

PANEL: LP
 LOCATION: RM 124
 FEEDER SOURCE: DISCONNECT

VOLTAGE: 120/240V, 400A 1 ϕ , 3W
 ENCLOSURE: SURFACE MOUNTED; MLO;
 W/EQUIPMENT GND BAR; 22,000 AIC

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER		LOAD (VA)	A ϕ B ϕ		LOAD (VA)	BREAKER		LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
			AMP	POLE					POLE	AMP			
1	#12	RECEPTION RECEPTACLES	20	1	1,000			1,120	1	20	YOGA ROOM & CORRIDOR RECEPTACLES	#12	2
3	#12	RECEPTION RECEPTACLES	20	1	1,000			1,280	1	20	WOMENS RESTROOM AND SHOWER RECEPTACLES	#12	4
5	#12	MECHANICAL, STAFF RESTROOM,	20	1	800			960	1	20	HALL AND VESTIBLE RECEPTACLES	#12	6
7	#12	APRILAIRE DEHUMIDIFIER 1770	20	1	1,680			1,280	1	20	MENS RESTROOM AND SHOWER	#12	8
9	#12	ELECTRONIC STAND ALONE CONTROLLER	20	1	1,800			1,800	1	20	LAUNDRY RECEPTACLES	#12	10
11	#12	RETAIL & LOUNGE RECEPTACLES	20	1	1,600			500	1	20	TIME SWITCH AND SENSORS	#12	12
13	#12	LOUNGE, STAFF RESTROOM, HALL AND VESTIBLE RECESSED, STRIP, & PENDANT LIGHTING	20	1	570			658	1	20	WOMENS, MENS RESTROOMS, CORRIDOR RECESSED LIGHTING, LAUNDRY, MATS, MECH. & STAIR LIGHTS.	#12	14
15	#12	RETAIL TRACK LIGHTS	20	1	1,100			1,300	1	20	EMERGENCY EXIT LIGHTS	#12	16
17	#12	STAIRS, WALL-MOUNTED FLOURESCENT LIGHTS AND EXTERIOR LIGHTS	20	1	1224			1,426	1	20	WOMENS AND MENS SHOWER RECESSED LIGHTING	#12	18
19	#12	YOGA FLOURESCENT LIGHTS	20	1	1,206			1,688	1	20	YOGA FLOURESCENT LIGHTS	#12	20
21	#12	YOGA FLOURESCENT LIGHTS	20	1	1,688			1,688	1	20	YOGA FLOURESCENT LIGHTS	#12	22
23	#12	MENS, WOMENS, AND STAFF RESTROOM FAN LIGHTS & SINK LIGHTS	20	1	340			3,120	2	40	SK306 STEAM HUMIDIFIER 6 KW	#10	24
25	#12	YOGA ROOM JUNCTION BOXES	20	1	640			3,120	2	40	SK306 STEAM HUMIDIFIER 6 KW	#10	26
27	#10	DRYER #1	30	2	3,600			3,600	2	30	DRYER #2	#10	28
29	#10		30	2	3,600			3,600	2	30		#10	30
31	#2	AHU #1 5-TON (15KW HEAT)	100	2	13,128			-	1	20	SPARE		32
33	#2		100	2	13,128			-	1	20	SPARE		34
35	#2	AHU #2 5-TON (15KW HEAT)	100	2	13,128			-	1	20	SPARE		36
37	#2		100	2	13,128			-	1	20	SPARE		38
39	#12	AHU #3 5-TON (GAS HEAT ONLY)	15	2	660			2,300	2	100	SUB PANEL	#2	40
41	#12		15	2	660			1,690	2	100		#2	42
					TOTAL CONNECTED LOAD (VA) = 106,810								
					A ϕ =54,300								
					B ϕ =52,510								
											GROUND BUS		
											GROUND WIRE (G)		