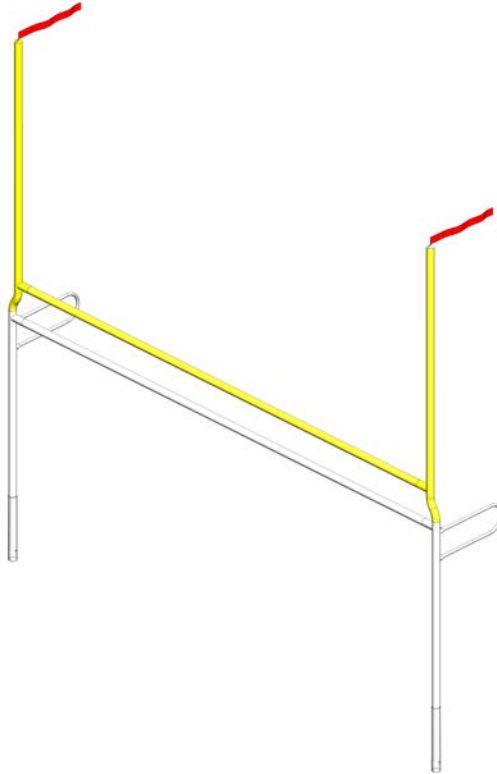


# **CAG-HS**

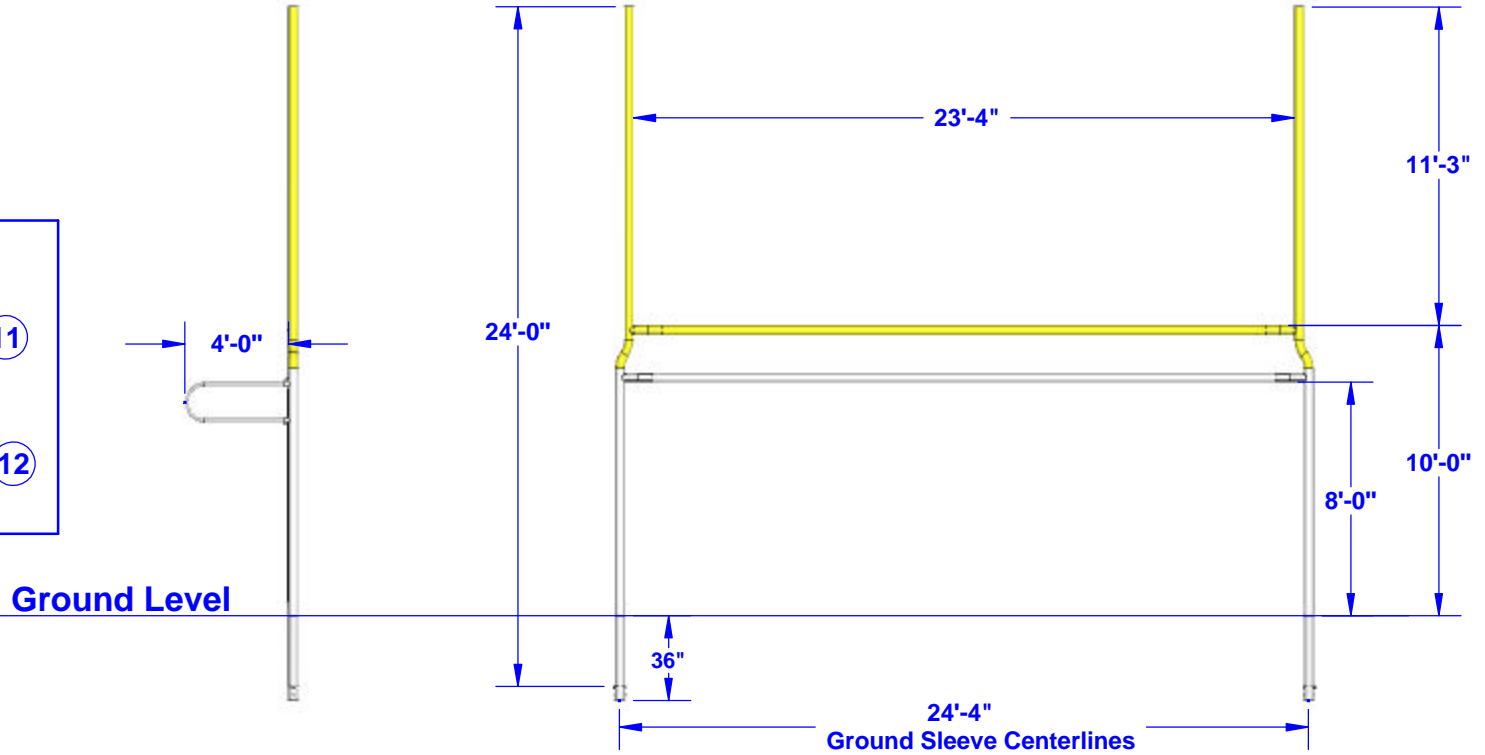
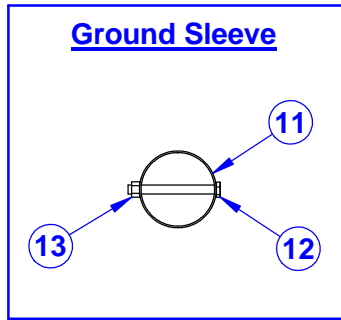
## **COMBINATION GOAL – HIGH SCHOOL**



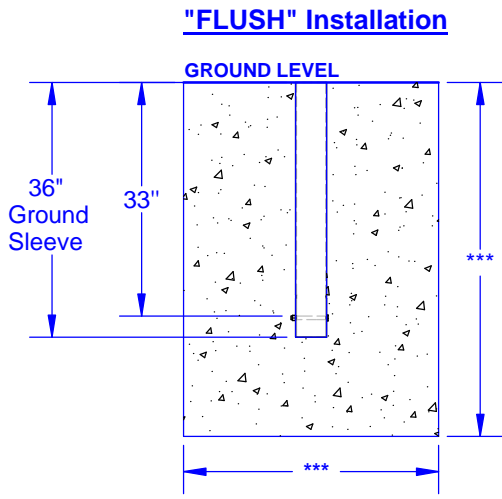
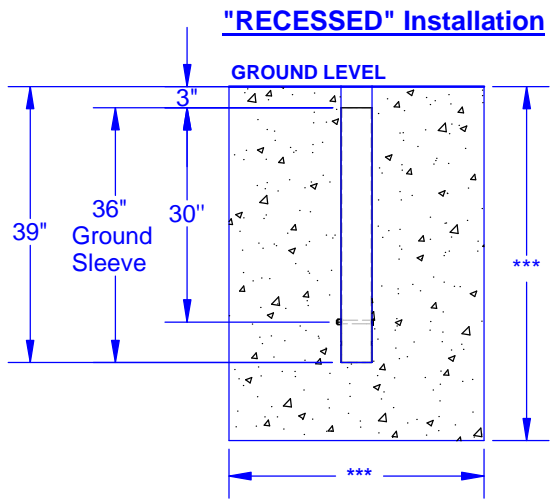
**Specification & Installation  
Packet**

**AAE**<sup>®</sup>


# CAG-HS Specifications

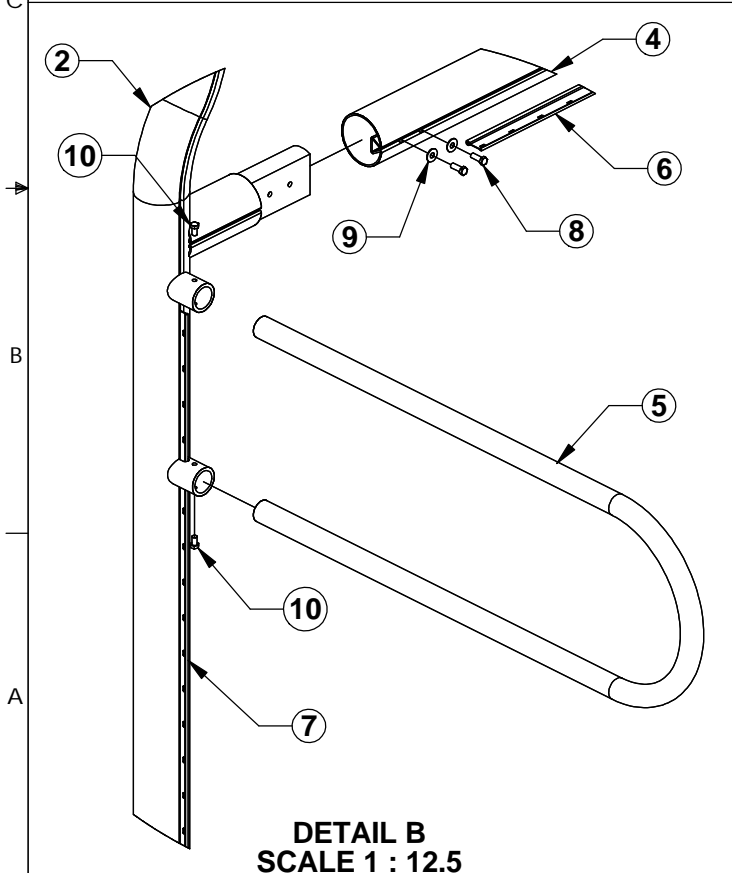
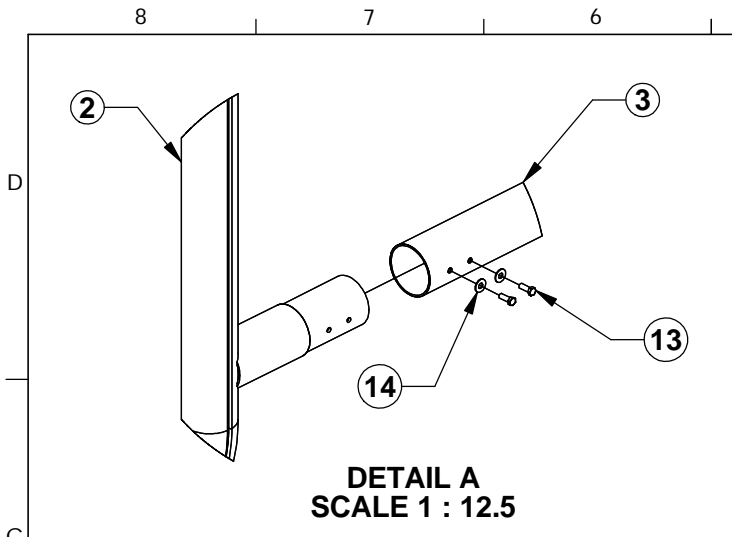


## GROUND SLEEVE INSTALLATION OPTIONS

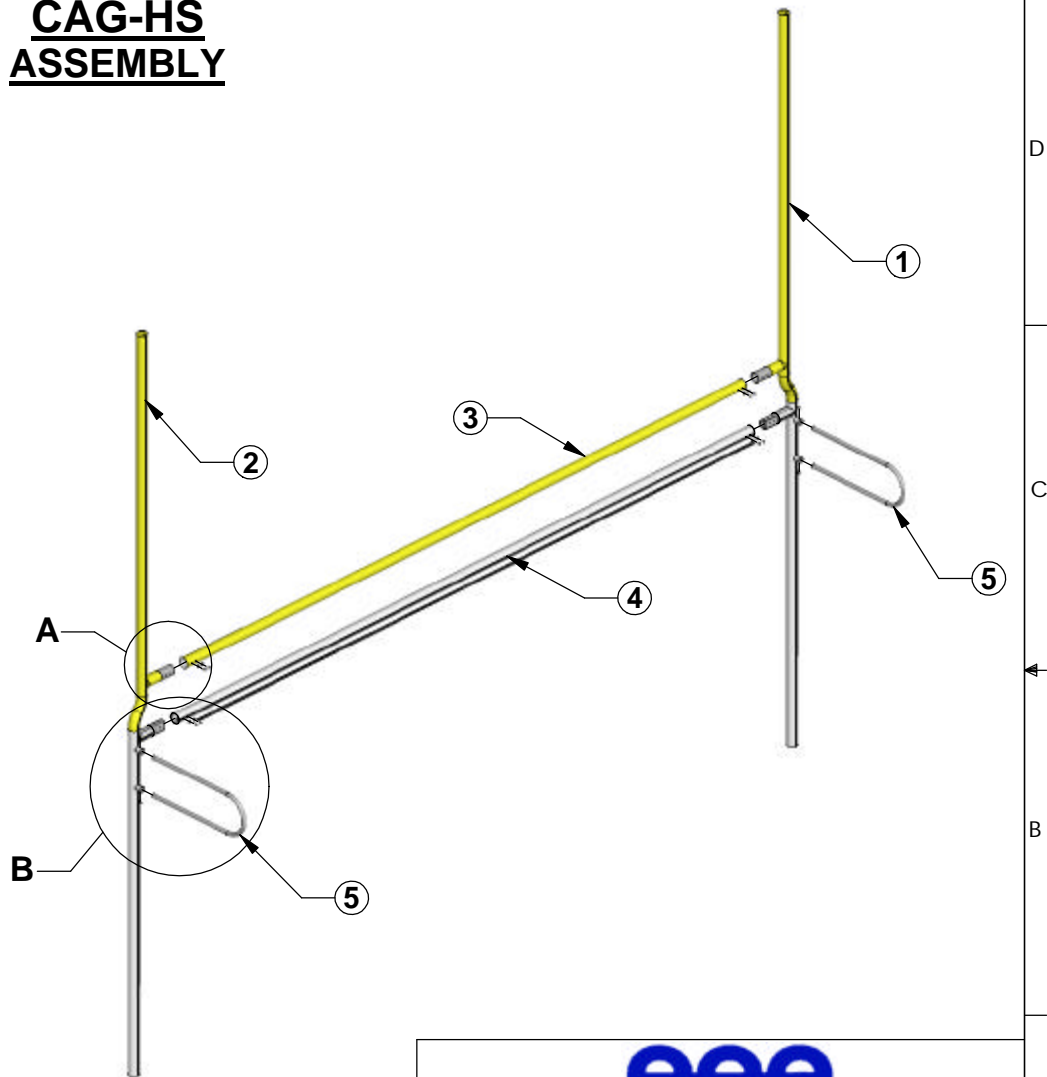



**Note:**  
\*\*\* Consult Local Building Codes

 Aluminum Athletic Equipment 4 Portland Road, West Conshohocken, PA 19428 Phone: (610) 825-6565 Toll Free: (800) 523-5471		
DESCRIPTION		
<b>CAG-HS Combination Goal Specifications</b>		
NOTE: Replaces old drawing AAE-54		
MODEL: CAG-HS	CATEGORY: CUSTOMER	DATE: 1/7/02
DRAWN BY: TAD	CAD FILE: CAG-HS Specifications	DWG. NO: CAG-HS-C-001



**CAG-HS  
ASSEMBLY**



 Aluminum Athletic Equipment 4 Portland Road, West Conshohocken, PA 19428 Phone: (610) 825-6565 Toll Free: (800) 523-5471		
DESCRIPTION		
<b>CAG-HS Combination Goal Assembly</b>		
NOTE		
Replaces old drawing AAE-55		
MODEL:	CATEGORY:	DATE:
CAG-HS	CUSTOMER	1/7/02
DRAWN BY:	CAD FILE:	DWG. NO.:
TAD	CAG-HS Assembly	CAG-HS-C-002

**CAG-HS & CSF-HS**  
**HIGH SCHOOL COMBINATION GOALS**  
**INSTALLATION AND OPERATION INSTRUCTIONS**

**INSTALLATION**

The design of the CAG-HS / CSF-HS permits the ground sleeves to be installed in either of two ways; they are as follows:

**GROUND SLEEVES - "FLUSH INSTALLATION"**

1. Locate proper location for placement of soccer goal.
2. Dig 15" - 18" diameter holes 24'4" apart, (on center) a minimum of 36" deep. **(Consult local building codes for concrete depth and drainage requirements.)**
3. Remove the portion of tape on the ground sleeve covering the hole **33"** down from the top of the sleeve. Install 1/2"-13 x 5" hex bolt (Item No. 12) through the hole and tighten with 1/2"-13 hex nut (Item No. 13) **Important: Leave the tape over the other holes, so concrete will not enter the ground sleeve when installed.**
4. Install 36" aluminum ground sleeves so that the top of the ground sleeves are flush with ground level. Make sure they are plumb, level, and centered according to "spec". Pour concrete all around the ground sleeves. **(Be sure not to get any concrete inside the ground sleeves!)** As the concrete cures, constantly check that the sleeves are plumb and level, and that the 24'-4" dimension from center to center is maintained. (Ref. - The distance from ground level to the stopbolt at the bottom of the ground sleeve should be 33".)

**GROUND SLEEVES – "RECESSED INSTALLATION"**

1. Locate proper location for placement of soccer goal.
2. Dig 15" - 18" diameter holes 24'4" apart, (on center) a minimum of 39" deep. **(Consult local building codes for concrete depth and drainage requirements.)**
3. Remove the portion of tape on the ground sleeves covering the hole **30"** down from the top of the sleeve. Install 1/2"-13 x 5" hex bolt (Item No. 12) through the hole and tighten with 1/2"-13 hex nut (Item No. 11) **Important: Leave the tape over the other holes, so concrete will not enter the ground sleeve when installed.**
4. Install 36" aluminum ground sleeves so that the top of the ground sleeves are 3" below ground level. Make sure they are plumb, level, and centered according to "spec". Pour concrete all around the ground sleeves. **(Be sure not to get any concrete inside the ground sleeves!)** As the concrete cures, constantly check that the sleeves are plumb and level, and that the 24'-4" dimension from center to center is maintained. (Ref. - The distance from ground level to the stopbolt at the bottom of the ground sleeve should be 33".)

## **GOAL ASSEMBLY**

1. Lay main uprights (Item nos. 1 & 2) face down on the ground, (with ISA stay supports facing up) about 24' apart. (Note: For goals w/ facing, the facing should point toward the ground)
2. Slide PVC net attachment strip (Item no. 6) into slot of the soccer crossbar (Item no. 4)
3. Slide PVC net attachment strip (Item no. 7) into slot of the soccer uprights (Item nos. 1 & 2)
4. Insert football crossbar (Item no. 3) into main uprights and attach with 3/8"-16 x 5/8" bolts and washers. (Item nos. 13 & 14) and soccer crossbar (Item no. 4) into main uprights and attach with 3/8"-16 x 1" bolts and washers. (Item nos. 8 & 9)
5. Insert international stays (Item no. 5) into stay supports welded on the main uprights. Secure stays with 3/8"-16 x 5/8" bolts. (Item no. 10) **Note:** Do not overtighten bolts - Threads will strip if over-torqued!
6. **Recheck all bolts for tightness.**

## **INSERTING ASSEMBLED GOAL**

1. Be sure **concrete is fully cured** before attempting to insert assembled goal into the ground sleeves.
2. If no hoist or lifting device is available, use at least six (6) men to raise the assembled goal to a vertical position . Carefully align the main uprights with their respective ground sleeves and **slowly** lower the goal into position. **Do not drop the goal into the ground sleeves!!**

## **ATTACHING THE NET (if purchased)**

1. Attach the net to the PVC net attachment strips by tightening with PVC cable ties, or by looping lace through holes in PVC strips.
2. The net should drape **around** the international stays.
3. Stake the rear and sides net to the ground if desired. (Stakes not included)

## **MAINTENANCE AND CARE**

1. The net should be taken down and stored indoors during the off-season, or if the goal will not be used for an extended period of time.
2. Tighten all joints and lubricate threads on all parts at least once a year. Use silicone to seal out parts from moisture.

**CAG-HS/CSF-HS  
HIGH SCHOOL COMBINATION GOALS  
2011  
PARTS LIST**

Part#	Item	Description	Qty.
1	Upright,LH	4.00 o.d. x .226 x 24' - 6061T6 aluminum tube.	2
2	Upright,RH	4.00 o.d. x .226 x 24' - 6061T6 aluminum tube.	2
3	Crossbar (Football)	4.00" o.d x .226 x 22'- 4" 6061T6 aluminum tube	2
4	Crossbar (Soccer)	4.00" o.d. x .226 x 23'-0" 6061T6 aluminum tube\ w/ welded net attachment extrusion	2
5	Connector Sleeve	3.50" o.d. x .250 x 12" 6061T6 aluminum tube.	8
6	Washer	Washer, Flat, 3/8", SS	16
7	Bolt	3/8"-16 x 1" steel hex bolt, SS	16
8	ISA Stay	International Net Stay, 1.688" o.d. x .125 x 43", 17" arc, 6061T6 aluminum.	4
9	Bolt	3/8"-16 x 5/8" steel hex bolt, SS	8
10	Ground Sleeve	4.35" o.d. x .100 x 36" 6061T6 aluminum tube.	4
11	Stopbolt	1/2"-13 x 5" steel hex bolt, plated	4
12	Stopbolt Nut	1/2"-13 steel hex nut, plated	4
13	Drive Rivet	3/16" Aluminum drive Rivet, 1/4" – 3/8" grip	70
14	Net Clip	1/8" dia. 7075 tempered aluminum wire, custom rolled to shape.	68
15	Drive Rivet	3/16" Aluminum drive Rivet, 3/8" – 1/2" grip	70