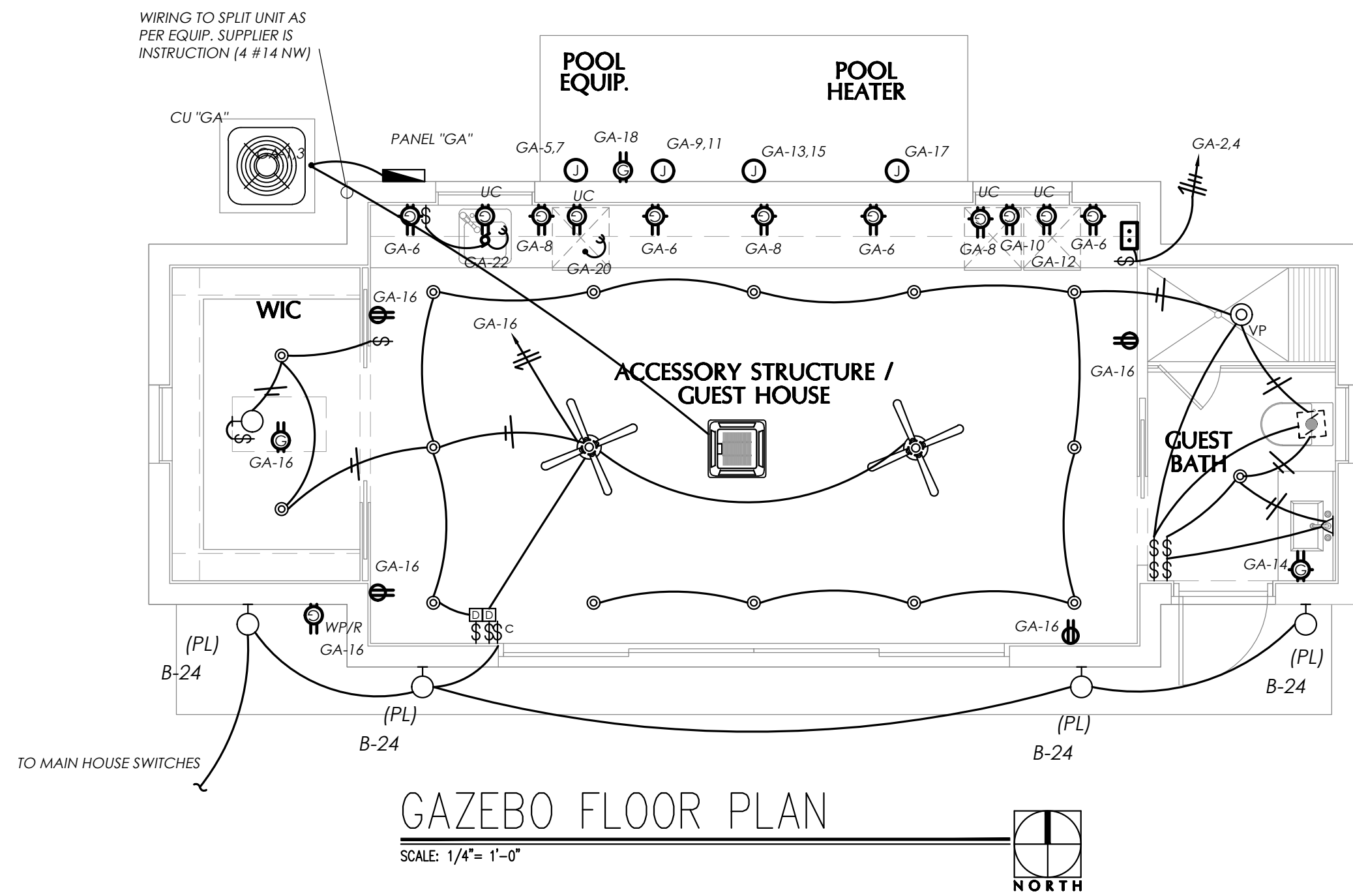
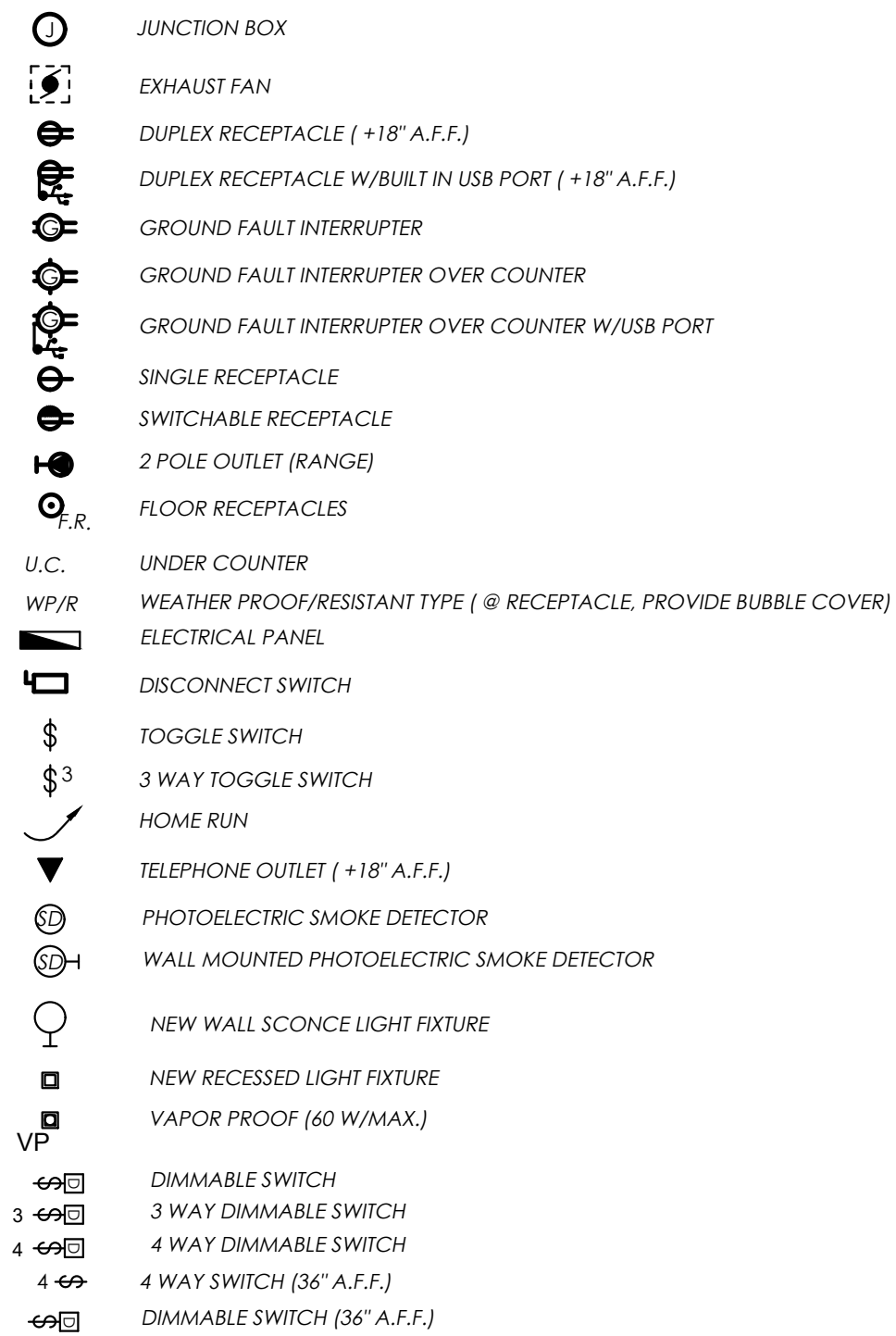


LOAD	CALCULATION	PNL"A"	PNL"B"	PNL"GA"	SERVICE	GENER.	
SQUARE FEET OF CONDITION SPACE		3,960	2,370	550	6,880	6,880	
GENERAL LIGHTING AT 3 W.S.F		11,880	7,110	1,650	20,640	20,640	
SMALL APPLIANCES CIRCUITS		6	0	2	8	4	ST
SMALL APPLIANCES LOAD		9,000	0	3,000	12,000	6,000	
GARAGE DOOR & GATE MOTOR		1,700	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 APPLINES		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



TYPE:

LOAD CENTER NEMA 3 R

SERVICE:

GAZEBO REAR

VOLTAGE:

120/240V, 1Ø, 3W

MOUNTING:

SURFACE

TOTAL V.A.

3200

COND. SIZE

1/2

WIRE SIZE

10

REMARKS

MIN SPLIT "GA"

CTK NO.

1

CTK NO.

2

AMPS

20

POLES

2

TOTAL V.A.

3200

COND. SIZE

1/2

WIRE SIZE

10

REMARKS

MIN SPLIT "GA"

CTK NO.

3

CTK NO.

4

AMPS

20

POLES

2

TOTAL V.A.

1875

COND. SIZE

1/2

WIRE SIZE

12

[G]

POOL PUMP

CTK NO.

5

CTK NO.

6

AMPS

20

POLES

1

TOTAL V.A.

1875

COND. SIZE

1/2

WIRE SIZE

12

[G]

RECIRCULATING PUMP

CTK NO.

7

CTK NO.

8

AMPS

60

POLES

2

TOTAL V.A.

10,000

COND. SIZE

1

WIRE SIZE

6

[A/G]

POOL HEATER

CTK NO.

9

CTK NO.

10

AMPS

20

POLES

1

TOTAL V.A.

*

COND. SIZE

1/2

WIRE SIZE

12

[G]

POOL LIGHTS

CTK NO.

11

CTK NO.

12

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

13

CTK NO.

14

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

15

CTK NO.

16

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

17

CTK NO.

18

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

19

CTK NO.

20

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

21

CTK NO.

22

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

23

CTK NO.

24

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

25

CTK NO.

26

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

27

CTK NO.

28

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

CTK NO.

29

CTK NO.

30

AMPS

-

POLES

-

TOTAL V.A.

-

COND. SIZE

-

WIRE SIZE

-

SPACE

MAIN BUS:

100A

NEUTRAL:

100A

MAIN:

100 A. /2P MCB

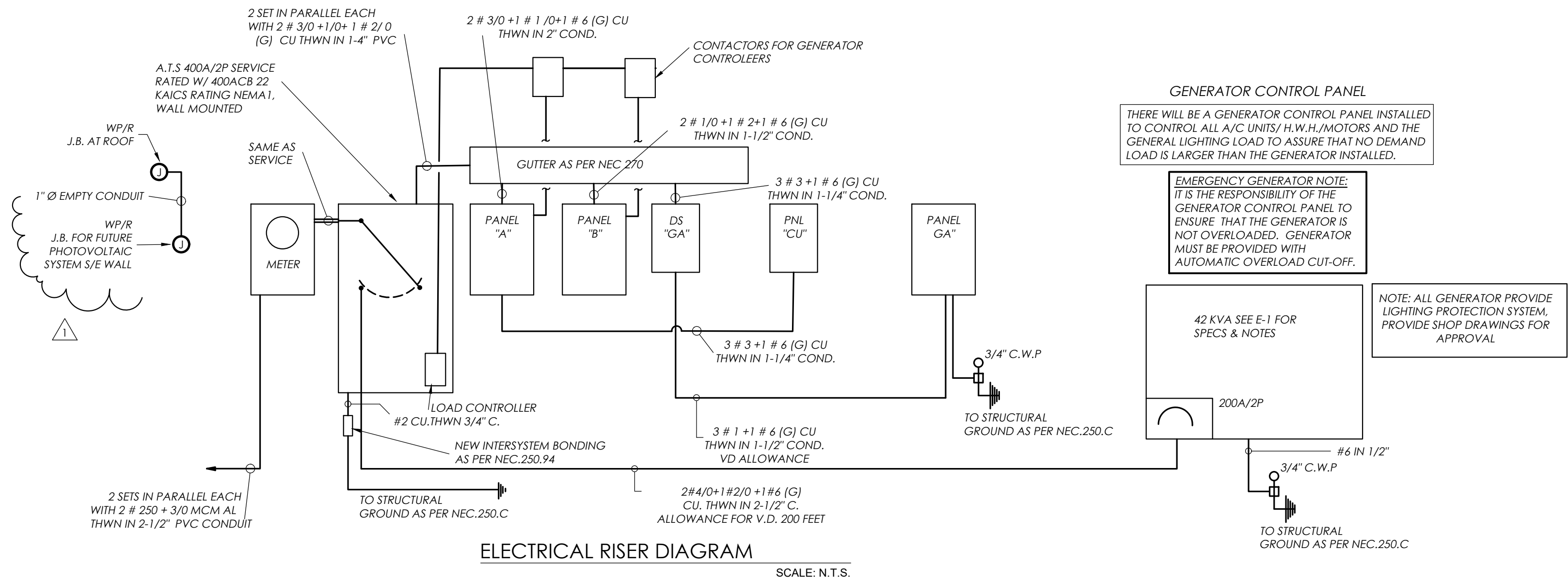
AICS:

10K

LOAD CALCULATION: SEE LOAD CALCULATION

FEEDER: SEE RISER

FED FROM: SEE RISER



ELECTRICAL RISER DIAGRAM

SCALE: N.T.S.

**PASCUAL
PEREZ
KILIDDJIAN
STARR**
ARCHITECTS + PLANNERS

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REVISIONS:

1	B.D.C. 08-24
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OWNER:
HERITAGE HOME BUILDERS,
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. :

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Project No : 23 0012