LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE TRIMS, BALLASTS, MOUNTING EQUIPMENT, FITTINGS AND LAMPS AS REQUIRED BY THE SPECIFICATIONS AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION.

TYPE:	DESCRIPTION:	MANUFACTURER AND CATALOG NO.:	VOLTAGE:	LAMP:	WATTS PER LUMINAIRE:	REMARKS:
F1	EXTERIOR CEILING SURFACE MOUNT FIXTURE WITH MATTE WHITE FINISH, CLEAR TEMPERED GLASS LENS, UNIVERSAL VOLTAGE ELECTRONIC BALLAST, AND WET LOCATION LABEL.	SPECTRUM SPC1205-242TRT-EX-GS-WL-832DSG-GL-SM-MW	120	2-42 TTT COMPACT FLUOR.	84	
F2	9" WIDE X 4' LONG SURFACE CEILING WRAPAROUND FIXTURE WITH CLEAR PRISMATIC ACRYLIC LENS, AND ELECTRONIC BALLAST.	NULITE WAP-232-UNV-EB10-SINGLE LEVEL	120	2-F32T8/835 3500 K FLUOR.	64	
F3	CHAIN HUNG STRIP LIGHT 4' LONG, WITH 12" WIDE WHITE REFLECTOR, ELECTRONIC BALLAST, AND WIRE GUARD.	COOPER METALUX 1A-232-UNV-EB81-U-AYC-CHAIN/SET 48"-U-WG/IC-4 FT-U	120	2-F32T8/835 3500 K FLUOR.	64	
F3E	SIMILAR TO TYPE 'F3', BUT WITH 90 MINUTE EMERGENCY BATTERY BALLAST.	COOPER METALUX 1A-232-UNV-EB81-U-AYC-CHAIN/SET 48"-U-WG/IC-4 FT-U EMERGENCY BALLAST	120	2-F32T8/835 3500 K FLUOR.	64	

PANEL CL1 — LOCATION: POOL EQMT. RM. CONCESSION STAND

TYPE	DESCRIPTION	LOAD	BKR	CIR	A	B	C	CIR	BKR	LOAD	TYPE	DESCRIPTION
R	EQMT. RM. RECS.	540	20/1P	1	796			2	20/1P	256	L	CONCESSIONS
R	STORAGE RMS.	750	20/1P	3		850		4	20/1P	100	L	CONCESSIONS EXTERIOR
	STORAGE RMS. FANS	1200	20/1P	5			2000	6	20/1P	800	R	CONCESSIONS
	SPARE		20/1P	7	800			8	20/1P	800	R	CONCESSIONS
	SPARE		20/1P	9		800		10	20/1P	800	R	CONCESSIONS
	SPARE		20/1P	11			800	12	20/1P	800	R	CONCESSIONS
	SPARE		20/1P	13	800			14	20/1P	800	R	CONCESSIONS
	SPARE		20/1P	15		800		16	20/1P	800	R	CONCESSIONS
	SPARE		20/1P	17			750	18	20/1P	750	L	POOL EQMT. RM.
	SPACE			19	200			20	20/1P	200	L	EM POOL EQMT. RM.
	SPACE			21		0		22				SPACE
	SPACE			23			0	24				SPACE
	SPACE			25	0			26				SPACE
	SPACE			27		0		28				SPACE
	SPACE			29			0	30				SPACE
	SPACE			31	0			32				SPACE
	SPACE			33		0		34				SPACE
	SPACE			35			0	36				SPACE
	SPACE			37	0			38				SPACE
	SPACE			39		0		40				SPACE
	SPACE			41			0	42				SPACE
					2598	2450	3550					
					22	20	30					

SIZE:	150	GROUND:	STANDARD	NOTES:
VOLTAGE:	208/120V	MOUNTING:	SURFACE	
PHASE:	3	ENCLOSURE:	NEMA 1	
WIRE:	4	FEED:		
LUGS:	M.L.O.	CONNECTED KVA PANEL	8.6	
AIC RATING:	10,000	CONNECTED AMPS PANEL	23.9	
BUS:	COPPER	RECEPTACLE KVA LOAD PANEL	0.1	
NEUTRAL:	100%	OTHER KVA LOAD PANEL	2.5	
		SPCL KVA LOAD (W/DMD FCTR) 65%	0.0	
MAX. ALLOWED AMPS	120	LOAD (AMPS) PANEL	7.3	

COPPER FEEDER SCHEDULE – 3 PHASE, 3 WIRE

FEEDER No.	AMPERE	FEEDER	GROUND	CONDUIT
153	15A, 3PH3W	3-#12	#12	1/2"
203	20A, 3PH3W	3-#12	#12	1/2"
303	30A, 3PH3W	3-#10	#10	1/2"
403	40A, 3PH3W	3-#8	#10	3/4"
503	50A, 3PH3W	3-#8	#10	3/4"
603	60A, 3PH3W	3-#6	#10	1"
703	70A, 3PH3W	3-#4	#8	1"
803	80A, 3PH3W	3-#4	#8	1"
1003	100A, 3PH3W	3-#2	#8	1 1/4"
1253	125A, 3PH3W	3-#1	#6	1 1/2"
1503	150A, 3PH3W	3-#1/0	#6	1 1/2"
1753	175A, 3PH3W	3-#2/0	#6	2"
2003	200A, 3PH3W	3-#3/0	#6	2"
2253	225A, 3PH3W	3-#4/0	#4	2 1/2"
2503	250A, 3PH3W	3-#250K	#4	2 1/2"
3003	300A, 3PH3W	3-#350K	#4	2 1/2"
3503	350A, 3PH3W	3-#400K	#2	3"
4003	400A, 3PH3W	3-#500K	#2	3"
5003	500A, 3PH3W	6-#250K	2-#2	(2) 2 1/2"
6003	600A, 3PH3W	6-#350K	2-#1	(2) 3"
8003	800A, 3PH3W	6-#500K	2-#1/0	(2) 3"
10003	1000A, 3PH3W	9-#400K	3-#2/0	(3) 3"
12003	1200A, 3PH3W	9-#600K	3-#3/0	(3) 4"
16003	1600A, 3PH3W	12-#600K	4-#4/0	(4) 4"
20003	2000A, 3PH3W	15-#600K	5-#250K	(5) 4"

COPPER FEEDER SCHEDULE – 3 PHASE, 4 WIRE

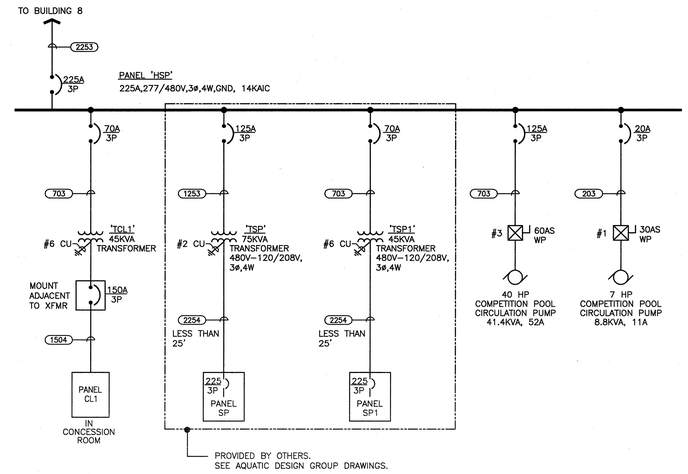
FEEDER No.	AMPERE	FEEDER	GROUND	CONDUIT
154	15A, 3PH4W	4-#12	#12	1/2"
204	20A, 3PH4W	4-#12	#12	1/2"
304	30A, 3PH4W	4-#10	#10	1/2"
404	40A, 3PH4W	4-#8	#10	3/4"
504	50A, 3PH4W	4-#6	#10	1"
604	60A, 3PH4W	4-#6	#10	1"
704	70A, 3PH4W	4-#4	#8	1 1 /4"
804	80A, 3PH4W	4-#4	#8	1 1 /4"
1004	100A, 3PH4W	4-#2	#8	1 1/4"
1254	125A, 3PH4W	4-#1	#6	1 1/2"
1504	150A, 3PH4W	4-#1/0	#6	1 1/2"
1754	175A, 3PH4W	4-#2/0	#6	2"
2004	200A, 3PH4W	4-#3/0	#6	2"
2254	225A, 3PH4W	4-#4/0	#4	2 1/2"
2504	250A, 3PH4W	4-#250K	#4	2 1/2"
3004	300A, 3PH4W	4-#350K	#4	3"
3504	350A, 3PH4W	4-#400K	#2	3"
4004	400A, 3PH4W	4-#500K	#3	3 1/2"
5004	500A, 3PH4W	8-#250K	2-#2	(2) 2 1/2"
6004	600A, 3PH4W	8-#350K	2-#1	(2) 3"
8004	800A, 3PH4W	8-#500K	2-#1/0	(2) 3"
10004	1000A, 3PH4W	12-#400K	3-#2/0	(3) 3"
12004	1200A, 3PH4W	12-#600K	3-#3/0	(3) 4"
16004	1600A, 3PH4W	16-#600K	4-#4/0	(4) 4"
20004	2000A, 3PH4W	20-#600K	5-#250K	(5) 4"

Notes:

1. Conductors and conduit sizes shown in schedule are based on copper conductors with THHN/THWN insulation.

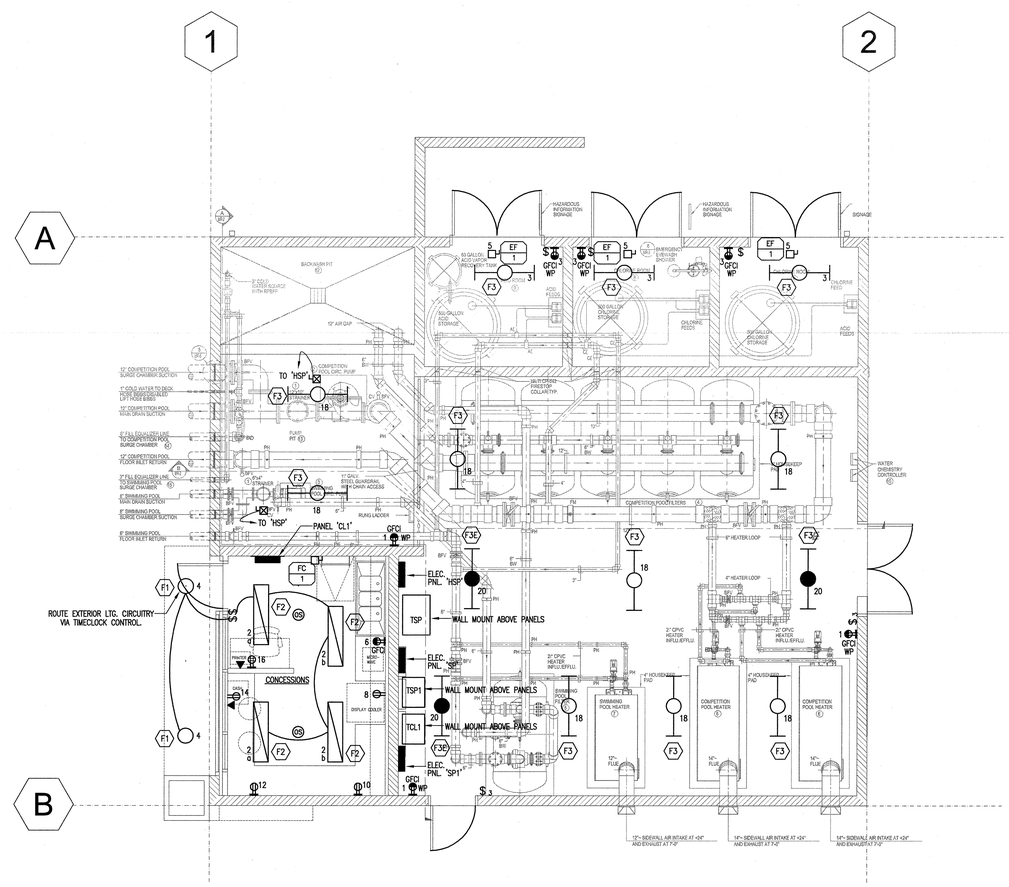
GENERAL NOTES

A ALL LIGHTING AND POWER CIRCUITRY SHOWN ON PLAN IS CONNECTED TO PANEL 'CL1', UNLESS OTHERWISE NOTED.



2	SINGLE LINE DIAGRAM
E10.10	NOT TO SCALE

PANEL 'HSP' LOAD SUMMARY	
POOL CIRC. PUMP – 40HP	41.4KVA
POOL CIRC. PUMP – 7HP	8.8KVA
PANEL 'SP1'	25.5KVA
PANEL 'SP'	43.4KVA
PANEL 'CL1'	10.8KVA
	129.9KVA
	156.5A@480V,3ø



1	LIGHTING, POWER & DATA PLAN
E10.10	SCALE: 1/4"=1'-0"

McCarthy
LPA KH

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ROSENDIN ELECTRIC

REGISTERED PROFESSIONAL ENGINEER WILLIAM P. MAZZETTI 13-A-20 10/10 STATE OF CALIFORNIA

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FILE NUMBER:

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College of San Mateo
Site Package
San Mateo, CA

Developed for
San Mateo County Community College District

Revision	Description	Date

Revision	Description	Date
100% DESIGN DEVELOPMENT SUBMITTAL		16 JUN 2006
100% CONSTRUCTION DOCUMENTS SUBMITTAL		08 AUG 2008
DSA SUBMITTAL		15 SEP 2008
DSA FINAL		09 APR 2009

Job. No.	300085
Date	09 APR 2009
Drawn by	FF/AA
Checked by	TS
Scale	AS SHOWN

Pool Bldg. Lighting, Power Plan & Single Line Diagram

E10.10

Rtext (Rtext)