

NOTICE: ALL PARTS ARE TO BE INVENTORIED AND ANY SHORTAGES REPORTED WITHIN 48 HOURS OF DELIVERY. SHORTAGES REPORTED AFTER THIS TIME PERIOD WILL BE CHARGED TO THE CONTRACTOR. CALL 800/369-6690 ASK FOR THE CONTRACTS DEPARTMENT

DRAWING LIST

MONOPOLE ERECTION	07-11301-MM
MONOPOLE FOUNDATION(S)	07-11301-F1
MONOPOLE FABRICATION	07-11301-01
MOUNTS: TRI-COLLAR 12" - 54"	C10112
12' T-Arm 5' Stand-Off	C10113022
BILL OF MATERIALS	BOM-1

BOLT INSTALLATION DETAILS

- INSTALLATION OF BOLTS: BOLTS FOR TOWERS AND ANTENNAS SHALL BE INSTALLED WITH THE NUTS FACING TO THE OUTSIDE AND/OR TO THE TOP OF THE TOWER, UNLESS PROHIBITED BY LACK OF CLEARANCE.
- TIGHTENING OF BOLTS: (BASED ON SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS).
 - SHEAR/BEARING CONNECTIONS: BOLTS IN CONNECTIONS NOT SUBJECT TO TENSION LOADS (SUCH AS BRACING BOLTS AND MOST ANTENNA MOUNT BOLTS) SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES, BUT NEED ONLY BE TIGHTENED TO THE SNUG TIGHT CONDITION. THE SNUG TIGHT CONDITION IS DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PILES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.
 - DIRECT TENSION CONNECTIONS: CONNECTIONS SUBJECT TO DIRECT TENSION (SUCH AS LEG SPLICE BOLTS) SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY THE TURN-OF-NUT TIGHTENING METHOD. TURN-OF-NUT TIGHTENING METHOD: BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHT CONDITION (DEFINED ABOVE). FOLLOWING THIS INITIAL OPERATION, ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE FOLLOWING AMOUNT OF ROTATION.
 - FOR BOLT LENGTH UP TO AND INCLUDING 4 DIAMETERS: 1/3 TURN
 - FOR BOLT LENGTH OVER 4 DIAMETERS BUT LESS THAN 8 DIAMETERS: 1/2 TURN
 - FOR BOLT LENGTH OVER 8 DIAMETERS BUT NOT EXCEEDING 12 DIAMETERS: 2/3 TURN
- NUT LOCKING DEVICES: ALL NUTS SHALL BE EQUIPPED WITH SOME TYPE OF NUT LOCKING DEVICE. SEE THE INDIVIDUAL DRAWINGS FOR THE TYPE OF NUT LOCKING DEVICE TO BE USED FOR EACH INDIVIDUAL APPLICATION.



SPRINT
Kapowsin, VA
VA0852
150.00 MONOPOLE

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