JOB NAME: PFKI
RATING: 208/120V, 4W, 3PH, 400A

MDP
(EXISTING)

LOCATION: BOILER ROOM

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1						0.0							SPACE	2
3	**SPACE**						0.0							4
5								0.4	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.4**	**1**	**EF-5**	6
7						5.6					**5.6**			8
9	**SPACE**						5.1		**4#6 & 1#10EG IN 1-1/4"C**	60	**5.1**	3	PANEL BLPP (EXISTING)	10
11								4.9			**4.9**			12
13			**7.4**			7.4								14
15	PANEL LP (EXISTING)	3	**7.2**	100	**4#2 & 1#8EG IN 2"C**		7.2						**SPACE**	16
17			**8.3**					8.3						18
19			**26.5**			50.1					**23.6**			20
21	PANEL PP (EXISTING)	3	**25.4**	150	**4#1/0 & 1#6EG IN 2-1/2"C**		46.2		**4#1/0 & 1#6EG IN 2-1/2"C**	150	**20.8**	3	PANEL KLPP (EXISTING)	22
23			**25.3**					47.5			**22.2**			24
25														26
27	MAIN BREAKER (FULL PANEL WIDTH)	3		400	**4#500 MCM & 1#1/0EG IN 4"C**				**4#500 MCM & 1#1/0EG IN 4"C**	400		3	MAIN BREAKER (FULL PANEL WIDTH)	28
29														30
31	SPACE						0.0						SPACE	32
33								0.0						34
					TOTAL (PHASE):	63.1	58.5	61.1						

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 400A
INTERRUPTING RATING: 65KA SYM.
FED FROM: MAIN SWITCHGEAR

TOTAL CONN.:	182.7	KVA
TOT. CONN. + SPARE:	182.7	KVA
DEMAND:	140.0	KVA
DEMAND:	389.1	AMPS

SPARE CAPACITY 0 %
DEMAND FACTOR 76.65 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SHORT CIRCUIT RATING AT THE UTILITY TRANSFORMER AND NOTIFY THE ENGINEER PRIOR TO PURCHASING ANY EQUIPMENT.
4. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE.

JOB NAME: PFKI
RATING: 208/120V, 4W, 3PH, 100A

LP
(EXISTING)

LOCATION: BOILER ROOM

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	**KITCHEN LIGHTING**	**1**	**0.9**	**20**	**2#12 & 1#12EG IN 3/4"C**	1.1			**2#12 & 1#12EG IN 3/4"C**	**20**	**0.2**	**1**	**DISH, POT, BREAK & HALL LGTS**	2
3	ENG ROOM PLUGS NORTH WALL	1	1.4	20			2.2		**2#12 & 1#12EG IN 3/4"C**	**20**	**0.8**	**1**	**BTHRMS, CNFR, OFFC & VSTBL LGTS**	4
5	DRIVER ROOM COAT STORAGE PLUGS	1	1.4	20				1.5		20	0.0	1	FIRE DEPARTMENT OFFICE PLUGS	6
7	PLUGS BATH ROOMS HALL PLUG	1	1.4	20		1.5				20	0.0	1	PLUGS EAST WALL MEETING ROOM	8
9	**BOILER ROOM, STORAGE LGTS**	**1**	**0.3**	**20**	**2#12 & 1#12EG IN 3/4"C**		0.5		**2#12 & 1#12EG IN 3/4"C**	**20**	**0.2**	**1**	**COLD STORAGE LIGHTING**	10
11	**GARAGE LIGHTING**	**1**	**0.4**	**20**	**2#12 & 1#12EG IN 3/4"C**			0.9	**2#12 & 1#12EG IN 3/4"C**	**20**	**0.5**	**1**	**DRY STORAGE LIGHTING**	12
13	DRIVEWAY POLE LITES	1	0.5	20		0.7			**2#12 & 1#12EG IN 3/4"C**	**20**	**0.2**	**1**	**CLASSROOM LIGHTING**	14
15	**EXTERIOR POLE LIGHTS**	**1**	**0.3**	**20**	**2#12 & 1#12EG IN 3/4"C**		1.7			20	1.4	1	PLUGS MEETING ROOM WEST WALL	16
17	PLUGS SOUTH WALL EG RM STORAGE	1	1.4	20				2.9		20	1.4	1	EQUIPMENT STORAGE PLUGS	18
19	**CLEANING ROOM RECEPTS**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**	2.9				20	1.4	1	PLUG EQUIPMENT STORAGE FIRECOM OFFICE	20
21	**COOLDOWN FAN RECEPTS**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**		1.7		**2#12 & 1#12EG IN 3/4"C**	**20**	**0.3**	**1**	**OUTDOOR LIGHTING (BUILDING)**	22
23	**CONFERENCE ROOM ERV-2**	**1**	**0.4**	**15**	**2#12 & 1#12EG IN 3/4"C**			1.8	**2#12 & 1#12EG IN 3/4"C**	**20**	**1.4**	**1**	**MAIN GARAGE & OUTDOOR RECEPTS**	24
25	**KITCHEN 2 EXHAUST FAN A**	**1**	**0.8**	**15**	**2#12 & 1#12EG IN 3/4"C**	1.3			**2#12 & 1#12EG IN 3/4"C**	**15**	**0.5**	**1**	**KITCHEN 1 EXHAUST FAN A**	26
27	**KITCHEN 2 EXHAUST FAN B**	**1**	**0.5**	**15**	**2#12 & 1#12EG IN 3/4"C**		1.0		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.5**	**1**	**KITCHEN 1 EXHAUST FAN B**	28
29	**KITCHEN 5 EXHAUST FAN A**	**1**	**0.5**	**15**	**2#12 & 1#12EG IN 3/4"C**			1.3	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.8**	**1**	**KITCHEN 5 EXHAUST FAN B**	30
					TOTAL (PHASE):	7.4	7.2	8.3						

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 100A
INTERRUPTING RATING: 10KA SYM.
FED FROM: MDP

TOTAL CONN.:	22.8	KVA
TOT. CONN. + SPARE:	22.8	KVA
DEMAND:	17.1	KVA
DEMAND:	47.6	AMPS

SPARE CAPACITY 0 %
DEMAND FACTOR 75 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SHORT CIRCUIT RATING AT THE UTILITY TRANSFORMER AND NOTIFY THE ENGINEER PRIOR TO PURCHASING ANY EQUIPMENT.
4. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE.

JOB NAME: PFKI
RATING: 208/120V, 4W, 3PH, 225A

PP
(EXISTING)

LOCATION: BOILER ROOM

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	**DISH & POT ROOM RECPT'S**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**	3.3					**1.8**			2
3	**STAFF OFFICE RECEPT'S**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**		3.3		**4#10 & 1#10EG IN 3/4"C**	**30**	**1.8**	**3**	**KITCHEN #1 CORD REEL**	4
5	WATER COOLER	1	0.2	20				2.0			**1.8**			6
7	**LOADING RECEPTACLES**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**	3.3					**1.8**			8
9	**PACKING ROOM ERV**	**1**	**0.4**	**15**	**2#12 & 1#12EG IN 3/4"C**		2.2		**4#10 & 1#10EG IN 3/4"C**	**30**	**1.8**	**3**	**KITCHEN #2 CORD REEL**	10
11	**DRY STORAGE RECEPTACLES**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**			3.3			**1.8**			12
13			**1.0**			2.8					**1.8**			14
15	**DRY STORAGE GARAGE DOOR**	**3**	**1.0**	**20**	**4#12 & 1#12EG IN 3/4"C**		2.8		**4#10 & 1#10EG IN 3/4"C**	**30**	**1.8**	**3**	**KITCHEN #3 CORD REEL**	16
17			**1.0**					2.8			**1.8**			18
19			**1.0**			2.8					**1.8**			20
21	**COLD STORAGE GARAGE DOOR**	**3**	**1.0**	**20**	**4#12 & 1#12EG IN 3/4"C**		2.8		**4#10 & 1#10EG IN 3/4"C**	**30**	**1.8**	**3**	**KITCHEN #4 CORD REEL**	22
23			**1.0**					2.8			**1.8**			24
25			**3.7**			5.5					**1.8**			26
27	**DRY STRG 1ST FLR HTR #2 EUH-2**	**3**	**3.7**	**40**	**4#8 & 1#10EG IN 1"C**		5.5		**4#10 & 1#10EG IN 3/4"C**	**30**	**1.8**	**3**	**KITCHEN #5 CORD REEL**	28
29			**3.7**					5.5			**1.8**			30
31			**3.7**			4.7					1.0			32
33	**DRY STRG 2ND FLR HTR #2 EUH-2**	**3**	**3.7**	**40**	**4#8 & 1#10EG IN 1"C**		4.7			15	1.0	3	OVERHEAD DOOR OPENER	34
35			**3.7**					4.7			1.0			36
37			**3.7**			4.1			**2#12 & 1#12EG IN 3/4"C**	**15**	**0.4**	**1**	**HALLWAY ERV-1**	38
39	**DRY STRG STAIRWELL HTR EUH-2**	**3**	**3.7**	**40**	**4#8 & 1#10EG IN 1"C**		4.1		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.4**	**1**	**STAFF OFFICE ERV-1**	40
41			**3.7**					4.1	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.4**	**1**	**MANAGER'S OFFICE ERV-1**	42
					TOTAL (PHASE):	26.5	25.4	25.3						

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 150A
INTERRUPTING RATING: 10KA SYM.
FED FROM: MDP

TOTAL CONN.:	77.2	KVA
TOT. CONN. + SPARE:	77.2	KVA
DEMAND:	42.5	KVA
DEMAND:	118.0	AMPS

SPARE CAPACITY 0 %
DEMAND FACTOR 55 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SHORT CIRCUIT RATING AT THE UTILITY TRANSFORMER AND NOTIFY THE ENGINEER PRIOR TO PURCHASING ANY EQUIPMENT.
4. CONTRACTOR TO DETERMINE BREAKER SIZES PER MANUFACTURERS' SPECIFICATIONS, AND CONDUCTOR SIZES PER NEC.

GENERAL NOTE:

1. CONTRACTOR TO TRACE & IDENTIFY ALL CIRCUITS MARKED AS "UNKNOWN LOAD" AND DEMO AS REQUIRED FOR NEW PANEL SCHEDULES. COORDINATE CIRCUIT IDENTIFICATION AND REMOVAL WITH ENGINEER.

JOB NAME: PFKI
RATING: 208/120V, 4W, 3PH, 100A

BLPP
(EXISTING)

LOCATION: BOILER ROOM

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	**WATER HEATER WH-1**	**1**	**0.6**	**15**	**2#12 & 1#12EG IN 3/4"C**	1.6					**1.0**			2
3	**PACKING ROOM ICE MACHINE**	**1**	**1.0**	**20**	**2#12 & 1#12EG IN 3/4"C**		2.0		**4#12 & 1#12EG IN 3/4"C**	**15**	**1.0**	**3**	**KITCHEN 3 MAU**	4
5	**KITCHEN ICE MACHINE**	**1**	**1.0**	**20**	**2#12 & 1#12EG IN 3/4"C**			2.0			**1.0**			6
7			**0.8**			2.2				20	1.4	1	BOILER ROOM RECEPTACLES	8
9	**KITCHEN 3 EXHAUST FAN**	**3**	**0.8**	**15**	**4#12 & 1#12EG IN 3/4"C**		1.3		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.5**	**1**	**HOT WATER PUMP HWP-1**	10
11			**0.8**					1.2	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.4**	**1**	**CLASSROOM ERV**	12
13			**0.8**			1.8					**1.0**			14
15	**KITCHEN 4 EXHAUST FAN**	**3**	**0.8**	**15**	**4#12 & 1#12EG IN 3/4"C**		1.8		**4#12 & 1#12EG IN 3/4"C**	**15**	**1.0**	**3**	**KITCHEN 4 MAU**	16
17			**0.8**					1.8			**1.0**			18
					TOTAL (PHASE):	5.6	5.1	4.9						

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 60A
INTERRUPTING RATING: 10KA SYM.
FED FROM: MDP

TOTAL CONN.:	15.7	KVA
TOT. CONN. + SPARE:	15.7	KVA
DEMAND:	11.7	KVA
DEMAND:	32.6	AMPS

SPARE CAPACITY 0 %
DEMAND FACTOR 75 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SHORT CIRCUIT RATING AT THE UTILITY TRANSFORMER AND NOTIFY THE ENGINEER PRIOR TO PURCHASING ANY EQUIPMENT.
4. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE.

JOB NAME: PFKI
RATING: 208/120V, 4W, 3PH, 225A

KLPP
(EXISTING)

LOCATION: KITCHEN (IN WALL)

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	**RECEPTS KITCHENS #1 & #2**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**	2.9			**2#12 & 1#12EG IN 3/4"C**	**20**	**1.4**	**1**	**RECEPTS KITCHEN #5**	2
3	**RECEPTS KITCHENS #3 & #4**	**1**	**1.4**	**20**	**2#12 & 1#12EG IN 3/4"C**		2.4		**2#12 & 1#12EG IN 3/4"C**	**15**	**1.0**	**1**	**20 QT MIXER #1**	4
5	**SINGLE RACK OVEN #1**	**1**	**1.1**	**15**	**2#12 & 1#12EG IN 3/4"C**			2.0	**2#12 & 1#12EG IN 3/4"C**	**15**	**1.0**	**1**	**20 QT MIXER #2**	6
7	**SINGLE RACK OVEN #1 - CONTROL**	**1**	**1.8**	**20**	**2#12 & 1#12EG IN 3/4"C**	2.9			**2#12 & 1#12EG IN 3/4"C**	**15**	**1.1**	**1**	**SINGLE RACK OVEN #2**	8
9			**1.4**				3.2		**2#12 & 1#12EG IN 3/4"C**	**20**	**1.8**	**1**	**SINGLE RACK OVEN #2 - CONTROL**	10
11	**80 QT MIXER #1**	**3**	**1.4**	**20**	**4#12 & 1#12EG IN 3/4"C**			2.9			**1.4**			12
13			**1.4**			2.9			**4#12 & 1#12EG IN 3/4"C**	**20**	**1.4**	**3**	**80 QT MIXER #2**	14
15	**KITCHEN HOOD #1**	**1**	**1.4**	**15**	**2#12 & 1#12EG IN 3/4"C**		2.9				**1.4**			16
17	**KITCHEN HOOD #2**	**1**	**1.4**	**15**	**2#12 & 1#12EG IN 3/4"C**			2.9	**2#12 & 1#12EG IN 3/4"C**	**15**	**1.4**	**1**	**KITCHEN HOOD #4**	18
19	**KITCHEN HOOD #3**	**1**	**1.4**	**15**	**2#12 & 1#12EG IN 3/4"C**	2.9			**2#12 & 1#12EG IN 3/4"C**	**15**	**1.4**	**1**	**KITCHEN HOOD #5**	20
21	**25 GALLON KETTLE**	**1**	**0.6**	**15**	**2#12 & 1#12EG IN 3/4"C**		0.8		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.2**	**1**	**EF-4**	22
23			**2.3**					3.5	**2#12 & 1#12EG IN 3/4"C**	**15**	**1.2**	**1**	**40 GALLON BRAZER**	24
25	**BLAST CHILLER**	**3**	**2.3**	**30**	**4#10 & 1#10EG IN 3/4"C**	2.9					**0.6**			26
27			**2.3**				2.9		**4#12 & 1#12EG IN 3/4"C**	**15**	**0.6**	**3**	**DOUBLE RACK OVEN**	28
29	**DOUBLE RACK OVEN - CONTROL**	**1**	**1.8**	**20**	**2#12 & 1#12EG IN 3/4"C**			2.4			**0.6**			30
31	**DOUBLE DECK OVEN #1 - UPPER**	**1**	**1.2**	**15**	**2#12 & 1#12EG IN 3/4"C**	7.5					**6.3**			32
33	**DOUBLE DECK OVEN #1 - LOWER**	**1**	**1.2**	**15**	**2#12 & 1#12EG IN 3/4"C**		7.5		**4#6 & 1#10EG IN 1-1/4"C**	**60**	**6.3**	**3**	**DISHWASHER**	34
35	**DOUBLE DECK OVEN #2 - UPPER**	**1**	**1.2**	**15**	**2#12 & 1#12EG IN 3/4"C**			7.5			**6.3**			36
37	**DOUBLE DECK OVEN #2 - LOWER**	**1**	**1.2**	**15**	**2#12 & 1#12EG IN 3/4"C**	1.7			**2#12 & 1#12EG IN 3/4"C**	**15**	**0.5**	**1**	**KITCHEN #1 RANGE**	38
39	**KITCHEN #2 RANGE**	**1**	**0.5**	**15**	**2#12 & 1#12EG IN 3/4"C**		1.0		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.5**	**1**	**KITCHEN #3 RANGE**	40
41	**KITCHEN #4 RANGE**	**1**	**0.5**	**15**	**2#12 & 1#12EG IN 3/4"C**			1.0	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.5**	**1**	**KITCHEN #5 RANGE**	42
					TOTAL (PHASE):	23.6	20.8	22.2						

PANEL TYPE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 150A
INTERRUPTING RATING: 10KA SYM.
FED FROM: MDP

TOTAL CONN.:	66.5	KVA
TOT. CONN. + SPARE:	66.5	KVA
DEMAND:	39.9	KVA
DEMAND:	111.0	AMPS

SPARE CAPACITY 0 %
DEMAND FACTOR 60 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SHORT CIRCUIT RATING AT THE UTILITY TRANSFORMER AND NOTIFY THE ENGINEER PRIOR TO PURCHASING ANY EQUIPMENT.
4. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE.

JOB NAME: PFKI
RATING: 208/120V, 4W, 3PH, 400A

BPP
(NEW)

LOCATION: BOILER ROOM

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1			**1.8**			1.9			**2#12 & 1#12EG IN 3/4"C**	**15**	**0.1**	**1**	**COOLER #1 FAN**	2
3	**COOLER #1 CONDENSER**	**3**	**1.8**	**20**	**4#12 & 1#12EG IN 3/4"C**		1.9		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.1**	**1**	**COOLER #2 FAN**	4
5			**1.8**					2.0	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.2**	**1**	**FREEZER #1 FAN**	6
7			**1.8**			1.9			**2#12 & 1#12EG IN 3/4"C**	**15**	**0.1**	**1**	**COOLER #3 FAN**	8
9	**COOLER #2 CONDENSER**	**3**	**1.8**	**20**	**4#12 & 1#12EG IN 3/4"C**		6.0		**2#12 & 1#12EG IN 3/4"C**	**20**	**4.2**	**1**	**FREEZER #1 DEFROST**	10
11			**1.8**					2.0	**2#12 & 1#12EG IN 3/4"C**	**15**	**0.2**	**1**	**FREEZER #2 FAN**	12
13			**4.5**			7.7			**2#10& 1#10EG IN 3/4"C**	**25**	**3.2**	**1**	**FREEZER #2 DEFROST**	14
15	**FREEZER #1 CONDENSER**	**3**	**4.5**	**40**	**4#8 & 1#10EG IN 1"C**		4.6		**2#12 & 1#12EG IN 3/4"C**	**20**	**0.1**	**1**	**COOLER #1 DOOR LIGHT**	16
17			**4.5**					4.6	**2#12 & 1#12EG IN 3/4"C**	**20**	**0.1**	**1**	**COOLER #2 DOOR LIGHT**	18
19			**1.8**			2.9			**2#12 & 1#12EG IN 3/4"C**	**20**	**1.1**	**1**	**FREEZER #1 DOOR HEATER & LIGHT**	20
21	**COOLER #3 CONDENSER**	**3**	**1.8**	**20**	**4#12 & 1#12EG IN 3/4"C**		1.9		**2#12 & 1#12EG IN 3/4"C**	**20**	**0.1**	**1**	**COOLER #3 DOOR LIGHT**	22
23			**1.8**					2.9	**2#12 & 1#12EG IN 3/4"C**	**20**	**1.1**	**1**	**FREEZER #2 DOOR HEATER & LIGHT**	24
25			**4.5**			5.5			**2#12 & 1#12EG IN 3/4"C**	**20**	**1.0**	**1**	**SECURITY SYSTEM POWER**	26
27	**FREEZER #2 CONDENSER**	**3**	**4.5**	**50**	**4#8 & 1#10EG IN 1"C**		7.0		**3#10 & 1#10EG IN 3/4"C**	**30**	**2.5**	**2**	**PACKING ROOM PTAC**	28
29			**4.5**					7.0			**2.5**			30
31	**SPARE**	**1**	**1.0**	**20**	**2#12 & 1#12EG IN 3/4"C**	1.3			**2#12 & 1#12EG IN 3/4"C**	**15**	**0.3**	**1**	**GARAGE HEATER #1 UH-1**	32
33	**HP-1A**	**2**	**2.0**	**30**	**3#10 & 1#10EG IN 3/4"C**		2.3		**2#12 & 1#12EG IN 3/4"C**	**15**	**0.3**	**1**	**GARAGE HEATER #2 UH-1**	34
35			**2.0**					7.1	**3#8 & 1#10EG IN 1"C**	**50**	**5.0**	**2**	**HP-2B**	36
37	**SPARE**	**1**	**1.0**	**20**		6.0					**5.0**			38
39	**HP-1C**	**2**	**2.0**	**30**	**3#10 & 1#10EG IN 3/4"C**		5.2		**4#8 & 1#10EG IN 1"C**	**40**	**3.2**	**3**	**DRY STRG 2ND FLR HTR #1 EUH-2**	40
41			**2.0**					5.2			**3.2**			42
43			**3.2**			6.3					**3.2**			44
45	**DRY STRG 1ST FLR HTR #1 EUH-2**	**3**	**3.2**	**40**	**4#8 & 1#10EG IN 1"C**		6.3				**3.2**			46
47			**3.2**					6.3	**4#8 & 1#10EG IN 1"C**	**40**	**3.2**	**3**	**UTILITY ROOM HEATER EUH-2**	48
49			**4.4**			7.5					**3.2**			50
51	**DOAS-1 (ON ROOF)**	**3**	**4.4**	**60**	**4#6 & 1#10EG IN 1-1/4"C**		5.4		**2#12 & 1#12EG IN 3/4"C**	**20**	**1.0**	**1**	**FIRE ALARM SYSTEM**	52
53			**4.4**					5.4		**20**	**1.0**	**1**	**SPARE**	54
					TOTAL (PHASE):	41.0	40.6	42.4						

PANEL TYPE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 400A
INTERRUPTING RATING: 65KA SYM.
FED FROM: MAIN SWITCHGEAR

TOTAL CONN.:	124.1	KVA
TOT. CONN. + SPARE:	124.1	KVA
DEMAND:	124.1	KVA
DEMAND:	344.7	AMPS

SPARE CAPACITY 0 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE SHORT CIRCUIT RATING AT THE UTILITY TRANSFORMER AND NOTIFY THE ENGINEER PRIOR TO PURCHASING ANY EQUIPMENT.
4. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE.

JTA
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NOTES:

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN.

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STATE OF NEW YORK · ERIC D. FELLENZER · 085434 · LICENSED PROFESSIONAL ENGINEER

SEAL
ERIC D. FELLENZER, P.E.
NY PROFESSIONAL ENGINEER
NO. 073084-1
ISSUED 1995 EXP. 8/25

PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)
701 Washington Steet
Peekskill, New York 10566
S-BL-32.20-9-1
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

Date: September 17, 2024
Revisions:

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2 OF THE N.Y. STATE EDUCATION LAW.
FELLENZER ENGINEERING, LLP
CERTIFICATE OF AUTHORIZATION #: 0017795

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DESIGNED BY:	DRAWN BY:	APPROVED BY:	FE PROJECT #:
RW	WPB	EDF	23-369

⅛" ¼" ½" 0 1" 2"
REFERENCE SCALE

E8.01