

SECTION 11 6833
ATHLETIC FIELD NETTING SYSTEM

PART 1 GENERAL

1.01 WORK INCLUDED

- A. Provide equipment and materials, and perform work necessary to furnish and install the Netting System as indicated on the Drawings and as specified herein.
 - 1. Golf Netting System
 - a. Work includes the design, engineering, and installation of all system components required for system to function properly including but not limited to netting, attachments, poles, and foundations.

1.02 RELATED SECTIONS

- A. 00 3100 Available Project Information
 - 1. Geotechnical Report
 - 2. Ball Trajectory/ Netting Plan Study by Tanner Consulting Group, dated 11/13/2024
- B. 03 3000 Cast-in-Place Concrete
- C. 31 2001 Structural Earth Moving

1.03 REFERENCES

- A. Comply with applicable requirements of the following standards. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
 - 1. International Association of Athletics Federations (IAAF)
 - 2. American Sports Builders Association (ASBA)
 - 3. Manufacturers Data and Recommended Installation Requirements

1.04 SUBMITTALS

- A. Manufacturer's Product Data
 - 1. Provide manufacturer's product data for review prior to actual field installation work.
- B. Color samples of manufacturer's full color range of finishes for review and approval.
- C. Shop Drawings
 - 1. Provide drawings of the manufacturer's installation and foundation requirements for review prior to field installation work.
 - 2. Drawings shall be stamped and sealed by a Licensed Professional Engineer of Record in the State of Project Location.

1.05 QUALITY ASSURANCE

- A. Manufacturer's warranties shall be submitted and certification made that the product materials meet applicable grade trademarks and conform to industry standards and inspection requirements. The Manufacturer shall have a current American Sports Builders Association (ASBA) Supplier Certificate of Distinction designation.
- B. Installer to be a licensed contractor for specified work
- C. Installer to have a minimum of three (3) projects of similar size and scope

1.06 PRODUCT DELIVERY AND STORAGE

- A. Materials delivered to the site shall be examined for damage or defects in shipping. Any defects shall be noted and reported to the Architect. Replacements shall be immediately re-ordered, so as to minimize any conflict with the construction schedule. Sound materials shall be stored above ground under protective cover or indoors so as to provide proper protection.

PART 2 PRODUCTS

2.01 NETTING SYSTEM

- A. By LFS Sports & Industrial Netting or Approved equal

B. Components:

1. Netting
 - a. Netting Component
 - 1) #930, LFS Knotless polyester netting; 1" mesh size
 - 2) Long stitch knotless join
 - 3) U.V. treated yarn
 - 4) Resin dye and bonding treatment
 - 5) 116.7 lb. Average single mesh break strength
 - 6) Weight factor: 40.0 square feet = 1-lb.
 - b. Attachment Twine / Hanging Twine
 - 1) #48 Braided polyester twine
 - 2) 375 lb. Tensile strength
 - 3) Dye treated
 - c. Perimeter Border Ropes & Riblines
 - 1) Braided synthetic cover
 - 2) Parallel synthetic core
 - 3) 3,500 lb. Tensile strength
 - 4) 2,455 Wet abrasion cycles
 - d. Accessories
 - 1) RS3 Breakaway Carabiners
2. Cable
 - a. 6x19 Galvanized wire rope
 - 1) 3/8" diameter - horizontal and vertical cables

2.02 POLES

- A. Per engineering specifications for pipe diameter and wall thickness.
- B. Paint
 1. Properly prepare pipe prior to coating and painting
 2. Carboline Carbozinc or Approved equal

2.03 CHAIN LINK

- A. 24" tall chain link to be provided along bottom of structure for the entire length of the system
- B. 11 gauge, vinyl coated finish, fused and bonded – 8 gauge wire core chain link mesh.
 1. 1" mesh – knuckle-knuckle finish black
 2. 2-3/8" diameter, heavy duty line posts, SS40, vinyl coated, black
 3. 2-3/8" heavy duty brace bands and tension bands, vinyl coated, black
 4. Heavy duty carriage bolts, hot dip galvanized
 5. 11 gauge minimum, wire ties
- C. Connection between netting and chainlink to be per manufacturer's recommended method

2.04 ANCHORS

- A. Guy Wires and Helical Anchors to be provided at end poles and angle poles as needed.
 1. All guy wires to have attached netting to make them easy to identify. Isolated guy wires may be difficult to see and pose a potential safety hazard.
- B. Hubbell-Chance SS175 – Square Shaft
- C. 14/14/14 x 10' ground anchor – C1100505

PART 3 EXECUTION

3.01 INSTALLATION OF EQUIPMENT

- A. Netting Systems and Accessories shall be installed as required per manufacturer's written directions and as indicated on the engineered shop drawings.

END OF SECTION