

PANEL: EXISTING HOUSE PANEL (H-1)
 LOCATION: SOUTHEAST REAR BUILDING
 FEEDER SOURCE: ENTERY

VOLTAGE: 208/120V, 200A, 1%
 ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR

NO.	TYPE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)	POLE	AMPS	LOAD DESCRIPTION	TYPE	NO.
1	#12	SUITE ENTRANCE ONLY LIGHTS	20	1	1800	1	20	SUITE ENTRANCE CHANGE LIGHTS	#12	2
3	#12	RECEPTION OFF. ONLY LIGHTS & REAR EXT. LIGHTS SUITE 2	20	1	1800	1	20	REAR EXT. LIGHTS SUITE 2	#12	4
5	#12	MECHANICAL THREE LAMPS 1A	20	1	720	1	20	REAR EXT. RECEPTACLES	#12	6
7	#12	REAR EXT. RECEPTACLES	20	1	800	1	20	REAR EXTENSION RECEPTACLES	#12	8
9	#12		20	1	-	1	20			10
11	#12		20	1	-	1	20			12
13	#12		20	1	-	1	20			14
15	#12		20	1	-	1	20			16
17	#12		20	1	-	1	20			18
19	#12		20	1	-	1	20			20
21	#12		20	1	-	1	20			22
23	#12		20	1	-	1	20			24
25	#12		20	1	-	1	20			26
27	#12		20	1	-	1	20			28
29	#12		20	1	-	1	20			30
TOTAL CONNECTED LOAD (VA)					4800	TOTAL CONNECTED LOAD (VA)				
SOLID WIRE (VA)					4800	SOLID WIRE (VA)				
SCHEDULE WIRE (VA)					4800	SCHEDULE WIRE (VA)				

PANEL: TYPICAL FOR SUITES 2, 3 & 4 (PH-2, 3, & 4)
 LOCATION: FINISH TOWER ROOM WALL
 FEEDER SOURCE: ENTERY

VOLTAGE: 208/120V, 200A, 1%
 ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR

NO.	TYPE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)	POLE	AMPS	LOAD DESCRIPTION	TYPE	NO.
1	#0	A/C (estimated 3 TONS)	60	2	8000	2	60	AHU (estimated) 10 KW	#4	3
3	#0	20 GAL. WATER HEATER	20	2	4800	2	20	SUITE LIGHTING	#12	5
5	#10	20 GAL. WATER HEATER	20	2	4800	2	20	SUITE LIGHTING	#12	7
7	#12	SUITE RECEPT. (SUITE 7 ONLY)	20	1	1400	1	20	SUITE RECEPTACLES	#12	9
9	#12	RECEPTION	20	1	1800	1	20	RECEPTION	#12	11
11	#12	RECEPTION	20	1	1800	1	20	RECEPTION	#12	13
13	#12	ALL BATH / EXT LIGHT	20	1	100	1	20	(GROUP) BATH RECL. & LIGHT	#12	15
15	#12	AHU LIGHT ABOVE DECK	20	1	100	1	20		#12	17
17	#12		20	1	-	1	20			19
19	#12		20	1	-	1	20			21
21	#12		20	1	-	1	20			23
23	#12		20	1	-	1	20			25
25	#12		20	1	-	1	20			27
27	#12		20	1	-	1	20			29
29	#12		20	1	-	1	20			30
TOTAL CONNECTED LOAD (VA)					4800	TOTAL CONNECTED LOAD (VA)				
SOLID WIRE (VA)					4800	SOLID WIRE (VA)				
SCHEDULE WIRE (VA)					4800	SCHEDULE WIRE (VA)				

PANEL: SUITES 5 (PH-5)
 LOCATION: EVIDENCE FILE ROOM WALL
 FEEDER SOURCE: ENTERY

VOLTAGE: 208/120V, 200A, 1%
 ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR

NO.	TYPE	LOAD DESCRIPTION	AMPS	POLE	LOAD (VA)	POLE	AMPS	LOAD DESCRIPTION	TYPE	NO.
1	#0	A/C (estimated 3 TONS)	60	2	8000	2	60	AHU (estimated) 10 KW	#4	3
3	#10	20 GAL. WATER HEATER	20	2	4800	2	20	DESTROYING SOLID/EXT. LAMINATE	#12	5
5	#10	20 GAL. WATER HEATER	20	2	4800	2	20	DESTROYING SOLID/EXT. LAMINATE	#12	7
7	#12	DESTROYING SOLID/EXT. LAMINATE	20	1	1800	1	20	DESTROYING SOLID/EXT. LAMINATE	#12	9
9	#12	AHU RECEPT. ABOVE DECK	20	1	100	1	20	DESTROYING SOLID/EXT. LAMINATE	#12	11
11	#12	AHU RECEPT. ABOVE DECK	20	1	100	1	20	DESTROYING SOLID/EXT. LAMINATE	#12	13
13	#12	AHU RECEPT. ABOVE DECK	20	1	100	1	20	DESTROYING SOLID/EXT. LAMINATE	#12	15
15	#12	DESTROYING SOLID/EXT. LAMINATE	20	1	1120	1	20	DESTROYING SOLID/EXT. LAMINATE	#12	17
17	#12	DESTROYING SOLID/EXT. LAMINATE	20	1	1120	1	20	DESTROYING SOLID/EXT. LAMINATE	#12	19
19	#12		20	1	-	1	20			21
21	#12		20	1	-	1	20			23
23	#12		20	1	-	1	20			25
25	#12		20	1	-	1	20			27
27	#12		20	1	-	1	20			29
29	#12		20	1	-	1	20			30
TOTAL CONNECTED LOAD (VA)					4800	TOTAL CONNECTED LOAD (VA)				
SOLID WIRE (VA)					4800	SOLID WIRE (VA)				
SCHEDULE WIRE (VA)					4800	SCHEDULE WIRE (VA)				

ELECTRICAL LOAD SUMMARY - 800A SERVICE

LOAD SOURCE	10-KVA	30-KVA	OR	10-KW	30-KW
BUILDING LIGHTING	26.5K				
ELECTRIC WATER HEATING	31.5K				
HEAT PUMP	105K				
SUBSTITUTIONAL HEAT SYSTEM					
AIR CONDITIONING		105K			
ELECTRIC HEATING (CIRCLE - PRIMARY/SECONDARY)					
COOKING	7K				
RECEPTION (STANDARD)	10.5K				
RECEPTION (COMPUTER)	33.1K				
TOTAL (INCLUDES TRAVEL)					
PARKING LOT / EXTERIOR LIGHTING	5.7K				
WISCHLAUBS					
OTHER (SPECIFY)					
TOTAL		324.3K			

PANEL: SUITES 6 (PH-6)
 LOCATION: MARQUETS SOLID ROOM WALL
 FEEDER SOURCE: ENTERY

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1	#0	A/C (estimated 3 TONS)	60	2	8000	2	60	AHU (estimated) 10 KW	#4	4
3	#10	20 GAL. WATER HEATER	20	2	4800	2	20	REAR EXT. RECEPTACLES	#12	6
5	#10	20 GAL. WATER HEATER	20	2	4800	2	20	REAR EXT. RECEPTACLES	#12	8
7	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	10
9	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	12
11	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	14
13	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	16
15	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	18
17	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	20
19	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	22
21	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	24
23	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	26
25	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	28
27	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	30
29	#12	REAR EXT. RECEPTACLES	20	1	1800	1	20	REAR EXTENSION RECEPTACLES	#12	30
TOTAL CONNECTED LOAD (VA)					4800	TOTAL CONNECTED LOAD (VA)				
SOLID WIRE (VA)					4800	SOLID WIRE (VA)				
SCHEDULE WIRE (VA)					4800	SCHEDULE WIRE (VA)				

PANEL: SUITES 5 (PH-5)
 LOCATION: FINISH TOWER ROOM WALL
 FEEDER SOURCE: ENTERY

VOLTAGE: 208/120V, 200A, 1%
 ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GND BAR

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 LOCATION: EVIDENCE FILE ROOM WALL
 FEEDER SOURCE: ENTERY

VOLTAGE: 208/120V, 200A, 1%
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23	#12		20	1	-	1	20			25
25	#12		20	1	-	1	20			27
27	#12		20	1	-	1	20			29
29	#12		20	1	-	1	20			30
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ELECTRICAL SERVICE DETAIL (SOUTH ELEVATION)

