



DO NOT SCALE DRAWINGS
CONTRACTOR TO VERIFY
ALL EXISTING CONDITIONS AND
DIMENSIONS-NOTIFY ARCHITECT
OF ANY DISCREPANCIES PRIOR
TO BEGINNING CONSTRUCTION



JULY 5TH, 2018

NO | REVISION

DEL TACO STORE # DT2017
4525 JIMMY LEE SMITH PARKWAY
HIRAM, GA 30141
PAULTON COUNTY
1ST PERMIT SUBMITTAL 05-18-18
1ST BID SUBMITTAL 07-05-18

PROJECT NUMBER
2180148

SHEET NAME

**ELECTRICAL
PANEL
SCHEDULES**

SHEET NUMBER

E302

DATE OF THIS PRINTING - 7/3/2018

PANELBOARD NOTES ()

- INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE), LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER
- INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD).
- GFI BREAKER.
- REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
- EXISTING CIRCUIT TO REMAIN.
- ROUTE CIRCUIT THROUGH NEW CONTACTOR VIA TIMECLOCK
- PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
- HACR CIRCUIT BREAKER.
- PROVIDE HANDLE LOCK OFF DEVICE TO LOCK "SPARE" CIRCUIT BREAKER IN THE "OFF" POSITION. IF CIRCUIT BREAKER IS IDENTIFIED AS "EXISTING", FIELD VERIFY CIRCUIT BREAKER INDICATED IS NOT CONNECTED TO ANY LOAD AND UPDATE PANELBOARD CIRCUIT DIRECTORY IDENTIFYING CIRCUIT AS "SPARE".
- PROVIDE HANDLE-TIE BETWEEN CIRCUIT BREAKERS SHARING COMMON NEUTRAL FOR SIMULTANEOUS TRIP.
- DO NOT INSTALL NEUTRAL FOR THIS CIRCUITRY.
- REFER TO RISER DIAGRAM FOR WIRE SIZE AND CONDUIT.

GENERAL NOTES:
1. PROVIDE NEUTRAL FOR ALL BRANCH CIRCUITRY UNLESS OTHERWISE CIRCUIT NOTED BY PANELBOARD NOTE (11).

PANELBOARD: MDP (EXISTING)										FAULT CURRENT: REFER TO ONE-LINE DIAGRAM EQUIPMENT GROUND BUS									
BUS AMPS: 800A MAIN SIZE/TYPE: 800A MCB VOLTS/PHASE: 208Y/120V, 3PH, 4W SECTION: 1										AIC RATING: N/A SERVICES: MOUNTING: SURFACE LOCATION:									
NOTE NO.	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.	NOTE NO.			
			A	B	C						A	B	C						
	1	PNLBD K1	8,257	5,132		EX	200	3	200	EX	8,233	9,850	7,591	PNLBD LP1	2				
	7	PNLBD K2	13,436	13,320	10,361	EX	200	3	100	EX	11,040	23,640	19,400	PNLBD K3	8				
	13	RTU-1	5,764	5,764	5,764	EX	60	3	90	EX	8,647	8,647	8,647	RTU-3	14				
	19	RTU-2	5,764	5,764	5,764	EX	60	3	100		9,606	9,606	9,606	PANEL "K4"	20	4			
	25	MUA / CU-2	2,568	2,568	2,568	10	30	3	3					SPACE	26				
SUBTOTAL			35,789	32,548	30,364							37,526	51,743	45,244	SUBTOTAL				
TOTAL PHASE A - VA			73,315	LOAD		CONN. VA		DF	LOAD		CONN. VA		DF						
AMPS			611	COOLING				1.00	REFRIGERATION				1.00						
TOTAL PHASE B - VA			84,291	HEATING		0		1.25	SIGN/DISPLAY				1.25						
AMPS			702	LIGHTING		12,634		1.25	KITCHEN		42,764		0.65						
TOTAL PHASE C - VA			75,608	RECEPTACLES		15,290		1.0/5	EXISTING		4,140		1.00						
AMPS			630	MOTORS		7,754		1.00	LARGE MOTOR				1.25	TOTAL DEMAND					
TOTAL PNLBD - VA			233,214	SUPP HEAT				1.00	SHOW WINDOW		11,520		1.25	221,640 VA					
AMPS			647	MISC EQUIP		52,126		1.00	LTG TRACK				1.00	615 A					

PANELBOARD: K1 (EXISTING)										FAULT CURRENT: REFER TO ONE-LINE DIAGRAM EQUIPMENT GROUND BUS BUS AMPS: 225A MAIN SIZE/TYPE: MLO VOLTS/PHASE: 208Y/120V, 3PH, 4W SECTION: 1									
NOTE NO.	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.	NOTE NO.			
			A	B	C						A	B	C						
3,7,ST	1	EQ 15: AIR CURTAIN DRIVE THRU	840			12	20	1	2	20	12	1,352	1,352	EQ 24 FRY DUMP STATION	2	3,7,ST			
	3	SPARE					20	1							4				
	5	EQ 36 TORTILLA TOASTER			2,309	10	30	2						SHUNT TRIP	6				
	7		2,309				1	20	12	1,464			EQ 29 FRYER SYSTEM	8	3,7,ST				
	9	SHUNT TRIP											SHUNT TRIP	10					
	11	SPARE					20	1	1	20	12			EQ 28 UNDERCTR FREEZER	12	3,7,ST			
	13	COOLER EVAP / FREEZER LIGHT	480			EX	20	1						EQ 30 REFRIGERATOR	14	3,7,ST			
	15	EVAP COOLER		400		EX	15	1	1	20	12		460	EQ 30 REFRIGERATOR	16	3,7,ST			
	17	RECIP/WATER FILTRATION			720	EX	20	1						SHUNT TRIP	18				
	19	SPARE					20	1	1	20	12	600		EQ 49B TACO TIMER	20	3,7,ST			
7,ST	21	HEAT TRACE		1,000		EX	20	1						SHUNT TRIP	22				
	23	HHW-1			1,000	EX	20	1	1	20	12		648	EQ 31A REFRIGERATED STAND	24	3,7,ST			
	25	HOOD LIGHTS	600			12	20	1						SHUNT TRIP	26				
	27						1	20	12			120		EQ 39 RETHERMALIZER	28	3,7,ST			
	29	ROOF TOP RECEPTACLES			540	EX	20	1						SHUNT TRIP	30				
	31	EQ 14: AIR CURTAIN	612			12	20	1	1					SPACE	32				
	33	EQ 51: HAND HELD BEAN MIXER		1,800		12	20	1						SPACE	34				
	35	SPACE					1	1						SPACE	36				
	37	SPACE					1	1						SPACE	38				
	39	SPACE					1	1	20					SPACE	40				
	41	SPACE					1	1	20					SPACE	42				
SUBTOTAL			4,841	3,200	4,569				3,416			1,932	1,338	SUBTOTAL					
TOTAL PHASE A - VA			8,257	LOAD			CONN. VA			DF	LOAD			CONN. VA			DF		
AMPS			69	COOLING						1.00	REFRIGERATION			1,798			1.00		
TOTAL PHASE B - VA			5,132	HEATING			0				SIGN/DISPLAY			1.25					
AMPS			43	LIGHTING			600			1.25	KITCHEN			10,706			0.70		
TOTAL PHASE C - VA			5,907	RECEPTACLES			10/5				EXISTING			4,140			1.00		
AMPS			49	MOTORS			1,452			1.00	LARGE MOTOR						1.25		
TOTAL PNLBD - VA			19,298	SUPP HEAT			1.00			SHOW WINDOW						1.25	16,234 VA		
AMPS			54	MISC EQUIP			600			1.00	LTG TRACK						1.00	45 A	

PANELBOARD: K2 (EXISTING)										FAULT CURRENT: REFER TO ONE-LINE DIAGRAM EQUIPMENT GROUND BUS BUS AMPS: 200A AIC RATING: FCA +10% MINIMUM, FULLY RATED MAIN SIZE/TYPE: MLO SERVES: VOLTS/PHASE: 208Y/120V, 3PH, 4W MOUNTING: RECESSED SECTION: 1 CONTROL:											
NOTE NO.	CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	BKR AMP	P	BKR AMP	DESCRIPTION	CKT NO.	NOTE NO.	
			A	B	C																A
8	1	EQ 19: BEVERAGE DISP	1,440			12	20	1	1	20	12	1,800						EQ 9: DRIVE THRU TABLE	2	3	
	3	EQ 70: UNDERCTR REFERG.		345		12	20	1	1	20	12		1,800					EQ 16: COFFEE / TEA	4		
	5	EQ 70: UNDERCTR REFERG.			345	12	20	1	1	20	12			360				EQ E1: GENERAL OUTLET	6		
	7	EQ 45A: ICE MAKER	137			12	20	1	1	20	12	600						HOOD CONTROLS	8		
	9	EQ 76B: ICE COND UNIT		1,508		12	20	2						1,321				EQ 43: SHAKE FREEZER	10		
	11				1,508			3	20	12					1,321				12		
	13	EQ 6: MENU BOARD	900			12	20	1					1,321						14		
	15	EQ 41A: WATER PUMP		756		12	20	1	1	20	12		960					EQ 92: REFRIGERATOR	16		
	17	EQ 20: BEVERAGE DISP			270	12	20	1	1	20	12			1,800				EQ 51: BEAN MIXER	18		
	19	EQ 76A: ICE MAKER	137			12	20	1	1	20	12	1,800						EQ 50: FOOD PREP MACHINE	20		
	21	EQ E2: GENERAL OUTLET		180		12	20	1	1	15	12							EF-2	22		
	23	EF-1			1,140				1										SPACE	24	
	25		1,140			12	15	3	1										SPACE	26	
	27			1,140					1	20	12			180					EQ E1: GENERAL OUTLET	28	
	29	CU-4			805				1	20	12				756				EQ 41A: WATER PUMP	30	
31	COOLER WALK-IN	805			EX	20	3	2	20	12	1,300							EQ 45B: ICE MAKER COND	32		
33			805									1,300							34		
35	CU-5			1,105				1	20	12				951				HAND DRYER	36		
37	FREEZER WALK-IN	1,105		1,105	EX	25	3	1	20	12		951						HAND DRYER	38		
39								1	20	12			1,920					EQ 38: HOT FOOD CART	40		
41	SPARE					20	1	1	20									SPARE	42		
SUBTOTAL			5,664	5,839	5,173				7,772			7,481	5,188	SUBTOTAL							
TOTAL PHASE A-VA			13,436	LOAD			CONN. VA	DF	LOAD			CONN. VA	DF	TOTAL PHASE B-VA			16,959	1.00			
AMPS			112	COOLING				1.00	REFRIGERATION					AMPS			86	1.25			
TOTAL PHASE B-VA			13,320	HEATING				0.9	SIGN/DISPLAY					TOTAL PHASE C-VA			10,361	1.00			
AMPS			111	LIGHTING				1.25	KITCHEN					AMPS			111	1.00			
TOTAL PHASE C-VA			10,361	RECEPTACLES			720	10/5	EXISTING					TOTAL PHASE D-VA			37,117	1.25			
AMPS			86	MOTORS			5,202	1.00	LARGE MOTOR					AMPS			103	1.00	TOTAL DEMAND		
TOTAL PNLD -VA			37,117	SUPP HEAT				1.00	SHOW WINDOW					TOTAL PNLD -VA			37,117	1.25			
AMPS			103	MISC EQUIP			10,996	1.00	LTG TRACK					AMPS			103	1.00			