LC

LIGHTING PANELBOARD

REMARKS
1. SURFACE MOUNTED TO WLL – SUPPLIED FROM WIREWAY BELOW PANEL
2. NEMA 1 – PROVIDE GROUND BUS – CU. BUS BARS.
3. ALL KITCHEN DEVICES/RECEPTACLE BREAKERS SHALL BE GFCI
4. VERIFY ALL KITCHEN EQUIPMENT VOLTAGE AND AMPS PRIOR TO CONNECTION
5. ALL HVAC EQUIPMENT TO BE "HACR" BREAKER TYPE PROTECTED.

300 AMP MCB
208 VOLT P–P
120 VOLT P–N
3 PHASE
4 WIRE
22000 AIC SYMMETRICAL

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CKT BKR AMP /P	NO	NO	CKT BKR AMP /P	WIRE	DESCRIPTION	TYPE	LOAD (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
		81.2	0.0	29253	AC	RTU–1	#2	100 /3	1	2	50 /3	#6	RTU–3	AC	15635.	0.0	43.4		
	81.2		0.0	0	AC		––		3	4		––		AC	0	0.0		43.4	
81.2		0.0	0.0	0	AC		––		5	6		––		AC	0	0.0	0.0		43.4
	0.0	66.1	0.0	23813	AC	RTU–2	#4	70 /3	7	8	30 /3	#10	DISHWASHER	KT	7654.	0.0	21.2	0.0	
	66.1	0.0	0.0	0	AC		––		9	10		––		KT	0	0.0	0.0	21.2	
66.1	0.0		0.0	0	AC		––		11	12		––		KT	0	0.0		0.0	21.2
		0.0	0.0	0	KT	CONVECTION OVEN	#8	40 /2	13	14	30 /3	––	SPARE		0	0.0	0.0		
	0.0		0.0	0	KT		––		15	16		––			0	0.0		0.0	
0.0		0.0	0.0	0			––	/1	17	18		––			0	0.0	0.0		0.0
	0.0	0.0	0.0	0			––	/1	19	20	/1	––			0	0.0	0.0	0.0	
	0.0	0.0	0.0	0			––	/1	21	22	/1	––			0	0.0	0.0	0.0	
0.0	0.0		0.0	0			––	/1	23	24	/1	––			0	0.0		0.0	0.0
		0.0	0.0	0			––	/1	25	26	/1	––			0	0.0	0.0		
	0.0		0.0	0			––	/1	27	28	/1	––			0	0.0		0.0	
0.0		0.0	0.0	0			––	/1	29	30	/1	––			0	0.0	0.0		0.0
	0.0	0.0	0.0	0			––	/1	31	32	/1	––			0	0.0	0.0	0.0	
	0.0	0.0	0.0	0			––	/1	33	34	/1	––			0	0.0	0.0	0.0	
0.0	0.0		0.0	0			––	/1	35	36	/1	––			0	0.0		0.0	0.0
		0.0	0.0	0			––	/1	37	38	/1	––			0	0.0	0.0		
	0.0		0.0	0			––	/1	39	40	/1	––			0	0.0		0.0	
0.0		0.0	0.0	0			––	/1	41	42	/1	––			0	0.0	0.0		0.0

CONNECTED LOADS

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION
0.0	0.0	0.0	0.0	0	HT	ELECTRIC HEAT
190.7	190.7	190.7	0.0	68701	AC	A/C REFRIGERATION
0.0	0.0	0.0	0.0	0	MM	MISC. MOTORS
0.0	0.0	0.0	0.0	0	WH	WATER HEATING
0.0	0.0	0.0	0.0	0	OL	OUTDOOR LIGHTING
0.0	0.0	0.0	0.0	0	LT	INDOOR LIGHTING
0.0	0.0	0.0	0.0	0	RP	RECEPTACLES
0.0	0.0	0.0	0.0	0	EX	WINDOW LIGHTS
0.0	0.0	0.0	0.0	0	MC	MISC. CONTINUOUS
0.0	0.0	0.0	0.0	0	MN	MISC. NON–CONTINU'S
21.2	21.2	21.2	0.0	7654	KT	KITCHEN EQUIPMENT
0.0	0.0	0.0	0.0	0	SF	SUB–FEED
211.9	211.9	211.9	0.0	76355		*** TOTAL ***
81.2	81.2	81.2		29253		LARGEST MOTOR

NEC COMPUTED LOADS
0

NEC FCTR	DESCRIPTION	0	TYPE	LOAD 0 (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
0.00	ELECTRIC HEAT		HT	0	0.0	0.0	0.0	0.0
1.00	A/C REFRIGERATION		AC	68701	0.0	190.7	190.7	190.7
1.00	MISC. MOTORS		MM	0	0.0	0.0	0.0	0.0
1.00	WATER HEATING		WH	0	0.0	0.0	0.0	0.0
1.25	OUTDOOR LIGHTING		OL	0	0.0	0.0	0.0	0.0
1.25	INDOOR LIGHTING		LT	0	0.0	0.0	0.0	0.0
220–13	RECEPTACLES		RP	0	0.0	0.0	0.0	0.0
1.25	WINDOW LIGHTS		EX	0	0.0	0.0	0.0	0.0
1.25	MISC. CONTINUOUS		MC	0	0.0	0.0	0.0	0.0
1.00	MISC. NON–CONTINU'S		MN	0	0.0	0.0	0.0	0.0
0.65	KITCHEN EQUIPMENT		KT	4975	0.0	13.8	13.8	13.8
1.00	SUB–FEED		SF	0	0.0	0.0	0.0	0.0
	FEED–THRU			0	0.0	0.0	0.0	0.0
0.25	LARGEST MOTOR		0	7313	0.0	20.3	20.3	20.3
	*** TOTAL ***			80989	0.0	224.8	224.8	224.8

LA

LIGHTING PANELBOARD

REMARKS
1. SURFACE MOUNTED TO WLL – SUPPLIED FROM WIREWAY BELOW PANEL
2. NEMA 1 – PROVIDE GROUND BUS – CU. BUS BARS.
3. ALL KITCHEN DEVICES/RECEPTACLE BREAKERS SHALL BE GFCI
4. ** BRANCH CIRCUIT CONTROLLED BY PHOTOCELL ON TIMECLOCK OFF
5. ALL HVAC EQUIPMENT TO BE "HACR" BREAKER TYPE PROTECTED.

200 AMP MCB
208 VOLT P–P
120 VOLT P–N
1 PHASE
3 WIRE
22000 AIC SYMMETRICAL

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CKT BKR AMP /P	NO	NO	CKT BKR AMP /P	WIRE	DESCRIPTION	TYPE	LOAD (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
		11.5	11.5	1200	OL	** SIGNAGE	#12	20 /1	1	2	20 /1	#12	EGRESS LIGHTING	MC	390	3.8	3.8		
	11.5		11.5	1200	OL	** SIGNAGE	#12	20 /1	3	4	20 /1	#12	KITCHEN LIGHTING	LT	1344	12.9		12.9	
0.0		3.5	3.5	360	RP	EXTERIOR RECPT.	#12	20 /1	5	6	20 /1	#12	DINING RM LIGHTING	LT	608	5.8	5.8		0.0
	6.9	0.0	6.9	720	RP	MENU BOARD	#12	20 /1	7	8	20 /1	#12	DINING RM LIGHTING	LT	1210	11.6	0.0	11.6	
	0.0	10.4	10.4	1080	RP	GENERAL RECPT.	#12	20 /1	9	10	20 /1	#12	EXT. RECPT.	RP	598	5.8	5.8	0.0	
0.0	6.9		6.9	720	RP	TV RECPT.	#12	20 /1	11	12	20 /1	#12	ROOF GFI RECPT.	RP	360	3.5		3.5	0.0
		3.5	3.5	360	RP	TOILET GFI RECPT.	#12	20 /1	13	14	20 /1	#12	ROOF GFI RECPT.	RP	360	3.5	3.5		
	9.6		9.6	996	KT	BEER COOLER BAR	#12	20 /1	15	16	20 /1	#12	HOOD CONTROLS	MN	720	6.9		6.9	
0.0		9.2	9.2	960	KT	BAR WINE FRIG.	#12	20 /1	17	18	20 /1	#12	HOOD CONTROLS	MN	720	6.9	6.9		0.0
	8.7	0.0	8.7	900	KT	U.C. BAR FRIG	#12	20 /1	19	20	20 /1	#12	BBQ RECPT.	KT	720	6.9	0.0	6.9	
	0.0	11.5	11.5	1200	KT	BAR KEG COOLER	#12	20 /1	21	22	20 /1	#12	PIT EXHAUST FAN	MM	1115	10.7	10.7	0.0	
0.0	9.0		9.0	936	KT	U.C. BAR FRIG	#12	20 /1	23	24	20 /1	––	SPARE		0	0.0		0.0	0.0
		16.0	0.0	3328	KT	MARGARITA MACHINE	#12	20 /2	25	26	20 /1	––	SPARE		0	0	0		
	16.0		0.0	0	KT		––		27	28	20 /1	––	SPARE		0	0.0		0.0	
0.0		9.2	9.2	960	KT	BAR WINE FRIG.	#12	20 /1	29	30	20 /1	#12	WF–1	MM	694	6.7	6.7		0.0
	5.8	0.0	5.8	600	RP	BAR POS	#12	20 /1	31	32	20 /1	#12	OFFICE RECPT.	RP	360	3.5	0.0	3.5	
	0.0	5.2	5.2	540	RP	BACK BAR RECPT.	#12	20 /1	33	34	20 /1	#12	POS RECPT.	MC	360	3.5	3.5	0.0	
0.0	1.9		1.9	200	KT	COOLER LIGHTS	#12	20 /1	35	36	20 /1	#12	SOUND SYSTEM	MC	720	6.9		6.9	0.0
		8.1	8.1	845	KT	COOLER COIL	#12	20 /1	37	38	20 /1	#12	ALARM	MC	360	3.5	3.5		
	7.1		0.0	1471	KT	COOLER COMP.	#10	30 /2	39	40	20 /1	#12	FF–1	MM	1115	10.7		10.7	
0.0		7.1	0.0	0	KT		––		41	42	20 /1	#12	FF–2	MM	1115	10.7	10.7		0.0

CONNECTED LOADS

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION
0.0	0.0	0.0	0.0	0	HT	ELECTRIC HEAT
0.0	0.0	0.0	0.0	0	AC	A/C REFRIGERATION
0.0	10.7	38.8	38.8	5154	MM	MISC. MOTORS
0.0	0.0	0.0	0.0	0	WH	WATER HEATING
0.0	11.5	11.5	11.5	2400	OL	OUTDOOR LIGHTING
0.0	24.6	5.8	24.6	3162	LT	INDOOR LIGHTING
0.0	26.5	31.7	31.7	6058	RP	RECEPTACLES
0.0	0.0	0.0	0.0	0	EX	WINDOW LIGHTS
0.0	6.9	10.7	10.7	1830	MC	MISC. CONTINUOUS
0.0	6.9	6.9	6.9	1440	MN	MISC. NON–CONTINU'S
0.0	59.1	61.2	38.1	12515	KT	KITCHEN EQUIPMENT
0.0	0.0	0.0	0.0	0	SF	SUB–FEED
0.0	146.3	166.7	143.7	32560		*** TOTAL ***
0.0	10.7	10.7		1115		LARGEST MOTOR

NEC COMPUTED LOADS
0

NEC FCTR	DESCRIPTION	0	TYPE	LOAD 0 (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
0.00	ELECTRIC HEAT		HT	0	0.0	0.0	0.0	0.0
1.00	A/C REFRIGERATION		AC	0	0.0	0.0	0.0	0.0
1.00	MISC. MOTORS		MM	5154	38.8	38.8	10.7	0.0
1.00	WATER HEATING		WH	0	0.0	0.0	0.0	0.0
1.25	OUTDOOR LIGHTING		OL	3000	14.4	14.4	14.4	0.0
1.25	INDOOR LIGHTING		LT	3953	30.7	7.3	30.7	0.0
220–13	RECEPTACLES		RP	6058	27.5	27.5	23.0	0.0
1.25	WINDOW LIGHTS		EX	0	0.0	0.0	0.0	0.0
1.25	MISC. CONTINUOUS		MC	2288	13.3	13.3	8.7	0.0
1.00	MISC. NON–CONTINU'S		MN	1440	6.9	6.9	6.9	0.0
0.65	KITCHEN EQUIPMENT		KT	8135	24.8	39.8	38.4	0.0
1.00	SUB–FEED		SF	0	0.0	0.0	0.0	0.0
	FEED–THRU			0	0.0	0.0	0.0	0.0
0.25	LARGEST MOTOR		0	279	0.0	2.7	2.7	0.0
	*** TOTAL ***			30306	135.8	150.8	135.5	0.0

LB

LIGHTING PANELBOARD

REMARKS
1. SURFACE MOUNTED TO WLL – SUPPLIED FROM WIREWAY BELOW PANEL
2. NEMA 1 – PROVIDE GROUND BUS – CU. BUS BARS.
3. ALL KITCHEN DEVICES/RECEPTACLE BREAKERS SHALL BE GFCI
4. VERIFY ALL KITCHEN EQUIPMENT VOLTAGE AND AMPS PRIOR TO CONNECTION
5. ALL HVAC EQUIPMENT TO BE "HACR" BREAKER TYPE PROTECTED.

200 AMP MCB
208 VOLT P–P
120 VOLT P–N
1 PHASE
3 WIRE
22000 AIC SYMMETRICAL

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CKT BKR AMP /P	NO	NO	CKT BKR AMP /P	WIRE	DESCRIPTION	TYPE	LOAD (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
		6.7	6.7	694	MM	EF–3	#12	20 /1	1	2	20 /1	#12	COOLER LIGHTS	MN	400	3.8	3.8		
	17.2		17.2	1790	MM	EF–2	#12	20 /1	3	4	20 /1	#12	COOLER COIL	MM	960	9.2		9.2	
0.0		17.2	17.2	1790	MM	EF–1	#12	20 /1	5	6	30 /2	#10	COOLER COMP.	MM	1470.	0.0	7.1		0.0
	10.7	0.0	10.7	1115	MM	SF–1	#12	20 /1	7	8		––		MM	0	0.0	0.0	7.1	
	0.0	0.0	0.0	0		shunt trip space	––		9	10	30 /1	#10	TEA MACHINE	KT	1200	11.5	11.5	0.0	
0.0	10.7		10.7	1115	MM	SF–2	#12	20 /1	11	12	30 /1	#10	TEA MACHINE	KT	1200	11.5		11.5	0.0
		0.0	0.0	0		shunt trip space	––		13	14	20 /1	#12	COKE MACHINE	KT	960	9.2	9.2		
	7.1		0.0	1471	KT	ICE MACHINE	#10	30 /2	15	16	20 /1	#12	WORK TABLE RECPT.	KT	720	6.9		6.9	
0.0		7.1	0.0	0	KT		––		17	18	20 /1	#12	U.C. FRIG	KT	960	9.2	9.2		0.0
	12.7	0.0	12.7	1320	KT	REACH–IN FREEZER	#12	20 /1	19	20	20 /1	#12	GLASS DOOR FRIG.	KT	1200	11.5	0.0	11.5	
	0.0	6.9	6.9	720	MM	HWRP–1/GWH CONTROLS	#12	20 /1	21	22	20 /1	#12	KITCHEN RECPT.	KT	720	6.9	6.9	0.0	
0.0	6.9		6.9	720	KT	RECPT.	#12	20 /1	23	24	20 /1	#12	REFRIGERATOR	KT	1020	9.8		9.8	0.0
		28.8	0.0	6000	KT	STEAMER	#8	40 /2	25	26	/1	––	shunt trip space		0	0.0	0.0		
	28.8		0.0	0	KT		––		27	28	20 /1	#12	PATATO WARMER	KT	1680	16.2		16.2	
0.0		28.8	0.0	6000	KT	STEAM TABLE	#8	40 /2	29	30	/1	––	shunt trip space		0	0.0	0.0		0.0
	28.8	0.0	0.0	0	KT		––		31	32	20 /1	#12	KITCHEN RECPT.	KT	720	6.9	0.0	6.9	
	0.0	6.9	6.9	720	KT	KITCHEN RECPT.	#12	20 /1	33	34	20 /1	#12	KITCHEN RECPT.	KT	720	6.9	6.9	0.0	
0.0	9.8		9.8	1020	KT	SALAD UNIT	#12	20 /1	35	36	20 /1	#12	STOVE CONTROLS	KT	480	4.6		4.6	0.0
		6.9	6.9	720	KT	COUNTER RECPT.	#12	20 /1	37	38	/1	––	shunt trip space		0	0.0	0.0		
	6.9		6.9	720	KT	COUNTER RECPT.	#12	20 /1	39	40	20 /1	––	SPARE		0	0.0		0.0	
0.0		16.2	16.2	1680	KT	HOT HOLDING CAB.	#12	20 /1	41	42	20 /1	––	SARE		0	0.0	0.0		0.0

CONNECTED LOADS

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION
0.0	0.0	0.0	0.0	0	HT	ELECTRIC HEAT
0.0	0.0	0.0	0.0	0	AC	A/C REFRIGERATION
0.0	55.0	37.9	47.9	9655	MM	MISC. MOTORS
0.0	0.0	0.0	0.0	0	WH	WATER HEATING
0.0	0.0	0.0	0.0	0	OL	OUTDOOR LIGHTING
0.0	0.0	0.0	0.0	0	LT	INDOOR LIGHTING
0.0	0.0	0.0	0.0	0	RP	RECEPTACLES
0.0	0.0	0.0	0.0	0	EX	WINDOW LIGHTS
0.0	0.0	0.0	0.0	0	MC	MISC. CONTINUOUS
0.0	0.0	3.8	3.8	400	MN	MISC. NON–CONTINU'S
0.0	168.6	138.6	103.8	31951	KT	KITCHEN EQUIPMENT
0.0	0.0	0.0	0.0	0	SF	SUB–FEED
0.0	223.6	180.3	151.7	42006		*** TOTAL ***
0.0	17.2	17.2		1790		LARGEST MOTOR

NEC COMPUTED LOADS
0

NEC FCTR	DESCRIPTION	0	TYPE	LOAD 0 (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
0.00	ELECTRIC HEAT		HT	0	0.0	0.0	0.0	0.0
1.00	A/C REFRIGERATION		AC	0	0.0	0.0	0.0	0.0
1.00	MISC. MOTORS		MM	9655	47.9	37.9	55.0	0.0
1.00	WATER HEATING		WH	0	0.0	0.0	0.0	0.0
1.25	OUTDOOR LIGHTING		OL	0	0.0	0.0	0.0	0.0
1.25	INDOOR LIGHTING		LT	0	0.0	0.0	0.0	0.0
220–13	RECEPTACLES		RP	0	0.0	0.0	0.0	0.0
1.25	WINDOW LIGHTS		EX	0	0.0	0.0	0.0	0.0
1.25	MISC. CONTINUOUS		MC	0	0.0	0.0	0.0	0.0
1.00	MISC. NON–CONTINU'S		MN	400	3.8	3.8	0.0	0.0
0.65	KITCHEN EQUIPMENT		KT	20768	67.5	90.1	109.6	0.0
1.00	SUB–FEED		SF	0	0.0	0.0	0.0	0.0
	FEED–THRU			0	0.0	0.0	0.0	0.0
0.25	LARGEST MOTOR		0	448	0.0	4.3	4.3	0.0
	*** TOTAL ***			31270	119.7	136.1	168.9	0.0

1 ELECTRICAL PANEL SCHEDULES

ISSUE	DATE	DESCRIPTION
	06/29/11	PERMIT / CONSTRUCTION
1	10/13/11	PERMIT / CONSTRUCTION
2	11/16/11	CITY COMMENTS

PROJECT:

CONSTRUCTION FOR
Demeris Barbecue

1702 West Loop North
Houston, Texas 77092

ENGINEER:

STATE OF TEXAS
H.M. McLEOD JR.
REGISTERED
PROFESSIONAL ENGINEER

THIS SEAL WAS AUTHORIZED
THIS DATE: 11/16/11

H.M. McLEOD, P.E.
4727 MERWIN ST. SUITE B
HOUSTON, TEXAS 77027
OFFICE: (713) 961–2899
FAX: (713) 961–5691
CELL: (713) 806–1646
Firm Registration:
H. M. McLeod, P.E. #F–3679

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DATE	6/17/11
PROJECT#	1114 1
SCALE	as noted
DRAWN BY	---

SHEET NAME:
ELECTRICAL SCHEDULES

SHEET NUMBER:
E-6