



In association with:
Project No. 150-18

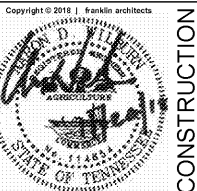


CCS Gym Expansion + Spirit Store
for



3354 Charger Dr.
Chattanooga, TN 37409

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CONSTRUCTION DOCUMENTS

Revisions		
No.	Issue	Date

Sheet Information		
Date	11.26.2018	
Job No.	6774.3 / 6774.4	

Title

ELECTRICAL

SCHEDULES & DIAGRAMS

Sheet

E300

PANEL:		EXISTING CONCESSIONS PANEL "CP"		VOLTAGE:		120/208V, 1PH, 3W					
LOCATION:		CONCESSIONS STAND		MINIMUM BUS:		125					
MOUNTING:		SURFACE		MAIN:		MLO					
				MINIMUM AIC:							
NO.	LOAD	TYPE	LOAD DESCRIPTION	BREAKER POLE TRIP	BUS A B C	BREAKER TRIP POLE	TYPE	LOAD DESCRIPTION	LOAD A B C	NO.	
1	300	R	CONCESSIONS RECEIPT	1 20	*	20	1	L	CONCESSIONS RECEIPT	200	2
3	300	R	CONCESSIONS RECEIPT	1 20	*	20	1	M	CONCESSIONS RECEIPT	200	4
5	300	R	CONCESSIONS RECEIPT	1 20	*	20	1		SPARE	200	6
7	100	R	CONCESSIONS RECEIPT	1 20	*	20	1		SPARE	200	8
9			SPARE	1 20	*	20	1		SPARE	200	10
11	3744	M	HP-1	3 50	*	30	2	E	WATER HEATER	2700	12
13	3744	M	HP-1	3 50	*	30	2	E	WATER HEATER	2700	14
15	1488	E	BLEACHERS	3 20	*	30	2	E		2700	16
17	1488	E	BLEACHERS	3 20	*	30	2	E		2700	18
19										20	20
21										22	22
23										24	24

LOAD TYPE	PANEL TOTAL	FEED THRU TOTAL	SUBFEED TOTAL	FEEDER SUBTOTAL	DEMAND	FEEDER TOTAL
(A) LIGHTING	1440		1440	1440	125%	1800
(B) RECEPTACLES	1400		1400	1400	NEC 250	1400
(C) SPARE	0		0	0	20%	0
(M) LARGEST MOTOR	0		0	0	100%	0
(N) MOTORS (ALL)	0		0	0	100%	0
(E) EQUIPMENT	1200		1200	1200	100%	1200
(A) APPLIANCES	0		0	0	0	0

PANEL TOTAL (KVA): 26.6
PANEL TOTAL (A): 74

PANEL:		Existing Panel C		VOLTAGE:		120/208V, 3PH, 4W				
LOCATION:		Elec Room		MINIMUM BUS:		225				
MOUNTING:		SURFACE		MAIN:		MLO				
				MINIMUM AIC:		EXISTING				
NO.	LOAD	TYPE	LOAD DESCRIPTION	BREAKER POLE TRIP	BUS A B C	BREAKER TRIP POLE	TYPE	LOAD DESCRIPTION	LOAD A B C	NO.
1	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	LIGHTING ROOM 302	4
2	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	LIGHTING ROOM 304	4
3	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	LIGHTING ROOM 306	4
4	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	LIGHTING ROOM 308	4
5	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	LIGHTING BATH / HALLS	10
6	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	LIGHTING HALL	12
7	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	14
8	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	16
9	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	18
10	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	20
11	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	22
12	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	24
13	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	26
14	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	28
15	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	30
16	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	32
17	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	34
18	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	36
19	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	38
20	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	40
21	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	42
22	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	44
23	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	46
24	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	48
25	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	50
26	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	52
27	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	54
28	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	56
29	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	58
30	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	60
31	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	62
32	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	64
33	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	66
34	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	68
35	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	70
36	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	72
37	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	74
38	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	76
39	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	78
40	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	80
41	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	82
42	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	84
43	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	86
44	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	88
45	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	90
46	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	92
47	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	94
48	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	96
49	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	98
50	100	L	SOFFIT LIGHTS	1 20	*	20	1	L	SPARE	100

LOAD TYPE	PANEL TOTAL	FEED THRU TOTAL	SUBFEED TOTAL	FEEDER SUBTOTAL	DEMAND	FEEDER TOTAL
(A) LIGHTING	1650		1650	1650	125%	2062.5
(B) RECEPTACLES	1000		1000	1000	NEC 250	1000
(C) SPARE	0		0	0	20%	0
(M) LARGEST MOTOR	0		0	0	100%	0
(N) MOTORS (ALL)	0		0	0	100%	0
(E) EQUIPMENT	0		0	0	100%	0
(A) APPLIANCES	0		0	0	0	0

PANEL TOTAL (KVA): 11.0
PANEL TOTAL (A): 30

PANEL:		EXISTING PANEL L		VOLTAGE:		120/208V, 3PH, 4W				
LOCATION:		RESTROOM VESTIBULE		MINIMUM BUS:		125				
MOUNTING:		RECESSED		MAIN:		MLO				
				MINIMUM AIC:						
NO.	LOAD	TYPE	LOAD DESCRIPTION	BREAKER POLE TRIP	BUS A B C	BREAKER TRIP POLE	TYPE	LOAD DESCRIPTION	LOAD A B C	NO.
1	1600	L	LOBBY LTS	1 20	*	20	1	S		2
3			SPARE	1 20	*	20	1	S		4
5	360	L	RESTROOM LB	1 20	*	20	1	S		6
7	100	L	EXTERIOR LIGHTS	1 20	*	20	1	E	HAND DRYERS	8
9			SPARE	1 20	*	20	1	E	HAND DRYERS	10
11	3744	M	HP-1	3 50	*	30	2	R	LOBBY RECEIPTS	12
13	3744	M	HP-1	3 50	*	30	2	R	RESTROOM RECEIPTS	14
15										16
17	1488	E	ENERGY SYSTEM	1 20	*	30	2	E		18
19	1488	E	ENERGY SYSTEM	1 20	*	30	2	E		20
21										22
23										24

LOAD TYPE	PANEL TOTAL	FEED THRU TOTAL	SUBFEED TOTAL	FEEDER SUBTOTAL	DEMAND	FEEDER TOTAL
(A) LIGHTING	1980		1980	1980	125%	2475
(B) RECEPTACLES	780		780	780	NEC 250	780
(C) SPARE	0		0	0	20%	0
(M) LARGEST MOTOR	0		0	0	100%	0
(N) MOTORS (ALL)	11232		11232	11232	100%	11232
(E) EQUIPMENT	12168		12168	12168	100%	12168
(A) APPLIANCES	0		0	0	0	0

PANEL TOTAL (KVA): 26.6
PANEL TOTAL (A): 74

PANEL:		Existing HSDP		VOLTAGE:		120/208V, 3PH, 4W				
LOCATION:		Electrical Room		MINIMUM BUS:		600				
MOUNTING:		RECESSED		MAIN:		600/3 CB				
				MINIMUM AIC:						
NO.	LOAD	TYPE	LOAD DESCRIPTION	BREAKER POLE TRIP	BUS A B C	BREAKER TRIP POLE	TYPE	LOAD DESCRIPTION	LOAD A B C	NO.
1	300	M	PAC-1	3 60	*	35	2	E	WH-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										