

REV	REVISION NOTE	DATE	APPROVED
1	PRELIMINARY RELEASE	24/06/10	M. HERON
2	DRAWING BROKEN INTO 5 SEPARATE DOCUMENTS	20/07/10	M. HERON

GENERAL NOTES

THE SURFACE FOOT IS SECURED TO THE FOUNDATION WITH TWO 3/4"-DIAMETER ANCHOR BOLTS (THREE PLACES). THESE BOLTS ARE 3/4-10 UNC, MADE OF ASTM A36 HOT-ROLLED STEEL. POSITION THE BOLTS AS SHOWN IN THE DIAGRAM OPPOSITE. A TEMPLATE TO ASSIST INSTALLING THE BOLTS WILL BE PROVIDED.

ALLOW PROPER CONCRETE/CEM ANCHOR CURE TIME BEFORE FULL TORQUE (100 FT-LBF) IS APPLIED TO ANCHOR BOLTS. NO ATTEMPT SHOULD BE MADE TO ERECT THE ANTENNA WITHOUT ALLOWING PROPER CURE TIME FOR THE CONCRETE.

REMOVE SUPPORT BLOCKS AFTER CONCRETE/CEM ANCHOR HAS BEEN POURED AND SET.

FOUNDATION CONSTRUCTION NOTES

1. USE PROVIDED SPACER TEMPLATES TO ASSIST BOLT ALIGNMENT.
2. PROPER ELECTRICAL GROUNDING SHALL BE PROVIDED BY THE INSTALLING CONTRACTOR TO MEET LOCAL APPLICABLE CODES. THIS MAY TAKE THE FORM OF BURIED GRID OR A SUITABLE COPPER STAKE, DEPENDING ON LOCAL SOIL CONDITIONS. THE MOUNT SHALL BE ELECTRICALLY CONNECTED TO GROUND.
3. PROVISIONS MUST BE MADE TO PROVIDE SUITABLE SUPPORT POWER, RF AND CONTROL CABLES EITHER BY BURIED CONDUIT OR OVERHEAD RACEWAY. IF CONDUIT IS SUPPLIED IT SHALL BE AT LEAST THREE INCHES DIAMETER.
4. LIGHTNING ARRESTORS MUST BE PROVIDED ACROSS ALL CABLES LEAVING ANTENNA PER APPLICABLE LOCAL CODES AND N.F.P.A. CODES.
5. AREAS (6 X 12) FOR MOUNTING FEET SHOULD BE FLAT WITHIN 1/16 INCH AND LEVEL WITH RESPECT TO ONE ANOTHER WITHIN 1/4 INCH.
6. USE NO NUTS UNDER FEET. FOOT MUST REST FLUSH ON CONCRETE PAD. USE ONE WASHER AND ONE NUT PER ANCHOR BOLT TO SECURE FOOT TO PAD.

NOTES

1. MINIMUM SAFE SOIL-BEARING CAPACITY IS 3000PSF.
2. STRUCTURAL STEEL SHALL BE ASTM-A-36.
3. FOOTING IS DESIGNED TO SAFELY SUPPORT A MODEL 8345 4.5-METER ANTENNA ATTACHED DIRECTLY TO THE PAD IN A 110 MPH STEADY WIND.

