

Accutrack™

A fully integrated, sign estimating, engineering and business control software

Accutrack™ - Control Your Engineering

Accutrack™ is a full integrated suite of software powered by the most accurate, comprehensive and flexible estimating and engineering system ever created for the full-service electrical sign manufacturer. Choose between one or more modules to create accurate estimates, engineer foundations, create sales proposals, track job costs, monitor production, and more - all developed specifically for the electric sign industry.

Accutrack™ Engineering Module

The Engineering Module sets the standard for software that engineers columns, bases and foundations for free-standing electrical sign installations. It's a stand-alone program that provides fast and accurate engineering for the variety of custom signs you build. Using a simple Microsoft Windows interface, quickly print out all the specifications necessary for installing free-standing signs that comply with the Uniform Building Code and ASCE guidelines. This process, once tedious, is now easy - even for inexperienced estimators.

- **Section Modulus / Perimeter Bending Force Calculator**

The Section Modulus of a pipe is the value of resistance to bending force at the foundation. Use this feature to determine what size of pipe or square tube is required, whether you're using new or used steel. Simply enter the centroid, area, number of columns and wind pressure to get a readout of the size of pipe or tube required.

- **Average Centroid Height for Multiple Cabinets**

The easiest way to find the average centroid height of multiple cabinet signs - just enter the sign area and height of each section to instantly get the average centroid height.

- **Anchor Bolt / Base Plate Engineering**

Use this function to calculate the thickness and dimensions of base plates and plate-to-plate connections. With a few clicks of your mouse, determine diameter and length, vertical embedding, and all other specifications for anchor bolts in just seconds

- **Foundation Calculator**

Choose the soil condition and the type of foundation (circular, square, rectangular or spread) to quickly determine the exact footing details (depth, width, length or diameter), for each column, including amount of concrete and rebar requirements.

- **Engineering Charts**

The Accutrack™ help system is loaded with charts on structural grade steel, anchor bolt washer detail, base plate to column connections with gussets, soil type classifications, rebar cage diagrams and more! Simply print these charts and diagrams to enhance your sales presentations.

The screenshot shows the 'Section Modulus / Perimeter Bending Force' calculator. The input fields are: Centroid Ht. (5), Sign Area (200), Number of Support Columns (2), Wind Pressure (15), and Perimeter of Sign (50). The 'RESULTS' section displays: Sign Area: 200,000 sq ft; Number of Support Columns: 2; Wind Pressure: 15,000 lbs/sq ft; Centroid Height: 5,000 ft; Steel type: new; Sign Perimeter: 50,000 ft; Section Modulus: 3,000 per column; Perimeter Bending Force: 60,000 lbs/ft; and Schedule 40 pipe (in inches ROUND): 4,000 each column OR 4,000 inch Steel SQUARE Tube (0.250 inch wall), each column. A red callout box says: 'Quickly determine the correct pipe or tube sizes required for your sign projects'.

The screenshot shows the 'Spread Foundation' calculator. The input fields are: Centroid Height (2), Sign Area (200), Number of Support Columns (2), Wind Pressure (12), Base Length (8), Ratio of Width to Length (50), and Estimated Sign Weight (600). The 'RESULTS' section displays: Centroid Height: 2,000 ft; Sign Area: 200,000 sq ft; Number of Support Columns: 2; Steel type: used; Wind Pressure: 12,000 lbs/sq ft; Section Modulus: 1,083 per column; Schedule 40 pipe (in inches ROUND): 3,000 each column OR 2,500 inch Steel SQUARE Tube (0.187 inch wall), each column; Base Length: 8,000 ft; Ratio of Width to Length: 50.00 %; Lateral Bearing Soil Pressure: 200; Vert. Bearing Soil Pressure: 2000; Sign Weight: 600,000 lbs; Column Weight: 80,000 lbs/each; Footing Depth in feet: 1,500 each column; Footing width/diameter(ft): 4,000 per column; Footing length/diameter(ft): 8,000 per column; and Concrete Yards: 1.778 yards per column x 2 = 3.556 yards total. A red callout box says: 'Accutrack provides the easiest way to calculate all types of foundations'.

The screenshot shows the 'Pipe-Anchor Bolt-Base Plate Engineering' calculator. The input fields are: Centroid Height (10), Sign Area (100), Number of Support Columns (1), Wind Pressure (15), Desired Bolt Diameter (1), Number of Anchor Bolts per Side (2), and Anchor Bolt Spacing (8). The 'RESULTS' section displays: Centroid Height: 10,000 ft; Sign Area: 100,000 sq ft; Number of Support Columns: 1; Steel type: new; Wind Pressure: 15,000 lbs/sq ft; Section Modulus: 6,000 per column; Schedule 40 pipe (in inches ROUND): 6,000 each column OR 5,000 inch Steel SQUARE Tube (0.250 inch wall), each column; Number of Anchor Bolts per Side: 2; Requested Bolt Diameter: 1; Accepted Bolt diameter(in.): 1.00; Vertical Embedment Length to Bend: 21.91; Minimum inside bend radius: 4.00; Bend/Horizontal length (in.): 4.00; Length of thread: 3.75; Total Length: 36.73; and Base plate minimum length: 11.50. A red callout box says: 'All specifications generated comply with the Uniform Building Code'.

For more information, call toll free: 800-248-9889

Or visit our website at:

www.abcsignproducts.com

