FREESTANDING ALUMINUM TOWER
MODEL #15-40

TOTAL WEIGHT: 111 LBS.

WIND LOADING:

80 mph  15.0 Sq. Ft.
100 mph  10.0 Sq. Ft.
110 mph  7.0 Sq. Ft.

Contact Universal Towers to confirm geographical location of your tower and all wind load implications.

WARRANTY
UNIVERSAL TOWERS ARE WARRANTED AGAINST DEFECTIVE MATERIAL OR WORKMANSHIP AND ARE SUBJECT TO REPAIR OR TO MATERIAL REPLACEMENT ONLY IF FAILURE RESULTS FROM THESE FACTORS WITHIN ONE YEAR FROM PURCHASE BY USER.
THIS WARRANTY DOES NOT EXTEND TO ANY OF OUR PRODUCTS WHICH HAVE BEEN SUBJECTED TO MISUSE, NEGLECT, ACCIDENT, IMPROPER INSTALLATION OR APPLICATION, NOR SHALL IT EXTEND TO UNITS WHICH HAVE BEEN REPAIRED OR SUBSTANTIALLY ALTERED OUTSIDE OF OUR FACTORY. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.
1\(\frac{1}{2}\)" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

\(\frac{3}{8}\)" DIA. ALUMINUM BARS - BENT AS SHOWN - \(\frac{1}{2}\)"R. MIN.

1"x0.065 WALL ALUMINUM TUBE

SWAGE 3" OF BOTTOM ENDS OF ALL THREE TUBES AND INSERT A 9" LONG SECTION OF ALUM. TUBE 0.85" DIA. 0.035" WALL FOR CONNECTION TO ADJACENT TOWER SECTION OR BASE

ELEVATION SCALE: 1/2"=1'-0"

PLAN VIEW SCALE: 1/2"=1'-0"

TOP SECTION
1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

1½" DIA. ALUMINUM BARS - BENT AS SHOWN - 1½" R. MIN.

1½"x0.083 WALL ALUMINUM TUBE

SWAGE 3.26" OF BOTTOM ENDS OF ALL THREE TUBES AND INSERT A 9" LONG SECTION OF ALUM. TUBE 1" DIA. 0.065" WALL FOR CONNECTION TO ADJACENT TOWER SECTION OR BASE

ELEVATION
SCALE: 1/2"=1'-0"

PLAN VIEW
SCALE: 1/2"=1'-0"
½" DIA. ALUMINUM BARS - BENT AS SHOWN - ½" R. MIN.

1⅛"x1.300" I.D. ALUMINUM TUBE

SWAGE 3.26" OF BOTTOM ENDS OF ALL THREE TUBES AND INSERT A 9" LONG SECTION OF ALUM. TUBE 1.25" DIA. 0.083" WALL FOR CONNECTION TO ADJACENT TOWER SECTION OR BASE

6 EQUAL SPACES AT 18" EACH = 9'-0"

1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

1½'-5"

1½'-6"

5"
1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

½" DIA. ALUMINUM BARS - BENT AS SHOWN - ⅛" R. MIN.

1¾" x 1.300" I.D. ALUMINUM TUBE

SWAGE 3.26" OF BOTTOM ENDS OF ALL THREE TUBES AND INSERT A 9" LONG SECTION OF ALUM. TUBE 1.25" DIA. 0.083" WALL FOR CONNECTION TO ADJACENT TOWER SECTION OR BASE

ISOMETRIC
SCALE: N.T.S.

ELEVATION
SCALE: 1/2"=1'-0"

PLAN VIEW
SCALE: 1/2"=1'-0"
BASE FOOTING

HINGED CONNECTION ASSEMBLY - REFER TO ENLARGED DETAIL BELOW

1/2" x 1/2" x 10" L ANCHORAGE

1/2" T.S. 0.10" WALL - 48" LONG

OUTLINE OF CONCRETE FOOTING

PLAN VIEW
SCALE: 1/2" = 1'-0"

ISOMETRIC
SCALE: N.T.S.

ELEVATION
SCALE: 1/2" = 1'-0"

SEE ENLARGED DETAIL - THIS SHEET

1 1/4" x 1.300" I.D. STEEL TUBE

TWO (2) 3/4" THRU-HOLES PERPENDICULAR TO EACH OTHER

TWO (2) 3/8" GRADE 5 BOLTS

1/2" x 1/4" x 10" PLATE

10" PLATE

NOTE: FOUNDATIONS ARE DESIGNED FOR FIRM BEARING SOIL.

UNIVERSAL TOWERS
A DIVISION OF UNIVERSAL MANUFACTURING CORP.
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JOB NO.: 
COMPONENT: B-22