PANEL SCHEDULE

PANEL: PP 1
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: UTILITY TRANSFORMER
AIC = 42,000
VOLTAGE: 208/120V, 500A, 3Ø, 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	#4/0	PANEL "PP2"	200	3	11240	10930	3	200	PANEL "PP3"	#4/0	2
3					11480	10700					4
5					10340	10880					6
7	#4/0	PANEL "PP4"	200	3	7150	12000	3	200	PANEL "PP5" POOL EQUIPMENT	#4/0	8
9					7480	12000					10
11					6430	12000					12
13	#4/0	TENANT PANELS "PP6" AND "PP7"	200	3	30410	1200	2	30	MINI SPLIT 1	#10	14
15					27570	1200					16
17					28040	2400	2	30	50 GALLON WATER HEATER MALE LOCKER ROOM	#10	18
19		PREPARED SPACE		3		2400					20
21						2400	2	30	50 GALLON WATER HEATER MALE LOCKER ROOM	#10	22
23						2400					24
25	#4	AIR HANDLING UNIT AHU-1	70	3	5000	4040	3	100	CONDENSER UNIT CU-1	#2	26
27					5000	4040					28
29					5000	4040					30
31	#8	AIR HANDLING UNIT AHU-2	50	3	2500	3000	3	50	CONDENSER UNIT CU-2	#4	32
33					2500	3000					34
35					2500	3000					36
37	#8	AIR HANDLING UNIT AHU-4	50	3	1400	850	3	2	CONDENSER UNIT CU-4	#12	38
39					1400	850					40
41					1400	850					42

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 213,370

AØ = 92,220 | BØ = 90,570 | CØ = 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, 3Ø, 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 (N)

TOTAL CONNECTED LOAD (VA) = 33,540

AØ = 11,240 | BØ = 11,460 | CØ = 10,840

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, 3Ø, 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, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	2
3	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	4
5	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	6
7	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	8
9	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	10
11	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	12
13	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	14
15	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	16
17	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	18
19	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	20
21	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	22
23	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	24
25	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	26
27	#12	RECEPTACLE, GYM FLOOR, RIGHT SIDE	20	1	800	800	1	20	RECEPTACLE, GYM FLOOR, RIGHT SIDE	#12	28
29	#12	RECEPTACLE, GYM FLOOR, RIGHT 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 (N)

TOTAL CONNECTED LOAD (VA) = 32,100

AØ = 10,930 | BØ = 10,700 | CØ = 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, 3Ø, 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	400	400	1	20	CEILING FANS, REAR OF BUILDING	#12	2
3	#12	LIGHTING, EQUIPMENT ROOM AND RESTROOMS	20	1	400	1650	1	20	LIGHTING AND CEILING FANS, GYM FLOOR LEFT SIDE	#12	4
5	#12	LIGHTING, POOL AREA	20	1	400	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 TREATMENT	#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 (N)

TOTAL CONNECTED LOAD (VA) = 24,030

AØ = 7,150 | BØ = 8,450 | CØ = 7,430

GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP 5
LOCATION: ELECTRICAL ROOM
FEEDER SOURCE: PANEL PP1 #8/10/12
VOLTAGE: 208/120V, 200A, 3Ø, 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 (N)

TOTAL CONNECTED LOAD (VA) = 12,000

AØ = 12,000 | BØ = 12,000 | CØ =12,000

GROUND BUS GROUND WIRE (G)

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

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
Chief Engineer: Brian Mistich, PE
SEAL Contact: Jason Hall
Slidell, LA 70458
PH: 985.649.5832

REVISIONS

#	DESCRIPTION	DATE

SEAL:

Missing or in
File: R:\Stan
Sheet: 1

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

JOB No:
DRAWN BY: AP
DATE: 06-13-2022
CHECKED BY: BAM

THIS DRAWING AND SPECIFICATION, WHICH ARE AN INSTRUMENT OF SERVICE, IS HERE BY RESERVED AS THE PROPERTY OF DAMMON ENGINEERING, AND WAS PREPARED FOR USE ON THE PROJECT NAMED HEREON. THE REPRODUCTION, ALTERATION OR REPUBLICATION OF THIS DRAWING WITHOUT WRITTEN CONSENT OF DAMMON ENGINEERING IS PROHIBITED. ANY EXISTING OR UNPUBLISHED RIGHTS ARE HEREBY RESERVED.

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:
E103

SHEET No: 21 of 22

FILE NAME: J:_Commercial\Prestige Fitness Gym Diamond Head\Drawings\Working Drawings\E1 - E103 - Elec Panel Schedules, PLOT DATE & TIME: Monday, June 20, 2022 8:54:50 AM