



**NOTE: ANCHOR BOLT PATTERNS ARE SUBJECT TO CHANGE. CONSULT FACTORY PRIOR TO CONSTRUCTION.**

|                   |       |
|-------------------|-------|
| PROJECT NAME:     | TYPE: |
| QUOTE / ORDER No: |       |
| APPROVED BY:      | DATE: |

## SPECIFICATIONS

**POLE SHAFT:**  
Pole shaft shall be weldable-grade, cold-rolled, commercial quality carbon steel tubing conforming to ASTM A500 Grade B,

**BASE PLATE:**  
The base plate is fabricated from a structural quality hot rolled carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 36,000 psi. The base plate telescopes the pole shaft and is circumferential welded top and bottom

**BASE COVER:**  
The two-piece ABS plastic full base cover is standard for all 11ga poles painted BL, DB or WH. Steel square two-piece steel full base cover standard on 7ga poles and 11ga painted other than BL, DB or WH.

**ANCHOR BOLTS:**  
Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end in accordance with ASTM A-153.

**HANDHOLE:**  
A reinforced 3"x5" hand hole (2x4" for 3.00" poles) will be installed 18" above the base plate. A hand hole cover with hardware will be included along with grounding provisions.

**POLE TOP:**  
Each pole will be provided with a welded top plate and tenon or top cap for poles receiving drilling for side mount fixtures.

**FINISH:**  
Standard color finishes shall be coated with TGIC polyester powder or hot dip galvanized to ASTM A-123 specifications.

| (RNS) Round Straight Anchor Base<br>CATALOG # | POLE DIMENSIONS |              |             |               |                        | BASE DETAIL |          |             |              |      | 2009 AASHTO - ALLOWABLE MAX EPA <sup>2</sup> & WEIGHT (lbs) |      |         |      |         |      |         |      |         |      |         |      |         |      |     |
|---|-----------------|--------------|-------------|---------------|------------------------|-------------|----------|-------------|--------------|------|---|------|---------|------|---------|------|---------|------|---------|------|---------|------|---------|------|-----|
|   | HGT (FT)        | Base OD (in) | Top OD (in) | Wall Thk (GA) | Structure Weight (lbs) | BASE PLATE  |          |             | ANCHOR BOLTS |      | 90 MPH  |      | 100 MPH |      | 110 MPH |      | 120 MPH |      | 130 MPH |      | 140 MPH |      | 150 MPH |      |     |
|   |                 |              |             |               |                        | SQ (in)     | THK (in) | Bolt Circle | Template     | Ø    | L   | EPA  | WGT     | EPA  | WGT     | EPA  | WGT     | EPA  | WGT     | EPA  | WGT     | EPA  | WGT     | EPA  | WGT |
| RNS-10-30-11                                  | 10              | 3.00         | 3.00        | 11            | 55                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 10.8 | 150     | 8.4  | 150     | 7.8  | 150     | 6.4  | 150     | 5.2  | 150     | 4.3  | 150     | 2.0  | 150 |
| RNS-10-40-11                                  | 10              | 4.00         | 4.00        | 11            | 70                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 20.8 | 150     | 16.6 | 150     | 15.2 | 150     | 12.6 | 150     | 10.4 | 150     | 8.8  | 150     | 6.0  | 150 |
| RNS-10-45-11                                  | 10              | 4.50         | 4.50        | 11            | 75                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 27.0 | 150     | 21.4 | 150     | 20.0 | 150     | 16.4 | 150     | 14.0 | 150     | 12.0 | 150     | 10.0 | 150 |
| RNS-12-30-11                                  | 12              | 3.00         | 3.00        | 11            | 60                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 8.4  | 120     | 6.6  | 120     | 6.0  | 120     | 4.8  | 120     | 3.8  | 120     | 3.0  | 120     | 1.0  | 120 |
| RNS-12-40-11                                  | 12              | 4.00         | 4.00        | 11            | 80                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 16.6 | 150     | 13.0 | 150     | 12.0 | 150     | 9.8  | 150     | 8.0  | 150     | 6.8  | 150     | 4.0  | 150 |
| RNS-12-45-11                                  | 12              | 4.50         | 4.50        | 11            | 85                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 21.8 | 150     | 17.2 | 150     | 15.8 | 150     | 13.0 | 150     | 11.0 | 150     | 9.3  | 150     | 7.0  | 150 |
| RNS-14-30-11                                  | 14              | 3.00         | 3.00        | 11            | 70                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 6.8  | 85      | 5.1  | 85      | 4.6  | 85      | 3.6  | 85      | 2.8  | 85      | 2.0  | 85      | -    | -   |
| RNS-14-40-11                                  | 14              | 4.00         | 4.00        | 11            | 90                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 13.4 | 150     | 10.4 | 150     | 9.6  | 150     | 7.6  | 150     | 6.2  | 150     | 5.1  | 150     | 2.5  | 150 |
| RNS-14-45-11                                  | 14              | 4.50         | 4.50        | 11            | 95                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 17.8 | 150     | 13.8 | 150     | 12.8 | 150     | 10.4 | 150     | 8.6  | 150     | 7.4  | 150     | 5.0  | 150 |
| RNS-16-30-11                                  | 16              | 3.00         | 3.00        | 11            | 80                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 5.4  | 55      | 4.0  | 55      | 3.6  | 55      | 2.7  | 55      | 1.9  | 55      | 1.6  | 55      | -    | -   |
| RNS-16-40-11                                  | 16              | 4.00         | 4.00        | 11            | 100                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 11.0 | 150     | 8.4  | 150     | 7.6  | 150     | 6.0  | 150     | 4.6  | 150     | 3.8  | 150     | 1.5  | 150 |
| RNS-16-45-11                                  | 16              | 4.50         | 4.50        | 11            | 105                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 14.8 | 150     | 11.2 | 150     | 10.4 | 150     | 8.2  | 150     | 6.8  | 150     | 5.8  | 150     | 3.5  | 150 |
| RNS-18-30-11                                  | 18              | 3.00         | 3.00        | 11            | 90                     | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 4.2  | 45      | 2.9  | 45      | 2.6  | 45      | 1.8  | 45      | 1.1  | 45      | -    | -       | -    | -   |
| RNS-18-40-11                                  | 18              | 4.00         | 4.00        | 11            | 110                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 9.0  | 100     | 6.6  | 100     | 6.0  | 100     | 4.5  | 100     | 3.4  | 100     | 2.7  | 100     | 0.5  | 100 |
| RNS-18-45-11                                  | 18              | 4.50         | 4.50        | 11            | 115                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 12.0 | 150     | 9.0  | 150     | 8.2  | 150     | 6.4  | 150     | 5.2  | 150     | 4.4  | 150     | 1.5  | 150 |
| RNS-20-30-11                                  | 20              | 3.00         | 3.00        | 11            | 100                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 3.1  | 55      | 2.0  | 55      | 1.7  | 55      | 1.0  | 55      | -    | -       | -    | -       | -    | -   |
| RNS-20-40-11                                  | 20              | 4.00         | 4.00        | 11            | 120                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 7.2  | 70      | 5.2  | 70      | 4.6  | 70      | 3.3  | 70      | 2.3  | 70      | 1.6  | 70      | -    | -   |
| RNS-20-45-11                                  | 20              | 4.50         | 4.50        | 11            | 130                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 9.8  | 125     | 7.1  | 125     | 6.4  | 125     | 4.8  | 125     | 3.9  | 125     | 3.2  | 125     | 0.5  | 125 |
| RNS-20-50-11                                  | 20              | 5.00         | 5.00        | 11            | 145                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 12.8 | 150     | 9.4  | 150     | 8.8  | 150     | 7.1  | 150     | 5.9  | 150     | 4.9  | 150     | 2.5  | 150 |
| RNS-25-40-11                                  | 25              | 4.00         | 4.00        | 11            | 145                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 3.8  | 40      | 2.3  | 40      | 1.9  | 40      | 0.8  | 40      | -    | -       | -    | -       | -    | -   |
| RNS-25-45-11                                  | 25              | 4.50         | 4.50        | 11            | 155                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 5.7  | 40      | 3.7  | 40      | 3.1  | 40      | 1.9  | 40      | 1.4  | 40      | 1.0  | 40      | -    | -   |
| RNS-25-50-11                                  | 25              | 5.00         | 5.00        | 11            | 180                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 7.6  | 95      | 5.2  | 95      | 4.7  | 95      | 3.7  | 95      | 2.9  | 95      | 2.2  | 95      | -    | -   |
| RNS-25-50-7                                   | 25              | 5.00         | 5.00        | 7             | 260                    | 8.75        | 1.00     | 8.00-9.00   | ABT-085-4    | 1.00 | 36  | 13.4 | 150     | 9.8  | 150     | 9.0  | 150     | 7.4  | 150     | 6.0  | 150     | 5.0  | 150     | 2.0  | 150 |
| RNS-30-45-11                                  | 30              | 4.50         | 4.50        | 11            | 185                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 2.6  | 40      | 1.0  | 40      | -    | -       | -    | -       | -    | -       | -    | -       | -    | -   |
| RNS-30-50-11                                  | 30              | 5.00         | 5.00        | 11            | 210                    | 8.00        | 0.75     | 7.50-8.50   | ABT-080-4    | 0.75 | 17  | 4.0  | 40      | 2.1  | 40      | 1.8  | 40      | 1.2  | 40      | -    | -       | -    | -       | -    | -   |
| RNS-30-50-7                                   | 30              | 5.00         | 5.00        | 7             | 305                    | 8.75        | 1.00     | 8.00-9.00   | ABT-085-4    | 1.00 | 36  | 8.6  | 100     | 5.8  | 100     | 5.2  | 100     | 4.0  | 100     | 3.2  | 100     | 2.4  | 100     | -    | -   |
| RNS-35-50-7                                   | 35              | 5.00         | 5.00        | 7             | 350                    | 8.75        | 1.00     | 8.00-9.00   | ABT-085-4    | 1.00 | 36  | 5.0  | 40      | 2.6  | 40      | 2.2  | 40      | 1.5  | 40      | 1.0  | 40      | -    | -       | -    | -   |

|               |             |   |   |  |  |   |         |
|---------------|-------------|---|---|--|--|---|---------|
| ORDERING CODE | CATALOG No. | BASE                                    | FINISH  | FIXTURE MOUNT  | BASE COVER   | OPTIONS   | OPTIONS |
|               |             | AB-ANCHOR BOLT<br>LAB-LESS ANCHOR BOLTS | DB-DARK BRONZE<br>MB-MEDIUM BRONZE<br>WH-WHITE<br>BL-BLACK<br>LG-LIGHT GRAY<br>SM-SILVER METALLIC<br>SL-SILVER<br>HG-HUNTER GREEN<br>RD-RED<br>G-GALVANIZED<br>GPXX-PAINTED OVER GALV | D19<br>D28<br>D29<br>D32<br>D39<br>D49<br>T20<br>T25<br>T30<br>T35<br>OT<br>TSP-ADVISE<br>TC- TOP CAP ONLY | BC-PLASTIC (STD)<br>BCS-STEEL<br>BCA-ALUMINUM<br>NC-NUT COVERS | XHH-EXTRA HANDHOLE<br>FES-FESTOON (GFI BY OTHERS)<br>DMP-VIBRATION DAMPER<br>CF50-.50" COUPLING<br>CF75-.75" COUPLING<br>CF10-1.00" COUPLING<br>CF20-2.00" COUPLING<br>NF50-.50" NIPPLE<br>NF75-.75" NIPPLE<br>NF10-1.00" NIPPLE<br>MBP-MODIFIED BASE PLATE |         |