

ELECTRICAL LEGEND

-  20 A., 120V., V., DUPLEX RECEPTACLE, GROUNDING TYPE A, U.O.N., MOUNTED 18" A.F.F. OR AS DIRECTED BY ARCHITECT.
-  20A., 120V GFCI DUPLEX RECEPTACLE.
-  250V SPECIAL PURPOSE RECEPTACLE.
-  LIGHTING SWITCH @ 48" AFF.
-  3-WAY LIGHTING SWITCH @ 48" AFF.
-  SAFETY DISCONNECT SWITCH.
-  ELECTRIC PANEL.
-  EXHAUST FAN.
-  SINGLE STATION SMOKE DETECTOR W/BATTE BACKUP AND INTERCONNECTED.
-  SINGLE STATION SMOKE/CARBON MONOXIDE DETECTOR W/BATTE BACKUP AND INTERCONNECTED.
-  TV OUTLET.
-  PHONE/DATA OUTLET. PROVIDE MUD RING AND 3/4" C STUBBED ABOVE CEILING.
-  RECESSED CEILING MOUNTED FIXTURE.
-  SURFACE OR PENDANT MOUNTED FIXTURE.
-  WALL /PEDESTAL MOUNTED LIGHT.

----- LED STRIP LIGHT

c = ABOVE THE COUNTER.

VP = VAPOR PROOF.

WP = WEATHER PROOF.

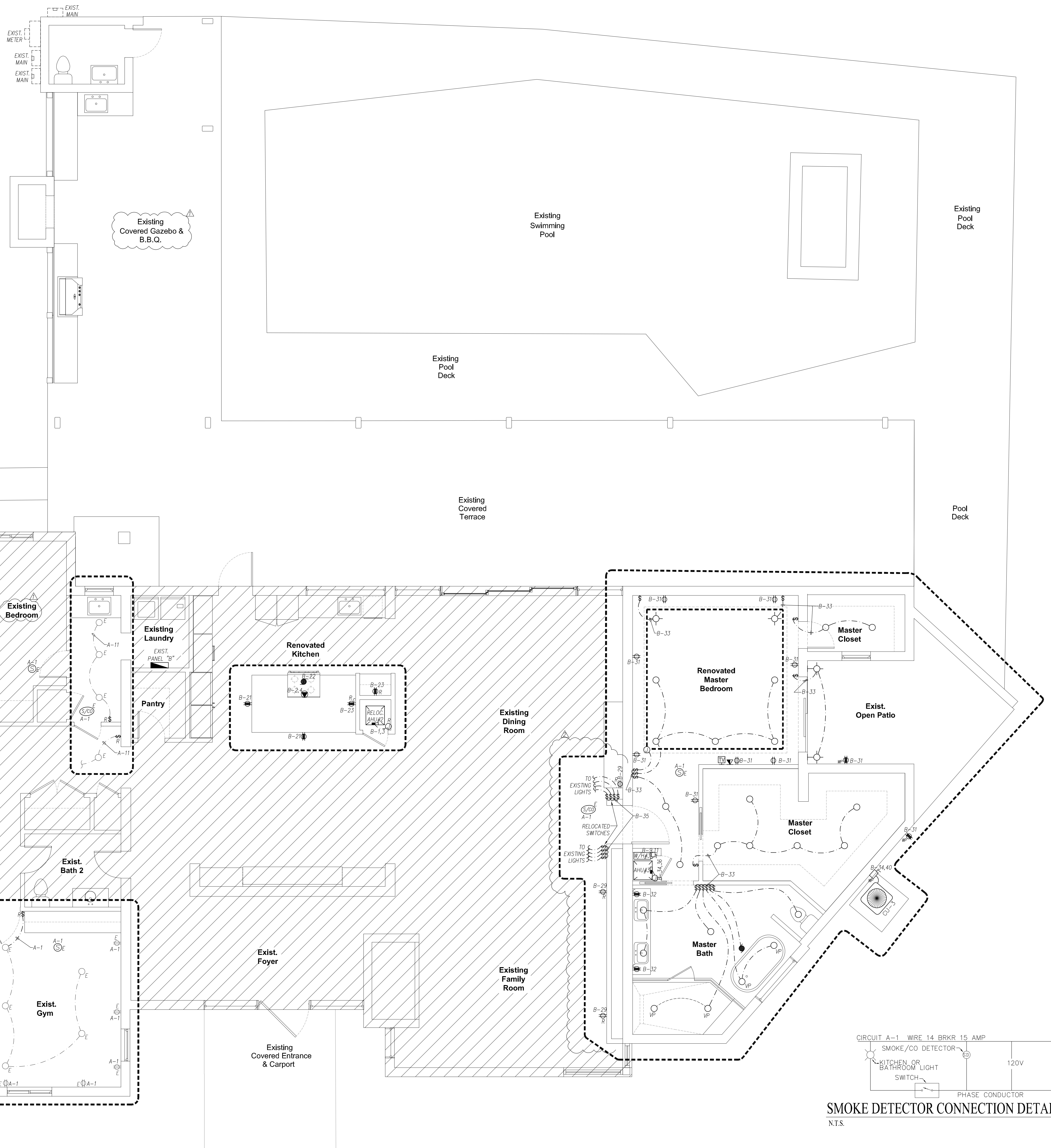
E = EXISTING TO REMAIN.

R = EXISTING TO BE RELOCATED.

NOTE-2:
IN ALL AREAS SPECIFIED IN NOTE-1, ALL 125-VOLT,
15 AND 20 AMPERE RECEPTACLES SHALL BE
LISTED TAMPER RESISTANT RECEPTACLES.NEC-2014-406.12

NOTE:
STAIR ILLUMINATION SHALL COMPLY WITH FLORIDA
RESIDENTIAL CODE R303.7, MIN. 1F.C. AT FLOOR
LEVEL ON TREADS AND LANDINGS.

NOTE: 75% OF NEW LAMPS TO BE
HIGH EFFICIENCY AS PER
F.B.C.E.-404



ELECTRICAL FLOOR PLAN

0 4' 8' 16'

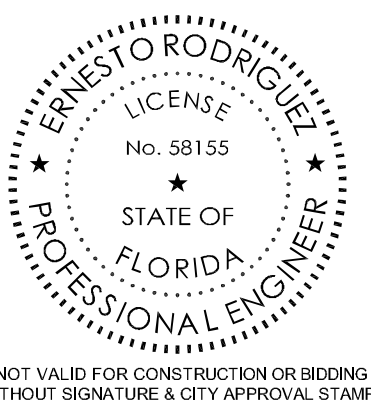
SCALE: 1/4" = 1'-0"

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No.	Description	Date
1	BUILDING DEPARTMENT	03/03/2025
2	OWNER REQUEST	08/21/2025

Project number	24-011
Date	10-24-2024
Drawn by	O.G.
Checked by	E.R.



Digitally signed
by Ernesto
Rodriguez
Date:
2025.08.21
09:01:26 -04'00'

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SHEET TITLE

ELECTRICAL FLOOR PLAN

SHEET No. _____

E200

Project number	24-011
Date	10-24-2024
Drawn by	O.G.
Checked by	E.R.



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SHEET No.

E300

PHASE: 1φ VOLTAGE: 120/240V PANEL AMPS: 200 Amps			EXISTING PANEL "B"										MAKE: EXISTING TYPE: EXISTING MAIN BREAKER: NONE		
(BRANCH BREAKERS TYPE QF, 10KAIC)															
OKt No.	USE	SPEC	VOLT	BKR AMP	WIR AWG	COND SIZE	PH A	PH B	VA	QF AMP	BKR AMP	VOLT	SPEC	USE	OKt No.
1	RELOCATED A/H#2		240	60	6	1	7,280		8,000	1	6	50	240	RELOCATED COOK TOP	2
2	↓		↓	↓	↓	↓	↓		↓	↓	↓	↓	↓	↓	4
5	EXISTING C.U. #2	NCL	240	40	EXIST	EXIST	5,400		16,000	EXIST	EXIST	70	240	EXISTING TANKLESS W/H#2	6
6	↓		↓	↓	↓	↓	↓		↓	↓	↓	↓	↓	↓	8
7	NEW TANKLESS W/H #3		240	60	6	1	11,000								10
8	↓		↓	↓	↓	↓	↓								12
13	EXISTING OVEN		240	40	EXIST	EXIST	5,000								14
15	↓		↓	↓	↓	↓	↓								16
17	EXISTING OVEN		240	40	EXIST	EXIST	5,000								18
18	↓		↓	↓	↓	↓	↓								20
21	EXISTING KITCHEN SMALL APPLIANCES	GFI	120	20	12	1/2	1,500								22
23	EXISTING KITCHEN SMALL APPLIANCES	GFI	120	20	12	1/2	1,500								24
25	EXISTING RECEPTACLES		120	20	EXIST	EXIST	*								26
27	EXISTING RECEPTACLES		120	20	EXIST	EXIST	*								28
29	EXISTING & RELOCATED RECEPTACLES		120	20	12	1/2	*								30
31	MASTER BEDROOM RECEPTACLES	AFCI	120	20	12	1/2	*		*	1/2	12	20	120	GFI MASTER BATHROOM RECEPTACLES	32
32	DOWN LIGHTS	AFCI	120	20	12	1/2	*		4,800	3/4	8	40	240	A/H.U. #3	34
33	EXISTING LIGHTS		120	20	12	1/2	*								36
37	EXISTING LIGHTS		120	20	EXIST	EXIST	*		2,400	3/4	12	20	240	NCL C.U. #3	38
39										↓	↓	↓	↓	↓	40

* SEE LOAD CALCULATION

** VERIFY NAME PLATE

GFI = GROUND FAULT INTERRUPTER.

AFCI = ARC FAULT CIRCUIT INTERRUPTER.

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Load Calculations

Lighting 1,528 sqft x 3 va/sqft = 4,584 va

Small Appliances = 3,000 va

Laundry = 1,500 va

First 3000 va @ 100% and Rest @ 35% = 5,130 va

Appliances = 28,190 va, (over 4 Appliances) @75% Demand Load = 21,143 va

Outdoor Lights/receptacles = 600 va

Range = 8,600 va

A/C Load = 9,680 va

Total VA = 45,153 va

Panel Load = 45,153/240 = 188 Amps

Service Load Calculation
As per N.E.C. Art. 220.30 Section B.
2,924 sqf x 3 va/sqf = 8,772 va
Other Loads = 68,400 va
Subtotal = 77,172 va
First 10,000 va @ 100% = 10,000 va
Rest 67,172 va @ 40% = 26,869 va
Subtotal = 36,869 va
A/C Load = 22,460 va
Total VA = 59,329 va
Panel Load = 59,329/240V = 248 Amps

