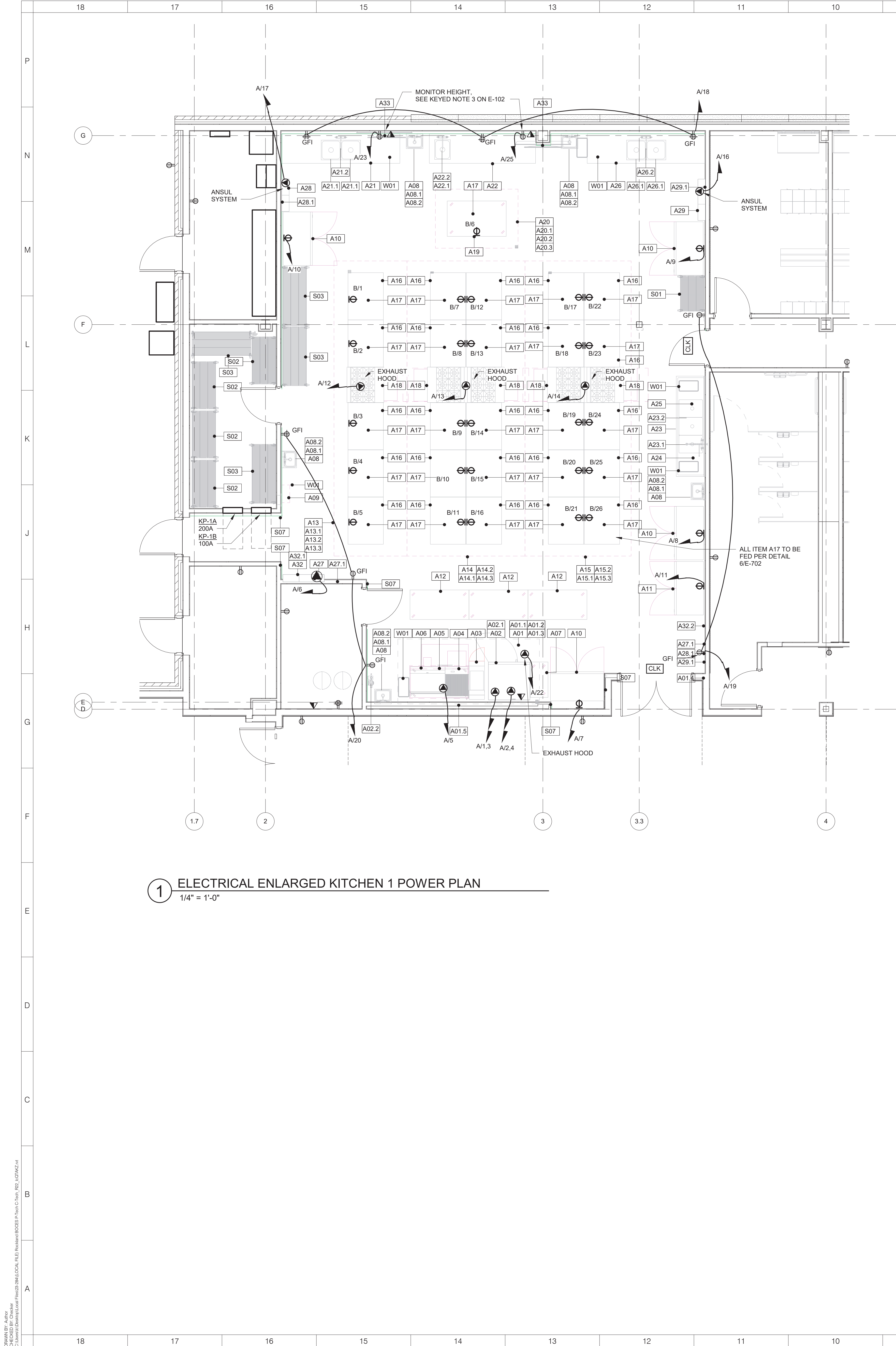


PROJECT NUMBER: 845-627-4700

BID SET



1 ELECTRICAL ENLARGED KITCHEN 1 POWER PLAN
1/4" = 1'-0"

23-284 ROCKLAND BOCES CTECH RATING: 208/120V, 4W, 3PH, 100A					KP-1A								LOCATION: KITCHEN#1		
CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.	
1	(A02) DOUBLE-STACK GAS COMBI OVEN	2	0.5	15	3#12 & 1#12G IN 3/4"C	0.9	0.9		3#12 & 1#12G IN 3/4"C	15	0.5	2	(A02.1) ADDITIONAL UTILITY INFORMATION FOR TOP	2	
5	(A04) REFRIGERATED EQUIPMENT STAND	1	0.4	15	2#12 & 1#12G IN 3/4"C			0.5	2#12 & 1#12G IN 3/4"C	15	0.1	1	(A32) FAN CONTROL SYSTEM	6	
7	(A10) REACH-IN REFRIGERATOR	1	0.5	15	2#12 & 1#12G IN 3/4"C	1.0			2#12 & 1#12G IN 3/4"C	15	0.5	1	(A10) REACH-IN REFRIGERATOR	8	
9	(A10) REACH-IN REFRIGERATOR	1	0.5	15	2#12 & 1#12G IN 3/4"C		1.0		2#12 & 1#12G IN 3/4"C	15	0.5	1	(A10) REACH-IN REFRIGERATOR	10	
11	(A11) REACH-IN FREEZER	1	0.5	15	2#12 & 1#12G IN 3/4"C			0.9	2#12 & 1#12G IN 3/4"C	20	0.4	1	(A13) EXHAUST HOOD	12	
13	(A14) EXHAUST HOOD	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	(A15) EXHAUST HOOD	14	
15	(A20) EXHAUST HOOD	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.4		2#12 & 1#12G IN 3/4"C	20	0.0	1	(A29) ANSUL SYSTEM	16	
17	(A28) ANSUL SYSTEM	1	0.0	20	2#12 & 1#12G IN 3/4"C			0.4	2#12 & 1#12G IN 3/4"C	20	0.4	1	RECEPTACLES	18	
19	RECEPTACLES	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	RECEPTACLES	20	
21	RECEPTACLES	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	(A01) EXHAUST HOOD	22	
23	MONITOR	1	0.1	20	2#12 & 1#12G IN 3/4"C			0.1		20		1	SPARE	24	
25	MONITOR	1	0.1	20	2#12 & 1#12G IN 3/4"C	0.1				20		1	SPARE	26	
27	SPARE	1		20			0.0			20		1	SPARE	28	
29	SPARE	1		20				0.0		20		1	SPARE	30	
TOTAL (PHASE):						3.6	3.1	1.9							
ENCLOSURE: NEMA 1						SPARE CAPACITY76.1 % DEMAND FACTOR100 %									
MOUNTING: FLUSH															
MAIN CIRCUIT BREAKER: 100A															
INTERRUPTING RATING: 22KA SYM.															
FED FROM: TRANSFORMER															
NOTES															
1. ALL BUSING TO BE COPPER															
2. BOLT ON BREAKERS ONLY															
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE															

23-284 ROCKLAND BOCES CTECH RATING: 208/120V, 4W, 3PH, 225A						KP-1B							LOCATION: KITCHEN #1		
CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.	
1	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	2	
3	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	4	
5	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	6	
7	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	8	
9	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	10	
11	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	12	
13	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	14	
15	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	16	
17	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	18	
19	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	20	
21	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	22	
23	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	24	
25	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	1.8				20		1	SPARE	26	
27	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		1.8			20		1	SPARE	28	
29	SPARE	1		20	2#12 & 1#12G IN 3/4"C			0.0		20		1	SPARE	30	
TOTAL (PHASE):						16.2	16.2	14.4							
ENCLOSURE: NEMA 1															
MOUNTING: FLUSH															
MAIN CIRCUIT BREAKER: 200A WITH SHUNT TRIP															
INTERRUPTING RATING: 22KA SYM.															
FED FROM: TRANSFORMER															
						SPARE CAPACITY 35.0 %									
						DEMAND FACTOR 100 %									
						</									

ksqdesign
KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
New York, NY 10018
646-435-0860 office
www.ksq.design

Owner
ROCKLAND BOCES
65 Parrot Rd.
West Nyack, NY 10994
845-627-4700 office
www.rocklandboces.org

Civil & MEP Engineer
Fellenzer Engineering LLP
22 Mulberry Street, Suite 2A
Middletown, NY 10940
845-343-1481 office
www.fellp.com
FE #: 23-284

Structural Engineer
GACE CONSULTING ENGINEERS
148 Madison Avenue, Fourth Floor
New York, NY 11735
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:
ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:
ARRIS CONTRACTING COMPANY, Inc.
188 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arrriscontracting.com

JOHN D. FELLENZER, P.E.

NY PROFESSIONAL ENGINEER
NO. 16937-A-1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES
P-TECH C-TEC
BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ELECTRICAL ENLARGED KITCHEN 1 POWER PLAN
SHEET NUMBER:

E-104

23-294 ROCKLAND BOCES CTECH										LOCATION: 118H BREAKFAST / LUNCH SERVICE									
RATING: 208/120V, 4W, 3PH, 100A																			
CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.					
1	(G07) CounterTop Bkfl Coffee Brewer	3	3.6	40	4#8 & 1#10G IN 1" C				2#10 & 1#12G IN 3/4" C	30	2.0	1	(J03) 3-Wel Hot Food Station	2					
3			3.6				5.4		2#12 & 1#12G IN 3/4" C	20	1.8	1	(J07) Mobile Heated Holding Cabinet	4					
5			3.6					5.4	2#12 & 1#12G IN 3/4" C	20	1.8	1	(J07) Mobile Heated Holding Cabinet	6					
9	(J02) Mobile Heated Holding Cabinet	1	1.8	20	2#12 & 1#12G IN 3/4" C	1.0			2#12 & 1#12G IN 3/4" C	20	1	1	SERVING LINE RECEPT	8					
9	(J07) Mobile Heated Holding Cabinet	1	1.8	20	2#12 & 1#12G IN 3/4" C		1.8		2#12 & 1#12G IN 3/4" C	20	1	1	SERVING LINE RECEPT	10					
11	(J01) Milk Cooler	1	0.4	20	2#12 & 1#12G IN 3/4" C			0.4	2#12 & 1#12G IN 3/4" C	20	1	1	BREAKFAST/LUNCH SERVICE RECEPT	12					
13	(J03) 3-Wel Hot Food Station	1	2.0	30	2#10 & 1#10G IN 3/4" C				2#12 & 1#12G IN 3/4" C	20	1	1	KITCHEN WALL RECEPT	14					
17	(J02) Ice Machine	1	1.3	20	2#12 & 1#12G IN 3/4" C	1.0	1.3		2#12 & 1#12G IN 3/4" C	20	1	1	WALK IN LIGHTS	16					
17	KITCHEN WALL RECEPT	1	20	2#12 & 1#12G IN 3/4" C			0.0		2#12 & 1#12G IN 3/4" C	20	1	1	(J09) Power Pole	18					
19	(J09) Power Pole	1	20	2#12 & 1#12G IN 3/4" C		0.0			2#12 & 1#12G IN 3/4" C	20	1	1	(J09) Power Pole	20					
21	SPARE	1	20				0.0		20	1	1	SPARE	22						
23	SPARE	1	20					0.0	20	1	1	SPARE	24						
25	SPARE	1	20				0.0		20	1	1	SPARE	26						
27	SPARE	1	20					0.0	20	1	1	SPARE	28						
29	SPARE	1	20					0.0	20	1	1	SPARE	30						
TOTAL (PHASE)						9.4	8.4	5.7											
ENCLOSURE: NEMA 1										SPARE CAPACITY		34.4 %							
MOUNTING: FLUSH										DEMAND FACTOR		100 %							
MAIN LUGS ON ONLY																			
INTERUPTING RATING: 22KA SYM.																			
FED FROM: KP-2A																			
						TOTAL CONN.:		23.6 KVA											
						TOT CONN + SPARE:		36.0 KVA											
						DEMAND:		23.6 KVA											
						DEMAND:		65.6 AMPS											

NOTES

1. ALL BUSING TO BE COPPER

2. BOLT ON BREAKERS ONLY

3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

E-105



23-284 ROCKLAND BOCES CTECH RATING: 208/120V, 4W, 3PH, 100A														KP-3B										LOCATION: KITCHEN#3	
CCT NO	DESCRIPTION	POLE	LOAD KVA	BKR	BRANCH CIRCUIT	CIRCUIT			BRANCH CIRCUIT	BKR	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CCT NO											
						A	B	C																	
1	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"	3.6			2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	2											
3	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"		3.6		2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	4											
5	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"			3.6	2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	6											
7	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"	3.6			2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	8											
9	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"		3.6		2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	10											
11	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"			3.6	2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	12											
13	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"	3.6			2#12 & 1#12G IN 3/4"	20	1.8	1	(B06) Countertop Induction Range	14											
15	SPARE	1	20				0.0			20		1	SPARE	16											
17	SPARE	1	20					0.0		20		1	SPARE	18											
19	SPARE	1	20							20		1	SPARE	20											
21	SPARE	1	20					0.0		20		1	SPARE	22											
TOTAL (PHASE):						10.8	7.2	7.2	SPARE CAPACITY 30.0 %																
						TOTAL CONN.: 25.2 KVA				DEMAND FACTOR 100 %															
						TOT. CONN. + SPARE: 36.0 KVA																			
						DEMAND: 25.2 KVA																			
						DEMAND: 70.0 AMPS																			

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 100A WITH SHUNT TRIP
INTERRUPTING RATING: 22KA SYM.
FED FROM: TRANSFORMER

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

JOHN D. FELLENER, P.E.



NY PROFESSIONAL ENGINEER
NO. 069373-1
ISSUED 1982; EXP. 9/25

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**ROCKLAND BOCES
P-TECH C-TEC
BUILDING**

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

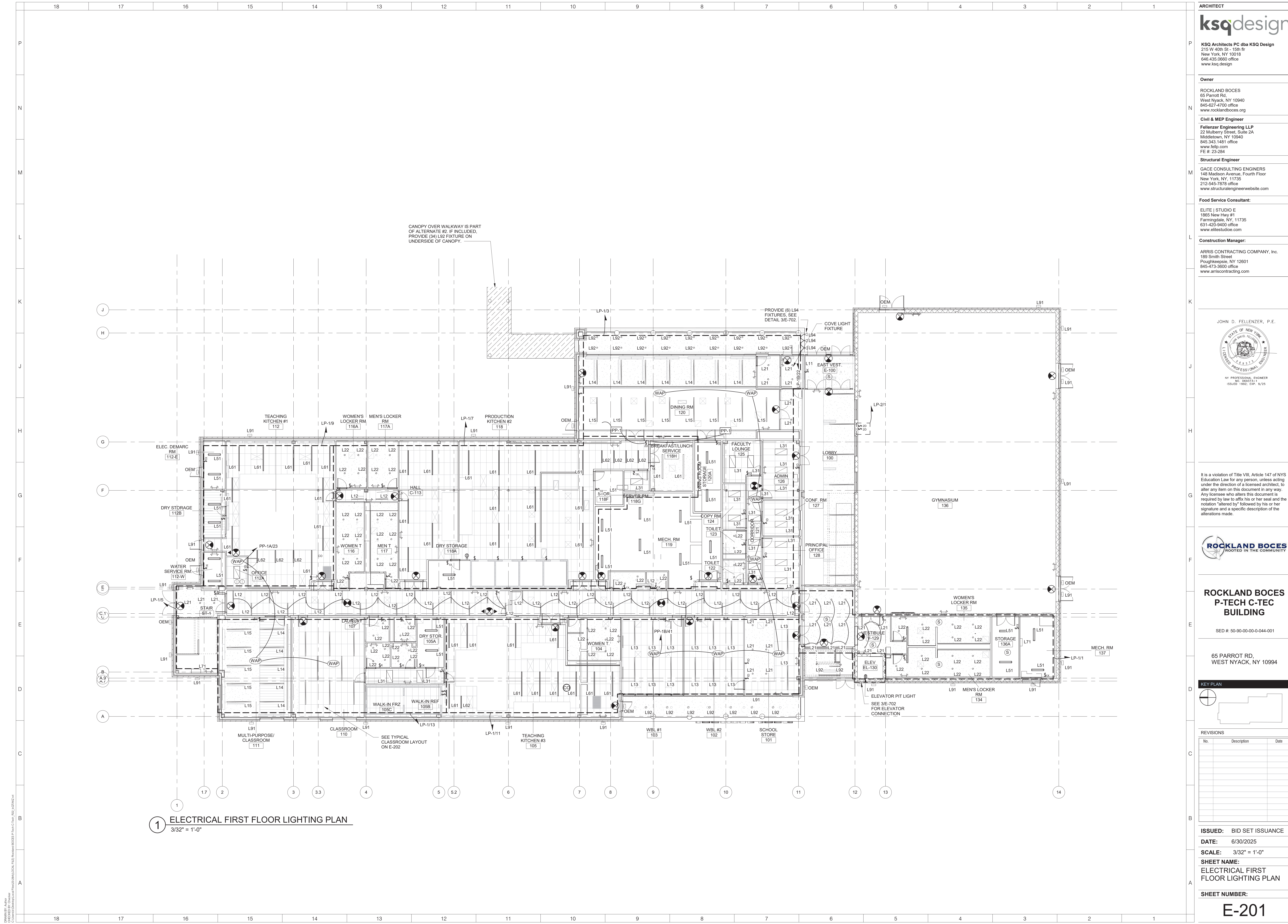
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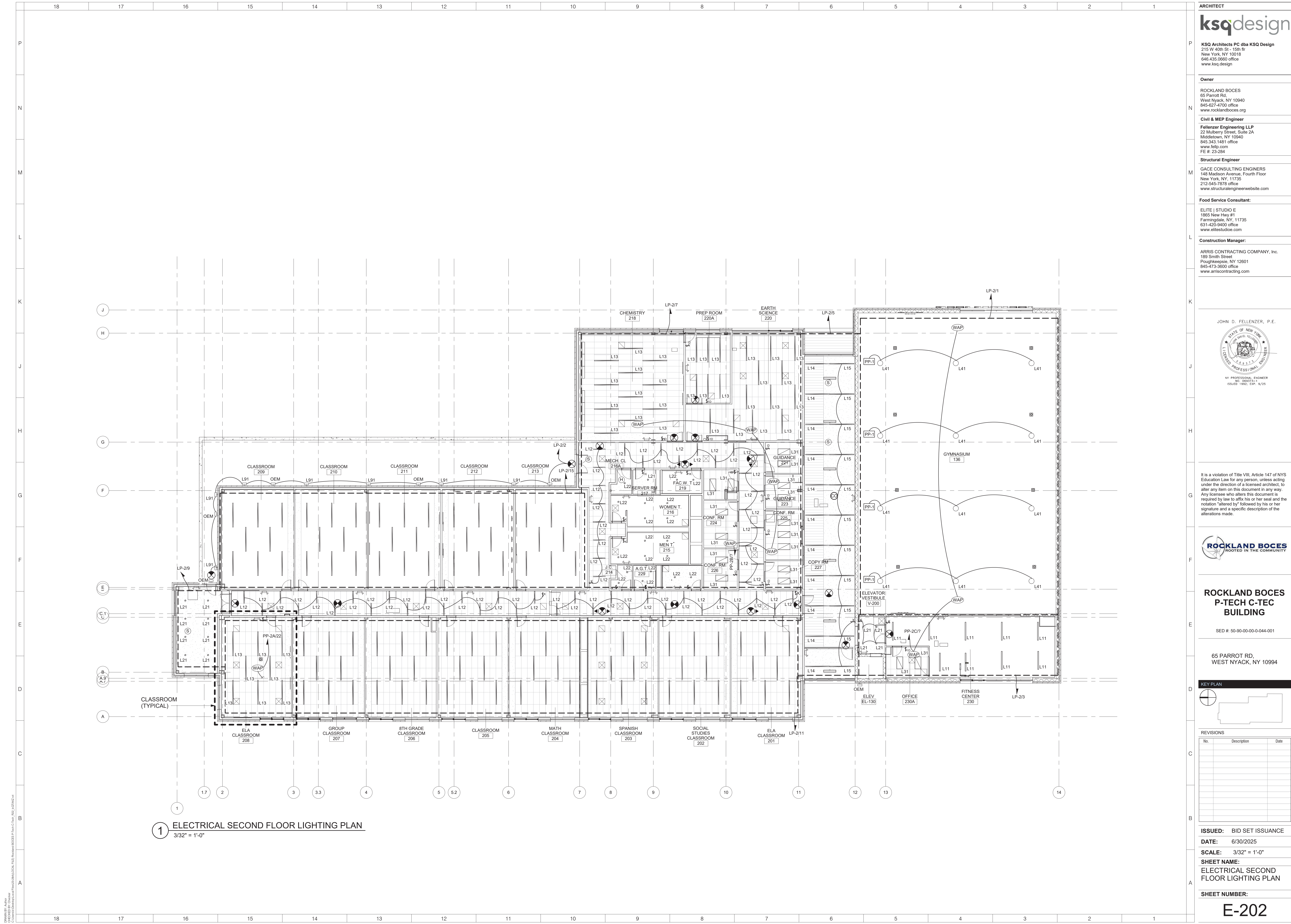
ISSUED: BID SET ISSUANCE

DATE: 6/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
ELECTRICAL ENLARGED
KITCHEN 3 POWER PLAN





ARCHITECT
ksqdesign
215 W 40th St - 15th flr
New York, NY 10018
646.435.0660 office
www.ksqdesign.com

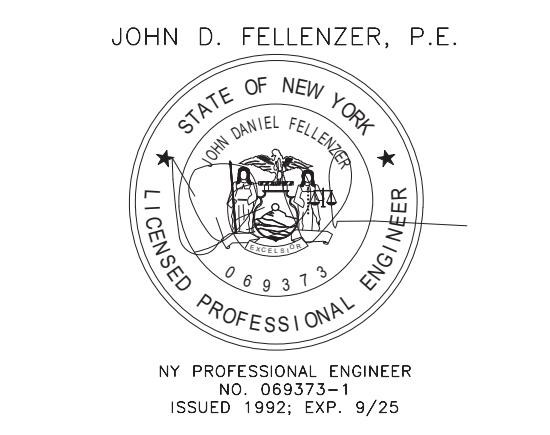
Owner
ROCKLAND BOCES
65 Parrot Rd.
West Nyack, NY 10940
845-627-4700 office
www.rocklandboces.org

Civil & MEP Engineer
Fellenzer Engineering LLP
22 Mulberry Street, Suite 2A
Middletown, NY 10940
845.343.1481 office
www.fellp.com
FE # 23-284

Structural Engineer
GACE CONSULTING ENGINEERS
148 Madison Avenue, Fourth Floor
New York, NY 11735
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:
ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:
ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arrriscontracting.com



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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

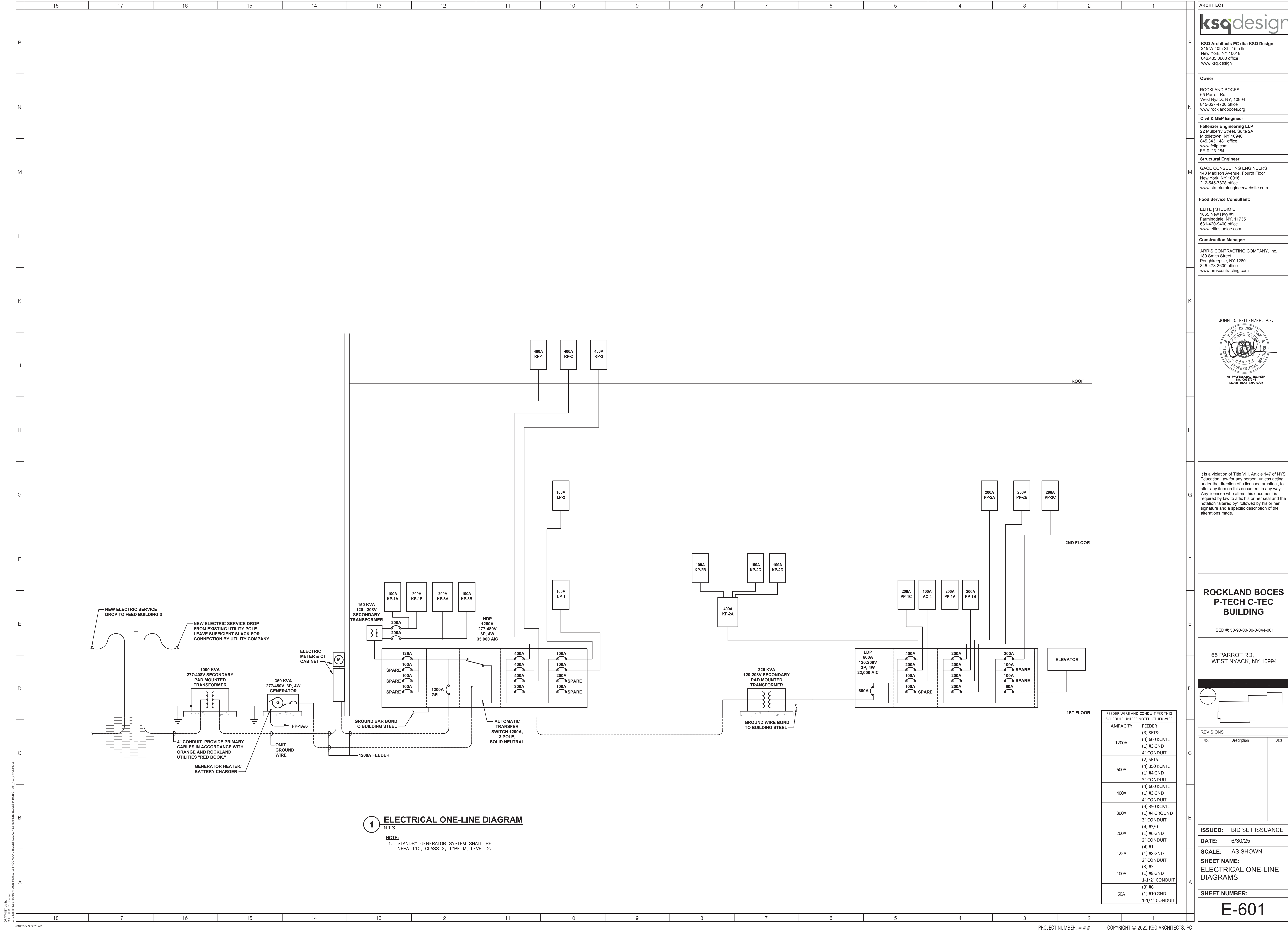
65 PARROT RD,
WEST NYACK, NY 10994



REVISIONS		
No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME:
ELECTRICAL SECOND
FLOOR LIGHTING PLAN
SHEET NUMBER:

E-202



ARCHITECT

ksqdesign

KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
New York, NY 10018
646.435.0600 office
www.ksq.design

Owner

ROCKLAND BOCES
65 Parrot Rd.
West Nyack, NY, 10994
845-627-4700 office
www.rocklandboces.org

Civil & MEP Engineer

Fellenzer Engineering LLP
22 Mulberry Street, Suite 2A
Middletown, NY 10940
845.343.1481 office
www.felip.com
FE # 23-284

Structural Engineer

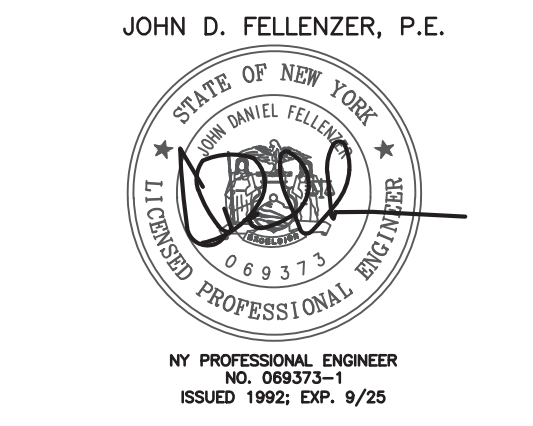
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148 Madison Avenue, Fourth Floor
New York, NY 10016
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:

ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

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Poughkeepsie, NY 12601
845-473-3600 office
www.arrriscontracting.com

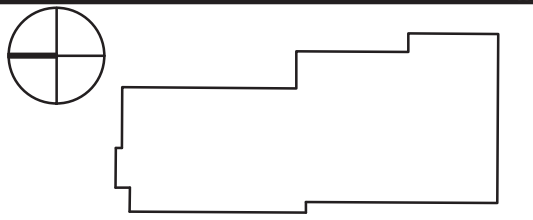


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**ROCKLAND BOCES
P-TECH C-TEC
BUILDING**

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: ELECTRICAL ONE-LINE DIAGRAMS
SHEET NUMBER:

BID SET

[illegible]