

### Branch Panel: M

Location: DRY GOODS RECEIVING      Volts: 120/208 Wye      A.I.C. Rating: 65,000 SERIES RATED  
Supply From: MDP      Phases: 3      Mains Type: MLO  
Mounting: PRE-FABRICATED      Wires: 4      Mains Rating: 200 A  
Enclosure: PRE-FABRICATED                MCB Rating: N/A

Notes:

Notes	CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	Notes
	1	NON-ALCH COOLER CONDENSER #4115	30 A	3	2522	2522				30 A	BEER COOLER CONDENSER #4113	2
	3					2522	2522					4
	5						2522	2522				6
EM	7	WALK-IN COOLER EVAP. #4119	20 A	1	972	972				20 A	WALK-IN COOLER EVAP. #4119	8
EM	9	WALK-IN COOLER EVAP. #4119	20 A	1		972	972			20 A	WALK-IN COOLER EVAP. #4119	10
	11	BEAN TO CUP MACHINE #3017	20 A	2	2080	1768				25 A	BULLET SANDWICH COOLER CONDENSER #4114	12
	13						2080	1768				14
	15	BEAN TO CUP MACHINE #3017	20 A	2			2080	1768				16
	17						2080	972		20 A	WALK-IN COOLER EVAP. #4119	18
	19	FREEZER EVAPORATOR #4118	20 A	2	486	330				20 A	ICE MAKER REMOTE CONDENSER (CUBER) #4012	20
	21					486	330					22
	23	ICE MAKER REMOTE CONDENSER (CRUSHED NUGGET) #4014	20 A	2			330	2762				24
	25				330	2762				20 A	YOGURT CHILLER PAK#4096	26
	27	FREEZER (STORAGE) REMOTE CONDENSER #4116	25 A	3			2882	2762		20 A	SPARE	28
	29						2882	0		20 A	SPARE	30
	31				2882	0				20 A	SPARE	32
	33				0	0			--	--	SPACE	34
	35	DUMPSTER EQUIPMENT	20 A	3				0				36
	37				0	1768				20 A	BULLET IMPULSE COOLER CONDENSER #4117	38
	39	SPARE	20 A	1			0	1768				40
	41	SPARE	20 A	1				0		20 A	HEAT TRACE	42
Total Load:					19394 VA	19064 VA		20186 VA				
Total Amps:					162 A	159 A		169 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Receptacle	500 VA	100.00%	500 VA	
Kitchen Equipment	58144 VA	65.00%	37794 VA	
				<b>Total Conn. Load: 58644 VA</b>
				<b>Total Est. Demand: 38294 VA</b>
				<b>Total Conn.: 163 A</b>
				<b>Total Est. Demand: 106 A</b>

Notes:

### Branch Panel: E

Location: DRY GOODS RECEIVING 109      Volts: 120/208 Wye      A.I.C. Rating: 65,000 SERIES RATED  
Supply From: MDP      Phases: 3      Mains Type: MLO  
Mounting: PRE-FABRICATED      Wires: 4      Mains Rating: 200 A  
Enclosure: PRE-FABRICATED                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	SERVICE AREA RECEPTACLE	2
	3					1248	1664					4
	5	SOFT SERVE FREEZERS #4025	20 A	2	1248	360			1	20 A	HOLDING CABINET #509	6
	7						1248	1664		20 A	DATA CLOSET RECEPTACLE	8
	9	SOFT SERVE FREEZERS #4025	20 A	2		1248	360		1	20 A	DATA CLOSET RECEPTACLE	10
	11						1248	480		20 A	COLDFAN (COFFEE PREP) #5034	12
	13	SOFT SERVE FREEZERS #4025	20 A	2	1248	1000			1	20 A	FOOD WARMER #5014	14
	15					1248	0		20 A	SPARE		16
EM, GB	17	KITCHEN EQ. #0125, #4065, #5059	20 A	1			920	300		20 A	BULLET SANDWICH #4105	18
	19	KITCHEN EQ. #3004, #5021	20 A	1	1116	444			1	20 A	TWO DOOR WINE COOLER #5083	20
	21	KITCHEN EQ. #3004, #5022	20 A	1		1284	180		1	20 A	FOOD LABEL PRINTER #5086	22
GB	23	KITCHEN EQ. #5059, #5064	20 A	1			10	10		20 A	ROLLER GRILL #5025	24
GB	25	KITCHEN EQ. #5067, #5078	20 A	1	1236	200			1	20 A	LEER ICE MERCHANTISER #5097	26
GB	27	KITCHEN EQ. #5046, #5125	20 A	1		1884	2124		1	25 A	MICROWAVE OVEN #5026	28
GB	29	KITCHEN EQ. #5019, #5040, #5085	20 A	1			1784	2124		25 A	MICROWAVE OVEN #5026	30
GB	31	PASTRY CASE #5015	20 A	2	1476				1	20 A	ROLLER GRILL #5025	32
GB	33	TURBO CHEF OVEN #5111	30 A	2		1560	0		1	20 A	SPARE	34
	35						1560	0	1	20 A	SPARE	36
GB	37	#5084 DOUBLE BATCH OVEN	2	2	300	3000			3	35 A	WATER HEATER #3013	38
	39						3000					40
GB	41	KITCHEN EQ. #5028, #5075, #5085	20 A	1			1505	3000		20 A	SPARE	42
GB	43	ROLLER GRILL #5025	20 A	1	1536	0			1	20 A	SPARE	44
	45	SPARE	20 A	1		0	0		1	20 A	SPARE	46
	47	SPARE	20 A	1		0	0		1	20 A	SPARE	48
	49	SPARE	20 A	1		0	0		1	20 A	SPARE	50
	51	SPARE	20 A	1		0	0		1	20 A	SPARE	52
	53	SPARE	20 A	1		0	0		1	20 A	SPARE	54
Total Load:					22206 VA	21000 VA		18169 VA				
Total Amps:					189 A	179 A		151 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	10560 VA	100.00%	10560 VA	
Power	1500 VA	100.00%	1500 VA	
Receptacles	1860 VA	100.00%	1860 VA	
Kitchen Equipment	47455 VA	65.00%	30846 VA	
				<b>Total Conn. Load: 61375 VA</b>
				<b>Total Est. Demand: 44766 VA</b>
				<b>Total Conn.: 170 A</b>
				<b>Total Est. Demand: 124 A</b>

Notes:

### Branch Panel: M1

Location: DRY GOODS RECEIVING      Volts: 120/208 Wye      A.I.C. Rating: 65,000 SERIES RATED  
Supply From: MDP      Phases: 3      Mains Type: MLO  
Mounting: PRE-FABRICATED      Wires: 4      Mains Rating: 200 A  
Enclosure: PRE-FABRICATED                MCB Rating: N/A

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					2000	1752		1	20 A	POST MIX SYSTEM #3005	4
	5	FCB VIPER #3014	30 A	2	2000	2080			1	20 A	POST MIX SYSTEM #3005	6
	7								2	20 A	BEAN TO CUP MACHINE #3017	8
	9	SPARE	20 A	1		0	2080					10
	11	TEA BREWER #3002	20 A	1			1680	0	1	20 A	SPARE	12
	13	GRANITA MACHINE #3007	20 A	1	1440	1440			1	20 A	GRANITA MACHINE #3007	14
	15	ICE MAKER (CUBED) #4011	20 A	2		1529	0		1	20 A	SPARE	16
	17						1529	0	1	20 A	SPARE	18
	19	ICE MAKER (CRUSHED/NUGGET) #4013	20 A	2	1591	0			1	20 A	SPARE	20
	21					1591	1800		1	20 A	CAPPUCCINO DISPENSER #3008	22
	23	SPARE	20 A	1			0	2080	2	20 A	BEAN TO CUP MACHINE #3017	24
	25	SPARE	20 A	1	0	2080						26
	27	BEAN TO CUP MACHINE #3017	20 A	2		2080	936		1	20 A	#5091 PIZZA FREEZER BASE	28
	29						2080	0	1	20 A	SPARE	30
	31	SPARE	20 A	1	0	1104			1	20 A	TWO DOOR REFRIGERATOR #4033	32
EM	33	TWO DOOR REFRIGERATOR #4033	20 A	1		1104	2150		3	30 A	COMBI OVEN #3011	34
	35						2150	2150				36
GB	37	COMBI OVEN #3011	30 A	3	2150	2150			1	20 A	SPARE	38
	39					2150	0		1	20 A	SPARE	40
	41	TEA BREWER #3002	20 A	1			1680	0	1	20 A	SPARE	42
Total Load:					19786 VA	19171 VA		17100 VA				
Total Amps:					168 A	162 A		142 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment	56057 VA	65.00%	36437 VA	
				<b>Total Conn. Load: 56057 VA</b>
				<b>Total Est. Demand: 36437 VA</b>
				<b>Total Conn.: 156 A</b>
				<b>Total Est. Demand: 101 A</b>

Notes:

**PANEL SCHEDULE NOTES:**

- L - CIRCUIT REQUIRES A BREAKER LOCKING DEVICE.
- P - CIRCUIT IS PREWIRED BY POWER WALL PRE-FABRICATED 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.
- GR - CIRCUIT REQUIRES A GROUND FAULT (GFCI) RECEPTACLE.
- 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 SWITCHED "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 200 AMP LIGHTING CIRCUIT.  
MAXIMUM 1800 WATTS PER 100 VOLT, 20 AMP LIGHTING CIRCUIT.

FOR BREAKER SIZE AND LABEL WITH MANUFACTURER'S LITERATURE FIELD.

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**ISSUE/REVISION RECORD**

DATE	DESCRIPTION
08/21/18	ISSUED FOR PERMIT

**RaceTrac**  
RACETRAC PETROLEUM, INC.  
200 GALLERIA PARKWAY SOUTHEAST  
SUITE 900  
ATLANTA, GEORGIA 30339  
(770) 431-7600

**PROJECT NAME**  
**EAST MAIN STREET**

**CARTERSVILLE GEORGIA**  
1325 E. MAIN ST.  
CARTERSVILLE, GA 30121

**RACETRAC STORE NUMBER**  
**1310**

**PROTOTYPE SERIES 5.5K 2.0**  
**2018 RH MO**

**PLAN MODIFICATION NOTICE**

SPB NO.	DATE
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08/21/18  
**PROJECT NUMBER**  
18.714.00

**SHEET TITLE**  
**ELECTRICAL PANEL SCHEDULES**

**SHEET NUMBER**  
**E431**  
ISSUED FOR PERMIT

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