| | | | DC FEEDER SC OVERALL OUTPUT CIRCUIT PARAMETERS FEEDER UNDERGROUND FEEDER ON MESSENGER WIRE | | | | | | | | | | | | | 01 | | | | | | | | | | | | |
|-------------------|-----------|--------------|---|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | 5 | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [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 | 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% |
| _ | | | | | | - | | | | | | | | TR101-01-02 | 4 | 1090.7 | 17.29 | 69.16 | 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% |
| 1 | 101-02 | LBD-101-02 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 650 | 1 | AL 750MCM | CU #2 | 412 | 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% |
| | | | | | | | | | | | | | | 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% |
| 1 | 101-03 | LBD-101-03 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 650 | 1 | AL 750MCM | CU#2 | 257.5 | TR101-03-01 | 8 | 1090.7 | 17.29 | 138.32 | 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 | 138.32 | 175 | 1 | AL #4/0 | 319.3 | 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% |
| 1 | 101-05 | LBD-101-05 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 650 | 1 | AL 750MCM | CU #2 | 103 | 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% |
| | | | | | | | | | | | | | | 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% |
| 1 | 101-06 | LBD-101-06 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 650 | 1 | AL 750MCM | CU #2 | 20.6 | TR101-06-01 TR101-06-02 | 6 | 1090.7 | 17.29 17.29 | 103.74 121.03 | 150 175 | 1 | AL #4/0 AL #4/0 | 272.95 144.2 | 97.26 113.47 | 0.3% | 0.0% | 0.5% | 0.50% | 1.3% |
| | | | | | | | | | | | | | | TR101-06-02 | , | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 AL #4/0 | 350.2 | 113.47 | 0.3% | 0.0% | 0.8% | 0.50% | 1.1% |
| 1 | 101-07 | LBD-101-07 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 20.6 | TR101-07-02 | | 1090.7 | 17.29 | 155.61 | 200 | - 1 | AL #4/0 | 422.3 | 145.89 | 0.0% | 0.0% | 1.1% | 0.50% | 1.7% |
| | 101-08 | LBD-101-08 | | 155.61 | 200 | , | AL 350MCM | CU #2 | 50 | - , | AL 350MCM | CU#2 | 36.05 | 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 | 101-08 | LBD-101-08 | 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% |
| 2 | 101-10 | LBD-101-10 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU#2 | 46.35 | 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% |
| 2 | 101-11 | LBD-101-11 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU#2 | 77.25 | 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% |
| 2 | 101-13 | LBD-101-13 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL350MCM | CU #2 | 133.9 | 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% |
| 2 | 101-14 | LBD-101-14 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 159.65 | 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% |
| 2 | 101-16 | LBD-101-16 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 216.3 | 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% |
| 2 | 101-17 | LBD-101-17 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 247.2 | 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 FE | EDER SCHED | ULE - PCS 1 | 02 | | | | | | | | | | | | |
|-------------------|-----------|---------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTPU | UT CIRCUIT PARAM | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK C | CIRCUIT PARAMETER | S | | | TRUNK ON RACKING | i | | | VOLTAGE DRO | OP 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 102-01 | LBD-102-01 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 412 | 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% |
| | 1 1 | | | | | | | | | | | | | 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% |
| 1 | 102-02 | LBD-102-02 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 329.6 | 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 AL #4/0 | 216.3 | 81.05 | 0.0% | 0.1% | 0.3% | 0.50% | 1.0% |
| | 102-03 | LBD-102-03 | 15 | 259.35 | | | AL 750MCM | CU #2 | 60 | | AL 750MCM | CU #2 | 247.2 | TR102-03-01 TR102-03-02 | 5 | 1090.7 | 17.29 | 86.45 86.45 | 110 | 1 | AL #4/0 AL #4/0 | 272.95 | 81.05 81.05 | 0.0% | 0.1% | 0.4% | 0.50% | 1.0% |
| 1 | 102-03 | LBD-102-03 | 15 | 259.35 | 400 | 1 | AL /SUMCM | CU #2 | 60 | 1 | AL /SUMLM | CU #2 | 247.2 | TR102-03-02 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL #4/0 AL #4/0 | 247.2 | 81.05 | 0.0% | 0.1% | 0.4% | 0.50% | 1.0% |
| | | | | | | | | | | | | | | TR102-04-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 247.2 | 97.26 | 0.1% | 0.2% | 0.4% | 0.50% | 1.2% |
| 1 | 102-04 | LBD-102-04 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU#2 | 190.55 | TR102-04-02 | 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% |
| | | | | | | | | | | | | | | TR102-05-01 | 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% |
| 1 | 102-05 | LBD-102-05 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU#2 | 133.9 | TR102-05-02 | 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% |
| | | | | | | | | | | | | | | TR102-06-01 | 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% |
| 1 | 102-06 | LBD-102-06 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU#2 | 77.25 | TR102-06-02 | 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% |
| | | | | | | | | | | | | | | 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% |
| 1 | 102-07 | LBD-102-07 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU#2 | 20.6 | TR102-07-02 | 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% |
| | | | | | | | | | | | | | | TR102-08-01 | 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% |
| 1 | 102-08 | LBD-102-08 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 20.6 | TR102-08-02 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL#4/0 | 216.3 | 81.05 | 0.0% | 0.0% | 0.3% | 0.50% | 0.9% |
| | | | | | | | | | | | | | | TR102-08-03 | 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% |
| | | | | | | | | | | | | | | 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% |
| 2 | 102-09 | LBD-102-09 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 20.6 | TR102-09-02 | 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 | 272.95 | 97.26 | 0.0% | 0.0% | 0.5% | 0.50% | 1.0% |
| | 1 1 | | | | | | | | | | | | | 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% |
| 2 | 102-10 | LBD-102-10 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 103 | 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 | 272.95 | 97.26 | 0.0% | 0.1% | 0.5% | 0.50% | 1.1% |
| | 102-11 | LBD-102-11 | 18 | 311.22 | 400 | l . | AL 750MCM | CU #2 | 60 | | AL 750MCM | CU #2 | 190.55 | TR102-11-01 TR102-11-02 | 6 | 1090.7 1090.7 | 17.29 17.29 | 103.74 | 150 150 | 1 | AL #4/0 AL #4/0 | 216.3 247.2 | 97.26 97.26 | 0.0% | 0.1% | 0.4% | 0.50% | 1.0% |
| - | 102-11 | 100-102-11 | 10 | 311.22 | 400 | 1 | AL / SUNICM | CO #2 | 80 | | AL / SOMICM | CU #2 | 190.33 | TR102-11-02 | 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% |
| _ | | | | | | | | | | | | | | 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% |
| 2 | 102-12 | LBD-102-12 | 18 | 311.22 | 400 | , | AL 750MCM | CU #2 | 60 | , | AL 750MCM | CU #2 | 272.95 | TR102-12-01 | 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% |
| - | 102-12 | 100-101-11 | 10 | 311.11 | 400 | | AL / JUNION | C0 #2 | 00 | - | AL / JOINCH | CO #2 | 1,1,33 | TR102-12-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 272.95 | 97.26 | 0.0% | 0.1% | 0.5% | 0.50% | 1.2% |
| | _ | | | | | | | | | | | | | TR102-13-01 | 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% |
| 2 | 102-13 | LBD-102-13 | 18 | 311.22 | 400 | 1 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 355.35 | TR102-13-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 247.2 | 97.26 | 0.0% | 0.1% | 0.4% | 0.50% | 1.1% |
| - | | , | | | | 1 | | | | | . , | | | TR102-13-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 272.95 | 97.26 | 0.0% | 0.2% | 0.5% | 0.50% | 1.2% |
| | | | | | | | | | | | | | | TR102-14-01 | 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% |
| 2 | 102-14 | LBD-102-14 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 442.9 | TR102-14-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 247.2 | 97.26 | 0.0% | 0.2% | 0.4% | 0.50% | 1.1% |
| | 1 | | | | 1 | 1 | | 1 | 1 | 1 | | 1 | | TR102-14-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 272.95 | 97.26 | 0.0% | 0.2% | 0.5% | 0.50% | 1.2% |
| | | | | | | | | | | | | | | TR102-15-01 | 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 | TR102-15-02 | 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% |
| | | | | | | | | | | | | | | TR102-15-03 | 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% |

PRARMET TITLE
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SCHEDULES & CALCULATIONS
PCS-101 THRU 102

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DITTORNEY AND STATEMENT OF THE DESCRIPTION OF THE DESCRIPTI

PWG SZE EPC 56" × 24" (Δ) VAN GUAR D PROÆET # (Δ) 11111 × 1111 ×

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 10 |)3 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | PUT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CI | CUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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 | 103-01 | LBD-103-01 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 329.6 | TR103-01-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 422.3 | 162.1 | 0.1% | 0.6% | 1.3% | 0.50% | 2.5% |
| 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 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 448.05 | 145.89 | 0.0% | 0.2% | 1.2% | 0.50% | 2.0% |
| | | | | | | | | | | | | | | TR103-02-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 422.3 | 145.89 | 0.0% | 0.2% | 1.1% | 0.50% | 1.9% |
| 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 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 448.05 | 145.89 | 0.0% | 0.2% | 1.2% | 0.50% | 1.9% |
| | | | | | | | | | | | | | | TR103-03-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 422.3 | 145.89 | 0.0% | 0.2% | 1.1% | 0.50% | 1.8% |
| 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 TR103-04-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 AL #4/0 | 345.05 319.3 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.5% |
| | _ | | | | | | | | | | | | | TR103-04-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 AL #4/0 | 319.3 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.4% |
| 1 | 103-05 | LBD-103-05 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 108.15 | TR103-05-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | i i | AL #4/0 | 319.3 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.4% |
| | | | | | | | | | | | | | | TR103-06-01 | 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% |
| 1 | 103-06 | LBD-103-06 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 51.5 | TR103-06-02 | 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% |
| | | | | | | | | | | | | | | TR103-07-01 | 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 | 103-07 | LBD-103-07 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 20.6 | TR103-07-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 288.4 | 97.26 | 0.0% | 0.0% | 0.5% | 0.50% | 1.1% |
| 2 | 103-08 | LBD-103-08 | 12 | 207.48 | 315 | , | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 20.6 | TR103-08-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 216.3 | 97.26 | 0.0% | 0.0% | 0.4% | 0.50% | 1.0% |
| | 103 00 | 100-103-00 | | 207.40 | 313 | • | AL JJOINCH | CO #2 | 40 | • | AL SOURICHI | CO #1 | 10.0 | TR103-08-02 | 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% |
| , | 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 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.0% | 0.7% | 0.50% | 1.2% |
| _ | | | | | | | | | | - | | | | TR103-09-02 | 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 | 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 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.0% | 0.7% | 0.50% | 1.2% |
| _ | _ | | | | | | | | | | | | | TR103-10-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 AL #4/0 | 345.05 | 113.47 | 0.0% | 0.0% | 0.7% | 0.50% | 1.3% |
| 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 TR103-11-02 | , | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 345.05 | 113.47 | 0.0% | 0.1% | 0.7% | 0.50% | 1.3% |
| _ | _ | | | | | | | | | | | | | TR103-12-01 | 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% |
| 2 | 103-12 | LBD-103-12 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 190.55 | TR103-12-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 1 | AL #4/0 | 345.05 | 113.47 | 0.0% | 0.1% | 0.7% | 0.50% | 1.4% |
| | † | | | | | | | | | | | | | TR103-13-01 | 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% |
| 2 | 103-13 | LBD-103-13 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 242.05 | TR103-13-02 | 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% |
| | 103-14 | LBD-103-14 | T | 242.06 | | · . | AL750MCM | 011.00 | | · . | AL 750MCM | | 298.7 | TR103-14-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 2 | 103-14 | LBD-103-14 | 14 | 242.06 | 400 | 1 | AL /SOMCM | CU #2 | 60 | 1 | AL /SOMCM | CU #2 | 298.7 | TR103-14-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 345.05 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 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 | 17.29 | 121.03 | N/A | 1 | AL#4/0 | 319.3 | 113.47 | 0.1% | 0.4% | 0.7% | 0.50% | 1.7% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 10 |)4 | | | | | | | | | | | | |
|----------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP CALCS | | |
| INVERTER | 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 Imp) [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 | 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 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 303.85 | 129.68 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| | | | | | - | - | | | | - | | | | TR104-01-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 345.05 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 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 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL #4/0 | 422.3 | 145.89 | 0.1% | 0.3% | 1.1% | 0.50% | 2.0% |
| 1 | 104-03 | LBD-104-03 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 35 | 1 | AL 350MCM | CU #2 | 159.65 | TR104-03-01 | 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% | 2.1% |
| 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 | 17.29 | 190.19 | N/A | 1 | AL #4/0 | 520.15 | 178.31 | 0.1% | 0.3% | 1.7% | 0.50% | 2.5% |
| 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 | 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 | 104-06 | LBD-104-06 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 35 | 1 | AL 750MCM | CU #2 | 72.1 | TR104-06-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 350MCM | 623.15 | 210.73 | 0.0% | 0.1% | 1.5% | 0.50% | 2.1% |
| 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 | 17.29 | 242.06 | N/A | 1 | AL 350MCM | 623.15 | 226.94 | 0.0% | 0.1% | 1.6% | 0.50% | 2.2% |
| 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 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.0% | 0.0% | 1.9% | 0.50% | 2.5% |
| 1 | 104-09 | LBD-104-09 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 35 | 1 | AL 750MCM | CU #2 | 20.6 | TR104-09-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.0% | 0.0% | 2.1% | 0.50% | 2.6% |
| 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 | 17.29 | 293.93 | N/A | 1 | AL 500MCM | 824 | 275.57 | 0.0% | 0.1% | 1.8% | 0.50% | 2.4% |
| 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 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.1% | 1.9% | 0.50% | 2.5% |
| 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 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 535.6 | 194.52 | 0.1% | 0.3% | 1.9% | 0.50% | 2.8% |
| 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 | 17.29 | 190.19 | N/A | 1 | AL 350MCM | 1143.3 | 178.31 | 0.1% | 0.2% | 2.3% | 0.50% | 3.1% |
| 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 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 437.75 | 162.1 | 0.1% | 0.6% | 1.3% | 0.50% | 2.5% |
| 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 | 17.29 | 155.61 | N/A | 1 | AL 350MCM | 937.3 | 145.89 | 0.1% | 0.5% | 1.5% | 0.50% | 2.6% |
| 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 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.0% | 0.7% | 2.1% | 0.50% | 3.3% |
| 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 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.8% | 1.9% | 0.50% | 3.2% |
| 2 | 104-18 | LBD-104-18 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 35 | 1 | AL 750MCM | CU #2 | 576.8 | TR104-18-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.9% | 1.9% | 0.50% | 3.3% |
| 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 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.9% | 1.9% | 0.50% | 3.3% |
| 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 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.9% | 1.9% | 0.50% | 3.4% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 10 | 05 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-------------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAI | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CIP | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | P 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 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 927 | 162.1 | 0.1% | 0.5% | 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 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.1% | 0.5% | 1.2% | 0.50% | 2.3% |
| 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 | 17.29 | 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 | 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 | 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 | 17.29 | 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 | 17.29 | 207.48 | N/A | 1 | AL#4/0 | 520.15 | 194.52 | 0.1% | 0.3% | 1.9% | 0.50% | 2.7% |
| 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 | 17.29 | 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 | 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 | 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 | 17.29 | 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 | 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 | 105-11 | LBD-105-11 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 30.9 | TR105-11-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 1 | 105-12 | LBD-105-12 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 30.9 | TR105-12-01 | 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 | 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 | 17.29 | 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 | 17.29 | 207.48 | N/A | 1 | AL#4/0 | 520.15 | 194.52 | 0.1% | 0.0% | 1.9% | 0.50% | 2.5% |
| , | 105-15 | LBD-105-15 | 14 | 242.06 | 400 | 1 | AL750MCM | CU #2 | 710 | , | AL 750MCM | CU #2 | 20.6 | TR105-15-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.4% | 0.0% | 0.7% | 0.50% | 1.6% |
| _ ^ | 103-13 | 100-103-13 | | 242.00 | 400 | - | AL / JOIN CH | CO W2 | 710 | | AL / JUNION | CO #2 | 20.0 | TR105-15-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 345.05 | 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 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.4% | 0.0% | 0.7% | 0.50% | 1.6% |
| _ ^ | 103-10 | 100-103-10 | 10 | 270.04 | 400 | - | AL / JOIN CH | CO W2 | 710 | | AL /JUNION | CO #2 | 77.23 | TR105-16-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 448.05 | 145.89 | 0.4% | 0.0% | 1.2% | 0.50% | 2.2% |
| , | 105-17 | LBD-105-17 | 18 | 311.22 | 400 | 1 | AL750MCM | CU #2 | 710 | , | AL 750MCM | CU #2 | 133.9 | TR105-17-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 422.3 | 145.89 | 0.5% | 0.1% | 1.1% | 0.50% | 2.3% |
| | | 103-17 | -0 | | | | | "2 | .10 | | | -5 *** | -333 | TR105-17-02 | 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% |
| , | 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 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 422.3 | 145.89 | 0.5% | 0.1% | 1.1% | 0.50% | 2.3% |
| | | | | | | • | | | | - | | | | TR105-18-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 448.05 | 145.89 | 0.5% | 0.1% | 1.2% | 0.50% | 2.4% |
| 2 | 105-19 | LBD-105-19 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 710 | 1 | AL 350MCM | CU #2 | 242.05 | TR105-19-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL 500MCM | 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 | 272.95 | TR105-20-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL 500MCM | 520.15 | 194.52 | 1.5% | 0.6% | 0.8% | 0.50% | 3.4% |
| 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 | 17.29 | 207.48 | N/A | 1 | AL 500MCM | 520.15 | 194.52 | 1.5% | 0.6% | 0.8% | 0.50% | 3.5% |

SCHEDULES & CALCULATIONS
PCS-103 THRU 105

PAGE SIZE EPC 36" × 24" PROJECT # PROJECT # O6271

DURENCE | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 20

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| | | | | | | | | | | | | | DC F | EEDER SCHED | ULE - PCS 10 | 6 | | | | | | | | | | | | |
|-------------------|--|-------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUT | PUT CIRCUIT PAR | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROF - TRUNK | SEGMENT VOLTAGE DROP (STRING TO 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% |
| | 106-06 LB0-106-06 16 276.64 400 1 ALTSOMEN CU #2 13S 1 ALTSOMEN CU #2 561.35 TR106-06-02 4 1090.7 17.29 69.16 90 1 ALT=4/0 144.2 64.84 0.1% 0.2% 0.50% | | | | | | | | | | | | | | | 0.50% | 1.4% | | | | | | | | | | | |
| 1 | 16-66 LBD-16-66 16 276-64 400 1 AL750MCM CU #2 135 1 AL750MCM CU #2 561.35 TR106-66-02 4 1090.7 17.29 69.16 90 1 ALE-4/0 144.2 64.84 0.1% 0.4% 0.2% 0.50% 0. | | | | | | | | | | | | | | | 0.50% | 1.1% | | | | | | | | | | | |
| | TRIDO-06-03 4 1000.7 17.79 69.16 50 1 ALA40 118.5 64.8 0.3% 0.3% 0.50% 0 | | | | | | | | | | | | | | | 0.50% | 1.1% | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 0.50% | 1.1% | | | | | | | | | | | |
| 1 | The control of the co | | | | | | | | | | | | | | | 0.50% | 1.1% | | | | | | | | | | | |
| | | | | | | | | | | | | | | 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% |
| | 106-08 | LBD-106-08 | 12 | 207.48 | 315 | , | AL 350MCM | CU #2 | 135 | , | AL 350MCM | CU #2 | 422.3 | 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% | 1.5% |
| 1 | 100,09 | FBD-100-06 | 12 | 207.46 | 313 | 1 | AL SOUNICM | CO #2 | 133 | 1 | AL SOUNCM | CO #2 | 422.5 | 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% |
| , | 106-09 | LBD-106-09 | 18 | 311.22 | 400 | , | AL 750MCM | CU #2 | 135 | , | AL 750MCM | CU #2 | 365.65 | TR106-09-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 448.05 | 145.89 | 0.1% | 0.3% | 1.2% | 0.50% | 2.1% |
| | 100-03 | 100-100-05 | 10 | 311.11 | 400 | - | AL / JOINCH | CO #2 | 133 | | AL / JUNICIN | CO #2 | 303.03 | TR106-09-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 422.3 | 145.89 | 0.1% | 0.3% | 1.1% | 0.50% | 2.0% |
| , | 106-10 | LBD-106-10 | 18 | 311.22 | 400 | , | AL 750MCM | CU #2 | 135 | , | AL 750MCM | CU #2 | 309 | TR106-10-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 448.05 | 145.89 | 0.1% | 0.2% | 1.2% | 0.50% | 2.0% |
| | 100-10 | EBD-100-10 | 10 | 311.22 | 400 | 1 | AL / SUMICIVI | CO #2 | 133 | 1 | AL / SUNICINI | CO #2 | 309 | TR106-10-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 422.3 | 145.89 | 0.1% | 0.2% | 1.1% | 0.50% | 2.0% |
| 2 | 106-11 | LBD-106-11 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 283.25 | 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% |
| 2 | 106-12 | LBD-106-12 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 252.35 | 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% |
| 2 | 106-13 | LBD-106-13 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 226.6 | 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 | 10 | 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% |
| 2 | 106-15 | LBD-106-15 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 169.95 | 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% |
| 2 | 106-16 | LBD-106-16 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 103 | 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% |
| 2 | 106-17 | LBD-106-17 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 77.25 | 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% |
| 2 | 106-18 | LBD-106-18 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 135 | 1 | AL 350MCM | CU #2 | 46.35 | 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 | 12 | 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% |
| 2 | 106-20 | LBD-106-20 | 14 | 242.06 | 400 | , | AL 750MCM | CU #2 | 135 | , | AL 750MCM | CU #2 | 30.9 | 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% |
| - | 103-20 | 100-100-20 | 14 | 2-2.00 | -00 | 1 1 | AL / JOINICM | CO #2 | 133 | 1 | AL / JUNICINI | CU#2 | 30.9 | 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% |
| - | 106-21 | 100 106 31 | 13 | 224.77 | 315 | | AL 750MCM | CUM | 135 | | AL 750MCM | CU #2 | F1.F | 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% |
| | 100-21 | LBD-106-21 | 13 | 224.77 | 315 | 1 | AL /SUMUM | CU #2 | 135 | 1 | AL / SUMUM | CU #2 | 51.5 | 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% |
| | | | | | | | | | | | | | DC F | EEDER SCHED | ULE - PCS 10 | 7 | | | | | | | | | | | | |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 10 | 17 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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 | 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 | 20.6 | 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 | 103 | 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 | 216.3 | 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% | 2.5% |
| 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 | 329.6 | 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 | 638.6 | 210.73 | 0.3% | 0.4% | 1.5% | 0.50% | 2.7% |
| l . | | | | | | | | | | | | | | 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% |
| ² | 107-21 | LBD-107-21 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 240 | 1 | AL 750MCM | CU #2 | 813.7 | TR107-21-02 | S | 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% |
| \vdash | _ | | 1 | | - | - | - | | - | - | 1 | | - | TR107-21-03 TR107-22-01 | S F | 1090.7 1090.7 | 17.29 17.29 | 86.45 86.45 | 110 110 | 1 | AL#4/0 AL#4/0 | 272.95 216.3 | 81.05 81.05 | 0.1% | 0.8% | 0.4% | 0.50% | 1.3% |
| 2 | 107-22 | LBD-107-22 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 240 | 1 | AL 350MCM | CU #2 | 896.1 | | 3 | | _ | | | 1 | | | | | | | | |
| | | | | | | | | | | | | | | 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% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 10 | 08 | | | | | | | | | | | | |
|-------------------|-----------|-------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUT | PUT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | S | | | TRUNK ON RACKING | | | | VOLTAGE DRO | IP 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 Imp) [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 | 108-01 | LBD-108-01 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR108-01-01 | 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 | 108-02 | LBD-108-02 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | TR108-02-01 | 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 | 108-03 | LBD-108-03 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 36.05 | TR108-03-01 | 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% |
| 1 | 108-04 | LBD-108-04 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 20.6 | TR108-04-01 | 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 | 108-05 | LBD-108-05 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 46.35 | TR108-05-01 | 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% | 2.4% |
| 1 | 108-06 | LBD-108-06 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 118.45 | TR108-06-01 | 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 | 108-07 | LBD-108-07 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 92.7 | TR108-07-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL 500MCM | 824 | 275.57 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 1 | 108-08 | LBD-108-08 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 61.8 | TR108-08-01 | 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 | 108-09 | LBD-108-09 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 36.05 | TR108-09-01 | 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% |
| 1 | 108-10 | LBD-108-10 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 20.6 | TR108-10-01 | 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 | 108-11 | LBD-108-11 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 36.05 | TR108-11-01 | 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% |
| 2 | 108-12 | LBD-108-12 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 61.8 | TR108-12-01 | 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 | 108-13 | LBD-108-13 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 92.7 | TR108-13-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.1% | 2.1% | 0.50% | 2.8% |
| 2 | 108-14 | LBD-108-14 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 118.45 | TR108-14-01 | 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% |
| 2 | 108-15 | LBD-108-15 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 149.35 | TR108-15-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.2% | 2.1% | 0.50% | 2.9% |
| 2 | 108-16 | LBD-108-16 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 175.1 | TR108-16-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.2% | 2.1% | 0.50% | 2.9% |
| 2 | 108-17 | LBD-108-17 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 200.85 | TR108-17-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.3% | 2.1% | 0.50% | 2.9% |
| 2 | 108-18 | LBD-108-18 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 231.75 | TR108-18-01 | 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% |
| 2 | 108-19 | IBD-108-19 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 480 | 1 | AL 750MCM | CU #2 | 247.2 | TR108-19-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL#4/0 | 319.3 | 129.68 | 0.3% | 0.2% | 0.8% | 0.50% | 1.7% |
| - | 200 25 | | | | | | | | | _ | | | | TR108-19-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 329.6 | 97.26 | 0.3% | 0.2% | 0.6% | 0.50% | 1.6% |

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

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|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|-------------|------------------------------------|---|------|
| | | OVERALL OUTP | UT CIRCUIT PARAI | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | 5 | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | 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% |
| | | | | | | - | | | | - | | | | 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 | 109-02 | LBD-109-02 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR109-02-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 448.05 | 162.1 | 0.1% | 0.1% | 1.3% | 0.50% | 2.0% |
| 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 | 190.19 | N/A | 1 | AL #4/0 | 520.15 | 178.31 | 0.1% | 0.0% | 1.7% | 0.50% | 2.4% |
| 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% | 0.0% | 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% | 0.0% | 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% |
| 1 | 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 SOOMCM | 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 SOOMCM | 824 | 291.78 | 0.1% | 0.2% | 1.9% | 0.50% | 2.7% |
| | 109-13 | LBD-109-13 | | 311.22 | | 1 | AL 750MCM | 00.00 | 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 SOOMCM | 824 | 291.78 | 0.1% | 0.0% | 1.9% | 0.50% | 2.5% |
| 2 | 109-17 | LBD-109-17 | 18 | 311.22 | 400 | 1 1 | AL 750MCM | CU #2 | /0 | 1 | AL 750MCM | CU #2 | 36.05 | TR109-17-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 1 | AL SOOMCM | 824 | 291.78 | 0.1% | 0.1% | 1.9% | 0.50% | 2.5% |
| | 109-18 | LBD-109-18 | | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 61.8 | TR109-18-01 | | 1090.7 | 17.29 | 311.22 | N/A 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 | | 1 | AL SOOMCM | 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 SOOMCM | 824 | 291.78 | 0.1% | 0.2% | 1.9% | 0.50% | 2.7% |

| | | | | | | | | | | | | | DC FF | EDER SCHED | IIIF - PCS 1 | 10 | | | | | | | | | | | | |
|-------------------|---|------------|-------------------|----------------------------------|---------------|------------------------|------------------------|-------|-------------|------------------------|------------------------|-------------|-----------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | OVERALL OUTPUT CIRCUIT PARAMETERS FEEDER UNDERGROUND FEEDER ON MESSENGER WIRE | | | | | | | | | | | | | | 011 1001 | OVERALL TRUNK CII | DCI HT DADAMETERS | | | | TRUNK ON RACKING | 2 | | | VOLTAGE DRO | PCAICS | | |
| INVERTER INPUT | FEEDER ID | LBD NUMBER | QTY OF STRINGS | FEEDER MAXIMUM CURRENT [A] | OCPD SIZE [A] | CONDUCTORS PER POLE | CONDUCTOR SIZE | | LENGTH [FT] | CONDUCTORS PER POLE | CONDUCTOR | 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 110-01 | LBD-110-01 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 20.6 | TR110-01-02 | 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% |
| 1 | 110-03 | LBD-110-03 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | TR110-03-01 | 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% |
| | | | | | | | | | | | | | | 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% |
| 1 | 110-04 | LBD-110-04 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | TR110-04-01 | 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% |
| | | | | | | | | | | | | | | TR110-04-02 | 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% |
| 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 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.3% | 2.1% | 0.50% | 3.0% |
| 1 | 110-06 | LBD-110-06 | 18 | 311.22 311.22 | 400 | 1 | AL 750MCM AL 750MCM | CU #2 | 70 | 1 | AL 750MCM AL 750MCM | CU #2 | 200.85 175.1 | TR110-06-01 TR110-07-01 | 18 | 1090.7 | 17.29 | 311.22 311.22 | N/A N/Δ | 1 | AL 500MCM AL 500MCM | 824 824 | 291.78 291.78 | 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 | 1/5.1 | TR110-07-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A N/A | 1 | AL SOUNCM | 824 824 | 291.78 | 0.1% | 0.3% | 1.9% | 0.50% | 2.7% |
| 1 | 110-08 | IBD-110-08 | 10 | 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 SOOMCM | 824 | 291.78 | 0.1% | 0.2% | 1.9% | 0.50% | 2.7% |
| 1 | 110-10 | LBD-110-10 | 10 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 92.7 | TR110-10-01 | 10 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL SOOMCM | 824 | 291.78 | 0.1% | 0.1% | 1.9% | 0.50% | 2.6% |
| 2 | 110-11 | LBD-110-10 | 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 SOOMCM | 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 SOOMCM | 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 FE | EDER SCHED | ULE - PCS 1: | 11 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAI | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CII | RCUIT PARAMETERS | | | | TRUNK ON RACKING | 3 | | | VOLTAGE DRO | OP 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 Imp) [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 | 111-01 | LBD-111-01 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR111-01-01 | 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 | 111-02 | LBD-111-02 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | TR111-02-01 | 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 | 111-03 | LBD-111-03 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR111-03-01 | 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% |
| 1 | 111-04 | LBD-111-04 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | TR111-04-01 | 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 | 111-05 | LBD-111-05 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 36.05 | TR111-05-01 | 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% |
| 1 | 111-06 | LBD-111-06 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 20.6 | TR111-06-01 | 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% |
| 1 | 111-07 | LBD-111-07 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 46.35 | TR111-07-01 | 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 | 111-08 | LBD-111-08 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | TR111-08-01 | 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 | 111-09 | LBD-111-09 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR111-09-01 | 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% |
| 1 | 111-10 | LBD-111-10 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | TR111-10-01 | 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% |
| 2 | 111-11 | LBD-111-11 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR111-11-01 | 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% |
| 2 | 111-12 | LBD-111-12 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 463.5 | TR111-12-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 432.6 | 162.1 | 0.1% | 0.8% | 1.3% | 0.50% | 2.7% |
| | 111-13 | LBD-111-13 | 17 | 293.93 | 400 | | AL 750MCM | CU #2 | 65 | | AL 750MCM | CU #2 | 509.85 | TR111-13-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 442.9 | 145.89 | 0.0% | 0.4% | 1.2% | 0.50% | 2.1% |
| _ | 111-13 | 100-111-13 | | 233.33 | 400 | | AL / JUNICIN | CO #2 | - 03 | - | AL /JOINCH | CO #2 | 303.03 | TR111-13-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL#4/0 | 401.7 | 129.68 | 0.0% | 0.4% | 1.0% | 0.50% | 1.9% |
| 2 | 111-14 | LBD-111-14 | 14 | 242.06 | 400 | ١, | AL 750MCM | CU #2 | 65 | , | AL 750MCM | CU #2 | 602.55 | TR111-14-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 370.8 | 113.47 | 0.0% | 0.4% | 0.8% | 0.50% | 1.7% |
| _ | 111-14 | 100-111-14 | | 242.00 | 400 | | AL / JUNICIN | CO #2 | | - | AL /JOINCH | CO #2 | 002.33 | TR111-14-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 381.1 | 113.47 | 0.0% | 0.4% | 0.8% | 0.50% | 1.7% |
| | | | | | | | | | | | | | | TR111-15-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 242.05 | 97.26 | 0.0% | 0.4% | 0.4% | 0.50% | 1.3% |
| 2 | 111-15 | LBD-111-15 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 700.4 | TR111-15-02 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL #4/0 | 309 | 81.05 | 0.0% | 0.4% | 0.5% | 0.50% | 1.3% |
| | | | | | | | | | | | | | | TR111-15-03 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL#4/0 | 334.75 | 81.05 | 0.0% | 0.4% | 0.5% | 0.50% | 1.4% |
| 2 | 111-16 | LBD-111-16 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 77.25 | TR111-16-01 | 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 | 111-17 | LBD-111-17 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 46.35 | TR111-17-01 | 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 | 111-18 | LBD-111-18 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 20.6 | TR111-18-01 | 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 | 111-19 | LBD-111-19 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 70 | 1 | AL 750MCM | CU #2 | 36.05 | TR111-19-01 | 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% |

SCHEDULES & CALCULATIONS PCS-109 THRU 111

PHOSE SZE FPC

36" x 24"

PROJECT #

06271

WINNESSE FPC

| DUREPOWER | DOT | | | DOT |

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

SCHEDULES & CALCULATIONS PCS-112

E3.514

 DATE
 RENISON DESCRIPTION
 PM BMG IOHK

 03/26/2024
 900 DESIGN DESCRIPTION
 RK GP B.

 01/26/2024
 600 DESIGN DESCRIPTION
 RK GP B.

 01/10/2024
 600 M.N DESIGN
 RK GP B.

 10/16/2023
 300 DESIGN — REV Z
 RK GP B.

PUREPOWER

111 RARE STREET, HORDINEN, NJ

WWW.ZUREPOWER.COM

MW.ZUREPOWER.COM

MW.ZU

VANGUARD

SHEET PARTIES LEE

179,536.50 kW 176,400.00 kW HT-SAME HT72-1 326,430 25° TLT, 180° AZ

F DC SYSTEM SIZE: AC SYSTEM SIZE: MODULE TYPE: MODULE QUANTITY: ORIENTATION:

WW SOLAR GROUND MOUNT SYSTEM CPV BACKBONE 1429 SHARPLESS MINE ROAD ARREIT COUNTY, MARYLAND 21561

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 2 | 01 | | | | | | | | | | | | |
|-------------------|-----------|--------------------------|-------------------|----------------------------------|---------------|------------------------|------------------------|-------------|-------------|------------------------|------------------------|---------------|---------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UND | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | S | | | TRUNK ON RACKING | 3 | | | VOLTAGE DRO | P 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 201-01 | LBD-201-01 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 242.05 | TR201-01-02 | 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% | 0.1% | 0.50% | 0.9% |
| 1 | 201-02 | LBD-201-02 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU#2 | 190.55 | TR201-02-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 448.05 | 145.89 | 0.0% | 0.1% | 1.2% | 0.50% | 1.9% |
| | | | | | | | | | | | | | | TR201-02-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 422.3 | 145.89 | 0.0% | 0.1% | 1.1% | 0.50% | 1.8% |
| 1 | 201-03 | LBD-201-03 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 159.65 | TR201-03-01 | 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% |
| 1 | 201-04 | LBD-201-04 | 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% | 0.2% | 1.3% | 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% | 1.3% | 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 | 178.31 | 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% | 1.3% | 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 LBD-201-13 | 16 | 276.64 276.64 | 400 400 | 1 | AL 750MCM AL 750MCM | CU #2 | 65 65 | 1 | AL 750MCM AL 750MCM | CU #2 | 20.6 46.35 | TR201-12-01 TR201-13-01 | 16 | 1090.7 | 17.29 17.29 | 276.64 276.64 | N/A N/A | 1 | AL 350MCM AL 350MCM | 721 721 | 259.36 259.36 | 0.1% | 0.0% | 2.1% | 0.50% | 2.7% |
| 2 | | | 16 | 276.64 | | 1 | AL 750MCM | | 65 | 1 | AL 750MCM | | | TR201-13-01 | 16 | | | 276.64 | | 1 | AL 350MCM | | 259.36 | | | _ | | |
| 2 | 201-14 | LBD-201-14 | 16 | | 400 | 1 | | CU #2 | | 1 | | CU #2 | 77.25 | | 16 | 1090.7 | 17.29 | | N/A | 1 | | 721 | | 0.1% | 0.1% | 2.1% | 0.50% | 2.8% |
| 2 | 201-15 | LBD-201-15 | 16 | 276.64 276.64 | 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 | 2/6.64 | 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 FE | EDER SCHED | ULE - PCS 2 | 02 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 202-01 | LBD-202-01 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 1010 | 1 | AL 750MCM | CU #2 | 10.3 | TR202-01-02 | 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% |
| | | | | | | | | | | | | | | TR202-02-01 | 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 | TR202-02-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 128.75 | 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% |
| 1 | 202-03 | LBD-202-03 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 216.3 | TR202-03-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 525.3 | 194.52 | 0.1% | 0.5% | 1.9% | 0.50% | 3.0% |
| 1 | 202-04 | LBD-202-04 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 190.55 | TR202-04-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 525.3 | 194.52 | 0.1% | 0.4% | 1.9% | 0.50% | 2.9% |
| 1 | 202-05 | LBD-202-05 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 159.65 | TR202-05-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 525.3 | 194.52 | 0.1% | 0.3% | 1.9% | 0.50% | 2.8% |
| 1 | 202-06 | LBD-202-06 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 133.9 | TR202-06-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 525.3 | 194.52 | 0.1% | 0.3% | 1.9% | 0.50% | 2.8% |
| 1 | 202-07 | LBD-202-07 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 103 | TR202-07-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 525.3 | 194.52 | 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 | 194.52 | 0.1% | 0.2% | 1.9% | 0.50% | 2.7% |
| 2 | 202-09 | LBD-202-09 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 46.35 | TR202-09-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL#4/0 | 525.3 | 194.52 | 0.1% | 0.1% | 1.9% | 0.50% | 2.6% |
| 2 | 202-10 | LBD-202-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 20.6 | TR202-10-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 525.3 | 194.52 | 0.1% | 0.0% | 1.9% | 0.50% | 2.5% |
| 2 | 202-11 | LBD-202-11 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 10.3 | TR202-11-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL #4/0 | 525.3 | 178.31 | 0.1% | 0.0% | 1.7% | 0.50% | 2.4% |
| 2 | 202-12 | LBD-202-12 | 17 | 293.93 | 400 | ١, | AL 750MCM | CU #2 | 110 | , | 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% |
| _ | 101-11 | 100-202-12 | | 233.33 | 400 | - | AL / JUNICIN | CO #2 | 110 | • | AL / JOINCH | C0 #1 | 30.3 | 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% |
| | 1 1 | | | | | | | | | | | | | TR202-13-01 | 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% |
| 2 | 202-13 | LBD-202-13 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 110 | 1 | AL 750MCM | CU #2 | 51.5 | TR202-13-02 | 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% |
| | | | | | | | | | | | | | | TR202-13-03 | 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 | 202-14 | LBD-202-14 | 17 | 293.93 | 400 | 1 1 | AL 750MCM | CU #2 | 185 | 1 | AL 750MCM | CU#2 | 30.9 | TR202-14-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 422.3 | 145.89 | 0.1% | 0.0% | 1.1% | 0.50% | 1.8% |
| _ | | | | | .50 | | Somew | -5** | -33 | - | | | | 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% |
| 2 | 202-15 | LBD-202-15 | 14 | 242.06 | 400 | 1 1 | AL 750MCM | CU #2 | 185 | 1 | AL 750MCM | CU#2 | 51.5 | 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% |
| _ | | | | 2.2.00 | .50 | | Somem | -5 **2 | -33 | - | | | | 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 1 | AL 350MCM | CU #2 | 185 | 1 | AL 350MCM | CU#2 | 149.35 | TR202-16-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 216.3 | 97.26 | 0.2% | 0.2% | 0.4% | 0.50% | 1.2% |
| _ | 101.10 | | | | | - | | | | - | | ***** | | 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% | 1.3% |

| | | | | | | | | | | | | | DC FI | EDER SCHED | ULE - PCS 2 | 03 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAM | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CIT | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [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 | 203-01 | LBD-203-01 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 133.9 | TR203-01-01 | 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% |
| 1 | 203-02 | LBD-203-02 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR203-02-01 | 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 | 203-03 | LBD-203-03 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 77.25 | TR203-03-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 921.85 | 162.1 | 0.1% | 0.1% | 1.7% | 0.50% | 2.4% |
| 1 | 203-04 | LBD-203-04 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 77.25 | TR203-04-01 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL#4/0 | 520.15 | 145.89 | 0.1% | 0.1% | 1.4% | 0.50% | 2.1% |
| 1 | 203-05 | LBD-203-05 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR203-05-01 | 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 | 203-06 | LBD-203-06 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR203-06-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 1 | 203-07 | LBD-203-07 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 20.6 | TR203-07-01 | 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 | 203-08 | LBD-203-08 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 20.6 | TR203-08-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.0% | 1.8% | 0.50% | 2.5% |
| 1 | 203-09 | LBD-203-09 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 36.05 | TR203-09-01 | 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 | 203-10 | LBD-203-10 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 36.05 | TR203-10-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 350MCM | 1024.85 | 178.31 | 0.1% | 0.1% | 2.0% | 0.50% | 2.7% |
| 1 | 203-11 | LBD-203-11 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 20.6 | TR203-11-01 | 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 | 203-12 | LBD-203-12 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 20.6 | TR203-12-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 350MCM | 1024.85 | 178.31 | 0.1% | 0.0% | 2.0% | 0.50% | 2.7% |
| 2 | 203-13 | LBD-203-13 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 46.35 | TR203-13-01 | 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 | 203-14 | LBD-203-14 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 46.35 | TR203-14-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 350MCM | 1024.85 | 178.31 | 0.1% | 0.1% | 2.0% | 0.50% | 2.7% |
| 2 | 203-15 | LBD-203-15 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 20.6 | TR203-15-01 | 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 | 203-16 | LBD-203-16 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 20.6 | TR203-16-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.0% | 1.8% | 0.50% | 2.5% |
| 2 | 203-17 | LBD-203-17 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR203-17-01 | 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 | 203-18 | LBD-203-18 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR203-18-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 2 | 203-19 | LBD-203-19 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 77.25 | TR203-19-01 | 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 | 203-20 | LBD-203-20 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 77.25 | TR203-20-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.1% | 1.8% | 0.50% | 2.6% |
| 2 | 203-21 | LBD-203-21 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 103 | TR203-21-01 | 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% |
| 2 | 203-22 | LBD-203-22 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 103 | TR203-22-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.2% | 1.8% | 0.50% | 2.6% |
| 2 | 203-23 | LBD-203-23 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 133.9 | TR203-23-01 | 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% |
| 2 | 203-24 | LBD-203-24 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 133.9 | TR203-24-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1024.85 | 162.1 | 0.1% | 0.2% | 1.8% | 0.50% | 2.7% |

GENERATED FOR S. CONTRACTOR S. CONTRACTOR S. SCHEDULES & CALCULATIONS PCS-201 THRU 203

PURETOWER

DITTORNEY AND STATEMENT OF THE DESCRIPTION OF THE DESCRIPTI

179.5 WW SOLAR GROUND MOUNT SYSTEM AT DE SYSTEM SEE: 178,584.50 WW CPV BACKENON SYSTEM AND SYSTEM SEE: 178,584.50 MINT: 1429 SHARPLES MINT RAAD MOUNT, MARYLAND 21561 ORBITATION.

| | | | | | | | | | | | | | DC FE | EDER SCHEE | OULE - PCS 20 | 04 | | | | | | | | | | | | |
|-----------------|-------------|--------------------------|-------------------|----------------------------------|---------------|------------------------|------------------------|-------------|-------------|------------------------|------------------------|----------------|--------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DROI | P CALCS | | |
| INVERT INPUT | R 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 204-01 | LBD-204-01 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 721 | 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% |
| ١, | 204-02 | LBD-204-02 | 13 | 224.77 | 315 | , | AL 750MCM | CU #2 | 65 | ١, | AL 750MCM | CU #2 | 721 | 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% |
| | 104-01 | 100 104 01 | - 23 | 224.77 | 313 | * | AL / JOHNCHI | CO W2 | 0.5 | * | AL 730MICH | CO #2 | 722 | TR204-02-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.4% | 0.7% | 0.50% | 1.6% |
| 1 | 204-03 | LBD-204-03 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 721 | TR204-03-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 345.05 | 113.47 | 0.0% | 0.4% | 0.7% | 0.50% | 1.7% |
| _ | 20.00 | | | | | | | | | - | | | | TR204-03-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 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 | 81.05 | 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% |
| 1 | 204-05 | LBD-204-05 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | 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% |
| | | | | | | | | | | | | | | 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% |
| 1 | 204-06 | LBD-204-06 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | 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% |
| 1 | 204-07 | LBD-204-07 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | 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% |
| 1 | 204-08 | LBD-204-08 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | 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 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% |
| 2 | 204-10 | LBD-204-10 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 50 50 | 1 | AL 750MCM | CU #2 | 20.6 | 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% |
| 2 | 204-11 | LBD-204-11 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 46.35 | 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% |
| 2 | 204-12 | LBD-204-12 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | TR204-12-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A N/A | 1 1 | AL 500MCM | 824 | 275.57 | 0.1% | 0.0% | 1.8% | 0.50% | 2.4% |
| 1 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 | | 1 | AL SOOMCM AL SOOMCM | 824 | 275.57 | 0.1% | 0.1% | 1.8% | 0.50% | 2.4% |
| 2 | 204-14 | LBD-204-14 | 17 | 293.93 | 100 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | TR204-14-01 | | 1090.7 | 17.29 | 293.93 | N/A | 1 1 | | 824 | 275.57 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 2 | 204-15 | LBD-204-15 | 17 | 293.93 293.93 | 400 | 1 | AL 750MCM AL 750MCM | CU #2 | 65 | 1 | AL 750MCM AL 750MCM | CU #2 | 103 133.9 | TR204-15-01 TR204-16-01 | 17 | 1090.7 | 17.29 17.29 | 293.93 293.93 | N/A | 1 | AL SOOMCM AL SOOMCM | 824 824 | 275.57 275.57 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 1 2 | 204-16 | LBD-204-16 LBD-204-17 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 CU #2 | 133.9 | TR204-16-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A N/A | 1 | AL SOUMEM | 824 824 | 275.57 | 0.1% | 0.2% | 1.8% | 0.50% | 2.5% |
| | 204-17 | LBD-204-17 | - 4/ | 293.93 | 400 | 1 | AL /SUMLM | CU #2 | 62 | 1 | AL /SUMUM | CU #2 | 135.65 | 1R204-17-01 | 1 1/ | 1090.7 | 17.29 | 253.93 | n/A | 1 1 | AL SUUMLM | 024 | 2/5.5/ | 0.1% | 0.2% | 1.8% | 0.50% | 2.0% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 20 |)5 | | | | | | | | | | | | |
|-------------------|-----------|--------------------------|-------------------|----------------------------------|---------------|------------------------|------------------------|-------------|-------------|------------------------|------------------------|---------------|-----------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|----------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | i | | | VOLTAGE DRO | OP 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 Imp) [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 | AL750MCM | 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% | 1.0% | 0.50% | 2.8% |
| 1 | 205-05 | LBD-205-05 LBD-205-06 | 18 | 190.19 311.22 | 250 | 1 | AL 350MCM AL 750MCM | CU #2 | 65 | 1 | AL 350MCM AL 750MCM | CU #2 | 566.5 180.25 | TR205-05-01 TR205-06-01 | 11 | 1090.7 | 17.29 17.29 | 190.19 311.22 | N/A N/A | 1 | AL #4/0 AL 500MCM | 520.15 834.3 | 178.31 291.78 | 0.1% | 1.1% | 1.7% | 0.50% | 3.4% |
| 1 | 205-00 | 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 SOOMCM | 824 | 275.57 | 0.1% | 0.3% | 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 | 133.5 | TR205-08-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL SOOMCM | 824 | 275.57 | 0.1% | 0.2% | 1.8% | 0.50% | 2.5% |
| 1 | 205-08 | LBD-205-08 | 15 | 253.53 | 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% | 1.0% | 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 | IRD-205-12 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CI1#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 | 417.15 | 162.1 | 0.1% | 0.0% | 1.2% | 0.50% | 1.9% |
| | 205-16 | LBD-205-16 | | 311.22 | 400 | | AL 750MCM | 011.00 | 65 | | 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% |
| | 205-16 | LBD-205-16 | 18 | 311.22 | 400 | 1 | AL /SUMLM | CU #2 | 65 | 1 | AL /SUMCM | CU #2 | 46.35 | 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% |
| | 205-17 | LBD-205-17 | 10 | 311.22 | 400 | | AL750MCM | CU #2 | 65 | , | AL 750MCM | CU #2 | 103 | TR205-17-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 417.15 | 145.89 | 0.0% | 0.1% | 1.1% | 0.50% | 1.7% |
| | 203-17 | LBD-203-17 | 10 | 311.22 | 400 | | | CO #2 | 65 | 1 | | CO #2 | 103 | 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 | 190.55 | 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 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 216.3 | TR205-20-01 | 14 | 1090.7 | 17.29 | 242.06 | N/A | 1 | AL 350MCM | 618 | 226.94 | 0.1% | 0.3% | 1.6% | 0.50% | 2.4% |
| 2 | 205-21 | LBD-205-21 | 16 | 276.64 | 400 | 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% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 20 | 06 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-------------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UND | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CIP | CUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | P TOTAL VOLTAGE DROP |
| 1 | 206-01 | LBD-206-01 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 205 | 1 | AL 750MCM | CU #2 | 103 | TR206-01-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.1% | 1.9% | 0.50% | 2.8% |
| 1 | 206-02 | LBD-206-02 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 205 | 1 | AL 750MCM | CU #2 | 77.25 | TR206-02-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.1% | 1.9% | 0.50% | 2.8% |
| 1 | 206-03 | LBD-206-03 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 205 | 1 | AL 750MCM | CU #2 | 46.35 | TR206-03-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.1% | 1.9% | 0.50% | 2.8% |
| 1 | 206-04 | LBD-206-04 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 205 | 1 | AL 750MCM | CU #2 | 20.6 | TR206-04-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.0% | 1.9% | 0.50% | 2.7% |
| 1 | 206-05 | LBD-206-05 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 75 | 1 | AL 750MCM | CU #2 | 103 | TR206-05-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.1% | 0.1% | 1.9% | 0.50% | 2.7% |
| 1 | 206-06 | LBD-206-06 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 75 | 1 | AL 750MCM | CU #2 | 77.25 | TR206-06-01 | 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 | 206-07 | LBD-206-07 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 75 | 1 | AL 350MCM | CU #2 | 46.35 | TR206-07-01 | 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 | 206-08 | LBD-206-08 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 75 | 1 | AL 350MCM | CU #2 | 20.6 | TR206-08-01 | 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% | 2.4% |
| 1 | 206-09 | LBD-206-09 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 70 | 1 | AL 350MCM | CU #2 | 77.25 | TR206-09-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 520.15 | 194.52 | 0.2% | 0.2% | 1.9% | 0.50% | 2.7% |
| 1 | 206-10 | LBD-206-10 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 70 | 1 | AL 350MCM | CU #2 | 77.25 | TR206-10-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1019.7 | 162.1 | 0.1% | 0.1% | 1.8% | 0.50% | 2.6% |
| 1 | 206-11 | LBD-206-11 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 70 | 1 | AL 350MCM | CU #2 | 46.35 | TR206-11-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 520.15 | 194.52 | 0.2% | 0.1% | 1.9% | 0.50% | 2.6% |
| 2 | 206-12 | LBD-206-12 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 70 | 1 | AL 350MCM | CU #2 | 46.35 | TR206-12-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1019.7 | 162.1 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 2 | 206-13 | LBD-206-13 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 70 | 1 | AL 350MCM | CU #2 | 20.6 | TR206-13-01 | 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% | 2.6% |
| 2 | 206-14 | LBD-206-14 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 70 | 1 | AL 350MCM | CU #2 | 20.6 | TR206-14-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 1019.7 | 162.1 | 0.1% | 0.0% | 1.8% | 0.50% | 2.5% |
| 2 | 206-15 | LBD-206-15 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 36.05 | TR206-15-01 | 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% | 1.9% |
| 2 | 206-16 | LBD-206-16 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 36.05 | TR206-16-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 350MCM | 1019.7 | 178.31 | 0.1% | 0.1% | 2.0% | 0.50% | 2.7% |
| 2 | 206-17 | LBD-206-17 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 20.6 | TR206-17-01 | 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 | 206-18 | LBD-206-18 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 20.6 | TR206-18-01 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL #4/0 | 921.85 | 145.89 | 0.1% | 0.0% | 2.5% | 0.50% | 3.1% |
| 2 | 206-19 | LBD-206-19 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 46.35 | TR206-19-01 | 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% |
| 2 | 206-20 | LBD-206-20 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 20.6 | TR206-20-01 | 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 | 206-21 | LBD-206-21 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR206-21-01 | 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 | 206-22 | LBD-206-22 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | TR206-22-01 | 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% |

SCHEDULES & CALCULATIONS PCS-204 THRU 206

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| DUREPOWER | DOT | | | DOT |

PWG SZE EPC 56" × 24" (Δ) VAN GUAR D PROÆET # (Δ) 11111 × 1111 ×

| | | | | | | | | | | | | | DC F | EEDER SCHED | III F - PCS 2 | 07 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | I | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | 501 | T TOTAL | OLL TOSE | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | I | | VOLTAGE DRO | IP 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 Imp) [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 | 159.65 | 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 | 133.9 | 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 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 159.65 | TR207-17-01 | 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% |
| - | 207-18 | LBD-207-18 | 18 | 311.22 | 400 | | AL 750MCM | CU #2 | 65 | | AL 750MCM | CU #2 | 190.55 | TR207-18-01 | 10 | 1090.7 | 17.29 | 172.9 | 250 | 1 | AL#4/0 | 417.15 | 162.1 | 0.1% | 0.2% | 1.2% | 0.50% | 2.0% |
| 2 | 207-18 | LBD-207-18 | 18 | 311.22 | 400 | 1 | AL /SUMUM | CU #2 | 65 | 1 | AL /SUMILM | CU #2 | 190.55 | TR207-18-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL#4/0 | 345.05 | 129.68 | 0.1% | 0.2% | 0.8% | 0.50% | 1.5% |
| | 207-19 | LBD-207-19 | 14 | 242.06 | 400 | | AL 750MCM | CU #2 | 65 | | AL 750MCM | CU #2 | 247.2 | TR207-19-01 | 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% |
| 2 | 207-19 | LBD-207-19 | 14 | 242.00 | 400 | 1 | AL / SUNICM | C0 #2 | 05 | 1 | AL / JUNICINI | CO #2 | 247.2 | TR207-19-02 | 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% |
| | 207-20 | LBD-207-20 | 14 | 242.06 | 400 | | AL 750MCM | CU #2 | 65 | | AL 750MCM | CU #2 | 298.7 | TR207-20-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 2 | 207-20 | 180-207-20 | 14 | 242.06 | 400 | 1 | AL /SUMUM | CU#2 | 105 | 1 | AL / SUMICM | CU #2 | 298.7 | TR207-20-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 345.05 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| | 207-21 | LBD-207-21 | 14 | 242.06 | 400 | , | AL 750MCM | CU #2 | er. | , | AL 750MCM | CU #2 | 355.35 | TR207-21-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 2 | 20/-21 | 180-20/-21 | 14 | 242.06 | 400 | 1 1 | AL /SUMUM | CU#2 | 95 | 1 | AL / SUMICM | CU#2 | 335.35 | TR207-21-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 345.05 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.5% |
| - | 207-22 | LBD-207-22 | 13 | 224.77 | 315 | | AL 750MCM | CU #2 | 65 | | AL 750MCM | | 412 | TR207-22-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 2 | 207-22 | 180-207-22 | 1.5 | 224.77 | 315 | 1 1 | AL /SUMUM | CU#2 | 45 | 1 | AL / SUMUM | 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 FI | EDER SCHEE | ULE - PCS 20 | 08 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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 | 259.36 | 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 | 259.36 | 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% | 2.2% |
| 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% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 2 | 09 | | | | | | | | | | | | |
|-------------------|-----------|-------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUT | PUT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | 3 | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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 | 209-01 | LBD-209-01 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 150 | 1 | AL 750MCM | CU #2 | 72.1 | TR209-01-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.2% | 0.1% | 1.9% | 0.50% | 2.7% |
| 1 | 209-02 | LBD-209-02 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 150 | 1 | AL 750MCM | CU #2 | 46.35 | TR209-02-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.2% | 0.1% | 1.9% | 0.50% | 2.7% |
| 1 | 209-03 | LBD-209-03 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 150 | 1 | AL 750MCM | CU #2 | 20.6 | TR209-03-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.2% | 0.0% | 1.9% | 0.50% | 2.6% |
| 1 | 209-04 | LBD-209-04 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 225 | 1 | AL 750MCM | CU #2 | 56.65 | TR209-04-01 | 14 | 1090.7 | 17.29 | 242.06 | N/A | 1 | AL 350MCM | 623.15 | 226.94 | 0.3% | 0.1% | 1.6% | 0.50% | 2.4% |
| 1 | 209-05 | LBD-209-05 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 225 | 1 | AL 750MCM | CU #2 | 25.75 | TR209-05-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.0% | 1.9% | 0.50% | 2.8% |
| 1 | 209-06 | LBD-209-06 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 225 | 1 | AL 750MCM | CU #2 | 25.75 | TR209-06-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.0% | 1.9% | 0.50% | 2.8% |
| 1 | 209-07 | LBD-209-07 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 225 | 1 | AL 750MCM | CU #2 | 56.65 | TR209-07-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.1% | 1.9% | 0.50% | 2.8% |
| 1 | 209-08 | LBD-209-08 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 225 | 1 | AL 750MCM | CU #2 | 82.4 | TR209-08-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.3% | 0.1% | 1.9% | 0.50% | 2.8% |
| 1 | 209-09 | LBD-209-09 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 225 | 1 | AL 750MCM | CU #2 | 113.3 | TR209-09-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL 500MCM | 824 | 275.57 | 0.3% | 0.2% | 1.8% | 0.50% | 2.7% |
| 2 | 209-10 | LBD-209-10 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 298.7 | TR209-10-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 432.6 | 162.1 | 0.4% | 0.5% | 1.3% | 0.50% | 2.7% |
| 2 | 209-11 | LBD-209-11 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 298.7 | TR209-11-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL 350MCM | 937.3 | 162.1 | 0.4% | 0.5% | 1.7% | 0.50% | 3.1% |
| 2 | 209-12 | LBD-209-12 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 345.05 | TR209-12-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 417.15 | 162.1 | 0.4% | 0.6% | 1.2% | 0.50% | 2.8% |
| 2 | 209-13 | LBD-209-13 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 345.05 | TR209-13-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 500MCM | 1024.85 | 178.31 | 0.4% | 0.7% | 1.4% | 0.50% | 3.0% |
| 2 | 209-14 | LBD-209-14 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 375.95 | TR209-14-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL 350MCM | 520.15 | 194.52 | 0.5% | 0.8% | 1.1% | 0.50% | 2.9% |
| 2 | 209-15 | LBD-209-15 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 375.95 | TR209-15-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 500MCM | 1122.7 | 178.31 | 0.4% | 0.7% | 1.6% | 0.50% | 3.2% |
| 2 | 209-16 | LBD-209-16 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 401.7 | TR209-16-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL 350MCM | 520.15 | 194.52 | 0.5% | 0.9% | 1.1% | 0.50% | 3.0% |
| 2 | 209-17 | LBD-209-17 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 401.7 | TR209-17-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 500MCM | 1122.7 | 178.31 | 0.4% | 0.8% | 1.6% | 0.50% | 3.3% |
| 2 | 209-18 | LBD-209-18 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 432.6 | TR209-18-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL 350MCM | 520.15 | 194.52 | 0.5% | 0.9% | 1.1% | 0.50% | 3.0% |
| 2 | 209-19 | LBD-209-19 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 432.6 | TR209-19-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL 500MCM | 1122.7 | 178.31 | 0.4% | 0.9% | 1.6% | 0.50% | 3.4% |
| 2 | 209-20 | LBD-209-20 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 225 | 1 | AL 350MCM | CU #2 | 458.35 | TR209-20-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.4% | 0.8% | 1.2% | 0.50% | 3.0% |

PURETOWER

DITTORNEY AND STATEMENT OF THE DESCRIPTION OF THE DESCRIPTI

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| INVERTER | R ID LE | OVERALL OUTPL | QTY OF STRINGS | FEEDER MAXIMUM | | | FEEDER UND | DERGROUND | | | | | | | | | | | | | | | | | | | | |
|--------------------|---------|--------------------------|-------------------|-------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| 1 210-0 1 210-0 | | LBD NUMBER | | | | | | | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | 5 | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P CALCS | | |
| 1 210-0 | 01 L | | | 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| 1 210-0 | 01 L | | | | | | | | | | | | | TR210-01-01 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL #4/0 | 175.1 | 64.84 | 0.0% | 0.4% | 0.2% | 0.50% | 1.1% |
| | | LBD-210-01 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 551.05 | TR210-01-02 | 4 | 1090.7 | 17.29 | 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 | 17.29 | 86.45 | 110 | 1 | AL #4/0 | 118.45 | 81.05 | 0.0% | 0.4% | 0.2% | 0.50% | 1.1% |
| | 02 1 | LBD-210-02 | 14 | 242.06 | 400 | 1 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 484.1 | TR210-02-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 350.2 | 113.47 | 0.0% | 0.6% | 0.7% | 0.50% | 1.9% |
| | - | | | | | | | ***** | | - | | | 10.112 | TR210-02-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.0% | 0.6% | 0.7% | 0.50% | 1.8% |
| 1 210-0 | 03 L | 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 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 355.35 | 113.47 | 0.0% | 0.5% | 0.7% | 0.50% | 1.8% |
| | - | | | | | | | | | | | | | TR210-03-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.5% | 0.7% | 0.50% | 1.7% |
| 1 210-0 | 04 L | LBD-210-04 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 339.9 | TR210-04-01 | 7 | 1090.7 | 17.29 | 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 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.0% | 0.4% | 0.7% | 0.50% | 1.6% |
| 1 210-0 | 05 L | 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 | 17.29 | 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 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.3% | 0.7% | 0.50% | 1.5% |
| 1 210-0 | 06 L | LBD-210-06 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 211.15 | TR210-06-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 355.35 | 113.47 | 0.0% | 0.3% | 0.7% | 0.50% | 1.5% |
| | | | | | | | | | | | | | | TR210-06-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.3% | 0.7% | 0.50% | 1.5% |
| 1 210-0 | 07 L | LBD-210-07 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 149.35 | TR210-07-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 355.35 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.5% |
| | _ | | | | | | | | | | | | | TR210-07-02 TR210-08-01 | 7 | 1090.7 | 17.29 | 121.03 121.03 | 175 | 1 | AL #4/0 AL #4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | |
| 1 210-0 | 08 L | LBD-210-08 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 82.4 | | 7 | | 17.29 | | 175 | 1 | | 355.35 | 113.47 | | 0.1% | 0.7% | 0.50% | 1.4% |
| | _ | | | | | | | | | | | | | TR210-08-02 | 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% |
| 1 210-0 | 09 L | LBD-210-09 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 20.6 | TR210-09-01 TR210-09-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 AL #4/0 | 355.35 319.3 | 113.47 113.47 | 0.0% | 0.0% | 0.7% | 0.50% | 1.5% |
| | | | | | | | | | | | | | | TR210-09-02 | 6 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 AL #4/0 | 216.3 | 97.26 | 0.0% | 0.0% | 0.4% | 0.50% | 1.0% |
| 1 210-1 | 10 L | LBD-210-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 50 | 1 | AL#4/0 | CU #2 | 15.45 | TR210-10-01 | 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% |
| | - | | | | | | | | | | | | | TR210-10-02 | 8 | 1090.7 | 17.29 | 103.74 | 175 | 1 | AL #4/0 | 319.3 | 129.68 | 0.1% | 0.0% | 0.8% | 0.50% | 1.4% |
| 2 210-1 | 11 L | LBD-210-11 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 100 | 1 | AL 350MCM | CU #2 | 20.6 | TR210-11-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 355.35 | 129.68 | 0.1% | 0.0% | 0.8% | 0.50% | 1.4% |
| | _ | | | | | | | | | | | | | TR210-12-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 319.3 | 129.68 | 0.1% | 0.1% | 0.8% | 0.50% | 1.4% |
| 2 210-1 | 12 L | LBD-210-12 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 100 | 1 | AL 350MCM | CU #2 | 82.4 | TR210-12-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL#4/0 | 355.35 | 129.68 | 0.1% | 0.1% | 0.8% | 0.50% | 1.5% |
| | - | | | | | | | | | | | | | TR210-13-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 422.3 | 145.89 | 0.1% | 0.2% | 1.1% | 0.50% | 1.9% |
| 2 210-1 | 13 L | LBD-210-13 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 100 | 1 | AL 500MCM | CU #2 | 149.35 | TR210-13-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 453.2 | 145.89 | 0.1% | 0.2% | 1.2% | 0.50% | 2.0% |
| 2 210-1 | 14 1 | LBD-210-14 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 100 | 1 | AL #4/0 | CU #2 | 211.15 | TR210-14-01 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL #4/0 | 422.3 | 145.89 | 0.2% | 0.6% | 1.1% | 0.50% | 2.4% |
| 2 210-1 | | LBD-210-15 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 100 | 1 | AL#4/0 | CU #2 | 242.05 | TR210-15-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 422.3 | 162.1 | 0.2% | 0.7% | 1.3% | 0.50% | 2.7% |
| 2 210-1 | _ | LBD-210-16 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 100 | 1 | AL#4/0 | CU #2 | 272.95 | TR210-16-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 422.3 | 162.1 | 0.2% | 0.8% | 1.3% | 0.50% | 2.7% |
| 2 210-1 | | LBD-210-16 LBD-210-17 | 10 | 172.9 | 250 | i i | AL 350MCM | CU #2 | 100 | 1 | AL#4/0 | CU #2 | 309 | TR210-17-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 422.3 | 162.1 | 0.2% | 0.9% | 1.3% | 0.50% | 2.7% |
| 2 210-1 | | LBD-210-17 | 10 | 172.9 | 250 | 1 1 | AL 350MCM | CU #2 | 100 | 1 | AL#4/0 | CU #2 | 339.9 | TR210-18-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 422.3 | 162.1 | 0.2% | 1.0% | 1.3% | 0.50% | 2.9% |
| | | | | | | <u> </u> | | | | | | | | TR210-19-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 422.3 | 145.89 | 0.1% | 0.4% | 1.1% | 0.50% | 2.1% |
| 2 210-1 | 19 L | LBD-210-19 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 100 | 1 | AL 500MCM | CU #2 | 370.8 | TR210-19-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 453.2 | 145.89 | 0.1% | 0.4% | 1.2% | 0.50% | 2.2% |
| | - | | | | | | | | | | | | | TR210-20-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 422.3 | 145.89 | 0.1% | 0.7% | 1.1% | 0.50% | 2.4% |
| 2 210-2 | 20 L | LBD-210-20 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 100 | 1 | AL 350MCM | CU #2 | 432.6 | TR210-20-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 242.05 | 97.26 | 0.1% | 0.7% | 0.4% | 0.50% | 1.7% |

| | | OVERALL OUTF | PUT CIRCUIT PARAN | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP CALCS | | |
|------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-----------|-------------|------------------------|-------------------|---------------|-------------|----------------------------|---|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|------------------|--|--|--|------------------------------------|---|------|
| VVERTER INPUT | FEEDER II | | QTY OF STRINGS | FEEDER MAXIMUM CURRENT [A] | OCPD SIZE [A] | CONDUCTORS PER POLE | CONDUCTOR SIZE | | LENGTH [FT] | CONDUCTORS PER POLE | CONDUCTOR SIZE | GROUND SIZE | LENGTH [FT] | TRUNK NUMBER | | 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 211-01 | LBD-211-01 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 500MCM | CU #2 | 618 | 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% |
| | | | 18 | | 400 | | | | 55 | | | CU #2 | | 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 TR211-02-03 | 6 | 1090.7 1090.7 | 17.29 | 103.74 103.74 | 150 150 | 1 | AL #4/0 AL #4/0 | 252.35 | 97.26 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 AL #4/0 | 221.45 283.25 | 97.26 | 0.0% | 0.4% | 0.4% | 0.50% | 1.4% |
| | 211-03 | LBD-211-03 | 18 | 311.22 | 400 | | AL 750MCM | CU #2 | 55 | | AL SOOMCM | CU #2 | 427.45 | 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% |
| 1 | 211'03 | 180-211-03 | 10 | 311.22 | 400 | 1 | AL / SUMCM | CO #2 | 33 | | AL SOUNICM | CU #2 | 427.43 | TR211-03-02 | 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% |
| | - | + | | | | | | | | | | | | TR211-03-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 288.4 | 97.26 | 0.0% | 0.4% | 0.5% | 0.50% | 1.4% |
| 1 | 211-04 | LBD-211-04 | 15 | 259.35 | 400 | , | AL 750MCM | CU #2 | 55 | ٠, | AL 350MCM | CU #2 | 329.6 | 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% |
| • | 222-04 | 100-211-04 | 1 1 | 233.33 | 400 | - | AL / JUNICIN | CO #2 | 33 | 1 | AL SSOINCIN | CO #12 | 325.0 | 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% |
| 1 | 211-05 | LBD-211-05 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 55 | 1 | AL 350MCM | CU #2 | 175.1 | TR211-05-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 164.8 | 97.26 | 0.0% | 0.2% | 0.3% | 0.50% | 1.0% |
| | | | | | | | | | | | | | | TR211-06-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 236.9 | 113.47 | 0.0% | 0.0% | 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 | 92.7 | 81.05 | 0.1% | 0.0% | 0.1% | 0.50% | 0.8% |
| 1 | 211-07 | LBD-211-07 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 340 | 1 | AL 500MCM | CU #2 | 20.6 | TR211-07-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 113.3 | 97.26 | 0.1% | 0.0% | 0.2% | 0.50% | 0.9% |
| | | | | | | | | | | | | | | TR211-07-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 206 | 97.26 | 0.1% | 0.0% | 0.4% | 0.50% | 1.0% |
| | | | | | | | | | | | | | | 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% |
| 1 | 211-08 | LBD-211-08 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 340 | 1 | AL SOOMCM | CU #2 | 267.8 | 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% | 0.2% | 0.3% | 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% | 0.2% | 0.4% | 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% |
| | | | 15 | 252.25 | | | | | | | | CU #2 | | TR211-10-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 97.85 | 145.89 | 0.1% | 0.0% | 0.3% | 0.50% | 0.9% |
| 2 | 211-10 | LBD-211-10 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 130 | 1 | AL 350MCM | CU #2 | 20.6 | TR211-10-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 190.55 | 97.26 | 0.1% | 0.2% | 0.3% | 0.50% | 1.2% |
| | | | | | | | | | | | | | | 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% |
| 2 | 211-11 | LBD-211-11 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 130 | 1 | AL 350MCM | CU #2 | 231.75 | TR211-11-02 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL #4/0 | 216.3 | 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 | 360.5 | 81.05 | 0.1% | 0.3% | 0.5% | 0.50% | 1.4% |
| | | | | | | | | | | | | | | 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% |
| 2 | 211-13 | LBD-211-13 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 130 | 1 | AL 500MCM | CU #2 | 545.9 | TR211-13-02 | 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% |
| | | | | | | | | | | | | | | TR211-13-03 | 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% |
| | | | 1 | | | | | I | | | 1 | | | 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% |
| 2 | 211-14 | LBD-211-14 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 130 | 1 | AL 500MCM | CU #2 | 674.65 | 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 | 314.15 | 97.26 | 0.1% | 0.4% | 0.6% | 0.50% | 1.5% |
| | | | 1 | | | | | I | | | 1 | | | 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% |
| 2 | 211-15 | LBD-211-15 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 130 | 1 | AL 500MCM | CU #2 | 808.55 | TR211-15-02 | 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% |
| 2 | 211-16 | LBD-211-16 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 130 | 1 | AL 350MCM | CU #2 | 911.55 | TR211-16-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 216.3 | 97.26 | 0.1% | 1.0% | 0.4% | 0.50% | 1.9% |
| | 1 | 1 | 1 1 | | 1 | 1 - | 1 | 1 | 1 | | | | | 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% |

ORAMNO TITLE
SCHEDULES & CALCULATIONS
PCS-210 THRU 211

| DUREPOWER | DOT | | DUREPOWER | DOT | DO

PHOSE SZE FPC

36" x 24"

PROJECT #

06271

WINNESSE FPC

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| INVERTER FEEDER INPUT 1 301-0 1 301-0 | ID LBD NUMBER | QTY OF STRINGS | FEEDER MAXIMUM | T | | FEEDER UND | DEDCEOUND | | | | | | | | | | | | | | | | | | | | |
|--|---------------|-------------------|-------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| 1 301-0 1 301-0 | | QTY OF STRINGS | | | | | | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P CALCS | | |
| 1 301-0 | LBD-301-01 | | 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | 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 | AL 500MCM | 824 | 291.78 | 0.6% | 0.2% | 1.9% | 0.50% | 3.1% |
| | 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 | AL 500MCM | 824 | 291.78 | 0.6% | 0.1% | 1.9% | 0.50% | 3.0% |
| 1 301-0 | 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 | AL 500MCM | 824 | 291.78 | 0.6% | 0.1% | 1.9% | 0.50% | 3.0% |
| 1 301-0 | | 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 | AL 500MCM | 824 | 291.78 | 0.6% | 0.0% | 1.9% | 0.50% | 3.0% |
| 1 301-0 | | 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 | AL#4/0 | 520.15 | 194.52 | 0.2% | 0.0% | 1.9% | 0.50% | 2.5% |
| 1 301-0 | 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 | AL 350MCM | 1122.7 | 178.31 | 0.1% | 0.0% | 2.2% | 0.50% | 2.9% |
| 1 301-0 | 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 | AL #4/0 | 417.15 | 162.1 | 0.2% | 0.0% | 1.2% | 0.50% | 2.0% |
| 1 301-0 | | 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 | AL 350MCM | 1024.85 | 194.52 | 0.2% | 0.0% | 2.2% | 0.50% | 3.0% |
| 1 301-0 | | 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 | AL#4/0 | 417.15 | 162.1 | 0.2% | 0.1% | 1.2% | 0.50% | 2.0% |
| 1 301-1 | 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 | AL 350MCM | 1024.85 | 194.52 | 0.2% | 0.1% | 2.2% | 0.50% | 3.0% |
| | | | | | | | | | | | | | TR301-11-01 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL #4/0 | 180.25 | 64.84 | 0.2% | 0.0% | 0.2% | 0.50% | 0.9% |
| 1 301-1 | LBD-301-11 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 610 | 1 | AL 750MCM | CU #2 | 20.6 | TR301-11-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.2% | 0.0% | 0.7% | 0.50% | 1.4% |
| | | | | | | | | | | | | | TR301-11-03 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 345.05 | 113.47 | 0.2% | 0.0% | 0.7% | 0.50% | 1.4% |
| 1 301-1 | | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 610 | 1 | AL 350MCM | CU #2 | 77.25 | TR301-12-01 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL #4/0 | 417.15 | 145.89 | 1.0% | 0.1% | 1.1% | 0.50% | 2.7% |
| 2 301-1 | | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 610 | 1 | AL 350MCM | CU #2 | 108.15 | TR301-13-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 417.15 | 162.1 | 1.1% | 0.2% | 1.2% | 0.50% | 3.0% |
| 2 301-1 | | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 610 | 1 | AL 350MCM | CU #2 | 133.9 | TR301-14-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 417.15 | 162.1 | 1.1% | 0.2% | 1.2% | 0.50% | 3.1% |
| 2 301-1 | | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 610 | 1 | AL 750MCM | CU #2 | 164.8 | TR301-15-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 350MCM | 618 | 210.73 | 0.7% | 0.2% | 1.4% | 0.50% | 2.8% |
| 2 301-1 | | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 610 | 1 | AL 750MCM | CU #2 | 190.55 | TR301-16-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 350MCM | 618 | 210.73 | 0.7% | 0.2% | 1.4% | 0.50% | 2.8% |
| 2 301-1 | LBD-301-17 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 610 | 1 | AL 750MCM | CU #2 | 216.3 | TR301-17-01 | 14 | 1090.7 | 17.29 | 242.06 | N/A | 1 | AL 350MCM | 618 | 226.94 | 0.7% | 0.3% | 1.6% | 0.50% | 3.0% |
| 2 301-1 | | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 610 | 1 | AL 750MCM | CU #2 | 247.2 | TR301-18-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 500MCM | 721 | 243.15 | 0.8% | 0.3% | 1.4% | 0.50% | 2.9% |
| 2 301-1 | | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 610 | 1 | AL 750MCM | CU #2 | 272.95 | TR301-19-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 500MCM | 721 | 243.15 | 0.8% | 0.3% | 1.4% | 0.50% | 3.0% |
| 2 301-2 | LBD-301-20 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 610 | 1 | AL 350MCM | CU #2 | 602.55 | TR301-20-01 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL 350MCM | 422.3 | 145.89 | 1.0% | 1.0% | 0.7% | 0.50% | 3.1% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 30 |)2 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAM | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | 5 | | | TRUNK ON RACKING | 3 | | | VOLTAGE DRO | P 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 Imp) [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 | 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 | AL 350MCM | 1024.85 | 194.52 | 0.3% | 0.2% | 2.2% | 0.50% | 3.2% |
| 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 | AL #4/0 | 417.15 | 162.1 | 0.3% | 0.1% | 1.2% | 0.50% | 2.1% |
| 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 | AL #4/0 | 921.85 | 145.89 | 0.2% | 0.1% | 2.5% | 0.50% | 3.3% |
| 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 | AL #4/0 | 417.15 | 162.1 | 0.3% | 0.1% | 1.2% | 0.50% | 2.1% |
| 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 | AL #4/0 | 921.85 | 145.89 | 0.2% | 0.0% | 2.5% | 0.50% | 3.2% |
| 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 | AL #4/0 | 417.15 | 162.1 | 0.3% | 0.0% | 1.2% | 0.50% | 2.0% |
| 1 | 302-07 | LBD-302-07 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 145 | 1 | AL 750MCM | CU #2 | 30.9 | TR302-07-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.2% | 0.0% | 1.9% | 0.50% | 2.6% |
| 1 | 302-08 | LBD-302-08 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 145 | 1 | AL 750MCM | CU #2 | 56.65 | TR302-08-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL 500MCM | 824 | 275.57 | 0.2% | 0.1% | 1.8% | 0.50% | 2.6% |
| 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 | AL 350MCM | 721 | 243.15 | 0.2% | 0.1% | 1.9% | 0.50% | 2.7% |
| 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 | AL #4/0 | 520.15 | 194.52 | 0.3% | 0.2% | 1.9% | 0.50% | 2.9% |
| 1 | 302-11 | LBD-302-11 | 14 | 242.06 | 400 | ١, | AL 750MCM | CU #2 | 145 | , | AL750MCM | CU#2 | 144.2 | TR302-11-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.1% | 0.1% | 0.7% | 0.50% | 1.3% |
| - | 302-11 | 100-301-11 | 14 | 141.00 | 400 | | AL / JUNICHI | CO #2 | 145 | - | AL / JOINTON | 00#2 | 144.1 | TR302-11-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 345.05 | 113.47 | 0.1% | 0.1% | 0.7% | 0.50% | 1.4% |
| 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 | 1 | AL #4/0 | 216.3 | 97.26 | 0.1% | 0.1% | 0.4% | 0.50% | 1.1% |
| _ | | | | | | - | | | - | - | | | | TR302-12-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 180.25 | 113.47 | 0.1% | 0.1% | 0.4% | 0.50% | 1.0% |
| 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 | 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 | 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 | 1 | AL #4/0 | 921.85 | 145.89 | 0.1% | 0.1% | 2.5% | 0.50% | 3.2% |
| 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 | 1 | AL #4/0 | 422.3 | 162.1 | 0.1% | 0.1% | 1.3% | 0.50% | 2.0% |
| 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 | 1 | AL #4/0 | 921.85 | 145.89 | 0.1% | 0.1% | 2.5% | 0.50% | 3.1% |
| 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 | 1 | AL #4/0 | 422.3 | 162.1 | 0.1% | 0.0% | 1.3% | 0.50% | 1.9% |
| 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 | 1 | AL #4/0 | 921.85 | 145.89 | 0.1% | 0.0% | 2.5% | 0.50% | 3.1% |
| 2 | 302-19 | LBD-302-19 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 36.05 | TR302-19-01 | 18 | 1090.7 | 17.29 | 311.22 | N/A | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.1% | 1.9% | 0.50% | 2.5% |
| 2 | 302-20 | LBD-302-20 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 20.6 | TR302-20-01 | 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 | 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 | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.1% | 1.9% | 0.50% | 2.5% |
| 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 | 1 | AL 500MCM | 824 | 291.78 | 0.1% | 0.0% | 1.9% | 0.50% | 2.5% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 30 | 03 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|--|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAM | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [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 | 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% | 0.2% | 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 350MCM | 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 350MCM | 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 350MCM | 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 350MCM | 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 350MCM | 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 | 0.1% | 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 350MCM | CU #2 | 50 | 1 | AL 350MCM | 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 350MCM | CU #2 | 50 | 1 | AL 350MCM | CU #2 | 66.95 | 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 350MCM | CU #2 | 50 | 1 | AL 350MCM | 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 350MCM | CU #2 | 50 | 1 | AL 350MCM | 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% | 0.3% | 1.7% | 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 | 520.15 | 145.89 | 0.0% | 0.2% | 1.4% | 0.50% | 2.1% |
| _ | 000 10 | | | ****** | | - | | | | - | | | | TR303-16-02 | 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 | ١, | AL 750MCM | CU #2 | 50 | , | 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% |
| | 303-17 | 100-303-17 | 10 | 270.04 | 400 | * | AL / JUNICHI | CO #2 | 30 | - | AL 730IIICIN | CO W2 | 303 | TR303-17-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 442.9 | 113.47 | 0.0% | 0.2% | 0.9% | 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% | 1.3% |
| 2 | 303-18 | LBD-303-18 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 427.45 | 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 1 | AL 350MCM | CU #2 | 50 | , | AL 350MCM | CU #2 | 602.55 | TR303-19-01 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL #4/0 | 231.75 | 81.05 | 0.0% | 0.5% | 0.3% | 0.50% | 1.4% |
| | 555 15 | 303-13 | | 223.01 | | | | | 30 | _ | - II | | 1 | TR303-19-02 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL#4/0 | 190.55 | 64.84 | 0.0% | 0.2% | 0.2% | 0.50% | 1.0% |

1795. WW SOLAR GROUND MOUNT SYSTEM AT DIS SYSTEM SIZE: 178,584.50 WW FARE TO SYSTEM AT DIS SYSTEM SIZE: 178,584.50 WW FARE TO SYSTEM STATES AND SYSTEM STATES AND SYSTEM STATES AND SYSTEM STATES AND SYSTEM SYSTEM SYSTEM STATES AND SYSTEM SYS

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 30 |)4 | | | | | | | | | | | | |
|--------|--------------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P CALCS | | |
| INVERT | ER 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | 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% | 0.2% | 1.9% | 0.50% | 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% | 0.2% | 1.9% | 0.50% | 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% | 0.2% | 1.9% | 0.50% | 2.6% |
| 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% | 0.1% | 1.9% | 0.50% | 2.6% |
| 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% | 0.1% | 1.9% | 0.50% | 2.5% |
| 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% | 0.0% | 1.9% | 0.50% | 2.5% |
| 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% | 0.1% | 1.8% | 0.50% | 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% | 0.0% | 1.8% | 0.50% | 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% | 0.1% | 1.8% | 0.50% | 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% | 0.0% | 1.9% | 0.50% | 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% | 0.1% | 1.9% | 0.50% | 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% | 0.1% | 1.9% | 0.50% | 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% | 0.2% | 1.9% | 0.50% | 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% | 0.2% | 1.9% | 0.50% | 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% | 0.2% | 1.9% | 0.50% | 2.7% |

| | | | | | | | | | | | | | | SEREN COLLER | | | | | | | | | | | | | | |
|-------------------|-----------|----------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------|-------------|------------------------|-------------------|-------------|-------------|--------------|----|------------------------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | 01150411 01150 | | | | | | | | | | | DC FI | EDER SCHED | | | | | | | ******* | | | | VOLTAGE DRO | | | |
| INVERTER INPUT | FEEDER ID | LBD NUMBER | QTY OF STRINGS | FEEDER MAXIMUM CURRENT [A] | OCPD SIZE [A] | CONDUCTORS PER POLE | CONDUCTOR SIZE | | LENGTH [FT] | CONDUCTORS PER POLE | CONDUCTOR SIZE | GROUND SIZE | LENGTH [FT] | TRUNK NUMBER | | OPERATING VOLTAGE Vmp [V] | STRING MAXIMUM | FEEDER MAXIMUM CURRENT [A] | OCPD 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 - TRUNK | SEGMENT VOLTAGE DROP (STRING 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 #4/0 | 103 | 113.47 | 0.0% | 0.3% | 0.2% | 0.50% | 1.1% |
| | | | | | | | | | | | | | | TR305-01-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 118.45 | 113.47 | 0.0% | 0.3% | 0.2% | 0.50% | 1.1% |
| | | | | | | | | | | | | | | TR305-02-01 | 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% |
| 1 | 305-02 | LBD-305-02 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 499.55 | TR305-02-02 | 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% |
| | | | | | | | | | | | | | | TR305-02-03 | 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% |
| | | | | | | | | | | | | | | TR305-03-01 | 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% |
| 1 | 305-03 | LBD-305-03 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 412 | TR305-03-02 | 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% |
| | | | | | | | | | | | | | | TR305-03-03 | 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% |
| | | | | | | | | | | | | | | TR305-04-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 272.95 | 97.26 | 0.0% | 0.2% | 0.5% | 0.50% | 1.2% |
| 1 | 305-04 | LBD-305-04 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 329.6 | TR305-04-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 247.2 | 97.26 | 0.0% | 0.2% | 0.4% | 0.50% | 1.1% |
| | | | | | | | | | | | | | | TR305-04-03 | 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% |
| | | | | | | | | | | | | | | TR305-05-01 | 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% |
| 1 | 305-05 | LBD-305-05 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 242.05 | TR305-05-02 | 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% |
| | | | | | | | | | | | | | | TR305-05-03 | 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% |
| | | | | | | | | | | | | | | TR305-06-01 | 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% |
| 1 | 305-06 | LBD-305-06 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | TR305-06-02 | 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% |
| | | | | | | | | | | | | | | TR305-06-03 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL #4/0 | 216.3 | 81.05 | 0.0% | 0.1% | 0.3% | 0.50% | 0.9% |
| | | | | | | | | | | | | | | TR305-07-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 272.95 | 97.26 | 0.0% | 0.0% | 0.5% | 0.50% | 1.1% |
| 1 | 305-07 | LBD-305-07 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 77.25 | TR305-07-02 | 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% |
| | | | | | | | | | | | | | | TR305-07-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 216.3 | 97.26 | 0.0% | 0.0% | 0.4% | 0.50% | 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 | TR305-08-01 | 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% |
| | | | | | | | | | | | | | | TR305-08-02 | 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% |
| 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 #4/0 | 319.3 | 113.47 | 0.0% | 0.0% | 0.7% | 0.50% | 1.2% |
| | | | | | | | | | | | | | | TR305-09-02 | 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 | 305-10 | LBD-305-10 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 50 | 1 | AL 750MCM | CU #2 | 46.35 | TR305-10-01 | 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% |
| | | | | | - | | | | | | | | | TR305-10-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 489.25 | 145.89 | 0.0% | 0.0% | 1.3% | 0.50% | 1.9% |
| 2 | 305-11 | LBD-305-11 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 1 | AL 750MCM | CU #2 | 51.5 | TR305-11-01 | 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% |
| | | | | | | | | | | | | | | TR305-11-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 442.9 | 145.89 | 0.0% | 0.0% | 1.2% | 0.50% | 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 #4/0 | 520.15 | 178.31 | 0.1% | 0.2% | 1.7% | 0.50% | 2.5% |
| 2 | 305-13 | LBD-305-13 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 133.9 | TR305-13-01 | 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% | 2.8% |
| 2 | 305-14 | LBD-305-14 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 164.8 | 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% | 0.50% | 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% | 0.50% | 2.4% |
| 2 | 305-16 | LBD-305-16 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 216.3 | TR305-16-01 | 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% |
| 2 | 305-17 | LBD-305-17 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 247.2 | TR305-17-01 | 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% |
| 2 | 305-18 | LBD-305-18 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 272.95 | TR305-18-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.4% | 2.1% | 0.50% | 3.0% |

| | | | | | | | | | | | | | DC FI | EDER SCHEE | ULE - PCS 3 | 06 | | | | | | | | | | | | |
|-------------------|-----------|--------------------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|----------------------|------------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | IDERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CIE | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [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 | 306-01 | LBD-306-01 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 442.9 | TR306-01-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 72.1 | 97.26 | 0.1% | 0.5% | 0.1% | 0.50% | 1.2% |
| - | | | | | | | | | | - | | | | TR306-01-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 216.3 | 97.26 | 0.1% | 0.5% | 0.4% | 0.50% | 1.4% |
| 1 | 306-02 | LBD-306-02 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 1 | AL 350MCM | CU #2 | 386.25 | TR306-02-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 247.2 | 97.26 | 0.1% | 0.4% | 0.4% | 0.50% | 1.4% |
| | | | | | | | | | - | | | | | TR306-02-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 216.3 | 97.26 | 0.1% | 0.4% | 0.4% | 0.50% | 1.4% |
| 1 | 306-03 | LBD-306-03 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 1 | AL 750MCM | CU #2 | 329.6 | TR306-03-01 | 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% |
| | | | | | | | | | | | | | | TR306-03-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 1 | 306-04 | LBD-306-04 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 272.95 | TR306-04-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 345.05 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| | | | | | | | | | | | | | | TR306-04-02 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 319.3 | 113.47 | 0.0% | 0.2% | 0.7% | 0.50% | 1.4% |
| 1 | 306-05 | LBD-306-05 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 1 | AL 750MCM | CU #2 | 216.3 | TR306-05-01 | 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% |
| | | | | | | | | | | | | | | TR306-05-02 | 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% |
| | | | | | | | | | | | | | | TR306-06-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 154.5 | 97.26 | 0.0% | 0.0% | 0.3% | 0.50% | 0.8% |
| 1 | 306-06 | LBD-306-06 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR306-06-02 | - 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% |
| | | | | | | | | | | | | | | TR306-06-03 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 46.35 | 97.26 | 0.0% | 0.0% | 0.1% | 0.50% | 0.6% |
| | 306-07 | LBD-306-07 | 18 | | | | | | 40 | l . | | | 242.05 | TR306-07-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 267.8 | 97.26 | 0.0% | 0.1% | 0.5% | 0.50% | 1.1% |
| 1 | 306-07 | LBD-306-07 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 242.05 | TR306-07-02 TR306-07-03 | ь | 1090.7 1090.7 | 17.29 17.29 | 103.74 | 150 150 | 1 | AL #4/0 AL #4/0 | 180.25 231.75 | 97.26 97.26 | 0.0% | 0.1% | 0.3% | 0.50% | 1.0% |
| | | | | | | | | | | | | | | TR306-07-03 | В 3 | 1090.7 | 17.29 | 103.74 51.87 | 70 | 1 | AL #4/0 | 46.35 | 48.63 | 0.0% | 0.1% | 0.4% | 0.50% | 0.7% |
| 1 | 306-08 | LBD-306-08 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 195.7 | TR306-08-02 | 3 | 1090.7 | 17.29 | 138.32 | 175 | | AL#4/0 | 334.75 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.4% |
| , | 306-09 | LBD-306-09 | 12 | 207.48 | 315 | | AL 350MCM | CU #2 | 40 | , | AL 350MCM | CU #2 | 36.05 | TR306-08-02 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL#4/0 | 520.15 | 129.68 | 0.0% | 0.1% | 1.9% | 0.50% | 2.5% |
| 1 | 306-09 | LBD-306-09 LBD-306-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 15.45 | TR306-09-01 | 13 | 1090.7 | 17.29 | 207.48 | N/A N/A | 1 | AL #4/U AL 350MCM | 618 | 210.73 | 0.1% | 0.1% | 1.9% | 0.50% | 2.5% |
| 2 | 306-10 | LBD-306-11 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 40 | 1 1 | AL 750MCM | CU #2 | 46.35 | TR306-10-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 350MCM | 618 | 210.73 | 0.0% | 0.1% | 1.4% | 0.50% | 2.0% |
| 2 | 306-12 | IBD-306-12 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 20.6 | TR306-12-01 | 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 | 306-12 | LBD-306-12 | 16 | 276.64 | 400 | 1 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 46.35 | TR306-13-01 | 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 | 306-14 | LBD-306-14 | 16 | 276.64 | 400 | 1 1 | AL 750MCM | CU #2 | 60 | 1 1 | AL 750MCM | CU #2 | 72.1 | TR306-14-01 | 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 | 306-15 | LBD-306-15 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 103 | TR306-15-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL SOOMCM | 824 | 275.57 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 2 | 306-16 | LBD-306-16 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 128.75 | TR306-16-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL SOOMCM | 824 | 275.57 | 0.1% | 0.2% | 1.8% | 0.50% | 2.5% |
| 2 | 306-17 | LBD-306-17 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 159.65 | TR306-17-01 | 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% |
| 2 | 306-18 | LBD-306-18 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 185.4 | TR306-18-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL SOOMCM | 824 | 275.57 | 0.1% | 0.3% | 1.8% | 0.50% | 2.6% |

SCHEDULES & CALCULATIONS PCS-304 THRU 306

E3.520

1795. WW SOLAR GROUND MOUNT SYSTEM AT I DO SYSTEM SIZE: 178,584.50 WW FARE TO SYSTEM AT I DO SYSTEM SIZE: 178,584.50 WW FARE TO SYSTEM SALE T

DURENCE | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 20

| | | | | | | | | | | | | | DC FI | EEDER SCHED | ULE - PCS 3 | 07 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-----------|-------------|------------------------|-------------------|----------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|----------------|--|--|--|------------------------------------|----------------------|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP CALCS | | |
| INVERTER INPUT | FEEDER ID | LBD NUMBER | QTY OF STRINGS | FEEDER MAXIMUM CURRENT [A] | OCPD SIZE [A] | CONDUCTORS PER POLE | CONDUCTOR 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| 1 | 307-01 | LBD-307-01 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 430 | 1 | AL 350MCM | CU #2 | 267.8 | TR307-01-01 | 9 | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL#4/0 | 417.15 | 145.89 | 0.7% | 0.4% | 1.1% | 0.50% | 2.7% |
| 1 | 307-02 | LBD-307-02 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 430 | 1 | AL 750MCM | CU #2 | 169.95 | TR307-02-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 478.95 | 145.89 | 0.3% | 0.1% | 1.3% | 0.50% | 2.2% |
| _ | 331. 52 | | | | 100 | - | | | | | | | | 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% | 1.7% |
| 1 | 307-03 | LBD-307-03 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 430 | 1 | AL 750MCM | CU #2 | 118.45 | TR307-03-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 345.05 | 129.68 | 0.3% | 0.1% | 0.8% | 0.50% | 1.7% |
| | _ | | | | | | | | | | | | | TR307-03-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 319.3 | 129.68 | 0.3% | 0.1% | 0.8% | 0.50% | 1.6% |
| 1 | 307-04 | LBD-307-04 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 430 | 1 | AL 750MCM | CU #2 | 15.45 | TR307-04-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 AL #4/0 | 381.1 | 129.68 | 0.3% | 0.0% | 0.9% | 0.50% | 1.7% |
| _ | _ | | | | | | | | | | | | | TR307-04-02 | - / | 1090.7 | 17.29 17.29 | 121.03 86.45 | 175 110 | 1 | AL #4/0 | 319.3 216.3 | 113.47 81.05 | 0.3% | 0.0% | 0.7% | 0.50% | 1.5% 0.8% |
| ١, | 307-05 | IBD-307-05 | 17 | 293.93 | 400 | ١, | AL 750MCM | CU #2 | 30 | , | AL 750MCM | 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% | 0.9% |
| 1 - | 307-03 | 100-307-03 | | 233.33 | 400 | 1 | AL / JUNICIN | C0 #2 | 30 | - | AL 730MICH | 00 #2 | 15.45 | TR307-05-03 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 453.2 | 113.47 | 0.0% | 0.0% | 0.9% | 0.50% | 1.5% |
| 1 | 307-06 | LBD-307-06 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 190.55 | 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% | 2.0% |
| 1 | 307-07 | LBD-307-07 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 221.45 | TR307-07-01 | 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% |
| 1 | 307-08 | LBD-307-08 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 247.2 | TR307-08-01 | 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% |
| 1 | 307-09 | LBD-307-09 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 278.1 | TR307-09-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.1% | 0.5% | 1.2% | 0.50% | 2.3% |
| 1 | 307-10 | LBD-307-10 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 303.85 | TR307-10-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL#4/0 | 520.15 | 178.31 | 0.1% | 0.6% | 1.7% | 0.50% | 2.9% |
| 1 | 307-11 | LBD-307-11 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 329.6 | TR307-11-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL#4/0 | 520.15 | 178.31 | 0.1% | 0.7% | 1.7% | 0.50% | 2.9% |
| 1 | 307-12 | LBD-307-12 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 360.5 | TR307-12-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL#4/0 | 520.15 | 178.31 | 0.1% | 0.7% | 1.7% | 0.50% | 3.0% |
| 2 | 307-13 | LBD-307-13 | 11 | 190.19 | 250 | 1 | AL 350MCM | CU #2 | 30 | 1 | AL 350MCM | CU #2 | 386.25 | TR307-13-01 | 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% | 3.0% |
| 2 | 307-14 | LBD-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% | 3.1% |
| 2 | 307-15 | LBD-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% | 3.1% |
| 2 | 307-16 | LBD-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% | 2.7% |
| 2 | 307-17 | LBD-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% | 1.0% | 1.7% | 0.50% | 3.3% |
| 2 | 307-18 | LBD-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 | 0.0% | 0.5% | 1.1% | 0.50% | 2.1% |
| | | | | | | | | | | | | | | TR307-18-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 442.9 | 145.89 | 0.0% | 0.5% | 1.2% | 0.50% | 2.2% |
| 2 | 307-19 | LBD-307-19 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 30 | 1 | AL 750MCM | CU #2 | 695.25 | TR307-19-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL#4/0 | 417.15 | 145.89 | 0.0% | 0.5% | 1.1% | 0.50% | 2.2% |
| - | - | | | | | | | | | | | | | TR307-19-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 442.9 | 145.89 | 0.0% | 0.5% | 1.2% | 0.50% | 2.2% |
| 2 | 307-20 | LBD-307-20 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 30 | 1 | AL 750MCM | CU #2 | 751.9 | TR307-20-01 TR307-20-02 | 8 | 1090.7 1090.7 | 17.29 17.29 | 138.32 138.32 | 175 | 1 | AL #4/0 AL #4/0 | 350.2 350.2 | 129.68 129.68 | 0.0% | 0.5% | 0.8% | 0.50% | 1.9% |
| - | + | | | | | | | | | | - | | | TR307-20-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 350.2 | 129.68 | 0.0% | 0.5% | 0.8% | 0.50% | 1.9% |
| 2 | 307-21 | LBD-307-21 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 30 | 1 | AL 750MCM | CU #2 | 824 | TR307-21-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL #4/0 | 370.8 | 113.47 | 0.0% | 0.5% | 0.8% | 0.50% | 1.8% |
| 2 | 307-22 | IBD-307-22 | 7 | 121.03 | 175 | 1 | AL 350MCM | CI1#2 | 30 | 1 | AL 350MCM | CIL#2 | 896.1 | TR307-22-01 | 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% | 2.3% |
| | 307.22 | 100-307-22 | , | 11.03 | 4/3 | | AL JOINIUM | CU #2 | - 20 | 1 | AL JUNIUM | 1 00 #2 | 030.1 | 111307-22-01 | | 1030.7 | 47.25 | 44.4.03 | H/A | 1 1 | AL #4/0 | Ja 3.3 | 143.47 | 0.0% | 1.170 | 0.770 | 0.30% | 4.370 |

| | | | | | | | | | | | | | DCF | EEDER SCHED | ULE - PCS 3 | | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|----------------------------|-------------|-------------------|--|----------------------------------|---------------|------------------------|--------------------|------------------|--|---|--|------------------------------------|--------|------|
| | | OVERALL OUTP | PUT CIRCUIT PARAM | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK C | | - | | | TRUNK ON RACKING | | | | VOLTAGE DRO | DP 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 | | VOCIAGE VIIIP (V) | STRING MAXIMUM CURRENT, SIMULATED [A] | FEEDER MAXIMUM CURRENT [A] | OCPD SIZE [A] | CONDUCTORS PER POLE | CONDUCTOR SIZE | | FEEDER OPERATING CURRENT (STRING Imp) [A] | SEGMENT VOLTAGE DROP- FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | TRUNK) | DROP |
| | | | | | | | | | | | | | | TR308-01-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 154.5 | 97.26 | 0.0% | 0.2% | 0.3% | 0.50% | 1.0% |
| 1 | 308-01 | LBD-308-01 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 381.1 | 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 TR308-02-01 | 3 | 1090.7 | 17.29 17.29 | 51.87 69.16 | 70 | 1 | AL #4/0 AL #4/0 | 15.45 169.95 | 48.63 64.84 | 0.0% | 0.2% | 0.0% | 0.50% | 0.7% |
| 1 | 308-02 | LBD-308-02 | 12 | 207.48 | 315 | , | 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% |
| | | | | | | 1 | | | " | 1 | | | | 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% |
| 1 | 308-03 | LBD-308-03 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 216.3 | 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% |
| | | | | | | | | | | | | | | 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% |
| | 308-04 | LBD-308-04 | 12 | 207.48 | 315 | | AL 350MCM | CU #2 | 60 | | | CU #2 | 133.9 | TR308-04-01 TR308-04-02 | 4 | 1090.7 | 17.29 17.29 | 69.16 69.16 | 90 | 1 | AL #4/0 AL #4/0 | 169.95 144.2 | 64.84 | 0.0% | 0.1% | 0.2% | 0.50% | 0.8% |
| 1 | 308-04 | LBD-308-04 | 12 | 207.48 | 315 | 1 | AL 35UMUM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 133.9 | TR308-04-02 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL #4/0 | 113.3 | 64.84 | 0.0% | 0.1% | 0.2% | 0.50% | 0.8% |
| | | | | | | | | | | | | | | TR308-05-01 | 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% |
| 1 | 308-05 | LBD-308-05 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 46.35 | 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 | 113.3 | 64.84 | 0.0% | 0.0% | 0.1% | 0.50% | 0.7% |
| 1 | 308-06 | LBD-308-06 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 15.45 | 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% |
| | 308-07 | LBD-308-07 | 12 | 207.48 | 315 | | AL 350MCM | CU #2 | 60 | ١. | AL 350MCM | CU #2 | 46.35 | TR308-07-01 TR308-07-02 | 4 | 1090.7 | 17.29 17.29 | 69.16 69.16 | 90 | 1 | AL #4/0 AL #4/0 | 113.3 144.2 | 64.84 | 0.0% | 0.0% | 0.1% | 0.50% | 0.7% |
| 1 | 300'07 | 180-306-07 | 12 | 207.46 | 313 | 1 1 | AL SOUNCM | CO #2 | 80 | 1 1 | AL SSUMICM | CO #2 | ¥0.33 | TR308-07-02 | 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% |
| 1 | 308-08 | LBD-308-08 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 128.75 | 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% | 0.1% | 0.2% | 0.50% | 0.8% |
| | | | | | | | | | | | | | | TR308-09-01 | 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 | 308-09 | LBD-308-09 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 216.3 | 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% | 0.2% | 0.50% | 0.9% |
| | | | | | | | | | | | | | | TR308-10-01 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL #4/0 AL #4/0 | 113.3 | 64.84 | 0.0% | 0.2% | 0.1% | 0.50% | 0.9% |
| 1 | 308-10 | LBD-308-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | CU #2 | 298.7 | TR308-10-02 TR308-10-03 | 4 | 1090.7 1090.7 | 17.29 17.29 | 69.16 69.16 | 90 | 1 | AL #4/0 | 144.2 169.95 | 64.84 | 0.0% | 0.2% | 0.2% | 0.50% | 0.9% |
| | | | | | | | | | | | | | | TR308-11-01 | 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% |
| 1 | 308-11 | LBD-308-11 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 381.1 | 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% |
| 1 | 308-12 | LBD-308-12 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 484.1 | TR308-12-02 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL#4/0 | 242.05 | 81.05 | 0.0% | 0.1% | 0.4% | 0.50% | 1.0% |
| | | | | | | | | | | | | | | 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% |
| | | | | 250.05 | | l . | | | | l . | | | | 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% |
| 2 | 308-13 | LBD-308-13 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 571.65 | TR308-13-02 TR308-13-03 | 5 | 1090.7 1090.7 | 17.29 | 86.45 | 110 | 1 | AL #4/0 AL #4/0 | 242.05 | 81.05 | 0.0% | 0.2% | 0.4% | 0.50% | 1.1% |
| | | | | | | 1 | | | | | | | | TR308-13-03 | 5 | 1090.7 | 17.29 17.29 | 86.45 86.45 | 110 | 1 | AL #4/0 AL #4/0 | 272.95 216.3 | 81.05 81.05 | 0.0% | 0.2% | 0.4% | 0.50% | 1.1% |
| 2 | 308-14 | LBD-308-14 | 16 | 276.64 | 400 | , | AL 750MCM | CU #2 | 60 | , | AL 750MCM | CU #2 | 654.05 | 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% |
| - | | | | | | 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 | 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% |
| 2 | 308-15 | LBD-308-15 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 736.45 | 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% |
| | | | | | | | | | | | | | | 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% |
| 2 | 200.16 | 100 300 10 | 15 | 250.25 | 400 | 1 . | AL TERMET | C1 #2 | | Ι. | AL 7500ACC | CU#2 | eer a | 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% |
| 2 | 308-16 | LBD-308-16 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | CU #2 | 865.2 | TR308-16-02 TR308-16-03 | 5 | 1090.7 | 17.29 17.29 | 86.45 86.45 | 110 | 1 | AL #4/0 AL #4/0 | 242.05 272.95 | 81.05 81.05 | 0.0% | 0.4% | 0.4% | 0.50% | 1.3% |
| | | | | | | _ | | | | | | | | TR308-17-01 | 5 | 1090.7 | 17.29 | 86.45 | 110 | 1 | AL #4/0 | 216.3 | 81.05 | 0.0% | 0.4% | 0.4% | 0.50% | 1.3% |
| 2 | 308-17 | LBD-308-17 | 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% | 0.4% | 0.50% | 1.2% |
| | | 1 | | | 1 | | 1 | 1 | | 1 | | 1 | ' ' | 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% |

SCHEDULES & CALCULATIONS PCS-307 THRU 308

PURETOWER

DITTORNEY AND STATEMENT OF THE DESCRIPTION OF THE DESCRIPTI

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| | | | | | | | | | | | | | DC F | EEDER SCHEE | ULE - PCS 3 | 09 | | | | | | | | | | | | |
|----------|-----------|--------------------------|-------------------|----------------------------------|---------------|------------------------|------------------------|-------------|-------------|------------------------|------------------------|---------------|-----------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|------------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | 5 | | | TRUNK ON RACKING | 3 | | | VOLTAGE DRO | P CALCS | | |
| INVERTER | 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | 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% |
| 1 | 309-01 | LBD-309-01 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 150 | 1 | AL 750MCM | CU #2 | 587.1 | TR309-01-02 | 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 | 288.4 | 97.26 | 0.1% | 0.3% | 0.5% | 0.50% | 1.3% |
| | 305-02 | 100-303-02 | | 242.00 | 400 | • | AL / JUNICHI | CO #2 | 130 | • | AL 730MCM | CO #2 | 323 | 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% |
| 1 | 309-03 | LBD-309-03 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 150 | 1 | AL 750MCM | CU #2 | 442.9 | TR309-03-01 | 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% |
| | | | | | | • | | | | - | | | | 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 | 283.25 | 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% | 0.0% | 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% |
| | | | | | | | | | | | | | | 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% |
| 2 | 309-15 | LBD-309-15 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 35 | 1 | AL 350MCM | CU #2 | 20.6 | 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% |
| _ | 309-17 | LBD-309-17 | 10 | 172.9 | 250 | , | AL 350MCM | CU #2 | 35 | , | AL 350MCM | CU #2 | 128.75 | TR309-16-02 TR309-17-01 | 10 | 1090.7 1090.7 | 17.29 17.29 | 155.61 172.9 | 200 N/A | 1 | AL #4/0 AL #4/0 | 448.05 417.15 | 145.89 162.1 | 0.0% | 0.1% | 1.2% | 0.50% | 1.8% |
| 2 | | | 10 | _ | | 1 1 | | | 35 | 1 | | | | | 10 | | | _ | N/A N/A | 1 | AL #4/0 AL #4/0 | | | | | _ | | |
| 2 | 309-18 | LBD-309-18 LBD-309-19 | 10 | 172.9 172.9 | 250 250 | 1 1 | AL 350MCM AL 350MCM | CU #2 | 35 | 1 | AL 350MCM AL 350MCM | CU #2 | 159.65 185.4 | TR309-18-01 TR309-19-01 | 10 | 1090.7 1090.7 | 17.29 17.29 | 172.9 172.9 | N/A N/A | 1 | AL #4/0 AL #4/0 | 417.15 417.15 | 162.1 162.1 | 0.1% | 0.3% | 1.2% | 0.50% | 2.1% |
| 2 | 309-19 | LBD-309-19 LBD-309-20 | 10 | 172.9 | 250 | 1 | AL 350MCM | | | 1 | AL 350MCM | CU #2 | 216.3 | TR309-19-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A N/A | 1 | | 417.15 | 162.1 | | 0.3% | 1.2% | 0.50% | 2.1% |
| | 309-20 | LBU-309-20 | 10 | 1/2.9 | 250 | 1 | AL SOUNCM | CU #2 | 35 | 1 | AL SOUMLM | CU #2 | 216.3 | TR309-20-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A 200 | 1 1 | AL #4/0 AL #4/0 | 417.15 | 145.89 | 0.1% | 0.4% | 1.2% | 0.50% | 1.8% |
| 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 | | | 155.61 | | 1 1 | AL #4/0 AL #4/0 | 417.15 | 145.89 | 0.0% | | _ | | |
| | | | | | | | | | | | | | | 1 K3U9-21-02 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 1 | ML #4/U | 442.9 | 145.89 | U.0% | 0.2% | 1.2% | 0.50% | 1.9% |

SCHEDULES & CALCULATIONS
PCS-309

PURETOWER

DITTORNEY AND STATEMENT OF THE DESCRIPTION OF THE DESCRIPTI

PWG SZE EPC 56" × 24" (Δ) VAN GUAR D PROÆET # (Δ) 11111 × 1111 ×

179.5 WW SOLAR GROUND MOUNT SYSTEM AT DE SYSTEM SEE: 178,584.50 WW CPV BACKENON SYSTEM AND SYSTEM SEE: 178,584.50 MINT: 1429 SHARPLES MINT RAAD MOUNT, MARYLAND 21561 ORBITATION.

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 4 | 01 | | | | | | | | | | | | |
|-------------------|-----------|---------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTPU | JT CIRCUIT PARAI | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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 | 401-01 | LBD-401-01 | 12 | 207.48 | 315 | , | AL 350MCM | CU #2 | 860 | , | 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% |
| - | 401-01 | 100-401-01 | ** | 207.40 | 313 | | AL JJOINGIN | CO #2 | 000 | • | AL JJOINCH | CO W2 | 207.0 | 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 | 401-02 | LBD-401-02 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 860 | 1 | AL 350MCM | CU#2 | 242.05 | TR401-02-01 | 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 | 401-03 | LBD-401-03 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 860 | 1 | AL 350MCM | CU#2 | 216.3 | TR401-03-01 | 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 | TR401-04-01 | 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% |
| | 401-09 | LBD-401-09 | 18 | 311.22 | 400 | | AL 750MCM | CU #2 | 860 | | 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% |
| - | 402-03 | 100 401 03 | 10 | 311.11 | 400 | | AL / JOINCHI | CO #2 | 000 | • | AL / JOINCH | CO W2 | 15.45 | TR401-09-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 319.3 | 129.68 | 0.7% | 0.0% | 0.8% | 0.50% | 2.0% |
| | | | | | | | | | | | | | | 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 | 401-10 | LBD-401-10 | 13 | 224.77 | 315 | 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% |
| | | | | | | | | | | | | | | 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% |
| - | 401-11 | 100-401-11 | 13 | | 313 | | | | 40 | • | | CO #2 | 31.3 | 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% | 1.3% |
| 2 | 401-12 | LBD-401-12 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU#2 | 36.05 | TR401-12-01 | 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 | 401-13 | LBD-401-13 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU#2 | 36.05 | TR401-13-01 | 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% | 2.5% |
| 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 | 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 | 401-15 | LBD-401-15 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | 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 | 401-16 | LBD-401-16 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | 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 | 401-17 | LBD-401-17 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | 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 | 401-18 | LBD-401-18 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | 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 | 401-19 | LBD-401-19 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 60 | 1 | AL 350MCM | 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 | 401-20 | LBD-401-20 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 60 | 1 | AL 750MCM | 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 | 401-21 | LBD-401-21 | 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 OUTFUT CROUT PARAMETERS FEDER UNDERGROUND FEEDER ON MESSENGER WISE OVERALL TRUNK CROUT PARAMETERS TRUNK ON RACKING VOICE SEGMENT | | | | | | | | | | | | | | | ULE - PCS 40 |)2 | | | | | | | | | | | | |
|--|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--------------|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAM | METERS | | | FEEDER UND | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | i | | | VOLTAGE DRO | P 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | MOLTACE DROP | 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 | 1328.7 | 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% | 0.1% | 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 | 1328.7 | 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 | 1328.7 | 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 | 1328.7 | 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 | 1328.7 | 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% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 4 | 03 | | | | | | | | | | | | |
|-------------------|-----------|---------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-------------------------|
| | | OVERALL OUTPI | UT CIRCUIT PARAN | METERS | | | FEEDER UND | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROF (STRING TO TRUNK) | P TOTAL VOLTAGE DROP |
| 1 | 403-01 | LBD-403-01 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR403-01-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 500MCM | 1328.7 | 210.73 | 0.1% | 0.1% | 2.2% | 0.50% | 2.8% |
| 1 | 403-02 | LBD-403-02 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 46.35 | TR403-02-01 | 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 | 403-03 | LBD-403-03 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 15.45 | TR403-03-01 | 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 | 403-04 | LBD-403-04 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR403-04-01 | 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 | 403-05 | LBD-403-05 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR403-05-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL SOOMCM | 1225.7 | 210.73 | 0.0% | 0.0% | 2.0% | 0.50% | 2.6% |
| 1 | 403-06 | LBD-403-06 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 41.2 | TR403-06-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL #4/0 | 515 | 194.52 | 0.1% | 0.1% | 1.8% | 0.50% | 2.5% |
| 1 | 403-07 | LBD-403-07 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 15.45 | TR403-07-01 | 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% |
| 1 | 403-08 | LBD-403-08 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 15.45 | TR403-08-01 | 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 | 403-09 | LBD-403-09 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR403-09-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL SOOMCM | 1225.7 | 210.73 | 0.0% | 0.0% | 2.0% | 0.50% | 2.6% |
| 2 | 403-10 | LBD-403-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 41.2 | TR403-10-01 | 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 | 403-11 | LBD-403-11 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR403-11-01 | 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 | 403-12 | LBD-403-12 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 15.45 | TR403-12-01 | 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 | 403-13 | LBD-403-13 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR403-13-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL 350MCM | 1122.7 | 194.52 | 0.1% | 0.1% | 2.4% | 0.50% | 3.2% |
| 2 | 403-14 | LBD-403-14 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR403-14-01 | 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 | 403-15 | LBD-403-15 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR403-15-01 | 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 | 403-16 | LBD-403-16 | 18 | 311.22 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR403-16-01 | 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% |
| 2 | 403-17 | LBD-403-17 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 128.75 | TR403-17-01 | 17 | 1090.7 | 17.29 | 293.93 | N/A | 1 | AL 500MCM | 824 | 275.57 | 0.1% | 0.2% | 1.8% | 0.50% | 2.5% |

SCHEDULES & CALCULATIONS
PCS-401 THRU 403

| DUREPOWER | DOT | | | DOT |

1795. MW SOLAR GROUND MOUNT SYSTEM ATT DO SYSTEM SIZE: 179,539.50 WW FORE 2027 PC CONTROL OF SYSTEM SIZE: 179,539.50 WW FORE FORE STATES OF SYSTEM SIZE: 1429 SYSTEM SAME FORD OF SYSTEM SYSTEM

| | | | | | | | | | | | | | DC FI | EEDER SCHED | IULE - PCS 4 | 04 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PAR | AMETERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK C | RCUIT PARAMETERS | | | | TRUNK ON RACKING | ŝ | | | VOLTAGE DRO | P 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 Imp) [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 | 404-01 | LBD-404-01 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | TR404-01-01 | 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 | TR404-02-01 | 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 | TR404-03-01 | 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 | TR404-04-01 | 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 | TR404-05-01 | 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 | TR404-06-01 | 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 | 404-07 | LBD-404-07 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR404-07-01 | 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 | TR404-08-01 | 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 | TR404-09-01 | 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 | TR404-10-01 | 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 | TR404-11-01 | 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 | TR404-12-01 | 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 | TR404-13-01 | 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 | TR404-14-01 | 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 | TR404-15-01 | 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 | TR404-16-01 | 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 | TR404-17-01 | 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 FF | EDER SCHED | ULE - PCS 40 | 15 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | 1 | FFFDER LIN | DERGROUND | | | FEFDER ON M | ESSENGER WIRE | 5012 | I SCHED | | OVERALL TRUNK CIE | RCUIT PARAMETERS | | | | TRUNK ON RACKING | 6 | 1 | | VOLTAGE DRO | OP 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 | 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 Imp) [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 | 405-01 | LBD-405-01 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 185.4 | TR405-01-01 | 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 | TR405-02-01 | 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 | TR405-03-01 | 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 | TR405-04-01 | 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 | TR405-05-01 | 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 | TR405-06-01 | 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 | TR405-07-01 | 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 | TR405-08-01 | 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 | TR405-09-01 | 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 | TR405-10-01 | 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 | TR405-11-01 | 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 | TR405-12-01 | 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 | TR405-13-01 | 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 | TR405-14-01 | 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 | TR405-15-01 | 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 | TR405-16-01 | 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 | TR405-17-01 | 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% |
| 2 | 405-18 | LBD-405-18 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 216.3 | TR405-18-01 | 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 | TR405-19-01 | 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% |

| | | OVERALL OUTPUT CIRCUIT PARAMETERS FEEDER UNDERGROUND FEEDER ON MESSENGER WIRE | | | | | | | | | | | | | ULE - PCS 40 | 16 | | | | | | | | | | | | |
|-------------------|-----------|---|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | IDERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK CIR | CUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [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 | 406-01 | LBD-406-01 | 17 | 293.93 | 400 | , | AL 750MCM | CU #2 | 65 | , | AL 750MCM | CU #2 | 329.6 | TR406-01-01 | 9 | 1090.7 | 17.29 | 155.61 | 200 | 1 | AL #4/0 | 442.9 | 145.89 | 0.0% | 0.2% | 1.2% | 0.50% | 2.0% |
| • | 400-01 | 100 400 01 | | 233.33 | 400 | | AL / JOINCH | CO WZ | 0.5 | | AL /JUNION | CO #2 | 323.0 | TR406-01-02 | 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% |
| , | 406-02 | LBD-406-02 | 16 | 276.64 | 400 | | AL 750MCM | CU #2 | 65 | | AL 750MCM | CU #2 | 267.8 | TR406-02-01 | 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% |
| 1 | 400/02 | LBD*400*02 | 10 | 270.04 | 400 | 1 | AL /SUMICIN | CO #2 | 03 | 1 | AL 750MCM | CO #2 | 207.0 | TR406-02-02 | 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 | , | AL 750MCM | CU #2 | 65 | ١, | AL 750MCM | CU #2 | 159.65 | TR406-03-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 345.05 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.5% |
| | 400.03 | 100 400 05 | 10 | 270.04 | 400 | | AL / JOINCH | CO #2 | 0.5 | - | AL /JUNICIN | CO #2 | 133.03 | TR406-03-02 | 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 | TR406-04-01 | 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% |
| | | | | 2.00 | | - | | | | - | | | | TR406-04-02 | 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 | , | AL 750MCM | CU #2 | 65 | ١, | AL 750MCM | CU #2 | 46.35 | TR406-05-01 | 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% |
| | 400.03 | 100 400 05 | 10 | 270.04 | 400 | 1 | AL / JOINCH | CO #2 | 0.5 | - | AL /JUNICIN | CO #2 | 40.33 | TR406-05-02 | 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 | TR406-06-01 | 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% |
| | 100 00 | | | 2.00 | | | | | | - | | | | TR406-06-02 | 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 | TR406-07-01 | 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% |
| | 400.07 | 100 400 07 | 13 | 133.33 | 400 | - | AL / JOINCH | CO W2 | 40 | - | AL /JUNICIN | CO #2 | 41.1 | TR406-07-02 | 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 | TR406-08-01 | 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% |
| | | | | | | | | | | - | | | | TR406-08-02 | 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 | TR406-09-01 | 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 | 406-10 | LBD-406-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 46.35 | TR406-10-01 | 12 | 1090.7 | 17.29 | 207.48 | N/A | 1 | AL#4/0 | 515 | 194.52 | 0.1% | 0.1% | 1.8% | 0.50% | 2.6% |
| 2 | 406-11 | LBD-406-11 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR406-11-01 | 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 | 406-12 | LBD-406-12 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR406-12-01 | 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 | 406-13 | LBD-406-13 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 133.9 | TR406-13-01 | 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% |
| 2 | 406-14 | LBD-406-14 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | TR406-14-01 | 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% |
| 2 | 406-15 | LBD-406-15 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 185.4 | TR406-15-01 | 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% |
| 2 | 406-16 | LBD-406-16 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 216.3 | TR406-16-01 | 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% |

PRAWNG TITLE
SCHEDULES & CALCULATIONS
PCS-404 THRU 406

DRAWING #

179.5 WW SOLAR GROUND MOUNT SYSTEM ATT DE SYSTEM SEE: 178,586.50 WW CPV BACKERON TO STRONG SYSTEM SEE: 178,586.50 WW STRONG SYSTEM STRONG SYSTEM SEE SYSTEM STRONG STRONG

| DUREPOWER | DOT | | DUREPOWER | DOT | DO

PAGE SIZE

36" × 24"

PROJECT # WALLOW MAINTER, IC

06271

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 4 | 07 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTF | PUT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | S | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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% | 0.50% | 2.8% |
| 1 | 407-02 | LBD-407-02 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | 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 | 103 | 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 750MCM | 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% | 1.4% | 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% | 0.1% | 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 | 103 | TR407-14-01 | 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 | 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% |
| | | | | | | | | | | | | | | TR407-15-02 | 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 | 407-16 | 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 | 319.3 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.4% |
| | - | | - | - | | | | | | | | | | TR407-16-02 | 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 | 242.05 | 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% |
| | | l | | | | | | | | | | | | 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 FE | EDER SCHED | ULE - PCS 40 | 08 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|----------------------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|--------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAM | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [A] | SEGMENT VOLTAGE DROP - FEEDER UNDERGROUND | SEGMENT VOLTAGE DROP - FEEDER MESSENGER | SEGMENT VOLTAGE DROP - TRUNK | SEGMENT VOLTAGE DROP (STRING TO TRUNK) | TOTAL VOLTAGE DROP |
| | | | | | | | | | | | | | | TR408-01-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 128.75 | 97.26 | 0.0% | 0.2% | 0.2% | 0.50% | 0.9% |
| 1 | 408-01 | LBD-408-01 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 329.6 | TR408-01-02 | 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% |
| | | | | | | | | | | | | | | TR408-02-01 | 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 | TR408-02-02 | 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% |
| | | | | | | | | | | | | | | TR408-02-03 | 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 | 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% | 1.5% |
| _ | | | | | | - | | | | - | | ***** | | TR408-03-02 | 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 | 408-04 | LBD-408-04 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 128.75 | TR408-04-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL#4/0 | 345.05 | 129.68 | 0.0% | 0.1% | 0.8% | 0.50% | 1.5% |
| | | | | | | | | | | | | | | TR408-04-02 | 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 | 408-05 | LBD-408-05 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | 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 TR408-06-01 | 8 | 1090.7 | 17.29 17.29 | 138.32 | 175 | 1 | AL#4/0 AL#4/0 | 319.3 345.05 | 129.68 | 0.0% | 0.0% | 0.8% | 0.50% | 1.4% |
| 1 | 408-06 | LBD-408-06 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR408-06-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 175 | 1 | AL #4/0 AL #4/0 | 345.05 | 129.68 | 0.0% | 0.0% | 0.8% | 0.50% | 1.4% |
| - | _ | | | | | | | | | | | | | TR408-07-01 | 7 | 1090.7 | 17.29 | 121.03 | 175 | 1 | AL#4/0 | 319.3 | 113.47 | 0.0% | 0.0% | 0.8% | 0.50% | 1.2% |
| 1 | 408-07 | LBD-408-07 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR408-07-02 | , | 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 | 408-08 | IBD-408-08 | | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 41.2 | TR408-08-01 | , | 1090.7 | 17.29 | 155.61 | N/A | 1 | AL#4/0 | 417.15 | 145.89 | 0.1% | 0.1% | 1.1% | 0.50% | 1.7% |
| 2 | 408-09 | IBD-408-09 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 15.45 | TR408-09-01 | 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% | 1.9% |
| 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% | 1.2% | 0.50% | 1.9% |
| 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% | 0.1% | 1.4% | 0.50% | 2.1% |
| 2 | 408-12 | LBD-408-12 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR408-12-01 | 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 | 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% | 0.1% | 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% |
| 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% |
| 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% | 2.3% |
| 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 | 293.93 | N/A | 1 | AL 500MCM | 824 | 275.57 | 0.1% | 0.3% | 1.8% | 0.50% | 2.7% |

| | | | | | | | | | | | | | | | ULE - PCS 40 |)9 | | | | | | | | | | | | |
|-------------------|-----------|-------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUT | PUT CIRCUIT PARA | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | ; | | | VOLTAGE DRO | IP 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 Imp) [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 | 409-01 | LBD-409-01 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR409-01-01 | 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 | 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 500MCM | 824 | 291.78 | 0.1% | 0.1% | 1.9% | 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 | 65 | 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% | 0.1% | 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 | 41.2 | 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 | 103 | 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 | 103 | 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% |

SCHEDULES & CALCULATIONS
PCS-407 THRU 409

DRAWING #

179.5 MW SOLAR GROUND MOUNT SYSTEM ATT DR SYSTEM SIZE: 178,558,50 NW
CPV BACKBOND STORE TO SERVE STATE STATE

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DITTORNEY AND STATEMENT OF THE DESCRIPTION OF THE DESCRIPTI

| | | | | | | | | | | | | | DC FE | EDER SCHEE | ULE - PCS 4 | 11 | | | | | | | | | | | | |
|----------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | AMETERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | S | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P CALCS | | |
| INVERTER | 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 Imp) [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 SOOMCM | 1328.7 | 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 SOOMCM | 1328.7 | 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 SOOMCM | 1328.7 | 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% | 2.1% |
| 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 | 1328.7 | 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 | 1328.7 | 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% | 2.2% |
| 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 SOOMCM | 1328.7 | 210.73 | 0.1% | 0.1% | 2.2% | 0.50% | 2.8% |

| | | OVERALL OUTPUT CIRCUIT PARAMETERS FEEDER UNDERGROUND FEEDER ON MESSENGER WIRE | | | | | | | | | | | | | ULE - PCS 4: | 12 | | | | | | | | | | | | |
|-------------------|-----------|---|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|----------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UNI | DERGROUND | | | FEEDER ON M | IESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | S | | | TRUNK ON RACKING | | | | VOLTAGE DRO | P 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 Imp) [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 | TR412-01-01 | 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 | 412-02 | LBD-412-02 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR412-02-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 500MCM | 1328.7 | 210.73 | 0.1% | 0.1% | 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 | TR412-03-01 | 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 | 412-04 | LBD-412-04 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 41.2 | TR412-04-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 500MCM | 1328.7 | 210.73 | 0.1% | 0.0% | 2.2% | 0.50% | 2.8% |
| 1 | 412-05 | LBD-412-05 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR412-05-01 | 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 | 412-06 | LBD-412-06 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR412-06-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 500MCM | 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 | TR412-07-01 | 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 | TR412-08-01 | 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 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 15.45 | TR412-09-01 | 14 | 1090.7 | 17.29 | 242.06 | N/A | 1 | AL 350MCM | 618 | 226.94 | 0.0% | 0.0% | 1.6% | 0.50% | 2.1% |
| 2 | 412-10 | LBD-412-10 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU #2 | 40 | 1 | AL 350MCM | CU #2 | 15.45 | TR412-10-01 | 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 | TR412-11-01 | 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 | TR412-12-01 | 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 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR412-13-01 | 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 | 412-14 | LBD-412-14 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR412-14-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL SOOMCM | 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 | TR412-15-01 | 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 | TR412-16-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL SOOMCM | 1328.7 | 210.73 | 0.1% | 0.0% | 2.2% | 0.50% | 2.8% |
| 2 | 412-17 | LBD-412-17 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR412-17-01 | 14 | 1090.7 | 17.29 | 242.06 | N/A | 1 | AL 350MCM | 618 | 226.94 | 0.1% | 0.1% | 1.6% | 0.50% | 2.2% |
| 2 | 412-18 | LBD-412-18 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR412-18-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 500MCM | 1328.7 | 210.73 | 0.1% | 0.1% | 2.2% | 0.50% | 2.8% |

SCHEDULES & CALCULATIONS PCS-410 THRU 412

 DATE
 RENISON DESCRIPTION
 PM BMG IOHK

 03/26/2024
 900 DESIGN DESCRIPTION
 RK GP B.

 01/26/2024
 600 DESIGN DESCRIPTION
 RK GP B.

 01/10/2024
 600 M.N DESIGN
 RK GP B.

 10/16/2023
 300 DESIGN — REV Z
 RK GP B.

PUREPOWER

OIT RAFE STREET, HOSENEY, NJ

WWW.PUREPOWER.COM

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WE CAN STREET TO STREET

ME UKENES No. 41148

PWGE SZE FPC

36" × 24"

PROJECT #

06271

WM

179,536,50 kW 176,400,00 kW HT-SAME HT72-1: 326,430 25" TLT, 180" AZ

WW SOLAR GROUND MOUNT SYSTEM AT DC SYSTEM SIZE CPV BACKERON E GOSTATS DE GOST

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179,536,50 kW 176,400,00 kW HT-SAME HT72-1: 326,430 25" TLT, 180" AZ

WW SOLAR GROUND MOUNT SYSTEM AT DC SYSTEM SIZE CPV BACKERON E GOSTATS DE GOST

E3.527

| | | | | | | | | | | | | | DC FE | EDER SCHEE | DULE - PCS 4: | 14 | | | | | | | | | | | | |
|-------------------|-----------|-----------------------------------|-----------------|---------|-----|---|-----------|------------|----|---|-------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | AMETERS | | | FEEDER UN | IDERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETER: | Š | | | TRUNK ON RACKING | ŝ | | | VOLTAGE DRO | P CALCS | | |
| INVERTER INPUT | FEEDER ID | STRINGS CURRENT (A) PER PULE 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 Imp) [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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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% | 2.0% | 0.50% | 2.7% |
| 2 | 414-17 | LBD-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 | LBD-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 | LBD-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 | LBD-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 | LBD-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% | 0.2% | 1.2% | 0.50% | 2.1% |
| 2 | 414-22 | LBD-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% | 0.2% | 2.5% | 0.50% | 3.3% |
| 2 | 414-23 | LBD-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% | 0.3% | 1.2% | 0.50% | 2.1% |
| 2 | 414-24 | LBD-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% |

DC FEEDER SCHEDULE - PCS 413

TR413-05-01

TR413-06-01 TR413-07-01 TR413-08-01

TR413-09-01 TR413-10-01

TR413-11-01

TR413-12-01

TR413-12-01 TR413-13-01 TR413-14-01 TR413-15-01 TR413-16-01 TR413-17-01 TR413-18-01

1090.7

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1090.7

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41.2

15.45 15.45

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41.2

OCPD SIZE [A]

N/A

N/A N/A N/A

N/A

N/A N/A N/A

N/A

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N/A N/A N/A

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LENGTH [FT]

618

618 1225.7

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AL 350MCM
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1.6% 2.6% 1.8%

1.8%

2.4%

2.4% 1.8% 2.0% 1.8% 2.2% 1.8% 2.2%

CONDUCTOR SIZE

AL 750MCM

AL 350MCM
AL 750MCM
AL 350MCM
AL 350MCM
AL 750MCM
AL 350MCM
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OCPD SIZE [A]

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207.48 242.06 207.48 207.48 224.77 207.48 224.77 207.48

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207.48 207.48 224.77 207.48 190.19 207.48 190.19

1 413-03 LBD-413-03

2 413-11 LBD-413-11

413-12 LBD-413-12

2 413-15 LBD-413-15 2 413-15 LBD-413-16 2 413-17 LBD-413-17 2 413-18 LBD-413-18

413-13 LBD-413-13 413-14 LBD-413-14

413-04 LBD-413-04 413-05 LBD-413-05

413-06 LBD-413-06

| | | DC | | | | | | | | | | | | | | 15 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | IP 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 Imp) [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 | 415-01 | LBD-415-01 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 103 | TR415-01-01 | 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% |
| 1 | 415-02 | LBD-415-02 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 103 | TR415-02-01 | 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% |
| 1 | 415-03 | LBD-415-03 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 72.1 | TR415-03-01 | 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% | 2.0% |
| 1 | 415-04 | LBD-415-04 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 72.1 | TR415-04-01 | 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 | 415-05 | LBD-415-05 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 41.2 | TR415-05-01 | 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 | 415-06 | LBD-415-06 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 41.2 | TR415-06-01 | 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 | 415-07 | LBD-415-07 | 10 | 172.9 | 250 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 15.45 | TR415-07-01 | 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 | 415-08 | LBD-415-08 | 9 | 155.61 | 200 | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 15.45 | TR415-08-01 | 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 | 415-09 | LBD-415-09 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR415-09-01 | 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% |
| 1 | 415-10 | LBD-415-10 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 15.45 | TR415-10-01 | 16 | 1090.7 | 17.29 | 276.64 | N/A | 1 | AL 350MCM | 721 | 259.36 | 0.1% | 0.0% | 2.1% | 0.50% | 2.6% |
| 2 | 415-11 | LBD-415-11 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU #2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR415-11-01 | 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% |
| 2 | 415-12 | LBD-415-12 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR415-12-01 | 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 | 415-13 | LBD-415-13 | 17 | 293.93 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 41.2 | TR415-13-01 | 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% |
| 2 | 415-14 | LBD-415-14 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR415-14-01 | 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 | 415-15 | LBD-415-15 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR415-15-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.1% | 0.1% | 1.9% | 0.50% | 2.7% |
| 2 | 415-16 | LBD-415-16 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 128.75 | TR415-16-01 | 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 | 415-17 | LBD-415-17 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | TR415-17-01 | 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 | 415-18 | LBD-415-18 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU #2 | 65 | 1 | AL 750MCM | CU #2 | 185.4 | TR415-18-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.1% | 0.2% | 1.9% | 0.50% | 2.8% |

| | | | | | | | | | | | | | DC FE | EDER SCHED | ULE - PCS 4: | 16 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARAN | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON MI | ESSENGER WIRE | | | | OVERALL TRUNK C | IRCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | OP 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 Imp) [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 | 416-01 | LBD-416-01 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | TR416-01-01 | 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 | 416-02 | LBD-416-02 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 128.75 | TR416-02-01 | 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 | 416-03 | LBD-416-03 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR416-03-01 | 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 | 416-04 | LBD-416-04 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR416-04-01 | 15 | 1090.7 | 17.29 | 259.35 | N/A | 1 | AL 350MCM | 721 | 243.15 | 0.1% | 0.1% | 1.9% | 0.50% | 2.6% |
| 1 | 416-05 | LBD-416-05 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 41.2 | TR416-05-01 | 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 | 416-06 | LBD-416-06 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR416-06-01 | 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 | 416-07 | LBD-416-07 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU#2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR416-07-01 | 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 | 416-08 | LBD-416-08 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU#2 | 40 | 1 | AL 750MCM | CU #2 | 15.45 | TR416-08-01 | 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 | 416-09 | LBD-416-09 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU#2 | 40 | 1 | AL 750MCM | CU #2 | 41.2 | TR416-09-01 | 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 | 416-10 | LBD-416-10 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 15.45 | TR416-10-01 | 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 | 416-11 | LBD-416-11 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 41.2 | TR416-11-01 | 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 | 416-12 | LBD-416-12 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 72.1 | TR416-12-01 | 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 | 416-13 | LBD-416-13 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 103 | TR416-13-01 | 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 | 416-14 | LBD-416-14 | 15 | 259.35 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 128.75 | TR416-14-01 | 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 | 416-15 | LBD-416-15 | 14 | 242.06 | 400 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 159.65 | TR416-15-01 | 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% |
| 2 | 416-16 | LBD-416-16 | 13 | 224.77 | 315 | 1 | AL 750MCM | CU#2 | 65 | 1 | AL 750MCM | CU #2 | 185.4 | TR416-16-01 | 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% |

| | | | | | | | | | | | | | DC FI | EDER SCHED | ULE - PCS 4 | 17 | | | | | | | | | | | | |
|-------------------|-----------|--------------|-------------------|----------------------------------|---------------|------------------------|----------------|-------------|-------------|------------------------|-------------------|---------------|-------------|--------------|----------------|------------------------------|--|----------------------------------|---------------|------------------------|------------------|-----------------|--|--|--|------------------------------------|---|-----------------------|
| | | OVERALL OUTP | UT CIRCUIT PARA | METERS | | | FEEDER UN | DERGROUND | | | FEEDER ON M | ESSENGER WIRE | | | | OVERALL TRUNK CI | RCUIT PARAMETERS | | | | TRUNK ON RACKING | | | | VOLTAGE DRO | IP 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 Imp) [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 | 417-01 | LBD-417-01 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU#2 | 65 | 1 | AL 350MCM | CU #2 | 185.4 | TR417-01-01 | 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 | 417-02 | LBD-417-02 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU#2 | 65 | 1 | AL 350MCM | CU #2 | 159.65 | TR417-02-01 | 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 | 417-03 | LBD-417-03 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU#2 | 65 | 1 | AL 350MCM | CU #2 | 128.75 | TR417-03-01 | 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 | 417-04 | LBD-417-04 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU#2 | 65 | 1 | AL 350MCM | CU #2 | 103 | TR417-04-01 | 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 | 417-05 | LBD-417-05 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU#2 | 65 | 1 | AL 350MCM | CU #2 | 72.1 | TR417-05-01 | 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 | 417-06 | LBD-417-06 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU #2 | 65 | 1 | AL 350MCM | CU #2 | 41.2 | TR417-06-01 | 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 | 417-07 | LBD-417-07 | 12 | 207.48 | N/A | 1 | AL 350MCM | CU#2 | 65 | 1 | AL 350MCM | CU #2 | 15.45 | TR417-07-01 | 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 | 417-08 | LBD-417-08 | 11 | 190.19 | N/A | 1 | AL 350MCM | CU#2 | 40 | 1 | AL 350MCM | CU #2 | 41.2 | TR417-08-01 | 11 | 1090.7 | 17.29 | 190.19 | N/A | 1 | AL#4/0 | 515 | 178.31 | 0.1% | 0.1% | 1.7% | 0.50% | 2.3% |
| 1 | 417-09 | LBD-417-09 | 13 | 224.77 | N/A | 1 | AL 750MCM | CU#2 | 40 | 1 | AL 750MCM | CU #2 | 15.45 | TR417-09-01 | 13 | 1090.7 | 17.29 | 224.77 | N/A | 1 | AL 350MCM | 515 | 210.73 | 0.0% | 0.0% | 1.2% | 0.50% | 1.8% |
| | | | | | | | | | | | | | | TR417-10-01 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL#4/0 | 370.8 | 64.84 | 0.1% | 0.0% | 0.4% | 0.50% | 1.0% |
| 1 | 417-10 | LBD-417-10 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU#2 | 165 | 1 | AL 750MCM | CU #2 | 133.9 | TR417-10-02 | 4 | 1090.7 | 17.29 | 69.16 | 90 | 1 | AL#4/0 | 345.05 | 64.84 | 0.1% | 0.0% | 0.4% | 0.50% | 1.0% |
| | | | | | | | | | | | | | | TR417-10-03 | 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% |
| 2 | 417-11 | LBD-417-11 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 15.45 | TR417-11-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.3% | 0.0% | 1.2% | 0.50% | 2.1% |
| 2 | 417-12 | LBD-417-12 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 41.2 | TR417-12-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.3% | 0.1% | 1.2% | 0.50% | 2.1% |
| 2 | 417-13 | LBD-417-13 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 72.1 | TR417-13-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.3% | 0.1% | 1.2% | 0.50% | 2.2% |
| 2 | 417-14 | LBD-417-14 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 103 | TR417-14-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.3% | 0.2% | 1.2% | 0.50% | 2.2% |
| 2 | 417-15 | LBD-417-15 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 128.75 | TR417-15-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL#4/0 | 417.15 | 162.1 | 0.3% | 0.2% | 1.2% | 0.50% | 2.3% |
| 2 | 417-16 | LBD-417-16 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 159.65 | TR417-16-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 417.15 | 162.1 | 0.3% | 0.3% | 1.2% | 0.50% | 2.3% |
| 2 | 417-17 | LBD-417-17 | 10 | 172.9 | N/A | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 185.4 | TR417-17-01 | 10 | 1090.7 | 17.29 | 172.9 | N/A | 1 | AL #4/0 | 417.15 | 162.1 | 0.3% | 0.3% | 1.2% | 0.50% | 2.4% |
| 2 | 417-18 | LBD-417-18 | 16 | 276.64 | 400 | 1 | AL 750MCM | CU#2 | 165 | 1 | AL 750MCM | CU #2 | 216.3 | TR417-18-01 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL#4/0 | 319.3 | 129.68 | 0.1% | 0.1% | 0.8% | 0.50% | 1.5% |
| | | | | | | | | | | | | | | TR417-18-02 | 8 | 1090.7 | 17.29 | 138.32 | 175 | 1 | AL #4/0 | 345.05 | 129.68 | 0.1% | 0.1% | 0.8% | 0.50% | 1.6% |
| 2 | 417-19 | LBD-417-19 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU #2 | 365.65 | TR417-19-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL #4/0 | 216.3 | 97.26 | 0.2% | 0.4% | 0.4% | 0.50% | 1.5% |
| | _ | | | | _ | | | | | | | | | TR417-19-02 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 | 242.05 | 97.26 | 0.2% | 0.4% | 0.4% | 0.50% | 1.5% |
| 2 | 417-20 | LBD-417-20 | 12 | 207.48 | 315 | 1 | AL 350MCM | CU#2 | 165 | 1 | AL 350MCM | CU#2 | 422.3 | TR417-20-01 | 6 | 1090.7 | 17.29 | 103.74 | 150 | 1 | AL#4/0 AL#4/0 | 216.3 242.05 | 97.26 97.26 | 0.2% | 0.5% | 0.4% | 0.50% | 1.5% |

ATED FOR PARACTOR IS SCHEDULES & CALCULATIONS PCS-416 THRU 417

| DUREPOWER | DOT | | DUREPOWER | DOT | DO

1795. MW SOLAR GROUND MOUNT SYSTEM ATT DO SYSTEM SIZE: 179,539.50 WW FORE 2027 PC CONTROL OF SYSTEM SIZE: 179,539.50 WW FORE FORE STATES OF SYSTEM SIZE: 1429 SYSTEM SAME FORD OF SYSTEM SYSTEM