

**MIDDLETON ASSOCIATES INCORPORATED**  
ARCHITECTURAL SERVICES  
1702 W. COLLEGE AVE., SUITE E, NORMAL, IL 617671-2793  
309/452-1271 FAX 309/454-8049  
E-MAIL: russ@middletonassociates.net  
Website: www.middletonassociates.net

SPECIFICATIONS AND REQUIREMENTS

FOR

**PRAIRIE CENTRAL HIGH SCHOOL FOOTBALL SEATING  
AT PRAIRIE CENTRAL HIGH SCHOOL  
411 N. 7<sup>TH</sup> STREET  
FAIRBURY, IL 61739**

FOR

**PRAIRIE CENTRAL CUSD NO. 8  
605 N. 7<sup>TH</sup> STREET  
FAIRBURY, IL 61739**

PROJECT NUMBER: 2506 0319

ISSUE DATE: February 4, 2020

SITE VISITS: Contact the Administrative Office at the High School

**BID DATE: Tuesday, February 18, 2020 - 2:00 P.M.**  
Prairie Central CUSD No. 8  
Superintendent's Office  
605 N. 7<sup>TH</sup> Street  
Fairbury, IL 61739





DIVISION 00 – PROCUREMENT REQUIREMENTS  
Section 00 0110 - Table of Contents

PROJECT: Prairie Central High School Football Seating

FOR: Prairie Central CUSD No 8  
605 N. 7<sup>th</sup> Street  
Fairbury, IL 61739

SUPERINTENDENT OF SCHOOLS: Paula Crane

ARCHITECT/ENGINEER: Middleton Associates, Incorporated  
1702 W. College Ave., Suite E  
Normal, IL 61761-2793  
e-mail: middleton@middletonassociates.net  
website: middletonassociates.net

A/E PROJECT NO: 2506 0319

ISSUE DATE: February 4, 2020

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DRAWING INDEX

- 1 Bleacher Base Bid – Home Grandstand
- 2 Bleacher Alternate No. 1 – Visitor Bleachers

END 00 0110



DIVISION 00 – PROCUREMENT REQUIREMENTS  
Section 00 1116 – Invitation for Bids

Sealed proposals will be received by: Prairie Central CUSD #8 for the Prairie Central High School Office Football Seating project, 411 N. 7<sup>th</sup> Street, Fairbury, IL 61739.

Proposals must be submitted prior to **12:00 p.m., prevailing time, Tuesday, February 18, 2020.**

Deliver to: District Office Reception Desk - *located at north end of high school*  
Prairie Central CUSD #8  
605 N. 7th Street, Fairbury, IL 61739

Pre-Bid Meeting: none planned site can be visited at any time, check in at the school office.

Proposals shall be clearly identified as Bid for the football seating on the outside of the envelope. Proposal shall bear a live authorized signature. Proposals will be opened publicly following the due time listed. Proposals which are late or misdirected cannot be considered.

Terms of the proposal include Bid Security, Owner protective bonds, Prevailing Wage Act, Certified payroll reporting, the Illinois School Code requirements. No faxed proposals or modifications can be considered.

Proposals are to be offered as design Build proposals providing all necessary labor and materials to complete the work. Provide proposed plan for comparison to the nominal plan and specifications for consideration. Major variations will not be acceptable.

The Board of Education has the right to reject or accept any or all parts of all bids submitted and/or waive any or all irregularities in the bidding and to accept the lowest responsible bid that is in the best interest of Prairie Central CUSD # 8.

For full requirements, plans and specifications of the proposal, contact the Architect: Middleton Associates Incorporated, 1702 W. College Avenue, Suite E, Normal, Illinois 61761-2793. Phone 309/452 1271.

Up to one printed set can be provided without deposit. Documents may be reviewed or printed without deposit at the Architect web site [www.middletonassociates.net](http://www.middletonassociates.net) . Amendments to the bid requirements will be provided by email to bidders registered with the Architect and will be available on the web site.

END 00 1116



DIVISION 00 – PROCUREMENT REQUIREMENTS

Section 00 2113 – Instructions for Bidders

1. GENERAL

1.1 LOCATION OF THE PROJECT: The work is located at the Prairie Central High Football stadium area, 411 N. 7<sup>th</sup>, Fairbury, IL 61739

1.2 OBTAINING DRAWINGS & SPECIFICATIONS

A. Drawings and Specifications may be obtained from the Architect, Middleton Associates Incorporated, 1702 W. College Ave., Normal, IL 61761-2793 Telephone 309/452-1271.

B. No deposit required, one (1) sets. Additional sets of bid documents may be obtained for \$20 non-refundable payment per set. Contractor may copy documents for bidding purposes only.

1.3 INTERPRETATION OF DOCUMENTS (See AIA General Conditions Section 00050 and Supplementary General Conditions Section 00800).

A. Anyone having a doubt concerning the meaning of the Contract Documents, or any other questions, may submit a request for interpretation from the Architect/Engineer. All pre-bid interpretation shall be requested FIVE (5) DAYS prior to the bid due date. Response, other than minor clarification, will be in the form of Addenda and will be mailed to each Bidder.

B. It shall be the Architect/Engineer's responsibility to clarify conflicts in requirements as may be reported to the Architect/Engineer. After bid due date, the Architect/Engineer shall determine the course to be followed for said clarification with no cost change to the Owner.

C. All work in these documents shall be one and the same single General Contract including any and all trade subcontractors of the contractor's determination and designation with no cost increase to the Owner.

1.4 ERRORS AND OMISSIONS

A. Any known conflict between requirements of various portions of the Contract Documents shall be reported to the Architect/Engineer prior bid due date and shall fall under the authority of Interpretation of Documents.

B. The Drawings are descriptive and directive in concept and are not intended to exhaust all detail situations required to complete the work, however, the procedures detailed shall establish the general character of solutions needed for typical, nontypical, and peculiar situations at the job site.

C. It is the intent of the documents that specified work and equipment be installed in a proper and finished manner, fully operational. All necessary controls, accessories, brackets, fasteners, sealants, etc., to complete the installation shall be provided unless specifically specified otherwise. Each

Contractor and Subcontractor shall coordinate and cooperate with the other Contractors to provide proper installation. Verify dimensions, services, and scheduling of the work.

1.5 ALTERNATES. The Bidder shall submit a proposal for every alternate listed in the Contract Documents.

1.6 ADDENDA

A. Addenda may be issued before the bid opening date to clarify or modify the Contract Documents.

B. Said addenda shall become a part of the Contract documents and supersede any conflicting specifications or clarify intent of same.

1.7 BID SECURITY

A. The Bidder shall furnish, along with his proposal, a bid bond or certified check in the amount of five percent (5%) of the bid proposal including all additive alternates. The above instrument shall be made payable to the Owner and shall serve as a guarantee that the Contractor will enter into the Contract with the Owner as per his bid, should the job be awarded to him.

B. Should said Contractor refuse or fail to enter into a Contract with Owner per his bid for the work included in these Contract Documents within forty-five (45) days following bid due date, said bid guarantee shall become collectible, in full, by the Owner in payment for damages. See 00040/1.12 "RETURN OF BID SECURITY."

1.8 WITHDRAWAL OF BIDS. Bids may be withdrawn prior to the bid due date and time, after which time no bids may be withdrawn for a period of forty-five (45) days unless a Bidder has been released by the Owner's action.

1.9 PROPOSAL FORMS

A. Each bidder shall submit his proposal, in duplicate, on proposal form provided. All applicable blank spaces on forms shall be filled out fully; numbers shall be stated both in writing and in figures; signatures shall be live in longhand. Completed forms shall be without delineation, alteration or erasure.

B. Proposals shall not contain any recapitulation of the work and no oral proposals or modifications are invited for consideration. The Proposal & Contract Form automatically becomes the Contract upon the acceptance and signature of the Owner. See Paragraph 1.14 "COMMENCEMENT OF CONSTRUCTION."

1.10 SIGNING OF BIDS

A. All proposals shall be signed (live signatures, no copies of signatures accepted) by persons fully and duly authorized to sign bids.



- B. Any bid signed by a person other than as set forth above shall enclose with his bid proposal evidence of Power of Attorney.

#### 1.11 AWARD OF REJECTION OF BIDS

- A. Although it is the intention of the Owner to accept the lowest qualified bid the Owner specifically reserves the right to waive all formalities and/or informalities, to reject any and all bids and/or accept the bid that, in the Owner's judgement, will be in the Owner's best interest.
- B. Contractor will note all alternates that are applicable, or as may become applicable by addendum, must be bid.

#### 1.12 RETURN OF BID SECURITY

- A. After bids have been read along with alternates as applicable and a successful Bidder has been approved by Owner, a Letter of Intent will be sent to the successful bidder and bid security may be returned upon request to the unsuccessful bidders after Owner/Contractor agreements have been consummated.
- B. Following the signing of the Contracts and receipt of bonds, remaining bid security will be returned. If the successful Bidder fails to accept the Contract and submit acceptable bonds, same will be grounds for forfeiture of his bid security.

#### 1.13 OWNER'S PROTECTIVE BONDS: A 100% of value Labor and Material Payment Bond and a Performance Bond including all alternates accepted is required in the Contract and shall be included in the Contractor's Proposal.

- A. Periodic Change Orders which may occur to the Contract shall be included in each respective bond.
- B. Bonds shall cover the entire Contract without regard to the Contractor's assignment of work to Subcontractors or Suppliers.

#### 1.14 COMMENCEMENT OF CONSTRUCTION

- A. Contractor shall not commence work until the agreement has been executed by both Owner and Contractor and Insurance Certificate and Owner's Protective Bonds have been accepted by the Owner and the Architect. However, work shall commence promptly upon the Owner and Architect's acceptance of Insurance certification and applicable bonds. Commencement, progress and work completion shall be coordinated with the Owner's programmed use of the buildings.

##### **1. Start date - immediately.**

- B. Progress at job site shall be continuous once work has commenced.

#### 1.15 EXAMINATION OF SITE AND CONTRACT DOCUMENTS

- A. Bidder shall carefully examine bidding documents and inspect the sites to obtain first-hand knowledge of existing conditions.
- B. Each Bidder, by submitting his bid, represents that he has so examined the bidding documents and inspected the site and premises, that he understands the provisions of the bidding documents, and that he has familiarized himself with the local conditions under which the work is to be performed. Bidders will not be given extra payment or contract time for conditions which could have been determined by such examination.

#### 1.16 BIDDER QUALIFICATIONS

- A. Competency and responsibility of the Bidder, and of their proposed subcontractors, will be considered in making awards. Owner may require of the Bidder, prior to awarding the Contract, a detailed statement regarding the business, technical organization and plant facilities for the work that is contemplated. Information pertaining to the financial resources, experience of personnel and previously completed construction projects may also be required. The Owner may use this information in considering a proposal.
- B. The Owner may reject a bidder, if an updated financial statement prepared by a CPA not in the Contractor's payroll (bearing the CPA's live signature) shows the net worth of a Contractor to be less than 25% of the Contractor's bid including elected alternates for this work. Said statement, if required by the Owner, shall be furnished and paid for by the Bidder.

#### 1.17 LIST OF SUBCONTRACTORS

- A. Major Subcontractors and Suppliers shall be listed as noted on the Bid Form.
- B. Within seven (7) business days after notification of intent to award, the Contractor shall submit to the Architect/ Engineer, a list of the names of the subcontractors and suppliers and other persons or organization as outlined in Paragraph 5.2, of AIA General Conditions of the Contract for Construction, subject to the approval of the Owner.
- C. Failure of any Bidder to furnish required lists within seven (7) business days after receipt of notification will be sufficient cause to disqualify his bid and Owner shall have every right to claim damages due under 00040/1.12.B. "RETURN OF BID SECURITY."
- D. After the Contractor's list of subcontractors and material suppliers has been accepted, no further changes shall be made without specific written authority and approval of the Architect/Engineer.

## 1.18 SCHEDULING

- A. Work may commence immediately (in accordance with other contract requirements). See 1.14.
  - 1. Submit a master schedule for Owner and Architect/Engineer review.
  - 2. Revise the master schedule upon request and periodically when progress is not commensurate with the schedule.
  - 3. This master schedule shall become the basis for the Architect/Engineer and Owner for judging the Contractor's timeliness and progress toward completion.
- B. **Work shall be substantially complete (suitable for full service):**
  - 1. **Grandstand August 10, 2020**
  - 2. **All alternate work as accepted - August 10, 2020**
- C. The existing school may be occupied during construction and scheduling shall reasonably accommodate school activities and minimum exit requirements.

## 1.19 PROGRESS PAYMENTS

- A. All payments by the Board of Education require Board approval. Payment requests must be submitted twelve (12) business days prior to the scheduled monthly board meeting to be reviewed and placed on the Board agenda. Untimely submission of payment request will result in a one (1) month delay for consideration. The Contractor will be notified of the regular Board meeting schedule upon request.
- B. Payment will be made within ten (10) days following board approval, or notice of board concerns will be provided.
- C. In accordance with the terms of the Contract periodic partial progress payments may be made monthly to the Contractor for: 90% of the value of the labor, materials, and/or equipment incorporated in the construction. Payment will be for installed materials only.
- D. At the commencement of work the Contractor shall submit a complete master cost breakdown. Said cost breakdown shall be used by the Owner only for the purpose of checking and certifying requests for payment.
- E. Pay requests shall indicate amounts completed of all items listed from the master breakdown.
- F. Submit notarized Contractor's affidavits with each pay request showing that total owed on Contract by Owner (after subject request has been paid to Contractor) is more than the amount to become due the Contractor for material, subcontractors and labor.

1. 10% of each request will be retained by Owner until work has been satisfactorily completed.

G.

All the applications for payment shall be made in three (3) copies with all copies bearing live seals and signatures, notarized and complete and accurately filled in.

1. See AIA General Conditions, Paragraph 9.3.1, 9.3.2 and 9.3.3.
2. Applications for payment shall be submitted to Architect/Engineer on AIA G-702A Forms.
3. EACH SUCCESSIVE PAY REQUEST SHALL BE ACCOMPANIED BY PARTIAL WAIVERS OF LIEN, DOLLAR FOR DOLLAR MATCHING THE PRECEDING PAY REQUEST.

1.20 FINAL PAYMENT: The final application for payment shall not be made until all work and deficiency (punch list) items have been satisfactorily completed and approved by the Architect/Engineer for documents compliance.

#### 1.21 MATERIALS SPECIFIED AND QUALITY OF WORK

- A. Materials shall be as specified or approved equal.
- B. "Approved equal" and "or equal" shall mean that the Contractor shall be required to receive the Owner's approval (via the Architect) on any substitute materials seven (7) days prior to the bid due date.
- C. Requests for substitution approval shall be submitted to the Architect/Engineer.
  1. Prior to considering substitutions, the Owner (via the Architect/Engineer) may require submission of samples, descriptive, technical and catalog data and lab reports of tests.
  2. Said submittals shall be presented to Architect/ Engineer.

#### 1.22 EMPLOYEE-STUDENT RELATIONSHIPS

- A. Except in an emergency situation involving safety, there is to be no intermingling of the Contractors' employees and the school faculty, staff and students violating this requirement shall be removed from employment at this site. Contractor employees experiencing problems with students or faculty shall report same to their project superintendent, who shall promptly report the problem to an authorized representative of the Owner and the Architect/Engineer.
- B. Authorized agents of the Owner include the District Superintendent, the District Financial Services Director and the Architect/Engineer. The School Principal is authorized to discuss concerns regarding operations on site, but is not authorized to order changes in the work.
- C. Smoking shall not be permitted in the existing school.

- 1.23 PROJECT ACCESS: The Contractor shall be aware that the City of Mackinaw has authority over various approach roads for site access and the Contractor is responsible to observe load limits and arrange for any exceptions to load restrictions that may be required for this project. Arrangements for road cleanup, barricades and surface patches and repairs shall comply with city requirements.
- 1.24 EQUAL OPPORTUNITY EMPLOYMENT: The following clause is applicable unless this Contract is exempt under the rules and regulations of the Secretary of Labor of the State of Illinois.

"During the Performance of this Contract, the Contractor agrees as follows:

The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin. The Contractor will take affirmative action to ensure that all applicants are considered and that employees are treated, during employment, without regard to their race, color, religion, sex, age or national origin."

- 1.25 PREVAILING WAGE: The Contractor shall pay and shall require his subcontractors to pay the prevailing hourly wages for the type of work performed in the job locality as is determined by the Illinois Department of Labor pursuant to the Illinois Prevailing Wage Act - P.A. 86-799, included at the end of this section.

1.26 SALES TAX

- A. Materials supplied to a public school district are exempt from state sales taxes.
- B. The Contractor shall determine the extent of exemption and shall comply with the regulations established by the Illinois Department of Revenue and allow for this in his proposal.

1.27 BUILDING PERMITS

- A. This project is exempt from local permit fees associated with the construction.
1. This Contractor shall fully cooperate with the local authorities and shall apply for and obtain all required permits and comply with local regulations and requirements. Only the fee is exempt.
2. Provide necessary permit related information to local city authorities.
- 3.

2. CONTRACT CHECKLIST

2.1 Proposal:

- A. Proposal Form properly filled out and signed, (live signatures)
- B. Bid Bond/Bid Security for 5% of base bid amount (live signatures)
- C. Return of documents within ten (10) working days after bid due date

2.2 Letter of Intent:

- A. Proposal & Contract Form prepared by the Architect
- B. Labor and Material Payment Bond, two copies (15 days after Award)
- C. Performance Bond, two copies (15 days after Award)
- D. Insurance Certificates, liability and hold harmless, 2 copies (7 days after Award) \*
- E. Master Cost Breakdown (7 days after Award)
- F. Bar Graph Progress Schedule, copies as required (7 days after Award)
- G. Supplier List, 2 copies (7 days after Award)
- H. Subcontractors List, 2 copies (7 days after Award)

2.3 Periodic Application for Payment:

- A. Submit per the monthly scheduling, to be determined
- B. Application and Certificate for Payment, 3 copies (AIA G702A)
- C. Contractor's Affidavit, 2 copies (AIA G706)
- D. Breakdown Estimate, 3 copies
- E. Partial Waivers of Lien, 2 copies
- F. Partial Waiver of Lien from Subcontractors/Suppliers, 2 copies
- G. Updated Progress Schedule, resubmit with each pay request

2.4 Final Application for Payment:

- A. Letter to Architect that deficiency work is complete
- B. Final Lien Waiver from the Contractor, 2 copies
- C. Final Lien Waivers from Subcontractors/Suppliers, 2 copies
- D. Final Affidavit showing \$0.00 due to Subcontractors and \$0.00 due to Suppliers, 2 copies
- E. Final Payment Approval Letter from Bonding Co., 2 copies
- F. Certification of all guarantees, 2 copies
- G. Final Application & Certificate for Payment, 3 copies (AIA G702A)
- H. Additional certifications as may be requested, 2 copies
- I. Operating manuals & instructions, 3 copies-indexed and bound

\*THE OWNER AND THE ARCHITECT/ENGINEER MUST BE NAMED ADDED INSURED AND MUST BE SO LISTED ON THE CERTIFICATE OF INSURANCE.

END 00 2113

DIVISION 00 – PROCUREMENT REQUIREMENTS  
Section 00 2413 – Scope of Bid

1. BASE BID

1.1. DESCRIPTION

- A. The Base Bid is to provide the Owner with all materials equipment and labor to complete the specified contract work.
- B. All work is a single Contract, Design Build assembly including:
  - a. Provide proposed layout drawings and description with the proposal
  - b. Fully fill out the proposal/bid form, omissions and failure to sign will disqualify the bid. Minor irregularities in filling out the bid form may be considered by the Owner as inconsequential to the intended bid and may be declared as such and the bid be accepted.
  - c. Award will be based on cost and proposal compliance with the nominal requirements set forth.
- 2. Voluntary Alternates or Substitutions may be offered on the Voluntary alternate and substitution form if provided or on the Contractor's letterhead if desired. Such options should not materially change the intent of the proposal. These may be considered or disregarded at the Owner's discretion without explanation.

1.2. UNIT PRICES

- A. None unless requested by addendum

1.3. ALLOWANCES

- A. **Include an allowance of \$10,000** for extending power to the new press box. Excess to be refunded – assignment by agreed change order with the Owner.

1.4. ALTERNATE BIDS

- A. The alternates are to provide the Owner with options expanding or reducing the project scope and content and for comparative material or equipment prices for use in determining the final construction contract.
- B. Work included in alternates shall be commensurate with and in compliance with all the applicable and similar project specifications and conditions and shall include all necessary adjustments and additional labor and/or material as may become apparent to properly complete the alternate into the work. No additional charge will be considered after bidding for the purposes of making additional construction or adjustments in order to accomplish alternative work which has been included in the Contract.

- C. Incidental Work: All necessary adjustment in the work shall be made to accommodate accepted alternates without cost change in and above the alternate cost.
- D. Alternates are always an add or deduct to the Base Bid proposal and requirements UNLESS a specific alternate is described as an alternate to another alternate

1.5. ALTERNATE BIDS

- A. Alternate #1 – Visitor bleachers
- B. Alternate #2 – Sidewalk from new grandstand to the ticket booth
- C. Alternate #3 – Powder coat risers on Grand stand in selected school colors.

END 00 2413



DIVISION 00 - BIDDING & CONTRACT REQUIREMENTS  
Document 00 4000 - Bid and Award Form

DATE OF PROPOSAL: February 18, 2020

NAME OF FIRM \_\_\_\_\_

FOR GENERAL WORK

SUBMIT BID TO: Paula Crane, Superintendent  
Prairie Central CUSD No. 8  
605 N. 7<sup>th</sup>  
Fairbury, IL 61739

PROJECT TITLE: **PRAIRIE CENTRAL HIGH SCHOOL FOOTBALL SEATING**  
A/E PROJECT NO. 2506 0319

This proposal acknowledges the following addenda: (*Failure to acknowledge may be cause bid rejection*).

NO. \_\_\_\_\_ , DATED \_\_\_\_\_ NO. \_\_\_\_\_ , DATED \_\_\_\_\_

Each bid shall include:

- A. The bid forms properly completed
- B. 5% Bid security
- C. ***Include the \$10,000 Allowance to extend electrical service for the new press box. Note this is for extension of service not the wiring with in the press box.***
- D. **Complete the project for use by August 10, 2020**
- E. **All work single contract.**

**BASE BID-BLEACHERS:** The bidder agrees to perform all base bid work, inclusive of demolition, foundations and all trades for the new Grandstand and the press box.

\$ \_\_\_\_\_

ALTERNATE NO. 1: Visitors aluminum angle frame bleacher system including demolition of existing

Add \$ \_\_\_\_\_

ALTERNATE NO. 2: Extend 6' wide sidewalk to the ticket booth, estimated to be 335'

Add \$ \_\_\_\_\_

ALTERNATE NO. 3: Provide powder coated riser faces on the base bid Grandstand.

Add \$ \_\_\_\_\_

**THE BIDDER AGREES TO:**

1. Hold this proposal open for fifteen (15) calendar days after bid opening date.
2. Enter into and execute a contract with Prairie Central CUSD #8 of Fairbury Illinois if awarded on the basis of this bid.
3. Comply with the Contract Documents with respect to all bonds, insurance, work requirements and schedule.

**THE BIDDER MAKES THE FOLLOWING REPRESENTATIONS AND CERTIFICATIONS:**

- A. A surety company has agreed to issue Bonds required by the Bid Documents for my work if my bid is accepted by Macomb CUSD No 185 .
- B. The Bidder is not barred from contracting with any unit of state or local government as a result of violating the bid rigging or bid rotating provisions contained in 720 ILCS 5/33E-3 and 720 ILCS 5/33E-4.
- C. The Bidder is not barred from contracting with the State of Illinois as a result of a bribery conviction per 30 ILCS 505/10.2.
- D. All labor and wage compensation required in the execution of this contract and provided by this contractor or his subcontractors will comply with the Illinois Prevailing Wage Act, P.A. 86-799.
- E. This proposal is made without any connection with any person making another bid for the same contract, that the bid is in all respects fair and without collusion or fraud, that no member of the Macomb CUSD No. 185 , other officer or any person in the employment of Macomb CUSD No. 185 is directly or indirectly interested in the bid or any portion of the profit therefrom, except as allowed by the Illinois Law.
- F. I agree to provide a drug-free workplace as required by the Illinois Drug-free Workplace Act. I, the undersigned, do hereby certify that I am either the bidder or duly authorized agent of the referenced bidder, and I am authorized to execute the certifications hereon.
- G. CERTIFY THAT: By submission of this proposal the bidder confirms that he is familiar with the site, existing conditions, the Bid Documents and the project schedule.

**CONTRACTOR:**

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

Address: \_\_\_\_\_  
\_\_\_\_\_

email \_\_\_\_\_

Telephone: \_\_\_\_\_

FAX: \_\_\_\_\_

Date: \_\_\_\_\_

SIGNATURE:  
\_\_\_\_\_

TITLE: \_\_\_\_\_

**OWNER**

Prairie Central CUSD #8 Fairbury IL  
Acceptance Date \_\_\_\_\_

Award  
Base Bid \_\_\_\_\_

Alternate #1 \_\_\_\_\_

Alternate #2 \_\_\_\_\_

Alternate #3 \_\_\_\_\_

Total Award \_\_\_\_\_

Additional agreed to terms may be included  
by attached letter

Date of award: \_\_\_\_\_

SIGNATURE  
\_\_\_\_\_

Title \_\_\_\_\_

00 4000 PROCUREMENT FORMS  
Section 00 4010 - Voluntary Alternate & Substitution Form

The Bidder should include this form with the Bid Forms if a material or equipment option to that specified is offered at that time.

The Base Bid and Alternate Bids include only those products specified in the bidding documents. Following is a list of substitute products or assemblies which bidder proposes to furnish on this project, with the difference in price being added to or deducted from the Base Bid or Alternate Bids.

Bidder understands that acceptance of any proposed substitution is at Owner's option. Approval or rejection of any substitutions listed below will be subject to review after Contract award. Hold open for thirty-five (35) days from Bid Date.

**SUBSTITUTIONS**

MANUFACTURER'S NAME AND PRODUCT	ADD OR (DEDUCT)
_____	_____
_____	_____
_____	_____
_____	_____

**VOLUNTARY ALTERNATE**

DESCRIPTION	ADD OR (DEDUCT)
_____	_____
_____	_____
_____	_____
_____	_____

EVALUATION. Contract award will be made in accord with Instructions To Bidders. Only the lowest responsible bidder's Proposed Product Substitution Voluntary Alternates Form will be evaluated.

Attach with herewith or submit on day of bid a general description of the proposed option being offered.

Provide detailed information promptly upon request.

END 00 4010



DIVISION 00 – PROCUREMENT REQUIREMENTS  
Section 00 7000 – General and Supplementary Conditions

1. GENERAL

1.1. GENERAL CONDITIONS

- A. The conditions outlined in this and following paragraphs are to supplement and complement the conditions found in the articles of the AIA Document A201, 2007 Edition.
  - 1. Included in these Specifications by reference is AIA Document A201 General Conditions.
- B. AIA Document A201, 2007 Edition, can be purchased directly on line from a variety of vendors including the AIA and are available in electronic format as well as printed.
  - 1. AIA A201 2007 version can be reviewed at the Architects office without charge.
- C. To the page one of the AIA A201 General Conditions Document:
  - 1. Project: Prairie Central High School Football Seating
  - 2. Location: Prairie Central High School, 411 N. 7<sup>th</sup> Street, Fairbury, IL 61739
  - 3. The Owner: Prairie Central CUSD No. 8, 605 N. 7<sup>th</sup> Street, Fairbury, IL 61739
  - 4. The Architect: Middleton Associates Incorporated, 1702 W. College Ave., Suite E, Normal, IL 61761

1.2. SIGNING OF DOCUMENTS AND INSTRUMENTS OF THE CONTRACT

- A. All documents shall be signed by persons fully and duly authorized to so sign. Any documents signed by a person other than person prescribed by the Contractor's legal organization shall enclose with his signature the evidence of "Power of Attorney."

2. SUPPLEMENTARY GENERAL CONDITIONS

2.1. SUPPLEMENTS TO AIA DOCUMENT A201 (2007 EDITION) THE GENERAL CONDITIONS OF THE CONTRACT.

- A. The following sections represent modifications or additions to the AIA A201 -2007 Document.
- B. TO ARTICLE 1/GENERAL PROVISIONS
  - 1. Subparagraph 1.1.1 Contract Documents delete reference to Instructions for bidders and Addenda relating to bid requirements as not included in the Contract Documents.
  - 2. Add Subparagraph 1.1.1.1 The information provided to the bidder in Division 0 of the documents, shall be included without deletion as part of the Contract Agreement.

C. TO ARTICLE 2/OWNER

1. Add Subparagraph 2.2.2.1 Easements off site required by the Contractor to execute the work, such as space for storage, access, scaffolding, lane enclosure, etc., shall be arranged for by the Contractor and included in the contract amount.

D. TO ARTICLE 3 CONTRACTOR

1. To Subparagraph 3.3.1, delete the last two (2) sentences listed under 3.3.1 in their entirety.
2. To Subparagraph 3.3.1 insert: If the Contractor determines that such means, methods, techniques, sequences or proceedings may not be safe, or may not be appropriate to the equipment and task as becomes apparent, then said Contractor shall have included in his proposal amount allowance to complete this work per a revised plan for which he can assume responsibility and shall notify the Owner and Architect before proceeding. In no case do the Owner and Architect take responsibility for directing Contractor Operations.
3. To Subparagraph 3.12
  - a. Add 3.12.6.1 Submittals unmarked will not be reviewed at the Architect's option. Said unmarked submittals may be returned to the Contractor for re-submittal and the time loss shall not extend the time of completion of the project.
  - b. Add 3.12.6.2 Submittals reviewed by the A/E and returned or held as a record copy presume the Contractor responsibilities in paragraph 3.12.6 have been included whether noted or not.

E. TO ARTICLE 5 SUBCONTRACTORS

1. To Subparagraph 5.2
  - a. Add 5.2.5 The assignment of work or a portion of the work by the Contractor to Subcontractor(s) is the election of the Contractor and in no way changes or reduces the Contractor's obligations under the Contract to properly complete the work and/or provide clear title to the work, including the work by said Subcontractor(s).

F. TO ARTICLE 7 CHANGES IN THE WORK

1. To Subparagraph 7.1.2
  - a. Add 7.1.2.1 The Contractor and/or his Subcontractor shall not proceed with any work, directive or change for which he intends to claim extra cost without providing timely written notice to the Architect.

- b. Add 7.1.2.2 The Architect and Owner shall provide response to claims for additional cost within a reasonable time period upon receipt of notice or quote.
  - c. Add 7.1.2.3 Work for which an agreement cannot be reached prior to implementation can proceed as time and material work with all parties to agree on what is additional work over that which should have been included to complete the work as originally intended.
2. To Subparagraph 7.2.2
- a. Add 7.2.2.1 Change Order quotes shall be based on an approved quote or estimate which shall be based on labor and material cost, actual or estimated as prior agreed upon, and:
  - b. Add 7.2.2.2 Overhead and profit may be charged proportional to this category of work on the Contractor's CSV or not to exceed the greater of:
    - 1) Eighteen percent (18%) for the Contractor's own work forces
    - 2) Ten percent (10%) Subcontractor plus ten percent (10%) Contractor, for twenty percent (20%) total for work completed under a Subcontractor arrangement.
    - 3) These allowances shall include all off site and indirect costs, including insurance, project management, bonds and profit.

G. TO ARTICLE 9 PAYMENT AND COMPLETION

- 1. To Subparagraph 9.6.1
  - a. Add 9.6.1.1 Wherein the Owner is governed by a public Board, payment requests must be received by the A/E 5 days prior to the established time for entering into agenda prior to the next regular Board Meeting. Payments will be made within twenty-five (25) days following Board approval. Failure to make agenda dates will result in a minimum one (1) month delay in payment.

H. TO ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

- 1. To Subparagraph 10.2.1
  - a. Add 10.2.1.4 The Contractor shall be responsible to provide and maintain on site MSDS Sheets for all required materials to be brought on site.
    - 1) These sheets shall be readily available upon request to the owner on remodeling renovation projects which are Owner occupied.
    - 2) Comply with VOC regulations.

- 3) Comply with IEPA regulations.
2. To Subparagraph 10.2.3
    - a. Add 10.2.3.1 Provide for the general safety of public and Owners employees, such safety provision shall be adjusted as appropriate to the age and volume of public anticipated in the project vicinity.
    - b. Add 10.2.3.1 Provide for traffic safety as appropriate to the operations; cooperate with the governing authorities on road activities, lane closures, excavations, surface cleaning etc.

I. TO ARTICLE 11 INSURANCE & BONDS

1. To Subparagraph 11.1.2
  - a. Add 11.1.2.1 Minimum Limits of Liability for preceding coverage are:
    - 1) Workers Compensation - Statutory Limit
    - 2) Applicable Federal (*such as Longshoreman's*) Statutory limits.
    - 3) Liability Insurance may be written as Comprehensive General Liability policy form or Commercial General Liability policy form with the following coverages:
      - a) Bodily Injury - \$1,000,000 each occurrence, \$2,000,000 aggregate
      - b) Property Damage - \$1,000,000 each occurrence, \$5,000,000 aggregate.
      - c) Property Damage – Broad Form - \$1,000,000 each occurrence, \$2,000,000 aggregate.
      - d) Personal injury (*with employment clause deleted*) \$1,000,000 aggregate.
      - e) Products and completed operations \$1,000,000 to be maintained one year following final completion.
      - f) Business Automobile Liability, (*including owned and non-owned and hired vehicles*)
      - g) Bodily Injury and Property damage \$1,000,000 each person, \$1,000,000 each occurrence.
    - 4) Umbrella Insurance may be employed to supplement primary insurance limits to meet required limits.
    - 5) Contractor is responsible for any self insured limits not to exceed \$10,000 for any self insured hazards each occurrence
    - 6) In the event that a claim is filed or a settlement reached whether related to this project or not which



compromises the aggregate limits of liability then the Owner and Architect shall be notified and arrangements shall be made to provide additional insurance as needed to keep aggregate limits in force for the remainder of the Contract.

2. To Subparagraph 11.1.4
  - a. Add 11.1.4.1 The Owner, Architect, and Consulting Engineers including their employees and representatives shall be included as Additional Insureds or Named Insureds on the insurance and shall be shown as such on the Certificate.
3. To Article 11
  - a. Add 11.1.5 Contractor's insurance shall be maintained in force through basic warranty and guarantee periods, not less than one (1) year following Final Completion.
4. To 11.3. Property Insurance
  - a. Add 11.3.1.1 The Owner's property and vandalism insurance has \$1,000 deductible. The Contractor shall insure and thus pay the costs not covered by the Owner's deductibles.
  - b. Add 11.3.1.2 The Owner's Builder's Risk will cover only normally included Owner risks, on site, Owner's interest only, excluding tools and property of the Contractor and improperly stored or unsecured materials or loss/damage resulting from contractors operations.
5. To Paragraph 11.4.1 add the following Subparagraphs:
  - a. Add 11.4.1.1 The Contractor shall furnish Performance and Labor and Material Payment Bonds covering the faithful performance by the Contractor of the work specified in accordance with the plans and specifications and according to the time and terms and Conditions of the Contract, and also that the Contractor shall properly pay all debts incurred in the prosecution of the work, including those for labor and materials furnished and including labor obligations as interpreted by the Illinois Department of Labor and/or the courts.
  - b. Add 11.4.1.2 The cost of each bond shall be included in the Contract Sum plus any changes to the Contract Sum. The Contractor shall include in all bonds provisions as will guarantee faithful performance of the prevailing wage provisions of the Contract if applicable.
  - c. Add 11.4.1.3 Bonds shall be written by surety, approved by Owner, with a minimum rating of B or better, Financial Class V, or higher, in A.M. Best's Insurance Guide, current edition.

- The company must also be licensed in the State of Illinois.
- d. Add 11.4.1.4 The Contractor shall require the attorney-in-fact who executes the bonds on behalf of the surety to affix thereto a certified and current copy of power-of-attorney.
  - e. Add 11.4.1.5 The Contractor shall deliver the required bonds to the Owner not later than fifteen (15) days following the date the agreement is executed.

J. TO ARTICLE 12 UNCOVERING AND CORRECTION OF WORK

1. To Subparagraph 12.2.2.1 After Substantial Completion:

- a. Add 12.2.2.1.1 Latent Defects, for a period of 10 years after Substantial Completion, upon demand by the Owner, the Contractor shall promptly repair or replace, including associated work repairs and cleanup necessary, defective or non-conforming work resulting from or constituting latent defects, fraud, fraudulent concealment or gross negligence.
- b. Add 12.2.2.1.2 Seasonal equipment such as temperature controls and building systems subject to seasonal loads such as heating equipment and air conditioning, shall be warranted to perform as intended for two years. Exception would be equipment damaged by incorrect operation or maintenance procedures, specifically covered in training, but improperly implemented by the Owner.
- c. Add 12.2.2.1.3 Prompt Repair. Upon notice from the Owner or Architect of defects or nonconforming work, the Contractor shall promptly visit the site in the company of the Owner's representative to determine the extent of all defects or nonconforming work. The Contractor shall provide all labor, material and equipment to promptly repair or replace the defective or nonconforming work. The repair shall include all adjacent work not necessarily provided by the Contractor, but damaged as a result of correcting or remedying such defects or non-conforming work. If the Contractor does not promptly pursue correction, the Owner may repair or replace such work and charge the cost to the Contractor. Work which is repaired or replaced by the Contractor shall be inspected and shall be warranted by the Contractor in accordance with this Article.
- d. Add 12.2.2.1.4 The warranties set forth herein are in addition to all warranties or guarantees expressed or implied by operation of law, statute or ordinance.

- 1. To Subparagraph 12.2.2.3, Delete the word 'not'. Clarification; all materials and equipment are expected to perform satisfactorily for one year, items or equipment needing periodic attention during the first year of use, shall continue to be serviced by the Contractor until such time that the material, item or equipment is deemed to be doing its intended purpose without repeated service.

2. To Subparagraph 12.2.5

- a. Add 12.2.5.1 Extended Warranties and Commercial Warranties. The Contractor shall deliver all commercial and extended warranties received from manufacturers to the A/E prior to Final Payment. Extended warranties and guarantees will be as described under the various trade work sections of these documents, and may be the responsibility of third parties to the contract such as dealers or manufacturer's from whom such extended coverage is specified or as advertised such as a commercial limited warranty of performance or service. Such extended warranties may or may not include labor unless specified, or in the case of commercially advertised warranties as offered by the party selling the product or equipment.
- b. 12.2.5.2 Prompt Repair. Upon notice from the Owner or Architect of such defects or nonconforming work, the Contractor shall promptly visit the site in the company of the Owner's representative to determine the extent of all defects or nonconforming work. The Contractor shall provide all labor, material and equipment to promptly repair or replace the defective or nonconforming work. The repair shall include all adjacent work not necessarily provided by the Contractor, but damaged as a result of such defects or nonconforming work or as a result of remedying them. If the Contractor does not promptly repair or replace defective or non-conforming work, the Owner may repair or replace such work and charge the cost thereof to the Contractor. Work which is repaired or replaced by the Contractor shall be inspected and shall be warranted by the Contractor in accordance with this Article. The warranties set forth herein are in addition to all warranties or guarantees expressed or implied by operation of law, statute or ordinance.

B. TO ARTICLE 13 MISCELLANEOUS PROVISIONS

1. To Subparagraph 13.1

- a. Add 13.1.1 Location of the project is Illinois.
- b. Add 13.1.2 The Contractor shall, to the best of his knowledge and capability, perform all work encompassed by the documents, in compliance with the Environmental Barriers Act (Ill. Rev. Stat. 1985, ch. 111-1/2, pars. 3711 et seq. as amended), the Illinois Accessibility Code, 71 Illinois Administrative Code 400; The Uniform Federal Accessibilities Standards (UFAS); Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990 (effective January 26, 1992) known as ADA requirements. This obligation shall apply to the contractual work described as the project and the conduct of work processes initiated to accomplish the work.
- c. Add 13.1.3 All parties to this Contract are subject to the rules and regulations of the Illinois Department of Human Rights

and the statutory requirements thereof, including the requirement that every party to a public contract shall have adopted written sexual harassment policies (PA 87-1257).

- d. Add 13.1.4 It shall be mandatory that the Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry, age, marital status, physical or mental disabilities.
- e. Add 13.1.5 Illinois Department of Labor requirements. It shall be mandatory upon the Contractor to whom the Contract is awarded and upon any Subcontractors thereof to be in compliance with applicable wage and reporting regulations. This project is a Prevailing Wage Public Works contract.

2. To Subparagraph 13.3.

- a. Add 13.3.1 Notice served by facsimile (fax) to facsimile number used during bidding and construction shall be official written notice.
- b. Add 13.3.2 Notice served by electronic means (email) to the electronic address used during bidding and construction shall be official written notice.
- c. Add 13.3.3 The Bidder shall notify the Architect and/or the Owner at anytime of changes in the facsimile or electronic contact addresses that will reach the contractor. Failure to so notify is the Contractors responsibility.

C. TO ARTICLE 15 CLAIMS AND DISPUTES

- 1. To Subparagraph 15.3.1 Delete the word 'SHALL' and Insert the word 'MAY'.
  - a. Add 15.3.1.1 Mediation may be employed to resolve disputes if agreed to by both parties to the Contract.
- 2. To Subparagraph 15.4.1 Delete the word Shall and insert the word 'MAY'.
  - a. Add 15.4.1.1 Arbitration may be employed to resolve disputes if agreed to by both parties to the Contract.

End 00 7000

DIVISION 13 – SPECIAL CONSTRUCTION  
SECTION 13 3416.1 – Permanent Grandstand

1. GENERAL

1.1. System Description

- A. Provide labor, material, equipment, and supervision necessary to complete installation of permanent steel grandstand, including the following:
  - 1. Steel Substructure
  - 2. Aluminum Decking System
  - 3. Concrete Foundation
  - 4. Press Box Support
  - 5. Press Box
  
- B. Drawings depict the nominal assembly requested, minor variations to meet manufacturers standard assembly are acceptable.
  - 1. Voluntary alternates that would increase the quality or decrease the cost would be considered, and may be considered in the selection and contracting process, but are subject to the acceptance or decline by the Board without explanation.
  - 2. Code compliance to include
    - a. 2015 IBC
    - b. 2016 NFPA 102
    - c. 2017 ICC-300
  
- C. Alternate #3 powder coated aluminum risers closures.

1.2 Quality Assurance

- A. Manufacturer Qualifications: Manufacturers must have ten years of experience in the manufacturing of bleachers and grandstands; welders must be AWS certified; manufacturing capability according to various code compliances.
  
- B. Installer Qualifications: Factory-trained and experienced in the proper installation of grandstands.
  
- C. Source Quality Control: Mill Test Certification.
  
- D. The owner shall supply manufacturer with state and/or local code requirements. Owner shall also supply manufacturer with applicable handicap regulations.

### 1.3 Submittals

- A. Manufacturer's Product Data: Submit manufacturer's descriptive product data for project.
- B. Shop Drawings: manufacturer to submit shop drawings sealed by a licensed Professional engineer and schedules for type, location, quantity, and details of steel and aluminum components required for project.
- C. Certificates:
  - 1. Insurance Certificate, If required
  - 2. Bid Bond, If required
- D. Product Sample: Submit one 12 inch seat sample, if requested.
- E. Color Sample: If applicable, submit sample.

### 1.4 Site Conditions

- A. Owner to verify site locations and make site accessible.
- B. Owner will locate all underground utilities and obstructions. Any utility relocation required will be completed by owner.
- C. Owner will furnish geotechnical report indicating soil conditions and allowable soil bearing pressure.
- D. Owner will verify grandstand location and benchmark elevation.

### 1.5 Warranty

- A. Permanent grandstand shall be under warranty for a period of one year beginning at date of substantial completion for projects installed by manufacturer. The grandstand is warranted to be free from defect in materials and workmanship in the course of manufacture. This warranty excludes any other defects resulting from abnormal use in service, accidental or intentional damage or any occurrences beyond manufacturer's control. Any exposed mill finish aluminum surface will become discolored due to oxidation, which is a natural phenomenon. Bleacher manufacturer will not be responsible for discoloration of oxidized mill finish aluminum.

### 1.6 Maintenance

- A. Owner is to conduct annual inspection and required maintenance of grandstands to ensure safe conditions.

## 2. PRODUCTS

### 2.1 Acceptable Manufacturer

- A. Southern Bleacher Company, PO Box One Graham TX 76450, 801 5<sup>th</sup> Street 940-549-4733
- B. CBS Constructors, PO. Box 995 McCook, NE 69001 (308) 345-4280
- C. Sturdisteel Company, PO Box 2655, Waco, TX 76702-2655
- D. Dant-Clayton, 1500 Bernheim Lane, Louisville KY 40210, 800 626 2177
- E. Other manufacturers seeking approval shall submit product literature to owner/engineer seven days prior to bid date. This submittal shall include calculations by a registered engineer showing any deviations meet or exceed the specified item they are intended to replace. Failure of manufacturer to comply with this requirement is cause for rejection.

### 2.2 Permanent Grandstands

#### A. Product Description

- 1. Permanent steel structure grandstand nominal 6' or less primary frame spacing with columns and open between suitable for future enclosed outdoor equipment storage area.
  - a. Seating capacity nominal 1200 see plan for seating, ADA seating and open area for band use.
  - b. Press box support structure to be extension of primary frame structure to support nominal 43' x 8' +/- 2' as will fit structure.
- 2. Truss Leg Design: Vertical support columns shall be placed 6 feet 0 inches on center laterally and not less than 15' front to back (wider preferred).
- 3. Stringers: The steel stringers shall be structural wide flange beams placed 6 feet 0 inch on center with welded angle configurations to form seat and footboard supports.

- B. Design: Design shall be in accordance with the Governing Building Code, American Institute of Steel construction, Aluminum Design Manual, and Concrete Reinforcing Steel Institute.

#### C. Design Loads:

- 1. Live Loads: 100 Pounds per square foot (psf) gross horizontal area.

- a. Note that student section seating and decking as necessary needs to be structured for impact loading associated with anthems and pep songs.
  2. Perpendicular Sway Load: 10 pounds per linear foot (plf) of seat plank.
  3. Lateral Sway Load: 24 plf of seat plank
  4. Wind Load: Per local building code requirements.
  5. Live Load for Seat And Tread Planks: 120 plf
  6. Guardrail Loads: A single 200-pound concentrated or 50 plf distributed load applied in any direction, at any location.
- D. Shop Connections: Welded and capable of carrying stress put upon them.
- E. Front Walkway:
1. Clear width inches 60" minimum.
  2. Elevated 42" above grade at front center point of stand.
- F. Decking:
1. Rise per Row nominal 13" inches. Or manufacturers standard, code compliant.
  2. Depth per Row, 26" or greater.
  3. Seat height 18 inches.
  4. Seating
    - a. Bench heavy duty extruded aluminum submit sample with proposal. Or upon request.
    - b. Minimum 9 ½ x 2"
    - c. Provide additional intermediate supports for seating in student section
- G. Decking System Type
1. Standard plank semi closed deck or closed deck, allowed opening less than 4" under seats only
  2. Joint Sleeve: Pair of aluminum sleeves to insert in flat plank to maintain true alignment in joining together two plank pieces. Splice cover is unacceptable between two flat plank pieces joined in a straight line.
- H. Aisles:
1. Aisles with seating on both sides to have 34-inch high handrail, code compliant, segmented railing. with intermediate rail at approximately 22 inches above tread.



2. Anodized aluminum handrails with rounded ends are discontinuous to allow access to seating through a space 22 inches (min) to 36 inches (max).
  3. Aluminum tread nosing of contrasting color on aisle steps.
  4. (If required) Half steps shall provide equal rise and run throughout aisle. Each shall have aisle nosing of contrasting color.
- I. Guardrail: Code compliant, to be at all sides of grandstand, entry stairs, walkways, ramps, portals, and landings where 30 inches or more above adjacent area or grade. Materials shall be anodized aluminum pipe with end plugs at ends of straight runs or elbows at corners. Secure guardrail to aluminum channel post by galvanized fasteners. Top rail shall be 42 inches (min) above walkways and nose of adjacent seat. Include 9 gauge aluminized chain link fencing fastened in place with galvanized fittings and aluminum ties.
  - J. Handrails: Shall be provided at all ramps and stairs. 1 5/8" O.D. clear anodized aluminum pipe with extensions and returns per building code.
  - K. Stairs and intermediate risers: 2 X 12 Aluminum planks with maximum of 7 inch rise and minimum 11 inch tread. Guardrails and handrails per code.
  - L. Accessibility: Incorporate ramps and wheelchair spaces within grandstand system in accordance with applicable code requirements and ADA. Wheelchair spaces to be equally dispersed along front walkway and other crosswalks. Companion seat required for each wheelchair space.

### 2.3 Materials

- A. Structural shapes meet one of the following ASTM specifications; A36, A572 Gr50 or A992
- B. Aluminum planking: Extruded alloy 6063-T6
- C. Aluminum guardrails: Extruded alloy 6061-T6
- D. Aluminum guardrail support post: Extruded alloy 6061-T6
- E. Concrete foundations: minimum compression strength of 3,000 PSI at 28 days

### 2.4 Finishes

- A. Steel: Hot-dipped galvanized after fabrication in accordance with ASTM A123.

- B. Aluminum:
  - 1. Anodized: Aluminum seats, backrest, backrest stanchions, clear anodized 204RI. (Powder coat optional)
  - 2. Mill Finish: Aluminum footboards & riser boards.
  - 3. Alternate #3 powder coated aluminum riser boards

### 3 EXECUTION

#### 3.1 Foundations

- A. Slab foundation for the grandstand shall provide sufficient bearing area at bottom to support all loads of grandstand. See plan.
- B. For bidding purposes (if soil boring report is not available at bidding) foundations shall be designed using spread footings bearing at a 36" depth utilizing a bearing capacity of 2000 psf. If owner supplied geotechnical report recommends a different depth or bearing capacity, the contract price will be adjusted accordingly.

#### 3.2. Installation

- A. Install permanent grandstands complete in accordance with manufacturers written instructions and approved shop drawings.

#### 3.3 Clean-up

- A. Clean installed grandstand/bleachers exposed surfaces. Clean up all construction debris.
- B. On completion of installation, including work of other trades, adjust each Grandstand Bleacher unit to comply with manufacturers specification.

END 13 3416.1

DIVISION 13 - SPECIAL CONSTRUCTION  
Section 13 3416.2 - Continuous Angle Frame Bleachers

1. GENERAL

1.1. WORK INCLUDED

- A. Design and fabrication of angle frame bleachers.
  - 1. Elevated walkway, aluminum, closed deck construction, galvanized structure allowed.
  - 2. Minor layout variation to comply with Manufacturers standards and/or code requirements will be allowed.
  - 3. Description:
    - a. Alternate #1 – North side Visitor bleachers.
- B. Provide base slab under bleachers, stairs and ramps per plans.
  - 1. Oversize 1' minimum, 4" minimum concrete with 6" x 6" / 6/6 mesh.
- C. Associated work
  - 1. Structural support slab, see plans.
  - 2. Chain link fence work.

1.2. RELATED WORK

- A. ASTM A36 - Specification for structural steel
- B. ASTM A123 - Specification for zinc (Hot-Dip Galvanized) coatings on iron and steel products
- C. ASTM A307 - Specification for carbon steel bolts and studs, 60,000 psi tensile.

1.3. SUBMITTALS

- A. Submit Shop Drawings.
- B. Submit Shop Drawings sealed by a registered professional engineer indicating location, size, details and quality of all steel and aluminum.

1.4. QUALITY ASSURANCE

- A. Codes and standards: Design, fabrication and installation shall be in accord with BOCA 1999 edition and NFPA 102.

- B. Manufacturer qualifications: Minimum 10 years experience in design and Manufacture of bleachers.
- C. Manufacturer installed qualifications: Employ persons trained and experienced in the installation of bleachers.
- D. Welders: AWS certified.

#### 1.5. WARRANTY

- A. Guarantee bleachers to be satisfactory as to design, workmanship and materials for one (1) year beginning after completion of project.

### 2. PRODUCTS

#### 2.1. MANUFACTURER

- A. Same as grandstand manufacturer.

#### 2.2. ANGLE FRAME BLEACHERS

- A. Size: See Plans.
  - 1. Capacity nominal 440
  - 2. Raised front deck 30"
  - 3. Include accessible seating areas
  - 4. Ramp at west end, stair east end
- B. Design: Design shall be in accordance with American Institute of Steel Construction and Specifications for Aluminum Structure.
- C. Design loads: 2016 NFPA 102, 2018 IBC and 2017 ICC, but not less than
  - 1. Live load: 100 psf gross horizontal projection.
  - 2. Perpendicular sway load: 10 plf of seat plank.
  - 3. Lateral sway load: 24 plf of seat plank.
  - 4. Wind load: 30 psf vertical projection.
  - 5. Live load for seat and tread planks: 120 plf.
  - 6. Guardrail loads:
    - a. Vertical: 100 plf.
    - b. Horizontal: 50 plf.
- D. Shop connections: Welded.
- E. Welding: AWS standards.
- F. Framework: Space prefabricated angle bleacher frames at 6' intervals and connect by cross braces.
  - 1. Aluminum or Hot-Dip Galvanized.

- G. Rise and depth dimensions:
  - 1. Vertical rise and horizontal depth per row: 6" (minimum), 8" (maximum) by 24" (minimum).
  - 2. Seat above its respective tread: 17"
- H. Riser: Nominal 1 by 10 clear anodized aluminum plank at all rows or manufacturer standard extruded riser of similar strength.
- A. Seats: Nominal 2 by 10 anodized aluminum plank, with 2 by 10 end caps.
- B. Treads: Nominal two (2) - 2 by 10 end caps for all elevated units.
- C. Guardrail: Each line with end plugs at ends of straight runs and elbows at corners. Secure to angle rail risers by fasteners. Guardrails in accordance with BOCA 1999. Aluminized, knuckled edge chain link on inside of parts.
  - 1. Back and side top rails: 42" above its adjacent seat, 4" sphere rule.
  - 2. Front walkway top rails: 42" above plank deck, 4" sphere rule.
  - 3. Multi-line guardrail: In accordance with code.
- D. Front walkway on elevated angle frame bleachers: 60" wide, elevated 30" high. Walkway deck with 2 by 10 mill aluminum plank, match footboards.

### 3. EXECUTION

#### 3.1. INSTALLATION

- A. Install in strict accordance with Manufacturer's instructions.
  - 1. Anchor into slab.
  - 2. See Drawings.
- B. Concrete
  - 1. See Plan.

END 13 3416.2



DIVISION 13 – SPECIAL CONSTRUCTION  
SECTION 13 3416.3 – Press Box

1. GENERAL

1.1. System Description

- A. Provide labor, materials, equipment and supervision necessary to complete the construction of a prefabricated press box.
  - 1. Press box to be nominal 43' x 8' match to grandstand framing system and manufacturer's standard methods of assembly
  - 2. Press box to be divided into four (4) approximately equal spaces
  - 3. Provide roof access and proper 42" guard system for use of roof for filming.
  - 4. Code compliance 2015 IBC, 2016 NFPA 102

1.2 Quality Assurance

- A. Manufacturer Qualifications: Company specializing in modular building construction with a minimum of five years experience in manufacturing press boxes.
- B. Construction shall comply with the latest edition of the International Building Codes. The owner shall supply manufacturer with state and/or local variations from the IBC code requirements.

1.3 Submittals

- A. Manufacturer's Product Data: Submit manufacturer's descriptive product data for project.
- B. Shop Drawings: Manufacturer to submit shop drawings sealed by a licensed professional engineer indicating floor plan, elevations and section through press box.
- C. Product Sample: Submit samples for finish selections for press box, if requested.

1.4 Warranty

- A. Press box shall be under warranty for a period of one year beginning at date of substantial completion for projects installed by manufacturer. The press box is warranted to be free from defect in materials and workmanship in the course of manufacture. This warranty excludes any other defects resulting from abnormal use in service, accidental or intentional damage or any occurrences beyond manufacturer's control.

## 2. PRODUCTS

### 2.1. Acceptable Manufacturer

- A To be by same manufacturer as the grandstand structure

### 2.2 Press Box Materials

- A Size: Overall size of press box to be ft. by ft. with entrance platform on one end.

- B Press Box Materials

- 1. Floor System

- a Support Structures – Steel wide flange beams.
    - b Under Pan: 26 ga. galvanized steel.
    - c Floor Decking: 1 1/8 T&G plywood floor decking attached directly to steel support structure.
    - d Insulation: Kraft faced R-19 fiberglass.
    - e Floor Covering: 12" x 12" x 1/8" Thick vinyl composition tile.
    - f Pre-finished wood base trim at perimeter edges.

- 2. Wall System

- a Plates: 18 ga. galvanized steel channels
    - b Studs: 3 5/8" x 1 5/8" x 18 ga. galvanized steel studs @ 24" o/c.
    - c Headers: 5 1/2" x 1 5/8" and 5 1/2" x 2" x 18 ga. galvanized steel joist. (Note: header size may vary depending on span)
    - d Interior Wall Finish: 5/8" "Type-X", vinyl-faced Gypsum panels.
    - e Exterior Siding: 26 ga. "mini-rib" steel rib panel with kynar 500 painted finish over 5/8" CDX plywood sheathing, Tyvex as manufactured by Dupont, home wrap (or equal).
    - f Insulation: Kraft faced R-11 fiberglass.

- 3. Pre-molded Formica counter top Top shall be 18" deep, elevated 30" above floor, and shall be the continuous length of the building with support bracketson 32" centers.
  - 4. Roof system, manufacturers standard appropriate for light traffic
  - 5. Provide roof access hatch, ladder and roof hatch opening guard rail system per OSHA.



### 3. EXECUTION

#### 3.1. Installation

- a. Install press box in accordance with manufacturer's installation instructions.
- b. Erect in accordance with shop drawings.
- c. Install structures plumb, level and secure. Adjust door hardware for smooth operation and lubricate where necessary.

#### 3.2. Inspection

- a. Within (6) six months after completion of installation, pressbox shall be inspected by the manufacturer or his/her representative.

#### 3.3. Cleaning

- a. Clean surfaces after erection in accordance with manufacturer's recommendations
- b. Remove and properly dispose of packaging and construction debris.

END 13 3416.3

