

SECTION 11 68 33
ATHLETIC FIELD EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide all equipment and materials. Do all work necessary to furnish and install the Backstop Netting System, as indicated on the drawings and as specified herein.

1.2 RELATED WORK

- A. Examine Contract Documents for requirements that affect work of this section. Other specification sections that directly relate to work of this Section include, but are not limited to:

1. Section 02200 - Earthwork; Excavation and Backfill and establishment of subgrade elevations.
2. Section 02511 - Asphalt Concrete Pavement
3. Section 02535 - Synthetic Track Surfacing
4. Section 02542 - Synthetic Field Surfacing
5. Section 03300 - Cast-in-Place Concrete; Concrete foundations

1.3 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. Manufacturers Data and Recommended Installation Requirements.

1.4 SUBMITTALS

- A. Shop Drawings & Regulatory Requirements

1. Provide drawings of manufacturers recommended installation and foundation requirements prior to actual field installation work for Architect or Owner's Representative review and approval.
2. Backstop netting system shall meet the requirements of the jurisdictional code authorities. Furnish all calculations, engineer's stamps (per State registration), drawings, and other items required by code authorities to obtain approval of installation.

1.5 QUALITY ASSURANCE

- A. The contractor shall only accept bids from those vendors or manufacturers that have been pre-approved or identified as approved equal.

1.6 WARRANTY

- A. The netting manufacturer shall provide a warranty to the owner that covers defects in materials and workmanship of the netting for a period of 1 year from the date of substantial completion

1.7 DELIVERY, STORAGE AND HANDLING

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

PART 2 - PRODUCTS

2.1 BASIS OF DESIGN MANUFACTURERS

- A. Manufacturers and product selections named are provided to establish the minimum standard.

- 1. Outboard Tie-Back Lift & Tension Backstop Netting System (Model #BSTB-XP) – As manufactured by:

Beacon Athletics (Attn: Bidding Dept – National Sales)
901 Deming Way, Ste 101
Madison, WI 53717
Toll Free: (800) 747-5985
Fax: (608) 836-0724
Email: bids@beaconathletics.com
Website: www.beaconathletics.com

2.2 BACKSTOP NETTING SYSTEM EQUIPMENT

- A. Beacon Athletics Outboard Tie-Back Lift & Tension Backstop Netting System (Model #BSPB-XP) for athletic activities:

- 1. Description/Size:
 - a. Backstop Netting Layout = ' x ' x '
 - b. Overall System Height = ' above field grade
 - c. Each netting system to be raised, lowered, and tensioned by means of lifting halyards at each pole of the netting run
- 2. Poles: Round steel sections (ASTM A500B or C) with welded cap plate, straight poles, direct embedment into foundation (optional base plate mounted installation available), black painted finish, provide vertical cable attached to poles where netting has vertical edge or vertical seam, all connection points for netting system to be welded on the poles prior to painting.
- 3. Netting: Netting shall be a minimum #36 twisted knotted black mesh (340 lb. break strength)
- 4. Hardware: All attachment hardware to be hot dipped galvanized, stainless steel or painted to minimize rust.
- 5. Stamped Engineering analysis for support pole and foundation design to be provided by netting system manufacturer.

2.3 BACKSTOP WALL SYSTEM

- A. Beacon Modular Backstop Wall (Model #MW-3) - Model #145-100-510
 - 1. Quantity and configuration as required by net system layout / configuration, net system support pole spans and project specific requirements
 - 2. 2-7/8" OD Sch. 40 A53 galvanized steel fence posts
 - 3. Powder-coated mounting brackets for direct connection to backstop support poles
 - 4. 18 oz. UV treated vinyl spectator-side banners (various colors available)
 - 5. Digitally printed graphics for spectator side banner available but not included
 - 6. Integrated attachments for backstop system support cables
 - 7. Includes all mounting hardware
 - 8. 2" x 12" #2 prime or better ground-contact pressure-treated lumber planks

2.4 WOODLESS BACKSTOP PAD KITS

- A. Beacon Woodless Backstop Pads - Model #145-100-100
 - 1. Quantity and configuration as required by Beacon Backstop Wall dimensions
 - 2. 35" tall x 48" long standard pad dimensions (custom sizes available as required)
 - 3. 2" Thick High-Density Foam (custom thicknesses available as required)
 - 4. 18 oz. UV treated vinyl (various colors available)
 - 5. Digitally printed graphics for pads available but not included
 - 6. Includes all mounting hardware

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the areas and conditions where equipment and systems are to be installed and notify the contractor of conditions detrimental to the proper and timely installation and completion of the work.
- B. Do not proceed with the work until unsatisfactory conditions have been corrected by the contractor in a manner acceptable and to the satisfaction of the Architect/Engineer or Owner's Representative.

3.2 INSTALLATION

- A. All backstop netting equipment shall be installed as indicated on approved submittals as recommended and in strict accordance with the manufacturer's drawings.
- B. All concrete footings for the backstop netting system shall be installed as indicated on the drawings.
- C. All poles required for backstop netting system installation shall be set plumb and true to line and grade in concrete as indicated on the drawings and per manufacturer's recommendation.

END OF SECTION