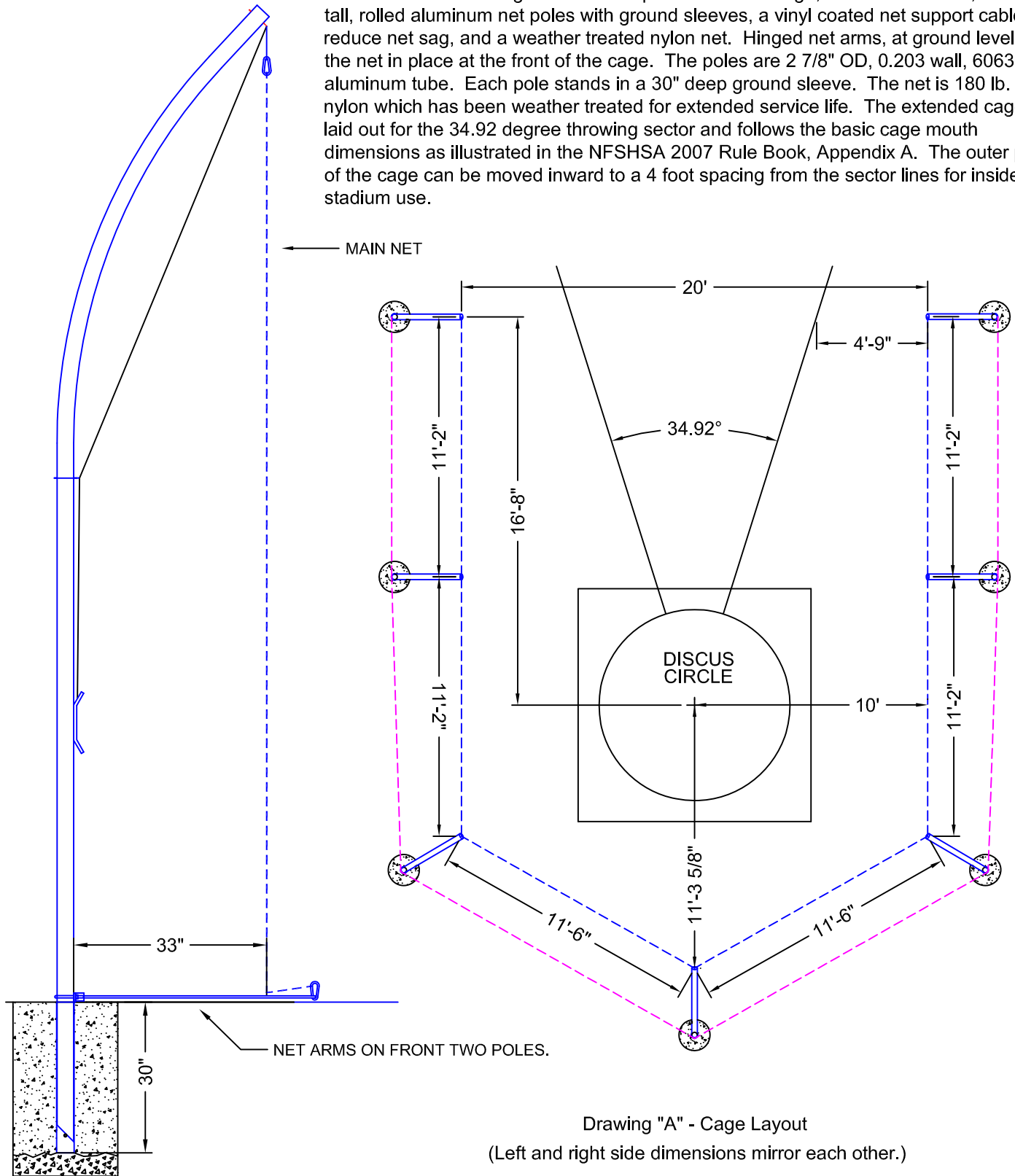


SPECIFICATIONS
(34.92 DEG. SECTOR)

The 8020 Extended High School Competition Discus Cage, consists of seven, 14 foot tall, rolled aluminum net poles with ground sleeves, a vinyl coated net support cable to reduce net sag, and a weather treated nylon net. Hinged net arms, at ground level, hold the net in place at the front of the cage. The poles are 2 7/8" OD, 0.203 wall, 6063-T6 aluminum tube. Each pole stands in a 30" deep ground sleeve. The net is 180 lb. test nylon which has been weather treated for extended service life. The extended cage is laid out for the 34.92 degree throwing sector and follows the basic cage mouth dimensions as illustrated in the NFSHSA 2007 Rule Book, Appendix A. The outer poles of the cage can be moved inward to a 4 foot spacing from the sector lines for inside stadium use.



Net Pole Side View

Drawing "A" - Cage Layout
 (Left and right side dimensions mirror each other.)

**INSTRUCTIONS FOR GROUND SLEEVES
(34.92° SECTOR)**

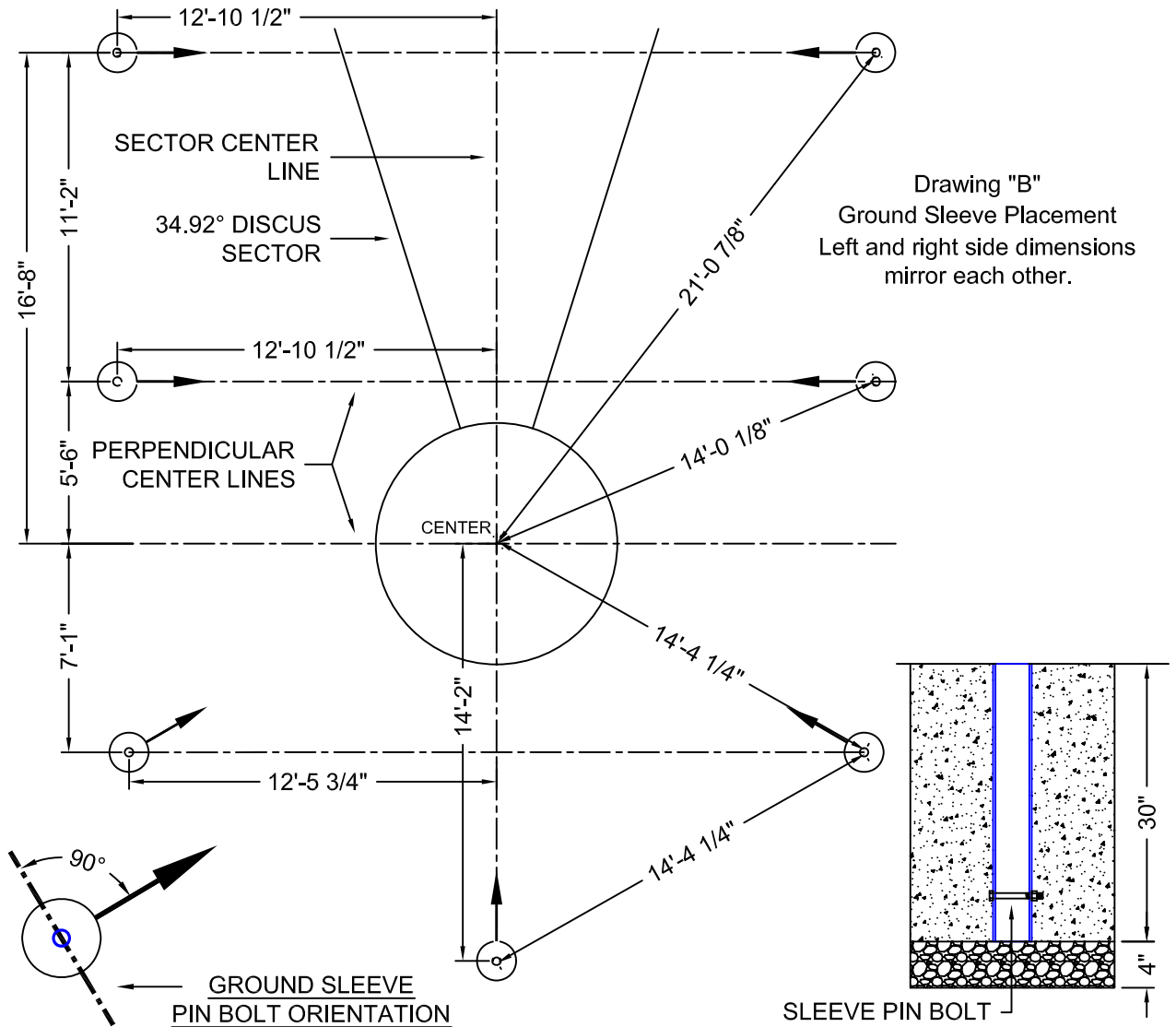
1. Stake out and mark with string the sector center line crossing the circle center. Stake out a second line perpendicular to the sector center line at the circle center. Measure and mark the sleeve centers for each post as shown in drawing "B" below.

2. Dig six 34" deep holes at marked locations. The minimum recommended diameter for these holes is 18". Soil conditions at your sight may require larger diameter concrete bases for each pole.

3. Place approximately 4" of rock in the bottom of each hole. The rock should support the sleeve at the proper height and allow water in the sleeve to drain away.

4. Mark the hole centers with crossed strings. Set each ground sleeve in place so the top edge is 1/2" above the surrounding ground level. Position the sleeves so the poles will face in the directions indicated by the arrows and as shown in Drawing "A", on the previous page. Note the detail showing the orientation of the sleeve pin bolt to the pole axis arrow. As the sleeves must remain vertical, secure them in place with wire and short sections of rebar.

5. Carefully pour cement around the ground sleeves. Check with a level to ensure sleeves have remained vertical. The concrete should slope away from the top edges of the sleeves to ground level to help keep water and debris out of the sleeves.



NOTICE: All installations should be conducted by experienced contractors and in accord with all applicable codes, laws and regulations. Suggested instructions herein are illustrative only and should be adapted to suit local requirements. Gill Athletics is not responsible for the manner in which these products are installed.

INSTRUCTIONS FOR ASSEMBLY AND NET

1. Lay each pole flat on the ground and assemble as shown below. Be sure the lower eye bolts are positioned so the rope will pass through them freely. Feed the rope through the pulley and eyebolt. Set the assembled poles into the ground sleeves with the offset pointing inward. Lower the net hook to 2ft from the ground and mark the point where it passes through the eye bolt. Tie a large knot at this point to prevent the rope from pulling through. Tie off the remaining rope at the pole.

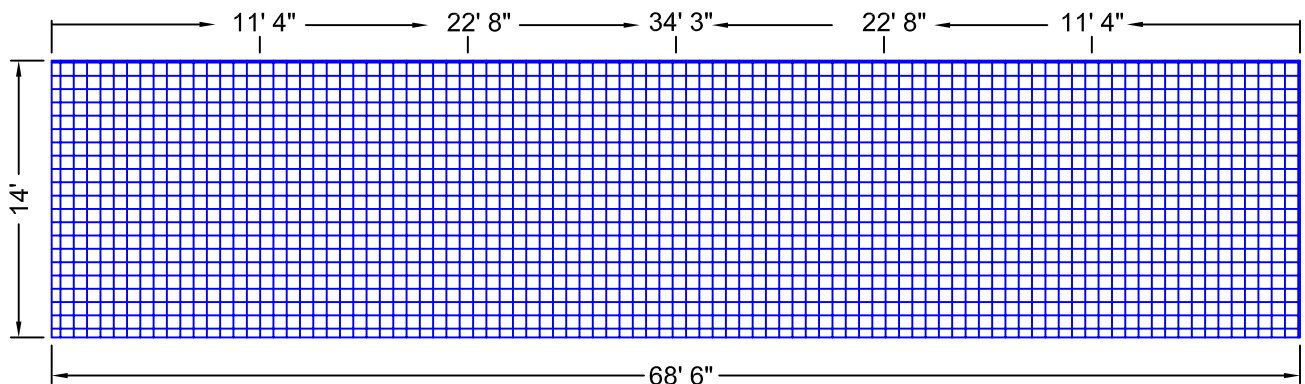
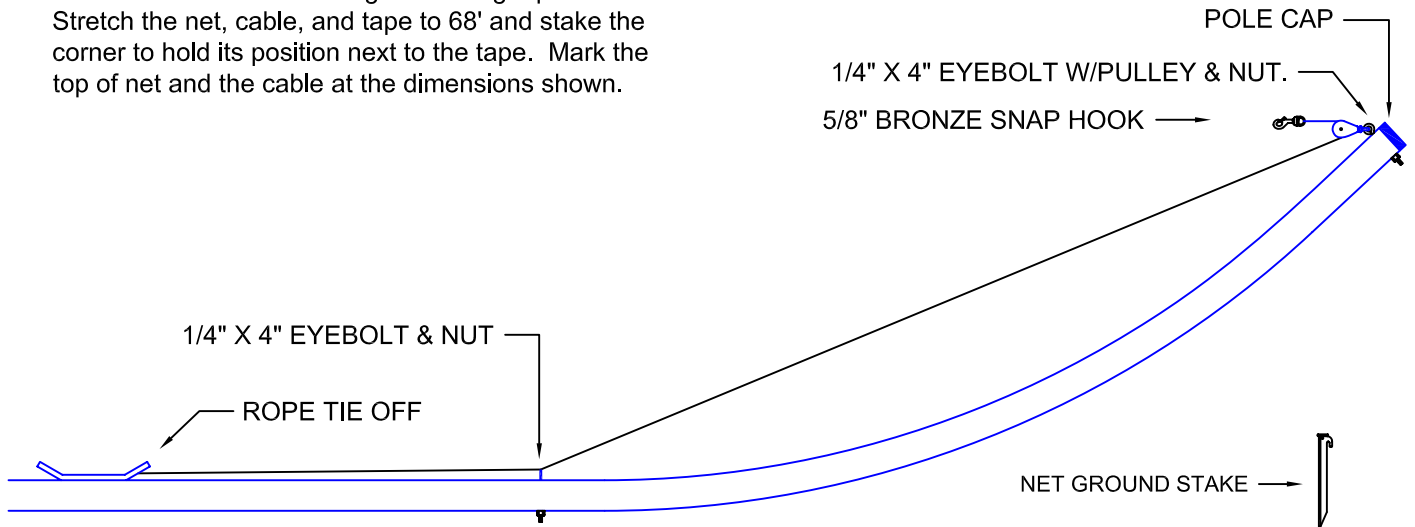
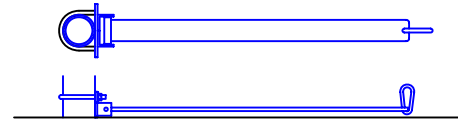
2. To minimize sag, the net is supported by a vinyl coated steel cable. To install the cable, weave it in and out through every 5th net opening just below the top edge of the net. When finished, the loops at each end of the cable should be even with the ends of the net.

3. To ensure the net is evenly spaced when it is installed, mark each hook position on the net according to the diagram below. Stretch the net out flat and stake one upper corner to the ground along with the end of a 100 ft. long measuring tape. Stretch the net, cable, and tape to 68' and stake the corner to hold its position next to the tape. Mark the top of net and the cable at the dimensions shown.

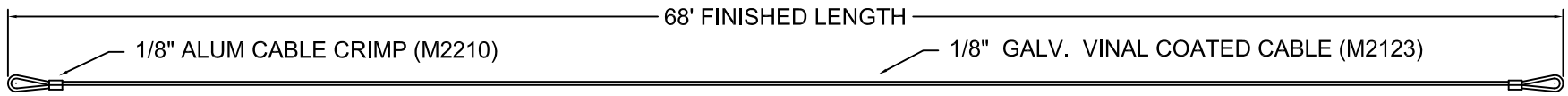
4. Lay out the net inside the cage poles with each marked position next to the appropriate net rope hook. At each position hook both the net binding and the cable. At each end be sure the hook is through the cable loop.

5. Raise the net to the top of the poles and tie off the ropes. Use the net stakes to hold the bottom of the net in place on the ground. The bottom few inches of the net is supposed to lay on the ground to help trap a discus.

6. To secure the end of the net at the outer poles, install net flip arms to the base of the outer poles with U-bolts provided. Install with the U-bolts above the arm hinge as shown. Additional net flip arms can be purchased.

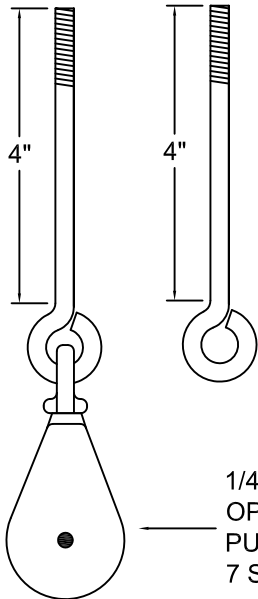


NET PLAN



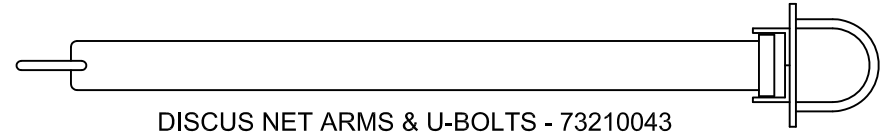
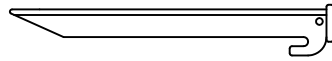
802048A - NET CABLE, 68' - ONE REQUIRED (SEE DWG 802048A)

1/4" x 4" EYE BOLT, ZINC (M2749)
14 PIECES REQUIRED
(7 WITH PULLIES)



1/4" SHELL BLOCK PULLEY (M2729)
OPEN EYEBOLTS & INSTALL
PULLEYS THEN CLOSE EYEBOLTS
7 SETS REQUIRED

9" TENT STAKES (M1242)
11 PIECES REQUIRED



DISCUS NET ARMS & U-BOLTS - 73210043
2 PIECES REQUIRED



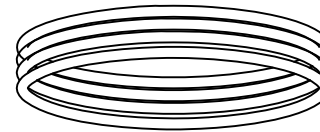
Warning Sign (M2322)
3 Pieces required



5/8" BRONZE SNAP HOOK (M815)
7 PIECES REQUIRED



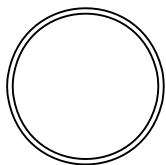
RING, 1.25" LOOSE LEAF (M1250)
12 Pieces required



1/4" ROPE (M2005), CUT 50'
LENGTHS IN HALF AND MELT ENDS
7 LENGTHS REQUIRED (25 FT)



1/4-20 NYLOCK HEX NUT (M1290)
14 PIECES REQUIRED



3" BLK ROUND END CAP (M429)
7 PIECES REQUIRED

NOTE: ITEMS ARE NOT DRAWN TO SAME SCALE

REVISIONS:			
REV	DATE	INITIAL	NOTE:
A	12-05-07	CEB	
B	09-11-09	CEB	Changed flip arm to reflect bill
C	07-26-10	PSM	Removed ground sleeve cap
D	07-06-11	CAB	Removed ground sleeve

FINISH:	HS ALUM DISCUS CAGE COMPONENTS		Litania Sports Group 601 Mercury Drive, Champaign, IL 61822, USA (217) 367-8438 © COPY RIGHT 2009 LITANIA SPORTS GROUP ALL RIGHTS RESERVED
MATERIAL:	PART #: 802040A	DATE: 10-01-2006	
	DWG #: 802040Ad	DWG BY: JWD	
	SHEET: 1 of 1		

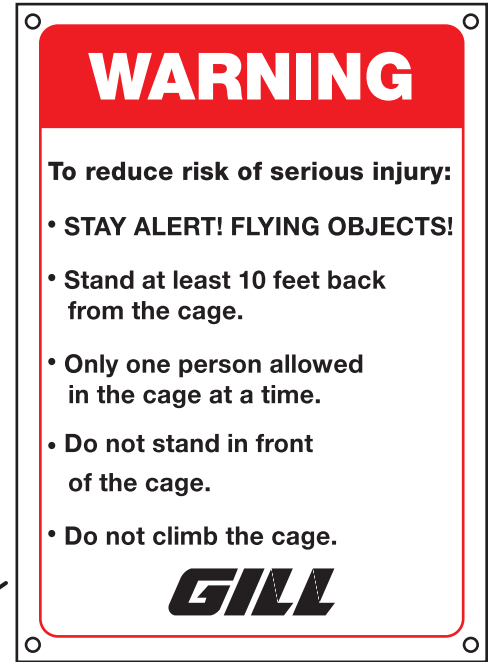


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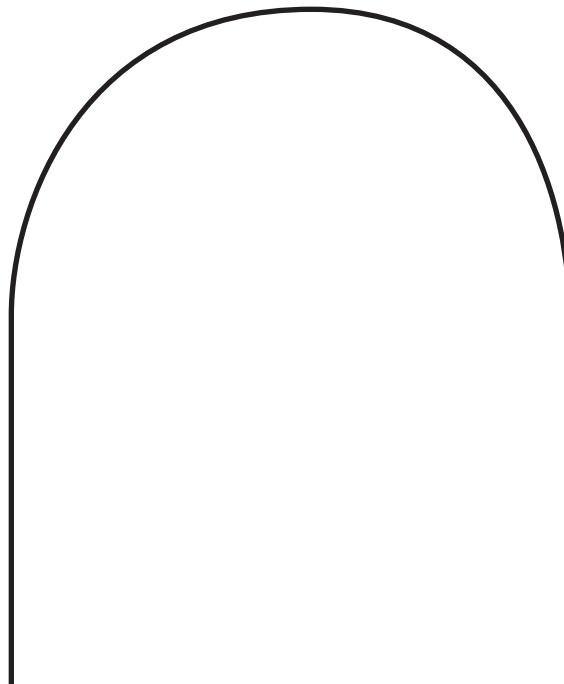
THROWING CAGE INSTALLATION OF WARNING SIGNS

For the protection of athletes, spectators, and coaches install warning signs according to the diagram below.

Attach signs (M2322) to the cage net with the included 1.25" rings (M1250) in each corner. Signs should face away from the cage toward spectators.



Center Back: Attach sign to the outside of the net at eye level in the middle of the back of the cage.



Left Front Side: Attach sign to the outside of the net at eye level near the front left side of the cage.



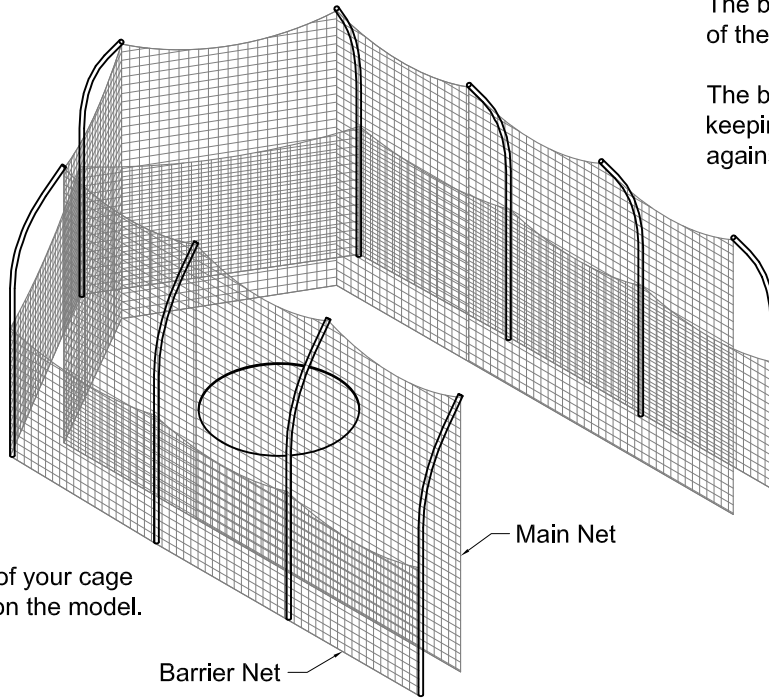
Right Front Side: Attach sign to the outside of the net at eye level near the front right side of the cage.





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DISCUS CAGE BARRIER NETS INSTALLATION



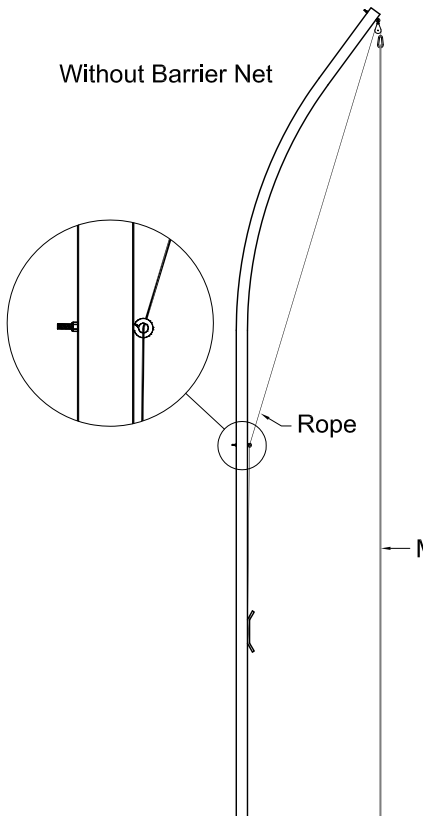
The barrier net wraps around the outside of the cage poles and is 8 feet tall.

The barrier net improves safety by keeping spectators from standing up against the outside of the main net.

The size and layout of your cage will vary depending on the model.

Main Net

Barrier Net

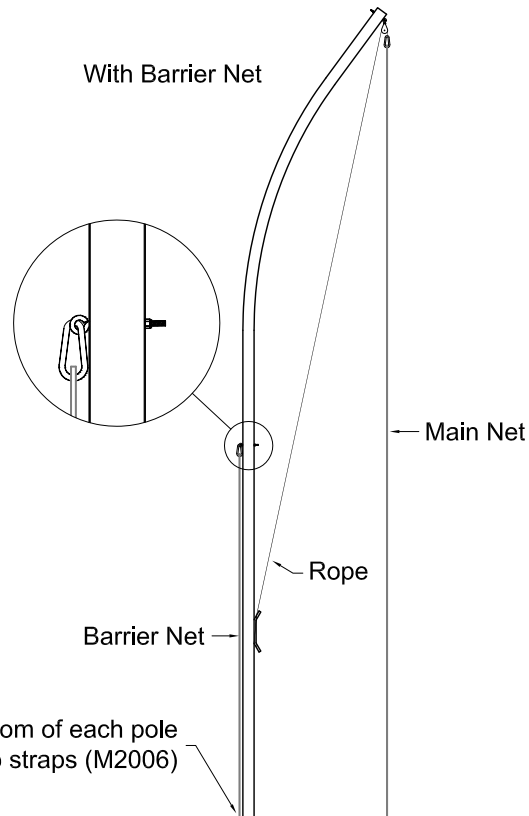


Without Barrier Net

Rope

Main Net

To install the barrier net remove the rope guide eye-bolts and re-install them reverse. You may have to move the bolt to a lower hole. Hang the barrier net from the eye-bolts using the snap hook (M2224).



With Barrier Net

Main Net

Rope

Barrier Net

Secure the net to the bottom of each pole using the 15" velcro straps (M2006)

GILL ATH
05/30/08