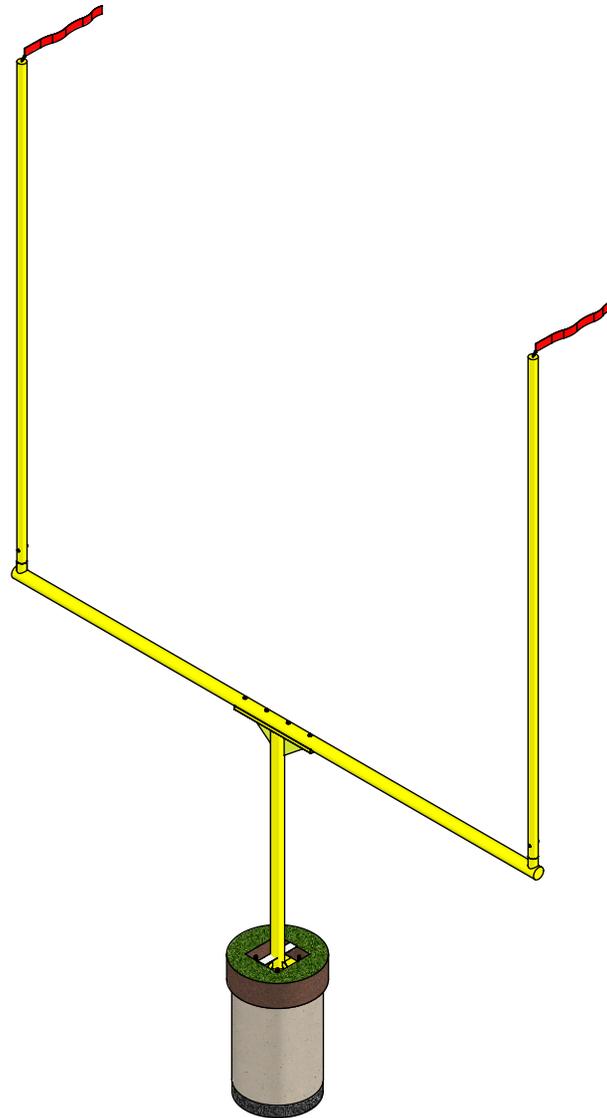
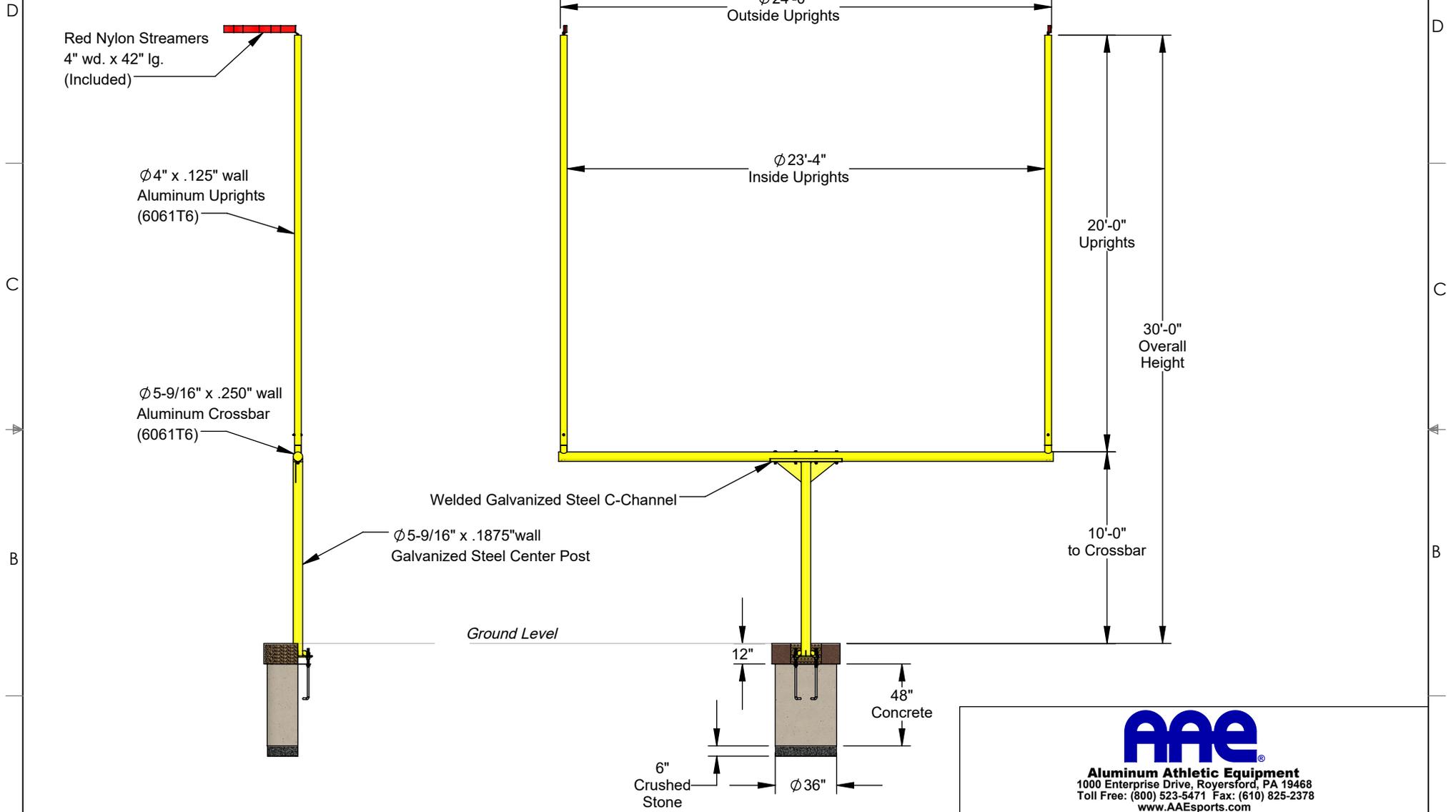


AAE Model No. AYG "Y" Football Goal



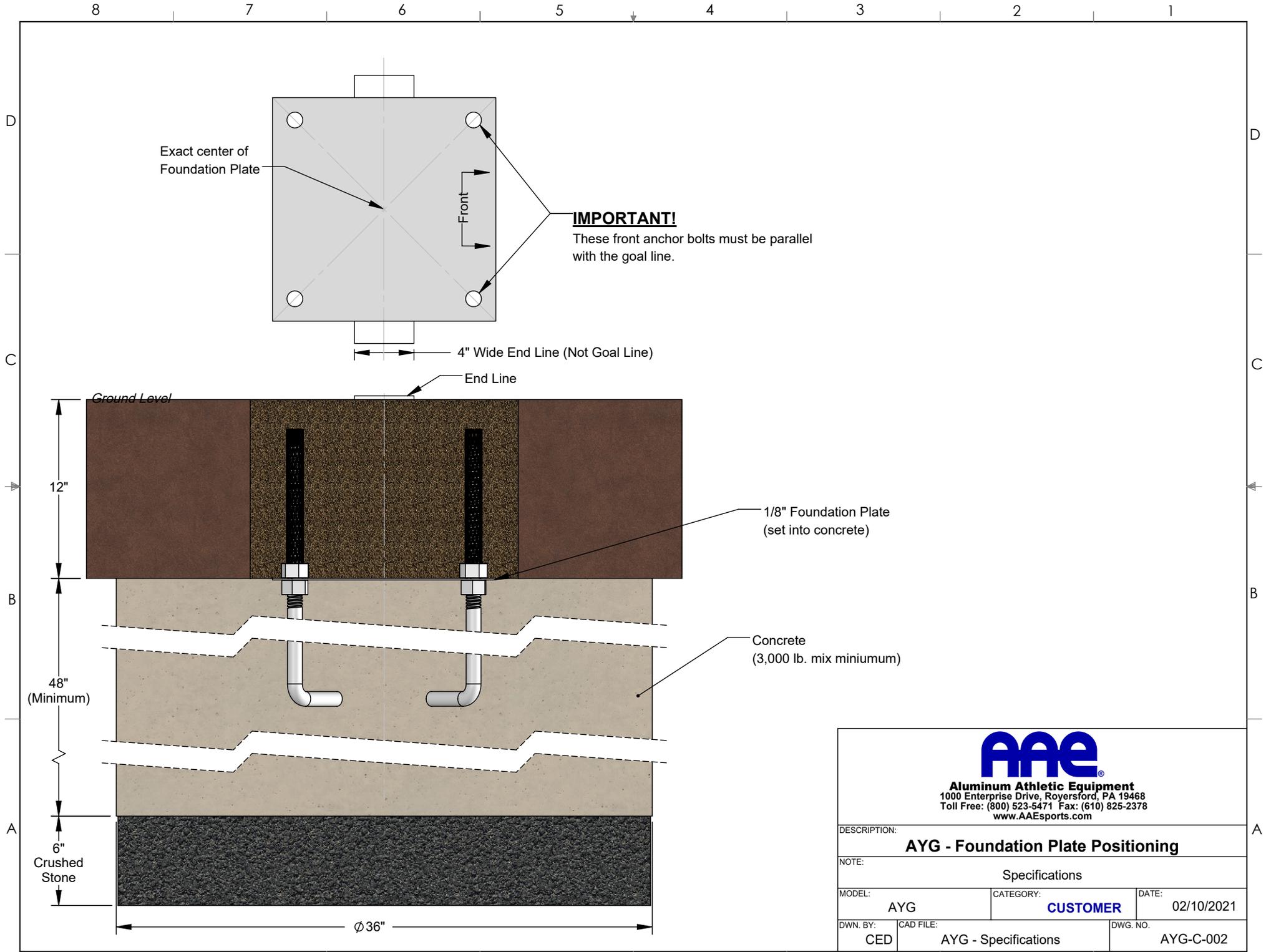
Aluminum Athletic Equipment
1000 Enterprise Drive, Royersford, PA 19468
Toll Free: (800) 523-5471 Fax: (610) 825-2378
www.AAEsports.com

AYG - "Y" Football Goal Specifications



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DESCRIPTION:			AYG - "Y" Football Goal Post
NOTE:			Specifications
MODEL:	CATEGORY:	DATE:	
AYG	CUSTOMER	2/11/2021	
DWN. BY:	CAD FILE:	DWG. NO.:	
CED	AYG - Specifications	AYG-C-002	



Exact center of Foundation Plate

Front

IMPORTANT!

These front anchor bolts must be parallel with the goal line.

4" Wide End Line (Not Goal Line)

End Line

Ground Level

12"

1/8" Foundation Plate (set into concrete)

Concrete (3,000 lb. mix minimum)

48" (Minimum)

6" Crushed Stone

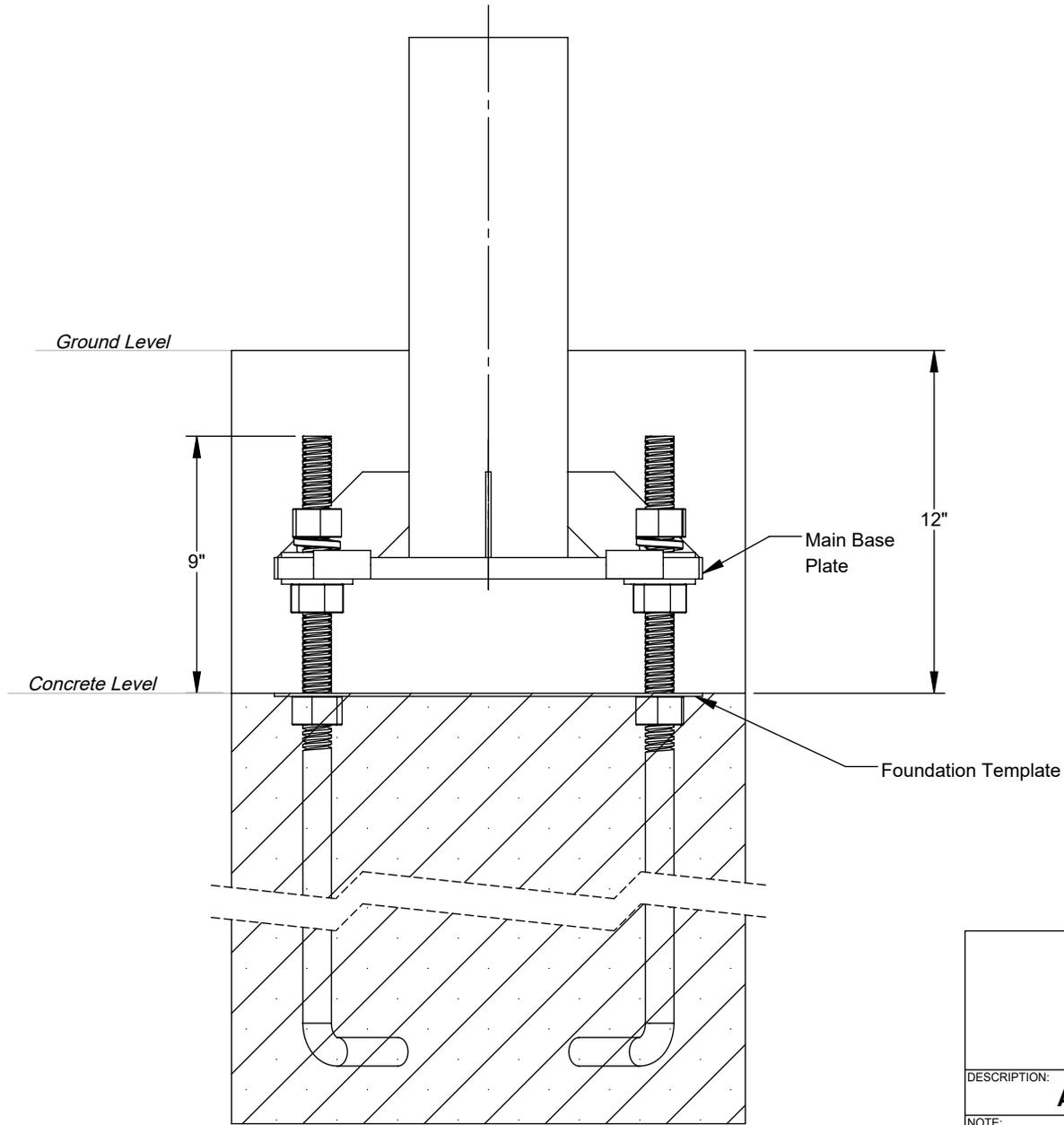
Ø36"



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DESCRIPTION:		
AYG - Foundation Plate Positioning		
NOTE: Specifications		
MODEL:	CATEGORY:	DATE:
AYG	CUSTOMER	02/10/2021
DWN. BY:	CAD FILE:	DWG. NO.:
CED	AYG - Specifications	AYG-C-002

AYG - Main Standard Mounting Detail



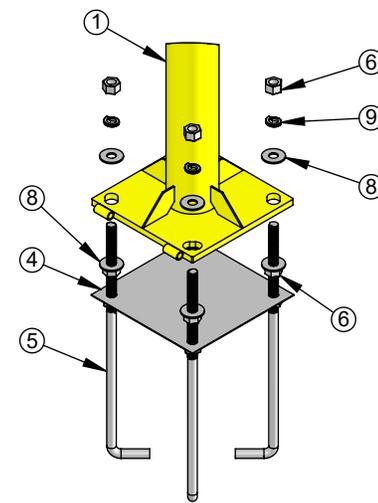
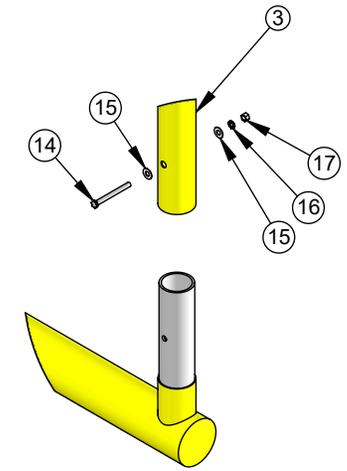
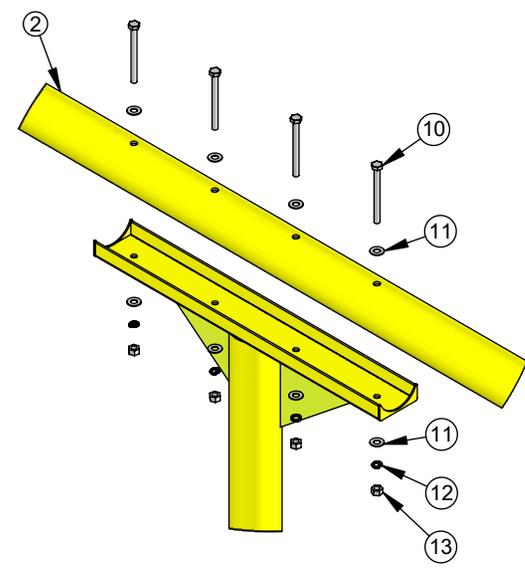
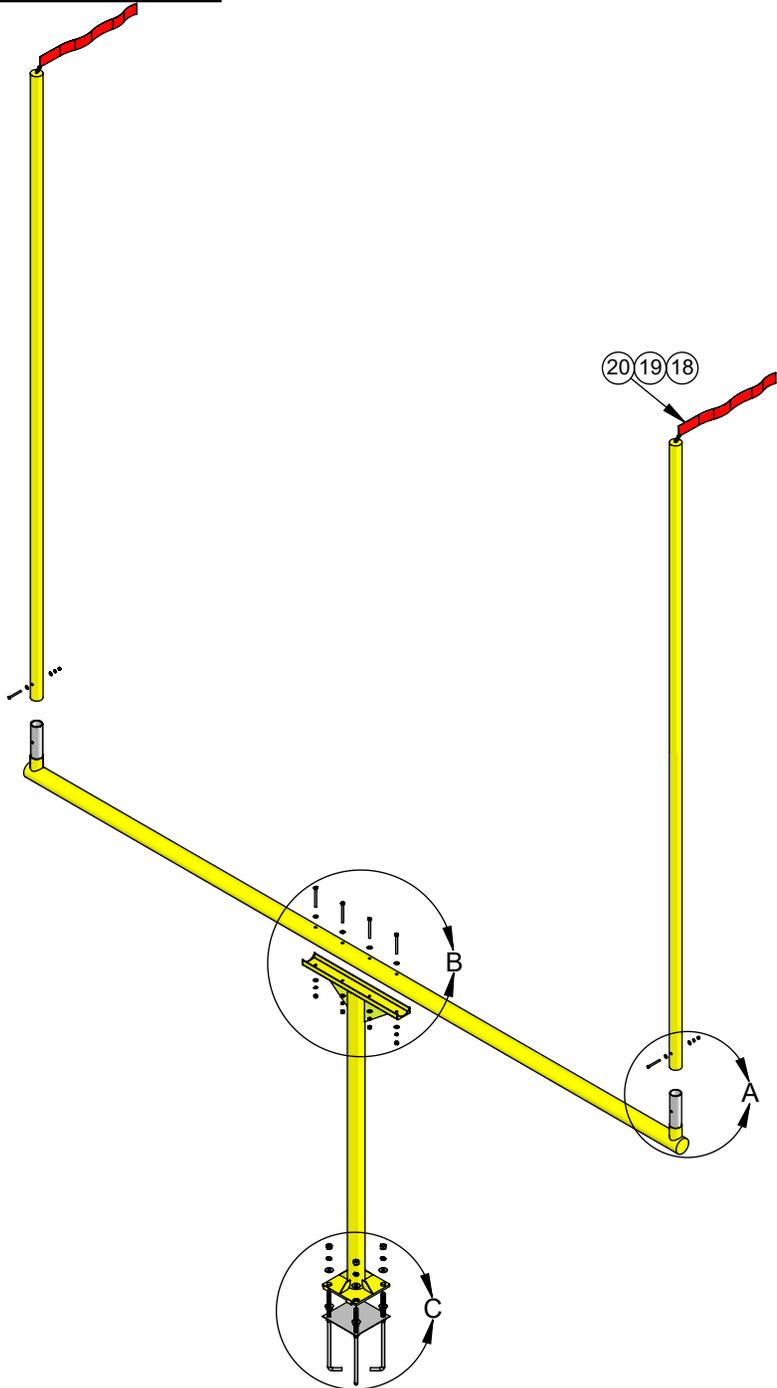
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DESCRIPTION:		
AYG - Main Standard Mounting Detail		
NOTE:		
MODEL:	CATEGORY:	DATE:
AYG	CUSTOMER	02/10/2021
DWN. BY:	CAD FILE:	DWG. NO.:
CED	AYG - Specifications	AYG-C-003

AYG - Exploded View

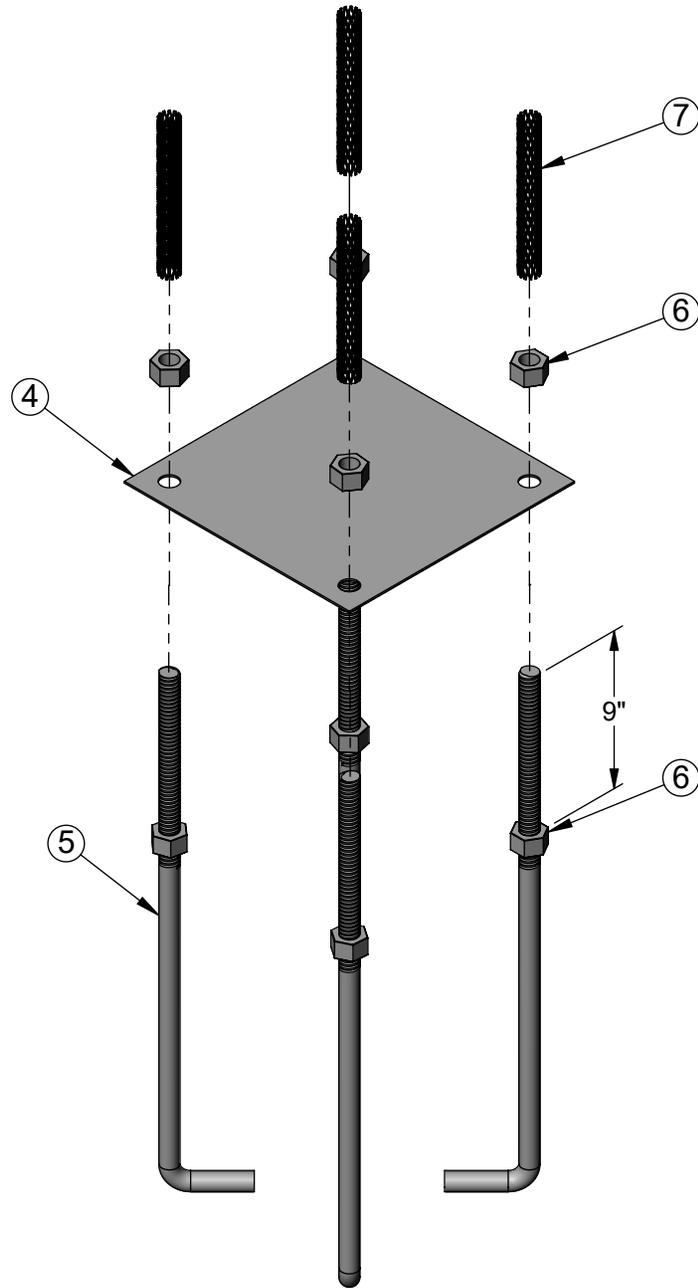
Parts Callout

D
C
B
A



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DESCRIPTION:		
AYG - Exploded View		
NOTE:		
Parts Callout		
MODEL:	CATEGORY:	DATE:
AYG	CUSTOMER	02/10/2021
DWN. BY:	CAD FILE:	DWG. NO.:
CED	AYG - Specifications	AYG-C-004

AYG - Foundation Template Assembly



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DESCRIPTION:		
AYG - Foundation Template Assembly		
NOTE: Specifications		
MODEL:	CATEGORY:	DATE:
AYG	CUSTOMER	2/11/2021
DWN. BY:	CAD FILE:	DWG. NO.:
CED	AYG - J-bolt Assembly	AYG-C-005

AYG
FOOTBALL GOALPOST
ASSEMBLY & INSTALLATION
with LEVELING NUTS

FOUNDATION PLATE ASSEMBLY (See Dwg. No. AYG-C-005)

- 1) Thread 1"-8 galvanized steel hex nuts (Item No. 6) onto the J-bolts (Item No. 5). Position the nuts so that the top of each nut is 9" down from the top of the J-bolt.
- 2) Insert each assembled J-bolt through the holes in the baseplate and "tighten" with the remaining 1"-8 hex nuts. Place the plastic stud covers (Item No. 7) over the top of the J-bolts to protect the threads until goal assembly.
- 3) Once assembled, all the J-bolts should point to the center of the baseplate (as pictured).

FOUNDATION PLATE INSTALLATION

1. Locate the centerline of the football field and the end zone lines. Make sure that it is the end zone lines that are located and not the goal line.
2. Using this point as the center, dig a hole approximately 36" -42" in diameter, and 5'0" - 6'0" deep. (This is the minimum recommended depth - consult local building codes for concrete depth and drainage requirements.)
3. Add 4" - 6" of crushed stone to the bottom of the hole for proper drainage. (Once again - consult local codes.)

SET THE FOUNDATION PLATE ASSEMBLY IN PLACE

1. Using 2"x4"s, or some other suitable supporting member, suspend the foundation assembly over the excavated hole so that the center of the plate is exactly over the center of the hole (The center being the intersection of the centerline of the football field and the center of the end line.) Position the foundation plate assembly so that the top of the foundation plate is exactly 12" below ground level. Use a plumb bob to check that the center of the plate is over the center of the hole.
2. Make sure that the assembly is centered, level and plumb over the hole. The front anchor bolts **MUST** be parallel with the end line. The orientation of these anchor bolts is pertinent to the successful installation of the goal. If these bolts are not parallel to the end line when the concrete is poured, no adjustment can be made later.
3. Once all the adjustments have been made, and the foundation assembly is properly supported, the concrete may be poured. If red plastic "stud protectors" (Item No. 7) are not on the studs already, place them on now to protect the stud while the concrete is being poured. We suggest that a minimum of 3000 lb. concrete mix be used for the foundation.

4. Allow more than ample time (16-18 days) for the concrete to cure before erecting the goal.

ASSEMBLING THE GOAL (See Dwg. No. AYG-C-004)

1. Cement should be hardened completely before continuing.
2. All goals are stamped with corresponding numbers and letters. When erecting the goal make sure that all pieces correspond properly.
3. Brush the foundation clean of any dust, debris, etc. Keep the "stud protectors" on the studs.
4. Run the 1"-8 hex nuts (leveling nuts) so they are approximately 8" from ground level. Place 1" doc-washers on top of them.
5. Lay the main standard (Item No. 1) in front of the concrete foundation. Using at least 4 men, lift and hinge the main standard into place over the foundation plate studs, remove the "stud protectors" and attach using a 1" flat washer, then a 1" lock washer, and a 1"-8 hex nut (Item Nos. 8, 9 & 6). While the goal can still be maneuvered, align it as best as possible, parallel to the goal line and 10' to the top of the crossbar. Using a torque wrench, tighten all hex nuts to 75-80 foot pounds a piece. Nuts may be loosened later if final adjustments need to be made. **NOTE: Never** attempt to tighten down the nuts on the baseplate of the goal without first relieving the pressure of the goal against the nut. Trying to tighten the nut with the weight of the goal pressing on it will damage the threads and cause irreversible damage! (Once entire goal is erected and all final adjustments have been made, place the stud protectors back on the studs.)
6. Using three (3) men and three (3) ten-foot ladders, (one at each end of the crossbar and one at the middle) raise the crossbar (Item No. 2) into position on the C-Channel atop the main standard (Item No. 1). Attach crossbar to C-channel using 5/8"-11 x 7" hex bolts, flat washers, lock washers, and hex nuts (Item Nos. 10, 11, 12, & 13). One (1) flat washer should be installed on the front side of the crossbar, with a flat washer, lock washer and hex nut on the rear. Install all crossbar bolts and hardware. Using a torque wrench, tighten all 4 bolts to 70 foot pounds a piece.
7. If red streamers (Item No. 18) are not attached to the top of the 4" uprights, do so at this time with the enclosed hardware. Eyebolts are provided at the top of each upright for attachment.
8. Move two (2) ladders to one end of the crossbar. Using two people, lift the upright (Item No. 3) into position on the crossbar. Attach upright through aluminum sleeve using 1/2"-13 x 5" hex bolts, flat washers, lock washers, and hex nuts (Item Nos. 14, 15, 16 & 17). Attach hardware so that the heads of the bolts are on the front of the upright. Torque bolts to 60 foot pounds a piece.
9. Repeat Step No. 8 for other upright.

9. Make any necessary adjustments to make the goal plumb, and square with the end line. The top of the crossbar should be 10'-0" from ground level. If not use leveling nuts to make any needed corrections in height.
10. Repeat Steps 1-9 to assemble other goal.

OPERATION AND CARE

1. If the goal is to be removed, a marine plywood or some other suitable cover should be made to cover the foundation plate assembly. The cover should be sturdy enough to withstand traffic that the general area will incur. "Stud protectors" should be placed on the studs whenever possible. If the stainless hardware is removed, anti-seize compound should be applied to the hardware prior to re-installation.
Ask an AAE sales representative about our FBC-GA-ASG (Foundation Box & Cover).
2. All bolts and nuts should be checked and retorqued each year. It is important the aforementioned torque specifications be followed as over-torquing will snap or destroy bolts or studs. Failure to properly maintain the goal on a regular basis, as with any other large equipment, could lead to serious injury or death.
3. Never attempt to tighten down the nuts on the baseplate of the goal without first relieving the pressure of the goal against the nut. Trying to tighten the nut with the weight of the goal pressing on it will damage the threads and cause irreversible damage!