**Gill Athletics, Inc.**

**740140 – STEEPLECHASE BARRIERS**

**SECTION 11 68 33.43**

**STEEPLECHASE BARRIERS**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

A. **STEEPLECHASE BARRIERS**

**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. Steeplechase Barrier: Locate positions of Steeplechase Barrier on the site plan.
2. Verify that site conditions are adequate to support loads imposed by Steeplechase Barrier.

**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 Steeplechase Barrier from single manufacturer.

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

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

D. Regulatory Requirements: Steeplechase Barrier 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 740140 – STEEPLECHASE BARRIERS**

1. COMPONENTS:
2. 5m Beam
	1. Consists of one (1) Beam
	2. Constructed of 4” SQ aluminum extrusion
	3. Sides and top is covered in ½” track surface
	4. Finished beam dimensions are 5”x5”x16’
3. 4m Beam
	1. Consists of three (3) Beam
	2. Constructed of 4” SQ aluminum extrusion
	3. Sides and top is covered in ½” track surface
	4. Finished beam dimensions are 5”x5”x12’
4. Upper Leg Assembly
	1. Consists of eight (8) Upper Leg Assemblies
	2. Constructed of a 3 ½” SCH40 steel pipe and a triangular steel gusset welded to a rectangular steel bolting plate
	3. Powder coated gloss black
	4. Inside of steel tube is lined with PVC Tube Bushing
5. Lower Leg Assembly
	1. Consists of eight (8) Lower Leg Assemblies
	2. Constructed of 2 ½” SCH40 steel pipe with a series of holes and slots welded to a rectangular steel tube
	3. Steel spring plate welded inside the pipe above the slots
	4. Powder coated gloss black
6. Hardware
	1. Consists of two (2) springs
	2. Consists of four (4) Clamping Knobs
	3. Clamping plates and zinc plated hardware to bolt upper legs to beam
	4. Two (2) Quick release pins
	5. Various additional zinc coated hardware

**2.03 74014050 – WHEEL INSERT KIT FOR STEEPLECHASE BARRIER**

1. COMPONENTS:
2. Wheel Insert
	1. Consists of four (4) wheel inserts
	2. Constructed of a laser cut, bent steel sheet with caster bolting holes
	3. Painted gloss black
3. Swivel Caster
	1. Consists of four (4) swivel casters
	2. 2 ½” hard rubber wheel
4. Hardware
	1. Zinc coated bolts, washers and nuts

**PART 3 EXECUTION**

**3.01 EXAMINATION**

A. Examine areas to receive Steeplechase Barrier. 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 Steeplechase Barrier 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 Steeplechase Barrier to plumb and level as appropriate.

 **END OF SECTION**