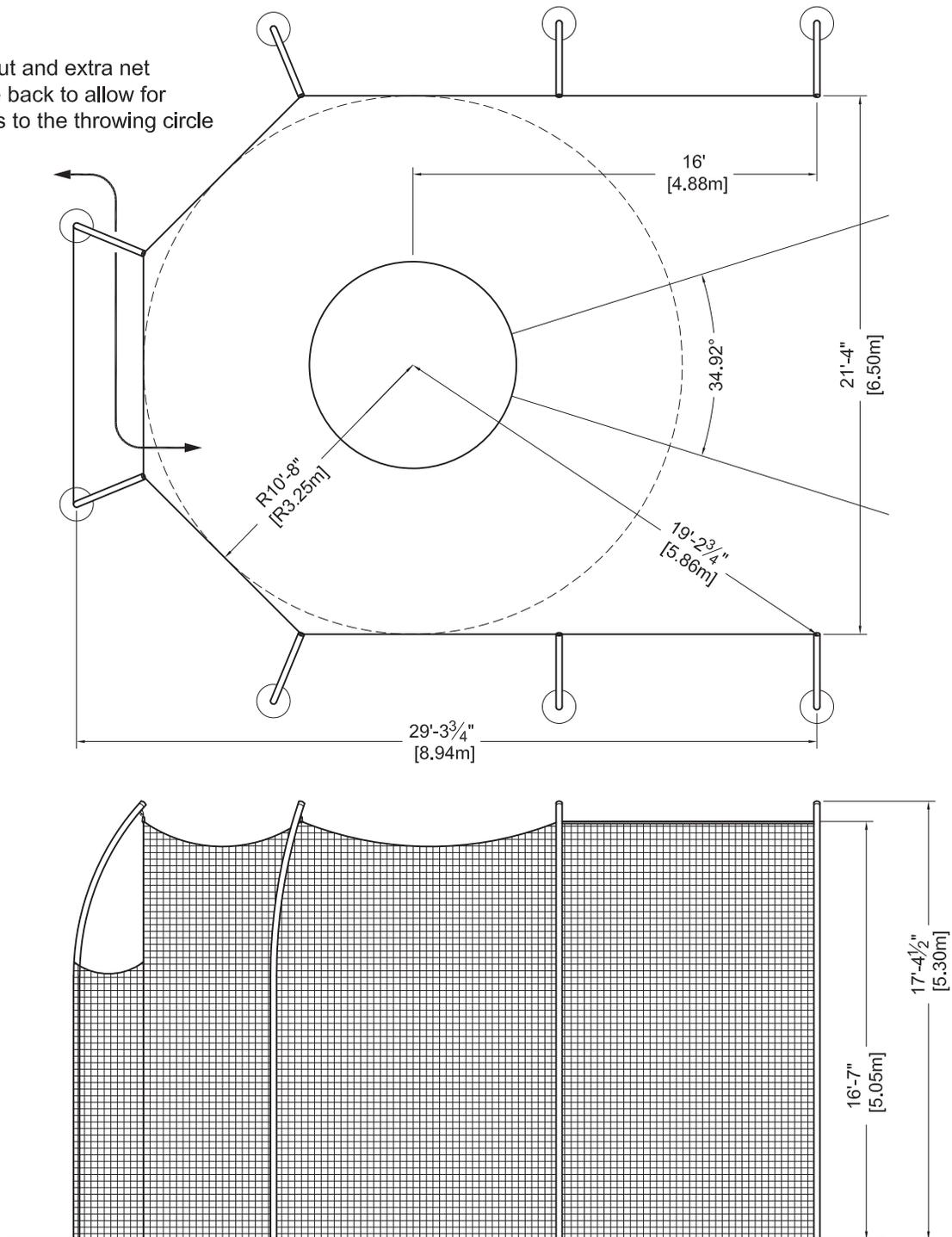




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## 732130 - NCAA DISCUS CAGE SPECIFICATIONS

Special cut out and extra net section in the back to allow for easier access to the throwing circle



The 732130, NCAA Discus Cage, consists of eight, 5.3m tall, rolled aluminum net poles with ground sleeves and a weather treated nylon net. The rolled net poles are 2 7/8" OD, 0.203 wall, 6063-T6 aluminum tube. Each pole stands in a 36" deep ground sleeve. Galvanized steel tubes support the net between the first two poles on each side. Eight hinged net arms, at ground level, hold the bottom of the net in place. The net is 340 lb. test nylon which has been weather treated for extended service life. The net has a special cut out and extra section in the back to allow for easier access to the throwing circle. The narrow cage opening greatly reduces the area outside the landing sector that a errant thrown discus can land in while not impeding a good throw. This layout is still less restrictive than the current IAAF cage specifications. Wider openings are possible by adjusting sleeve positions but will result in a larger implement landing danger zone.



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## 732130 - NCAA DISCUS CAGE GROUND SLEEVE INSTALLATION

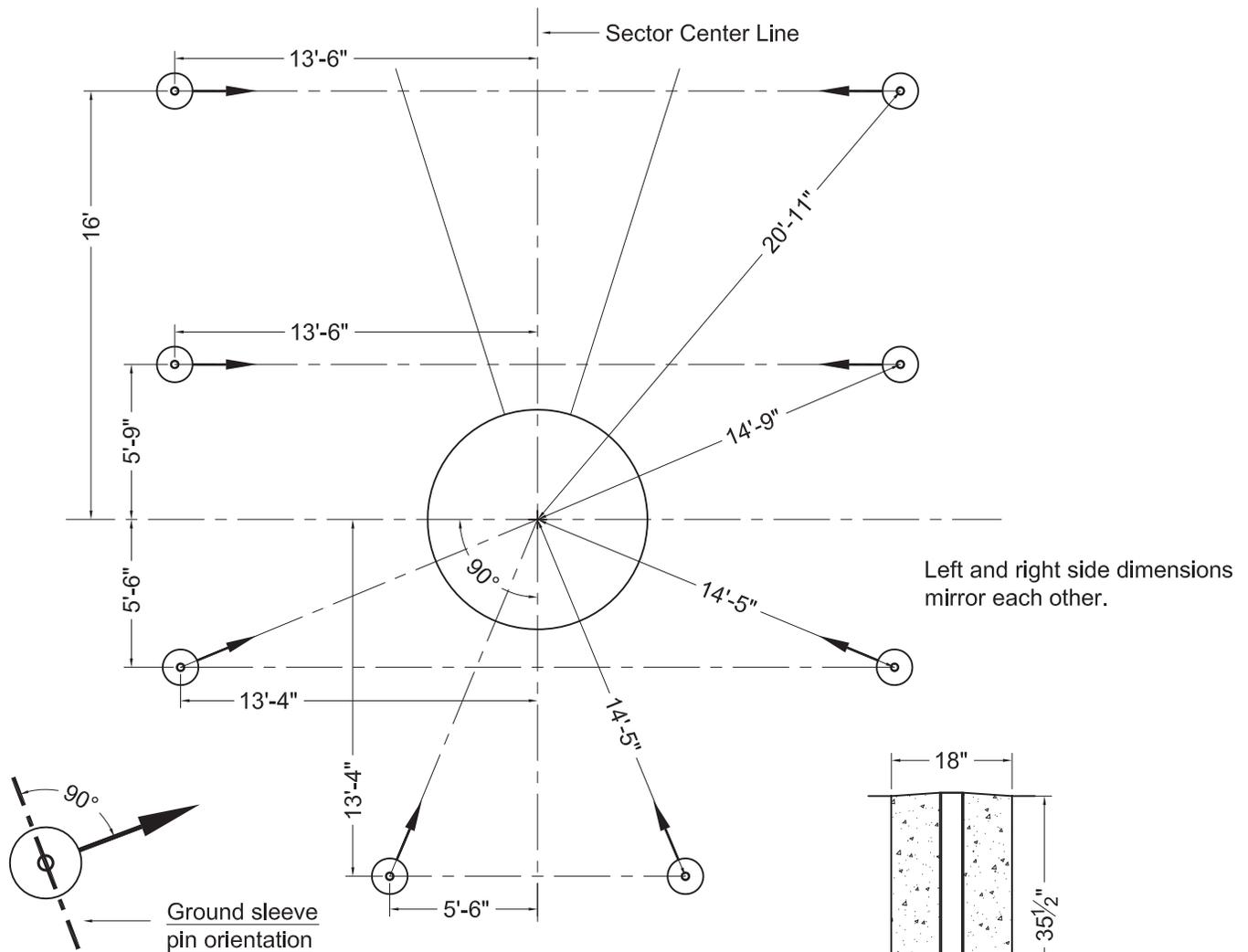
1. Stake out and mark with string the sector center line crossing the circle center. Stake out a second line perpendicular to the sector center line at the circle center. Measure and mark the sleeve centers for each post as shown below.

2. Dig eight 40" deep holes at marked locations. The minimum recommended diameter of 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 as shown. Note the detail showing the orientation of the sleeve pin 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.

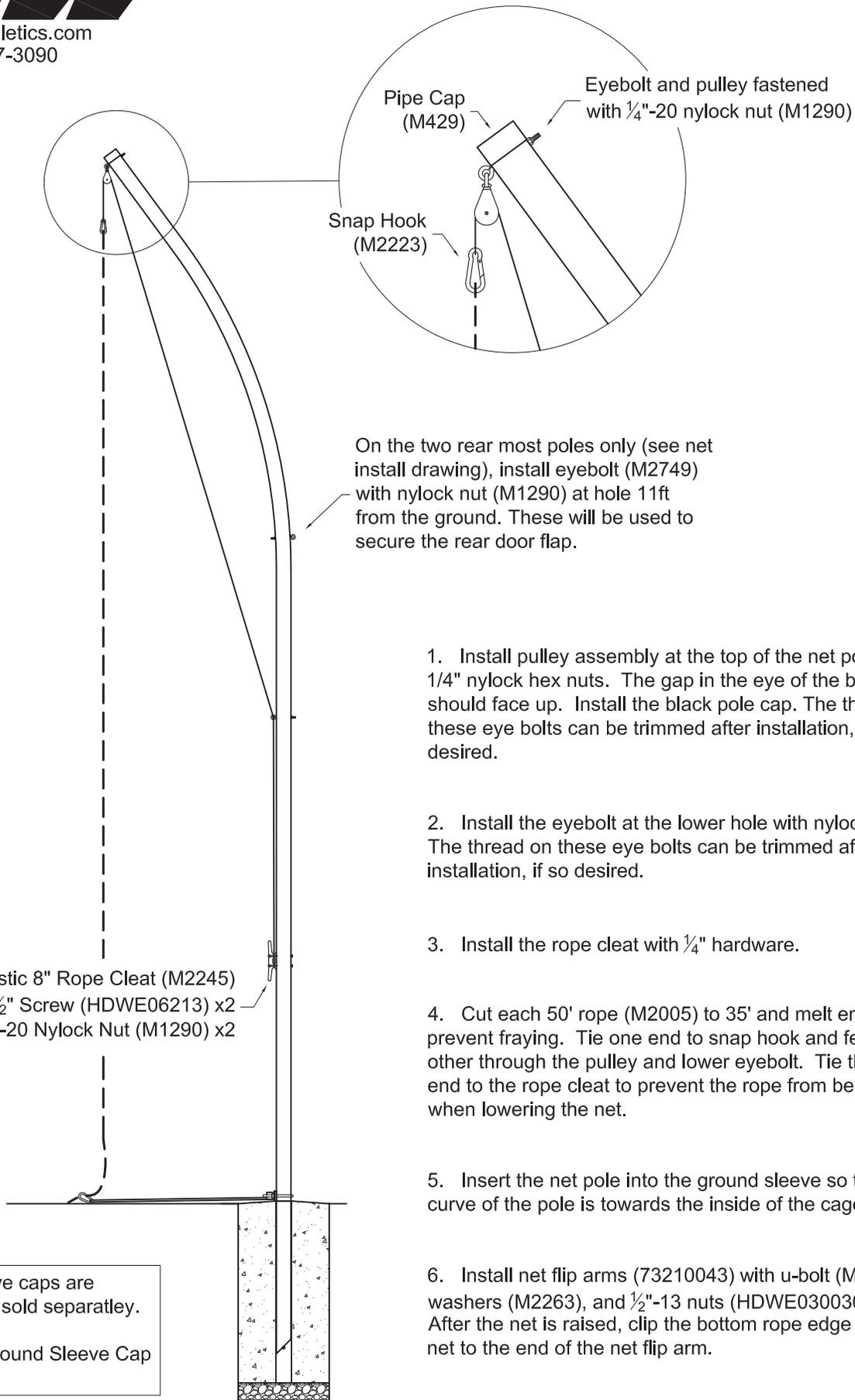


**NOTICE:** All installations should be conducted by experienced contractors and in accord with all applicable codes, laws and regulations. Suggested instructions herein are illustrative only and should be adapted to suit local requirements. Gill Athletics is not responsible for the manner in which these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



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## 73213020 - CAGE NET POLES NET POLE ASSEMBLY



Ground sleeve caps are available but sold separately.

Work with Ground Sleeve Cap #73213026



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## 732130 - NCAA DISCUS CAGE NET INSTALLATION

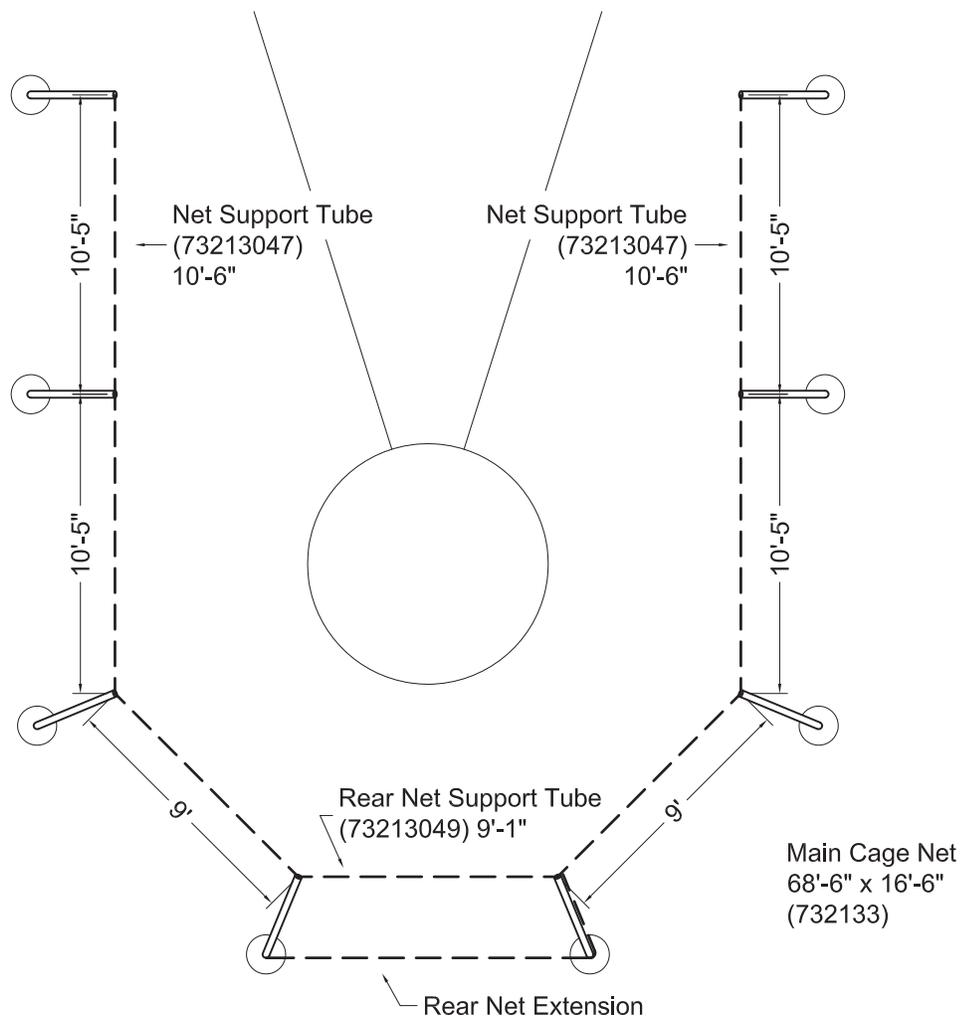
1. To minimize sag between the first two poles, the net is supported by a galvanized steel support tube on each side. To install the tube, attach a short 1/4" eyebolt (M27711) with a nylock hex nut (M1290) at one end of each tube. At the top corner of the net, weave the tube in and out through every 4th net opening just below the top edge of the net. The installed eyebolt should now be even with the corner of the net. Install the second eyebolt in each tube.

2. 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 and tape to 68' 6" and stake the corner to hold it's 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. Install the rear net support tube between the two poles indicated in the drawing. The tube is installed in the same fashion as the front two support tubes and is meant to support the net above the rear entry cut out.

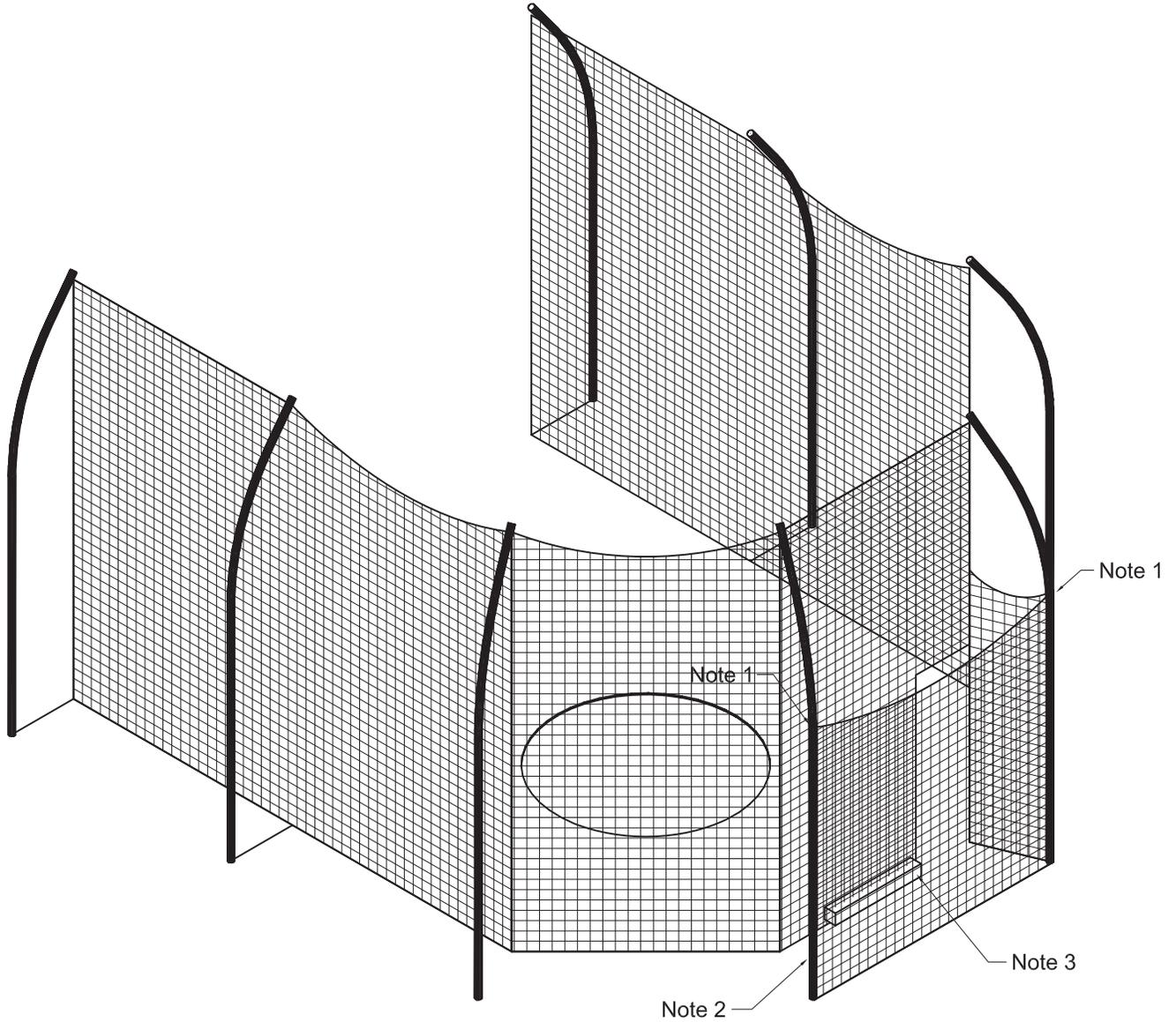
6. Raise the net to the top of the poles and tie off the ropes. Hook the bottom of the net to the flip arm. A sand bag or other weight can be placed on the arm to increase the arms resistance. The bottom 6" of the net is supposed to lay on the ground to help trap a discus.





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## 732130 - NCAA DISCUS CAGE NET INSTALLATION



### NOTES:

1. Wrap the rear access net extension around the outside of the two rear most net poles. Hook the net to the poles at the eyebolt 11ft from the ground.
2. Lace the entire end of the net extension to this pole using rope.
3. Clip the door flap weight (73210050) to the bottom net edge rope next to the entry way to keep the net from moving in the wind.

**⚠ WARNING:** This product can expose you to Titanium Dioxide, which is known to the State of California to cause cancer. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

[suggestions@gillathletics.com](mailto:suggestions@gillathletics.com)

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GILL ATH  
10-01-13  
732130\_net2

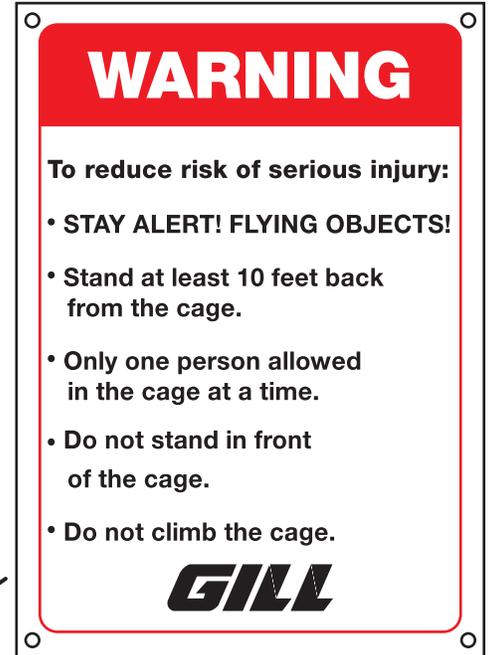


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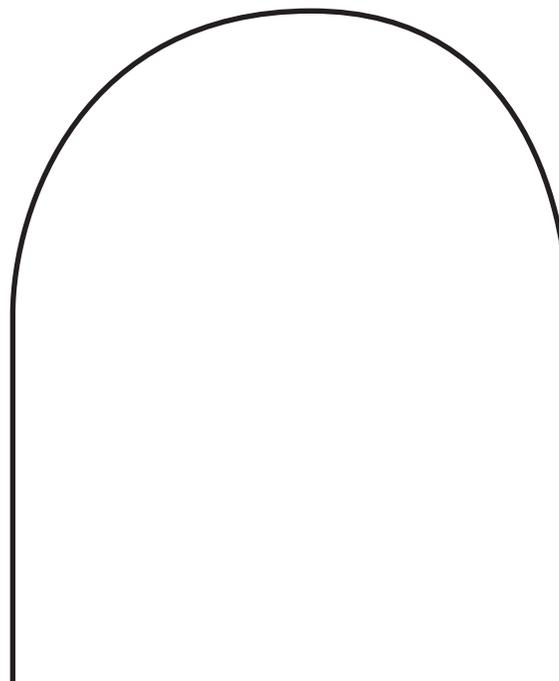
## THROWING CAGE INSTALLATION OF WARNING SIGNS

**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.

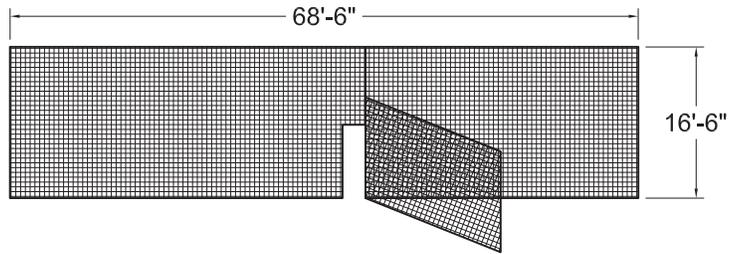




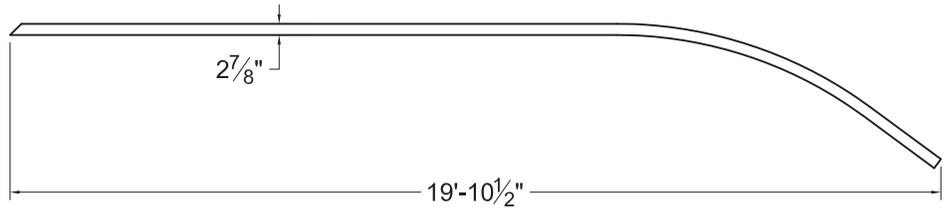
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**732130 - NCCA DISCUS CAGE  
SHIP LIST**

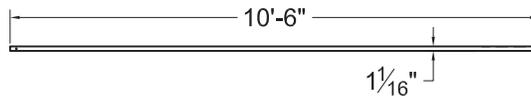
Main Net  
732133  
x1



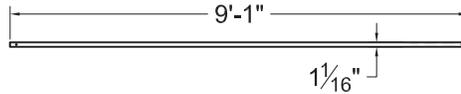
Aluminum Net Pole  
732130A20  
x8



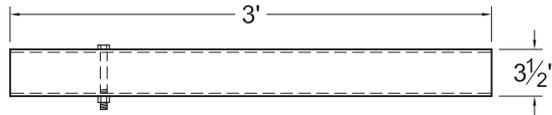
Galv. Steel Net Support Tube  
73213047  
x2



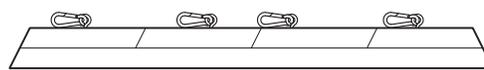
Galv. Steel Rear Net Support Tube  
73213049  
x1



PVC Ground Sleeve  
732130A25  
x8



Door Flap Weight  
73210050  
x1



**Cage Components Box - 732130A40**

Warning Sign  
M2322  
x3



Snap Ring  
M1250  
x12

Net Arm  
73210043  
x8



Pipe Caps  
M429  
x8



1/4" Polyester Rope  
M2005  
x400ft

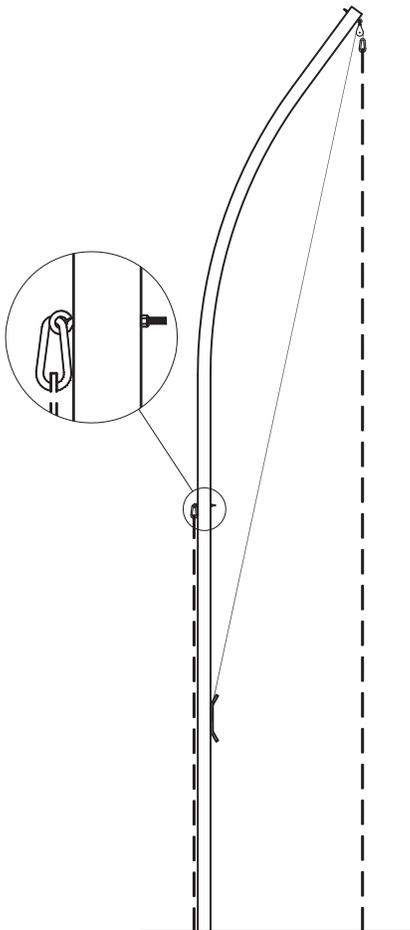
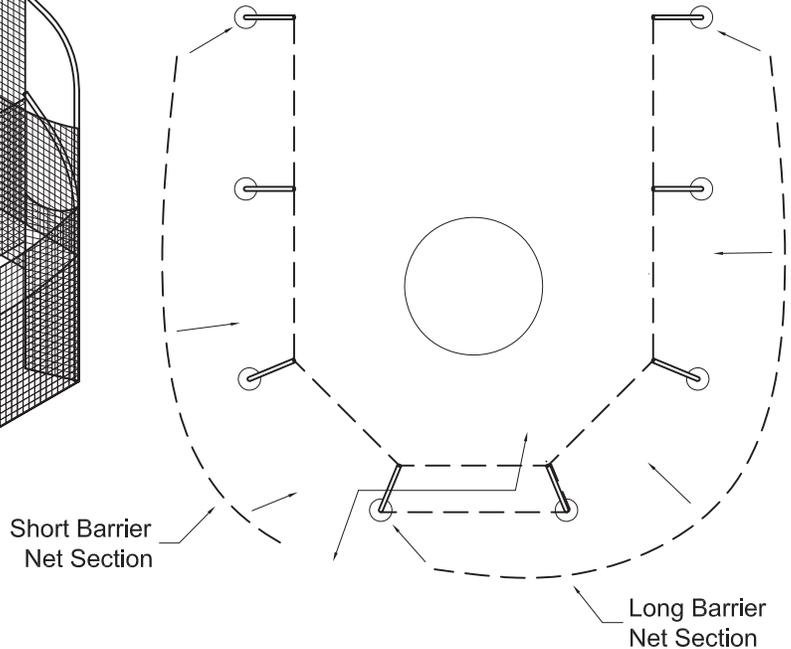
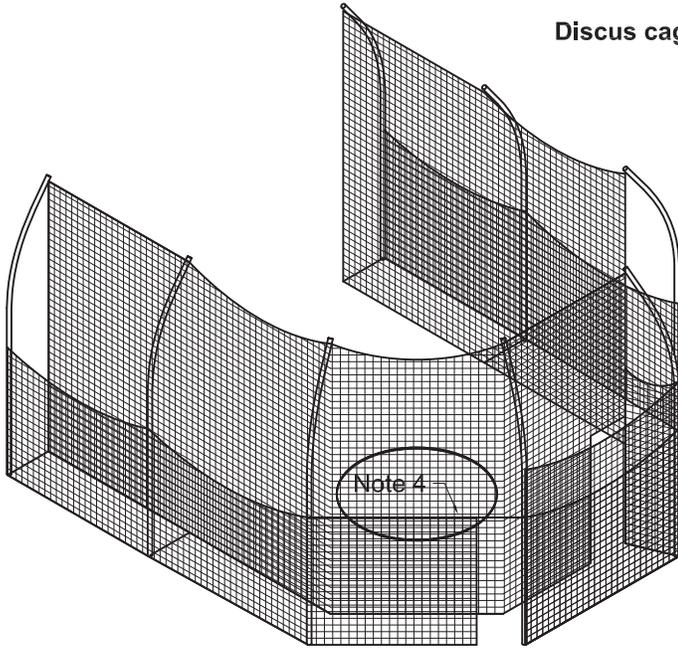
HARDWARE BAG x 1:		
QTY.	M#	DESCRIPTION
40	M1290	1/4"-20 Nylock Hex Nut
8	73214042	Pulley & Eyebolt Assembly
10	M2749	1/4"-20 x 4" Eyebolt
10	M2223	3/8" Snap Hook
6	M27711	1/4"-20 x 1 1/2" Eyebolt
8	M2245	Plastic 8" Rope Cleat
16	HDWE06213	1/4"-20 x 4 1/2" Screw



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## BACK DOOR DISCUS CAGE BARRIER NET NET INSTALLATION

Discus cage size and layout will vary depending on model number.



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.

However it does not eliminate the possibility of injury, everyone involved with the discus throw from spectators to athletes must show proper judgment.

### NOTE:

1. The discus cage barrier net consists of two net sections, a net support cable, and connecting hardware.
2. If not already installed, install eyebolts in all of the net poles and door poles at 8 feet above the ground. The eye of the eyebolt should be on the outside of the discus cage.
3. Starting at the door poles, hang the barrier net from the eyebolts using snap hooks.
4. At the end of the short section, lace the net support cable through the top of the barrier net. Connect the net support cable to both poles. Do not connect the end of the short net section to the net pole, this will leave an opening to the rear access of the discus cage. See top left drawing.

GILL ATH  
10/01/09