**Gill Athletics, Inc.**

**9020 - BRUTUS HIGH SCHOOL ALUMINUM DISCUS CAGE, 7 POLE**

**SECTION 11 68 33.43**

**BRUTUS HIGH SCHOOL DISCUS CAGE**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

A. Discus Cage

**1.02 RELATED SECTIONS**

A. Section 31 23 00 Excavation and Fill.

B. Section 03 30 00 Cast-in-Place Concrete.

C. Section 32 18 23 Athletic Surfacing.

D. Section 32 12 16 Asphalt Paving.

**1.03 REFERENCES**

1. NFHS – National Federation of State High School Associations (NFHS)
2. NCAA – National Collegiate Athletic Association (NCAA)
3. IAAF – International Association of Athletics Federations (IAAF)
4. FIFA – International Federation of Association Football
5. FIBA – International Basketball Federation

**1.04 DESIGN REQUIREMENTS**

1. Discus Cage: Locate positions of Discus Cage on the site plan.
2. Verify that site conditions are adequate to support loads imposed by Discus Cage.

**1.05 SUBMITTALS**

1. Comply with Section 01 33 00 – Submittal Procedures.
2. Product Data: Submit manufacturer's product data, including materials, components, fabrication, finish, and installation instructions.
3. Operation and Maintenance Manual: Submit manufacturer's operation and maintenance manual; including operation, maintenance, adjustment, and cleaning instructions; trouble shooting guide; parts list.

**1.06 QUALITY ASSURANCE**

A. Single Source Responsibility: Provide Discus Cage from single manufacturer.

B. Manufacturer's Qualifications: Minimum of 5 consecutive years of experience manufacturing Discus Cage similar to that specified.

C. Installer's Qualifications: Contractor experienced with track & field installation, concrete work, asphalt paving, and track surfacing.

D. Regulatory Requirements: Discus Cage shall conform to latest rules and regulations.

1. National Federation of State High School Associations (NFHS).

2. National Collegiate Athletic Association (NCAA)

3. International Association of Athletics Federations (IAAF)

4. International Federation of Association Football (FIFA)

5. International Basketball Federation (FIBA)

**1.07 DELIVERY, STORAGE, AND HANDLING**

A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions. Keep temporary protective coverings in place.

C. Handling: Protect materials and finish from damage during handling and installation.

**1.08 WARRANTY**

A. Provide 5-year warranty against defects in materials and workmanship, unless otherwise specified.

**PART 2 PRODUCTS**

**2.01 MANUFACTURER**

A. Manufactured and Supplied by:

 Gill Athletics, Inc.

 601 Mercury Drive

 Champaign, Illinois 61822

 Toll Free (800) 637-3090

 Phone (217) 367-8438

 Fax (217) 367-8440

 Web Site [www.gillathletics.com](http://www.gillathletics.com)

 E-Mail sales@gillathletics.com

**2.02 9020 - BRUTUS HIGH SCHOOL ALUMINUM DISCUS CAGE, 7 POLE**

1. COMPONENTS:
2. Ground Sleeves
	1. Consists of seven (7) ground sleeves
	2. constructed of 4.5”OD x 7ga steel tube
	3. 36” long
3. Net Poles
	1. Consists of seven (7) net poles
	2. constructed of 4” OD aluminum pipe
	3. Net poles will be off-set and stand at least 14’ tall when installed in the ground sleeves
	4. Net poles will have rope tie-off cleats
	5. The top of the net poles will be capped
	6. Net poles will have holes for installing hardware to hang the net from
4. Hoisting Rope
	1. Rope used to hang the net from the net poles will be 1/4” braided polyester
	2. 25’ long
5. Net
	1. Constructed of 100% white nylon 6 yarn solution dyed black
	2. 1 7/8”sq mesh (3 ¾” stretch mesh), raschel knotless netting
	3. UV stabilized and heat-set
	4. 180lb break strength
	5. Rope bound
	6. 14’ x 68’-6”
6. Net Support Cable
	1. Constructed of 1/8”-3/16”
	2. PVC coated, galvanized steel cable
	3. The top of the net will be supported by the net support cable along the entire length of the net
7. Flip Arms
	1. Consists of two (2) flip arms constructed of 3/8” x 2” steel
	2. 32” long
	3. Flip arms will be attached to the two front net poles at ground level and to the front bottom corners of the net to keep the net secured
8. Powder Coat Finish
	1. light blue, royal blue, red, white, orange, yellow, silver, gold, gray, marron, purple, black, navy blue, Kelly green and dark green

1. Ground Stakes
	1. Constructed of plastic
	2. 9” long
	3. Ground stakes will be used to secure the net to the ground at the rear poles and between each pole
2. Hardware
	1. All hardware is to be zinc plated
3. Warning Signs
	1. Consists of three (3) warning signs constructed of polyethylene board 10” x 14”
	2. The warning signs will be fastened to the outside of the net, at eye level, facing outward, at the front sides of the discus cage and at the rear of the discus cage

**2.03 90202 - BARRIER NETFOR HIGH SCHOOL DISCUS CAGE**

* 1. Net
		1. Constructed of 100% white nylon 6 yarn solution dyed black
		2. 1 7/8”sq mesh (3 ¾” stretch mesh), raschel knotless netting
		3. UV stabilized and heat-set
		4. 180lb break strength
		5. rope bound
		6. 8’ x 78’-10”

**PART 3 EXECUTION**

**3.01 EXAMINATION**

A. Examine areas to receive Discus Cage. Notify Architect in writing of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

**3.02 INSTALLATION**

A. Install Discus Cage in accordance with manufacturer's instructions at locations indicated on the Drawings.

B. Install equipment plumb, level, straight, square, accurately aligned, correctly located, to proper elevation, and secure.

C. Install equipment using manufacturer's supplied hardware and fasteners.

D. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

1. Remove and replace damaged components that cannot be successfully repaired, as determined by Architect.

**3.03 ADJUSTING**

1. Adjust Discus Cage to plumb and level as appropriate.

 **END OF SECTION**