FREESTANDING ALUMINUM TOWER
MODEL #HD 16-60

TOTAL WEIGHT: 237 LBS.

WIND LOADING:
16.37 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.

ELEVATION
SCALE: 1/8"=1'=0"

ISOMETRIC
SCALE: N.T.S.

UNIVERSAL TOWERS
H. K. BAECHTOLD CORPORATION
FLANKERS MANUFACTURING CORP.
43800 GROESBECK HWY.,
CLINTON TOWNSHIP, MI 48036
PH: (586) 463-2560
FAX: (586) 463-2064

JOB NO.: 
COMPONENT: 
ALUMINUM TOWER HD 16-60
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

3/8" DIA. ALUMINUM
BARS - BENT AS
SHOWN - 1-1/2" R. MIN.

1"x0.065 WALL ALUMINUM
TUBE

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

3/8" 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

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

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

TAPERED SECTION

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

JOB NO.: 18-TAPR

COMPONENT:

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

1 ½" MAG. ALUMINUM BARS - BENT AS SHOWN - 1 ½" R. MIN.

1 ½" 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

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

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

TAPERED SECTION

UNIVERSAL TOWERS
A DIVISION OF UNIVERSAL MANUFACTURING CORP.
43900 GROEBECK HWY.
CLINTON TOWNSHIP, MI 48036
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COMPONENT:
22-TAPR

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

1½" 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.

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

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

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

2'-0¾"

9/16" DIA. ALUMINUM BARS - BENT AS SHOWN - 1/2" R. MIN.

1⅛" 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"
1/8" DIA. ALUMINUM BARS - BENT AS SHOWN - 1/4"R. MIN.

1.708"x1.300" I.D. ALUMINUM TUBE

SWAGE 4/5 OF BOTTOM ENDS OF ALL THREE TUBES 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"

2'-4"

1'-6"

1'-0"

2'-03/4"

1'-6" TAPER

2'-4" C.C.

2'-4" O.C. WEBBING

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

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

TAPERED SECTION

ISOMETRIC
SCALE: N.T.S.

UNIVERSAL TOWERS
30-TAPR

UNIVERSAL MANUFACTURING CORP.
43900 GROSEBECK HWY.
CLINTON TOWNSHIP, MI 48036
PH: (586) 463-2560
FAX: (586) 463-2964
HINGED CONNECTION ASSEMBLY - REFER TO ENLARGED DETAIL BELOW

2" x 2" x 3/4" L ANCHORAGE

2" T.S. 0.10" WALL - 72" LONG

OUTLINE OF CONCRETE FOOTING

SEE ENLARGED DETAIL - THIS SHEET

THREE (3) 3/8" THRU-HOLES PERPENDICULAR TO EACH OTHER

TWO (2) 1/2" GRD. 8 BOLTS

NOTE: FOUNDATIONS ARE DESIGNED FOR FIRM BEARING SOIL.