

Branch Panel: MA-9

Location: Supply From: Mounting: Recessed Enclosure: NEMA 1

Volts: 120/240 Single Phases: 1 Wires: 3

A.I.C. Rating: 10K Mains Type: MCB Mains Rating: 150 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CJ	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4600 VA 915 VA	4600 VA 915 VA	2	20 A	Power	6	
7									8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA	1	20 A	Washer	10	
11									12	
13	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Dishwasher	14	
15	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 1200 VA	1	20 A	Garbage Disposal	16	
17	Dinning Receptacles	20 A	1	840 VA 815 VA	840 VA 815 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Lights	20	
21	Living Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Water Proof Receptacles	22	
23	Living Receptacles	20 A	1	360 VA 750 VA	1080 VA 1080 VA	1	20 A	Bedroom 1 Receptacles	24	
25	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	26	
27	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	28	
29	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	30	
31	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	32	
33	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	34	
35	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	36	
				Total Load:	15485 VA	17287 VA				
				Total Amps:	129 A	144 A				

Legend:

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand	Panel Totals
Cooling	100 VA	100.00%	100 VA	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	Total Conn. Load: 12772 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 10465 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 137 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 1127 A
Lighting - Dwelling Unit	140 VA	100.00%	140 VA	
Other	388 VA	100.00%	388 VA	
Receptacle	4140 VA	100.00%	4140 VA	
Power	0 VA	0.00%	0 VA	
Lighting	115 VA	100.00%	115 VA	
Garbage Disposal	750 VA	75.00%	563 VA	
Refrigerator	615 VA	75.00%	461 VA	
Washer	750 VA	75.00%	563 VA	
Dishwasher	750 VA	75.00%	563 VA	
Microwave	1200 VA	75.00%	900 VA	

Branch Panel: MA-11

Location: Supply From: Mounting: Recessed Enclosure: NEMA 1

Volts: 120/240 Single Phases: 1 Wires: 3

A.I.C. Rating: 10K Mains Type: MCB Mains Rating: 150 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CJ	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4600 VA 915 VA	4600 VA 915 VA	2	20 A	Power	6	
7									8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA	1	20 A	Washer	10	
11									12	
13	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Garbage Disposal	14	
15	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 1200 VA	1	20 A	Microwave	16	
17	Dinning Receptacles	20 A	1	840 VA 815 VA	840 VA 815 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Lights	20	
21	Living Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Water Proof Receptacles	22	
23	Living Receptacles	20 A	1	360 VA 750 VA	1080 VA 1080 VA	1	20 A	Bedroom 1 Receptacles	24	
25	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	26	
27	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	28	
29	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	30	
31	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	32	
33	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	34	
35	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	36	
				Total Load:	15485 VA	17287 VA				
				Total Amps:	129 A	144 A				

Legend:

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand	Panel Totals
Cooling	100 VA	100.00%	100 VA	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	Total Conn. Load: 12772 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 10465 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 137 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 1127 A
Lighting - Dwelling Unit	140 VA	100.00%	140 VA	
Other	388 VA	100.00%	388 VA	
Receptacle	4140 VA	100.00%	4140 VA	
Power	0 VA	0.00%	0 VA	
Lighting	115 VA	100.00%	115 VA	
Garbage Disposal	750 VA	75.00%	563 VA	
Refrigerator	615 VA	75.00%	461 VA	
Washer	750 VA	75.00%	563 VA	
Dishwasher	750 VA	75.00%	563 VA	
Microwave	1200 VA	75.00%	900 VA	

Branch Panel: MA-10

Location: Supply From: Mounting: Recessed Enclosure: NEMA 1

Volts: 120/240 Single Phases: 1 Wires: 3

A.I.C. Rating: 10K Mains Type: MCB Mains Rating: 150 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CJ	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4600 VA 915 VA	4600 VA 915 VA	2	20 A	Power	6	
7									8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA	1	20 A	Washer	10	
11									12	
13	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Dishwasher	14	
15	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 1200 VA	1	20 A	Garbage Disposal	16	
17	Dinning Receptacles	20 A	1	840 VA 815 VA	840 VA 815 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Lights	20	
21	Living Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Water Proof Receptacles	22	
23	Living Receptacles	20 A	1	360 VA 750 VA	1080 VA 1080 VA	1	20 A	Bedroom 1 Receptacles	24	
25	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	26	
27	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	28	
29	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	30	
31	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	32	
33	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	34	
35	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	36	
				Total Load:	18635 VA	18277 VA				
				Total Amps:	155 A	152 A				

Legend:

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand	Panel Totals
Cooling	100 VA	100.00%	100 VA	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	Total Conn. Load: 16911 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 14595 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 154 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 144 A
Lighting - Dwelling Unit	140 VA	100.00%	140 VA	
Other	388 VA	100.00%	388 VA	
Receptacle	3780 VA	100.00%	3780 VA	
Power	4500 VA	100.00%	4500 VA	
Lighting	115 VA	100.00%	115 VA	
Garbage Disposal	750 VA	75.00%	563 VA	
Refrigerator	615 VA	75.00%	461 VA	
Washer	750 VA	75.00%	563 VA	
Dishwasher	750 VA	75.00%	563 VA	
Microwave	1200 VA	75.00%	900 VA	

Branch Panel: MA-12

Location: Supply From: Mounting: Recessed Enclosure: NEMA 1

Volts: 120/240 Single Phases: 1 Wires: 3

A.I.C. Rating: 10K Mains Type: MCB Mains Rating: 150 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CJ	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4600 VA 915 VA	4600 VA 915 VA	2	20 A	Power	6	
7									8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA	1	20 A	Washer	10	
11									12	
13	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Garbage Disposal	14	
15	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 1200 VA	1	20 A	Microwave	16	
17	Dinning Receptacles	20 A	1	840 VA 815 VA	840 VA 815 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Lights	20	
21	Living Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Water Proof Receptacles	22	
23	Living Receptacles	20 A	1	360 VA 750 VA	1080 VA 1080 VA	1	20 A	Bedroom 1 Receptacles	24	
25	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	26	
27	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	28	
29	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	30	
31	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	32	
33	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	34	
35	Spare	20 A	1	0 VA 0 VA	0 VA 0 VA	1	20 A	Spare	36	
				Total Load:	17735 VA	19177 VA				
				Total Amps:	148 A	160 A				

Legend:

Load Classification	Connected Load (VA)	Demand Factor	Estimated Demand	Panel Totals
Cooling	100 VA	100.00%	100 VA	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	Total Conn. Load: 16911 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 14595 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 154 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 144 A
Lighting - Dwelling Unit	140 VA	100.00%	140 VA	
Other	388 VA	100.00%	388 VA	
Receptacle	3780 VA	100.00%	3780 VA	
Power	4500 VA	100.00%	4500 VA	
Lighting	115 VA	100.00%	115 VA	
Garbage Disposal	750 VA	75.00%	563 VA	
Refrigerator	615 VA	75.00%	461 VA	
Washer	750 VA	75.00%	563 VA	
Dishwasher	750 VA	75.00%	563 VA	
Microwave	1200 VA	75.00%	900 VA	

DRAWING NOTES

- A. PLEASE REFER TO SHEET E000 FOR PROJECT NOTES, LEGEND, AND ABBREVIATIONS.
- B. PANEL SCHEDULES ARE REPRESENTATIVE OF THE TYPE OF UNIT. INDIVIDUAL UNITS MAY VARY SLIGHTLY.
- C. PANEL DOORS SHALL BE FACTORY FINISH WHITE WITH FACTORY FINISH WHITE SCREWS AND WHITE PLASTIC LATCH.
- D. PANEL DIRECTORY SHALL BE NEATLY PRINTED OR TYPED ON EACH PANEL DOOR.
- E. THE "HOUSE" PANELS COVER UP TO THREE BUILDINGS AND MAY CONTAIN THE CIRCUITS FOR THE FOLLOWING: GFCI RECEPTACLES AT ALL HEAT PUMPS, FRONT PORCH AND BREEZE WAY LIGHTS, POWER FOR SECURITY CAMERAS, POWER FOR AUTO GATE OPERATOR, POWER FOR MAN GATE AND ACCESS CONTROL, SPRINKLER ROOM VALVES, SPRINKLER ROOM WALL HEATER, SPRINKLER ROOM LIGHT AND RECEPTACLES, SPRINKLER ROOM ACCESS CONTROL, IRRIGATION CONTROLLER, SIGN/MONUMENT LIGHT, ETC.
- F. REFER TO SHEET E006 FOR UNIT PANEL CALCULATIONS.



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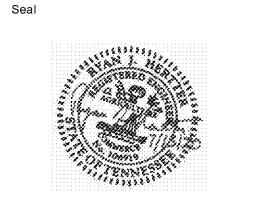
Issues and Revisions

Date	Issued / Revised
1 03/16/2020	50% CONSTRUCTION DOCUMENTS
2 05/18/2020	80% CONSTRUCTION DOCUMENTS
3 07/13/2020	PERMIT

BUILDING ADDRESSES

TYPE E/B	402, 444, 448, 448 BATHURST LANE
TYPE H/A	324, 296, 298, 330 ISHAMEL PLACE
TYPE H/A	373, 400 VANCE AVE
TYPE H/A	315, 364 FOOTE LANE
TYPE L/C	583 S DANNY THOMAS BLVD
TYPE L/C	385, 431 VANCE AVE
TYPE L/A	315 ISHAMEL PLACE
TYPE L/A	377 ISHAMEL PLACE
TYPE L/A	420, 355 FOOTE LANE
TYPE M/A	345 S DANNY THOMAS BLVD
TYPE M/A	402, 428 FOOTE LANE

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LRK Project Number: 01.15100.02

Project Name:
South City CNI Phase 4
Memphis TN

Drawing Name:
ELECTRICAL PANEL SCHEDULES - BUILDING M-A

Drawn By: PTH
Checked By: RJH

MA-E302

Order Plans