

### Branch Panel: TP-A

Location: BED RM 1- TYPE A A105  
 Supply From:  
 Mounting: Recessed  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating:  
 Mains Type:  
 Mains Rating: 100 A  
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	Bathroom Receptacle	20 A	1	180 VA	684 VA		1	20 A	Lighting Bedrooms, Bathroom, Mech Rm, Storage	2
3	Living Room Receptacles	20 A	1		720 VA	285 VA	1	20 A	Bathroom Fans, CP-1, Mech Rm Receptacle	4
5	Refrigerator Receptacle	20 A	1	960 VA	180 VA		1	20 A	Kitchen Counter Receptacle	6
7	Bedroom Receptacles	20 A	1		900 VA	900 VA	1	20 A	Bedroom Receptacles	8
9	Dishwasher	20 A	1	1092 VA	180 VA		1	20 A	Bathroom Receptacle	10
11	Living Room Receptacles	20 A	1		900 VA	1800 VA	1	20 A	Boiler B-1	12
13	Electric Dryer Receptacle	30 A	2	5700 VA	726 VA		1	20 A	Lighting Kitchen, Living, Bathroom	14
15					0 VA	960 VA	1	20 A	Washing Machine Receptacle	16
17	Exterior Receptacles	20 A	1	360 VA	840 VA		1	20 A	Disposal	18
19	Microwave Hood Receptacle	20 A	1		1200 VA	1000 VA	1	20 A	Gas Range Receptacle	20
21	Kitchen Island Receptacles	20 A	1	540 VA						22
23	Kitchen Counter Receptacles	20 A	1		360 VA					24
25										26
27										28
29										30
				<b>Total Load:</b>	11442 VA			9025 VA		
				<b>Total Amps:</b>	95 A			75 A		

Notes:

Provide arc fault protected breakers per NEC Article 210.12.  
 EF-1 shall be wired for continuous power at low speed and switched with lights for high speed.

Panel Totals	
<b>Total Conn. Load:</b>	20467 VA
<b>Total Est. Demand:</b>	15335 VA
<b>Total Conn.:</b>	85 A
<b>Total Est. Demand:</b>	64 A

### Branch Panel: TP-B

Location: CORR B201  
 Supply From:  
 Mounting: Recessed  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating:  
 Mains Type:  
 Mains Rating: 100 A  
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	1st Flr Bathroom Receptacle	20 A	1	180 VA	200 VA		1	20 A	Bathroom Exhaust Fans	2
3	CP-1, CP-2, CP-3, WH-4	20 A	1		375 VA	360 VA	1	20 A	Exterior Receptacles	4
5	Gas Range Receptacle	20 A	1	1000 VA	180 VA		1	20 A	2nd Flr Bathroom Receptacle	6
7	Lighting 2nd Floor	20 A	1		692 VA	540 VA	1	20 A	WH-1, Stairs & Hallway Receptacles	8
9	Kitchen Counter Receptacles	20 A	1	540 VA	1037 VA		1	20 A	Lighting 1st Floor	10
11	Living Room Receptacles	20 A	1		1620 VA	840 VA	1	20 A	Disposal	12
13	Refrigerator Receptacle	20 A	1	960 VA	180 VA		1	20 A	Kitchen Counter Receptacle	14
15	1st Floor Bedroom Receptacles	20 A	1		1080 VA	1092 VA	1	20 A	Dishwasher	16
17	2nd Floor Bedroom Receptacles	20 A	1	1080 VA	5700 VA					18
19	Microwave Hood Receptacle	20 A	1		1200 VA	0 VA	2	30 A	Electric Dryer Receptacle	20
21				1800 VA			1	20 A	Boiler B-1	22
23						360 VA	1	20 A	Kitchen Counter Receptacles	24
25										26
27	Washing Machine Receptacle	20 A	1		960 VA	1080 VA	1	20 A	2nd Floor Bedroom Receptacles	28
29										30
				<b>Total Load:</b>	12857 VA			10199 VA		
				<b>Total Amps:</b>	107 A			85 A		

Notes:

Provide arc fault protected breakers per NEC Article 210.12.  
 EF-1 shall be wired for continuous power at low speed and switched with lights for high speed.

Panel Totals	
<b>Total Conn. Load:</b>	23056 VA
<b>Total Est. Demand:</b>	16736 VA
<b>Total Conn.:</b>	96 A
<b>Total Est. Demand:</b>	70 A

### Branch Panel: TP-C

Location: BED RM 3 C211  
 Supply From:  
 Mounting: Recessed  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating:  
 Mains Type:  
 Mains Rating: 100 A  
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	2nd Flr Bathroom Receptacle	20 A	1	180 VA	675 VA		1	20 A	Lighting 1st Floor	2
3	WH-1, WH-2, Stairs & Hallway Receptacles	20 A	1		720 VA	360 VA	1	20 A	Exterior Receptacles	4
5	Living Room Receptacles	20 A	1	1440 VA	1080 VA		1	20 A	2nd Flr Bedroom Receptacles	6
7	Disposal	20 A	1		840 VA	1000 VA	1	20 A	Gas Range Receptacle	8
9	1st Flr Bathroom Receptacle	20 A	1	180 VA	380 VA		1	20 A	2nd Flr Bathroom Fans, KSH-1, KSH-2	10
11	Dishwasher	20 A	1	1092 VA	1178 VA		1	20 A	Lighting 2nd Floor	12
13	Kitchen Counter Receptacles	20 A	1	360 VA	375 VA		1	20 A	CP-1, CP-2, CP-3, WH-4	14
15	Microwave Hood Receptacle	20 A	1		1200 VA	180 VA	1	20 A	Kitchen Counter Receptacle	16
17	Electric Dryer Receptacle	30 A	2	5700 VA	720 VA		1	20 A	2nd Flr Bedroom Receptacles	18
19					0 VA					20
21				960 VA			1	20 A	Refrigerator Receptacle	22
23	2nd Flr Bathroom Receptacle	20 A	1		180 VA	540 VA	1	20 A	Kitchen Counter Receptacles	24
25							1	20 A	2nd Flr Bedroom Receptacles	26
27	Boiler B-1	20 A	1		1800 VA	960 VA	1	20 A	Washing Machine	28
29										30
				<b>Total Load:</b>	13130 VA			10050 VA		
				<b>Total Amps:</b>	109 A			84 A		

Notes:

Provide arc fault protected breakers per NEC Article 210.12.  
 EF-1 shall be wired for continuous power at low speed and switched with lights for high speed.

Panel Totals	
<b>Total Conn. Load:</b>	23180 VA
<b>Total Est. Demand:</b>	17076 VA
<b>Total Conn.:</b>	97 A
<b>Total Est. Demand:</b>	71 A

### Branch Panel: TP-D

Location: KITCHEN / DINING / LIVING  
 Supply From:  
 Mounting: Recessed  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating:  
 Mains Type:  
 Mains Rating: 100 A  
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	Bathroom Receptacle	20 A	1	180 VA	360 VA		1	20 A	Kitchen Counter Receptacles	2
3	Lighting Kitchen, Living, Bathroom	20 A	1		640 VA	540 VA	1	20 A	Exterior Receptacles	4
5	Dishwasher	20 A	1	1092 VA	180 VA		1	20 A	Bathroom Receptacle	6
7	EF-1, CP-2, CP-3, KSH-1, Mech Rm Receptacle	20 A	1		800 VA	874 VA	1	20 A	Lighting Bedrooms, Bathroom, Stair	8
9	Kitchen Island Receptacles	20 A	1	540 VA			1	20 A	Gas Range Receptacle	10
11	Disposal	20 A	1		840 VA	1000 VA	1	20 A		12
13	Living Room Receptacles	20 A	1	900 VA			1	20 A		14
15	Microwave Hood Receptacle	20 A	1		1200 VA	1800 VA	1	20 A	Boiler B-1	16
17	Electric Dryer Receptacle	30 A	2	5700 VA	900 VA		1	20 A	Bedroom Receptacles	18
19					0 VA	180 VA	1	20 A	Kitchen Counter Receptacle	20
21				960 VA			1	20 A	Refrigerator Receptacle	22
23	Living Room Receptacles	20 A	1		540 VA	900 VA	1	20 A	WH-3, Stair Receptacles	24
25										26
27	Bedroom Receptacles	20 A	1		900 VA					28
29										30
				<b>Total Load:</b>	10812 VA			11174 VA		
				<b>Total Amps:</b>	90 A			93 A		

Notes:

Provide arc fault protected breakers per NEC Article 210.12.  
 EF-1 shall be wired for continuous power at low speed and switched with lights for high speed.

Panel Totals	
<b>Total Conn. Load:</b>	21986 VA
<b>Total Est. Demand:</b>	16422 VA
<b>Total Conn.:</b>	92 A
<b>Total Est. Demand:</b>	68 A

### Branch Panel: TP-J

Location: BED RM 1 J106  
 Supply From:  
 Mounting: Recessed  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating:  
 Mains Type:  
 Mains Rating: 100 A  
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	Lighting Kitchen, Living, Bathroom	20 A	1	700 VA	684 VA		1	20 A	Lighting Bedrooms, Bathroom, Storage	2
3	Living Room Receptacles	20 A	1		540 VA	540 VA	1	20 A	Kitchen Island Receptacles	4
5	Refrigerator Receptacle	20 A	1	960 VA	180 VA		1	20 A	Kitchen Counter Receptacle	6
7	Gas Range Receptacle	20 A	1		1000 VA	1200 VA	1	20 A	Microwave Hood Receptacle	8
9	Kitchen Counter Receptacles	20 A	1	360 VA	840 VA		1	20 A	Disposal	10
11	Dishwasher	20 A	1		840 VA	900 VA	1	20 A	Living Room Receptacles	12
13	Exterior Receptacles	20 A	1	360 VA	720 VA		1	20 A	Bedroom Receptacles	14
15	Bathroom Receptacle	20 A	1		180 VA	960 VA	1	20 A	Washing Machine Receptacle	16
17	Electric Dryer Receptacle	30 A	2	5700 VA	180 VA		1	20 A	Bathroom Receptacle	18
19	Bathroom Fans, CP-1, Mech Rm Receptacle	20 A	1	285 VA	1800 VA		1	20 A	Bedroom Receptacles	20
21					0 VA	720 VA	1	20 A	Boiler B-1	22
23										24
25										26
27										28
29										30
				<b>Total Load:</b>	12769 VA			6880 VA		
				<b>Total Amps:</b>	106 A			57 A		

Notes:

Provide arc fault protected breakers per NEC Article 210.12.  
 EF-1 shall be wired for continuous power at low speed and switched with lights for high speed.

Panel Totals	
<b>Total Conn. Load:</b>	19649 VA
<b>Total Est. Demand:</b>	14841 VA
<b>Total Conn.:</b>	82 A
<b>Total Est. Demand:</b>	62 A

### Branch Panel: HP

Location: STOR K108  
 Supply From:  
 Mounting: Surface  
 Enclosure:

Volts: 120/240 Single  
 Phases: 1  
 Wires: 3

A.I.C. Rating:  
 Mains Type:  
 Mains Rating: 100 A  
 MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	LCA - Site Pole Lighting	20 A	1	219 VA	251 VA		1	20 A	LCA - Bldgs A & B Wall Lights	2
3	LCA - Bldgs C & D Wall Lights	20 A	1		251 VA	1800 VA	1	20 A	FACP	4
5	Building D Future Radon Fans	20 A	1	480 VA	480 VA		1	20 A	Building C Future Radon Fans	6
7	Building B Future Radon Fans	20 A	1		480 VA	480 VA	1	20 A	Building A Future Radon Fans	8
9	Building A Heat Trace	20 A	1	1000 VA	1000 VA		1	20 A	Building A Heat Trace	10
11	Building B Heat Trace	20 A	1		1000 VA	1000 VA	1	20 A	Building B Heat Trace	12
13	Building C Heat Trace	20 A	1	1000 VA	1000 VA		1	20 A	Building C Heat Trace	14
15	Building D Heat Trace	20 A	1		1000 VA	1000 VA	1	20 A	Building D Heat Trace	16
17										18
19										20
21										22
23										24
				<b>Total Load:</b>	5430 VA			7011 VA		
				<b>Total Amps:</b>	45 A			58 A		

Notes:

Provide arc fault protected breakers per NEC Article 210.12.  
 EF-1 shall be wired for continuous power at low speed and switched with lights for high speed.

Panel Totals	
<b>Total Conn. Load:</b>	12441 VA
<b>Total Est. Demand:</b>	12621 VA
<b>Total Conn.:</b>	52 A
<b>Total Est. Demand:</b>	53 A



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