FILE NAME: J:\~ Commercial\Prestige Fitness Gym Diamond Head\Drawings\Working Drawings\21 - E103 - Elec Panel Sched.dwg PLOT DATE & TIME: Tuesday, July 5, 2022 4:07:59 PM

PANEL SCHEDULE

PANEL: PP 1
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: UTILITY TRANSFORMER
AIC = 42,000
VOLTAGE: 208/120V, 800A, 3Φ, 4W MAIN BREAKER
ENCLOSURE: W/ EQUIPMENT GND BAR, SQUARE D, QED-2 SWITCHBOARD WITH MAIN BREAKER AND I-LINE PANEL

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1					11240	10530					2
3	#4/0	PANEL "PP2"	200	3	11960	10700	3	200	PANEL "PP3"	#4/0	4
5					10340	10880					6
7					7150	12000					8
9	#4/0	PANEL "PP4"	200	3	7450	12000	3	200	PANEL "PP5" POOL EQUIPMENT	#4/0	10
11					6430	12000					12
13					30410	1200	2	30	MINI SPLIT 1	#10	14
15	#4/0	TENANT PANELS "PP6" AND "PP7"	200	3	27570	1200					16
17					28840	2400	2	30	50 GALLON WATER HEATER MALE LOCKER ROOM	#10	18
19						2400					20
21		PREPARED SPACE		3		2400	2	30	50 GALLON WATER HEATER MALE LOCKER ROOM	#10	22
23						2400					24
25					5000	4040					26
27	#4	AIR HANDLING UNIT AHU-1	70	3	5000	4040	3	100	CONDENSER UNIT CU-1	#2	28
29					5000	4040					30
31					2500	3000					32
33	#8	AIR HANDLING UNIT AHU-2	50	3	2500	3000	3	50	CONDENSER UNIT CU-2	#4	34
35					2500	3000					36
37					1900	850					38
39	#8	AIR HANDLING UNIT AHU-4	50	3	1900	850	3	2	CONDENSER UNIT CU-4	#12	40
41					1900	850					42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 273,370
AΦ = 92,220 | BΦ = 90,570 | CΦ = 90,580
GROUND BUS / GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP 2
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL PP1 #1/3/5
AIC = 42,000
VOLTAGE: 208/120V, 200A, 3Φ, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	2
3	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	4
5	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	6
7	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	8
9	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	10
11	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	12
13	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	14
15	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	16
17	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	18
19	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	20
21	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	22
23	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	24
25	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	26
27	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	28
29	#12	RECEPTACLE, GYM FLOOR, LEFT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, LEFT SIDE	#12	30
31	#12	RECEPTACLES, EQUIP RM, JANITOR CLOSET, RESTROOMS	20	1	1080	1080	1	20	RECEPTACLES, SPA ROOM 1 AND CORRIDOR	#12	32
33	#12	RECEPTACLES, BACK WALL OF GYM FLOOR	20	1	1440	1440	1	20	RECEPTACLES, SPA ROOM 2, SPA ROOM 3 AND CORRIDOR	#12	34
35	#12	RECEPTACLES, POOL AREA	20	1	1440	180	1	20	DEDICATED RECEPTACLE, OFFICE	#12	36
37	#12	RECEPTACLES, MALE LOCKER ROOM	20	1	900	180	1	20	DEDICATED RECEPTACLE, RECEPTION COUNTER	#12	38
39	#12	RECEPTACLES, FEMALE LOCKER ROOM	20	1	900	180	1	20	DEDICATED RECEPTACLE, RECEPTION COUNTER	#12	40
41	#12	RECEPTACLES, OFFICE	20	1	540	180	1	20	DEDICATED RECEPTACLE, RECEPTION COUNTER	#12	42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 33,540
AΦ = 11,240 | BΦ = 11,960 | CΦ = 10,340
GROUND BUS / GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP 3
LOCATION: ELECTRICALROOM
FEEDER SOURCE: PANEL PP1 #2/4/6
AIC = 42,000
VOLTAGE: 208/120V, 200A, 3Φ, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	2
3	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	4
5	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	6
7	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	8
9	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	10
11	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	12
13	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	14
15	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	16
17	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	18
19	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	20
21	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	22
23	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	24
25	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	26
27	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	28
29	#12	RECEPTACLE, GYM FLOOR, PIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	30
31	#12	RECEPTACLES, PHYSICAL THERAPY	20	1	1260	180	1	20	DEDICATED RECEPTACLE, PHYSICAL THERAPY	#12	32
33	#12	RECEPTACLES, TREATMENT ROOMS 1 AND 2	20	1	1440	180	1	20	DEDICATED RECEPTACLE, PHYSICAL THERAPY	#12	34
35	#12	RECEPTACLES, PHYSICAL THERAPY LOBBY AND CORRIDOR	20	1	1260	180	1	20	DEDICATED RECEPTACLE, PHYSICAL THERAPY	#12	36
37	#12	RECEPTACLES, SPA WAITING	20	1	900	180	1	20	DEDICATED RECEPTACLE, PHYSICAL THERAPY	#12	38
39	#12	RECEPTACLES, PORTE COCHERE LEFT SIDE	20	1	900	180	1	20	DEDICATED RECEPTACLE, PHYSICAL THERAPY	#12	40
41	#12	RECEPTACLES, PORTE COCHERE RIGHT SIDE	20	1	900	540	1	20	RECEPTACLES, RECEPTION	#12	42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 32,100
AΦ = 10,530 | BΦ = 10,700 | CΦ = 10,880
GROUND BUS / GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP 4
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL PP1 #7/9/11
VOLTAGE: 208/120V, 200A, 3Φ, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTING, REAR OF BUILDING	20	1	900	400	1	20	CEILING FANS, REAR OF BUILDING	#12	2
3	#12	LIGHTING, EQUIPMENT ROOM AND RESTROOMS	20	1	900	1650	1	20	LIGHTING AND CEILING FANS, GYM FLOOR LEFT SIDE	#12	4
5	#12	LIGHTING, POOL AREA	20	1	900	1650	1	20	LIGHTING AND CEILING FANS, GYM FLOOR RIGHT SIDE	#12	6
7	#12	LIGHTING, PORTE COCHERE	20	1	1700	1650	1	20	LIGHTING, RECEPTION AREA	#12	8
9	#10	PARKING LOT LIGHTING NORTH	20	1	700	1000	1	20	LIGHTING, PHYSICAL THERAPY	#12	10
11					700	800	1	20	LIGHTING, PHYSICAL THERAPY RECEPTION AND TRATMENT	#12	12
13	#12	LIGHTING, FEMALE LOCKER ROOM	20	1	1500	1000	1	20	LIGHTING, SPA WAITING ROOM, SPA ROOM 3 AND CORRIDOR	#12	14
15	#12	LIGHTING, MALE LOCKER ROOM	20	1	1500	1000	1	20	LIGHTING, SPA ROOM 1, SPA ROOM 2 AND CORRIDOR	#12	16
17	#12	EXHAUST FAN, LOCKER ROOMS	20	1	1500	180	1	20	RECEPTACLE, CORRIDOR	#12	18
19		SPARE	20	1			1	20	SPARE		20
21	#10	PARKING LOT LIGHTING	20	1	700	1500	2	30	ON DEMAND WATER HEATER	#10	22
23					700	1500					24
25		SPARE	20	1		1500	2	30	ON DEMAND WATER HEATER	#10	26
27		SPARE	20	1		1500					28
29		SPARE	20	1			1	20	SPARE		30
31						1500	2	30	ON DEMAND WATER HEATER	#10	32
33						1500					34
35											36
37											38
39											40
41											42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 24,030
AΦ = 7,150 | BΦ = 8,950 | CΦ = 7,930
GROUND BUS / GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP 5
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL PP1 #8/10/12
VOLTAGE: 208/120V, 200A, 3Φ, 4W W/MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1											2
3											4
5											6
7											8
9											10
11											12
13											14
15											16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42

SOLID NEUTRAL / NEUTRAL WIRE (W)
TOTAL CONNECTED LOAD (VA) = 12,000
AΦ = 12,000 | BΦ = 12,000 | CΦ =12,000
GROUND BUS / GROUND WIRE (G)

DEDICATED PANEL FOR POOL EQUIPMENT
BREAKERS SHALL BE DETERMINED BY
EQUIPMENT SUPPLIER

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REVISIONS

#	DESCRIPTION	DATE

SEAL:
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LICENSED PROFESSIONAL ENGINEER
20971
07-05-2022
STATE OF MISSISSIPPI

NEW ATHLETIC CLUB
PRESTIGE FITNESS CLUB AND SPA
4422 KALANI DRIVE
HANCOCK COUNTY, MISSISSIPPI

JOB No: | DATE: 06-29-2022
DRAWN BY: AP | CHECKED BY: BAM

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SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:
E103

SHEET No: 21 of 22