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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"

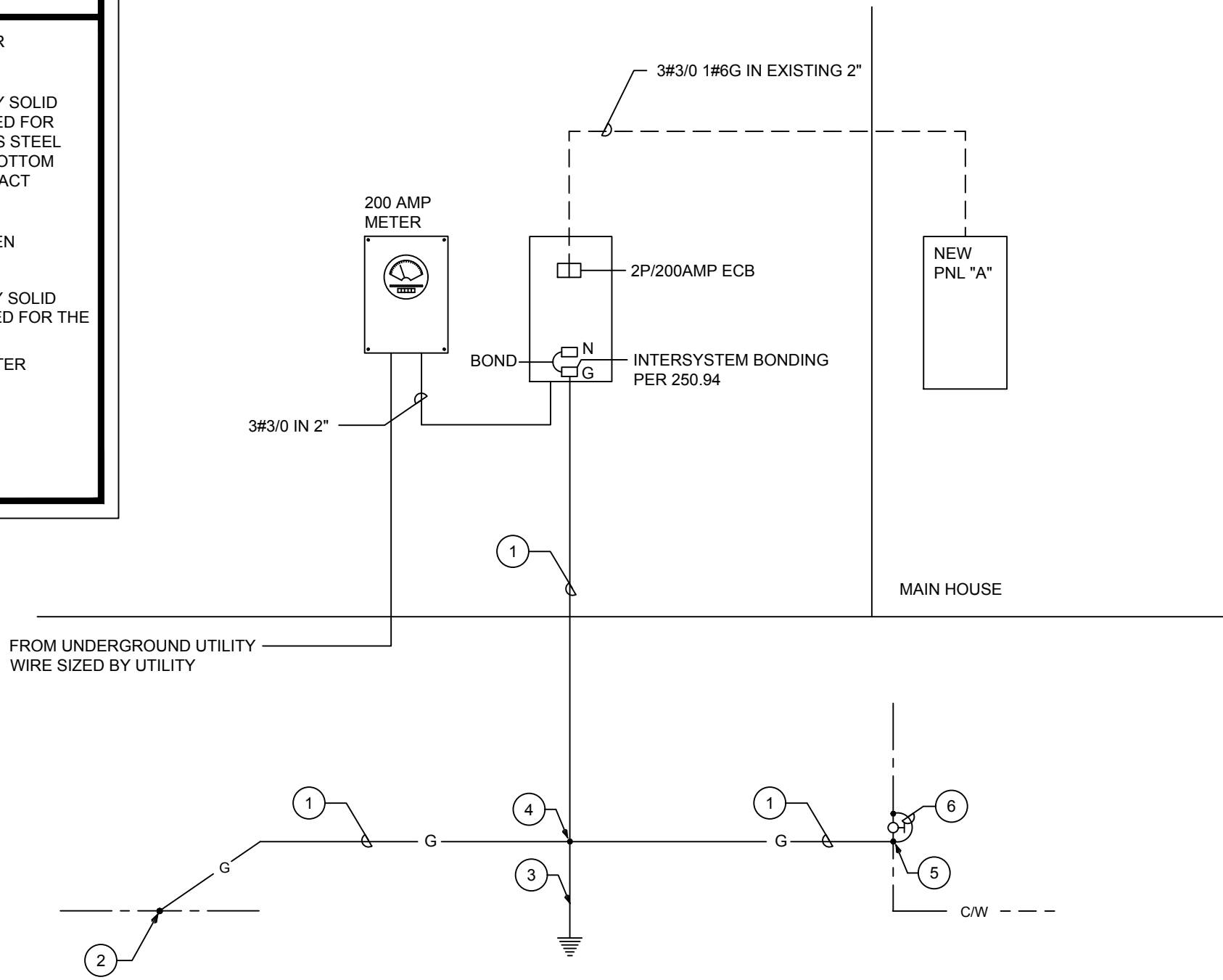
MAIN: 200 AMP MAIN LUGS ONLY VOLTAGE: 120/240V, 1Ø, 3 WIRE
SPEC: SQUARE-D QO LOAD CENTER
MOUNTING: FLUSH

DESCRIPTION		WIRE	GND.	COND.	TRIP	CKT.	A PHASE KVA	B PHASE KVA	CKT.	TRIP	COND.	GND.	WIRE	DESCRIPTION		
OVEN	①	2#8	1#10	3/4"	50	1	5.0	4.5	2	50	3/4"	1#10	2#10	EXISTING AC		
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		
CAR CHARGER 2	①	2#8	1#10	3/4"	40	11	—	—	12	2	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	WASHER		
REFG	①	2#12	1#12	3/4"	15	19	—	—	20	20	3/4"	1#12	2#12	DW		
LTG&RECEPT - LVG RM	①	2#12	1#12	3/4"	15	21	—	—	22	20	3/4"	1#12	2#12	GD		
GARAGE LIGHT	①	2#12	1#12	3/4"	15	23	—	—	** 1.5	24	20	3/4"	1#12	2#12	LTG&RECEPT - FAMILY RM	
RECEPT - LAUNDRY RM	①	2#12	1#12	3/4"	15	25	—	—	** 2.3	26	15	3/4"	1#12	2#12	RECEPT - KIT	
RECEPT/LTG - SW BDRM	①	2#12	1#12	3/4"	15	27	—	—	** 2.3	28	30	3/4"	1#10	2#10	RECEPT/LTG - SW BDRM	
RECEPT/LTG - NEW BDRM	①	2#12	1#12	3/4"	15	29	—	** 2.3	30	2	3/4"	1#12	2#12	WATER HEATER		
RECEPT - KIT ISLAND (A)	①	2#12	1#12	3/4"	20	31	—	—	** 0.8	32	20	3/4"	1#12	2#12	HOOD (A)	
RECEPT - PANTRY (A)	①	2#12	1#12	3/4"	20	33	—	—	34	20	—	—	—	—	SPANE	
REFG (A)	①	2#12	1#12	3/4"	20	35	—	—	1.2	3.2	36	35	3/4"	1#10	2#10	ANU-2
LTG (A)	①	2#12	1#12	3/4"	20	37	1.2	3.2	38	2	3/4"	1#10	2#10	CU-2		
RECEPT/LTG - NEW BDRM (A)	①	2#12	1#12	3/4"	20	39	—	** (1.6)	40	25	2	3/4"	1#10	2#10	CU-2	
LTG - KIT (A)	①	2#12	1#12	3/4"	20	41	—	—	42	2	3/4"	1#10	2#10	CU-2		

* NON-CONCURRENT LOAD	3.9	LTG & RECEPT @ 3 WATTS
(# #) LARGEST A/C LOAD	32.1	KVA PER PHASE (NON-DIVERSIFIED)
** LIGHTING & RECEPT. @ 3 WATTS/SQ.	75.4	TOTAL NON-DIVERSIFIED LOAD
(2600 SQ. FT. x 3 VA = 7.8 KVA)	27.4	NON DIVERSIFIED LOAD LESS HEATING/COOLING LOADS
	5.0	1ST 10 KVA @ 100%
	9.0	REMAINDER @ 40%
	5.9	KVA PER PHASE (LARGEST (HEATING/COOLING))
(A) AFCI - ARC FAULT CIRCUIT BREAKER	19.9	TOTAL KVA PER PHASE
(A/G) AFCI/GFCI - DUAL FUNCTION ARC FAULT/GFCI CIRCUIT BREAKER	167	AMPS PER PHASE
	41.1	TOTAL DIVERSIFIED KVA

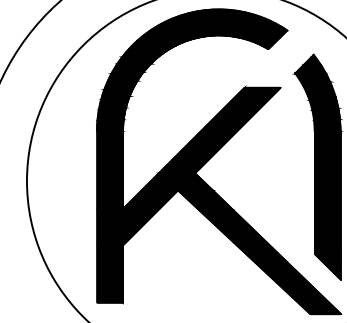
KEY NOTES

- 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.

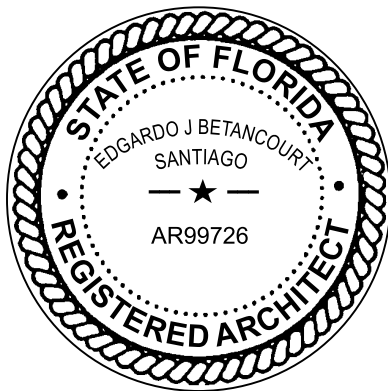


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ADDITION & RESTORATION FOR:

MAZZINI & MELINE
RESIDENCE

10300 SW 70TH AVE,
MIAMI, FL 33156



DRAWN BY
DATE 04.03.23 PROJECT
CHECKED BY 22-84

REVISIONS

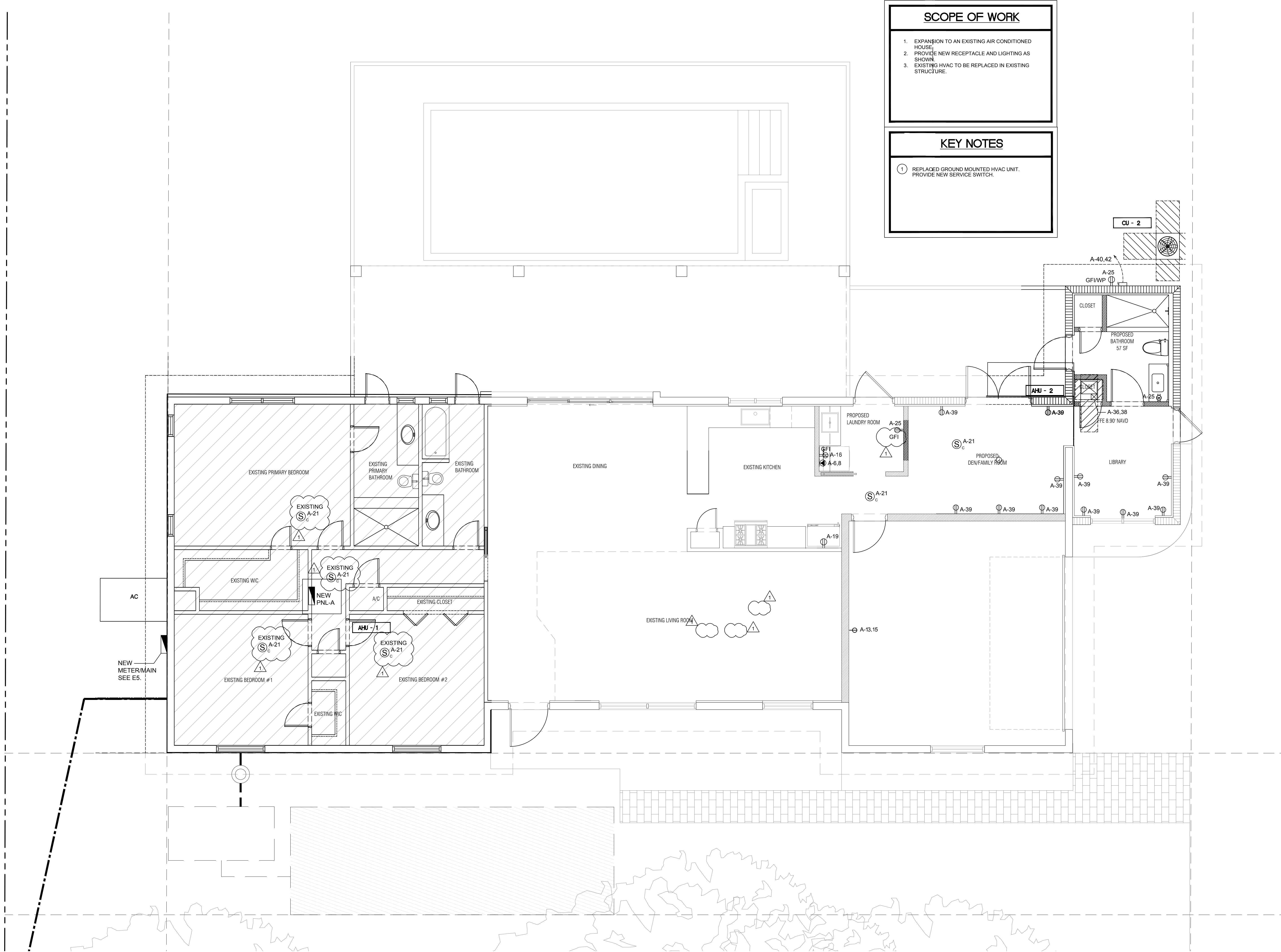
1 B.D. COMMENTS 11.04.23

RISER AND
PANEL
SCHEDULES

CONSTRUCTION DOCUMENTS

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SCOPE OF WORK

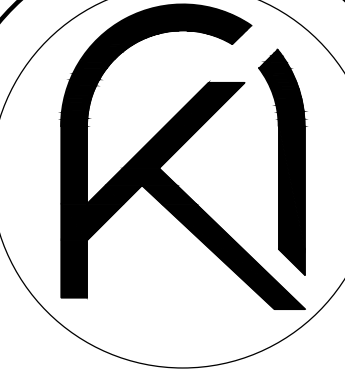
- EXPANSION TO AN EXISTING AIR CONDITIONED HOUSE.
- PROVIDE NEW RECEPTACLE AND LIGHTING AS SHOWN.
- EXISTING HVAC TO BE REPLACED IN EXISTING STRUCTURE.

KEY NOTES

- REPLACED GROUND MOUNTED HVAC UNIT. PROVIDE NEW SERVICE SWITCH.

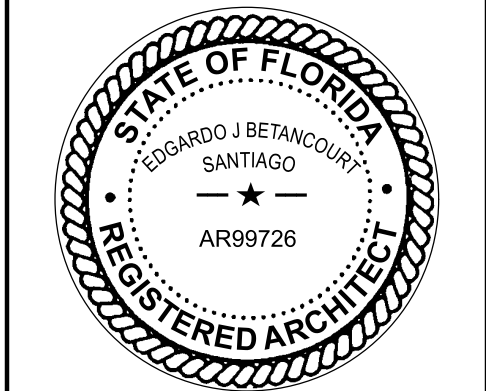
POWER PLAN

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



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MIAMI, FL 33156



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03.29.23	EV		
REVISIONS			

POWER PLAN

CONSTRUCTION DOCUMENTS

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