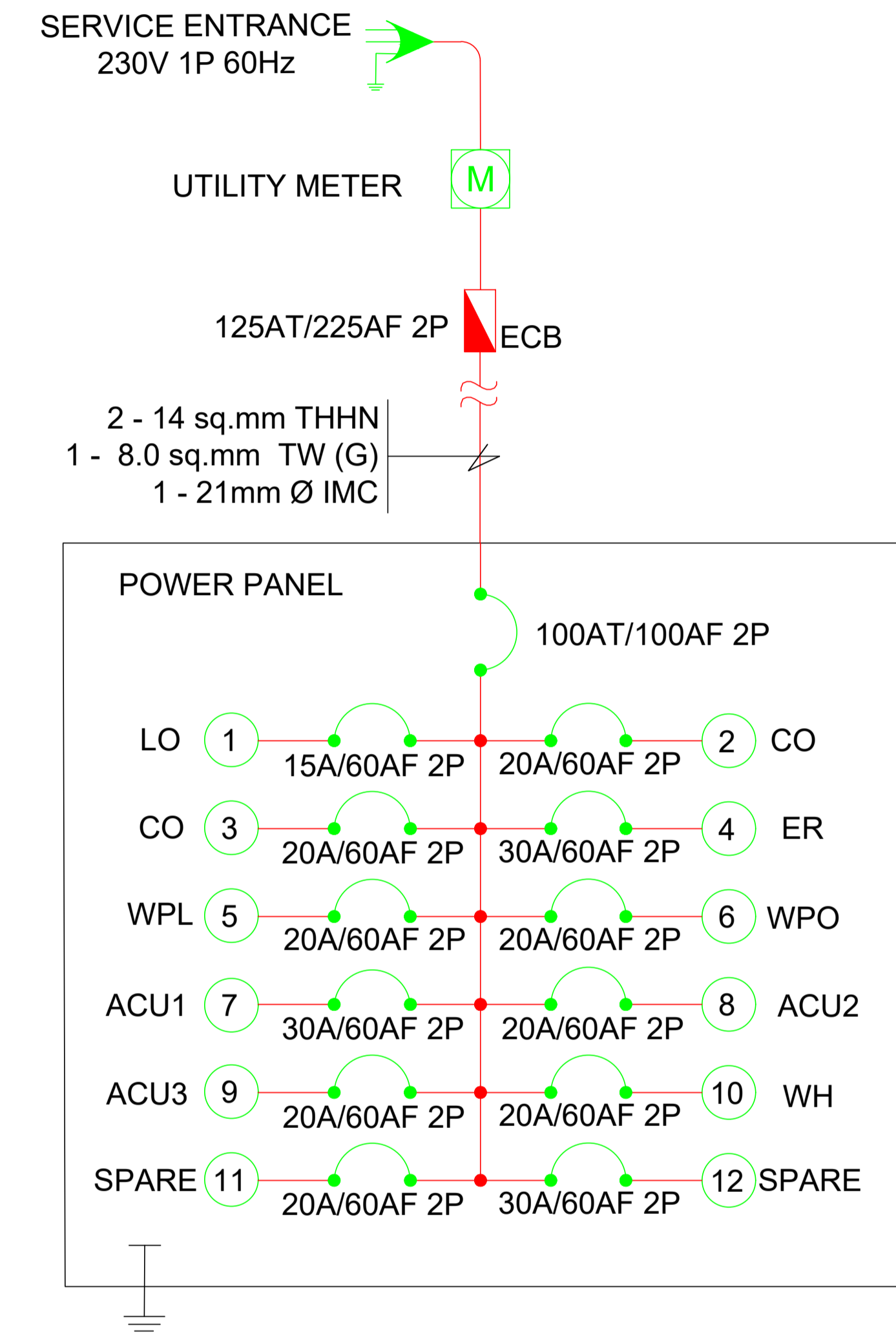


LOAD SCHEDULE													
PANEL: INDIVIDUAL ECB						SYSTEM: 230 VAC 1 Ø 60HZ							
MAIN CIRCUIT BREAKER: 225AT/225AF 2-POLE MCCB						MOUNTING: SURFACE							
MAIN CABLE: 2-80mm ² THW and 1 - 14mm ² TW(GROUND)						ENCLOSURE: NEMA-3R							
RACEWAY: 41mm dia. IMC						FED. FROM: UTILITY							
CKT. NO.	LO	CO	HP	LOAD DESCRIPTION	VA	VOLT	AMPERE	C.BREAKER RATING			CABLE(mm ²)		CONDUIT
1				UNIT 1		230	68	125-2P	60	1 Ø	2-14mm	1- 8.0mm	21mmØ
2				UNIT 2		230	68	125-2P	60	1 Ø	2-14mm	1- 8.0mm	21mmØ
3				UNIT 3		230	68	125-2P	60	1 Ø	2-14mm	1- 8.0mm	21mmØ
4				UNIT 4		230	68	125-2P	60	1 Ø	2-14mm	1- 8.0mm	21mmØ
TOTAL CONNECTED LOAD =					91,040								
LOAD COMPUTATION: APPLICATION OF DEMAND FACTOR BASE ON (TABLE 2.20.4.5)						MAIN: 18 KAIC							
CABLE: TOTAL 1 Ø CURRENT @ 45% DF = (91040/230) x 0.45 = 178.12A						BRANCH: 10 KAIC							
TOTAL 1 Ø CURRENT = 178.12A													
PROTECTION: TOTAL 1 Ø CURRENT @ 45% DF = (91040/230) X 0.45 = 178.12A													
TATAL 1 Ø CURRENT = 178.12A													

E
9-11 SCALE 1:50MTS
SUMMARY LOAD

LOAD SCHEDULE													
PANEL: LP1, LP2, LP3, LP4 for (UNIT 1-4)						SYSTEM: 230 VAC 1 Ø 60HZ							
MAIN CIRCUIT BREAKER: 100AT/100AF 2-POLE MCB						MOUNTING: SURFACE							
FEEDER CABLE: 2-14mm ² THHN and 1 - 8.0mm ² TW(GROUND)						LP ENCLOSURE: NEMA-1							
RACEWAY: 3/4 INCH OR 21mm dia. IMC						FED. FROM: UTILITY							
CKT. NO.	LO	CO	HP	LOAD DESCRIPTION	VA	VOLT	AMPERE	C.BREAKER RATING			CABLE(mm ²)		CONDUIT
1	20			LIGHTING FIXTURES	1000	230	4.35	15-2P	60	1 Ø	2-3.5	1- 3.5	16
2		4		OUTLET 1ST FLOOR	720	230	3.13	20-2P	60	1 Ø	2-3.5	1- 3.5	16
3		9		OUTLET 2ND FLOOR	1620	230	7	20-2P	60	1 Ø	2-3.5	1- 3.5	16
4				ELECTRIC RANGE	6400	230	27.82	30-2P	60	1 Ø	2-3.5	1- 3.5	16
5				LAUNDRY	1500	230	6.52	20-2P	60	1 Ø	2-3.5	1- 3.5	16
6		2		WEATHERPROOF OUTLET	360	230	1.57	20-2P	60	1 Ø	2-3.5	1- 3.5	16
7			1.5 HP	WINDOW TYPE ACU1	2300	230	10	30-2P	60	1 Ø	2-3.5	1- 3.5	16
8			1 HP	WINDOW TYPE ACU2	1840	230	8	20-2P	60	1 Ø	2-3.5	1- 3.5	16
9			1 HP	WINDOW TYPE ACU3	1840	230	8	20-2P	60	1 Ø	2-3.5	1- 3.5	16
10				WATER HEATER	3200	230	13.91	20-2P	60	1 Ø	2-3.5	1- 3.5	16
11				SPARE	0	230	0	20-2P	60	1 Ø			
12				SPARE	0	230	0	30-2P	60	1 Ø			
TOTAL CONNECTED LOAD =					20780								
LOAD COMPUTATION:						MAIN: 18 KAIC							
CABLE: TOTAL 1 Ø CURRENT @ 80% DF = [((20780 - 2300) / 230) + 125%(2300)/230] X 80% = 74.28A						BRANCH: 10 KAIC							
TOTAL 1 Ø CURRENT = 74.28A													
PROTECTION: TOTAL 1 Ø CURRENT @ 80% DF = [((20780 - 2300) / 230) + 250%(2300)/230] X 80% = 84.28A													
TOTAL 1 Ø CURRENT = 84.28A													

E
10-11 SCALE 1:50MTS
LOAD SCHEDULE



E
11-11 SCALE 1:50MTS
SINGLE LINE DIAGRAM

DESIGNER:	PEE:	PROJECT TITLE:	APPROVED BY:	REVISIONS	SHEET CONTENTS:	SHEET NO.
		PROPOSED 2 STOREY TOWNHOUSE (ELECTRICAL DESIGN LAYOUT)		DRAWN BY:	SUMMARY OF LOAD LOAD SCHEDULE SINGLE DIAGRAM	E 4 4
PRC:	VALID:		OWNER:	DATE:		PAGE 4 OF 4
PTR:	DATE:			REVISION:		
				REV. DATE:		