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WEXLER RESIDENCE  
 300 SOUTHPOINTE DR.  
 4304  
 MIAMI BEACH, FL.  
 33139

NOTES

No.	Date	Description
1	3/13/24	B.D.C.

TITLE

DATE: 12/12/2023
PROJECT No:
DRAWN BY:
CHECKED BY:
DWG No:

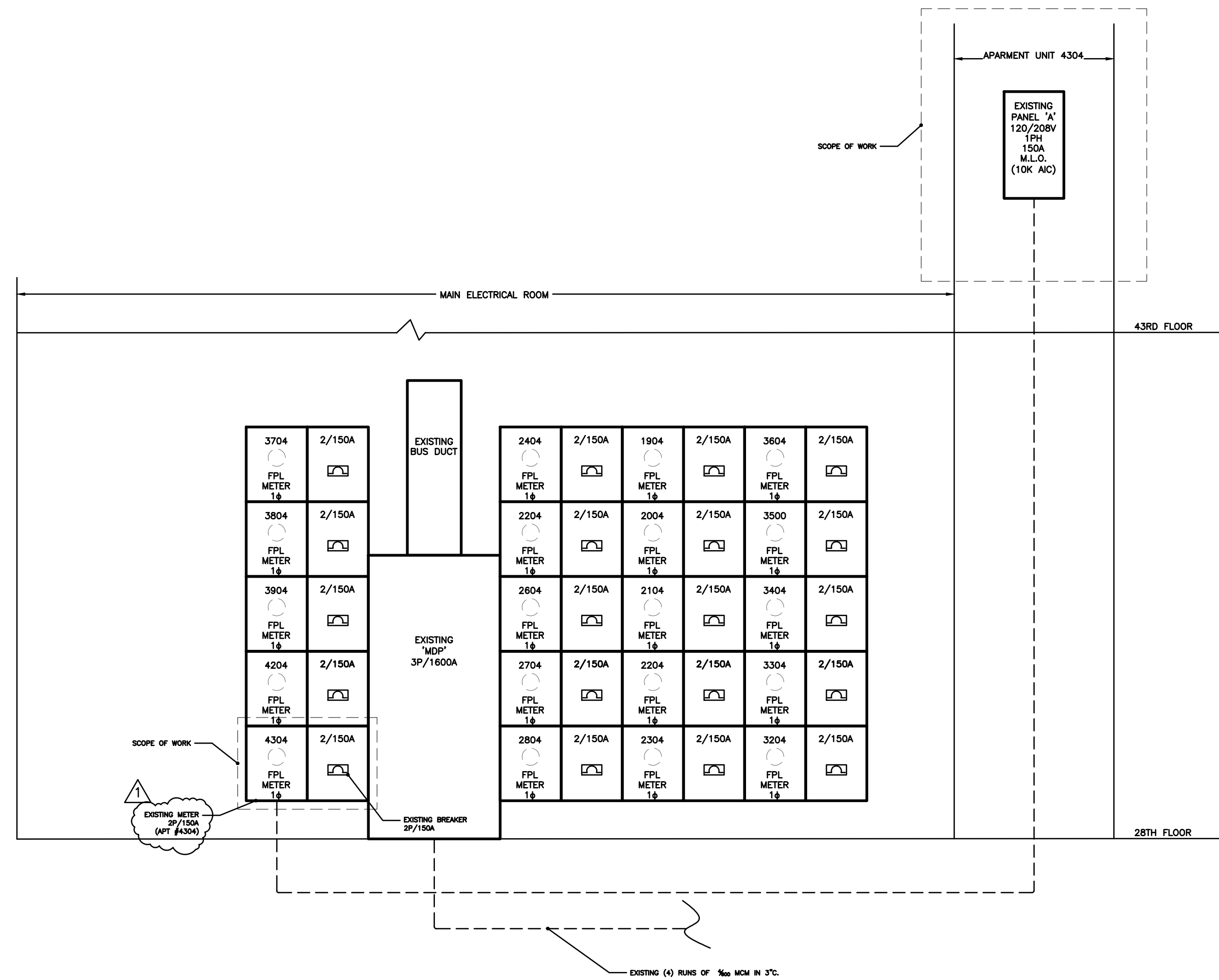
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 Fire Protection, Construction Administration  
 2089 W. 76TH STREET Hialeah, FL 33016  
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 GEORGE FREJO, P.E.  
 REGISTERED ENGINEER NO. 35578  
 STATE OF FLORIDA C.A.# 22796

**1 ELECTRICAL POWER**  
 E-2 1/4" = 1'-00"



PORTO FINO										EXISTING									
TYPE: SIEMENS										MAIN BUS: 150 AMP									
SERVICE: 120/208 V 1Ø 3W										NEUTRAL: FULL									
MOUNTING: SURFACE										MAINS: 150A M.L.D.									
POLES: 30										A.I.C. 10K SERIES RATED									
PANEL "A" (CLOSET)																			
DEM. NO.	DEM. K.V.A.	TRIP POLE	CDN- DUIT	WIRE	REMARKS	CKT. NO.	CKT. NO.	REMARKS	WIRE	CON- DUIT	TRIP POLE	NO DEM. K.V.A.	DEM. K.V.A.						
⑦	8.0	2	40	1"	8	RANGE	1	2	SMALL APPLIANCE	12	1/2"	1-20	1.50	③					
							3	4	DINING LTS/REC.	12	1/2"	1-20	-	④⑤					
⑦	4.99	2	50	1"	8	WALL OVEN	5	6	MASTER BED LTS/REC.	12	1/2"	1-20	-	④⑤					
							7	8	MASTER BATH LTS	12	1/2"	1-20	-	④⑤					
	5.18	2	50	1"	8	EXIST. COMPRESSOR	9	10	MASTER BATH REC.	12	1/2"	1-20	-	④⑤					
							11	12	GUEST/BATH 1 REC.	12	1/2"	1-20	-	④⑤					
	4.99	2	50	1"	8	EXIST. WATER HEATER	13	14	HOOD	12	1/2"	1-20	0.300	④⑤					
							15	16	LIGHTING	12	1/2"	1-20	-	④⑤					
	5.00	2	50	1"	8	DRYER	17	18	REFRIGERATOR	12	1/2"	1-20	1.00	④⑤					
							19	20	CORRIDOR LTS/REC.	12	1/2"	1-20	-	④⑤					
③⑦	1.50	1-20	1/2"	12		WASHER	21	22	LIVING LTS/REC.	12	1/2"	1-20	-	④⑤					
	1.20	1-20	1/2"	12		REFRIG DRAWRS	23	24	LIVING LTS/REC.	12	1/2"	1-20	-	④⑤					
①⑦	0.86	1-20	1/2"	12		DISHWASHER	25	26	KITCHEN LTS	12	1/2"	1-20	-	④⑤					
⑦	1.10	1-20	1/2"	12		MICROWAVE	27	28	GUEST/BATH 1 LTS	12	1/2"	1-20	-	④⑤					
③	1.50	1-20	1/2"	12		SMALL APPLIANCE	29	30											
							31	32											
							33	34											
							35	36											
							37	38											
							39	40											
							41	42											
TOTAL CONNECTED LOAD 37.12 KVA = 178.46 AMPS										2.80									
TOTAL DEMAND LOAD 25.95 KVA = 124.75 AMPS																			

FEED: SEE ELECTRICAL RISER DIAGRAM



PANEL SCHEDULE NOTES

- REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION AND CHARACTERISTICS OF HVAC EQUIPMENT. PROVIDE HVAC RATED CIRCUIT BREAKER. HEATING & COOLING ARE NON-CONCURRENT LOADS. HIGHEST VALUE USED FOR KVA CALCULATIONS.
- ELECTRICAL CONTRACTOR SHALL VERIFY ALL KITCHEN EQUIP. REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
- ALL SMALL APPLIANCE RECEPTACLES IN KITCHEN SHALL BE GFCI PROTECTED IN ACCORDANCE WITH NEC 210-8.
- THIS IS PART OF GENERAL LIGHTING LOAD AS SET FORTH IN NEC 220-3(b). 3 WATT PER SQ. FT.
- ALL BEDROOMS, FAMILY ROOMS, DINNING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, SUNROOMS, RECREATION ROOMS, CLOSETS AND HALLWAYS CIRCUITS SHALL BE PROTECTED BY USE OF A LISTED COMBINATION TYPE ARC FAULT INTERRUPTER CIRCUIT BREAKERS (A.F.C.I.) AS REQUIRED BY N.E.C. 210.12 (A) (B)
- NOT USED
- GFCI PROTECTED CIRCUIT BREAKER
- THIS BREAKER MUST BE ABLE LOCKED IN THE OFF POSITION

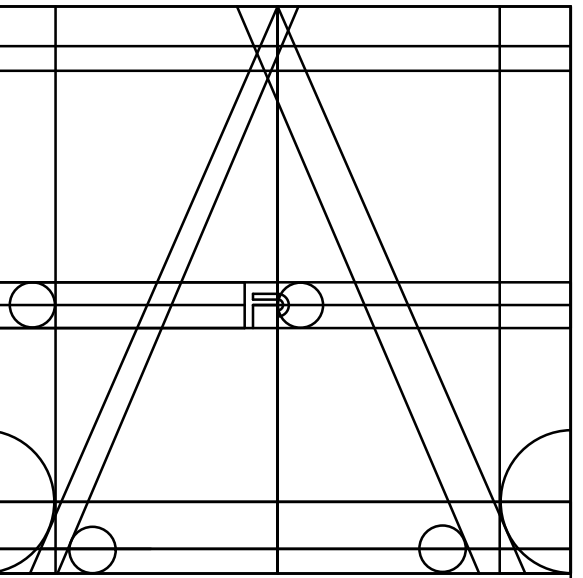
1 ELECTRICAL PANEL AND RISER  
E-4 N.T.S

Engineering Corporation  
DESIGN CALCULATIONS

JOB NAME: PORTOFINO APT 4304 1 1 OR 3 PHASE?  
VOLTAGE: 120 / 208, 1 PHASE, 3W PANEL: "A"

LIGHTING LOAD 3 W/SQFT (NEC 220.12) -----	2,322	SQFT -----	6.97	KVA
SMALL APPLIANCE @ 1.5 KVA EA (NEC 220.52) -----			3.00	KVA
COOK TOP -----			8.00	KVA
REFRIGERATOR -----			1.00	KVA
DISHWASHER -----			0.86	KVA
WASHER -----			1.50	KVA
DRYER -----			5.00	KVA
WATER HEATER -----			4.99	KVA
OVEN -----			4.99	KVA
MICROWAVE -----			1.10	KVA
DISPOSAL -----			0.00	KVA
U.C. WINE -----			0.00	KVA
REFRIG DRWRS -----			1.20	KVA
SPRINKER PUMP -----			0.00	KVA
GARAGE DOOR -----			0.00	KVA
WATER PUMP -----			0.00	KVA
STEAM MACHINE MASTER -----			0.00	KVA
UNDER COUNTER REFRIG -----			0.00	KVA
ICE MACHINE -----			0.00	KVA
HOT PLATE -----			0.00	KVA
STEAM MACHINE PAVILION -----			0.00	KVA
BLOWER PUMP -----			0.00	KVA
POOL PUMP -----			0.00	KVA
HEAT PUMP -----			0.00	KVA
SPECIAL OUTLET -----			0.00	KVA
SAUNA -----			0.00	KVA
PAVILION EF -----			0.00	KVA
SPARE -----			0.00	KVA
PER N.E.C. 220.82		SUB-TOTAL	38.61	KVA
FIRST 8 KVA @ 100% -----			8.00	KVA
REMAINDER KVA 30.61 KVA AT 40% -----			12.24	KVA
AC LOAD- COOLING @ 100% = 5.18 KVA -----			5.18	KVA
- OR HTG @ 65% = 0.00 KVA x.65= 0.00 -----			0.00	KVA
WHICHEVER GREATER			25.42	KVA
PER N.E.C.		TOTAL	25.42	KVA
TOTAL DEMAND LOAD 25.42 KVA = 122.22 AMPS				

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