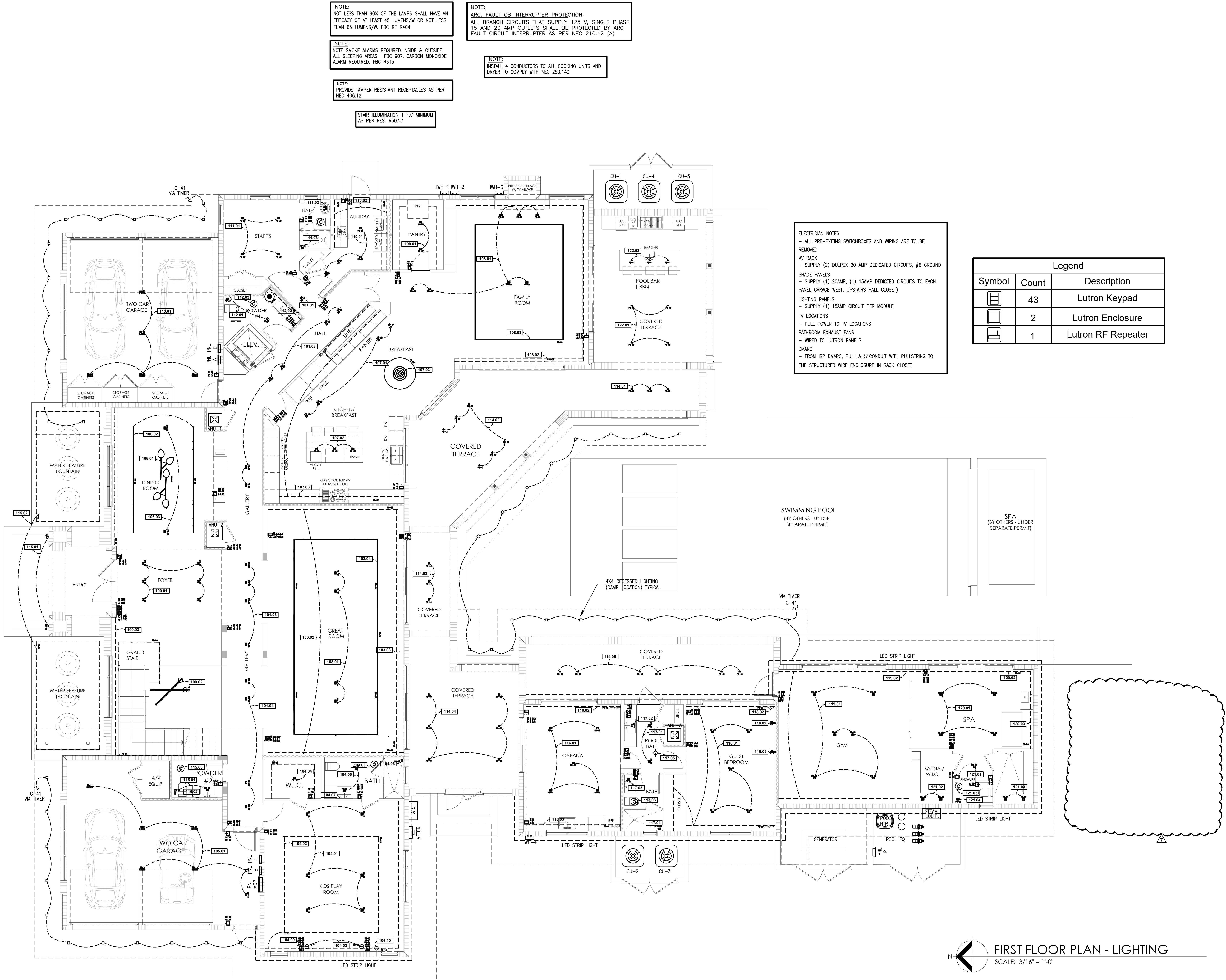




FIRST FLOOR PLAN - LIGHTING
SCALE: 3/16" = 1'-0"

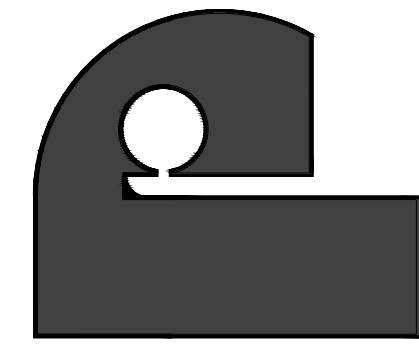


date	02/12/2025	revisions	
issued	02/12/2025	NA	
drawn		RM	
checked		2436	
project no.			
sheet no.			

E-2A

9601 RESIDENCE

NEW RESIDENCE FOR:
9601 S.W. 67th AVENUE - PINECREST, FLORIDA 33156



PACHECO ARCHITECTURE
PACHECO ARCHITECTURE, PLLC.
AA26002619
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LOAD CALCULATION	PANEL "A"	PANEL "B"	PANEL "C"	PANEL "D"	PANEL "P"	SERVICE
SQUARE FEET OF CONDITION SPACE	2,185	2,053	1,390	3,854	0	9,482
GENERAL LIGHTING AT 3 W.S.F	6,555	6,159	4,170	11,562	0	28,446
SMALL APPLIANCES CIRCUITS	2	2	5	1	0	10
SMALL APPLIANCES LOAD	3,000	3,000	7,500	1,500	0	15,000
RANGE / OVEN OR COOK TOP	0	0	0	10,000	0	10,000
DOUBLE OVEN	0	6,000	0	0	0	6,000
DRYER	10,000	0	0	0	0	10,000
HOT WATER HEATER	0	0	0	0	0	0
SPRINKLER PUMP	0	0	0	0	1,000	1,000
POOL EQUIPMENT	0	0	0	0	2,000	2,000
SPA EQUIPMENT	0	0	0	0	1,000	1,000
OTHER LIGHTING	0	0	1,000	0	2,000	2,000
WASHER	3,000	0	0	0	0	3,000
REFRIGERATOR	1,600	2,900	1,000	2,500	0	8,000
DISHWASHER	0	4,800	0	0	0	4,800
DISPOSAL	900	1,800	900	0	0	3,600
MICROWAVE	0	1,500	0	0	0	1,500
GARAGE DOOR OPENER & GATE MOTOR	1,800	0	2,700	0	0	4,500
WHIRLPOOL	0	1,200	0	0	0	1,200
OTHER LOAD 120V (EXHAUST FAN, FOUNTAIN)	900	1,700	1,800	300	0	4,700
LOAD 240V (E.V. CHARGER, ELEVATOR, KITCHENETTE, STEAM UNIT)	32,000	12,000	16,000	14,500	0	74,500
CONNECTED LOAD WITHOUT A/C LOAD	59,755	41,059	35,070	40,362	0	181,246
FIRST 10000 AT 100%	10,000	10,000	10,000	10,000	5,000	10,000
REST AT 40%	19,902	12,424	10,028	12,145	0	68,498
A/C LOAD AT 100%	12,912	12,912	10,000	25,524	0	61,448
TOTAL	42,814	35,336	35,028	47,969	5,000	140,116
AT 240 VOLT	178	147	125	200	21	584

PANEL "A"														TYPE:		LOAD CENTER	
VOLTS:		120/240V, 1PH, 3W												ENCLOSURE:		NEMA 1	
BUS:		200 A												MOUNTING:		FLUSH	
MAIN:		M.L.O.												SERVING:		HOUSE	
AIC:		10,000															
CKT	DESCRIPTION	COND	WIRE	LOAD	TRIP	POLE	A	B	POLE	TRIP	LOAD	WIRE	COND	DESCRIPTION	CKT		
1	STAFF BATHROOM	1/2	12	*	20	1			2	60	12912	4	1	AHU-1	2		
3	STAFF OUTLETS	1/2	14	*	15	1									4		
5	HALL OUTLETS	1/2	14	*	15	1			2	60	6720	8	1	CU-1	6		
7	L.C.P. GARAGE EAST MODULE 1	1/2	12	*	20	1									8		
9	POWDER #1	1/2	12	*	20	1			2	40	8000	8	3/4	E.V CHARGER	10		
11	GARAGE OUTLETS	1/2	12	*	20	1									12		
13	HALL OUTLETS	1/2	14	*	15	1			2	40	8000	8	3/4	E.V CHARGER	14		
15	FAMILY ROOM OUTLETS	1/2	14	*	15	1									16		
17	L.C.P. GARAGE EAST MODULE 2	1/2	12	*	20	1			1	20	8000	12	1/2	KITCHEN SPARK	18		
19	KITCHEN CONTROL	1/2	12	900	200	1			1	20	1500	12	1/2	WASHING MACHINE	20		
21	L.C.P. GARAGE EAST MODULE 3	1/2	12	*	20	1			2	30	5000	10	1/2	DRYER	22		
23	L.C.P. GARAGE EAST MODULE 4	1/2	12	*	20	1									24		
25	L.C.P. GARAGE EAST MODULE 5	1/2	12	*	20	1									26		
27	L.C.P. GARAGE EAST MODULE 6	1/2	12	*	20	1			2	30	5000	10	1/2	DRYER	28		
29	SMALL APPLIANCE	1/2	12	1500	20	1			1	20	1500	12	1/2	WASHING MACHINE	30		
31	ICE MAKER	1/2	12	800	20	1			1	20	1500	12	1/2	LAUNDRY OUTLET	32		
33	EXHAUST FAN BBQ	1/2	12	900	20	1			1	20	900	12	1/2	GARAGE DOOR OPENER	34		
35	SMALL APPLIANCE	1/2	12	1500	20	1			1	20	900	12	1/2	GARAGE DOOR OPENER	36		
37	L.C.P. GARAGE EAST MODULE 7	1/2	12	*	20	1			1	20	800	12	1/2	REFRIGERATOR	38		
39	L.C.P. GARAGE EAST MODULE 8	1/2	12	*	20	1			2	60	*	6	1	SUB PANEL "A1"	40		
41	L.C.P. GARAGE EAST MODULE 9	1/2	12	*	20	1									42		

*

SEE LOAD CALCULATION

USE OF ROMEX SHALL BE PERMITTED

GFI:

PROVIDE GFI CIRCUIT BREAKER

N.C.:

NON CONCURRENT LOAD

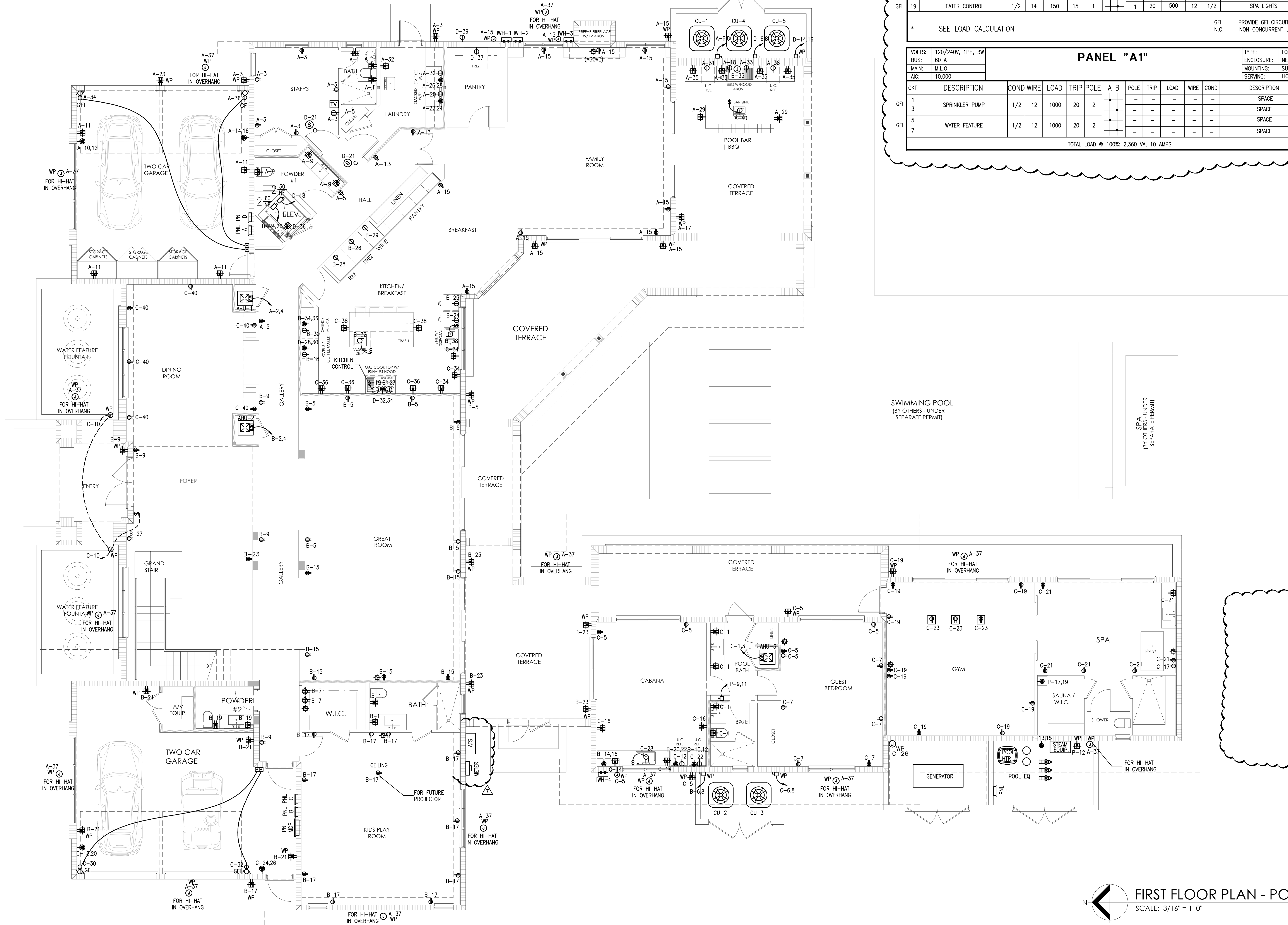
VOLTS: 120/240 V, 1 PH, 3 W BUS: 600 A MAIN: M.L.O. AIC: 22,000												PANEL "MDP"				TYPE: LOAD CENTER ENCLOSURE: NEMA 1 MOUNTING: SURFACE SERVING: HOUSE			
CKT	DESCRIPTION		COND	WIRE	LOAD	TRIP	POLE	A	B	POLE	TRIP	LOAD	WIRE	COND	DESCRIPTION	CKT			
1	PANEL "A"		SEE RISER	*	200	2				2	200	*	SEE RISER		PANEL "D"	2			
3																	4		
5	PANEL "B"		SEE RISER	*	200	2				2	150	*	SEE RISER		PANEL "P"	6			
7																	8		
9	PANEL "C"		SEE RISER	*	150	2									SPACE	10			
11																12			
* SEE LOAD CALCULATION																GFI: PROVIDE GFI CIRCUIT BREAKER N.C.: NON CONCURRENT LOAD			

VOLTS: 120/240V, 1PH, 3W										TYPE:		LOAD CENTER	
BUS: 150 A										ENCLOSURE:		NEMA 3R	
MAIN: 150A M.C.B.										MOUNTING:		SURFACE	
AIC: 10,000										SERVING:		POOL	

CKT	DESCRIPTION	COND	WIRE	LOAD	TRIP	POLE	A	B	POLE	TRIP	LOAD	WIRE	COND	DESCRIPTION	CKT
1	GENERATOR CHARGER	1/2	12	1500	20	1									
3	EXTERIOR OUTLET	1/2	12	*	20	1			2	20	1500	12	1/2	BLOWER 2 HP	2
5	SPA PUMP	1/2	12	2000	20	2									4
7									2	20	1500	12	1/2	POOL PUMP 1.5 HP	6
9	JACUZZI PUMP	1/2	12	1500	20	2			1	20	500	12	1/2	POOL LIGHTS	8
11									2	40	4000	8	3/4	WET SAUNA	10
13									-	-	-	-	-	SPACE	12
15	STEAM UNIT	3/4	8	7500	40	2			-	-	-	-	-	SPACE	14
17	RECEPTACLE	1/2	12	1000	20	1			-	-	-	-	-	SPACE	16
19	HEATER CONTROL	1/2	14	150	15	1			1	20	500	12	1/2	SPA LIGHTS	18

* SEE LOAD CALCULATION										GFI: PROVIDE GFI CIRCUIT BREAKER		N.C.: NON CONCURRENT LOAD	
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VOLTS: 120/240V, 1PH, 3W														TYPE:		LOAD CENTER		
BUS: 60 A														ENCLOSURE:		NEMA 3R		
MAIN: M.L.O.														MOUNTING:		SURFACE		
AIC: 10,000														SERVING:		HOUSE		
OKT	DESCRIPTION				COND	WIRE	LOAD	TRIP	POLE	A	B	POLE	TRIP	LOAD	WIRE	COND	DESCRIPTION	OKT
1	SPRINKLER PUMP				1/2	12	1000	20	2			-	-	-	-		SPACE	2
3												-	-	-	-		SPACE	4
5	WATER FEATURE				1/2	12	1000	20	2			-	-	-	-		SPACE	6
7												-	-	-	-		SPACE	8
TOTAL LOAD @ 100%: 2,360 VA, 10 AMPS																		



NOTE:
ARC FAULT CB INTERRUPTER PROTECTION.
ALL BRANCH CIRCUITS THAT SUPPLY 125 V, SINGLE PHASE 15 AND 20 AMP OUTLETS SHALL BE PROTECTED BY ARC FAULT CIRCUIT INTERRUPTER AS PER NEC 210.12 (A)

NOTE:
INSTALL 4 CONDUCTORS TO ALL COOKING UNITS AND DRYER TO COMPLY WITH NEC 250.140

NOTE:
NOT LESS THAN 90% OF THE LAMPS SHALL HAVE AN EFFICACY OF AT LEAST 45 LUMENS/W OR NOT LESS THAN 65 LUMENS/W, FBC RE R404

STAIR ILLUMINATION 1 F.C. MINIMUM AS PER RES. R303.7

NOTE:
NOTE SMOKE ALARMS REQUIRED INSIDE & OUTSIDE ALL SLEEPING AREAS. FBC 907. CARBON MONOXIDE ALARM REQUIRED. FBC R315

NOTE:
PROVIDE TAMPER RESISTANT RECEPTACLES AS PER NEC 406.12

N
FIRST FLOOR PLAN - POWER
SCALE: 3/16" = 1'-0"



date 02/12/2025
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E-2B

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NEW RESIDENCE FOR:
9601 RESIDENCE
9601 S.W. 67th AVENUE - PINECREST, FLORIDA 33156