

Branch Panel: MA-21

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: 225 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CU	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4500 VA 2250 VA	4500 VA 2250 VA	2	30 A	Water Heater	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	720 VA 615 VA	720 VA 615 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	294 VA 720 VA	294 VA 720 VA	1	20 A	Lighting	20	
21	Living Receptacles	20 A	1	1080 VA 180 VA	1080 VA 180 VA	1	20 A	Water Proof Receptacles	22	
23	Spare	20 A	1	0 VA 0 VA	0 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	Total Amps: 155 A	Total Demand: 154 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	
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Conn. Load: 37091 VA
HVAC	3360 VA	100.00%	3360 VA	Total Est. Demand: 34775 VA
Heating	9000 VA	100.00%	9000 VA	Total Conn.: 155 A
Lighting - Dwelling Unit	140 VA	100.00%	140 VA	Total Est. Demand: 145 A
Other	396 VA	100.00%	396 VA	
Receptacle	3960 VA	100.00%	3960 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-22

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: 225 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CU	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4500 VA 2250 VA	4500 VA 2250 VA	2	30 A	Water Heater	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	720 VA 615 VA	720 VA 615 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	294 VA 720 VA	294 VA 720 VA	1	20 A	Lighting	20	
21	Livingroom Receptacles	20 A	1	360 VA 180 VA	360 VA 180 VA	1	20 A	Water Proof Receptacles	22	
23	Livingroom Receptacles	20 A	1	360 VA 180 VA	360 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	Total Amps: 148 A	Total Demand: 161 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	
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Conn. Load: 37011 VA
HVAC	3360 VA	100.00%	3360 VA	Total Est. Demand: 34695 VA
Heating	9000 VA	100.00%	9000 VA	Total Conn.: 154 A
Lighting - Dwelling Unit	140 VA	100.00%	140 VA	Total Est. Demand: 145 A
Other	396 VA	100.00%	396 VA	
Receptacle	3960 VA	100.00%	3960 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-23

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: 225 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CU	25 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4500 VA 2250 VA	4500 VA 2250 VA	2	30 A	Water Heater	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	540 VA 615 VA	540 VA 615 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	294 VA 720 VA	294 VA 720 VA	1	20 A	Lighting	20	
21	Living Receptacles	20 A	1	360 VA 180 VA	360 VA 180 VA	1	20 A	Water Proof Receptacles	22	
23	Living Receptacles	20 A	1	360 VA 180 VA	360 VA 900 VA	1	20 A	Bedroom 1 Receptacles	24	
25	Bedroom 2 Receptacles	20 A	1	900 VA 0 VA	900 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	Total Amps: 155 A	Total Demand: 162 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	
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Conn. Load: 38144 VA
HVAC	3360 VA	100.00%	3360 VA	Total Est. Demand: 35796 VA
Heating	9000 VA	100.00%	9000 VA	Total Conn.: 159 A
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	Total Est. Demand: 140 A
Other	566 VA	100.00%	566 VA	
Receptacle	4680 VA	100.00%	4680 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	
Bathroom	180 VA	100.00%	180 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-24

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: 225 A MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

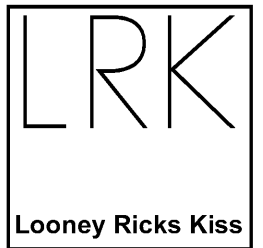
CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	CU	20 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2	
3									4	
5	AHU	45 A	2	4500 VA 2250 VA	4500 VA 2250 VA	2	30 A	Water Heater	6	
7									8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA	1	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	720 VA 615 VA	720 VA 615 VA	1	20 A	Refrigerator	18	
19	Cooling	20 A	1	294 VA 720 VA	294 VA 720 VA	1	20 A	Lighting	20	
21	Living Receptacles	20 A	1	360 VA 180 VA	360 VA 180 VA	1	20 A	Water Proof Receptacles	22	
23	Living Receptacles	20 A	1	360 VA 180 VA	360 VA 900 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	Total Amps: 155 A	Total Demand: 161 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	
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Conn. Load: 37504 VA
HVAC	3360 VA	100.00%	3360 VA	Total Est. Demand: 35618 VA
Heating	9000 VA	100.00%	9000 VA	Total Conn.: 158 A
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	Total Est. Demand: 148 A
Other	566 VA	100.00%	566 VA	
Receptacle	4680 VA	100.00%	4680 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 E006 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 BREEZEWAY LIGHTS, POWER FOR SECURITY CAMERAS, POWER FOR AUTO GATE OPENER, POWER FOR MAIN 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.



Architecture Planning Interiors Research
50 South B.B. King Boulevard
Memphis, Tennessee 38103
Telephone 901 521 1440
Fax 901 525 2760
E-mail info@lrk.com

Client:

**McCormack Baron
Salazar**

720 Olive St, Suite 2500

St. Louis, MO 63101

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 442, 444, 446, 448 BATHURST LANE
- TYPE E/A 324, 296, 298, 330 ISHAMEL PLACE
- TYPE E/LA 373, 400 VANCE AVE
- TYPE E/LA 315, 364 FOOTE LANE
- TYPE E/LA 363 S DANNY THOMAS BLVD
- TYPE E/LA 365, 431 VANCE AVE
- TYPE E/LA 373 ISHAMEL PLACE
- TYPE E/LA 420, 355 FOOTE LANE
- TYPE E/LA 348 S DANNY THOMAS BLVD
- TYPE E/LA 402, 428 FOOTE LANE

©2020 LRK Inc.
Drawings, written material, and design concepts shall not be used or reproduced in whole or part in any form or format without prior written consent of LRK Inc. Do not scale drawings. Use given dimensions only. If not shown, verify correct dimensions with the Architect. Contractor shall check and verify all dimensions and conditions at job.

Seal



LRK Project Number: 01.15100.02

Project Name:
**South City CNI
Phase 4**

Memphis TN

Drawing Name:

**ELECTRICAL PANE,
SCHEDULES - BUILDING
M-A**

Drawn By: Author

Checked By: Checker