|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **LOAD NAME** | **(kVA)** | **(kVA)** | **(kVA)** | **CUSTOMERS** |
| **LD1** | **143** | **88** | **315** | 83 |
| **LD2** | **192.5** | **710.5** | **25** | 118 |
| **LD3** | **694** | **304** | **138** | 81 |
| **LD4** | **123** | **130** | **50** | 19 |
| **LD5** | **1132.5** | **1100** | **1382.5** | 12 |
| **LD6** | **439.8333** | **577.8333** | **884.3333** | 36 |
| **LD7** | **1360.333** | **1125.333** | **1398.333** | 73 |
| **LD8** | **128** | **452** | **131** | 53 |
| **LD9** | **0** | **1458** | **935** | 164 |
| **LD10** | **167** | **734** | **167** | 96 |
| **LD11** | **25** | **163** | **10** | 18 |
| **LD12** | **731** | **0** | **0** | 51 |
| **LD13** | **1235** | **0** | **0** | 0 |
| **LD14** | **378** | **250** | **250** | 13 |
| **LD15** | **348.6667** | **398.6667** | **348.6667** | 8 |
| **LD16** | **305** | **0** | **265** | 30 |
| **LD17** | **80** | **20** | **415** | 18 |
| **LD18** | **0** | **445** | **0** | 19 |
| **LD19** | **120** | **704** | **0** | 60 |
| **LD20** | **160** | **571** | **0** | 44 |
| **LD21** | **271** | **478** | **0** | 62 |
| **LD22** | **207.5** | **30** | **330.5** | 42 |
| **LD23** | **0** | **806** | **1146** | 122 |
| **LD24** | **176** | **201** | **50** | 33 |
| **LD25** | **188** | **229.5** | **294.5** | 61 |
| **LD26** | **214** | **62.5** | **130.7159** | 14 |
| **LD27** | **270** | **772** | **344** | 125 |
| **LD28** | **25** | **50** | **707** | 50 |
| **LD29** | **147.5** | **227** | **508.5** | 54 |
| **LD30** | **0** | **0** | **954** | 98 |
| **LD31** | **1198** | **0** | **0** | 76 |
| **LD32** | **1085** | **0** | **0** | 95 |
| **TOTAL CONN** | **11544.83** | **12087.33** | **11180.05** | **1828** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Section Name** | **Length (ft)** | **App. L** | **Load Center** | **Length Remain** | **Phase Conductor** | **Neutral** | **Spacing** |
| **A** | 3194 | 0.5 | 1597 | 1597 | PEC\_477KCMIL\_AAC | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_Tria\_3P |
| **B** | 307.6 | 0.5 | 153.8 | 153.8 | PEC\_477KCMIL\_AAC | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_Tria\_3P |
| **C** | 3765.2 | 0.5 | 1882.59 | 1882.59 | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_Tria\_3P |
| **D** | 968.8 | 0.4 | 387.52 | 581.28 | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_Tria\_3P |
| **E\_1** | 230 | - | - | - | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_Tria\_3P |
| **E\_2** | 102 | - | - | - | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_Tria\_3P |
| **F** | 2246 | 0.5 | 1123 | 1123 | PEC\_#1/0AWG\_ACSR | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_VERT\_3P |
| **G** | 358 | - | - | - | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_Tria\_3P |
| **H** | 938 | 0.7 | 656.6 | 281.4 | PEC\_#4/0AWG\_AAAC | PEC\_#1/0AWG\_AAAC | PEC\_PEC\_23kV\_Tria\_3P |
| **I** | 1770 | 0.5 | 885 | 885 | PEC\_477KCMIL\_AAC | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_VERT\_3P |
| **J** | 1214 | 0.5 | 607 | 607 | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_VERT\_3P |
| **K** | 3542 | 0.8 | 2833.6 | 708.4 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_3P |
| **L** | 2950 | 0.7 | 2065 | 885 | PEC\_#2AWG\_ACSR | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_VERT\_3P |
| **M** | 1450 | 0.8 | 1160 | 290 | PEC\_#1/0AWG\_ACSR | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_TRIA\_3P |
| **N** | 3965 | 0.8 | 3172 | 793 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_1P |
| **O** | 6381 | 0.9 | 5742.9 | 638.1 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_1P |
| **P** | 2433 | 0.8 | 1946.4 | 486.6 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_3P |
| **Q** | 3516 | 0.9 | 3164.4 | 351.6 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_3P |
| **R** | 1360 | 0.6 | 816 | 544 | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_3P |
| **S** | 3304 | 0.5 | 1652 | 1652 | PEC\_477KCMIL\_AAC | PEC\_#1/0AWG\_ACSR | PEC\_PEC\_23kV\_VERT\_3P |
| **T** | 947 | 0.7 | 662.9 | 284.1 | PEC\_477KCMIL\_AAC | PEC\_#2AWG\_CHD | PEC\_PEC\_23kV\_TRIA\_3P |
| **U** | 3530 | 0.8 | 2824 | 706 | PEC\_477KCMIL\_AAC | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_3P |
| **V** | 824.44 | 0.5 | 412.22 | 412.22 | PEC\_#4AWG\_CHD | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_3P |
| **W** | 4519.2 | 0.5 | 2259.62 | 2259.62 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_HORZ\_3P |
| **X** | 14000 | 0.5 | 7000 | 7000 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_TRIA\_1P |
| **Y** | 3875 | 0.6 | 2325 | 1550 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_HORZ\_3P |
| **Z** | 2760 | 0.4 | 1104 | 1656 | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_HORZ\_3P |
| **AA** | 810 | - | - | - | PEC\_#2AWG\_ACSR | PEC\_#2AWG\_ACSR | PEC\_PEC\_23kV\_HORZ\_3P |
| **BB** | 9084 | 0.7 | 6358.8 | 2725.2 | PEC\_#6AWG\_RD | PEC\_#6AWG\_RD | PEC\_PEC\_23kV\_TRIA\_1P |
| **CC** | 2625 | 0.9 | 2362.5 | 262.5 | PEC\_#2AWG\_ACSR | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_TRIA\_2P |
| **DD** | 4815.1 | 0.5 | 2407.57 | 2407.57 | PEC\_#2AWG\_ACSR | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_HORZ\_2P |
| **EE** | 11856 | 0.8 | 9484.66 | 2371.16 | PEC\_#1/0AWG\_AAAC | PEC\_#1/0AWG\_AAAC | PEC\_PEC\_23kV\_TRIA\_2P |
| **FF** | 419 | - | - | - | PEC\_#2AWG\_ACSR | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_HORZ\_2P |
| **GG** | 3916 | 0.8 | 3132.8 | 783.2 | PEC\_#2AWG\_ACSR | PEC\_#4AWG\_CHD | PEC\_PEC\_23kV\_HORZ\_3P |
| **HH** | 10814 | 0.8 | 8651.58 | 2162.9 | PEC\_#1/0AWG\_AAAC | PEC\_#1/0AWG\_AAAC | PEC\_PEC\_23kV\_TRIA\_1P |
| **II** | 16996 | 0.8 | 13596.8 | 3399.2 | PEC\_#1/0AWG\_AAAC | PEC\_#1/0AWG\_AAAC | PEC\_PEC\_23kV\_TRIA\_1P |