ALL AMERICAN
SCOREBOARDS ™

37

LAP/TIME

POSITION

1 88

2 17

3 17

4 00

5 72

OUTDOOR SCOREBOARD **8814** **Auto Racing**	5-Position racing scoreboard. Qualifying Timer/Lap Counter. Able to connect to Orbits AMB or Westhold RMonitor Protocol Device (sold by others). May also connect to an Electric Eye (sold by others) through the pendant switch connector on the console.
OVERALL DIMENSION	20' high x 8' wide x 5.0" deep. Unistrut mounting (standard) adds an additional 1.625" Depth (pole mount) or an additional 3.25 (wall mount).
INFORMATION DISPLAYED	Lap Counter/Qualifying Timer, Positions 1-5, Car Number.
DIGITS	21" Bright Red, 7-Segment LEDs.
INDICATORS	None.
CAPTIONS	White vinyl letters.
HORN	Horn not included. External 100 dB Vibrating Horn or 20dB Trumpet Horn are available.
CONSTRUCTION	5" extruded aluminum frame, .093" thick, mill finish. Faces made from shatter proof polycarbonate.
STANDARD FACE COLORS **(Custom Colors Available)**	BLACK · NAVY · BLUE · LIGHT BLUE · PURPLE · BURGUNDY · RED · FOREST GREEN · GREEN
ELECTRONICS	100% solid state, microprocessor controlled system.
SERVICING	Front access for ease of servicing. Plug in modules for ease of replacement.
MICROPROCESSOR CONTROL CONSOLE	Sold separately. Extruded Aluminum, high impact low profile microprocessor control console, latest state of the art, user friendly. Size: 13.25" wide x 5" high x 9" deep. Weight: 6 lbs. Microprocessor to be supplied with 25 feet of cable (hardwire). Microprocessor control console with membrane keyboard provides for direct entry of all information. Radio Control is available.
JUNCTION BOX	One outdoor rated junction box, 5" x 3" with cover and ethernet cable. (Hardwire)
DATA CABLE	Twisted pair, direct burial, RJ45 Connectors (Hardwire).
POWER REQUIREMENTS	115/230 VAC. 50/60 Hz. Minimum one 20A circuit is recommended.
INSTALLATION	May be installed on two posts. Mounting brackets are supplied with scoreboard.
WEIGHT	Net 560 lbs / Shipping 980 lbs.
WARRANTY	Five year guarantee against defects in materials and workmanship. Factory repair service for parts in warranty. Union label. UL Certified.

STANDARD VARIATIONS

Model + RV2	Radio upgrade. 2.4 GHz spread spectrum, 1500' expected range.

COMMON ACCESSORIES - *Sold Separately.*

|	
232/485 Converter	Part Number# 019-00001. For Automated Race Monitor Control.
DB9/RJ45 Adapter	Part Number# 019-00002. For Automated Race Monitor Control.

www.allamericanscoreboards.com   MADE IN THE USA   Specifications subject to change without notice.

REV. 5/29/2018

Typical Single-Cabinet Scoreboard Installation Illustration

NUMBER OF POLES SHOWN ONLY FOR REFERENCE. MUST BE DETERMINED LOCALLY BY LICENCED ENGINEER.
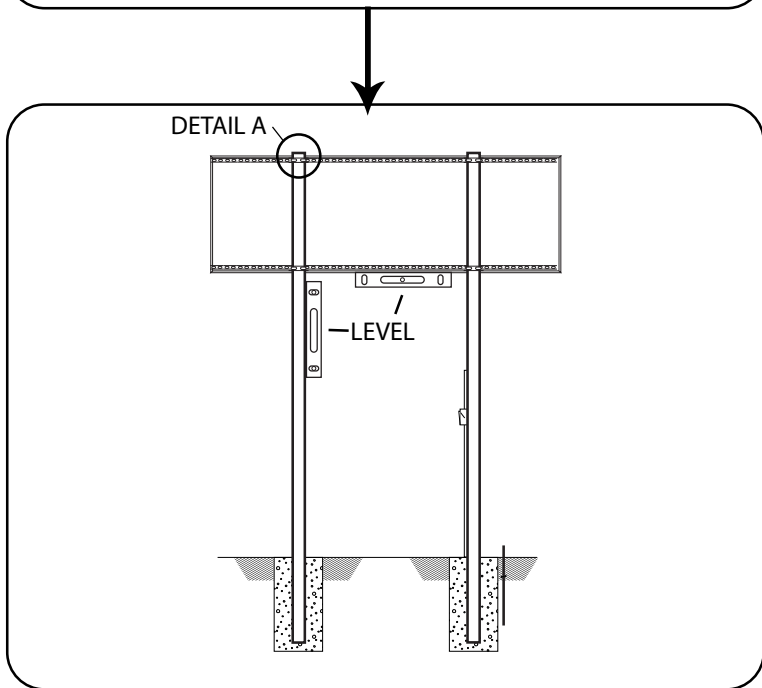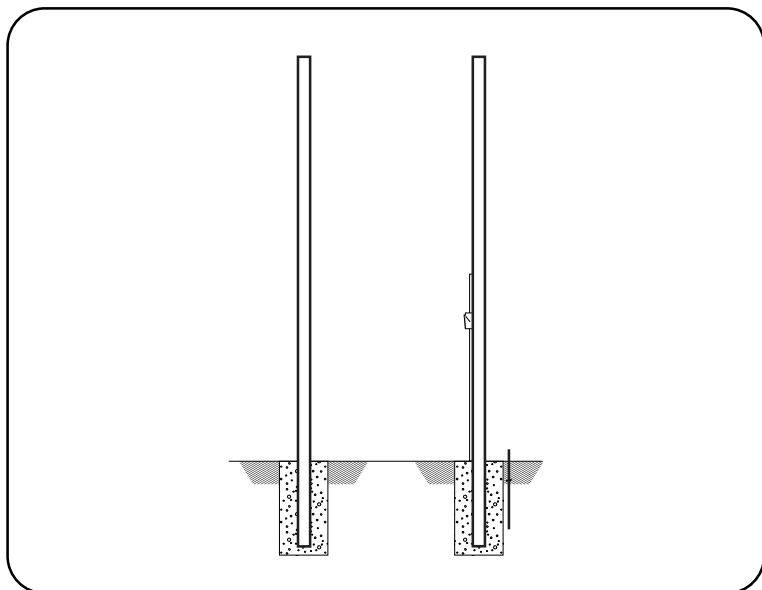
Mounting Kit
Quantity of kits depends on board and number of poles required. Installed at every point where a pole and a strut channel intersect. *Local ordinances, soil conditions and wind load requirements may require additional structure.*

Lock Washer
Spring Nut
Nut
Nut
Lock Washer
Threaded Rod
Washer
Strut Channel

Turn spring nuts clockwise to secure into strut channel.

DETAIL A

LEVEL

I BEAM
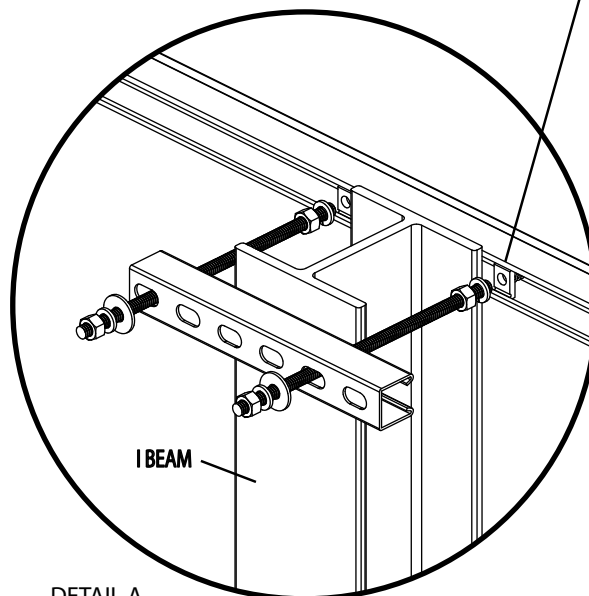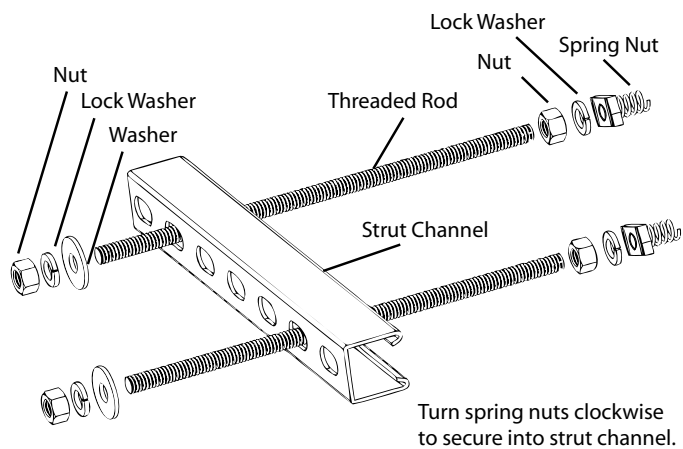
DETAIL A.
Pressure hold scoreboard cabinets to poles.
Secure with weld.

ALL AMERICAN
S C O R E B O A R D S ™

[8'-0"]
96.00

LAP/TIME
POSITION

1

2

3

4

5

ALL AMERICAN
SCOREBOARDS

CONTROLLER PLATE
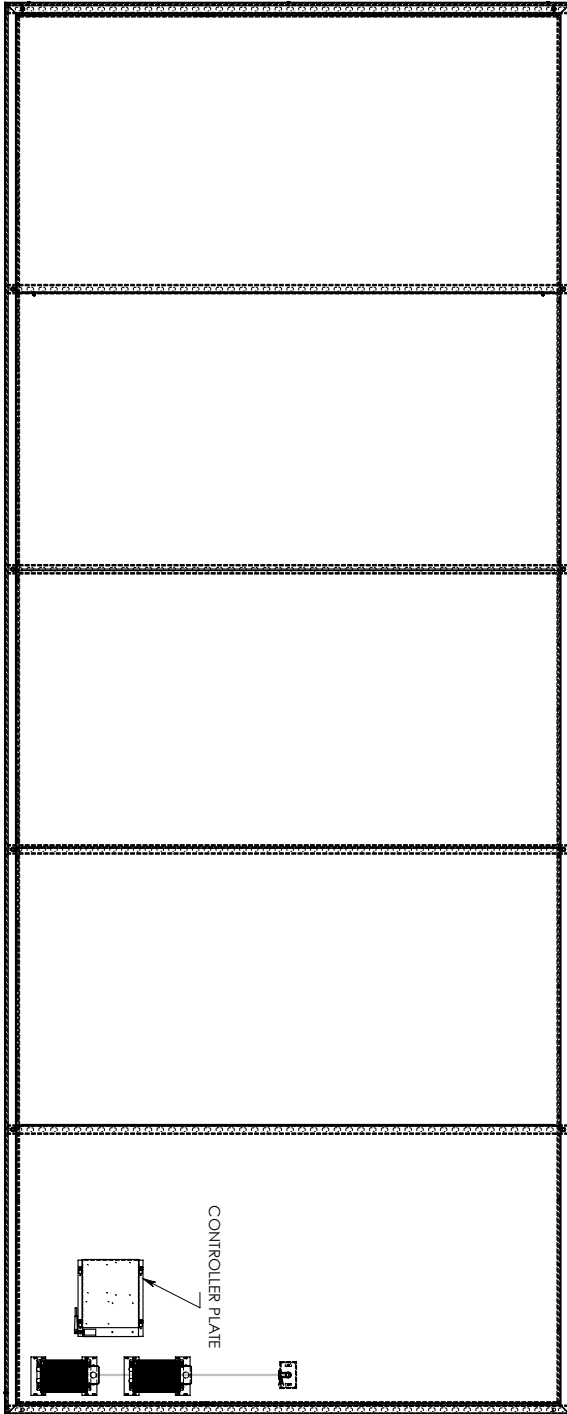
FRONT VIEW
(DOOR & FACE(s) REMOVED)

47.450

47.450

[19'-11 1/2"]
239.500

47.450

47.450

47.450

5.00

6.625
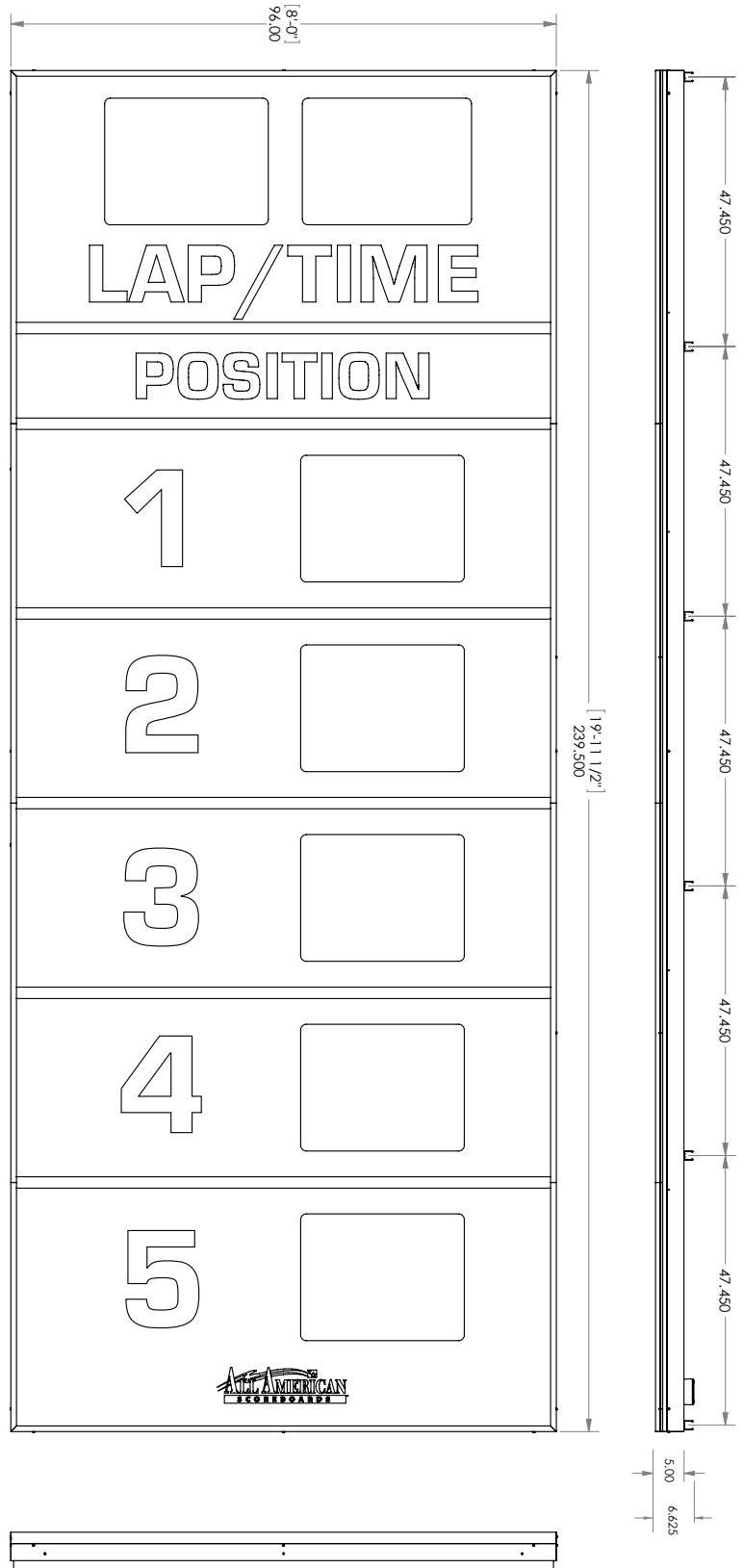
Hardwire Scoreboard Wiring
With a Standard Junction Box

8 7 6 5 4 3 2 1

Female RJ45 Connector

1 2 3 4 5 6 7 8

Male RJ45 Connector

JUNCTION BOX COVER

RJ45 CONNECTOR

CAT 5 Cable

SCOREBOARD(S)

Back of 8000 Multi-Sport Console (either connector)

Green/White	3	RD
Blue	4	WH
Blue/White	5	GN
Green	6	BK

THESE COLORS REFER TO CAT5 CABLE (568B). NUMBERS REFER TO RJ45 CONNECTION.

THESE COLORS REFER TO AAS 4-CONDUCTOR SHIELDED CABLE

JUNCTION BOX

3 - RED
4 - WHITE
5 - GREEN
6 - BLACK

Colors refer to AAS Supplied Cable
Indoor = MP-41 Outdoor = MP-40

R B G W S

RECEIVER BOARD IN SCOREBOARD

Wiring a Supplemental Display
With a Single Junction Box

JUNCTION BOX COVER
*SHIELD MAY BE GROUNDED TO PLATE UNDER COVER

GND

RJ45 CONNECTOR

Scoreboard

Timer or Additional Scoreboards

Green/White	3	RD
Blue	4	WH
Blue/White	5	GN
Green	6	BK

THESE COLORS REFER TO CAT5 CABLE (568B). NUMBERS REFER TO RJ45 CONNECTION.

THESE COLORS REFER TO AAS 4-CONDUCTOR SHIELDED CABLE

Junction Box
Single Scoreboard Wiring
(Dual Box is Standard - See Dual Wiring Diagram)

3 - RED
4 - WHITE
5 - GREEN
6 - BLACK

Colors refer to AAS Supplied Cable
Indoor = MP-41 Outdoor = MP-40

R B G W S

RECEIVER BOARD IN SCOREBOARD

3 - RED
4 - WHITE
5 - GREEN
6 - BLACK

R B G W S

RECEIVER BOARD IN AUXILIARY DISPLAY
(Typically a Delay of Game Timer or Second Scoreboard)
Hardwired Scoreboard may also be connected to a Radio Scoreboard using same method.

When wiring a scoreboard and a supplementary display (typically an additional scoreboard, delay of game timer or pitch counter) connect the wires as shown.

Weld
to Pole

Angles (supplied by others)