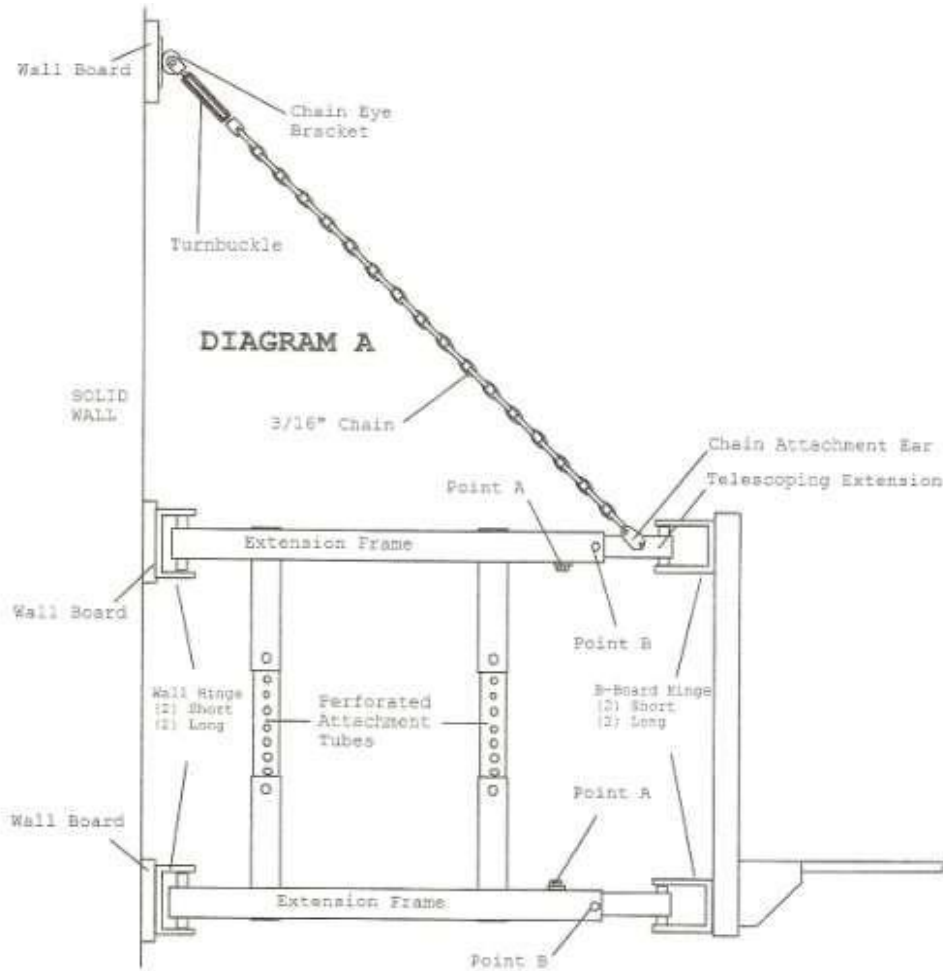


# First Team

## FoldaMount Series Installation Instructions for FoldaMount46, 68 & 82 Wall Structures



### Bill of Materials

**A (4) Extension Frame**  
**B (4) Telescoping Extension**  
**C (4) Perforated Attachment Tube**  
**D (3) 2"x8"x84" Wall Board**  
**E (2) Eye Bracket**  
**F (2) 3/16" Proof Chain (144")**  
**G (2) 3/8" Turnbuckle**  
**H (4) Chain Attachment Ear**  
**I (12) 3/8"x 2 1/2" Elevator Bolt**  
**J (52) 3/8" Flat washer**  
**K (52) 3/8" Lock washer**  
**L (40) 3/8" Hex Nut**  
**M (4) 1/2"x 1" Hex Bolt**  
**N (12) 3/8"x 2 1/2" Hex Bolt**  
**O (8) 3/8" x 1 1/4" Hex Bolt**

**P (4) 3/8" x 3" Hex Bolt**  
**Q (6) 1/2"x 3 1/2" Hex Bolt**  
**R (1) 1/2" x 5 1/2" Hex Bolt**  
**S (4) 1/2" x 6 1/2" Hex Bolt**  
**T (10) 1/2" Locknut**  
**U (4) 3/8" x 1 1/2" Lag Screw**  
**V (2) 1/4" Quick Links**  
**W (2) Short Wall Hinge**  
**X (2) Long Wall Hinge**  
**Y (2) Short Backboard Hinge**  
**Z (2) Long Backboard Hinge**  
**ZZ (1) Structure Lock Assem.**  
**A2 (1) Structure Lock Mounting Bracket**  
**B2 (1) Adjustment Crank**  
**C2 (1) Adjustment Loop**

# CAUTION!!!

Wall mount structures require a minimum ceiling and wall height as well as an acceptable wall mounting surface. Brick, block, or poured concrete walls are superior. It is inadvisable to mount structures to walls with wood or steel studs unless additional work approved by an engineer is done to provide additional support. First Team does not provide wall anchors with any structure. The purchaser assumes liability for the installation of any wall mounting structure. Consult a professional architect, engineer, or contractor to determine safe methods of installation to your facility's wall construction.

## Note!!!

All assembly materials are supplied except hardware to attach the wall boards to the customer's wall. Attachment method and type of anchor used are the responsibility of the installer.

1. Inspect all contents prior to installation. Report any missing parts immediately to First Team at 1-888-884-6677.

Read all instructions before proceeding.

2. Using diagram B, determine the appropriate pre-drilled holes on the 2"x8" wall boards in which to install the flanged elevator bolts. (This determination is based upon the backboard that will be attached to the wall structure) Using a hammer, install the flanged elevator bolts into the back of each wall board in the appropriate holes.
3. Mount the two chain eye brackets to the top wall board using 3/8" flat washers, lock washers and hex nuts. This wall board assembly will be mounted in the top position on the wall.
4. Mark the center line of the court on the wall. Fasten the 3 wall boards to the wall at the heights for your backboard indicated on diagram C. Make certain the wall boards are centered with the center line of the court. Drill holes in wall boards according to the position and type of wall anchor chosen. **NOTE:** Anchor each wall board in no less than four places. If the wall is masonry (Brick over block), block, or poured concrete **and** it's possible to drill through the wall **and** you have access to the other side of the wall it is strongly recommended that the installer bolts through the wall using 1/2" bolts.

## WARNING!!!

SEVERE INJURY TO PLAYERS OR FANS MAY RESULT FROM FAILURE TO SELECT A PROPER ANCHORING SYSTEM GIVEN THE CONSTRUCTION AND CONDITION OF THE WALL OR THE IMPROPER USE OF THE PROPER ANCHORING SYSTEM.

5. Attach a turnbuckle and 3/16" proof chain to each chain eye bracket as shown in diagram A.
6. Next bolt together both extension frame assemblies as shown in diagram D. Make certain to bolt a left and right side together. (IF THE STRUCTURE IS BOLTED TOGETHER PROPERLY, ONE WELDED NUT WILL FACE UP THE OTHER WILL FACE DOWN, SEE DIAGRAM D) Pay careful attention to "Distance A" shown in diagram D. This distance will vary according to which backboard you are mounting. Use the chart provided with diagram D to insure proper attachment points. Secure each extension frame using (4) 3/8"x 2 1/2" hex bolts, lock washers and hex nuts. Check "Distance A" again to verify it is the correct distance for your backboard. **NOTE:** Sometimes attachment holes are slightly misaligned. If you have difficulty inserting any of the 3/8" x 2 1/2" hex bolts you should use your hand drill with a 3/8" drill bit to "Ream Out" the holes until the bolt will fit.

7. Your FoldaMount basketball systems is supplied with (2) Long Wall Hinge, (2) Short Wall Hinge, (2) Long Backboard Hinge and (2) Short Backboard Hinge. (See Figure F) It is important to identify each hinge so as to make certain your unit folds properly.
8. First determine which direction you would like your basketball unit to fold. If you would like the unit to fold to the left (as you face the unit) you will need to attach the (2) Short Wall Hinge to the upper left and lower left attachment points on your 1<sup>st</sup> & 2<sup>nd</sup> wallboards. The (2) Long Wall Hinges will attach to the upper right and lower right points respectively.

**REVERSE this configuration for structures that need to FOLD TO THE RIGHT.**

9. Attach one extension frame assembly to the upper left and lower left wall hinges using (2)  $\frac{1}{2}$ "x 6  $\frac{1}{2}$ " hex bolt and (2)  $\frac{1}{2}$ " locknut. **Do not over tighten hinge bolts, bolts should be tightened without impeding free hinge movement.** IMPORTANT: Make sure to position the extension frame assembly with the Perforated Attachment Tubes and Structure Lock Attachment Ears facing "in" to the center of the structure (see Diagrams A & D for clarification). Insert and adjust two telescoping extensions to the approximate desired distance from the wall. Tighten the telescoping extensions in place by inserting (1)  $\frac{1}{2}$ "x 1" hex bolt into the welded nut located on the extension frame assembly (see "Point A" of diagram A). Tighten bolt down until it is snug against the telescoping extension. These will be re-adjusted in a later step.
10. Attach the other extension frame to the upper right and lower right wall hinges as outlined in step #7.
11. Bolt the (4) chain attachment ears to the upper telescoping extensions (two ears per extension) using a  $\frac{3}{8}$ "x 3" hex bolt, lock washer and hex nut.
12. To complete this step it is important to make certain that the turnbuckles attached to the top wall board have been unscrewed far enough to provide an adequate amount of adjustment when tightened. Next, attach the chains to the chain attachment ears through the second set of holes using a  $\frac{3}{8}$ "x 3" hex bolt, lock washer and hex nut (make sure chains are snug). Then, using a level on the extension frame assembly adjust the chains with the turnbuckles until the frame is level in all directions. **DO NOT REMOVE EXCESS CHAIN UNTIL THE ASSEMBLY IS COMPLETE!!! NOTE: IF  $\frac{3}{8}$ " BOLT IS TOO LARGE TO FIT THROUGH CHAIN LOOP, ATTACH (1)  $\frac{1}{4}$ " QUICK LINK INCLUDED TO END OF CHAIN FOR BOLT TO PASS THROUGH.**
13. Next, attach the (2) Long Backboard Hinge to the upper left and lower left telescoping extensions using (2)  $\frac{1}{2}$ " x 3  $\frac{1}{2}$ " hex bolt and (2)  $\frac{1}{2}$ " locknut. Additionally, attach the (2) Short Backboard Hinge to the upper right and lower right telescoping extension. (See Diagram A) **Do not over tighten hinge bolts, bolts should be tightened without impeding free hinge movement. IMPORTANT: Remember, this configuration is assuming the backboard will be folding to the LEFT. REVERSE THIS CONFIGURATION IF FOLDING TO THE RIGHT.**
14. Now, re-adjust all four telescoping extensions to the EXACT DISTANCE for proper "wall to backboard" distance and secure using the  $\frac{1}{2}$ "x 1" hex bolts (see "Point A of diagram A). **IT IS EXTREMELY IMPORTANT THAT ALL FOUR EXTENSION FRAMES BE EXACTLY THE SAME DISTANCE FROM THE WALL IN ORDER TO PREVENT UNNECESSARY BACKBOARD STRESS!!!**

## **WARNING!!!**

**Failure to have all mounting plate hinges in the same plane will create stress on the backboard and may result in breakage of glass backboards before, during or after play!**

15. Mount backboard to structure using mounting hardware provided with the backboard. If no mounting hardware is included with your particular backboard, try using the extra  $\frac{3}{8}$ "x 1  $\frac{1}{4}$ " hex bolts, flat washers, and lock washers supplied with this structure. Note: If you purchased an FT275 or FT280 fiberglass backboard you must first remove the plastic plugs inserted in the attachment holes before attaching board to structure.

16. Make sure the backboard is level. When you are confident that the board is level, the proper distance from the wall, and there is no stress on the backboard due to misalignment, drill 3/8" holes at the pilot holes at "Point B" (diagram A) on both frames and secure with a 3/8" x 2 1/2" hex bolt, lock washer and hex nut.
17. Mount rim and net insuring that rim is level and at 10' above playing surface.
18. Next, attach the "Structure Lock" to the "Structure Mounting Bracket" using a 1/2"x 3 1/2" hex bolt and lock nut as shown in Diagram E. Do not tighten too tightly. Structure lock must be allowed to pivot freely.
19. Insert "Adjustment Loop" into the welded nut on the bottom of the "Structure Lock" (See Diagram E).
20. Attach opposite end of "Structure Lock" to the "Structure Lock Attachment Ear" at the lower left location of your Extension Frame using the 1/2" x 5 1/2" hex bolt and locknut (See Diagram E). **NOTE: Use Lower Right Attachment Ear if folding to the RIGHT.**
21. Loosen "Adjustment Loop" and make sure the "Structure Lock" is fully retracted. Tighten Loop to secure Structure Lock.
22. Using a carpenter's square (or other method) make sure your extension frame structure is extended out at a correct 90-degree angle from the wall. Once you are satisfied that the backboard is extended STRAIGHT OUT from the wall, secure the "Structure Lock Mounting Bracket" to the Wallboard using (4) 3/8"x 1 1/2" Lag Screws, 3/8" Flat washers and 3/8" Lock washers. NOTE: The bottom edge of the Structure Lock Mounting Bracket should roughly match up to the bottom edge of the wooden wallboard. (See Diagram E)
23. Check to insure that all bolts are tight. However, make sure any "hinge bolts" are not too tight. Hinge bolts must be snug, but not so tight the unit will not hinge properly. When all steps are complete, remove excess chain using a bolt cutter or hacksaw.
24. Install backboard padding if applicable.
25. Do not allow play until you are confident the structure is securely mounted to the wall. The structure must be capable of supporting 1000 lbs. to be considered safe for play.

## **SIDE FOLDING INSTRUCTIONS:**

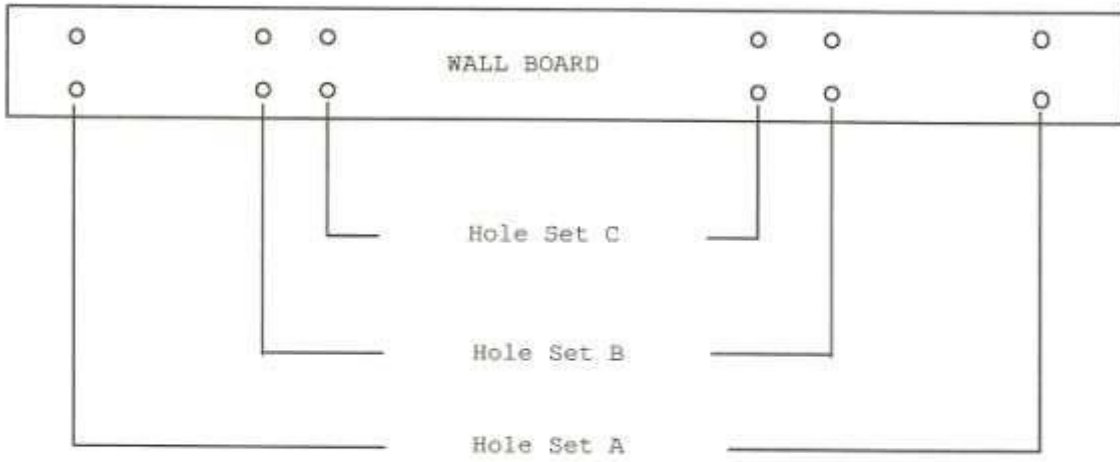
**TO FOLD YOUR BASKETBALL UNIT AGAINST THE WALL, SIMPLY USE THE CRANK HANDLE SUPPLIED WITH THE STRUCTURE TO LOOSEN THE ADJUSTMENT LOOP ON THE STRUCTURE LOCK. THEN, ONCE AGAIN USING THE HOOK AT THE END OF YOUR CRANK, GRAB ON TO THE RIM AND TUG UNTIL UNIT IS FULLY FOLDED AGAINST WALL. SECURE IN PLACE BY TIGHTENING ADJUSTMENT LOOP.**

**REVERSE THE INSTRUCTIONS ABOVE TO BRING UNIT BACK OUT FOR PLAY.**

## **ATTENTION!!!**

**WALL MOUNTED STRUCTURES SHOULD BE CHECKED YEARLY FOR LOOSE BOLTS OR ANCHORS!**

Diagram B



Hole Set	Backboard Models
A	FT234, FT235, FT265B, FT280
B	FT231
C	FT220, FT222, FT230, FT233, FT260B, FT275

Diagram C

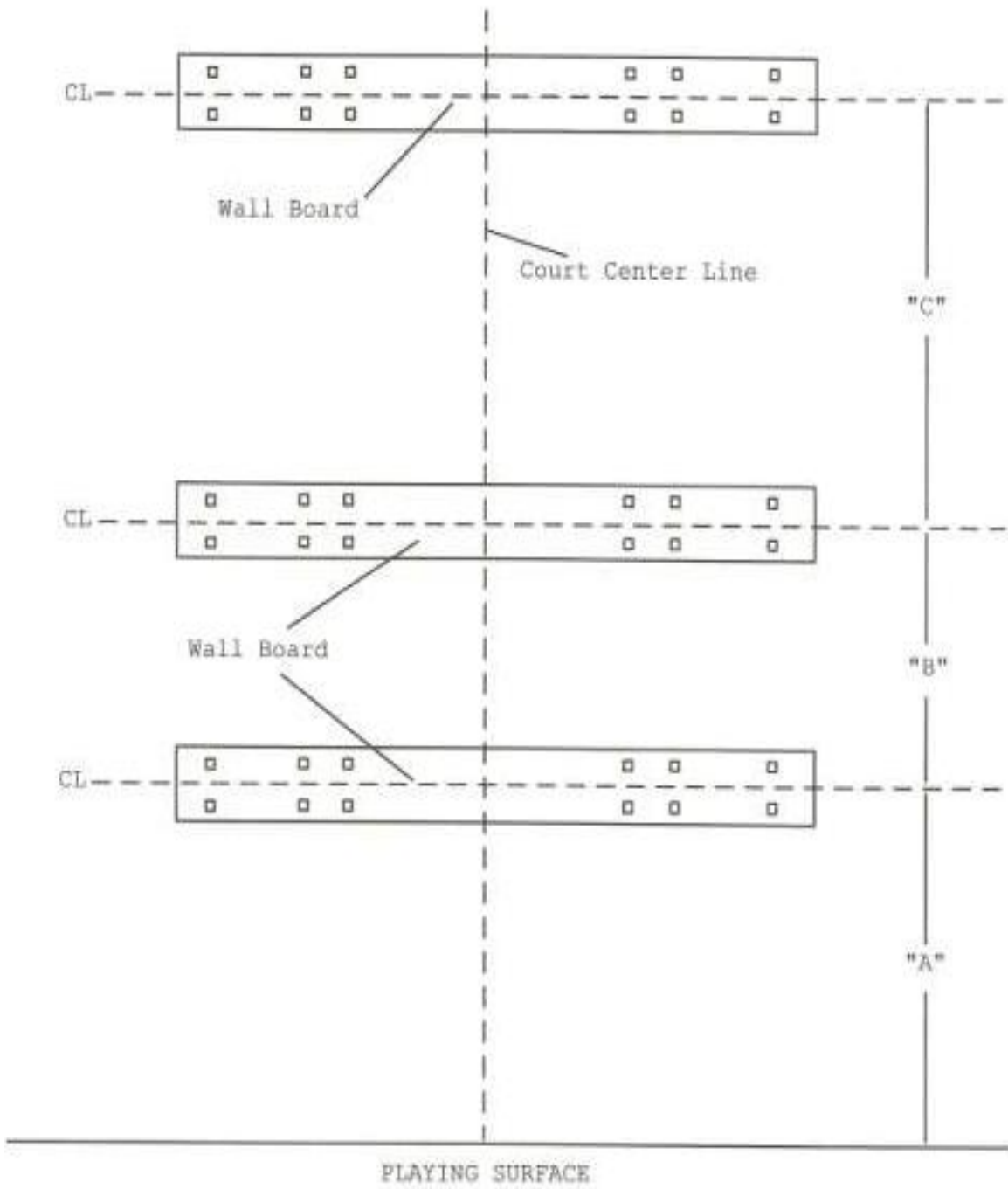
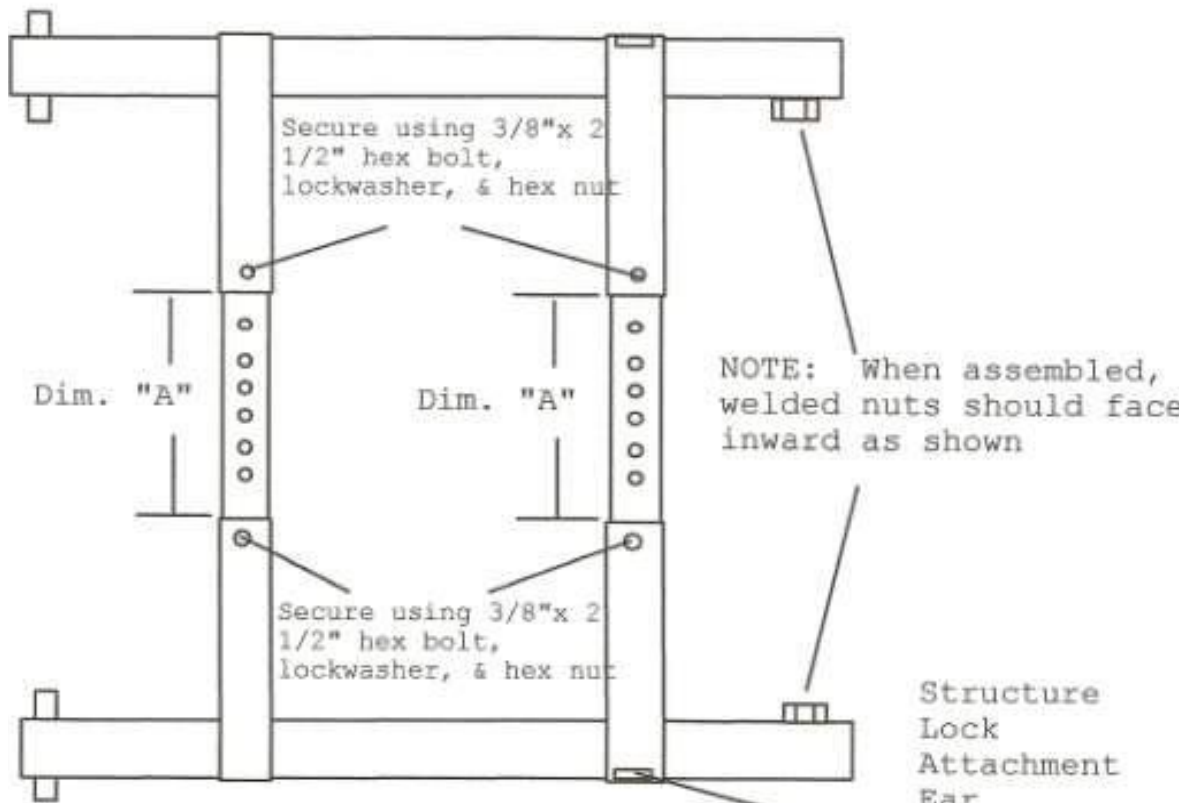


Diagram C cont'd

<b>Distance: Wall to face of backboard</b>	<b>Dimension "C"</b>
4' to 4' 11"	4' +/- 1"
5' to 5' 11"	5' +/- 1"
6' to 6' 11"	6' +/- 1"
7' to 9' 11"	7' +/- 1"
10' to 12'	10' +/- 1"
<b>First Team Backboard Models</b>	<b>Dimension "B"</b>
FT234, FT235, FT265B, FT280	36" +/- 1/4"
FT231	34" +/- 1/4"
FT220, FT222, FT230, FT233, FT260B, FT275	20" +/- 1/4"
<b>First Team Backboard Models</b>	<b>Dimension "A" from playing surface</b>
FT234, FT235, FT265B, FT280	9' 9" +/- 1/4"
FT231	9' 8" +/- 1/4"
FT220, FT222, FT230, FT233, FT260B, FT275	10' 2" +/- 1/4"

Diagram D



\*Ears always face "in"

First Team Backboard Models	Dimension "A"
FT234, FT235, FT265B, FT280	16"
FT231	14"
FT220, FT222, FT230, FT233, FT260B, FT275	0"



Diagram E  
Wall Brace Attachment Detail  
(Lower Left Example)

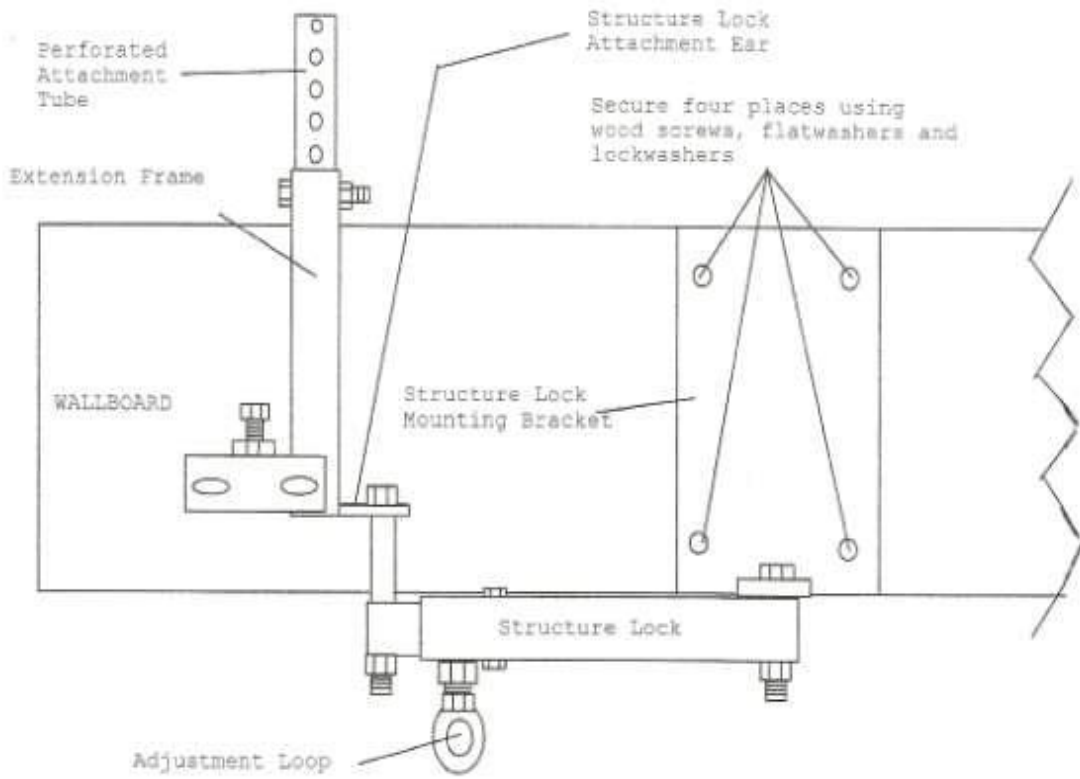


FIGURE F  
Fold-Mount Hinges

