ADDENDUM
NO. 2

**August 10, 2020**

**VALPARAISO HIGH SCHOOL WEST CAMPUS IMPROVEMENTS**
**Valparaiso, IN 46385**

## TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated July 24, 2020, by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Proposal Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-2 and attached Addendum No. 2 from Gibraltar Design dated August 7, 2020 consisting of 5 pages, Specification Section 11 46 43 - Scoreboards, and Gates, and 27 drawings.

**BID OPENING**
The Bid due date and time that has been changed from Friday August 14, 2020 at 11:00AM CST to Monday, August 17, 2020 at 11:00AM CST.

**BID OPENING PROCEDURE**
Bids will be dropped off at the Administration Building however, the Bid Opening will not take place in person. Contractors will still have the opportunity to participate in the opening virtually by accessing MS Teams Meeting link below. It is anticipated that the opening will start at 11:05AM (CST). Contractors MUST mute their microphone.

Join MS Teams Meeting:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGVhMDIxOWMtODFjNS00MGE0LThhNzQtYzU5NGY2ZmEyMzhi%40thread.v2/0?context=%7b%22Tid%22%3a%22c3f805a9-5c30-4bc0-afe5-a5859c3b17d6%22%2c%22Oid%22%3a%22499f4d2f-571b-4db9-a169-28dce313ca0f%22%7d

## A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS

**1. Add the following:**

1. Specification Section 11 46 43 - Scoreboards

## B. SPECIFICATION SECTION 00 30 50 - BIDDER REMINDER LIST

**1. Replace:**

1. Specification Section 00 30 50 - Bidder Reminder List with the attached revised List

## C. SPECIFICATION SECTION 00 31 00 - BID FORM

**1. Replace:**

1. Specification Section 00 31 00 - Bid Form with the attached revised Form

## D. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

**1. BID CATEGORY NO. 6 - ELECTRICAL**

a. Add the following:

1. 11 46 43 - Scoreboards

## E. SPECIFICATION SECTION 01 23 00 - ALTERNATES

**1. Delete:**

1. Alternate No. 4 - Safety Netting at Softball Field

_____ NAME OF BIDDER

# BIDDER REMINDER LIST TO BE COMPLETED AND INCLUDED IN BID PACKAGE FOR REVIEW AT BID OPENING

| | YES | NO |
|---|---|---|
| Have you properly and completely executed the **Bid Form** (Section 00 31 00)? | | |
| Is the **Bid Total** written in both words and figures? | | |
| Are the **Alternate** quantities in both words and figures and noted as **Add or Deduct**? | | |
| **Is the Non-Collusion Affidavit,** part of the Bid Form, signed & notarized? | | |
| Have you enclosed a certified check or **Bid Bond**? (Note: bond must be signed by Surety and Principal) | | |
| Have you included your company's **Financial Statement**? | | |
| Have you included the **Responsible Bidding Practices Submission Form** (Section 00 34 10a)? | | |
| Have you included your Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6? | | |
| Have Subcontractors and Products List to the Construction Manager within **48** Hours of the Bid Due Date and Time for Apparent Low Bidders. | | |
| On the outside of the envelope containing your Bid have you indicated:<br>**The Project Name**<br>**Bidder's Name**<br>**Bid Category No.**<br>**Date and Time of Bid Opening**<br>**Owner's Address**<br>Address to Where Bid is to be Delivered if different from Owners Address | | |

**NOTE: IF ANY OF THE REQUIRED BIDDING DOCUMENTS ARE NOT INCLUDED, DATED OR PROPERLY EXECUTED, THE CONTRACTOR'S BID MAY NOT BE ACCEPTED**.

**CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96**

Format (Revised 2013)
(Amended for VCS)

# Valparaiso High School
# West Campus Improvements

Valparaiso Community Schools

**PART I**

(To be completed for all bids. Please type or print)

Date (month, day, year):_____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip _____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid_____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

_____

Insert Category No. (s) and Name(s)

Of public works project, ***Valparaiso High School West Campus Improvements***, in accordance with Plans and Specifications prepared by ***Gibraltar Design, 9102 N. Meridian St., Ste. #300, Indianapolis, IN 46260***, as follows:

BASE BID

For the sum of _____

(Sum in words)

_____DOLLARS ($_____)

(Sum in figures)

The undersigned acknowledges receipt of the following Addenda:
Receipt of Addenda No. (s) _____

PROPOSAL TIME

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Attended pre-bid conference YES _____ NO_____

Has visited the jobsite YES _____ NO_____

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent
Of the schedule can be met. YES _____ NO_____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO_____

| |
|---|
| The Skillman Corporation's diversity initiative is to create a program to encourage, assist and measure the active participation of Minority- Owned, Women-Owned, Veteran – Owned and Disabled Individual-Owned Businesses. The Program is to ensure that MWVDBEs are provided full and equal opportunity to participate in all Skillman Corporation's Projects. |

Bidder has included:

DBE: YES _____% NO _____
MBE: YES _____% NO _____
WBE: YES _____% NO _____
VBE: YES _____% NO _____

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

The contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS
(if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 – Baseball Artificial Turf System

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 2 – Asphalt Replacement at Legacy Walkway

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 3 – Asphalt Finish Upgrade

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

~~Alternate Bid No. 4 – Safety Netting at Softball Field~~ - **DELETED PER ADDENDUM #2**

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 5 – Folding Glass Wall System

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD / DEDUCT
(sum in figures)

Alternate Bid No. 6 – Baseball and Softball Field Lighting, Etc.,

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 7 – Additional Field Lighting

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 8 – Cast Stone Medallion

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 9 – Tennis Platform

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

Alternate Bid No. 10 – New East Entrance Gate System, Etc.,

Change the Base Bid the sum of_____
(sum in words)

_____DOLLARS ($_____) ADD DEDUCT
(sum in figures)

**PART II**
(For projects of $150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

**SECTION I EXPERIENCE QUESTIONNAIRE**

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

| Contract Amount | Class of Work | Completion Date | Name and Address of Owner |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

2. What public works projects are now in process of construction by your organization?

| Contract Amount | Class of Work | Completion Date | Name and Address of Owner |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

3. Have you ever failed to complete any work awarded to you?_____If so, where and why?

_____

_____

_____

4. List references from private firms for which you have performed work.

_____

_____

_____

## SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

_____

_____

_____

_____

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

_____

_____

_____

_____

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

_____

_____

_____

_____

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

_____

_____

_____

_____

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

_____

_____

_____

_____

**SECTION III CONTRACTOR'S FINANCIAL STATEMENT**

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

**SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT**

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

**SECTION V OATH AND AFFIRMATION**

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____this _____ day of _____, 20

_____
(Name of Organization)

By
_____

_____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named
_____

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,
_____
(Title)

_____
Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

# ADDENDUM TWO

**Addendum Two (AD.02)** to the drawings and specifications prepared by Gibraltar Design and The Skillman Corporation for **Valparaiso High School West Campus Improvements** for Valparaiso School Corporation, Valparaiso, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original BID CATEGORY NO. Documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and Addendum One and include the appropriate content of same within their bid proposal.

# SPECIFICATIONS

**1. Specification Section 00 01 10 Table of Contents**

1. Add the New Specification Section 11 66 43, Scoreboards in Division 11, Equipment.

**2. Specification Section 05 12 00 Structural Steel**

A. The requirement for the fabricator on this project will be waived provided the fabricator and erector performs their specified duties at or in excess of AISC standards.

**3. Specification Section 11 46 43 Scoreboards**

A. Add New Specification Section 11 66 43, Scoreboards, included in this Addendum, to the Project Manual.

**4. Specification Section 23 05 00 Mechanical Materials and Methods**

A. Add Paragraph 2.06, Condensate Drain Piping to read:

> " 2.06 Condensate Drain piping shall be seamless Type "L" copper tubing, conforming to ASTM Specification B-88 and Federal Specification WW-T-799, of approved manufacturer. Fittings for copper tubing 2-1/2" and smaller shall be wrought sweat type fittings. Fittings shall have tubing stops. Solder joints in copper pipe shall be 95/5 lead free silfoss solder."

**5. Specification Section 32 18 11 Synthetic Turf Subsurface and Drainage System**

A. Revise Paragraph 1.7.A. to 8-Year Warranty in lieu of 10-year Warranty.

**6. Specification Section 32 18 12 Synthetic Turf System**

A. Revise Paragraph 1.9.C. to $15,000,000 Aggregate and 1.9.C.1. to $15,000,000 per Field.

B. Clarification on Paragraph 1.5.A.1. – For all work associated with the Turf System, no Sub-Contractors are allowed, except for installation of work associated with Section 32 18 11.

C. Clarification on Paragraph 1.10.A. – Maintenance Service is for only one (1) year, 6-months apart, scheduled with the Owner prior to leaving the Site.

D. Clarification on Paragraph 3.4.D. Tests indicated are the Minimum required, and are to be provided by the Turf System and Subsurface Drainage System Contractors/Suppliers, together, as both are responsible for achieving the drainage requirements for the Project, and is to be provided by an Independent, Industry authorized, testing agency. For Drainage, the requirement is to comply with the minimum drainage per hour and tested per the standards of ASTM F2898 and EN1216.

# DRAWINGS

**7. Sheet G-101**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Added new Sheet C-2.1C.

**8. Sheet G-201**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Add Tennis Platform Code Review.
2. Add Tennis Platform Life Safety Plan, Tennis Platform Ground Life Safety Plan, and Baseball First and Second Floor Life Safety Plans.

**9. Sheet C-1.0**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. An existing 4" watermain was added to the plans in the southwest corner of the baseball field.
2. The existing watermain in the baseball field was determined to end at the water supply hydrant.

**10. Sheet C-1.1**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Notation was added to excavate and remove material for the new sidewalk around the softball field.
2. Additional areas of asphalt pavement removal were added on the south and east of the softball field.
3. A new bus turnaround area of excavation was added west of the cleat house.
4. A new asphalt removal area was added to the baseball press box. The press box is now a part of the base bid.

**11. Sheet C-2.1**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. A new 20' x 80' concrete pad was added south of the softball field.
2. A new asphalt turnaround was added west of the cleat house and the asphalt edge west of the cleat house was extended up to the fence.
3. An area previously shown as asphalt northwest of the softball field has been changed to concrete with paving stain edges.
4. The baseball field press box has been added to the base bid.

**12. Sheet C-2.1A**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. A new 20' x 80' concrete pad was added south of the softball field.

   An area previously shown as asphalt northwest of the softball field has been changed to concrete with paving stain edges was grayed out to reflect that it is part of the base bid and not an alternate.

**13. Sheet C-2.1C**

A. Refer to new Drawing C-2.1C issued in this Addendum.

**14. Sheet C-3.1**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. A new bus turnaround area and structure number 8 has been added to the plans.
2. The dual water service lines have been removed and a single 3 inch water service line has been added to the east side of the cleat house.
3. Proposed paint striping has been removed in front of the west cleat house addition.

**15. Sheet S-201**

A. Revise new slab locations to correspond with the revised floor cut location.

**16. Sheet S-202**

A. Refer to revised full size drawing included in this Addendum for the following revision:

1. Add note to Tennis Platform and Gate Foundation Plans.

**17. Sheet S-203**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Add section 2.
2. Roof Framing Plan – Cleat House: Add section cuts.

**18. Sheet A-101**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Cleat House Architectural Demolition Plan: Revised floor cut locations.
2. Cleat House Architectural Floor Plan: Revise new slab locations to correspond with the revised floor cut locations, Revise watercoolers in Pass A-101 and Pass A-125.
3. Plan Notes: Add Note 34.

**19. Sheet A-102**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Add Tennis Platform Architectural Ground Floor Plan and Baseball Press Box Architectural First and Second Floor Plans.
2. Revise Title of Softball Press Box Architectural First and Second Floor Plans.
3. Plan Notes: Add Note 34.

**20. Sheet A-210**

A. Refer to revised Full-Size Drawing Sheet included in this Addendum for revisions to Details 2, 4, 5, and 6.

**21. Sheet A-401**

A. Refer to revised full size drawing included in this Addendum for the following revision:

1. Section 4/A-401 & 7/A-401: Revise sections as shown.

**22. Sheet A-403**

A. Refer to revised full size drawing included in this Addendum for the following revision:

1. Section 7/A-403: Revise section as shown.

**23. Sheet A-601**

A. Refer to revised full size drawing included in this Addendum for the following revision:

1. Door and Frame Schedule: add doors B-201A, C-101A, and C-201A.

**24. Sheet A-701**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Equipment Plan Notes: Revise notes 16 and 17.
2. Cleat House Equipment Plan: Revise layout of Watercoolers in Pass A-101 and Pass A-125.
3. Press Box First and Second Floor Plans: Add Note.

**25. Sheet A-801**

A. Press Box First and Second Floor Finish Plans: Add note to say "Apples for both Baseball and Softball Press Boxes"

**26. Sheets P201 and P202**

A. Refer to two (2) revised full size drawings included in this Addendum for the following revision:

1. Remove two (2) electric water coolers and associated piping and replace with one (1) electric water cooler with bottle filler.

**27. Sheet P401**

A. Refer to revised full size drawing included in this Addendum for the following revision:

1. Revise Model Number for EWC-1 in Plumbing Fixture and Equipment Schedule.

**28. Sheet M401**

A. Mechanical Equipment Schedule: Revise PTAC-1 to be as follows: Manufacturer = Frigidaire, Model Number = FRP15ETT2R, Description = Cooling/Heating PTAC unit:

**29. Sheet M201**

A. Refer to revised full size drawing included in this Addendum for the following:

1. Clarify, PTAC-1 shall be provided for both Softball and Baseball press boxes.

**30. Sheet ES101**

A. Refer to revised full size drawing included in this Addendum for added Plan Note 7.

**31. Sheet ES102**

A. Add Plan Note 14 to the pull box for the site lighting feed coming out of the building:

**32. Sheet ES103**

A. Refer to revised full size drawing included in this Addendum for the following revisions:

1. Lighting fixtures and connections shown for east entry gate.
2. Lighting fixtures and circuiting shown for the flagpole lights.

3. Clarification of fixture type on one of the Softball field lights: SBL4-4/B2.
4. Clarification of some circuits.

**33. Sheet E-101**

A. Location of panelboards, relays, timeclocks, etc., shall be as shown on Sheet E-201.

**34. Sheet E-201**

A. Refer to revised full size drawing included in this Addendum for the following revisions:
   1. Panel designations changed for some circuits from L2 to CHL2 and some circuits CL1 to CHL1 to match panel schedules and power distribution diagram.
   2. Receptacle and power circuit added for the Ozone Machine.

**35. Sheet E-202**

A. Refer to revised full size drawing included in this Addendum for the following revisions:
   1. Add the building mounted lighting fixtures.
   2. Add the Relays and timeclocks for the building exterior lights and flagpole lights.

**36. Sheet E-401**

A. The panel designation for all circuits in Concessions A-110 shall be CHL1 instead of CL1.

B. Change the equipment listed for receptacle/circuit CHL1-54 in Concessions A-110 from Nacho Cheese to Coffee Maker.

C. The circuit for the fire alarm control panel shall be CHL1-42 instead of CL1-42 and the circuit for the receptacle shall be CHL1-36 in lieu of CL1-36.

D. The circuit for the Timeclock shall be circuit CHL1-12.

**37. Sheet E-601**

A. Refer to revised full size drawing included in this Addendum for the following revisions:
   1. Additional information provided for Fixture Type L-12.
   2. Correcting Fixture Type SBL-5/C3 to FFL1/C3.
   3. Added Fixture Type L-14.

Pages 1 through 5, inclusive, Specification Section 11 46 43 Scoreboards, and Twenty-Seven (27) full-size Drawings constitute the total makeup of **Addendum Two**.

GIBRALTAR DESIGN

Joseph P. Briggs

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# SECTION 11 66 43
## SCOREBOARDS

## 1 General

### 1.1 Section Includes

A. Provide complete and operational Softball scoreboard system.

B. Provide control consoles for each scoreboard system.

C. Provide remote control and all accessories for the scoreboard system.

### 1.2 Related Sections

A. Section 26 05 00 - Basic Electrical Requirements.

B. Section 26 05 29 - Supporting Devices.

### 1.3 Scope Of Work

A. Provide Softball scoreboards complete with control consoles and any wiring, and ready for operation.

### 1.4 Submittals

A. Submit shop drawings and product data under provisions of Division 1 and Section 26 05 00.

B. Include basic system diagrams, data sheets, type, dimensions, fabrication details, fittings, supports, accessories, and finishes.

### 1.5 Regulatory Requirements

A. Underwriters' Laboratory (UL) listed.

### 1.6 Delivery, Storage, And Handling

A. Deliver, store, protect, and handle products to site under provisions of Division 1.

B. Accept scoreboard equipment on site. Inspect for damage.

C. Protect equipment during storage according to manufacturer's instructions.

### 1.7 Warranty

A. Provide warranty under provisions of Division 1.

B. Warranty: Include coverage for 100 percent replacement of all defective parts or workmanship.

C. Extended Warranty: Furnish to Owner all extended warranties provided by manufacturers.

D. Furnish a copy of this warranty together with the operating instructions and maintenance data.

### 1.8 Operation And Maintenance Data

A. Submit operation and maintenance data under provisions of Division 1 and Section 26 05 00.

B. Include complete owner/user operating instructions and maintenance information.

## 2 Products

### 2.1 Acceptable Manufacturers

A. Softball scoreboard:

1. Daktronics, Inc.
2. Fair-Play Scoreboards, A Division of Trans-Lux Corporation.
3. Nevco Scoreboard Company.

### 2.2 Softball Scoreboard System

A. Provide one complete softball scoreboard system at the approximate location indicated on the Drawing – coordinate final location with the Owner prior to installation of any electrical scope. The system shall include the following:

B. System Equipment:

1. The scoreboards shall be Nevco Model **1606** or approved equal. Total of one scoreboard required.
2. The control console shall be Nevco Model MPCW Wireless or approved equal. Total of two (2) control console's required. Provide each control console with a console carrying case as manufactured by the controller manufacturer.

C. Scoreboard Features - Nevco Model 1606:

1. Illuminated At Bat display from 00 to 99, 18-inch High.
2. Progressive team score numeric displays from 0 to 99 for two teams, 14-inch High.
3. Inning/Period numeric display, 14-inch High.
4. Illuminated spots for Balls, Strikes, Outs, Hits, and Errors, 18-inch High.
5. Illuminated/Electronic Team Names, 14-inch High.

6. White letter captions for At Bat display, inning/period, ball, strike, out, hit, error, runs, Hits, and Errors displays, along with 10 innings.

D. Scoreboard Construction:

1. All aluminum, totally enclosed, weatherproof case.

a. Size: 24-feet long x 8-feet high x 8-inches deep.

b. Case Finish:

1) Case finished in a non-reflecting polyurethane epoxy finish.

2) Finish color of scoreboards shall be **#142 – Kelly Green** as selected by the Architect**, confirm with Owner prior to final approval in Shop Drawings**.

2. Electronic LED Numerals and Letters, Amber Color.

3. All solid-state, low-voltage technology control logic and display switching functions.

4. All scoreboard service access shall be from the front.

5. Include Built-in Lightning Protection.

E. Provide mounting brackets of sufficient strength and quantities for scoreboards.

F. Operator's Control Console and Carrying Case:

1. Microprocessor based control console with built-in information display.

2. Provide a durable carrying case for the each control console.

G. Provide a service platform below the front face of the main scoreboard, to facilitate servicing, as indicated on the Contract Documents.

H. Control Cable and Accessories:

1. Provide Wireless Control System as indicated above.

I. Scoreboard Electrical Power Feed Equipment: Provide the scoreboard location with the following:

1. NEMA 3R type, Power with ETNs (Amber) 120 VAC, 4.1 Amps, 50/60 Hz.

2. Provide ground rod as recommended by the scoreboard manufacturer.

3. Provide other equipment as recommended by the scoreboard manufacturer.

J. Scoreboard Mounting: Provide the scoreboard with steel support beams and mounting hardware as follows:

1. Provide a minimum of two (2) steel wide-flanged "H" beams for each scoreboard to properly support the scoreboards based on local soil conditions and wind loads. Beams shall be sized to mount the scoreboards with bottom of case at 14 feet above grade level.

2. Provide mounting brackets of sufficient strength and quantities for scoreboards.

# 3 Execution

## 3.1 Installation

A. Install in accordance with manufacturer's instructions.

B. Install in the locations and mounting heights indicated in the Contract Documents.

C. Securely mount plumb and square in place.

D. Softball Scoreboard System:

1. Mount scoreboards with bottom of case at 14 feet above grade level.

2. Mount scoreboards on steel wide-flanged "H" beams to properly support the scoreboards, and scoreboard service platforms based on local soil conditions and wind loads.

## 3.2 Demonstration And Instruction

A. Upon completion of installations and preliminary testing, notify the Architect and Construction Manager that the system is systems are ready for final testing and demonstration. The Architect or Construction Manager, at his option, may select a specific time and date suitable to all parties and have a representative in attendance during the entire final testing.

1. Demonstrate all system functions as hereinbefore specified to perform as specified.

2. Test and demonstrate the system systems to equal or exceed the specified system criteria.

B. Provide on-site instruction and training to the Owner's designated representatives in the setup, operation and use of equipment.

1. All instruction and training is to be given by an equipment source representative.

2. All instruction and training is to be given after completion of the installation.

3. Arrange instruction and training sessions at Owner's convenience.

C. Turn over all non-installed system equipment called for in the Contract Documents to the Owner's designated representative.

## END OF SECTION