

## FEEDER &amp; LOAD SCHEDULE

FEEDER DESIGNATION	FROM	TO	CONDUIT SIZE	WIRE SIZE	KVA	VOLTS, PHASE	AMPERES CONN.	LCL
MSB	SDG&E CO. PAD-MOUNT TRANSFORMER	MSB	(14)-5" C.O.	BY SDG&E	480/277 30.4W			
FDC	MSB-1	FDC (TO SDR4)	(4)-4"	4-350MCM EACH	654.5		788.4	
FDB	FDB-1	FDB		1200A FDR DUCT	632		819.4	
FDA	FDA-1	FDA		1200A FDR DUCT	634.4		747	
FDE	FDE-1	FDE		1600A FDR DUCT	816.9		1013	
MCC-PA	MSB-5	MCCPA	3"	6 # 250 MCM	211	480V, 3Ø	257	
SDP-D	MSB-6	SDP-D	2"	(4) #2/0	89	480/277 3Ø, 4W	107	
CH-1	MSB-7	CH-1 STARTER	(2) 2 1/2"	3-350MCM EACH	323	480V, 3Ø	389	
CH-2	MSB-8	CH-2 STARTER	(2) 2 1/2"	(3)-350MCM EACH	323		389	
FP-1	(MSB) TS-2	FP-1	2"	3 # 3/0	125		150	
MCCPB	MSB-11	MCCPB	2"	(3)-#3/0	67		84	
TOTAL	NOTE: SEE SINGLE LINE DIAGRAM ON SHEET E-102							
FDE-1	MSB-4	FDE	(5)-4"	(4)-500MCM EACH	SEE FDE	480/277 3Ø, 4W	SEE FDE	
FDB-1	MSB-2	FDB	(4)-4"	(4)-350MCM EACH	SEE FDB		SEE FDB	
FDA-1	MSB-3	FDA	(4)-4"		SEE FDA		SEE FDA	
SDP-1	PDA	SDP-1	2 1/2"	(4)-#4/0 IN EA	264.5		322.3	360.3
SDP-2	FDA	SDP-2	3"	(4)-350MCM	151.6	480/277 3Ø, 4W	182.4	212
SDP-3	FDA	SDP-3	2-1/2"	(4)-250MCM	140.3		148.3	194
SDP-4	FDB	SDP-4	(2)-3"	(4)-#350MCM EACH	324	480/277 3Ø, 4W	461	499
SDP-7	FDB	SDP-7	(2)-2 1/2"	(4)-#4/0 IN EA	293		358.4	381.4
TOTAL					682		819.4	880.4
MCC-G	SDPGE-5	MCC-G	1 1/4"	(3)-#2	40.2	480/3Ø	48.4	54.9
END	SDPGE-2	END	1-1/4"	(4)-#2	37.6	480/277 3Ø, 4W	45	45
GHE	SDPGE-3	GHE	2"	(4)-#1/0	72	480/277 3Ø, 4W	86.8	92.1
PSE	SDPGE-4	PSE	1 1/4"	FUTURE	41.2		49.7	49.7
SDPGE	SDPGE-1	SDPGE	1 1/2"	(4)-#1	47.2		57.1	60
TOTAL					238.2		286.8	301.7
IHE	FDE	IHE	1-1/4"	(4)-#2	25.3	480/277 3Ø, 4W	31.1	32.6
ZHE	FDE	ZHE		(4)-#4	20.1		24.2	24.4
3HE	FDE	3HE		(4)-#4	17.2		20.7	23
SDPGE	FDE	SDPGE			238.2		286.8	301.7
SDPE	FDE	SDPE	300A BUS DUCT		517.7		649.8	701.4
TOTAL					816.9		1012.8	1085
HD	SDPD-2	HD	1-1/4"	(4)-#2	21	480/277 3Ø, 4W	25	25
T24	SDPD-3	T24	1-1/4"	(3)-#2	62	480 3Ø	81.9	81.9
PD	T24	PD	2-1/2"	(4)-#4/0	33	208/120 3Ø	105	105
PDJ	T24	PDJ	2-1/2"	(4)-#4/0	33		33	33
TOTAL					89		213	213
T1	GHE	T1	1-1/4"	(3)-#2	75	480 3Ø	90	90
GPE	T1	GPE	2-1/2"	(4)-#4/0	34.4	208/120 3Ø	151	151
GP1E	GPE	GP1E	1-1/4"	(4)-#2	21.6		40	60
TOTAL					75		90	
GP2E	T3	GP2E	1-1/4"	(4)-#2	21.6	208/120 3Ø	80	60
IP1E	GP2E	IP1E	1"	(4)-#8	3.8		11.0	11.0
TOTAL					21.8		60	

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CP-1	SDPGE-1	CP-1	3/4"	(3)-#10	13	480 3Ø	16	16
T3	SDPGE-2	T3	1"	(3)-#8	21.6	480/277 3Ø, 4W	26	26
GH1E	SDPGE-3	GH1E	1-1/4"	(4)-#2	16.8	480/277 3Ø, 4W	15.6	12.6
IH1E	GH1E	IH1E	1"	(4)-#6	3.8		4.5	5.3
TOTAL					47.2		57.1	60
T18	IHE	T18	1"	(3)-#8	30	480/277 3Ø, 4W	36	36
1PE	T18	1PE	1-1/4"	(4)-#2	21	208/120 3Ø	58	58
T6	ZHE	T6	3/4"	(3)-#10	15	480 3Ø	18	18
2PE	T6	2PE	1 1/4"	(4)-#4	13	208/120 3Ø	35	35
T23	3HE	T23	3/4"	(3)-#10	9.5	480 3Ø	11.5	11.9
3PE	T23	3PE	1-1/4"	(4)-#4	9.5	208/120 3Ø	26.5	26.5
4HE	SDPE-1	4HE	1-1/4"	(4)-#2	12.8	480/277 3Ø, 4W	15.4	16.7
5HE	4HE	5HE	1"	(4)-#6	8.5		10.1	12.3
T13	SDPE-2	T13	1-1/4"	(3)-#2	50.6	208/120 3Ø	61	61
4PE	T13	4PE	2-1/2"	(4)-#4/0	50.6		140.5	140.5
5PE	4PE	5PE	2"	(4)-#2/0	44		123	123
6PE	5PE	6PE	2"	(4)-#1/0	38.6		109	109
7HE	SDPE-3	7HE	1-1/4"	(4)-#2	44.3	480/277 3Ø, 4W	53.3	56.1
T15	7HE	T15	1-1/4"	(3)-#4	35	480 3Ø	42.2	42.2
7PE	T15	7PE	2"	(4)-#2/0	35	208/120 3Ø	96	96
MCC-ER	SDPE-4	MCC-ER	1-1/2"	(3)-#1/0	63	480 3Ø	76.1	82.6
ELPC	SDPE-5	ELPC	2"	(3)-#3/0	113		144	157
ELPB	SDPE-6	ELPB	2"	(3)-#3/0	81		104	117
ELPA	SDPE-7	ELPA	2"	(3)-#4/0	153		196	209
TOTAL					517.7		649.8	701.4
KD	SDPG-1	KD	2-1/2"	(4)-#4/0	111	480/277 3Ø, 4W	133	133
GHA	SDPG-2	GHA	1-1/4"	(3)-#2	32		39	47
GHB	SDPG-3	GHB	1-1/4"	(3)-#2	28.6		34.4	39.8
SDPC	SDPG-4	SDPC	2-3"	(4)-#350MCM EACH	322.7		383.3	410.2
T2	SDPG-5	T2	2"	(3)-#3/0	111	480 3Ø	133.7	133.7
SDPG-6	SPARE							
MCC-1	SDPG-7	MCC-1	1-1/4"	(3)-#2	31	480 3Ø	37	43.5
EF-19	SDPG-8	EF-19	3/4"	(3)-#12	9		11	11
EF-20	SDPG-9	EF20	3/4"	(3)-#12	9		11	11
TOTAL					654.5		788.4	831.7
6HE	5HE	6HE	1"	(4)-#8	3.9	480/277 3Ø, 4W	4.7	5.9
8HE	7HE	8HE			3.7		4.5	5.3
8PE	7PE	8PE	1-1/4"	(4)-#2	17	208/120 3Ø	46	46

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SDPH	T2	SDPH	(2)-2-1/2"	(4)-#250MCM EACH	111.0	208/120 3Ø	308.0	
GPA	SDPH-1	GPA	2"	(4)-#1/0	31		86	86
GPB	SDPH-2	GPB	2"	(4)-#1/0	36		100	100
KB	SDPH-3	KB	2"	(4)-#2/0	46.2		128	128
TOTAL					113.2		314	314
MCC-K	SDPI-6	MCC-K	1 1/4"	(3)-#2	42	480 3Ø	55	58.5
MCC-A	SDPI-1	MCC-A	1-1/4"	(3)-#1	58	480 3Ø	72	77
MCC-B	SDPI-2	MCC-B	1-1/4"	(3)-#2	31		37	43.5
MCC-C	SDPI-3	MCC-C	1-1/4"	(3)-#2	31		37	43.5
IHA	SDPI-4	IHA	1-1/2"	(4)-#1	48.7	480/277 3Ø, 4W	58.5	73.2
T4	SDPI-5	T4	1-1/4"	(3)-#2	53.8	480 3Ø	64.3	64.8
TOTAL					264.5		322.3	360.3
GA-1	T4	GA-1	2-1/2"	(4)-250MCM	53.8	208/120 3Ø	149.1	149.1
1PA	GA-1	1PA	1-1/4"	(4)-#2	17.3	208/120 3Ø	48	48
1PB	GA-1	1PB	2"	(4)-#1/0	36.5		101.1	101.1
1PBI	1PB	1PBI	1-1/2"	(4)-#1	17.3		48	48
MCC-D	SDP2-1	MCC-D	1-1/4"	(3)-#2	31	480 3Ø	37	43.5
MCC-F	SDP2-2	MCC-F	1-1/4"	(3)-#2	31		37	43.5
2HA	SDP2-3	2HA	2"	(4)-#3/0	89.1	480/277 3Ø, 4W	107.4	123.5
EF-18	SDP2-4	EF-18	3/4"	(3)-#12	0.5	480 3Ø	1	1.25
TOTAL					151.6		182.4	212
T7	2HA	T7	1"	(3)-#4	36	480 3Ø	43.4	43.4
2PA	T7	2PA	2"	(4)-#2/0	36	208/120 3Ø	99	99
2PB	2PA	2PB	1-1/4"	(4)-#4	13		36	36
MCC-H	SDP3-1	MCC-H	1-1/4"	(3)-#2	31	480 3Ø	37	43.5
MCC-J	SDP3-2	MCC-J	1-1/4"	(3)-#2	31		37	43.5
3HA	SDP3-3	3HA	2"	(4)-#1/0	78.3	480/277 3Ø, 4W	94.3	107
TOTAL					140.3		183.3	194
T8	3HA	T8	1"	(3)-#4	34.5	480 3Ø	41.5	41.5
3PA	T8	3PA	2"	(4)-#2/0	34.5	208/120 3Ø, 4W	95.7	95.7
3PB	3PA	3PB	1 1/4"	(4)-#4	11		31	31

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MCCO	SDP4-1	MCC-O	1-1/4"	(3)-#2	31	480/277 3Ø, 4W	37	43.5
MCCP	SDP4-2	MCC-P	1/1-4"	(3)-#2	31	↓	37	43.5
4HA	SDP4-3	4HA	1-1/4"	(4)#2	32	480/277 3Ø, 4W	38.2	47.5
T12	SDP4-4	T12	2"	(3)-#3/0	122.2	480 3Ø	147.2	147.2
5HA	SDP4-5	5HA	1-1/4"	(4)-#2	31	480/277 3Ø, 4W	36.6	45.2
6HA	SDP4-6	6HA	↓	↓	27		32.0	39.0
6PB	SDP4-7	6PB	1 1/2"	(4) # 2	18.3	↓	21.9	21.9
TOTAL					384.4		461	499
SDP4A	T12	SDP4A	(2)-2 1/2"	(4) #250MCM EACH	122.2	208/120 3Ø	339.7	339.7
4PA	SDP4A-2	4PA	1-1/4"	(4)-#2	24.4		67.8	67.8
5PA	SDP4A-3	5PA	2"	(4)-#1/0	36.5		101.3	101.3
6PA	SDP4A-4	6PA	2"	(4)-1/0	34.5		96	102
4PB	SDP4A-1	4PB	1-1/4"	(4)-#2	26.8	↓	74.6	74.6
TOTAL					122.2		339.7	339.7
MCCR	SDP7-2	MCC-R	2"	(3)-#3/0	121	480 3Ø	145	151.5
7HA	SDP7-3	7HA	1-1/4"	(4)#2	29.3	480/277 3Ø, 4W	36	43.2
8HA	SDP7-4	8HA	↓	↓	31.1	↓	37.4	46.7
T16	SDP7-5	T16	2"	3 #3/0	116	480 3Ø	140	140
TOTAL					298		358.4	381.4
SDP7A	T16	SDP7A	Two 2-1/2"	(4) #250MCM IN EACH	116	208/120 3Ø	322	322
7PA	SDP7A-1	7PA	2"	(4)-#1/0	39.9		111	111
8PA	SDP7A-2	8PA	2"	(4)-#2/0	44.6	↓	124	124
RP	SDP7A-3	RP	1-1/2"	(4)-#1	31.4	208/120 3Ø	87.2	87.2
TOTAL					116		322	322
GHC	SDPC-1	GHC	1-1/4"	(4)-#2	40.1	480/277 3Ø, 4W	48.3	60.2
IHC	SDPC-2	IHC	1-1/4"	(4)-#2	32.1	↓	38.6	48.3
T5	SDPC-3	T5	3"	(3)-350MCM	170	480 3Ø	205	205
MCCU	SDPC-4	MCC-U	1-1/2"	(3)-#1/0	79.2		95.4	95.4
EF-24 (ELECT. TRF.)	SDPC-5	EF-24 ELECT. TRF.	3/4"	(3)-#12	0.84		1.0	1.25
SDPC-6	SDPC-6	SDPC-6	2 1/4"	(3) #12	12	↓	14.5	14.5
TOTAL					324.2		402.8	424.7
SDPCA	T5	SDPCA	(2)-4"	(4)-500 MCM EACH	184.5	480/277 3Ø, 4W	511.6	511.6
GPCA	SDPCA-1	GPCA	2"	(4)-#2/0	43.3	208/120 3Ø	122	122
KC	SDPCA-2	KC	2-1/2"	(4)-#4/0	33		147	147
KCI	SDPCA-3	KCI	1-1/4"	(4)-#2	18.5		51.4	51.4
IPC	SDPCA-4	IPC	2"	(4)-#2/0	49.7		130	130
GPCB	SDPCA-5	GPCB	1 1/4"	(4)-#2	19.4	↓	53.2	53.2
T-25	EHD	T-25	1"	(3) #5	14.1	480/277 3Ø, 4W	17	17
EPD	T-25	EPD	1-1/4"	(4)#2	14.1	208/120 3Ø, 4W	39	39