

INSTALLATION INSTRUCTIONS

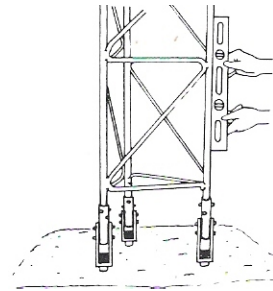
FOR

BASE SECTION

OF

FREESTANDING ALUMINUM TOWER

1. SECURE A SUITABLE LOCATION FOR THE BASE OF THE TOWER TO BE PLACED. AN IDEAL LOCATION IS ONE THAT HAS ENOUGH FLAT LAND ADJACENT TO THE BASE FOR PRE-ASSEMBLY OF THE TOWER HORIZONTALLY ON THE GROUND. IT IS ALSO NECESSARY TO AVOID ANY OVERHEAD OBSTACLES WHICH MAY PREVENT THE TOWER FROM BEING ROTATED INTO ITS FINAL VERTICAL POSITION.
2. DIG AN APPROPRIATE SIZED HOLE ACCORDING TO 'BASE FOOTING' SCHEDULE.
3. ATTACH THE BOTTOM 10' SECTION OF TOWER TO THE STEEL BASE AND LOWER IT INTO THE HOLE. FILL REMAINDER OF HOLE WITH CONCRETE. BE SURE THAT ALL THREE BASE LEGS ARE PARALEL AS CONCRETE IS POURED.
4. WHILE CONCRETE IS SETTING UP LEVEL THE BOTTOM SECTION OF TOWER WITH A CARPENTERS LEVEL. PROPER LEVELING AT THIS POINT IS VERY IMPORTANT IN ORDER TO GUARANTEE A COMPLETELY PLUMB TOWER. A MINOR MISTAKE AT THIS STAGE WILL BECOME MAJOR ISSUE LATER.
5. ALLOW 3 TO 4 DAYS FOR CONCRETE TO SET UP.

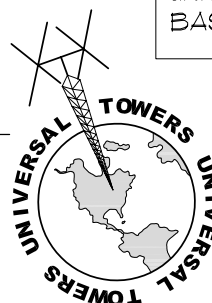


BASE FOOTINGS		
BASE SECTION	REQUIRED HOLE SIZE	ESTIMATED AMOUNT OF CONCRETE NEEDED
B-14	28"x28"x48"	½ CU. YARD
B-18	36"x36"x48"	½ CU. YARDS
B-22	48"x48"x48"	2 CU. YARDS
B-26	54"x54"x60"	4 CU. YARDS
B-30	60"x60"x72"	6 CU. YARDS

CAUTION:
 ALUMINUM TOWER SECTIONS SHOULD NEVER BE DIRECTLY IN CONCRETE! CORROSIVE EFFECTS OF CEMENT WILL DESTROY ALUMINUM TOWER SECTIONS. USE ONLY UNIVERSAL BASES AS SHOWN. TOWER SECTIONS ALSO REQUIRE DRAINAGE TO MINIMIZE THE POSSIBILITY OF FREEZING AND SPLITTING. UNIVERSAL BASES ALLOW THE TOWER TO DRAIN PROPERLY AND ALLEVIATE THE POSSIBILITY OF DAMAGE. USE OF A UNIVERSAL TOWER WITHOUT THE PROPER BASE VOIDS ALL WARRANTIES.

INSTRUCTIONS

BASE INSTALLATION



UNIVERSAL TOWERS
 A DIVISION OF
 UNIVERSAL MANUFACTURING CORP.
 43900 GROESBECK HWY.
 CLINTON TOWNSHIP, MI 48036
 PH: (586) 463-2560
 FAX: (586) 463-2964

JOB NO.:

COMPONENT:

I-B