INSTALLATION INSTRUCTIONS
DC-150-PITCH-W-HOME-GUEST

The scoreboard and all accompanying accessories have been carefully inspected and tested before leaving the factory. However, it is possible for damage to have occurred during shipping so we ask that you inspect all shipping containers upon arrival for damage and ensure that you have all of the parts listed below. If you find that damage has occurred during shipping: **DO NOT refuse the shipment, follow the instructions below for filing a freight damage claim, and notify the manufacturer immediately.**

THE SCOREBOARD SYSTEM SHOULD INCLUDE THE FOLLOWING PARTS:

ITEMS IN LARGE PACKAGE(S)
- (1) 5' x 3' scoreboard; shipped in one section
- (2) Flat stock Mounting Brackets, 2.5" X 48" X 5/16"

ITEMS IN ACCESSORY BAG
- (1) Keyboard controller with keypad inserts
- (1) 12-volt DC wall transformer

Cable-controlled systems (standard):
- (1) 20-ft. 4-conductor twited pair, shielded, control cable

Wireless systems (optional):
- (1) Wireless radios built into LCD keyboard controller and into Pitch Count Display

INSTRUCTIONS FOR REPORTING SHIPPING DAMAGE

Shipping damage must be noted at the time of delivery. Consignee must note "Damaged" on the Delivery Receipt. Please make notations of the type of damage to the freight and to the packaging. Ask the delivery driver to call the local terminal to report the freight damage immediately. The shipper is not responsible for the shipments that are not signed for as damaged upon arrival. Please contact the manufacturer immediately to report the damage. The shipper is responsible for filing the claim, unless shipped 3RD Party.

If damage is discovered after delivery, call the delivery company to report the concealed damage and please call the manufacturer immediately to report the damage. Concealed damage must be reported within 5 days after delivery date. If the damages are found after this time, the manufacturer will not be responsible for damage.

INSTALLATION OVERVIEW

This manual will walk you through the installation of the pitch counter. 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:

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

PRODUCT SPECIFICATIONS

Overall Dimensions:
5.0' width x 3.0' height x 8" depth - shipped in one (1) section

Weight:
Hanging weight = approximately 90 lbs Shipping weight = approximately 130 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 pitch count options.

Power Requirements:
Pitch Counter: (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 5 for detailed instructions on determining the pitch counter's power requirements – specific power requirement information is also marked on the pitch counter's serial number label, located on the pitch counter)

Keyboard Controller: (1) 120-volt, 15-amp, 60 Hz grounded AC circuit in a standard duplex outlet (optional if an internal battery pack was purchased with the controller) **Cable**

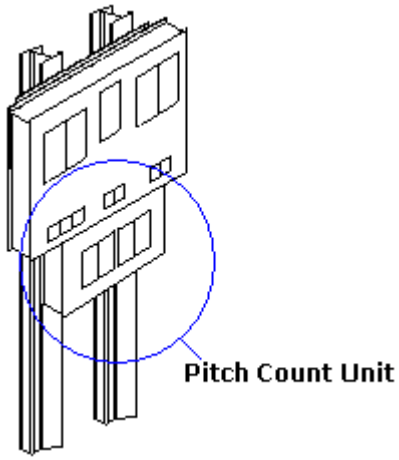
Recommendations (for cable-controlled systems only): Four conductor cable – 28 gauge, twisted pair (two pairs), shielded data cable.

DETERMINING LOCATION AND ORIENTATION

NOTE: The pitch count display should be positioned so that the greatest number of spectators can easily view it. Also, consider the best orientation of the pitch counter should the system be used to score a daytime or afternoon game. The pitch counter 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 pitch counter.

INSTALLING THE PITCH COUNT DISPLAY

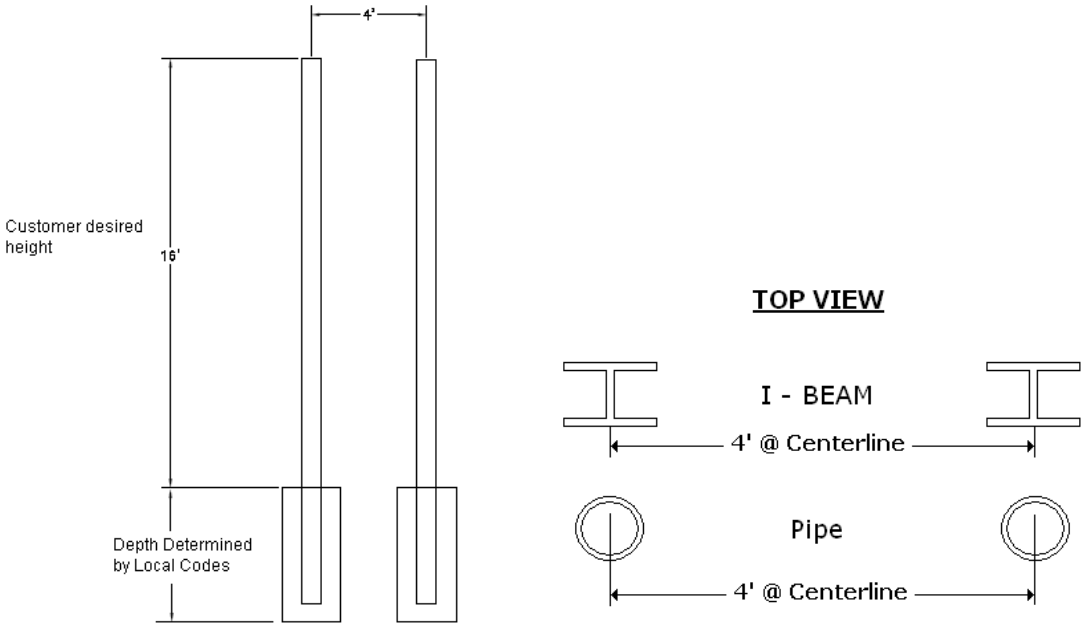
The pitch count display may be installed to an existing scoreboard's I-beams or poles as an add on unit. Both the scoreboard and the pitch count display will be operated by the same controller. If the pitch count display cannot be installed within 20 feet of the scoreboard it will be necessary to supply a length of 4-conductor, shielded, cable that exceeds the 20' piece provided. This cable is used to connect the pitch count display to the scoreboard's communication hardware. (If purchased as a wireless unit, cable connections are not necessary).
Below is an image showing the installation below an existing scoreboard.



INSTALLING MOUNTING POLES OR I-BEAMS

NOTE: The following information for installing the mounting poles/beams are suggestions only. Local codes, field placement, 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.

- Install the two (2) mounting poles/I-beams (supplied by the customer) on the field with a 4' center spacing (refer to the figures below).



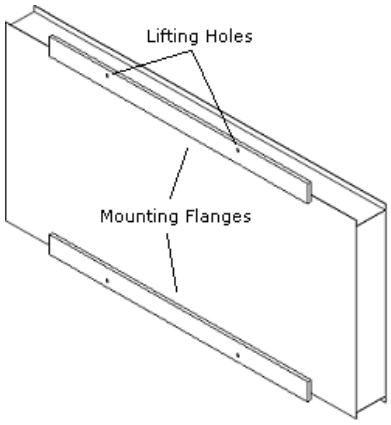
- The poles/I-beams must be set into concrete footers. Make sure the poles are level and plumb and spaced on 4' centers. The mounting faces of I-beams must be straight with each other. If the face of an I- beam is turned, shims will be needed to mount the pitch counter. The required dimensions for the footers vary depending on local building codes, soil & weather conditions, and pitch counter 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 PITCH COUNTER TO A WALL. A MINIMUM OF 18" – 24" CLEARANCE MUST BE MAINTAINED FOR ACCESS TO THE BACK OF THE PITCH COUNTER CABINET. CONTROL MODULE, POWER, AND SIGNAL CABLE CONNECTIONS ARE ACCESSED ON THE BACK OF THE PITCH COUNTER.

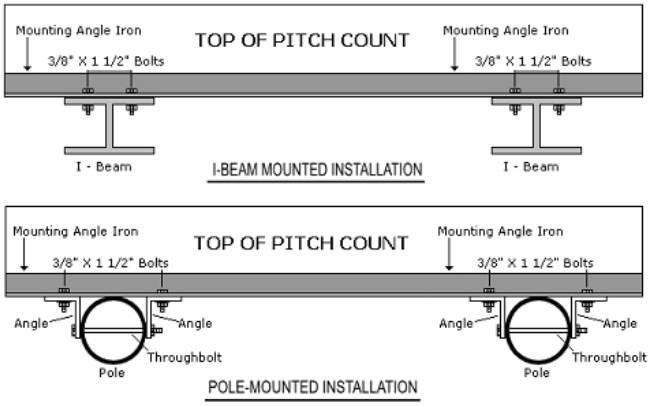
MOUNTING THE PITCH COUNTER

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

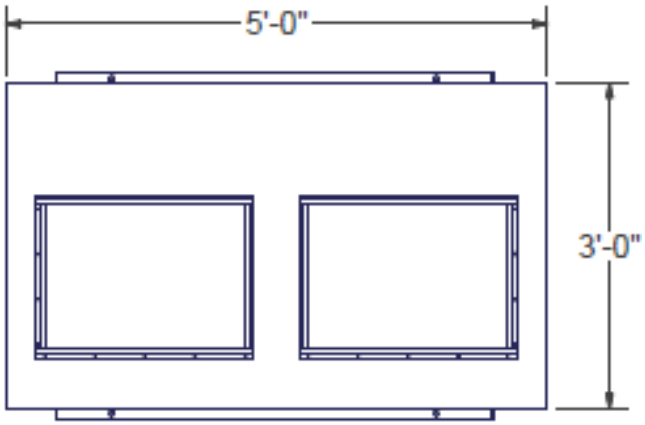
- Using the lift holes provided, connect a lift device to the pitch counter, as in the image below.

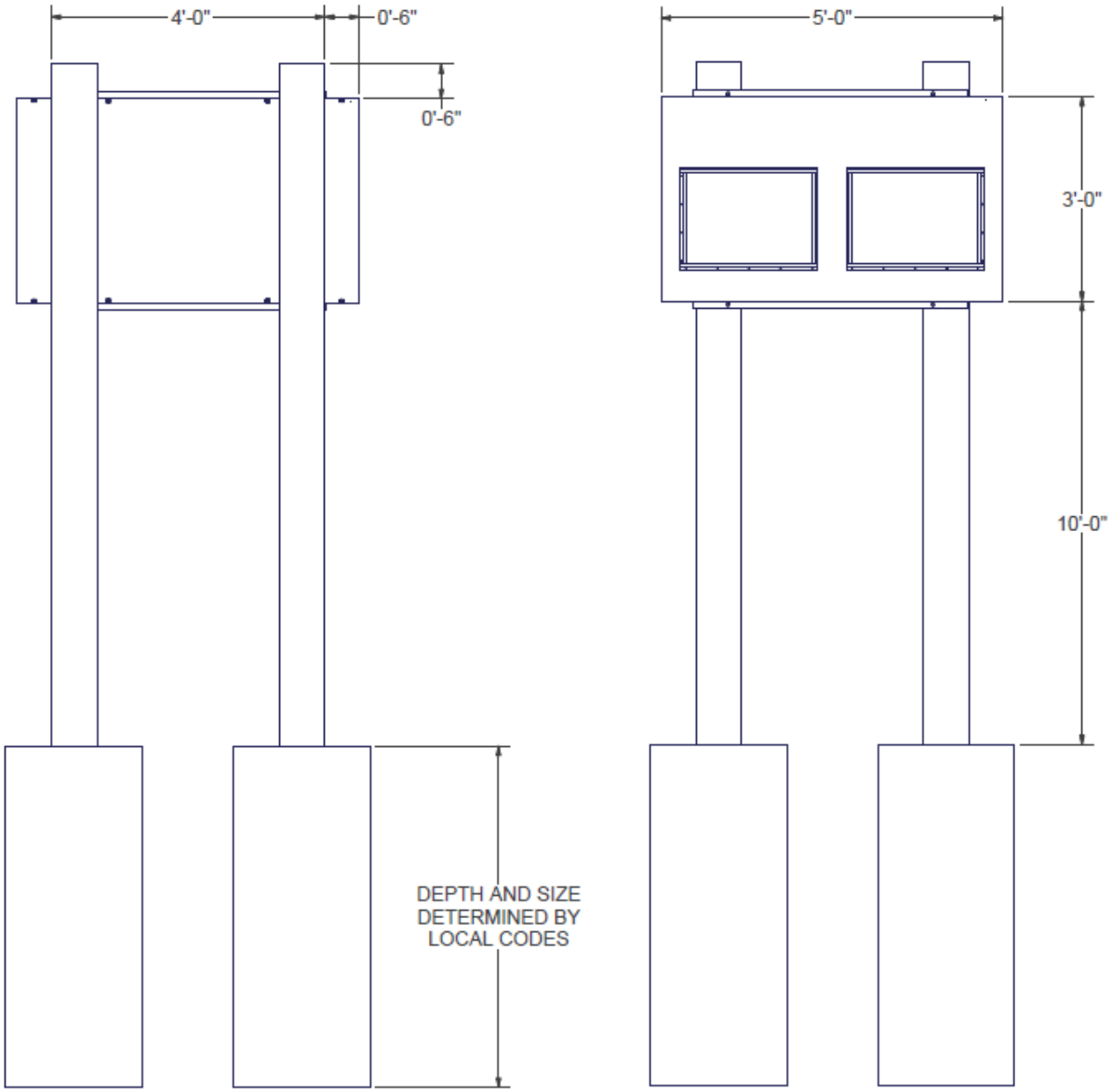


- Lift the pitch counter into place to the desired height, ensuring that the pitch counter is level.
- Secure the pitch counter to the poles/beams using the mounting flanges attached to the pitch counter. The unit must be attached to each pole/beam on top ***and*** bottom.
- If using steel I-beams, either weld the mounting flanges to the supports, or drill the mounting flanges and supports to use bolts, washers, and nuts to secure the pitch counter to the I-beams.
- 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 below for detailed illustrations of these suggested mounting methods.



NOTE: MOUNTING HARDWARE SUPPLIED BY THE CUSTOMER




4'-0"
0'-6"
0'-6"
5'-0"
3'-0"
10'-0"
DEPTH AND SIZE
DETERMINED BY
LOCAL CODES