

PROJECT NO: 5808

DATE: 3/30/2019

PROJECT MANUAL AND SPECIFICATIONS FOR

**GYMNASIUM BLEACHER REPLACEMENT FOR:
MENDON HIGH SCHOOL**

**MENDON COMMUNITY UNIT SCHOOL DISTRICT
NO. 4**

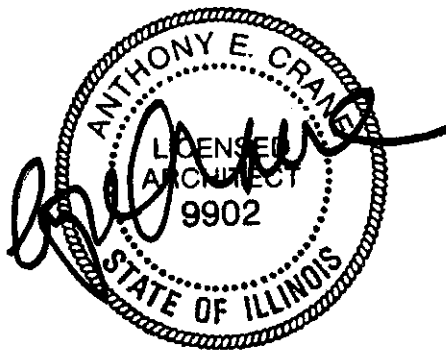
MENDON, ADAMS COUNTY, ILLINOIS

GENERAL CONSTRUCTION

BID PACKAGE

CURRENT DATE: 3/30/19

CURRENT DATE: 3/30/19



LICENSE EXPIRES: 11/30/20



LICENSE EXPIRES: 11/30/20

ARCHITECHNICS, INC

510 MAINE STREET, QUINCY, ILLINOIS 62301 (217) 222-0554 FAX: (217) 223-336

**SPECIFICATIONS AND
PROJECT MANUAL**

**GYMNASIUM BLEACHER REPLACEMENT FOR:
MENDON HIGH SCHOOL
MENDON COMMUNITY UNIT SCHOOL DIST. NO. 4
MENDON, ADAMS COUNTY, ILLINOIS**

ARCHITECTNICS, INC. PROJECT NO. 5808

GENERAL CONSTRUCTION BID PACKAGE

**OWNER: COMMUNITY UNIT SCHOOL DISTRICT NO. 4
MENDON, ADAMS COUNTY, ILLINOIS**

**ARCHITECT/ENGINEER ARCHITECTNICS, INC.
510 MAINE STREET
QUINCY, IL 62301
(Also referenced as the A/E)**

**CURRENT DATE:
3/30/19**



**Expiration Date
11/30/20**

I hereby certify that the portion of this technical submission described below was prepared by me, or under my direct supervision and responsible charge. I am a duly registered Architect under the laws of the State of Illinois.

A handwritten signature in cursive script, appearing to read "A. E. Crane", written over a horizontal line.

Signature

Pages or sheets covered by this seal:

This Project Manual, Project Number 5808 and pertinent drawings, contained under separate cover.

Copyright by ARCHITECTNICS, INC. Reproduction of the material herein without the written permission of Architechnics Inc. violates the Copyright Laws of the United States and will be subject to Legal Prosecution.

<u>DIVISION</u>	<u>DOCUMENT</u>	<u>TITLE</u>
0		<u>BIDDING AND CONTRACT REQUIREMENTS</u>
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		NOTICE TO BIDDERS
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		GENERAL CONDITIONS
		EQUAL EMPLOYMENT OPPORTUNITY PREVAILING WAGE
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<u>DIVISION</u>	<u>DOCUMENT</u>	<u>TITLE</u>
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	00860	Drawings, Schedules, & Details
1		<u>GENERAL REQUIREMENTS</u>
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13		<u>SPECIAL CONSTRUCTION</u>
	13125	Telescopic Bleacher Seating

SPECIFIER(S): General: A.E. Crane, AIA
Phone: (217) 222-0554
Fax: (217) 223-3361
E-Mail: archeng@architechnicsinc.com

ADVERTISEMENT FOR BIDS

Public Bids are being sought by the Board of Education of Mendon Community Unit School District No.4, who will receive sealed bids for the following described work at the Mendon High School Complex, Mendon, Adams County, Illinois. ARCHITECTNICS, INC. Project No. 5808. The Title of said work is Gymnasium Bleacher Replacement for: High School, Mendon CUSD No.4, General Construction Bid Package and bids shall be received in two (2) General Construction Base Bid Categories, and two (2) Alternate Bid Categories, as follows:

1. BASE BID "A" - GENERAL CONSTRUCTION WORK -
GYMNASIUM BLEACHER REPLACEMENT FOR: MENDON HIGH SCHOOL
HIGH DENSITY POLYETHYLENE SEATING SYSTEM
To include all related materials and labor required for providing and installing all new bleachers in Mendon High School Gymnasium as specified herein and as shown on the Project Drawings (Spec. 13125).

ALTERNATE BID "A-1" - MOTORIZED OPERATION OF BLEACHERS

Provide the additional price for all materials and labor required for providing and installing motorized operation of all bleacher sections, including all related and necessary equipment, controls, and required electrical work for the extension of electrical power, accessories, equipment, devices, conductors, conduit, terminations, etc.

2. BASE BID "B" - GENERAL CONSTRUCTION WORK -
GYMNASIUM BLEACHER REPLACEMENT FOR: MENDON HIGH SCHOOL
CLASSIC WOOD SEATING SYSTEM with VINYL "PERMA-CAP" SEAT COVER
To include all related materials and labor required for providing and installing all new bleachers in Mendon High School Gymnasium as specified herein and as shown on the Project Drawings (Spec. 13125).

ALTERNATE BID "B-1" - MOTORIZED OPERATION OF BLEACHERS

Provide the additional price for all materials and labor required for providing and installing motorized operation of all bleacher sections, including all related and necessary equipment, controls, and required electrical work for the extension of electrical power, accessories, equipment, devices, conductors, conduit, terminations, etc.

Sealed bids for the work will be received from interested contractors no later than 2:00 P.M. prevailing time on Wednesday, April 17, 2019 at the office of the Architect, Architechnics, Inc., 510 Maine Street, Quincy, IL 62301, 217-222-0554, and at the time of Bid Opening. Bids will be publicly opened and read aloud.

Bids shall be submitted on a pre-printed Contractors Proposal Form, as prepared by the Architect, and included in this Project Manual.

A 5% Bid Deposit will be required to accompany bids received. The successful bidder, to whom a contract is awarded, will be required to provide the Owner with a Performance and Labor/Material Bond in an amount equal to one hundred percent (100%) of the contract amount.

The Contractor is required to pay not less than the general prevailing rate of hourly wages as determined by the Board of Education Carrollton Community Unit School District No.1, and the Illinois Department of Labor, a copy of which is on file in the Office of the Superintendent.

Prospective bidders must comply with Chapter 48, Section 2201-2207 of the Illinois Revised Statutes regarding preference to Illinois Citizens on Public Works Projects.

Plans and Specifications for bidding purposes are available at the offices of the architect, ARCHITECHNICS, INC. 510 Maine St., Quincy, IL 62301. A deposit of \$50.00 will be required for use of the Plans and Specifications for bidding purposes. **Deposits will be refunded in full, only to those contractors who submit a bona fide bid and/or to any plan holder who returns the bidding documents to the Architect's office within ten (10) days following the bid opening date.** A PRE-BID MEETING WILL NOT BE HELD.

BY ORDER OF:

BOARD OF EDUCATION, MENDON COMMUNITY UNIT SCHOOL DISTRICT NO. 4,
MENDON, ADAMS COUNTY, ILLINOIS
Scott Riddle, Superintendent of Schools

DATE _____

CONTRACTOR'S PROPOSAL

TO: BOARD OF EDUCATION OF
CARROLLTON COMMUNITY UNIT SCHOOL DISTRICT NO. 1
CARROLLTON, GREEN COUNTY, ILLINOIS

The undersigned offers the following proposal pertaining to Mendon High School, Mendon CUSD No. 4, General Construction Bid Package, located at Mendon High School Complex, Mendon, Adams County, Illinois in accord with the Contract Documents prepared for this work, Project No. 5808 by Architechnics, Inc., 510 Maine Street, Quincy, IL 62301.

The undersigned bidder, having inspected the site of the proposed work and having familiarized himself with all the conditions affecting the work, and having examined the Drawings and Specifications prepared by ARCHITECHNICS, INC., hereby proposes to furnish all labor, materials, equipment, and services for construction and installation of Gymnasium Bleacher Replacement for Mendon High School, Mendon CUSD No.4, General Construction Bid Package, located at Mendon High School, Mendon, Adams County, Illinois.

1. BASE BID "A" - GENERAL CONSTRUCTION WORK \$ _____
GYMNASIUM BLEACHER REPLACEMENT FOR:
MENDON HIGH SCHOOL GYMNASIUM
HIGH DENSITY POLYETHYLENE SEATING SYSTEM
To include all related materials and labor required for providing and installing all New Bleachers in Mendon High School Gymnasium as specified herein and as shown on the Project Drawings (Spec. 13125.)

ALTERNATE BID "A-1"-
MOTORIZED OPERATION OF BLEACHERS (+) \$ _____
Provide the additional price for all materials and labor required for providing and installing motorized operation of all bleacher sections, including all related and necessary equipment, controls, and required electrical power, accessories, equipment, devices, conductors, conduit, terminations, etc.

2. BASE BID "B" - GENERAL CONSTRUCTION WORK \$ _____
GYMNASIUM BLEACHER REPLACEMENT FOR:
MENDON HIGH SCHOOL GYMNASIUM
CLASSIC WOOD SEATING SYSTEM with VINYL "PERMA CAP" SEAT COVER
To include all related materials and labor required for providing and installing all New Bleachers in Mendon High School Gymnasium as specified herein and as shown on the Project Drawings (Spec. 13125.)

ALTERNATE BID "B-1"-
MOTORIZED OPERATION OF BLEACHERS (+) \$ _____
Provide the additional price for all materials and labor required for providing and installing motorized operation of all bleacher sections, including all related and necessary equipment, controls, and required electrical power, accessories, equipment, devices, conductors, conduit, terminations, etc.

2. BID DEPOSIT – Check box at right for compliance with 5% Bid Deposit Requirement

☐

3. ADDENDA – Indicate receipt, by number, of all Addenda issued for this work.

4. CHECK BOX AT RIGHT TO ACKNOWLEDGE
PROJECT CONTINGENCY ALLOWANCE

(Refer to "Instructions to Contractors" Article 37 for terms of Allowance)

☐

5. CHECK BOX AT RIGHT TO ACKNOWLEDGE THE DATE
MONTH & YEAR WHEREBY THIS PROJECT WILL BE
SUBSTANTIALY COMPLETED FOR USE AND OCCUPANCY
BY THE OWNER (Refer to "Instructions to Contractors"
Articles 23, and 41)

☐

TOTAL CONTRACT AMOUNT ACCEPTED BY OWNER \$ _____
(Do not write in this space, to be completed by Owner)

SIGNED:

ACCEPTED:

BOARD OF EDUCATION
MENDON COMMUNITY
UNIT SCHOOL DISTRICT NO. 4
MENDON, ADAMS COUNTY, ILLINOIS

NAME OF FIRM

AUTHORIZED SIGNATURE

STREET ADDRESS

PRINTED NAME

CITY, STATE

TITLE

AUTHORIZED SIGNATURE

DATE

PRINTED NAME

TITLE

DATE

NOTICE TO BIDDERS

Those firms interested in returning a proposal by mail should enclose the pre-printed Contractor's Proposal Form document in a sealed envelope addressed to:

ARCHITECHNICS, INC.
510 MAINE STREET – FLOOR 10
QUINCY, IL 62301

The outside envelope should be clearly marked:

Bid to the : Mendon Community Unit School District No. 4

Project: GYMNASIUM BLEACHER REPLACEMENT FOR:
MENDON HIGH SCHOOL GYMNASIUM
GENERAL CONSTRUCTION BID PACKAGE

Bid Opening Date: Refer to "Advertisement for Bids"

Proposals may be hand delivered in an envelope, marked with the same information, to the Architect's Office.

Bidders are invited to attend the bid opening at the time and location indicated in the bid documents.

A summary of the bids received, showing individual bids, will be available from the Architect's Office upon request.

INSTRUCTIONS TO CONTRACTORS

1. PURPOSE OF THIS SECTION OF SPECIFICATIONS

It is the intent of this section of these specifications to make known to interested contractors any special instructions which may affect their bids or their work on this Project, and to state herein such instructions of special nature that are not included in the specifications sections dealing in actual construction work.

2. GENERAL COMPOSITION OF THESE SPECIFICATIONS

In some instances, part of these specifications contain instructions pertaining to work that is actually not found on the accompanying drawings nor actually intended or required for this particular construction project. Inasmuch as many of the parts contained herein are prepared for the use as specification material for almost any type construction project, the Contractors are herewith instructed to disregard such parts not actually pertaining to this particular Project. Likewise, part of the specifications apply to all Bids (Base Bids, Alternate Bids, etc.) and part applies to only certain Base Bids or Alternate Bids. These specifications may or may not be specifically referenced. The Contractor shall determine applicability based on standard practice and guidelines in the construction industry, and/or verify such with the Architect/Engineer. These specifications should be used as a reference for material required on the Project and specified as to quality standards, types, products, etc., as indicated herein or as shown on the Project Drawings.

3. OWNER

The "Owner" is: BOARD OF EDUCATION OF
MENDON COMMUNITY UNIT SCHOOL DISTRICT NO.4
MENDON, ADAMS COUNTY, ILLINOIS
(NOTE: ALSO REFERENCED AS "USING AGENCY")

4. PROJECT

The "Project" is: GYMNASIUM BLEACHER REPLACEMENT
MENDON HIGH SCHOOL
MENDON C.U.S.D. NO. 4
LOCATED AT MENDON HIGH SCHOOL COMPLEX
MENDON, ADAMS COUNTY, ILLINOIS
ARCHITECHNICS, INC. PROJECT NO. 5808

5. BIDS REQUESTED

Bids for construction of the Project will be received to include all the provisions for, and installation of all labor, material, equipment, etc. necessary for the successful completion of this Project. Bids shall include all related site and building construction work, including architectural, plumbing, mechanical, and electrical work. Bids will be received in One (1) Base Bid General Construction Category, and Alternate Bid Categories as follows:

BASE BID "A" - GENERAL CONSTRUCTION WORK –
GYMNASIUM BLEACHER REPLACEMENT FOR: MENDON HIGH SCHOOL
To include all related materials and labor required for providing and installing all
New Bleachers in Mendon High School Gymnasium as specified herein and as shown
on the Project Drawings (Spec. 13125).

ALTERNATE BID "A-1" – MOTORIZED OPERATION OF BLEACHERS
Provide the additional price for all materials and labor required for providing and
installing motorized operations of all bleacher sections, including all related and
necessary equipment, controls, and required electrical work for the extension of
electical power, accessories, equipment, devices, conductors, conduit, terminations,
etc.

The Instructions to Contractors and the General Conditions sections of the Project
Specifications are applicable to, and are a part of the requirements under each phase of
the work. NOTE: Where referenced, the "Prime Contractor" is the "General Contractor".

6. QUALIFICATION OF BIDDERS

- a) Owner may make such investigation as he deems necessary to determine the
ability of bidder to perform the work in accord with the provisions of the
Contracts Documents, and bidder shall furnish to Owner all such information
and data for this purpose as Owner may request. Conditional bids may or may
not be accepted, as determined by the Owner.
- b) The competency and responsibility of bidders and of their proposed
subcontractors will be considered in making the award. The Owner does not
obligate himself to accept the lowest or any other bid. The Owner also
reserves the right to hold all bids for a maximum of sixty (60) days for
consideration.

7. EXAMINATION OF SITE

The contractor shall carefully examine the site and scope of work. No pleas of
ignorance of conditions that exist or that may hereafter exist, or of conditions or
difficulties that may be encountered in the execution of the work as a result of failure to
make a proper examination and investigation will be accepted as an excuse for any failure
or omission on the part of the Contractor to fulfill in every detail all of the requirements
of the specifications and drawings or will be accepted as a basis for any claims whatsoever
for extra compensation.

The Owner's designated on-site personnel for contact and verification of items
pertaining to the Site, Building and grounds is:
Scott Riddle, Superintendent of Schools
Mendon Community Unit School District No. 4
Mendon, Adams County, Illinois
217-936-2111 phone, 217-936-2643 fax

8. FAMILIARIZATION WITH THE WORK

Before submitting his bid, the contractor shall familiarize himself with the work, rules governing acceptance of his work, site where the work is performed, labor conditions, the conditions and facilities at the site for delivery and installation, all laws, regulations and other factors affecting performance of the work. The prospective bidder shall carefully correlate his observations with the requirements of the bidding documents and contract drawings, and otherwise satisfy himself of the expense and difficulties attending performance of the work, including delivery of material and equipment. The submission of a bid will constitute an incontrovertible representation by the bidder that he has complied with every requirement of this Article.

9 PREPARATION OF PROPOSAL

Proposals shall be made on the form provided by the Architect. Forms may be included in the Specifications, and/or are separately attached, and Proposal Forms shall become a part of the Contract Documents.

No Bid or Proposal submitted will be considered by the Owner unless such Bid or Proposal is accompanied by a Surety Guarantee Bond made payable to:

Board of Education

Mendon Community Unit School District No. 4

Mendon, Adams County, Illinois

in an amount equal to at least five percent (5%) of the amount of the Bid or Proposal being submitted.

Said deposit to accompany Bid or Proposal shall be forfeited to the Owner in the event that any Contractor to whom a Contract is awarded fails to enter into Contract with the Owner for the work proposed in his Bid or Proposal.

The proposal guarantee will be returned as soon as practicable to those Contractors who, at the discretion of the Owner and the Architect, would not be considered in making the award. Upon execution of the Contract, all remaining collateral will be returned.

Each bidder must examine the Contract Drawings and the Specifications. He shall satisfy himself of the extent of the proposed work by personal examination of the site and its surrounding and make his own estimate therefrom of the facilities and difficulties attending the performance and completion of the job.

10. DELIVERY OF PROPOSAL

Proposals shall be addressed to the Owner and shall be delivered in an opaque envelope addressed as indicated below, marked PROPOSAL, and bearing the title of the work and the name of the bidder.

If sent by mail, preferably registered, the sealed Proposal marked as indicated above should be enclosed in an additional envelope, addressed as follows:

ARCHITECHNICS, INC.
510 MAINE STREET, FLOOR 10
QUINCY, IL 62301

RE: GYMNASIUM BLEACHER REPLACEMENT
HIGH SCHOOL
MENDON CUSD #4
GENERAL CONSTRUCTION BID PACKAGE

11. PERFORMANCE AND LABOR/MATERIAL PAYMENT BONDS

The successful bidder, to whom a Contract is awarded, will be required to provide the Owner, within a period of fourteen (14) days following the date of the notice of such award, a Surety Company's Performance Bond and a Labor/Material Payment Bond, each in an amount equal to one hundred percent (100%) of the Contract Amount.

12. CONTRACT AWARD

An award, if made, will be made to the lowest responsible bidder complying with the terms of the Contract within a period of sixty (60) days following the bid due date; during this period, the Owner shall have the right to retain all Bids, Bid Deposits received during bidding, and no bid or Bid Deposit may be withdrawn and will remain in full force and effect for such period. The Owner reserves the right to waive informalities in a bid or failure to comply with all of the requirements of these instructions, and to award the work to other than the lowest bidder.

13. NOTICE TO PROCEED

The successful bidder, if awarded the Contract, shall commence the work within ten (10) calendar days after the date of receipt of official notice to proceed.

14. EXAMINATION OF SITE

The contractor shall carefully examine the site and scope of work. No pleas of ignorance of conditions that exist or that may hereafter exist, or of conditions or difficulties that may be encountered in the execution of the work as a result of failure to make a proper examination and investigation will be accepted as an excuse for any failure or omission on the part of the Contractor to fulfill in every detail all of the requirements of the Specifications and Drawings or will be accepted as a basis for any claims whatsoever for extra compensation.

15. FAMILIARIZATION WITH THE WORK

Before submitting his bid, the Contractor shall familiarize himself with the work, rules governing acceptance of his work, site where the work is performed, labor conditions, the conditions and facilities at the site for delivery and installation, all laws, regulations and other factors affecting performance of the work. The prospective bidder shall carefully correlate his observations with the requirements of the bidding documents and contract drawings, and otherwise satisfy himself of the expense and difficulties attending performance of the work, including delivery of material and equipment. The submission of a bid will constitute an incontrovertible representation by the bidder that he has complied with every requirement of this Article.

16. SPECIFIED MATERIALS AND EQUIPMENT

- a) No alterations or changes in the Plans, Specifications, or other instructions enclosed shall be permitted.
- b) Any prospective bidder who discovers ambiguities or is in doubt as to the true meaning of any part of the Bid Documents shall promptly request Architect for an interpretation thereof.
- c) Interpretations will be made only by Addenda, duly issued and copies of each Addendum will be mailed or delivered to each Bid Document holder of record.
- d) The bidder shall be solely responsible for any interpretation of the drawings and specifications other than by duly issued Addenda.
- e) Except such materials as definitely specified to be furnished by the Owner, the Contractor shall provide all materials, tools, automotive, and other construction equipment which may be necessary for the completion of the work described in the specifications. He shall keep a competent representative on the job and employ men skilled in the various phases of the work involved. All work shall be performed in a workmanlike manner.
- f) Products and manufacturers not named or specified herein may be included upon request in writing to the Architect at least seven (7) days prior to receipt of bids. Products and manufacturers not specifically named or specified in the Drawings, Specifications, or Addenda will not be considered for use on this Project.

17. FAILURE TO EXECUTE CONTRACT

Failure to comply with any of the requirements of these Specifications to execute contract within ten (10) days after mailing as specified, or to furnish security as required shall be just cause for the annulment of the award. In the event of such annulment of the award, the amount of the proposal guarantee shall become the property of the Owner, not as a penalty, but as liquidated damages. Award may then be made to the next best qualified bidder, or the work re-advertised, or handled as the Owner may elect.

18. ACCESS, STORAGE, ETC. ON SITE

The contractor shall have access during normal working hours to that portion of site on which construction is involved. On-site storage of materials, equipment, etc. shall be as prearranged with Owner and/or Architect.

19. "GENERAL CONDITIONS: NOT APPLICABLE"

The "General Conditions" section of this specification is a standard form and, therefore, certain paragraphs are not applicable to this Project. Therefore, the following paragraphs shall hereby be deleted from the requirements of this specification.

a) Paragraph 28 - Applicable taxes

20. PROTECTION OF BUILDING, SITE AND ADJOINING PROPERTIES

The Contractor shall be required to take the necessary precautionary measures to insure the protection of the building, site and adjoining properties from damage of any kind resulting from work on this Project. All costs of such precautionary measures, as well as the costs incurred in repair or replacement of damage inflicted, will be borne by the Contractor as part of his work on this Project.

21. TAX EXEMPT

All contractors are hereby notified that this Project is exempt from Sales Tax on all materials. Bids shall, therefore, not include such tax.

22. PROGRESS OF WORK

It is the intent of this specification to require aggressive progress to completion once the Project is started. Work shall be substantially complete as soon as possible.

23. SUBSTANTIAL COMPLETION

Substantial completion is a condition which occurs when the Owner accepts the certification of the Architect that construction is sufficiently complete in accordance with the contract documents so that the Project or a designated portion thereof may be occupied for the use intended. Substantial completion shall be as indicated in the Contractor Proposal Form and as accepted by the Owner.

24. PREVAILING WAGE

Each contractor and sub contractor is required to pay not less than the general prevailing rate of hourly wages for work of a similar character in the locality (Adams County) in which the work is performed, and not less than general prevailing rate of hourly wages for legal holidays and overtime work, as determined pursuant to 820 Illinois Compiled Statutes 130 et seq. **These rates are subject to change.** Rates are available at

the Office of the Adams County Clerk, Adams County Courthouse, Quincy, Illinois, IDOL website - <http://www.state.il.us/agency/idol/>, and at Superintendent's Office, Mendon CUSD #4, Mendon, Illinois. At the time this document was prepared, the latest available rates were attached. By submitting a bid for this project, the successful bidder agrees to monitor the rates, ascertain any change, and pay the rates from time to time in effect during the term of the contract.

25. CONTRACT LIMIT LINES

Contract limit lines have been established for this project, due to sensitivity for School property. The contract limit lines have been established so that the contractor's activities, access, materials, and equipment have a limited area within to operate. Contract limit lines shall constitute the immediately adjacent areas of the work to take place. Verify with the Architect.

The General Contractor (Base Bid Contractor(s)) shall be responsible for restoring all that area within the contract limits to an acceptable condition. The contract limits for this project shall be as indicated on the drawings, or if not indicated, The Grade School Gymnasium.

26. UTILITIES, WATER, ELECTRIC DURING CONSTRUCTION

The contractor shall arrange for any and all water, electric, and utilities required at the site to perform his work successfully. Utilities of any kind should be available at the site.

27. INSURANCE REQUIREMENTS

Proof of insurance, as listed in "General Conditions", shall be sent to the architect upon receipt of "Notice of Award".

28. LIEN WAIVERS SUBMITTED WITH EACH PAY REQUEST

Contractors shall submit Partial Lien Waivers with every progressive (monthly) pay request, and shall submit Final Lien waivers in accordance with the General Conditions included herein.

29. RUBBISH REMOVAL

The Contractor shall be responsible for removal of rubbish, etc. from the site, and shall provide an on-site container or dumpster, if required, for said rubbish. Location of dumpster shall be approved by Owner.

30. ADD TO PARA.11

INSURANCE OF THE GENERAL CONDITIONS SECTION

An Umbrella, of Excess Liability, policy of not less than \$1,000,000 for any one occurrence and subject to the same aggregate over the Comprehensive Automobile Liability, Employee's Liability, Comprehensive General Liability, shall be required.

The Contractor shall list as "Additional Insured" on his insurance certificate and in addition to the Owner, the following: ARCHITECHNICS, INC. This should include all employees, officers, and directors of the listed entities.

31. SHOP DRAWING SUBMITTAL REQUIREMENT ALERT

Certain sections of the specifications clearly indicate that preparation and submittal of detailed shop and equipment drawings are required before the Contractor may proceed with the work. No exception to this rule will be permitted on this project.

32. REMOVAL

The Contractor shall accept the premises as he finds them upon the signing of the contract. He shall completely remove the existing work so indicated on the drawings, and/or as specified and as may be required to permit the proper installation of new work. All items removed and not reused shall be deposited in an E.P.A. approved landfill.

33. EXISTING CONDITIONS

Bidders shall carefully check the drawings and compare with existing conditions to ascertain the full amount of work involved. The contractor will be required to execute all labor and provide all material to carry out all the work required to obtain the results as indicated on the drawings and in the specifications, whether each and every item is mentioned or not. No additional compensation will be allowed for such work or materials as are not shown on the drawings and/or specified, but which are required to obtain the above mentioned results.

34. PRE-CONSTRUCTION MEETING

After low bidders are identified and Contracts are awarded, a Pre-Construction Meeting will be scheduled at the site to coordinate efforts of all contractors, subcontractors, and Owners personnel.

35. CONTRACTOR (BIDDER) SHALL PROVIDE LIST OF ALL SUBCONTRACTORS TO BE USED ON THIS PROJECT

The Successful Contractor, to whom a Contract is awarded for this work, will be required to provide to the Owner, for his review, consideration, and approval, a list of subcontractors to be used on this Project.

36. EXISTING BUILDING AND GROUNDS, SHALL BE RESTORED
FOLLOWING CONSTRUCTION ACTIVITIES

This Contractor shall completely restore any surfaces, areas, or items damaged because of construction or improvement activities. Upon completion of this Project, all surfaces, areas and items to remain at the site shall be completely functional and operational, in top quality condition. The Contractor shall bear all costs of restoration as part of this construction.

37. CHANGE ORDER/CONTINGENCY PRICE ALLOWANCE

The General Contractor (Base Bid "A" Contractor) shall provide a Change Order Allowance in his Bids to cover any unanticipated modifications to the Contract that result in price, or cost additions. The Allowance should be equal to the following:

Base Bid "A" - 5% of the Contractor's Bid (Gymnasium Bleacher Replacement)

If total Contract Change Orders, in addition to Contract, results in a total dollar amount greater than this Allowance, then the balance will be added to the Contract at the end of the Project.

If total Contract Change Orders, in addition to Contract, results in a total dollar amount less than the Allowance, then the balance will be credited to the Contract (deducted from the Contract) at the end of the Project.

This allowance shall be included in the Contractor's Base Bid as indicated and acknowledge as such on the Bid Form. This Contingency Allowance shall be included in the Contractor's bid(s), as requested on the Contractor Proposal Form (Bid Form). Failure to acknowledge inclusion of this Contingency Allowance(s) shall justify the rejection of a bid or bids.

38. SHORING

- A. All temporary shoring, bracing, etc., required for the installation of new work, shall be included in this Contract. This must be done to the entire satisfaction of the Architect, but the Contractor must assume full responsibility for the work. The contractor shall make good, at no cost to the Owner, any damage caused by improper support or failure of shoring in any respect.
- B. When permanent supports are completed, the Contractor shall remove all shoring, temporary bracing, and similar elements.

39. ARCHITECT NOT RESPONSIBLE FOR EXISTING CONSTRUCTION

Architechnics, Inc. cannot assume responsibility or liability of any of the existing construction.

Many decisions concerning the new construction for this Project used the existing Plans and Specifications for the existing building as a basis for the new work. Much of this work is covered up or concealed behind existing construction, and is not available for verification. Only at the time of actual construction/demolition work will many of these conditions be verified.

Because of the complexity and detailed nature of the new work and remodeling work, and the reliability of existing infrastructure to actually be in place as it is presented to be, the Architect cannot assume operating and functioning condition of the various existing systems, infrastructure, and existing equipment.

Architechnics, Inc. cannot assume any responsibility or be held liable for accuracy of the existing construction drawings, plans, and specifications for the existing building. These Drawings were provided to Architechnics, Inc., by the Owner, for use on this Project.

40. EXISTING FACILITY TO BE SECURED DURING CONSTRUCTION

The Existing Facility shall be secured by the Contractor during the entire construction period. Contractors shall accommodate this, to an extent, as much as possible. If certain items related to the new construction, or any of the construction activity, will affect the security of the existing facilities, the contractor shall notify an Owner's representative or the Architect as early as possible before the affected point in time the interruption will occur.

Phasing of the Project shall be addressed, and will be discussed at the Pre-Construction Meeting. Generally, Construction Phasing should be clarified before the Contractor begins work at the Site. The Contractor's Schedule shall be submitted to the Architect and Owner for prior approval.

41. PROJECT SUBSTANTIAL COMPLETION DATE (STARTING DATE)

Prior to submitting his bid, the Base Bid Contractor(s) shall satisfy himself that the project can be substantially completed within the time frame herewith listed, and shall positively respond to anticipated substantial completion date on the Contractor Proposal Form. Installation shall occur, if possible, during the summer of 2019, and prior to August 15, 2019, or a date proposed by the Bidder (Contractor) that is reasonable and acceptable to the Owner, and as indicated accordingly on the Contractor Proposal Form.

42. ASSIGNMENT OF PROJECT COORDINATION

The Project Coordination will be the responsibility of the Base Bid Building Construction General Contractor and shall be scheduled to accommodate construction coordination with the Owner.

43. OCCUPANCY DURING CONSTRUCTION

In general, occupancy of the existing building by students, faculty, staff, employees, and the public shall continue during construction period. Contractor shall confine his work to a limited area of the site; all as prearranged and approved with the Owner, and with their knowledge, and as prearranged and pre-approved by the Owner.

Electric, Plumbing, or Mechanical service disruption to any area of the building shall be restricted to a minimal time period and as prearranged with each area occupant, and the Owner.

Each area shall, with the help of School employees, relocate furniture, files, etc. to provide reasonable access to all areas of work as required by the Contractor.

Special provisions shall be prearranged with Owner and Architect so that work shall be confined so as not to disrupt the facility. The Owner shall notify the contractor of any scheduled events or special dates that would affect the work. Scheduling shall be discussed at the Pre-Construction Conference.

44. EXISTING FACILITY TO REMAIN IN USE DURING CONSTRUCTION

The Existing Facility will remain in use during the entire construction period. Contractors shall accommodate this, to an extent, as much as possible. If certain items related to the new construction, or any of the construction activity, will affect the operation of the existing facilities, the contractor shall notify an Owner's representative or the Architect as early as possible before the affected point in time the interruption will occur.

Phasing of the Project is addressed in this specification section, and will be discussed at the Pre-Construction Meeting. Generally, Construction Phasing should be clarified before the Contractor begins work at the Site. The Contractor's Schedule shall be submitted to the Architect and Owner for prior approval.

Certain work by Contractor shall be performed in off-business hours, Holidays, or special times, as required to work at the project at times or in areas that do not affect the Owner's business operations.

45. ASBESTOS ALERT

This Contractor should encounter no asbestos, or asbestos products related with work on this Project.

If asbestos materials are encountered, the Architect shall be notified immediately and a licensed Asbestos Contractor shall be engaged to complete asbestos abatement procedures. The Owner may contract separately with the Asbestos Contractor.

SUPPLEMENTARY INSTRUCTIONS TO CONTRACTORS

1. PROTECTIVE PRECAUTIONS

The Bidder, upon receiving contract acceptance, shall be able to proceed with work immediately after the published start date, subject to the following condition.

- A. Submit, discuss and obtain approval of the proposed schedule of work from the Owner and the Architect.
- B. Every precaution must be taken to prevent any damage, loss or injury to any person, or to any property of the Owner.
- C. All utilities on the properties shall be kept in proper operating condition at all times. Should there be a need to temporarily disconnect any systems, the Contractor shall notify (in writing) the following entities, when the existing system is going to be inoperative, and that the building will be without a particular service for a period not to exceed one (1) day. Give a minimum of two days notice to Owner.
 - 1. Owner
 - 2. Architect
 - 3. The Fire Department
 - 4. Any other entity or department appropriate or responsible for a specific service.
- D. The same notification shall be provided by the Contractor if any of the other utilities will be temporarily inoperative.
- E. It is mandatory that the fire lanes be kept free of any obstructions at all times, unless otherwise authorized by the Owner and the Fire Department.
- F. Parking for construction workers will be in areas as discussed with and designated by Owner, and must be strictly adhered to.
- G. All fire alarm, security alarm, any other type of protection system and supervisory alarm MUST BE operable at all times when the buildings are occupied or could be occupied. If one of the systems is down, the Owner, Architect, Fire Department, and any other entity or department appropriate or responsible for a specified service must be notified. The Contractor is responsible for monitoring and maintaining these systems be operable and in safe condition at all times.

2. ASBESTOS/HAZARDOUS MATERIAL

No forms or types of asbestos or asbestos-containing products are permitted in this building project. By submitting a proposal of this project, the prime contractors and subcontractors, suppliers, etc. guarantee that no asbestos-containing products are being included.

In accordance with 40CFR part 763 which pertains to Asbestos Containing Materials and the Hazard Communication Standard (HCS) 29 CFR 1910.1200 notification is hereby given that asbestos containing materials and/or chemicals exist within the Warsaw Public School District buildings which you and/or your employees must be made aware.

Owner will meet the HCS and requirements for notification of short term workers by posting a notice on entrance doors of its buildings which will advise contractors, repair persons, installers, delivery persons, vendors and visitors to register in the Main Office where both the Asbestos Management Plan and Material Safety Data Sheets (MSDS) for chemicals can be viewed.

Further advises that any hazardous chemicals which you plan to bring into the School District Buildings during the performance of your work must be disclosed to Owner before bringing them upon the premises. This may be accomplished by either calling the information contained on the MSDS for the project to the office of the Superintendent of Schools, 217-936-2111.

Contractor will comply with all OSHA requirements, specifically including but not limited to the Hazard Communication Standard 29 CFR 1910.1200, Control of Hazardous Energy Standard 29 CFR 1910.146, and Combined Space Entry 29 CFR 1910.146.

3. CERTIFICATION OF COMPLIANCE WITH ARTICLE 33E
OF THE CRIMINAL CODE OF 1961

By signing and submitting the Bid Form to the Owner, the Bidder certifies that the Bidder is not barred from bidding on the contract as a result of a conviction for either bid-rigging or bid rotating under Articles 33E of the Criminal Code of 1961.

4. PUBLIC CONTRACTORS - WRITTEN SEXUAL HARASSMENT POLICY

Public Act 87-1257, effective July 1, 1993, amends the Illinois Human Rights Act (Section 2-105) by requiring that every party to a public contract and every eligible bidder shall have a written sexual harassment policy that shall include, at a minimum, the following information.

- (i) the illegality of sexual harassment;
- (ii) the definition of sexual harassment under state law;
- (iii) a description of sexual harassment, utilizing examples;
- (iv) the contractor's internal complaint process including penalties;
- (v) the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Human Rights Commission;
- (vi) direction on how to contact the Department and Commission; and

- (vii) protection against retaliation as provided by Section 6-101 of the Human Rights Act

Finally, the Bidder must provide a copy of such written policy to the Department of Human Rights upon request.

5. Owner's designated contact person on this project will be Mike Barry, 217-936-2111.

6. INSURANCE REQUIREMENTS

The contractor awarded this project will be required to provide and maintain, in effect for the entire term of this project, the following insurance policies with at least the listed minimum limits. Certificates of insurance for each of these listed policies must be supplied to the architect prior to any contract being effective.

This article modifies the General Conditions Articles but does not replace those articles.

- A. Builder's Risk - The contractor shall purchase Builder's Risk insurance for 100% of the project value. Additionally, the contractor shall include "Collapse Coverage" for 100% of the project value as part of the Builder's Risk policy.
- B. Comprehensive General Liability - including: a) Premises-Operations, b) Contractual ("Hold Harmless" Agreement), c) Independent Contractors, d) Products and completed operations.
 - \$1,000,000 Combined Single Limit
 - \$5,000,000 general Aggregate Limit
 - \$1,000,000 Personal Injury Limit
 - \$1,000,000 Personal Injury Limit
 - \$1,000,000 Each Occurrence
 - \$ 100,000 Fire Damage
 - \$ 5,000 Medical Expense
- C. Comprehensive Automobile Liability - including a) Owned Vehicles, b) Non-owned Vehicles, c) Hired Vehicles: \$1,000,000 Combined Single Limit.
- D. Workmen's Compensation, Including Occupational Disease - Limits: (Statutory)
- E. Owner's Protective Liability Insurance - in an amount of \$1,000,000 Combined Single Limit. The Protective Liability policy shall name the Owner as the insured and shall also include the Architect as an additional insured.

SPECIAL INSTRUCTIONS

Please be advised that in accordance with 40 CFR part 763 which pertains to Asbestos Containing Materials and the Hazard Communication Standard (HCS) 29 CFR 1910.1200 notification is hereby given that asbestos containing materials and/or chemical sexist within Mendon Public School District buildings which you and/or your employees must be made aware.

The Mendon Community Unit School District #4 will meet the HCS and requirements for notification of short term workers by posting a notice on entrance doors of its buildings which will advise contractors, repair persons, installers, delivery persons, vendors and visitors to register in the Main Office where both the Asbestos Management Plan and Material Safety Data Sheets (MSDS) for chemicals can be viewed.

The Mendon Community Unit School District #4 further advises that any hazardous chemicals which you plan to bring into the School District Buildings during the performance of your work must be disclosed to the School District before bringing them upon the premises. This may be accomplished by either calling the information contained on the MSDS for that product to the Office of the Superintendent by calling 217-936-2111.

Please advise your staff concerning this information. Thank you for your assistance.

Respectfully,

MENDON C.U.S.D. #4
MENDON, ADAMS COUNTY, ILLINOIS

TO: ALL CONTRACTORS, SHORT-TERM WORKERS,
EXTERMINATORS, SAFETY EQUIPMENT INSPECTORS,
UTILITY WORKERS AND OTHER PERSON(S) WHO MAY BE
CONTRACTED OR OTHERWISE HIRED TO PERFORM WORK OR
SERVICES AT ANY OF THE MENDON CUSD #4 PUBLIC SCHOOL
BUILDINGS, ADMINISTRATIVE OFFICES, OR MAINTENANCE
BUILDINGS.

RE: ASBESTOS CONTAINING MATERIALS LOCATIONS

DATE: 3/30/2019

FROM: MENDON COMMUNITY UNIT SCHOOL DISTRICT NO. 4

PLEASE BE ADVISED THAT THE FOLLOWING BUILDINGS CONTAIN
ASBESTOS CONTAINING MATERIALS:

MENDON SCHOOL COMPLEX: HIGH SCHOOL,

PURSUANT TO REGULATIONS SET FORTH BY THE ILLINOIS
DEPARTMENT OF PUBLIC HEALTH, YOU ARE HEREBY NOTIFIED THAT ALL
WORKERS AND/OR SERVICE PERSONNEL MUST CONSULT THE ASBESTOS
MANAGEMENT PLAN ON FILE IN THE OFFICE OF EACH BUILDING LISTED
ABOVE, PRIOR TO ANY WORK BEING PERFORMED TO DETERMINE IF
ASBESTOS IS LOCATED IN THE AREA THEY WILL BE WORKING.
CONTRACTORS MUST REVIEW THE ASBESTOS MANAGEMENT PLAN AT
LEAST ONCE EACH YEAR, AT EACH SITE THEY INTEND TO PERFORM
SERVICES OR WORK AT. THE SUPPLEMENTAL LOG SHEET FOUND IN THE
ASBESTOS MANAGEMENT PLAN MANUAL MUST THEN BE SIGNED. ALL
WORKERS ARE REQUIRED TO BE INFORMED OF THE PRESENCE OF
ASBESTOS CONTAINING MATERIALS PRIOR TO WORK BEING PERFORMED
AT THE ABOVE LOCATIONS.

ADDITIONAL INFORMATION CONCERNING THE ASBESTOS
MANAGEMENT PLANS ON FILE MAY BE OBTAINED BY CONTACTING
SCOTT RIDDLE: 217-936-2111.

NOTICE

**Information and access to this building after
business hours may be obtained by calling**

**Visitors, Contractors, Repair Persons, Installers,
Delivery Persons and Vendors intending to visit
Or perform work within this building are
required to first register in the Main Office
for information concerning:**

**ASBESTOS CONTAINING MATERIAL
40 CFR Part 763**

AND

**MATERIAL SAFETY DATA SHEETS
RELATING TO CHEMICALS COVERED BY
THE HAZARD COMMUNICATION STANDARD
29 CFR 1910.1200**

NO SMOKING Permitted in Building or on Grounds.

NO TRESPASSING in Building or on Grounds.

Between 11:00 P.M. – 6:00 A.M. daily.

GENERAL CONDITIONS

1. "PROJECT" DEFINED

The word "Project" shall be held to mean the work required and as illustrated by means of the various Contract Documents prepared by the Architect.

2. "CONTRACT DOCUMENTS" DEFINED

The term "Contract Documents" shall be held to mean the various materials prepared by the Architect to illustrate and set forth the requirements of this Project and shall include Advertisement for Bids, Instructions to Contractors, General Conditions, Specifications, Drawings, Addenda, and Change Orders. The Contract Documents will be the basis on which all bids, or proposals, shall be made and no bid or proposal will be entertained by the Owner unless based on the Contract Documents.

3. "OWNER" DEFINED

The word "Owner" shall be held to mean the person or persons named in the Contract Documents.

4. "ARCHITECT" DEFINED

The term "Architect" shall be held to mean ARCHITECHNICS, INC., 510 Maine Street, Quincy, Illinois.

5. "CONTRACTOR, SUB-CONTRACTOR" DEFINED

The word "Contractor" shall be held to mean a person or persons contracting directly with the Owner for work in connection with construction of the Project. A "subcontractor" is held to mean a person, or persons, engaged by a Contractor to perform work on the Project through the means of an Agreement directly with such Contractor, and not with the Owner himself. The single masculine gender is used herein in reference to the term "Contractor" to denote any, or all contractors performing work in connection with this Project; also, any reference to "Contractor" implies the inclusion of all his subcontractors (if any) as well.

Where specific reference to a Contractor is made by the words, "Building Contractor", "Plumbing Contractor", "Mechanical Contractor", "Electrical Contractor", it shall refer to the Contractor's work as outlined in the Index of the Specifications.

6. "CONTRACT" DEFINED

The word "Contract" shall be held to mean the Agreement between the Owner and a Contractor providing for the latter's work in connection with the construction of the Project. Such Agreement will take into account and be based on the Contract Documents.

7. BIDS OR PROPOSALS

All Bids or Proposals made to the Owner for the construction of this Project shall be made in duplicate on the forms provided by the Architect. All information requested on the form shall be fully completed by the Contractor.

The fact that a Contractor submits a Bid or Proposal to the Owner shall be held to indicate that such Contractor agrees to perform the work on the Project in full accord with the Contract Documents.

8. OWNER'S RIGHT RESERVED

It is to be understood that the Owner reserves the right to reject any or all Bids or Proposals received, and the right to award a contract to other than the lowest bidder.

9. MODIFICATIONS, CHANGES

The Owner has the right to alter, modify, or otherwise change in any way any portion of or any material used on this project in any manner that the Owner may find advisable to do so. In such event, the Contract shall in no case be invalidated or voided by such changing of the work, but rather will be merely adjusted in amount to reflect the changes made. The cost of such changes will appear and, in such instances, shall be fairly determined in a manner agreed upon, such as: (a) by the Contractor; (b) by computation using the unit prices quoted in Contractor's Bid or Proposal, or as named in Contract; (c) by Contractor's actual cost, plus an agreed-upon amount to provide for his overhead and profit.

No change in any material or alteration of design will be performed by the Contractor without first securing a written Change Order, duly signed by the Owner. No claim for extra work performed will be allowed unless substantiated by such signed Change Order.

10. BUILDING PERMITS, PUBLIC ORDINANCES, INSPECTIONS

If a Building Permit is required for this Project, it shall be the duty of the Owner to provide it before actual work is commenced on the building site.

The Contractor shall be held liable for any and all violations of Public Ordinances arising from his work on this Project, and he shall hold the Owner harmless from any and all actions that may arise as a result of such violations.

The Contractor shall be required to arrange and pay for all such inspections that may be required by Public Ordinances, and all such costs incurred are to be included in the amount of the Contractor's Bid or Proposal.

11. INSURANCE CARRIED BY THE CONTRACTOR

The Contractor will be required to provide and maintain, in effect for the term of the Project, the following insurance policies with the minimum limits as indicated:

Comprehensive Automobile Liability - including; (a) Owned Vehicles, (b) Non-Owned Vehicles; (c) Hired Vehicles: \$500,000 Combined Single Limit.

Comprehensive General Liability - including; (a) Premises-Operations, (b) Contractual ("Hold Harmless" Agreement), (c) Independent Contractors, (d) products, (e) XCU, (f) Coverage for operations in the State of Illinois under the Structural Work Act, Illinois revised Statutes, commonly referred to as the Illinois "Scaffold Act"; \$1,000,000 Combined Single Limit.

Workmen's Compensation, Including Occupational Disease - Limits: (Statutory)

Employer's Liability - \$500,000

Owner's Protection - including Bodily Injury limits of \$1,000,000 Combined Single Limit. The Protective Liability policy shall name the Owner as the insured and shall also include the Architect as an additional insured.

Umbrella or Excess of Loss Coverage - If the limits specified above are not met, and Umbrella or Excess Liability policy of not less than \$1,000,000 for any one occurrence and subject to the same aggregate over the Comprehensive Automobile Liability, Comprehensive General Liability, Employer's Liability, and Owner's Protective Liability coverages is acceptable.

(*Bodily Injury includes Accidental Death)

11. INSURANCE CARRIED BY THE CONTRACTOR - Continued

Prior to commencing actual work on the Project, the Owner will be furnished with a signed Certificate of Insurance showing coverage for this project in the name of the Contractor for the required insurance. Ten (10) days written notice will be provided the Owner by the carrier prior to any change, expiration, or cancellation of the required coverage.

12. INSURANCE CARRIED BY THE OWNER

The Owner shall secure and pay for a FIRE, EXTENDED COVERAGE, VANDALISM AND MALICIOUS MISCHIEF INSURANCE Policy for this Project, placing such policy in force as soon as there is an insurable interest in the Project. This Policy shall be written on what is termed a "Builder's Risk, Completed Value" form, and shall provide coverage for all labor and material intended for use on this Project that are either already installed to place or in storage on the job site or its environs. The policy shall be written in an amount equal to 100% of the total sum of all contracts and coverage shall include, but not be limited to, Fire and Extended Coverage and Vandalism and Malicious Mischief. The policy shall be in the name of the Owner and the Contractor, as their respective interests may appear.

13. INDEMNIFICATION

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner and the Architect and their agents and employees from and against all claims, damages, losses and expenses from and against all claims, damages, losses and expenses including, but not limited to, attorneys' fees arising out of, or resulting from, the performance of the work, provided that any such claim, damage loss or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to, or destruction of, tangible property (other than the work itself) including the loss of use resulting therefrom, and (b) is caused in whole, or in part, by any negligent act or omission of the Contractor, any subcontractor, anyone directly, or indirectly, employed by any of them or anyone whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of indemnity which could otherwise exist as to any party or person described in this Paragraph 13.

In any and all claims against the Owner or the Architect, or any of their agents or employees by any employee of the Contractor, or any subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any subcontractor under workmen compensation acts, disability benefit acts or other employee benefit acts.

13. INDEMNIFICATION - Continued

The obligations of the Contractor under this paragraph shall not extend to the liability of the Architect, his agents or employees arising out of (a) the preparation or approval of maps, drawings, opinions, reports, surveys, Change Orders, designs or specifications; or (b) the giving of, or the failure to give directions or instructions, by the Architect, his agents or employees provided such giving, or failure to give, is the primary cause of the injury or damage.

14. SCHEDULE OF VALUES

Prior to the first payment request, the Contractor will submit to the Architect a schedule of values of the main branches of the work, totaling the amount of the Contract. Each item in the schedule will include its proper share of overhead and profit. This schedule, when approved by the Architect, shall be used only as a basis for the Contractor's request for Progress Payments.

15. PAYMENTS TO CONTRACTORS

Progress Payments to the Contractor during construction will be made by the Owner on a monthly basis, following application by the Contractor and when certified by the Architect as herein provided for. Such requests will be made to the Architect in duplicate on the application forms provided by the Architect, or similar acceptable forms. The application shall indicate the individual item and amount for which payment is requested by means of the above Schedule of Values.

Applications are to be made for 90% of the value of materials, equipment, supplies, labor, and services actually incorporated in the work or materials, equipment, and supplies suitably stored at the site or, when due to lack of adequate suitable on-site storage facilities, stored in designated acceptable off-site locations for which the Contractor must provide adequate insurance to protect the Owner's interest therein.

The Architect will determine the amount to be properly due and will issue a Certificate of Payment to the Owner with copy to the Contractor; no payments will be made without such certification from the Architect.

No Certificate for progress payment, nor any progress payment, nor any partial or entire uses or occupancy of the Project by the Owner, shall constitute an acceptance of any work which is not in accordance with the Contract Documents or which may require correction for Final Acceptance by the Architect.

The 10% retained from each Progress Payment shall be withheld until satisfactory completion and Final Acceptance, at which time it is due and payable to the Contractor.

16. PAYMENTS BY CONTRACTOR, RELEASE OF CLAIMS

No materials or equipment for the Project shall be supplied by any Contractor or subcontractor subject to any chattel mortgage or under a conditional sale or other agreement by which an interest is retained by the seller. It is expected that the Contractor make periodic payments to subcontractors and all other suppliers of material and labor for which he himself requests Progress Payments, and furthermore, shall warrant that he has good title to all materials and supplies for which he accepts partial payment.

At any time during the progress of the work, the Owner shall have the right to request Waivers of Lien from the Contractors and his subcontractors and all other suppliers of materials and labor for which the Contractor has accepted partial payment.

The Final Payment shall not become due until the Contractor shall deliver to the Owner a complete release of all claims against the Owner, which may arise as a result of the Contractor's work on the Project, including claims of all subcontractors and all others who may have provided materials, equipment, supplies, labor, or services to the Project.

17. FINAL ACCEPTANCE AND GUARANTEE OF WORK

Final acceptance of the Project by the Owner will not be made until all items on the Architects "Punch List" are completed in a satisfactory manner acceptable to the Owner and the Architect. At this time, the Architect's certificate recommending Final Payment to the Contractor will be delivered to the Owner and is then due and payable.

Final acceptance of the work of the Contractor and final payment made to the Contractor will not relieve that Contractor of the responsibility of correcting faulty workmanship and materials or equipment found to be defective within a period of one year following date of the Architect's certificate recommending Final Payment to the Contractor.

All equipment and accessories shall be guaranteed for a period of twelve months after date of final acceptance against all defects in materials and workmanship, and that such equipment will produce the specified and required results. All such defective equipment found during the guarantee period will be removed and replaced at no additional cost.

18. HEATING DURING CONSTRUCTION

Unless otherwise stated, construction of the Project will continue to progress and not be shut down by cold or other inclement weather. Before the Project is enclosed as defined herein, each Contractor or Sub-contractor will be required to provide temporary coverings, enclosures, or other precautionary measures, including heating, to protect his work from the weather. The Project, or significant portion thereof, shall be considered to be "enclosed" when (1) the roof is on and watertight; (2) the exterior walls have been completed, or at least sufficiently completed, to enable any remaining openings to be closed with suitable temporary closures. After enclosure, as described above, heating for construction will be provided in accord with Fig. 1, Chart Showing the Division of Responsibility Among Contractors and subcontractors in Providing Heat for Construction Within Enclosed Project, and also as further required below.

All temporary enclosures will be subject to the approval of the Architect and will be in place when heat is required. The Architect shall be notified, in writing, at least twenty-one (21) days in advance, and shall approve of the intended steps to be taken to provide heating for construction. Temporary heating will not be of electric resistance type and will be subject to the Architect's approval. Such equipment shall not deposit soot, smudge, or other film or layer of unwanted material on walls, ceilings, floors, or other surfaces. Should such deposits result, they shall be removed at no expense to the Owner. Temporary equipment shall be vented to the outside, if necessary, to prevent the products of combustion from being discharged within, and adequate ventilation will be provided to prevent the accumulation of harmful gases in the heated working spaces. Fans shall be provided when necessary to provide for circulation to insure against isolated hot or cold spots, so as to result in a uniform effect for the proper drying or curing of all work throughout. The following minimum temperatures shall be achieved: 65 degrees F for painting, finish flooring, and mill work; 55 Degrees F for plastering; 45 Degrees F at all times.

Mechanical, electrical, and other connections made to heating equipment will be of suitable materials, protected, when necessary, from possible damage by construction operation. Entire system must be safe and reliable, and not prejudice the Owner's Fire Insurance for the Project. If unreliability is experienced with the system, or if necessary for other precautionary reasons, night watchman service will be provided as necessary to fully insure safety and uninterrupted heating.

18. HEATING DURING CONSTRUCTION - Continued

If the permanent equipment has been used to provide heat for construction, the Mechanical Contractor or subcontractor will completely clean and recondition the equipment prior to Final Acceptance. All filters used shall be replaced, strainers cleaned, and valve seats and diaphragms checked and placed in first-class working order. All warranties and guarantees shall commence at Final Acceptance and the Owner will thereupon assume all expense of operating and maintaining the permanent equipment.

Permanent equipment will not be used for cooling purposes during construction.

19. PROTECTION OF STORED MATERIALS

The Contractor will be required to take precautionary measures to safeguard stored materials from damage from any cause whatsoever, but especially as the result of weather and construction operation. Materials will be supported above ground, padded or blocked apart to prevent contact, covered or enclosed, or otherwise protected to insure against damage as may be required or when instructed by the Architect.

20. REPAIR OF DAMAGED WORK

The Contractor will be required to take precautionary measures to protect the work against damage of any sort. When it becomes necessary to repair or replace damaged work, the Contractor shall make such repair or replacement. The Contractor who inflicts damage on his own work shall repair or replace such work, but in the event that the Contractor inflicts damage to the work of any other, the Contractor causing said damage to the work will assume the costs of repair or replacement of the inflicting damage to the work of the other. If the responsibility for inflicting damage cannot be agreed to, the costs of repair or replacement will be borne by the Contractors working on the Project at the time the damage was found to have been inflicted, but in no case, shall the Owner be required to pay for repair or replacement of damage to work that is inflicted by the Contractor.

21. PROTECTION OF SITE AND ADJOINING PROPERTIES

The Contractor shall be required to take the necessary precautionary measures to insure the protection of the building site and the adjoining properties from damage of any kind, resulting from work on this Project. All costs of such precautionary measures, as well as the costs incurred in repair or replacement of damage inflicted, will be borne by the Contractor as a part of his work on this Project.

22. SAFETY PRECAUTIONS

The Contractor shall take all reasonable precautions to provide for the safety of his personnel while engaged in the work of this Project, and for the safety of all other persons who may be affected by construction operations at the Project site.

The Contractor will determine and comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property, or to protect them from damage, injury or loss. He shall erect and maintain, as required by existing conditions and progress of the work, all reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying Owners and users or adjacent utilities.

To the above end, the Contractor shall institute and carry out a safety program for the prevention of accidents during the course of his work on this Project.

23. CONSTRUCTION PROCEDURES, ETC.

The Contractor shall be responsible for establishing construction procedures, and he will devise and employ suitable means, methods, and construction techniques as may be required or necessary to safely and effectively accomplish his work on this Project. He will be solely responsible for the safety of ladders, stages, scaffolds, runways, planks, and other work platforms of portable nature or constructed to facilitate the performance of his work. He shall not permit such work facilities to be excessively loaded with materials and equipment or otherwise overloaded so as to endanger the safety of such facilities. The Contractor will be responsible for the safety of temporary shoring, bracing, underpinning, forming, and all other such procedures which he may be required to employ in the performance of his work on the Project. The Contractor shall not load or permit any part of the Project itself to be loaded so as to endanger its safety; and he shall take special precautions to prevent overloading floors and roofs due to excessive weights of stored materials.

24. CONSTRUCTION REVIEW BY THE ARCHITECT

The Architect shall have access at any time to the Project site in order that he can periodically review the work of the Contractor to determine, in general, if the Project is proceeding in accord with the Contract Documents. The Architect is not obligated to make exhaustive or continuous on-site inspections, and he will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions in connection with the work. During the period of actual construction, the Architect's obligation to the Owner is to see that the result of the Contractor's work brings about a Project that complies with the Contract Documents.

25. CORRECTION OF FAULTY WORK

The Contractor will promptly correct all work rejected by the Architect as defective or failing to conform to the Contract Documents, whether observed before or after substantial completion, and whether or not fabricated, installed, or completed. The Contractor shall bear all costs of correcting such faulty work.

26. WATER, SNOW AND ICE REMOVAL

The Contractor shall prevent the accumulation of water, snow, or ice that might interfere with the conduct of this work on the Project and shall remove same whenever required, or as directed by the Architect. The costs of so doing shall be borne by the Contractor or as part of his work on this Project.

27. REMOVAL OF RUBBISH

The Project shall be kept free from undue accumulation of rubbish and debris resulting from construction and shall be maintained in an orderly, reasonably clean condition and appearance at all times. The Contractor will be required to move from the jobsite all such rubbish and debris, resulting from his work on this Project, as a part of his work on the Project.

Upon completion of the work, the Project will be left in an absolutely clean condition, to the satisfaction of the Owner and the Architect.

28. APPLICABLE TAXES

The Bid or Proposal made to the Owner by a Contractor shall include the amounts of all applicable taxes imposed by Municipal, State, or Federal Governments.

29. PROGRESS OF WORK

It is the intent of these specifications to require that the construction work on this Project be pursued by the Contractor without unnecessary lag or delay and, to this end, it shall be required that full-time, full-scale operations be maintained at all times.

30. PRODUCTS AND MANUFACTURERS NOT NAMED

Products and manufacturers not named or specified herein may be considered upon request in writing to the Architect at least seven (7) days prior to receipt of Bids. Products and manufacturers not specifically named, or specified by Addenda will not be considered for use on this Project.

31. CONFLICTING INFORMATION INSTRUCTION

Wherever, on the accompanying Architect's drawings, conflicting information is found to exist between scale and dimension, drawing and wording, etc., the following rules will apply:

- a) Printed dimensions will take preference over scaled dimensions on all drawings and details.
- b) Scaled details are to take preference over conflicting information contained on general drawings, such as floor plans.
- c) Large scale details will take preference over conflicting information indicated on smaller scaled details.
- d) Printed notations and other descriptive writing will take preference over conflicting information indicated by drawings.

32. COOPERATION ON PROJECT

All Contractors, subcontractors, and their employees will be required to cooperate, each with all others, to insure an orderly progress of the Project and to make certain beforehand that the work of each trade will correlate and fit with that of others. Each trade is, therefore, instructed to install its own work in full knowledge of all others affected, in order that such work fits and relates to the whole in the manner intended.

No trade shall assume the right to cover-up or pass-by correlated work required of another, nor shall any trade preempt space and convenient locations for its own work without regard to the others. It is to be clearly understood that work already installed by one trade that is found to conflict with or prevent the installations of others will be required to be changed to accommodate the remaining installations.

33. CONSTRUCTION LIGHT AND POWER

The Electrical Contractor shall, as a part of his work on this Project, provide and maintain a 120/208V or 120/240V, 1 phase, 60 Hz temporary electric service for construction light and power, consisting of (a) 20A lighting circuits, (b) 20A, 120V "GFCI" protected receptacle circuits, and (c) 20A power circuits installed on each level of building construction.

Lighting circuits shall consist of 100W incandescent weatherproof lamp sockets, located at sufficient intervals and locations to provide the minimum levels of illumination, as required by applicable regulations, codes, or ordinances.

33. CONSTRUCTION LIGHT AND POWER - Continued

Receptacle circuits shall consist of grounding type duplex receptacles installed at maximum 50' intervals, 5000 s.f. per receptacle, with a maximum of six (6) receptacles per circuit.

Power circuits shall consist of combination 120/240V or 120/208V grounding type receptacles installed at a minimum of one (1) per level or maximum 100' intervals, 10,000 s.f. per receptacle, with maximum of four (4) receptacles per circuit.

The maximum size motor to be used by any contractor shall be limited to 1 HP.

The Building Construction Contractor, or General Contractor, shall furnish, install and maintain minimum incandescent lamps for all lamp sockets described above. All Contractors or subcontractors shall provide their own extension cords as they may require.

Any Contractor or subcontractor requiring service characteristics, capacity, quantity, location, or higher levels of illumination, other than described above, shall provide such service, lamps, and additional equipment at his own expense.

Electrical energy used during construction shall be furnished by the Owner.

34. WATER DURING CONSTRUCTION

Unless already available on the site, the Plumbing Contractor or subcontractor will be required to provide a metered 1" IPS temporary cold water supply at convenient location for the use of all contractors and subcontractors for purposes of construction until such time as water can be supplied through the permanent piping system. Supply shall terminate above ground, convenient for use, and equipped with a valved, hose-end type connection. Measures shall be provided to prevent freezing. Each Contractor and subcontractor will provide, protect, and maintain hoses as may be required for his own use.

The Owner will pay for all water used for construction purposes at the site.

35. JOB SUPERINTENDENT, FOREMAN

The Building Construction Contractor, or General Contractor, shall employ a competent Job Superintendent to have charge of his work on the Project whenever the Building Construction Contract exceeds \$100,000, or a General Contract exceeds \$150,000; such employee to be in full-time attendance at the site during the entire progress of the work. For projects of lesser amount, an experienced Journeyman Foreman may be in charge.

Contractors and subcontractors for Plumbing, Mechanical and electrical work shall employ at least an experienced Journeyman Foreman to be in charge of their work on the Project.

Superintendent and Foremen are to be designated by their employer to the Architect, along with a resume of experience and other supportive information, if requested. The Superintendent shall represent the Contractor and all communications given to the Superintendent shall be as binding as if given to the Contractor.

36. OFFICE AT SITE

Unless otherwise stated, the Building Construction Contractor, or General Contractor, will be required to provide and maintain a suitable field office at the site from the time work is started until the Project is completed. Such office shall be provided with heat, electric, lighting, and a job telephone. The cost of heating the office and the telephone service will be borne by the responsible Contractor.

One copy of the Architect's plans, specifications, and other Project Documents, as well as approved manufacturer's shop drawings, must be kept on file in the office for reference use by the Architect. Office furnishings may be as required or desired by the Contractor, but must at least contain a large plan table for drawing reference use.

37. AMERICANS WITH DISABILITIES ACT (A.D.A.)

Architechnics, Inc., to the best of its ability, has exercised professional efforts to interpret the intent of the "Americans with Disabilities Act" (A.D.A.), and other applicable Federal, State and Local Codes and requirements. Architechnics, Inc. cannot guarantee total compliance with any work directly related to the A.D.A., when the Owner performs and/or authorizes work using these documents and/or drawings.

**38. CONSTRUCTION ACCESS, NEW, EXISTING OPENINGS,
CLOSURE OF OPENINGS**

Contractor, for the Base Bid Category shall provide required openings for all Contractors, in existing masonry, concrete, wood, and/or other walls and floors for either access to concealed wiring, devices, piping, etc. or for installation of new construction; including floor and wall openings for individual runs of piping or conduit, plumbing fixture openings, and/or mechanical system openings, unless otherwise indicated on the drawings and/or specifications. If not covered or addressed on the drawings or specifications, this Article applies.

Contractor for Base Bid Category work shall provide required openings in roof for new construction, devices, or equipment.

Contractor for Base Bid Category work shall close all abandoned floor, wall, and roof openings resulting from remodeling or new construction work performed by all contractors.

39. ASBESTOS ALERT

This Contractor should encounter no asbestos, or asbestos products related with work on this project.

If asbestos materials are encountered, the Architect shall be notified immediately and a licensed Asbestos Contractor shall be engaged to complete asbestos abatement procedures. The Owner may contract separately with the Asbestos Contractor.

40. LEAD BASED PAINT INSPECTION, TESTING, AND ABATEMENT

Lead Based paint inspection, testing, and abatement has not been performed on this project site. The Contractor and Owner shall determine if lead-based paint inspection, testing, and abatement is required on this project. The inspection shall be performed by a certified Industrial Hygienist and an Illinois Department of Public Health licensed Lead Inspector/Risk Assessor, following the protocol outlined in the 1997 Chapter 7 revision of the HUD guidelines for Evaluation of Lead-Based Paint, June 1995.

A copy of the findings should be disclosed and/or made available for review by all occupants of the space (pre-construction, and post-construction). The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords, Owners, (lessors) and Sellers are also required to distribute an educational pamphlet and include standard warning language in their leases, sales contracts, or posted for construction activity to ensure that information for protection from lead-based paint hazards are available.

40. LEAD BASED PAINT INSPECTION, TESTING, AND ABATEMENT - Continued

If necessary, the Contractor and Owner should also establish a site specific operations and maintenance (O & M) program to address procedures for dealing with LBP and lead hazards that may be impacted by construction, maintenance, and custodial staff on a regular basis, during routine operations, or at a one-time event.

Architechnics, Inc. cannot assume responsibility or liability of any of the existing construction, including the existence of lead-based paint in or on the Owner's property.

Architechnics, Inc. cannot assume any responsibility or be held liable for the claims, reports, or content of any lead-based paint inspection, testing and abatement at this project site.

41. OPERATION AND MAINTENANCE DATA

To aid the continued instruction of operating and maintenance personnel, and to provide a positive source of information regarding the products incorporated into the Work, furnish and deliver the data described in this Section and in pertinent other Sections of these Specifications.

Provide front and back covers for each Manual, using durable material approved by the Architect, and clearly identified on or through the cover with at least the following information:

- a. Complete nomenclature of all parts of all equipment.
- b. Complete nomenclature and part number of all replaceable parts, name and address of nearest vendor, and all other data pertinent to procurement procedures.
- c. Copy of all guarantees and warranties issued.
- d. Manufacturers' bulletins, cuts, and descriptive data, where pertinent, clearly indicating the precise items included in this installation and deleting, or otherwise clearly indicating, all manufacturers' data with which this installation is not concerned.
- e. Such other data as required in pertinent Sections of these Specifications.

This Section contemplates written, descriptive, narrative to completely describe the operating and maintenance instructions for all equipment and systems provided for this Contract.

Accumulation and binding of shop drawings, catalog cuts, manufacturer's literature, etc. will be required.

67. EQUAL EMPLOYMENT OPPORTUNITY

67.1 Compliance with the Illinois Human Rights Act:

During the performance of this contract, the Contractor shall comply in all respects with the Illinois Human Rights Act cited in Article 39 of the General Conditions and the Illinois Department of Human Rights' Rules and Regulations for Public Contracts including, but not limited to the following provisions:

- A. Affirmative Action and Nondiscrimination: The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap unrelated to ability, or unfavorable discharge from the military service (excluding dishonorable). The Contractor shall examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- B. Recruiting and Hiring: The Contractor, when hiring additional employees in order to perform this contract or any portion thereof, will determine the availability, in accordance with the Illinois Department of Human Rights' Rules and Regulations for Public Contracts, of minorities and women in the localities from which they may reasonably be recruited and will hire for each job classification for which employees are being hired in such a way that minorities and women are not underutilized.
- C. Employment Advertisements: The Contractor, in all solicitations or advertisements for employees, will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap unrelated to ability, or unfavorable discharge from military service (excluding dishonorable).
- D. Notification of Labor Organizations: The Contractor will send to each labor organization or representative of workers with which the Contractor has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractors obligation under the Illinois Human Rights Act and the Illinois Department of Human Rights' Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the Contractors Efforts to comply with such act, rules, and regulations, the Contractor will promptly notify said department and the Owner. The Contractor will recruit employees from other sources, when necessary, to comply with the Act.

- E. Manpower Utilization Reports: The Contractor will submit all reports required by the Illinois Department of Human Rights' Rules and Regulations for Public Contracts and shall furnish all relevant information as may from time to time be requested by the Department or the Owner.
- F. Accessibility of Employment Records: The Contractor will permit access to all relevant books, records, and accounts and work sites by personnel of the Owner and the Illinois Department of Human Rights for the purpose of investigation to ascertain compliance with the Illinois Human Rights Act and Department's Rules and Regulations for Public Contracts.
- G. Subcontract Requirements: The Contractor shall include verbatim or by reference the provisions of this article and the equal employment opportunity clause set forth in Section 6.1 of the Illinois Department of Human Rights' Rules and Regulations for Public Contracts as a material term in every subcontract and purchase order, so that such provisions will be binding upon every such Subcontractor or supplier.

67.2 Compliance with Federal Requirements: The Contractor shall comply with all provisions of federal Executive Orders 11246 (dated September 24, 1965) and 11375 (dated October 17, 1967), as amended, and shall comply with the rules, regulations and relevant orders of the U.S. Secretary of Labor, including the following:

- A. The Contractor and all Subcontractors employed by the Contractor in connection with the contract shall develop and implement a written affirmative action plan which complies with all State and Federal laws and regulations.
- B. The Contractor shall not discriminate against any employee or applicant for employment who is a disabled or a Viet Nam era veteran, in addition to those listed in paragraph 67.1A.

67.3 Responsibility for Subcontractors' Compliance: The Contractor shall be responsible for compliance with applicable provisions of this article by all Subcontractors employed by the Contractor in connection with this contract and will promptly notify both the Owner and Illinois Department of Human Rights in the event any Subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any Subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of the political subdivisions or municipal corporations.

67.4 Penalties for Noncompliance: In the event of the Contractor's noncompliance with any provision of this Equal Employment Opportunity article, the Illinois Human Rights and Regulations for Public Contracts of the federal requirements listed in paragraph 67.2 of this article, the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations. In addition, this contract may be cancelled or voided in whole or in part and such other sanctions, penalties, or remedies may be imposed as provided by statute or regulation.

PREVAILING WAGES

The successful bidder and his subcontractors will be required to pay not less than the Prevailing Wage Rate for workmen engaged in work under this contract, with the provisions of an act of the General Assembly of the State of Illinois entitled "An Act Regulating the Wage of Laborers, Mechanics, and other workmen employed in any public works by the State, County, City or any Public Body, or any Political Subdivision or by anyone under contract for public works," by act approved July 11, 1957, as amended. Attached to and made part of these Contract Documents is the current prevailing wage rate decision that will govern during the proposed work, and includes hourly rates, overtime rates, and all required fringe benefit rates.

The successful bidder and his subcontractors will be required to conform to provisions of Chapter 48, Illinois Revised Statutes, Paragraphs 2201 through 2207 "Employment of Illinois Workers on Public Works Projects" for workmen engaged in work under this contract.

It shall be the responsibility of the Contractor and any subcontractors to allow the Mendon CUSD #4, the Illinois Department of Labor, and any authorized representative of any government agency involved in the funding of this project, access to and the right to examine all records, books, papers, payrolls, or documents related to this construction project. This right shall extend from the time of execution of the contract through the entire time period of the work, and ending three (3) years after the final pay estimate is disbursed.

Certified payroll records shall be submitted on a monthly basis to the public body in charge of the construction project, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the contractor is aware that filing records he or she knows to be false is a Class B misdemeanor.

If the Illinois Department of Labor revises during the term of this contract the prevailing rate of hourly wages to be paid in the County of Adams, State of Illinois, the revised rate as provided by the Mendon Community Unit School District No. 4, to the Contractor, shall apply to this contract.

For the current Wage Rate Requirements, go to website:

<https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/prevailing-wage-rates.aspx>

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**SPECIAL PROVISIONS
FOR
EMPLOYMENT PRACTICES**

In addition to all other labor requirements set forth in this proposal and in the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation, during the performance of this contract, the contractor for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

I. SELECTION OF LABOR

The Contractor shall comply with all Illinois statutes pertaining to the selection of labor.

II. EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this contract, the contractor agrees as follows:

1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or unfavorable discharge from military service, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
2. That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
3. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap or unfavorable discharge from military service.

4. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly notify the Illinois Department of Human Rights and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligation thereunder.
5. That it will submit reports as required by the Department of Human Rights Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department of the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.
6. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Department of Human Rights for Purposes of Investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.
7. That it will include verbatim or by reference the provision of this clause in every subcontract so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

Check Appropriate Line
 _____ Contractor
 _____ Sub-contractor

Report for Month Ending

MONTHLY WORK RECORD

Project: _____

Name: _____

[illegible]

Certification Statement (Complete only on last page if more than one page required)
I hereby certify to the best of my knowledge that the above monthly work record lists all employees who performed work on the above stated project for the month indicated and represents a complete list with correct addresses.

Company's Name _____ Signature of Authorized Representative _____

SECTION 00860

DRAWINGS, SCHEDULES & DETAILS

INDEX OF DRAWINGS

- G1 COVER SHEET**
- G2 BLEACHER PLAN / GYMNASIUM FLOOR PLAN**
- A1 WEST WALL BLEACHER FLOOR PLAN**
- A2 WEST WALL BLEACHER TYPICAL SECTION**
- A3 WEST WALL BLEACHER FRONT ELEVATION**
- A4 EAST WALL BLEACHER FLOOR PLAN**
- A5 EAST WALL BLEACHER TYPICAL SECTION**
- A6 EAST WALL BLEACHER FRONT ELEVATION**

NOTE: PLAN SHEETS ARE INCLUDED IN THIS PROJECT MANUAL
BOOKLET

SECTION 01060

REGULATORY REQUIREMENTS

1. GENERAL

1.01. REQUIREMENTS INCLUDE

- A. Each Contractor comply with all laws, rules, and regulations governing the work.
 - 1. When Contractor observes that contract documents are at variance with specified codes, notify Architect/Engineer in writing immediately. Architect/Engineer will process changes in accord with General Conditions.
 - 2. When Contractor performs any work knowing or having reason to know that the work is contrary to such laws, rules and regulations and fails to so notify the Architect/Engineer, Contractor shall pay all costs arising therefrom. However, it will not be the Contractor's primary responsibility to make certain that the contract documents are in accord with such laws, rules and regulations.

1.02 DEFINITIONS & ABBREVIATIONS

A. Definitions:

- 1. Dates: Reference Codes, Regulations and Standards are the issue current at date of bidding documents unless otherwise specified,
- 2. Codes: Codes are rules, regulations or statutory requirements of government agencies.
- 3. Standards: Standards are requirements set by authorities, custom or general consent and established as accepted criteria.

B. Abbreviations:

- 1. ADA Americans with Disabilities Act.
- 2. AGCI Associated General Contractors in Illinois.
- 3. ANSI American National Standards Institute.
- 4. ASHRAE American Society of Heating, Refrigeration, and Air-Conditioning Engineers.
- 5. ASTM American Society for Testing and Materials.
- 6. CDB Capital Development Board.
- 7. CPSC Consumer Product Safety Commission (Federal)
- 8. DHEW Department Health Education & Welfare (Federal)
- 9. FED Federal Agencies.
- 10. FM Factory Mutual Engineering Corp.
- 11. IDOL Illinois Department of Labor.
- 12. IDOT Illinois Department of Transportation.
- 13. IEPA Illinois Environmental Protection Agency.
- 14. IDPR Illinois Department of Professional Regulation.
- 15. ISPE Illinois Society of Professional Engineers.
- 16. NFPA National Fire Protection Association.
- 17. IDPH Illinois Department of Public Health
- 18. OSFM Office of State Fire Marshal.

- 19. UL Underwriters Laboratories, Inc.
- 20. BOCA The BOCA National Building Code.
- 21. ISPC 1993 Illinois State Plumbing Code.
- 22. NEC 2002 National Electric Code
- 23. UL Underwriters Laboratories, Inc.

1.03 QUALITY ASSURANCE

- A. Architect/Engineer has designed the project with full knowledge of code requirements and has copies of all specified codes available for Contractor's inspection.
- B. Contractor:
 - 1. Ensure that copies of specified codes and standards are readily available to Contractor's personnel. Copies are available at Contractor's expense from source or publisher.
 - 2. Ensure that Contractor's personnel are familiar with workmanship and installation requirements of specified codes and standards.

1.04 REGULATORY REQUIREMENTS

- A. Source and requirements:
 - 1. FED:
 - a. CPSC: Architectural Glazing Materials, as amended 1981.
 - b. DHEW:
 - 1. Title V: Handicapped Accessibility.
 - c. ADA 1990.
 - 3. State of Illinois:
 - a. Illinois Steel Products Procurement Act, as amended (30 ILCS 565/1 et. seq.)
 - b. Illinois Purchasing Act, as amended (30 ILCS 505/1 et. seq.).
 - 4. IDOL: Safety Glazing Materials Act, as amended, with interpretive statement (430 ILCS 60/1 et. seq.).
 - 5. IDOT:
 - a. Standard Specifications for Road and Bridge construction, including all supplements, January 1, 1997. Except where otherwise specified.
 - 1. Change all references from "Engineer" to "Architect/Engineer".
 - 2. References to "Method of Measurement" and "Basis of Payment" do not apply.
 - 3. Manual on Uniform Traffic Control Devices for Streets and Highways, 1988, including 1990 supplement.
 - 6. IDPH:
 - a. Illinois State Plumbing Code, Amended 1998.
 - b. January 1989 Food Service Sanitation Code.
 - c. Lead Poisoning Prevention Act (Dwelling Units Only).
 - d. Illinois Asbestos Abatement Act (105 ILCS 105/1 et. seq.).

- e. Rules and Regulations for the Asbestos Abatement Act - Title 77, ch.I, subch. p. Part 855.
- 7. IDPR: Illinois Roofing Industry Licensing Act, as amended (225 ILCS 335/1 et.seq.).
- 8. IEPA (Current editions at date of bidding documents.)
 - a. Air Pollution Standards.
 - b. Noise Pollution Standards.
 - c. Water Pollution Standards
 - d. Public Water Supplies.
 - e. Solid Waste Standards
 - f. Illinois Recommended Standards for Sewage Work.
 - g. Hazardous Waste Crane and Hoisting Equipment Operators Licensing Act, 225 ILCS 220/1 et. seq.
 - h. Hazardous Waste Laborers Licensing Act, 225 ILCS 221/1 et. seq. Toxic Substance Control Act.
- 9. OSFM:
 - a. Boiler and Pressure Vessel Safety Act (430 ILCS 75/1 et. seq.).
 - b. Tactile identification on Certain Elevators (410 ILCS 30/1 et. seq.).
 - c. Installation of Elevators (430 ILCS 80/1 et. seq.)
 - d. Illinois Rules and Regulations for Fire Prevention and Safety, NFPA 101-1991 (new construction).
- 10. SOS:
 - a. Ramp on All New or Reconstructed Curbs for Persons Using Wheelchairs (65 ILCS 5/11-8-11).
- 11. STANDARDS:
 - a. AGCI/ISPE: Standard Specifications for Water and Sewer Main Construction in Illinois, Revised.
 - b. ANSI NO. A.17.1, American Standard Safety Code for Elevators, Dumbwaiters, Escalators and Moving Walks.
 - c. ANSI No. C-2, National Electrical Safety Code.
 - d. ASHRAE No. 62, Standard for Natural and Mechanical Ventilation.
 - e. ASHRAE No. 90.1-1989, Energy Conservation in New Building Design.
 - f. ASHRAE No. 15, Safety Code for Mechanical Refrigeration.
 - g. AWWA: Water and Sewer Main Construction
 - h. NFPA: National Fire Codes.
 - 1. No. 70-96, National Code.
- 12. LOCAL BUILDING CODE
 - a. National Building Code, current edition, BOCA
- B. The Architect/Engineer or Owner may reference other codes or standards throughout the Project Manual when deemed appropriate for proper compliance with regulatory requirements.

SECTION 01110

USE OF EXISTING SITE

1. GENERAL

- 1.01** The project will be constructed at an occupied building. This Section governs the Contractor's use of existing facilities. These requirements supplement the General Conditions and the other sections of the Project Manual.
- 1.02** The Owner / Using Agency will occupy a portion of the site; namely areas outside the contract limit lines; current college building and facilities, parking lots, drives, etc.

1.03 REQUIREMENTS INCLUDE

- A. Prime Contractor provide:
1. Scheduling.
 2. Security and site regulations.
 3. Temporary enclosures and barriers.
 4. Construction cleaning.
 5. Field offices.
 6. Storage.
 7. Close-out.

2. EXECUTION

2.01 SCHEDULING

- A. Construction activities shall occur at normal (regular) daily business hours and coordinated with school officials.

2.02 SECURITY AND SITE REGULATIONS

- A. Site rules and regulations take precedence over others that may exist outside such jurisdiction. Confer with the Owner's representative and obtain full knowledge of all site rules and regulations affecting work.
- B. Keep all vehicles, mechanized or motorized equipment locked at all times when parked and unattended.

- 2.03 ENTRANCES:** Contractor shall not restrict use of entrances, for construction purposes, to those identified for such use by the Owner's and as indicated on the Drawings. A separate temporary construction entrance will be used by all construction personnel and delivery vehicles during the entire construction period.

2.04 CONSTRUCTION AIDS: Except as noted, Prime Contractor provide and maintain construction aids and equipment for common use and to facilitate execution of the work.

2.05 TEMPORARY UTILITIES

- A. Using Agency will authorize use of existing facilities or services:
 - 1. Electrical Power Service.
 - 2. Water service.
- B. Make written arrangements with Using Agency's representative.
- C. Prevent interference with Using Agency's normal use of system.
- D. Modify, supplement and extend systems to meet temporary utility requirements for project, subject to approval of Architect/Engineer and Using Agency. Modifications shall be at contractors expense.
- E. Using Agency will pay all costs of consumables (except toll calls) used for construction purposes for utilities it furnishes.
- F. Contractor requiring facilities or services beyond those available from the User shall provide and pay for extension or modification of services at completion of work.

2.06 ACCESS ROADS & PARKING AREAS

- A. Designated on-site driveways will be designated for use by the contractor (exposed crushed stone aggregate base), and shall be used for construction traffic. Maintain existing construction. Any damage to existing construction (roadways, parking areas, etc.) will be responsibility of General Contractor for permanent repair and restoration.
- B. Parking areas will be designated for use by the contractor (exposed crushed stone aggregate base), and shall be used for parking of construction personnel's private vehicles and for contractors lightweight (not exceeding a B plate) vehicles. The new parking areas shall include designated locations for on-site construction trailer (if required), material storage and "lay-down" areas, etc.
- C. Maintain existing roads, and existing parking areas in a sound, clean condition. Restore to original condition upon completion prior to Final Acceptance.
- D. Control vehicular parking to avoid interference with school traffic or parking, public traffic or public parking, and access by emergency vehicles.

2.07 CONSTRUCTION CLEANING

- A. Each Contractor provide cleaning and disposal of waste materials, debris and rubbish during construction.
- B. General Contractor supervise and coordinate cleaning operations of all Assigned Contractors.
- C. Each Contractor provide covered containers for deposit of waste materials, debris, and rubbish.
- D. Clean User occupied areas daily.

2.08 FIELD OFFICES

- A. Make arrangements with User Agency Representative for use of Conference Room at existing campus for project meetings, if necessary. A separate field office will not be required.

- 2.09 STORAGE:** Make arrangements with the Owner and Architect's Field Representative for on-site storage of materials and equipment to be installed in project. Protection and security for stored materials and equipment is solely contractors responsibility.

2.10 CLOSEOUT

- A. Upon completion of need to use existing User-provided facilities, or when directed by Architect/Engineer, restore each to original or specified condition.
- B. At completion of work in each area, provide final cleaning and return site to a condition suitable for use of User.

END 01110.

SECTION 01310

SCHEDULE OF VALUES

- 1.01 DESCRIPTION:** Provide a detailed breakdown of the agreed Contract Sum showing values allocated to each of the various parts of Work, as specified herein and in other provisions of the Contract Documents.
- A. Related Work:
1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and other Sections in Division 1 of these Specifications.
 2. Schedule of Values is required under the General Conditions.
- 1.02 QUALITY ASSURANCE:** Use required means to assure arithmetical accuracy of the sums described
- A. When so required by the Architect, provide copies of the subcontracts or other data acceptable to the Architect, substantiating the sums described.
- 1.03 SUBMITTALS:** Prior to first application for payment, submit a proposed Schedule of Values to the Architect.
- A. Meet with the Architect and determine additional data, if any, required to be submitted.
- B. Secure the Architect's approval of the Schedule of Values Prior to submitting first application for payment.

END

SECTION 01340

SHOP DRAWINGS, PRODUCT DATA & SAMPLES

PART 1 GENERAL

1.01 GENERAL

- A. Each Contractor make specified pre-construction submittals in accordance with Article 01340 of the Standard Documents for Construction.

1.02 SUBMITTALS

A. General Contractor

- 1. Section 09900 – Painting
 - a. Samples of Color Chips
 - b. Product Data
- 2. Section 13125 – Telescopic Bleacher Seating
 - a. Product Data
 - b. Shop Drawings
 - c. Samples (actual full sized components)
 - d. Test Reports
 - e. Certificates
 - f. As-Built Shop Drawings
 - g. Operating and Maintenance Data

SECTION 01525

CONSTRUCTION AIDS

1. GENERAL

1.01 REQUIREMENTS

- A. General Contractor: Provide and maintain construction aids and equipment for personnel use and to facilitate execution of the work:

1. Chutes.
2. Cranes
3. Hoists
4. Platforms.
5. Railings.
6. Ramps.
7. Runways.
8. Stairs.
9. Temporary enclosures.

- B. Each Contractor: Provide and maintain for his own forces all other construction aids required to complete his work.

2. PRODUCTS

- 2.01 MATERIALS:** Materials may be new or used. Comply with specified codes and standards.

2.02 CONSTRUCTION AIDS

- A. When permanent stair framing is in place, provide temporary treads, platforms, and railings for use by construction personnel.
- B. Do not use stairs in existing building.
- C. Do not use elevator in existing building.

2.03 TEMPORARY ENCLOSURES

- A. Provide temporary weather-tight enclosure of exterior walls for successive areas of building as work progresses, to provide acceptable working conditions, provide weather protection for materials, allow for effective construction heating, and to prevent entry of unauthorized persons.
 1. Provide temporary exterior doors with self-closing hardware and padlocks.
 2. Provide other enclosures, removable, for work and handling of materials.

- B. Provide temporary enclosures to separate work areas from existing areas occupied by Using Agency.
 - 1. Temporary partition and ceiling enclosures.
 - a. Close joints between sheet materials and seal edges and intersections with existing surfaces to prevent penetration of dust, fumes, or moisture.
 - b. In locations where fire protection is required, paint both sides of partition with noncombustible paint.

3. EXECUTION

3.01 PREPARATION: Consult with Architect/Engineer, review site conditions and factors which affect construction procedures and construction aids, including adjacent properties and public facilities which may be affected by execution of the work.

3.02 REMOVAL

- A. Remove temporary materials, equipment, and service:
 - 1. When construction needs can be met by authorized use of permanent construction, or when authorized by A/E.
- B. Clean and repair damage caused by installation or use of temporary facilities.
- C. Restore existing facilities used for temporary purposes to original condition.

END 01525

SECTION 01530

BARRIERS

1. GENERAL

1.01 REQUIREMENTS INCLUDE

A. Prime Contractor:

1. Provide and maintain suitable barriers to prevent unauthorized entry, and to protect the work, existing facilities and construction operations.
2. Remove when no longer needed, at completion of the work or as directed.

2. PRODUCTS

2.01 MATERIALS: Materials may be new or used, suitable for purpose.
Comply with specified codes.

2.02 BARRIERS: Materials, at Contractors option, appropriate for purpose.

3. EXECUTION

3.01 INSTALLATION

- A. Install facilities of a neat and uniform appearance.
- B. Maintain barriers during entire construction period.
- C. Relocate barriers as construction progresses.

3.02 REMOVAL

- A. Remove when authorized by the Owner or the A/E.

END 01530

SECTION 01540

SECURITY

1. GENERAL

1.01 REQUIREMENTS INCLUDE

A. Prime Contractor:

1. Protect work, stored materials, and construction equipment from theft and vandalism.
2. Protect premises from entry by unauthorized persons.
3. Protect Using Agency's operations at site from theft, vandalism, or damage from Contractor's work or employees.
4. Cooperate with the supplemental security program, if any, of the Using Agency.

1.02 RELATED REQUIREMENTS

A. Specified elsewhere:

1. 01200 - Project Meetings.
2. 01530 - Barriers.
3. 01620 - Storage & Protection.

1.03 MAINTENANCE AND SECURITY

- ###### **A.**
- Maintain security program throughout construction period until Using Agency occupancy precludes need for Contractor security.

END 01540.

SECTION 01561

CONSTRUCTION CLEANING

1. GENERAL

1.01 REQUIREMENTS INCLUDE

- A. Each Contractor provide cleaning and disposal of waste materials, debris and rubbish during construction.
- B. General Contractor: Supervise and coordinate cleaning operations of all Assigned Contractors.

1.02 RELATED REQUIREMENTS

- A. Specified elsewhere:
 - 1. 01710 - Cleaning.
 - 2. Individual Specification Sections: specific cleaning for product or work.

2. PRODUCTS

2.01 EQUIPMENT

- A. Provide covered containers for deposit of waste materials, debris, and rubbish.

3. EXECUTION

3.01 CLEANING

- A. Maintain areas under Contractor's control free of waste materials, debris and rubbish.
- B. Remove debris and rubbish from pipe chases, plenums, and other closed spaces prior to closing the space.
- C. Periodically clean interior areas to provide suitable conditions for Owner's-occupied areas.
- D. Clean interior areas prior to start of surface finishing. Continue cleaning on an as needed basis.
- E. Control cleaning operations so that dust and other particles will not adhere to wet or newly-coated surfaces.

3.02 DISPOSAL

- A. Regularly remove waste materials, debris, and rubbish from site weekly and dispose of off-site.

END

SECTION 01620

STORAGE & PROTECTION

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDE

- A. Each Contractor:
 - 1. Make arrangements with Owner's Representative for storage of materials and equipment to be installed in project. Protection and security for stored materials and equipment, on and off site is solely contractor's responsibility.

1.02 RELATED REQUIREMENTS

- A. Specified elsewhere
 - 1. 01310 - Construction Schedules.
 - 2. 01340 - Shop Drawings, Product Data & Samples
 - 3. 01710 - Final Cleaning.

- 1.03 OFF-SITE AUTHORIZATION.** Payment for materials/equipment stored off-site storage will be permitted only on Prior written authorization in accord with General conditions.

PART 2 PRODUCTS

2.01 PROTECTIVE MATERIALS

- A. For duration of storage period, provide materials which will provide proper protection against the elements or other harmful environmental condition.

PART 3 EXECUTION

3.01 LOCATION

- A Where shown on drawings or where authorized by Owner.
- B Architect/Engineer will resolve conflicts in storage requirements of all contractors.

- 3.02 PREPARATION.** Fill and grade sites for temporary storage sheds to provide drainage.

3.03 MAINTENANCE AND CLEANING

- A Provide continuous maintenance for all temporary structures.

3.04 REMOVAL

- A. Remove all temporary storage sheds, contents, and utilities, at completion of construction activities, or as directed by the Architect/Engineer.
- B. Remove foundations, debris; grade to indicated elevations and clean area.

END 01620

SECTION 01630

SUBSTITUTIONS & PRODUCT OPTIONS

1. GENERAL

1.01 REQUIREMENTS INCLUDE

- A. Base all bids on providing all products exactly as specified.
- B. For products specified only by reference or performance standards, select any product which meets or exceeds standards, by any manufacturers, subject to the Architect/Engineer's approval.
- C. For products specified by naming several products or manufacturers, select any product and manufacturer named. Only those products or manufacturer named shall be considered acceptable. Exception: See 1.03 below.

1.02 RELATED REQUIREMENTS

- A. Specified elsewhere:
 - 1. 01310 - Schedule of Values.
 - 2. 01340 - Shop Drawings, Product Data & Samples.

1.03 SUBSTITUTIONS, BIDDER/CONTRACTOR OPTIONS

- A. PRIOR TO BID OPENING: The Architect/Engineer will consider written requests to amend the bidding documents to add products not specified provided such requests are received at least 10 calendar days prior to bid opening date. Requests received after that time will not be considered. When a request is approved, the Architect/Engineer will issue an appropriate addendum not less than seven calendar days prior to bid opening date.
- B. AFTER AWARD OF CONTRACT: No substitutions will be considered after Notice of Award except under one or more of the following conditions:
 - 1. Substitutions required for compliance with final interpretations of code requirements or insurance regulations.
 - 2. Unavailability of specified products, through no fault of Contractor.
 - 3. Subsequent information discloses inability of specified product to perform properly or to fit in designated space.
 - 4. Manufacturer/fabricator refusal to certify or guarantee performance of specified product as specified.
 - 5. When a substitution would be substantially to Owner's best interests.

1.04 SUBSTITUTION REQUIREMENTS

- A. Submit (2) copies of each request for substitution. Include in request:
 - 1. Complete data substantiating compliance of proposed substitution with contract documents.
 - 2. For products:
 - a. Product identification, including manufacturer's name and address.

- b. Manufacturer's literature:
 1. Product description.
 2. Performance and test data.
 3. Reference standards.
 - c. Samples
 - d. Name and address of similar projects on which product was used and date of installation.
 3. For construction methods:
 - a. Detailed description of proposed method.
 - b. Drawings illustrating methods.
 4. Itemized comparison of proposed substitution with product or method specified.
 5. Data relating to changes in construction schedule.
 6. Identify:
 - a. Changes or coordination required.
 - b. Other contract affected.
 7. Accurate cost data on proposed substitution in comparison with product or method specified.
- B. In making request for substitution, bidder/contractor represents:
He has personally investigated proposed product or method and determined that it is equal or superior in all respects to that specified.
 1. It will provide the same guarantee for substitution as for product or method specified.
 2. It will coordinate installation of accepted substitutions into work, making all changes for work to be complete in all respects.
 3. Cost data is complete and includes all related costs under its contract, but excludes:
 - a. Architect/Engineer's redesign.
 - b. Administrative costs of Architect/Engineer.
 4. It will pay all additional costs and expenses for Owner, Architect/Engineer, and other contractors.
- C. Substitutions will not be considered when:
 1. They are indicated or implied on shop drawings or product data submittals without formal request submitted in accordance with Paragraph 1.04.
 2. Acceptance will require substantial revision of contract document.

END 01630

SECTION 01700

CONTRACT CLOSEOUT

- 1.01 DESCRIPTION:** Provide an orderly and efficient transfer of the completed work to the Owner.

A. Related Work:

1. Documents affecting work of this section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and other Sections in Division 1 of these Specifications.
2. Activities relative to Contract closeout are described in the General Conditions.
3. "Substantial Completion" is defined in the General Conditions.

- 1.02 QUALITY ASSURANCE:** Prior to requesting inspection by the Architect, use adequate means to assure that the work is completed in accordance with the specified requirements and is ready for the requested inspection.

- 1.03 PROCEDURES:** The following procedures will be used to achieve Contract Closeout:

A. Substantial Completion:

1. Prepare and submit the list required by the General Conditions, Para. 9.8.2
2. Within a reasonable time after receipt of the list, the Architect will inspect to determine status of completion.
3. Should the Architect determine that the Work is not substantially complete:
 - a. The Architect promptly will so notify the Contractor, in writing, giving the reasons therefore.
 - b. Remedy the deficiencies and notify the Architect when ready for reinspection.
 - c. The Architect will reinspect the Work.
4. When the Architect concurs that the work is substantially complete:
 - a. The Architect will prepare a "Certificate of Substantial Completion" on AIA form G704, accompanied by the Contractor's list of items to be completed or corrected, as verified by the Architect.
 - b. The Architect will submit the Certificate to the Owner and to the Contractor for their written acceptance of the responsibilities assigned to them in the Certificate.

B. Final Completion:

1. Prepare and submit the notice required by the General Conditions.
2. Verify that the work is complete including, but not necessarily limited to, the items mentioned in the General Conditions.
3. Certify that:
 - a. Contract Documents have been reviewed.

- b. Work has been inspected for compliance with the Contract Documents.
 - c. Work has been completed in accordance with the Contract Documents.
 - d. Equipment and systems have been tested as required, and are operational.
 - e. Work is completed and ready for final inspection.
 - 4. The Architect will make an inspection to verify status of completion.
 - 5. Should the Architect determine that the work is incomplete or defective:
 - a. The Architect will promptly so notify the Contractor, in writing, listing the incomplete or defective work.
 - b. Remedy the deficiencies promptly, and notify the Architect when ready for reinspection.
 - 6. When the Architect determines that the work is acceptable under the Contract Documents, he will request the contractor to make closeout submittals.
- C. Closeout submittals include, but are not necessarily limited to:
 - 1. Project Record Documents described in Section 01720.
 - 2. Operation and maintenance data for items so listed in pertinent other Sections of these Specifications, and for other items when so directed by the Architect.
 - 3. Warranties and bonds.
 - 4. Keys and keying schedule.
 - 5. Spare parts and materials extra stock.
 - 6. Evidence of compliance with requirements of governmental agencies having jurisdiction including, but not necessarily limited to:
 - a. Certificates of Inspection.
 - b. Certificates of Occupancy.
 - 7. Certificates of Insurance for products and completed operations.
 - 8. Evidence of payment and release of liens.
 - 9. List of subcontractors, service organizations, and principal vendors, including names, addresses, and telephone numbers where they can be reached for emergency service at all times including nights, weekends, and holidays.
 - 10. List of manufacturer's recommendation for regular cleaning of all finishes on the building, equipment and furnishings.
- D. Final adjustment of accounts:
 - 1. Submit a final statement of accounting to the Architect, showing all adjustments to the Contract Sum.
 - 2. If so required, the Architect will prepare a final Change Order showing adjustments to the Contract Sum which were not made previously by Change Orders.

- 1.04 INSPECTION:** Instruct the Owner's personnel in proper operation and maintenance of systems, equipment, and similar items which were provided as part of the work.
- 1.05 GUARANTEE:** Contractor(s) shall provide an unlimited guarantee covering materials and workmanship for a period of one year from the Date of Substantial Completion.
- A. Additional requirements are listed in other Sections of these Specifications with respect to specific products or materials listed in those Sections.
1. Provide fully executed copies of manufacturer's warranties as a part of the work of this Section.

END

SECTION 01710

CLEANING

- 1.01 DESCRIPTION:** Throughout the construction period, maintain the buildings and site in a standard of cleanliness as described in this Section.
- A. Related work:
1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and other Sections in Division 1 of these Specifications.
 2. In addition to standards described in this Section, comply with requirements for cleaning as described in pertinent other Sections of these Specifications.
- 1.02 QUALITY ASSURANCE:** Conduct daily inspection, and more often if necessary, to verify that requirements for cleanliness are being met.
- A. In addition to the standards described in this Section, comply with pertinent requirements of governmental agencies having jurisdiction.
- 1.03 CLEANING MATERIALS AND EQUIPMENT:** Provide required personnel, equipment, and materials needed to maintain the specified standard of cleanliness.
- 1.04 COMPATIBILITY:** Use only the cleaning materials and equipment which are compatible with the surface being cleaned, as recommended by the manufacturer of the material.
- 1.05 PROGRESS CLEANING:** Perform periodic cleaning to comply with this Section.
- A. General:
1. Retain stored items in an orderly arrangement allowing maximum access, not impeding traffic; or drainage, and providing required protection of materials.
 2. Do not allow accumulation of scrap, debris, waste material, and other items not required for construction of this Work.
 3. At least twice each month, and more often if necessary, completely remove all scrap, debris, and waste material from job site.
 4. Provide adequate storage for all items awaiting removal from the job site, observing requirements for fire protection and protection of the ecology.
- B. Site:
1. Daily, and more often if necessary, inspect the site and pick up all scrap, debris, and waste material. Remove such items to the place designated for their storage.
 2. Weekly, and more often if necessary, inspect all arrangements of materials stored on the site. Restack, tidy, or otherwise service

arrangements to meet the requirements of subparagraph 1.05.A.1 above.

3. Maintain the site in a neat and orderly condition at all times.

C. Structures:

1. Weekly, and more often if necessary, inspect the structures and pick up all scrap, debris, and waste material. Remove such items to the place designated for their storage.
2. Weekly, and more often if necessary, sweep interior spaces clean.
 - a. "Clean," for the purpose of this subparagraph, shall be interpreted as meaning free from foreign material which, in the opinion of the Architect, may be injurious to the finish floor material.

1.06 FINAL CLEANING: Prior to final acceptance, additional cleaning must be accomplished.

A. "Clean," for the purpose of this Article, and except as may be specifically provided otherwise, shall be interpreted as meaning the level of cleanliness generally provided by skilled cleaners using commercial quality building maintenance equipment and materials.

B. Prior to completion of the work, remove from the job site all tools, surplus materials, equipment, scrap, debris, and waste. Conduct final progress cleaning as described in Article 1.05 above.

C. Site:

1. Unless otherwise specifically directed by the Architect, broom clean paved areas on the site and public paved areas adjacent to the site.
2. Completely remove resultant debris.

D. Structures:

1. Exterior:

- a. Visually inspect exterior surfaces and remove all traces of soil, waste materials, smudges, and other foreign matter.
- b. Remove all traces of splashed materials from adjacent surfaces.
- c. If necessary to achieve a uniform degree of cleanliness, hose down the exterior of the structure.
- d. In the event of stubborn stains not removable with water, the Architect may require light sandblasting or other cleaning at no additional cost to the Owner.

2. Interior:

- a. Visually inspect exterior surfaces and remove all traces of soil, waste materials, smudges, and other foreign matter.
- b. Remove all traces of splashed materials from adjacent surfaces.
- c. Remove paint droppings, spots, stains, and dirt from finished surfaces.

3. Glass: Clean inside and outside.
4. Polished surfaces: To surfaces requiring routing application of buffed polish, apply the polish recommended by the manufacturer of the material being polished.

E. Schedule final cleaning as approved by the Architect to enable the Owner to accept a completely clean work.

1.07 CLEANING DURING OWNER'S OCCUPANCY: Should the Owner occupy the work or any portion thereof prior to its completion by the Contractor and acceptance by the Owner, responsibilities for interim and final cleaning shall be as determined by the Architect in accordance with the General Conditions of the Contract.

SECTION 01730

OPERATION AND MAINTENANCE DATA

- 1.01 DESCRIPTION:** To aid the continued instruction of operating and maintenance personnel, and to provide a positive source of information regarding the products incorporated into the work, furnish and deliver the data described in this section and in pertinent other sections of these specifications.

A. Related work:

1. Documents affecting work of this section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and other Sections in Division 1 of these Specifications.
2. Required contents of submittals also may be amplified in pertinent other Sections of these Specifications.

- 1.02 QUALITY ASSURANCE:** In preparing data required by this Section, use only personnel who are thoroughly trained and experienced in operation and maintenance of the described items, completely familiar with the requirements of this Section, and skilled in technical writing to the extent needed for communicating the essential data.

- 1.03 SUBMITTALS:** Provide submittals as follows:

- A. Comply with pertinent provisions of Section 01300.
- B. Submit two (2) copies of a preliminary draft of the proposed Manual or Manuals to the Architect for review and comments.
- C. Unless otherwise directed in other sections, or in writing by the Architect, submit three (3) copies of the final manual to the Architect prior to indoctrination of operation and maintenance personnel.

- 1.04 INSTRUCTION MANUALS:** Where Instruction Manuals are required to be submitted under other Sections of these Specifications, prepare in accordance with the provisions of this Section.

A. Format:

1. Size: 8 1/2" x 11"
2. Paper: White bond, at least 20 lb weight
3. Text: Neatly typewritten.
4. Drawings: 11" in height preferable; bind in with text; foldout acceptable; larger drawings acceptable but fold to fit within the Manual and provide a drawing pocket inside rear cover or bind in with text.
5. Flysheets: Separate each portion of the manual with neatly prepared flysheets briefly describing contents of the ensuing portion; flysheets may be in color.
6. Binding: Use heavy-duty plastic or fiberboard covers with binding mechanism concealed inside the manual; 3-ring binders will be acceptable; all binding is subject to the Architect's approval.

7. Measurements: Provide all measurements in U.S. standard units such as feet-and-inches, lbs., and cfm.
- B. Provide front and back covers for each Manual, using durable material approved by the Architect, and clearly identified on or through the cover with at least the following information:

OPERATION AND MAINTENANCE INSTRUCTIONS		
()
(Name and Address of Work)
()
(Name of Contractor)
()
(General subject of this Manual)
()
(Space for approval signature of)
(the Architect and approval date)

- C. Contents: Include at least the following:
1. Neatly typewritten index near the front of the Manual, giving immediate information as to location within the Manual of all emergency information regarding the installation.
 2. Complete instructions regarding operation and maintenance of all equipment involved including maintenance of all equipment involved including lubrication, disassembly, and reassembly.
 3. Complete nomenclature of all parts of all equipment.
 4. Complete nomenclature and part number of all replaceable parts, name and address of nearest vendor, and all other data pertinent to procurement procedures.
 5. Copy of all guarantees and warranties issued.
 6. Manufacturers' bulletins, cuts, and descriptive data, where pertinent, clearly indicating the precise items included in this installation and deleting, or otherwise clearly indicating, all manufacturers' data with which this installation is not concerned.
 7. Such other data as required in pertinent Sections of these Specifications.

1.05 EXECUTION: Execution of the work of this Section must be accomplished in accordance with the following procedural guidelines:

- A. Preliminary:
1. Prepare a preliminary draft of each proposed Manual.
 2. Show general arrangement, nature of contents in each portion, probable number of drawings and their size, and proposed method of binding and covering.
 3. Secure the Architect's approval prior to proceeding.
- B. Final: Complete the Manuals in strict accordance with the approved preliminary drafts and the Architect's review comments.

C. Revisions:

1. Following the indoctrination and instruction of operation and maintenance personnel, review all proposed revisions of the Manual with the Architect.
2. If the contractor is required by the Architect to revise previously approved manuals, compensation will be made as provided for under "Changes" in the General Conditions.

1.06 This Section contemplates written, descriptive, narrative to completely describe the operating and maintenance instructions for all equipment and systems provided for this Contract.

- A. Simple accumulation and binding of shop drawings, catalog cuts, manufacturer's literature, etc. will not be acceptable.

END

SECTION 01740

WARRANTIES & BONDS (Beyond one year)

1. GENERAL

1.01 REQUIREMENTS INCLUDE

- A. Each Contractor:
 - 1. Compile specified warranties and bonds.
 - 2. Co-execute specified submittals.
 - 3. Review submittals. Verify compliance with contract documents.
 - 4. Submit to Architect/Engineer for review and transmittal to Owner.

1.02 FORM OF SUBMITTALS

- A. Prepare a single packet.
- B. Format 8-1/2 inches x 11 inches. Fold larger sheets to fit.
- C. Cover: Identify each packet with typed title "WARRANTIES & BONDS".
 - List:
 - 1. Project number and title.
 - 2. Contractor's name.
 - 3. Contract.

1.03 TIME OF SUBMITTALS. Coordinate with 01730.

1.04 SUBMITTALS REQUIRED.

- A. General Contractor
 - 1. Section 13125 –Telescopic Bleacher Seating
 - a. Manufacturer's Warranty: 5-years from date of substantial completion.
 - b. Installation Contractor: provide proof of 5 years experience for successful bleacher installation.
- B. Electrical Sub-Contractor:
 - 1. Provide certified qualifications and proof of at least 5 years experience as an electrician.

END

SECTION 06100
ROUGH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. The work contemplated under this Section consists of the furnishing of all labor, materials, equipment and services required to construct all rough carpentry as indicated on the accompanying working drawings or as specified herein.
- B. The following items are listed as a guide in determining the project requirements, but not necessarily limited to the following:
 - 1. Floor and wall sheathing protection.
 - 2. Preservative treatment of wood blocking.
 - 3. Fire retardant treatment of wood blocking.
 - 4. Miscellaneous framing and sheathing required for execution of the work.
 - 5. Wood blocking for support of accessories, equipment, special construction, and wood trim.
 - 6. Miscellaneous wood nailers and furring strips, as required, etc.

1.02 SPECIAL INSTRUCTIONS, NOT CONTAINED HEREIN

- A. This Contractor is referred to "Instructions to Contractors" for complete information regarding any special instructions affecting his bid or his work on this Project.

1.03 REFERENCES

- A. AFPA WCD No. 1 – Manual for Wood Frame Construction; American Forest and Paper Association; 1988.
- B. AWPA C2 – Lumber, Timbers, Bridge Ties and Mine Ties – Preservative Treatment by Pressure Processes; American Wood-Preservers' Association; 1991.
- C. PS 1 – Construction and Industrial Plywood; National Institute of Standards and Technology (Department of Commerce); 1995.
- D. PS 20 – American Softwood Lumber Standard; National Institute of Standards and Technology (Department of Commerce); 1999.

1.04 SUBMITTALS

A. Certification:

1. Submit certification by treating plant stating chemicals and process used, net amount of salts retained and conformance with applicable standards.
2. Preservation Treated Wood: Submit certification for water-borne preservation that moisture content was reduced to 19 percent maximum, after treatment.
3. In lieu of written certifications specified above, each uncut piece of lumber and plywood provided shall be stamped with the appropriate designation for each treatment required.

1.05 QUALITY ASSURANCE

A. Lumber: Grading rules and wood species shall conform with Voluntary Product Standard PS 20. Grading rules of the following associations shall also apply to materials produced under their supervision

1. Northeastern Lumber Manufacturer's Association, Inc. (NELMA).
2. Southern Pine Inspection Bureau (SPIB).
3. West Coast Lumber Inspection Bureau (WCLIB).
4. Western Wood Products Association (WWPA).
5. Redwood Inspection Service (RIS).

B. Plywood shall conform to the following:

1. Softwood Plywood – Construction and Industrial: Product Standard PS1.
2. Hardwood Plywood: Product Standard PS 51.

C. Requirements of Regulatory Agencies:

1. Preservative Treated Lumber and Plywood: American Wood Preservers Association, Quality Mark.
2. Pressure Treated Material: American Wood Preservers Association Standards.
3. Span Tables: National Forest Products Association.
4. Working Stresses: Softwood Lumber, National Design Specification, National Forest Products Association.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Immediately upon delivery to job site, place materials in area protected from weather.**
- B. Store materials a minimum of 6" above ground on framework or blocking and cover with protective waterproof covering, providing adequate air circulation or ventilation.**
- C. Seasoned materials shall not be stored in wet or damp areas.**
- D. Protect sheet materials from corners breaking and damaging surfaces, while unloading.**

PART 2 PRODUCTS

2.01 DIMENSION LUMBER

- A. Sizes: Nominal as indicated on drawings, S4S.
- B. Moisture Content: S-dry or MC19.
- C. Miscellaneous Blocking, Furring, and Nailers:
 - 1. Lumber: S4S, No. 2 or Standard Grade.
 - 2. Boards: Standard or No. 3

2.02 CONSTRUCTION PANELS

- A. APA Rated Sub-flooring:
 - 1. Exposure Class: Exterior
 - 2. Span Rating: 32/16 inches (812/406 mm).
- B. APA Rated Roof Sheathing: Exterior Exposure Class, and as follows:
 - 1. Structural I.
 - 2. Span Rating: 24/0 (610/0)
- C. APA Rated Wall Sheathing: Exterior Exposure Class, and as follows:
 - 1. Structural I.
 - 2. Span Rating: 24/0 (610/0)
- D. Miscellaneous panels:
 - 1. Concealed Plywood: PS 1, C-C Plugged, exterior grade.
 - 2. Exposed Plywood: PS 1, A-D interior grade
 - 3. Electrical Component Mounting: APA rated sheathing, fire retardant treated.

2.03 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Fasteners: Hot-dipped galvanized steel for high humidity and treated wood locations, unfinished steel elsewhere.
 - 2. Bolts: FS FF-B-575C.
 - 3. Nuts: FS FF-N-836C.
 - 4. Expansion Shields: FS FF-B-561C.
 - 5. Lag Screws and Bolts: FS FF-B-561C.
 - 6. Toggle Bolts: FS FF-B-588C
 - 7. Wood Screws: FS FF-S- 111C.
 - 8. Nails and Staples: FS FF-N-105B.

2.04 FACTORY WOOD TREATMENT

- A. Fire Retardant Treatment: AWPAC Treatment C20, chemical treatment pressure impregnated.
- B. Pressure Treatment of Lumber Above Grade: AWPAC Treatment C2 using waterborne preservative to 0.25 lb/cu ft (4.0 kb/cu m) retention.
 - 1. Kiln dry after treatment to maximum moisture content of 19 percent.
 - 2. Treat wood in contact with roofing, flashing, or waterproofing.
 - 3. Treat wood in contact with masonry or concrete.
 - 4. Treat wood less than 18 inches (450 mm) above grade.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine the areas and conditions under which rough carpentry work is to be installed and notify the contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected.

3.02 GENERAL FRAMING INSTALLATION

- A. Set structural members level, plumb, and true to line. Discard pieces with defects that would lower required strength or result in unacceptable appearance of exposed members.
- B. Make provisions for temporary construction loads, and provide temporary bracing sufficient to maintain structure in true alignment and safe condition until completion of erection and installation of permanent bracing.
- C. Install structural members full length without splices unless otherwise specifically detailed.
- D. Comply with member sizes, spacing, and configurations indicated, and fastener size and spacing indicated, but not less than required by applicable codes and AFPA WCD 1 T11.
- E. Provide miscellaneous members as indicated or as required to support finishes, fixtures, specialty items, and trim.

3.03 PRESSURE TREATED WOOD PRODUCTS

- A. Provide pressure-treated wood for all framing, blocking, furring, nailing strips built into exterior masonry walls, wood in contact with concrete and in conjunction with gravel stops and roofing unless otherwise specified herein.

- B. Pressure treat above ground items with water borne preservatives to a minimum retention of 0.25 pcf. For interior uses, after treatment, kiln-dry lumber and plywood to a maximum moisture content, respectively, of 19 percent and 15 percent.
- C. Complete fabrication of treated items prior to treatment, where possible. If cut after treatment, coat cut surfaces to comply with AWWA M4. Inspect each piece of lumber or plywood after drying and discard damaged or defective pieces.

3.04 ANCHORS AND ROUGH HARDWARE

- A. Provide all rough and miscellaneous hardware work shown on the Drawings, specified herein, or otherwise required to complete the work. Install in a neat and workmanlike manner, true and firm in every respect.
- B. Fastenings for wood bucks, blocking, etc. to masonry or concrete shall be metal of types and spacing best suited to conditions. Hardened steel nails, expansion screws, toggle bolts, self-clinching nails, metal plugs or similar fastenings shall be used. Wood plugs or nailing blocks are not acceptable. Wire ties shall not be used.
- C. Nails, spikes, bolts, anchors, screws, toggle bolts, expansion bolts, strap anchors, government anchors, etc. shall be required for adequate construction of the particular parts of the work. Such items shall be aluminum, brass or galvanized, or otherwise rustproofed for exterior work.

3.05 GROUNDS, BLOCKING, NAILERS, AND FURRING

- A. Construct grounds, blocking, nailers, furring, and other similar items where shown on the Drawings or otherwise necessary for the attachment of work of all trades, and for the support of all equipment, products and materials specified in other sections of these Specifications.
- B. Blocking is required but not limited to the following locations:
 - 1. As required for bleacher installation, finish, and trim.

3.06 INSTALLATION OF CONSTRUCTION PANELS

- A. Wall Sheathing: Secure with long dimension perpendicular to wall studs, with ends over firm bearing and staggered, using screws.
 - 1. Place building paper horizontally over wall sheathing, weather lapping edges and ends.
- B. Plywood Sheathing: Install plywood with face grain perpendicular to direction of framing. Allow 1/16" space (minimum) between end joints and 1/8" between edge joints for expansion and contraction of panels. Fasten 6" o.c. along panel edges and 12" o.c. at intermediate supports with corrosive resistant screws.

3.07 TOLERANCES

- A. Framing Members: $\frac{1}{4}$ inch (6 mm) from true position, maximum.
- B. Surface Flatness of Floor: $\frac{1}{8}$ inch in 10 feet (1 mm/m) maximum, and $\frac{1}{4}$ inch in 30 feet (7 mm in 10 m) maximum.
- C. Variation from Plane (Other than Floors): $\frac{1}{4}$ inch in 10 feet (2 mm/m) maximum, and $\frac{1}{4}$ inch in 30 feet (7 mm in 10 m) maximum.

END

SECTION 06114

WOOD BLOCKING AND CURBING

PART 1 GENERAL

1.01 SCOPE OF WORK

- A. The work contemplated under this Section consists of the furnishing of all labor, materials, equipment and services required for the installation of all wood blocking and curbing as indicated on the accompanying working drawings or as specified herein.
- B. The following items are listed as a guide in determining the Project requirements, but not necessarily limited to the following:
 - 1. Blocking in wall openings.
 - 2. Preservative treatment of wood.
 - 3. Mounting boards for bleacher sections.
 - 4. Concealed wood blocking for support of accessories, and bleacher sections.

1.02 SPECIAL INSTRUCTIONS, NOT CONTAINED HEREIN

- A. This Contractor is referred to "Instructions to Contractors" for complete information regarding any special instructions affecting his bid or his work on this project.

1.03 REFERENCES

- A. ANSI A208.1 – American National Standard for Particleboard; 1999.
- B. AWPA C2 - Lumber, Timbers, Bridge Ties and Mine Ties - Preservative Treatment by Pressure Processes; American Wood-Preservers' Association; 1999.
- C. AWPA C20 - Structural Lumber - Fire Retardant Treatment by Pressure Processes; American Wood-Preservers' Association; 1999.
- D. PS 1 - Construction and Industrial Plywood; National Institute of Standards and Technology (Department of Commerce); 1995.
- E. PS 20 - American Softwood Lumber Standard; National Institute of Standards and Technology (Department of Commerce); 1999.

1.04 QUALITY ASSURANCE

- A. Lumber: Comply with PS 20 and approved grading rules and inspection agencies.
 - 1. Acceptable Lumber Inspection Agencies: Any agency with rules approved by American Lumber Standards Committee.
 - 2. Plywood: Comply with PS 1.
- B. Plywood: Comply with PS 1.

PART 2 PRODUCTS

2.01 DIMENSION LUMBER

- A. Sizes: Nominal sizes as indicated on drawings, S4S.
- B. Moisture Content: S-dry or MC19.
- C. Miscellaneous Blocking, Furring, and Nailers:
 - 1. Lumber: S4S, No. 2 or Standard Grade.
 - 2. Boards: Standard or No. 3.

2.02 CONSTRUCTION PANELS

- A. Plywood Sheathing: PS 1, Grade C-D, Exposure I.
- B. Particleboard Sheathing: ANSI A208.1, Grade M-3 Exterior Glue.
- C. Miscellaneous Panels:
 - 1. Concealed Plywood: PS 1, C-C Plugged, exterior grade.
 - 2. Exposed Plywood: PS1, A-D, interior grade.
 - 3. Electrical Component Mounting: APA rated sheathing, fire retardant treated.

2.03 ACCESSORIES

- A. Fasteners and Anchors:
 - 1. Fasteners: Hot-dipped galvanized steel for high humidity and treated wood locations, unfinished steel elsewhere.

2.04 FACTORY WOOD TREATMENT

- A. Fire retardant Treatment: AWWPA Treatment C20, Chemically treated and pressure impregnated.
- B. Pressure Treatment of Lumber Above Grade: AWWPA Treatment C2 using waterborne preservative to 0.25 lb/cu ft retention.
 - 1. Kiln dry after treatment to maximum moisture content of 19 percent.
 - 2. Treat wood in contact with roofing, flashing, or waterproofing.
 - 3. Treat wood in contact with masonry or concrete.

PART 3 EXECUTION

3.01 FRAMING INSTALLATION

- A. Set members level and plumb, in correct position.
- B. Place horizontal members with crown side up.
- C. Construct curb members of single pieces.
- D. Curb roof openings except where prefabricated curbs are provided. Form corners by alternating lapping side members.
- E. Coordinate curb installation with installation of decking and support of deck openings.
- F. Provide miscellaneous members as indicated or as required to support finishes, fixtures, specialty items, and trim.

3.02 INSTALLATION OF CONSTRUCTION PANELS

- A. Sheathing: Secure with long dimension perpendicular to framing members, with ends over firm bearing and staggered, using nails or screws, or staples.
- B. Install telephone and electrical panel back boards made of plywood or other acceptable structural panels at locations indicated. Size back boards to be minimum 12 inches beyond size of telephone and electrical panels.

END OF SECTION

SECTION 13125
TELESCOPIC BLEACHER SEATING

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
1. Demolition, removal, and disposal of existing high school bleachers to make way for new bleacher replacement sections.
 2. Telescoping Gym Seating Systems, includes manually operated systems of multiple-tiered seating rows comprising of seat, deck components, understructure that permit closing, without requiring dismantlement, into a nested configuration for storing or moving purposes. Two (2) types of bleacher systems shall be bid in individual Base Bid Categories: A). High Density Polyethylene seating, and, B). Classic Wood seating with Vinyl Seat Covers. Alternate Bids will be received for electric motorized bleacher operation for each type of seating system.
 - a. Typical applications include the following.
 - 1). Wall or Floor Attached Telescoping Gym Seats.
 - b. Special applications include the following:
 - 1). Rear Wall, Column, or Floor Cutouts Telescoping Gym Seats, if applicable, contractor verify at the site.
 - c. Touch-up painting as required on adjacent surfaces that are scratched, marred, or defaced during demolition and/or installation activities.
 - d. Alternate Bid: provide and install for extension of the nearest available and capable electrical power source for the motorized operations of bleacher sections (refer to Project Drawings for electrical configuration and specifications, and nearest electrical panel board location).
Note: "EC" on the Project Drawings refers to a licensed "Electrical Contractor" which shall be a sub-contractor to the work included in this specification section.

1.02 REFERENCES

- A. National Fire Protection Association (NFPA)
 - 1) NFPA 102 Standard for Assembly Seating, Tents and Membrane Structures.
- B. American Welding Society (AWS):
 - 1) AWS D1.1 Structural Welding Code – Steel.
 - 2) AWS D1.3 Structural Welding Code – Sheet Steel
- C. American Institute of Steel Construction (AISC)
 - 1) AISC – Design of Hot Rolled Steel Structural Members
- D. American National Standards Institute (ANSI)
- E. American Iron & Steel Institute (AISI)
 - 1) AISI _ Design Cold Formed Steel Structural Members
- F. Aluminum Association (AA)
 - 1) AA-Aluminum Structures, Construction Manual Series
- G. American Society for Testing Materials (ASTM)
 - 1) ASTM – Standard Specification for Properties of Materials
- H. National Forrest Products Association (NFoPA)

- 1) NFOPA – National Design Specification for Wood Construction.
- I. Southern Pine Inspection Bureau (SPIB)
 - 1) SPIB – Standard Grading Rules for Southern Pine
- J. National Bureau of Standards/Products Standard (NBS/PS)
 - 1) PS1 – Construction and Industrial Plywood.
- K. Americans with Disability Act (ADA)
 - 1) ADA-Standards for Accessible Design
- L. International Building Code, 2015.

1.03 MANUFACTURER'S SYSTEM ENGINEERING DESCRIPTION

- A. Structural Performance: Engineer, fabricate and install telescopic gym seat to the following structural loads without exceeding allowable design working stresses of materials involved. Including anchors and connection. Apply each load to produce maximum stress in each respective component of each gym seat unit.
 - 1) Design Loads: Comply with NFPA 102, 1992 Edition, Chapter 5 for design loads
 - 2) Comply with IBC 2015.
- B. Manufacturer's System Design Criteria
 - 1) Gymnasium seat assembly; Design to support and resist, in addition to own weight, the following forces:
 - a. Seats and decking to resist live load of 120 lbs per linear foot.
 - b. Uniformly distributed live load of not less than 100 lbs per sq. ft. of gross horizontal projection.
 - c. Parallel sway load of 24 lbs. per linear foot of row.
 - d. Perpendicular sway load of 10 lbs. per linear foot of row.
 - 2) Hand Railings, Posts and Supports: Engineered to withstand the following forces applied separately.
 - a. Concentrated load of 200 lbs. applied at any point and in any direction.
 - b. Uniform load of 50 lbs. per foot applied in any direction.
 - 3) Guard Railings, Post and Supports: Engineered to withstand the following forces applied separately:
 - a. Concentrated load of 200 lbs. applied at any point and in any direction.
 - b. Uniform load of 50 lbs. per foot applied horizontally at top rail and a simultaneous uniform load of 100 lbs. per foot applied vertically downward.
 - 4) Member Sizes and Connections: Design criteria (current edition) of the following shall be the basis for calculation of member sizes and connections.
 - a. AISC: Manual of Steel Construction
 - b. AISI: Specification for Design of Cold Formed Steel Structural Members.
 - c. AA: Specification for Aluminum Structures
 - d. NDGWC: National Design Guide for Wood Construction.
 - 5) Electrical power configurations and specifications as required, refer to project drawings.

1.04 SUBMITTALS

- A. Section Cross-Reference: Submit required submittals in accordance with "Conditions of the Contract" and Division 1 General Requirements sections of this Project Manual.
- B. Product Data: Manufacturer's product data for each system. Include the following:
 - 1) Project List: Ten (10) seating projects of similar size, complexity and in service for at least five (5) years.
 - 2) Deviations: List of deviations from these project specifications, if any.
- C. Shop Drawings: Indicate Telescoping Gym Seat assembly layout. Show seat heights, row spacing and rise, aisle widths and locations, assembly dimensions, anchorage to supporting structure, material types and finishes.
 - 1) Graphics Layout Drawings: Indicate pattern of contrasting or matching seat colors, if applicable.
 - 2) Wiring Diagrams: Indicate electrical wiring, specifications, and connections, as required for Alternate Bid Category.
- D. Samples: seat materials and color finish as selected by Architect from manufacturers standard color finishes.
- E. Manufacturer Qualifications: Certification of insurance coverage and manufacturing experience of manufacturer, and copy of a telescopic load test conducted by a qualified independent testing laboratory and certified by a registered professional structural engineer verifying the integrity of the manufacturer's geometry design and base structural assumptions.
- F. Installer Qualifications: Installer qualifications indicating capability, experience, and official Certification Card issued by the manufacturer of telescopic seating.
- G. Engineer Qualifications: Certification by a professional engineer registered in the state of manufacturer that the equipment to be supplied meets or exceeds the design criteria of this specification.
- H. Operating/Maintenance Manuals: Provide to Owner maintenance manuals. Demonstrate operating procedures, recommended maintenance and inspection program.
- I. Warranty: Manufacturer's standard warranty documents.

1.05 QUALITY ASSURANCE

- A. NFPA Standard: Comply with requirements of NFPA 102, "Standard for Assembly Seating, Tents and Membrane Structures", except where other requirements are indicated or imposed by authorities having jurisdiction.
- B. Welding Standards & Qualification: Comply with AWS D1.1 Structural Welding Code – Steel and AWS D1.3 Structural Welding Code – Sheet Steel.
- C. Insurance Qualifications: Mandatory that each bidder submit with his bid an insurance certificate from the manufacturer evidencing the following insurance coverage.
 - 1) Workers Compensation – including Employer's Liability with the following limits.
 - a. \$500,000.00 Each Accident
 - b. \$500,000.00 Disease – Policy Limit
 - c. \$500,000.00 Disease – Each Employee

- 2) Commercial General Liability – including promises/operations, independent contractors and products completed operations liability. Limits of liability shall not be less than \$5,000,000.00 (U.S.).
- D. Manufacturer Qualifications: Manufacturer who has twenty years of experience manufacturing telescoping gym seats.
- E. Installer Qualifications: Engage experienced installer who has specialized in installation of telescoping gym types similar to types required for this project and who is acceptable to, or certified by, telescoping gym seat manufacturer.
- F. Engineer Qualifications: Engage professional licensed engineer experienced in providing engineering services of the kind indicated that have resulted in the successful installation of telescoping bleachers similar in material, design, fabrication, and extent to those types indicated for this project.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver telescopic gym seats in manufacturers packaging clearly labeled with manufacturer name and content.
- B. Handle seating equipment in a manner to prevent damage.
- C. Deliver the seating at a scheduled time for installation that will not interfere with other trades operating in the building.

1.07 PROJECT CONDITIONS

- A. Field Measurements: Coordinate actual existing dimensions of construction affecting telescoping bleachers installation by accurate field measurements before fabrication. Show recorded measurements on final shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid delay of work.

1.08 WARRANTY

- A. Manufacturer's Product Warranty: Submit manufacturer's standard warranty form for telescoping bleachers. This warranty in addition to, and not a limitation of other rights Owner may have under Contract Documents.
 - 1) Warranty Period: Five (5) years from Date of Substantial Completion.
 - 2) Beneficiary: Issue warranty in legal name of project Owner.
 - 3) Warranty Acceptance: Owner is sole authority who will determine acceptance of warranty documents.

1.09 MAINTENANCE AND OPERATION

- A. Instructions: Both operation and maintenance shall be transmitted to the Owner by the manufacturer of the seating or his representative.
- B. Service: Maintenance and operation of the seating system shall be the responsibility of the Owner or his duly authorized representative, and shall include the following:
 - 1) Operation of the seating system shall be supervised by responsible personnel who will assure that the operation is in accordance with the manufacturer's instructions.
 - 2) Only attachments specifically approved by the manufacturer for the specific installation shall be attached to the seating.

- 3) An annual inspection and required maintenance of each seating system shall be performed to assure safe conditions. At least biannually the inspection shall be performed by a professional engineer or factory qualified service personnel.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturers:
- | | |
|--|---|
| Hussey Seating Company, U.S.A.
38 Dyer Street Extension
North Berwick, Maine 03906
Telephone: (207)-676-2271
Fax: (207)-676-2222
Toll Free: 1-(800)-341-0401
<u>info@husseyseating.com</u> | <u>Local Manufacturer's Representative:</u>
Carroll Seating Company, Inc.
112 Weldon Parkway
Maryland Heights, MO 63043
Telephone: (314)-227-0088
Fax: (314)-227-0090
Attn: Eddie Scheer
<u>escheer@carrollseating.com</u> |
|--|---|
- 1) Product: Hussey Telescopic Gym Seat System: High Density Polyethylene Seating System
- a. Model: Maxam26 Series Telescopic Gym Seats, adjustable row spacing in two inch increments from 22 inches to 26 inches.
 - b. Aisle Type: Foot level aisles, intermediate aisle steps, front steps, as required..
 - c. Seat Type: 10" comfort curve
 1. Seat color finish: manufacturers standard color offering, selected by the Owner and Architect.
 2. Special graphics on bleacher seats in the retracted or stored position (closed bleachers stacked against wall), that reads "Mustangs" custom signature logo on both west and east bleachers.
 - d. Rail Type: self-storing end rail, removable end rails, front rails, rear rails, store-in-place aisle hand rails, or folding aisle hand rails, as required. (Rail color finish; "Standard Black")
 - e. Operation: Manual (with an Alternate Bid for electrical power motorized operation with keyed switches).
 - f. Provide recoverable ADA handicapped positions (when seating is not used for handicapped positions they can be recovered and restored to regular standard seating), if available.
- 2) Product: Hussey Telescopic Gym Seat System: Classic Wood Seating System with Vinyl "Perma Cap" Seat Covers
- a. Model: Classic Wood Gym Seats, with bench seat posture to the rear for spectator comfort. Seats and front risers shall have full-radius comfort shaped edges.
 - b. Aisle Type: Foot level aisles, intermediate aisle steps, front steps, as required..
 - c. Seat Type: Standard nominal 10" seat width.
 1. Seat color finish: manufacturers standard wood color offering, approved by the Owner and Architect.

- d. Rail Type: self-storing end rail, removable end rails, front rails, rear rails, store-in-place aisle hand rails, or folding aisle hand rails, as required. (Rail color finish; "Standard Black")
 - e. Operation: Manual (with an Alternate Bid for electrical power motorized operation with keyed switches).
 - f. Provide recoverable ADA handicapped positions (when seating is not used for handicapped positions they can be recovered and restored to regular standard seating).
- 3) Product Description/Criteria
- a. Bank length: See Project Plans and Details
 - b. Aisle widths: See Project Plans and Details
 - c. Number of Tiers: See Project Plans and Details
 - d. Row spacing(s): See Project Plans and Details
 - e. Row Rise: See Project Plans and Details
 - f. Open Dimension: See Project Plans and Details
 - g. Closed Dimension: See Project Plans and Details
 - h. Overall Unit Height: See Project Plans and Details
 - i. Net Capacity: See Project Plans and Details
- 4) Product Accessories: Contractor (Supplier) provide and install master key, scorer's table, seat number's, row letters.
- 5) Special Applications: programming supports, extended rear deck filler, rear wall column cutouts, as required. Refer to Project Plans and Details.
- 6) Handicap Seating Provisions: Provide first tier modular recoverable Flex-rows handicap cutouts per requirements of (ADA) Americans with Disability Act located as indicated on the Project Plans and Details.
- 7) Special Seating Graphics: Special graphics on high density polyethylene bleacher seats in the retracted position (closed to seating and stacked against wall), that reads, "Mustangs", on both west and east bleachers.
- 8) Standard electrical equipment, devices, conduit, boxes, etc. as specified as part of the Alternate Bid Category as specified on the Project Drawings.

- B. Other Acceptable Manufacturers: Will be considered if in compliance with these specifications. Deviations must be submitted with bid in order that a fair and proper evaluation be made. Those bidders not submitting a list of deviations will be presumed to have bid as specified, (See Alternate Manufacturers, this Section, Article 2.02).

2.02 ALTERNATE MANUFACTURERS

- A. Alternate Manufacturers: In lieu of providing specified product, provide the following:
- 1) Alternate Product: Universal
 - 2) Alternate Product Accessories
- B. Alternate Manufactures: In lieu of providing specified product, provide the following
- 1) Alternate Product: Interkal
 - 2) Alternate Product Accessories

2.03 MATERIALS

- A. Lumber: ANSI/Voluntary Product 20, B & B Southern Pine.
- B. Plywood: ANSI/Voluntary Product PS1, APA A-C Exterior Grade.
- C. Structural Steel Shapes, Plates and Bars: ASTM A 36.
- D. Uncoated Steel Strip (Non-Structural Components): ASTM A569, Commercial Quality, Hot-Rolled Strip.
- E. Uncoated Steel Strip (Structural Components): ASTM A 607, Grade 45 or 50, High Strength, Low Alloy, Hot-Rolled Strip.
- F. Uncoated Steel Strip (Structural Components) : ASTM A570, Grade 33, 40, 45, or 50, Structural Quality, Hot Rolled Strip.
- G. Galvanized Steel Strip: ASTM A653 Grade 40, zinc coated by the hot-dip process, structural quality.
- H. Structural Tubing: ASTM A 500 Grade B, cold-formed.
- I. Polyethylene Plastic: ASTM D 1248, Type III, Class B; molded, color-pigmented, textured, impact-resistant, structural formulation; in color indicated or, if not otherwise indicated, as selected by Architect from manufacturer's standard colors.
- J. Fasteners: Vibration-proof, of size and material standard with manufacturer.

2.04 UNDERSTRUCTURE FABRICATION

- A. Frame System:
 - 1) Wheels: Not less than 5" diameter by 1-1/4 inches with non-marring soft rubber face to protect wood and synthetic floor surfaces, and with molded-in sintered iron oil impregnated bushings to fit 3/8" diameter axles secured with E type snap rings.
 - 2) Lower Track: Continuous Positive Interglide system interlocks each adjacent CPI unit using an integral, continuous, anti-draft feature and though-bolted guide at front to prevent separation and misalignment. CPI units at end sections of powered banks and manual sections shall contain a Low Profile Posi-Lock LX to loc each row in oopen position and allow unlocking automatically. Provide adjustable stops to allow field adjustment of row spacings.
 - 3) Upper and Lower Track: Provide adjustable stops to allow field adjustment of row spacings.
 - 4) Vertical Columns: High tensile steel, boxed channel shape finished inside and out.
 - 5) Slant columns: High tensile steel, tubular shape.
 - 6) Diagonal Knee Bracing: High tensile steel angle members through-bolted to deck stiffeners and columns. Maximum unsupported deck length between bracing locations shall be 8'-0".
 - 7) Deck Stabilizer: High tensile steel member through-bolted to nose and riser at three locations per section. Interlocks with adjacent stabilizer on upper tier using low-friction nylon roller to prevent separation and misalignment. Incorporates multiple stops to allow field adjustment of row spacings.

B. Deck System

- 1) Section lengths: Each bank shall contain sections not to exceed 25'-6" in length with a minimum of two supporting frames per row, each section.
- 2) Nosing beam and Rear Riser beam: Continuously roll-formed closed tubular shape of ASTM A653 grade 40, with no steel edges exposed to spectator after product assembly. Riser beam shall be continuously roll-formed of ASTM A653 grade 40. Nose and Riser beam shall be designed with no steel edges exposed to spectator after product assembly.
- 3) Decking: 5/8" AC grade clear-top-coated tongue and groove Southern Yellow Pine; or BC grade polyethylene-top-coated tongue and groove Douglas fir plywood; both of interior type with exterior glue, 5-ply, all plies with plugged crossbands, produced in accordance with National Bureau of Standards PS-1-97. Plywood shall be cut and installed with top, center and bottom ply grain-oriented from front of deck to rear of deck (nose beam riser beam). Adjacent pieces shall be locked together with tongue and groove joint from front to rear of deck. Longest unsupported span MAXAM 26, 21-1/2 inches.
- 4) Attachment: Through-Bolted fore/aft to deck stabilizers, and frame cantilevers.
- 5) Deck End Overhang: Not to exceed frame support structure by more than 5'-7".

2.05 SEATING FABRICATION

A. Courtside (Comfort Profile) XC10 Seat Modules:

- 1) Seat Modules: 18" long unitized interlocking engineered high density polyethylene modules providing scuff resistant textured 10" wide anatomically and ergonomically contoured with "waterfall" edge for enhanced spectator comfort and minimization of sensitive pressure point area regardless of leg positioning (comfort curve style bench seat surface) with fore and aft contoured seat surface for uniform support and minimum high pressure points, 21-1/2" clear foot space area regardless of leg positioning. and standard seat height ranges. Unit structural tested to 600 lbs occupant load. Integrally molded rear closure panel at back of seat to allow for "continuous clean sweep" of debris at deck level and minimized visibility of structural ribbing.
- 2) Profile: Designed with internal reinforcement ribs and cantilevered to the rear to provide not less than 5 1/2" smooth toe space beneath the seat. External ribs permitting debris collection are unacceptable.
- 3) Seat Support: Each plastic seat module shall be securely anchored by a 12 ga. Steel clamp bracket that provides a steel-to-steel through-bolted attachment to the front nose beam of the bleacher. Attachment eliminates fore/aft movement of the seat module on the nose beam.
- 4) Number Plates: Seat module shall be designed to accept and captively retain seat number plates.
- 5) End Caps: Each end of row shall be enclosed with matching end caps. Integrally molded end caps shall be designed with concealed attachment for clean finished appearance, and provide integrally molded (indented) for seat numbers and row letters.

B. Classic Wood Seat system:

- 1) Seats and Front Riser: 4/4" nominal thickness kiln dried, end finger joined only and/or solid Southern Pine Grade "B & B" in conformity with the Southern Pine Inspection Bureau (SPIB) Grading Rules. Mixed lumber species, edge glued strips, or plugs are unacceptable.
- 2) Seats: Bench seat posture pitched to the rear for spectator comfort. Seats and front risers shall have full-raised comfort shaped edges.
- 3) Seat Supports: Seat supports shall be through-bolted to seats, front risers, and noses and shall be provided in sufficient number to limit unsupported length of bench seat to 3'-0".

2.06 SHOP FINISHES

- A. Understructure: For rust resistance, steel understructure shall be finished on all surfaces with grey "Dura-Coat" enamel. Understructure finish shall contain a silicone additive to improve scratch resistance of finish. Tubular steel which cannot be painted inside is unacceptable.
- B. Wear Surfaces: Surface subject to normal wear by spectators shall have a finish that does not wear to show different color underneath.
 - 1) Steel nosing and rear risers shall be pre-galvanized with a minimum spangle of G-60 zinc plating. Painted nosings or risers are unacceptable.
 - 2) Decking shall have surfaces to receive a sealer coat with use surfaces to receive high gloss clear urethane finish. Painted decks are unacceptable.
 - 3) Comfort Curve, from (15) fifteen standard colors for either solid colors modules or two-tone seat and base. Colors shall be per manufacturer's standards.
 - 4) Classic wood seating and fascia shall be triple sanded and received a sealer coat with use surfaces to receive high gloss clear urethane finish.
 - 5) Railings: Steel railings shall be finished with powder-coated semi-gloss black color.

2.07 FASTENINGS

- A. Welds: Performed by welders certified by AWS standards for the process employed.
- B. Structural Connections: Secured by structural bolts with prevailing torque lock nuts, free-spinning nuts in combination with lock washers, or Riv-nuts in combination with lock washers.. The use of self-tapping bolts or screws without locking nuts are unacceptable.

2.08 ACCESSORIES

- A. Master Key/Hinged Skirt Boards: All skirt boards shall be hinged and each section shall have key locks with all locks keyed alike.
- B. Recoverable Handicap Cut-outs: Provide first tier handicap cutouts per requirements of Americans with Disability Act (ADA) located as indicated. Provide rigid 3/8" high above deck, front rails with tubular supports attached to the rear of each handicap seating area. Provide a full width front closure panel at handicap cutout, extending from underside of second tier to within 1 1/2" of finished floor. When not used for handicapped position, seating can be restored or recovered for standard (regular) seating.

- C. Front Steps: Provide at each vertical aisle location (Select detachable or swing-up) front steps. Front steps shall engage with front row to prevent accidental separation or movement. Steps shall be fitted with four non-skid rubber feet each 3" in diameter.
- D. Non-Skip Tread: Provide at front edge of each aisle location an adhesive-backed non-slip tread surface.
- E. Foot Level Aisles: Provide deck level full width vertical aisles located as indicated.
- F. Intermediate Aisle Step: Intermediate aisle steps shall be of boxed fully enclosed type construction. Construction materials shall be coordinated with that of decking. Quantity and location as indicated.
- G. Vertical Aisle Handrails: Provide removable folding 34" high above deck, hand rail along centerline of each vertical aisle, discontinuous at not more than every 5 rows. Hand rails shall be provided with an intermediate horizontal mid-rail.
- H. Ready Rail – Self Storing End Rails: Provide steel self-storing 42" high above seat, end rail with tubular supports and intermediate members designed with 4" sphere passage requirements.
- I. Scorer's Table: Provide on 8' x 15" scorer's table. Table top shall be gray high pressure laminate on 5/8" balance veneer core with cushioned edge mounting. Perimeter steel frame with tubular steel legs permanently attached to top with screws. Mounting sockets provide shall be attached to first row.
- J. Seat Numbers: Provide each plastic module with a large 1 5/8" x 1 5/8" etched Lexan plate. Easy to read black numerals will be on the plate fitted in a vandal resistant recess.
- K. Row Letters: Provide at each row end of plastic seat module 1 5/8" x 2 5/8" lacquer coated aluminum plates with black numerals. Plates to be fitted flush in vandal resistant end cap recess secured with four pop rivets.
- L. Recoverable Truncation: Provide a combustion programming support and front rail as required to support recoverable truncation with remaining lower rows stored beneath. Support front rail to extend 3/8" above deck and be designed to sustain live load of first seating row being programmed.
- M. Extended Rear Deck Filler: Provide at rear deck level an extended rear deck filler mounted between wall columns. Select extended rear deck filler from (8) eight standard sizes to meet site conditions.
- N. Rear Wall Column Cutouts: Provide custom bleacher cutouts at rear wall building columns. Top Row(s) to be cutout and scribe fitted to meet wall column conditions.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions: Verify that areas to receive telescoping gym seats are free of impediments interfering with installation and that condition of installation substrates are acceptable to receive telescoping gym seats manufacturer's recommendations. Do not commence installation until conditions are satisfactory.

3.02 INSTALLATION

- A. Manufacturer's Recommendations: Comply with telescoping gym seats manufacturer's recommendations for product installation requirements.
- B. Provide accessories, anchors, fasteners, inserts and other items for installation of bleachers and for permanent attachment to adjoining construction.

3.03 ADJUSTING AND CLEANING

- A. Adjustment: After installation completion, lubricate, test and adjust each telescoping gym seats assembly to operate in compliance with manufacturer's operations manual.
- B. Cleaning: Clean installed telescoping gym seats on both exposed and semi-exposed surfaces. Touch-up finishes to restore damage or soiled surfaces.

3.04 PROTECTION

- A. General: Provide final protection and maintain conditions, in a manner acceptable to manufacturer and installer to ensure telescoping gym seats are without damage or deterioration at time of substantial completion.

END

