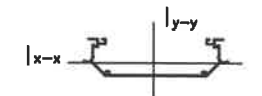


905 American Rd

REVISED

Notes:

- Engineering Data:
The Neutral Axis For The Large "A" Frame Is Shown Below. Cross Sectional Area (A) Is 2.138 In². Moments Of Inertia About The Neutral Axis Are I_{y-y} = 2.533 In⁴ And I_{x-x} = 36.860 In⁴.

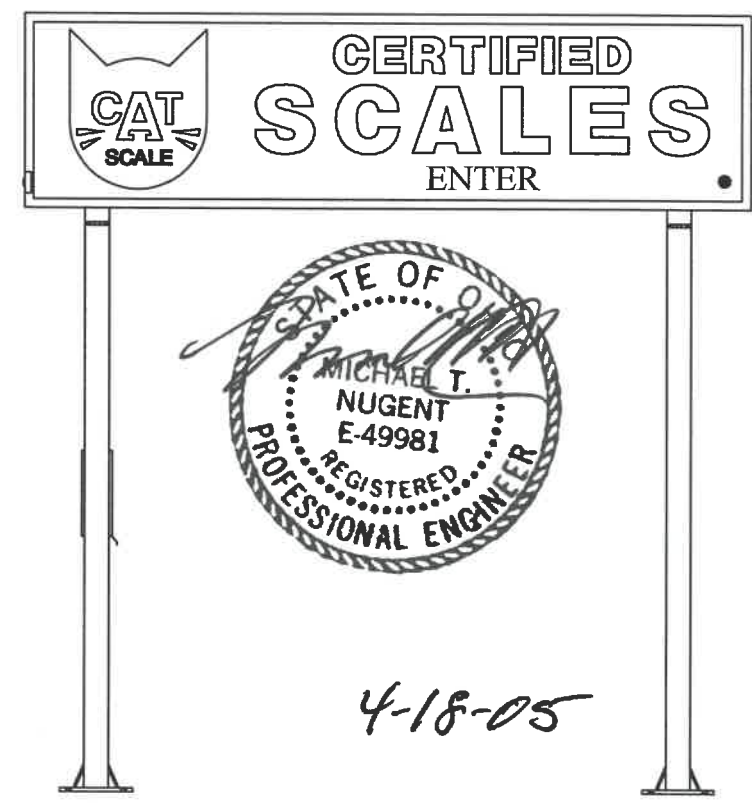
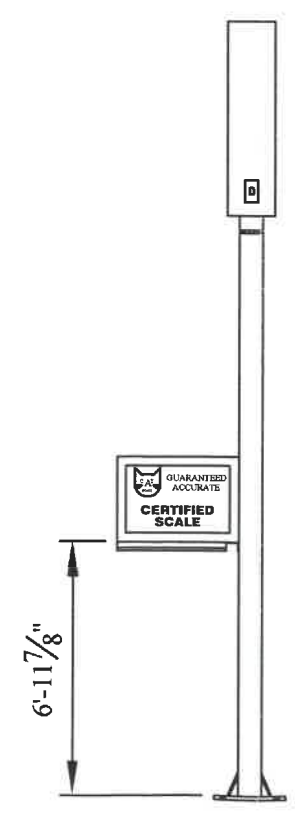
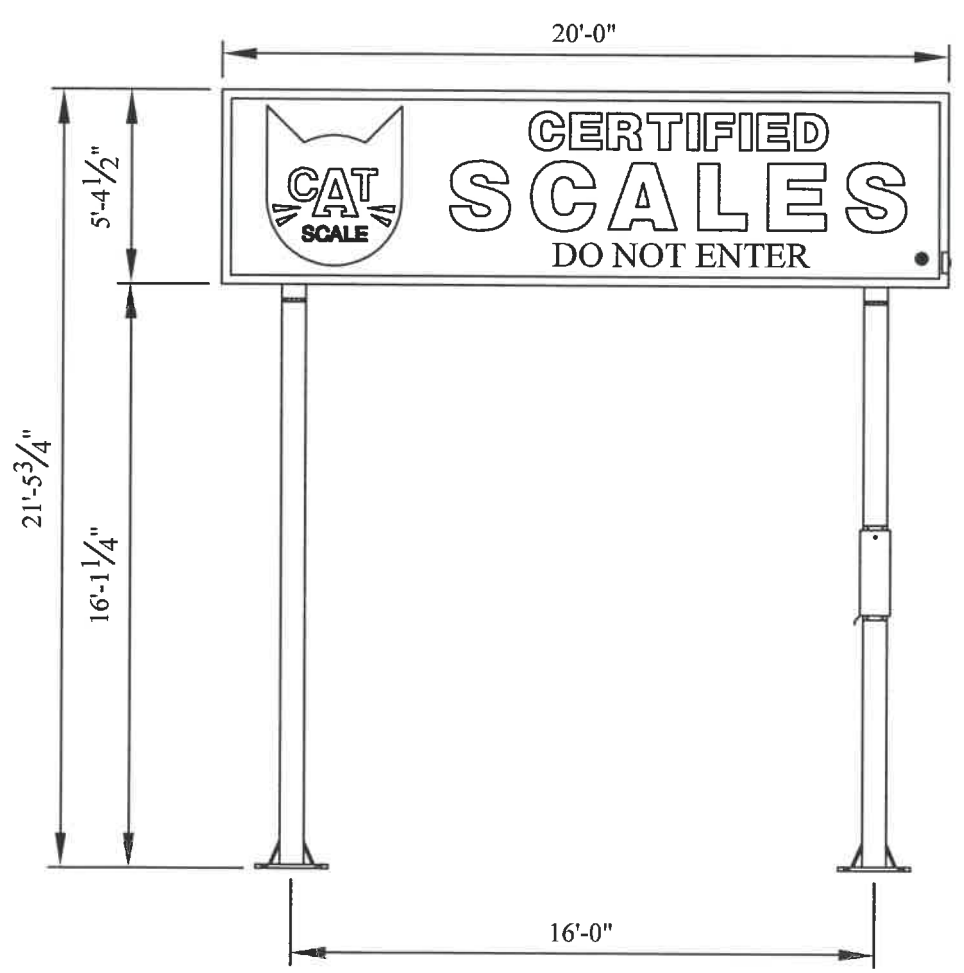


- Material Is Aluminum 6063 alloy, T6 Temper.
- All CABinets And Poles To Be Surfaced Cleaned And Etched In Preparation For Painting.
 - Finish Paint Color To Be Per Customer Specifications.

- Information Needed To Figure Section Modulus:
Centroid Height: 18.50 Feet.
Signage Area: 107.5 Square Feet.
Wind Load: 30 Pound Wind Load.
Section Modulus: 11.93

The Following Is How The Section Modulus Is Figured:
 L = Length Of Sign (Feet)
 W = Width Of Sign (Feet)
 F = Force (Pounds Or Kilo pounds)
 H = Height From Grade To The Center Of Force (Feet)
 BM = Bending Moment (Foot-Pounds Or Foot Kilo pounds)
 S = Section Modulus (Cubic Inches)
 P = Design Wind Pressure (Pounds Per Square Foot)
 Fs = Design Unit Stress (Pounds Per Square Inch Or Kilo pounds Per Square Inch)
 Fs = 26670 P.S.I. Or 26.67 K.S.I.

- All The Internal Square Tube Is Securely Welded To The Steel Angle That Is Bolted To The Aluminum Frame. The Steel Angle Is Bolted To The Frame By Using 1/2"-13 X1" Bolts, Flat Washers And Nuts.
- The Sign Is Bolted To Each Pole With (4) 5/8"-11 X 2" Bolts With Flat Washers.
- Electrical Requirements Are As Follows:
Trademark Sign
(5) ASB-0620-24-BL Advance Ballasts Or Equivalent, 2.5 Amps Per Ballast. (Total Of 12.5 Amps.)
(20) T12F60 CWHO Fluorescent Lamps.
Speaker Sign
(1) ASB-0620-24-BL Advance Ballasts Or Equivalent, 2.5 Amps Per Ballast.
(3) T12F36 CWHO Fluorescent Lamps.
- All Steel Welding Is To Be With E7018 Rod Or Equivalent.



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 DESIGNED BY: G.L. WAGLAND, INC. 1/9/97

EAGLE SIGN & ADVERTISING CO.
 5130 PARK AVENUE
 DES MOINES, IA 50321
 (515) 243-5663



CAT SCALE COMPANY
 North Point Travel Center
 Napoleon, OH
 80 MILE PER HOUR WINDS

DRAWING NO. 799010R1
 PROJECT & LOCATION

SHEET

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