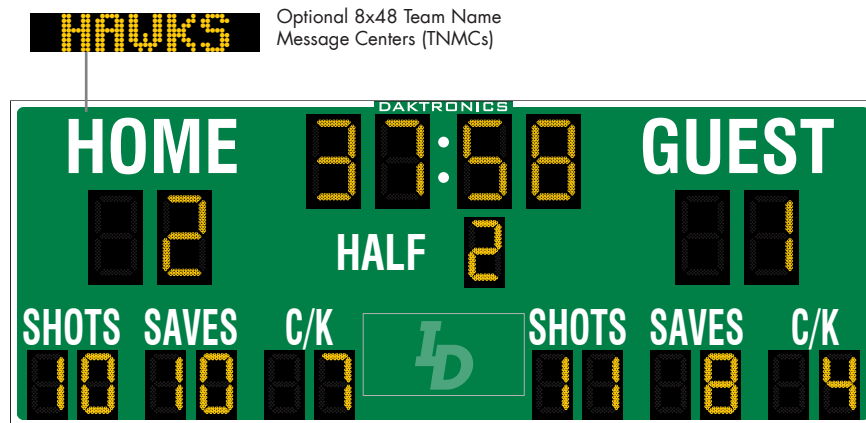


DAKTRONICS SO-2011 PRODUCT SPECIFICATIONS



This outdoor LED soccer scoreboard displays period time to 99:59, HOME and GUEST scores to 99, HALF to nine and SHOTS, SAVES and C/K (corner kicks) to 99 for both teams. When period time is less than one minute, the scoreboard displays time to 1/10 of a second. Scoreboard shown with optional striping and amber PanaView® digits.

DIMENSIONS	# OF SECTIONS
7'-6" H x 20'-0" W x 8" D (2.29 m, 6.10 m, 203 mm)	Two Total
4'-6" H x 20'-0" W x 8" D (1.37 m, 6.10 m, 203 mm)	One Top
3'-0" H x 20'-0" W x 8" D (914 mm, 6.10 m, 203 mm)	One Bottom

		VINYL CAPTIONS (STANDARD)	TNMCs & VINYL CAPTIONS
POWER (120 VAC)*	Red/Amber Digits	300 Watts, 2.5 Amps	400 Watts, 3.4 Amps
	White Digits	650 Watts, 5.5 Amps	880 Watts, 7.4 Amps
UNCRATED WEIGHT	Top Section	360 lb (163 kg)	480 lb (218 kg)
	Bottom Section	240 lb (109 kg)	240 lb (109 kg)
	Total	600 lb (272 kg)	720 lb (327 kg)

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

DIGITS

- Clock and score digits are 24" (610 mm) high. All other digits are 18" (457 mm) high.
- Select red, amber, or white LED digits.
- 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 15" (381 mm) high. All other captions are 10" (254 mm) high.
- Standard captions are vinyl, applied to the display face.
- Optional TNMCs are 10.6" (269 mm) high.

PRODUCT SAFETY APPROVAL

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

OPERATING TEMPERATURES

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

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
DD2167461 091620 Page 1 of 8



DAKTRONICS SO-2011 PRODUCT SPECIFICATIONS

CONTROL CONSOLE	CONTROL OPTIONS
All Sport® 5000 (see SL-03991)	Wired (standard): One-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. Wireless (optional): 2.4 GHz spread spectrum radio features 64 non-interfering channels and 8 broadcast groups (see SL-04370).

SEGMENT TIMER MODE

The segment timer mode is ideal for keeping practices on schedule. The horn at the end of a segment allows coaches and athletes to focus on the practice and to listen for the horn when it is time to change drills (see [SL-04004](#)).

TIME OF DAY MODE

This scoreboard features a Time of Day (TOD) mode that allows it to act as a clock when the control console is unplugged or off. Refer to the scoreboard installation manual for instructions on how to enable the Time of Day mode.

MOUNTING

Scoreboard is typically mounted on two vertical beams or poles. 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.

SERVICE ACCESS

Digit panels and electronics are serviced from the front 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 20'-0" W (457 mm, 6.10 m)
2'-0" H x 20'-0" W (610 mm, 6.10 m)
2'-6" H x 20'-0" W (762 mm, 6.10 m)
3'-0" H x 20'-0" W (914 mm, 6.10 m)
4'-0" H x 20'-0" W (1.22 m, 6.10 m)

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

OPTIONS & ACCESSORIES

- Scoreboard border striping
- 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](#))
- One 1'-10.75" (578 mm) tall x 3'-8.75" (1.14 m) wide logo/sponsor area. Copy is applied to the display face.
- Horn
- 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

FOR ADDITIONAL INFORMATION

- Installation Specifications: DWG-1157190 (attached)
- Standard I-beam Mounting: DWG-1052565 (attached)
- LVX I-Beam Mounting: DWG-3918361 (attached)
- Optional Pole Mounting: DWG-1048184 (attached)
- Component Locations (Red/Amber Digits): DWG-1073497 (attached)
- Component Locations (White Digits): DWG-3024839 (attached)
- Architectural Specifications: See [SL-05983](#)

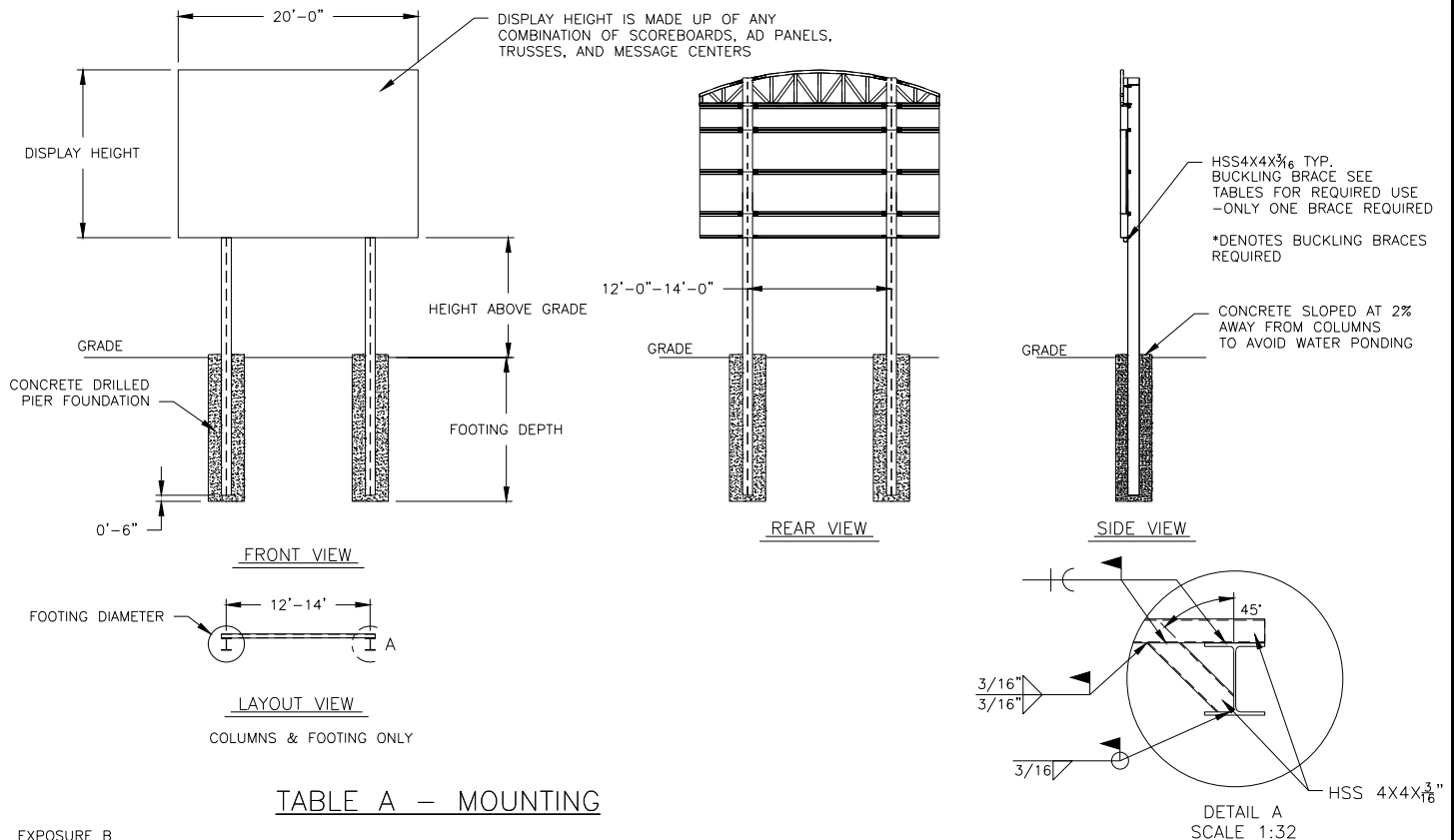


TABLE A - MOUNTING

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	W8X24 2.0'X8.5'	W8X28 2.0'X9.5'	W8X31 2.0'X10.5'	W12X26* 3.0'X9.5'	8	COLUMN FOOTING	W10X26* 2.0'X9.5'	W10X30* 2.0'X10.5'	W14X34* 3.0'X10.0'	W12X40* 3.0'X11.0'
10	COLUMN FOOTING	W8X31 2.0'X9.5'	W10X26 2.0'X10.5'	W12X26* 3.0'X10.0'	W14X34* 3.0'X11.0'	10	COLUMN FOOTING	W12X30* 3.0'X9.0'	W14X34* 3.0'X10.0'	W12X40* 3.0'X11.0'	W16X45* 3.0'X12.0'
12	COLUMN FOOTING	W10X26* 2.0'X10.5'	W12X26* 3.0'X10.0'	W14X34* 3.0'X11.0'	W16X40* 3.0'X12.0'	12	COLUMN FOOTING	W14X30* 3.0'X10.0'	W12X40* 3.0'X11.0'	W14X43* 3.0'X12.0'	W21X48* 3.0'X13.5'
14	COLUMN FOOTING	W12X26* 3.0'X9.5'	W14X34* 3.0'X10.5'	W16X40* 3.0'X12.0'	W21X44* 3.0'X13.5'	14	COLUMN FOOTING	W14X34* 3.0'X10.5'	W16X40* 3.0'X11.5'	W21X48* 3.0'X13.5'	W21X55* 3.0'X15.5'
16	COLUMN FOOTING	W14X30* 3.0'X10.5'	W18X35* 3.0'X11.5'	W16X40* 3.0'X13.0'	W21X48* 3.0'X15.0'	16	COLUMN FOOTING	W16X40* 3.0'X11.5'	W21X48* 4.0'X11.0'	W18X55* 3.0'X14.5'	W21X68* 4.0'X14.5'
18	COLUMN FOOTING	W14X34* 3.0'X11.0'	W16X40* 3.0'X12.0'	W21X48* 3.0'X14.0'	W18X55* 3.0'X16.5'	18	COLUMN FOOTING	W14X48* 3.0'X12.0'	W21X48* 4.0'X12.0'	W21X55* 4.0'X13.5'	W24X68* 4.0'X16.0'
20	COLUMN FOOTING	W16X36* 3.0'X11.5'	W21X44* 3.0'X13.0'	W21X48* 3.0'X15.5'	W21X62* 3.0'X18.5'	20	COLUMN FOOTING	W21X48* 3.0'X13.0'	W21X55* 4.0'X12.5'	W24X68* 4.0'X15.0'	W24X76* 4.0'X17.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH

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	W12X30 3.0'X8.5'	W14X38 3.0'X10.0'	8	COLUMN FOOTING	W10X39 3.0'X9.5'	W10X49 3.0'X11.0'
10	COLUMN FOOTING	W14X38 3.0'X9.5'	W14X43 3.0'X11.0'	10	COLUMN FOOTING	W10X49 3.0'X10.5'	W12X53 3.0'X12.0'
12	COLUMN FOOTING	W14X43 3.0'X10.0'	W12X53 3.0'X12.0'	12	COLUMN FOOTING	W14X43* 3.0'X11.0'	W18X55* 3.0'X13.5'
14	COLUMN FOOTING	W10X49 3.0'X11.0'	W12X58 3.0'X13.0'	14	COLUMN FOOTING	W21X48* 4.0'X11.0'	W21X62* 4.0'X12.5'
16	COLUMN FOOTING	W16X40* 3.0'X12.0'	W21X48* 3.0'X14.5'	16	COLUMN FOOTING	W18X55* 3.0'X13.0'	W16X67* 3.0'X16.5'
18	COLUMN FOOTING	W21X44* 4.0'X11.0'	W21X55* 4.0'X14.0'	18	COLUMN FOOTING	W21X48* 3.0'X14.5'	W24X68* 4.0'X15.5'
20	COLUMN FOOTING	W21X48* 4.0'X12.0'	W21X62* 4.0'X15.0'	20	COLUMN FOOTING	W16X67* 3.0'X15.5'	W24X84* 4.0'X16.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH

NOTE:
-REFER TO NOTE 7 FOR EXPOSURE CATEGORY DEFINITIONS.

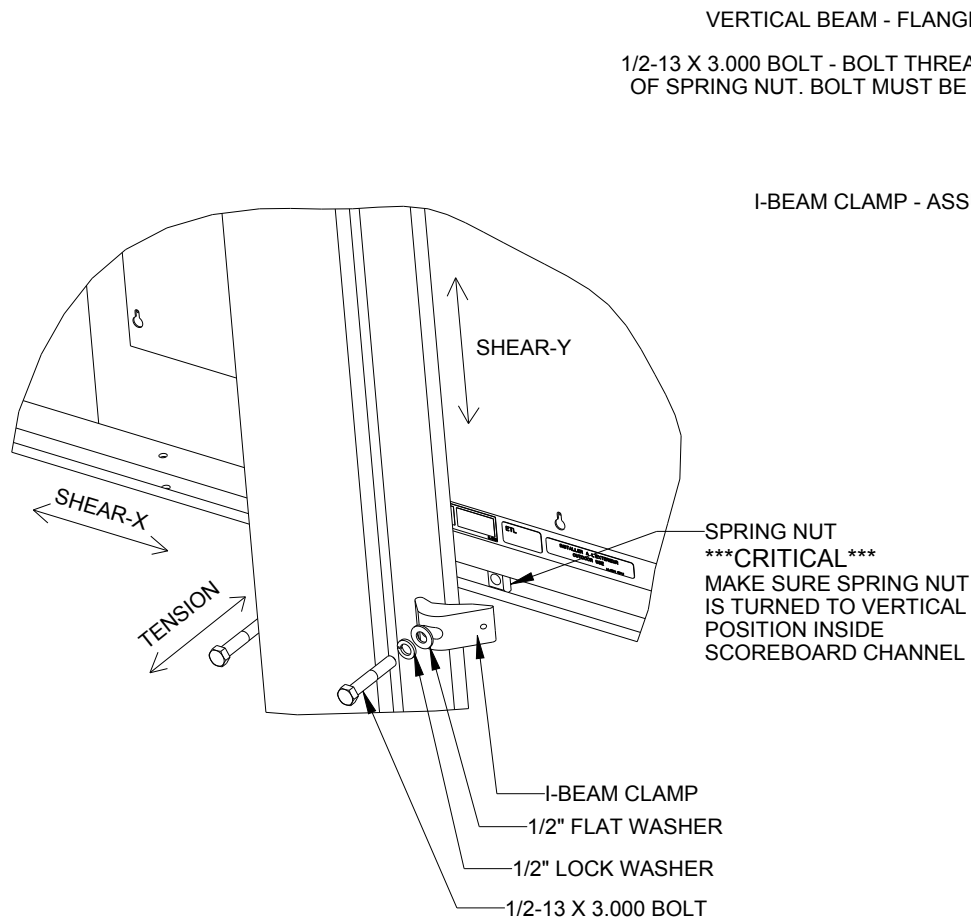
NOTES:

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.

BROOKINGS, SD 57006		THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2011 DAKTRONICS, INC.	
		DO NOT SCALE DRAWING	
PROJ: OUTDOOR SCOREBOARD INSTALLATION			
TITLE: 20' WIDTH SCOREBOARD INSTALLATION SPECS			
DESIGN: RSCHWAR		DRAWN: RSCHWAR	
SCALE: 1/16" = 1'		DATE: 27 NOV 13	
REV 02	DATE: 20 OCT 15	BY: AMP	UPDATED WIDE FLANGE SIZES UPDATED FOUNDATION SIZES NOTED WHICH DISPLAYS NEEDED BRACE
REV 01	DATE: 23 JUL 14	BY: TJT	UPDATED CLAMPS IN REAR AND SIDE VIEWS AND ADDED 170 MPH WIND SPEC COLUMN
SHEET		REV	JOB NO:
02		P1647	FUNC-TYPE-SIZE
1157190		E-10-A	



EXPLODED REAR ISOMETRIC VIEW

STANDARD MOUNTING METHOD

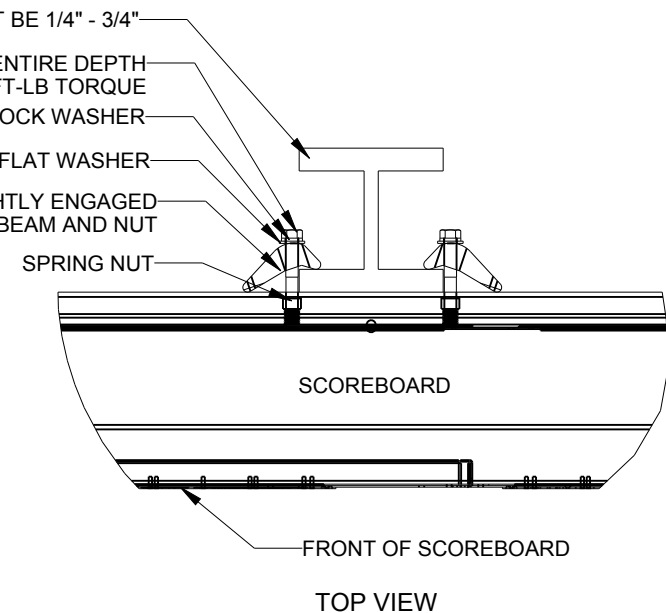
MOUNTING INSTRUCTIONS:

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

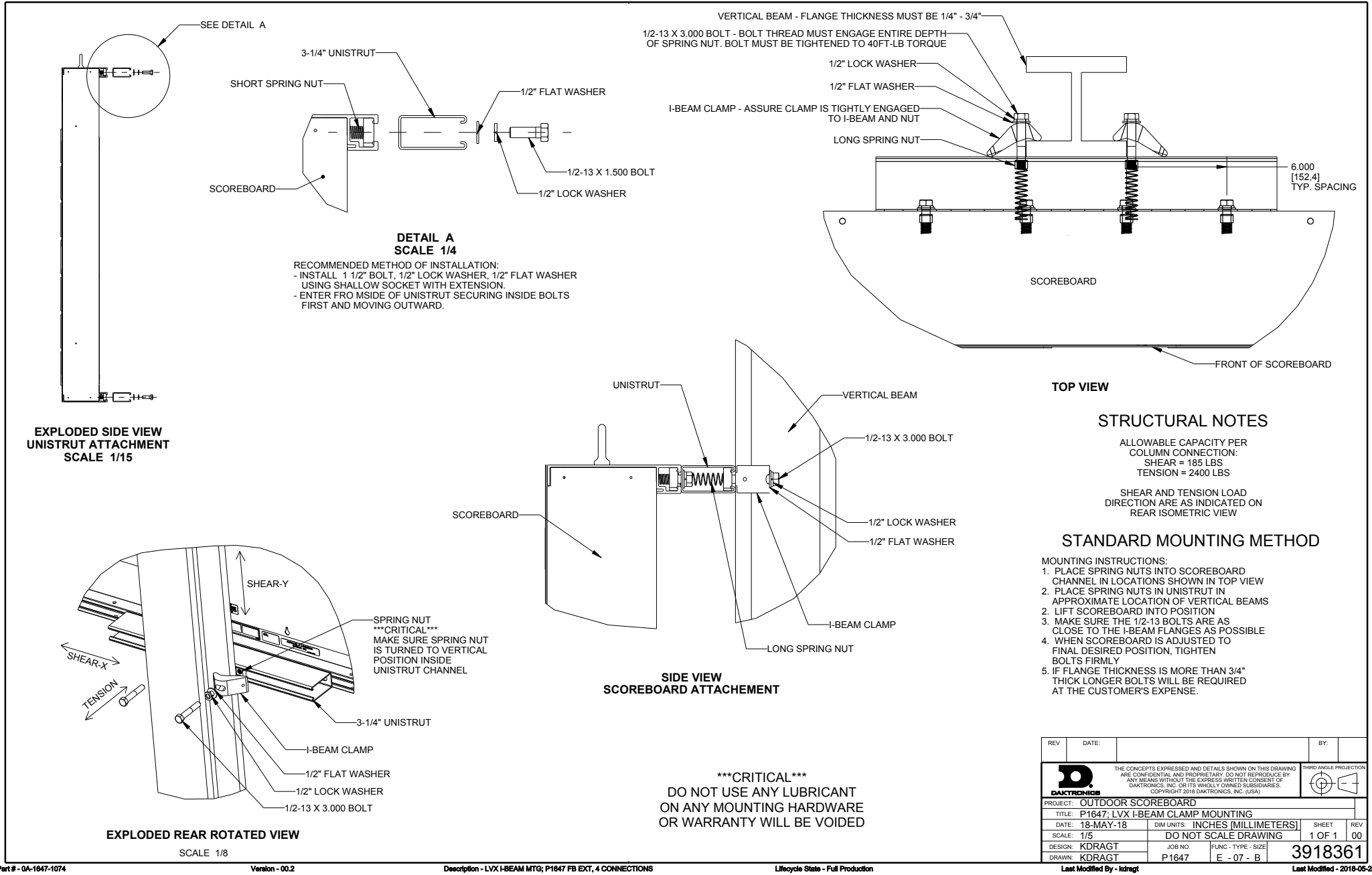
ALLOWABLE CAPACITY PER EACH CLAMP:
SHEAR = 160 LBS
TENSION = 2300 LBS

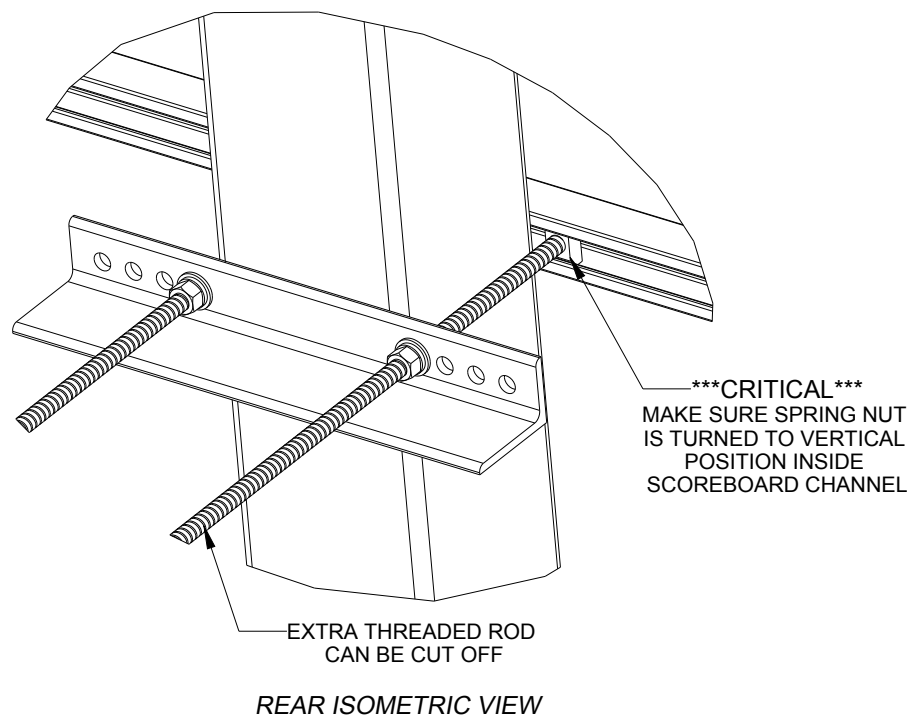
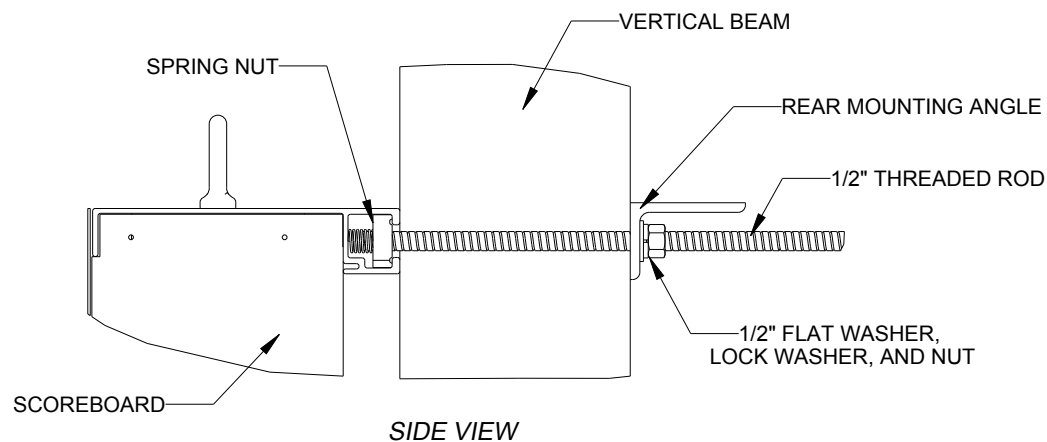
SHEAR AND TENSION LOAD
DIRECTION ARE AS INDICATED ON
REAR ISOMETRIC VIEW



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		DIM UNITS: INCHES [MILLIMETERS]		SHEET	REV
SCALE: 1/8		DO NOT SCALE DRAWING		1 OF 1	05
DESIGN: MCARSRU		JOB NO.	FUNC - TYPE - SIZE	1052565	
DRAWN: MCARSRU		P1647	E - 07 - A		

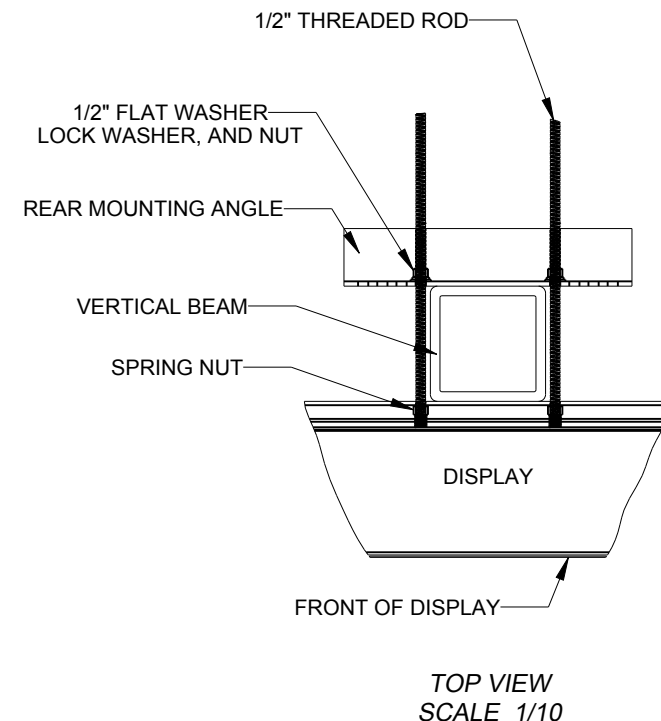




STRUCTURAL NOTES:
- BOLT TORQUE: 30 FT-LB

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

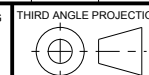


*****CRITICAL*****
DO NOT USE ANY LUBRICANT
ON ANY MOUNTING HARDWARE
OR WARRANTY WILL BE VOIDED

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:	

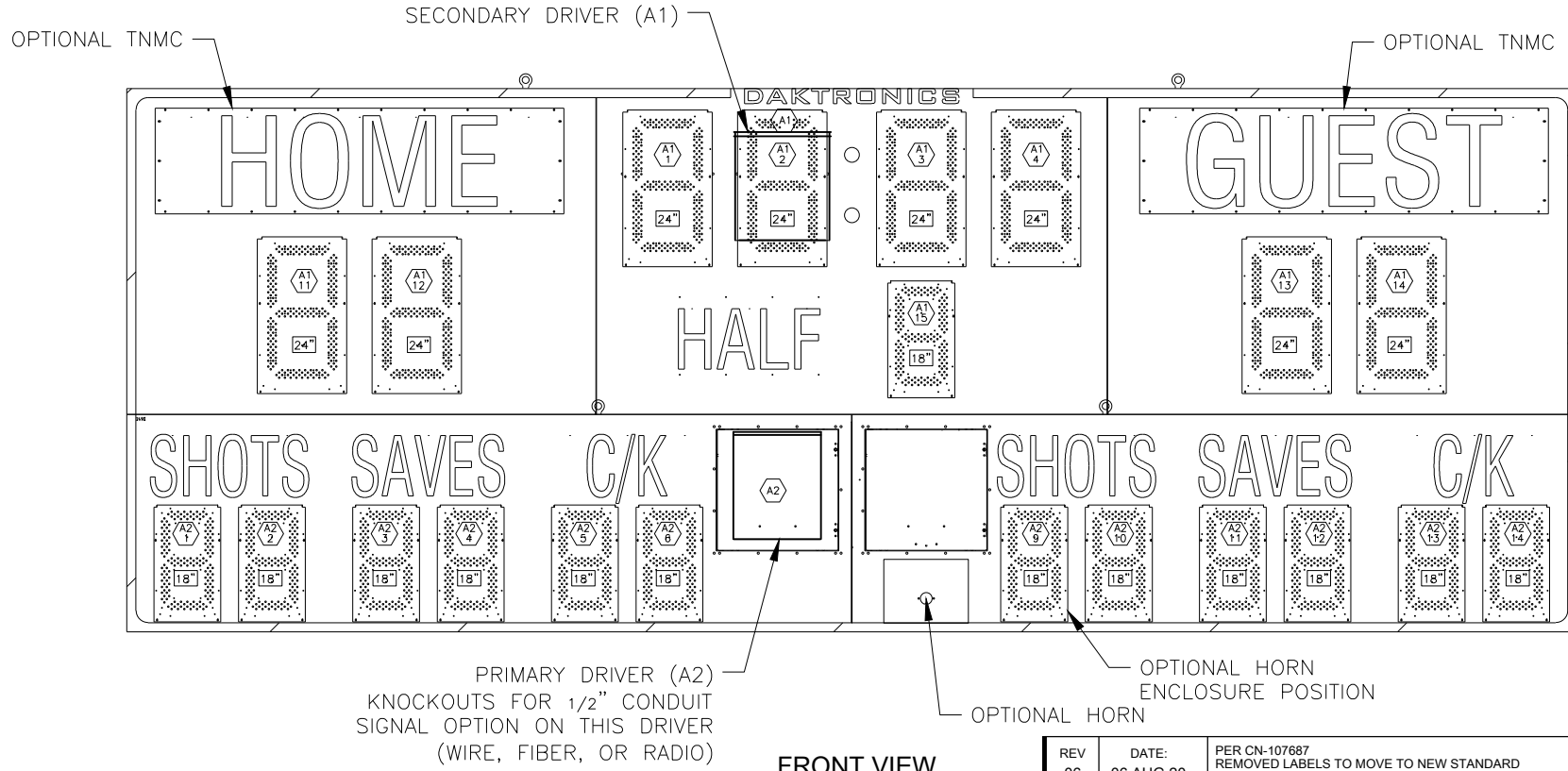


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PROJECT: OUTDOOR SCOREBOARDS				
TITLE: P1647; POLE MOUNTING OPTIONS				
DATE: 22-DEC-15	DIM UNITS: INCHES [MILLIMETERS]		SHEET	REV
SCALE: 1/5	DO NOT SCALE DRAWING		1 OF 1	04
DESIGN: DOPPELT	JOB NO.	FUNC - TYPE - SIZE	1048184	
DRAWN: DOPPELT	P1647	E - 10 - A		

SO-2011-R/A



FRONT VIEW

NOTES:

 = LED DRIVER NUMBER &
LED DRIVER CONNECTOR
WIRE TO THAT DIGIT

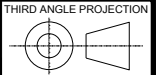
 = DIGIT SIZE

 = DRIVER NUMBER

REV 06	DATE: 06 AUG 20	PER CN-107687 REMOVED LABELS TO MOVE TO NEW STANDARD	BY: TAN
REV 05	DATE: 22 FEB 19	PER CN-70693, UPDATED LOCATION OF DAKTRONICS LOGO	BY: KDM
REV 04	DATE: 12 SEP 18	PER CN-63609, UPDATED HORN CUTOUT	BY: KDD
REV 03	DATE: 28 NOV 17	PER CN-46303, MOVED DOORS UP 2"	BY: KDD
REV 02	DATE: 27 FEB 15	PER EC-17119, REMOVED DETAIL A AND B ADDED SINGAL OPTION NOTE CHANGED SLAVE AND MASTER DRIVER NAMES	BY: KDB
REV 01	DATE: 26 JUL 12	PER EC-6680: SWITCHED DRIVER A1 TO A2 AND A2 TO A1 SWITCHED ALL CORRESPONDING HARNESSSES	BY: CJJ

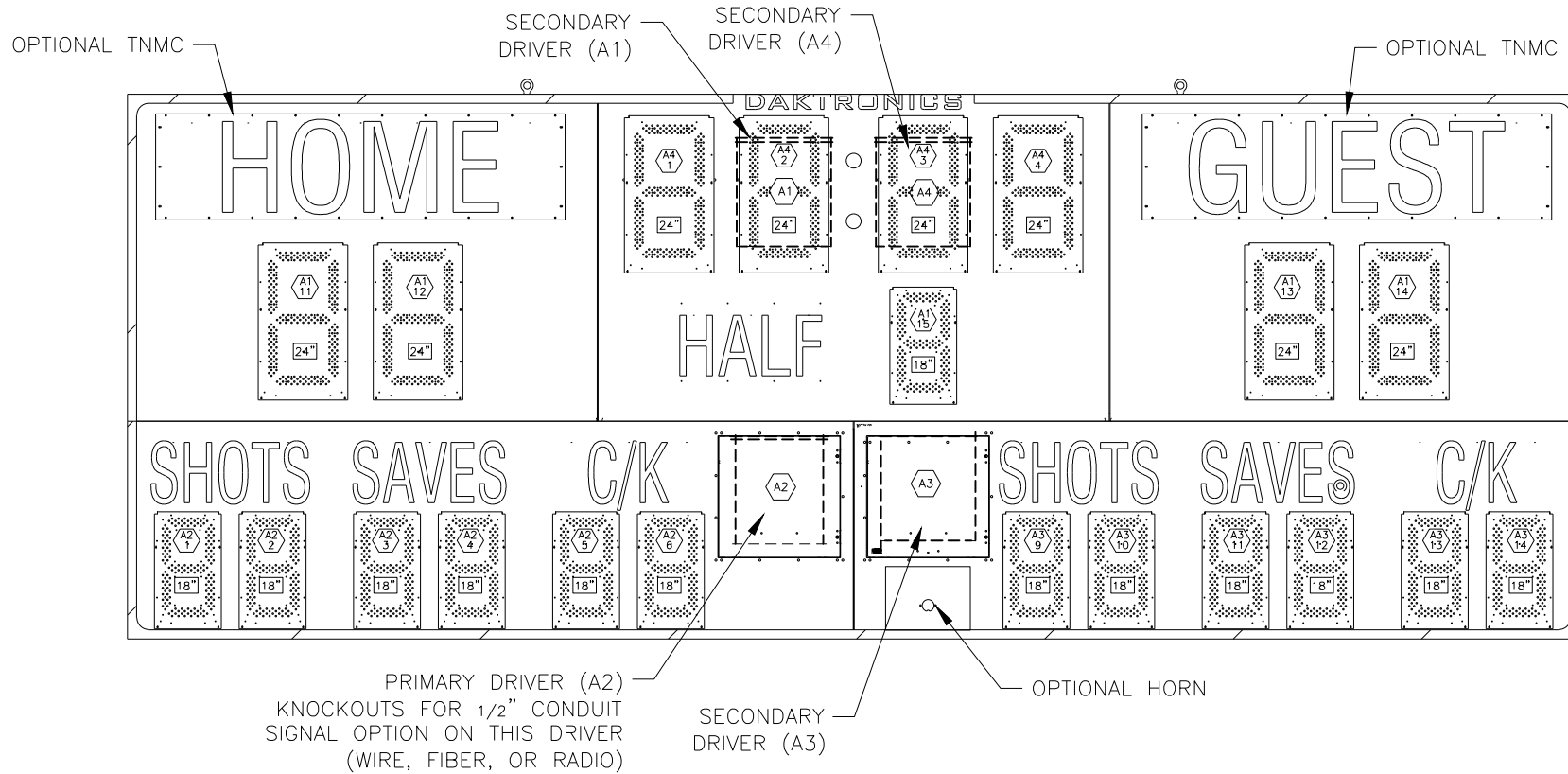


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PROJECT: OUTDOOR LED SCOREBOARDS			
TITLE: COMPONENT LOCATION: SO-2011-201X-R/A-PV-F			
DATE: 27 OCT 11	DIM UNITS: INCHES [MILLIMETERS]		SHEET
SCALE: 1=30	DO NOT SCALE DRAWING		REV 06
DESIGN: KDRAGT	JOB NO. P1647	FUNC - TYPE - SIZE E - 10 - A	1073497
DRAWN: MJOHNSO			

SO-2011-W



FRONT VIEW

NOTES:

 = LED DRIVER NUMBER & LED DRIVER CONNECTOR WIRE TO THAT DIGIT

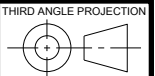
 = DIGIT SIZE

 = DRIVER NUMBER

REV 04	DATE: 20 AUG 20	PER CN-108381 REMOVED LABELS TO MOVE TO NEW STANDARD	BY: TAN
REV 03	DATE: 22 FEB 19	PER CN-70693, UPDATED LOCATION OF DAKTRONICS LOGO	BY: KDM
REV 02	DATE: 12 SEP 18	PER CN-63609, UPDATE HORN CUTOUT	BY: KDD
REV 01	DATE: 28 NOV 17	PER CN-46303, MOVED DOORS UP 2"	BY: KDD



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PROJECT: OUTDOOR LED SCOREBOARDS			
TITLE: COMPONENT LOCATION; SO-2011-201X-W-PV-F			
DATE: 20 MAR 15	DIM UNITS: INCHES [MILLIMETERS]		SHEET
SCALE: 1=30	DO NOT SCALE DRAWING		REV 04
DESIGN: KDRAGT	JOB NO. P1647	FUNC - TYPE - SIZE E - 10 - A	3024839
DRAWN: ZWOODWA			