MAIN BUS: 600 AMP MCB															UTILITY AREA	۸.	:LOC	ATION	
VOLT	AGE:		208Y/1	20 VOLTS, 3 PHASE, 4 W IRE		1	PANE	LBOA	RD	SCHE	DULE				NEMA-1 RECESSED)	:MOL	INTING	
AIC: 42,000						1			M						UTILITY	ŕ	:SOURC		
TYPE:			SQUAR	E D TYPE I LINE OR EQUAL		1									REFER TO ONE-LINE	E		FEEDE	
CKT	AMP	Ρ	W IRE	LOAD	LTG.	RECEP.	EQUIP.	OTHER	PH	OTHER	EQUIP.	RECEP.	LTG.	LOAD	W IRE	P	AMP	CKT	
1	200	3	#3/0	PANEL A	15747	3420	8922	1200	A B C	0	37882	9357	0	PANEL B	#3/0	3	200	2	
3	50	3	#8	RTU-1				9420	A B C	0	37781	3840	ο	PANEL D	#1/0	3	150	4	
5	50	3	#8	RTU-3				9420	A B C	9420				RTU-2	#8	3	50	6	
7	20	2	#8	EF-1			800		A B C	-	9720			CONVECTION OVEN	#10	3	30	8	
									A		3840			GRINDER PUMP STATION	#4	1	40		
9	20	2	#8	EF-2			1200		В					SPACE				10	
	15	1	#12						С					SPACE					
11	20	2	#12	WALK-IN BOX COOLER CONDENSER				930	A B	3400				FROZEN COKE MACHINE	#10	2	30	12	
13	30	3	#10	W ALK-IN BOX FREEZER CONDENSER				9072	C A B C	9420				RTU-4	#8	3	50	14	
load	TOTALS	:VA		<u> </u>	15747	3420	10922	30042		22240	89223	13197	0		I	VA	LOAD	FOTAL:	
					SUB- TOTAL	DEMAND FACTOR	TOTAL LOAD		PAN	IELBOAI	<u>rd note</u>	<u>:S:</u>							
				LIGHTING LOAD:	15,747	x 1.25	19,684]	1.										
				RECEPTACLE LOAD (FIRST 10KW):	10,000	x 1.0	10,000		2.										
				RECEPTACLE LOAD (REMAINDER):	6,617	x 0.50	3,309	·											
OTHER LOAD: 52,282						x 1.0	52,282		CIRCUIT BREAKER SYMBOL DESCRIPTIONS:										
				EQUIPMENT LOAD: LARGEST MOTOR LOAD:	100,145 9,072	x 1.0 x 0.25	100,145 2,268		-										
						X U.25								7					
				TOTALS WITH NEC FACTORS: VA	184,791	VOIT	187,687		IACR LO		CR TYPE I CKED BRI								
				PANELBOARD VOLTAGE / /	MPERAGE	VOLT. 208	AMPS 522	,	GFCI					ERRUPTOR					
				ANELBOARD VOLTAGE / I	SAU LIVAGE	200	522	4 '	IG IG					D GROUND BUS					

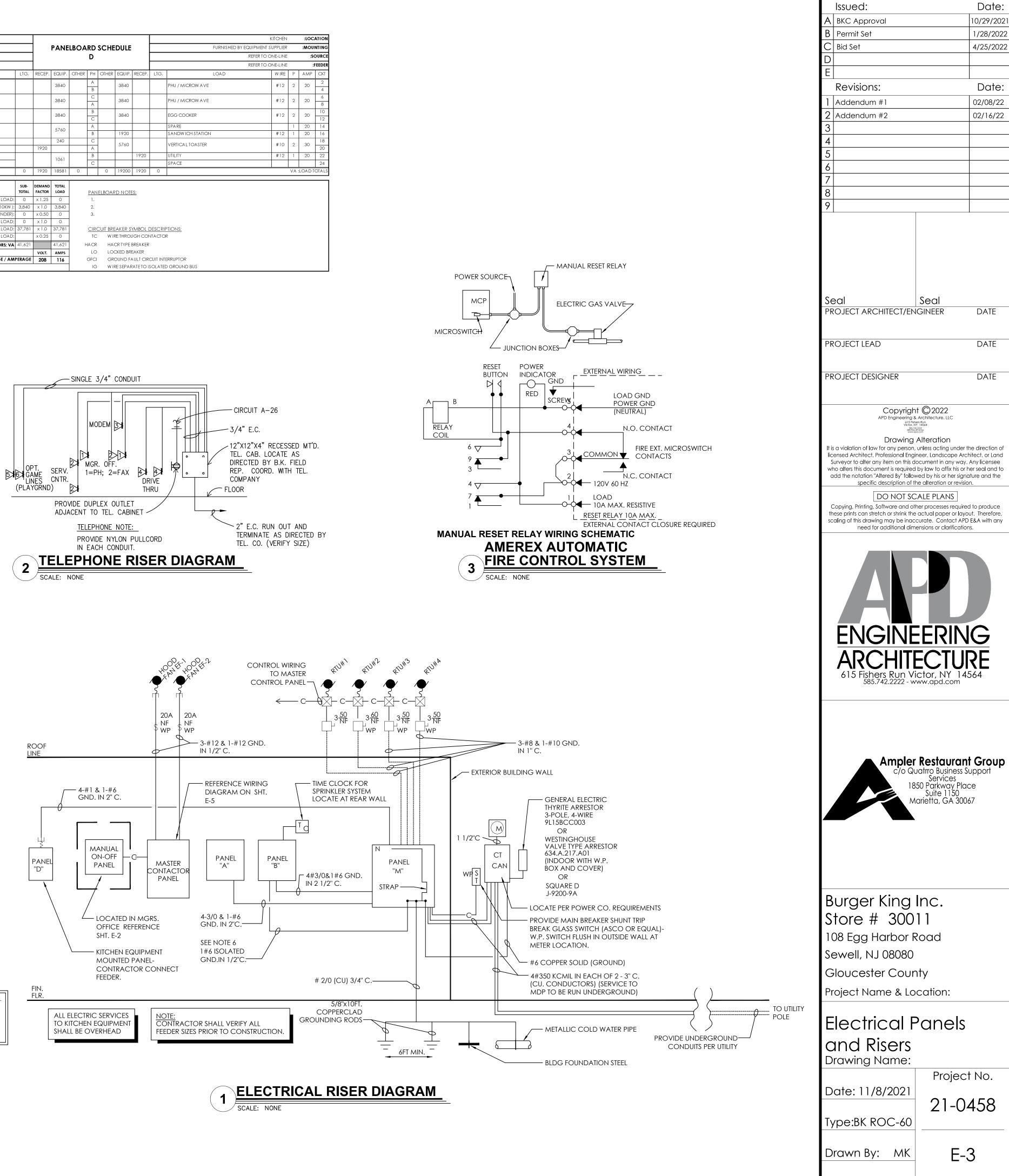
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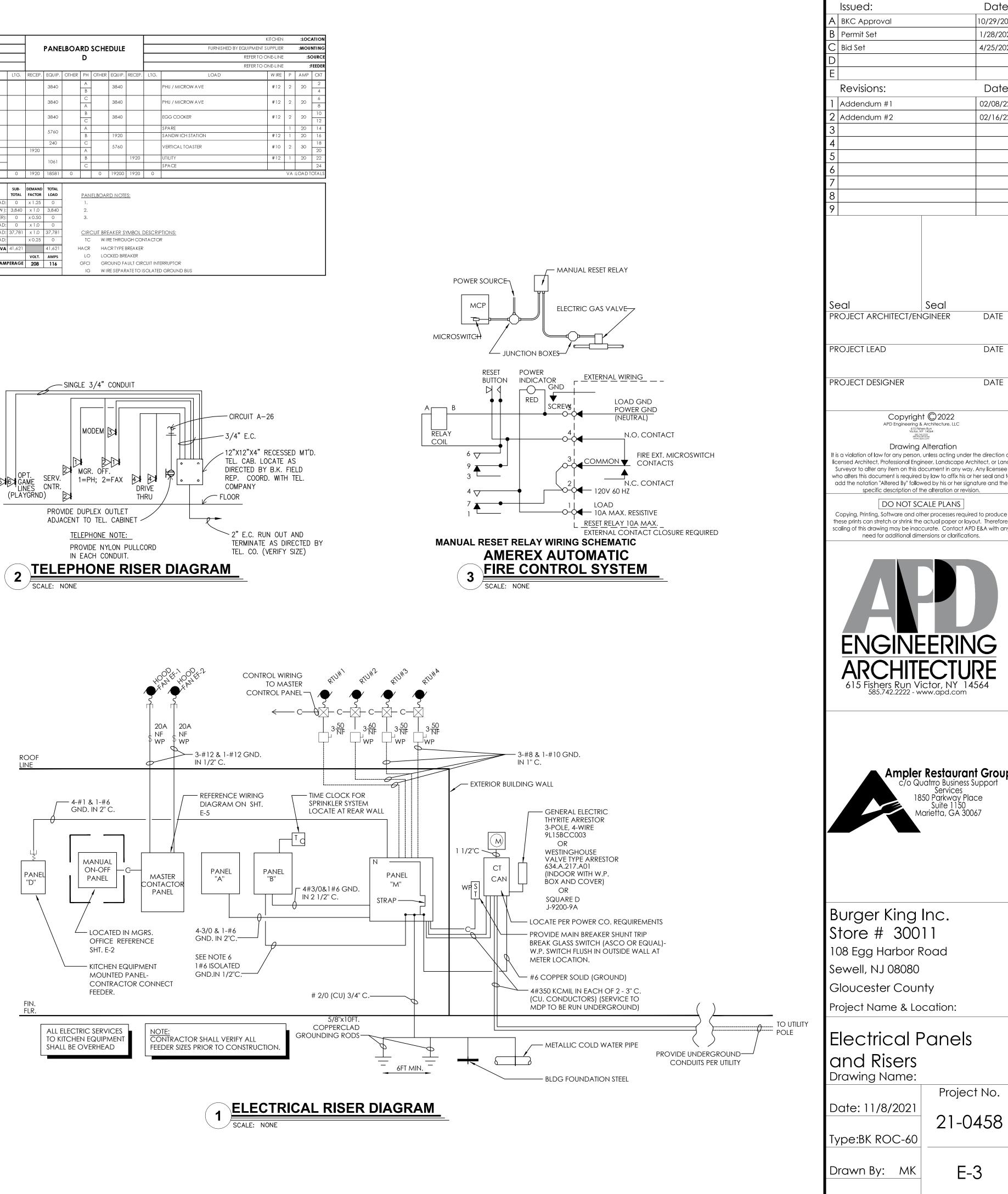
MAIN	BUS:		200 AN	1P M.L.O.										Ufl	ITY AREA	•	:LOC/	ATION	
VOLTA	VOLTAGE: 208Y/120 VOLTS, 3 PHASE, 4 W IRE + GND						PANE	LBOA	RD .	SCHEE	DULE			NEMA-1 F	RECESSEE)	:MOUI	NTING	
AIC:			22,000		1			В				REFER TO ONE-LINE :SOURC					OURCE	ĺ	
TYPE:			SQUAR	E D TYPE NQOD OR EQUAL		1								REFER TO	ONE-LIN	-	:	EEDER	
CKT	AMP	Ρ	W IRE	LOAD	LTG.	RECEP.	EQUIP.	OTHER	PH	OTHER	EQUIP.	RECEP.	LTG.	LOAD	W IRE	Р	AMP	CKT	
1	20	1	#12	SELF-SERVE DRINK DISPENSER			2070		A					SPARE		$\overline{1}$	20	2	ĺ
3	20	1		P.O.S. RECEPTACLES		1320			В		360			U/C REFRIGERATOR	#12	1	15	4	Í
5	20	1		P.O.S. RECEPTACLES		1320			С		400			DUKE BROILER	#10	11	20	6	Í
7	20	1		DRIVE-THRU DRINK DISPENSER			2070		A			1320		P.O.S. RECEPTACLES	#12	\pm	20	8	IG/LO/HL
9	20	1		REAR DOOR BUZZER			720		В			576		SERVICE CTR / D.T. RECEPTACLE	#12	+++	20	10	
11	20	1	#12	DOOR ALARM			720		C		2400			FRY HOLD CABINET	#12	+	20	12	
13	20	1		W ATER HEATER			180		A		700			MEAT FREEZER	#12	+	20	14	Í
15	20		"12				100		В		720			FRY FREEZER	#12	+	20	16	
17	20	3	#20	SHAKE/SOFTSERVE#15(LEFT)			3120		C		120	540		DINNING AREA RECEPTACIES	#12	+	20	18	
19	20		1 20				0120		A			040				+ +			HACR
21									B		2600			ICEMACHINE	#12	2	20	20	I I I CIN
23	20	2	#12	COFFEE/TEA BREW ER			3640		C	\vdash		1560		4 VAT FRYER	#12	+	20	22	**
25	20	1	#10	SHORTENING STORAGE UNIT			500		A			1000		W ALL GRAPHICS	#12	+ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$	20	24	Í
27				W ATER BOOSTER			1428		B			1000		W ALL GRAPHICS	#10	+	20	28	1
27	20 20	1		FRY HOOD			1380		D C			1000		WALL GRAFHICS	#10	+		20 30	1
			#12				1360				4160			FRY DUMP STATION	#10	1	40	30	1
31	20	-		SPARE					A		0.400				#10	+	30		1
33	00		#0				2050		B		2400 2400			FRY HOLD CABINET	#10	+		34	1
35	20	3	#8	TRASH COMPACTOR			3058		С					BROILER HOLD CABINET	#10	+	30	36	1
37									A		576			POW ER SOAK SOAP DISP. (OPT.) 4.8A	#12	$\downarrow \downarrow$	20	38	1
39	20	1		SPARE					В		2280			POW ER SOAK SINNK (OPT.) 19A	#12		30	40	1
41	20	1		SPARE					С			721		DINNING AREA RECEPTACLES	#12		20	42	1
43	20	1	#10	SMOOTHIE BLENDER/U.C REFRIG.			1450		A		690			12V SODA SYSTEM W/ICE	#12		20	44	
45	20	1		SPARE					В					SPARE		1	20	46	1
47	20	1		SPARE					С					SPARE		1	20	48	l .
49	20	1		SPARE					A					SPARE		1	20	50	1
51	20	1		SPARE					В					SPARE		1	20	52	
53	20	1		SPARE					С					SPARE		1	20	54	Í
load	totals	:VA			0	2640	18886	0		0	18996	6717	0			VA :l	LOADT	otals	
								<u> </u>											I
					SUB- TOTAL	DEMAND FACTOR	TOTAL LOAD		DAN			c.							Í
						x 1.25		4	-										1
LIGHTING LOAD: RECEPTACLE LOAD (FIRST 10KW): 9,							0	4		* PROVIE				sus. Ese circuits thru master contactor panel. F			ING		1
							9,357			DIAGRA			MINEIH	LE CINCUTTS THING MASTER CONTACTOR PANEL.	ULINEINC		UNO.		1
				RECEPTACLE LOAD (REMAINDER):	0	x 0.50	0	1		HL PROV			DLELOC	X-OFF.					1
				OTHER LOAD:	0	x 1.0	0	1											1
				EQUIPMENT LOAD			37,882	1	CIRCUIT BREAKER SYMBOL DESCRIPTIONS:										1
				LARGEST MOTOR LOAD:		x 0.25	0, ,002	TC WIRETHROUGH CONTACTOR										1	
				TOTALS WITH NEC FACTORS: VA	47.020		47,239	1 .	IACR			BREAKER							1
				IGIALS WITH NEC FACTORS: VA	47,239			4	LO		KED BRI								1
						VOLT.	AMPS	1	LO	LUU	NED DKI	JUNER							1

LO	LOCKED DICEARER
GFCI	GROUND FAULT CIRCUIT INTERRUPTOR
IG	W IRE SEPARATE TO ISOLATED GROUND BUS

MAIN BUS: 200 AMP M.L.O. VOLTAGE: 208Y/120 VOLTS, 3 PHASE, 4 WIRE + GND														UTI	LITY AREA		:LOC	ATION	1	
						1	PANE	LBOA	RD S	SCHE	DULE			:MOU	NTING	1				
AIC	:	22,000								Α				REFER TO ONE-LINE						
TYPI	E:	SQUARE D TYPE NQOD OR EQUAL					1								REFER TO	ONE-LINE		:FEEDER		
CK.	T A	MP	Ρ	W IRE	LOAD	LTG.	RECEP.	EQUIP.	OTHER	PH	OTHER	EQUIP.	RECEP.	LTG.	LOAD	WIRE	Р	AMP	CKT	1
1		00	0	#0		0.05				С					SPARE		1	20	2	H/
3		20	2	#8	Area lights	325				А				810	DINING ROOM LIGHTS	#12	1	20	4	1
5		20	1	#10	FLAG POLE LIGHTS				1200	С				1500	KITCHEN AREA LIGHTS	#12	1	20	6	1
7	1	20	1		SPARE					А		720			OCU LANE 1	#10	1	20	8	1
9	1	20	1	#8	PYLON SIGN	1200				В		900			DIGITAL MENU BOARD	#10	1	20	10	1
11	1	20	1	#10	CHANNEL LETTER / LOGO	1200				С				400	RESTROOM LIGHTS / EF-3	#12	1	20	12	1
13		20	1	#10	DRIVE THRU MENU - LANE 2			720		А					SPARE		1	20	14	H,
15		20	1	#10	CLEARANCE BARS			600		В				1320	KITCHEN / SERVICE / OFFICE LIGHTS	#12	1	20	16	1
17		20	1	#10	MOTION LIGHT - TRASH COMPACTOR	27				С		360			SMOKE DETECTOR ALARM PANEL	#12	1	20	18	1
19		20	1	#12	CHANNEL LETTER / LOGO	1200				Α		720			OCU LANE 2	#10	1	20	20	1
21	1	20	1	#10	PARAPET LIGHT BAND	240				В		720			RELAY PANEL	#12	1	20	22	1
23		20	1	#12	CHANNEL LETTER / LOGO	1200				С				1550	EXTERIOR BUILDING LIGHTS	#12	1	20	24	**
25		20	1	#10	DRIVE THRU MENU - LANE 1			720		Α			180		TELEPHONE RECEPTACLE	#12	1	20	26	1
27		20	1	#10	EXTERIOR CANOPY LIGHTS	1475				В			180		EXTERIOR RECEPTACLE	#12	1	20	28	1
29		20	1	#12	COOL / FRZR LIGHTS / DOOR HTR. / HE.			400		С			540		KITCHEN RECEPTACLES	#12	1	20	30	1
31	1	20	1	#12	EXTERIOR RECEPTACLES		720			А				000	Area lights	#0			32	**
33		20	1	#12	SERVICE COUNTER / CORRIDOR		360			В				900	AREA LIGHIS	#8	2	20	34	1
35		20	1	#12	D/T SPEED / SERVICE CAMERA			540		С			720		OFFICE RECEPTACLES	#12	1	20	36	1
37		20	1	#12	KITCHEN AREA LIGHTS	1200				А		2222			WALK-IN COOLER & FREEZER EVAPORATORS	#12	2	20	38	1
39		20	1	#12	CREW / STORAGE RECEPTACLES		720			В					WALK-IN COOLER & FREEZER EVAPORATORS	#12	2	20	40	1
41	1	20	1	#12	CHANNEL LETTER / LOGO	1200				С		300			SAFE	#12	1	20	42	1
LOA	DTO	TALS:	:VA			9267	1800	2980	1200		0	5942	1620	6480		•	VA :	LOADT	OTALS	1
								r												1
						SUB- TOTAL	DEMAND FACTOR	TOTAL LOAD				D NOTE								
									-						o w ire these circuits thru master contacto		REEE			
					LIGHTING LOAD:	15,747	x 1.25	19,684					MS SHE		o wike mese cikcons mko Mkstek contacto	AN ANLL.				
					RECEPTACLE LOAD (FIRST 10KW):	3,420	x 1.0	3,420	1						OR SWITCHING DUTY.					
					RECEPTACLE LOAD (REMAINDER):	0	x 0.50	0	1						FOR PYLON SIGN.					
					OTHER LOAD:	1,200	x 1.0	1,200	1						NATE WITH HVAC.					
					EQUIPMENT LOAD:	8,922	x 1.0	8,922	1				(MBOL E							
					LARGEST MOTOR LOAD:	2,222	x 0.25	556	1	TC			IGH CON							
					TOTALS WITH NEC FACTORS: VA			33,781												
							VOLT.	AMPS												
					PANELBOARD VOLTAGE / AM	PERAGE		94	1.	GFCI				CUIT INTI	ERRUPTOR					
							200	1 14	1	IG					D GROUND BUS					1

MAIN BUS: 150 AMP M.L.O.															KITCHEN	1	:LOC			
VOLTA	GE:		120/20	18/240 VOLTS, 3 PHASE, 4 W IRE + GND			PANE	LBOA	RD	SCHE	DULE		FURNISHED BY EQUIPMENT SUPPLIER REFER TO ONE-LINE					:MOUNTING SOURCE:		
AIC:			22,000						D											
TYPE:	TYPE: FURNISHED BY EQUIPMENT SUPPLIER													REFER 1	O ONE-LINE		:FEEDER			
CKT	AMP	Ρ	W IRE	LOAD	LTG.	RECEP.	EQUIP.	OTHER	PH	OTHER	EQUIP.	RECEP.	LTG.	LOAD	W IRE	Ρ	AMP	CKT		
1 3	20	2	#12	PHU / MICROW AVE			3840		A B		3840			PHU / MICROW A VE	#12	2	20	2		
5 7	20	2	#12	PHU / MICROW A VE			3840		C A		3840			PHU / MICROW A VE	#12	2	20	6 8		
9 11	20	2	#12	CONVEYOR TOASTER			3840		B		3840			EGG COOKER	#12	2	20	10 12		
13 15	30	2	#10	VERTICAL TOASTER			5760		A B		1920			SPARE SANDW ICH STATION	#12	1	20 20	14 16		
17	20	1	#12	HEATED SURFACES			240		С		5760			VERTICAL TOASTER	#10	2	30	18		
19	20	1	#12	UTILITY		1920			A		5760				#10	2	- 30	20		
21							1061		В			1920		UTILITY	#12	1	20	22		
23									С					SPACE				24		
load	TOTALS	S:VA			0	1920	18581	0		0	19200	1920	0			VA :	LOAD	OTALS		
					SUB- TOTAL	DEMAND FACTOR	TOTAL LOAD		PAN	ELBOAR	D NOTE	ES:								
				LIGHTING LOAD:	0	x 1.25	0	1	1.											
				RECEPTACLE LOAD (FIRST 10KW):	3,840	x 1.0	3,840	1	2.											
				RECEPTACLE LOAD (REMAINDER):	0	x 0.50	0		З.											
				OTHER LOAD:	0	x 1.0	0													
				EQUIPMENT LOAD:	37,781		37,781													
				LARGEST MOTOR LOAD:		x 0.25	0	4	ΤC			JGH COI		R						
				TOTALS WITH NEC FACTORS: VA	41,621		41,621													
<u> </u>						VOLT.	AMPS	LO LOCKED BREAKER												
<u> </u>				PANELBOARD VOLTAGE / AM	FERAGE	208	116	-	GFCI GROUND FAULT CIRCUIT INTERRUPTOR IG WIRE SEPARATE TO ISOLATED GROUND BUS											
L									IG	11 VV	L SELAN	ALEIOL	JULAIE							





RISER NOTES:

1. ALL FUSED DISCONNECT SWITCHES TO BE PROVIDED BY CONTRACTOR.

2. REFER TO PANEL NOTES.

3. REFER TO GENERAL NOTES, SHEET E-2.

4. "T.C." INDICATES TIME CLOCK (OR TIME SWITCH)

5. SEE MASTER CONTACTOR PANEL WIRING DIAGRAM FOR ADDITIONAL CIRCUITS FROM PANELS THAT ARE CONTROLLED THROUGH THE MASTER CONTACTOR PANEL.

6. PROVIDE AN ISOLATED GROUND BUS IN PANEL & RUN CIRCUIT GROUND WIRE TO THIS BUS. RUN A #6 GREEN GROUND FROM THIS BUS TO MAIN SERVICE GROUND POINT.

7. MASTER CONTACTOR PANEL AND MANUAL ON-OF PANEL TO BE INCLUDED IN ELECTRICAL CONTRACTORS SCOPE OF WORK.

> ELECTRICAL DISTRIBUTION PANELS, MASTER CONTACTOR PANEL AND MANUAL ON/OFF PANEL MAY BE PURCHASED AS A LOOSE GEAR PACKAGE THROUGH: SUNCOAST ENVIRONMENTAL CONTROLS, INC. 8566 115TH AVENUE NORTH LARGO, FLORIDA 34643 PHONE (877) 544-6679

> > Scale: As Noted

Drawing No.