

Ruler in inches: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

Ruler in inches: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

DC FEEDER SCHEDULE - PCS 101																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPS SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPS SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TO TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	TOTAL VOLTAGE DROP		
1	101-01	LBD-101-01	9	155.61	200	1	AL 350MCM	CU #2	650	1	AL 350MCM	CU #2	499.55	TR101-01-01	5	1090.7	17.29	86.45	110	1	AL #4/0	97.85	81.05	0.6%	0.4%	0.1%	0.50%	1.7%	
1	101-02	LBD-101-02	16	276.64	400	1	AL 750MCM	CU #2	650	1	AL 750MCM	CU #2	412	TR101-01-02	4	1090.7	17.29	86.45	90	1	AL #4/0	123.6	64.84	0.6%	0.4%	0.1%	0.50%	1.7%	
														TR101-02-01	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.3%	0.2%	0.4%	0.50%	1.4%	
														TR101-02-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.3%	0.2%	0.4%	0.50%	1.3%	
1	101-03	LBD-101-03	16	276.64	400	1	AL 750MCM	CU #2	650	1	AL 750MCM	CU #2	257.5	TR101-02-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.3%	0.2%	0.4%	0.50%	1.3%	
														TR101-03-01	8	1090.7	17.29	118.32	175	1	AL #4/0	350.2	129.68	0.4%	0.2%	0.8%	0.50%	1.9%	
														TR101-03-02	8	1090.7	17.29	118.32	175	1	AL #4/0	319.1	129.68	0.4%	0.2%	0.8%	0.50%	1.9%	
1	101-04	LBD-101-04	18	311.22	400	1	AL 750MCM	CU #2	650	1	AL 750MCM	CU #2	159.65	TR101-04-01	9	1090.7	17.29	155.61	200	1	AL #4/0	448.05	145.89	0.5%	0.1%	1.2%	0.50%	2.3%	
														TR101-04-02	9	1090.7	17.29	155.61	200	1	AL #4/0	422.3	145.89	0.5%	0.1%	1.1%	0.50%	2.2%	
														TR101-05-01	9	1090.7	17.29	155.61	200	1	AL #4/0	448.05	145.89	0.5%	0.1%	1.2%	0.50%	2.3%	
1	101-05	LBD-101-05	18	311.22	400	1	AL 750MCM	CU #2	650	1	AL 750MCM	CU #2	103	TR101-05-02	9	1090.7	17.29	155.61	200	1	AL #4/0	422.3	145.89	0.5%	0.1%	1.1%	0.50%	2.2%	
														TR101-06-01	6	1090.7	17.29	103.74	150	1	AL #4/0	212.95	97.26	0.3%	0.0%	0.5%	0.50%	1.3%	
														TR101-06-02	7	1090.7	17.29	121.03	175	1	AL #4/0	144.2	113.47	0.3%	0.0%	0.3%	0.50%	1.1%	
1	101-06	LBD-101-06	13	224.77	315	1	AL 750MCM	CU #2	650	1	AL 750MCM	CU #2	20.6	TR101-07-01	9	1090.7	17.29	138.52	175	1	AL #4/0	350.2	129.68	0.6%	0.0%	0.8%	0.50%	1.4%	
														TR101-07-02	9	1090.7	17.29	155.61	200	1	AL #4/0	422.3	145.89	0.5%	0.0%	1.1%	0.50%	1.7%	
														TR101-08-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	422.3	145.89	0.1%	0.1%	1.1%	0.50%	1.8%	
2	101-09	LBD-101-09	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR101-09-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.0%	1.3%	0.50%	1.9%	
														TR101-10-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	1.3%	0.50%	2.0%	
														TR101-11-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	1.3%	0.50%	2.0%	
2	101-12	LBD-101-12	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	TR101-12-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.2%	1.3%	0.50%	2.1%	
														TR101-13-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.2%	1.3%	0.50%	2.1%	
														TR101-14-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.3%	1.3%	0.50%	2.2%	
2	101-15	LBD-101-15	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	190.55	TR101-15-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.3%	1.3%	0.50%	2.2%	
														TR101-16-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.4%	1.3%	0.50%	2.3%	
														TR101-17-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.4%	1.3%	0.50%	2.3%	

DC FEEDER SCHEDULE - PCS 102																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPS SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPS SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TO TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	102-01	LBD-102-01	15	259.35	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	412	TR102-01-01	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR102-01-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR102-01-03	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.2%	0.3%	0.50%	1.0%	
102-02	LBD-102-02	15	259.35	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	329.6	TR102-02-01	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.1%	0.4%	0.50%	1.1%		
													TR102-02-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.1%	0.4%	0.50%	1.0%		
													TR102-02-03	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.1%	0.3%	0.50%	1.0%		
1	102-03	LBD-102-03	15	259.35	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	247.2	TR102-03-01	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.1%	0.4%	0.50%	1.0%	
														TR102-03-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.1%	0.3%	0.50%	1.0%	
														TR102-03-03	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.1%	0.2%	0.50%	1.1%	
1	102-04	LBD-102-04	12	207.48	315	1	AL 350MCM	Cu #2	60	1	AL 350MCM	Cu #2	190.55	TR102-04-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.2%	0.4%	0.50%	1.2%	
														TR102-04-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.1%	0.1%	0.4%	0.50%	1.2%	
														TR102-04-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.1%	0.4%	0.50%	1.1%	
1	102-06	LBD-102-06	12	207.48	315	1	AL 350MCM	Cu #2	60	1	AL 350MCM	Cu #2	77.25	TR102-06-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.1%	0.4%	0.50%	1.1%	
														TR102-06-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.1%	0.1%	0.4%	0.50%	1.1%	
														TR102-06-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.1%	0.4%	0.50%	1.0%	
1	102-07	LBD-102-07	12	207.48	315	1	AL 350MCM	Cu #2	60	1	AL 350MCM	Cu #2	20.6	TR102-07-01	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.1%	0.0%	0.4%	0.50%	1.0%	
														TR102-07-02	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.0%	0.4%	0.50%	1.0%	
														TR102-07-03	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	81.05	0.0%	0.0%	0.4%	0.50%	0.9%	
1	102-08	LBD-102-08	15	259.35	400	1	AL 750MCM	Cu #2	50	1	AL 750MCM	Cu #2	20.6	TR102-08-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.0%	0.3%	0.50%	0.9%	
														TR102-08-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.0%	0.4%	0.50%	0.9%	
														TR102-08-03	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.0%	0.4%	0.50%	0.9%	
2	102-09	LBD-102-09	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	20.6	TR102-09-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.0%	0.4%	0.50%	0.9%	
														TR102-09-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.0%	0.4%	0.50%	1.0%	
														TR102-09-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.0%	0.5%	0.50%	1.1%	
2	102-10	LBD-102-10	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	103	TR102-10-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.4%	0.50%	1.0%	
														TR102-10-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.0%	0.4%	0.50%	1.0%	
														TR102-10-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.5%	0.50%	1.1%	
2	102-11	LBD-102-11	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	190.55	TR102-11-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.1%	0.4%	0.50%	1.1%	
														TR102-11-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.1%	0.4%	0.50%	1.0%	
														TR102-11-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.5%	0.50%	1.1%	
2	102-12	LBD-102-12	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	272.95	TR102-12-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.4%	0.50%	1.1%	
														TR102-12-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.1%	0.1%	0.4%	0.50%	1.1%	
														TR102-12-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.5%	0.50%	1.2%	
2	102-13	LBD-102-13	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	355.35	TR102-13-01	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.1%	0.4%	0.50%	1.1%	
														TR102-13-02	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.2%	0.5%	0.50%	1.2%	
														TR102-13-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.2%	0.4%	0.50%	1.1%	
2	102-14	LBD-102-14	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	442.9	TR102-14-01	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR102-14-02	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.2%	0.5%	0.50%	1.2%	
														TR102-14-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.3%	0.4%	0.50%	1.2%	
2	102-15	LBD-102-15	18	311.22	400	1	AL 750MCM	Cu #2	60	1	AL 750MCM	Cu #2	525.3	TR102-15-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR102-15-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.2%	0.2%	0.4%	0.50%	1.3%	
														TR102-15-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.3%	0.5%	0.50%	1.3%	

RULE 511 3/26/2018 10:11 PM

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 103																			
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]
1	103-01	LBD-103-01	30	172.9	250	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	329.6	TR103-01-01	10	1090.7	172.9	172.9	N/A
1	103-02	LBD-103-02	18	311.22	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	278.1	TR103-02-01	9	1090.7	172.9	155.61	200
1	103-03	LBD-103-03	18	311.22	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	216.3	TR103-03-01	9	1090.7	172.9	155.61	200
1	103-04	LBD-103-04	16	276.64	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	164.8	TR103-04-01	8	1090.7	172.9	138.32	175
1	103-05	LBD-103-05	16	276.64	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	108.15	TR103-05-01	8	1090.7	172.9	138.32	175
1	103-06	LBD-103-06	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	51.5	TR103-06-01	7	1090.7	172.9	121.03	175
1	103-07	LBD-103-07	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	20.6	TR103-07-01	7	1090.7	172.9	121.03	175
2	103-08	LBD-103-08	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	20.6	TR103-08-01	6	1090.7	172.9	103.74	150
2	103-09	LBD-103-09	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	20.6	TR103-09-01	7	1090.7	172.9	121.03	175
2	103-10	LBD-103-10	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	77.25	TR103-10-01	7	1090.7	172.9	121.03	175
2	103-11	LBD-103-11	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	133.9	TR103-11-01	7	1090.7	172.9	121.03	175
2	103-12	LBD-103-12	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	190.55	TR103-12-01	7	1090.7	172.9	121.03	175
2	103-13	LBD-103-13	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	242.06	TR103-13-01	7	1090.7	172.9	121.03	175
2	103-14	LBD-103-14	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	258.7	TR103-14-01	7	1090.7	172.9	121.03	175
2	103-15	LBD-103-15	7	121.03	175	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	355.35	TR103-15-01	7	1090.7	172.9	121.03	N/A

DC FEEDER SCHEDULE - PCS 104																			
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]
1	104-01	LBD-104-01	15	259.35	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	226.6	TR104-01-01	8	1090.7	172.9	138.32	175
1	104-02	LBD-104-02	9	155.61	200	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	185.4	TR104-02-01	7	1090.7	172.9	121.03	175
1	104-03	LBD-104-03	30	172.9	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	159.65	TR104-03-01	10	1090.7	172.9	121.03	N/A
1	104-04	LBD-104-04	11	190.19	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	128.75	TR104-04-01	11	1090.7	172.9	121.03	N/A
1	104-05	LBD-104-05	12	207.48	315	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	103	TR104-05-01	12	1090.7	172.9	121.03	N/A
1	104-06	LBD-104-06	13	224.77	315	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	72.1	TR104-06-01	13	1090.7	172.9	121.03	N/A
1	104-07	LBD-104-07	14	242.06	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	46.35	TR104-07-01	14	1090.7	172.9	121.03	N/A
1	104-08	LBD-104-08	15	259.35	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	20.6	TR104-08-01	15	1090.7	172.9	121.03	N/A
1	104-09	LBD-104-09	16	276.64	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	226.6	TR104-09-01	16	1090.7	172.9	121.03	N/A
1	104-10	LBD-104-10	17	293.93	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	51.5	TR104-10-01	17	1090.7	172.9	121.03	N/A
1	104-11	LBD-104-11	18	311.22	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	77.25	TR104-11-01	18	1090.7	172.9	121.03	N/A
1	104-12	LBD-104-12	12	207.48	315	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	123.6	TR104-12-01	12	1090.7	172.9	121.03	N/A
2	104-13	LBD-104-13	11	190.19	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	123.6	TR104-13-01	11	1090.7	172.9	121.03	N/A
2	104-14	LBD-104-14	10	172.9	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	334.75	TR104-14-01	10	1090.7	172.9	121.03	N/A
2	104-15	LBD-104-15	9	155.61	200	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	334.75	TR104-15-01	9	1090.7	172.9	121.03	N/A
2	104-16	LBD-104-16	16	276.64	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	520.15	TR104-16-01	16	1090.7	172.9	121.03	N/A
2	104-17	LBD-104-17	18	311.22	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	545.9	TR104-17-01	18	1090.7	172.9	121.03	N/A
2	104-18	LBD-104-18	18	311.22	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	516.8	TR104-18-01	18	1090.7	172.9	121.03	N/A
2	104-19	LBD-104-19	18	311.22	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	602.55	TR104-19-01	18	1090.7	172.9	121.03	N/A
2	104-20	LBD-104-20	18	311.22	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	628.3	TR104-20-01	18	1090.7	172.9	121.03	N/A

DC FEEDER SCHEDULE - PCS 105																												
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING								
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING VOLTAGE [Vmp]	SEGMENT VOLTAGE DROP - UNDERGROUND	SEGMENT VOLTAGE DROP - MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP - TRUNKS	TOTAL VOLTAGE DROP
1	105-01	LBD-105-01	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	262.65	TR105-01-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	927	162.1	0.1%	1.7%	0.50%	2.7%	
1	105-02	LBD-105-02	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	262.65	TR105-02-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	927	162.1	0.1%	1.7%	0.50%	2.7%	
1	105-03	LBD-105-03	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	144.2	TR105-03-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	1024.85	162.1	0.1%	0.3%	1.8%	0.50%	2.7%
1	105-04	LBD-105-04	12	207.48	315	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	144.2	TR105-04-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	1024.85	194.52	0.1%	0.3%	1.8%	0.50%	2.8%
1	105-05	LBD-105-05	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	118.45	TR105-05-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	1024.85	162.1	0.1%	0.2%	1.8%	0.50%	2.7%
1	105-06	LBD-105-06	12	207.48	315	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	118.45	TR105-06-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	1024.85	194.52	0.1%	0.2%	1.8%	0.50%	2.8%
1	105-07	LBD-105-07	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	87.55	TR105-07-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	1024.85	162.1	0.1%	0.2%	1.8%	0.50%	2.6%
1	105-08	LBD-105-08	12	207.48	315	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	87.55	TR105-08-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	1024.85	194.52	0.1%	0.2%	1.8%	0.50%	2.7%
1	105-09	LBD-105-09	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	61.8	TR105-09-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	1024.85	162.1	0.1%	0.1%	1.8%	0.50%	2.6%
1	105-10	LBD-105-10	12	207.48	315	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	61.8	TR105-10-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	1024.85	194.52	0.1%	0.1%	1.8%	0.50%	2.6%
1	105-11	LBD-105-11	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	30.8	TR105-11-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	1024.85	162.1	0.1%	0.1%	1.8%	0.50%	2.3%
1	105-12	LBD-105-12	12	207.48	315	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	30.8	TR105-12-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	1024.85	194.52	0.1%	0.1%	1.8%	0.50%	2.5%
2	105-13	LBD-105-13	10	172.9	250	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	20.6	TR105-13-01	10	1090.7	172.9	172.9	N/A	1	AL 350MCM	1024.85	162.1	0.1%	0.0%	1.8%	0.50%	2.5%
2	105-14	LBD-105-14	12	207.48	315	1	AL 350MCM	CU #2	55	1	AL 350MCM	CU #2	20.6	TR105-14-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	1024.85	194.52	0.1%	0.0%	1.9%	0.50%	2.5%
2	105-15	LBD-105-15	14	242.06	400	1	AL 750MCM	CU #2	710	1	AL 750MCM	CU #2	20.6	TR105-15-01	7	1090.7	172.9	121.03	175	1	AL 350MCM	113.47	113.47	0.4%	0.0%	0.7%	0.50%	1.6%
2	105-16	LBD-105-16	16	276.64	400	1	AL 750MCM	CU #2	710	1	AL 750MCM	CU #2	77.25	TR105-16-01	7	1090.7	172.9	121.03	175	1	AL 350MCM	113.47	113.47	0.4%	0.0%	0.7%	0.50%	1.6%
2	105-17	LBD-105-17	18	311.22	400	1	AL 750MCM	CU #2	710	1	AL 750MCM	CU #2	133.9	TR105-17-02	9	1090.7	172.9	155.61	200	1	AL 350MCM	145.89	145.89	0.4%	0.0%	1.2%	0.50%	2.2%
2	105-18	LBD-105-18	18	311.22	400	1	AL 750MCM	CU #2	710	1	AL 750MCM	CU #2	190.55	TR105-18-01	9	1090.7	172.9	155.61	200	1	AL 350MCM	145.89	145.89	0.5%	0.1%	1.1%	0.50%	2.3%
2	105-19	LBD-105-19	12	207.48	315	1	AL 350MCM	CU #2	710	1	AL 350MCM	CU #2	242.06	TR105-19-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	520.15	194.52	1.5%	0.5%	0.8%	0.50%	3.3%
2	105-20	LBD-105-20	12	207.48	315	1	AL 350MCM	CU #2	710	1	AL 350MCM	CU #2	277.95	TR105-20-01	12	1090.7	172.9	207.48	N/A	1	AL 350MCM	520.15	194.52	1.5%	0.5%	0.8%	0.50%	3.3%
2	105-21	LBD-105-21	12	207.48	315	1	AL 350MCM	CU #2	710	1	AL 350MCM	CU #2	298.7	TR105-21-01	12	1090.7	172.9	207.48	N/A	1	AL 500MCM	520.15	194.52	1.5%	0.6%	0.8%	0.50%	3.5%

RULE IN INCHES:

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 106																												
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING								
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - TRUNK MESSENGER	SEGMENT VOLTAGE DROP - FEEDER TRUNK	TOTAL VOLTAGE DROP	
1	106-01	LBD-106-01	12	207.48	315	1	AL 350MCM	CU #2	160	1	AL 350MCM	CU #2	705.55	TR106-01-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	520.15	194.52	0.3%	1.5%	1.1%	0.50%	3.5%
1	106-02	LBD-106-02	12	207.48	315	1	AL 350MCM	CU #2	160	1	AL 350MCM	CU #2	674.65	TR106-02-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	520.15	194.52	0.3%	1.5%	1.1%	0.50%	3.4%
1	106-03	LBD-106-03	12	207.48	315	1	AL 350MCM	CU #2	160	1	AL 350MCM	CU #2	648.9	TR106-03-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	520.15	194.52	0.3%	1.4%	1.1%	0.50%	3.4%
1	106-04	LBD-106-04	12	207.48	315	1	AL 350MCM	CU #2	160	1	AL 350MCM	CU #2	618	TR106-04-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	520.15	194.52	0.3%	1.3%	1.1%	0.50%	3.3%
1	106-05	LBD-106-05	12	207.48	315	1	AL 350MCM	CU #2	160	1	AL 350MCM	CU #2	592.25	TR106-05-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	520.15	194.52	0.3%	1.3%	1.1%	0.50%	3.2%
1	106-06	LBD-106-06	16	276.64	400	1	AL 750MCM	CU #2	135	1	AL 750MCM	CU #2	561.35	TR106-06-01	8	1090.7	17.29	69.16	175	1	AL #4/0	175.1	129.68	0.1%	0.4%	0.4%	0.50%	1.4%
														TR106-06-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.1%	0.4%	0.2%	0.50%	1.1%
														TR106-06-03	4	1090.7	17.29	69.16	90	1	AL #4/0	118.45	64.84	0.1%	0.4%	0.1%	0.50%	1.1%
														TR106-07-01	4	1090.7	17.29	69.16	90	1	AL #4/0	175.1	64.84	0.1%	0.3%	0.2%	0.50%	1.1%
														TR106-07-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.1%	0.3%	0.2%	0.50%	1.1%
1	106-07	LBD-106-07	12	207.48	315	1	AL 350MCM	CU #2	135	1	AL 350MCM	CU #2	478.95	TR106-07-03	4	1090.7	17.29	69.16	90	1	AL #4/0	118.45	64.84	0.1%	0.3%	0.1%	0.50%	1.1%
														TR106-08-01	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.1%	0.5%	0.4%	0.50%	1.9%
														TR106-08-02	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.3%	0.4%	0.50%	1.3%
														TR106-09-01	9	1090.7	17.29	155.63	200	1	AL #4/0	448.05	145.89	0.1%	0.3%	1.2%	0.50%	2.1%
														TR106-09-02	9	1090.7	17.29	155.63	200	1	AL #4/0	422.3	145.89	0.1%	0.3%	1.1%	0.50%	2.0%
1	106-10	LBD-106-10	18	311.22	400	1	AL 750MCM	CU #2	135	1	AL 750MCM	CU #2	309	TR106-10-01	9	1090.7	17.29	155.63	200	1	AL #4/0	448.05	145.89	0.1%	0.3%	1.2%	0.50%	2.0%
														TR106-10-02	9	1090.7	17.29	155.63	200	1	AL #4/0	422.3	145.89	0.1%	0.2%	1.1%	0.50%	2.0%
														TR106-11-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.2%	0.5%	1.2%	0.50%	2.5%
														TR106-12-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.2%	0.5%	1.2%	0.50%	2.4%
														TR106-13-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.2%	0.4%	1.2%	0.50%	2.4%
2	106-14	LBD-106-14	30	172.9	250	1	AL 350MCM	CU #2	135	1	AL 350MCM	CU #2	200.85	TR106-14-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.2%	0.4%	1.2%	0.50%	2.3%
														TR106-15-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	417.15	178.31	0.3%	0.3%	1.4%	0.50%	2.5%
														TR106-16-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.2%	0.2%	1.2%	0.50%	2.2%
														TR106-17-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.3%	0.2%	1.7%	0.50%	2.6%
														TR106-18-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.3%	0.1%	1.7%	0.50%	2.6%
2	106-19	LBD-106-19	30	207.48	315	1	AL 350MCM	CU #2	135	1	AL 350MCM	CU #2	20.6	TR106-19-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.3%	0.0%	1.9%	0.50%	2.7%
														TR106-20-01	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.1%	0.0%	0.7%	0.50%	1.3%
														TR106-20-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.1%	0.0%	0.7%	0.50%	1.3%
														TR106-21-01	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.1%	0.0%	0.7%	0.50%	1.3%
														TR106-21-02	6	1090.7	17.29	103.74	150	1	AL #4/0	278.1	97.26	0.1%	0.0%	0.5%	0.50%	1.1%
2	106-21	LBD-106-21	13	224.77	315	1	AL 750MCM	CU #2	135	1	AL 750MCM	CU #2	51.5															

DC FEEDER SCHEDULE - PCS 107																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT [STRING TRUNK]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - FEEDER TRUNK	SEGMENT VOLTAGE DROP - TRUNK	TOTAL VOLTAGE DROP	
1	107-01	LBD-107-01	12	207.48	315	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	10.3	TR107-01-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.2%	0.0%	1.9%	0.50%	2.5%	
1	107-02	LBD-107-02	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	36.05	TR107-02-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.1%	1.7%	0.50%	2.4%	
1	107-03	LBD-107-03	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	20.6	TR107-03-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.0%	1.7%	0.50%	2.3%	
1	107-04	LBD-107-04	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	46.35	TR107-04-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.1%	1.7%	0.50%	2.4%	
1	107-05	LBD-107-05	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR107-05-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.0%	1.9%	0.50%	2.5%	
1	107-06	LBD-107-06	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR107-06-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
1	107-07	LBD-107-07	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	77.25	TR107-07-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%	
1	107-08	LBD-107-08	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	206	TR107-08-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.0%	1.5%	0.50%	2.2%	
1	107-09	LBD-107-09	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	46.35	TR107-09-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.1%	1.5%	0.50%	2.3%	
1	107-10	LBD-107-10	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	77.25	TR107-10-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.1%	1.5%	0.50%	2.3%	
1	107-11	LBD-107-11	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	105	TR107-11-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.1%	1.5%	0.50%	2.3%	
2	107-12	LBD-107-12	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	133.9	TR107-12-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.1%	1.5%	0.50%	2.4%	
2	107-13	LBD-107-13	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	159.65	TR107-13-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.2%	1.5%	0.50%	2.4%	
2	107-14	LBD-107-14	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	190.55	TR107-14-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.2%	1.5%	0.50%	2.4%	
2	107-15	LBD-107-15	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	216.7	TR107-15-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.3%	0.2%	1.5%	0.50%	2.4%	
2	107-16	LBD-107-16	14	242.06	400	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	242.05	TR107-16-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.3%	0.3%	1.6%	0.50%	2.6%	
2	107-17	LBD-107-17	14	242.06	400	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	272.95	TR107-17-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.3%	0.3%	1.6%	0.50%	2.7%	
2	107-18	LBD-107-18	14	242.06	400	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	298.7	TR107-18-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.3%	0.4%	1.6%	0.50%	2.7%	
2	107-19	LBD-107-19	14	242.06	400	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	328.8	TR107-19-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.3%	0.4%	1.6%	0.50%	2.7%	
2	107-20	LBD-107-20	13	224.77	315	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	375.95	TR107-20-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	636.6	210.73	0.3%	0.4%	1.5%	0.50%	2.7%	
2	107-21	LBD-107-21	15	259.35	400	1	AL 750MCM	CU #2	240	1	AL 750MCM	CU #2	813.7	TR107-21-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.1%	0.3%	0.3%	0.50%	1.3%	
														TR107-21-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.3%	0.4%	0.4%	0.50%	1.5%	
														TR107-21-03	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.50%	0.50%	0.50%	0.50%	1.8%	
2	107-22	LBD-107-22	10	172.9	250	1	AL 350MCM	CU #2	240	1	AL 350MCM	CU #2	896.1	TR107-22-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.1%	0.3%	0.3%	0.50%	1.3%	
														TR107-22-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.2%	0.8%	0.4%	0.50%	1.9%	
														TR107-22-03	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.50%	0.50%	0.50%	0.50%	1.8%	

RULE IN INCHES:

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

0

0

0

0

0

0

0

0

0

DC FEEDER SCHEDULE - PCS 109																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	109-01	LBD-109-01	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR109-01-01	9	1090.7	17.29	155.61	200	1	AL #4/0	448.05	145.89	0.0%	0.1%	1.2%	0.50%	1.8%	
1	109-02	LBD-109-02	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR109-01-02	9	1090.7	17.29	155.61	200	1	AL #4/0	422.3	145.89	0.0%	0.1%	1.1%	0.50%	1.7%	
1	109-03	LBD-109-03	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR109-03-01	11	1090.7	17.29	180.19	N/A	1	AL #4/0	448.05	145.89	0.0%	0.1%	1.3%	0.50%	2.0%	
1	109-04	LBD-109-04	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	36.05	TR109-04-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.1%	1.7%	0.50%	2.4%	
1	109-05	LBD-109-05	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	20.6	TR109-05-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.1%	1.7%	0.50%	2.3%	
1	109-06	LBD-109-06	12	207.48	315	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	46.35	TR109-06-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
1	109-07	LBD-109-07	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR109-07-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
1	109-08	LBD-109-08	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR109-08-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
1	109-09	LBD-109-09	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR109-09-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
1	109-10	LBD-109-10	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR109-10-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	0.50%	2.3%	
2	109-11	LBD-109-11	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	149.35	TR109-11-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.7%	
2	109-12	LBD-109-12	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	118.45	TR109-12-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.7%	
2	109-13	LBD-109-13	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	92.7	TR109-13-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	109-14	LBD-109-14	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	61.8	TR109-14-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	109-15	LBD-109-15	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	36.05	TR109-15-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.5%	
2	109-16	LBD-109-16	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	20.6	TR109-16-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.0%	1.9%	0.50%	2.5%	
2	109-17	LBD-109-17	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	36.05	TR109-17-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.5%	
2	109-18	LBD-109-18	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	61.8	TR109-18-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	109-19	LBD-109-19	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	92.7	TR109-19-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	109-20	LBD-109-20	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	118.45	TR109-20-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.7%	

DC FEEDER SCHEDULE - PCS 110																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	110-01	LBD-110-01	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR110-01-01	4	1090.7	17.29	69.16	90	1	AL #4/0	175.1	64.84	0.0%	0.0%	0.2%	0.50%	0.8%	
														TR110-01-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.0%	0.2%	0.50%	0.7%	
														TR110-01-03	4	1090.7	17.29	69.16	90	1	AL #4/0	118.45	64.84	0.0%	0.0%	0.1%	0.50%	0.7%	
														TR110-02-01	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.0%	0.2%	0.50%	0.7%	
1	110-02	LBD-110-02	14	242.06	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	20.6	TR110-02-02	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.0%	0.3%	0.50%	0.8%	
														TR110-02-03	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.0%	0.4%	0.50%	0.9%	
														TR110-03-01	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.0%	0.7%	0.50%	1.2%	
1	110-03	LBD-110-03	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR110-03-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.0%	0.0%	0.7%	0.50%	1.3%	
														TR110-04-01	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.1%	0.8%	0.50%	1.4%	
1	110-04	LBD-110-04	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR110-04-02	8	1090.7	17.29	138.32	175	1	AL #4/0	448.05	145.89	0.0%	0.1%	1.2%	0.50%	1.8%	
1	110-05	LBD-110-05	16	276.64	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	231.75	TR110-05-01	16	1090.7	17.29	276.64	200	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	3.0%	
1	110-06	LBD-110-06	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	200.85	TR110-06-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.3%	1.9%	0.50%	2.8%	
1	110-07	LBD-110-07	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	175.1	TR110-07-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.3%	1.9%	0.50%	2.7%	
1	110-08	LBD-110-08	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	149.35	TR110-08-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.7%	
1	110-09	LBD-110-09	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	118.45	TR110-09-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.6%	
1	110-10	LBD-110-10	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	92.7	TR110-10-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	110-11	LBD-110-11	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	61.8	TR110-11-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	110-12	LBD-110-12	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	36.05	TR110-12-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.5%	
2	110-13	LBD-110-13	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	20.6	TR110-13-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.0%	1.9%	0.50%	2.5%	
2	110-14	LBD-110-14	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	36.05	TR110-14-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.5%	
2	110-15	LBD-110-15	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	61.8	TR110-15-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	110-16	LBD-110-16	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	92.7	TR110-16-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.1%	1.9%	0.50%	2.6%	
2	110-17	LBD-110-17	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	118.45	TR110-17-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.7%	
2	110-18	LBD-110-18	18	311.22	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	149.35	TR110-18-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.2%	1.9%	0.50%	2.7%	

DC FEEDER SCHEDULE - PCS 112																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LD# NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING VOLTAGE [V]	SEGMENT VOLTAGE DROP FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP FEEDER ON MESSENGER	SEGMENT VOLTAGE DROP FEEDER TO TRUNK	TOTAL VOLTAGE DROP		
1	112-01	LRD-112-01	14	242.06	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	20.6	TR112-01-01	8	1090.7	138.13	175	1	AL #40	247.2	129.66	0.50%	0.50%	0.50%	1.50%			
														TR112-01-02	8	1090.7	103.74	150	1	AL #40	216.3	97.26	0.0%	0.0%	0.45%	0.95%			
1	112-02	LRD-112-02	16	276.64	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	36.05	TR112-02-01	7	1090.7	121.03	175	1	AL #40	319.3	113.47	0.0%	0.0%	0.7%	1.50%			
														TR112-02-02	9	1090.7	155.61	200	1	AL #40	499.55	145.89	0.0%	0.0%	1.3%	1.50%			
1	112-03	LRD-112-03	10	172.9	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	53.5	TR112-03-01	13	1090.7	172.9	125	1	AL #40	422.3	162.1	0.1%	0.1%	0.4%	1.3%			
1	112-04	LRD-112-04	11	190.19	250	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	77.25	TR112-04-01	11	1090.7	190.19	N/A	1	AL #40	528.3	178.31	0.1%	0.2%	1.7%	2.50%			
1	112-05	LRD-112-05	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	108.15	TR112-05-01	13	1090.7	224.77	N/A	1	AL 350MCM	626.3	210.73	0.1%	0.1%	1.5%	2.2%			
1	112-06	LRD-112-06	14	242.06	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	133.9	TR112-06-01	14	1090.7	242.06	N/A	1	AL 350MCM	628.3	226.94	0.1%	0.2%	1.6%	2.50%			
1	112-07	LRD-112-07	9	155.61	200	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	207.48	TR112-07-01	9	1090.7	155.61	N/A	1	AL #40	422.3	162.1	0.1%	0.1%	0.4%	1.3%			
1	112-08	LRD-112-08	12	207.48	315	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	207.48	TR112-08-01	12	1090.7	207.48	N/A	1	AL #40	551.05	194.52	0.2%	0.6%	2.0%	3.2%			
1	112-09	LRD-112-09	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	175.1	TR112-09-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	2.50%			
1	112-10	LRD-112-10	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	149.35	TR112-10-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	2.50%			
1	112-11	LRD-112-11	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	118.45	TR112-11-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	2.50%			
1	112-12	LRD-112-12	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	92.7	TR112-12-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	2.50%			
2	112-13	LRD-112-13	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	61.8	TR112-13-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	2.50%			
2	112-14	LRD-112-14	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	36.05	TR112-14-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.0%	1.6%	2.50%			
2	112-15	LRD-112-15	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	28.8	TR112-15-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.0%	1.6%	2.50%			
2	112-16	LRD-112-16	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	86.86	TR112-16-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	2.50%			
2	112-17	LRD-112-17	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	61.8	TR112-17-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	2.50%			
2	112-18	LRD-112-18	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	92.7	TR112-18-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	2.50%			
2	112-19	LRD-112-19	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	118.45	TR112-19-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	2.50%			
2	112-20	LRD-112-20	14	242.06	400	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	149.35	TR112-20-01	14	1090.7	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	2.50%			
2	112-21	LRD-112-21	13	224.77	315	1	AL 750MCM	CU #2	70	1	AL 750MCM	CU #2	175.1	TR112-21-01	13	1090.7	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.2%	1.5%	2.2%			
2	112-22	LRD-112-22	10	172.9	250	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	206	TR112-22-01	10	1090.7	172.9	N/A	1	AL #40	422.3	162.1	0.1%	0.4%	1.3%	2.50%			
2	112-23	LRD-112-23	10	172.9	250	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	231.75	TR112-23-01	10	1090.7	172.9	125	1	AL #40	422.3	162.1	0.1%	0.4%	1.3%	2.50%			
2	112-24	LRD-112-24	10	172.9	250	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	257.5	TR112-24-01	10	1090.7	172.9	N/A	1	AL #40	422.3	162.1	0.1%	0.5%	1.3%	2.50%			

DRAWING #	PROJECT/79.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKSHELL CPV BACKSHELL 1429 SHARPNESS MINE ROAD GARRETT COUNTY, MARYLAND 21561	 VANGUARD ENERGY 11111 COMMERCE STREET BOWLING GREEN, OHIO 43402 WWW.VANGUARDENERGYPARTNERS.COM	 PUREPOWER ENGINEERING 11111 COMMERCE STREET BOWLING GREEN, OHIO 43402 WWW.PUREPOWERENGINEERING.COM	DATE	REVISION DESCRIPTION	FW	END
				03/27/2024	FOR DESIGN DEVELOPMENT	RP	UP
				07/13/2024	FOR DESIGN DEVELOPMENT	RP	UP
				07/13/2024	FOR WIRING DESIGN	RP	UP
				10/19/2023	CON. DESIGN - REV 2	RP	UP



DATE: 5/26/2024 10:48 AM

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 201																												
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS			
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp] [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT [STRING IMPED] [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP
1	201-01	LBD-201-01	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	242.05	TR201-01-01	4	1090.7	17.29	69.16	90	1	AL #4/0	175.1	64.84	0.0%	0.2%	0.2%	0.50%	0.9%
														TR201-01-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.2%	0.2%	0.50%	0.9%
														TR201-01-03	4	1090.7	17.29	69.16	90	1	AL #4/0	118.45	64.84	0.0%	0.2%	0.2%	0.50%	0.9%
														TR201-02-01	9	1090.7	17.29	155.63	200	1	AL #4/0	448.05	145.89	0.0%	0.1%	1.2%	0.50%	1.9%
1	201-02	LBD-201-02	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	190.55	TR201-02-02	9	1090.7	17.29	155.63	200	1	AL #4/0	422.3	145.89	0.0%	0.1%	1.1%	0.50%	1.8%
														TR201-03-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	0.3%	0.50%	2.2%
1	201-03	LBD-201-03	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.9	TR201-04-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	0.2%	0.50%	2.1%
1	201-05	LBD-201-05	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	TR201-05-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.2%	0.3%	0.50%	2.1%
1	201-06	LBD-201-06	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	77.25	TR201-06-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	1.3%	0.50%	2.0%
1	201-07	LBD-201-07	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR201-07-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	1.3%	0.50%	2.0%
1	201-08	LBD-201-08	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR201-08-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	525.3	178.11	0.1%	0.0%	1.7%	0.50%	2.4%
1	201-09	LBD-201-09	10	172.9	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	36.05	TR201-09-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.1%	0.1%	0.50%	1.9%
2	201-10	LBD-201-10	15	259.35	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	20.6	TR201-10-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.0%	1.9%	0.50%	2.5%
2	201-11	LBD-201-11	15	259.35	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	46.35	TR201-11-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%
2	201-12	LBD-201-12	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR201-12-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.0%	2.1%	0.50%	2.7%
2	201-13	LBD-201-13	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR201-13-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.7%
2	201-14	LBD-201-14	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR201-14-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.8%
2	201-15	LBD-201-15	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR201-15-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.8%
2	201-16	LBD-201-16	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR201-16-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.2%	2.1%	0.50%	2.8%

DC FEEDER SCHEDULE - PCS 202																												
OVERALL OUTPUT CIRCUIT PARAMETERS						FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS						TRUNK ON RACKING								
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING VOLTAGE (STRING) [V]	SEGMENT VOLTAGE DROP (FEEDER UNDERGROUND)	SEGMENT VOLTAGE DROP (FEEDER ON MESSENGER)	SEGMENT VOLTAGE DROP (TRUNK)	TOTAL VOLTAGE DROP	
1	202-01	LBD-202-01	18	311.22	400	1	AL 750MCM	CU #2	1010	1	AL 750MCM	CU #2	10.3	TR202-01-01	7	1090.7	17.29	121.03	175	1	AL #4/0	159.65	113.47	0.6%	0.0%	0.3%	0.50%	1.4%
														TR202-01-02	6	1090.7	17.29	103.74	150	1	AL #4/0	92.7	97.26	0.6%	0.0%	0.2%	0.50%	1.3%
														TR202-01-03	5	1090.7	17.29	86.45	110	1	AL #4/0	46.35	81.05	0.6%	0.0%	0.1%	0.50%	1.2%
														TR202-01-04	7	1090.7	17.29	121.03	175	1	AL #4/0	72.1	113.47	0.6%	0.0%	0.2%	0.50%	1.2%
1	202-02	LBD-202-02	18	311.22	400	1	AL 750MCM	CU #2	1010	1	AL 750MCM	CU #2	10.3	TR202-02-01	7	1090.7	17.29	121.03	175	1	AL #4/0	128.75	97.26	0.6%	0.0%	0.2%	0.50%	1.4%
														TR202-02-02	6	1090.7	17.29	103.74	150	1	AL #4/0	92.7	97.26	0.6%	0.0%	0.2%	0.50%	1.3%
														TR202-02-03	5	1090.7	17.29	86.45	110	1	AL #4/0	185.4	81.05	0.6%	0.0%	0.3%	0.50%	1.4%
														TR202-02-04	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.5%	1.9%	0.50%	3.0%
1	202-03	LBD-202-03	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	216.3	TR202-04-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.4%	1.9%	0.50%	2.9%
														TR202-05-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.3%	1.9%	0.50%	2.8%
														TR202-06-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.3%	1.9%	0.50%	2.8%
														TR202-07-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.2%	1.9%	0.50%	2.7%
1	202-08	LBD-202-08	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	77.25	TR202-08-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.2%	1.9%	0.50%	2.7%
														TR202-09-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.1%	1.9%	0.50%	2.6%
														TR202-10-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	525.3	184.52	0.1%	0.0%	1.9%	0.50%	2.5%
														TR202-11-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	525.3	178.11	0.1%	0.0%	1.7%	0.50%	2.4%
2	202-12	LBD-202-12	17	293.93	400	1	AL 750MCM	CU #2	110	1	AL 750MCM	CU #2	30.9	TR202-12-01	9	1090.7	17.29	155.61	200	1	AL #4/0	422.3	145.89	0.1%	0.0%	1.1%	0.50%	1.7%
														TR202-12-02	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.1%	0.0%	0.8%	0.50%	1.4%
														TR202-12-03	6	1090.7	17.29	103.74	150	1	AL #4/0	242.05	97.26	0.1%	0.0%	0.4%	0.50%	1.0%
														TR202-13-01	6	1090.7	17.29	103.74	150	1	AL #4/0	267.8	97.26	0.1%	0.0%	0.5%	0.50%	1.1%
2	202-13	LBD-202-13	18	311.22	400	1	AL 750MCM	CU #2	110	1	AL 750MCM	CU #2	51.5	TR202-14-01	8	1090.7	17.29	155.61	200	1	AL #4/0	422.3	145.89	0.1%	0.0%	1.1%	0.50%	1.8%
														TR202-14-02	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.1%	0.0%	0.8%	0.50%	1.4%
														TR202-15-01	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.1%	0.0%	0.8%	0.50%	1.4%
														TR202-15-02	6	1090.7	17.29	103.74	150	1	AL #4/0	288.4	97.26	0.1%	0.0%	0.5%	0.50%	1.2%
2	202-16	LBD-202-16	12	207.48	315	1	AL 350MCM	CU #2	185	1	AL 350MCM	CU #2	149.35	TR202-16-01	12	1090.7	17.29	216.3	150	1	AL #4/0	216.3	97.26	0.2%	0.4%	1.5%	1.3%	
														TR202-16-02	6	1090.7	17.29	103.74	150	1	AL #4/0	242.05	97.26	0.2%	0.2%	0.4%	0.50%	1.1%

RULE IN INCHES:

DATE: 5/26/2024

BY: J. B. BROWN

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

DC FEEDER SCHEDULE - PCS 204																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING FEEDER MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TO TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	TOTAL VOLTAGE DROP		
1	204-01	LBD-204-01	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	721	TR204-01-01	7	1090.7	17.29	121.03	175	1	AL #4/0	175.1	113.47	0.0%	0.4%	0.4%	0.50%	1.3%	
														TR204-01-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.4%	0.4%	0.50%	1.3%	
														TR204-01-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.4%	0.4%	0.50%	1.3%	
														TR204-02-01	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.4%	0.4%	0.50%	1.3%	
1	204-02	LBD-204-02	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	721	TR204-02-02	7	1090.7	17.29	121.03	175	1	AL #4/0	318.3	113.47	0.0%	0.4%	0.7%	0.50%	1.6%	
														TR204-03-01	7	1090.7	17.29	121.03	175	1	AL #4/0	318.3	113.47	0.0%	0.4%	0.7%	0.50%	1.7%	
														TR204-03-02	7	1090.7	17.29	121.03	175	1	AL #4/0	318.3	113.47	0.0%	0.4%	0.7%	0.50%	1.6%	
														TR204-04-01	8	1090.7	17.29	138.32	175	1	AL #4/0	211.15	129.68	0.0%	0.1%	0.5%	0.50%	1.2%	
1	204-04	LBD-204-04	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	190.55	TR204-04-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.1%	0.4%	0.50%	1.0%	
														TR204-04-03	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.3%	0.50%	1.0%	
														TR204-05-01	6	1090.7	17.29	103.74	150	1	AL #4/0	272.95	97.26	0.0%	0.1%	0.5%	0.50%	1.1%	
														TR204-05-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.1%	0.4%	0.50%	1.0%	
1	204-05	LBD-204-05	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR204-05-03	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.1%	0.4%	0.50%	1.0%	
														TR204-06-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.5%	
														TR204-07-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.4%	
														TR204-08-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.0%	1.8%	0.50%	2.4%	
1	204-09	LBD-204-09	16	276.64	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	36.05	TR204-09-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.0%	2.1%	0.50%	2.7%	
														TR204-10-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.0%	2.1%	0.50%	2.7%	
														TR204-11-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.7%	
														TR204-12-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.0%	1.8%	0.50%	2.4%	
2	204-13	LBD-204-13	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR204-13-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.4%	
														TR204-14-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.5%	
														TR204-15-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.5%	
														TR204-16-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.2%	1.8%	0.50%	2.5%	
2	204-17	LBD-204-17	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	TR204-17-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.2%	1.8%	0.50%	2.6%	

DC FEEDER SCHEDULE - PCS 205																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TO TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	205-01	LBD-205-01	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	741.6	TR205-01-01	5	1090.7	17.29	86.45	110	1	AL #4/0	334.75	81.05	0.0%	0.3%	0.5%	0.50%	1.3%	
													TR205-01-02	8	1090.7	17.29	138.32	175	1	AL #4/0	334.75	129.68	0.0%	0.3%	0.8%	0.50%	1.6%		
1	205-02	LBD-205-02	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	695.25	TR205-02-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	1.3%	1.3%	0.50%	3.1%	
1	205-03	LBD-205-03	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	664.35	TR205-03-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	1.2%	1.3%	0.50%	3.1%	
1	205-04	LBD-205-04	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	597.4	TR205-04-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	520.15	178.31	0.1%	1.2%	1.3%	0.50%	2.8%	
1	205-05	LBD-205-05	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	566.5	TR205-05-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	1.1%	1.7%	0.50%	3.4%	
1	205-06	LBD-205-06	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	180.25	TR205-06-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	834.3	291.78	0.1%	0.3%	1.9%	0.50%	2.8%	
1	205-07	LBD-205-07	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR205-07-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.2%	1.8%	0.50%	2.5%	
1	205-08	LBD-205-08	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR205-08-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.5%	
1	205-09	LBD-205-09	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR205-09-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%	
1	205-10	LBD-205-10	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR205-10-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%	
1	205-11	LBD-205-11	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR205-11-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.0%	1.9%	0.50%	2.6%	
1	205-12	LBD-205-12	12	207.48	315	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	36.05	TR205-12-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.5%	
2	205-13	LBD-205-13	12	207.48	315	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	20.6	TR205-13-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.0%	1.9%	0.50%	2.5%	
2	205-14	LBD-205-14	12	207.48	315	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	46.35	TR205-14-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
2	205-15	LBD-205-15	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR205-15-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	422.3	162.1	0.1%	0.0%	1.3%	0.50%	1.9%	
2	205-16	LBD-205-16	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR205-16-01	9	1090.7	17.29	155.61	200	1	AL #4/0	417.15	145.89	0.0%	0.0%	1.1%	0.50%	1.7%	
													TR205-16-02	9	1090.7	17.29	155.61	200	1	AL #4/0	448.05	145.89	0.0%	0.0%	1.2%	0.50%	1.8%		
2	205-17	LBD-205-17	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR205-17-01	18	1090.7	17.29	311.22	N/A	1	AL #4/0	417.15	145.89	0.1%	0.1%	1.5%	0.50%	1.7%	
													TR205-17-02	9	1090.7	17.29	155.61	200	1	AL #4/0	448.05	145.89	0.0%	0.1%	1.2%	0.50%	1.8%		
2	205-18	LBD-205-18	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	159.65	TR205-18-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.3%	1.2%	0.50%	2.1%	
2	205-19	LBD-205-19	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	190.35	TR205-19-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.4%	1.7%	0.50%	2.7%	
2	205-20	LBD-205-20	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	216.3	TR205-20-01	14	1090.7	17.29	172.9	N/A	1	AL 350MCM	618	226.94	0.1%	0.4%	1.6%	0.50%	2.4%	
2	205-21	LBD-205-21	16	276.64	300	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	242.05	TR205-21-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.3%	2.1%	0.50%	3.0%	

DATE: 5/26/2024 10:48 AM

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 207																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPP SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPP SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	207-01	LBD-207-01	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	216.3	TR207-01-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.4%	1.7%	0.50%	2.8%	
1	207-02	LBD-207-02	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	190.55	TR207-02-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.4%	1.7%	0.50%	2.7%	
1	207-03	LBD-207-03	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.95	TR207-03-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.3%	1.7%	0.50%	2.6%	
1	207-04	LBD-207-04	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR207-04-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.1%	1.5%	0.50%	2.2%	
1	207-05	LBD-207-05	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR207-05-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.1%	1.5%	0.50%	2.1%	
1	207-06	LBD-207-06	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR207-06-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.1%	1.5%	0.50%	2.1%	
1	207-07	LBD-207-07	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR207-07-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.1%	1.5%	0.50%	2.1%	
1	207-08	LBD-207-08	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR207-08-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.0%	1.9%	0.50%	2.5%	
1	207-09	LBD-207-09	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	36.05	TR207-09-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.1%	1.7%	0.50%	2.4%	
1	207-10	LBD-207-10	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	20.6	TR207-10-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.0%	1.7%	0.50%	2.3%	
1	207-11	LBD-207-11	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	46.35	TR207-11-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.1%	1.7%	0.50%	2.4%	
1	207-12	LBD-207-12	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR207-12-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.0%	1.9%	0.50%	2.5%	
2	207-13	LBD-207-13	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR207-13-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
2	207-14	LBD-207-14	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	77.25	TR207-14-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%	
2	207-15	LBD-207-15	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	TR207-15-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%	
2	207-16	LBD-207-16	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.9	TR207-16-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.3%	1.7%	0.50%	2.6%	
2	207-17	LBD-207-17	30	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	159.65	TR207-17-01	30	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.3%	1.2%	0.50%	2.1%	
2	207-18	LBD-207-18	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	190.55	TR207-18-01	18	1090.7	17.29	311.22	250	1	AL #4/0	417.15	162.1	0.1%	0.2%	1.2%	0.50%	2.0%	
2	207-19	LBD-207-19	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	247.2	TR207-19-01	14	1090.7	17.29	242.06	250	1	AL #4/0	345.05	129.68	0.1%	0.2%	0.8%	0.50%	1.5%	
2	207-20	LBD-207-20	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	208.7	TR207-20-01	14	1090.7	17.29	242.06	250	1	AL #4/0	345.05	129.68	0.1%	0.2%	0.8%	0.50%	1.5%	
2	207-21	LBD-207-21	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	355.35	TR207-21-01	14	1090.7	17.29	242.06	250	1	AL #4/0	319.3	113.47	0.0%	0.2%	0.7%	0.50%	1.4%	
2	207-22	LBD-207-22	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	412	TR207-22-01	13	1090.7	17.29	224.77	150	1	AL #4/0	345.05	129.68	0.1%	0.2%	0.7%	0.50%	1.5%	
2	207-22	LBD-207-22	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	412	TR207-22-02	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.0%	0.2%	0.4%	0.50%	1.2%	

DC FEEDER SCHEDULE - PCS 208																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING				VOLTAGE DROP CALCS							
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT [STRING] [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP [STRING TO TRUNK]	TOTAL VOLTAGE DROP	
1	208-01	LBD-208-01	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	272.95	TR208-01-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.35	0.1%	0.4%	2.1%	0.50%	3.0%	
1	208-02	LBD-208-02	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	242.05	TR208-02-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	243.15	0.1%	0.3%	2.1%	0.50%	3.0%	
1	208-03	LBD-208-03	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	216.3	TR208-03-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.3%	1.9%	0.50%	2.8%	
1	208-04	LBD-208-04	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	190.55	TR208-04-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	0.50%	2.4%	
1	208-05	LBD-208-05	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	159.65	TR208-05-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.3%	1.9%	0.50%	2.8%	
1	208-06	LBD-208-06	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.9	TR208-06-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.3%	1.9%	0.50%	2.8%	
1	208-07	LBD-208-07	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	TR208-07-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%	
1	208-08	LBD-208-08	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	77.25	TR208-08-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%	
1	208-09	LBD-208-09	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR208-09-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
1	208-10	LBD-208-10	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR208-10-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	208-11	LBD-208-11	13	224.77	315	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	36.05	TR208-11-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.0%	1.5%	0.50%	2.1%	
1	208-12	LBD-208-12	14	242.06	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	20.6	TR208-12-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	208-13	LBD-208-13	14	242.06	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	46.35	TR208-13-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.1%	1.6%	0.50%	2.3%	
2	208-14	LBD-208-14	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR208-14-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.0%	1.9%	0.50%	2.6%	
2	208-15	LBD-208-15	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR208-15-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%	
2	208-16	LBD-208-16	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR208-16-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%	
2	208-17	LBD-208-17	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR208-17-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.7%	
2	208-18	LBD-208-18	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR208-18-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	0.50%	2.7%	
2	208-19	LBD-208-19	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	TR208-19-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	0.50%	2.7%	
2	208-20	LBD-208-20	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	190.55	TR208-20-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	0.50%	2.8%	



Ruler in inches: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

DC FEEDER SCHEDULE - PCS 210																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPD SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPD SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	210-01	LBD-210-01	13	224.77	315	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	551.05	TR210-01-01	4	1090.7	69.16	90	1	AL #4/0	175.1	64.84	0.0%	0.4%	0.2%	0.50%	1.1%		
														TR210-01-02	4	1090.7	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.4%	0.2%	0.50%	1.1%		
														TR210-01-03	5	1090.7	86.45	110	1	AL #4/0	118.45	81.05	0.0%	0.4%	0.2%	0.50%	1.1%		
1	LBD-210-02	14	242.06	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	484.1	TR210-02-01	7	1090.7	121.03	175	1	AL #4/0	350.2	113.47	0.0%	0.6%	0.7%	0.50%	1.9%			
													TR210-02-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.6%	0.7%	0.50%	1.8%			
													TR210-02-03	7	1090.7	121.03	175	1	AL #4/0	305.30	113.47	0.0%	0.6%	0.7%	0.50%	1.8%			
1	210-03	LBD-210-03	14	242.06	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	401.7	TR210-03-01	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.5%	0.7%	0.50%	1.7%		
														TR210-04-01	7	1090.7	121.03	175	1	AL #4/0	355.35	113.47	0.0%	0.4%	0.7%	0.50%	1.7%		
														TR210-04-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.4%	0.7%	0.50%	1.6%		
1	210-05	LBD-210-05	14	242.06	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	272.95	TR210-05-01	7	1090.7	121.03	175	1	AL #4/0	355.35	113.47	0.0%	0.3%	0.7%	0.50%	1.6%		
														TR210-05-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.3%	0.7%	0.50%	1.5%		
														TR210-06-01	7	1090.7	121.03	175	1	AL #4/0	355.35	113.47	0.0%	0.3%	0.7%	0.50%	1.5%		
1	210-06	LBD-210-06	14	242.06	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	211.15	TR210-06-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.3%	0.7%	0.50%	1.5%		
														TR210-07-01	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.3%	0.7%	0.50%	1.5%		
														TR210-07-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.2%	0.7%	0.50%	1.4%		
1	210-08	LBD-210-08	14	242.06	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	82.4	TR210-08-01	7	1090.7	121.03	175	1	AL #4/0	355.35	113.47	0.0%	0.1%	0.7%	0.50%	1.4%		
														TR210-08-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.1%	0.7%	0.50%	1.3%		
														TR210-09-01	7	1090.7	121.03	175	1	AL #4/0	355.35	113.47	0.0%	0.0%	0.7%	0.50%	1.3%		
1	210-09	LBD-210-09	14	242.06	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	20.6	TR210-09-02	7	1090.7	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.0%	0.7%	0.50%	1.2%		
														TR210-10-01	6	1090.7	103.74	150	1	AL #4/0	216.3	97.26	0.1%	0.0%	0.4%	0.50%	1.0%		
														TR210-10-02	6	1090.7	103.74	150	1	AL #4/0	247.2	97.26	0.1%	0.0%	0.4%	0.50%	1.0%		
2	210-11	LBD-210-11	16	276.64	400	1	AL 750MCM	CU #2	100	1	AL 350MCM	CU #2	20.6	TR210-11-03	8	1090.7	138.32	175	1	AL #4/0	319.3	129.68	0.1%	0.0%	0.8%	0.50%	1.4%		
														TR210-12-01	8	1090.7	138.32	175	1	AL #4/0	355.35	129.68	0.1%	0.0%	0.8%	0.50%	1.4%		
														TR210-12-02	8	1090.7	138.32	175	1	AL #4/0	319.3	129.68	0.1%	0.1%	0.8%	0.50%	1.4%		
2	210-12	LBD-210-12	16	276.64	400	1	AL 750MCM	CU #2	100	1	AL 350MCM	CU #2	82.4	TR210-13-01	9	1090.7	155.61	200	1	AL #4/0	422.3	145.89	0.1%	0.2%	1.1%	0.50%	1.9%		
														TR210-13-02	9	1090.7	155.61	200	1	AL #4/0	453.2	145.89	0.1%	0.2%	1.2%	0.50%	2.0%		
														TR210-14-01	9	1090.7	155.61	N/A	1	AL #4/0	422.3	145.89	0.2%	0.6%	1.1%	0.50%	2.4%		
2	210-14	LBD-210-14	9	155.61	200	1	AL 350MCM	CU #2	100	1	AL #4/0	CU #2	211.15	TR210-15-01	10	1090.7	172.9	N/A	1	AL #4/0	422.3	162.1	0.2%	0.7%	1.3%	0.50%	2.7%		
														TR210-16-01	10	1090.7	172.9	N/A	1	AL #4/0	422.3	162.1	0.2%	0.8%	1.3%	0.50%	2.7%		
														TR210-17-01	10	1090.7	172.9	N/A	1	AL #4/0	422.3	162.1	0.2%	0.9%	1.3%	0.50%	2.9%		
2	210-18	LBD-210-18	10	172.9	250	1	AL 350MCM	CU #2	100	1	AL #4/0	CU #2	339.9	TR210-18-01	10	1090.7	172.9	N/A	1	AL #4/0	422.3	162.1	0.2%	1.0%	1.3%	0.50%	2.9%		
														TR210-19-01	9	1090.7	155.61	200	1	AL #4/0	422.3	145.89	0.1%	0.4%	1.1%	0.50%	2.1%		
														TR210-19-02	9	1090.7	155.61	200	1	AL #4/0	453.2	145.89	0.1%	0.4%	1.2%	0.50%	2.2%		
2	210-20	LBD-210-20	15	259.35	400	1	AL 750MCM	CU #2	100	1	AL 350MCM	CU #2	432.6	TR210-20-01	10	1090.7	155.61	200	1	AL #4/0	422.3	145.89	0.1%	0.7%	1.1%	0.50%	2.4%		
														TR210-20-02	6	1090.7	103.74	150	1	AL #4/0	242.05	97.26	0.1%	0.7%	0.4%	0.50%	1.7%		

DC FEEDER SCHEDULE - PCS 211																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPD SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPD SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING Fwd) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	211-01	LBD-211-01	18	311.22	400	1	AL 750MCM	CU #2	55	1	AL 500MCM	CU #2	618	TR211-01-01	6	1090.7	17.29	103.74	150	1	AL #4/0	283.25	97.26	0.0%	0.5%	0.5%	0.50%	1.5%	
														TR211-01-02	6	1090.7	17.29	103.74	150	1	AL #4/0	252.35	97.26	0.0%	0.5%	0.5%	0.50%	1.4%	
														TR211-01-03	6	1090.7	17.29	103.74	150	1	AL #4/0	221.45	97.26	0.0%	0.5%	0.4%	0.50%	1.4%	
														TR211-02-01	6	1090.7	17.29	103.74	150	1	AL #4/0	283.25	97.26	0.0%	0.4%	0.5%	0.50%	1.4%	
1	211-02	LBD-211-02	18	311.22	400	1	AL 750MCM	CU #2	55	1	AL 500MCM	CU #2	525.3	TR211-02-02	6	1090.7	17.29	103.74	150	1	AL #4/0	252.35	97.26	0.0%	0.4%	0.5%	0.50%	1.4%	
														TR211-02-03	6	1090.7	17.29	103.74	150	1	AL #4/0	221.45	97.26	0.0%	0.4%	0.4%	0.50%	1.3%	
														TR211-03-01	6	1090.7	17.29	103.74	150	1	AL #4/0	283.25	97.26	0.0%	0.3%	0.5%	0.50%	1.4%	
														TR211-03-02	6	1090.7	17.29	103.74	150	1	AL #4/0	252.35	97.26	0.0%	0.3%	0.5%	0.50%	1.3%	
1	211-03	LBD-211-03	18	311.22	400	1	AL 750MCM	CU #2	55	1	AL 500MCM	CU #2	427.45	TR211-03-03	6	1090.7	17.29	103.74	150	1	AL #4/0	252.35	97.26	0.0%	0.3%	0.5%	0.50%	1.3%	
														TR211-03-04	6	1090.7	17.29	103.74	150	1	AL #4/0	221.45	97.26	0.0%	0.3%	0.4%	0.50%	1.2%	
														TR211-04-01	6	1090.7	17.29	103.74	150	1	AL #4/0	252.35	97.26	0.0%	0.3%	0.4%	0.50%	1.3%	
														TR211-04-02	5	1090.7	17.29	86.45	110	1	AL #4/0	257.5	81.05	0.0%	0.4%	0.4%	0.50%	1.3%	
1	211-04	LBD-211-04	15	259.35	400	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	329.6	TR211-04-03	4	1090.7	17.29	69.16	90	1	AL #4/0	123.6	64.84	0.0%	0.4%	0.1%	0.50%	1.0%	
														TR211-05-01	7	1090.7	17.29	121.03	175	1	AL #4/0	236.9	113.47	0.0%	0.2%	0.5%	0.50%	1.2%	
														TR211-05-02	6	1090.7	17.29	103.74	150	1	AL #4/0	144.25	64.84	0.0%	0.2%	0.5%	0.50%	1.1%	
														TR211-06-01	7	1090.7	17.29	121.03	175	1	AL #4/0	236.9	113.47	0.0%	0.5%	0.5%	0.50%	1.1%	
1	211-06	LBD-211-06	13	224.77	315	1	AL 750MCM	CU #2	55	1	AL 350MCM	CU #2	20.6	TR211-06-02	6	1090.7	17.29	103.74	150	1	AL #4/0	61.8	97.26	0.0%	0.0%	0.1%	0.50%	0.7%	
														TR211-07-01	5	1090.7	17.29	86.45	110	1	AL #4/0	107.7	81.05	0.1%	0.0%	0.1%	0.50%	0.8%	
														TR211-07-02	6	1090.7	17.29	103.74	150	1	AL #4/0	113.3	64.84	0.1%	0.2%	0.5%	0.50%	0.9%	
														TR211-07-03	6	1090.7	17.29	103.74	150	1	AL #4/0	208	97.26	0.1%	0.0%	0.4%	0.50%	1.0%	
1	211-08	LBD-211-08	18	311.22	400	1	AL 750MCM	CU #2	340	1	AL 500MCM	CU #2	267.8	TR211-08-01	6	1090.7	17.29	103.74	150	1	AL #4/0	46.35	97.26	0.2%	0.2%	0.1%	0.50%	1.0%	
														TR211-08-02	6	1090.7	17.29	103.74	150	1	AL #4/0	108.15	97.26	0.1%	0.0%	0.2%	0.50%	0.8%	
														TR211-08-03	6	1090.7	17.29	103.74	150	1	AL #4/0	195.7	97.26	0.2%	0.3%	0.2%	0.50%	1.2%	
														TR211-09-01	4	1090.7	17.29	69.16	90	1	AL #4/0	133.9	64.84	0.1%	0.2%	0.2%	0.50%	1.0%	
2	211-09	LBD-211-09	18	311.22	400	1	AL 750MCM	CU #2	340	1	AL 500MCM	CU #2	494.4	TR211-09-02	5	1090.7	17.29	86.45	110	1	AL #4/0	278.1	81.05	0.2%	0.4%	0.5%	0.50%	1.3%	
														TR211-09-03	9	1090.7	17.29	155.61	200	1	AL #4/0	216.3	145.89	0.1%	0.2%	0.6%	0.50%	1.4%	
														TR211-10-01	7	1090.7	17.29	155.61	200	1	AL #4/0	97.85	145.89	0.1%	0.3%	0.5%	0.50%	1.3%	
														TR211-10-02	6	1090.7	17.29	103.74	150	1	AL #4/0	130.55	97.26	0.1%	0.2%	0.3%	0.50%	1.2%	
2	211-11	LBD-211-11	16	276.64	400	1	AL 750MCM	CU #2	130	1	AL 350MCM	CU #2	231.75	TR211-11-01	7	1090.7	17.29	121.03	175	1	AL #4/0	169.95	113.47	0.1%	0.3%	0.4%	0.50%	1.2%	
														TR211-11-02	4	1090.7	17.29	69.16	90	1	AL #4/0	216.1	64.84	0.1%	0.3%	0.3%	0.50%	1.1%	
														TR211-11-03	5	1090.7	17.29	86.45	110	1	AL #4/0	160.15	81.05	0.1%	0.3%	0.5%	0.50%	1.3%	
														TR211-12-01	5	1090.7	17.29	86.45	110	1	AL #4/0	226.6	81.05	0.1%	0.3%	0.3%	0.50%	1.1%	
2	211-12	LBD-211-12	17	293.93	400	1	AL 750MCM	CU #2	130	1	AL 500MCM	CU #2	406.85	TR211-12-02	6	1090.7	17.29	103.74	150	1	AL #4/0	272.95	97.26	0.1%	0.3%	0.5%	0.50%	1.3%	
														TR211-12-03	6	1090.7	17.29	103.74	150	1	AL #4/0	314.15	97.26	0.1%	0.3%	0.6%	0.50%	1.4%	
														TR211-13-01	6	1090.7	17.29	103.74	150	1	AL #4/0	226.6	97.26	0.1%	0.4%	0.4%	0.50%	1.4%	
														TR211-13-02	6	1090.7	17.29	103.74	150	1	AL #4/0	272.95	97.26	0.1%	0.3%	0.5%	0.50%	1.3%	
2	211-13	LBD-211-13	17	293.93	400	1	AL 750MCM	CU #2	130	1	AL 500MCM	CU #2	545.9	TR211-13-03	5	1090.7	17.29	86.45	110	1	AL #4/0	314.15	81.05	0.1%	0.4%	0.5%	0.50%	1.4%	
														TR211-14-01	5	1090.7	17.29	86.45	110	1	AL #4/0	226.6	81.05	0.1%	0.4%	0.3%	0.50%	1.3%	
														TR211-14-02	6	1090.7	17.29	103.74	150	1	AL #4/0	272.95	97.26	0.1%	0.4%	0.5%	0.50%	1.5%	
														TR211-14-03	6	1090.7	17.29	103.74	150	1	AL #4/0	214.15	97.26	0.1%	0.4%	0.5%	0.50%	1.3%	
2	211-15	LBD-211-15	18	311.22	400	1	AL 750MCM	CU #2	130	1	AL 500MCM	CU #2	808.55	TR211-15-01	6	1090.7	17.29	103.74	150	1	AL #4/0	226.6	97.26	0.1%	0.6%	0.4%	0.50%	1.6%	
														TR211-15-02	6	1090.7	17.29	103.74	150	1	AL #4/0	272.95	97.26	0.1%	0.4%	0.5%	0.50%	1.5%	
														TR211-15-03	6	1090.7	17.29	103.74	150	1	AL #4/0	288.4	97.26	0.1%	0.6%	0.5%	0.50%	1.7%	
														TR211-16-01	8	1090.7	17.29	138.32	175	1	AL #4/0	216.1	97.26	0.1%	0.5%	0.5%	0.50%	1.3%	
2	211-16	LBD-211-16	14	242.06	400	1	AL 750MCM	CU #2	130	1	AL 350MCM	CU #2	911.55	TR211-16-02	8	1090.7	17.29	138.32	175	1	AL #4/0	257.5	129.68	0.1%	0.6%	0.6%	0.50%	1.8%	

RULED SCALE: 3/16"=1'-0"

9'

18'

15'

14'

12'

12'

11'

10'

8'

7'

6'

5'

4'

3'

2'

1'

0'

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 301																			
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]
1	301-01	LBD-301-01	18	311.22	400	1	AL 750MCM	CU #2	370	1	AL 750MCM	CU #2	103	TR301-01-01	18	1090.7	17.29	311.22	N/A
1	301-02	LBD-301-02	18	311.22	400	1	AL 750MCM	CU #2	370	1	AL 750MCM	CU #2	77.25	TR301-02-01	18	1090.7	17.29	311.22	N/A
1	301-03	LBD-301-03	18	311.22	400	1	AL 750MCM	CU #2	370	1	AL 750MCM	CU #2	46.35	TR301-03-01	18	1090.7	17.29	311.22	N/A
1	301-04	LBD-301-04	18	311.22	400	1	AL 750MCM	CU #2	370	1	AL 750MCM	CU #2	20.6	TR301-04-01	18	1090.7	17.29	311.22	N/A
1	301-05	LBD-301-05	12	207.48	315	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	10.3	TR301-05-01	12	1090.7	17.29	207.48	N/A
1	301-06	LBD-301-06	11	190.19	250	1	AL 350MCM	CU #2	70	1	AL 350MCM	CU #2	10.3	TR301-06-01	11	1090.7	17.29	190.19	N/A
1	301-07	LBD-301-07	10	172.9	250	1	AL 350MCM	CU #2	105	1	AL 350MCM	CU #2	20.6	TR301-07-01	10	1090.7	17.29	172.9	N/A
1	301-08	LBD-301-08	12	207.48	315	1	AL 350MCM	CU #2	105	1	AL 350MCM	CU #2	20.6	TR301-08-01	12	1090.7	17.29	207.48	N/A
1	301-09	LBD-301-09	10	172.9	250	1	AL 350MCM	CU #2	105	1	AL 350MCM	CU #2	46.35	TR301-09-01	10	1090.7	17.29	172.9	N/A
1	301-10	LBD-301-10	12	207.48	315	1	AL 350MCM	CU #2	105	1	AL 350MCM	CU #2	46.35	TR301-10-01	12	1090.7	17.29	207.48	N/A
1	301-11	LBD-301-11	18	311.22	400	1	AL 750MCM	CU #2	610	1	AL 750MCM	CU #2	20.6	TR301-11-01	4	1090.7	17.29	69.16	90
1	301-12	LBD-301-12	9	155.61	200	1	AL 350MCM	CU #2	610	1	AL 350MCM	CU #2	133.9	TR301-12-01	10	1090.7	17.29	172.9	N/A
2	302-14	LBD-302-14	10	172.9	250	1	AL 350MCM	CU #2	610	1	AL 350MCM	CU #2	108.15	TR302-14-01	10	1090.7	17.29	172.9	N/A
2	303-13	LBD-303-13	10	172.9	250	1	AL 350MCM	CU #2	610	1	AL 350MCM	CU #2	108.15	TR303-13-01	10	1090.7	17.29	172.9	N/A
2	303-14	LBD-303-14	10	172.9	250	1	AL 350MCM	CU #2	610	1	AL 350MCM	CU #2	133.9	TR303-14-01	10	1090.7	17.29	172.9	N/A
2	303-15	LBD-303-15	13	224.77	315	1	AL 750MCM	CU #2	610	1	AL 750MCM	CU #2	164.8	TR303-15-01	13	1090.7	17.29	224.77	N/A
2	303-16	LBD-303-16	13	224.77	315	1	AL 750MCM	CU #2	610	1	AL 750MCM	CU #2	190.55	TR303-16-01	13	1090.7	17.29	224.77	N/A
2	303-17	LBD-303-17	14	242.06	400	1	AL 750MCM	CU #2	610	1	AL 750MCM	CU #2	216.3	TR303-17-01	14	1090.7	17.29	242.06	N/A
2	303-18	LBD-303-18	15	259.35	400	1	AL 750MCM	CU #2	610	1	AL 750MCM	CU #2	217.2	TR303-18-01	15	1090.7	17.29	259.35	N/A
2	303-19	LBD-303-19	15	259.35	400	1	AL 750MCM	CU #2	610	1	AL 750MCM	CU #2	272.95	TR303-19-01	15	1090.7	17.29	259.35	N/A
2	303-20	LBD-303-20	9	155.61	200	1	AL 350MCM	CU #2	610	1	AL 350MCM	CU #2	602.55	TR303-20-01	9	1090.7	17.29	155.61	N/A

DC FEEDER SCHEDULE - PCS 302																			
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]
1	302-01	LBD-302-01	12	207.48	315	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	77.25	TR302-01-01	12	1090.7	17.29	207.48	N/A
1	302-02	LBD-302-02	10	172.9	250	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	77.25	TR302-02-01	10	1090.7	17.29	172.9	N/A
1	302-03	LBD-302-03	9	155.61	200	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	51.5	TR302-03-01	9	1090.7	17.29	155.61	N/A
1	302-04	LBD-302-04	10	172.9	250	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	51.5	TR302-04-01	10	1090.7	17.29	172.9	N/A
1	302-05	LBD-302-05	9	155.61	200	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	20.6	TR302-05-01	9	1090.7	17.29	155.61	N/A
1	302-06	LBD-302-06	10	172.9	250	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	20.6	TR302-06-01	10	1090.7	17.29	172.9	N/A
1	302-07	LBD-302-07	18	311.22	400	1	AL 750MCM	CU #2	145	1	AL 750MCM	CU #2	10.3	TR302-07-01	18	1090.7	17.29	311.22	N/A
1	302-08	LBD-302-08	17	291.93	400	1	AL 750MCM	CU #2	145	1	AL 750MCM	CU #2	56.65	TR302-08-01	17	1090.7	17.29	291.93	N/A
1	302-09	LBD-302-09	15	259.35	400	1	AL 750MCM	CU #2	145	1	AL 750MCM	CU #2	87.55	TR302-09-01	15	1090.7	17.29	259.35	N/A
1	302-10	LBD-302-10	12	207.48	315	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	113.3	TR302-10-01	12	1090.7	17.29	207.48	N/A
1	302-11	LBD-302-11	14	242.06	400	1	AL 750MCM	CU #2	145	1	AL 750MCM	CU #2	144.2	TR302-11-01	7	1090.7	17.29	121.03	175
2	302-12	LBD-302-12	13	224.77	315	1	AL 750MCM	CU #2	145	1	AL 750MCM	CU #2	200.85	TR302-12-01	6	1090.7	17.29	103.74	150
2	302-13	LBD-302-13	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	77.25	TR302-13-01	7	1090.7	17.29	172.9	N/A
2	302-14	LBD-302-14	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	77.25	TR302-14-01	9	1090.7	17.29	155.61	N/A
2	302-15	LBD-302-15	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR302-15-01	10	1090.7	17.29	172.9	N/A
2	302-16	LBD-302-16	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR302-16-01	9	1090.7	17.29	155.61	N/A
2	302-17	LBD-302-17	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR302-17-01	10	1090.7	17.29	172.9	N/A
2	302-18	LBD-302-18	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	20.6	TR302-18-01	9	1090.7	17.29	155.61	N/A
2	302-19	LBD-302-19	18	311.22	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	30.6	TR302-19-01	18	1090.7	17.29	311.22	N/A
2	302-20	LBD-302-20	18	311.22	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	30.6	TR302-20-01	18	1090.7	17.29	311.22	N/A
2	302-21	LBD-302-21	18	311.22	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	46.35	TR302-21-01	18	1090.7	17.29	311.22	N/A
2	302-22	LBD-302-22	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR302-22-01	18	1090.7	17.29	311.22	N/A

DC FEEDER SCHEDULE - PCS 303																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON BACKING			FEEDER VOLTAGE DROP					SEGMENT VOLTAGE DROP					VOLTAGE DROP CALCS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER VOLTAGE DROP (STRING TO TRUNK)	SEGMENT VOLTAGE DROP (FEEDER UNDERGROUND)	SEGMENT VOLTAGE DROP (FEEDER MESSENGER)	SEGMENT VOLTAGE DROP (TRUNK)	SEGMENT VOLTAGE DROP (TOTAL)	TOTAL VOLTAGE DROP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-01	LBD-303-01	17	293.93	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	190.55	TR303-01-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.2%	0.3%	1.8%	0.50%	2.7%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-02	LBD-303-02	17	293.93	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	159.65	TR303-02-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.2%	0.3%	1.8%	0.50%	2.7%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-03	LBD-303-03	16	276.64	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	133.9	TR303-03-01	16	1090.7	17.29	276.64	N/A	1	AL 500MCM	721	259.36	0.2%	0.2%	2.1%	0.50%	2.9%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-04	LBD-303-04	16	276.64	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	103	TR303-04-01	16	1090.7	17.29	276.64	N/A	1	AL 500MCM	721	259.36	0.2%	0.1%	2.1%	0.50%	2.9%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-05	LBD-303-05	16	276.64	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	77.25	TR303-05-01	16	1090.7	17.29	276.64	N/A	1	AL 500MCM	721	259.36	0.2%	0.1%	2.1%	0.50%	2.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-06	LBD-303-06	16	276.64	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	46.35	TR303-06-01	16	1090.7	17.29	276.64	N/A	1	AL 500MCM	721	259.36	0.2%	0.1%	2.1%	0.50%	2.8%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-07	LBD-303-07	15	259.35	400	1	AL 750MCM	CU #2	125	1	AL 750MCM	CU #2	20.6	TR303-07-01	15	1090.7	17.29	259.35	N/A	1	AL 500MCM	721	243.15	0.2%	0.0%	1.9%	0.50%	2.6%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-08	LBD-303-08	13	224.77	315	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	46.35	TR303-08-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.2%	0.1%	1.5%	0.50%	2.1%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1	303-09	LBD-303-09	13	224.77	315	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	20.6	TR303-09-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.0%	1.5%	0.50%	2.0%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-10	LBD-303-10	12	207.48	315	1	AL 500MCM	CU #2	50	1	AL 500MCM	CU #2	36.05	TR303-10-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.5%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-11	LBD-303-11	12	207.48	315	1	AL 500MCM	CU #2	50	1	AL 500MCM	CU #2	36.95	TR303-11-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-12	LBD-303-12	12	207.48	315	1	AL 500MCM	CU #2	50	1	AL 500MCM	CU #2	92.7	TR303-12-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-13	LBD-303-13	12	207.48	315	1	AL 500MCM	CU #2	50	1	AL 500MCM	CU #2	123.6	TR303-13-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.3%	1.9%	0.50%	2.7%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-14	LBD-303-14	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	149.35	TR303-14-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.3%	1.7%	0.50%	2.6%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-15	LBD-303-15	11	190.19	250	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	175.1	TR303-15-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.4%	1.6%	0.50%	2.6%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-16	LBD-303-16	18	311.22	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	206	TR303-16-01	9	1090.7	17.29	155.61	200	1	AL #4/0	535.6	145.89	0.0%	0.2%	1.4%	0.50%	2.1%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-17	LBD-303-17	16	276.64	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	309	TR303-17-01	9	1090.7	17.29	155.61	200	1	AL #4/0	437.75	145.89	0.0%	0.2%	1.2%	0.50%	1.9%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-18	LBD-303-18	18	311.22	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	427.45	TR303-17-02	9	1090.7	17.29	155.61	200	1	AL #4/0	442.9	145.89	0.0%	0.2%	0.8%	0.50%	1.7%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
														TR303-18-01	6	1090.7	17.29	103.74	150	1	AL #4/0	334.75	97.26	0.0%	0.2%	0.6%	0.50%	1.4%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
														TR303-18-02	6	1090.7	17.29	103.74	150	1	AL #4/0	345.05	97.26	0.0%	0.2%	0.6%	0.50%	1.4%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
														TR303-18-03	6	1090.7	17.29	103.74	150	1	AL #4/0	350.2	97.26	0.0%	0.2%	0.6%	0.50%	1.4%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2	303-19	LBD-303-19	9	155.61	200	1	AL 350MCM	CU #2	50	1	AL 350MCM	CU #2	602.55	TR303-19-01	5	1290.7	17.29	190.55	64.84	0.0%	0.5%	0.3%	0.50%	1.4%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

DATE: 04/27/2024  
TIME: 2:29:28 PM

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 304																																
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING			FEEDER OPERATING CURRENT (STRING MP) [A]					SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND		SEGMENT VOLTAGE DROP - MESSENGER		SEGMENT VOLTAGE DROP (STRING TO TRUNK)		TOTAL VOLTAGE DROP
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING MP) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - MESSENGER	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP				
1	304-01	LBD-304-01	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	TR304-01-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
1	304-02	LBD-304-02	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR304-02-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
1	304-03	LBD-304-03	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR304-03-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
1	304-04	LBD-304-04	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR304-04-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
1	304-05	LBD-304-05	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR304-05-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
1	304-06	LBD-304-06	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR304-06-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
1	304-07	LBD-304-07	17	293.93	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	36.05	TR304-07-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.50%	0.50%	2.4%	2.4%				
1	304-08	LBD-304-08	17	293.93	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	20.6	TR304-08-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.50%	0.50%	2.4%	2.4%				
2	304-09	LBD-304-09	17	293.93	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	46.35	TR304-09-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.50%	0.50%	2.4%	2.4%				
2	304-10	LBD-304-10	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR304-10-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.5%	2.5%				
2	304-11	LBD-304-11	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR304-11-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.5%	2.5%				
2	304-12	LBD-304-12	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR304-12-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.6%	2.6%				
2	304-13	LBD-304-13	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR304-13-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.6%	2.6%				
2	304-14	LBD-304-14	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR304-14-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				
2	304-15	LBD-304-15	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	TR304-15-01	18	1090.7	17.29	311.22	N/A	1	AL 500MCM	824	291.78	0.1%	0.50%	0.50%	2.7%	2.7%				

DC FEEDER SCHEDULE - PCS 303																											
OVERALL OUTPUT CIRCUIT PARAMETERS						FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS						TRUNK ON RACKING							
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING [FT])	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (VOLTAGE TO TRUNK)	TOTAL VOLTAGE DROP
1	305-01	LBD-305-01	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	581.95	TR305-01-01	7	1090.7	17.29	121.03	175	1	AL #40	103	113.47	0.0%	0.3%	0.2%	1.1%
1	305-02	LBD-305-02	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	499.55	TR305-02-01	4	1090.7	17.29	118.45	175	1	AL #40	113.47	113.47	0.0%	0.3%	0.2%	1.1%
														TR305-02-01	4	1090.7	17.29	69.16	90	1	AL #40	175.1	64.84	0.0%	0.2%	0.2%	0.9%
														TR305-02-01	4	1090.7	17.29	69.16	90	1	AL #40	144.2	64.84	0.0%	0.2%	0.2%	0.9%
1	305-03	LBD-305-03	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	412	TR305-03-01	5	1090.7	17.29	86.45	110	1	AL #40	216.3	81.05	0.0%	0.2%	0.3%	1.0%
														TR305-03-01	5	1090.7	17.29	86.45	110	1	AL #40	272.95	81.05	0.0%	0.2%	0.4%	1.0%
														TR305-03-02	5	1090.7	17.29	86.45	110	1	AL #40	247.2	81.05	0.0%	0.2%	0.4%	1.1%
1	305-04	LBD-305-04	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	329.6	TR305-03-03	5	1090.7	17.29	86.45	110	1	AL #40	216.3	81.05	0.0%	0.2%	0.3%	1.0%
														TR305-04-01	6	1090.7	17.29	103.74	150	1	AL #40	272.95	97.26	0.0%	0.2%	0.5%	1.2%
														TR305-04-02	6	1090.7	17.29	103.74	150	1	AL #40	247.2	97.26	0.0%	0.2%	0.4%	1.1%
1	305-05	LBD-305-05	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	242.05	TR305-04-03	6	1090.7	17.29	103.74	150	1	AL #40	216.3	81.05	0.0%	0.2%	0.4%	1.1%
														TR305-05-01	6	1090.7	17.29	103.74	150	1	AL #40	272.95	97.26	0.0%	0.1%	0.5%	1.1%
														TR305-05-02	5	1090.7	17.29	86.45	110	1	AL #40	247.2	81.05	0.0%	0.1%	0.4%	1.0%
1	305-06	LBD-305-06	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	TR305-05-03	5	1090.7	17.29	86.45	110	1	AL #40	216.3	81.05	0.0%	0.1%	0.3%	1.0%
														TR305-06-01	5	1090.7	17.29	86.45	110	1	AL #40	272.95	81.05	0.0%	0.1%	0.4%	1.0%
														TR305-06-02	5	1090.7	17.29	86.45	110	1	AL #40	247.2	81.05	0.0%	0.1%	0.4%	1.0%
1	305-07	LBD-305-07	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	77.25	TR305-06-03	5	1090.7	17.29	86.45	110	1	AL #40	216.3	81.05	0.0%	0.1%	0.3%	1.0%
														TR305-07-01	6	1090.7	17.29	103.74	150	1	AL #40	272.95	97.26	0.0%	0.0%	0.5%	1.1%
														TR305-07-02	6	1090.7	17.29	103.74	150	1	AL #40	247.2	97.26	0.0%	0.0%	0.4%	1.0%
1	305-08	LBD-305-08	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	20.6	TR305-07-03	6	1090.7	17.29	103.74	150	1	AL #40	216.3	81.05	0.0%	0.0%	0.5%	1.0%
														TR305-08-01	7	1090.7	17.29	121.03	175	1	AL #40	345.05	113.47	0.0%	0.0%	0.7%	1.3%
														TR305-08-02	7	1090.7	17.29	121.03	175	1	AL #40	318.3	113.47	0.0%	0.0%	0.7%	1.2%
1	305-09	LBD-305-09	14	242.06	400	1	AL 750MCM	CU #2	50	1	AL 750MCM	CU #2	36.05	TR305-09-01	7	1090.7	17.29	121.03	175	1	AL #40	318.3	113.47	0.0%	0.0%	0.7%	1.2%
														TR305-09-02	7	1090.7	17.29	121.03	175	1	AL #40	345.05	113.47	0.0%	0.0%	0.7%	1.3%
														TR305-10-01	8	1090.7	17.29	158.32	200	1	AL #40	318.3	113.47	0.0%	0.0%	0.8%	1.3%
2	305-11	LBD-305-11	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	51.5	TR305-10-02	9	1090.7	17.29	155.61	200	1	AL #40	489.25	145.89	0.0%	0.0%	1.3%	1.9%
														TR305-11-01	9	1090.7	17.29	155.61	200	1	AL #40	417.15	145.89	0.0%	0.0%	1.1%	1.7%
														TR305-11-02	9	1090.7	17.29	155.61	200	1	AL #40	442.9	145.89	0.0%	0.0%	1.2%	1.8%
2	305-12	LBD-305-12	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	108.15	TR305-12-01	11	1090.7	17.29	190.19	N/A	1	AL #40	520.15	178.31	0.1%	0.2%	1.5%	2.5%
														TR305-13-01	12	1090.7	17.29	207.48	N/A	1	AL #40	520.15	194.52	0.1%	0.3%	1.5%	2.8%
														TR305-14-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	623.15	210.73	0.1%	0.2%	1.5%	2.2%
2	305-15	LBD-305-15	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	190.55	TR305-15-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	623.15	226.94	0.1%	0.2%	1.6%	2.4%
														TR305-16-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	239.36	0.1%	0.3%	2.1%	3.0%
														TR305-17-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	239.36	0.1%	0.3%	2.1%	3.0%
2	305-18	LBD-305-18	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	216.3	TR305-18-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	239.36	0.1%	0.4%	2.1%	3.0%
														TR305-19-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	239.36	0.1%	0.4%	2.1%	3.0%
														TR305-20-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	239.36	0.1%	0.4%	2.1%	3.0%

DC FEEDER SCHEDULE - PCS 307																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALCS				
INVERTER INPUT	FEEDER ID	LD# NUMBER	CITY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OVERALL VOLTAGE DROP [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING Imp) [A]	SEGMENT VOLTAGE DROP FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP FEEDER MESSENGER	SEGMENT VOLTAGE DROP FEEDER TO TRUNK	TOTAL VOLTAGE DROP		
1	307-01	LD# 307-01	9	155.61	200	1	AL 350MCM	CU #2	480	1	AL 350MCM	CU #2	267.8	TR307-03-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	417.15	145.89	0.7%	0.1%	0.50%	2.45%		
1	307-02	LD# 307-02	17	293.93	400	1	AL 750MCM	CU #2	430	1	AL 750MCM	CU #2	169.95	TR307-02-01	10	1090.7	17.29	155.61	200	1	AL #4/0	478.50	145.89	0.3%	0.1%	0.50%	2.2%		
1	307-03	LD# 307-03	16	276.64	400	1	AL 750MCM	CU #2	430	1	AL 750MCM	CU #2	118.45	TR307-02-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.3%	0.1%	0.8%	0.50%		
1	307-04	LD# 307-04	15	239.35	400	1	AL 750MCM	CU #2	430	1	AL 750MCM	CU #2	15.45	TR307-03-01	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.3%	0.1%	0.8%	0.50%		
1	307-05	LD# 307-05	17	293.93	400	1	AL 750MCM	CU #2	30	1	AL 750MCM	CU #2	15.45	TR307-04-01	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.3%	0.1%	0.8%	0.50%		
1	307-06	LD# 307-06	9	155.61	200	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	590.55	TR307-04-02	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.3%	0.0%	0.7%	1.50%		
1	307-07	LD# 307-07	10	172.9	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	15.45	TR307-05-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.0%	0.3%	0.50%		
1	307-08	LD# 307-08	10	172.9	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	15.45	TR307-05-02	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.0%	0.4%	0.50%		
1	307-09	LD# 307-09	10	172.9	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	15.45	TR307-05-03	5	1090.7	17.29	121.03	175	1	AL #4/0	417.15	145.89	0.0%	0.0%	0.3%	0.50%		
1	307-10	LD# 307-10	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	303.85	TR307-06-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	417.15	145.89	0.0%	0.3%	1.1%	0.50%		
1	307-11	LD# 307-11	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	329.6	TR307-07-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	145.89	0.0%	0.4%	1.2%	0.50%		
1	307-12	LD# 307-12	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	329.6	TR307-08-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	145.89	0.0%	0.4%	1.2%	0.50%		
1	307-13	LD# 307-13	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	329.6	TR307-09-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	145.89	0.0%	0.4%	1.2%	0.50%		
2	307-14	LD# 307-14	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	417.15	TR307-14-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.8%	1.7%	0.50%		
2	307-15	LD# 307-15	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	442.9	TR307-15-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	520.15	178.31	0.1%	0.9%	1.7%	0.50%		
2	307-16	LD# 307-16	10	172.9	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	478.95	TR307-16-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	448.05	162.1	0.1%	0.9%	1.3%	0.50%		
2	307-17	LD# 307-17	11	190.19	250	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	515	TR307-17-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	525.3	178.31	0.1%	0.9%	1.7%	0.50%		
2	307-18	LD# 307-18	18	311.22	400	1	AL 750MCM	CU #2	30	1	AL 750MCM	CU #2	633.45	TR307-18-01	9	1090.7	17.29	155.61	200	1	AL #4/0	417.15	145.89	0.5%	1.1%	1.50%	2.1%		
2	307-19	LD# 307-19	18	311.22	400	1	AL 750MCM	CU #2	30	1	AL 750MCM	CU #2	695.25	TR307-19-02	9	1090.7	17.29	155.61	200	1	AL #4/0	442.9	145.89	0.5%	1.2%	0.50%	2.2%		
2	307-20	LD# 307-20	16	276.64	400	1	AL 750MCM	CU #2	30	1	AL 750MCM	CU #2	751.9	TR307-20-01	8	1090.7	17.29	138.32	175	1	AL #4/0	350.2	129.68	0.0%	0.5%	0.8%	0.50%		
2	307-21	LD# 307-21	14	241.06	400	1	AL 750MCM	CU #2	30	1	AL 750MCM	CU #2	836.1	TR307-21-01	7	1090.7	17.29	121.03	175	1	AL #4/0	360.5	113.47	0.0%	0.5%	0.8%	0.50%		
2	307-22	LD# 307-22	7	121.03	175	1	AL 350MCM	CU #2	30	1	AL 350MCM	CU #2	894	TR307-22-02	7	1090.7	17.29	121.03	N/A	1	AL #4/0	319.3	113.47	0.0%	1.1%	0.7%	0.50%		

DC FEEDER SCHEDULE - PCS 308																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS				TRUNK ON RACKING				VOLTAGE DROP CALCS								
INVERTER INPUT	FEEDER ID	LRD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	VOLTAGE VOLT [V]	STRING MAXIMUM CURRENT, SIMULATE [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING Imps) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	308-01	LRD-308-01	15	259.35	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	381.1	TR308-01-01	6	1090.7	103.74	150	1	AL #4/0	154.5	0.2%	0.3%	0.0%	0.2%	0.0%	0.50%	1.0%	
														TR308-01-02	6	1090.7	17.29	103.74	150	1	AL #4/0	72.1	97.26	0.0%	0.2%	0.1%	0.50%	0.9%	
														TR308-01-03	3	1090.7	17.29	51.87	70	1	AL #4/0	15.45	48.63	0.0%	0.2%	0.0%	0.50%	0.7%	
														TR308-02-01	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.2%	0.50%	1.0%	
1	308-02	LRD-308-02	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	298.7	TR308-02-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.2%	0.2%	0.50%	0.9%	
														TR308-02-03	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.2%	0.1%	0.50%	0.9%	
														TR308-03-01	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.2%	0.50%	0.9%	
														TR308-03-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.2%	0.2%	0.50%	0.9%	
1	308-03	LRD-308-03	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	216.3	TR308-03-03	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.2%	0.1%	0.50%	0.8%	
														TR308-04-01	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.1%	0.2%	0.50%	0.8%	
														TR308-04-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.1%	0.2%	0.50%	0.8%	
														TR308-04-03	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.2%	0.1%	0.50%	0.8%	
1	308-04	LRD-308-04	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	113.9	TR308-05-01	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.2%	0.50%	0.8%	
														TR308-05-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.0%	0.2%	0.50%	0.7%	
														TR308-05-03	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.0%	0.1%	0.50%	0.7%	
														TR308-06-01	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.1%	0.50%	0.7%	
1	308-05	LRD-308-05	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	46.35	TR308-06-02	6	1090.7	17.29	103.74	150	1	AL #4/0	103	97.26	0.0%	0.0%	0.2%	0.50%	0.7%	
														TR308-06-03	7	1090.7	17.29	121.03	175	1	AL #4/0	206	113.47	0.0%	0.0%	0.4%	0.50%	1.0%	
														TR308-07-01	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.0%	0.1%	0.50%	0.7%	
														TR308-07-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.0%	0.2%	0.50%	0.7%	
1	308-06	LRD-308-06	17	259.93	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	15.45	TR308-07-03	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.0%	0.2%	0.50%	0.8%	
														TR308-08-01	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.1%	0.1%	0.50%	0.8%	
														TR308-08-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.0%	0.2%	0.50%	0.7%	
														TR308-08-03	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.1%	0.50%	0.8%	
1	308-07	LRD-308-07	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	46.35	TR308-09-01	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.1%	0.1%	0.50%	0.8%	
														TR308-09-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.1%	0.2%	0.50%	0.8%	
														TR308-09-03	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.1%	0.50%	0.8%	
														TR308-10-01	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.2%	0.1%	0.50%	0.8%	
1	308-08	LRD-308-08	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	216.3	TR308-10-02	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.2%	0.50%	0.9%	
														TR308-10-03	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.2%	0.2%	0.50%	0.9%	
														TR308-10-04	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.2%	0.1%	0.50%	0.9%	
														TR308-11-01	4	1090.7	17.29	69.16	90	1	AL #4/0	169.95	64.84	0.0%	0.2%	0.2%	0.50%	1.0%	
1	308-09	LRD-308-09	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	298.7	TR308-11-02	4	1090.7	17.29	69.16	90	1	AL #4/0	144.2	64.84	0.0%	0.2%	0.2%	0.50%	0.9%	
														TR308-11-03	5	1090.7	17.29	86.45	110	1	AL #4/0	169.95	81.05	0.0%	0.1%	0.3%	0.50%	0.9%	
														TR308-12-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.2%	0.3%	0.50%	1.0%	
														TR308-12-02	5	1090.7	17.29	86.45	110	1	AL #4/0	242.05	81.05	0.0%	0.3%	0.50%	1.3%		
1	308-10	LRD-308-10	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	224.77	TR308-12-03	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR308-13-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.2%	0.3%	0.50%	1.1%	
														TR308-13-02	5	1090.7	17.29	86.45	110	1	AL #4/0	242.05	81.05	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR308-14-01	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.3%	0.3%	0.50%	1.1%	
2	308-11	LRD-308-11	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	381.1	TR308-14-02	5	1090.7	17.29	86.45	110	1	AL #4/0	242.05	81.05	0.0%	0.2%	0.4%	0.50%	1.1%	
														TR308-14-03	6	1090.7	17.29	103.74	150	1	AL #4/0	272.95	97.26	0.0%	0.3%	0.5%	0.50%	1.3%	
														TR308-15-01	5	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.4%	0.50%	1.3%		
														TR308-15-02	6	1090.7	17.29	103.74	150	1	AL #4/0	242.05	97.26	0.0%	0.3%	0.4%	0.50%	1.2%	
2	308-12	LRD-308-12	15	259.35	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	571.65	TR308-15-03	5	1090.7	17.29	86.45	110	1	AL #4/0	314.15	81.05	0.0%	0.4%	0.5%	0.50%	1.4%	
														TR308-16-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.4%	0.3%	0.50%	1.2%	
														TR308-16-02	5	1090.7	17.29	86.45	110	1	AL #4/0	242.05	81.05	0.0%	0.4%	0.3%	0.50%	1.3%	
														TR308-17-01	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.4%	0.4%	0.50%	1.3%	
2	308-13	LRD-308-13	15	259.35	400	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	947.6	TR308-17-02	5	1090.7	17.29	86.45	110	1	AL #4/0	242.05	81.05	0.0%	0.4%	0.3%	0.50%	1.2%	
														TR308-17-03	5	1090.7	17.29	86.45	110	1	AL #4/0	272.95	81.05	0.0%	0.4%	0.4%	0.50%	1.3%	
														TR308-18-01	5	1090.7	17.29	86.45	110	1	AL #4/0	314.15	81.05	0.0%	0.4%	0.5%	0.50%	1.4%	
														TR308-18-02	5	1090.7	17.29	86.45	110	1	AL #4/0	242.05	81.05	0.0%	0.4%	0.3%	0.50%	1.2%	

DRAWING NOTES:

1. DISTANCES ARE ESTIMATES GENERATED FOR ENGINEER'S CALCULATIONS. CONTRACTOR IS RESPONSIBLE FOR OWN MEASUREMENTS AND TAKEOFFS.

DRAWING TITLE  
SCHEDULES & CALCULATIONS  
PCS-307 THRU 308

DRAWING #  
E3.521

RULER IN INCHES: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

DC FEEDER SCHEDULE - PCS 309																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TO TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	309-01	LBD-309-01	14	242.06	400	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	587.1	TR309-01-01	4	1090.7	17.29	69.16	90	1	AL #4/0	200.85	64.84	0.1%	0.2%	0.2%	0.50%	1.0%	
														TR309-01-02	4	1090.7	17.29	69.16	90	1	AL #4/0	185.4	64.84	0.1%	0.2%	0.2%	0.50%	1.0%	
														TR309-01-03	6	1090.7	17.29	103.74	150	1	AL #4/0	221.45	97.26	0.1%	0.2%	0.4%	0.50%	1.1%	
1	309-02	LBD-309-02	14	242.06	400	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	515	TR309-02-01	6	1090.7	17.29	103.74	150	1	AL #4/0	228.44	97.26	0.1%	0.3%	0.5%	0.50%	1.3%	
														TR309-02-02	8	1090.7	17.29	138.32	175	1	AL #4/0	324.45	129.68	0.1%	0.3%	0.8%	0.50%	1.6%	
														TR309-03-01	9	1090.7	17.29	155.61	200	1	AL #4/0	478.95	145.89	0.1%	0.3%	1.3%	0.50%	2.2%	
1	309-03	LBD-309-03	18	311.22	400	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	442.9	TR309-03-02	9	1090.7	17.29	155.61	200	1	AL #4/0	463.5	145.89	0.1%	0.3%	1.2%	0.50%	2.2%	
1	309-04	LBD-309-04	10	172.9	250	1	AL 350MCM	CU #2	150	1	AL 350MCM	CU #2	412	TR309-04-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	432.6	162.1	0.3%	0.7%	1.3%	0.50%	2.8%	
1	309-05	LBD-309-05	12	207.48	315	1	AL 350MCM	CU #2	150	1	AL 350MCM	CU #2	375.95	TR309-05-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	556.2	194.52	0.3%	0.8%	1.2%	0.50%	2.8%	
1	309-06	LBD-309-06	13	224.77	315	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	345.05	TR309-06-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.2%	0.4%	1.4%	0.50%	2.5%	
1	309-07	LBD-309-07	13	224.77	315	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	314.15	TR309-07-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.2%	0.3%	1.4%	0.50%	2.5%	
1	309-08	LBD-309-08	13	224.77	315	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	202.25	TR309-08-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.2%	0.3%	1.4%	0.50%	2.4%	
1	309-09	LBD-309-09	14	242.06	400	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	257.5	TR309-09-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.2%	0.3%	1.6%	0.50%	2.5%	
1	309-10	LBD-309-10	14	242.06	400	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	231.75	TR309-10-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.2%	0.3%	1.6%	0.50%	2.5%	
1	309-11	LBD-309-11	14	242.06	400	1	AL 750MCM	CU #2	150	1	AL 750MCM	CU #2	200.85	TR309-11-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.2%	0.2%	1.6%	0.50%	2.5%	
1	309-12	LBD-309-12	10	172.9	250	1	AL 350MCM	CU #2	150	1	AL 350MCM	CU #2	25.75	TR309-12-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	432.6	162.1	0.3%	0.6%	1.3%	0.50%	2.1%	
2	309-13	LBD-309-13	9	155.61	200	1	AL 350MCM	CU #2	150	1	AL 350MCM	CU #2	87.55	TR309-13-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	432.6	145.89	0.2%	0.1%	1.2%	0.50%	2.0%	
2	309-14	LBD-309-14	12	207.48	315	1	AL 350MCM	CU #2	150	1	AL 350MCM	CU #2	175.1	TR309-14-01	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.2%	0.2%	0.7%	0.50%	1.6%	
2	309-15	LBD-309-15	12	207.48	315	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	20.6	TR309-14-02	5	1090.7	17.29	86.45	110	1	AL #4/0	350.2	81.05	0.2%	0.2%	0.5%	0.50%	1.4%	
														TR309-15-01	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.0%	0.3%	0.50%	0.9%	
														TR309-15-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.0%	0.0%	0.7%	0.50%	1.3%	
2	309-16	LBD-309-16	17	293.93	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	77.25	TR309-16-01	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.1%	0.8%	0.50%	1.3%	
2	309-17	LBD-309-17	10	172.9	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	128.75	TR309-16-02	9	1090.7	17.29	155.61	200	1	AL #4/0	448.05	145.89	0.0%	0.1%	1.2%	0.50%	1.8%	
2	309-18	LBD-309-18	10	172.9	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	159.65	TR309-17-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.2%	1.2%	0.50%	2.0%	
2	309-19	LBD-309-19	10	172.9	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	185.4	TR309-18-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.3%	1.2%	0.50%	2.1%	
2	309-20	LBD-309-20	10	172.9	250	1	AL 350MCM	CU #2	35	1	AL 350MCM	CU #2	216.3	TR309-20-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.4%	1.2%	0.50%	2.2%	
2	309-21	LBD-309-21	18	311.22	400	1	AL 750MCM	CU #2	35	1	AL 750MCM	CU #2	242.05	TR309-21-01	9	1090.7	17.29	155.61	200	1	AL #4/0	417.15	145.89	0.0%	0.2%	1.1%	0.50%	1.8%	
														TR309-21-02	9	1090.7	17.29	155.61	200	1	AL #4/0	442.9	145.89	0.0%	0.2%	1.2%	0.50%	1.9%	

DRAWING NOTES:  
1. DISTANCES ARE ESTIMATES GENERATED FOR ENGINEER'S CALCULATIONS. CONTRACTOR IS RESPONSIBLE FOR OWN MEASUREMENTS AND TAKEOFFS.

DRAWING TITLE  
SCHEDULES & CALCULATIONS  
PCS-309

DRAWING #  
E3.522

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW

MODULE QUANTITY: 329,430

INVERTER QUANTITY: 164,715

ELEVATION: 25' TILT, 180' AZI

DC

PROJECT 170.5 MW SOLAR GROUND MOUNT SYSTEM AT CPV BACKBONE

DC SYSTEM SIZE: 170.5MW

AC SYSTEM SIZE: 170.5MW



RUL IN INCHES

18

17

16

15

14

13

12

11

10

9

8

7

6

5

4

3

2

1

0

0

0

DC FEEDER SCHEDULE - PCS 401																													
OVERALL OUTPUT CIRCUIT PARAMETERS						FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS						TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT [STRING]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	VOLTAGE DROP CALC	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	TOTAL VOLTAGE DROP	
1	401-01	LBD-401-01	12	207.48	315	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	267.8	TR401-01-01	6	1090.7	17.29	103.74	150	1	AL #4/0	247.2	97.26	0.9%	0.3%	0.4%	0.50%	2.2%	
1	401-02	LBD-401-02	10	172.9	250	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	242.05	TR401-01-02	6	1090.7	17.29	103.74	150	1	AL #4/0	221.45	97.26	0.9%	0.3%	0.4%	0.50%	2.1%	
1	401-03	LBD-401-03	10	172.9	250	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	216.3	TR401-01-03	10	1090.7	17.29	172.9	N/A	1	AL 350MCM	417.15	162.1	1.5%	0.4%	0.8%	0.50%	3.2%	
1	401-04	LBD-401-04	11	190.19	250	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	185.4	TR401-01-04	11	1090.7	17.29	190.19	N/A	1	AL 500MCM	515	178.31	1.7%	0.4%	0.7%	0.50%	3.3%	
1	401-05	LBD-401-05	11	190.19	250	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	159.65	TR401-05-01	11	1090.7	17.29	190.19	N/A	1	AL 500MCM	515	178.31	1.7%	0.3%	0.7%	0.50%	3.2%	
1	401-06	LBD-401-06	12	207.48	315	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	128.75	TR401-06-01	12	1090.7	17.29	207.48	N/A	1	AL 500MCM	515	194.52	1.9%	0.3%	0.8%	0.50%	3.4%	
1	401-07	LBD-401-07	12	207.48	315	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	103	TR401-07-01	12	1090.7	17.29	207.48	N/A	1	AL 500MCM	515	194.52	1.9%	0.2%	0.8%	0.50%	3.4%	
1	401-08	LBD-401-08	12	207.48	315	1	AL 350MCM	CU #2	860	1	AL 350MCM	CU #2	72.1	TR401-08-01	12	1090.7	17.29	207.48	N/A	1	AL 500MCM	515	194.52	1.9%	0.2%	0.8%	0.50%	3.3%	
1	401-09	LBD-401-09	18	311.22	400	1	AL 750MCM	CU #2	860	1	AL 750MCM	CU #2	15.45	TR401-09-01	10	1090.7	17.29	172.9	250	1	AL #4/0	442.9	162.1	0.7%	0.0%	1.3%	0.50%	2.6%	
1	401-10	LBD-401-10	8	138.52	175	1	AL 750MCM	CU #2	860	1	AL 750MCM	CU #2	15.45	TR401-09-02	8	1090.7	17.29	138.52	175	1	AL #4/0	319.3	129.68	0.7%	0.0%	0.8%	0.50%	2.0%	
1	401-11	LBD-401-11	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	123.6	TR401-10-01	4	1090.7	17.29	69.16	90	1	AL #4/0	221.45	64.84	0.0%	0.0%	0.3%	0.50%	0.8%	
1	401-12	LBD-401-12	5	86.45	110	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	123.6	TR401-10-02	4	1090.7	17.29	69.16	90	1	AL #4/0	185.4	64.84	0.0%	0.0%	0.2%	0.50%	0.8%	
1	401-13	LBD-401-13	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	36.05	TR401-10-03	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.0%	0.3%	0.50%	0.9%	
2	401-11	LBD-401-11	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	51.5	TR401-11-01	6	1090.7	17.29	103.74	150	1	AL #4/0	216.3	97.26	0.0%	0.0%	0.4%	0.50%	0.9%	
2	401-12	LBD-401-12	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	36.05	TR401-11-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.0%	0.0%	0.7%	0.50%	1.9%	
2	401-13	LBD-401-13	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	36.05	TR401-11-03	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1122.7	194.52	0.1%	0.1%	2.4%	0.50%	3.1%	
2	401-14	LBD-401-14	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	15.45	TR401-14-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.5%	
2	401-15	LBD-401-15	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	15.45	TR401-14-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	1225.7	210.73	0.1%	0.0%	2.9%	0.50%	3.4%	
2	401-16	LBD-401-16	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	15.45	TR401-15-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.0%	1.9%	0.50%	2.5%	
2	401-17	LBD-401-17	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	41.2	TR401-16-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.0%	2.0%	0.50%	2.6%	
2	401-18	LBD-401-18	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	41.2	TR401-17-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
2	401-19	LBD-401-19	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	66.95	TR401-18-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.1%	2.0%	0.50%	2.6%	
2	401-20	LBD-401-20	13	224.77	315	1	AL 750MCM	CU #2	60	1	AL 750MCM	CU #2	66.95	TR401-19-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
2	401-21	LBD-401-21	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	92.7	TR401-20-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.1%	2.0%	0.50%	2.7%	
2	401-22	LBD-401-22	12	207.48	315	1	AL 350MCM	CU #2	60	1	AL 350MCM	CU #2	92.7	TR401-21-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.2%	1.9%	0.50%	2.7%	

DC FEEDER SCHEDULE - PCS 402																													
OVERALL OUTPUT CIRCUIT PARAMETERS						FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS						TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE [Vmp]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT [STRING] [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP [STRING TO TRUNK]	TOTAL VOLTAGE DROP	
1	402-01	LBD-402-01	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR402-01-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.1%	2.0%	0.50%	2.6%	
1	402-02	LBD-402-02	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR402-02-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	520.15	194.52	0.1%	0.1%	1.9%	0.50%	2.6%	
1	402-03	LBD-402-03	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR402-03-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1228.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
1	402-04	LBD-402-04	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR402-04-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	402-05	LBD-402-05	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	46.35	TR402-05-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.3%	
1	402-06	LBD-402-06	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	46.35	TR402-06-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.1%	1.6%	0.50%	2.2%	
1	402-07	LBD-402-07	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR402-07-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.0%	2.6%	0.50%	3.3%	
1	402-08	LBD-402-08	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	15.45	TR402-08-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.1%	
1	402-09	LBD-402-09	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR402-09-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.0%	2.6%	0.50%	3.3%	
2	402-10	LBD-402-10	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR402-10-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
2	402-11	LBD-402-11	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR402-11-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1228.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	402-12	LBD-402-12	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR402-12-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	402-13	LBD-402-13	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR402-13-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	402-14	LBD-402-14	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR402-14-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	402-15	LBD-402-15	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR402-15-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1228.7	210.73	0.1%	0.1%	2.2%	0.50%	2.8%	
2	402-16	LBD-402-16	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR402-16-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
2	402-17	LBD-402-17	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR402-17-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1228.7	210.73	0.1%	0.1%	2.2%	0.50%	2.9%	
2	402-18	LBD-402-18	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	TR402-18-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.3%	

RULED SCALE: 1/8"=1'-0"

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 404																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMATING CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	404-01	LBD-404-01	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	T8404-01-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.2%	1.8%	0.50%	2.6%	
1	404-02	LBD-404-02	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	T8404-02-01	17	1090.7	17.29	293.93	N/A	1	AL 500MCM	824	275.57	0.1%	0.2%	1.8%	0.50%	2.5%	
1	404-03	LBD-404-03	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	T8404-03-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.8%	
1	404-04	LBD-404-04	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	T8404-04-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.8%	
1	404-05	LBD-404-05	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	T8404-05-01	16	1090.7	17.29	276.64	N/A	1	AL 350MCM	721	259.36	0.1%	0.1%	2.1%	0.50%	2.7%	
1	404-06	LBD-404-06	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	T8404-06-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	0.50%	2.5%	
1	404-07	LBD-404-07	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	T8404-07-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
1	404-08	LBD-404-08	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	15.45	T8404-08-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.1%	
2	404-09	LBD-404-09	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	T8404-09-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
2	404-10	LBD-404-10	12	207.48	315	1	AL 350MCM	CU #2	145	1	AL 350MCM	CU #2	15.45	T8404-10-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.3%	0.0%	1.8%	0.50%	2.7%	
2	404-11	LBD-404-11	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	T8404-11-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	404-12	LBD-404-12	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	T8404-12-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
2	404-13	LBD-404-13	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	T8404-13-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
2	404-14	LBD-404-14	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	T8404-14-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.3%	
2	404-15	LBD-404-15	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	T8404-15-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%	
2	404-16	LBD-404-16	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	T8404-16-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%	
2	404-17	LBD-404-17	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	185.4	T8404-17-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%	

DC FEEDER SCHEDULE - PCS 405																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	405-01	LBD-405-01	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	185.4	T8405-01-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.4%	1.8%	0.50%	2.9%	
1	405-02	LBD-405-02	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	159.65	T8405-02-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.3%	1.8%	0.50%	2.8%	
1	405-03	LBD-405-03	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.9	T8405-03-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.3%	1.8%	0.50%	2.8%	
1	405-04	LBD-405-04	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	T8405-04-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.7%	
1	405-05	LBD-405-05	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	T8405-05-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.6%	
1	405-06	LBD-405-06	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	T8405-06-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.6%	
1	405-07	LBD-405-07	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	T8405-07-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%	
1	405-08	LBD-405-08	11	190.19	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	46.35	T8405-08-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	515	178.31	0.1%	0.1%	1.7%	0.50%	2.4%	
1	405-09	LBD-405-09	11	190.19	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	T8405-09-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	515	178.31	0.1%	0.0%	1.7%	0.50%	2.3%	
1	405-10	LBD-405-10	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	46.35	T8405-10-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.5%	
2	405-11	LBD-405-11	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	T8405-11-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.0%	1.4%	0.50%	2.0%	
2	405-12	LBD-405-12	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	T8405-12-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.1%	
2	405-13	LBD-405-13	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	T8405-13-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.1%	
2	405-14	LBD-405-14	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	T8405-14-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.1%	
2	405-15	LBD-405-15	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	T8405-15-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%	
2	405-16	LBD-405-16	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	T8405-16-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%	
2	405-17	LBD-405-17	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	185.4	T8405-17-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.3%	
2	405-18	LBD-405-18	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	216.3	T8405-18-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.3%	
2	405-19	LBD-405-19	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	242.05	T8405-19-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.5%	1.8%	0.50%	3.0%	

DC FEEDER SCHEDULE - PCS 406																												
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING								
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP
1	406-01	LBD-406-01	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	329.8	T8406-01-01	9	1090.7	17.29	155.61	200	1	AL #4/0	442.9	129.68	0.0%	0.2%	1.2%	0.50%	2.0%
														T8406-01-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.2%	0.8%	0.50%	1.6%
1	406-02	LBD-406-02	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	267.8	T8406-02-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.2%	0.8%	0.50%	1.5%
														T8406-02-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.2%	0.8%	0.50%	1.5%
1	406-03	LBD-406-03	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	T8406-03-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.1%	0.8%	0.50%	1.3%
														T8406-03-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.1%	0.8%	0.50%	1.4%
1	406-04	LBD-406-04	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	103	T8406-04-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.1%	0.8%	0.50%	1.4%
														T8406-04-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.1%	0.8%	0.50%	1.4%
1	406-05	LBD-406-05	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	T8406-05-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														T8406-05-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.3%
1	406-06	LBD-406-06	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	T8406-06-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														T8406-06-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.3%
1	406-07	LBD-406-07	15	259.35	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	T8406-07-01	8	1090.7	17.29	138.32	175	1	AL #4/0	370.8	129.68	0.0%	0.0%	0.9%	0.50%	1.4%
														T8406-07-02	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.0%	0.7%	0.50%	1.2%
2	406-08	LBD-406-08	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	15.45	T8406-08-01	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.0%	0.7%	0.50%	1.2%
														T8406-08-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.0%	0.0%	0.7%	0.50%	1.3%
2	406-09	LBD-406-09	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	T8406-09-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%
														T8406-09-02	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.6%
2	406-10	LBD-406-10	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	T8406-10-01	13	1090.7	17.29	224.77	N/A	1	AL #300MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.1%
														T8406-10-02	13	1090.7	17.29	224.77	N/A	1	AL #300MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.1%
2	406-13	LBD-406-13	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	T8406-13-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.2%	1.5%	0.50%	2.3%
														T8406-13-02	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.2%	1.5%	0.50%	2.3%
2	406-14	LBD-406-14	14	242.06	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	T8406-14-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.2%	1.6%	0.50%	2.3%
														T8406-14-02	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.2%	1.6%	0.50%	2.3%
2	406-15	LBD-406-15	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	236.3	T8406-15-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.3%	1.9%	0.50%	2.8%
														T8406-15-02	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.3%	1.9%	0.50%	2.8%

RULED SCALE: 3/16"=1'-0" (SEE SHEET 10)

9'

17'

18'

15'

14'

13'

12'

11'

10'

9'

8'

7'

6'

5'

4'

3'

2'

1'

0'

RULER IN INCHES:

DC FEEDER SCHEDULE - PCS 407																												
OVERALL OUTPUT CIRCUIT PARAMETERS						FEEDER UNDERGROUND				FEEDER ON MESSENGER WIRE				OVERALL TRUNK CIRCUIT PARAMETERS						TRUNK ON RACKING			VOLTAGE DROP CALCs					
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP FEEDER MESSENGER	SEGMENT VOLTAGE DROP TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP
1	407-01	LBD-407-01	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	185.4	TR407-01-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	2.8%	
1	407-02	LBD-407-02	15	259.35	400	1	AL 750MCM	CU #2	159.65	1	AL 750MCM	CU #2	1090.7	TR407-02-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	0.50%	2.7%
1	407-03	LBD-407-03	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR407-03-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.2%	1.9%	0.50%	2.7%
1	407-04	LBD-407-04	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	108	TR407-04-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.7%
1	407-05	LBD-407-05	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR407-05-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%
1	407-06	LBD-407-06	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	46.35	TR407-06-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.1%	1.9%	0.50%	2.6%
1	407-07	LBD-407-07	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR407-07-01	15	1090.7	17.29	259.35	N/A	1	AL 350MCM	721	243.15	0.1%	0.0%	1.9%	0.50%	2.5%
1	407-08	LBD-407-08	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR407-08-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%
2	407-09	LBD-407-09	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR407-09-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.0%	0.0%	1.5%	0.50%	2.0%
2	407-10	LBD-407-10	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR407-10-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.5%
2	407-11	LBD-407-11	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR407-11-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%
2	407-12	LBD-407-12	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR407-12-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	515	178.31	0.1%	0.1%	1.7%	0.50%	2.4%
2	407-13	LBD-407-13	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR407-13-01	11	1090.7	17.29	190.19	N/A	1	AL #4/0	515	178.31	0.1%	0.1%	1.7%	0.50%	2.5%
2	407-14	LBD-407-14	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	108	TR407-14-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	129.7	0.2%	0.2%	1.2%	0.50%	2.0%
2	407-15	LBD-407-15	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR407-15-01	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.1%	0.8%	0.50%	1.4%
2	407-16	LBD-407-16	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	185.4	TR407-16-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.1%	0.8%	0.50%	1.5%
2	407-17	LBD-407-17	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	242.06	TR407-17-01	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.1%	0.7%	0.50%	1.3%
														TR407-17-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.0%	0.1%	0.7%	0.50%	1.4%

DC FEEDER SCHEDULE - PCS 408																												
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING								
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING IN) [A]	SEGMENT VOLTAGE DROP FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP FEEDER MESSENGER	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	408-01	LBD-408-01	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	329.6	TR408-01-01	6	1090.7	17.29	103.74	150	1	AL #4/0	128.75	0.2%	0.2%	0.2%	0.9%		
														TR408-01-02	7	1090.7	17.29	121.03	175	1	AL #4/0	164.8	113.47	0.0%	0.2%	0.3%	0.50%	1.0%
														TR408-01-03	4	1090.7	17.29	69.16	90	1	AL #4/0	113.3	64.84	0.0%	0.2%	0.1%	0.50%	0.8%
														TR408-01-04	5	1090.7	17.29	86.45	110	1	AL #4/0	267.8	81.05	0.0%	0.1%	0.4%	0.50%	1.0%
1	408-02	LBD-408-02	15	259.35	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	242.05	TR408-02-01	5	1090.7	17.29	86.45	110	1	AL #4/0	247.2	81.05	0.0%	0.4%	0.50%	1.0%	
														TR408-02-02	5	1090.7	17.29	86.45	110	1	AL #4/0	216.3	81.05	0.0%	0.1%	0.3%	0.50%	1.0%
														TR408-02-03	5	1090.7	17.29	86.45	110	1	AL #4/0	345.05	129.68	0.0%	0.1%	0.8%	0.50%	1.5%
														TR408-02-04	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.1%	0.8%	0.50%	1.4%
1	408-03	LBD-408-03	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	185.4	TR408-03-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.1%	0.8%	0.50%	1.4%
														TR408-03-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-03-03	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-03-04	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
1	408-04	LBD-408-04	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR408-04-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-04-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-04-03	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-04-04	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
1	408-05	LBD-408-05	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR408-05-01	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-05-02	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-05-03	8	1090.7	17.29	138.32	175	1	AL #4/0	345.05	129.68	0.0%	0.0%	0.8%	0.50%	1.4%
														TR408-05-04	8	1090.7	17.29	138.32	175	1	AL #4/0	319.3	129.68	0.0%	0.0%	0.8%	0.50%	1.3%
1	408-06	LBD-408-06	16	276.64	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR408-06-01	7	1090.7	17.29	121.03	175	1	AL #4/0	319.3	113.47	0.0%	0.0%	0.7%	0.50%	1.2%
														TR408-06-02	7	1090.7	17.29	121.03	175	1	AL #4/0	345.05	113.47	0.0%	0.0%	0.7%	0.50%	1.3%
														TR408-06-03	7	1090.7	17.29	121.03	175	1	AL #4/0	417.15	162.1	0.1%	0.0%	1.2%	0.50%	1.9%
														TR408-06-04	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.4%	0.50%	2.1%
2	408-07	LBD-408-07	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	46.35	TR408-07-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.4%	0.50%	2.1%
														TR408-07-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
														TR408-07-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
														TR408-07-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-08	LBD-408-08	9	155.61	200	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR408-08-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	417.15	162.1	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-08-02	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.4%	0.50%	2.1%
														TR408-08-03	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.4%	0.50%	2.1%
														TR408-08-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
2	408-09	LBD-408-09	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR408-09-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.4%	0.50%	2.1%
														TR408-09-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
														TR408-09-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
														TR408-09-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-10	LBD-408-10	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	46.35	TR408-10-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.4%	0.50%	2.1%
														TR408-10-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
														TR408-10-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.1%	1.4%	0.50%	2.2%
														TR408-10-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-11	LBD-408-11	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR408-11-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-11-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-11-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-11-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-12	LBD-408-12	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	108	TR408-12-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-12-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-12-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-12-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-13	LBD-408-13	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	133.9	TR408-13-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-13-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-13-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-13-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-14	LBD-408-14	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	159.65	TR408-14-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-14-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-14-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-14-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-15	LBD-408-15	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	185.4	TR408-15-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-15-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-15-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-15-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-16	LBD-408-16	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	216.3	TR408-16-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-16-02	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-16-03	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
														TR408-16-04	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	618	210.73	0.1%	0.2%	1.4%	0.50%	2.2%
2	408-17	LBD-408-17	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	242.05	TR408-17-01	17	1090.7	17.29											

DC FEEDER SCHEDULE - PCS 409																																		
OVERALL OUTPUT CIRCUIT PARAMETERS						FEEDER UNDERGROUND						FEEDER ON MESSENGER WIRE						OVERALL TRUNK CIRCUIT PARAMETERS						TRUNK ON RACKING						VOLTAGE DROP CALC.				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP FEEDER MESSENGER	SEGMENT VOLTAGE DROP TRUNK	SEGMENT VOLTAGE DROP TRUNK	TOTAL VOLTAGE DROP						
1	409-01	LBD-409-01	17	293.93	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	589	TR409-01-01	17	1090.7	17.29	293.93	N/A	1	AL 350MCM	824	275.57	0.1%	0.1%	1.8%	0.50%	2.5%						
1	409-02	LBD-409-02	18	311.22	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR409-02-01	18	1090.7	17.29	311.22	N/A	1	AL 350MCM	824	291.78	0.1%	0.1%	1.2%	0.50%	2.6%						
1	409-03	LBD-409-03	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR409-03-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.2%	0.50%	1.9%						
1	409-04	LBD-409-04	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR409-04-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.1%	2.5%	0.50%	3.2%						
1	409-05	LBD-409-05	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR409-05-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.0%	1.2%	0.50%	1.9%						
1	409-06	LBD-409-06	9	155.61	200	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR409-06-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.0%	2.5%	0.50%	3.1%						
1	409-07	LBD-409-07	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR409-07-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.0%	1.2%	0.50%	1.9%						
1	409-08	LBD-409-08	9	155.61	200	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR409-08-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.1%	2.5%	0.50%	3.1%						
1	409-09	LBD-409-09	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR409-09-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.0%	1.2%	0.50%	1.8%						
1	409-10	LBD-409-10	9	155.61	200	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR409-10-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.0%	2.5%	0.50%	3.1%						
2	409-11	LBD-409-11	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR409-11-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.2%	0.50%	1.9%						
2	409-12	LBD-409-12	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR409-12-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	927	162.1	0.1%	0.1%	2.8%	0.50%	3.4%						
2	409-13	LBD-409-13	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR409-13-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%						
2	409-14	LBD-409-14	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR409-14-01	10	1090.7	17.29	172.9	N/A	1	AL 350MCM	1030	162.1	0.1%	0.0%	1.9%	0.50%	2.5%						
2	409-15	LBD-409-15	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR409-15-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.6%						
2	409-16	LBD-409-16	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR409-16-01	10	1090.7	17.29	172.9	N/A	1	AL 350MCM	1030	162.1	0.1%	0.1%	1.9%	0.50%	2.5%						
2	409-17	LBD-409-17	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR409-17-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.6%						
2	409-18	LBD-409-18	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR409-18-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	1122.7	178.31	0.1%	0.1%	2.2%	0.50%	3.0%						
2	409-19	LBD-409-19	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	108	TR409-19-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.7%						
2	409-20	LBD-409-20	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	108	TR409-20-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1122.7	194.52	0.1%	0.2%	2.4%	0.50%	3.3%						

Ruler in inches: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Ruler in inches: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

DC FEEDER SCHEDULE - PCS 410																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALC				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	410-01	LBD-410-01	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR410-01-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.6%	
1	410-02	LBD-410-02	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR410-02-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.1%	2.0%	0.50%	2.7%	
1	410-03	LBD-410-03	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR410-03-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	410-04	LBD-410-04	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR410-04-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.4%	
1	410-05	LBD-410-05	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR410-05-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	410-06	LBD-410-06	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR410-06-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.0%	2.6%	0.50%	3.3%	
1	410-07	LBD-410-07	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR410-07-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.5%	
1	410-08	LBD-410-08	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR410-08-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.0%	0.0%	2.0%	0.50%	2.6%	
1	410-09	LBD-410-09	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR410-09-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%	
2	410-10	LBD-410-10	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	15.45	TR410-10-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	1225.7	210.73	0.0%	0.0%	2.9%	0.50%	3.4%	
2	410-11	LBD-410-11	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR410-11-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	515	226.94	0.0%	0.0%	1.3%	0.50%	1.9%	
2	410-12	LBD-410-12	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR410-12-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.3%	
2	410-13	LBD-410-13	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR410-13-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	410-14	LBD-410-14	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR410-14-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	410-15	LBD-410-15	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR410-15-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	410-16	LBD-410-16	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR410-16-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	410-17	LBD-410-17	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR410-17-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.3%	
2	410-18	LBD-410-18	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR410-18-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.1%	2.2%	0.50%	2.8%	

DC FEEDER SCHEDULE - PCS 411																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	411-01	LBD-411-01	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR411-01-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
1	411-02	LBD-411-02	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR411-02-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.1%	2.2%	0.50%	2.8%	
1	411-03	LBD-411-03	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR411-03-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	411-04	LBD-411-04	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR411-04-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
1	411-05	LBD-411-05	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR411-05-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	411-06	LBD-411-06	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR411-06-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
1	411-07	LBD-411-07	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR411-07-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
1	411-08	LBD-411-08	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR411-08-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.3%	
1	411-09	LBD-411-09	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	15.45	TR411-09-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
2	411-10	LBD-411-10	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR411-10-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.0%	2.6%	0.50%	3.3%	
2	411-11	LBD-411-11	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR411-11-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
2	411-12	LBD-411-12	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR411-12-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.3%	
2	411-13	LBD-411-13	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR411-13-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	411-14	LBD-411-14	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR411-14-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	411-15	LBD-411-15	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR411-15-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	411-16	LBD-411-16	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR411-16-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	411-17	LBD-411-17	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR411-17-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.3%	
2	411-18	LBD-411-18	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR411-18-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1238.7	210.73	0.1%	0.1%	2.2%	0.50%	2.8%	

DC FEEDER SCHEDULE - PCS 412																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING					VOLTAGE DROP CALC				
INVERTER INPUT	FEEDER ID	LBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	412-01	LBD-412-01	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TRM12-01-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	1.6%	0.50%	2.28%		
1	412-02	LBD-412-02	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TRM12-01-02	13	1090.7	17.29	242.77	N/A	1	AL 350MCM	1328.7	210.73	0.1%	1.1%	2.2%	0.50%	2.8%	
1	412-03	LBD-412-03	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TRM12-01-03	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	412-04	LBD-412-04	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TRM12-04-01	13	1090.7	17.29	242.77	N/A	1	AL 350MCM	1328.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
1	412-05	LBD-412-05	400	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TRM12-05-01	400	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	412-06	LBD-412-06	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TRM12-06-01	13	1090.7	17.29	242.77	N/A	1	AL 350MCM	1328.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
1	412-07	LBD-412-07	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TRM12-07-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
1	412-08	LBD-412-08	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TRM12-08-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.3%	
1	412-09	LBD-412-09	400	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TRM12-09-01	400	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	412-10	LBD-412-10	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TRM12-10-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.0%	2.6%	0.50%	3.3%	
2	412-11	LBD-412-11	14	242.06	400	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TRM12-11-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.0%	0.0%	1.6%	0.50%	2.2%	
2	412-12	LBD-412-12	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TRM12-12-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.3%	
2	412-13	LBD-412-13	400	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TRM12-13-01	400	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	412-14	LBD-412-14	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TRM12-14-01	13	1090.7	17.29	242.77	N/A	1	AL 350MCM	1328.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	412-15	LBD-412-15	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TRM12-15-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	412-16	LBD-412-16	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TRM12-16-01	13	1090.7	17.29	242.77	N/A	1	AL 350MCM	1328.7	210.73	0.1%	0.0%	2.2%	0.50%	2.8%	
2	412-17	LBD-412-17	400	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TRM12-17-01	400	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
2	412-18	LBD-412-18	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TRM12-18-01	13	1090.7	17.29	242.77	N/A	1	AL 350MCM	1328.7	210.73	0.1%	0.1%	2.2%	0.50%	2.8%	

RULE IN INCHES

RULER IN INCHES

DC FEEDER SCHEDULE - PCS 413																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	UBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	413-01	UBD-413-01	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	72.1	TR413-01-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.1%	1.6%	0.50%	2.2%	
1	413-02	UBD-413-02	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR413-02-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.2%	2.6%	0.50%	3.4%	
1	413-03	UBD-413-03	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	41.2	TR413-03-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	413-04	UBD-413-04	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR413-04-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.1%	2.6%	0.50%	3.4%	
1	413-05	UBD-413-05	14	242.06	400	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR413-05-01	14	1090.7	17.29	242.06	N/A	1	AL 350MCM	618	226.94	0.1%	0.0%	1.6%	0.50%	2.2%	
1	413-06	UBD-413-06	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR413-06-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1225.7	194.52	0.1%	0.0%	2.6%	0.50%	3.3%	
1	413-07	UBD-413-07	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR413-07-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.5%	
1	413-08	UBD-413-08	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	41.2	TR413-08-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.0%	0.0%	2.0%	0.50%	2.6%	
1	413-09	UBD-413-09	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR413-09-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%	
2	413-10	UBD-413-10	13	224.77	315	1	AL 750MCM	CU #2	40	1	AL 750MCM	CU #2	15.45	TR413-10-01	13	1090.7	17.29	224.77	N/A	1	AL 350MCM	1225.7	210.73	0.0%	0.0%	2.9%	0.50%	3.4%	
2	413-11	UBD-413-11	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR413-11-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.5%	
2	413-12	UBD-413-12	12	207.48	315	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR413-12-01	12	1090.7	17.29	207.48	N/A	1	AL 350MCM	1122.7	194.52	0.1%	0.1%	2.4%	0.50%	3.1%	
2	413-13	UBD-413-13	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR413-13-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%	
2	413-14	UBD-413-14	13	224.77	315	1	AL 750MCM	CU #2	65	1	AL 750MCM	CU #2	15.45	TR413-14-01	13	1090.7	17.29	224.77	N/A	1	AL 500MCM	1225.7	210.73	0.1%	0.0%	2.0%	0.50%	2.6%	
2	413-15	UBD-413-15	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR413-15-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.6%	
2	413-16	UBD-413-16	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR413-16-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	1122.7	178.31	0.1%	0.1%	2.2%	0.50%	2.9%	
2	413-17	UBD-413-17	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR413-17-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.6%	
2	413-18	UBD-413-18	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR413-18-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	1122.7	178.31	0.1%	0.1%	2.1%	0.50%	3.0%	

DC FEEDER SCHEDULE - PCS 414																													
OVERALL OUTPUT CIRCUIT PARAMETERS					FEEDER UNDERGROUND					FEEDER ON MESSENGER WIRE					OVERALL TRUNK CIRCUIT PARAMETERS					TRUNK ON RACKING									
INVERTER INPUT	FEEDER ID	UBD NUMBER	QTY OF STRINGS	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	CONDUCTORS PER POLE	CONDUCTOR SIZE	GROUND SIZE	LENGTH [FT]	TRUNK NUMBER	QTY OF STRINGS	OPERATING VOLTAGE Vmp [V]	STRING MAXIMUM CURRENT, SIMULATED [A]	FEEDER MAXIMUM CURRENT [A]	OCPO SIZE [A]	CONDUCTORS PER POLE	CONDUCTOR SIZE	LENGTH [FT]	FEEDER OPERATING CURRENT (STRING TRUNK) [A]	SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND	SEGMENT VOLTAGE DROP - FEEDER MESSENGER	SEGMENT VOLTAGE DROP - TRUNK	SEGMENT VOLTAGE DROP (STRING TO TRUNK)	TOTAL VOLTAGE DROP	
1	414-01	UBD-414-01	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR414-01-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.2%	1.8%	0.50%	2.6%	
1	414-02	UBD-414-02	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR414-02-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	1122.7	178.31	0.1%	0.1%	2.2%	0.50%	3.0%	
1	414-03	UBD-414-03	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR414-03-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.1%	1.8%	0.50%	2.6%	
1	414-04	UBD-414-04	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR414-04-01	10	1090.7	17.29	172.9	N/A	1	AL 350MCM	1030	162.1	0.1%	0.1%	1.9%	0.50%	2.5%	
1	414-05	UBD-414-05	12	207.48	315	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR414-05-01	12	1090.7	17.29	207.48	N/A	1	AL #4/0	515	194.52	0.1%	0.0%	1.8%	0.50%	2.5%	
1	414-06	UBD-414-06	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR414-06-01	10	1090.7	17.29	172.9	N/A	1	AL 350MCM	1030	162.1	0.1%	0.0%	1.9%	0.50%	2.5%	
1	414-07	UBD-414-07	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR414-07-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.2%	0.50%	1.9%	
1	414-08	UBD-414-08	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR414-08-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	927	162.1	0.1%	0.1%	2.8%	0.50%	3.4%	
1	414-09	UBD-414-09	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR414-09-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.0%	1.2%	0.50%	1.8%	
1	414-10	UBD-414-10	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	15.45	TR414-10-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	927	162.1	0.1%	0.0%	2.8%	0.50%	3.4%	
1	414-11	UBD-414-11	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR414-11-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.2%	0.50%	1.9%	
2	414-12	UBD-414-12	10	172.9	250	1	AL 350MCM	CU #2	40	1	AL 350MCM	CU #2	41.2	TR414-12-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	927	162.1	0.1%	0.1%	2.8%	0.50%	3.4%	
2	414-13	UBD-414-13	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR414-13-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.0%	1.2%	0.50%	1.9%	
2	414-14	UBD-414-14	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	15.45	TR414-14-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	1030	178.31	0.1%	0.0%	2.0%	0.50%	2.7%	
2	414-15	UBD-414-15	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR414-15-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.2%	0.50%	1.9%	
2	414-16	UBD-414-16	11	190.19	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	41.2	TR414-16-01	11	1090.7	17.29	190.19	N/A	1	AL 350MCM	1030	178.31	0.1%	0.1%	2.8%	0.50%	2.7%	
2	414-17	UBD-414-17	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR414-17-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.1%	1.2%	0.50%	2.0%	
2	414-18	UBD-414-18	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	72.1	TR414-18-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.1%	2.5%	0.50%	3.2%	
2	414-19	UBD-414-19	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	TR414-19-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.2%	1.2%	0.50%	2.0%	
2	414-20	UBD-414-20	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	103	TR414-20-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.2%	2.5%	0.50%	3.3%	
2	414-21	UBD-414-21	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.9	TR414-21-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.3%	1.2%	0.50%	2.3%	
2	414-22	UBD-414-22	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	133.9	TR414-22-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.3%	2.5%	0.50%	3.3%	
2	414-23	UBD-414-23	10	172.9	250	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	159.65	TR414-23-01	10	1090.7	17.29	172.9	N/A	1	AL #4/0	417.15	162.1	0.1%	0.4%	1.2%	0.50%	2.3%	
2	414-24	UBD-414-24	9	155.61	200	1	AL 350MCM	CU #2	65	1	AL 350MCM	CU #2	159.65	TR414-24-01	9	1090.7	17.29	155.61	N/A	1	AL #4/0	927	145.89	0.1%	0.3%	2.5%	0.50%	3.3%	



