



UNITEC MANUFACTURING DIVISION

www.eversan.com

**MODEL 9785-4
4-SIDED L.E.D.
HOCKEY
SCOREBOARD**

Assembly Manual

Mailing Address: PO Box 260, Yorkville, NY 13495-0260

Plant Address: 34 Main Street, Whitesboro, NY 13492

Phone: 315-736-3967 • Toll Free: 800-383-6060 • Fax: 315-736-4058

**Model 9785-4
4-Sided Hockey
LED Scoreboard**

CHECK LIST

1. Four (4) scoreboards.
2. Four (4) corner advertising panels.
3. One (1) control console.
4. One (1) control cable (A) with connector and wall junction box (cable systems only/ optional).
5. One (1) control cable (B) with connectors (cabled systems only).
6. Two (2) antenna (wireless systems only).
7. One (1) Inter-connect data cable.
8. One (1) 120VAC wiring harness.
9. Eight (8) internal support beams.
10. Thirty-two (32) internal support coupling.
11. Twelve (12) Angled scoreboard inter-connect brackets.
12. Four (4) 3/4-10 x 10 inch forged eyebolts.
13. Four (4) 3/8 -16 x 5 feet threaded rods.
14. Seventy-two (72) #7 sheet-metal screws.
15. Thirty-two (32) 3/8-16 inch nuts.
16. Seventy-two (72) 3/8 inch flat washers
17. Thirty-two (32) 3/8-16 x 5 inch bolts.
18. Twenty-four (24) 3/8-16 x 8 inch bolts.

19. Fifty-six (56) 3/8-16 inch nylon lock nuts.
20. Ninety-six (112) 5/16-18 x 1 inch bolts.
21. Ninety-six (112) 5/16 inch flat washers.
22. Ninety-six (112) 5/16 inch lock washers.
23. Eight (8) 3/4-10 inch nuts.
24. Eight (8) 3/4inch flat washers.
25. One (1) bottle of lock-tight.

NOTE: Please check that these items are available prior to initial test and assembly of the scoreboard. If you are missing any items, please **call (800) 383-6060 for assistance.**

Before You Begin:

ALWAYS connect/disconnect cables before power is turned on.

NEVER service without contacting an Eversan, Inc. Technician.

NEVER service with the power on.

Out of Box Setup and Test

The Eversan, Inc. 9785-4 series scoreboard system comes ready to assemble and operate.

NOTE: Follow these instructions in order to assure correct operation and installation. Warranties will be void if the procedures below are disregarded.

Failure to test scoreboard prior to hanging will void all warranties.

Electrical Specifications: 120VAC @ 8 AMP

Electric outlets for scoreboards are always on a “clean” unused breaker box. Pay special attention to the power source and connections. **The scoreboard display can only be turned on or off by using the 120VAC outlet that it is connected to, therefore it is recommended that either a key switch or circuit breaker easily control the outlet.**

SCOREBOARD TESTING INSTRUCTIONS

General Instructions for Each Display

Cabled System:

Each scoreboard display in a cabled system is the same. They each can be tested individually. To test prior to assembling connect the 2-pin data cable into one section of the scoreboard and the other end of the cable into the control console. Power the scoreboard by plugging the power cord into a standard 120 VAC outlet. The scoreboard will go through initialization and go blank. Turn on the control console, must connect 9V adapter into 120 VAC, using the power switch on the upper left side of the console. The scoreboard should show zero in time and score and the period 1 LED should illuminate. Test all functions using the operating instructions. Repeat for each section of the scoreboard.

Wireless System:

In a wireless system one scoreboard is the receiver of the radio signals and that scoreboard then sends those signals to the other sections via a data interconnect cable. To test each scoreboard prior to assembly you must first test the receiver scoreboard. The receiver scoreboard is the scoreboard with an antenna connector left of the minutes next to the horn holes. Attach one antenna to the scoreboard and the other antenna to the control console. The power up sequence for the wireless system is very important. **Always power-up the scoreboard first by plugging the power cord into a standard 120 VAC outlet. The receiver scoreboard will display dashes in each display; time, scores, and penalty times. Only when you have the dashes showing, on the receiver scoreboard, is it ready for you turn on the control console, attach 9V adapter to 120 VAC outlet, using the power switch in the upper left-hand of the console. Upon powering up the console will initialize the radio system and the receiver scoreboard will go through a checkout by showing an 8 in each section of the receiver scoreboard and then set zero in the time, score and illuminating the first period.** You can now test the scoreboard using the operating instructions. To test the next section of the scoreboard connect the data inter-connect cable from the receiver scoreboard to another section and repeat the steps for initializing the wireless system. You will observe that the non-radio receiving sections will go through an initialization when plugged into 120 VAC and then go blank, but once the control console is turned on they will work in sync with the receiver scoreboard.

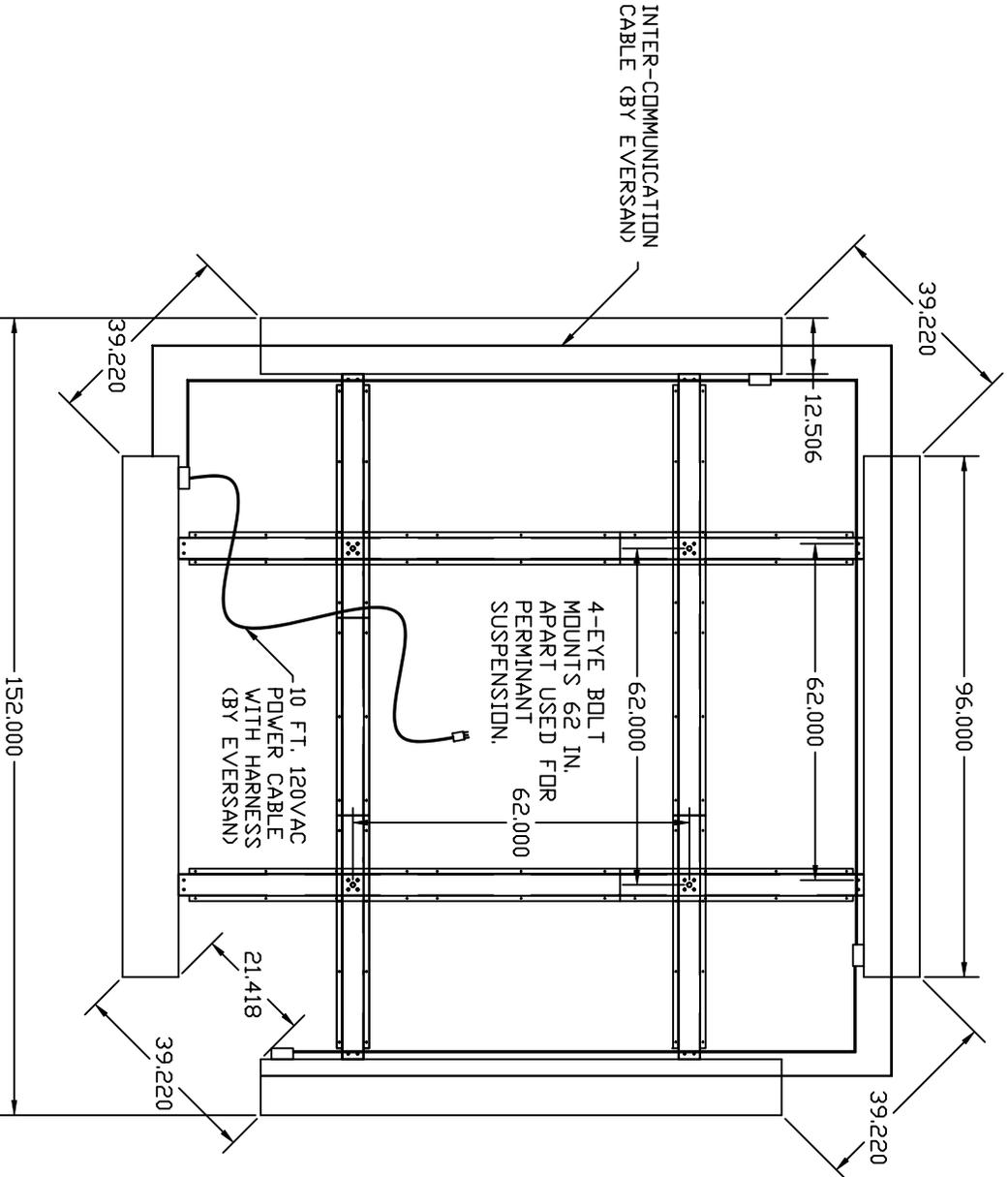
Wall or Floor Junction Box: (Cabled System Only)

Mount on the wall or in the floor near the desired scorer table.

See assembly and wiring drawings to prepare system for hanging.

Eversan, Inc. 34 Main Street Whitesboro, NY 13492 315-736-3967 1-800-383-6060 Fax: 315-736-4058

TOP VIEW OF 9785-4



9785-4 SPECIFICATIONS - MECHANICAL

BOTTOM WIDTH: 132.25 IN.

TOP WIDTH: 152.00 IN.

HEIGHT BEFORE AD PANEL: 77.50 IN.

HEIGHT WITH 2' AD PANEL: 101.50 IN.

TOTAL HANGING WEIGHT WITH AD PANELS: 1800 LBS

SPECIFICATIONS - ELECTRICAL

VOLTAGE REQUIREMENT: 120VAC.

TOTAL POWER REQUIRED: 500 WATTS.

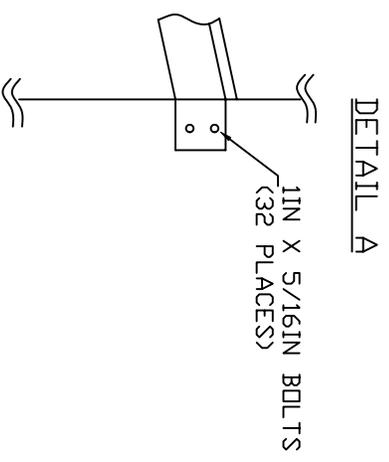
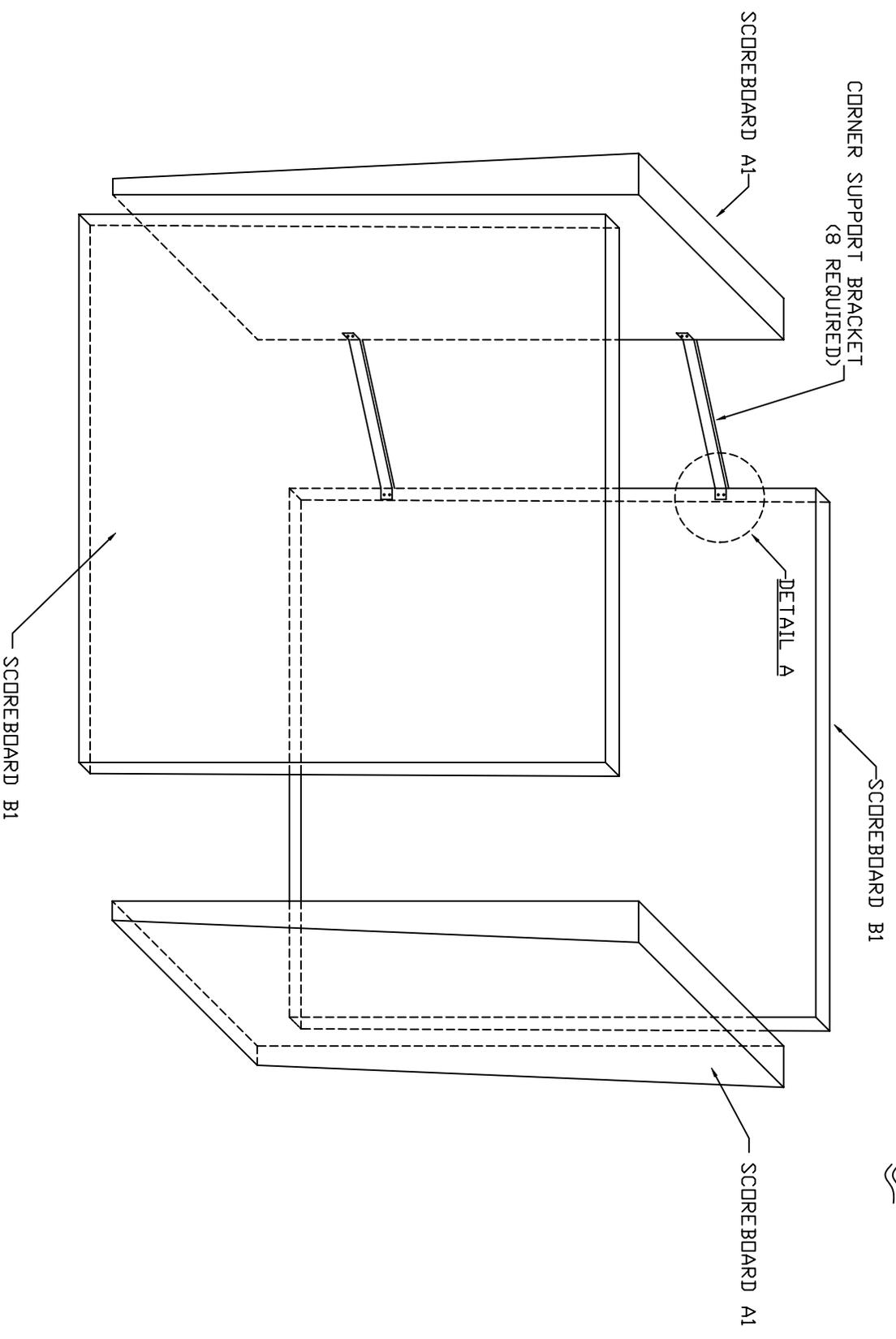
SCOREBOARD SUPPLIED WITH A WIRING HARNESS MADE UP OF 4-STANDARD DUAL OUTLETS ALL PRE-WIRED AND READY TO INSTALL ON THE BACK OF EACH SECTION OF THE SCOREBOARD. LEAD CORD LENGTH FOR THIS HARNESS IS 10 FT.

DATA CABLE SCOREBOARDS: 2-CONDUCTOR SHIELDED TWISTED PAIR BETWEEN SCOREBOARD SECTIONS SUPPLIED BY EVERSSAN. CABLE FROM CONTROL CONSOLE TO THE SCOREBOARD ORDERED TO LENGTH (CABLED BOARD ONLY).



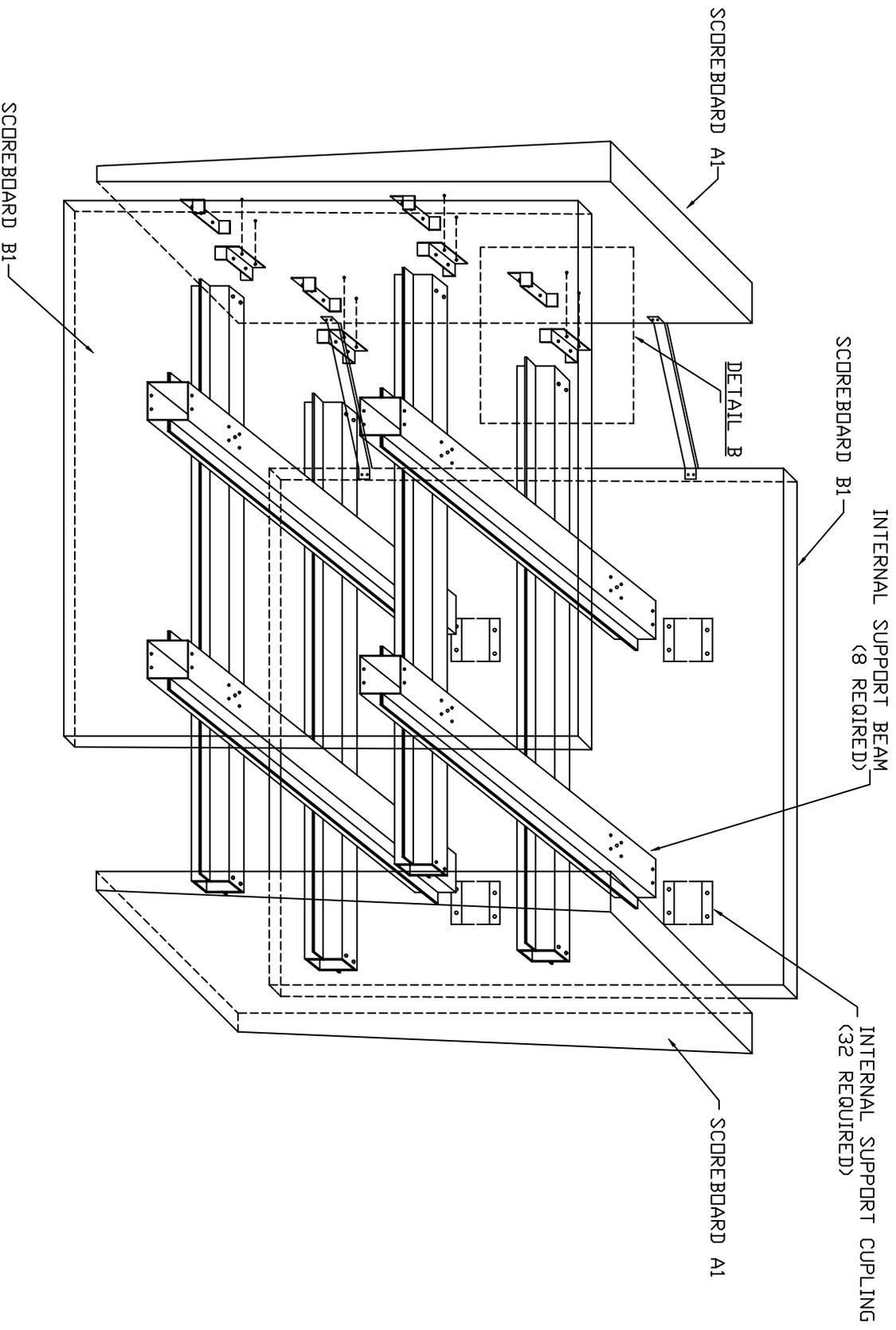
STEP #1

POSITION THE BACKS OF SCOREBOARD A1 & B1 AT 90°. LOOSELY FASTEN SCOREBOARD A1 & B1 WITH CORNER SUPPORT BRACKET. USE 1IN X 5/16IN BOLTS TO SECURE CORNER SUPPORT BRACKET. ONCE SCOREBOARDS ARE TOGETHER TIGHTEN BOLTS.



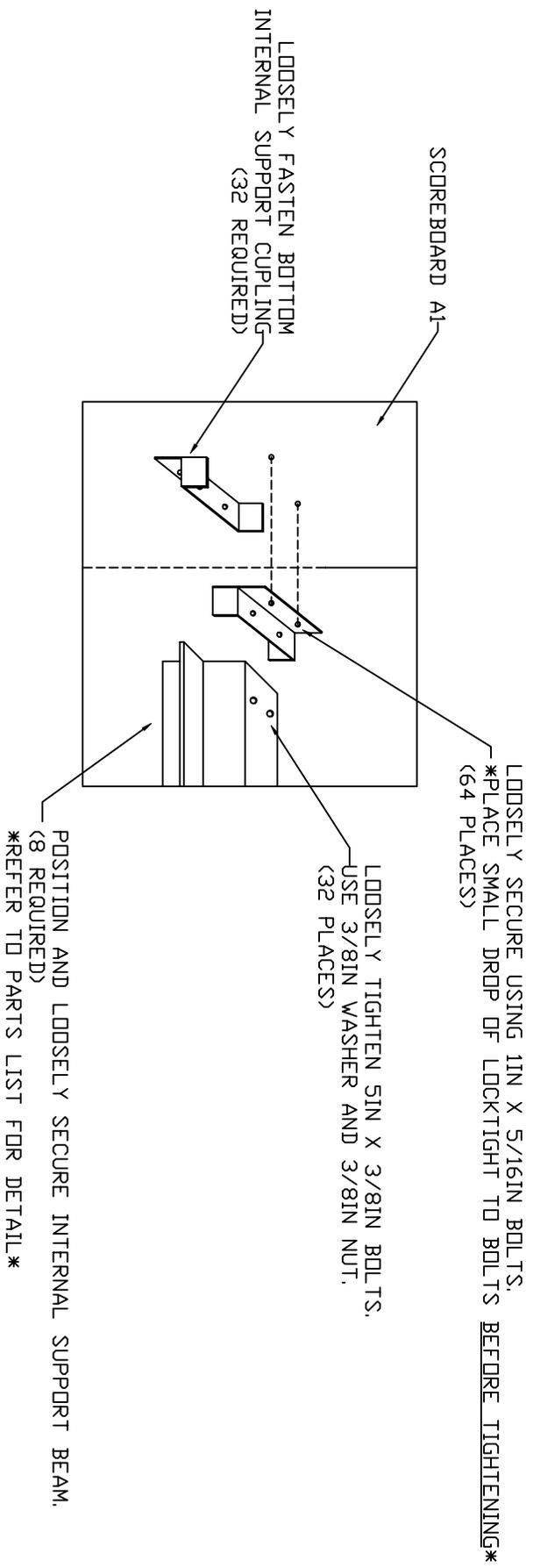
STEP #2

LOOSELY FASTEN INTERNAL SUPPORT CUPLING TO LOWER HOLES ON ALL SCOREBOARDS.
PLACE SMALL DROP OF LOCKTIGHT TO BOLTS BEFORE TIGHTENING
ALIGN INTERNAL SUPPORT BEAM ONTO LOWER SUPPORT CUPLING.
(THE SCOREBOARD OPPOSITE OF EACH OTHER SHOULD HAVE SAME HOLE SETTING).
FASTEN TOP INTERNAL SUPPORT CUPLING TO UPPER HOLES.
LOOSELY FASTEN 5/16 X 3/8 IN BOLTS,
ONCE ALL IS ALIGNED PROCEED TO TIGHTEN.

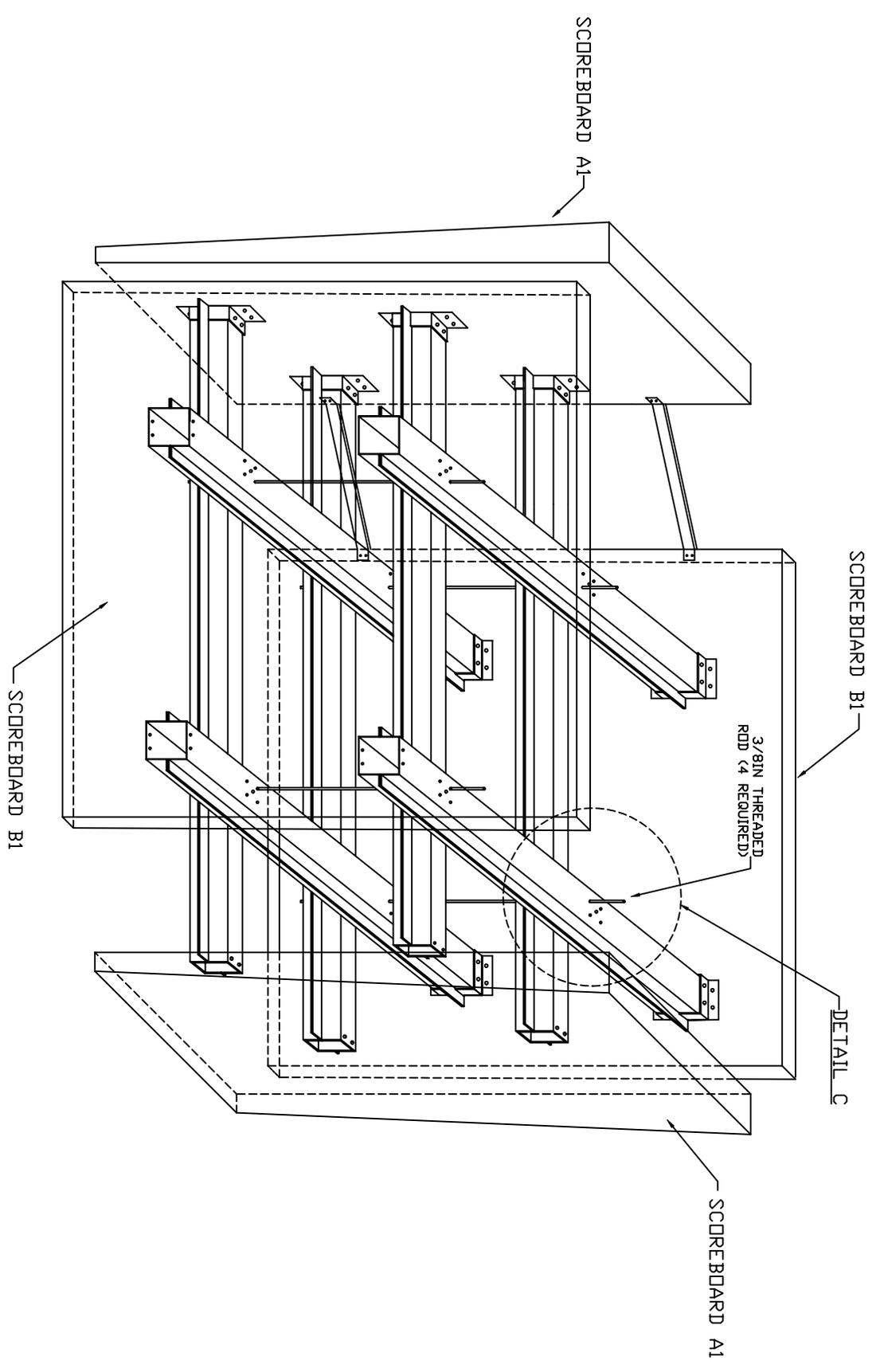


STEP #2 ASSEMBLY CLOSE-UP

DETAIL B

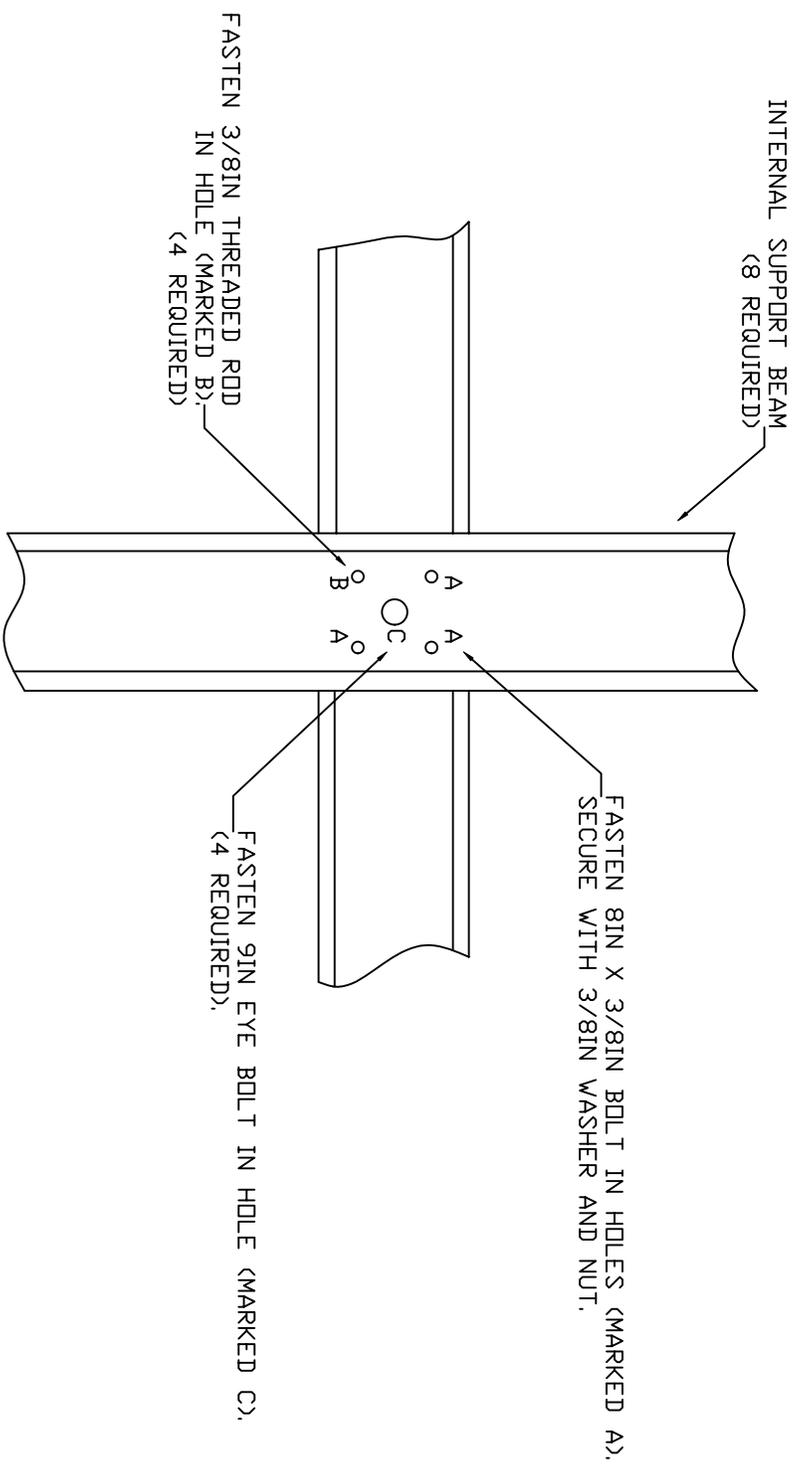


STEP #3
LOOSELY FASTEN 5/16 X 3/8 IN BOLTS IN OUTER HOLES (MARKED A),
FASTEN 3/8 IN THREADED ROD IN THE INSIDE HOLES (MARKED B),
FASTEN 9/16 IN EYE BOLT IN CENTER HOLES (MARKED C),
WHEN STRUCTURE IS ALIGNED TIGHTEN ALL BOLTS.

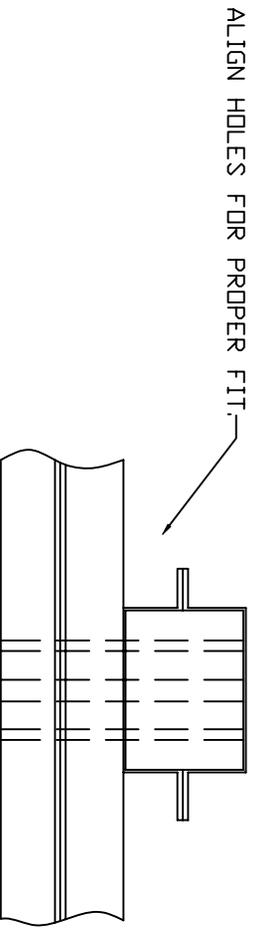


STEP #3 ASSEMBLY CLOSE-UP
DETAIL C

TOP VIEW

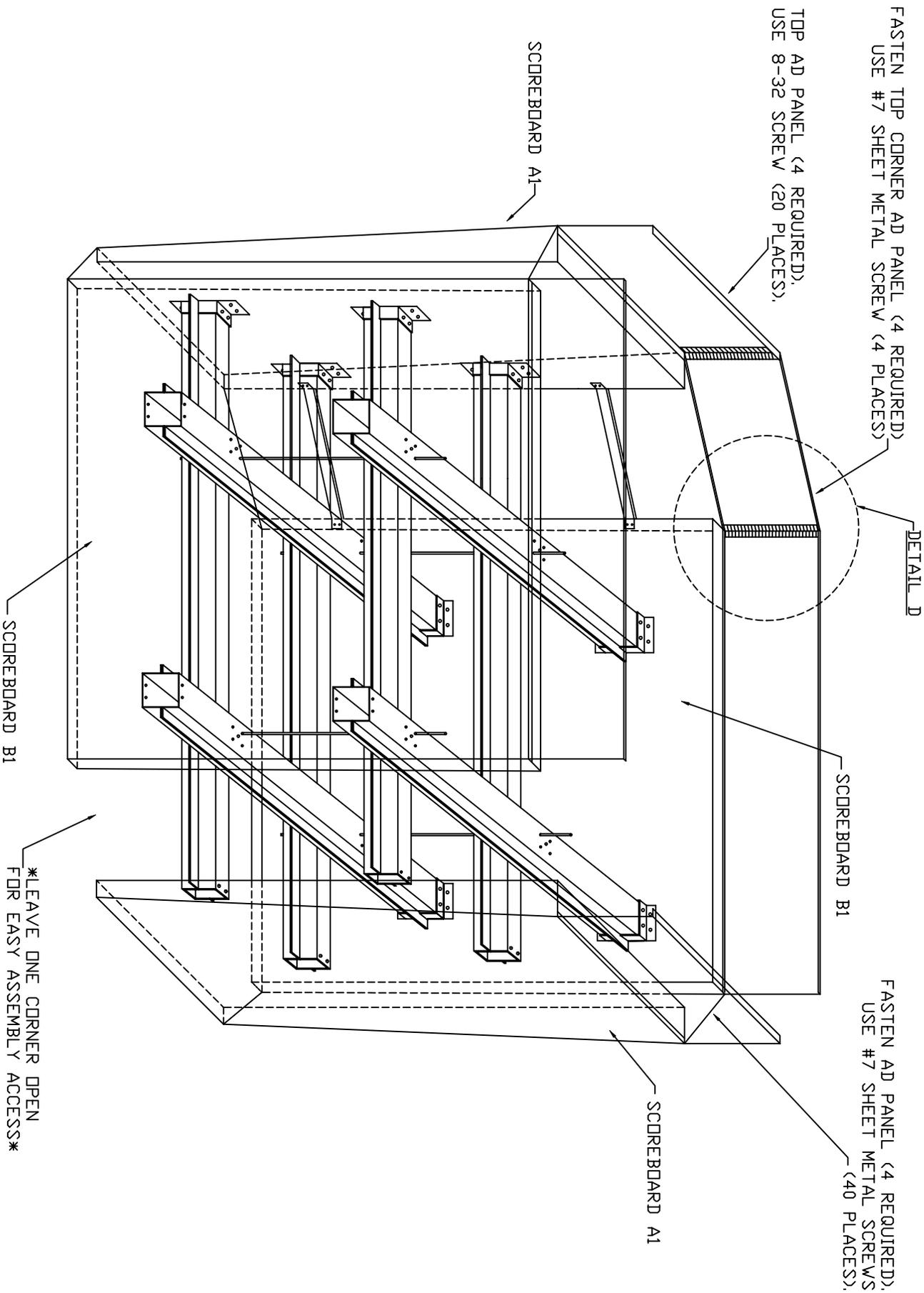


SECTIONAL VIEW



STEP #4

LEAVE ONE CORNER AD PANEL OFF FOR EASY ASSEMBLY ACCESS
FASTEN TOP AD PANEL TO SCOREBOARD. (USE 8-32 SCREWS).
FASTEN UPPER CORNER AD PANELS. (USE #7 SHEET METAL SCREWS).
FASTEN AD PANEL TO CORNER WHEN ASSEMBLY IS COMPLETE.



STEP #4 ASSEMBLY TOP PANELS
CLOSE-UPDETAIL D

FASTEN TOP CORNER AD PANEL (4 REQUIRED)
USE #7 SHEET METAL SCREW (4 PLACES)

TOP AD PANEL (4 REQUIRED),
USE 8-32 SCREW (9 PLACES).

SCOREBOARD B1

