

Branch Panel: HA-1
 Location: 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	25 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2
3									4
5	Electric Clothes Dryer	30 A	2	2500 VA 2250 VA	2500 VA 2250 VA	2	30 A	Water Heater	6
7									8
9	AHU	45 A	2	4500 VA 750 VA	4500 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 GFCI BREAKER	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 615 VA	840 VA 615 VA	1	20 A	Refrigerator	18
19	Bathroom 1	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Washer	20
21	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 VA	1	20 A	Weather Proof Receptacles	22
23	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 VA	1	20 A	Bedroom 2 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:				19175 VA	15486 VA				
Total Amps:				160 A	162 A				

Legend:

Load Classification	Connected Load	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: 58654 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 36344 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 161 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 151 A
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	
Other	566 VA	100.00%	566 VA	
Receptacle	5220 VA	100.00%	5220 VA	
Power	4500 VA	100.00%	4500 VA	
Lighting	124 VA	100.00%	124 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	

Notes:

Branch Panel: HA-3
 Location: 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	25 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2
3									4
5	Electric Clothes Dryer	30 A	2	2500 VA 2250 VA	2500 VA 2250 VA	2	30 A	Water Heater	6
7									8
9	AHU	45 A	2	4500 VA 750 VA	4500 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 GFCI BREAKER	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 615 VA	840 VA 615 VA	1	20 A	Refrigerator	18
19	Bathroom 1	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Washer	20
21	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 VA	1	20 A	Weather Proof Receptacles	22
23	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 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:				18995 VA	19660 VA				
Total Amps:				158 A	164 A				

Legend:

Load Classification	Connected Load	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: 58654 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 36338 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 161 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 151 A
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	
Other	566 VA	100.00%	566 VA	
Receptacle	5220 VA	100.00%	5220 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	

Notes:

Branch Panel: HA-2
 Location: 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	25 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2
3									4
5	Electric Clothes Dryer	30 A	2	2500 VA 2250 VA	2500 VA 2250 VA	2	30 A	Water Heater	6
7									8
9	AHU	45 A	2	4500 VA 750 VA	4500 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 GFCI BREAKER	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 615 VA	840 VA 615 VA	1	20 A	Refrigerator	18
19	Bathroom 1	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Washer	20
21	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 VA	1	20 A	Weather Proof Receptacles	22
23	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 VA	1	20 A	Bedroom 2 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:				18995 VA	19660 VA				
Total Amps:				158 A	164 A				

Legend:

Load Classification	Connected Load	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: 58654 VA
Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 36338 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 161 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 151 A
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	
Other	566 VA	100.00%	566 VA	
Receptacle	5220 VA	100.00%	5220 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	

Notes:

Branch Panel: HA-4
 Location: 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	25 A	2	1680 VA 3250 VA	1680 VA 3250 VA	2	50 A	Electric Range	2
3									4
5	Electric Clothes Dryer	30 A	2	2500 VA 2250 VA	2500 VA 2250 VA	2	30 A	Water Heater	6
7									8
9	AHU	45 A	2	4500 VA 750 VA	4500 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 GFCI BREAKER	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 615 VA	840 VA 615 VA	1	20 A	Refrigerator	18
19	Bathroom 1	20 A	1	360 VA 750 VA	360 VA 750 VA	1	20 A	Washer	20
21	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 VA	1	20 A	Weather Proof Receptacles	22
23	Living Receptacles	20 A	1	720 VA 180 VA	720 VA 180 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:				19175 VA	19660 VA				
Total Amps:				160 A	164 A				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
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Electric Range - 3.5 kW to 8.75 kW	6500 VA	80.00%	5200 VA	Total Est. Demand: 36338 VA
HVAC	3360 VA	100.00%	3360 VA	Total Conn.: 162 A
Heating	9000 VA	100.00%	9000 VA	Total Est. Demand: 152 A
Lighting - Dwelling Unit	80 VA	100.00%	80 VA	
Other	566 VA	100.00%	566 VA	
Receptacle	5400 VA	100.00%	5400 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	

Notes:

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 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.



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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 E.B. 442, 444, 446, 448 BATHURF LANE
 224, 226, 228, 230 ISHMAEL PLACE
 TYPE I.A. 323, 440 WANCE AVE
 315, 364 FOOTE LANE
 315 S DANNY THOMAS BLVD
 TYPE I.C. 365, 431 WANCE AVE
 315 ISHMAEL PLACE
 TYPE I.L. 37 ISHMAEL PLACE
 420, 555 FOOTE LANE
 146 S DANNY THOMAS BLVD
 TYPE I.A. 402, 428 FOOTE LANE

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Seal



LRK Project Number: 01.15100.02

Project Name:
South City CNI Phase 4
 Memphis TN

Drawing Name:
ELECTRICAL PANEL SCHEDULES - BUILDING H-A

Drawn By: PTH
 Checked By: RJH