

Branch Panel: LA-1

Location: Mains Type: MCB
Supply From: Mains Rating: 225 A
Mounting: Recessed Enclosure: NEMA 1

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

A.I.C. Rating: 150 A
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	C	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	AHJ	45 A	2	4500 VA 0 VA	4500 VA 0 VA		2	20 A	Power	6	
7									GFCI BREAKER	8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA		1	20 A	Electric Clothes Washer	10	
11	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA		1	20 A	Dishwasher	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 750 VA		1	20 A	Microwave	16	
17	Dining Receptacles	20 A	1	720 VA 0 VA	720 VA 0 VA		1	20 A	Refrigerator	18	
19	Bathroom 1 Receptacle	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Unit Lights	20	
21	Livingroom Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA		1	20 A	Weather Proof Receptacle	22	
23	Livingroom Receptacles	20 A	1	1080 VA 900 VA	1080 VA 900 VA		1	20 A	Bedroom Receptacles	24	
25	Bedroom 1 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:	16555 VA				17234 VA		
				Total Amps:	138 A				144 A		

Legend:

LOADS (VA)	80 VA/143 VA	100.00%/100.00% ^h	Estimated Demand	Panel Totals
Lighting			100 VA	
Receptacles			5000 VA	Total Conn. Load: 33798 VA
Motors			5200 VA	Total Est. Demand: 31482 VA
Space Heating			3360 VA	Total Conn.: 141 A
Kitchen Equipment			9000 VA	Total Est. Demand: 131 A
Continuous Loads			80 VA	
Other			540 VA	
			4860 VA	
			0 VA	
			143 VA	
			563 VA	
			461 VA	
			180 VA	
			563 VA	
			563 VA	
			900 VA	

Notes:

Branch Panel: LA-2

Location: Mains Type: MCB
Supply From: Mains Rating: 225 A
Mounting: Recessed Enclosure: NEMA 1

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

A.I.C. Rating: 150 A
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 150 A

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	C	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	AHJ	45 A	2	4500 VA 0 VA	4500 VA 0 VA		2	20 A	Power	6	
7									GFCI BREAKER	8	
9	Electric Clothes Dryer	30 A	2	2500 VA 750 VA	2500 VA 750 VA		1	20 A	Electric Clothes Washer	10	
11	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA		1	20 A	Dishwasher	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 750 VA		1	20 A	Microwave	16	
17	Dining Receptacles	20 A	1	720 VA 0 VA	720 VA 0 VA		1	20 A	Refrigerator	18	
19	Bathroom 1	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Unit Lights	20	
21	Livingroom Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA		1	20 A	Weather Proof Receptacle	22	
23	Livingroom Receptacles	20 A	1	1080 VA 900 VA	1080 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:	18815 VA				18753 VA		
				Total Amps:	157 A				156 A		

Legend:

LOADS (VA)	80 VA/143 VA	100.00%/100.00% ^h	Estimated Demand	Panel Totals
Lighting			100 VA	
Receptacles			5000 VA	Total Conn. Load: 37568 VA
Motors			5200 VA	Total Est. Demand: 35252 VA
Space Heating			3360 VA	Total Conn.: 157 A
Kitchen Equipment			9000 VA	Total Est. Demand: 147 A
Continuous Loads			80 VA	
Other			4860 VA	
			4500 VA	
			24 VA	
			143 VA	
			461 VA	
			180 VA	
			563 VA	
			563 VA	
			900 VA	

Notes:

Branch Panel: LA-3

Location: Mains Type: MCB
Supply From: Mains Rating: 150 A
Mounting: Recessed Enclosure: NEMA 1

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

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

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	CU	30 A	2	1680 3250	1680 3250		2	50 A	Electric Range	2	
3										4	
5	AHJ	45 A	2	4500 0 VA	4500 0 VA		2	20 A	Water Heater	6	
7										8	
9	Electric Clothes Dryer	30 A	2	2500 0 VA	2500 0 VA		1	20 A	Clothes Washer	10	
11	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA		1	20 A	Dishwasher GFCI BREAKER	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 1200 VA	360 VA 1200 VA		1	20 A	Microwave	16	
17	Dining Receptacles	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Refrigerator	18	
19	Bathroom 1	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Unit Lights	20	
21	Livingroom Receptacles	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Weather Proof Receptacle	22	
23	Livingroom Receptacles	20 A	1	0 VA 0 VA	0 VA 0 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:	16485 VA				16973 VA		
				Total Amps:	129 A				141 A		

Legend:

LOADS (VA)	80 VA/143 VA	100.00%/100.00% ^h	Estimated Demand	Panel Totals
Lighting			100 VA	
Receptacles			5000 VA	Total Conn. Load: 32488 VA
Motors			5200 VA	Total Est. Demand: 30142 VA
Space Heating			3360 VA	Total Conn.: 135 A
Kitchen Equipment			9000 VA	Total Est. Demand: 126 A
Continuous Loads			80 VA	
Other			375 VA	
			0 VA	
			143 VA	
			563 VA	
			461 VA	
			180 VA	
			563 VA	
			563 VA	
			900 VA	

Notes:

Branch Panel: LA-4

Location: Mains Type: MCB
Supply From: Mains Rating: 150 A
Mounting: Recessed Enclosure: NEMA 1

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

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

Notes: ALL BREAKERS AFI TYPE

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	CU	20 A	2	1680 3250	1680 3250		2	50 A	Electric Range	2	
3										4	
5	AHJ	30 A	2	4500 0 VA	4500 0 VA		2	20 A	Power	6	
7										8	
9	Electric Clothes Dryer	30 A	2	2500 0 VA	2500 0 VA		1	20 A	Clothes Washer	10	
11	Kitchen Countertop Receptacles	20 A	1	360 VA 750 VA	360 VA 750 VA		1	20 A	Dishwasher GFCI BREAKER	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 1200 VA	360 VA 1200 VA		1	20 A	Microwave	16	
17	Dining Receptacles	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Refrigerator	18	
19	Bathroom 1	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Unit Lights	20	
21	Livingroom Receptacles	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Weather Proof Receptacle	22	
23	Livingroom Receptacles	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	Bedroom 1 Receptacles	24	
25	Power	20 A	2	2250			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				19541 VA		
				Total Amps:	148 A				163 A		

Legend:

LOADS (VA)	140 VA/143 VA	100.00%/100.00% ^h	Estimated Demand	Panel Totals
Lighting			100 VA	
Receptacles			5000 VA	Total Conn. Load: 37275 VA
Motors			5200 VA	Total Est. Demand: 34959 VA
Space Heating			3360 VA	Total Conn.: 155 A
Kitchen Equipment			9000 VA	Total Est. Demand: 146 A
Continuous Loads			140 VA	
Other			360 VA	
			3960 VA	
			4500 VA	
			143 VA	
			563 VA	
			461 VA	
			180 VA	
			563 VA	
			563 VA	
			900 VA	

Notes:

- DRAWING NOTES
- PLEASE REFER TO SHEET E006 FOR PROJECT NOTES, LEGEND, AND ABBREVIATIONS.
 - PANEL SCHEDULES ARE REPRESENTATIVE OF THE TYPE OF UNIT. INDIVIDUAL UNITS MAY VARY SLIGHTLY.
 - PANEL DOORS SHALL BE FACTORY FINISH WHITE WITH FACTORY FINISH WHITE SCREWS AND WHITE PLASTIC LATCH.
 - PANEL DIRECTORY SHALL BE NEATLY PRINTED OR TYPED ON EACH PANEL DOOR.
 - 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 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.
 - REFER TO SHEET E006 FOR UNIT PANEL CALCULATIONS.



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Issues and Revisions

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

- BUILDING ADDRESSES
- TYPE G/B 402, 444, 448, 448 BATHURF LANE
 - TYPE H/A 324, 298, 239, 330 ISHMAEL PLACE
 - TYPE H/A 353, 440 VANCE AVE
 - TYPE H/A 315, 364 FOOTE LANE
 - TYPE L/C 363 S DANNY THOMAS BLVD
 - TYPE L/A 365, 431 VANCE AVE
 - TYPE L/A 315 BIRWELL PLACE
 - TYPE L/A 327 ISHMAEL PLACE
 - TYPE L/A 420, 353 FOOTE LANE
 - TYPE M/A 363 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 L-A
Drawn By: PTH
Checked By: RJH

LA-E300

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