

## ITEM 11615.01 M - PERMANENT SOCCER GOALS SET (NYC DPR)

### DESCRIPTION:

This work shall consist of furnishing and installing a Permanent Soccer Set at locations indicated on the contract plans. Each set shall consist of two (2) goals.

### MATERIALS:

#### **A. Soccer Goals:**

- 2.440 m by 7.315 m regulation size goals
- Model P824A  
Manufactured by Keeper Goals  
Wauwatosa, WI  
or equal as approved by the Engineer.
- Goals tube shall be 100 mm by 50 mm, 11 gauge tubular steel with American backstay.
- A special cable for net attachment with an extra loop for chain attachment shall be provided at ground level (both posts).
- Backstays shall be long enough to extend a minimum of 610 mm below grade.
- Polyester powder-coated, finish color shall be WHITE.
- Soccer net is not required.

#### **B. Chain:**

Steel chain of 24.400 m minimum in length shall be provided to secure the nets, consisting of two (2) 12.200 m minimum lengths. The steel chain shall meet the following requirements:

- “steel security chain”
- 8 mm galvanized
- case hardened
- welded chain
- Manufactured by McMaster-Carr  
Dayton, New Jersey  
or equal as approved by the Engineer

#### **C. Padlocks:**

Four (4) padlocks shall be provided per set of goals for attachment of chain. The padlocks shall meet the following requirements:

- Maximum security
- All padlocks shall be keyed alike
- With 50 mm width by 19 mm thick brass body
- With five (5) pin tumblers

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- Hardened alloy steel chrome plated shackle no less than 10 mm diameter and 50 mm clearance (elongated shackle).
- American No. 5571  
Manufactured by American Lock Co.  
Crete, Illinois  
or equal as approved by the Engineer

### **D. Footings:**

Concrete for the footings shall meet the requirements of §501.

Concrete footing for soccer goal main posts:

- 410 mm diameter by 1.070 m deep
- Provide four (4) No. 13 vertical rebars and No.10 circular ties spaced at 150 mm apart.
- The goal main post shall be embedded a minimum of 760 mm into the concrete footing
- The top of footing shall be 150 mm below finished grade.

Concrete footing for soccer goal backstay:

- 205 mm diameter by 760 mm deep, unreinforced
- The goal backstay shall be embedded a minimum of 610 mm into the concrete footing
- The top of footing shall be 150 mm below finished grade.

### **E. Reinforcement:**

All bar reinforcement for the footings shall meet the requirements of §556.

## **CONSTRUCTION DETAILS:**

### **A. Footing:**

The main posts and backstays shall be set truly vertical in footings of the sizes as indicated above.

### **B. Chain:**

Each end of chain shall be attached to loop on post using pad lock. Chain shall be allowed to lie loosely on turf (net attachment not included).

### **Substitutions:**

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A written request with a detailed shop drawing must be submitted to the Engineer for approval of substitution of manufactured products. The written request and the shop drawing must be submitted a minimum of two (2) weeks prior to the intended date of the soccer goals set construction. All substitutes must be approved by the Engineer in writing prior to ordering.

### **Submittals:**

The contractor shall submit shop drawings (when proposing a substituted item) or catalogue cuts (when specified item) showing all components and assembly details. Also submit maintenance data and manufacturer's warranty. Key to padlocks shall be turned over to maintenance personnel or Sport Supervisor, as directed by the Engineer.

### **METHOD OF MEASUREMENT:**

This work will be measured as the number of Permanent Soccer Goal Sets furnished and installed in accordance with the plans, specifications, and as directed by the Engineer. Each set shall consist of two (2) goals.

### **BASIS OF PAYMENT:**

The unit price bid for Permanent Soccer Goal Set shall include the cost of all labor, materials, equipments, supplies, and incidental expenses necessary to complete the work.

DISAPPROVED  
BY EI 12-001