FREESTANDING ALUMINUM TOWER
MODEL #12-40

TOTAL WEIGHT: 106 LBS.

WIND LOADING:

80 mph       12.0Sq. Ft.
100 mph       8.0 Sq. Ft.
110 mph       5.5 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 SUBJECT 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.

ELEVATION
SCALE: 3/16"=1'=0"

ISOMETRIC
SCALE: N.T.S.

UNIVERSAL TOWERS
A DIVISION OF
UNIVERSAL MANUFACTURING CORP.
43900 GROSSBECK HWY.
CLINTON TOWNSHIP, MI 48038
PH: (586) 463-2560
FAX: (586) 463-2964

UNIVERSAL TOWERS

JOE NO.: 12-40
COMPONENT: 1
1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

1¼" C.C. WEBS

1½" O.O. WEBS

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

1" X 0.065 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: ½"=1'-0"

PLAN VIEW
SCALE: ½"=1'-0"

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

[Diagrams of elevation, plan view, and isometric views of a tower structure]

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

1/4" x 0.083 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

ISOMETRIC
SCALE: N.T.S.

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

PLAN VIEW
SCALE: 1/2"=1'-0"
1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

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

1¼"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"
1\frac{1}{2}" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

3\frac{3}{4}" CC

1\frac{1}{2}" MIN.

10'-0"

1'-5"

1'-6"

1'-8\frac{3}{4}"

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

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

1\frac{3}{8}" 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\frac{1}{2}"=1'-0"

PLAN VIEW
SCALE: 1\frac{1}{2}"=1'-0"

TAPERED SECTION

UNIVERSAL TOWERS
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43900 GROSEBECK HWY.
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FAX: (586) 463-2964

JOB NO.: 22-TAPR

COMPONENT: