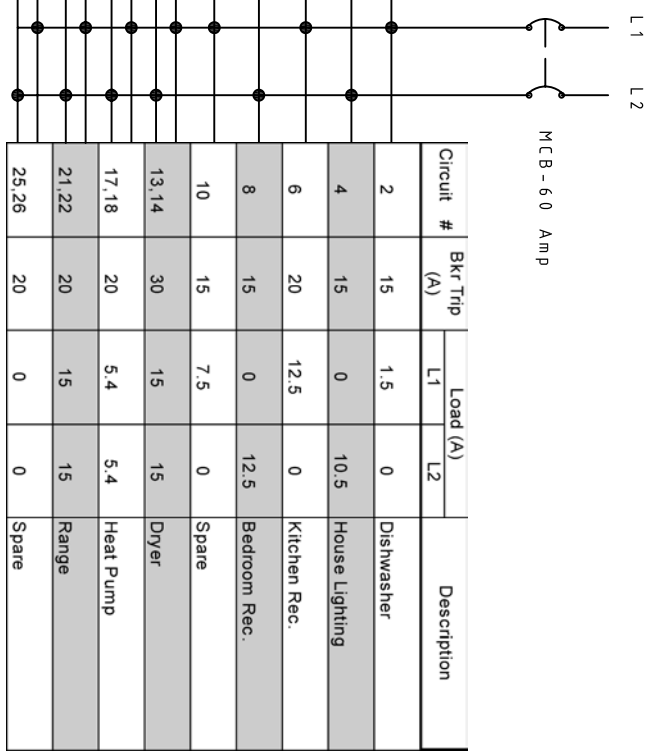


Branch Circuits

Circuit	Location	Description	P _r [W]	E [volts]	I _L [A]	Circuit Breaker (A)	# Poles	Conductor (THW, Cu)			Length [ft]		Load Contribution (A)	
								Phase	AWG	#10	#12	#14	L1	L2
1	Kitchen	Refrigerator	180	120	1.5	15	1	L1	#14	0	0	10	1.5	0
2	Kitchen	Dishwasher	300	120	2.5	15	1	L1	#14	0	0	16	2.5	0
3	Living Rm & Outside	Rec.	1260	120	10.5	20	1	L2	#12	0	58	0	0	10.5
4	House	Lighting	756	120	6.3	15	1	L2	#14	0	0	150	0	6.3
5	Kitchen	Rec.	1500	120	12.5	20	1	L1	#12	0	18	0	12.5	0
6	Kitchen	Rec.	1500	120	12.5	20	1	L1	#12	0	30	0	12.5	0
7	Bath	GFCI Rec.	1500	120	12.5	20	1	L2	#12	0	14	0	0	12.5
8	Bedroom & Outside	Rec.	900	120	7.5	15	1	L2	#14	0	0	38	0	7.5
9	Tech. Pod	Rec.	900	120	7.5	15	1	L1	#14	0	0	18	7.5	0
10	Spare		0	120	0	15	1	L1	#14	0	0	0	0	0
11,12	Laundry	Washing Machine	600	240	2.5	20	2	L1,L2	#12	0	8	0	2.5	2.5
13,14	Laundry	Dryer	2400	240	10	30	2	L1,L2	#10	8	0	0	10	10
15,16	Mechanical	Air Handler	1296	240	5.4	20	2	L1,L2	#12	0	10	0	5.4	5.4
17,18	Outside	Heat Pump	2544	240	10.6	20	2	L1,L2	#12	0	12	0	10.6	10.6
19,20	Tech. Pod	HP Water Heater	1200	240	5	20	2	L1,L2	#12	0	8	0	5	5
20,21	Kitchen	Range	3600	240	15	20	2	L1,L2	#12	0	26	0	15	15
22,23	Kitchen	Oven	3600	240	15	20	2	L1,L2	#12	0	26	0	15	15
24,25	Spare		0	240	0	20	2	L1,L2	#12	0	0	0	0	0
Totals			20436		136.8		8			210	218	100	100.3	

Description	Load (A)		Bkr Trip (A)	Circuit #
	L1	L2		
Refrigerator	1.5	0	15	1
LR & Outside Rec.	0	10.5	20	3
Kitchen Rec.	12.5	0	20	5
Bathroom Rec.	0	12.5	20	7
Tech Pod Rec.	7.5	0	15	9
Washing Machine	2.5	2.5	20	11,12
Air Handler	5.4	5.4	20	15,16
HP Water Heater	5	5	20	19,20
Oven	15	15	20	23,24



Circuit #	Bkr Trip (A)	Load (A)		Description
		L1	L2	
2	15	1.5	0	Dishwasher
4	15	0	10.5	House Lighting
6	20	12.5	0	Kitchen Rec.
8	15	0	12.5	Bedroom Rec.
10	15	7.5	0	Spare
13,14	30	15	15	Dryer
17,18	20	5.4	5.4	Heat Pump
21,22	20	15	15	Range
25,26	20	0	0	Spare

Total Load L1:	105
Total Load L2:	105.3
Panel Balance:	0.28%
Total Load on Panel:	25.2 kVA

AC DISTRIBUTION PANEL