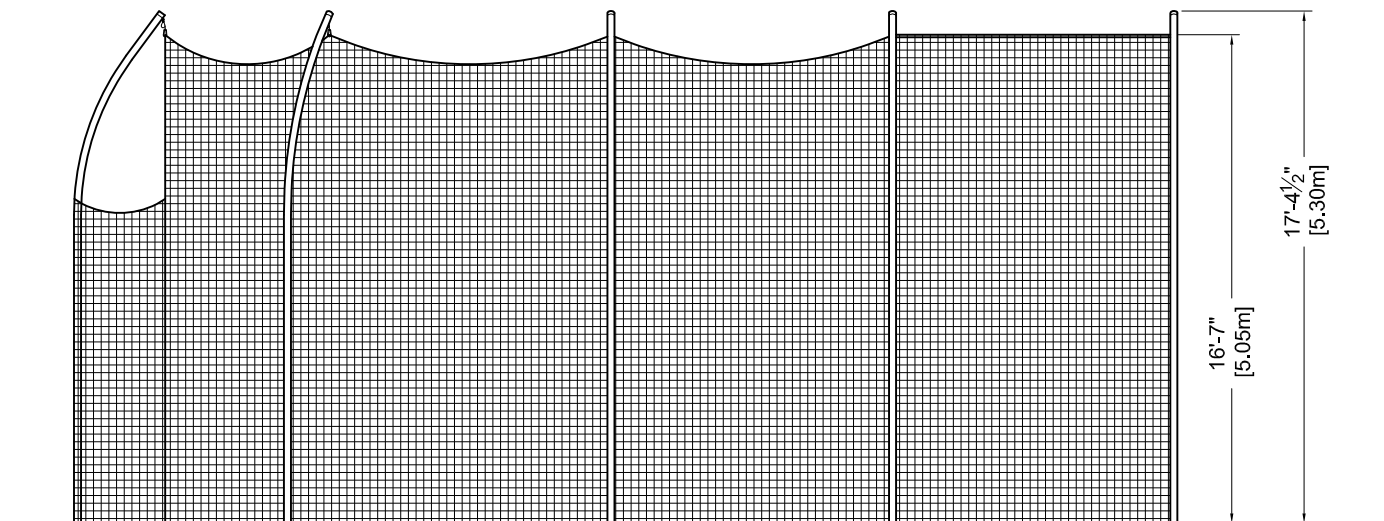
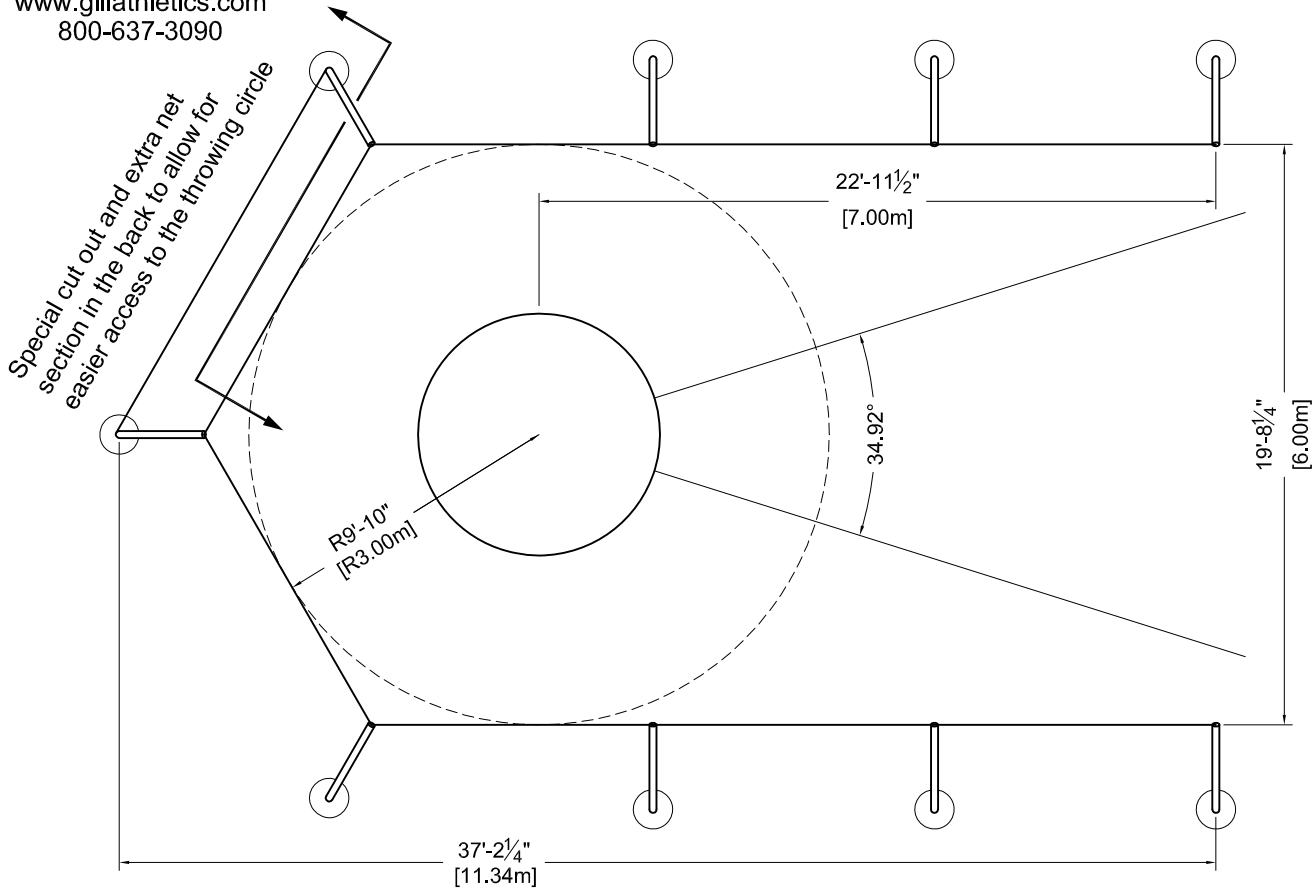




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# 732140 - IAAF STADIUM DISCUS CAGE SPECIFICATIONS



The 732140, IAAF Stadium Discus Cage, consists of nine, 5.3 meter tall, rolled aluminum net poles with ground sleeves and a weather treated nylon net. The poles are 2 7/8" OD, 0.203 wall, 6063-T6 aluminum tube. Each pole stands in a 90 cm deep ground sleeve. Galvanized steel tubes support the net between the first two poles on each side. Four hinged net arms, at ground level, hold the net in place at the front of the cage. 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. This layout meets IAAF requirements for the new smaller 34.92 degree landing sector in a stadium with spectators all the way around and other events taking place.



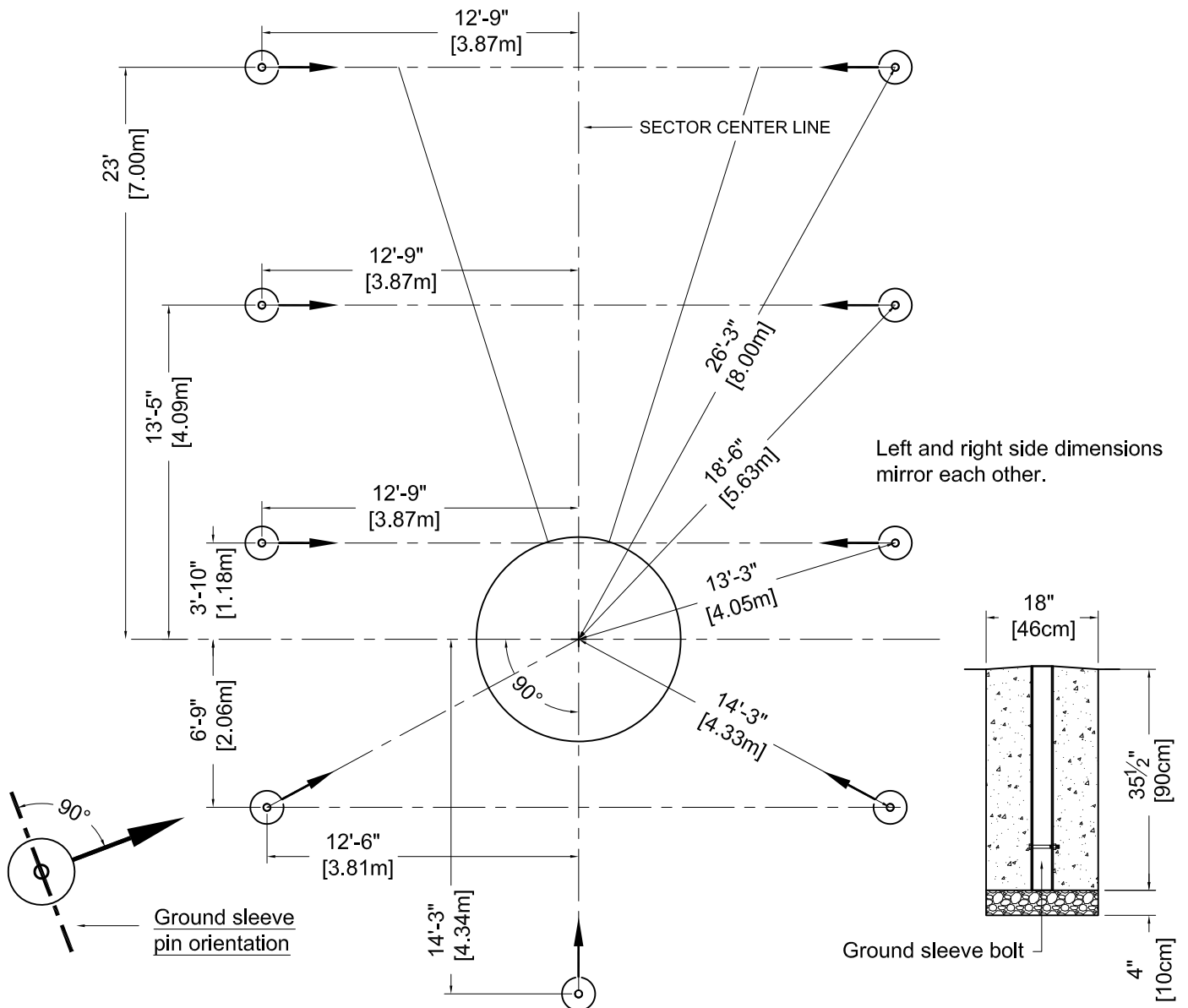
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## 732140 - IAAF DISCUS CAGE GROUND SLEEVE INSTALLATION

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 nine 40" [90cm] deep holes at marked locations. The minimum recommended diameter of these holes is 18" [46cm]. Soil conditions at your sight may require larger diameter concrete bases for each pole.
3. Place approximately 4" [10cm] 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" [1cm] 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.

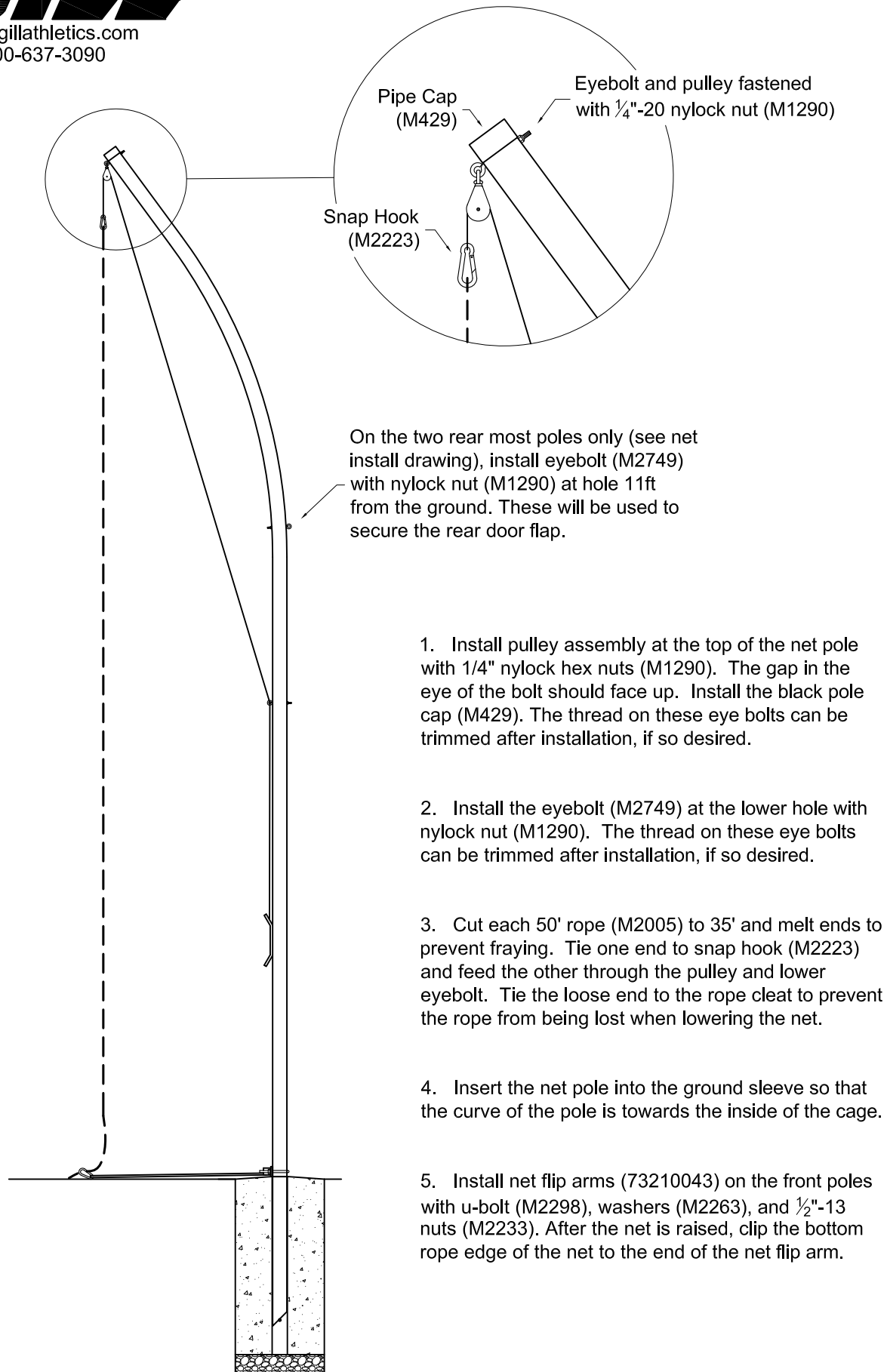
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GILL ATH  
07/15/09  
732140\_layout



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## 73213020 - CAGE NET POLES NET POLE ASSEMBLY





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## 732140 - IAAF DISCUS CAGE NET INSTALLATION

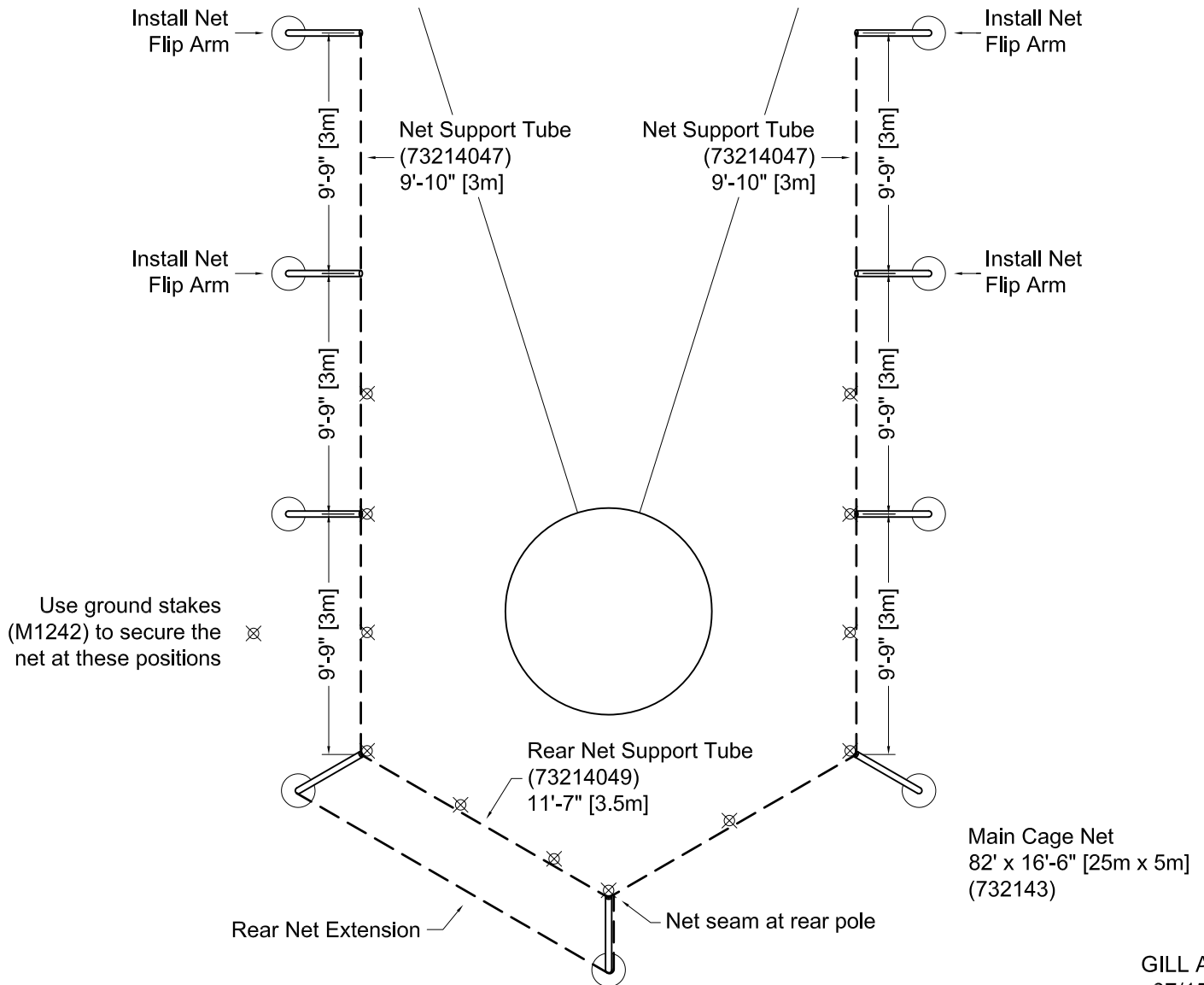
1. To minimize sag between the first two poles, the net is supported by a galvanized steel support tube on each side. To install the tube, attach a short 1/4" eyebolt (M27711) with a nylock hex nut (M1290) at one end of each tube. At the top corner of the net, weave the tube in and out through every 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 82' [25m] 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.

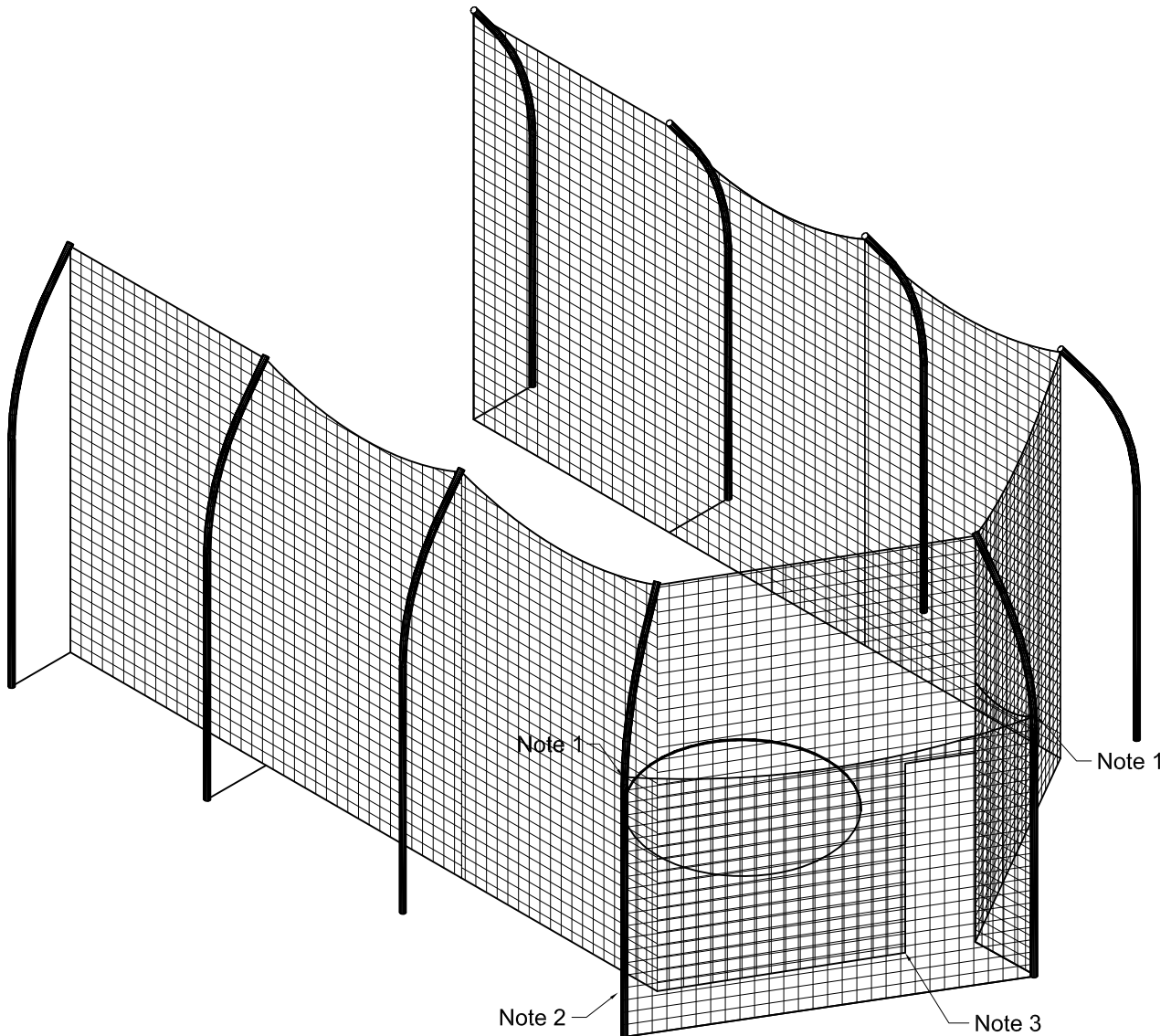
6. Raise the net to the top of the poles and tie off the ropes. At the base of the front poles, hook the bottom corner of the net to the flip arm. A sand bag or other weight can be placed on the arm to increase the arms resistance. If you desire, additional net flip arms can be purchased. At the rear poles, use the net stakes to hold the bottom of the net in place on the ground. The bottom 6" of the net is supposed to lay on the ground to help trap a discus.





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## 732140 - IAAF 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. Secure the bottom corner of the net next to the entry way with a ground stake (M1242) to keep the net from moving in the wind.

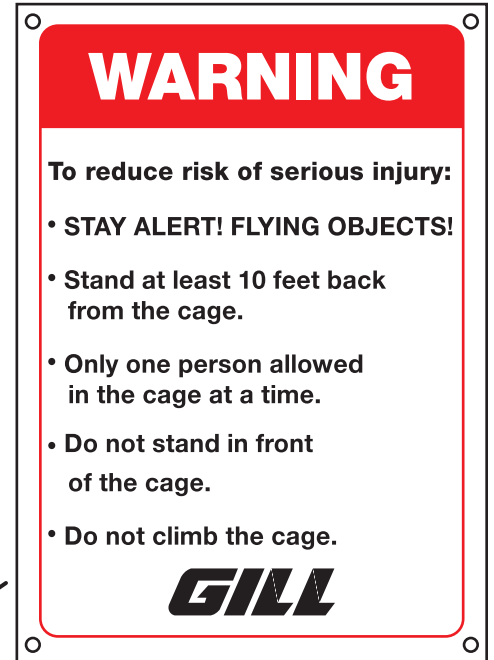


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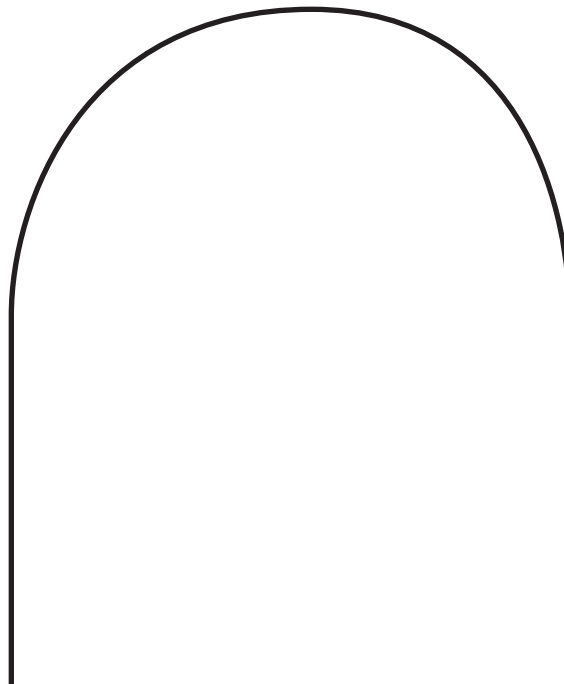
## THROWING CAGE INSTALLATION OF WARNING SIGNS

**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.

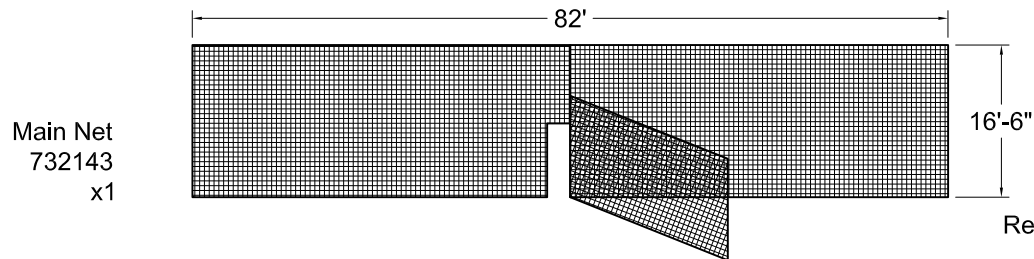


**Left Front Side:** Attach sign to the outside of the net at eye level near the front left side of the cage.



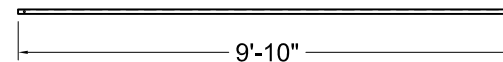
**Right Front Side:** Attach sign to the outside of the net at eye level near the front right side of the cage.



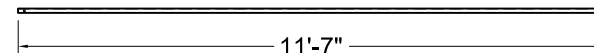


Main Net  
732143  
x1

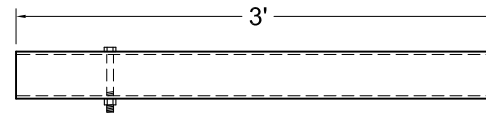
Net Support Tube  
73214047  
x2



Rear Net Support Tube  
73214049  
x1



Ground Sleeve  
732130A25  
x9



Net Pole  
732130A20  
x9

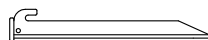


**Cage Components Box - 73214040**

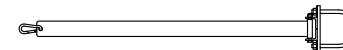
Warning Sign  
M2322  
x3  
Snap Ring  
M1250  
x12



Ground Stakes  
M1242  
x12



Net Arm  
73210043  
x4




1/4" Polyester Rope  
M2005  
x450ft

Pipe Caps  
M429  
x9



HARDWARE BAG x 1:		
QTY.	M#	DESCRIPTION
26	M1290	1/4"-20 Nylock Hex Nut
9	M2729	*Pulley for 1/4" Rope
20	M2749	*1/4"-20 x 4" Eyebolt
11	M2223	3/8" Snap Hook
6	M27711	1/4"-20 x 1 1/2" Eyebolt

\* The pulleys must be assembled onto four of the eyebolts.

IAAF DISCUS CAGE, SHIP LIST		 CHAMPAIGN, IL USA 800-637-3090
SCALE: (none)	PART #: 732140	
DATE: 07-02-09	DWG #: 732140_ship	
DRAWN BY: CEB	SHEET: (1 of 1)	
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