



## CITY OF TORRINGTON

**PURCHASING DEPARTMENT**  
140 Main Street, Room 206  
Torrington, CT 06790

**Pennie Zucco, Purchasing Agent**  
Phone: (860)-489-2225  
Fax (860)-489-2547  
Email: pennie\_zucco@torringtonct.org

December 12, 2022

Mayor Elinor Carbone  
Members of the City Council

### **RE: RFP FSR-032-113022 FUESSENICH PARK SCOREBOARD REPLACEMENT**

The City of Torrington received one (1) proposal for the replacement of the Fuessenich Park Scoreboard.

After review of the proposal and reference checks, it is the recommendation from Bill Mayers Public Works Superintendent and the Purchasing Agent to have City Council authorize the Mayor to award the replacement of the Fuessenich Park Scoreboard project to Northeast Scoreboards, LLC, Moodus, CT in the amount of \$39,440.00 and to have the Mayor act on the behalf of the City regarding the execution of the contract and its administration.

Funding of this project is through Program Expenditures and Park Improvement Major accounts.

Thank you for your consideration on this matter.

Pennie Zucco  
Purchasing Agent

cc: B. Mayers; R. Drew



City of Torrington

Bid Name Firssench Park Scoreboard Replacement Bid Number RFP FSR-032-113022  
Date of Opening Nov. 30, 2022 Time of Opening 11:00am

VENDOR	BID BOND	NON-COLLUSION	BID AMOUNT	ADDENDUM
Northeast Scoreboards P.O. Box 302 Middletown, CT 06449	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$29,440.00	

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## **Pennie Zucco**

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**From:** Bill Mayers  
**Sent:** Thursday, December 1, 2022 4:14 PM  
**To:** Pennie Zucco; Jamie Sykora  
**Cc:** Ray Drew  
**Subject:** RE: RFP FSR-032-113022 FUESSENICH PARK SCOREBOARD REPLACEMENT

Hi Pennie,

It is my recommendation that we award RFP # FSR-032-113022 FUESSENICH PARK SCOREBOARD REPLACEMENT to Northeast Scoreboards.

Respectfully,

Bill Mayers  
Torrington Public Works Superintendent

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**From:** Pennie Zucco <Pennie\_Zucco@torringtonct.org>  
**Sent:** Wednesday, November 30, 2022 11:23 AM  
**To:** Bill Mayers <Bill\_Mayers@torringtonct.org>; Jamie Sykora <Jamie\_Sykora@torringtonct.org>  
**Cc:** Ray Drew <Ray\_Drew@torringtonct.org>  
**Subject:** RFP FSR-032-113022 FUESSENICH PARK SCOREBOARD REPLACEMENT

Attached is the tally sheet and bid submitted for the Scoreboard for Fuessenich Park –

**unfortunately the vendor did not include any information regarding the product he would be providing for this project**

Pennie Zucco  
Purchasing Agent  
City of Torrington  
140 Main Street  
Torrington, CT 06790  
860-489-2225  
860-489-2547 (fax)  
[pennie\\_zucco@torringtonct.org](mailto:pennie_zucco@torringtonct.org)





**CITY OF TORRINGTON**  
**REQUEST FOR PROPOSAL**

**RFP # FSR-032-113022 FUESSENICH PARK SCOREBOARD REPLACEMENT**

**Bid opening: November 30, 2022 Time: 11:00 AM Location: City Hall, 140 Main St., Room 206, Torrington, CT**

Bid Bond or Certified Check required with bid: **5%**

Performance Bond required if awarded bid: "see instruction to bidders"

**MUST SUBMIT AN ORIGINAL AND TWO (2) COPIES.**

The City of Torrington reserves the right to accept or reject any or all bids or any portion thereof, to waive technicalities, and to award the contract as will best serve the public interest.

Omit State and Federal Taxes.

All prices must be F.O.B.: Destination (Torrington) unless otherwise requested.

Dated in Torrington: **November 7, 2022**

Purchasing Agent \_\_\_\_\_  
Pennie Zucco

Item	Price
SUPPLY AND INSTALLATION OF NEW BASEBALL SCOREBOARD AND DISPOSAL OF OLD SCOREBOARD AT FUESSENICH PARK PER SPECIFICATIONS	**SEE PROPOSAL FORM**
ETA of delivery and installation of new Scoreboard and disposal of old scoreboard per specifications	**SEE PROPOSAL FORM**

The Purchasing Agent is authorized to offer City based bidders that exceed the lowest bid by up to 6%, the opportunity to match the lowest bid. A City based bidder within the 6% differential who agrees to accept the amount of the lowest bid will be awarded the bid. When multiple City based bidders agree to accept the amount of the low bid then the City based bidders will be invited to submit a new bid, not to exceed the low bid. The bid will then be awarded to the lowest responsive, responsible bidder.

Bidder: Northeast Scoreboards  
Address: PO Box 302 114 East Haddam Colchester Tpk, Moodus, CT 06469  
(Signed By) [Signature] Title: President  
Name (please print) Brian Kurzee Date: 11-29-2022  
Phone: 860-790-0282 Fax: \_\_\_\_\_ E-Mail: Northeast Scoreboards@gmail.com  
Federal Tax Identification Number: (FEIN) 20-2481841  
Comments: \_\_\_\_\_

NON-COLLUSION AFFIDAVIT

STATE OF Connecticut COUNTY OF Litchfield

I, Brian Barzee, being first duly sworn, deposes and says that:

1. I am President of Northeast Scoreboards LLC, the bidder that has submitted the attached request for proposal for FSR-032-113022;
2. I am fully informed respecting the preparation and contents of the attached RFP and of all pertinent circumstances respecting such bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the work for which the attached Bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the price of any Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Torrington or any person interested in the proposed Bid; and
5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Printed) Brian Barzee  
(Signed) [Signature]  
(Title) president

Subscribed and sworn to before this 30 day of November, 2022

Diane Woodruff

Notary Public Printed

[Signature]  
Notary Public Signature

My commission expires 1-31-2026



**APPENDIX A**  
**RFP# FSR-032-113022**  
**FUESSENICH PARK SCOREBOARD REPLACEMENT**

**THE UNDERSIGNED AFFIRMS AND DECLARES** that this Bid is executed with full knowledge and acceptance of the specifications, requirements, terms and conditions contained herein and with complete understanding and full compliance of system requirements and hereby submits this Bid for the request contained herein and certifies that this Bid meets all the specifications and conditions requested herein. Any substitutions to the specifications requested are clearly and completely noted.

Having received the specifications prepared by the City the undersigned hereby submits the following Unit Price to supply a new Scoreboard, hardware, installation and removal/disposal of old unit outlined in the specifications, and attests that this bid meets all the specifications and conditions stated in this Invitation to Bid.:

**PROPOSED PRICE FOR ONE (1) SCOREBOARD, ALL HARDWARE, INSTALLATION, REMOVAL OF OLD UNIT DELIVERED TO FUESSENICH PARK BALLFIELD, 33 COE PLACE, TORRINGTON, CT 06790:**

\$ 39,440.00

Thirty Nine thousand Four Hundred Forty — 10 cents

(PROVIDE PRICE IN WRITING)

**ETA DELIVERY/INSTALLATION TO TORRINGTON FUESSENICH PARK BALLFIELD, 33 COE PLACE, TORRINGTON, CT 06790:**

**ADDENDA**

The following Addenda have been received. The modifications to the Bid Documents noted therein have been considered and all costs thereto are included in the Base Bid.

Addenda # All Addendas Have Been Received

Bidder: Northeast Scoreboards

Address: PO Box 302 Moodus, CT 06469

(Signed By) [Signature] Title: President

Name (please print) Brian Barzel Date: 11-29-2022

Phone: 860-790-0282 Fax: \_\_\_\_\_ E-Mail: northeastscoreboards@gmail.com

Federal Tax Identification Number: (FEIN) 20-2481841

Comments: lead time is 22 weeks + installation will begin when the scoreboard arrives. 2 days to install.

# **APPENDIX B** **RFP# FSR-032-113022 FUESSENICH PARK SCOREBOARD REPLACEMENT** **REFERENCES**

List references for similar equipment provided for at least three (3) clients in the past five (5) years. **Please note is it the City's intent to communicate with the references listed herein.**

Bidder: Northeast Scoreboards.  
 Address: PO Box 302 Moodus, CT. 06469

\*\*\*\*\*  
 Organization Name: Torrington High School Phone: 860-489-2285  
 Contact Name: Michael McKenna Email: \_\_\_\_\_  
 Product Provided: Basketball and Football Scoreboards

Project(s): \_\_\_\_\_  
 \*\*\*\*\*  
 Organization Name: City of Waterbury Phone: \_\_\_\_\_  
municipal stadium  
 Contact Name: Unknown Email: \_\_\_\_\_  
 Product Provided: Baseball Scoreboard

Project(s): Part of a construction Project.  
 \*\*\*\*\*  
 Organization Name: Terryville High School Phone: 860-314-2777  
 Contact Name: Jim Mazon Email: mazonj@plymouth.k12.ct.us  
 Product Provided: soccer, Baseball, softball, Basketball scoreboards.

Project(s): \_\_\_\_\_  
 \*\*\*\*\*  
 Organization Name: Central CT. University Phone: 860-637-4379  
 Contact Name: Joe Connell Email: connellj@CCSU.edu  
 Product Provided: Baseball, softball, soccer, Football, Basketball scoreboards

Project(s): \_\_\_\_\_  
 \*\*\*\*\*  
 Organization Name: Naugatuck High School Phone: 203-720-5425  
 Contact Name: Brian Mariano Email: \_\_\_\_\_  
 Product Provided: softball, Football, Basketball scoreboards  
 Project(s): \_\_\_\_\_



Green 8750  
White Border Striping + Captions

FUESSENICH PARK													
AT BAT	BALL			STRIKE			OUT			H/E			
41	2			1			1			H8			
DAKTRONICS	1	2	3	4	5	6	7	8	9	10	RUNS	HITS	ERR
BEARS	1	0	0	0	0	1	0	0	0	8	82	84	1
ASTROS	0	0	2	0	1	3	0	0	8	8	86	12	0

Blue 57406  
Light Orange 7725-54 Border Striping  
White Captions

FUESSENICH PARK													
AT BAT	BALL			STRIKE			OUT			H/E			
41	2			1			1			H8			
DAKTRONICS	1	2	3	4	5	6	7	8	9	10	RUNS	HITS	ERR
BEARS	1	0	0	0	0	1	0	0	0	8	82	84	1
ASTROS	0	0	2	0	1	3	0	0	8	8	86	12	0

# RENDERING DETAILS

Scoreboard Model:  
Daktronics BA-2125  
White LED digits & TNMC’s

Decorative Accents:  
30” x 25’ Non-backlit AD Panel

Paint Color:  
Two options Shown

Border Striping Color:  
  
Two options Shown

Caption Color:  
White

Total Equipment Height:  
9.5’

Total Equipment Width:  
25’

ALL DIMENSIONS ARE APPROXIMATE







## DAK Score

### Mobile Scoring & Segment Timer App

What would your game day look like if virtually anyone could update the scoreboard? You can now control your Daktronics scoreboards with any mobile device or tablet.

## Wireless Control At Your Fingertips

Using Bluetooth® wireless technology, the DAK Score mobile app sends commands to an interface box, which then directly controls your indoor or outdoor scoreboards via wired or wireless signal. An integrated 2.4 GHz radio transmitter allows for a completely wireless scoring and timing solution.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Daktronics, Inc. is under license.



Device Requirements

- Android 4.4 and higher
- iOS 10 and higher

Operating Range

- 50' (15 m) between mobile device and interface box
- 1500' (457 m) between interface box and scoreboard

Try out the app in Demo mode to see how it works



Control Specs

MX-1 Interface Box

Operating Temperatures	-22° to 122° Fahrenheit (-30° to 50° Celsius)	
Power	2W, 0.4 A @ 5VDC (via 12V adapter)	
Weight	1.5 lb (0.7 kg)	
Dimensions	4.7" H x 6.6" W x 2.8" D (120 mm, 168 mm, 71 mm)	
Construction	Gasketed Polycarbonate	

## Control Options

Refer to the diagrams to see the available control options, and select one that best fits the needs of your facility.

### Wired Connection



### Radio Transmitter



Note that placement of scoreboard antenna is for illustrative purposes only.



## Compatible Scoreboard Models

We are continuing to expand the capability of this product to additional scoreboard models.

FIND COMPATIBLE MODELS

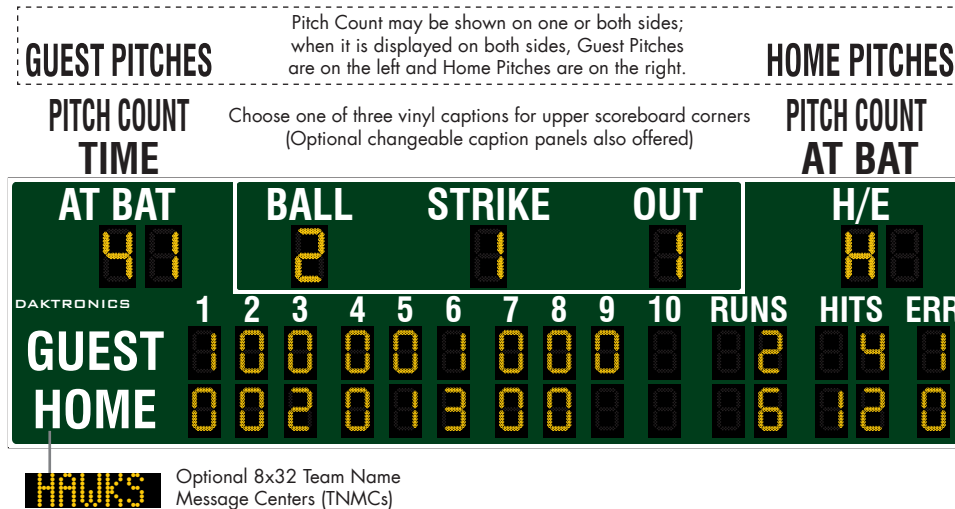


201 Daktronics Dr. | Brookings, SD 57006-5128 | 800-325-8766

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# DAKTRONICS BA-2125 PRODUCT SPECIFICATIONS



This outdoor LED baseball/softball scoreboard displays HOME and GUEST team scores for up to 10 innings, total RUNS and HITS to 99 and ERR (errors) to nine for each team, AT BAT to 99, BALL to three, STRIKE to two, OUT to two and H/E (hit or error) with field position number for the error. Scoreboard can show TIME or PITCH COUNT instead of AT BAT, as well as AT BAT or PITCH COUNT in place of H/E. Scoreboard shown with optional striping and amber PanaView® digits.

DIMENSIONS	# OF SECTIONS
<b>7'-0" H x 25'-0" W x 8" D (2.13 m, 7.62 m, 203 mm)</b>	<b>Two Total</b>
3'-0" H x 25'-0" W x 8" D (914 mm, 7.62 m, 203 mm)	One Top
4'-0" H x 25'-0" W x 8" D (1.22 m, 7.62 m, 203 mm)	One Bottom

		VINYL CAPTIONS (STANDARD)	TNMCs & VINYL CAPTIONS
<b>POWER (120 VAC)*</b>	Red/Amber Digits	360 Watts, 3.0 Amps	430 Watts, 3.6 Amps
	White Digits	770 Watts, 6.5 Amps	930 Watts, 7.8 Amps
<b>UNCRATED WEIGHT</b>	Top Section	375 lb (170 kg)	375 lb (170 kg)
	Bottom Section	500 lb (227 kg)	580 lb (263 kg)
	<b>Total</b>	<b>875 lb (397 kg)</b>	<b>955 lb (433 kg)</b>

\*Scoreboard requires a dedicated circuit. Models with 240 VAC power at half the indicated amperage are also offered (International Use Only).

## DIGITS

- AT BAT, BALL, STRIKE, OUT and H/E digits are 18" (457 mm) high. All other digits are 15" (381 mm) high.
- Select red, amber, or white LED digits. Scoreboard may instead have mixed LED digit colors (see [DD1965467](#)).
- Scoreboard features robust weather-sealed digits (see [DD2495646](#)).
- Digits may be dimmed for night viewing.

## DISPLAY COLOR

Choose from 150+ colors (from Martin Senour® paint book) at no additional cost.

## CONSTRUCTION

Alcoa aluminum alloy 5052 for excellent corrosion resistance

## CAPTIONS

- HOME and GUEST captions are 12" (305 mm) high. AT BAT, BALL, STRIKE, OUT and H/E captions are 10" (254 mm) high. All other captions are 8" (203 mm) high.
- Standard captions are vinyl, applied to the display face.
- Optional TNMCs are 10.6" (269 mm) high.

## OPERATING TEMPERATURES

- Display: -22° to 122° Fahrenheit (-30° to 50° Celsius)
- Console: 32° to 130° Fahrenheit (0° to 54° Celsius)

## PRODUCT SAFETY APPROVAL

ETL-listed to UL 48, tested to CSA standards, and CE-labeled

WWW.DAKTRONICS.COM E-MAIL: SALES@DAKTRONICS.COM

201 Daktronics Drive, PO Box 5128, Brookings, SD 57006  
Phone: 1-800-325-8766 or 605-692-0200 Fax: 605-697-4746  
DD2594524 091420 Page 1 of 7



# DAKTRONICS BA-2125 PRODUCT SPECIFICATIONS

CONTROL CONSOLE	CONTROL OPTIONS
<b>All Sport® 5000</b> (see <a href="#">SL-03991</a> )	<p><b>Wired (standard):</b> Two-pair shielded cable of 22 AWG minimum is required. A cover plate with mounted connector and standard 2" x 4" x 2" (51 mm x 102 mm x 51 mm) outlet box is provided. Connector mates with signal cable from control console.</p> <p><b>Wireless (optional):</b> 2.4 GHz spread spectrum radios feature 64 non-interfering channels and 8 broadcast groups (see <a href="#">SL-04370</a>).</p>
<b>DAK Score &amp; MX-1</b> (see <a href="#">DD3888368</a> )	CUSTOMER-SUPPLIED mobile device or tablet with DAK Score app installed communicates via <b>Bluetooth®</b> wireless technology to an MX-1 Interface Box that controls the scoreboard through 2.4 GHz radio or wired connection.

## TIME CLOCK

The two-digit clock can display hours/minutes/seconds. Clock information shifts from hours to minutes to seconds as time counts down.

## MOUNTING

Scoreboard is typically mounted on two or three vertical beams that require specific spacing. Hardware to mount scoreboard on two beams is included; hardware for more beams is at additional cost. Standard mounting uses I-beam clamps. Optional mounting method using angle brackets is also offered; maximum beam width is 12" (305 mm) and maximum beam depth is 22" (559 mm). Refer to attached drawings for more information on mounting methods. For mounting to horizontal beams, contact your Daktronics representative for more information.

## SERVICE ACCESS

Digit panels and electronics are serviced from either the front or rear of the scoreboard.

## GENERAL INFORMATION

Scoreboard provides scoring capabilities for two teams. 100% solid state electronics are housed in an all aluminum cabinet. Scoreboard is shipped in two sections. Scoreboard power is to be provided on a dedicated circuit to prevent loss of game information due to failure of another component on the circuit. Specifications and pricing are subject to change without notice.

## ADVERTISING/IDENTIFICATION PANELS

### Backlit & Non-Backlit:

- 1'-6" H x 25'-0" W (457 mm, 7.62 m)
- 2'-0" H x 25'-0" W (610 mm, 7.62 m)
- 2'-6" H x 25'-0" W (762 mm, 7.62 m)
- 3'-0" H x 25'-0" W (914 mm, 7.62 m)
- 4'-0" H x 25'-0" W (1.22 m, 7.62 m)

For additional non-backlit panel sizes, see [SL-03761](#).

## FOR ADDITIONAL INFORMATION

- Installation Specifications: DWG-1183308 (attached)
- Standard I-beam Mounting: DWG-1052565 (attached)
- LVX I-Beam Mounting: DWG-3918361 (attached)
- Optional Pole Mounting: DWG-1048184 (attached)
- Component Locations: DWG-3544268 (attached)
- Architectural Specifications: See [DD2587726](#)

## OPTIONS & ACCESSORIES

- Scoreboard border striping
- Striping around BALL, STRIKE and OUT digits
- TIME, AT BAT or PITCH COUNT captions on changeable panels
- 100+ Pitch Count – an additional digit may be added to the left, right or both sides of the scoreboard
- Multiple caption and striping colors (see [DD2101644](#))
- Team name caption in place of HOME \*
- Team names on changeable panels \*
- Programmable Team Name Message Centers (see [DD1696958](#))
- Individual digit protective screens (see [SL-04939](#))
- Protective netting (see [DD2690927](#))
- Optional angle bracket mounting method
- Advertising/identification panels
- Decorative accents
- Electronic message centers and video displays in multiple sizes

\* Not available with TNMCs

Dual Pitch Count with Optional 100+ Digits\*



\*When pitch count is displayed on both sides at once, Guest Pitches are on the left and Home Pitches are on the right.

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WWW.DAKTRONICS.COM E-MAIL: SALES@DAKTRONICS.COM

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Martin Senour® is a registered trademark of its owner.  
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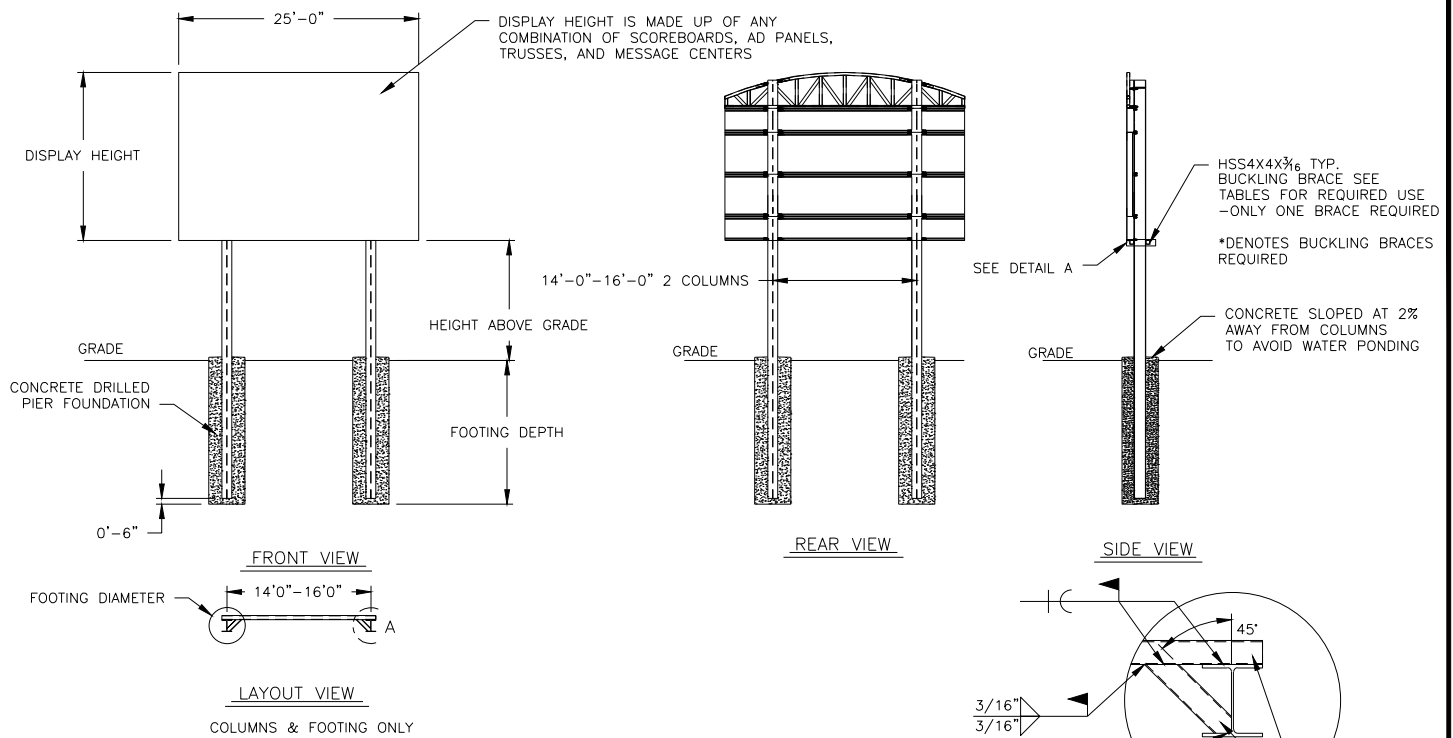


TABLE A - MOUNTING

EXPOSURE B

HEIGHT ABOVE GRADE = 10'						HEIGHT ABOVE GRADE = 15'					
DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY				DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY			
		115 MPH	130 MPH	150 MPH	170 MPH			115 MPH	130 MPH	150 MPH	170 MPH
8	COLUMN FOOTING	W8X28 3.0'X8.0'	W8X31 3.0'X9.0'	W14X38 3.0'X10.0'	W12X40 3.0'X11.0'	8	COLUMN FOOTING	W10X39 3.0'X9.0'	W14X43 3.0'X10.0'	W10X49 3.0'X11.0'	W12X58 3.0'X12.0'
10	COLUMN FOOTING	W10X33 3.0'X9.0'	W10X39 3.0'X10.0'	W14X43 3.0'X11.0'	W12X53 3.0'X12.0'	10	COLUMN FOOTING	W10X45 3.0'X10.0'	W12X53 3.0'X11.0'	W12X58 4.0'X11.0'	W16X67 4.0'X13.5'
12	COLUMN FOOTING	W10X39 3.0'X10.0'	W14X43 3.0'X10.5'	W12X53 3.0'X12.0'	W14X61 4.0'X12.0'	12	COLUMN FOOTING	W12X53 3.0'X11.0'	W12X58 3.0'X12.0'	W12X72 3.0'X13.5'	W18X76 3.0'X13.5'
14	COLUMN FOOTING	W14X43 3.0'X10.5'	W12X53 3.0'X11.5'	W12X58 4.0'X11.5'	W16X67 4.0'X13.0'	14*	COLUMN FOOTING	W14X48 3.0'X11.5'	W18X55 3.0'X13.0'	W21X62 4.0'X13.0'	W24X68 4.0'X15.0'
16	COLUMN FOOTING	W12X53 3.0'X11.5'	W14X61 4.0'X11.0'	W12X72 4.0'X12.5'	W18X86 4.0'X14.5'	16*	COLUMN FOOTING	W21X48 4.0'X11.0'	W21X62 4.0'X12.0'	W21X68 4.0'X14.5'	W24X76 4.0'X17.0'
18*	COLUMN FOOTING	W16X40 3.0'X12.0'	W21X48 4.0'X12.0'	W21X55 4.0'X14.0'	W21X68 4.0'X16.0'	18*	COLUMN FOOTING	W21X55 4.0'X12.0'	W16X67 3.0'X16.0'	W18X76 4.0'X16.0'	W27X84 4.0'X18.5'
20*	COLUMN FOOTING	W14X48 3.0'X13.0'	W18X55 3.0'X15.0'	W21X62 4.0'X15.0'	W24X68 4.0'X18.0'	20*	COLUMN FOOTING	W21X62 4.0'X12.5'	W24X68 4.0'X14.5'	W24X84 4.0'X17.5'	W30X90 5.0'X17.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH

\* DENOTES ADDITIONAL BRACES REQUIRED AT THE MID HEIGHT OF DISPLAY

EXPOSURE C

HEIGHT ABOVE GRADE = 10'				HEIGHT ABOVE GRADE = 15'			
DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY		DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY	
		115 MPH	140 MPH			115 MPH	140 MPH
8	COLUMN FOOTING	W10X33 3.0'X9.5'	W12X40 3.0'X10.5'	8	COLUMN FOOTING	W14X43 3.0'X10.0'	W12X58 3.0'X12.0'
10	COLUMN FOOTING	W14X43 3.0'X10.5'	W12X53 3.0'X11.5'	10	COLUMN FOOTING	W12X53 3.0'X11.5'	W12X65 3.0'X13.5'
12	COLUMN FOOTING	W14X48 3.0'X11.5'	W12X58 4.0'X11.5'	12	COLUMN FOOTING	W14X61 4.0'X12.0'	W18X76 4.0'X13.0'
14	COLUMN FOOTING	W12X53 4.0'X11.0'	W16X67 4.0'X13.0'	14*	COLUMN FOOTING	W21X48 4.0'X12.0'	W21X68 4.0'X14.5'
16	COLUMN FOOTING	W12X65 4.0'X11.5'	W18X76 4.0'X14.0'	16*	COLUMN FOOTING	W21X62 4.0'X13.0'	W18X76 4.0'X16.0'
18*	COLUMN FOOTING	W21X48 4.0'X12.5'	W21X62 4.0'X15.5'	18*	COLUMN FOOTING	W21X68 4.0'X14.0'	W24X84 4.0'X18.0'
20*	COLUMN FOOTING	W21X55 4.0'X13.5'	W21X68 4.0'X17.0'	20*	COLUMN FOOTING	W18X76 4.0'X15.5'	W30X90 5.0'X17.0'

FOOTING DIMENSIONS = DIAMETER X DEPTH

\* DENOTES ADDITIONAL BRACES REQUIRED AT THE MID HEIGHT OF DISPLAY

NOTES:

1. FOOTING AND COLUMN SIZES ARE SUGGESTIONS ONLY, PROVIDED TO ASSIST WITH ESTIMATING INSTALLATION COSTS AND ARE NOT INTENDED FOR CONSTRUCTION PURPOSES. THE DESIGN MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE INSTALLATION BEFORE THEY CAN BE USED FOR FABRICATION OR ERECTION.
2. INTERNATIONAL BUILDING CODE 2012 USED IN DESIGN OF COLUMNS AND FOOTINGS WITH IMPORTANCE FACTOR=1, Kzt=1.0, Kd=0.85, G=0.85. SEISMIC DESIGN WAS NOT CONSIDERED.
3. FOOTING DIMENSIONS ARE BASED ON ASSUMED SOIL CLASS 4 (ALLOWABLE LATERAL BEARING PRESSURE OF 150 psf).
4. STRUCTURAL STEEL IS GRADE A992 (50 ksi) STEEL. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 psi.
5. THE AVERAGE DISPLAY WEIGHT FOR A LAYOUT CAN NOT EXCEED 8 PSF.
6. DAKTRONICS INC. IS NOT RESPONSIBLE FOR STRUCTURES DESIGNED AND INSTALLED BY OTHERS.
7. LOCAL BUILDING OFFICIALS SHOULD BE CONTACTED TO DETERMINE THE WIND SPEED AND EXPOSURE CATEGORY FOR THE PROPOSED SIGN LOCATION. THE EXPOSURE CATEGORY C IS DEFINED AS:  
EXPOSURE B - URBAN AND SUBURBAN AREAS, OR OTHER TERRAIN WITH NUMEROUS SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE CONDITIONS MUST PREVAIL FOR A DISTANCE FROM THE SIGN OF AT LEAST 2,600 FT OR 20 TIMES THE SIGN HEIGHT, WHICHEVER IS GREATER  
EXPOSURE C - OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE REGIONS.
8. FOR SPECIFIC PRODUCT DETAILS ON WEIGHT, MOUNTING, ETC. REFER TO THE INDIVIDUAL PRODUCT SPECIFICATION SHEETS.

		DAKTRONICS, INC. BROOKINGS, SD 57006 DO NOT SCALE DRAWING		THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESS WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2014 DAKTRONICS, INC.	
		PROJ: OUTDOOR SCOREBOARD INSTALLATION TITLE: 25' WIDTH SCOREBOARD INSTALLATION SPECS. DESIGN: TTASCHN DRAWN: TTASCHN DATE: 22JUL14 SCALE: 1/16" = 1'			
SHEET		REV		JOB NO:	
		00		P1538	
				FUNC-TYPE-SIZE	
				E-10-A	
1183308					

VERTICAL BEAM - FLANGE THICKNESS MUST BE 1/4" - 3/4"

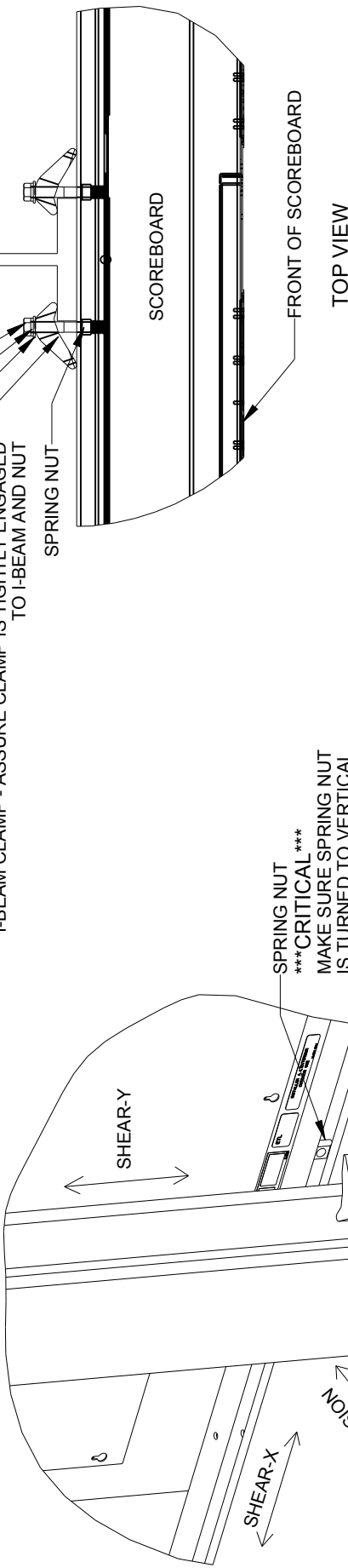
1/2-13 X 3.000 BOLT - BOLT THREAD MUST ENGAGE ENTIRE DEPTH OF SPRING NUT. BOLT MUST BE TIGHTENED TO 40FT-LB TORQUE

1/2" LOCK WASHER

1/2" FLAT WASHER

I-BEAM CLAMP - ASSURE CLAMP IS TIGHTLY ENGAGED TO I-BEAM AND NUT

SPRING NUT



SPRING NUT

\*\*\*CRITICAL \*\*\*

MAKE SURE SPRING NUT IS TURNED TO VERTICAL POSITION INSIDE SCOREBOARD CHANNEL

I-BEAM CLAMP

1/2" FLAT WASHER

1/2" LOCK WASHER

1/2-13 X 3.000 BOLT

EXPLODED REAR ISOMETRIC VIEW

## STANDARD MOUNTING METHOD

MOUNTING INSTRUCTIONS:

1. PLACE SPRING NUTS INTO SCOREBOARD CHANNEL IN APPROXIMATE LOCATION OF VERTICAL BEAMS
2. LIFT SCOREBOARD INTO POSITION
3. MAKE SURE THE 1/2-13 BOLTS ARE AS CLOSE TO THE I-BEAM FLANGES AS POSSIBLE
4. WHEN SCOREBOARD IS ADJUSTED TO FINAL DESIRED POSITION, TIGHTEN BOLTS FIRMLY
5. IF FLANGE THICKNESS IS MORE THAN 3/4" THICK LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE.

## STRUCTURAL NOTES

ALLOWABLE CAPACITY PER EACH CLAMP:

SHEAR = 160 LBS

TENSION = 2300 LBS

SHEAR AND TENSION LOAD DIRECTION ARE AS INDICATED ON REAR ISOMETRIC VIEW

\*\*\*CRITICAL \*\*\*  
DO NOT USE ANY LUBRICANT  
ON ANY MOUNTING HARDWARE  
OR WARRANTY WILL BE VOIDED

05	22 DEC 15	PER EC-22871; ADDED LUBRICANT NOTE	PJS 18704
04	06 JAN 14	ADDED ALLOWABLE TENSION AND SHEAR CAPACITY DETAILS	JAVA
03	23 OCT 13	PER EC-12382; CHANGED BOLT TORQUE FROM 30 FT-LB TO 40 FT-LB	NJM
02	07 MAR 12	ADDED STANDARD MOUNTING METHODS NOTES	KDD
01	21 FEB 12	CHANGED ROCKER TO I-BEAM	KDD
REV	DATE:		BY:

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**PROJECT:** OUTDOOR SCOREBOARD  
**TITLE:** P1647; I-BEAM CLAMP MOUNTING

**DATE:** 22-DEC-15  
**SCALE:** 1/8  
**DESIGN:** MCARSRU  
**DRAWN:** MCARSRU

**DIM UNITS:** INCHES [MILLIMETERS]  
**DO NOT SCALE DRAWING**

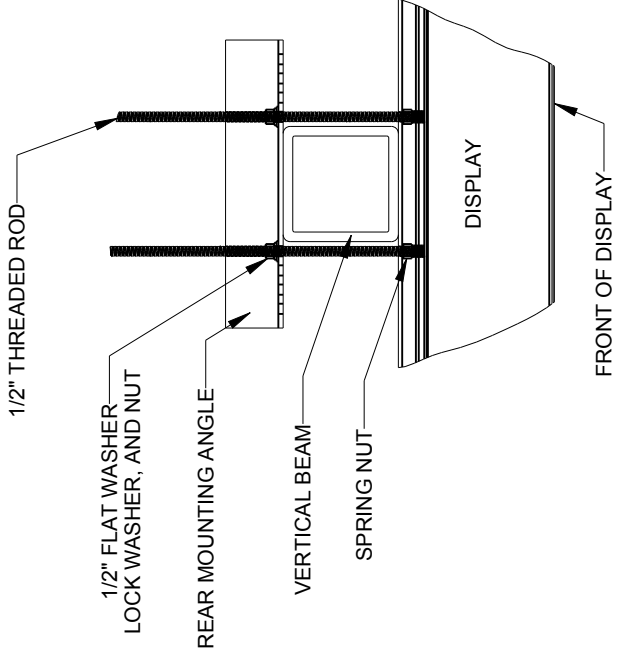
**JOB NO.:** P1647  
**FUNC. - TYPE - SIZE:** E - 07 - A

**THIRD ANGLE PROJECTION**

REV	SHEET	1052565
05	1 OF 1	
05	1 OF 1	

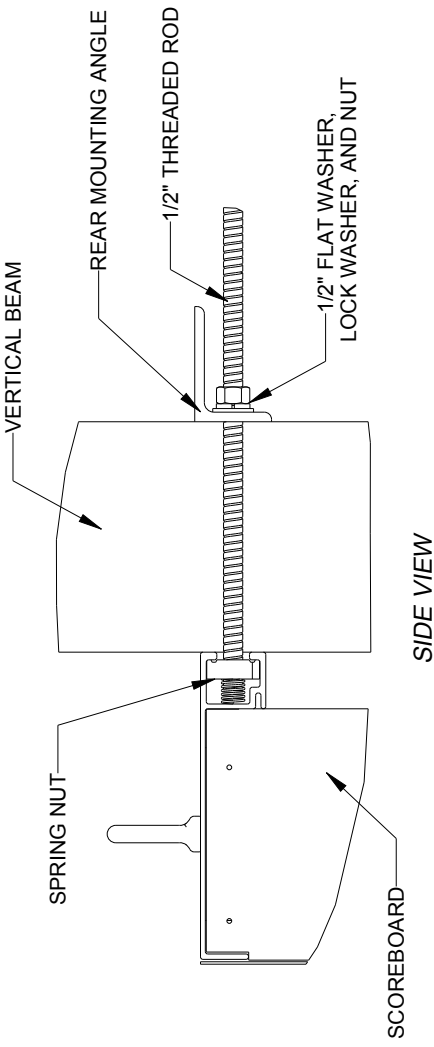




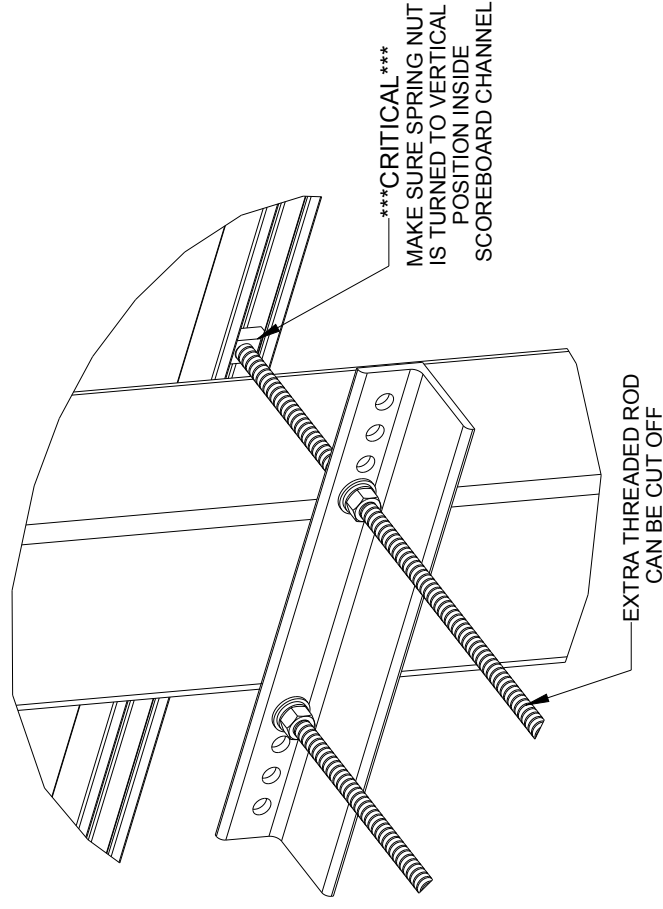


TOP VIEW  
SCALE 1/10

\*\*\*CRITICAL\*\*\*  
DO NOT USE ANY LUBRICANT  
ON ANY MOUNTING HARDWARE  
OR WARRANTY WILL BE VOIDED



SIDE VIEW



REAR ISOMETRIC VIEW

STRUCTURAL NOTES:  
- BOLT TORQUE: 30 FT-LB

- NOTES:
- THREADED RODS RUN ALONG BOTH SIDES OF BEAM
  - RODS DO NOT PASS THROUGH THE FLANGES OF THE BEAM
  - NO DRILLING NECESSARY
  - MAKE SURE SPRING NUT IS PERPENDICULAR TO CHANNEL OPENING ON SCOREBOARD

04	22 DEC 15	PER EC-22871; ADDED LUBRICANT WARNING	PJS 18704
03	03 JULY 13	ADDED STRUCTURAL NOTE	TTF
02	20 SEP 12	PER EC-7114; REMOVED CHAMFER FROM 0M-133259	LMG
01	06 OCT 11	REPLACED VERTICAL I-BEAM WITH 6" X 6" SQUARE TUBE	JAVA
REV	DATE:		BY:

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**DAKTRONICS**

PROJECT: OUTDOOR SCOREBOARDS

TITLE: P1647; POLE MOUNTING OPTIONS

DATE: 22-DEC-15 DIM UNITS: INCHES [MILLIMETERS]

SCALE: 1/5 DO NOT SCALE DRAWING

DESIGN: DOPPELT JOB NO. P1647

DRAWN: DOPPELT E - 10 - A

REV SHEET 1 OF 1

1048184

THIRD ANGLE PROJECTION

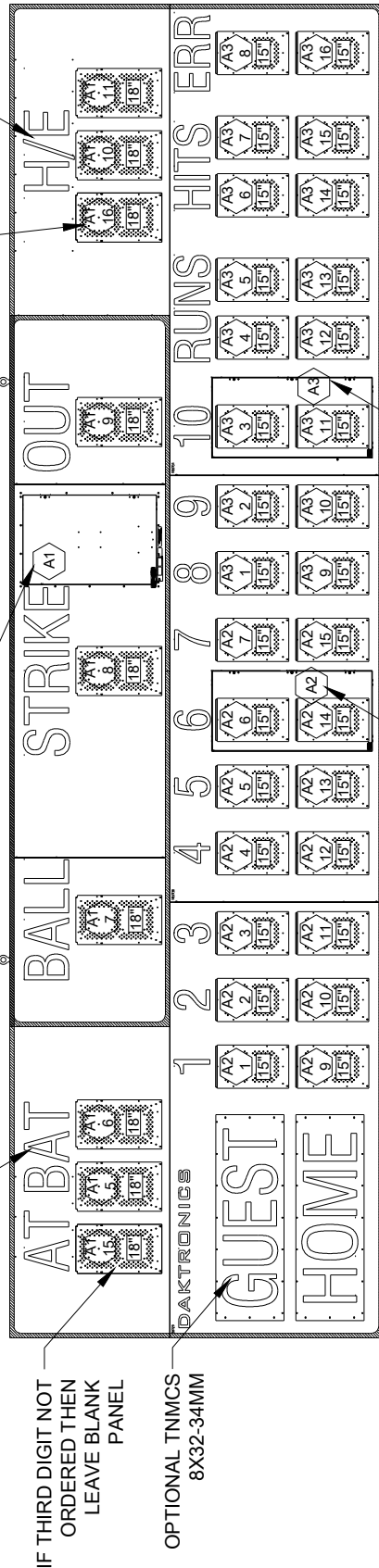
BA-2125-R/AW

-OPTIONAL THIRD DIGIT FOR PITCH COUNT  
-WILL ONLY LIGHT UP 2 SEGMENTS TO DENOTE A "1"  
-THE MAXIMUM PITCH COUNT WILL BE 199

PRIMARY DRIVER (A1)  
(KNOCKOUTS FOR 1/2" CONDUIT)  
SIGNAL OPTION ON THIS DRIVER  
(WIRE, FIBER, OR RADIO)

OPTIONAL TIME,  
GUEST COUNT CAPTION  
OR PITCH COUNT CAPTION

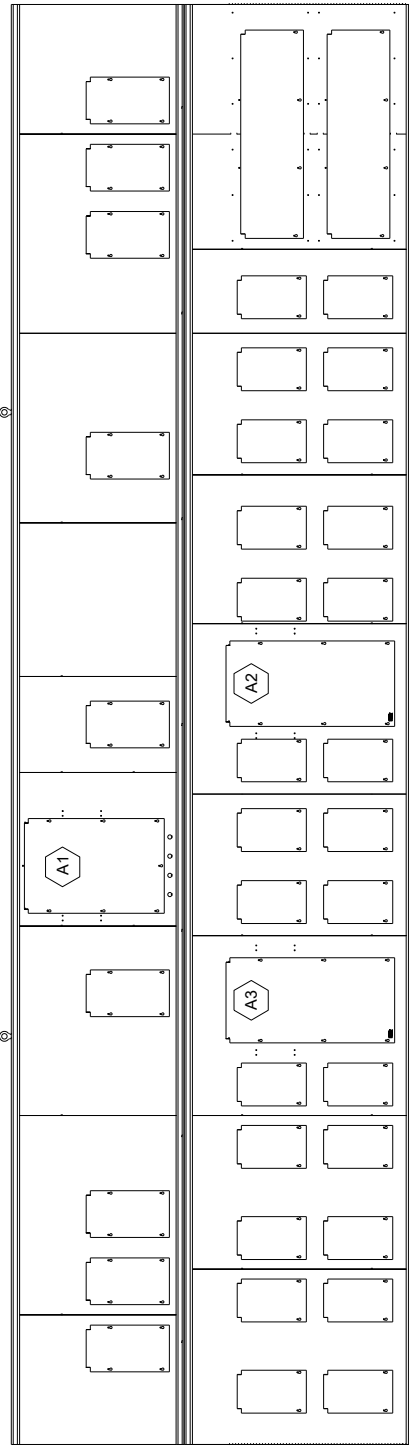
OPTIONAL AT BAT,  
HOME PITCHES,  
OR PITCH COUNT CAPTION



SECONDARY DRIVER (A2)

SECONDARY DRIVER (A3)

FRONT VIEW



NOTES:

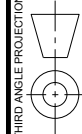
A2 1 = LED DRIVER NUMBER &  
LED DRIVER CONNECTOR  
WIRED TO THAT DIGIT

15" = DIGIT SIZE

A3 = DRIVER NUMBER



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PROJECT: OUTDOOR EXTRUDED SCOREBOARDS

TITLE: COMPONENT LOCATION: BA-2125

DATE: 18 SEP 13 DIM UNITS: INCHES [MILLIMETERS] SHEET REV 00

SCALE: 1=40 DO NOT SCALE DRAWING

DESIGN: KDRAGT JOB NO. P1647 FUNC. - TYPE - SIZE E - 10 - A

3544268

# DAKTRONICS ALL SPORT 5000 PRODUCT SPECIFICATIONS



DIMENSIONS	WEIGHT	POWER (120/240 VAC)
4.25" H x 16.25" W x 9" D (108 mm, 413 mm, 229 mm)	7 lb (3.2 kg)	6 Watts

## DISPLAY

A 32-character liquid crystal display (LCD) prompts the operator and provides vital feedback. Two lines of 16 characters provide easy viewing of game in progress information. The LCD is backlit with LEDs to allow for readability in dark areas as well as bright sunlight.

- Viewing area: 3.89" W x 0.94" H (99 mm, 24 mm)
- Characters: 0.189" W x 0.378" H (4.8 mm, 9.6 mm)

## CONSTRUCTION

Heavy-duty aluminum case is the toughest line of defense against drops, static electricity, and high/low temperatures. The console's "snap-action" keyboard is sealed, making it resistant to moisture and spills. An internal beeper helps to indicate a completed keystroke.

## SPORT MODES

Interchangeable sport inserts allow a single console to work for a wide variety of indoor and outdoor sports. Sport inserts reduce the confusion of having multiple functions on individual keys. On most inserts, HOME keys are color-coded green and GUEST keys are red for quick identification. The All Sport 5000 console can also be custom-programmed as needed.

## NON-VOLATILE MEMORY

The most current information is automatically stored on a memory chip without the need for a battery, should there be a loss of power. The memory cannot be erased and is only overwritten once new information is entered.

## PRODUCT SAFETY APPROVAL

ETL-listed, tested to CSA standards, and CE-labeled; FCC approved

## OPERATING TEMPERATURES

32° to 130° Fahrenheit (0° to 54° Celsius)

## GENERAL INFORMATION

Console can control multiple scoreboards and stat panels, display tenth-of-a-second times, and features Time of Day and Segment Timer modes. Console is static electricity resistant to 20,000 volts. Specifications and pricing are subject to change without notice.

## OPTIONS & ACCESSORIES

- Durable carrying case (see [SL-04551](#))
- 2.4 GHz spread spectrum radio control (see [SL-04370](#))
- Handheld shot clock controllers
- External battery kit (see [SL-04457](#))

## FOR ADDITIONAL INFORMATION

- Manual: See [ED-11976](#)
- Quick Guide: See [DD2077845](#)

[WWW.DAKTRONICS.COM](http://WWW.DAKTRONICS.COM) E-MAIL: [SALES@DAKTRONICS.COM](mailto:SALES@DAKTRONICS.COM)

201 Daktronics Drive, PO Box 5128, Brookings, SD 57006  
Phone: 1-800-325-8766 or 605-692-0200 Fax: 605-697-4746  
SL-03991 011817 Page 1 of 2



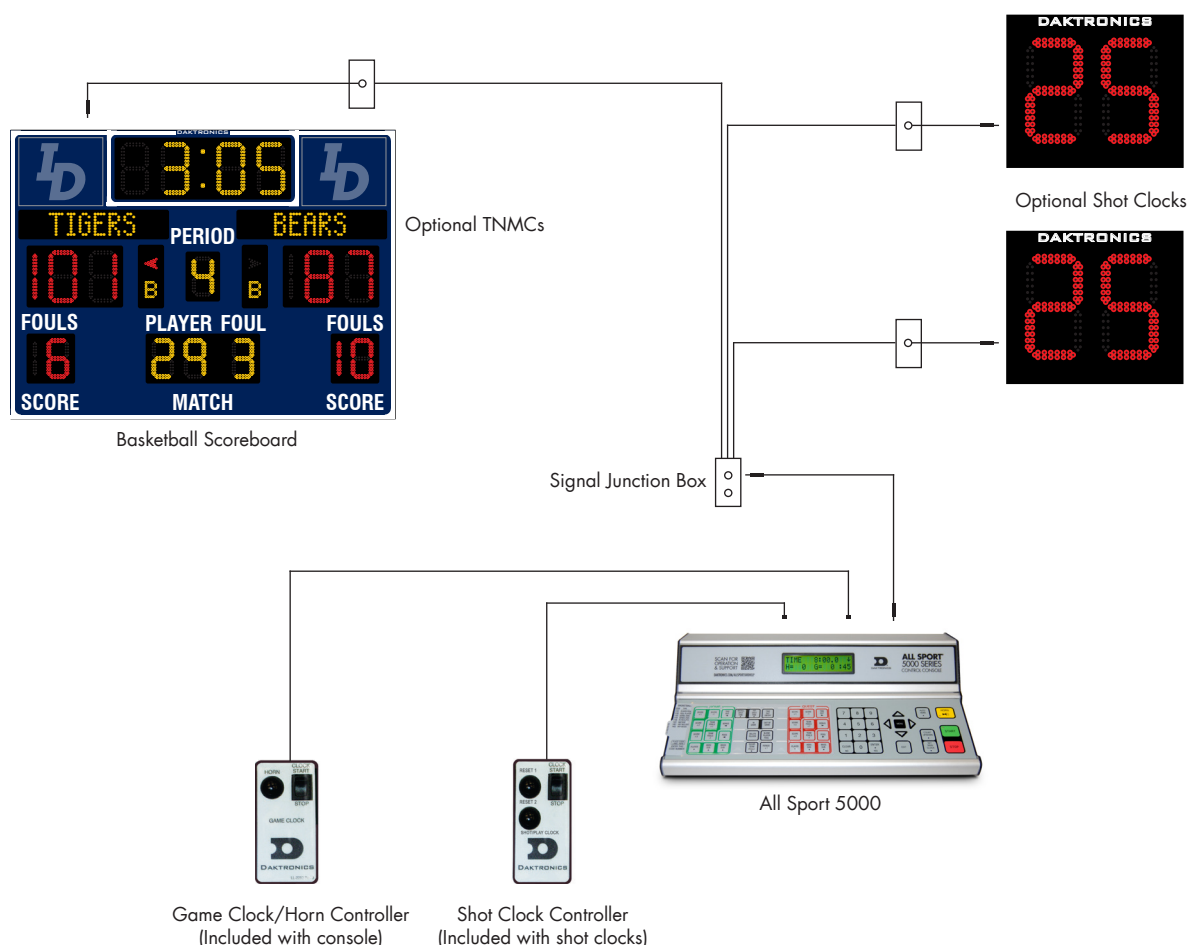


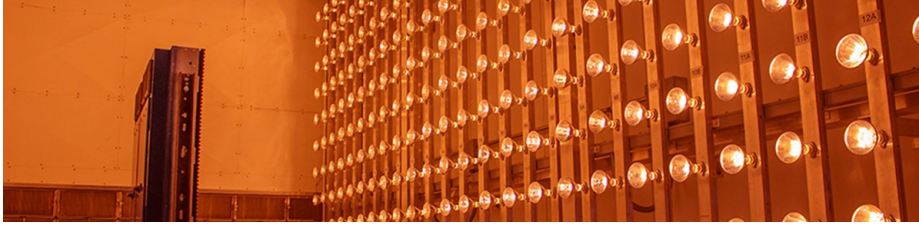
# DAKTRONICS ALL SPORT 5000 PRODUCT SPECIFICATIONS

FEATURE	BENEFIT
Cumulative memory	Saves points and fouls for up to 15 players per team in basketball mode and several user-defined player stats for volleyball for use on stat displays
Main & auxiliary scoreboard control	Control basketball shot clocks & stat displays, hockey goal lights or football delay-of-game clocks in addition to the main scoreboard from the same output signal
Real-Time Data (RTD) output	Displays game-in-progress information on electronic message displays
Track-timing interface	Displays information from automatic timing systems on standard football scoreboards
Multiple sport modes	Easily move the same console from venue to venue
TNMC control	Display custom names for each team on scoreboards that support optional programmable Team Name Message Centers (TNMCs)

## TYPICAL CONTROL DIAGRAM

Refer to the diagram below for a typical layout of an All Sport 5000 controller, basketball scoreboard and optional shot clocks.





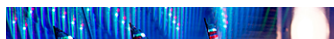
Climate Testing Chamber

# Product Reliability Lab

## Daktronics Products Tested Tough for You

Take a step into the Product Reliability Lab where certified technicians test Daktronics products to ensure their quality, durability and performance.

Since 2009, comprehensive testing systems done in the lab continue to provide much needed data to our engineers. We test Daktronics products more rigorously than any other manufacturer. In fact, some of our lab test equipment is similar to that used by the automobile and aerospace industries.





## Environmental Simulator

Before product release, Daktronics puts products through a variety of stress tests. Our lab technicians place entire video boards through a massive 4,500 cubic foot environmental chamber (Solar Thermal Simulation Area: 22' L x 11' H), in order to simulate extreme climate conditions, such as:

- Blistering Heat (74° C, 165° F)
- Freezing Cold (-34° C, -29° F)
- Humidity (15% to 90% RH)



## Temperature/Humidity Chamber

The Temperature/Humidity Chamber simulates worse-case environments to test component sensitivity towards humidity, corrosion and electrical property changes. This assures that product components are as tough as their displays, by undergoing:

- Chamber Transitions (5° C/min, 9° F/min)
- Humidity Testing (10% RH to 98% RH)



## Thermal Shock Chamber

This chamber ensures product durability by conducting unpowered thermal shock testing. In less than five seconds, products are transferred between hot and cold compartments.



## Highly Accelerated Life Testing (HALT)

To determine product functioning limits, the HALT chamber combines environmental variables, such as temperature shock and vibration, to stress products to the point of failure.



## Spray Test Chamber

To test how well enclosures protect components, this chamber drenches display parts with high-pressure water jets to assure performance against moisture.



## Salt Fog Chamber

To gauge a component's capacity to withstand the corrosive effects of salty coastal air, this chamber punishes Daktronics products with a 5% salt solution at a sweltering 35° C (95° F).

