



1 REVISED ELECTRICAL POWER RISER DIAGRAM
SCALE: 3/16" = 1'-0"

PANEL - "HP1"

MOUNTING SURFACED
SHORT CIRCUIT RATING 10kVAC
POLES 40
FED FROM PANEL 600A MAIN 2 OF 2

120/240VAC, 1Ø, 3W VOLTAGE
200 MAIN BUS AMPS
200 MAIN BREAKER AMPS
SQUARE D MANUFACTURER

CKT	LOAD	POLE	TRIP	WIRE	CONDUIT	LOAD	LOAD	CONDUIT	WIRE	TRIP	POLE	LOAD	CKT
1	Server Rm Recept	1	20	12	1/2	1800	1440	1/2	12	20	1	Control Rm Recept	2
3	Audio Rm Recept	1	20	12	1/2	1440	1170	1/2	12	20	1	Control Rm Recept	4
5	Control Rm Recept	1	20	12	1/2	1260	1440	1/2	12	20	1	TV Rm Recept	6
7	W Lights/Emergency/Exit	1	20	12	1/2	1300	1100	1/2	12	20	1	NE Lights	8
9	Hall Recept	1	15	14	1/2	240	800	1/2	12	20	1	SE Lights	10
11	Storage Rm Recept	1	20	12	1/2	1260	440	1/2	14	15	1	Studio Lights/Emergency/Exit	12
13	NE Recept	1	20	12	1/2	900	180	1/2	12	20	1	Bathroom GFCI	14
15	Coffee Machine	1	20	12	1/2	1000	1800	1/2	12	20	1	Outside Lights	16
17	Microwave	1	20	12	1/2	1200	180	1/2	12	20	1	Outside GFCI	18
19	Mini Split	2	20	12	1/2	1500	0					Space	20
21	Space					0						Space	22
23	Space					0						Space	24
25	Space					0						Space	26
27	Space					0						Space	28
29	Space					0						Space	30
31	Space					0						Space	32
33	Space					0						Space	34
35	Space					0						Space	36
37	Space					0						Space	38
39	Space					0						Space	40
						11900	8250						
TOTAL LOAD						20150	VA						
AMPS						84	A						

2 PANEL SCHEDULE

CONNECTED LOAD		DEMAND LOAD	
Total General-Purpose Receptacle (R) Load	180VA/vea	25.4 kVA	17.7 kVA
Total Specific Purpose	46 kVA	0.3 kVA	46 kVA
Largest Motor	0.3 kVA	14.4 kVA	0.4 kVA
Lighting Load at 125%	64.7 kVA	64.7 kVA	64.7 kVA
HVAC Load	159 kVA	151 kVA	151 kVA
Total Connected Load	382 Amps	360 Amps	360 Amps
Total Amps at 120/240V 3Ø, 4W			

NOTES:
EXISTING 600A SERVICE TO REMAIN. REMODELING OF FIRST FLOOR

PANEL - "HP2"

MOUNTING SURFACED
SHORT CIRCUIT RATING 10kVAC
POLES 20
FED FROM PANEL 600A MAIN 2 OF 2

120/240VAC, 1Ø, 3W VOLTAGE
150 MAIN BUS AMPS
150 MAIN BREAKER AMPS
SQUARE D MANUFACTURER

CKT	LOAD	POLE	TRIP	WIRE	CONDUIT	LOAD	LOAD	CONDUIT	WIRE	TRIP	POLE	LOAD	CKT
1	AHU - 1/Strip	2	40	8	1	6656	7872	1	6	50	2	ACU - 1	2
3													4
5	AHU - 2/Strip	2	40	8	1	6104	5840	1	8	40	2	AHU - 3/Strip	6
7													8
9	ACU - 2	2	60	6	1	8236	6336	1	6	50	2	ACU - 3	10
11													12
13	Space											Space	14
15	Space											Space	16
17	Space											Space	18
19	Space											Space	20
						20996	20048						
TOTAL LOAD						41044	VA						
AMPS						108	A						

3 PANEL SCHEDULE

PANEL - "E"

MOUNTING SURFACED
SHORT CIRCUIT RATING 10kVAC
POLES 24
FED FROM PANEL 600A MAIN 2 OF 2

120/240VAC, 1Ø, 3W VOLTAGE
125 MAIN BUS AMPS
125 MAIN BREAKER AMPS
SQUARE D MANUFACTURER

CKT	LOAD	POLE	TRIP	WIRE	CONDUIT	LOAD	LOAD	CONDUIT	WIRE	TRIP	POLE	LOAD	CKT
1	Server Rack 1	1	20	12	1/2	1800	1800	1/2	12	20	1	Server Rack 2	2
3	Server Rack 3	1	20	12	1/2	1800	1800	1/2	12	20	1	Server Rack 4	4
5	Server Rack 5	1	20	12	1/2	1800	1800	1/2	12	20	1	Server Rack 6	6
7	Server Rack 7	1	20	12	1/2	1800	1800	1/2	12	20	1	Server Rack 8	8
9	Server Rack 9	1	20	12	1/2	1800	1800	1/2	12	20	1	Server Rack 10	10
11	Space					0	0					Space	12
13	Space					0	0					Space	14
15	Space					0	0					Space	16
17	Space					0	0					Space	18
19	Space					0	0					Space	20
21	Space					0	0					Space	22
23	Space					0	0					Space	24
						9000	9000						
TOTAL LOAD						18000	VA						
AMPS						75	A						

4 PANEL SCHEDULE

PANEL - "SP-1"

MOUNTING SURFACED
SHORT CIRCUIT RATING 10kVAC
POLES 42
FED FROM PANEL 200A MAIN 1 OF 2

120/240VAC, 1Ø, 3W VOLTAGE
150 MAIN BUS AMPS
150 MAIN BREAKER AMPS
SIEMENS MANUFACTURER

CKT	LOAD	POLE	TRIP	WIRE	CONDUIT	LOAD	LOAD	CONDUIT	WIRE	TRIP	POLE	LOAD	CKT
1	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	2
3	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	4
5	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	6
7	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	8
9	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	10
11	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	12
13	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	14
15	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	16
17	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	18
19	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	20
21	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	22
23	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	24
25	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	26
27	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	28
29	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	30
31	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	32
33	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	34
35	Drop TV Recept	1	20	12	1/2	180	180	1/2	12	20	1	Drop TV Recept	36
37	South Lights	1	20	12	1/2	540	630	1/2	12	20	1	North Lights	38
39	Gen Recept	1	20	12	1/2	1440		1/2	12	20	1		40
41													42
						5220	180						
TOTAL LOAD						5400	VA						
AMPS						22.5	A						

5 PANEL SCHEDULE

PLAN NOTES

1	EXISTING 600A SERVICE
2	EXISTING SERVICE TO REMAIN
3	SERVICE SPLITTER TO REMAIN
4	EXISTING SERVICE TO REMAIN
5	EXISTING MAIN DISC TO REMAIN
6	EXISTING SERVICE TO REMAIN
7	EXISTING MAIN DISC TO REMAIN
8	NEW 2"C-3#1, 1#6G
9	NEW 20KVA UPS
10	NEW 2"C-3#3/0, 1#6G
11	NEW 2"C-3#1/0, 1#6G
12	EXISTING FEEDERS TO REMAIN
13	EXISTING DISCONNECT TO REMAIN
14	EXISTING FEEDERS TO REMAIN
15	EXISTING SERVER RACK TO REMAIN
16	EXISTING FEEDERS TO REMAIN
17	EXISTING FEEDERS TO REMAIN
18	EXISTING PANEL TO REMAIN
19	EXISTING FEEDERS TO REMAIN
20	EXISTING PANEL TO REMAIN
21	EXISTING DISCONNECT TO REMAIN
22	EXISTING FEEDERS TO REMAIN
23	EXISTING PANEL TO REMAIN
24	EXISTING FEEDERS TO REMAIN
25	EXISTING FEEDERS TO REMAIN
26	EXISTING PANEL TO REMAIN
27	EXISTING FEEDERS TO REMAIN
28	EXISTING DISCONNECT TO REMAIN
29	NEW 2"C-3#1/0, 1#6G
30	NEW 150A DISCONNECT
31	NEW 2"C-3#1/0, 1#6G
32	NEW 150A PANEL SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION
33	NEW 2"C-3#1, 1#6G

DATE

10/10/2022

11/04/2022

12/23/2022

01/27/2023

ISSUE

1. CITY OF MIAMI COMMENTS

2. CITY OF MIAMI COMMENTS

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DATE
11/04/2022

SHEET
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