

Branch Panel: E

Location: DRY GOODS RECEIVING 109
Supply From: MDP
Mounting: PRE-FABRICATED
Enclosure: PRE-FABRICATED

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 65,000 SERIES RATED
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: N/A

Notes:

NOTES	CKT	Load Name	Trip	Poles	A	B	C	Poles	Trip	Load Name	CKT	NOTES
	1	SOFT SERVE FREEZERS #4025	20 A	2	1248	360		1	20 A	AIR/VAC RECEPTACLE	2	GB
	3											
	5	SOFT SERVE FREEZERS #4025	20 A	2	1248	360		1	20 A	DATA CLOSET RECEPTACLE	4	GB
	7											
	9	SOFT SERVE FREEZERS #4025	20 A	2		1248	360	1	20 A	DATA CLOSET RECEPTACLE	8	EM
	11											
	13	SOFT SERVE FREEZERS #4025	20 A	2	1248	200		1	20 A	COLD PAN (COFFEE PREP) #5034	10	EM
	15											
EM, GB	17	KITCHEN EQ. #5128, #4065	20 A	1	1116	444		1	20 A	PROVISION FOR HEAT SLIDES	12	
	19	KITCHEN EQ. #3004, #5021	20 A	1				1	20 A	COLD PAN (COFFEE PREP) #5034	14	
	21	KITCHEN EQ. #3004, #5022	20 A	1				1	20 A	PROVISION FOR HEAT SLIDES	16	
	23	KITCHEN EQ. #5048	20 A	1	1284	180		1	20 A	SINGLE DOOR WINE COOLER #5083	18	
	25	KITCHEN EQ. #5067, #5078	20 A	1				1	20 A	FOOD LABEL PRINTER #5086	20	
	27	KITCHEN EQ. #5046, #5125	20 A	1				1	20 A	ROLLER GRILL #5025	22	GB
	29	KITCHEN EQ. #5019, #5040, #5085	20 A	1				1	20 A	LEER ICE MERCHANDISER #5126	24	GB
	31	PASTRY CASE #5015	20 A	1	1800	1535		1	20 A	MICROWAVE OVEN #5026	26	GB
	33	SPARE	20 A	1				1	20 A	MICROWAVE OVEN #5026	28	GB
	35	SPARE	20 A	1				1	20 A	ROLLER GRILL #5025	30	GB
	37	#5084 DOUBLE BATCH OVEN	50 A	2	5200	3000		3	35 A	WATER HEATER #3013	32	GB
	39											
	41	KITCHEN EQ. #5028, #5040, #5085	20 A	1				1	20 A	DATA CLOSET RECEPTACLE	34	
	43	ROLLER GRILL #5025	20 A	1	1535	360		1	20 A	DATA CLOSET RECEPTACLE	36	EM
EM	45	GLASS DOOR FREEZER #5092	20 A	1				1	20 A	SPARE	38	EM
	47	SPARE	20 A	1	0	0		1	20 A	SPARE	40	
	49	SPARE	20 A	1	0	0		1	20 A	SPARE	42	
	51	SPARE	20 A	1				1	20 A	SPARE	44	
	53	SPARE	20 A	1				1	20 A	SPARE	46	
					Total Load:	21778 VA	20504 VA	16089 VA				
					Total Amps:	187 A	177 A	134 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	10560 VA	100.00%	10560 VA	
Power	1188 VA	100.00%	1188 VA	Total Conn. Load: 58371 VA
Receptacle	3788 VA	100.00%	3788 VA	Total Est. Demand: 45379 VA
Kitchen Equipment	42635 VA	65.00%	27843 VA	Total Conn.: 162 A
				Total Est. Demand: 120 A

Notes:

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Notes:

Notes	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	Notes
	1	NON-ALCOH COOLER CONDENSER	45 A	3	3362	2522		1	30 A	BEER COOLER CONDENSER #4144	2	
	3											
	5											
EM	7	WALK-IN COOLER EVAP #4143	20 A	1	972	972		1	20 A	WALK-IN COOLER EVAP #4143	4	EM
EM	9	WALK-IN COOLER EVAP #4143	20 A	1				1	20 A	WALK-IN COOLER EVAP #4143	6	EM
	11											
	13	BEAN TO CUP MACHINE #3017	20 A	2	2080	1801		3	20 A	WALK-IN COOLER EVAP #4143	8	
	15											
	17	BEAN TO CUP MACHINE #3017	20 A	2				1	20 A	WALK-IN COOLER EVAP #4143	10	EM
	19											
	21	FREEZER EVAPORATOR #4146	20 A	2	1633	330		1	20 A	ICE MAKER REMOTE CONDENSER (CUBER) #4012	12	
	23											
	25	ICE MAKER REMOTE CONDENSER (CRUSHED NUGGET) #4014	20 A	2				3	20 A	YOGURT CHILLER PAK#4131	14	
	27											
	29	FREEZER (STORAGE) REMOTE CONDENSER #4145	40 A	3	4563	0		1	20 A	SPARE	16	
	31											
	33											
	35	DUMPSTER EQUIPMENT	20 A	3				1	20 A	SPARE	18	
	37											
	39	SPARE	20 A	1				1	20 A	SPARE	20	
	41	SPARE	20 A	1				1	20 A	HEAT TRACE	22	
					Total Load:	20787 VA	20457 VA	20432 VA				
					Total Amps:	173 A	171 A	170 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Receptacle	500 VA	100.00%	500 VA	
Kitchen Equipment	61176 VA	65.00%	39765 VA	Total Conn. Load: 61676 VA
				Total Est. Demand: 40265 VA
				Total Conn.: 171 A
				Total Est. Demand: 112 A

Notes:

Branch Panel: M1

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Notes:

Notes	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	Notes
	1	FCB VIPER #3014	30 A	2	2000	1752		1	20 A	POST MIX SYSTEM #3005	2	
	3											
	5	FCB VIPER #3014	30 A	2				1	20 A	POST MIX SYSTEM #3005	4	
	7											
GB	9	FREEZER DRAWER #5077	20 A	1	2000	2080		2	20 A	BEAN TO CUP MACHINE #3017	6	
	11	TEA BREWER #3002	20 A	1				1	20 A	OPEN DISPLAY CASE #5123	8	GB
	13	GRANITA MACHINE #3007	20 A	1	1440	1440		1	20 A	GRANITA MACHINE #3007	10	
	15											
	17	ICE MAKER (CUBED) #4011	20 A	2				2	20 A	BUILT-IN HEATED SHELF #5119	12	GB
	19											
	21	ICE MAKER (CRUSHED/NUGGET) #4013	20 A	2	1591	0		1	20 A	SPARE	14	
	23											
GB	25	DUAL INFRARED STRIP HTR #5102	20 A	2	1500	2080		1	20 A	CAPPUCCINO DISPENSER #3008	16	
	27											
	29	BEAN TO CUP MACHINE #3017	20 A	2				2	20 A	BEAN TO CUP MACHINE #3017	18	
	31	SPACE	--	--	0	1104		1	20 A	#5091 PIZZA FREEZER BASE	20	
EM	33	TWO DOOR REFRIGERATOR #4033	20 A	1				1	20 A	TWO DOOR REFRIGERATOR #4033	22	EM
	35											
GB	37	COMBI OVEN #3011	30 A	3	2150	2150		3	30 A	COMBI OVEN #3011	24	GB
	39											
	41	TEA BREWER #3002	20 A	1				--	--	SPACE	26	
								--	--	SPACE	28	
								--	--	SPACE	30	
								--	--	SPACE	32	
								--	--	SPACE	34	
								--	--	SPACE	36	
								--	--	SPACE	38	
								--	--	SPACE	40	
								--	--	SPACE	42	
					Total Load:	21286 VA	21108 VA	21440 VA				
					Total Amps:	178 A	176 A	179 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	7777 VA	100.00%	7777 VA	
Kitchen Equipment	56057 VA	65.00%	36437 VA	Total Conn. Load: 63834 VA
				Total Est. Demand: 44214 VA
				Total Conn.: 177 A
				Total Est. Demand: 123 A

Notes:

PANEL SCHEDULE NOTES:

- L - CIRCUIT REQUIRES A BREAKER LOCKING DEVICE.
- P - CIRCUIT IS PREWIRED BY POWER WALL PRE-FABRICATOR TO ITS POINT OF UTILIZATION WITHIN THE POWER WALL.
- D - PREWIRED FROM BREAKER THRU CONTACTOR TO TERMINAL STRIP, CONTACTOR IS CONTROLLED BY THE MP/DISPENSER CONTROL SYSTEM.
- M - MOTOR OVERLOAD PROTECTION IS TO BE INTEGRAL TO MOTOR OR PROVIDED BY OTHERS. MOTOR OVERLOAD PROTECTION IS NOT PROVIDED BY PRE-FABRICATOR.
- GB - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER (FOR PERSONNEL PROTECTION, 4-6mA)
- GBE - CIRCUIT REQUIRES A GROUND FAULT (GFCI) BREAKER (FOR EQUIPMENT, 30mA)
- GBR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE (FOR EQUIPMENT, 30mA)
- GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE (FOR PERSONNEL PROTECTION, 4-6mA)
- EM - (ADJACENT TO PANEL CIRCUIT NUMBERS) DENOTES EACH CIRCUIT THAT SHALL BE OPERATIONAL WHEN THE EMERGENCY GENERATOR IS IN USE. ALL OTHER CIRCUIT BREAKERS SHALL BE SWITCHED 'OFF', AND THE PANEL DOORS SHALL BE CLOSED AND LOCKED.

-ALL WORK PERTAINING TO THE CONNECTION AND OPERATION OF THE PORTABLE EMERGENCY GENERATOR SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR. THIS INCLUDES THE SWITCHING 'OFF', AND PROTECTION OF ALL CIRCUIT BREAKERS NOT DESIGNATED 'EM' ON THE PANEL SCHEDULES.

CIRCUITS SHOWN WITH (***) ARE CONTROLLED LIGHTING CIRCUITS. REFER TO SHEET E001 FOR CONTACTOR SCHEDULE.

MAXIMUM 4800 WATTS PER 208 VOLT, 30 AMP LIGHTING CIRCUIT.
MAXIMUM 1800 WATTS PER 120 VOLT, 20 AMP LIGHTING CIRCUIT.

VERIFY BREAKER SIZE AND LOAD WITH MANUFACTURER'S LITERATURE IN FIELD.

Order Plans @ www.LDilvine.com

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DESIGN PROFESSIONALS

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
01/25/19	PERMIT SET
03/16/20	REFRESH TO 2020.0113

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PROJECT NAME
HWY 316 @ 81

BETHLEHEM
GA 30620
839 LOGANVILLE HWY

RACETRAC STORE NUMBER
#1304

PROTOTYPE SERIES 5.5K 2.0
2018 LH M0 0405

PLAN MODIFICATION NOTICE
SPB NO. 0405 DATE 12/18/18

STANDARD PLAN BULLETINS (SPB) MODIFY THE PROTOTYPE SERIES SET NOTED ABOVE. THE LISTED SPB REPRESENTS THE LATEST MODIFICATION INCORPORATED TO THIS PROTOTYPE SERIES SET AT ORIGINAL RELEASE. THE ISSUE/REVISION RECORD COLUMN ABOVE LISTS ANY REVISIONS OR SPB INCORPORATED IN THIS SET AFTER THE ORIGINAL RELEASE. CONTACT RACETRAC ENGINEERING AND CONSTRUCTION FOR ANY SUBSEQUENT BULLETINS NOT INCORPORATED HEREIN.

PROFESSIONAL SEAL

PROJECT NUMBER
2018157.19

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER
E431