PANEL DESIGNATION:	DMIN OFFICE ELECTRICAL ROOM					ARKS:						
SEF		RVICE: 480Y/277 V			3 PHASE, 4 WIRE							
LP-A		MAIN BUS RATING:			-							
—· / ·		MAIN CIRCUIT BREAKER:			300 AMPS			NEUTRAL BUS: 100%				
	SCC RA	ATING (SYM.): MOUNTING:		10 k A.I.C. SURFACE MOUNTED			-	GRO	OUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
SERVICE TO:	TRIP	NO.	A			NO. TRIP		SERVICE TO:				
PARTIAL WAREHOUSE UNDERSIDE LIGHTING			1	440			2	20A	SPARE			
2ND MEZZANINE PARK DECK LIGHTING		20A	3		573		4	20A	1ST MEZZANINE CORRIDOR LIGHTING			
1ST MEZZANINE OPERATIONS OFFICES LIGHTING		20A	5			190	6	20A	1ST MEZZANINE DELIVERY ROOM LIGHTING			
1ST MEZZANINE CLOSET AND TO	ILET LIGHTING	20A	7	209			8	20A	1ST MEZZANINE BREAK ROOM LIGHTING			
2ND MEZZANINE LIGHTING			9		1633		10	20A	2ND MEZZANINE PARK DECK LIGHTING			
ADMIN LEVEL LIGHTING			11			2622	12	20A	ADMIN LEVEL LIGHTING			
SPARE		20A	13	0			14	20A	SPARE			
SPARE		20A	15		0		16	20A	SPARE			
SPARE		20A	17			0	18	20A	SPARE			
SPARE		20A	19	0			20	20A	SPARE			
SPARE		20A	21		483		22	20A	PARKING DECK UNDERSIDE EAST LIGHTING			
PARKING DECK UNDERSIDE EAST LIGTHING		20A	23			11379	24	50A	1ST MEZZ. WATER HEATER 'WH(2)'			
1ST MEZZ. WATER HEATER 'WH(1)'		80A	25	28530			26	50A	2ND MEZZ. WATER HEATER 'WH(2)'			
2ND MEZZ. WATER HEATER 'WH(1)'		80A	27		28530		28	50A	ADMIN WATER HEATER 'WH(2)'			
ADMIN WATER HEATER 'WH(1)'		80A	29			28530	30	50A	ADMIN WATER HEATER 'WH(2)'			
ADMIN WATER HEATER 'WH(3)'		40A	31	13850			32	25A	1ST MEZZ WATER HEATER 'WH(4)'			
2ND MEZZ. WATER HEATER 'WH(3)'		40A	33		13850		34	25A	1ST MEZZ. WATER HEATER 'WH(4)'			
ADMIN WATER HEATER 'WH(3)'		40A	35			8310	36	20A	SPARE			
SPARE		20A	37	0			38	20A	SPARE			
SPARE		20A	39		0		40	20A	SPARE			
SPARE		20A	41			0	42	20A	SPARE			
TOTAL CONNECTED LOAD PER PHASE (kVA)					45.07	51.03						
TOTAL CONNECTED LOAD					139.13 KVA			7.3 A				
	TOTAL DEN	MAND LO	DAD	140.74 KVA			16	9.3 A				

PANEL DESIGNATION:	LOCATION:	: EMER	GENC	YELEC	TRICAL I	ROOM	REMA	ARKS:	
	SERVICE:	1			HASE, 4 V	VIRE	1		
EM-LP-B	MAIN BUS RATING:		100 AMPS			<u> </u>			
		MAIN CIRCUIT BREAKER:		60 AMPS				NEUTRAL BUS: 100%	
	SCC RATING (SYM.):		18 k A.I.C.				GRO	UNDING: EQUIPMENT GROUND BUS: YES	
		_	MOUNTING:		SURFACE MOUNTED				ISOLATED GROUND BUS: NO
SERVICE TO:		TRIP	NO.	Α	В	С	NO.	TRIP	SERVICE TO:
NORTH ASRS EMERGENCY	LIGHTING	20A	1	947			2	20A	SPARE
NORTH ASRS EMERGENCY	LIGHTING	20A	3		947		4	20A	SPARE
NORTH ASRS EMERGENCY	LIGHTING	20A	5			920	6	20A	SPARE
NORTH ASRS EMERGENCY	LIGHTING	20A	7	920			8	20A	SPARE
NORTH ASRS EMERGENCY	LIGHTING	20A	9		920		10	20A	SPARE
SOUTH ASRS EMERGENCY	LIGHTING	20A	11			920	12	20A	SPARE
SPARE		20A	13	0			14	20A	SPARE
SPARE		20A	15		0		16	20A	SPARE
SPARE		20A	17			0	18	20A	SPARE
SPARE SPARE			19	0			20	20A	SPARE
			21		0		22	20A	SPARE
SPARE			23			0	24	20A	SPARE
SPARE			25	0			26	20A	SPARE
SPARE		20A	27		0		28	20A	SPARE
SPARE		20A	29			0	30	20A	SPARE
TOTAL CONNECTED LOAD PER PHASE (kVA)				1.87	1.87	1.84			
TOTAL CONNECTED LOAD					5.57 KVA			.7 A	
MINIMUM FEEDER SIZE PER ARTICLE 220				6.97 KVA		8.	.4 A		

MAIN BUS R IN CIRCUIT BRE SCC RATING	AKER: (SYM.): NTING:	100 AM 60 AM 18 k A	PS		NO. 2 4 6		RAL BUS: 100% UNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO SERVICE TO: SPARE SPARE
N CIRCUIT BRE SCC RATING MOU TRIP IG 20A IG 20A	(SYM.): NTING: NO. 1 3 5	60 AM 18 k A SURF A 920	PS I.C. ACE MOU	С	2	GRO TRIP 20A	UNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO SERVICE TO: SPARE
SCC RATING MOU TRIP	(SYM.): NTING: NO. 1 3 5 7	18 k A SURF, A 920	ACE MOU	С	2	GRO TRIP 20A	UNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO SERVICE TO: SPARE
MOU TRIP G 20A G 20A G 20A G 20A	NO. 1 3 5 7	SURF A 920	ACE MOU	С	2	TRIP 20A	UNDING: ISOLATED GROUND BUS: NO SERVICE TO: SPARE
TRIP G 20A G 20A G 20A G 20A	NO. 1 3 5 7	A 920	В	С	2	TRIP 20A	SERVICE TO: SPARE
G 20A G 20A G 20A G 20A	1 3 5 7	920			2	20A	SPARE
G 20A G 20A G 20A	3 5 7		798	825	4		
G 20A	5 7	920	798	825	-	20A	SPARE
G 20A	7	920		825	6		
		920			0	20A	SPARE
G 20A	9				8	20A	SPARE
	1 -		920		10	20A	SPARE
IG 20A	11			920	12	20A	SPARE
20A	13	0			14	20A	SPARE
20A	15		0		16	20A	SPARE
20A	17			0	18	20A	SPARE
20A	19	0			20	20A	SPARE
20A	21		0		22	20A	SPARE
20A	23			0	24	20A	SPARE
20A	25	0			26	20A	SPARE
20A	27		0		28	20A	SPARE
SPARE 20A				0	30	20A	SPARE
TOTAL CONNECTED LOAD PER PHASE (kVA)				1.75			
TOTAL CONNECTED LOAD					6.	.4 A	
	20A 20A 20A 20A 20A 20A D PER PHASE CONNECTED L	20A 21 20A 23 20A 25 20A 27 20A 29 D PER PHASE (kVA)	20A 21 20A 23 20A 25 0 20A 27 20A 29 D PER PHASE (kVA) 1.84 CONNECTED LOAD	20A 21 0 20A 23 20A 25 0 20A 27 0 20A 29 D PER PHASE (kVA) 1.84 1.72 CONNECTED LOAD 5.30 KVA	20A 21 0 0 20A 23 0 0 20A 25 0 0 20A 27 0 20A 29 0 0 D PER PHASE (kVA) 1.84 1.72 1.75 CONNECTED LOAD 5.30 KVA	20A 21 0 22 20A 23 0 24 20A 25 0 26 20A 27 0 28 20A 29 0 30 D PER PHASE (kVA) 1.84 1.72 1.75 CONNECTED LOAD 5.30 KVA 6	20A 21 0 22 20A 20A 23 0 24 20A 20A 25 0 26 20A 20A 27 0 28 20A 20A 29 0 30 20A D PER PHASE (kVA) 1.84 1.72 1.75 CONNECTED LOAD 5.30 KVA 6.4 A

NOTES:

- REFER TO CONTRACT DRAWING F-001 FOR ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES, AND DRAWING LIST.
- 2. REFER TO CONTRACT DRAWINGS F-701, F-702, AND F-703 FOR ELECTRICAL ONE-LINE DIAGRAMS.
- 3. ALL 277/480V AND 120/208V FEEDERS AND BRANCH CIRCUIT CONDUCTORS SHALL BE ALUMINUM. CONTRACTOR SHALL PERFORM VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND APPROPRIATELY SIZE CONDUCTORS AND ASSOCIATED CONDUITS BASED ON THE 2017 NATIONAL ELECTRIC CODE.
- 4. ALUMINUM CONDUCTORS SHALL BE UL LISTED AND COMPLY WITH ASTM B800, ASTM B801, UL 486C, AND ANSI H35.2-2017. INSTALLATION OF ALUMINUM CONDUCTORS SHALL BE INSTALLED IN COMPLIANCE WITH ANSI/NECA/AA 104-2012.
- 5. ALL SPLICES, TERMINATIONS, TAPS, AND CONDUCTOR CONNECTORS SHALL BE COMPATIBLE WITH CONDUCTOR MATERIAL. USE OXIDE INHIBITOR IN EACH SPLICE, TERMINATION, AND TAP FOR ALUMINUM CONDUCTORS.

ARCHITECT

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MANHATTAN BEER DISTRIBUTORS 20 DUNNIGAN DRIVE SUFFERN, NEW YORK

KEY PLAN

REV	DESCRIPTION	DATE
	ISSUED FOR DOB SUBMISSION	09/10/2021
	ISSUED FOR BID	10/15/2021
	ISSUED FOR PROGRESS	01/18/2022
	ISSUED FOR BIONSTRUCTION	08/36/2022

DRAWN BY :	M.DIMATTIA
CHECKED BY:	B.NEMCHEK
APPROVED BY :	J.MIZRAHI
DATE :	09/10/21
SCALE:	N.T.S.

ELECTRICAL PANEL SCHEDULES SHEET 6 OF 6

DWG NUMBER :

E-606

TO THE BEST KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.