

DC-150-8X4 INSTALLATION OVERVIEW

This manual will walk you through the installation of the scoreboard. While care has been taken to consider the many scenarios for installation, some general information applies to all. Use this guide as closely as possible to ensure proper installation, as follows:

1. Review the product specifications below to determine your specific installation hardware.
2. Determine the scoreboard's location and orientation.
3. Install the mounting poles/I Beams (supplied by the customer).
4. Mount the scoreboard to the poles/I Beams (**mounting hardware supplied by customer**).
5. Install the control cable for cable-controlled systems (**not necessary for Wireless Remote Control systems**).
6. Install the electrical service for the scoreboard and the controller.
7. Install any options, such as sponsor panels or protective nets, according to the installation instructions included with each option package.
8. Test the installed system.

PRODUCT SPECIFICATIONS

Overall Dimensions:

4' - ft x 8' - shipped in one (1) section

Weight:

Hanging weight = approximately 180bs
Shipping weight = approximately 240 lbs.

Mounting Recommendations:

(2) 8" steel I-beams (W8 x 31) **OR** (2) 8" OD galvanized steel poles (schedule 40); total length determined by local codes, customer preferred mounting height, and scoreboard options.

Power Requirements:

Scoreboard:

(1) 120-volt, 20-amp, 60 Hz grounded AC circuit connected to a power disconnect switch or circuit breaker (refer to the wiring diagram on page 9 for instructions on determining the scoreboard's power requirements – specific power requirement information is also marked on the scoreboard's serial number label, located on the scoreboard)

Hand held controller:

Will be powered through the communication cables from the scoreboard terminated at the connection at the wall cover plate.

Cable Recommendations (for cable-controlled systems only):

Four conductor cable – 28 gauge, twisted pair (two pairs), shielded data cable

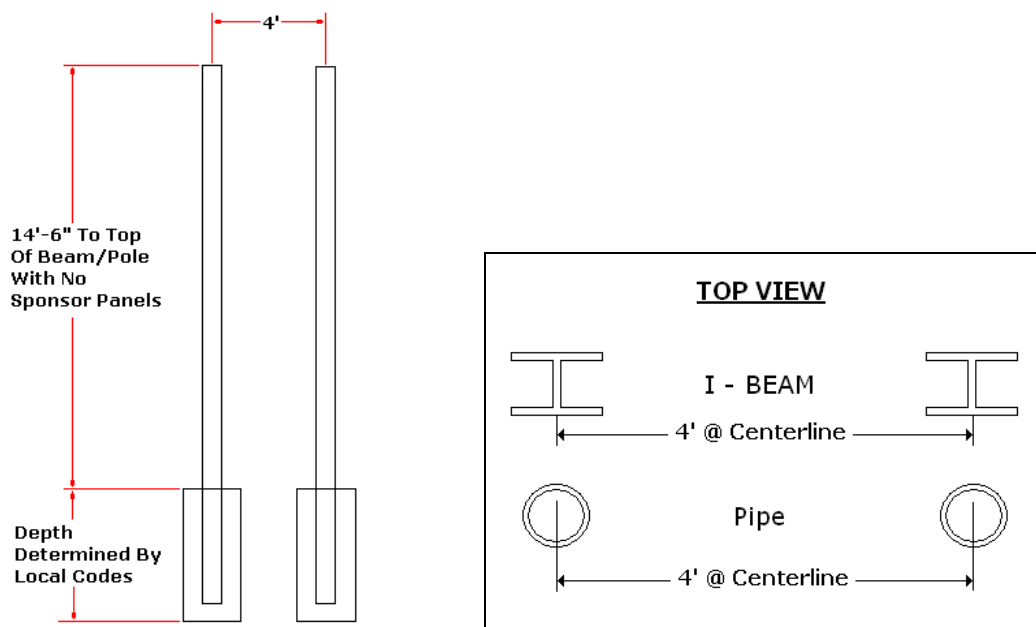
DETERMINING LOCATION AND ORIENTATION

The scoreboard should be positioned so that the greatest number of spectators can easily view it. Also, consider the best orientation of the scoreboard should the system be used to score a daytime or afternoon game. The scoreboard should be positioned so that sunlight does not glare off of its face. In the U.S., placement on the South or West side of the field is recommended. Consult with the local building or zoning department before final determination and installing the scoreboard.

INSTALLING MOUNTING POLES OR I-BEAMS

NOTE: The following information for installing the mounting poles/beams are suggestions only. Local codes, field placement, scoreboard options, customer preference, and other special considerations will determine the specifics of your installation, including footer specifications, above ground height, and total length of the poles/I-beams.

1. Install the two (2) mounting poles/I-beams (supplied by the customer) on the field with 4' center spacing and with 14'-6" of pole/I-beam above ground (refer to the figures below).



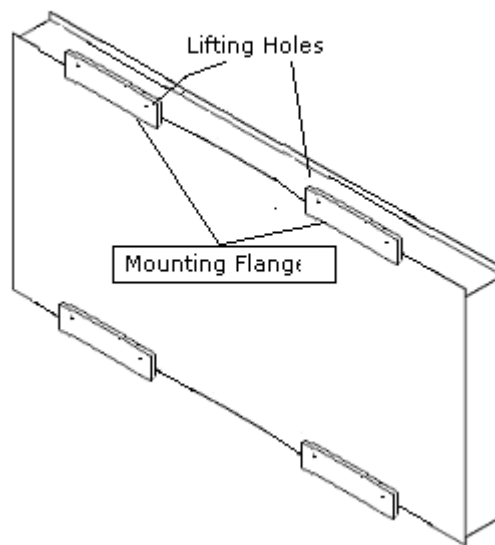
2. The poles/I-beams must be set into concrete footers. Make sure the poles are level and plumb and spaced on 4' centers. The mounting faces of I-beams must be straight with each other. If the face of an I-beam is turned, shims will be needed to mount the scoreboard. The required dimensions for the footers vary depending on local building codes, soil & weather conditions, and scoreboard size. Consult with local building officials for the required pole sizes and footer construction regarding this installation. A local architect, structural engineer, or sign installer may also be a source of assistance.

IMPORTANT: DO NOT MOUNT THE SCOREBOARD TO A WALL. A MINIMUM OF 18” – 24” CLEARANCE MUST BE MAINTAINED FOR ACCESS TO THE BACK OF THE SCOREBOARD CABINET. CONTROL MODULE, POWER, AND SIGNAL CABLE CONNECTIONS ARE ACCESSED ON THE BACK OF THE SCOREBOARD.

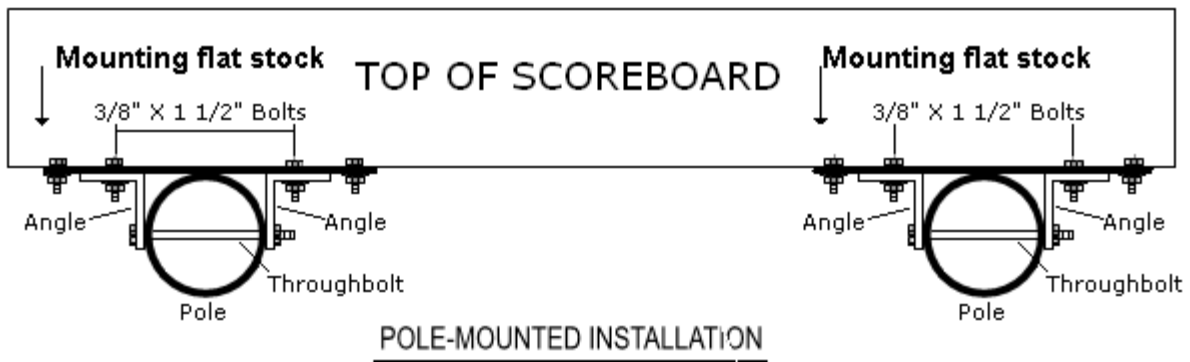
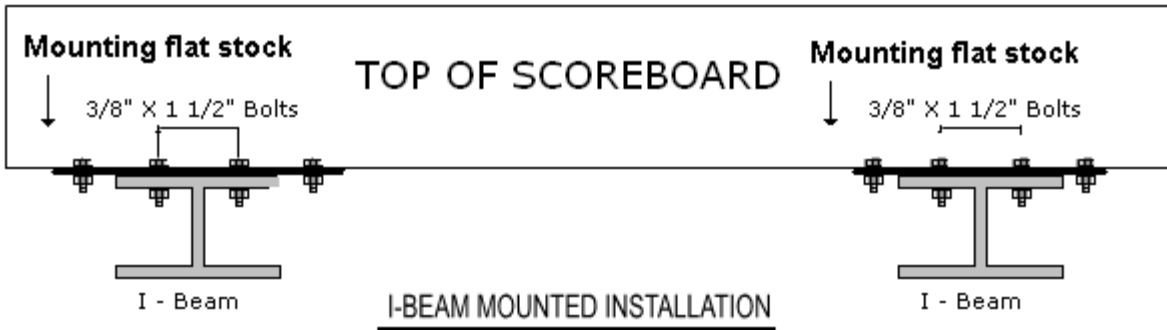
MOUNTING THE SCOREBOARD

NOTE: IF THE POLES/I-BEAMS ARE NOT IN ALIGNMENT --- SHIMS MAY BE NEEDED TO MOUNT THE SCOREBOARD PROPERLY. MOUNTING THE SCOREBOARD WITH THE POLES/I-BEAMS OUT OF ALIGNMENT MAY DAMAGE THE SCOREBOARD AND VOID THE WARRANTY.

1. Using the lift holes provided, connect a lift device to the scoreboard, as in the image below.



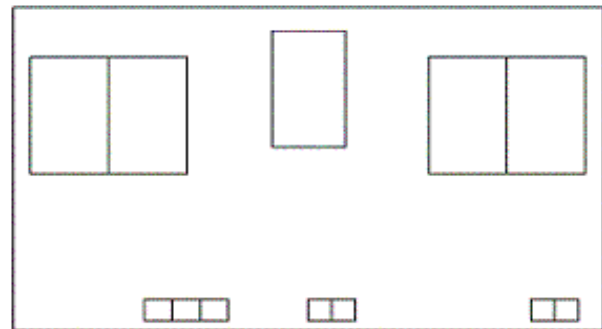
2. Lift the scoreboard into place to the desired height, ensuring that the scoreboard is level.
3. Secure the scoreboard to the poles/beams using the mounting flanges attached to the scoreboard. The unit must be attached to each pole/beam on top **and** bottom.
4. If using steel I-beams, either weld the mounting flanges to the supports, or drill the mounting flanges and supports to use bolts, washers, and nuts to secure the scoreboard to the I-beams.
5. If galvanized steel poles are being used, weld or bolt steel angles to the mounting flanges, which can then be welded to or bolted *through* the pole. Refer to the figure on the next page for detailed illustrations of these suggested mounting methods.



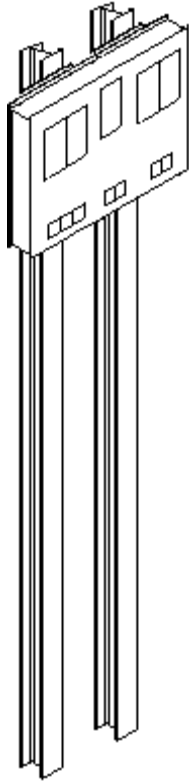
Mounting flat stock

NOTE: MOUNTING HARDWARE SUPPLIED BY CUSTOMER

Scoreboard Dimensions:
 4' tall x 8' wide x 8.0" depth



Front View: Mounted



Rear View: Mounted

