

# **Gill Athletics, Inc.**

## **740150 – STEEPLECHASE BARRIERS WITH DROP DOWN WHEELS**

### **SECTION 11 68 33.43**

#### **STEEPLECHASE BARRIERS WITH DROP DOWN WHEELS**

##### **PART 1 GENERAL**

###### **1.01 SECTION INCLUDES**

- A. **STEEPLECHASE BARRIERS WITH DROP DOWN WHEELS**

###### **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**

- A. NFHS – National Federation of State High School Associations (NFHS)
- B. NCAA – National Collegiate Athletic Association (NCAA)
- C. IAAF – International Association of Athletics Federations (IAAF)
- D. FIFA – International Federation of Association Football
- E. FIBA – International Basketball Federation

###### **1.04 DESIGN REQUIREMENTS**

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

###### **1.05 SUBMITTALS**

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including materials, components, fabrication, finish, and installation instructions.
- C. 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](mailto:sales@gillathletics.com)

## **2.02 740150 – STEEPLECHASE BARRIER WITH DROP DOWN WHEELS**

### **A. COMPONENTS:**

1. 5m Beam
  - a. Consists of one (1) Beam
  - b. Constructed of 4" SQ aluminum extrusion
  - c. Sides and top is covered in ½" track surface
  - d. Finished beam dimensions are 5"x5"x16'
2. 4m Beam
  - a. Consists of three (3) Beam
  - b. Constructed of 4" SQ aluminum extrusion
  - c. Sides and top is covered in ½" track surface
  - d. Finished beam dimensions are 5"x5"x12'
3. Upper Leg Assembly
  - a. Consists of eight (8) Upper Leg Assemblies
  - b. Constructed of a 3 ½" SCH40 steel pipe and a triangular steel gusset welded to a rectangular steel bolting plate
  - c. Powder coated gloss black
  - d. Inside of steel tube is lined with PVC Tube Bushing
4. Lower Leg Assembly
  - a. Consists of eight (8) Lower Leg Assemblies
  - b. Constructed of 2 ½" SCH40 steel pipe with a series of holes and slots welded to a laser cut square steel tube
  - c. Steel spring plate welded inside the pipe above the slots
  - d. Foot pedal activated wheels assembled into lower leg painted weldment
  - e. Powder coated gloss black
5. Hardware
  - a. Consists of two (2) springs
  - b. Consists of four (4) Clamping Knobs
  - c. Clamping plates and zinc plated hardware to bolt upper legs to beam
  - d. Two (2) Quick release pins
  - e. Various additional zinc coated hardware

## **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.
- D. Remove and replace damaged components that cannot be successfully repaired, as determined by Architect.

### **3.03 ADJUSTING**

- A. Adjust Steeplechase Barrier to plumb and level as appropriate.

**END OF SECTION**