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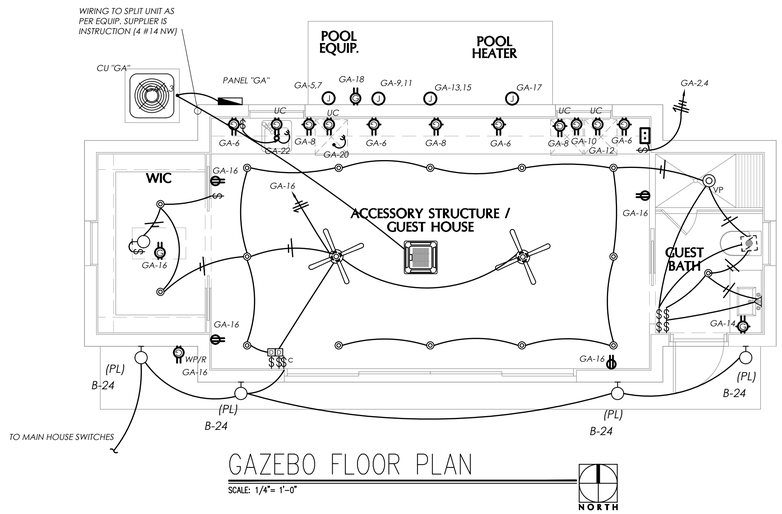
LOAD CALCULATION	PNL"A"	PNL"B"	PNL "GA"	SERVICE	GENER.	
SQUARE FEET OF CONDITION SPACE	3,960	2,370	550	6,880	6,880	
GENERAL LIGHTING AT 3 W.S.F	11,880	7,110	1,650	20,640	20,640	
SMALL APPLIANCES CIRCUITS	6	0	2	8	4	ST
SMALL APPLIANCES LOAD	9,000	0	3,000	12,000	6,000	
GARAGE DOOR & GATE MOTOR	1,700	0	0	1,700	1,700	ST
LAUNDRY /WASHER	3,000	0	0	3,000	1,500	ST
DOUBLE OVEN/MICRO / COFFEE	12,000	0	0	12,000	0	ST
COOKTOP	6,000	0	0	6,000	0	ST
DRYER	5,000	0	0	5,000	0	ST
POOL EQUIPMENT	0	0	12,600	12,600	0	ST
HOT WATER HEATER	0	0	9,000	9,000	9,000	
STEAM UNIT	0	12,000	0	12,000	0	ST
REFRIGERATOR/ICE MACHINE/WINE	6,250	0	650	6,900	6,900	
DISHWASHER	1,200	0	1,200	2,400	2,400	
DISPOSAL/GARBAGE DISPOSAL	750	0	650	1,400	750	ST
IRIGATION PUMP	0	1,840	0	1,840	0	ST
A/C @ 100 %	16,150	5,575	3,575	25,300	10,575	ST AD
DEMAND						
GEN.LIGH.,LAUNDRY & SMALL APPLINCES	25,580	7,110	4,650	37,340	28,140	
FIRST 3 KVA @ 100%	3,000	3,000	3,000	3,000	3,000	
NEXT 117 KVA @ 35%	7,903	1,439	578	12,019	8,799	
REMAINDER @ 25%	0	0	0	0	0	
HEATING OR A/C @ 65%	16,150	5,575	3,575	25,300	10,575	
APPLIANCE LOAD (75% IF > 4 APPLIANCES)	12,900	0	10,875	23,775	18,788	
DRYER	5,000	0	0	5,000	0	
COOKTOP/OVEN	12,000	0	0	12,000	0	
TOTAL	56,953	10,014	18,028	81,094	41,162	
AT 240 VOLT	237	42	75	338	172	
NEUTRAL LOAD CALCULATION						
GENERAL LIGHT, WASHER AND SMALL APP.	25,580	7,110	4,650	37,340	49,100	
FIRST 3000 AT 100%	3,000	0	3,000	3,000	0	
REST AT 35%	7,903	2,489	578	12,019	17,185	
RANGE AT 70%	8,400	0	0	8,400	8,400	
DRYER AT 70%	3,500	0	0	3,500	3,500	
OTHER LOAD	0	1,840	12,600	14,440	0	
TOTAL NEUTRAL LOAD	22,803	4,329	16,178	41,359	29,085	
AT 240 VOLT	95	18	67	172	121	

ELECTRICAL SYMBOL LEGEND

- JUNCTION BOX
- EXHAUST FAN
- DUPLEX RECEPTACLE (+18" A.F.F.)
- DUPLEX RECEPTACLE W/BUILT IN USB PORT (+18" A.F.F.)
- GROUND FAULT INTERRUPTER
- GROUND FAULT INTERRUPTER OVER COUNTER
- GROUND FAULT INTERRUPTER OVER COUNTER W/USB PORT
- SINGLE RECEPTACLE
- SWITCHABLE RECEPTACLE
- 2 POLE OUTLET (RANGE)
- F.R. FLOOR RECEPTACLES
- U.C. UNDER COUNTER
- WP/R WEATHER PROOF/RESISTANT TYPE (@ RECEPTACLE, PROVIDE BUBBLE COVER)
- ELECTRICAL PANEL
- DISCONNECT SWITCH
- $ TOGGLE SWITCH
- $3 3 WAY TOGGLE SWITCH
- HOME RUN
- TELEPHONE OUTLET (+18" A.F.F.)
- PE PHOTOELECTRIC SMOKE DETECTOR
- SD-H WALL MOUNTED PHOTOELECTRIC SMOKE DETECTOR
- NEW WALL SCONCE LIGHT FIXTURE
- NEW RECESSED LIGHT FIXTURE
- VP VAPOR PROOF (60 W/MAX.)
- DIMMABLE SWITCH
- 3 3 WAY DIMMABLE SWITCH
- 4 4 WAY DIMMABLE SWITCH
- 4 4 WAY SWITCH (36" A.F.F.)
- DIMMABLE SWITCH (36" A.F.F.)



GAZEBO FLOOR PLAN

SCALE: 1/4"= 1'-0"

NORTH

TYPE: LOADCENTER NEMA 3 R
SERVICE: GAZEBO REAR
VOLTAGE: 120/240V.,1Ø,3W
MOUNTING: SURFACE

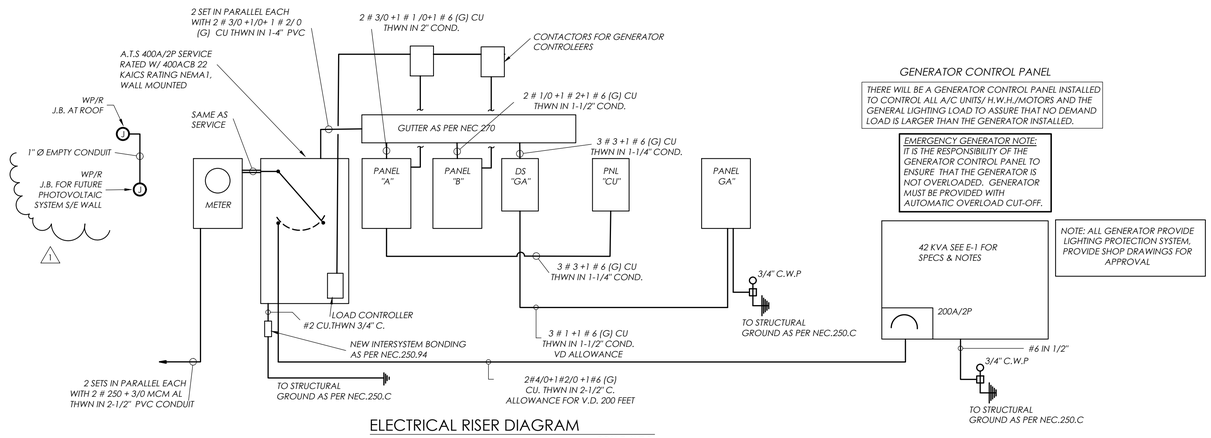
PANEL "GA"

MAIN BUS: 100A
NEUTRAL: 100A
MAIN: 100 A. /2P MCB
AICS: 10K

AMPS	POLES	TOTAL V.A.	COND. SIZE	WIRE SIZE	REMARKS	CKT NO.		CKT NO.	REMARKS	WIRE SIZE	COND. SIZE	TOTAL V.A.	POLES	AMPS
20	2	3200	1/2	10	MIN SPLIT "GA"	1		2	INSTANT WATER HEATER	8	1	9000	2	40
						3		4						
20	2	1875	1/2	12	(G) POOL PUMP	5		6	SMALL APPLIANCES (A/G)	12	1	*	1	20
						7		8	SMALL APPLIANCES (A/G)	12	1	*	1	20
20	1	1875	1/2	12	(G) RECIRCULATING PUMP	9		10	U.C. REFRIGERATOR (A/G)	12	1	650	1	20
						11		12	U.C ICE MAKER (A/G)	12	1	650	1	20
60	2	10,000	1	6	(A/G) POOL HEATER	13		14	GFI BATH (A/G)	12	1	*	1	20
						15		16	RECEPTACLES/LIGHTS (A)	12	1	*	1	20
20	1	*	1/2	12	(G) POOL LIGHTS	17		18	GFI RECEPTACLE (G)	12	1	*	1	20
-	-	-	-	-	SPACE	19		20	SPACE	-	-	-	-	-
-	-	-	-	-	SPACE	21		22	SPACE	-	-	-	-	-
-	-	-	-	-	SPACE	23		24	SPACE	-	-	-	-	-
-	-	-	-	-	SPACE	25		26	SPACE	-	-	-	-	-
-	-	-	-	-	SPACE	27		28	SPACE	-	-	-	-	-
-	-	-	-	-	SPACE	29		30	SPACE	-	-	-	-	-

LOAD CALCULATION: SEE LOAD CALCULATION
FEEDER: SEE RISER
FED FROM: SEE RISER

(A/G) COMBINATION ARCH / GFI CIRCUIT BREAKERS
(A) ARCH CIRCUIT BREAKERS
(G) GFI CIRCUIT BREAKERS
(AST AD) CONTACTOR CONTROLLED BY MANAGEMENT SYSTEM IN GENERATOR MODE
(ST) CONTACTOR "OFF" IN GENERATOR MODE



ELECTRICAL RISER DIAGRAM

SCALE: N.T.S.

Digitally signed by Edmundo Largaespada
Date: 2023.09.01 17:25:37 -04'00'

EDMUNDO J. LARGAESPADA LICENSE No 56915 STATE OF FLORIDA PROFESSIONAL ENGINEER

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REVISIONS:
1 B.D.C. 08-24-23

OWNER:
HERITAGE HOME BUILDERS, LLC.
9350 SOUTH DIXIE HIGHWAY
SUITE 1500
MIAMI, FL 33156
PHONE 305.665.3077

NEW CONSTRUCTION AT PINECREST RESIDENCE:
BY HERITAGE HOME BUILDERS, LLC.
7725 SOUTHWEST 114 STREET
VILLAGE OF PINECREST, FL 33156

SEAL:

GAZEBO
ELECTRICAL FLOOR PLAN

DATE : 03.23.2023
SCALE : AS SHOWN
DRAWN :
CHECK BY:
JOB NO. : 23__0012

E-4

SHEET NO. :

Project No.: 23_0012

Miami Dade County Department of Regulatory and Economic Resources - Job Copy
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