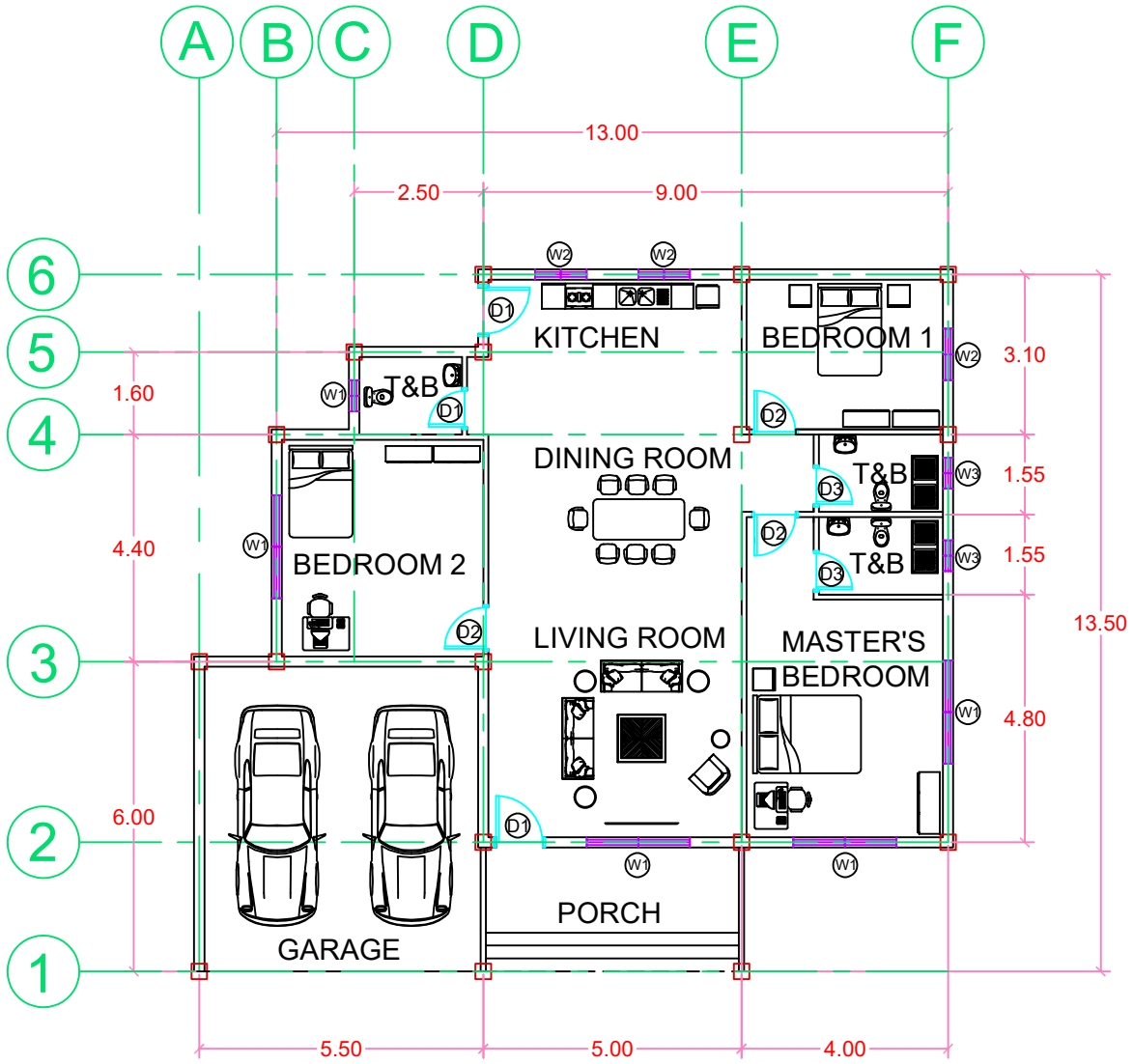
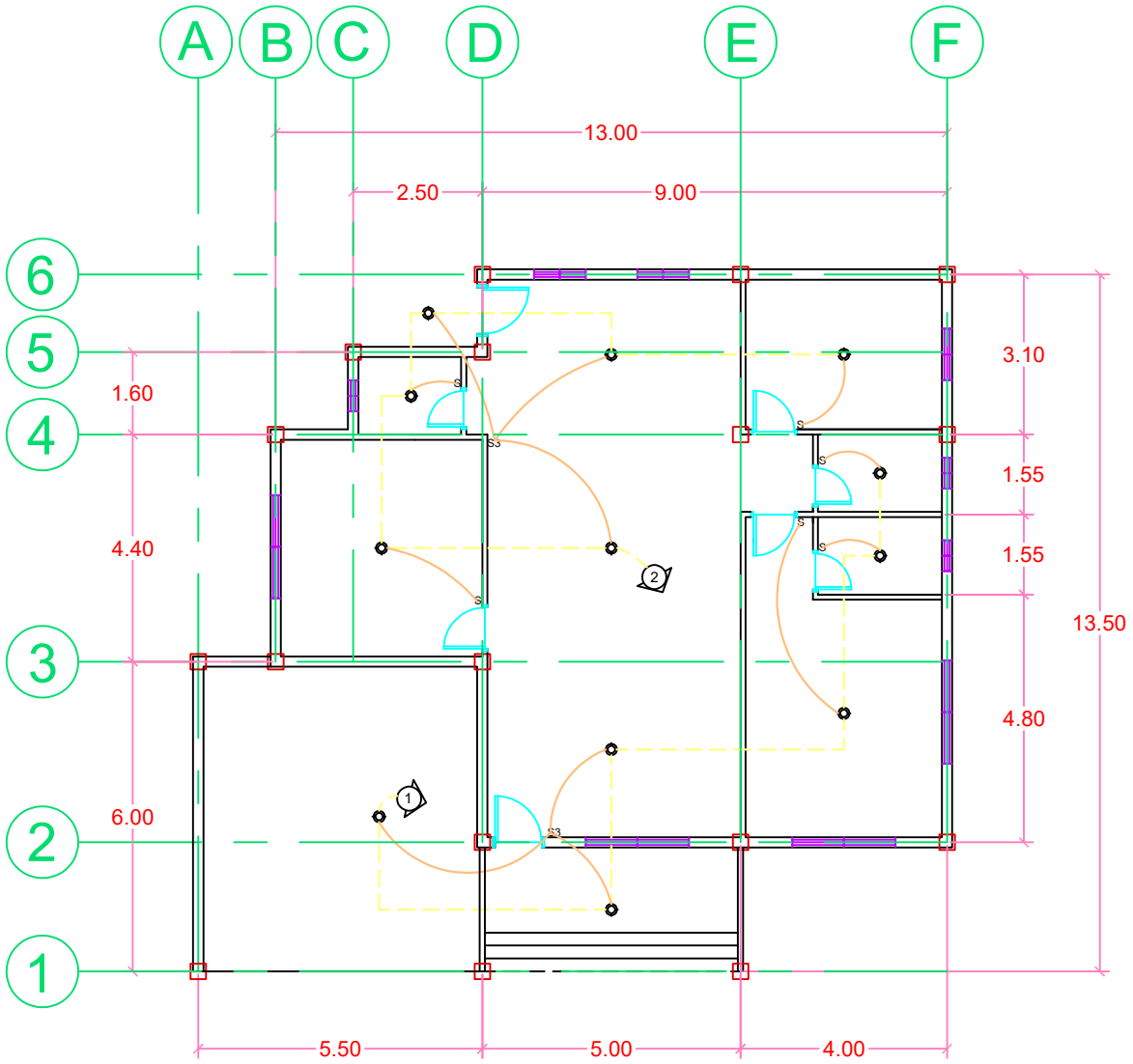


FLOOR PLAN

SCALE: 1:100M

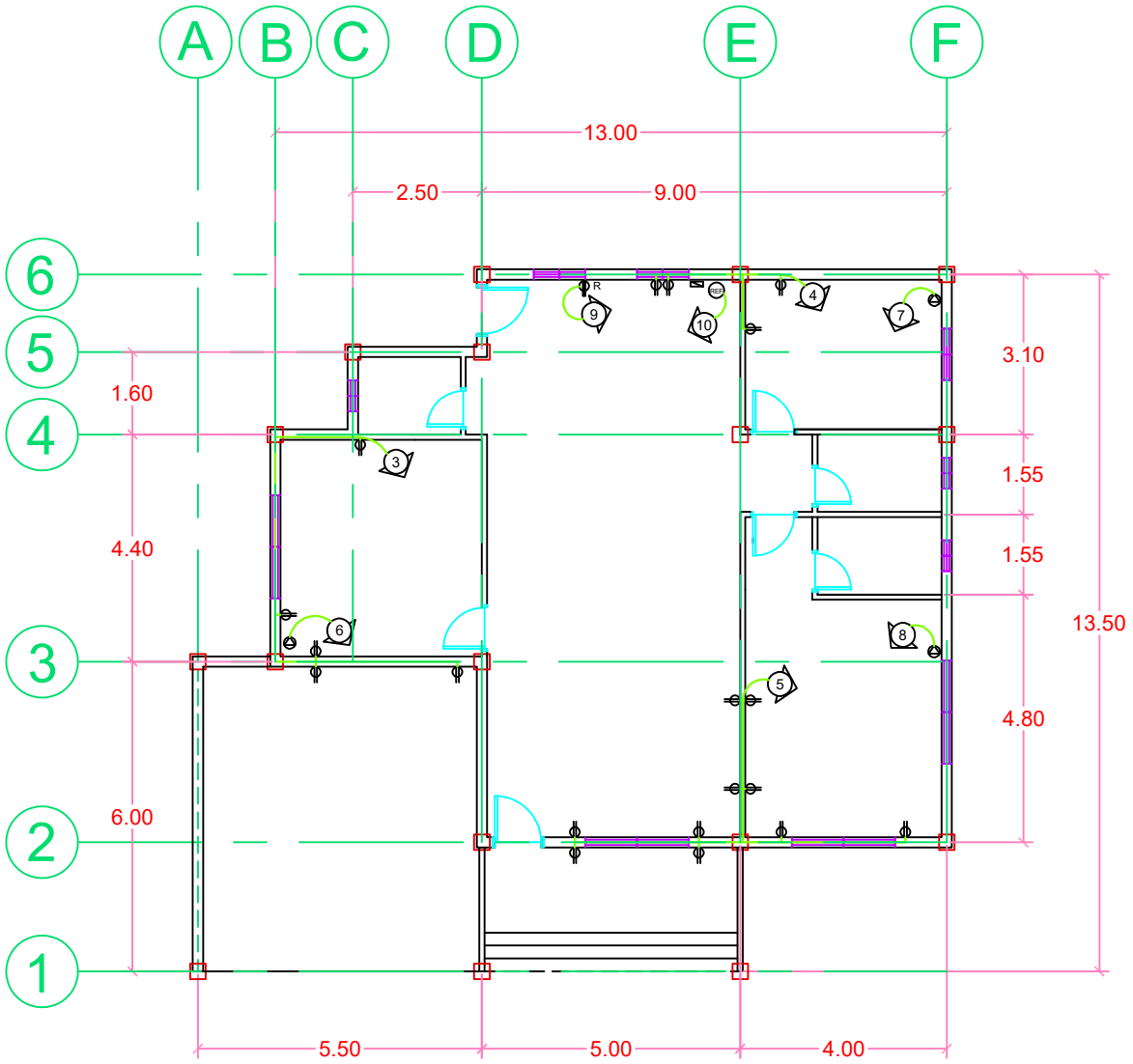
SUBMITTED BY:	SUBMITTED TO:	PROJECT TITLE:	PROJECT OWNER:		SHEET CONTENT:	A-1
		PROPOSED RESIDENTIAL BUNGALOW BUILDING			FLOOR PLAN	
		LOCATION:	HOME ADDRESS:			



LIGHTING LAYOUT

SCALE: 1:100M

SUBMITTED BY:	SUBMITTED TO:	PROJECT TITLE:	PROJECT OWNER:	SHEET CONTENT:	E-1
		PROPOSED RESIDENTIAL BUNGALOW BUILDING		LIGHTING LAYOUT	
		LOCATION:	HOME ADDRESS:		



POWER LAYOUT

SCALE: 1:100M

SUBMITTED BY:	SUBMITTED TO:	PROJECT TITLE:	PROJECT OWNER:	SHEET CONTENT:	E-2
		PROPOSED RESIDENTIAL BUNGALOW BUILDING		POWER LAYOUT	
		LOCATION:	HOME ADDRESS:		

CKT. NO.	LIGHT	SWITCH	C.O.	LOAD (WATTS)	VOLTS	AMPERES	CKT. PROT. AT	CKT. PROT. AF	WIRE GAUGE (mm)	CONDUIT	REMARKS
1	6	4		762	230	3.31	15	50	2-2.0	20 mm Ø	LIGHTING
2	6	4		551	230	2.40	15	50	2-2.0	20 mm Ø	LIGHTING
3			5	900	230	3.91	20	50	2-3.5	20 mm Ø	POWER
4			4	720	230	2.25	20	50	2-3.5	20 mm Ø	POWER
5			10	1800	230	7.83	20	50	2-3.5	20 mm Ø	POWER
6			1	1840	230	8	30	50	2-3.5	20 mm Ø	ACU
7			1	1840	230	8	30	50	2-3.5	20 mm Ø	ACU
8			1	1840	230	8	30	50	2-3.5	20 mm Ø	ACU
9			1	600	230	2.61	20	50	2-3.5	20 mm Ø	REF
10			1	1800	230	7.24	20	50	2-3.5	20 mm Ø	RANGE
11	SPARE										
12	SPARE										
13	SPARE										
14	SPARE										
	TOTAL					53.54					

PER AREA METHOD

CIRCUIT 1: 92.51m²

92.51
X 33
3046.89

3046.89
/ 24
126.92

CIRCUIT 2: 66.72m²

66.72
X 33
2201.76

2201.76
/ 24
91.74

DEMAND FACTOR - 80%

53.54
X 80%
42.83

DEMAND LOAD

25%
X 8
2
+ 42.83
44.83

IT = 44.83

SERVICE ENTRANCE CONDUCTOR

USE:
2-8.0 mm² COPPER WIRE
2-2.0 mm² COPPER WIRE FOR MAIN & NEUTRAL REEDER RESPECTIVELY

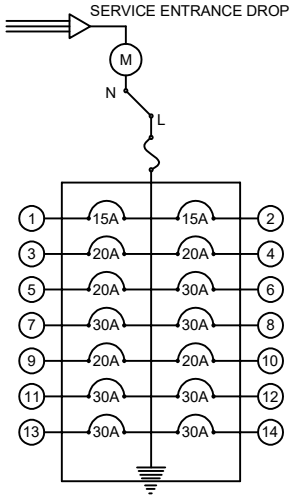
LOAD SCHEDULE

NOT TO SCALE

S	SWITCH
S2	2 - WAY SWITCH
S3	3 - WAY SWITCH
	PANEL BOARD
	CEILING LIGHT OUTLET
REF	REF OUTLET
	CONVENIENCE OUTLET
R	RANGE OUTLET
	CIRCUITS
	ACU

LEGEND

NOT TO SCALE



RISER DIAGRAM

NOT TO SCALE

GENERAL NOTES (ELECTRICAL)

1. ALL ELECTRICAL INSTALLATIONS SHALL COMPLY W/ THE PROVISIONS OF THE ELECTRICAL CODE OF THE PHILS. & W/ THE LAWS & REGULATION OF THE NAT'L & LOCAL AUTHORITIES CONCERNED W/ THE ENFORCEMENT OF ELECTRICAL LAWS.

2. THE CONTRACTOR SHALL VERIFY & ORIENT THE ACTUAL LOCATION OF THE CONCRETE TERMINAL POLE FOR THE CONNECTION OF THE POWER SUPPLY OR TELEPHONE SERVICE.

3. ALL INSTALLATIONS SHALL BE CONCEALED FROM VIEW, WIRINGS SHALL BE ENCASED IN UPVC #40 EXCEPT POWER & ELECTRICAL, TELEPHONE LINE SERVICE ENTRANCE W/C SHALL BE ENCASED IN RSC UNLESS OTHERWISE SPECIFIED.

4. MINIMUM WIRE & CONDUIT SIZE SHALL BE 2.0mm² & 15mm Ø RESPECTIVELY UNLESS OTHERWISE SPECIFIED.

5. PULL BOXES OF APPROPRIATE SIZE SHALL BE PROVIDED EVEN IF NOT INDICATED IN PLAN TO ACCOMODATE NUMBER OF SUPPLIES.

6. ALL MATERIALS TO BE USED SHALL BE NEW & APPROPRIATE SIZE.

7. ALL INSTALLATIONS SHALL BE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.

SUBMITTED BY:	SUBMITTED TO:	PROJECT TITLE:	PROJECT OWNER:	SHEET CONTENT:	E-3
		PROPOSED RESIDENTIAL BUNGALOW BUILDING		LOAD SCHEDULE RISER DIAGRAM LEGEND ELECTRICAL NOTES	
		LOCATION:	HOME ADDRESS:		