

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	VOLTAGE:	120/240V, 1Ø, 3 WIRE
SPEC:	SQUARE-D QO LOAD CENTER		
MOUNTING:	FLUSH		

	DESCRIPTION	WIRE	GND.	COND.	TRIP	CKT	A PHASE KVA	B PHASE KVA	CKT	TRIP	COND.	GND.	WIRE	DESCRIPTION
OVEN	(1)	2#8	#10	3/4"	50	1	5.0	4.5	2	50	3/4"	#10	2#10	EXISTING AC
RANGE TOP	(1)	2#8	#10	3/4"	50	3	5.0	4.5	4	30	3/4"	#10	2#10	DRYER
SPRINKLER PUMP	(1)	2#8	#12	3/4"	60	7	5.0	2.5	8	25	3/4"	#10	2#8	POOL PUMP (GFCI)
CHARGE CHARGER	(1)	2#8	#10	3/4"	50	11	5.0	2.5	12	30	3/4"	#10	2#8	POOL LIGHT (GFCI)
RECEPT - KIT	(1)	2#12	#12	3/4"	15	13	3.5	**	14	20	3/4"	#12	2#12	WASHER
RECEPT - KITCHEN	(1)	2#12	#12	3/4"	15	15	1.5	1.2	16	20	3/4"	#12	2#12	DW
REF	(1)	2#12	#12	3/4"	15	16	1.2	1.2	17	20	3/4"	#12	2#12	DIS
LT/RECEPT - LVG RM	(1)	2#12	#12	3/4"	15	21	**	**	22	20	3/4"	#12	2#12	LT/RECEPT - FAMILY R
GARAGE LIGHT	(1)	2#12	#12	3/4"	15	23	**	1.5	24	20	3/4"	#12	2#12	RECEPT - KIT
RECEPT - LAUNDRY RM	(1)	2#12	#12	3/4"	15	25	**	**	26	15	3/4"	#12	2#12	RECEPT - LVG BDRM
RECEPT - LTG - SE BDRM	(1)	2#12	#12	3/4"	15	27	**	**	28	30	3/4"	#10	2#10	WATER HEATER
RECEPT - LTG - NE BDRM	(1)	2#12	#12	3/4"	15	29	**	2.3	30	20	3/4"	#10	2#10	HOOD (A)
RECEPT - KIT ISLAND (A)	(1)	2#12	#12	3/4"	20	31	**	0.8	32	20	3/4"	#12	2#12	LTG/RECEPT - LIBRARY
RECEPT - PANTRY (A)	(1)	2#12	#12	3/4"	20	33	**	**	34	20	3/4"	#10	2#10	AHU-2
RECEPT - PANTRY (A)	(1)	2#12	#12	3/4"	20	35	**	1.2	36	30	3/4"	#10	2#10	
ICE (A)	(1)	2#12	#12	3/4"	20	37	1.2	3.2	38	20	3/4"	#10	2#10	
RECEPT - LTG - NEW BDRM #3 (A)	(1)	2#12	#12	3/4"	20	39	**	(1.6)	40	25	3/4"	#10	2#10	CU-2
LTG - KIT (A)	(1)	2#12	#12	3/4"	20	41	**	(1.6)	42	20	3/4"	#10	2#10	

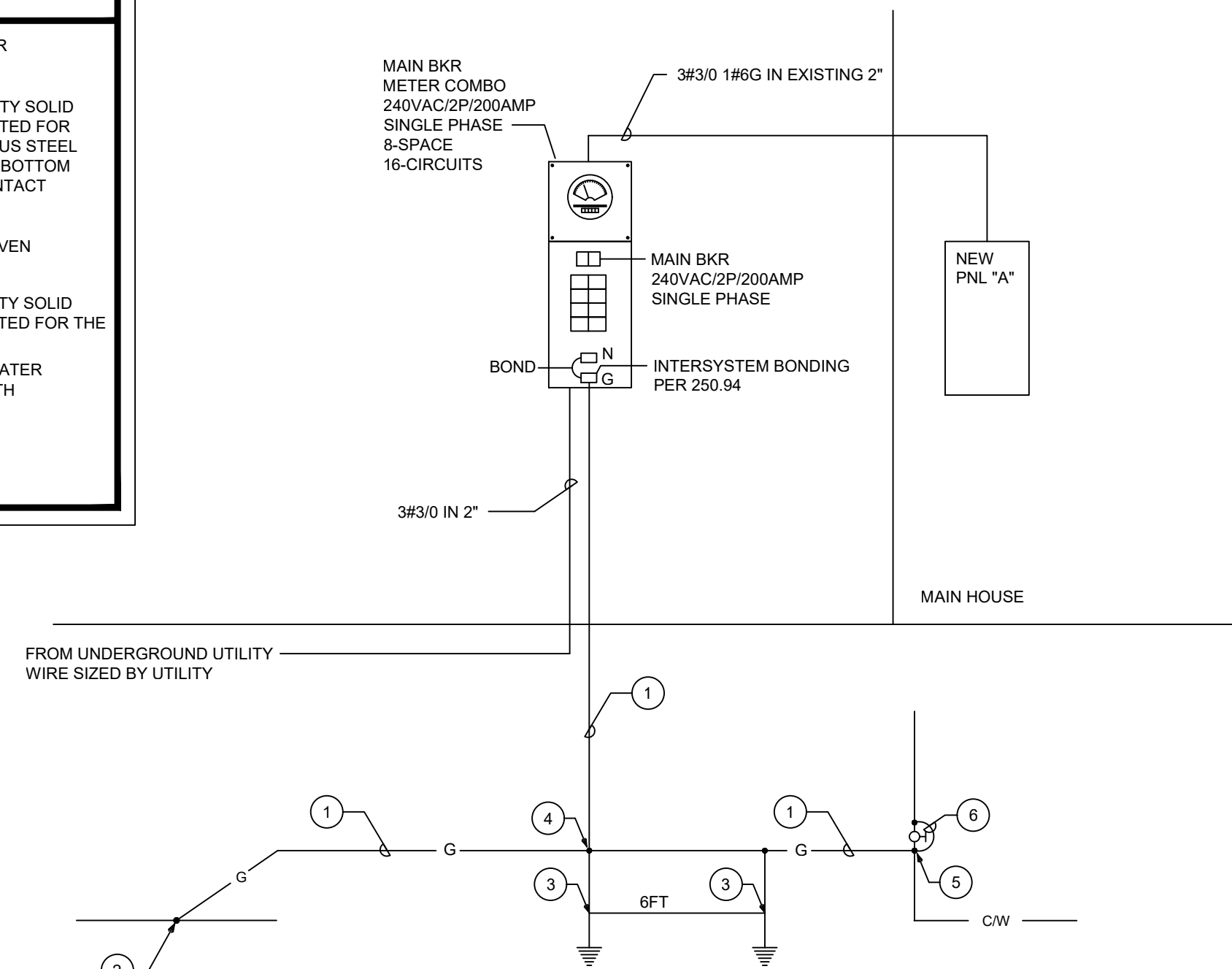
* NON-CONCURRENT LOAD
 (##) LARGEST A/C LOAD
 ** LIGHTING & RECEPT. @ 3 WATTS/SQ.
 (2600 SQ. FT. x 3 VA = 7.8 KVA)

(A) AFCI - ARC FAULT CIRCUIT BREAKER
(A/G) 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

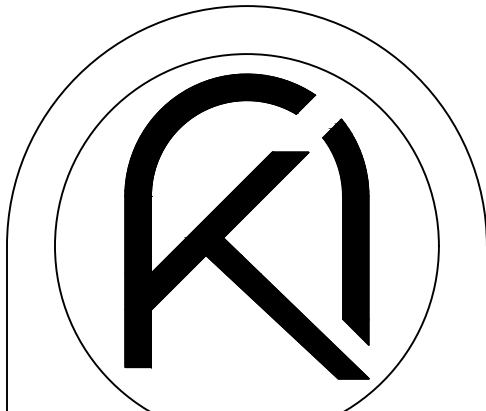
KEY NOTES

- ① 1#4 GROUNDING ELECTRODE CONDUCTOR
IN 1/2" SCHEDULE 40 PVC CONDUIT.
- ② EXOTHERMIC CONNECTION OR HEAVY DUTY SOLID
EXON LIMITED TONGUE CLAMP U.L. LISTED FOR
THE PURPOSE. ELECTRICALLY CONTINUOUS STEEL
REINFORCING BAR (20" MIN. LENGTH) IN BOTTOM
OF BUILDING FOUNDATION IN DIRECT CONTACT
WITH EARTH.
- ③ 10 FT. LONG X 3/4" DIAMETER COPPER LISTED
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#4 BONDING JUMPER AROUND
FIRST VALVE.



ELECTRICAL RISER DIAGRAM

N.T.S.



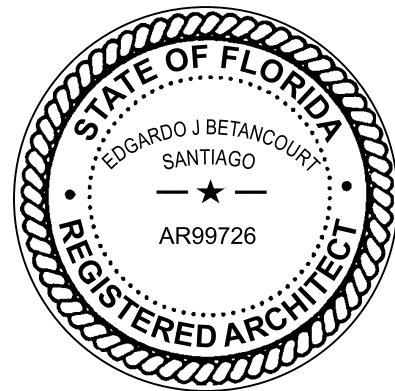
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ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156

Digitally signed
by Edgardo J
Betancourt
Santiago
Date:
2026.04.22
09:50:37-04'00'



DRAWN BY		
DATE	--	PROJECT
04.03.23	CHECKED BY	22-84
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REVISIONS

1 B.D. COMMENTS 11.04.23

RISER AND PANEL SCHEDULES

CONSTRUCTION DOCUMENTS

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