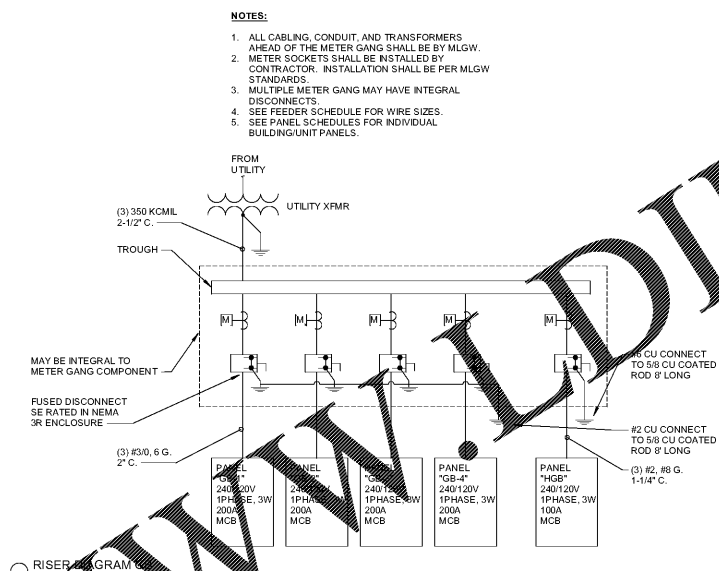


Branch Panel: HGB										
Location:			Volts: 120/240 Single			A.I.C. Rating: 10K				
Supply From:			Phases: 1			Main Type: MCB				
Enclosure: NEMA 3R			Wires: 3			Mains Rating: 100 A				
						MCB Rating: 100 A				
Notes: ALL BREAKERS AFI TYPE										
CKT	Circuit Description	Trips	Poles	A	B	Poles	Trips	Circuit Description	CKT	
HGB-1	House Lights	20 A	1	104 VA	360 VA	0 VA	0 VA	1	20 A	HGB-2
HGB-3	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-4
HGB-5	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-6
HGB-7	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-8
HGB-9	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-10
HGB-11	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-12
HGB-13	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-14
HGB-15	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-16
HGB-17	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-18
HGB-19	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-20
HGB-21	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-22
HGB-23	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-24
HGB-25	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-26
HGB-27	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-28
HGB-29	Spare	20 A	1	0 VA	0 VA	0 VA	0 VA	1	20 A	HGB-30
				Total Load:		464 VA		0 VA		
				Total Amps:		4 A		0 A		
Legend:										
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals						
Other	104 VA	100.00%	104 VA	Total Conn. Load: 464 VA						
Receptacle	360 VA	100.00%	360 VA	Total Est. Demand: 464 VA						
				Total Conn.: 2 A						
				Total Est. Demand: 2 A						
Notes:										

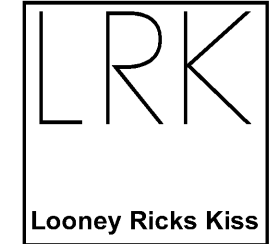
CALCULATED LOAD ANALYSIS				
BUILDING GB				
1. LIGHTING LOADS				
GENERAL LIGHTING & GENERAL RECEPTACLE LOADS				
Per NEC 2011 Article 220.84				
	5384.5F	x	3 VA/SF	x 100% = 16152 VA
2. SMALL BRANCH AND LAUNDRY CIRCUITS				
SMALL APPLIANCE BRANCH CIRCUIT AND LAUNDRY CIRCUIT				
Circuits per NEC 2011 Article 210.11 (1)&(2)				
	12	x	1500 VA	= 18000 VA
3. NAMEPLATE LOADS				
APPLIANCE	=	14380	x	100% = 14380
RANGE	=	26000	x	100% = 26000
DRYER	=	20000	x	100% = 20000
WATER HEATER	=	18000	x	100% = 18000
				TOTAL 78380 VA
4. OTHER PERMANENTLY CONNECTED MOTORS				
MOTOR	=	0	x	100% = 0
5. AIR CONDITIONER OR SPACE HEATING LOAD (LARGER OF THE TWO)				
HVAC	=	38640	x	100% = 38640
				11172 VA
DEMAND FACTORS FOR THREE OR MORE MULTIFAMILY DWELLING UNITS:				
3-5	45%			
6-7	44%			
8-10	43%			
CALCULATED LOADS X DIVERSITY FACTOR PLUS HOUSE PANEL:				
=	71027.4 VA			
=	295.9			



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 #10	2"	#6	#6
225	3 #40	2 1/2"	#2	#4
400	2 SETS OF 3 #30	2" EA.	#10	#3
600	2 SETS OF 3 #350 KCMIL	3" EA.	#20	#1
3 PHASE, 4W SERVICE PANEL (AMP)	CABLE/CONDUCTORS	CONDUIT	SERVICE GROUND	EQUIPMENT GROUND
400	2 SETS OF 4 #30	2 1/2" EA	#10	#3
600	2 SETS OF 4 #350 KCMIL	3" EA	#30	#1

○ SERVICE FEEDER SCHEDULE
N.T.S.

- 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 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.



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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: 442, 444, 446, 448 BATHURST LANE
 - TYPE H-A: 324, 296, 298, 330 ISHMAEL PLACE
 - TYPE H-A: 313, 440 VANCE AVE
 - TYPE H-A: 315, 364 FOOTE LANE
 - TYPE H-C: 363 S DANNY THOMAS BLVD
 - TYPE H-C: 365, 431 VANCE AVE
 - TYPE H-C: 315 ISHMAEL PLACE
 - TYPE H-A: 327 ISHMAEL PLACE
 - TYPE H-A: 420, 353 FOOTE LANE
 - TYPE H-A: 340 S DANNY THOMAS BLVD
 - TYPE H-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 G-B

Drawn By: PTH
Checked By: RJH

GB-E301