

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-312 - ALT.  
BLDG B  
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  
PARSONS PARKWAY, NJ 07054

STRUCTURAL ENGINEER

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

MECHANICAL ENGINEER

NATIONAL DESIGN/ BUILD SERVICES  
11840 BORMAN DRIVE  
ST. LOUIS, MO 63146

ELECTRICAL ENGINEER

FBX ENGINEERING  
5 CHRISTY DRIVE, SUITE 307  
CHADDSD FORD, PA 19317

PLUMBING ENGINEER

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

FIRE PROTECTION ENGINEER

S A COMNALE 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.

AS286-21/ NY131

DRAWN BY

FBX

SHEET TITLE

ELECTRICAL  
PANEL  
SCHEDULES

SHEET NO.

E6.0

PANEL SCHEDULE "HH1"												VOLTS: 480Y/277V AMPS: 200A MCB				PHASE: 3Ø WIRE: 4W				LOCATION: MAIN ELEC. ROOM MOUNTING: SURFACE				SHORT CIRCUIT RATING: PANEL LOAD: 65kAIC 15.5 kVA ( 18.6 A)			
CIR. NO.	DESCRIPTION	LOAD KVA	WIRE SIZE	AMPS	POLES	Ø	AMPS	POLES	WIRE SIZE	LOAD KVA	DESCRIPTION	CIR. NO.															
1	LIGHTING - ELEC. ROOM	0.22	#12	20	1	A	20	1	#12	4.00	AWH-1	2															
3	EXTERIOR LIGHTING - WALL MOUNTED	1.14	#10	20	1	B	20	1	#10	1.14	EXTERIOR LIGHTING - WALL MOUNTED	4															
5	EXTERIOR LIGHTING - WALL MOUNTED	1.14	#10	20	1	C	20	1	#8	1.71	EXTERIOR LIGHTING - POLE MOUNTED	6															
7	EXTERIOR LIGHTING - POLE MOUNTED	1.60	#8	20	1	A	20	1	#8	1.14	EXTERIOR LIGHTING - POLE MOUNTED	8															
9	EXTERIOR LIGHTING - POLE MOUNTED	2.05	#6	20	1	B	20	1			SPARE	10															
11	SPARE			20	1	C	20	1			SPARE	12															
13	SPARE			20	1	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 "HL1" THRU 30KVA TRANSFORMER	0.54	#3	80	3	A					SPACE ONLY	38															
39	▼	0.80	▼	▼	▼	B					SPACE ONLY	40															
41	▼	0.00	▼	▼	▼	C					SPACE ONLY	42															
												A	B	C													
												7.5	5.1	2.9													
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: PANEL LOAD				18KAIC 46.0 kVA ( 55.4 A)			
CIR. NO.	DESCRIPTION		LOAD KVA	WIRE SIZE	AMPS	POLES	Ø	AMPS	POLES	WIRE SIZE	LOAD KVA	DESCRIPTION		CIR. NO.															
1	LIGHTING - WAREHOUSE		3.21	#12	20	1	A	20	1	#12	3.21	LIGHTING - WAREHOUSE	2																
3	LIGHTING - WAREHOUSE		3.21	#12	20	1	B	20	1	#10	3.21	LIGHTING - WAREHOUSE	4																
5	LIGHTING - WAREHOUSE		3.21	#10	20	1	C	20	1	#8	3.21	LIGHTING - WAREHOUSE	6																
7	LIGHTING - WAREHOUSE		3.21	#8	20	1	A	20	1	#8	3.21	LIGHTING - WAREHOUSE	8																
9	MAU-1 (7.5 HP)		3.05	#12	25	3	B	20	3	#12	0.80	CHD	10																
11	▼		3.05	▼	▼	▼	C	▼	▼	▼	0.80	▼	12																
13	▼		3.05	▼	▼	▼	A	▼	▼	▼	0.80	▼	14																
15	SPARE				20	1	B	20	1			SPARE	16																
17	SPARE				20	1	C	20	1			SPARE	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 "LV1" THRU 30KVA TRANSFORMER		4.32	#3	80	3	A					SPACE ONLY	38																
39	▼		2.34	▼	▼	▼	B					SPACE ONLY	40																
41	▼		2.16	▼	▼	▼	C					SPACE ONLY	42																
												A	B	C															
												21.0	12.6	12.4															
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 "HV2"												VOLTS: 480Y/277V AMPS: 250A MLO				PHASE: 3Ø WIRE: 4W				LOCATION: WAREHOUSE MOUNTING: SURFACE				SHORT CIRCUIT RATING: PANEL LOAD				42kAIC 52.8 kVA ( 63.6 A)			
CIR. NO.	DESCRIPTION		LOAD KVA	WIRE SIZE	AMPS	POLES	Ø	AMPS	POLES	WIRE SIZE	LOAD KVA	DESCRIPTION		CIR. NO.																	
1	LIGHTING - WAREHOUSE		3.21	#12	20	1	A	20	1	#12	3.21	LIGHTING - WAREHOUSE		2																	
3	LIGHTING - WAREHOUSE		3.21	#12	20	1	B	20	1	#10	3.21	LIGHTING - WAREHOUSE		4																	
5	LIGHTING - WAREHOUSE		3.21	#12	20	1	C	20	1	#12	3.21	LIGHTING - WAREHOUSE		6																	
7	LIGHTING - WAREHOUSE		3.21	#10	20	1	A	20	1	#10	3.21	LIGHTING - WAREHOUSE		8																	
9	MAU-2 (7.5 HP)		3.05	#12	25	3	B	25	3	#10	3.05	MAU-3 (7.5 HP)		10																	
11	▼		3.05	▼	▼	▼	C	▼	▼	▼	3.05	▼		12																	
13	▼		3.05	▼	▼	▼	A	▼	▼	▼	3.05	▼		14																	
15	CHD		0.80	#12	20	3	B	20	1			SPARE		16																	
17	▼		0.80	▼	▼	▼	C	20	1			SPARE		18																	
19	B		0.80	▼	▼	▼	A	20	1			SPARE		20																	
21	SPACE ONLY						B	20	1			SPARE		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 30KVA TRANSFORMER		2.52	#3	80	3	A					SPACE ONLY		38																	
39	▼		1.80	▼	▼	▼	B					SPACE ONLY		40																	
41	▼		2.16	▼	▼	▼	C					SPACE ONLY		42																	
												A	B	C																	
												22.3	15.1	15.5																	
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 "HV3"												VOLTS: 480Y/277V AMPS: 250A MLO				PHASE: 3Ø WIRE: 4W				LOCATION: WAREHOUSE MOUNTING: SURFACE				SHORT CIRCUIT RATING: PANEL LOAD:		18kAIC 43.4 kVA ( 52.2 A)								
CIR. NO.	DESCRIPTION											LOAD KVA	WIRE SIZE	AMPS	POLES	Ø	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	20	1	#8	2.89	LIGHTING - WAREHOUSE											6		
7	LIGHTING - WAREHOUSE											3.21	#8	20	1	A	20	1	#5	3.21	LIGHTING - WAREHOUSE											8		
9	MAU-4 (7.5 HP)											3.05	#12	25	3	B	20	3	#12	0.80	CHD											10		
11	▼											3.05	▼	▼	▼	▼	▼	▼	▼	▼	0.80	▼											12	
13	▼											3.05	▼	▼	▼	▼	▼	▼	▼	▼	0.80	▼											14	
15	SPARE																				SPARE											16		
17	SPARE													20	1	C	20	1			SPARE											18		
19	SPACE ONLY																				SPACE ONLY											20		
21	SPACE ONLY																				SPACE ONLY											22		
23	SPACE ONLY																				SPACE ONLY											24		
25	SPACE ONLY																				SPACE ONLY											26		
27	SPACE ONLY																				SPACE ONLY											28		
29	SPACE ONLY																				SPACE ONLY											30		
31	SPACE ONLY																				SPACE ONLY											32		
33	SPACE ONLY																				SPACE ONLY											34		
35	SPACE ONLY																				SPACE ONLY											36		
37	PANEL "LV2" THRU 300VA TRANSFORMER											3.96	#3	80	3	A					SPACE ONLY											38		
39	▼											1.98	▼	▼	▼	▼	▼	▼	▼		SPACE ONLY											40		
41	▼											2.16	▼	▼	▼	▼	▼	▼	▼	A	B	C	SPACE ONLY											42
												20.0	11.8	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) TRIM.																																		