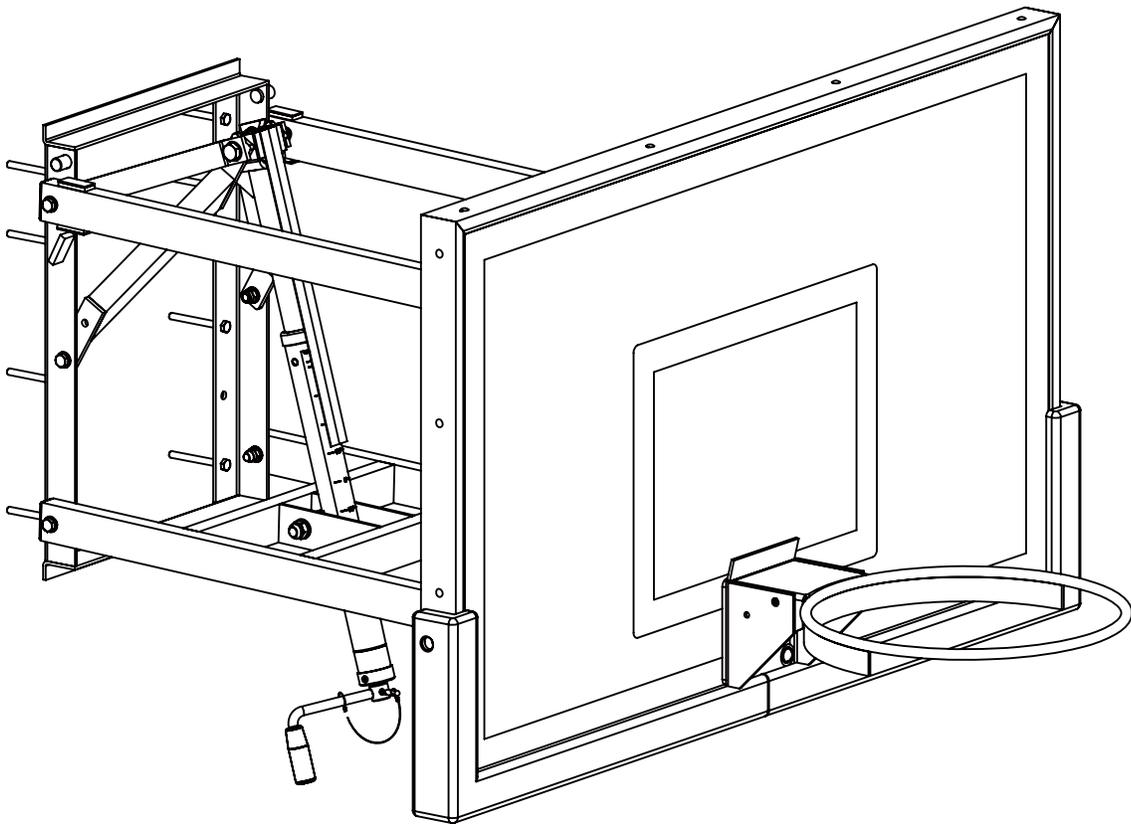




## ADJUSTABLE HEIGHT WALL MOUNT SYSTEM



***Installation  
& Owner's  
Instructions***

# Frame Attachment

A measure, level, drills and wrenches may be needed during assembly.

**1. Determine where to place frame and which mounting fasteners to use on mounting surface. (Mounting fasteners are not provided)**

The frame is 28" x 21" (HXW). The frame holes are 16" on center.

**2. Draw a horizontal line at least 21" on the mounting surface**

that is 87" up from the playing surface.

*Use a level to make drawing the horizontal line easier.*

**3. Unpack the frame.** Lay aside extension arms, mounting brackets.

**4. Position and center frame bottom on the horizontal line** with the frame's safety rod at the top.

**5. Level frame horizontally and vertically using a level.**

Mark the mounting holes needed for attachment of frame.

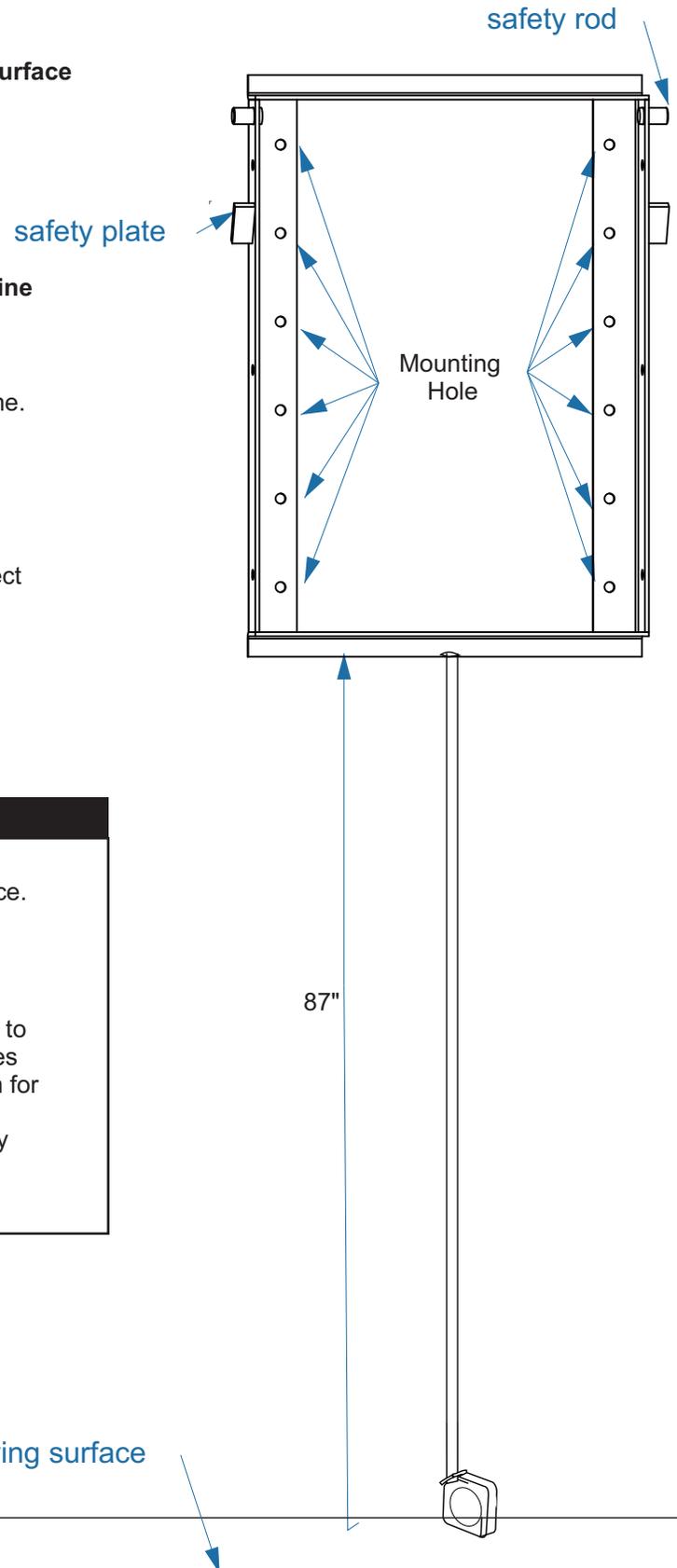
**6. Drill appropriate size holes as needed in mounting surface** based upon type of wall fastener being used by customer or installer.

**7. Loosely attach frame to mounting surface** using correct fasteners.

**8. Level frame horizontally and vertically** using a level and appropriately tighten fasteners.

## IMPORTANT

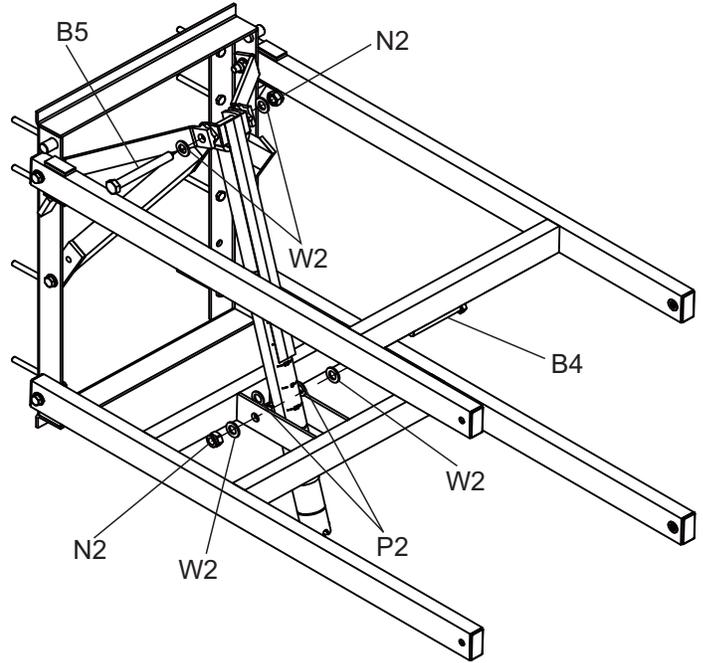
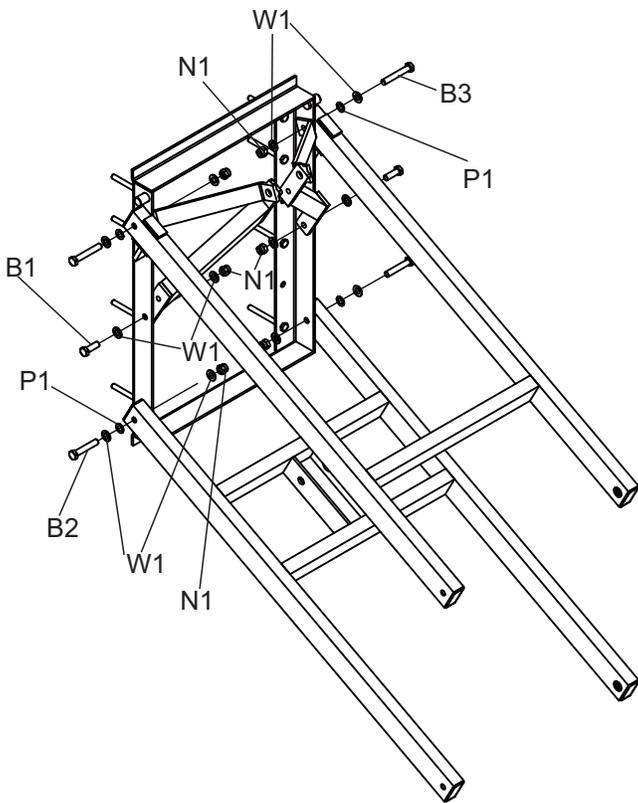
- Bottom of frame should be 88" up from playing surface. This is needed to achieve full range of system height adjustability.
- Wall hanging location is the responsibility of the customer and/or installer.
- It is the responsibility of the customer and/or installer to determine how many of the frame's 12 mounting holes must be used to safely secure the wall mount system for play.
- Mounting fasteners to be determined and provided by the customer and/or installer.



# Frame Assembly

**Note:** Lower mounting brackets are shorter than the upper ones.

1. Unpack extension arms and mounting brackets.
2. Align lower extension arm holes to outside holes of the frame flange.  
Connect using the hardware two B2, four W1, two P1 and two N1. Another two plastic washer P1 will be between the extension arm and the frame.  
**Note: DO NOT over-tight. Snug tighten only.**
3. Attach the upper extension arms and upper mounting brackets to the frame flange using the hardware two B3, four W1, two P1 and two N1. Another two plastic washer P1 will be between the extension arm and the frame. They are factory attached.
4. Attach the lower mounting bracket to the frame using two B2, four W1 and two N1.



5. For ease of assembly extend the actuator out to its full length. Attach upper mount of actuator assembly to the upper and lower mounting brackets using one B5, two W2 and one N2.
6. Attach lower mount of actuator assembly to the lower extension arm using one B4, two W2, two P2 and one N2.
7. Tighten all extension arm bolts to extension arms and mounting brackets. Tighten B2, but make sure free movement is maintained at the pivot point.

**Note:** The plastic washers P2 will be between the actuator and mounting brackets.

**DO NOT over-tighten. Snug tighten only.**

Item	Description	Quantity
B1	Hex bolt M12*35mm	2
B2	Hex bolt M12*65mm	2
B3	Hex bolt M12*75mm	2
N1	Hex nut M12	6
W1	Flat washer M12	12
P1	Plastic washer M12	8

Item	Description	Quantity
B4	Hex bolt M16*115mm	1
B5	Hex bolt M16*135mm	1
N2	Hex nut M16	2
W2	Flat washer M16	4
P2	Plastic washer M16	4

# Backboard Assembly

**Note:** Extension arms must be in the lowered position.

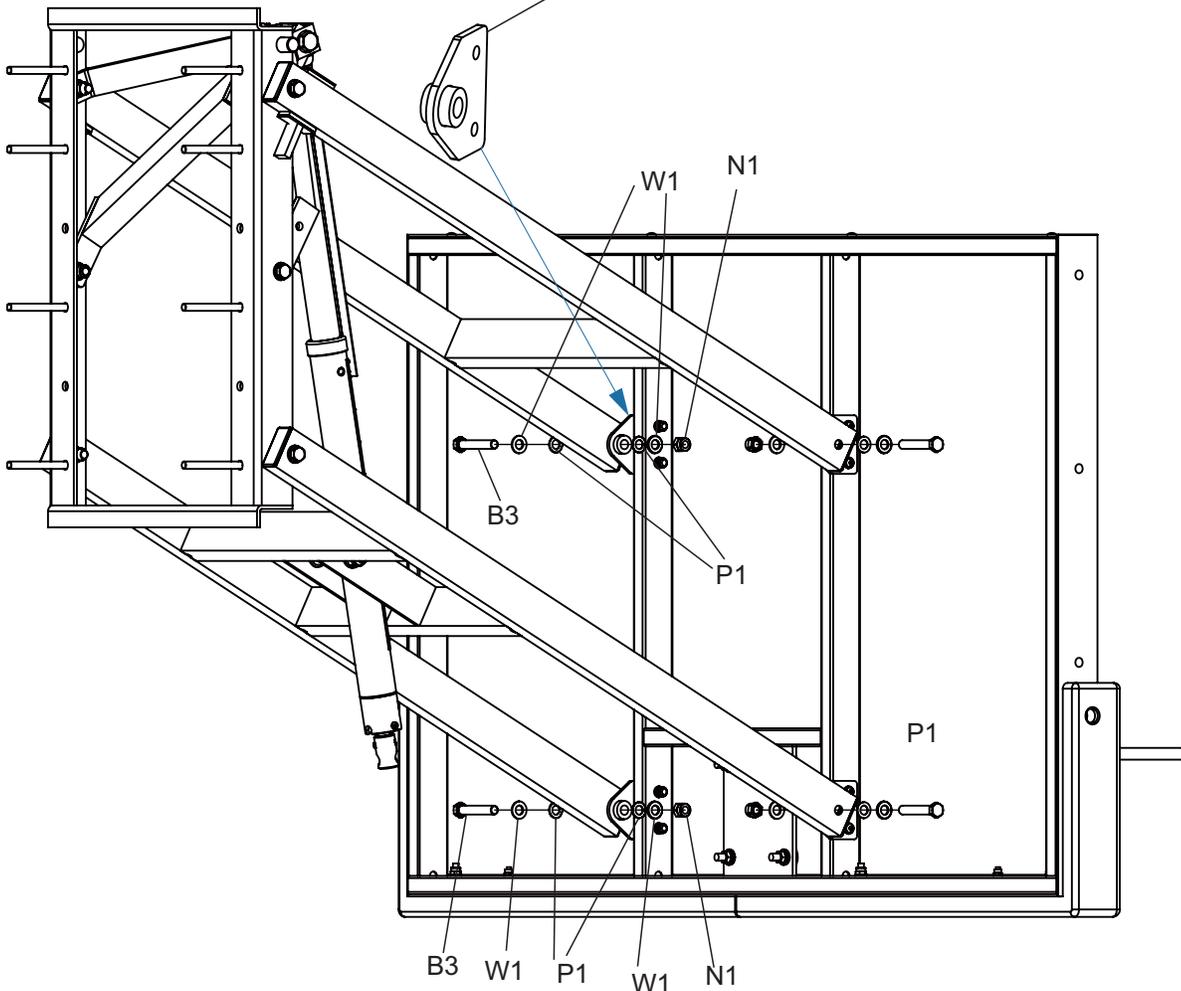
- 1. Open lid of box containing the backboard and slide the backboard** face down, with rim mounting plate facing towards the system mounting surface.
- 2. Carefully lift the backboard from the box and align upper backboard holes with upper extension arm holes using two B3, four W1 and two N1.**
- 3. Align lower backboard holes with the lower extension arm holes** using the same procedure and hardware as in 2.

Item	Description	Quantity
B3	Hex bolt M12*75mm	4
N1	Hex nut M12	4
W1	Flat washer M12	8
P1	Plastic washer M12	12

**Note:**

- Extension arms attach to the outside of backboard's H-frame.
- Plastic washer will be between backboard and extension arm.
- DO NOT over-tighten. Snug tighten, so that bushings in arms meet bushings in backboard.

Before the attach the backboard to extension arm, the four ear plates need to be assembled first. Each ear need to use two Hex screw M8\*45mm, four M8 Flat washer and two M8 nut. Between the extension arm and every ear plate, there is one P1.



# Final Attachment

## 1. Attach rim to Backboard.

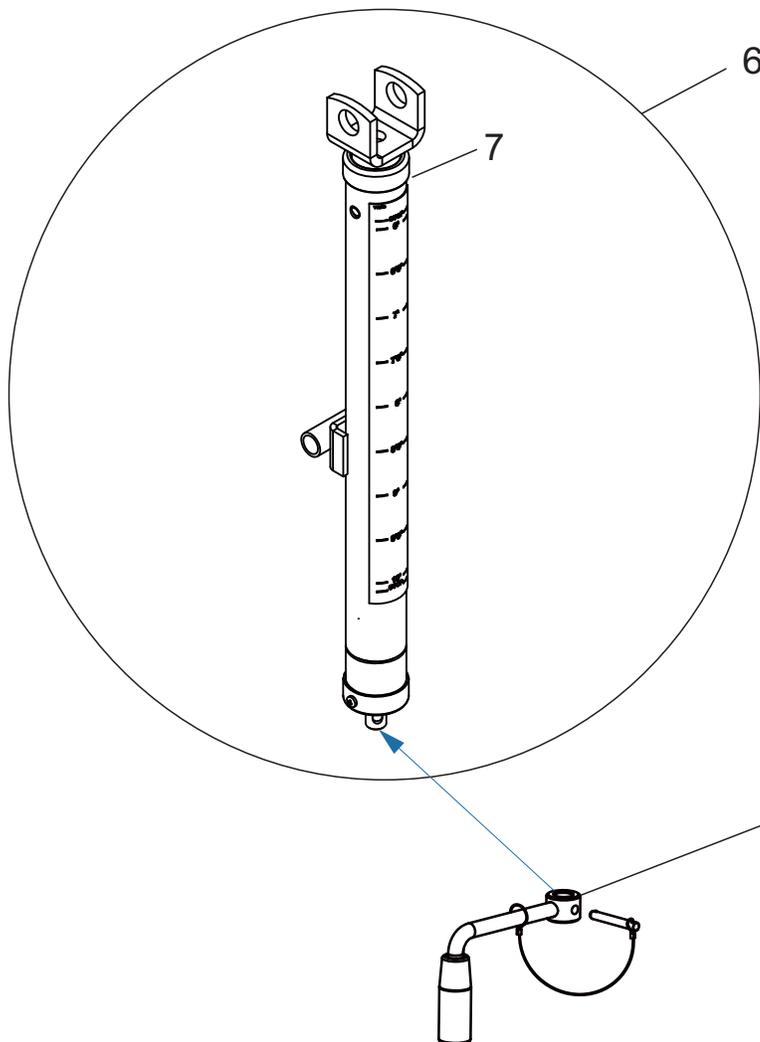
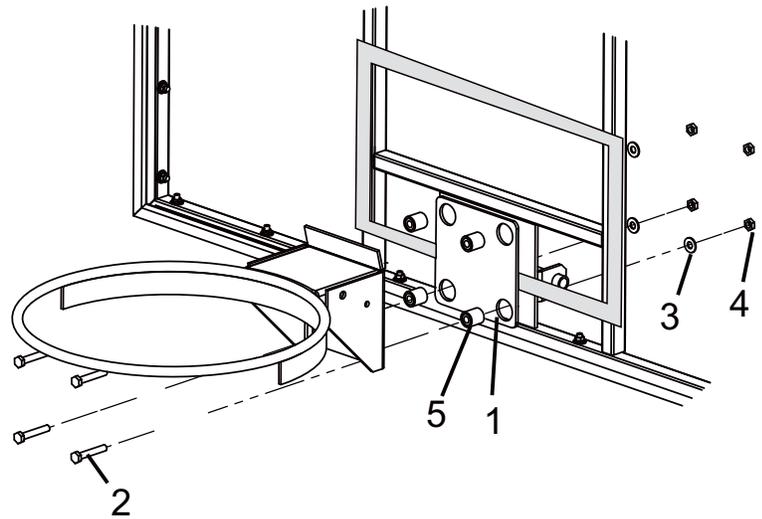
Attach Rim Pad (#1) to Glass as shown in right photo. Remove the Rim box cover, put Rim against Rim pad, secure it with 4 Carriage bolts M10x55 (#2), 4 Flat washers M10 (#3), 4 Flange nuts M10 (#4) and 4 mounting sleeves (#5).

See Figure 9 .

**Tighten all four bolts and nuts completely.**

Put Rim box cover back and secure it with removed screws.

**Note: Tighten all four bolts and nuts completely.  
Put Rim box cover back and secure it with removed screws.**



### Apply Rim Height Sticker

Use a tape measure to crank rim up to exactly 10' from playing surface. Make a line mark on the Actuator (#6) against upper edge of Actuator Sleeve (#7). Crank the rim all the way down to the extreme end. Peel and apply Rim Height sticker to outside of Actuator (#6) lining up the mark with the 10' mark on the Rim Height Sticker. **See Detail on left hand.**

**Attach crank to the bottom of the actuator, secure it with attached pin.**