FREESTANDING ALUMINUM TOWER
MODEL #4-80

TOTAL WEIGHT: 247 LBS.

WIND LOADING:

80 mph  4.0 Sq. Ft.
100 mph  0.5 Sq. Ft.

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

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: 3/32"=1'=0"

ISOMETRIC
SCALE: N.T.S.

ALUMINUM TOWER

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

JOB NO.: 4-80

COMPONENT:
TAPER

6 EQUAL SPACES AT 18" EACH = 7'-6"

1'-1/4" MIN.

1'-1/4" ARGON GAS 'MIG' WELD (TYP.)

3/8" DIA. ALUMINUM BARS - BENT AS SHOWN - 11/2" 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

ISOMETRIC
SCALE: N.T.S.

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

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

TOP SECTION

UNIVERSAL TOWERS
A Division of
UNIVERSAL MANUFACTURING CORP.
43900 GROSEBECK HWY.
CLINTON TOWNSHIP, MI 48036
PH: (586) 463-2560
FAX: (586) 463-2964

JOB NO.: 14-TOP

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

3½" DIA. ALUMINUM BARS - BENT AS SHOWN - 1½" 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

ISOMETRIC
SCALE: N.T.S.

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

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

3/4" DIA. ALUMINUM BARS - BENT AS SHOWN - 1 1/2" R. MIN.

1 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"

TAPERED SECTION

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

JOB NO.: 18-TAPR

COMPONENT:
1½" MIN. LENGTH ARGON GAS ‘MIG’ WELD (TYP.)

1½" DIA. ALUMINUM BARS - BENT AS SHOWN - 1½" 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"
1/2" DIA. ALUMINUM BARS - BENT AS SHOWN - 1/2" R. MIN.

1/3" 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

1/2" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

6 EQUAL SPACES AT 18" EACH = 9'-0"
1/2" DIA. ALUMINUM BARS - BENT AS SHOWN - 1 1/2" R. MIN.

1 3/4" 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

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

1/2" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

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

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

STRAIGHT SECTION

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

JOB NO.: 
COMPONENT: 22-STRT
1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

¾" DIA. ALUMINUM BARS - BENT AS SHOWN - 1½" R. MIN.

1¾"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

TAPERED SECTION

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

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

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

COMPONENT: 26-TAPR

JOB NO.:
1½" MIN. LENGTH ARGON GAS "MIG" WELD (TYP.)

2×6¼"

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

1½" MIN. ALUMINUM TUBE

1½"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

1/6" DIA. ALUMINUM BARS - BENT AS SHOWN - 1/2" R. MIN.

STRAIGHT SECTION

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

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

ISOMETRIC
SCALE: N.T.S.

UNIVERSAL TOWERS
A DIVISION OF UNIVERSAL MANUFACTURING CORP.
43900 GROSEBECK HWY.
CLINTON TOWNSHIP, MI 48036
PH: (586) 463-2360
FAX: (586) 463-2964

JOB NO.: 26-STRT

COMPONENT:
BASE FOOTING

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

ISOMETRIC
SCALE: N.T.S.

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

NOTE: FOUNDATIONS ARE DESIGNED FOR FIRM BEARING SOIL.