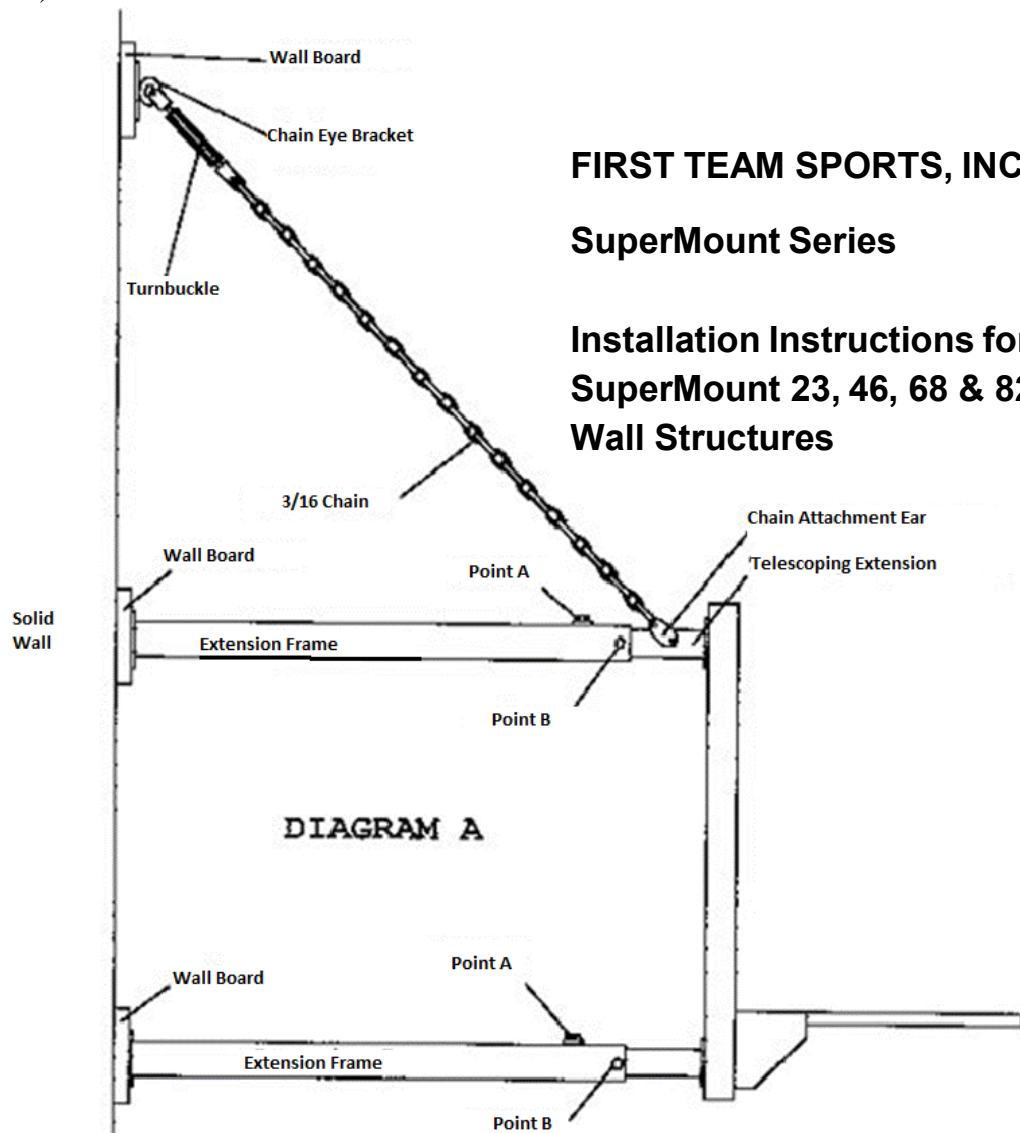


(10/2018)



### **Bill of Materials**

A (4) Extension Frame	G (2) 3/8" Turnbuckle	M (4) 1/2" x 1" Hex Bolt
B (4) Telescoping Extension	H (4) Chain Attachment Ear	N (12) 3/8" x 2 1/2" Hex Bolt
C (4) Cross Brace (SM23 only 2)	I (12) 3/8" x 2 1/2" Elevator Bolt	O (8) 3/8" 1 1/4" Hex Bolt
D (3) 2"x8"x84" Wall Board	J (20) 3/8" Flat washer	P (4) 3/8" x 3" Hex Bolt
E (2) Eye Bracket	K (36) 3/8" Lock washer	
F (2) 3/16" Proof Chain	L (28) 3/8" Hex Nut	

# 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" x 8" 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 CONTRUCTION 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, BOTH WELDED NUTS WILL BE ON THE SAME SIDE OF THE STRUCTURE. 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. Attach one extension frame assembly to the middle wall board using 3/8" flat washers, lock washers, and hex nuts. ATTN: Make certain your bolt the extension frame assembly RIGHT SIDE UP. When properly mounted, the welded nuts on the extension frame assembly will both be on the TOP side of the frame. You may need to support the extension frame assembly until step #9 is complete. Insert and adjust two telescoping extensions to the approximate desired distance from the wall. Tighten the telescoping extensions in place by inserting (1) 1/2" x 1" hex bolt into the welded nut located on the top side of 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.
8. Bolt the (4) chain attachment ears to the telescoping extensions (two ears per extension) using a 3/8" x 3" hex bolt, lock washer, and hex nut.
9. 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 3/8" x 3" hex bolt, lock washer, and hex nut (make sure the 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!!
10. Attach the lower extension frame to the lower wall board as outlined in step #7. You may need to support this extension frame assembly until the backboard is attached.
11. Insert and adjust the last two telescoping extensions to the EXACT DISTANCE for proper "wall to backboard" distance and secure using the 1/2" x 1" hex bolts (see "Point A" of diagram A). If necessary re-adjust top telescoping extension to match bottom.

**WARNING!!!**

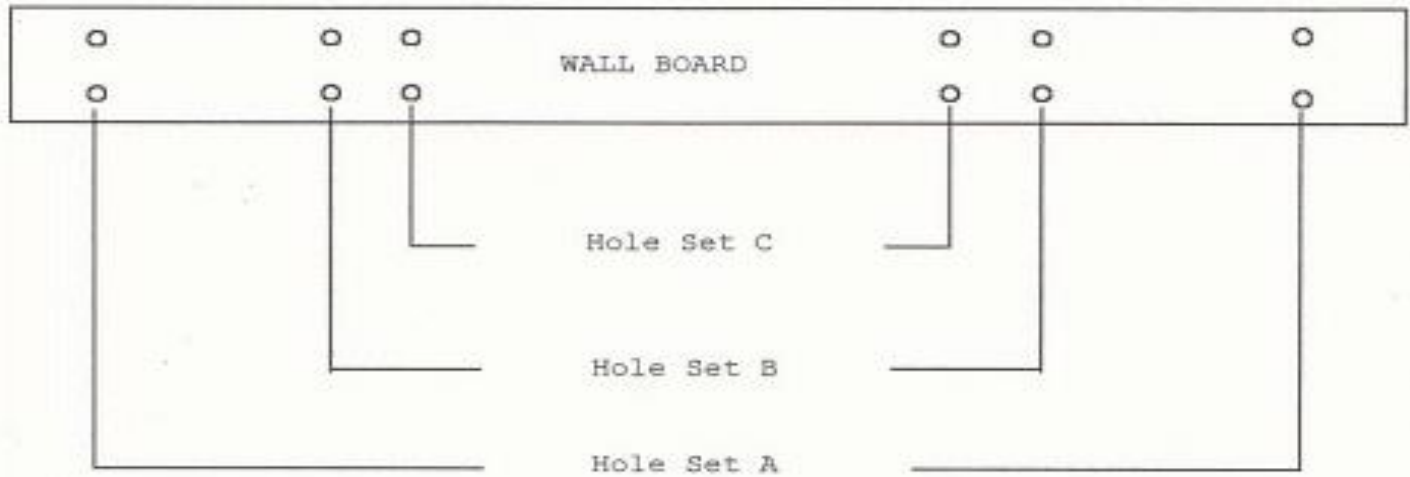
**FAILURE TO HAVE ALL MOUNTING PLATES IN THE SAME PLANE WILL CREATE STRESS ON THE BACKBOARD AND MAY RESULT IN BREAKAGE OF GLASS BACKBOARDS BEFORE, DURING OR AFTER PLAY!**

12. 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 3/8" x 1 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.
13. Make sure the backboard is level. When you are confident that the board is level, the proper distance from the wall, and that 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.
14. Mount rim and net insuring that rim is level and at 10' above playing surface.
15. Check to insure that all bolts are tight. When all steps are complete, remove excess chain using a bolt cutter or hacksaw.
16. Install backboard padding if applicable.
17. 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.

**ATTENTION!!!**

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

Diagram B



Hole Set	Backboard Models
A	FT234, FT235, FT236, FT265B, FT280
B	FT231
C	FT220, FT222, FT230, FT233, FT260B, FT275

Diagram C

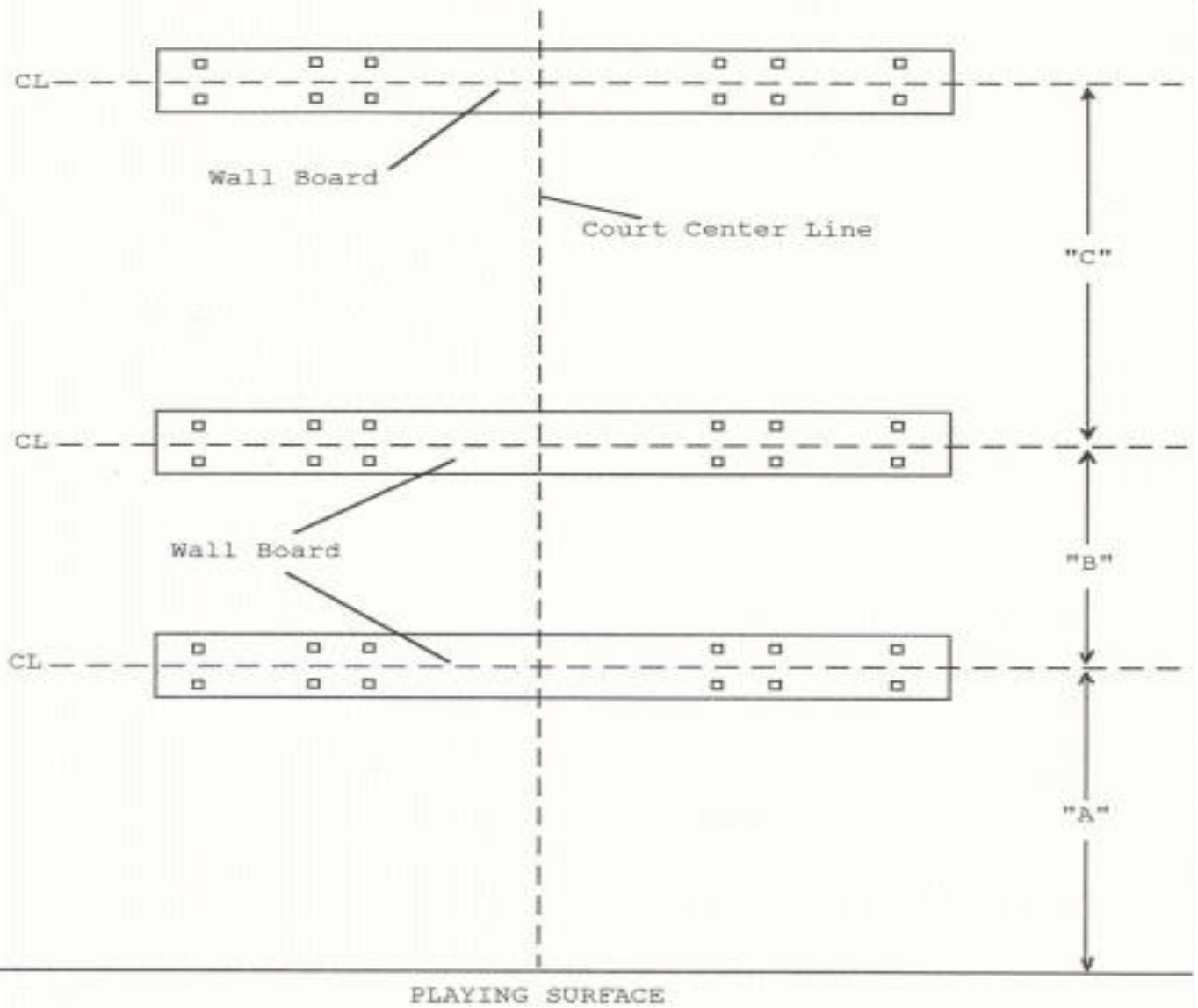
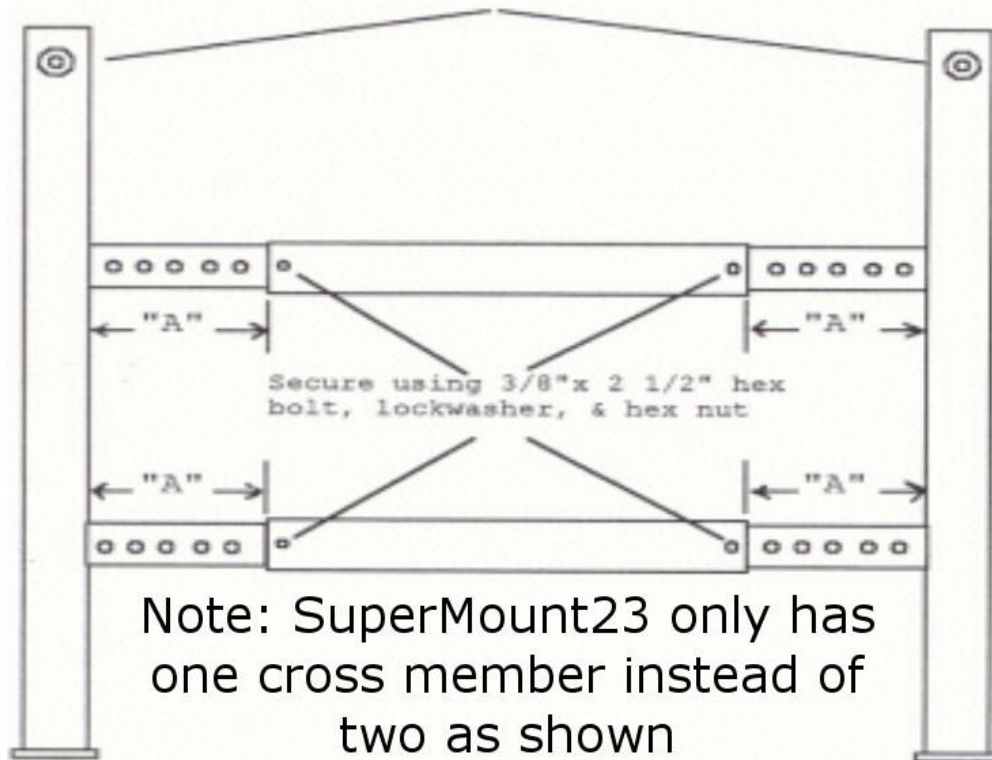


Diagram C cont'd	
Distance: Wall to face of Backboard	Dimension "C"
2' to 3'	2' +/- 1"
4' to 4'11"	4' +/- 1"
5' to 5'11"	5' +/- 1"
6' to 6'11"	6' +/- 1"
7' to 9'11"	7' +/- 1"
10' to 12'	10' +/- 1"
First Team Backboard Models	Dimension "B"
FT234, FT235, FT265B, FT280	36" +/- 1/4"
FT236	42" +/- 1/4"
FT231	34" +/- 1/4"
FT220, FT222, FT230, FT233, FT260B, FT275	20" +/- 1/4"
First Team Backboard Models	Dimension "A" from playing surface
FT234, FT235, FT265B, FT280	9' 9" +/- 1/4"
FT236	9' 3" +/- 1/4"
FT231	9' 8" +/- 1/4"
FT220, FT222, FT230, FT233, FT260B, FT275	10' 2" +/- 1/4"

Diagram D

NOTE: When assembled, welded nuts should be on same side



First Team Backboard Models	Dimension "A"
FT234, FT235, FT236, FT265B, FT280	13"
FT231	5"
FT220, FT222, FT230, FT233, FT260B, FT275	0"