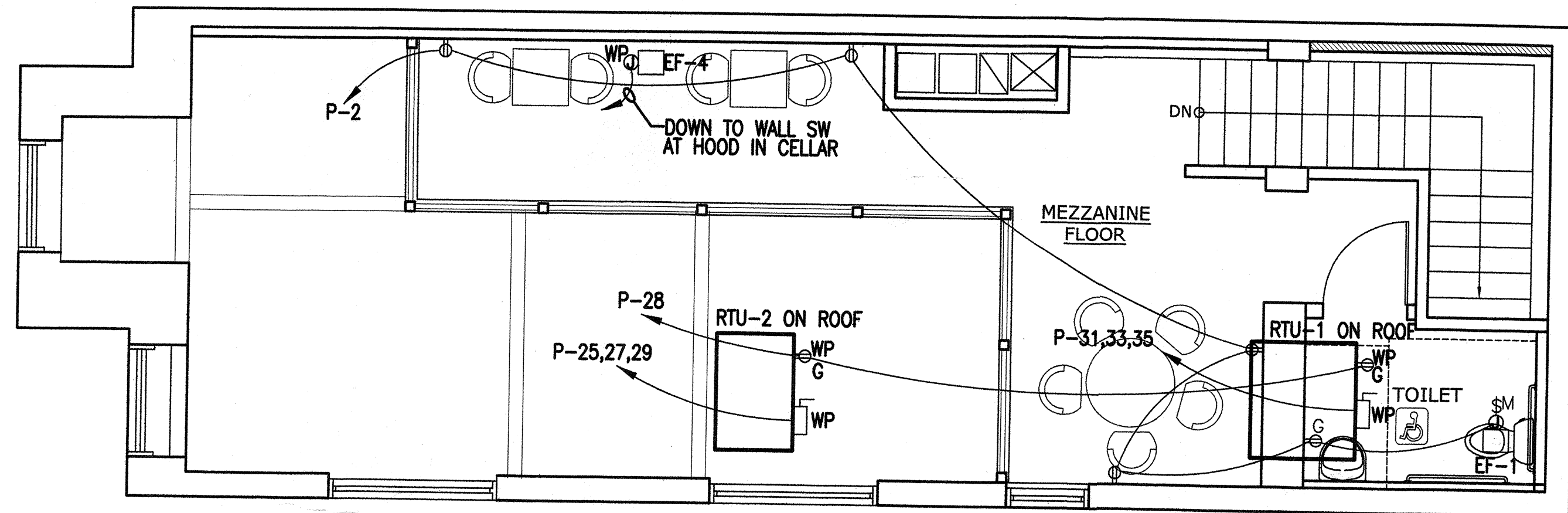
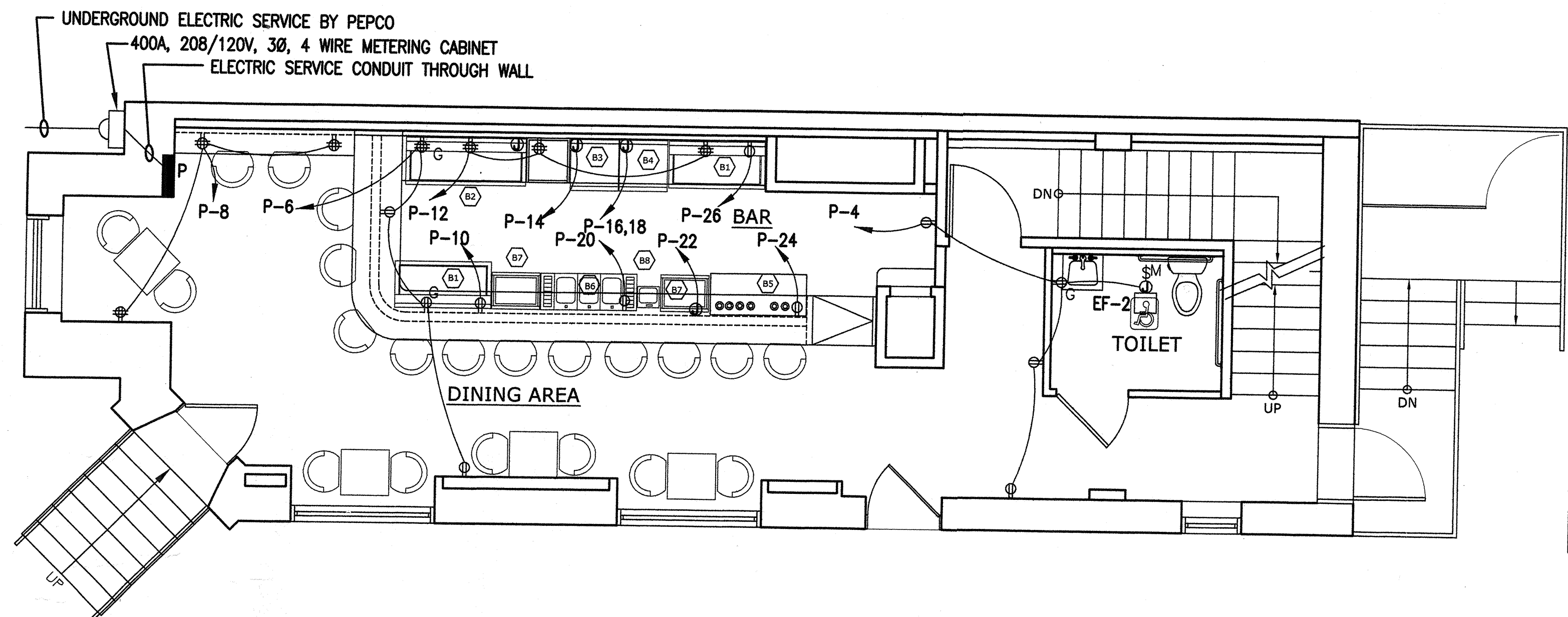




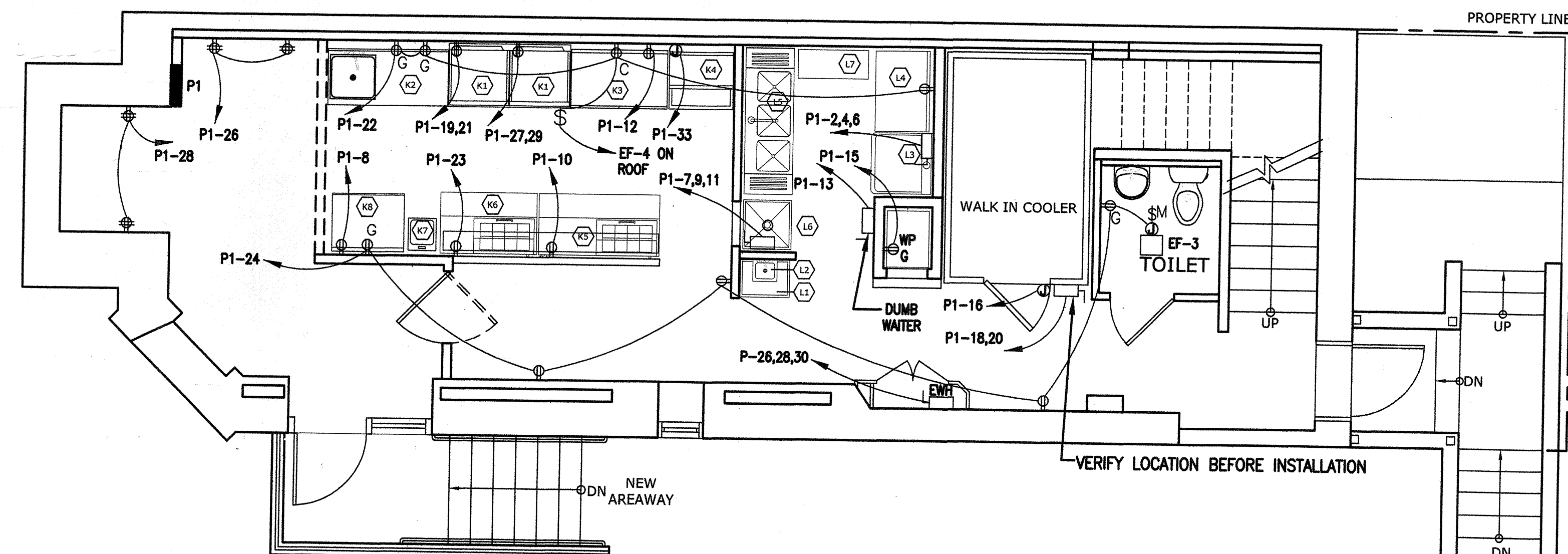
SECOND FLR
MEZZANINE - POWER PLAN

SCALE: 1/4" = 1'-0"



FIRST FLOOR - POWER PLAN

SCALE: 1/4" = 1'-0"



CELLAR LEVEL - KITCHEN & EQUIPMENT POWER PLAN

SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE									
No.	DESCRIPTION	ELECTRICAL			WIRING			REMARKS	
		HP/KW	A/MCA	V/HZ/PH	PH	GRD	C		
	KITCHEN								
(K1)	CONVECTION OVEN		30	208/60/1	#10	#10	3/4"	MERRYCHEF (elkon 4) NEMA 6-30R RECP	
(K3)	48" WORK TOP REFRIGERATOR	1/6 HP	3.9	120/60/1	#12	#12	1/2"	NEMA 5-20R	
(K4)	ICE-MAKER	----	17.1	120/60/1	#10	#10	1/2"	J. BOX	
(K5)	60" SALAD PREP.	1/3 HP	15	120/60/1	#12	#12	1/2"	NEMA 5-20R	
(K6)	FOOD PREP TABLE	----	8.6	120/60/1	#12	#12	3/4"	NEMA 5-20R	
(K8)	36" WORK TOP REFRIGERATOR	1/6 HP	3.9	120/60/1	#12	#12	1/2"	NEMA 5-20R	
EW1	WATER HEATER	18 KW	-	208/60/3	#6	#8	1"	3P60A FUSED DISC SW	
	WASH AREA								
(L2)	HAND SINK	2	----	208/60/1	2	----	1/2"	----	
(L3)	DISH WASHER	1	28	208/60/3	#8	#10	1"	3P40A FUSED DISC. SW	
(L6)	GARB DISPOSAL	1	----	208/60/3	#12	#12	1/2"	3P20A FUSED DISC. SW.	
	BAR EQUIPMENTS								
(B1)	48" WINE COOLER	----	3.5	120/60/1	#12	#12	1/2"	NEMA 5-20R	
(B2)	UNDER COUNTER CABINET	----	----	----	----	----	----	----	
(B3)	ICE-MAKER	----	11.9	120/60/1	#12	#12	1/2"	J. BOX	
(B4)	GLASS WASHER	1/2	12.9	208/60/1	#12	#12	1/2"	J. BOX	
(B5)	48" BEER COOLER	1/3	7.0	120/60/1	#12	#12	1/2"	NEMA 5-20R	
(B6)	48" BEER COOLER	1/3	7.0	120/60/1	#12	#12	1/2"	NEMA 5-20R	
(B7)	ICE BIN	----	----	----	----	----	----	KROWNE 1800 1824	
(B8)	HAND SINK	----	----	----	----	----	----	KROWNE	
(B9)	THREE COMPARTMENT SINK	----	----	----	----	----	----	EAGLE B4R-18	
(B10)	36" BEER COOLER	1/3	7.0	120/60/1	#12	#12	1/2"	NEMA 5-20R	
EW1	WATER HEATER	48 KW	-	208/60/3	#2/0	#6	2"	3P175A FUSED DISC SW	
RTU-1	ROOF TOP UNIT-1	-	23.9 MCA	208/60/3	#10	#10	3/4"	3P30A FUSED DISC SW, W	
RTU-2	ROOF TOP UNIT-2	-	13.2 MCA	208/60/3	#12	#12	3/4"	3P20A FUSED DISC SW, W	
EF-1,2,3	TOILET EX. FANS	105 W	-	120/60/1	#12	#12	1/2"	SEE NOTE 1 BELOW	
EF-4	HOOD EX. FAN	1/12 HP	-	120/60/1	#12	#12	1/2"	SEE NOTE 2 BELOW	
NOTE 1: TOILET EXHAUST FANS SWITCHED WITH WALL SWITCH MOUNTED ADJACENT TO LIGHT SWITCH									
NOTE 2: HOOD EXHAUST FANS SWITCHED WITH WALL SWITCH MOUNTED ADJACENT TO HOOD IN BASEMENT/CELLAR									

NOTE 1: TOILET EXHAUST FANS SWITCHED WITH WALL SWITCH MOUNTED ADJACENT TO LIGHT SWITCH
NOTE 2: HOOD EXHAUST FANS SWITCHED WITH WALL SWITCH MOUNTED ADJACENT TO HOOD IN BASEMENT/CELLAR

CT. NO.		LOAD		TRIP		WIRE SIZE		COND. SIZE		VA		PH		TRIP		WIRE SIZE		COND. SIZE		LOAD		CT. NO.	
1	EXIT EMERG LIGHTING	1	20	#12	1/2"	800	#8	1200	#8	900	#8	120	#12	1/2"	RECEPTACLES-MEZZANINE	2							
3	LIGHTING-MEZZANINE LEVEL	1	20	#12	1/2"	1200	#8	1200	#8	720	#8	120	#12	1/2"	RECEPTACLES-FIRST FLOOR	4							
5	LIGHTING-MEZZANINE LEVEL	1	20	#12	1/2"	1200	#8	1200	#8	720	#8	120	#12	1/2"	RECEPTACLES-FIRST FLOOR	6							
7	LIGHTING-EXTERIOR	1	20	#12	1/2"	800	#8	1000	#8	1080	#8	120	#12	1/2"	RECEPTACLES-FIRST FLOOR	8							
9	CEILING FANS	1	20	#12	1/2"	1000	#8	1000	#8	4000	#8	2	#8	1"	B1 UNDER BAR REFRIGERATOR	10							
11	LIGHTING-FIRST FLOOR - BAR	1	20	#12	1/2"	1000	#8	1000	#8	4000	#8	2	#8	1"	B4 GLASS WASHER	12							
13	LIGHTING-FIRST FLOOR	1	20	#12	1/2"	1000	#8	1000	#8	4000	#8	2	#8	1"		14							
15	SPARE	1	20	-	-	-	-	-	-	360	#8	1	#12	1/2"	RECEPTACLES ON ROOF	16							
17	SPARE	1	20	-	-	-	-	-	-	1500	#8	2	#10	1/2"	WALK-IN COOLER	18							
19	SPARE	1	20	-	-	-	-	-	-	1500	#8	1	#10	1/2"		20							
21	SPARE	1	20	-	-	-	-	-	-	-	#8	1	#10	1/2"		22							
23	SPARE	1	20	-	-	-	-	-	-	-	#8	1	#10	1/2"		24							
25	RTU-2	3	20	#12	3/4"	1440	#8	1440	#8	18000	#8	3	#2/0	2.5"	EW1	26							
27		1	20	#12	1/2"	1440	#8	1440	#8	18000	#8	1	#2/0	2.5"		28							
29		1	20	#12	1/2"	1440	#8	1440	#8	18000	#8	1	#2/0	2.5"		30							
31	RTU-1	3	30	#10	3/4"	1800	#8	1800	#8	-	#8	1	#10	1/2"	SPACE	32							
33		1	20	#10	1/2"	1800	#8	1800	#8	-	#8	1	#10	1/2"		34							
35		1	20	#10	1/2"	1800	#8	1800	#8	-	#8	1	#10	1/2"		36							
37	PANEL P1	3	200	#3/0	2.5"	18620	#8	15370	#8	-	#8	1	#10	1/2"		38							
39		1	20	#3/0	2.5"	14360	#8	14360	#8	-	#8	1	#10	1/2"		40							
41		1	20	#3/0	2.5"	14360	#8	14360	#8	-	#8	1	#10	1/2"		42							
TOTALS						22460	20810	19800		23380	18030	22220											

NOTES: THE TOTAL CONNECTED LOAD IS 126,77 VA, WHICH IS 352 AMPS PER PHASE
RECOMMEND A 400A, 208/120V, 3Ø, 4 WIRE ELECTRICAL SERVICE TO THE FACILITY

GOVERNMENT OF THE DISTRICT OF COLUMBIA PERMIT OPERATIONS DIVISION

Electrical wiring must conform to the National Electrical Code

ELECTRICAL ENGINEERING SECTION

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REVISIONS

SEAL
DISTRICT OF COLUMBIA
ARCHITECT
No. 0471
PROFESSIONAL ENGINEER

DATE
10/28/2012

SHEET NUMBER
E-1