

| POLE SELECTION TABLE - SINGLE ARM - WITH & WITHOUT LUMINAIRE | | | | |
|--|-------------|--------------|--------------|--------------|
| Arm Length | A1 | A2 | A3 | A4 |
| Pole Type | P1 & P2 Lum | P2 & P22 Lum | P3 & P23 Lum | P4 & P24 Lum |

| POLE SELECTION TABLE - DOUBLE ARM - WITHOUT LUMINAIRE | | | | | | | | | | |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Arm Lengths * | A1 - A1 | A2 - A1 | A3 - A1 | A4 - A1 | A2 - A2 | A3 - A2 | A4 - A2 | A3 - A3 | A4 - A3 | A4 - A4 |
| Pole Type | P1 | P2 | P3 | P5 | P3 | P4 | P5 | P5 | P6 | P7 |

* Arm 1 is listed first

| ARM DESIGN TABLE - ALL CASES | | | | | | | | | | | |
|------------------------------|------------|----------|--------|--------|--------|---------------|--------|--------|--------|------------------------|-----------|
| ARM TYPE | ARM LENGTH | MAST ARM | | | | ARM EXTENSION | | | | ARM CONNECTION & WELDS | |
| | | FA(ft) | FB(In) | FC(In) | FD(In) | FE(ft) | FF(In) | FG(In) | FH(In) | FM/SM(In) | FQ/SQ(In) |
| A1 | 36'-0" | 36 | 7.5 | 12.5 | 0.793 | 0 | 0 | 0 | 0 | 0.25 | 0.313 |
| A2 | 46'-0" | 36 | 7.9 | 13 | 0.793 | 12 | 12.38 | 14 | 0.2391 | 0.88 | 0.438 |
| A3 | 60'-0" | 36 | 9.75 | 14.75 | 0.793 | 26 | 14.2 | 17.75 | 0.25 | 0.88 | 0.438 |
| A4 | 70'-6" | 39.5 | 9.25 | 14.88 | 0.793 | 33 | 14.25 | 18.75 | 0.313 | 0.313 | 0.438 |

Arm Camber Angle = 2 degrees.

| POLE, CONNECTION AND SHAFT DESIGN TABLE - SINGLE & DOUBLE ARM | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|-------------------------|---------|---------|---------|---------|---------|---------|-----------------------|------------|------------|------------|------------|------------|------------|------------|--------------------|------------|--------|--------|----|----|
| POLE TYPE | UA(ft) | UC(In) | UD(In) | UE(In) | UG(ft) | UPRIGHT BASE CONNECTION | | | | | | | CONNECTION PLATE DATA | | | | | | | | DRILLED SHAFT DATA | | | | | |
| | | | | | | No. Bolts | BA (In) | BB (In) | BC (In) | BD (In) | BE (In) | BF (In) | HT (In) | FJ/SJ (In) | FK/SK (In) | FL/SL (In) | FN/SN (In) | FO/SO (In) | FP/SP (In) | FR/SR (In) | FS/SS (In) | FT/ST (In) | DA(ft) | DB(ft) | RA | RB |
| P1 | 24 | 13.75 | 17 | 0.2391 | - | 6 | 29 | 2.25 | 1.5 | 0.313 | 0.88 | 36 | 17.5 | 22 | 1.5 | 0.375 | 0.25 | 13.00 | 0.75 | 1.25 | 7.25 | 0.313 | 13 | 4 | 9 | 19 |
| P2 | 24 | 15.75 | 19 | 0.2391 | - | 6 | 33 | 2.25 | 1.75 | 0.313 | 0.88 | 36 | 23.5 | 26 | 2.25 | 0.438 | 0.313 | 15.25 | 1 | 1.625 | 9.75 | 0.313 | 13 | 4 | 9 | 19 |
| P3 | 24 | 17.75 | 21 | 0.313 | - | 6 | 35 | 2.25 | 1.75 | 0.375 | 0.313 | 36 | 26 | 30 | 2.375 | 0.563 | 0.375 | 17.00 | 1.25 | 1.625 | 10.5 | 0.375 | 16 | 4 | 9 | 19 |
| P4 | 24 | 19.75 | 23 | 0.313 | - | 8 | 37 | 2.375 | 1.75 | 0.375 | 0.313 | 36 | 30 | 32 | 2.5 | 0.563 | 0.438 | 18.25 | 1.25 | 1.75 | 12.5 | 0.438 | 19 | 4 | 9 | 19 |
| P5 | 24 | 20.75 | 24 | 0.313 | - | 8 | 38 | 2.25 | 1.75 | 0.375 | 0.313 | 36 | 30 | 33 | 2.75 | 0.563 | 0.438 | 18.75 | 1.25 | 1.75 | 12.5 | 0.438 | 17 | 4.5 | 9 | 23 |
| P6 | 24 | 21.75 | 25 | 0.313 | - | 8 | 39 | 2.25 | 1.75 | 0.375 | 0.313 | 36 | 30 | 34 | 2.375 | 0.625 | 0.375 | 19.25 | 1.25 | 1.75 | 12.5 | 0.375 | 18 | 4.5 | 9 | 23 |
| P7 | 24 | 23.75 | 27 | 0.313 | - | 8 | 41 | 2.25 | 1.75 | 0.375 | 0.313 | 36 | 30 | 36 | 2.5 | 0.625 | 0.375 | 20.75 | 1.25 | 1.75 | 12.5 | 0.375 | 19 | 4.5 | 9 | 23 |
| P21 Lum | 39 | 11.625 | 17 | 0.2391 | 37.5 | 6 | 29 | 2.25 | 1.5 | 0.313 | 0.88 | 36 | 17.5 | 22 | 1.5 | 0.375 | 0.25 | 13.00 | 0.75 | 1.25 | 7.25 | 0.313 | 13 | 4 | 9 | 19 |
| P22 Lum | 39 | 13.625 | 19 | 0.2391 | 37.5 | 6 | 33 | 2.25 | 1.75 | 0.313 | 0.88 | 36 | 23.5 | 26 | 2.25 | 0.438 | 0.313 | 15.25 | 1 | 1.625 | 9.75 | 0.313 | 13 | 4 | 9 | 19 |
| P23 Lum | 39 | 15.625 | 21 | 0.313 | 37.5 | 6 | 35 | 2.25 | 1.75 | 0.375 | 0.313 | 36 | 26 | 30 | 2.375 | 0.563 | 0.375 | 17.00 | 1.25 | 1.625 | 10.5 | 0.375 | 16 | 4 | 9 | 19 |
| P24 Lum | 39 | 17.625 | 23 | 0.313 | 37.5 | 8 | 37 | 2.375 | 1.75 | 0.375 | 0.313 | 36 | 30 | 32 | 2.5 | 0.563 | 0.438 | 18.25 | 1.25 | 1.75 | 12.5 | 0.438 | 19 | 4 | 9 | 19 |

| LUMINAIRE AND LUMINAIRE CONNECTION | | | | | | | | | | |
|------------------------------------|--------|--------|--------|------|--------|--------|--------|--------|--------|--------|
| LA(ft) | LB(ft) | LC(In) | LD(In) | LE | LF(ft) | LG(In) | LH(In) | LJ(In) | LK(In) | UG(ft) |
| 40.0 | 10.0 | 3.0 | 0.25 | 0.50 | 8.0 | 0.375 | 0.625 | 0.250 | 0.88 | 37.5 |

GENERAL NOTE

1. Work this Index with Index No. 17744.

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