

DESIGNER / BUILDER

ARCO
DESIGN/BUILD
INDUSTRIAL

44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601
P: 914.821.5535 F: 914.306.8010

ADBI | DESIGN
SERVICES

PROJECT TITLE

LINCOLN
EQUITIES -
NY-131- BLDG A

NY-312 & PUGSLEY RD,
SOUTHEAST, NY 10509

ARCHITECT

ADBI / DESIGN SERVICES LLC
44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601

CIVIL ENGINEER

LANGAN ENGINEERING
300 KIMBALL DRIVE
PARSIPPANY, NJ 07054

STRUCTURAL ENGINEER

SMITH ROBERTS AND ASSOCIATES, INC.
6501 BLUFF RD.
INDIANAPOLIS, INDIANA 46217

MECHANICAL ENGINEER

NATIONAL DESIGN/BUILD SERVICES
11940 LOURMAN DRIVE
ST. LOUIS, MO 63146

ELECTRICAL ENGINEER

FXB ENGINEERING
5 CHRISTY DRIVE, SUITE 307
CHADDS FORD, PA 19317

PLUMBING ENGINEER

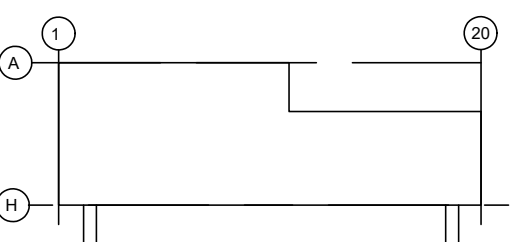
MCCARTHY ENGINEERING ASSOCIATES,
INC.
315 EAST SECOND STREET
BOYERTOWN, PA 19512

FIRE PROTECTION ENGINEER

S A COMULANE CO. INC.
2900 NEWPARK DRIVE
BARBERTON, OH 44203

SEAL

KEY PLAN



SUBMITTALS

NO.	DATE	DESCRIPTION
A	05.27.22	ISSUE FOR REVIEW
0	06.10.22	ISSUE FOR PERMIT

PROJECT NO.

A5286-21 NY131

DRAWN BY

FXB

SHEET TITLE

ELECTRICAL
PANEL SCHEDULES

SHEET NO.

E5.0

PANEL SCHEDULE "HH1"												
VOLTS: 480Y/277V AMPS: 200A MCB				PHASE: 3Ø WIRE: 4W		LOCATION: MAIN ELEC. ROOM MOUNTING: SURFACE		SHORT CIRCUIT RATING: 42KAIC PANEL LOAD: 11.8 kVA (14.2 A)				
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	AMPS	POLES	Φ	AMPS	POLES	WIRE SIZE	LOAD KVA	DESCRIPTION	CIR. NO.
1	LIGHTING - ELEC. ROOM	0.22	#12	20	1	A	20	1	#12	4.00	AVM-01	2
3	EXTERIOR LIGHTING - WALL MOUNTED	0.80	#12	20	1	B	20	1	#10	1.03	EXTERIOR LIGHTING - WALL MOUNTED	4
5	EXTERIOR LIGHTING - POLE MOUNTED	1.03	#10	20	1	C	20	1	#10	1.03	EXTERIOR LIGHTING - POLE MOUNTED	6
7	EXTERIOR LIGHTING - POLE MOUNTED	1.25	#8	20	1	A	20	1	#8	1.00	EXTERIOR SIGNAGE	8
9	SPARE			20	1	B	20	1			SPARE	10
11	SPARE			20	1	C	20	1			SPARE	12
13	SPACE ONLY					A					SPACE ONLY	14
15	SPACE ONLY					B					SPACE ONLY	16
17	SPACE ONLY					C					SPACE ONLY	18
19	SPACE ONLY					A					SPACE ONLY	20
21	SPACE ONLY					B					SPACE ONLY	22
23	SPACE ONLY					C					SPACE ONLY	24
25	SPACE ONLY					A					SPACE ONLY	26
27	SPACE ONLY					B					SPACE ONLY	28
29	SPACE ONLY					C					SPACE ONLY	30
31	SPACE ONLY					A					SPACE ONLY	32
33	SPACE ONLY					B					SPACE ONLY	34
35	SPACE ONLY					C					SPACE ONLY	36
37	PANEL "HLT" THRU 30KVA TRANSFORMER	0.54	#3	80	3	A					SPACE ONLY	38
39	▼	0.90	▼	▼	▼	B					SPACE ONLY	40
41	▼	0.00	▼	▼	▼	C					SPACE ONLY	42
						A	B	C				
						7.0	2.7	2.1				
PANEL BOARD NOTES: 1. PANEL SHALL BE SQUARE D CO. TYPE NF (OR APPROVED EQUAL) WITH BOLT-ON BRANCH CIRCUIT BREAKERS AND HINGED (DOOR-IN-DOOR) TRM.												

PANEL SCHEDULE "HV1"									
VOLTS: 480Y/277V AMPS: 250A MLO				PHASE: 3Ø WIRE: 4W		LOCATION: WAREHOUSE MOUNTING: SURFACE		SHORT CIRCUIT RATING: 18KAIC PANEL LOAD: 42.3 kVA (50.9 A)	
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	CIRCUIT BKR AMPS POLES	Φ	CIRCUIT BKR AMPS POLES	WIRE SIZE	LOAD KVA	DESCRIPTION
1	LIGHTING - WAREHOUSE	3.21	#12	20 1	A	20 1	#12	3.21	LIGHTING - WAREHOUSE
3	LIGHTING - WAREHOUSE	3.21	#12	20 1	B	20 1	#10	3.21	LIGHTING - WAREHOUSE
5	LIGHTING - WAREHOUSE	3.21	#10	20 1	C	20 1	#8	3.21	LIGHTING - WAREHOUSE
7	LIGHTING - WAREHOUSE	3.21	#8	20 1	A	20 3	#12	0.83	CHD
9	MAU-1	2.11	#12	15 3	B	▼	▼	0.83	▼
11	▼	2.11	▼	▼	▼	C	▼	0.83	▼
13	▼	2.11	▼	▼	▼	A	15 3	#12	2.11
15	SPARE			20 1	B	▼	▼	2.11	▼
17	SPARE			20 1	C	▼	▼	2.11	▼
19	SPARE			20 1	A	20 1			SPARE
21	SPACE ONLY				B				SPACE ONLY
23	SPACE ONLY				C				SPACE ONLY
25	SPACE ONLY				A				SPACE ONLY
27	SPACE ONLY				B				SPACE ONLY
29	SPACE ONLY				C				SPACE ONLY
31	SPACE ONLY				A				SPACE ONLY
33	SPACE ONLY				B				SPACE ONLY
35	SPACE ONLY				C				SPACE ONLY
37	PANEL "LV1" THRU 30KVA TRANSFORMER	2.16	#3	80 3	A				SPACE ONLY
39	▼	2.16	▼	▼	▼	B			SPACE ONLY
41	▼	0.36	▼	▼	▼	C			SPACE ONLY
				A	B	C			
				16.8	13.6	11.8			
PANEL BOARD NOTES: 1. PANEL SHALL BE SQUARE D CO. TYPE NF (OR APPROVED EQUAL) WITH BOLT-ON BRANCH CIRCUIT BREAKERS AND HINGED (DOOR-IN-DOOR) TRM.									

PANEL SCHEDULE "HV2"												
VOLTS: 480Y/277V AMPS: 250A MLO				PHASE: 3Ø WIRE: 4W		LOCATION: WAREHOUSE MOUNTING: SURFACE		SHORT CIRCUIT RATING: 18KAIC PANEL LOAD: 29.0 kVA (34.9 A)				
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	AMPS	POLES	Φ	AMPS	POLES	WIRE SIZE	LOAD KVA	DESCRIPTION	CIR. NO.
1	LIGHTING - WAREHOUSE	2.89	#12	20	1	A	20	1	#12	2.89	LIGHTING - WAREHOUSE	2
3	LIGHTING - WAREHOUSE	2.89	#12	20	1	B	20	1	#10	2.89	LIGHTING - WAREHOUSE	4
5	LIGHTING - WAREHOUSE	2.89	#10	20	1	C	15	3	#12	2.11	MAU-3	6
7	CHD	0.83	#12	20	3	A	▼	▼	▼	2.11	▼	8
9	▼	0.83	▼	▼	▼	B	▼	▼	▼	2.11	▼	10
11	▼	0.83	▼	▼	▼	C	20	1			SPARE	12
13	SPARE			20	1	A	20	1			SPARE	14
15	SPARE			20	1	B					SPARE ONLY	16
17	SPACE ONLY					C					SPACE ONLY	18
19	SPACE ONLY					A					SPACE ONLY	20
21	SPACE ONLY					B					SPACE ONLY	22
23	SPACE ONLY					C					SPACE ONLY	24
25	SPACE ONLY					A					SPACE ONLY	26
27	SPACE ONLY					B					SPACE ONLY	28
29	SPACE ONLY					C					SPACE ONLY	30
31	SPACE ONLY					A					SPACE ONLY	32
33	SPACE ONLY					B					SPACE ONLY	34
35	SPACE ONLY					C					SPACE ONLY	36
37	PANEL "LV2" THRU 300VA TRANSFORMER	2.16	#3	80	3	A					SPACE ONLY	38
39	▼	2.16	▼	▼	▼	B					SPACE ONLY	40
41	▼	1.44	▼	▼	▼	C					SPACE ONLY	42
				A			B			C		
				10.8			10.8			7.3		

PANEL BOARD NOTES:

1. PANEL SHALL BE SQUARE D CO. TYPE NF (OR APPROVED EQUAL) WITH BOLT-ON BRANCH CIRCUIT BREAKERS AND HINGED (DOOR-IN-DOOR) TRM.

PANEL SCHEDULE "HPH"										VOLTS: 480Y/277V AMPS: 300A MCB		PHASE: 3Ø WIRE: 4W		LOCATION: PUMP HOUSE MOUNTING: SURFACE		SHORT CIRCUIT RATING: 35KAIC PANEL LOAD: 74.4 kVA (89.5 A)	
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	CIRCUIT BKR AMPS POLES	Φ	CIRCUIT BKR AMPS POLES	WIRE SIZE	LOAD KVA	DESCRIPTION	CIR. NO.							
1	LIGHTING - PUMP HOUSE	0.37	#12	20 1	A	20 3	#12	2.11	COCKEY PUMP (SHP)	2							
3	ELH-1 (VERIFY)	3.33	#12	20 3	B	▼	▼	2.11	▼	4							
5	▼	3.33	▼	▼	▼	C	▼	2.11	▼	6							
7	▼	3.33	▼	▼	▼	A	45 3	#8	8.33	IMMERSION HEATER	8						
9	EXTERIOR LIGHTING	0.91	#12	20 1	B	▼	▼	8.33	▼	10							
11	EXTERIOR SIGN	1.00	#10	20 1	C	▼	▼	8.33	▼	12							
13	SPARE			20 1	A	45 3	#8	8.33	IMMERSION HEATER	14							
15	SPARE			20 1	B	▼	▼	8.33	▼	16							
17	SPARE			20 1	C	▼	▼	8.33	▼	18							
19	SPACE ONLY				A				SPACE ONLY	20							
21	SPACE ONLY				B				SPACE ONLY	22							
23	SPACE ONLY				C				SPACE ONLY	24							
25	SPACE ONLY				A				SPACE ONLY	26							
27	SPACE ONLY				B				SPACE ONLY	28							
29	SPACE ONLY				C				SPACE ONLY	30							
31	SPACE ONLY				A				SPACE ONLY	32							
33	SPACE ONLY				B				SPACE ONLY	34							
35	SPACE ONLY				C				SPACE ONLY	36							
37	PANEL "LPH" THRU 300KVA TRANSFORMER	3.15	#3	80 3	A				SPACE ONLY	38							
39	▼	1.40	▼	▼	▼	B			SPACE ONLY	40							
41	▼	1.25	▼	▼	▼	C			SPACE ONLY	42							
				A	B	C											
				25.6	24.4	24.4											
PANEL BOARD NOTES: 1. PANEL SHALL BE SQUARE D CO. TYPE NF (OR APPROVED EQUAL) WITH BOLT-ON BRANCH CIRCUIT BREAKERS AND HINGED (DOOR-IN-DOOR) TRM.																	

PANEL SCHEDULE "HL1"										
VOLTS: 208Y/120V AMPS: 100A MCB				PHASE: 3Ø WIRE: 4W		LOCATION: MAIN ELEC. ROOM MOUNTING: SURFACE		SHORT CIRCUIT RATING: 10KAIC PANEL LOAD: 1.4 kVA (4.0 A)		
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	CIRCUIT BKR AMPS POLES	Φ	CIRCUIT BKR AMPS POLES	WIRE SIZE	LOAD KVA	DESCRIPTION	CIR. NO.
1	RECEPTACLE - ELEC ROOM	0.18	#12	20 1	A	20 1	#12	0.36	DEDICATED RECEPTACLE - ELEC ROOM	2
3	SP-01	0.70	#12	20 1	B	20 1	#12	0.20	DIGITAL TIME CLOCK	4
5	SPARE			20 1	C	20 1			SPARE	6
7	SPARE			20 1	A	20 1			SPARE	8
9	SPARE			20 1	B	20 1			SPARE	10
11	SPARE			20 1	C				SPACE ONLY	12
13	SPACE ONLY				A				SPACE ONLY	14
15	SPACE ONLY				B				SPACE ONLY	16
17	SPACE ONLY				C				SPACE ONLY	18
19	SPACE ONLY				A				SPACE ONLY	20
21	SPACE ONLY				B				SPACE ONLY	22
23	SPACE ONLY				C				SPACE ONLY	24
25	SPACE ONLY				A				SPACE ONLY	26
27	SPACE ONLY				B				SPACE ONLY	28
29	SPACE ONLY				C				SPACE ONLY	30
31	SPACE ONLY				A				SPACE ONLY	32
33	SPACE ONLY				B				SPACE ONLY	34
35	SPACE ONLY				C				SPACE ONLY	36
37	SPACE ONLY				A				SPACE ONLY	38
39	SPACE ONLY				B				SPACE ONLY	40
41	SPACE ONLY				C				SPACE ONLY	42
				A	B	C				
				0.5	0.9	0.0				
PANEL BOARD NOTES: 1. PANEL SHALL BE SQUARE D CO. TYPE NO (OR APPROVED EQUAL) WITH BOLT-ON BRANCH CIRCUIT BREAKERS AND HINGED (DOOR-IN-DOOR) TRIM.										

PANEL SCHEDULE "LV1"										VOLTS: 208Y/120V AMPS: 100A MCB		PHASE: 3Ø WIRE: 4W		LOCATION: WAREHOUSE MOUNTING: SURFACE		SHORT CIRCUIT RATING: PANEL LOAD		10kAIC 4.7 kVA (13.0 A)	
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	CIRCUIT BRK	POLES	Ø	AMPS	POLES	WIRE SIZE	LOAD KVA	DESCRIPTION	CIR. NO.							
1	RECEPTACLES - DOCK DOORS	1.08	#12	20	A	20	1	B	20	1	RECEPTACLES - DOCK DOORS	2							
3	RECEPTACLES - DOCK DOORS	1.08	#12	20	1	B	20	1	#12	1.08	RECEPTACLES - DOCK DOORS	4							
5	Ø1 RECEPTACLE - ON ROOF	0.36	#12	20	1	C	20	1			SPARE	6							
7	SPARE			20	1	A	20	1			SPARE	8							
9	SPARE			20	1	B	20	1			SPARE	10							
11	SPARE			20	1	C					SPACE ONLY	12							
13	SPACE ONLY					A					SPACE ONLY	14							
15	SPACE ONLY					B					SPACE ONLY	16							
17	SPACE ONLY					C					SPACE ONLY	18							
19	SPACE ONLY					A					SPACE ONLY	20							
21	SPACE ONLY					B					SPACE ONLY	22							
23	SPACE ONLY					C					SPACE ONLY	24							
25	SPACE ONLY					A					SPACE ONLY	26							
27	SPACE ONLY					B					SPACE ONLY	28							
29	SPACE ONLY					C					SPACE ONLY	30							
31	SPACE ONLY					A					SPACE ONLY	32							
33	SPACE ONLY					B					SPACE ONLY	34							
35	SPACE ONLY					C					SPACE ONLY	36							
37	SPACE ONLY					A					SPACE ONLY	38							
39	SPACE ONLY					B					SPACE ONLY	40							
41	SPACE ONLY					C					SPACE ONLY	42							
				A	B	C							43						
				2.2	2.2	0.4							40						
PANEL BOARD NOTES:																			
1. PANEL SHALL BE SQUARE D CO. TYPE NO (OR APPROVED EQUAL) WITH BOLT-ON BRANCH CIRCUIT BREAKERS AND HINGED (DOOR-IN-DOOR) TRIM.																			