

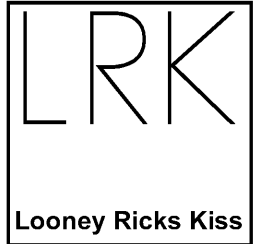
Branch Panel: HLA											
Location:			Volts: 120/240 Single			A.I.C. Rating:					
Supply From:			Phases: 1			Mains Type: MCB					
Mounting: Recessed			Wires: 3			Main Rating: 100 A					
Enclosure:						MCB Rating: 100 A					
Notes: ALL BREAKERS AFI TYPE											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
HLA-1	Receptacle	20 A	1	180 VA	154 VA		1	20 A	Receptacle	HLA-2	
HLA-3	Receptacle	20 A	1		140 VA	180 VA		20 A	Receptacle	HLA-4	
HLA-5	Receptacle	20 A	1			0 VA	0 VA	20 A	Receptacle	HLA-6	
HLA-7	Receptacle	20 A	1	0 VA				20 A	Receptacle	HLA-8	
HLA-9										HLA-10	
HLA-11										HLA-12	
HLA-13										HLA-14	
HLA-15										HLA-16	
HLA-17										HLA-18	
HLA-19										HLA-20	
HLA-21										HLA-22	
HLA-23										HLA-24	
HLA-25										HLA-26	
HLA-27										HLA-28	
HLA-29										HLA-30	
				Total Load:	672 VA	900 VA	0 VA				
				Total Amps:	6 A	8 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	0 VA	0.00%	0 VA	
Receptacle	1440 VA	100.00%	1440 VA	Total Conn. Load: 1568 VA
Lighting	154 VA	100.00%	154 VA	Total Est. Demand: 1568 VA
				Total Est. Demand: 7 A

CALCULATED LOAD ANALYSIS		BUILDING LA W END	
1. LIGHTING LOADS			
GENERAL LIGHTING & GENERAL RECEPTACLE LOADS			
Per NEC 2011 Article 220.84			
3949 SF	3 VA/SF	100%	11847 VA
2. SMALL BRANCH AND LAUNDRY CIRCUITS			
SMALL APPLIANCE BRANCH CIRCUIT AND LAUNDRY CIRCUIT			
Circuits per NEC 2011 Article 210.11 & (18.2)			
15	x	1500 VA	=
			22500 VA
3. NAMEPLATE LOADS			
APPLIANCE	=	17975	x 100% = 17975
RANGE	=	32500	x 100% = 32500
DRYER	=	25000	x 100% = 25000
WATER HEATER	=	22500	x 100% = 22500
			TOTAL 97975 VA
4. OTHER PERMANENTLY CONNECTED MOTORS			
MOTOR	=	500	x 100% = 500
			TOTAL 188322 VA
5. AIR CONDITIONER OR SPACE HEATING LOAD (LARGER OF THE TWO)			
HVAC	=	50500	x 100% = 50500
			TOTAL 188322 VA
DEMAND FACTORS FOR THREE OR MORE MULTIFAMILY DWELLING UNITS:			
3-5	45%		
6-7	44%	HOUSE PANEL	0 VA
8-10	43%		
CALCULATED TOTALS X DIVERSITY FACTOR PLUS HOUSE PANEL:			
		84081.9 VA	
			350.3 A

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8-10	43%		
CALCULATED TOTALS X DIVERSITY FACTOR PLUS HOUSE PANEL:			
		82494.9 VA	
			343.7 A

- DRAWING NOTES**
- PLEASE REFER TO SHEET E000 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 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.
 - 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	ADDRESS
TYPE G/B	442, 444, 446, 448 BATHURST LANE
	324, 296, 298, 330 SHAWNEE PLACE
TYPE H/A	373, 440 VANCE AVE
	315, 364 FOOTE LANE
	303 S DANNY THOMAS BLVD
TYPE L/C	365, 431 VANCE AVE
	315 SHAWNEE PLACE
TYPE L/A	327 SHAWNEE PLACE
	420, 355 FOOTE LANE
	345 S DANNY THOMAS BLVD
TYPE M/A	402, 428 FOOTE LANE

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LRK Project Number: 01.15100.42

Project Name:
South City CNI Phase 4
Memphis TN

Drawing Name:
ELECTRICAL PANEL SCHEDULES - BUILDING LA

Drawn By: DRW
Checked By: RJH

LA-E303

SERVICE FEEDER SCHEDULE				
1 PHASE, 3W SERVICE PANEL (AMP)	CABLE/CONDUCTORS	CONDUIT	SERVICE GROUND	EQUIPMENT GROUND
100	3 #2	1 1/4"	#8	#8
150	3 #1/0	2"	#6	#6
225	3 #4/0	2 1/2"	#2	#4
400	2 SETS OF 3 #3/0	2" EA.	#1/0	#3
600	2 SETS OF 3 #350 KCMIL	3" EA.	#2/0	#1
3 PHASE, 4W SERVICE PANEL (AMP)	CABLE/CONDUCTORS	CONDUIT	SERVICE GROUND	EQUIPMENT GROUND
400	2 SETS OF 4 #3/0	2 1/2" EA	#1/0	#3
600	2 SETS OF 4 #350 KCMIL	3" EA	#3/0	#1

○ SERVICE FEEDER SCHEDULE
N.T.S.

