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NOTES FOR BRANCH CIRCUIT PANELS

- ① EXISTING BRANCH CIRCUIT IN EXISTING PANEL TO BE RELOCATED TO NEW PANEL IN SAME CIRCUIT LOCATION, PROVIDE NEW BREAKER.

LEGEND

----- EXISTING
----- NEW

SCHEDULE OF BRANCH CIRCUIT PANEL "A"

MAIN: 200 AMP MAIN LUGS ONLY
SPEC: SQUARE-D OO LOAD CENTER
MOUNTING: FLUSH
VOLTAGE: 120/240V, 1Ø, 3 WIRE

DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT.	A PHASE KVA	B PHASE KVA	CT.	TRIP	COND.	GND.	WIRE	DESCRIPTION
OVEN	① 2#8	1#10	3/4"	50	1	5.0	2.7	2	30	3/4"	1#10	2#10	AHU-1
RANGE TOP	① 2#8	1#10	3/4"	50	2	5.0	2.5	4	30	3/4"	1#10	2#10	DRYER
SPRINKER PUMP	① 2#8	1#10	3/4"	60	9	5.0	2.5	10	60	3/4"	1#10	2#8	POOL MAIN
CU-1	① 2#12	1#12	3/4"	20	13	(1.3)	**	14	20	3/4"	1#12	2#12	POOL LIGHT
RECEPT - KIT	① 2#12	1#12	3/4"	15	17	1.5	1.2	18	20	3/4"	1#12	2#12	DW
REFG	① 2#12	1#12	3/4"	15	19	1.2	1.2	20	20	3/4"	1#12	2#12	GD
LTG/RECEPT - LVG RM	① 2#12	1#12	3/4"	15	21	**	**	22	20	3/4"	1#12	2#12	LTG/RECEPT - FAMILY RM
GARAGE LIGHT	① 2#12	1#12	3/4"	15	23	**	1.5	24	20	3/4"	1#12	2#12	RECEPT - KIT
RECEPT - LAUNDRY RM	① 2#12	1#12	3/4"	15	25	-	**	26	15	3/4"	1#12	2#12	RECEPT/LTG - SW BDRM
RECEPT/LTG - SE BDRM	① 2#12	1#12	3/4"	15	27	**	2.3	28	30	3/4"	1#10	2#10	WATER HEATER
RECEPT/LTG - NE BDRM	① 2#12	1#12	3/4"	15	29	**	2.3	30	2				
RECEPT - KIT ISLAND	2#12	1#12	3/4"	20	31	**	0.8	32	20	3/4"	1#12	2#12	HOOD
RECEPT - PANTRY	2#12	1#12	3/4"	20	33	**	-	34	20	-	-	-	SPARE
REFG	2#12	1#12	3/4"	20	35	1.2	3.2	36	35	3/4"	1#10	2#10	AHU-2
ICE	2#12	1#12	3/4"	20	37	1.2	3.2	38	2				
RECEPT/LTG - NEW BDRM #3	2#12	1#12	3/4"	20	39	**	(1.6)	40	25	3/4"	1#10	2#10	CU-2
LTG - KIT	2#12	1#12	3/4"	20	41	**	(1.6)	42	2				

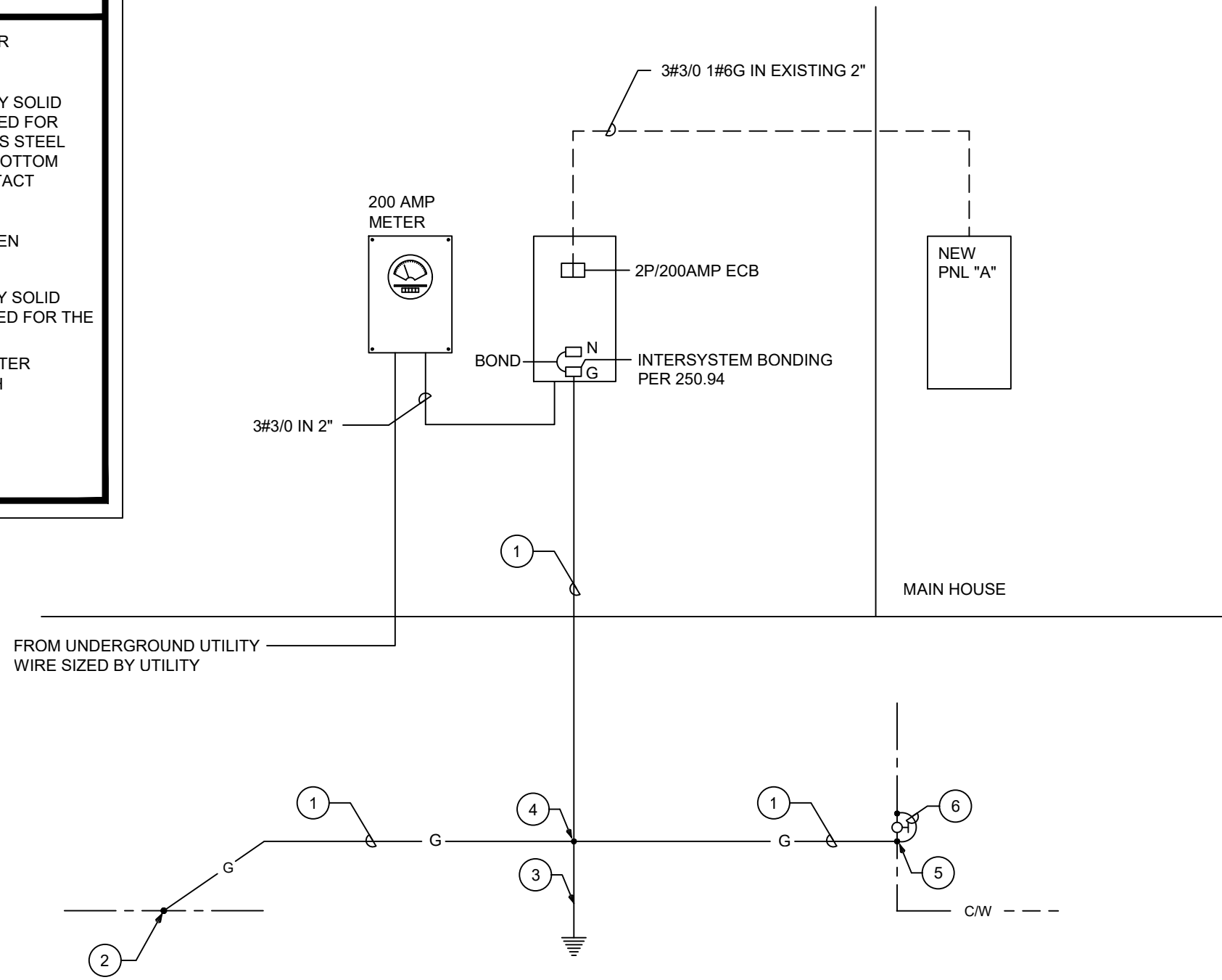
* NON-CONCURRENT LOAD
(# #) LARGEST A/C LOAD
** LIGHTING & RECEPT. @ 3 WATTS/SQ.
(2600 SQ. FT. x 3 VA = 7.8 KVA)

(A) AFCI - ARC FAULT CIRCUIT BREAKER
(AG) AFCI/GFCI - DUAL FUNCTION ARC
FAULT/GFCI CIRCUIT BREAKER

3.9	3.9	LTG & RECEPT @ 3 WATTS
32.1	35.3	KVA PER PHASE (NON-DIVERSIFIED)
75.4		TOTAL NON-DIVERSIFIED LOAD
27.4	30.6	NON DIVERSIFIED LOAD LESS HEATING/COOLING LOADS
5.0	5.0	1ST 10 KVA @ 100%
9.0	10.3	REMAINDER @ 40%
5.9	5.9	KVA PER PHASE LARGEST (HEATING/COOLING)
19.9	21.2	TOTAL KVA PER PHASE
167	175	AMPS PER PHASE
41.1		TOTAL DIVERSIFIED KVA

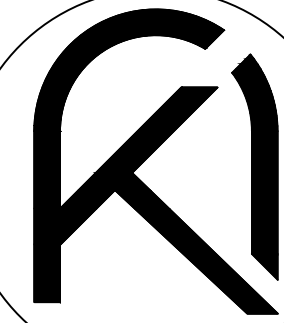
KEY NOTES

- ① 1#2/0 GROUNDING ELECTRODE CONDUCTOR IN 3/4" SCHEDULE 40 PVC CONDUIT.
- ② EXOTHERMIC CONNECTION OR HEAVY DUTY SOLID BRONZE BOLTED GROUND CLAMP U.L. LISTED FOR THE PURPOSE. ELECTRICALLY CONTINUOUS STEEL REINFORCING BAR (20FT MIN. LENGTH) IN BOTTOM OF BUILDING FOUNDATION IN DIRECT CONTACT WITH EARTH.
- ③ 10 FT. LONG x 3/4" DIAMETER COPPER DRIVEN GROUND ELECTRODE.
- ④ EXOTHERMIC CONNECTION OR HEAVY DUTY SOLID BRONZE BOLTED GROUND CLAMP U.L. LISTED FOR THE PURPOSE. (TYPICAL)
- ⑤ MAKE CONNECTION TO METALLIC COLD WATER ENTRANCE PIPE BEFORE FIRST VALVE WITH HEAVY DUTY BRONZE GROUND CLAMP.
- ⑥ PROVIDE 1#2/0 BONDING JUMPER AROUND FIRST VALVE.



ELECTRICAL RISER DIAGRAM

N.T.S.



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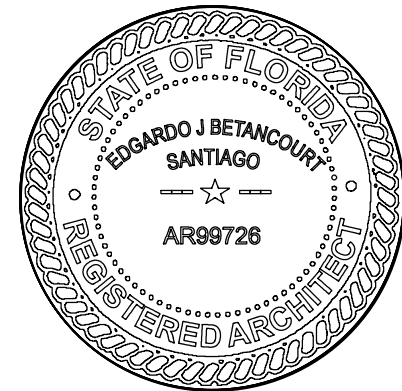
ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156



Digitally signed by
Edgardo J. Betancourt
Santiago
Date: 2023.08.24
16:08:52 -0400



DRAWN BY
DATE 04.03.23 PROJECT
CHECKED BY 22-84

REVISIONS

RISER AND
PANEL
SCHEDULES

CONSTRUCTION DOCUMENTS

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