

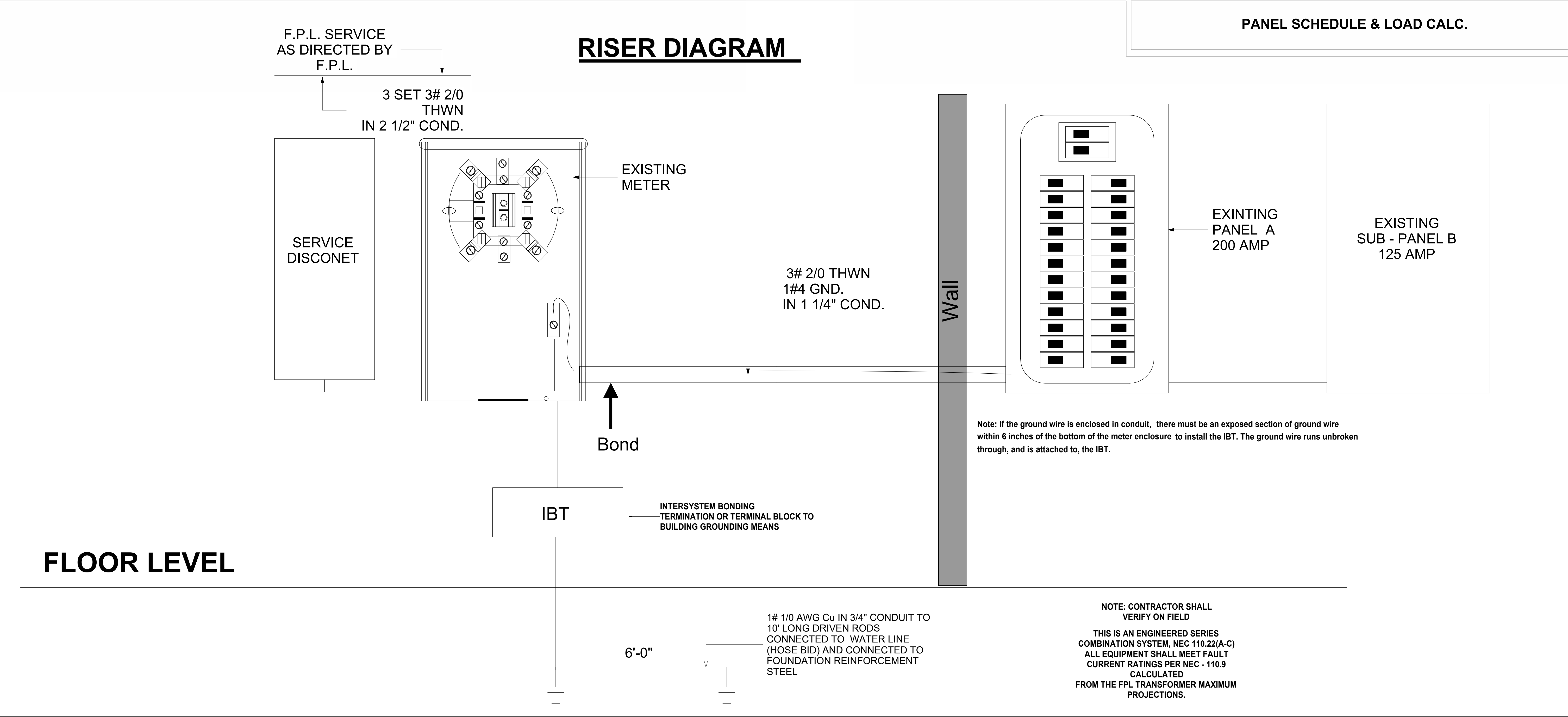
ELECTRICAL FIXTURE LEGEND			
	ELECTRIC METER.		DISHWASHER OUTLET.
	DISCONNECTING SWITCH.		PROPOSED SMOKE DETECTOR.
	ELECTRICAL PANEL.		PROPOSED JUNCTION BOX.
	CEILING MOUNT LIGHT FIXTURE.	\$	LIGHT SWITCH.
	WALL MOUNT LIGHT FIXTURE.	\$ ₂	2-WAY SWITCH.
	DUPLEX OUTLET.	\$ ₃	PROPOSED SWITCH DIMMER.
	SMALL APPLIANCE OUTLET.	WP	WATER PROTECTED.
	WEATHERPROTECTED DUPLEX OUTLET.	GFI	GROUND FAULT INDICATOR.
	GFI 110V DUPLEX OUTLET.	E	EXISTING.
	220 V. OUTLET	N	NEW.
	GARBAGE DISPOSAL OUTLET.	ER	EXISTING TO BE RELOCATED
	EMERGENCY LIGHT		DEDICATED OUTLET
	SUSPENDED LED LIGHT FIXTURE		IG OUTLET
	TELEPHONE	\$ _{OS}	OCCUPANCY SENSOR SWITCH. 120V. 1 PHASE. 1 POLE @ 48" MAX. AFF UNLESS OTHERWISE NOTED.
	MOTION SENSOR FOR LIGHTS 360°		PUSH BUTTON FOR MOTORS. MODEL 3SU1802-0AB10-4HB1 SIEMENS
	EXIT LIGHT		

TYPE:	LOAD CENTER	VOLTAGE:	120-240 V / 1PH / 3W
LOCATION:	SEE PLANS	MAIN BUS:	200
ENCLOSURE:	NEMA 3	MAIN:	MCB
FEED FROM:	METER	A.I.C RATING:	10000

AMPS	POLES	TOTAL VA	COND. SIZE	WIRE SIZE	REMARKS	CKT No	A	B	CKT No	REMARKS	WIRE SIZE	COND. SIZE	TOTAL VA	POLES	AMPS
50	2	12000	3/4"	8	(ER) - Range	1	●	●	2	(E) - AHU	6	3/4"	12000	2	60
50				8		3	●	●	4		6				60
20	1	1200	1/2"	12	(E) - Kitchen hood	5	●	●	6	(E) - Dryer	8	3/4"	5000	2	50
20	1	800	3/4"	12	(E) - Garbage Disposal	7	●	●	8		8				50
15	1	*	1/2"	12	(E) Receptacles & Lighting – General area	9	●	●	10	(E) - Water Heater	12	3/4"	4800	2	20
15	1	*	1/2"	12	(E) Receptacles & Lighting – General area	11	●	●	12		12				20
15	1	*	1/2"	12	(E) - Receptacles & Lighting Master Bedroom	13	●	●	14	(E) - Garbage Disposal	12	3/4"	800	1	20
15	1	*	1/2"	12	(E) - Hallways and closet lighting	15	●	●	16	(E) - Bathroom Receptacles	12	1/2"	*	1	20
15	1	*	1/2"	12	(E) - Bathroom Receptacles	17	●	●	18	(E) - Refrigerator	12	3/4"	1500	1	15
30	2	6000	3/4"	10	(E) - PUMP	19	●	●	20	(E) - Dishwasher	12	3/4"	1200	1	20
30				10		21	●	●	22	(E) - Garage door opener	12	1/2"	1500	1	20
30	2	6000	3/4"	10	(E) - POOL PUMP	23	●	●	24	(E) - A.C/ C.U	8	3/4"	9600	2	40
30				10		25	●	●	26		8				40
					(E) - Kitchen Lighting & Smoke Detector	27	●	●	28	(E) - Kitchen Small Appliance #1	12	1/2"	1500	1	20
15		*	1/2"	14	(E) - Lighting	29	●	●	30		8	3/4"	9600	2	40
15		*	1/2"	14	(E) - Living Room	31	●	●	32	(ER) - Oven	8				40
20		1500	3/4"	12	(E) - Garage Refrigerator	33	●	●	34	(E) - Kitchen Small Appliance #2	12	1/2"	1500	1	20
20		1500	3/4"	12	(E) - BBQ	35	●	●	36	(E) - SUB PANEL B	1	3/4"	*	2	125
						37	●	●	38		1	3/4"	*	2	125
						39	●	●	40						
						41	●	●	42						

NOTES:
1. (*) PART OF THE 3W/SQ. FT LOAD
2. "E" EXISTING CIRCUIT TO REMAIN
3. "ER" EXISTING CIRCUIT TO RELOCATE
4. "N" NEW CIRCUIT

ONE - FAMILY OPTIONAL SERVICE CALCULATION					
General Loads				Gen. (cont.) & Heat/Cool	(VA)
General Loads	NEC	QUANTITY	(VA)	Misc. Subtotal from firs column	65.229
Sqft per unit x 3	220.84 (B)(1)	3.943	3	New first 10,000 VA @ 100% 220,82(B)	10.000
Small appliances circuit	220.84 (B)(2)	1.500	2	Remainder @ 40%	22.092
Laundry Circuit	220.84 (B)(2)	0	0	Misc. Total	32.092
Fixed Appliances (nameplate)	220.84 (C)(3)(a)			Heat and/ or Cooling	
1. Dishwasher	nameplate	1.200	1	See 220,82 © for detail	
9. Oven	220.82(B)(3)(b) nameplate	9.600	1	Heat @ 100%	12000
3.Disposal	nameplate	800	1	Cool @ 100%	9600
4.Refrigerator	nameplate	1.500	1	Largest of Heat or Cool Loads	12000
5. Washing Machine	nameplate		0		
6.Garbage Disposal	nameplate	800	1		
7. Exhaust Hood	nameplate	1.200	1		
8. Range	220.82(B)(3)(b) nameplate	12.000	1		
9. Dryer	220.84(B)(3)(C) nameplate	5.000	1		
10. PUMP	220.84(B)(3)(C) nameplate	6.000	1		
10. Pool PUMP	220.84(B)(3)(C) nameplate	6.000	1		
10. Water Heater	220.84(B)(3)(d) nameplate	4.800	1		
11. Extra Motors	220.82(B)(4) nameplate	1.500	1		
Misc. Subtotal					
				Total VA	44.092
FEEDER CONDUIT				240	Amp
					184
FEEDER SPECS	MAIN FEEDER T310.12	GROUND	3W/ 1PH		
Copper	2/0	4	3		
0,2223		0,0824		AREA	REQUIRED CONDUIT
				0,7493	1 1/2 RCM



ENGINEERING BUSINESS REGISTRY



ARCHITECTURAL SOLUTIONS LLC

7500 NW 25TH ST. DORAL, FL 33122

LICENSE NUMBER: 39137

(305) 878-3288
www.archisolut.com

PROJECT: REMODELING PROJECT

ADDRESS: 7225 SW 130TH STREET, PINECREST - MIAMI, FL 33156

ELECTRONIC SIGNED:

GUTBERTO SUAREZ P.E
Phone: (786) 286-3915

DATE: 12/05/2025

DRAWN: K.B

CHECKED: L.V

N° DATE

REVISIONS

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E-200