



**ADDENDUM NO.**            **02**

PROJECT:                            WCS – Hunt HS – Athletics Renovation

CPL PROJECT NO.                R22.16900.00

DATE:                                10.20.2023

---

This Addendum forms a part of the Contract Documents and modifies the original Construction Documents dated September 15, 2023, as noted below. Acknowledge receipt of this Addendum by writing its number and date on the Bid Form. Failure to do so may subject the bidder to disqualification.

This Addendum consists of 2 pages and 4 spec sections.

**CONTRACTOR BID QUESTIONS:**

**Question 1:** Is it your intention to paint the majority of the bolts to protect against future surface corrosion on bolts for the home and away bleachers. It looks like around 2/3's of bolts have some sort of surface rust on them.

**Answer:** Yes the intent is to remove surface rust and paint any bolts on the bleachers that have rusted in order to provide longevity to the life of the bleachers.

**Question 2:** It was mentioned that maybe only a hand full of bolts for these bleachers would need to be replaced and we should not expect more than 20 or so bolts to be replaced because they are not structurally sound total for all bleachers. Is this the case? Please confirm. If this is not the case please give a quantity to bid by. We cannot fully determine this scope of work at a pre-bid walk through.

**Answer:** The majority of the bolts are in a structurally sound condition and just need to be wirebrushed and painted for preventative care, assume approximately 5% of the bolts will need to be replaced.

**Question 3:** Sub for Sandblasting of the press box steel portion of the scope ask if there would be any Lead Testing done on the current paint.

**Answer:** No lead testing has been performed.

**Question 4:** Please address the Alternates and how we are supposed to add them to get the total bid (the two lighting alternates are the main issue because we would not add both of them probably just one. This was discussed in the pre-bid and it was stated that this would be addressed in the addenda. You may have already addressed this but due to lack of time I am asking or double checking to make sure that it is addressed.

**Answer:** As noted on page 4 of the bid form (page 24 of Addendum 01) Do not include Alternate 8 in the total bid amount.

**Question 5:** Can you please provide a spec and height for the new flag poles?

**Answer:** We have updated the alternate to only include 1 new flagpole in the D area to replace the 1 existing flagpole. The new flagpole will be a 40' aluminum flagpole with U.S. Flag. Please see attached new spec section 10 75 00 – Flagpoles as well as the revised spec section 01 23 00 – Alternates.

**Item 6:** The pressbox paint has faded and worn and needs to be repainted. We are adding a \$10,000 allowance for painting the pressbox and replacing the rotted fascia boards (to be painted as well). See revised spec section 01 21 00 – Allowances.



**TO THE PROJECT MANUAL:**

*00 41 00 – Bid Form - Revised spec section*  
*01 21 00 – Allowances - Revised spec section*  
*01 23 00 – Alternates – Revised spec section*  
*10 75 00 – Flagpoles -New spec section*

**TO THE DRAWINGS:**

None

**ADDITIONAL INFORMATION:**

None

END OF ADDENDUM NO. 02

SECTION 00 41 00

**BID FORM**

General Contract Work

ON: HUNT HS – ATHLETICS RENOVATION

FOR: WILSON COUNTY SCHOOLS

AT: WILSON, NORTH CAROLINA

DATE: \_\_\_\_\_

CONTRACTOR'S NAME \_\_\_\_\_

LICENSE NO. \_\_\_\_\_

The Undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into that this proposal is made without connection with any other person, company, or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The Bidder further declares that he has carefully examined the site of the work and informed himself fully in regard to all conditions pertaining to the place where the work is to be done, that he has examined the specifications for the work and contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; and he has satisfied himself as to the nature and location of the work, the general and local conditions, and all matters which may in any way affect the work or its performance, and that as a result of such examination and investigation, he fully understands the intent and purpose of the documents and conditions of bidding. Claims for additional compensation and/or extensions of time because of the Contractor's failure to follow the forgoing procedure and to familiarize himself with the Contract Documents and all conditions which might affect the work will not be allowed.

The Bidder proposes and agrees if this proposal is accepted to contract with **Wilson County Schools** in the form of contract specified, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation, and labor necessary to complete the work of the **Hunt HS – Athletics Renovation** in full and complete accordance with the Contract Documents, to the full and entire satisfaction of the Owner and/or Architect-Engineer, with a definite understanding that no money will be allowed for extra work except as set forth in the Contract Documents for the sum of:

**BASE BID**

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**ALTERNATES**

Should any of the alternates, as described in the contract documents be accepted, the amount written below shall be the amount to be "added to" the total bid. If the alternate is left blank, then the Alternate would not change if the base bid is accepted. The bidder agrees to construct the Alternate as described in the Contract documents for the following price. Acceptance of the alternate does not increase the contract time.

**Alternate No. 01: Replace Light Fixtures**

State the amount to be added to the Base Bid to replace all Light Fixtures on and in the Restroom & Concessions buildings.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 02: Replace Ceilings**

State the amount to be added to the Base Bid to replace ceilings in Men's Toilet, Women's Toilet, Training Room and Concessions Kitchen and Storage Room and Toilet Room with Moisture Resistant Gypboard Ceilings.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 03: Replace Training Room Casework**

State the amount to be added to the Base Bid to replace casework in Training Room.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 04 Plumbing Fixtures (Owner Preferred Alternates):**

**Alternate No. 04A (Owner Preferred Alternate):**

State the amount to be added to the Base Bid to provide plumbing fixture faucets by Delta.

(Add)(Deduct) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 04B (Owner Preferred Alternate):**

State the amount to be added to the Base Bid to provide plumbing fixture flush valves by Sloan.

(Add)(Deduct) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 04C (Owner Preferred Alternate):**

State the amount to be added to the Base Bid to provide plumbing fixture urinals by Mansfield.

(Add)(Deduct) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 04D (Owner Preferred Alternate):**

State the amount to be added to the Base Bid to provide plumbing fixture toilets by American Standard.

(Add)(Deduct) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 04E (Owner Preferred Alternate):**

State the amount to be added to the Base Bid to provide plumbing fixture lavatories by American Standard (cast iron).

(Add)(Deduct) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 05: Add Track Perimeter Fencing**

State the amount to be added to the Base Bid to provide new 4' high Black Vinyl chain-link fencing around Football Field and Track in lieu of re-using the existing chain-link fencing.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 06: Add Site Perimeter Fencing**

State the amount to be added to the Base Bid to provide new 6' high Black Vinyl chain-link fencing around Athletic Site in lieu of re-using the existing chain-link fencing.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 07: Replace Football Field Lighting**

State the amount to be added to the Base Bid to replace Football Field Lighting, to include removal of existing concrete light poles, design, engineering, and installation of new Lights and Poles, including all required wiring as a turn-key portion of the project.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 08 (Owner Preferred Alternate): Replace Football Field Lighting – Musco Lighting**

State the amount to be added to the Base Bid to use Owner preferred vendor, Musco Lighting to replace Football Field Lighting, to include removal of existing concrete light poles, design, engineering, and installation of new Lights and Poles, including all required wiring as a turn-key portion of the project.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 09: New Sports Goalposts**

State the amount to be added to the Base Bid to add two twin post Goalposts complying with High School Athletics in lieu of reusing existing.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 10: New Flagpole**

State the amount to be added to the Base Bid to add one new 40' flagpole at North end of Field in lieu of moving the 1 existing flagpole.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 11: EMS Concrete Pad**

State the amount to be added to the Base Bid to add new 16' x 30' heavy duty concrete pad on south end of track.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**Alternate No. 12: Concrete Sidewalk to Visitor Bleachers**

State the amount to be added to the Base Bid to add new concrete sidewalk around north end of track in lieu of gravel sidewalk.

(Add) \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**ALLOWANCES**

Include the following Cash Allowance in the Total Bid Amount

Allowance No. 1: Football Pressbox Painting Dollars (\$ 10,000 )

Include the following Owner's Contingency Allowance in the Total Bid Amount

General Contingency Allowance Dollars (\$ 30,000 )

**UNIT PRICES**

The following unit prices are submitted by the undersigned Bidder as a proposed basis for additive or deductive adjustment in the event contract changes in the Work are required involving items described. It is understood and agreed that unit prices are separately subject to acceptance by the Owner and that such prices are not part of the Contract except as accepted and entered in the Agreement. Unit prices shall include all fees, taxes, profit, overhead and similar items.

Unit prices are based on same standard of materials in contract documents.

<b>UP-01</b>	Black Vinyl Chain Link Fencing 4' in height, Installed	100	LF	@	\$____/LF	(\$_____)
<b>UP-02</b>	Black Vinyl Gate at Chain Link Fencing 4' in height, 4' wide, Installed	6	Unit	@	\$____/Unit	(\$_____)
<b>UP-03</b>	Black Vinyl Double Gate at Chain Link Fencing 4' in height, 12' wide, Installed	2	Unit	@	\$____/Unit	(\$_____)
<b>UP-04</b>	Black Vinyl Chain Link Fencing 6' in height, Installed	100	LF	@	\$____/LF	(\$_____)
<b>UP-05</b>	Black Vinyl Gate at Chain Link Fencing 6' in height, 4' wide, Installed	3	Unit	@	\$____/Unit	(\$_____)
<b>UP-06</b>	Black Vinyl Double Gate at Chain Link Fencing 6' in height, 12' wide, Installed	3	Unit	@	\$____/Unit	(\$_____)
<b>UP-07</b>	Earthwork, cut and fill onsite	50	CY	@	\$____/CY	(\$_____)
<b>UP-08</b>	Bermuda Sod	1,000	SF	@	\$____/SF	(\$_____)
<b>UP-09</b>	Final Seeding	1,000	SF	@	\$____/SF	(\$_____)
<b>UP-10</b>	Aggregate Base Course	5	TON	@	\$____/TN	(\$_____)
<b>UP-11</b>	Cast-in-place Concrete	100	SF	@	\$____/SF	(\$_____)

**TOTAL BID AMOUNT**

\_\_\_\_\_ Dollars (\$\_\_\_\_\_)

The total bid amount includes alternates and allowances, **does NOT** include unit prices. Do not include alternate 8 in total bid amount.

*The Owner shall have the right to accept Alternates, Allowances, Unit Prices, and Contingencies listed on the bid form in any order or combination, and to determine the lowest responsive bidder unless otherwise specifically provided in the Bidding Documents, and to determine the low Bidder on the basis of the sum of*

*the Base Bid, Alternates, Allowances, Unit Prices, and Contingencies accepted based on the Owner's budget at time of bid.*

The Bidder shall substantially complete the Project in **186 consecutive calendar days** from the Date of the Notice to Proceed. The **Substantial Completion** Date is **May 31, 2024**.

PRINCIPAL SUB-BIDDERS: The undersigned further states that this bid is based on quotations received from the following subcontractors for the categories of work listed; he further agrees that if he is the successful Bidder, he will contract with the listed subcontractors for the performance of this work:

Track Surfacing Contractor & Manufacturer

Name: \_\_\_\_\_

Concrete Contractor

Name: \_\_\_\_\_

Plumbing Contractor

Name: \_\_\_\_\_

Electrical Contractor

Name: \_\_\_\_\_

Civil / Sitework Contractor

Name: \_\_\_\_\_

The Undersigned further agrees that in case of failure on his part to execute the said Contract and to furnish the bond within ten (10) consecutive calendar days after written notice being given of the award of the Contract, the check, cash, or bid bond accompanying this bid shall be paid into the funds of the Owner's account set aside for this project, as liquidated damages for such failure; otherwise the check, cash, or bid bond accompanying this proposal shall be returned to the Undersigned.

The Bidder acknowledges receipt of all Addenda as listed below and has taken them into account in preparation of his proposal.

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_.

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_.

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_.

The following are included in this Bid:

- Bid Form
- Bid Bond
- Identification of HUB Certified / Minority Business Participation

- Affidavit A or B
- Copy of NC General Contractor License

Post-Bid Checklist

- Affidavit C or D (within 72 hours)
- 100% Performance Bond
- 100% Payment Bond
- Certificate of Insurance
- Subcontractor Contract/Payment Information with each Invoice
- Sales Tax Certification with each Invoice

\_\_\_\_\_  
(Name of Firm or Corporation making bid)

\_\_\_\_\_  
By:

\_\_\_\_\_  
Printed Name and Title: (Owner, Partner, or Corp. Pres. or Vice-Pres. Only).

WITNESS:

\_\_\_\_\_  
(Proprietorship or Partnership)

ATTEST:

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_  
(Corp. Sec. or Assist. Sec. Only)

(CORPORATE SEAL)



SECTION 01 21 00  
ALLOWANCES  
PART 1 GENERAL

**1.01 SECTION INCLUDES**

- A. Cash allowances.
- B. Contingency allowance.

**1.02 RELATED REQUIREMENTS**

- A. Section 01 20 00 - Price and Payment Procedures: Additional payment and modification procedures.

**1.03 COORDINATION**

- A. Contractor
  - 1. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.
  - 2. Include each allowance as separate line item in the Schedule of Values. Progress payments for allowance Work will not be requested by Contractor until Owner has provided written approval of the Contractor's proposal for the allowance Work.
  - 3. Assist Architect in selection of products, suppliers, and installers.
  - 4. Obtain proposals from suppliers and installers. Submit proposals to Architect and offer recommendations.
  - 5. Upon Architect's notification of Owner approval, execute purchase agreement with designated supplier and installer.
  - 6. Obtain and process shop drawings, product data, and samples.
  - 7. Provide for delivery and, upon delivery, promptly inspect products for completeness, damage, and defects. Submit claims for transportation damage to supplier and delivery service.
- B. CPL Architects:
  - 1. Consult with Contractor regarding consideration and selection of products, suppliers, and installers.
  - 2. Consult with Owner to acquire Owner decisions and transmit decisions to Contractor.
  - 3. Prepare approval notification indicating the appropriate allowance and the amount authorized to be used with attached approved proposals and work descriptions. Distribute for authorization by Contractor and Owner.

**1.04 UNUSED MATERIALS**

- A. After allowance work has been completed and accepted, return unused materials purchased to supplier for credit to Owner and document the credit back to the allowance line item on the next Application for Payment.
  - 1. If requested by Owner, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed by Owner.

**1.05 CASH ALLOWANCES**

- A. Cash Allowances For Purchase and Delivery Only:
  - 1. Included in allowance:
    - a. Purchase and delivery costs to Contractor or subcontractor for products, delivery to site, and required purchase taxes, less applicable trade discounts.
  - 2. Not included in allowance:
    - a. Handling of product at site, including unloading and uncrating.
    - b. Storage and protection of product from the elements and from damage.
    - c. Installation and Labor.
    - d. Overhead and Profit.
    - e. Bonding and Insurance.

- f. Payroll Taxes.
- g. Other Expenses.
- B. Cash Allowances For Purchase, Delivery, and Installation:
  - 1. Included in allowance:
    - a. All costs to Contractor for the allowance Work. Such costs include, when applicable to the Work requirements, services, design, products, delivery, handling and storage on site, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit, and incidentals.
- C. Owner written approval is required prior to allowance Work and use of allowance funds.
  - 1. Contactor is to submit a Proposal to the Architect including a lump sum cost for the Work.
    - a. Cost is to be based upon completing the Work within the Contract Time.
    - b. Include itemized explanation and documentation of proposed costs.
- D. Schedule of Cash Allowances in Part 3 of this Section.

**1.06 CONTINGENCY ALLOWANCES**

- A. Included in Contingency Allowances:
  - 1. All costs to Contractor for the allowance work. Such costs include, when applicable to the Work requirements, services, design, products, delivery, handling and storage on site, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit, and incidentals.
- B. Owner written approval is required prior to allowance Work and use of allowance funds.
  - 1. Contractor is to submit a proposal to the Architect including a lump sum cost for the work.
    - a. Cost is to be based upon completing the Work within the Contract Time.
    - b. Include itemized explanation and documentation of proposed costs.
  - 2. Funds will be drawn from the Contingency Allowance only by Change Order.
- C. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.
- D. Schedule of Contingency Allowances in Part 3 of this Section.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

**3.01 CASH ALLOWANCES SCHEDULE**

- A. Allowance No. 1: Football Stadium Pressbox Painting: Include the stipulated sum of \$10,000 to clean, prepare, and paint the football stadium pressbox, to also include the repair or replacement and painting of the rotted fascia boards.

**3.02 CONTINGENCY ALLOWANCES SCHEDULE**

- A. General Contingency Allowance - \$30,000 for use upon Owner's instructions.

END OF SECTION

SECTION 01 23 00  
ALTERNATES  
PART 1 GENERAL

**1.01 SECTION INCLUDES**

- A. Description of Alternates.
- B. Submission procedures.

**1.02 RELATED REQUIREMENTS**

- A. Document 00 41 00 - Bid Form: List of alternates on the Bid Form.
- B. Document 00 52 00 - Agreement Form: Incorporating monetary value of accepted Alternates.

**1.03 ACCEPTANCE OF ALTERNATES**

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

**1.04 SCHEDULE OF ALTERNATES**

- A. Alternate No. 01 - Replace Light Fixtures on/in Restroom & Concessions Buildings:
  - 1. Provide the cost to replace all Light Fixtures with new fixtures in place. See specifications for Light Fixture Schedule.
- B. Alternate No. 02 - Replace Ceilings:
  - 1. Provide the cost to replace ceilings in Men's Toilet, Women's Toilet, Training Room and Concessions Kitchen and Storage Room and Toilet Room with Moisture Resistant Gypboard Ceilings.
- C. Alternate No. 03 – Replace Training Room Casework:
  - 1. Provide the cost to replace casework in Training room with new casework as shown in interior elevations in lieu of re-using existing.
- D. Alternate No. 04 (Owner Preferred) - Plumbing Fixtures:
  - 1. Provide Plumbing Fixture Faucets: Delta Faucets, no substitutions.
  - 2. Provide Plumbing Fixture Flush Valves: Sloan Flush Valves, no substitutions.
  - 3. Provide Plumbing Fixture Urinals: Mansfield Urinals, no substitutions.
  - 4. Provide Plumbing Fixture Toilets: American Standard Toilets, no substitutions.
  - 5. Provide Plumbing Fixture Lavatories: American Standard Cast Iron, no substitutions.
- E. Alternate No. 05 - Add Track Perimeter Fencing:
  - 1. Provide new 4' h Black Vinyl chain-link fencing around Football Field and Track in lieu of re-using existing.
- F. Alternate No. 06 - Add Site Perimeter Fencing:
  - 1. Provide new 6' h Black Vinyl chain-link fencing around Athletic Site in lieu of re-using existing.
- G. Alternate No. 07 - Replace Football Field Lighting:
  - 1. Replace Football Field Lighting, to include removal of existing concrete light poles, design, engineering, and installation of new Lights and Poles, including all required wiring as a turn-key portion of the project.
- H. Alternate No. 08 (Owner Preferred) - Replace Football Field Lighting - Musco Lighting:
  - 1. Owner Preferred Vendor - Musco Lighting to replace Football Field Lighting, to include removal of existing concrete light poles, design, engineering, and installation of new Lights and Poles, including all required wiring as a turn-key portion of the project.
- I. Alternate No. 9 – New Sports Goal Posts:

1. Provide cost to replace existing twin post Goalposts with new Twin Post Goalposts complying with High School Athletics requirements.
- J. Alternate No. 10 – New Flagpole:
  1. Provide cost to provide one new 40' flagpole at North end of Field in lieu of moving the 1 existing flagpole.
- K. Alternate No. 11 – EMS Concrete parking pad:
  1. Provide new 16'-0" x 30'-0" heavy duty concrete pad on south end of track.
- L. Alternate No. 12 – Concrete sidewalk to Visitor Bleachers:
  1. Provide new concrete sidewalk around north end of track to visitor bleachers in lieu of gravel walkway.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

This page intentionally left blank

---

SECTION 10 75 00  
FLAGPOLES  
PART 1 GENERAL

**1.01 SECTION INCLUDES**

- A. Aluminum Flagpoles installed with in-ground foundation.

**1.02 RELATED REQUIREMENTS**

- A. Section 03 30 00 - Cast-in-Place Concrete: Concrete base and foundation construction.

**1.03 REFERENCE STANDARDS**

- A. AASHTO M 36 - Standard Specification for Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains 2016 (Reapproved 2020).
- B. ASTM B241/B241M - Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube 2022.
- C. NAAMM FP 1001 - Guide Specifications for Design Loads of Metal Flagpoles 2007.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on pole, accessories, and configurations.
- C. Shop Drawings: Indicate detailed dimensions, attachment details, anchor requirements, and imposed loads. Provide signed and stamped by NC licensed engineer for foundation details for in-ground installed flagpoles.
  - 1. Provide flag design and fabrication details.
  - 2. Provide engineer's certification indicating the design complies with performance requirements of authorities having jurisdiction and as indicated in this Section.

**1.05 QUALITY ASSURANCE**

- A. Designer Qualifications: Design flagpole foundation under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed the State in which the Project is located.

**1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Spiral wrap flagpole with protective covering and pack in protective shipping tubes or containers.
- B. Protect flagpole and accessories from damage or moisture.

**1.07 EXTRA MATERIALS**

- A. Section 01 77 00 - Closeout Procedures: Extra materials, spare parts, and maintenance products.
- B. Keys to lockable cleat box.
- C. Specialty adjustment tools, if required.

PART 2 PRODUCTS

**2.01 MANUFACTURERS**

- A. Flagpoles:
  - 1. Concord American Flagpole.
  - 2. Morgan-Francis Flagpoles.
  - 3. Pole-Tech Co, Inc.
  - 4. American Flagpole.
  - 5. Ewing.
  - 6. Substitutions: See Section 01 60 00 - Product Requirements.

## 2.02 FLAGPOLES

- A. Flagpoles: Designed in accordance with NAAMM FP 1001
  - 1. Material: Aluminum: ASTM D241/B241M, 6063 alloy T6 temper.
  - 2. Design: Cone tapered.
  - 3. Mounting: Ground mounted type.
  - 4. Nominal Height: 40 ft; measured from nominal ground elevation.
- B. Performance Requirements:
  - 1. Wind Pressure Loading on Flagpole with Flag: Resistant without permanent deformation to 125 miles/hr wind speed, in accordance with NAAMM FP 1001; the factor of safety used is 2.5.

## 2.03 ACCESSORIES

- A. Finial Ball: Aluminum, 4 inch diameter.
- B. Truck Assembly: Cast aluminum; revolving, stainless steel ball bearings, non-fouling.
- C. Flag Types: Flags listed are in priority requirement based on quantity of flagpoles required. Flag graphic design is to comply with the referenced entity's official design. Fabrication to be of nylon fabric with hemmed edges, brass grommets and shall be 6 ft by 10 ft in size.
- D. Cleats: 9 inch size, aluminum with stainless steel fastenings, two per halyard.
- E. Cleat Box: Aluminum, with built-in hinge and hasp assembly, attached to pole with tamper proof screws inside box.
- F. Halyard: 3/8 inch diameter nylon, braided, with stainless steel or bronze core..

## 2.04 MOUNTING COMPONENTS

- A. Foundation Tube Sleeve: AASHTO M 36, corrugated 16 gauge, 0.0598 inch steel, galvanized, depth as required for loads imposed on flagpole.
- B. Pole Base Attachment: Sleeve; aluminum base with base cover.
- C. Lightning Ground Cable: Copper No. 6 AWG, soft drawn.

## 2.05 FINISHING

- A. Metal Surfaces in Contact With Concrete: Asphaltic paint.
- B. Aluminum: Anodized to clear color.
- C. Finial: Spun finish.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify that area is ready to receive work and dimensions are as required.

### 3.02 PREPARATION

- A. Prepare materials to be installed and equipment to be used during installation.
- B. Coat metal sleeve surfaces below grade and surfaces in contact with dissimilar materials with asphaltic paint.

### 3.03 INSTALLATION

- A. Install flagpole and fittings in accordance with Delegated Design by Engineer and manufacturer's instructions.
- B. Provide isolation barrier between dissimilar materials.
- C. Electrically ground flagpole installation.

### 3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1 inch.

**3.05 ADJUSTING**

- A. Adjust operating devices so that halyard and flag function smoothly.

**3.06 SCHEDULES**

- A. Football Endzone D Area Pole: One 40 feet (12.2 m), with U.S. flag.

END OF SECTION



This page intentionally left blank