

A PANELBOARD											
SERVES: WHOLE BUILDING LOCATION: ELEC. CABINET MOUNTING: RECESSED					208Y/120V, 3PH, 4W 600A, MLO 65000 AIC EQUIPMENT GROUND BUS ISOLATED GROUND BUS						
DESCRIPTION	WIRE	BRK	PL	KVA	A	KVA	B	KVA	C	DESCRIPTION	
1 WIC DISPLAY LITS/MENUBRD/LED	12	20	1	0.61	1.00					2 FAX '87' MGR 'B4C', COMP '49A'	2
3 HOOD CONTRL PNL 'W4'	12	20	1		0.50	0.60				12 MUSIC, VCR, MONITOR	4
5 SERVICE POS '94', PTR '86A' (2)	12	20	1				1.10	0.50		12 COMPUTER RECPT 'B3A' (2)	6
7 SPARE	12	20	1							20 SPARE	8
9 CARB. '48', 95-4-S3', FLY LT (1)	12	20	1		0.91	1.41				20 CHF-25 'M10' AIR CURTAIN	10
11 RICE WARMER '54' (1)	12	20	1				0.11	1.41		12 REAR DOOR - FLY FAN 'MBA'	12
13 REF. PREP TABLE '34A' (1)	12	20	1	1.44	1.18					12 SPACE	14
15 REF. PREP TABLE '34D' (1)	12	20	1		1.08					10 INDUCT WELL 3J, 3K-GFI (1,4)	16
17 UNDER CTR FRZR '30K' (1,4)	10	20	1				1.08			10 INDUCT WELL 3J, 3K-GFI (1,4)	18
19 BEV. '4AB', ICE MAC. '10J' (1)	12	20	1	0.31	1.30					10 INDUCT WELL 3J, 3K-GFI (1,4)	20
21 SERVING COUNTER	12	20	1		0.18	1.30				10 INDUCT WELL 3J, 3K-GFI (1,4)	22
23 ICE TEA BREWER '9D'	12	20	1				1.78	1.30		10 INDUCT WELL 3J, 3K-GFI (1,4)	24
25 FOOD PROCESSOR '53'	12	20	1	1.20	1.30					10 INDUCT WELL 3J, 3K-GFI (1,4)	26
27 SPACE	12	20	1			1.30				10 INDUCT WELL 3J, 3K-GFI (1,4)	28
29 WALK-IN COOLER COIL '31M' (1)	12	20	1				0.24	1.30		10 INDUCT WELL 3J, 3K-GFI (1,4)	30
31 RICE HOLD CABINET '24H' (1,4)	10	20	1	1.78	1.30					10 INDUCT WELL 3J, 3K-GFI (1,4)	32
33 (SHUNT)	12	20	1				0.84			12 RAD TOP HEATER '1S2B2' (1)	34
35 SPACE	12	20	1					1.10		12 RAD TOP HEATER '1S2B2' (1)	36
37 SPACE	12	20	1		1.10					12 RAD TOP HEATER '1S2B2' (1)	38
39 HEAT WRAP '32-S7' (4)	12	20	1		0.50					20 SPARE	40
41 SPARE	12	20	1							20 SPARE	42
SECTION: 2											
43 DUCT DETECTORS	12	20	1	0.20						20 SPARE	44
45 LIG-FOOD PREP/EF-3 (4)	10	20	1		1.22					20 SPARE	46
47 LIG - DINING AREA	12	20	1				0.95	1.40		12 MICROWAVE - 55A (1)	48
49 SHOW WINDOW RECPTS	12	20	1	0.72	1.40					12 FUTURE EQUIPMENT	50
51 GENERAL RECPTS	12	20	1		0.72	0.18				20 SPARE	52
53 EXTERIOR RECPTS	12	20	1				0.36			12 ICE MACHINE COND. '10J' (1)	54
55 SHOW WINDOW RECPTS	10	20	1	0.90	1.23					12 WALK IN FRZR COND. '32-S1' (1)	56
57 SEC. MONITOR/HME - RECPTS	12	20	1		0.50	1.23				12 WALK IN COOL COND '31-S' (1)	62
59 GAS WATER HEATER - P2, GFCI	12	20	1				1.80	1.04			64
61 SPARE	20	1			1.04						66
63 LIGHTING - RESTROOMS	12	20	1		0.07	1.04					68
65 INDUC DR WELL 3J, 3K-GFI (1,4)	10	20	1				1.80	1.04			70
67 PNLBD B	200	3		7.27	6.00	6.73	6.00				72
69							7.57	6.00			74
71											76
73 SPACE					6.00						78
75 SPACE						6.00					80
77 SPACE							6.00				82
79 SPACE					6.00						84
81 SPARE						6.00					
83 SPARE							6.00				
TOTAL				43.28	38.32	43.88				KVA	
PER NEC ARTICLE 220				361	319	366				AMPS	
TOTAL LOAD				125.48		348				AMPS	
FEEDER LOAD				113.39		315				AMPS	

B PANELBOARD											
SERVES: WHOLE BUILDING LOCATION: ELEC CABINET MOUNTING: RECESSED					208Y/120V, 3PH, 4W 200A, MLO 65000 AIC EQUIPMENT GROUND BUS						
DESCRIPTION	WIRE	BRK	PL	KVA	A	KVA	B	KVA	C	DESCRIPTION	
1 LOGO 'S2' I.D. SIGN 'S1' (3)	10	20	1	1.20						1 SPARE	2
3 SPARE	12	20	1							12 SPARE	4
5 SPARE	20	1						0.96		12 21G M1345 FRYER (1)	6
7 SPARE	20	1								12 (SHUNT)	8
9 SPARE	20	1				0.40				12 LIGHTING CONTROL/TIMECLOCKS	10
11 SPARE	20	1						3.00		12 (SHUNT)	12
13 SPARE	20	1								8 ELECTRIC GRILL - "23B" (1)	14
15 DINING TV'S	12	20	1		3.00					12 SPACE	16
17 SPACE						0.26	3.00			12 SPACE	18
19 SPACE										12 SPACE	20
21 SPACE										12 SPACE	22
23 SPACE										12 SPACE	24
25 SPACE					0.71					12 EF-1	26
27 SPACE						0.71				12 EF-1	28
29 RTU'S CONVENIENT RECPTS	12	20	1				0.54	0.71		12 MAU	30
31 SPACE					0.71						32
33 SPACE						0.71					34
35 SPACE							0.71				36
37 SPACE					1.80						38
39 SPACE						1.80					40
41 SPACE							1.80				42
TOTAL				7.42	6.88	7.72				KVA	
PER NEC ARTICLE 220				62	57	64				AMPS	
TOTAL LOAD				22.02		51				AMPS	
FEEDER LOAD				22.32		52				AMPS	

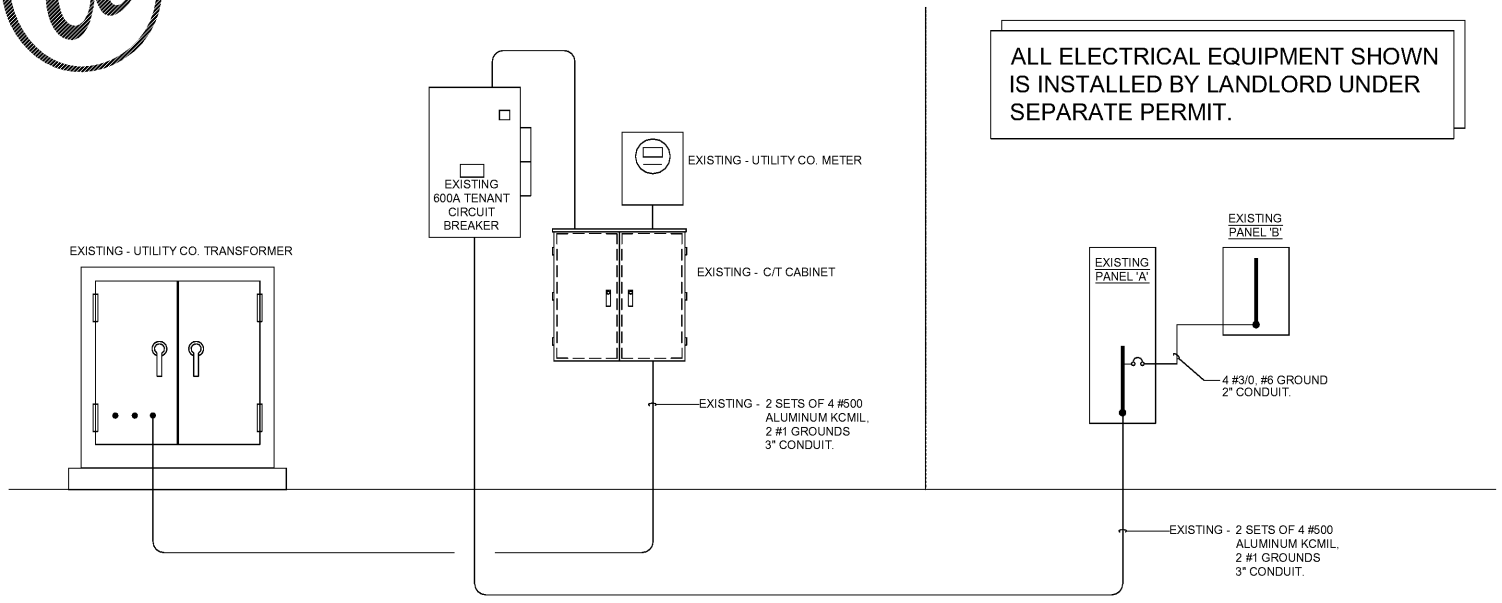
PANEL SCHEDULES 1
NOT TO SCALE E-601

TENANT ELECTRICAL SERVICE LOAD SUMMARY	
TENANT OCCUPANCY TYPE:	M SERVICE DESCRIPTION:
TENANT SQUARE FOOTAGE:	2,200 208Y/120V, 3PH, 4W
LOAD SUMMARY CALCULATIONS ARE BASED ON NEC 2017	
SECTION 220.88 OPTIONAL METHOD FOR NEW RESTAURANTS.	
EXISTING PEAK UTILITY LOAD @ 0.9 pf	N/A 125%
HVAC - SUMMER	56.95 KVA
HVAC - WINTER	0.00 KVA
LIGHTING (PER NEC-220)	6.60 KVA
RECEPTACLES	1.80 KVA
KITCHEN EQUIPMENT	30.17 KVA
MOTOR LOADS	9.66 KVA
LARGEST MOTOR LOAD	0.00 KVA
SUPPLEMENTAL ELECTRIC HEAT	2.30 KVA
MISCELLANEOUS EQUIPMENT	13.76 KVA
REFRIGERATION EQUIPMENT	6.66 KVA
DISPLAY CASES/SIGNAGE	1.20 KVA
HIDE THIS ROW WHEN USING THIS TABLE	
EXTERIOR LIGHTING	3.81 KVA
EXISTING LOAD TO BE DELETED	0.00 100%
CONNECTED LOAD	133.10 KVA
100% OF AMOUNT UNDER 200	
TOTAL DEMAND LOAD	133.10 KVA
TOTAL DEMAND AMPACITY	369.46 AMPS
SERVICE AMPACITY	600 AMPS
SPARE CAPACITY	230.54 AMPS

- PANELBOARD NOTES ()
- (1) KITCHEN EQUIPMENT SHOWN AT 65% IN PANEL TOTALS PER NEC (KITCHEN EQUIPMENT).
 - (2) TERMINATE GROUND ON ISOLATED GROUND BUS.
 - (3) ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR, CONTROLLED BY TIMECLOCK. REFER TO DETAILS, SHEET 11/E-400.
 - (4) WIRE SIZE INCREASE DUE TO VOLTAGE DROP. SIZE EQUIPMENT GROUND CONDUCTOR PROPORTIONALLY PER NEC.
 - (5) REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.

1. UNLESS NOTED, ALL DEVICES AND TERMINATIONS 100 AMPS AND LESS TO BE RATED FOR 60°C WIRE, OVER 100 AMPS, 75°C WIRE.
2. CONTRACTOR TO SUBMIT SERVICE ENTRANCE GEAR SHOP DRAWINGS TO SERVING UTILITY COMPANY FOR APPROVAL.
3. ALL WIRE #8 AND SMALLER TO BE THWN/THHN CU.; #6 AND LARGER TO BE XHHW CU.
4. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED LOAD CALCULATIONS AND VERIFIES THAT ALL UPSTREAM PANELS AND EQUIPMENT ARE NOT OVERLOADED.

SINGLE LINE DIAGRAM GENERAL NOTES 3
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ALL ELECTRICAL EQUIPMENT SHOWN IS INSTALLED BY LANDLORD UNDER SEPARATE PERMIT.

EXISTING SINGLE LINE DIAGRAM 2
NOT TO SCALE E-601



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REVISIONS:
A 08.08.19 ISSUE FOR BID

ISSUE DATE:
1 05.29.19 ISSUE FOR PERMIT
2 08.08.19 ISSUE FOR BID

DRAWN BY: JEL

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08.08.2019

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E-601

PANELS, SINGLE LINE, LOAD CALC