

ELECTRICAL LEGEND

- WALL LIGHT
CEILING LIGHT
DOUBLE CONV. OUTLET 120V
220V 50A OUTLET
220V 40A OUTLET
220V 30A OUTLET
FLOOR MOUNTED QUAD. CONV. OUTLET 120V (WATER PROOF)
WALL MOUNTED QUAD. CONV. OUTLET 120V (9'-10' AFF.)
TRUSS MOUNTED QUAD. CONV. OUTLET 120V
SINGLE POLE SWITCH
THREE POLE SWITCH
FOUR POLE SWITCH
CEILING FAN
ELECTRICAL PANEL
JUNCTION BOX
METER BASE
MEDICINE CABINET
SMOKE ALARM HARDWIRED & INTERCONNECTED W/ BATT. BACKUP
GROUND FAULT INTERRUPTOR OUTLET
W.P. WATER PROOF G.F.I. OUTLET
TELEPHONE
INTERNET
WATER PUMP
UNDER CABINETS LIGHTS, DIMMABLE
FLOOD LIGHTS (SECURITY)
GARBAGE DISPOSAL
CEILING FAN W/ LIGHT
GEN. TRANSFER SWITCH
ALARM PANEL
ON DEMAND WATER HEATER
WATER PUMP & TANK
SPLIT UNIT AIR CONDITIONER AIR HANDLER
A/C DISCONNECT
FIRE EXTINGUISHER
ILLUMINATED EXIT SIGN
(2) 4' T8 LED
EXHAUST FAN

ELECTRICAL LOAD DISTRIBUTION

PANEL 1
RECESSED MOUNTED
200 AMP5 CIRCUIT
120/208 VOLTS THREE PHASE

CIRCUIT BREAKERS		CIRCUIT BREAKERS	
1 RANGE	50 AMP 240V	2 TANKLESS WATER HEATER	40 AMP 240V
3		4	
5 OVEN	50 AMP 240V	6 STUDIO	20 AMP 120V
7		8 FRIDGE	20 AMP 120V
9 LAUNDRY	20 AMP 120V	10 GREEN RM. 1 A.F.C.I.	20 AMP 120V
11 SMOKE ALARM	20 AMP 120V	12 GREEN RM. 2 A.F.C.I.	20 AMP 120V
13 GREEN RM. 3 A.F.C.I.	20 AMP 120V	14 GREEN RM. 4 A.F.C.I.	20 AMP 120V
15 BATH 1	20 AMP 120V	16 BATH 2	20 AMP 120V
17 BATH 3	20 AMP 120V	18 BATH 4	20 AMP 120V
19 KITCHEN	20 AMP 120V	20 KITCHEN	20 AMP 120V
21 KITCHEN	20 AMP 120V	22 A/C ROOM 1	30 AMP 240V
23 A/C ROOM 2	30 AMP 240V	24	
25		26 A/C ROOM 3	30 AMP 240V
27 A/C ROOM 4	30 AMP 240V	28	
29		30 A/C 5 STUDIO	30 AMP 220V
31 DRYER	3 AMP 240V	32	
33		34 WASHER	20 AMP 120V
35 OPPOSITE KIT. WALL	20 AMP 120V	36 STUDIO	20 AMP 120V
37 STUDIO	20 AMP 120V	38 STUDIO	20 AMP 120V
39 SPARE	20 AMP 120V	40 SPARE	20 AMP 120V
41 TANKLESS WATER HEATER	40 AMP 240V	42 TANKLESS WATER HEATER	40 AMP 240V
43		44	
45 TANKLESS WATER HEATER	40 AMP 240V	46 TANKLESS WATER HEATER	40 AMP 240V
47		48	
49 SPARE	20 AMP 120V	50 SPARE	20 AMP 120V
51 SPARE	20 AMP 120V	52 SPARE	20 AMP 120V

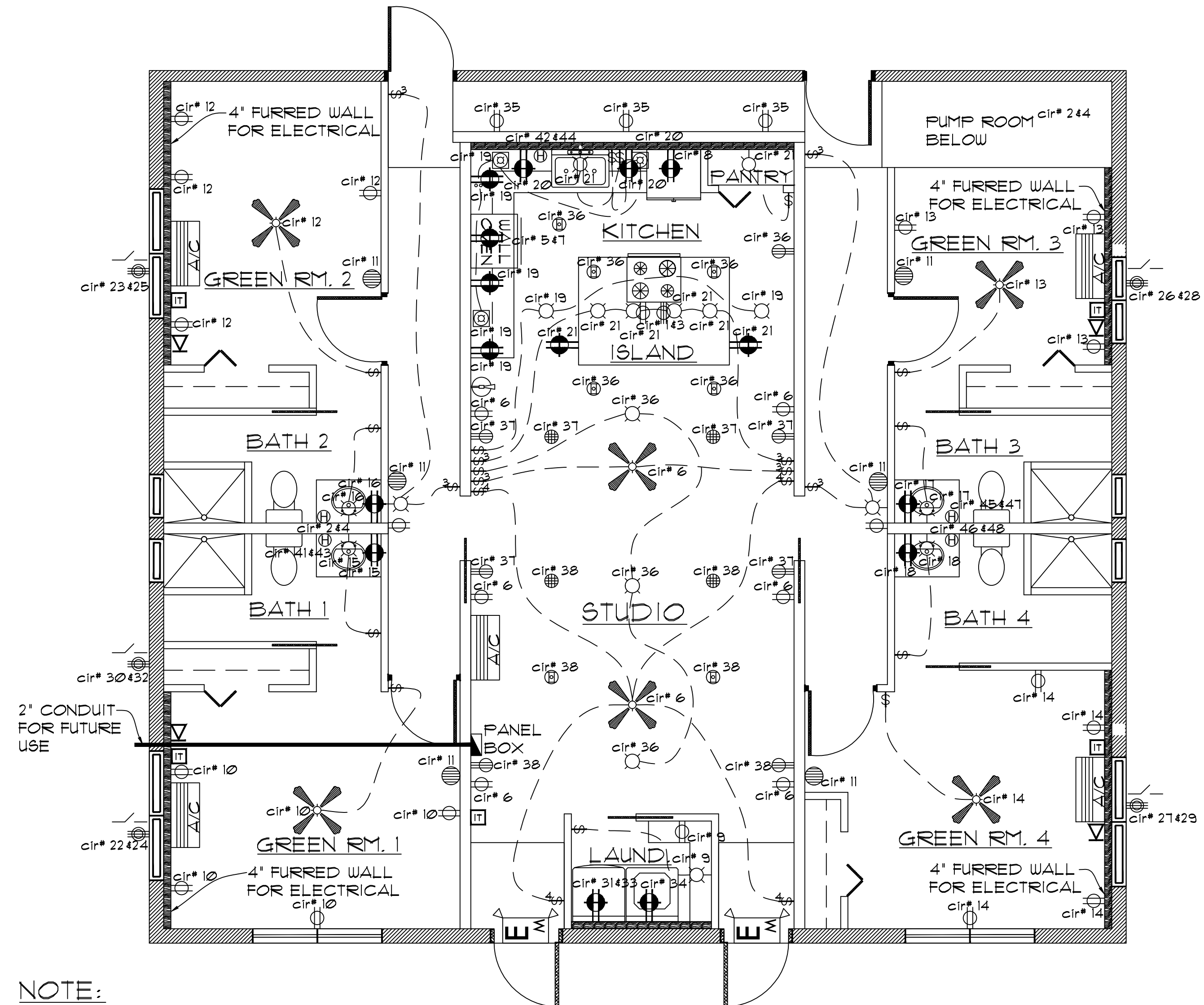
BRANCH SERVICE CONDUIT 3"10 THW/1-8THW IN 2" PVC

DISTRIBUTION PANEL TYPE
SQUARE D 52 CIRCUIT PANEL
OR APPROVED EQUAL

ALL OTHER CIRCUIT 3"12 THW IN 1 1/2"2" PVC
(GROUND ALL CIRCUITS WITH 1"12 THW)

NOTES: (PER NATIONAL ELECTRIC CODE (N.E.C.))

- ALL MULTIWIRED BRANCH CIRCUITS ARE PER NEC ARTICLE 210.4 (A), (B), (C), & (D).
- ALL GROUND-FAULT CIRCUIT-INTERRUPTER ARE PER NEC ARTICLE 210.8 (B).
- BRANCH CIRCUITS REQUIRED ARE PER NEC ARTICLE 210.11 (C)-(12,3).
- ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION IS REQUIRED IN BEDROOMS PER NEC ARTICLE 210.12 (B).
- DWELLING UNITS RECEPTACLE OUTLETS FOR SMALL APPLIANCES ARE PER NEC ARTICLE 210.52 (B)-(12,3).
- COUNTERTOPS RECEPTACLES ARE PER NEC ARTICLE 210.52 (C)-(12,3,4,5).
- GROUNDING ELECTRODES ARE PER NEC 250.52 (A) THRU (B).
- RESISTANCE OF ROD, PIPE, & PLATE ELECTRODES ARE PER NEC ARTICLE 250.56.
- CIRCUIT DIRECTORY/CIRCUIT IDENTIFICATION ARE REQUIRED PER NEC ARTICLE 408.4.
- STORAGE TYPE WATER HEATERS ARE PER NEC ARTICLE 422.13.
- RANGE HOODS ARE PER NEC ARTICLE 422.16 (B)-(4).
- SWITCHES CONTROLLING LIGHTING LOADS ARE PER ARTICLE 404.2 (C). A NEUTRAL WIRE IS REQUIRED IN EACH CONDUIT.
- PROVIDE OVERCURRENT PROTECTION IN MAIN PANEL FOR SUB-PANELS.
- PROVIDE RACEWAY SEAL.
- ALL RECEPTACLES SHALL BE TAMPER RESISTANT. PER NEC 406.12.
- AIR CONDITIONING AND REFRIGERATION EQUIPMENT SHALL COMPLY WITH NEC 210.63(A).
- EQUIPMENT REQUIRING SERVICING SHALL COMPLY WITH NEC 210.63.
- LOADS SHALL BE EVENLY PROPORTIONED AMONG BRANCH CIRCUITS PER NEC 210.11(B).



NOTE:

ALL LIGHTS IN KITCHEN AND LIVING AREA ARE TO BE DIMMABLE.

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

ELECTRICAL PLAN

DATE:
SEPT., 2024

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

DRAWN BY:

JOB No.:
549

SHEET No.:

E 1