

Conditions of Use/ Responsibility of Data

These “guideline” specifications are to be used by the A/E as a base document in the development of project/site-specific Division 2 – SITE WORK specifications for Montgomery County Public Schools Construction Projects. They may or may not be complete, correct and/or appropriate for use for any given project. It is the responsibility of the A/E to review these “guideline” specifications and to edit and/or supplement them as required to ensure that they represent the full, complete, correct and code-compliant specifications required for all construction of the project to which they apply. The use of these “guideline” specifications, and/or any information herein, in no way releases the A/E from their contractual responsibility to prepare and provide the full, complete and correct code-compliant contract documents, plans and/or specifications required for construction.

Review and editing of these “guideline” specifications shall be performed by appropriately licensed Maryland professional engineer. Specifications are to be prepared in Microsoft Word, edited using the “Track Changes” feature of that software and submitted to MCPS electronically on a compact Disk for review.

SECTION 02871 – SITE ATHLETIC EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General Conditions and Supplementary Conditions and Division 1 through Division 16 Specification Sections, apply to Work of this Section.

1.2 RELATED SECTIONS:

- A. Section 02520, “Hot-Mixed Asphalt Paving” and Section 02790, “Synthetic Running Track Surface”

1.3 DESCRIPTION OF WORK:

- A. Provide and install track and field event equipment and turf systems, located in areas indicated on Drawings.

1.4 QUALITY ASSURANCE:

- A. Install equipment in accordance with Manufacturer's instructions and specifications.

1.5 SUBMITTALS:

- A. Product Data: Submit Manufacturer's technical data for materials, including catalog information for major components, anchors, fasteners and other accessories along with information on finishes. Provide Manufacturer's standard installation procedures. Submit

running track surfacing manufacturer's product data, catalog cuts, application specifications, maintenance information and office samples.

- B. Shop Drawings: Submit shop drawings indicating layout of specified components, line and lane spacing, anchoring and fastening of individual components.
- C. Submit certificates, signed by Contractor, that equipment and track surfacing systems installers have a minimum of five (5) years experience installing athletic equipment and track surface treatments.

1.6 WARRANTIES:

- A. Provide Manufacturer's standard warranty on main support components to cover structural failure due to corrosion, deterioration or defects in workmanship.
- B. Provide track surface Manufacturer's standard warranty covering defects in materials and workmanship for a period of not less than 5 years.

1.7 PRODUCT DELIVERY AND STORAGE:

- A. Deliver materials and products to Project Site in unopened containers. Store and handle to prevent damage or contamination.
- B. Deliver and store athletic equipment in a manner to prevent damage during handling and storage. Damaged items will be replaced at no increase to Contract Sum.

PART 2 - PRODUCTS

2.1 TRACK AND FIELD EQUIPMENT:

- A. Pole Vault Box: Cast aluminum pole vault box, meeting IAFF, NCAA, USATF and NHSF rules and specifications, as manufactured by Aluminum Athletic Equipment, West Conshohocken, PA, 1-610-825-6565, or by UCS, Orangeburg, NY, 1-914-365-2333, or approved equal. Box shall be guaranteed against rust, warping or splitting, and shall be provided with a matching cover.
- B. Discus Throwing Ring: Aluminum throwing circle, 8-foot- 2½-inch diameter, preformed and designed for simple formation of concrete throwing pads that are recessed minimum ¾-inch, meeting all NCAA and IAAF rules. As manufactured by Aluminum Athletic Equipment, West Conshohocken, PA, 1-610-825-6565, or approved equal.
- C. Shot-Put Throwing Ring: Aluminum throwing circle, 7-foot diameter, preformed and designed for simple formation of concrete throwing pads that are recessed minimum ¾-inch, meeting NCAA and IAAF rules. As manufactured by Aluminum Athletic Equipment, West Conshohocken, PA, 1-610-825-6565, or approved equal.
- D. Shot-Put Toe Board: Cast aluminum Toe Board meeting all NCAA and IAAF rules, matching recessed or non-recessed throwing circle indicated or specified. Toe board

assemble shall be designed to be easily installed and removed for storage. As manufactured by Aluminum Athletic Equipment, West Conshohocken, PA, 1-610-825-6565, or approved equal. Color Selection by Architect.

- E. Long-Jump / Triple-Jump Take-Off Systems: Provide complete take-off system meeting IAAF, NHSF and NCAA requirements and rules, with foundation tray constructed of ¼-inch galvanized rust-resistant steel. Take-off board shall be designed to be a permanent part of outdoor installation. System shall be ITB-12 as manufactured by Aluminum Athletic Equipment, West Conshohocken, PA, 1-610-825-6565, or by UCS, Orangeburg, NY, 1-914-365-2333, or approved equal.
- F. Edging: Provide timber border around entire perimeter. Timber shall be pressure treated for ground contact (0.40 #2 or better); recycled and/or creosoted timber shall not be acceptable.
 - 1. All edges shall be ½ inch radius.
 - 2. All lumber shall be free from splinters.
- G. Fasteners: Provide self-locking nuts or other devices to prevent loosening of assemblies. Fasteners shall be galvanized, cadmium plated or otherwise treated to prevent rusting.

PART 3 - EXECUTION

3.1 INSPECTION:

- A. Installer and Owner's Representative shall examine area and conditions under which track and field equipment and surfacing will be installed. Do not proceed until all conditions which would be detrimental to installation are corrected.

3.2 PROTECTION AND RESTORATION:

- A. Protect improvements and facilities during installation of court surfacing systems to prevent overspray damage.
- B. Protect completed surface from damage. Prevent access to finished surface for time recommended by surfacing system manufacturer, plus 24 hours. Restore damaged surfaces as directed by Architect or Owner's Representative, at no increase to Contract Sum.

3.3 INSTALLATION:

- A. General: Install athletic equipment in accordance with Manufacturer's written installation instructions, recommendations, and as indicated. Contractor shall assure that support members have sufficient bury depth and footing size to provide adequate support and protection against movement.
- B. Foundations: Support holes shall be filled with concrete to full required depth. Top of concrete shall be 6 inches below finished grade. Primary supports shall be temporarily supported until concrete has sufficiently cured.

- C. Secure timber edging in place by spiking as specified herein. Rods shall not protrude beyond face of timber.
- D. Fasteners: In-place bolts shall be cut flush with nut, and peened and filed. Self-locking nuts or other devices must be provided to prevent nut and bolt assemblies from loosening or coming apart.
- E. Welds: Ensure that welds are protected with rust inhibiting paint.
- F. Metal Connectors: Secure with pins or spot welding to prevent loosening of connection.
- E. Long-Jump / Triple Jump:
 - 1. Take-off boards for runway shall be spaced in accordance with details on site plans.
 - 2. Track Contractor shall pour polyurethane surface material into take-off board trays and cut out to be used as a tray cover when jumping surface is not in use. Polyurethane cutout shall be made to be flush with runway.
- F. Pole Vault: Track Contractor shall pour polyurethane surface material into concrete mold for pole vault box, to be used as box filler. Shape filler so that box cover will fit.

3.6 CLEAN-UP:

- A. Remove debris, excess materials, tools and excess excavation spoils from project area and dispose of legally.
- B. Clean improvements and facilities damaged by surfacing system application as directed by Architect or Owner's Representative.

END OF SECTION