

# FBGP-720 FOOTBALL GOAL SPECIFICATIONS

Ø2 3/8" x 3/8" wall  
ALUMINUM UPRIGHTS

Ø4 1/2" x 23'-4" High School  
Ø4 1/2" x 18'-6" College  
GALVANIZED STEEL CROSSBAR

GALVANIZED STEEL  
GOOSENECK Ø5 9/16 x .258 wall

78" OFFSET

54 in

36 in  
**SIDE VIEW**

FBGP-720  
FBGP-720YW  
FBGP-720C  
FBGP-720XCW

HIGH SCHOOL  
HIGH SCHOOL  
COLLEGE  
COLLEGE

WHITE  
YELLOW  
WHITE  
YELLOW

**FRONT VIEW**


23'-4"  
INSIDE  
HIGH SCHOOL REF  
18'-6"  
INSIDE  
COLLEGE REF

20'-0"  
UPRIGHTS

30'-0"  
OVERALL  
HEIGHT

10'  
TO CROSSBAR

Ground Surface

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JAYPRO SPORTS, LLC, 976 HARTFORD TURNPIKE, WATERFORD, CT 06385 USA <a href="http://www.jaypro.com">www.jaypro.com</a>					
DESCRIPTION FBGP-720 SPECIFICATIONS					
PART NUMBER FBGP-720				OWN BY DC	
SIZE B	SCALE N/A	DATE 7/10/2006	REV 1	SHEET 1	OF 1
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## **FBGP-720 SERIES**

### **OFFICIAL 6' OFFSET FOOTBALL GOAL POST - PERMANENT AND SEMI-PERMANENT INSTALLATIONS -**

#### **LIST OF MATERIALS (ONE GOAL POST)**

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	HS5119	Bolt-HX HD ½"-13 x 5"	4
2	HS5066	Bolt-HX HD ½"-13 x 7 ¾"	2
3	HN268	½"-13 LOCK NUT	6
4	HW2044	½" FLAT WASHER	6
5	HS1616	Bolt-3/8"-16 x 2 ¾"	4
6	HN1230	3/8"-16 LOCK NUT	4
7	HW2047	3/8" FLAT WASHER	4
8	AF65	Top upright cap	2
9	HS5161	RIVET 3/16"	1
10	WS-42RD	WIND STREAMER SET OF 4	0.5

#### **IMPORTANT**

- 1) The location of the gooseneck with respect to the field is critical. By rule, the front of the crossbar should be even with the field side (inside) edge of the end line such that the crossbars measure 360 ft apart, inside to inside. The distance from the end line to centerline of the bottom upright (gooseneck) is approximately **78"** for the FBGP-720 series. See Figure 1 for full field layout.
- 2) The footing depth is dependant on the type of installation; permanent or semi-permanent. For permanent installations see Figure 3.
- 3) For semi-permanent installation using a ground sleeve (Part No. FBSLV6) see Figure 4.
- 4) Concrete should be a minimum 4000-psi mix.
- 5) The crossbar should be level and at a height of 10 ft above ground level. The uprights should be plumb in both directions, front to back and side to side. Adjust goal components as necessary. Note that a certain amount of deflection in the crossbar is to be expected due to the weight of the end fittings and uprights on each end.

## **SLEEVE AND GOOSENECK INSTALLATION**

- 1) Excavate the footing hole to the appropriate dimensions shown. See Figures 1, 2, 3, and 4 for locating the footing and height of the gooseneck. Use Figure 3 for permanent installations. Use Figure 4 for semi-permanent installations with standard ground sleeve (FBSLV6).
- 2) Once hole is excavated, re-check depths to assure the correct crossbar height (10' 0") will be achieved. Note: Due to the weight of the crossbar and uprights, the gooseneck will deflect downward 1" to 1-1/2".
- 3) Create a 6" base by using a concrete block or pouring a level pad 6" in the bottom of the hole. Allow 48 hours to cure. Once the 6" pad has cured, center your gooseneck in the hole. Make sure the upright is perpendicular and square to the playing field. Adequately support the gooseneck to prevent any movement and allow to cure for a full 48 hrs.

## **CROSSBAR AND UPRIGHT INSTALLATION**

Once the footing is complete and the concrete has set for 48 hours, next install the crossbar.

### **Crossbar Installation:**



Use 10' scaffolding and a ladder, have two people on the scaffolding to lift and move the crossbar. Now with a third person on the ladder guide the insert into the gooseneck.



Insert the crossbar into the gooseneck. Set the crossbar depth so the front edge of the crossbar is in line with the inside edge (field side) of the end line. Once the crossbar is level, mark by using a center punch and drill the holes through the gooseneck. Start with a 3/16" bit, then a 3/8" bit, and finally a 1/2" bit.

#### **Mark and Drill Crossbar:**



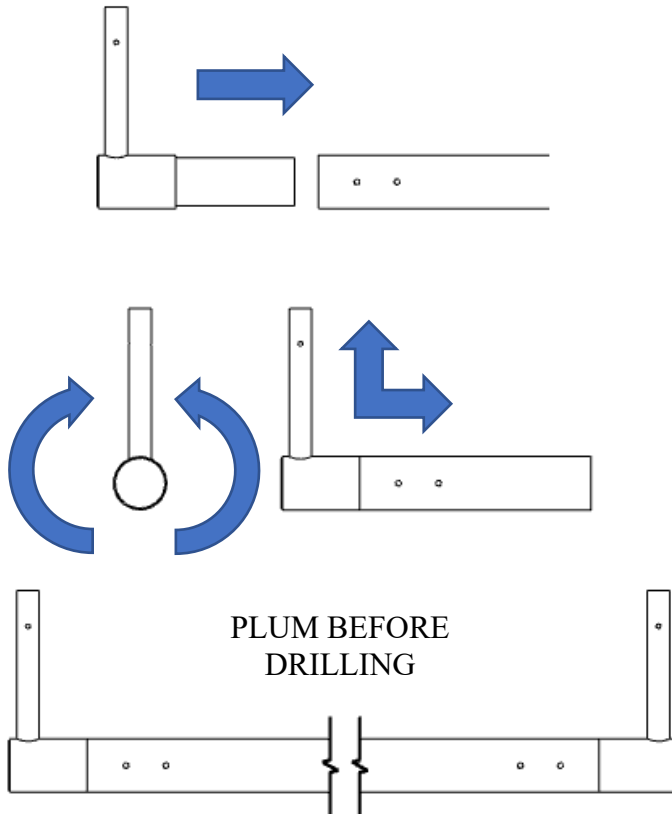
Once the holes are drilled, use the 1/2" bolts with two flat washers and lock nut. Use a Silicon sealant on each side of the bolt to prevent corrosion.

#### **Tightening 1/2" bolts between crossbar and gooseneck:**



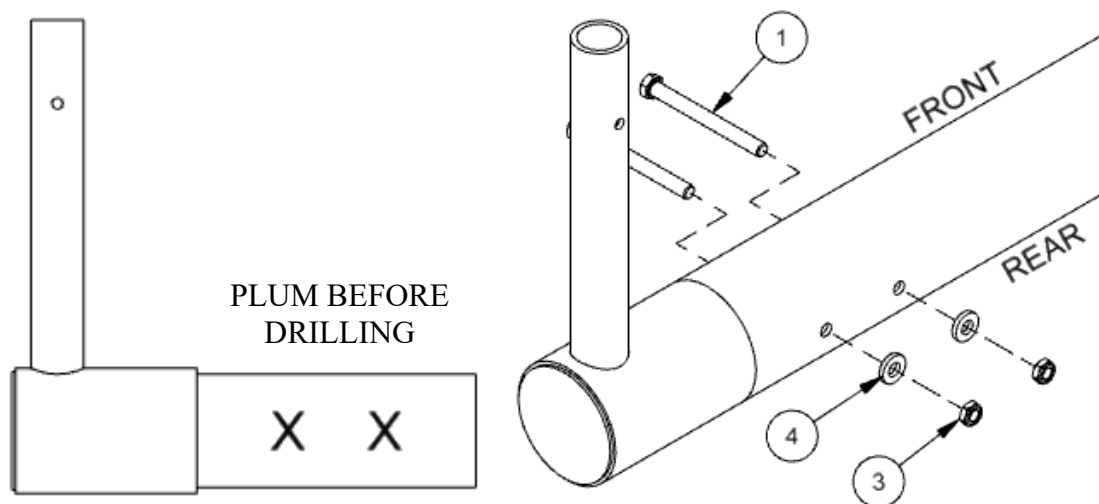
### **Top Upright Installation:**

Place the end fitting in the end of the crossbar and plumb to level in two directions – front to back and side to side. Mark the holes using a center punch. **IMPORTANT:** It is critical that the holes in the end fitting be properly placed to ensure that the end fittings are square and the uprights are parallel to each other.



Remove the end fitting and drill the marked holes. Start with a 3/16" bit, then a 3/8" bit, and finally a 1/2" bit.

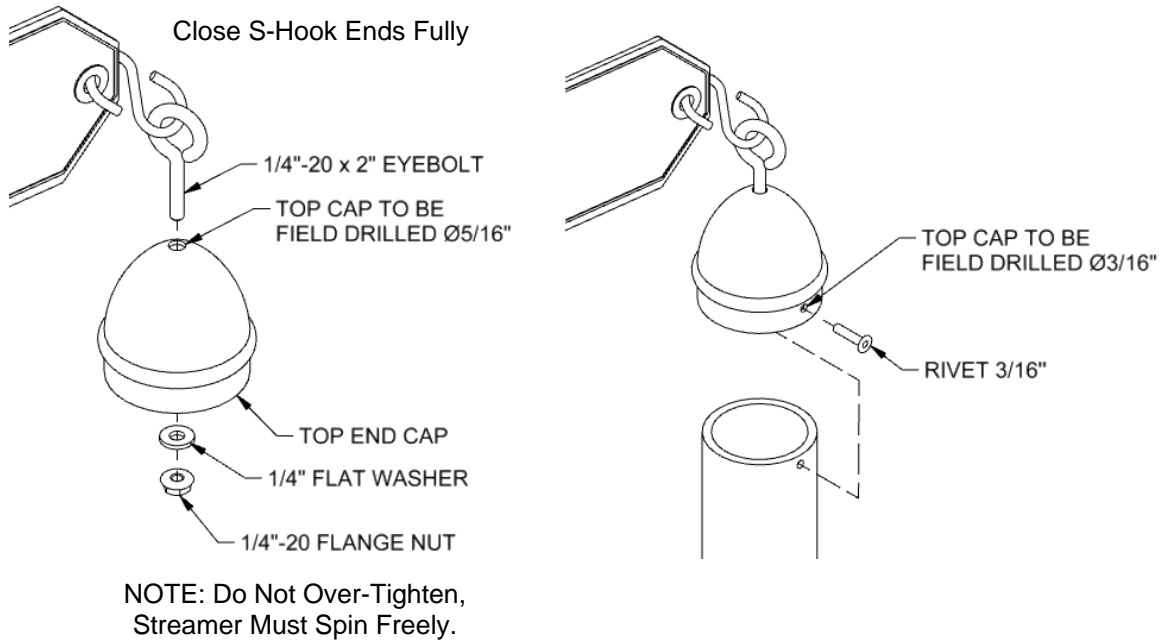
### **Drill End Fitting:**



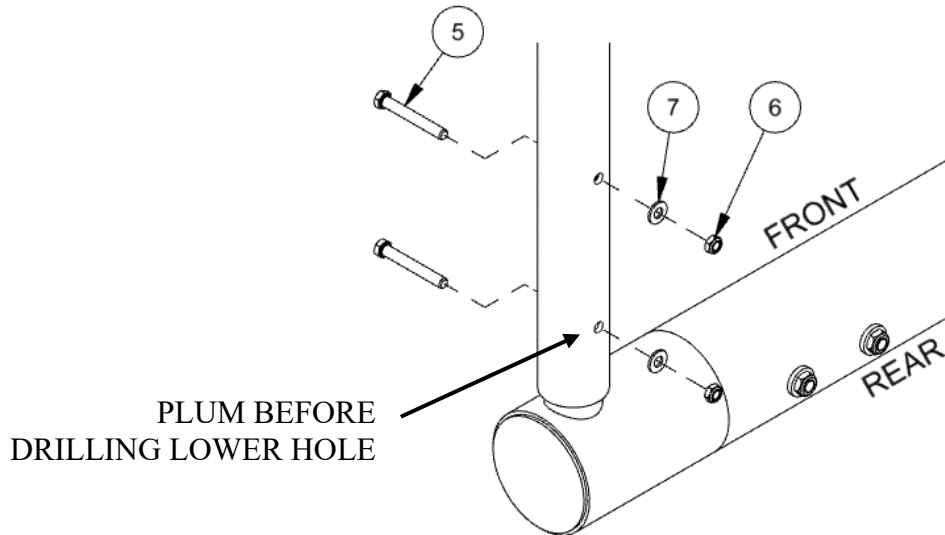
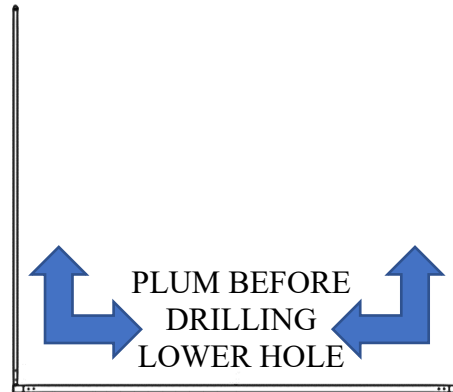
Insert the end fitting in the crossbar and loosely install the appropriate hardware. Verify that the vertical member is square to the crossbar and plumb.

**Attach top upright cap:**

Install the wind streamers by drilling a 5/16" diameter in the tip of the cap. Assemble the wind streamers as shown below. Tap the cap in place and drill a 3/16" hole through the cap and the top upright. Use the 3/16" rivet provided to secure the cap.



**Install Top Upright:**



- Lift one upright onto the insert of the end fitting.
- Install the 3/8" hardware through the upright and predrilled hole in the insert.
- Plum the upright, drill the lower hole, and install 3/8 hardware.

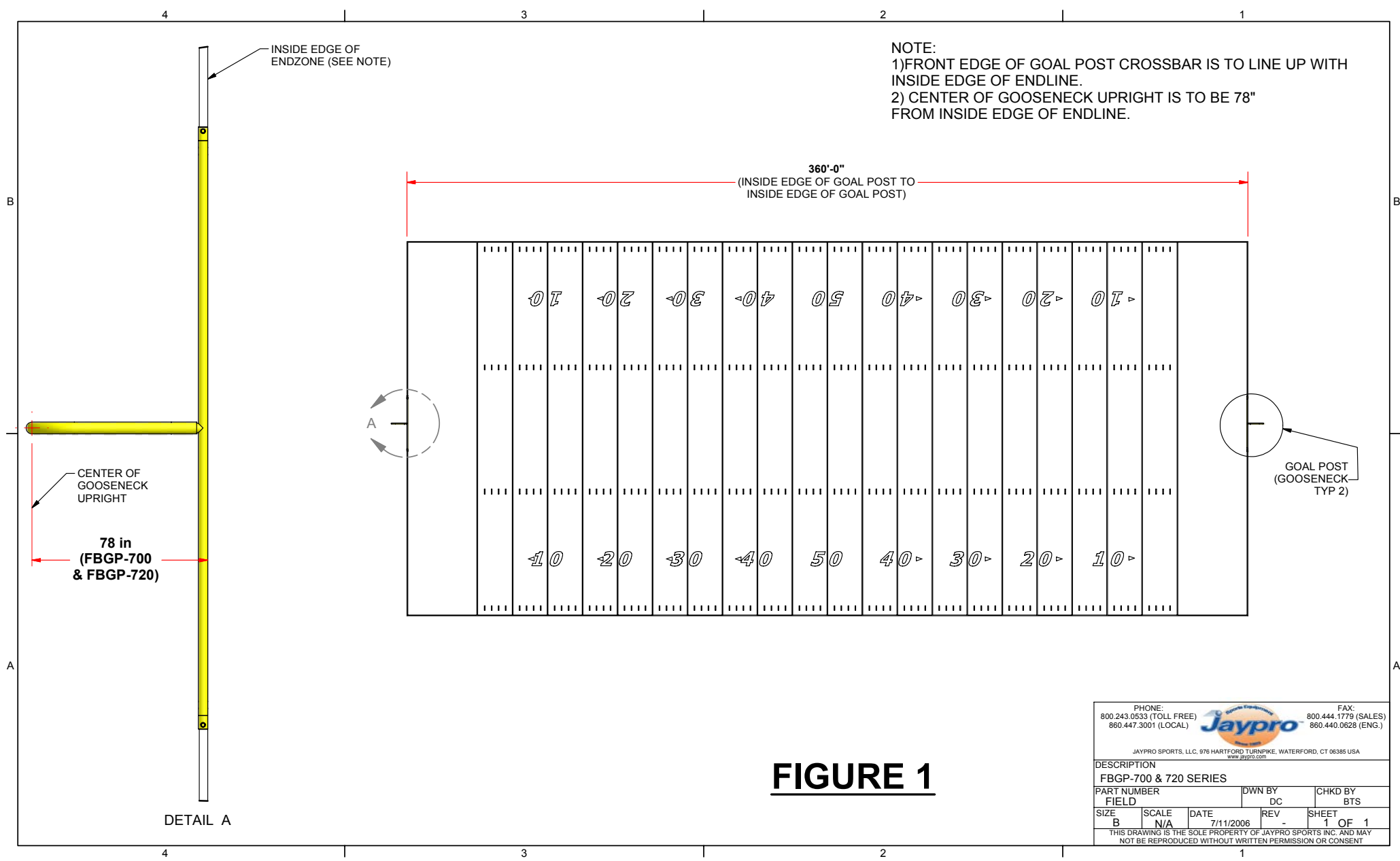




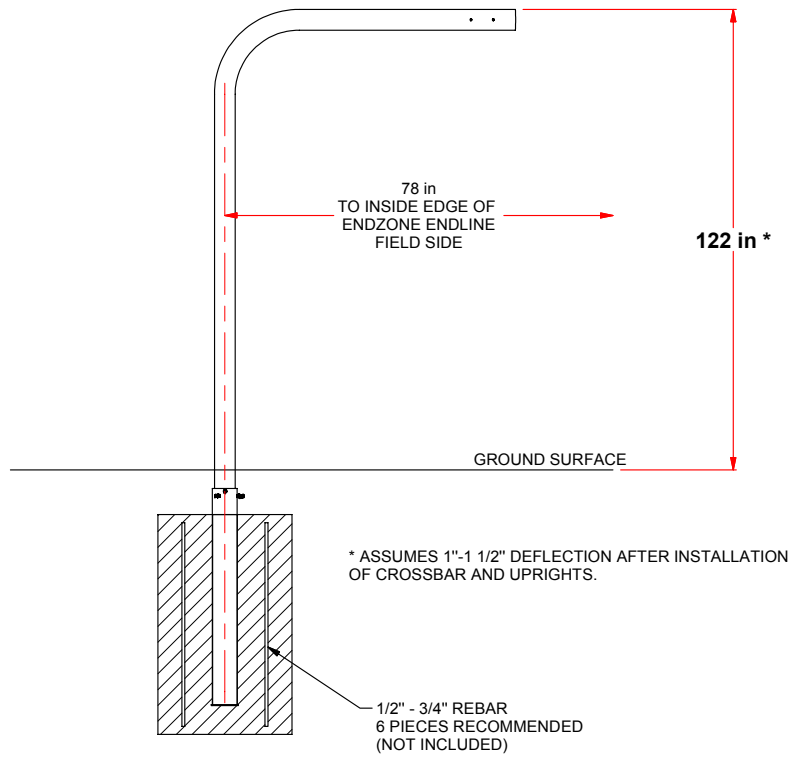
Once complete, repeat on the other side. After both goalposts are installed, use yellow Rustoleum to paint all the bolt heads and nuts. This will give the fasteners an extra layer of protection, give the goalpost a finished look, and touch up any scratches.



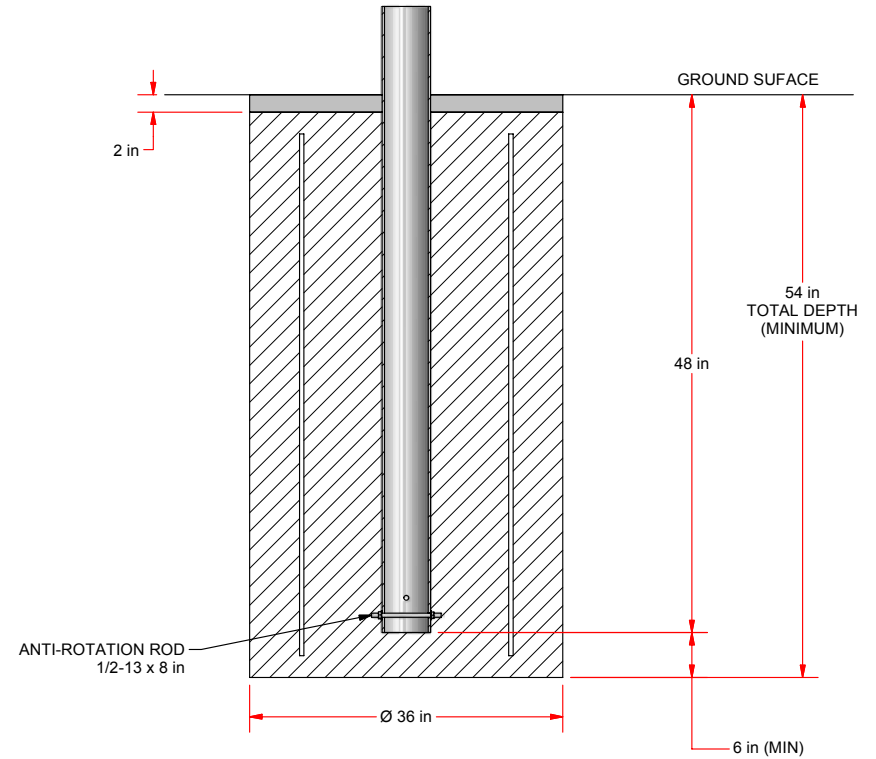





# **FBGP-720** **FOOTBALL GOAL FOOTING** **Permanent Intallation**



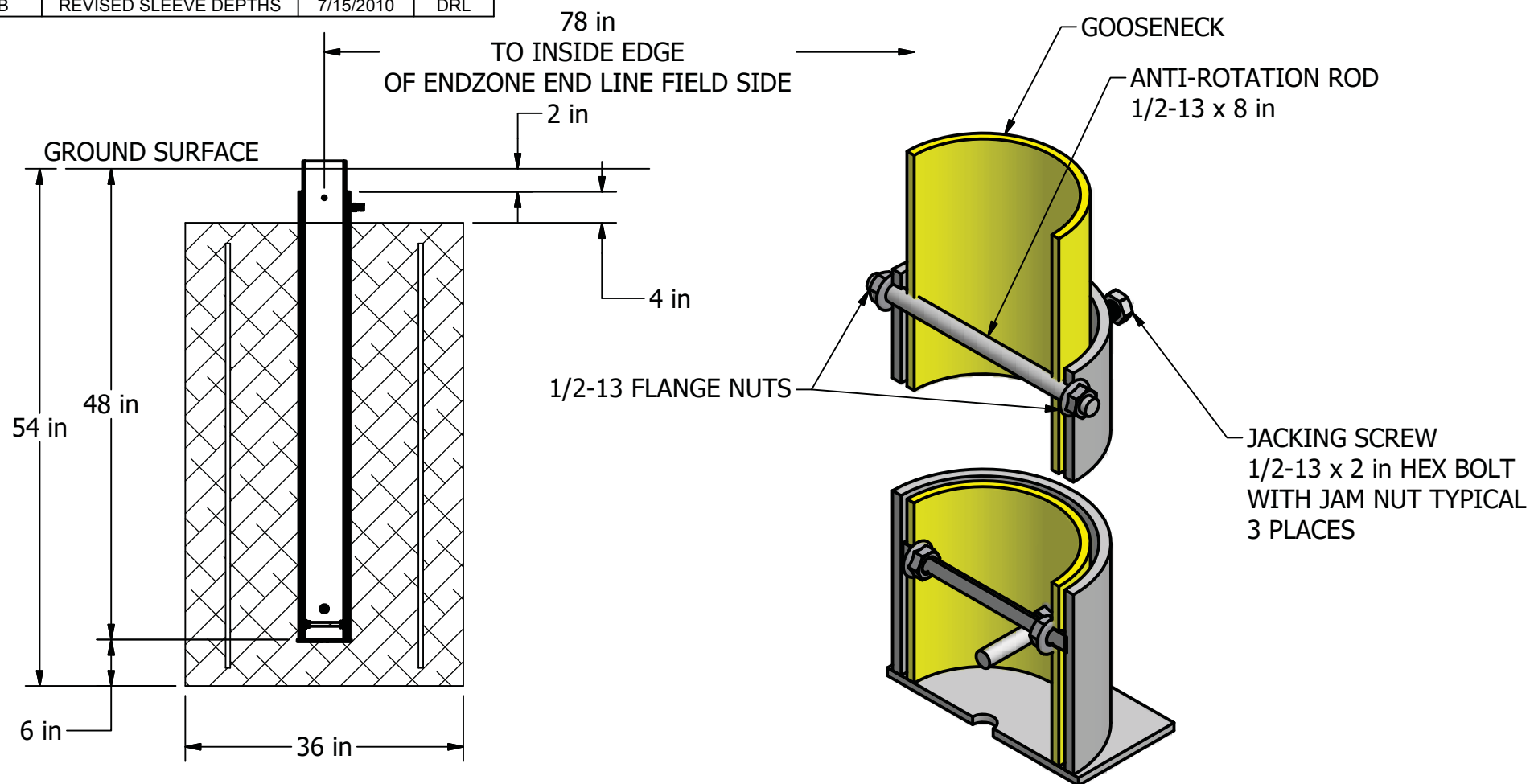
**FIGURE 2**



**FIGURE 3**

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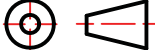
REV	DESCRIPTION	DATE	BY
B	REVISED SLEEVE DEPTHS	7/15/2010	DRL



SECTION A-A

FIGURE 4

NOTE: ASSEMBLE THE THREADED RODS AT THE BASE OF THE GOOSENECK AS SHOWN, PLUMB THE GOOSENECK WITH THE THREE BOLTS AT THE TOP OF THE SLEEVE BEFORE CROSS DRILLING THROUGH THE SLEEVE AND MAST AND ASSEMBLING THE 8 in THREADED ROD AND NUTS AS SHOWN.

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PROJECTION METHOD:		TOLERANCES:	
		$\frac{x}{x} = \pm \frac{1}{16}$ $x.x = \pm 0.1$ $x = \pm \frac{1}{16}$ $x.xx = \pm 0.01$ $x.xxx = \pm 0.005$	
UNLESS OTHERWISE SPECIFIED			
TITLE:		INITIALS:	DATE:
DESIGNER:		DONL	4/7/2010
CHECKER:		WVB	
SIZE:	SCALE:	REV.:	DRAWING NAME:
A	N/A	B	GROUND SL

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PART NUMBER:  
FB SLV6 INSTRUCTIONS

SHEET:  
1 OF 2