



## F330, F335 Football Goals

### **Installation Guide**

*Read all instructions before installing!!!*

#### **Foundation & Ground Sleeve**

Locate the position of the goalpost according to plans and specs. Excavate a hole which is at least 36" across and 68" deep. Set a form for a concrete foundation. A 36" diameter cardboard tube or corrugated metal pipe is recommended. The top of the form should be six-inches (6.0") below finished grade. (For artificial infill turf fields, use top of infill material as finished grade elevation.) Locate the formwork so that the ground sleeve will be centered within the form. Pour a flat, 12" deep concrete pad in the bottom of the formwork and let it set hard. A packed 12" deep bed of rocks will also suffice in most situations. During ground sleeve installation soil and water conditions need to be considered for proper structural support and adequate drainage.

Center the ground sleeve on the concrete pad or bed of rocks.

**IMPORTANT:** Carefully orient the sleeve so that an imaginary line through the upper set of slots is parallel with the goal line. Place rock or fill material around the bottom of the sleeve to prevent it from moving. Using grade stakes and lumber, secure the top of the sleeve in a level and plumb position. It is critical that the sleeve be installed plumb. Final adjustment of the goal post depends on a precise installation of the ground sleeve (a slight error at ground level translates to a much larger error at the top of the uprights). Place concrete around the outside of the sleeve to the top of the form being

careful not to move the ground sleeve.

#### **Gooseneck**

Install the 5/8 x 6 1/16" threaded centering rods through the two lower pairs of holes in the gooseneck. Secure the rods with 5/8" hex nuts, leaving an equal amount of rod protruding from all four holes. These rods will keep the bottom of the gooseneck from shifting in the ground sleeve during final adjustment. Install the 5/8" x 10 3/4" leveling bolts in the same fashion through the upper holes in the gooseneck, securing them with 5/8" jam nuts. Thread the 5/8" washers and nuts onto the ends of the leveling bolts. Set the gooseneck into the ground sleeve, inserting the leveling bolts into the appropriate set of notches in the top of the sleeve. Visually center the gooseneck within the sleeve and hand tighten the four lock nuts.

Using a four-foot level, check to see if the gooseneck is plumb. If it is, tighten the nuts securely at this time. If adjustment is required, loosen the appropriate outer nuts a small amount (a turn at a time) and tighten the opposing outer nuts until snug, then recheck. Continue this adjustment process until the gooseneck is plumb. Securely tighten the four nuts. (see ground sleeve drawing)





End Cap/ Flag Attachment

Upright

**Ground Sleeve:** 6" Schedule 40 Steel tube, 10 x10x 1/8" Steel Plate  
**Offset / Goose Neck:** 4" Schedule 40 Carbon Pipe  
**Cross Bar:** 3" Schedule 40 Carbon Pipe  
**Uprights:** 2" Schedule 40 Aluminum Pipe

The customer has to drill inner holes with the diameter of 1/2" and 3/8". (Using the existing pre-drilled outer holes as guides.) The pre-drilled slotted hole is designed to help level and hold the uprights/crossbar in place while the customer drills the other inner holes.

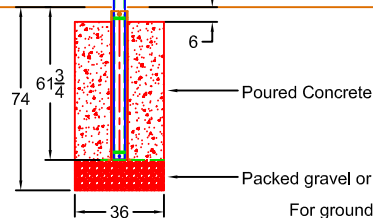
Customer has to drill 1/2" dia inner (hex bolt) hole and 3/8" dia inner (spring pin) hole.

NOTE: From the top of the cross bar to the ground should measure 10ft.

Ground Level

Offset/ Goose Neck

(6.5ft offset) 78" or  
(8ft offset) 96" from  
center of ground  
sleeve to end line



Poured Concrete

Packed gravel or concrete pad

For ground sleeve installation soil and water conditions need to be considered! Adequate drainage also needs to be considered! There is a drain hole in the bottom of the ground sleeve.

Customer has to drill 1/2" dia and 3/8" dia inner holes.

1/2" stainless steel bolts, with stainless steel nylock nuts are used in all other locations.

Customer has to drill 1/2" dia and 3/8" dia inner holes.

Ground Sleeve

Note: All dimensions in inches!

**GILL**  
ATHLETICS

PART #: F330, F335  
DWG #: F330spec

Champaign, IL 800-637-3090

SCALE: (1/50)

DRAWN BY: JWD

DATE: 11/27/06

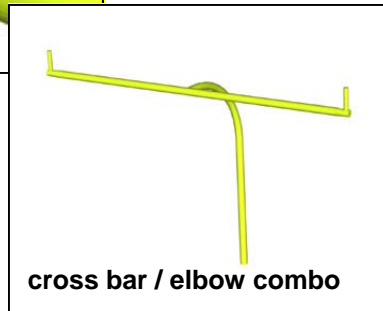
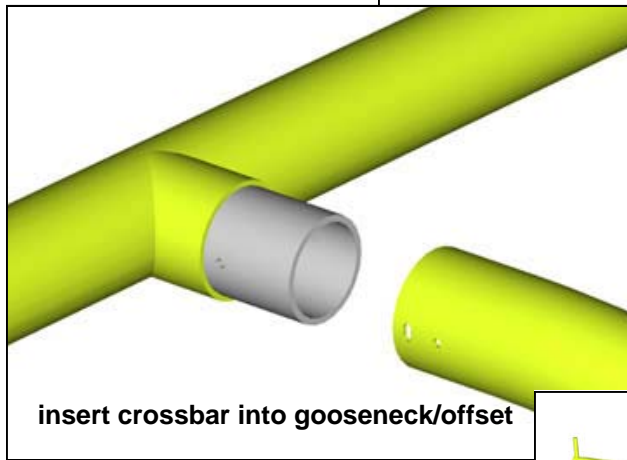
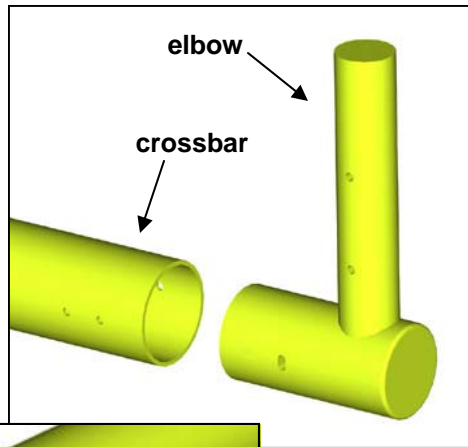
R & D:

PROD:

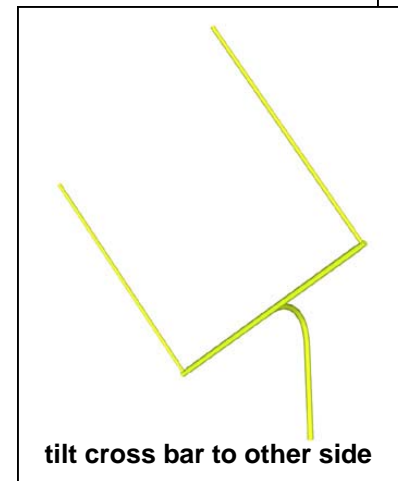
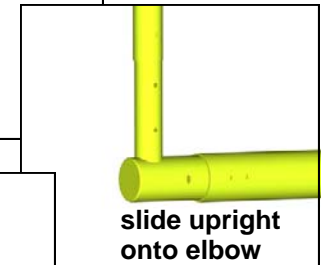
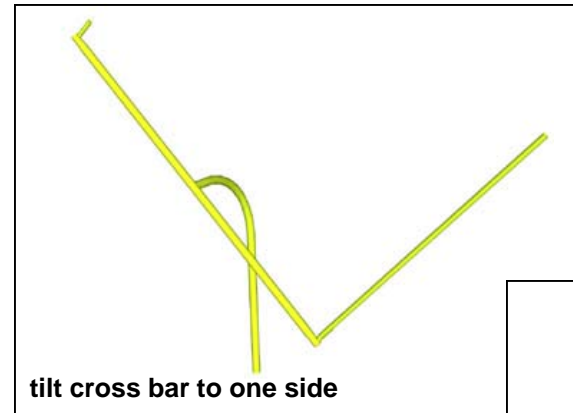
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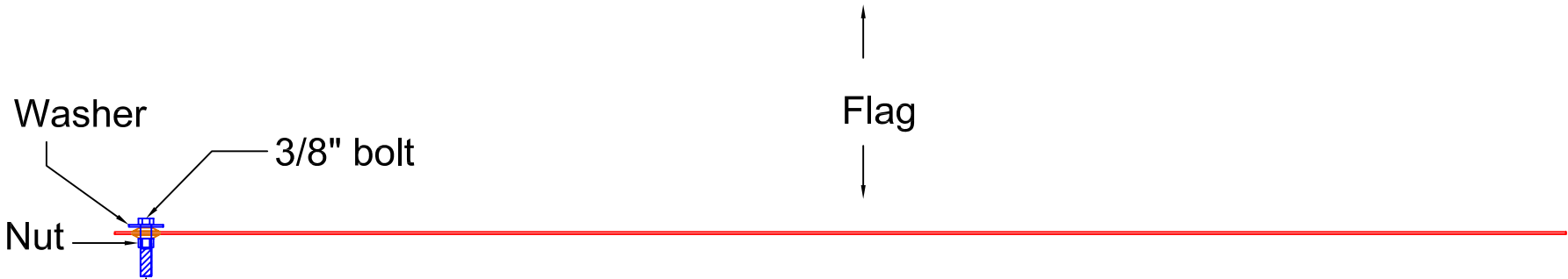
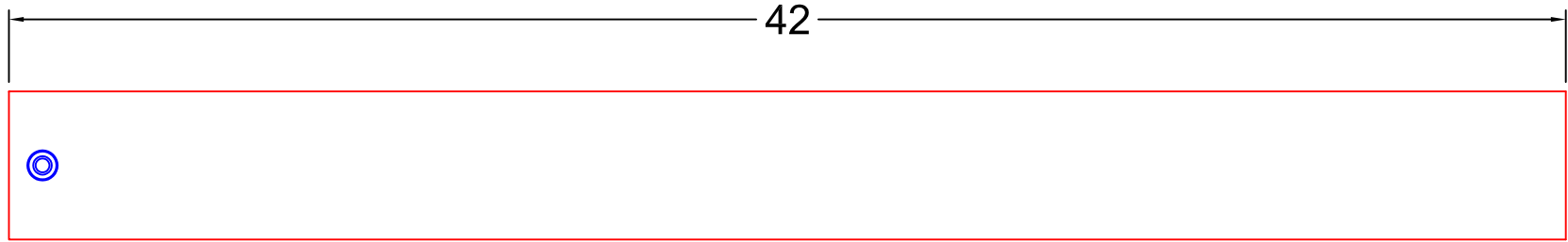
### Crossbar & Uprights

Install the adjustable elbow (packaged separately) to the crossbar by sliding the sleeve into the end of the crossbar and fasten in place with the 1/2 x 4 1/2" bolt through the front of the crossbar, loosely tightening the nut as this will be used for upright adjustment later (ensure that the head of the bolt is facing towards the 50 yard line). Next slide the crossbar / elbow combination into the gooseneck.



Before inserting the 1/2" x 5 1/2" adjuster bolt the crossbar can be tilted to install uprights. First check that the crossbar insert in pushed in flush into the gooseneck/offset. Then with caution, lower one end of the crossbar to the ground. (Before installing the upright bolt the flag to the top of the upright.) Next slide the upright onto the elbow and bolt snug. The upright should be in the vertical goal position. Tighten the adjuster bolt in the elbow snugly, so the upright will stay in its position. Now lower the other side of the crossbar to the ground. Repeat the steps done to the first upright. **DO NOT STAND UNDER THE CROSS BRACE WHILE LOWERING.** Also watch the insert, to make sure the joint is not slipping.





Washer

3/8" bolt

Nut

Flag

End Cap with tapped hole

Top of Upright

NOTE: Do not tighten nut too far. The grommet / flag needs to move freely.

**GILL**

ATHLETICS

CHAMPAIGN, IL 800-637-3090

SCALE: (1/5)

DRAWN BY: ACW

DATE: 08/23/02

PART #: F303  
DWG #: F303inst

Flag Installation

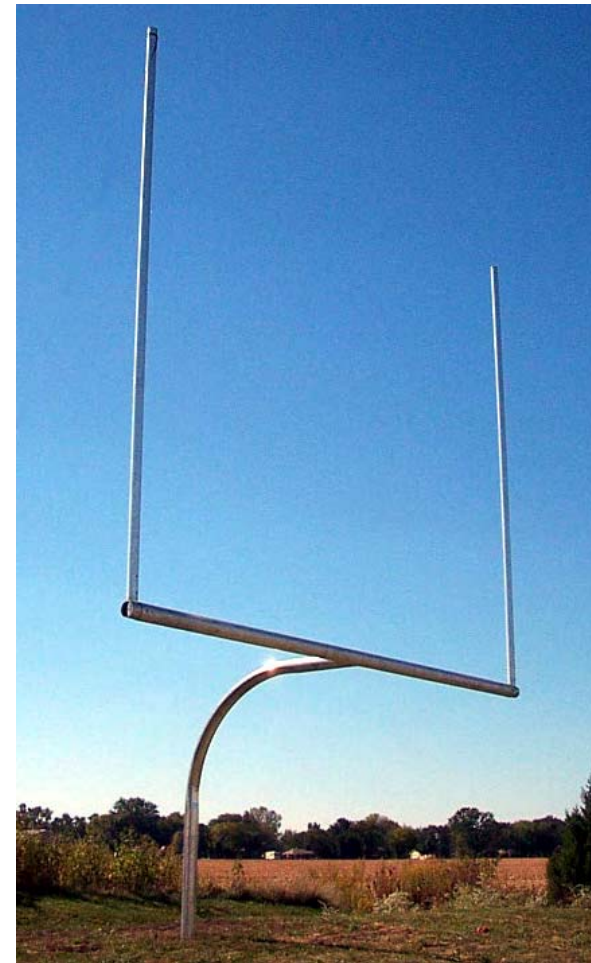
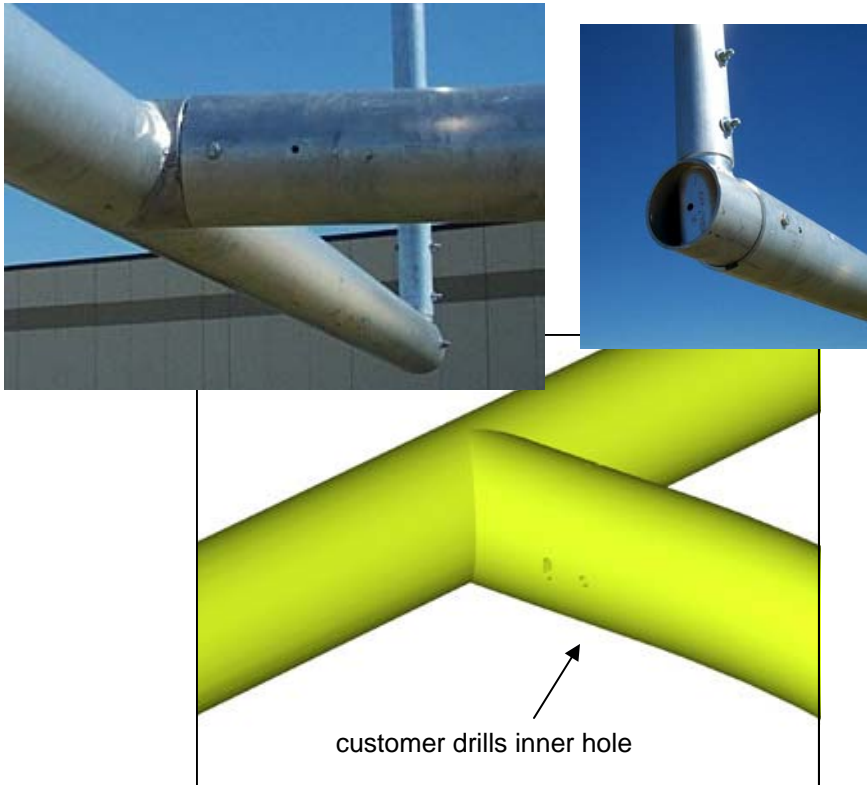
R & D:

PROD:

PURCH:

## Crossbar & Uprights

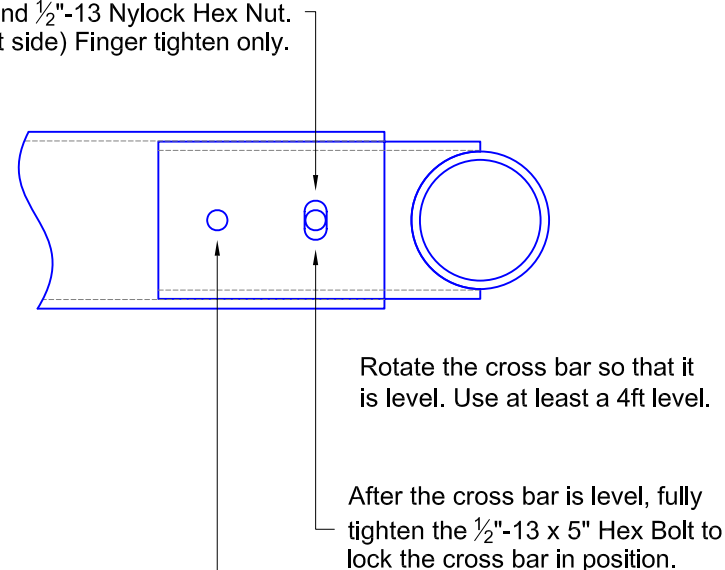
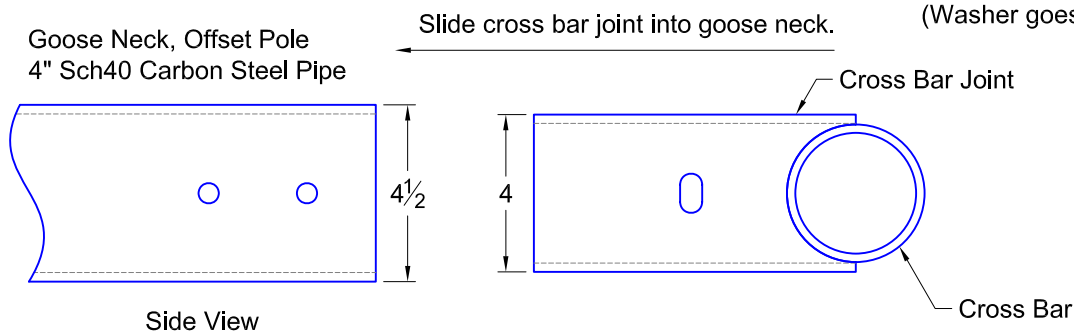
Now all leveling and straightening should be done to the football goal. Use the slotted holes in the ground sleeve to make sure the crossbar is parallel to the goal line, by loosening and tightening the nuts on the treaded rod. Next use the slotted hole in the gooseneck to help level (4ft level) the crossbar with the ground. When the crossbar is level drill a 1/2" hole through the existing hole in the gooseneck and use a 1/2" x 5 1/2" bolt to secure it in place. Then the uprights need to be adjusted, so they are perfectly vertical. When the upright is vertical tighten the adjuster bolt and then drill a 1/2" hole through the existing hole in the crossbar and use a 1/2 x 4 1/2" bolt to secure it in place. For extra support and tightening on the top and bottom of the gooseneck and crossbar drill through the existing 3/8" holes with a 3/8" bit and insert the (6 total) 3/8" spring pins. Making sure that everything is square and level.



## STEEL FOOT BALL GOAL POST GOOSE NECK / CROSS BAR INSTRUCTIONS

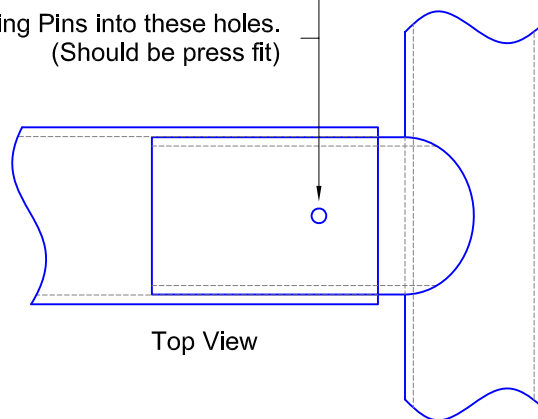
Turn the cross bar so that it is horizontal and the slotted hole in the cross bar joint lines up with the hole in the goose neck, closest to the end.

Secure cross bar with a  $\frac{1}{2}$ "-13 x 5" Hex Bolt and  $\frac{1}{2}$ " Flat Washer and  $\frac{1}{2}$ "-13 Nylock Hex Nut. (Washer goes on Nut side) Finger tighten only.



Using the existing  $\text{Ø}\frac{3}{8}$ " holes (top and bottom of goose neck) as guides, drill  $\text{Ø}\frac{3}{8}$ " holes thru the cross bar joint (top and bottom).

Hammer  $\frac{3}{8}$ " x  $1\frac{1}{2}$ " Spring Pins into these holes. (Should be press fit)



Using the second hole in the goose neck as a guide, drill a  $\text{Ø}\frac{1}{2}$ " hole thru the cross bar joint (both sides).

Insert a  $\frac{1}{2}$ "-13 x 5" Hex Bolt thru the drilled holes and secure it with a  $\frac{1}{2}$ " Flat Washer and  $\frac{1}{2}$ "-13 Nylock Hex Nut. Fully tighten.

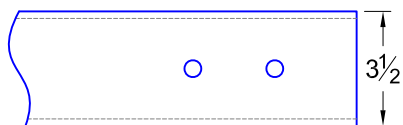
## STEEL FOOT BALL GOAL POST CROSS BAR / UPRIGHT INSTRUCTIONS

After the cross bar has been leveled and secured, slide the upright onto the elbow and secure with two  $\frac{1}{2}$ "-13 x 3" Hex Bolts and two  $\frac{1}{2}$ "-13 Nylock Hex Nuts.

Turn upright so that it is vertical and the slotted hole in the elbow lines up with the hole in the cross bar, closest to the end.

Secure the elbow with a  $\frac{1}{2}$ "-13 x 4" Hex Bolt and  $\frac{1}{2}$ " Flat Washer and  $\frac{1}{2}$ "-13 Nylock Hex Nut. (Washer goes on Nut side) Finger tighten only.

Cross Bar  
3" Sch40 Carbon Steel Pipe



Side View

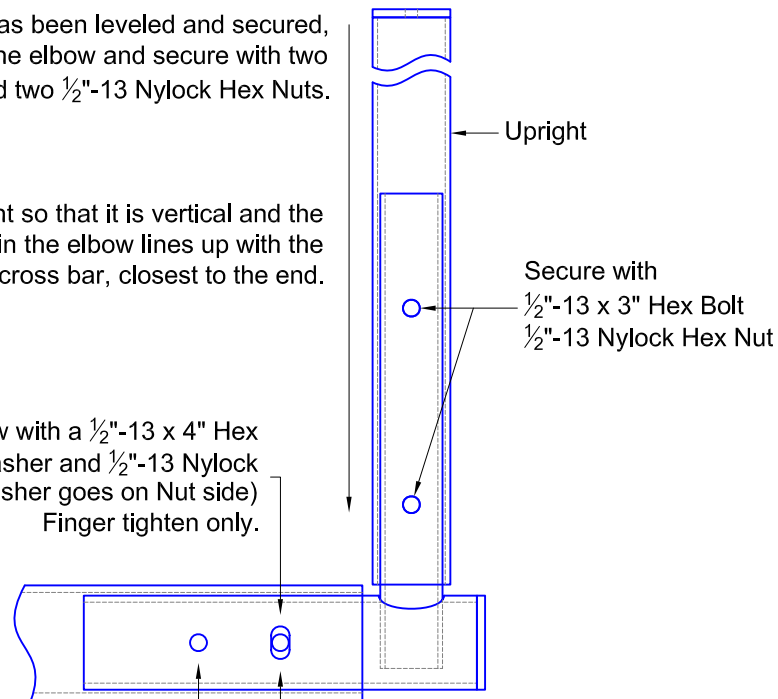
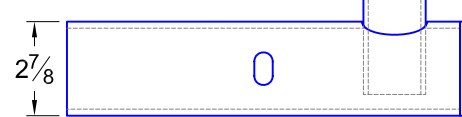
Using the existing  $\text{Ø}\frac{3}{8}$ " holes (top and bottom of cross bar) as guides, drill  $\text{Ø}\frac{3}{8}$ " holes thru the elbow (top and bottom).

Hammer  $\frac{3}{8}$ " x  $\frac{1}{2}$ " Spring Pins into these holes. (Should be press fit)



Top View

Slide elbow into cross bar



After the upright is plumb, fully tighten the  $\frac{1}{2}$ "-13 x 4" Hex Bolt to lock the upright in position.

Using the second hole in the cross bar as a guide, drill a  $\text{Ø}\frac{1}{2}$ " hole thru the elbow (both sides).

Insert a  $\frac{1}{2}$ "-13 x 4" Hex Bolt thru the drilled holes and secure it with a  $\frac{1}{2}$ " Flat Washer and  $\frac{1}{2}$ "-13 Nylock Hex Nut. Fully tighten.