FREESTANDING ALUMINUM TOWER
MODEL #HD 35-40

TOTAL WEIGHT: 178 LBS.

WIND LOADING:
34.50 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
A DIVISION OF
UNIVERSAL MANUFACTURING CORP.
43800 GROESBECK HWY.
CLINTON TOWNSHIP, MI 48036
PH: (586) 463-2560
FAX: (586) 463-2964

ALUMINUM TOWER

JOB NO.: COMPONENT: HD 35-40
1½" MIN. LENGTH ARGON GAS 'MIG' WELD (TYP.)

1½" DIA. ALUMINUM BARS - BENT AS SHOWN - ½" T.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: ½"=1'-0"

PLAN VIEW
SCALE: ½"=1'-0"

TOP SECTION
\[ \frac{1}{2} \text{ DIA. ALUMINUM BARS - BENT AS SHOWN - 1\frac{1}{2}'' R. MIN.} \]

\[ \frac{1}{3}'' \text{ x } 1.300'' \text{ I.D. ALUMINUM TUBE} \]

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. ISOMETRIC
   SCALE: N.T.S.

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

3. PLAN VIEW
   SCALE: 1/2''=1'-0''

TAPERED SECTION

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43900 GROSEBECK HWY.
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JOB NO.: 22-TAPR

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

½" DIA. ALUMINUM BARS - BENT AS SHOWN - 1½" 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. .083" WALL FOR CONNECTION TO ADJACENT TOWER SECTION OR BASE

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

PLAN VIEW
SCALE: 1/2"=1'-0"
HINGED CONNECTION ASSEMBLY - REFER TO ENLARGED DETAIL BELOW

2"x2"x3/4" 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) 3/4" GRD.
8 BOLTS

NOTE: FOUNDATIONS ARE DESIGNED FOR FIRM BEARING SOIL.