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WAVE PROJECT # 18072

#ATL034
CONYERS, GA



3/22/18

ISSUED FOR
CONSTRUCTION
1447 Highway 138
Conyers, Georgia 30012
Rockdale County, Georgia

Revisions		
#	Date	Description

Project Number: 18028
Issued for: CONSTRUCTION
Issue Date: 03/22/18

DRAWING TITLE
**ELECTRICAL
SCHEDULES**

SHEET NUMBER
E301

Branch Panel: LA

Location: KITCHEN 7
Supply From: LDP
Mounting: SURFACE
Enclosure: NEMA1

Volts: 208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22,000 AMPS SYMMETRICAL
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	ROOF RECEPTACLES	20 A	1	540 VA	1256...			20 A	HOOD LIGHTS/CONTROLS	2	
3	RECEPTACLE DESK (IG)	20 A	1		984 VA	1368...		20 A	HOOD LIGHTS/CONTROLS	4	
5	RECEPTACLE DESK (IG)	20 A	1			492 VA	480 VA	20 A	EF-4	6	
7	RECEPTACLE DESK (IG)	20 A	1	492 VA	180 VA			20 A	MONITOR RECEPTS (IG)	8	
9	SAFE (9)	20 A	1		600 VA	324 VA		20 A	LIGHTING *	10	
11	IRRIGATION CONTROLLER	20 A	1			180 VA	1200...	20 A	RESERVED FOR SITE LIGHTING *	12	
13	PROOFER HOLDING CABINET (40)	20 A	1	348 VA	1200...			20 A	RESERVED FOR SITE LIGHTING *	14	
15	HEATED SHELF FOOD WARMER (65)	20 A	1		2112...	1200...		20 A	RESERVED FOR SITE LIGHTING *	16	
17	COFFEE MAKER (11)	20 A	1			1800...	1200...	20 A	RESERVED FOR SITE LIGHTING *	18	
19	REFRIGERATED WORK TOP (14)	20 A	1	312 VA	1200...			20 A	RESERVED FOR Pylon SIGN *	20	
21	MIXER DRINK BAR (04)	20 A	1		312 VA	1200...		20 A	RESERVED FOR Pylon SIGN *	22	
23	BUILDING SIGN CIRCUIT *	20 A	1			1200...	1200...	20 A	RESERVED FOR Pylon SIGN *	24	
25	BUILDING SIGN CIRCUIT *	20 A	1	1200...	153 VA			20 A	EXTERIOR LIGHTING *	26	
27	BUILDING SIGN CIRCUIT *	20 A	1		1200...	3118...		20 A	DRIVE THRU WINDOW	28	
29	SOFT-SERVE (09)	50 A	2			3640...	180 VA	20 A	CO DETECTOR **	30	
31				3640...	400 VA			20 A	RED/GREEN LIGHT SYSTEM	32	
33	DATA QUAD RECEPTACLES (IG)	20 A	1		720 VA	180 VA		20 A	POS RECEPTACLE (IG)	34	
35	ICE CUBBER (20)	20 A	2			1290...	540 VA	20 A	RESTROOM/DINING RECEPTACLES	36	
37				1290...	180 VA			20 A	POS RECEPTACLE (IG)	38	
39	BLENDER PACKAGE (15)	20 A	1		1800...	200 VA		20 A	MENU BOARD	40	
41	FROZEN DRINK MACHINE (01)	30 A	2			2496...	200 VA	20 A	MENU BOARD	42	
43				2496...	20 VA			20 A	COOLER LIGHTS	44	
45	DOOR ALARMS (DETEX)	20 A	1		180 VA	20 VA		20 A	FREEZER LIGHTS/DOOR/HEATER CIRCUIT	46	
47	KITCHEN RECEPTACLES	20 A	1			180 VA	1200...	20 A	CPI POWER	48	
49	DINING RECEPTACLES	20 A	1	720 VA	800 VA			20 A	EXTERIOR LIGHTING *	50	
51	SPACE ONLY				0 VA	1200...		20 A	SHUNT TRIP POWER SEE CPI DETAIL E401	52	
53	KITCHEN RECEPTACLES	20 A	1			360 VA	0 VA	20 A	DUCT SMOKE DETECTORS **	54	
				Total Load:	16079 VA	16307 VA	17428 VA				
				Total Amps:	134 A	136 A	146 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	830 VA	100.00%	830 VA	
Receptacle	180 VA	100.00%	180 VA	Total Conn. Load: 49773 VA
Motor	0 VA	0.00%	0 VA	Total Est. Demand: 40707 VA
HVAC	0 VA	0.00%	0 VA	Total Conn.: 138 A
KITCHEN	22735 VA	65.00%	14778 VA	Total Est. Demand: 113 A
Other	8091 VA	100.00%	8091 VA	

Notes:

1. * - INDICATES CIRCUIT VIA LIGHTING CONTACTOR. 2. ** - INDICATES BREAKER WITH LOCK OFF TAB. 3. (IG) INDICATES ISOLATED GROUNDING CIRCUIT.

Branch Panel: LB

Location: KITCHEN 7
Supply From: LDP
Mounting: SURFACE
Enclosure: NEMA1

Volts: 208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000 AMPS SYMMETRICAL
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	TEA BREWER (10)	20 A	1	1728...	2995...			40 A	ENTREE STATION HOTWELL (56)	4	
3	TIMER (08)	20 A	1		600 VA	2995...				6	
5	FRENCH FRY WARMER	20 A	1			996 VA	0 VA	20 A	SPARE	8	
7	CROEA KETTLE (74)	25 A	3	2162...	5020...			50 A	GRIDDLE (13)	10	
9					2162...	5020...				12	
11						2162...	5020...			14	
13	FRY DUMP STATION (43)	20 A	2	1352...	0 VA			20 A	SPARE	16	
15					1352...	180 VA		20 A	EXTERIOR RECEPTACLE	18	
17	CONVECTION OVEN * (52)	30 A	3			2882...	1649...	20 A	CONVEYOR WASTER (56.4)	20	
19				2882...	1649...					22	
21				2882...	1649...					24	
23	BAG-N-BOX (24)	20 A	1		2882...	1800...		20 A	HOLDING CABINET (56.2)	26	
25	GRIDDLE TIMER (50.1)	20 A	1	360 VA	1560...			20 A	REFRIGERATED WORK TOP (56.2)	28	
27	GRIDDLE TIMER (50.1)	20 A	1			536 VA	1560...	20 A	HOLDING CABINET (56.2)	30	
29	WORKTOP FREEZER (51)	20 A	1				1039...	20 A	SECURITY PANEL *	32	
31	COOKTOP STAND (52.1)	20 A	1	1200...	1440...			20 A	COFFEE DISPENSER (6)	34	
33	FRY BATTERY (47)	60 A	3			5764...	143 VA	20 A	COFFEE DISPENSER (6)	36	
35						5764...	143 VA	30 A	WATER FILTER (22A)	38	
37				5764...	143 VA				MAUI FAN	40	
39	GRIDDLE (13)	20 A	1		2882...	1800...		20 A	BAG-N-BOX (24)	42	
41	REFRIGERATED WORK TOP (56.3)	20 A	1			628 VA	1200...	20 A	DRIVE THRU CAMERA SYSTEM	44	
43	MUA-COND. #2 *	20 A	1		528 VA		1039...	20 A	TIMER (38)	46	
45					628 VA	1200...		20 A	SPARE	48	
47					628 VA	180 VA		20 A	SPARE	50	
49	MUA-COND. #1 *	30 A	3	1039...	1039...		0 VA	20 A	SPARE	52	
51					1039...	0 VA		20 A	SPARE	54	
53						1205...	0 VA	20 A	SPARE	54	
				Total Load:	31429 VA	38475 VA	25972 VA				
				Total Amps:	259 A	328 A	216 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	0 VA	0.00%	0 VA	
Receptacle	0 VA	0.00%	0 VA	Total Conn. Load: 95907 VA
Motor	0 VA	0.00%	0 VA	Total Est. Demand: 65711 VA
HVAC	8619 VA	100.00%	8619 VA	Total Conn.: 266 A
KITCHEN	86366 VA	65.00%	56138 VA	Total Est. Demand: 182 A
Other	1372 VA	100.00%	1372 VA	

Notes:

** - INDICATES BREAKER WITH LOCK OFF TAB.

DISTRIBUTION PANEL: LDP

VOLTAGE: 208 V
MTG:

PHASE: 3
MAIN: 800 A

WIRE: 4

KVA AMPS
PHASE A: 68191 VA 572 A
PHASE B: 75246 VA 621 A
PHASE C: 65147 VA 543 A

CONNECTED LOAD (KVA): 208578 VA
DEMAND LOAD (KVA): 163349 VA

CONNECTED LOAD (AMPS): 579 A
DEMAND LOAD (AMPS): 453 A

CKT #	CIRCUIT BREAKER Frame & Rating x P	Wire Size	DESCRIPTION	LTO	RECEPTACLE	MTR	HVAC	TO	KITCHEN	MISC	A	B	C
1	60 A/60 A/3	3-#6, 1-#6, 1-#10	RTU-1 *				561 VA		0 VA		3187 VA	3187 VA	3187 VA
2									0 VA		4642 VA	4642 VA	4642 VA
3	100 A/80 A/3	3-#4, 1-#4, 1-#8	RTU-2 *						0 VA		4642 VA	4642 VA	4642 VA
4									0 VA				
5	400 A/225 A/3	3-#4/0, 1-#4/0, 1-#4	PANEL LA	330 VA	3060 VA	0 VA		22735 VA	8091 VA	16079...	16307 VA	17428 VA	
6			SPARE						0 VA				
7	400 A/225 A/3	3-#4/0, 1-#4/0, 1-#4	PANEL LA	330 VA			8619 VA	86366 VA	1372 VA	31484...	38475 VA	25972 VA	
8			SPARE						0 VA				
9	400 A/225 A/3	3-#4/0, 1-#4/0, 1-#4	PANEL LC	3018 VA	3060 VA	1026...	15104 VA	17292 VA	886 VA	13220...	13179 VA	14398 VA	
10			SPARE						0 VA				

Load Classification	Connected Load	Panel Totals
Lighting	11 VA	
Receptacle	2 A	
Motor	3 A	
HVAC	8619 VA	
KITCHEN	86366 VA	

NOTES:

DP NOTES:
* - VERIFY MOCP REQUIREMENTS FOR HVAC WITH SUBMITTALS PRIOR TO ROUGH-IN WORK.
** - INDICATES SHUNT TRIP HARC REATED BREAKER.
3. *** - INDICATES SHUNT TRIP RATED BREAKER. PROVIDE POWER FOR SHUNT BREAKER FROM CIRCUIT LA-52.

Branch Panel: LC

Location: KITCHEN 7
Supply From: LDP
Mounting: SURFACE
Enclosure: NEMA1

Volts: 208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 42,000 AMPS SYMMETRICAL
Mains Type: MLO
Mains Rating: 225 A
MCB Rating:

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	DINING RECEPTACLES	20 A	1	540 VA	180 VA			20 A	HEAT TAPE	2	
3	POS RECEPTACLE (IG)	20 A	1		180 VA	697 VA		20 A	KITCHEN LIGHTING ***	4	
5	MENU BOARD INTERIOR **	20 A	1			936 VA	180 VA	20 A	MONITOR RECEPTS (IG) (GFCI BREAKER)	6	
7	WATER HEATER	20 A	1	180 VA	180 VA			20 A	POS RECEPTACLE (IG)	8	
9	FRY BATTERY (47) SHUNT TRIP BREAKER	60 A	3			5764...	143 VA	15 A	EF-1	10	
11										12	
13				5764...	143 VA					14	
15	SHUNT TRIP SPACE				0 VA	208 VA		30 A	EF-2	16	
17	EF-3	20 A	3			143 VA	208 VA			18	
19				143 VA	208 VA					20	
21					143 VA	180 VA		20 A	MONITOR RECEPTS (IG) (GFCI BREAKER)	22	
23										24	
25	MONITOR RECEPTS (IG) (GFCI BREAKER)	20 A	1	540 VA				30 A	FREEZER CONDENSER *	26	
27					2517...					28	
29	EXTERIOR FLEX LIGHTING**	20 A	1			1440...	2517...			30	
31	MONITOR RECEPTS (IG)	20 A	1	180 VA	2517...					32	
33	COOLER CONDENSER *	30 A	3		2598...	540 VA		20 A	DRIVE THRU USB(IG)	34	
35						2598...	180 VA	20 A	POS RECEPTACLE (IG)	36	
37				2598...	180 VA			20 A	POS RECEPTACLE (IG)	38	
39	MONITOR RECEPTS (IG) (GFCI BREAKER)	20 A	1		180 VA	180 VA		20 A	POS RECEPTACLE (IG)	40	
41	MONITOR RECEPTS (IG) (GFCI BREAKER)	20 A	1			180 VA	180 VA	20 A	POS RECEPTACLE (IG)	42	
				Total Load:	13220 VA	13179 VA	14398 VA				
				Total Amps:	110 A	110 A	120 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	3018 VA	100.00%	3018 VA	
Receptacle	706 VA	100.00%	706 VA	Total Conn. Load: 40796 VA
Motor	1026 VA	112.93%	1159 VA	Total Est. Demand: 40926 VA
HVAC	15104 VA	100.00%	15104 VA	Total Conn.: 113 A
Heating	0 VA	0.00%	0 VA	Total Est. Demand: 114 A
KITCHEN	17292 VA	100.00%	17292 VA	
Other	886 VA	100.00%	886 VA	

Notes:

1. (IG) INDICATES ISOLATED GROUND RECEPTACLE.