Pre-Bid Meeting
AGENDA
Colonial School District
William Penn High School
Bid Pack B - Athletic Field Improvements and Buildings
Pre-Bid Meeting 2:30 PM
22 October 2026

1. **Introduction**

Owner – CSD - Colonial School District [CSD holds all contracts]

- Drew Moffett, Director of Operations
- Stephen Johnson, Head of Facilities

Design Team Members

- Becker Morgan Group (Architect/Civil Engineer)
- Gipe Associates, Inc. (MEP Engineer)
- Baker, Ingram & Associates (Structural Engineer)

EDiS Role – Construction Manager

- JD Bartlett, Operations Manager
- Warren Ellis, Sr. Project Manager
- Jessica dePolo, Project Administrator
- Freddy Canteen, Project Engineer
- Olek Kostyszyn, Superintendent

Attendees – Introductions from the attendees (Primes and Subcontractors)

2. **Project**

Overview:

- Site Address: 713 E Basin Road
- Owner: Colonial School District (CSD)
- Project: William Penn High School Athletic Complex
- Bid Package B - **Athletic Field Improvements and Buildings**
- CM-Agent (EDiS), all prime contracts with CSD

Bid Package B Contracts:

Contract B-01: Concrete and Reinforcing
Contract B-02: Structural Steel and Miscellaneous Metals
Contract B-03: Unit Masonry
Contract B-04: General Trades
Contract B-05: Metal and EPDM Roofing
Contract B-06: Soft Flooring
Contract B-07: Fluid-Applied Flooring

Contract B-08: Painting
Contract B-09: Bleachers and Grandstands
Contract B-10: Fire Protection
Contract B-11: Plumbing, HVAC and Controls
Contract B-12: Electrical, Lighting, Fire Alarms, Stadium Lighting
Contract B-13: Special Systems
Contract B-14: Testing, Adjusting and Balancing
Contract B-15: General Labor & Cleanup

3. **Bid Information**
   - Bids will be received at William Penn High School, N3 Building, located at 701 E. Basin Rd, New Castle Delaware 19720 until 2**:30 PM local time on Thursday November 12th, 2026. Any bid received after 2:30 PM local time on Thursday November 12th, 2026, will be returned unopened.**
   - Bid opening is public.
   - **Three (3) copies of the bids shall be in a sealed envelope** clearly marked "**COLONIAL SCHOOL DISTRICT – WILLIAM PENN HIGH SCHOOL ATHLETIC COMPLEX – BID PACK B-(number and description of bid pack being bid) SEALED BID – DO NOT OPEN"** The bidder's name and address should also be marked on the envelope. Electronic bids will not be accepted.
   - **Addenda are the only method to change the documents.**
   - No addenda will be issued later than two (2) days prior to the bid opening, except when cancelling the bid, extending the bid opening date or changing the bid opening location.
   - Bid bonds are required.
   - Performance and Payment Bonds are required.
   - A Drug Testing Program is required. An affidavit of Employee Drug Testing Program is in Section 004100.
   - Craft Training Program is required. An affidavit is in Section 008115 and must be included.
   - The bid form is in Section 004100 of the project manual. No modifications, clarifications or qualifications are allowed.

4. BP-B Addendum #1 will be issued on/or about October 26, 2026. This document will contain information from the pre-bid meeting (10/22/2026 @ 2:00PM), as well as bid document updates.

5. Section 002113 Instructions to Bidders/Review.

   - Note section regarding state requirements for cost impact due to tariffs.

6. Section 004100 Bid Forms – specific for each contract, please read carefully.

7. Bid Attachments: (3) bid forms, Sub-Contractors list, Non-Collusion Statement, Bid Bond, Consent of Surety, Affidavit of Employee Drug Testing Program, Affidavit of Contractor Qualifications, Affidavit of Craft Training Compliance, Bid Security, Delaware Business License and New Castle County Contractor's License. P&P Bonds will be required after contract award.

8. Review Subcontractors List for each contract. Approved by group.

9. Contract (Standard Form of Agreement Between Owner and Contractor), AIA A132/CMa 2019 Edition, is in Section 005200 of the project manual.

10. Supplement to AIA A132/CMa 2019 Edition is in Section 005200 of the project manual.

11. General Conditions of the Contract, AIA A232-2019 are in Section 007200.

12. Supplementary General Conditions are in Section 007300.

13. Scopes of Work are in Section 011100 (Summary of Work).
    - General sections – applies to all contractors.
    - "Contract" sections – contract specific scopes

14. Review Site Logistic Requirements - Loading & unloading, onsite storage, site access, parking.
    - Active school campus. Establish construction entrance early. Erect fencing immediately.

15. Allowances are defined in Section 012100 of the project manual, listed in the scopes of work, and on the bid forms.

16. Unit Costs are in Section 012200 of the project manual, listed in the scopes of work, and on the bid forms.

17. Alternates are in Section 012300 of the project manual. ***There are currently (8) alternates included in this bid package.*** ***All alternates do not apply to all bid packages.*** Please review bid forms carefully.

18. Contractors are required to use the web-based project management system – Building Blok See Section 013125.

19. A pre-bid construction schedule can be found in Section 013216 of the project manual.

20. Insurance requirements are listed in Section 006216 of the project manual. (Pollution Insurance Required for select contracts, as indicated)

21. Safety program requirements are in Section 013523 of the project manual.

22. Prevailing wage rates must be followed. A copy of the current wage rates can be found in Section 007343 of the project manual.
    - Title 29 Del.C.6902(8): Wage Rates on Custom Fabrications

    29 Del.C.6902(8):

    (8) "Custom fabrication" means the offsite fabrication, assembly, or other production of nonstandard goods or materials, including components, fixtures, or parts thereof, specifically for a public works project. Such goods and materials shall include those used in the following trades or systems:

    a. Plumbing or pipe fitting systems, including heating, ventilating, air-conditioning, refrigeration systems, sheet metal, or other duct systems.

    b. Electrical systems.

    c. Mechanical insulation work.

    d. Ornamental iron work.

    e. Commercial signage that does not attempt or appear to direct the movement of traffic on highways or roadways or interfere with, imitate, or resemble any official traffic sign, signal, or device.

23. All questions shall be submitted in writing and by e-mail to both Warren Ellis, wellis@ediscompany.com, (302)290-3039 and Freddy Canteen, fcanteen@ediscompany.com , (302)438-9661. All bid questions and answers will be published in a future addendum.

24. No questions after seven (7) days prior to bid opening. **Current bid due date is 11/12/26.** Please get questions in early.

25. A site visit is not mandatory but is encouraged. By submitting a proposal, the contractor bidding on the project attests that they have familiarized themselves with the site and all of the existing conditions affecting the work.

26. Documents may be viewed and downloaded at EDiS' FTP site after approval for circulation by CSD. Bidders requesting the log on information may obtain username and password permission by contacting Jessica dePolo (EDiS Company) at jdepolo@ediscompany.com. Access to EDiS FTP site will be emailed to all in attendance after meeting.

27. It is the responsibility of each Bidder to review and coordinate all Project Documents. This includes plans, specifications, and addendums. All bidders must provide all requested contact information on Pre-Bid Meeting sign-in sheet or email the information to Jessica dePolo to receive notice of addendums.

28. Project Phasing. This project will have several phasing restrictions. Multiple mobilizations will be required. Each building should be treated as a separate phase, not all phases(buildings) start at once or finish at the same time. Overall phasing for the new fields and buildings can be found in the Preliminary Construction Schedule.

29. EDiS POC: Warren Ellis at wellis@ediscompany.com, (302)290-3039 and Freddy Canteen at fcanteen@ediscompany.com, (302)438-9661.

End of Section.

ADDENDUM NO. 1 October 26, 2026
Colonial School District
William Penn High School
Bid Package B
Page 1

The Bid Due Date and Bid Opening date remain unchanged.
Bids are due Thursday, November 12th 2026 at 2:30pm.

NOTICE: Attach this addendum to the project manual for this project. It modifies and becomes a part of the contract documents. Work or materials not specifically mentioned herein are to be described in the main body of the specifications and as shown in the drawings. Bidders shall acknowledge receipt of this addendum on the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

Whenever this Addendum modifies a portion of the Project Manual added information is shown as **Bold** and deleted information is shown as ~~strikethrough~~.

The contract documents for the above referenced project are amended as follows:

GENERAL CLARIFICATIONS:

QUESTIONS AND ANSWERS:

1. Nothing to Report

LIST OF ATTACHMENTS:

- BPB Pre-Bid Meeting Agenda
- BPB Pre-Bid Meeting Sign-In Sheet
- Addendum #1 BMG Narrative, updated Specs and Drawings
- Updated CSD WPHS - 011100 PU19 Summary of Work for BPB Addendum #1
- Updated BPB Bid Forms with listed contractors
- CSD WPHS - 007343-1 Part 2 PU19 Wage Rate Requirements - Updated

End of Addendum No. 1

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Colonial School District
William Penn High School
Pre-Bid Meeting Bid Package B
22-Oct-26

REPRESENTATIVE	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS Matt@danolt.com
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Mike Napier	Assurance Media	302-250-1614	MNapier@assurancemedia.net
Ed Barrar	Exterior Building Solutions	267-666-8870	ed@ebsreps.com
Christine Olshan	Becker Morgan Group	570-322-0746	Colshan@beckermorgan.com
Bryan Hutchison	BMG		bhutchison@beckermorgan.com
Andrew McCracken	I.D. Griffith Inc.	302-593-0990	amccracken@idgriffith.com
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Shayne Timmons	Castle Construction of DE	302-326-3200	Shayne.Timmons@castlede.com
Tom Carroll	AstroTurf	610-842-5295	Tom.Carroll@AstroTurf.
BILL PARGOE	NETWORK FLOORING	302-221-2222	BPARGOE@NETWORKFLOORING.NET
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Colonial School District
William Penn High School
Pre-Bid Meeting Bid Package B
22-Oct-26

REPRESENTATIVE	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS
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Vince Duobinis East Coast Plumbing & HVAC 26 Brookhill Drive, Newark, DE 19702 302-743-6803 – vince@ECPH.Net			
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JOSE WAMBRIGHT	EAST COAST PLUMB & HVAC	302-250-1583	JOSE@ECPH.NET

BECKER MORGAN GROUP

ARCHITECTURE
ENGINEERING

ADDENDUM TO CONTRACT DOCUMENTS

Date: October 22, 2026 **To:** Bidders

From: Bryan Hutchison, AIA

Copies: Stephen Johnson ; EDIS

Project: William Penn High School: Athletic Field Improvements

Project #: 2025040.00 – Bid Pack B

Subject: Addendum Number 01 – Bid Pack B

NOTICE: Attention is called to the following item(s), effective as of the date above, which shall be added to, deleted from, or changed in the contract documents dated August 31, 2026, and any previously issued addenda, thereby incorporating these items into the contract.

SPECIFICATION CHANGES:

Item	Description
01	000110 – Table of Contents • Addition of 061715 – Engineered Structural Wood • Addition of 281500 – Integrated Access Control Hardware • 261200 – Low Voltage Transformers changed to 262200 – Low Voltage Transformers to match specification section provided.
02	061715 – Engineered Structural Wood • Added specification section
03	131250 – Bleachers, Grandstands, and Press Box • Specification updated to remove Visitor's Stands press box
04	281500 – Integrated Access Control Hardware • Added specification section

DRAWING CHANGES:

Item	Description
01	G002 - Cover Sheet - Bid Pack B • Sheet list updated
02	AD100 – Roof Demo Plan • Dimensions clarified

	• Notes updated to clarify roof replacement scope
03	A106 – Finish Schedule and Legend • Added clarification for Corner Guards (CG-1) • Updated schedule to remove incorrect specification designations
04	A109 – Dugout Plans and Elevations • Added general notes 4 thru 6
05	A901 – Fieldhouse and Baseball Bleachers • Bleacher Foundation details added for clarity • Visitor football bleachers updated to remove Visitor's Stands press box
06	A902 – Fieldhouse and Baseball Bleachers • Visitor football bleachers updated to remove Visitor's Stands press box
07	Electrical – All updated sheets dated 08/31/2026 to correct titleblock
08	E001 – Electrical Legend, Schedules, and Abbreviations • Remove references to architectural sheets from drawing note 12.
09	E003 - Electrical Site Plan • Reroute incoming primary utility feeder around stormwater facility under parking lot, and to reroute secondary feeder and communications feeder serving maintenance building around the same.
10	E201 - First Floor Plan – Power and Special Systems • Add rough-in to serve access control system by owner, and to provide 120V power to the same
11	E501 - Schematic Power Riser Diagram and Panel Schedule • Add access control circuit for local power to secured doors.
12	E705 - Details Electrical • Add Card Reader Rough-in Detail.

LIST OF ATTACHMENTS

Item	Description	Date
01	061715 – Engineered Structural Wood	10/22/2026
02	131250 – Bleachers, Grandstands, and Press Box	10/22/2026
03	281500 – Integrated Access Control	10/22/2026
04	G002 - Cover Sheet - Bid Pack B	10/22/2026
05	AD100 – Roof Demo Plan	10/22/2026
06	A106 – Finish Schedule and Legend	10/22/2026
07	A109 – Dugout Plans and Elevations	10/22/2026
08	A901 – Fieldhouse and Baseball Bleachers	10/22/2026
09	A902 – Fieldhouse and Baseball Bleachers	10/22/2026
10	E001 – Electrical Legend, Schedules, and Abbreviations	10/22/2026
11	E003 - Electrical Site Plan	10/22/2026

12	E201 - First Floor Plan – Power and Special Systems	10/22/2026
13	E501 - Schematic Power Riser Diagram and Panel Schedule	10/22/2026
14	E705 - Details Electrical	10/22/2026

END OF ADDENDUM 01

cc: All attendees
Owner

SECTION 061715
ENGINEERED STRUCTURAL WOOD

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Structural composite lumber.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1.3 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that complies with quality-control procedures in ASTM D5055 or ASTM D5456 and involves third-party inspection by an independent testing and inspecting agency acceptable to Architect and authorities having jurisdiction.

PART 2 - PRODUCTS

2.1 STRUCTURAL COMPOSITE LUMBER

A. General: Provide structural composite lumber that complies with ASTM D5456 and ASTM D2559 or research/evaluation reports acceptable to authorities having jurisdiction.

B. Laminated-Veneer Lumber (LVL): Structural composite lumber made from wood veneers with grain primarily parallel to member lengths, evaluated and monitored in accordance with ASTM D5456, and manufactured with exterior-type adhesive complying with ASTM D2559.

1. Allowable Stresses:

a. Extreme Fiber Stress in Bending, Edgewise (Fb): 2600 psi for 12-inch nominal depth members.
b. Modulus of Elasticity, Edgewise (E): 2,000,000 psi.

C. Parallel-Strand Lumber (PSL): Structural composite lumber made from wood strand elements with grain primarily parallel to member lengths, evaluated and monitored in accordance with ASTM D5456, and manufactured with exterior-type adhesive complying with ASTM D2559.

1. Allowable Stresses:

a. Extreme Fiber Stress in Bending, Edgewise (Fb): 2400 psi for 12-inch nominal depth members.

b. Modulus of Elasticity, Edgewise (E): 1,800,000 psi.

D. Laminated-Strand Lumber (LSL): Structural composite lumber made from wood flake strands with grain primarily parallel to member lengths, evaluated and monitored in accordance with ASTM D5456, and manufactured with exterior-type adhesive complying with ASTM D2559.

1. Allowable Stresses:

a. Extreme Fiber Stress in Bending, Edgewise (Fb): 1900 psi for 12-inch nominal depth members.
b. Modulus of Elasticity, Edgewise (E): 1,300,000 psi.

2.2 FASTENERS

A. General: Fasteners are to be of size and type indicated and to comply with requirements specified in this article for material and manufacture. Provide nails or screws, in sufficient length, to penetrate not less than 1-1/2 inches into wood substrate.

B. Nails, Brads, and Staples: ASTM F1667.

C. Power-Driven Fasteners: Fastener systems with an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC70.

D. Wood Screws and Lag Screws: ASME B18.2.1, ASME B18.6.1, or ICC-ES AC233.

E. Carbon Steel Bolts: ASTM A307 with ASTM A563 hex nuts and, where indicated, flat washers all hot-dip zinc coated.

2.3 METAL FRAMING ANCHORS

A. Allowable design loads, as published by manufacturer, are to meet or exceed those indicated. Manufacturer's published values are to be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by qualified independent testing agency. Framing anchors are to be punched for fasteners adequate to withstand same loads as framing anchors.

B. Bridging: Rigid, length to suit joist size and spacing.

C. Materials: Unless otherwise indicated, fabricate from the following materials:

1. Galvanized-Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A653/A653M, G60 coating designation.

PART 3 - EXECUTION

3.1 INSTALLATION OF STRUCTURAL COMPOSITE LUMBER

A. Install to comply with ESR report, manufacturer's written instructions, and applicable code.

1. Install in dry, covered conditions where average in-service moisture content of lumber is 16 percent or less.
2. Install metal framing connections in accordance with AWC's "National Design Specification (NDS) for Wood Construction." Install fasteners through each fastener hole.
3. Install lumber plumb and level. Accurately fit, align, securely fasten, and install free from distortion or defects.
4. Provide temporary bracing to maintain lines and levels until permanent supporting members are in place.

B. Cutting: Confirm size and location of field cutting, notching, and drilling with ESR report, registered design professional, and manufacturer.

END OF SECTION 061715

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SECTION 13 12 50

BLEACHERS, GRANDSTANDS AND PRESS BOX

PART 1 PERFORMANCE CRITERIA

1.01 SCOPE OF WORK

A. Provide outdoor permanent Bleachers, Grandstands, and Press Box as detailed in these performance specifications. Drawings required with bid for clarification of design intent.

B. Provide necessary engineering, material, freight, installation and supervision to provide grandstand seating systems in accordance with the following performance criteria.

1.02 PERFORMANCE CRITERIA

A. The minimum acceptable standards of design are:

1. Grandstand and Bleacher Designs to match design layouts.

- Home Side Football
  - 20 rows by 210’ – I-Beam Grandstand
  - Non-elevated structure,12” riser height and 24” tread depth per row, per plans
  - Interlock fully closed Decking System with secondary gutters
  - Center portal with walkway access above, per plans
  - Aluminum vertical picket rails (Painted Black), along the back of the stand
  - Black vinyl-coated fencing on front, sides and at exits
- Home Side Football Press Box
  - Press box is to be a sloped front “steel-framed” unit
  - 10’ deep by 42’ wide, two-tier press box, per plans
  - Rooftop film platform access by exterior rear stair
  - Full-length rooftop steel frames canopy cover
  - PTAC wall-mounted heat/air-conditioning units
  - Aluminum Vertical picket rails (Painted Black), around the roof platform, exterior access stair and landing platforms
  - Interior finishes per plans
- Visitor Side Football
  - 9 rows by 210’ – Leg Truss Style Grandstand
  - Elevated 48”, 8” riser height and 24” tread depths per row, per plans
  - Tongue-and-groove style decking system, standard closed deck with the use of closure angles, per plans
  - Aluminum vertical picket rails (Painted Black), along the back of the stand
  - Black vinyl-coated fencing on front, sides and at exits
- Auxiliary Field Bleachers
  - (4) non-elevated galvanized steel angle frame units
  - 5 rows by 51’
  - 8” riser height and 24” treads per row
  - Tongue-and-groove style decking system designed as semi-closed
  - Black vinyl-coated fencing at sides and back

- Baseball Field Bleachers
  - Main bleacher is a mitered, non-elevated galvanized steel angle frame unit
  - 7 rows by +-117’ along the back of the miter
  - Secondary bleacher is a non-elevated galvanized steel angle frame unit 3 rows by 51’ long

- Tongue-and-groove style decking system designed as semi-closed
- Black vinyl-coated fencing at sides and back

- Softball Field Bleachers
  - (3) non-elevated galvanized steel angle frame units
  - 7 rows by 33’ long
  - Tongue-and-groove style decking system designed as semi-closed
  - Black vinyl-coated fencing at sides and back

2. Aisle layout is per schematic plans. There shall be center aisle rails or end aisle rails per code.
3. Handicap seating areas per schematic plans and in accordance with local, state and national guidelines.
4. Finishes on all grandstands and bleachers to be “hot dipped” galvanized on the steel understructure, clear anodized on the seat boards. Riser boards to be Dur-Kyn painted finish from standards. Black painted aluminum aisle nosing strips at aisles and stairs risers. Perimeter steel railing risers to be hot dipped galvanized, horizontal pipe rails to be clear anodized and utilizes 6 ga. black vinyl chain link fencing with a 2” mesh pattern. Back of the home and visitor stand and at the home press box to be aluminum vertical picket rails, painted black.
5. Aluminum footboards added to the standard mill finish is an **applied Premium traction coating system**. Provide a premium traction finish that achieves a “high traction” rating as defined by the ANSI/NFSI B 101.1 standards with a minimum of .80 slip co-efficiency rating. The premium traction system must be verified, tested, and proven. Finishes must prevent any surface oxidation staining. Required on grandstand footboards, stairs, and ramps.

B. Signage
   1. Properly label all handicap seating areas

C. Press Box – Type II construction
   1. Press box to be constructed of steel framing.
   3. End viewing glass to match the pitch of the sloped front per plans.
   4. Full-length rooftop filming platform. Entrance to the platform will be by exterior stair extended from the side filming platform
   5. Full-length steel frames roof canopy cover, per plans
   6. Interior finishes shall be listed on the plans you are providing with the bid.

D. An AISC certified steel fabricating plant is a requirement of this project for quality control and assurances. See Section Quality Assurance, C.

E. Stairs and ramps per plans and in accordance with State and Local codes and guidelines.

1.03 RELATED WORK/ RELATED SECTION

A. In accordance with plans and specifications:
   1. Demolition of existing (By G.C.)
   2. Concrete Foundations/Pads (By G.C.)
   3. Main electrical feed and final hook-up to press box (By Electrical Contractor)
   4. Press box Sound System (By Electrical Contractor)
   5. Surveying, site preparation and final grading (By G.C.)
   6. Access to the site for installation equipment and staging (By GC.)

1.04 QUALITY ASSURANCE

A. Manufacturers Qualifications:

1. Manufacturers must have a minimum of ten years of experience in the manufacturing of grandstands and press boxes under current company name.
2. Manufacturer must provide five references of similar projects within the State of Delaware. References shall include scope of work, contract amount, owner's name and phone numbers, contract completion date and actual completion date.

B. Welders must be AWS certified; manufacturing capabilities in accordance with the governmental agencies having jurisdiction.

C. Steel fabrication to be done in an AISC certified plant or in compliance with IBC Chapter 17. A third party AISC approved inspection agency must be hired to complete and properly document these inspections. The agency must disclose any possible conflicts of interest so that objectivity can be confirmed. Certified reports shall be submitted directly to the architect for confirmation. All associated costs shall be inclusive with the manufacturers bid.

D. Installers Qualifications:
1. Factory-trained and experienced in the installation of grandstands.
2. Source Quality Control: Mill Test Certification.
3. Single Source Responsibility: Obtain all of each distinct material required from a single manufacturer.

E. Code Compliance: Provide aluminum bleachers to meet or exceed all State and Local applicable codes and in compliance with the International Building Code and the IBC/ICC National Code and CABO/ANSI A117.1 Barrier Free Sub code, Current Adopted Edition.

1.05 SUBMITTALS

A. Product Data: Submit technical data for each distinct type of material, component and accessory indicated.
1. Include information which specifically details physical properties and performance characteristics.

B. Shop Drawings: Manufacturer to submit shop drawings with the bid. After award submittal drawings should be submitted with structural design calculations signed and sealed by a licensed Professional engineer (state of project location), and schedules for type, location, quantity and details of all aluminum components required for this project.
1. Indicate on shop drawings that products are in compliance with International Building Code and all other State and Local Codes and Regulations.
2. Concrete designed per American Concrete Institute Guidelines
3. Samples: Submit manufacturer's samples upon request.

C. Certificate: Submit manufacturer's certification that materials furnished comply with requirements indicated and also in compliance with the International Building Code along with all other applicable Federal, State and local codes, and that materials meet or exceed test requirements indicated.

1.06 WARRANTY

A. Submit a written warranty signed by the manufacturer, installer, and the contractor, guaranteeing to correct failures for a period of one (1) year after substantial completion, without reducing or otherwise limiting any other rights to correction which owner may have under the contract documents. Failures are defined to include faulty workmanship or faulty materials. Correction may include repair or replacement.

1.07 BUILDING CODES

A. Comply with all applicable which includes but not limited to the following:
1. International Building Code- Current Edition
2. AISC Manual of Steel Construction, 9th Edition
3. Aluminum Association of America Guidelines
4. International Building Code Guidelines for Accessibility, Current Edition
5. American Concrete Institute
6. COMcheck approval required for the Press box using the 2021 energy conservation code

B. The bleacher shall be designed to support, in addition to its own weight, a uniformly distributed live load of not less than 100 pounds per square foot of gross horizontal projection of the bleacher. And 6 pounds per square foot of dead load on seats, footboards, risers and steel framing.

C. All seat and footboard members shall be designed to support not less than 120 pounds per linear foot. The bleacher shall be designed to resist, with or without live load, horizontal wind load appropriate for local conditions. It shall also be designed to resist, in addition to the live load, sway forces applied to the seats in a direction parallel to the length of the seat planks 24 pounds per liner foot; and, in a direction perpendicular, stresses in aluminum members and connections shall not exceed those specified for Building Type Structures by the Aluminum Association.

D. General: The structure shall be properly braced for wind and construction loads until all structural elements are secured. Lateral and longitudinal bays shall be cross-braced as required. Guardrails shall be of adequate size, location, and height to meet specified codes and designed to carry required loads. Exit stairs and intermediate aisle stairs shall be completely closed, in the direction of travel and shall have a maximum rise of 7” and a minimum tread of 11”.

E. Code Compliance: Submittals shall be based upon specifications and drawings contained in the bid documents. Architect will not review any design or product changes prior to the bid date. Design changes to reduce overall aisle egress calculations or number of stair and ramp exits will not be allowed. All bidders must bid in accordance with these specifications.
   1. The Bleacher Contractor shall be responsible to meet the code interpretation provided in the bid documents and modify as required by state or local governmental review boards.
   2. Calculations that demonstrate code compliance with egress and exit of aisles, stairs, and ramps are a required submission with approved drawings.

1.08 MAINTENANCE

A. Manufacturer's Recommendations:
   1. Owner conduct annual visual inspection and required maintenance of grandstand and press box to assure safe conditions.
   2. It is also recommended that a professional engineer, registered architect or certified grandstand representative performs inspections biennially.

PART - 2

2.01 PRODUCT MANUFACTURERS

A. The intent of this specification is to only allow for bidders that can prove they meet the performance criteria. The basis of Design is **Southern Bleacher Company**, Graham TX

B. Products specified herein have been selected because of their quality of construction, configuration, design, function, available finishes, components, accessories, dimensions, shape and style.

C. Manufacturers bidding will be held financially responsible for adhering to the products performance criteria herein. No additional money will be allocated after award, nor will consideration given for non-compliance with the specified products.

D. Only the Architect/Owner reserves the right to accept or approve alternate Bleacher manufacturers equal to Southern Bleacher Company.

2.02 GALVANIZED STEEL CLEAR SPAN I-BEAM GRANDSTAND HOME FOOTBALL, LEG TRUSS STYLE VISITOR FOOTBALL, AUXILIARY FIELD – BASEBALL – SOFTBALL FIELDS ARE ANGLE FRAME PER THE LISTING ABPVE IN THE SPECIFICATIONS.

A. Product Description HOME SIDE FOOTBALL–
   1. The intent of the product design is to reduce and minimize the deflection of the aluminum deck and allow for future reconfiguration of seating as may be needed. All individual deck members shall be fitted together longitudinally at all tread, front walk and cross walk locations. This design, in ambient conditions, allows for expansion and contraction without

damage or deformation of the aluminum deck. All deck members shall be secured with two hold down clips at each structural member.

2. Galvanized steel non-elevated permanent I-Beam home grandstand
3. Framing and spacing of all columns to follow the drawings. Crossbracing will be within every other bay starting with the end section.
4. Front Walkway:
   a. Grandstand is non-elevated on the home side.
5. Entry stairs (visitor side) to be firmly anchored to uniformly poured concrete bases.
   a. Stair rise: 7 inches (max) per Building Code with vertical aluminum closure.
   b. Stair tread depth: 11 inches (min) per Building Code with contrasting extruded aluminum aisle nosing at leading edge of each tread.
   c. Guardrails on Stair to be 42 inches above leading edge of step with two- line anodized aluminum rail and filled with 6-gauge black vinyl coated chain link fence (2" mesh). Back row of football home and visitor to be aluminum vertical picket rails painted black.
   d. Stairs to have offset handrail extensions on each side of stair. The handgrip portion of handrails shall not be less than 1 1/2 inches or more than 2 inches in cross-sectional dimension or the shape shall provide an equivalent gripping surface. The handgrip portion of handrails shall have a smooth surface with no sharp corner. The top of handrails and handrail extensions shall be placed not less than 34 inches or more than 38 inches above the nosing of treads and landings. Handrails shall be continuous the full length of the stairs and shall extend in the direction of the stair run not less than 12 inches beyond the bottom riser. Ends shall be returned or shall terminate in newel posts or safety terminals. Handrails shall be extruded anodized aluminum.
6. Aisles:
   a. Aisles with seating on both sides to have 34-inch high handrail with intermediate rail at approximately 22 inches above tread. Aisles with seating on one side shall have 34-inch high handrail attached to guardrail system. Handrail shall be mounted to provide clearance from guardrail system in accordance with building code.
   b. Pre-fabricated anodized aluminum handrails with continuous rounded ends are discontinuous to allow access to seating through a space 22 inches (min.) to 36 inches (max.).
      1) Handrails shall connect to decking / riser surface without penetration of the deck system. Any attachment which must have holes drilled through the decking or intermediate step members is not acceptable.
      2) If half steps are required, these steps shall be constructed of the same materials as the treads and risers of the grandstands. Ends shall be completely closed and attached with same mechanical fasteners as used for seat brackets. Extruded aluminum contrasting aisle nosing shall be mechanically fastened to the leading edge of each step.
7. Aluminum Decking System:
   a. Bleachers: rise per and tread depth per plans.
   b. Each seat 17 inches above its respective tread.
   c. Decking arrangement: interlock decking for the home grandstand per section plans; tongue-and-groove for all other bleachers with angle closures on the visitor side only.
   d. The seats shall be 2 x 10 flat designed extruded aluminum alloy, 6063-T6 with clear anodized 204R1, AA-M10C22A31, Class II finish. Seats shall have serrations on top side to allow for safety of occupants.
   e. The intent of the product design is to reduce deflection of aluminum deck and to minimize fluid drainage below spectator seating.
   f. All individual deck members shall be locked together longitudinally at all treads, front walk and cross walk locations. Decking to be pitched with a ½% slope.
   g. This design, in ambient conditions, allows for expansion and contraction without damage or deformation of the aluminum deck.

h. The locking design does not allow any fluids to pass to the ground under the spectator seating.
i. The system shall cause the deck planks to react together at all treads and cross walks to live load and form the appearance of a single tread system. By design, this system forms a solid, overlapping tread and riser installation.
j. The nose extrusion at aisles shall allow for a 1" extruded aluminum contrasting nose piece to be flush mounted on the leading edge and shall capture the vertical riser plank in an extruded pocket. The heel extrusion shall have a .70" vertical lip at the rear of the plank to allow for placement of vertical riser plank.
k. These extrusions shall be such that the attachment of the seat brackets, step brackets, mid-aisle rails and all other components is accomplished without deck penetrations at aisle locations.
l. The system shall allow for seat and aisle reconfiguration at any time without evidence of its previous configuration.
m. **A secondary gutter (home side only) placed below footboard butt joints shall consist of doubling the stringers at these locations and placing a galvanized formed gutter between the stringers placed approximately 12" apart. The gutter starts at the top of the stand and terminates at a collector box just below row #1. Transferring the water from the collector box to the site drainage location will be the responsibility of the general pr site contractor.**
n. Entry stairs to be a minimum 2 x 11 mill finish aluminum with inset extrusion to accept contrasting nosing member.
o. Ramp planks to be interlocking to resist deflection of live loads.
p. Open ends of planks to be covered with anodized aluminum end caps, securely fastened to the plank.
q. Joint sleeves: Dual joint sleeves to be inserted at each butt joint of each load bearing aluminum plank, and to penetrate 6 inches into each plank at the joint.

10. Guard railing: To be at all sides of bleacher, entry stairs, ramps portals and landings.
    a. Vertical rail risers to be galvanized steel angle 3" x 3" x ¼ (50 ksi) for steel to steel connection and fastened with 3/8" galvanized hardware
    b. Horizontal railing to be anodized aluminum with aluminum cast end plugs at ends of straight runs and/or elbows at corners.
    c. All guards shall be secured to vertical rail members with hot dipped galvanized fasteners and clamps
    d. Railings shall be placed at a minimum of 42" above walkways, entrances and adjacent seat boards.
    e. The barrier material shall include 6 - gauge black vinyl-coated chain-link fencing, fastened in place with hot-dip galvanized tension bars and aluminum ties.
    f. As noted the back of the home and visitor football stands has aluminum vertical picket rails painted black. Rail risers are galvanized and horizontal pipe is clear anodized aluminum.
11. Ramps:
    a. Slope: 1 in 12.
    b. Guardrails to be 42 inches above ramp with two-line anodized aluminum rail and in filled with 6- gauge black vinyl coated chain link fence (2" mesh) and 2 x 6 extruded aluminum toe board.
    c. Handrail: Ramps to have handrail extensions. The handgrip portion of handrails shall not be less than 1 1/2 inches or more than 2 inches in cross-sectional dimension or the shape shall provide an equivalent gripping surface. The handgrip portion of handrails shall have a smooth surface with no sharp corners. The top of handrails and handrail extensions shall be placed not less than 34 inches or more than 38 inches above the ramp surface. Handrails shall be continuous the full length of the ramp and shall extend in the direction of the ramp not less than 12 inches beyond the end of the ramp. Ends shall be returned or shall terminate in newel posts or safety terminals. If returned, rail must be smooth with no external fittings.

d. Termination: Ramps shall end with smooth transition onto level concrete pad at benchmark elevation. Aluminum plate with end closures required.

12. Handicap provision:
    a. Quantity of wheelchair spaces: as shown on drawings and in full compliance with ADA Standards set forth in International Building Code Accessibility Regulations
    b. Riser area adjacent to wheelchair spaces to have intermediate construction so 4-inch sphere cannot pass through opening.
    c. Guardrail: Area directly behind handicap areas shall have two-line anodized aluminum rail attached to the riser members. These rails shall be pre-fabricated to match the appearance of the mid-aisle handrails. A toe rail shall be attached to the base of the rail.

B. Substructures:
1. Structural shapes meet one of the following ASTM specifications: A36, A36/A572 grade 50, A572 grade 50, A529-50, or A500 grade B.
2. Shop connections are seal welds.
3. After fabrication, all steel is hot-dipped galvanized to ASTM-A-123 specifications. Painted and/or powder coated steel does not offer proper protection and is not an acceptable protective finish for this project
4. All hardware shall be hot-dipped galvanized to ASTM A-123, mechanically galvanized or aluminum (aluminum applies to pop rivets, drive rivets, wire ties).
5. A minimum of 3/8” galvanized connection hardware to be used on the substructure

C. Extruded Aluminum:
1. Seat Planks and Railing are extruded aluminum alloy, 6063-T6 with clear anodized 204R1, AA-M10C22A31, Class II finish.
2. Riser planks and continuous aluminum backrests are extruded aluminum alloy, 6063-T6 with Dur-Kyn painted finish, per location on plans.
3. Tread, stair and ramp planks are extruded aluminum alloy 6063-T6 mill finish
4. Joint Sleeve Assembly to be inserted in flat plank to maintain true alignment in joining together two plank pieces. Extruded aluminum alloy, 6063-T, mill finish.

D. Accessories:
1. Channel End Caps: Aluminum alloy 6063-T6, clear anodized 204R1, AA-M10C22A31, Class II. Mechanically fastened.
2. Cast End Plugs: Aluminum 319 alloy, cast finish. (Required at termination ends of railing)
3. Hardware:
    a. Bolts, Nuts: Hot-dipped galvanized or mechanically galvanized.
    b. Hold-down Clip Assembly: Aluminum alloy 6005A-T6, mill finish.
    c. Structural Hardware: Equal to or greater than hot dipped galvanized ASTM-A307. No connections utilizing high strength bolts are classed as slip critical.
    d. Aisle Nose and Stair Nose: Aluminum alloy, 6063-T6, slip-resistant black painted finish. Mechanically fastened.
    e. Fabrication:

E. Design Load:
1. Live Load: 100 psf gross horizontal projection.
2. Lateral Sway Load: 24 plf seat plank.
3. Perpendicular Sway Load: 10 plf seat plank.
4. Live Load of Seat and Tread Planks: 120 plf.
5. Handrails and Guardrail: Designed to resist a single concentrated load of 200# applied in any direction at any point along the top. Per the Internaitonal Building Code.
6. Wind load: Per State and Local Building Code.
7. Liveload deflection of structural members shall be limited to L/200 of the span.

F. All manufactured connections to be shop welded.

1. Manufactured by certified welders conforming to AWS Standards.

2.03 PRESS BOX WITH STEEL FRAME CONSTRUCTION WITH TWO INTERIOR LEVELS

A. Product Description: Steel Frame Construction.

B. Press box Dimensions: (10) feet wide x (42) feet long

C. Press box to be constructed with rear exterior stair access to filming platform

D. Special Inspections- third party inspection to be completed and documented at the fabrication facility in accordance with PA Regulations.

E. Press Box Support Structure:
   1. Structural shapes meet one of the following ASTM specifications: A36, A36/A572 grade 50, A572 grade 50, A529-50, or A500 grade B.
   2. Shop connections are seal welds.
   3. After fabrication, all steel is hot-dipped galvanized to ASTM-A-123 specifications.

F. Press Box: All materials shall be new and shall comply with ASTM specifications.
   1. Floor
      a. Main support to be a galvanized steel floor frame sized to support structure and metal belly pan for support of insulation.
      b. Floor to be INTERLOCK Aluminum Decking System, extruded aluminum alloy 6063-T6. Attach Decking System to steel floor frame with mechanical fasteners at end of plank and at intermediate supports. Wood/plywood base decking has proven to deteriorate over time and is not an acceptable alternative.
      c. Insulation: Kraft faced fiberglass building insulation thickness in compliance with 2015 energy conservation code. Batt or roll as manufactured by Owens-Corning Fiberglass Corp., or equal.
      d. Wall Structure Steel Framing
         1) 4 inch x 4 inch x 11 gauge square tubing with maximum span of 14 feet on front wall and maximum span of 6 feet on back wall and 4 inch x 2 1/2 inch x 14 gauge steel "cees" with maximum spacing of 5 feet for all walls with siding. Spans greater than these require engineered calculations for design.
         2) Insulation: Kraft faced fiberglass building insulation R-11, 3 ½ inches thick. Batt or roll as manufactured by Owens-Corning Fiberglass Corp., or equal. Insulation shall be in accordance with the 2021 International Energy Conservation code.
         3) Interior Finish
            (a) 1/2 inch vinyl coated gypsum panels, Gold Bond vinyl-surfaced
            (b) Cove Base: Vinyl 4 inches x.080 color to be medium gray.
         4) Exterior Finish
            (a) 26 - gauge prefinished R-Panel paneling as manufactured by MBCI, Signature 200 color series, color to be determined. Vinyl clad siding is not an acceptable product.
            (b) Wall panels are attached with #12 TEK screws - 6” O.C. at the top and bottom of the panels. Lap screws are placed at each end of the panels, at the intermediate supports, and at the mid-point between supports (TEK #14). All fasteners to be painted same color as exterior paneling.
      e. Roof Structure
         1) 4 inch x 4 inch x 11 gauge square tubing with maximum spacing of 6 feet on center and 4 inches x 2 1/2 inches x 14 gauge steel "cees" with maximum spacing of 2 feet on center.
         2) Roof: 1/8 inch four way steel plate roof, continuous welded seams coated with acrylic metal primer as manufactured by Coronado and 36 mils of acrylink roof coating as manufactured by Isothermal Protective Coatings, or equal. Plate is welded on both sides of rafters with 1-1/2 inch long 1/8 inch fillet welds on 12 inch centers. Plywood sheathing will not be accepted.
         3) Insulation: Kraft faced fiberglass building insulation, R-19 (minimum) 6 inches thick. Batt or roll as manufactured by Owens-Corning Fiberglas Corp., or equal.

4) Cornice: 26 gauge steel prefinished- color to be determined.
5) Ceiling: 24 inch x 24 inch x 5/8 inch acoustical ceiling tile architectural revealed edge style wind clips and other components as manufactured by USG, or equal.

f. Exterior Doors
1) Full flush steel construction with honeycomb core. 18 gauge skin sheets. Dimensions: 3 feet 0 inches x 6 feet 8 inches. Color: White.
2) Steel door frame (16 gauge) complete with 1/2 inch threshold and weather-stripping.
3) Exterior Hardware (Prior to completed fabrication check with the district to verify what core lock system they use): Yale 546F Exterior Trim, or equal. Handles shall be lever type that allows operation without tight grasping or twisting of the wrist. All exterior hardware must accommodate this.
4) Interior Hardware: Yale 2100 Exit Device, or equal. Handle shall be panic bar that allows for opening without any grasping, twisting or turning.
5) Interior Walls
(a) Framing to be steel galvanized studs (25 gauge) 1 1/4 inch x 3 5/8 inch at maximum 2 feet on center.
(b) Finishes to be consistent with all other interior finishes.
(c) A 24” x 56” interior window in each wall.

g. Windows
1) Frame: Extruded aluminum single hung, vertical sliding unit, thermal break.
2) Sash: Tilt toward inside for easy cleaning.
3) Glazing: Clear tempered panes.
4) Dimensions of each unit: Dependent on compartment size. At interior wall locations or structural support locations the dimension between windows shall be no greater than 6 inches.
5) Finish: Electrostatically applied acrylic enamel.

h. Work Bench
1) 18 inch deep clear anodized aluminum countertop with a radius front edge.
2) Support using 4” x 2” x 14 ga. Steel “cee” on 4” x 4” x 11 ga. Sq. tubing welded to steel.
3) Shelf brackets do not provide proper support and are not acceptable.

i. Painting: Materials equal to. Coronado or equal.
1) Surfaces: Exterior Door(s), Door Frame(s)
(a) Primer: Applied by Door Manufacturer.
(b) Finish: 2 coats acrylic latex semi-gloss enamel applied by press box manufacturer.
2) Surfaces, Exterior Siding
(a) Primer: Applied by Siding Manufacturer.
(b) Finish: Applied by Siding Manufacturer.
(c) Touchup: If applicable
3) Surfaces: Wall and Roof Structure
(a) Primer: Coronado DTM Industrial 180-11 acrylic metal primer applied after welding, or equal.

j. Caulking: Sonneborn NP1 - Polyurethane sealant, All temperature, UV resistant, or equal. Silicone products are not acceptable.

k. Electrical Work:
1) Submittal drawing shall indicate devices and circuitry.
2) Fixtures: Recessed Edgelit LED panel light fixture for use in grid ceiling systems.
3) Wiring to be in nonmetallic Panduit, or equal. N.E.C. breaker box to be 100 amp service mounted on wall with 2 inch rigid conduit to be stubbed out at back wall of press box ready for service line to be connected.
4) Service line to Press Box (By Electrical Contractor)
5) Electrical outlet(s) installed per NEC shall be standard duty.

(a) All outlets shall be surface mounted on wall.

6) Sound, Telephone, Clock, Field Communication: Empty double outlet boxes per N.E.C. with 3/4 inch conduit stubbed out bottom of Press Box. Electrical contractor is responsible for re-connecting all electric, telecommunications and audio visual wiring, conduit and equipment to the press box.
7) Outlet boxes to be flush mounted into wall. Any wiring completed on-site will be responsibility of such contractor for inspections. Quantity per plans.
8) Provide wall mountedPTAC heat/air conditioning wall mounted units per plans
10) Provide in each room an emergency combination exit/flood light with battery back-up. Also provide exterior emergency light with remote heads.
11) Provide (2) wall mount exterior lights with photocell

l. Provide fire extinguishers at each exit door (2) total.

PART 3 - EXECUTION

3.01 INSTALLATION

A. All work performed by technicians experienced in bleacher seating. Project references may be required to verify the quality of finished projects.

B. Installation with proven experience in the northeast region. Requirement for a minimum of (3) installer references in for this project of similar size and scope.

C. Project is only to be installed as per approved shop drawings.

3.02 EXAMINATION

A. Verify that foundation, floor slab, mechanical and electrical utilities, and placed anchors are in correct position

3.03 ERECTION

A. Provide for erection and wind loads. Provide temporary bracing to maintain structure plumb and in alignment until completion of erection and installation of permanent bracing. Locate braced bays as indicated.

B. Do not field cut or alter structural members without approval.

3.04 CLEAN-UP

A. Clean up all debris caused by work of this section removed from site.

B. Upon completion of the work and final inspections, bleacher manufacturer installer shall broom clean the stand removing all loose debris.

END OF SECTION 13125

SECTION 281500
INTEGRATED ACCESS CONTROL HARDWARE DEVICES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes access control door hardware for the following:

1. Swinging doors.
2. Other doors to the extent indicated.

B. Section includes, but is not necessarily limited to, the following for the integrated access control security and site management system:

1. Electrified and Integrated Access Control Card Key Door Hardware.

C. Related Sections:

1. Division 06 Section “Rough Carpentry”.
2. Division 08 Section “Door Schedule”.
3. Division 08 Section “Door Hardware Schedule”.
4. Division 08 Section “Hollow Metal Doors and Frames”.
5. Division 08 Section “Flush Wood Doors”.
6. Division 08 Section “Aluminum-Framed Entrances and Storefronts”.
7. Division 26 Section "Electrical”

D. Codes and References:

1. ANSI A117.1 (1998) - Accessible and Usable Buildings and Facilities.
2. IBC - International Building Code
3. NFPA 70 (2002) - National Electrical Code.
4. NFPA 80 (1999) - Fire Doors and Windows.
5. NFPA 101 (2006) - Life Safety Code.
6. UL 294 - Access Control Systems.
7. UL 1076 - Proprietary Burglar Alarm Units and Systems.

E. Products installed but not provided under this Section include the following. Coordination to remain a requirement of this Section.

1. Security or High Security keyed cylinders, including provisions for temporary construction keying, for mechanical override at access control locking hardware to be furnished under Division 8 Section "Door Hardware".

1.03 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. System Operational Descriptions: Complete system operational narratives for the integrated access-controlled openings defining the owner's prescribed requirements for the opening functionality. Narratives include, but are not limited to, the following situations: normal secured/unsecured state of door; authorized access; authorized egress; unauthorized access; unauthorized egress; fire alarm and loss of power conditions, and interfaces with other building control systems.

C. Shop Drawings: Details of electrified integrated locking hardware and access control firmware, indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication and control of the access control system electrified hardware and firmware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

   a. Elevation diagram of each unique access-controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
   b. Complete (risers, point-to-point) access control system block wiring diagrams.

2. Electrical Coordination: Coordinate with related Electrical Sections the voltages and wiring details required at electrically controlled and operated hardware openings.

D. Proof of Certification: Upon request provide a copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified and authorized provider of the primary access control components.

E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete access control and site management installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and telephone number of the supplier/integrator providing the installation and the nearest service representatives for each item of equipment included in the system. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.

1. As-Built Drawings: During system installation, the Contractor to maintain a separate hard copy set of drawings, elevation diagrams, and wiring diagrams of the access control system to be used for record drawings. This set to be kept up to date by the Contractor with all changes and additions to the access control system accurately recorded.

F. Warranties and Maintenance: Special warranties and maintenance agreements specified in this Section.

1.04 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum of five (5) years of documented experience in providing access control and security systems equipment and

software similar to that indicated for this Project and that have a proven record of successful in-service performance.

1. Software and access control systems components to have been previously and thoroughly tested together with proven installations similar in size and functionality to the design requirements indicated for this Project.

B. System Integrator Qualifications: Systems Integrators, verifiably factory trained and certified by the primary product manufacturers, with a minimum of three (3) years documented experience installing complete integrated access control systems similar in material, design, and scope to that indicated for this Project and whose work has resulted in construction with a proven record of successful in-service performance. Qualifications include, but are not necessarily limited, to the following:

1. References: Provide a list of references for similar projects including contact name, phone number, name and type of project.
2. Professional Staffing: Firms to have a dedicated access control systems integration department with full time, experienced professionals on staff experienced in providing on site consulting services for both electrified door hardware and integrated access control systems installations.
3. Factory Training: Installation and service technicians are to be competent factory trained and certified personnel capable of maintaining the system.
4. Service Center: Firms to have a service center capable of providing training, in-stock parts, and emergency maintenance and repairs at the Project site with 24-hour/7-days a week maximum response time.

C. Installer Qualifications: Certified technicians, verifiably authorized with the primary product manufacturers for installation of IP-Enabled, Wireless, and Power-over-Ethernet Access Control products in accordance with documented instructions and NFPA 80.

1. ASSA ABLOY access control products are required to be installed only through designated "Preferred Installers."

D. Source Limitations: Obtain the access control door hardware, system firmware and application software specified in this Section from a single source, qualified supplier/integrator unless otherwise indicated.

1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
2. Provide integrated access control door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.

E. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the model building code including, but not limited to, the following:

1. Comply with NFPA 70 "National Electrical Code", including electrical components, devices, and accessories listed and labeled as defined in Article 100 by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
2. Where indicated to comply with accessibility requirements, comply with Americans with Disabilities Act (ADA), "Accessibility Guidelines for Buildings and Facilities (ADAAG)," ANSI A117.1.
3. Comply with NFPA 101 "Life Safety Code" for doors in a means of egress.
4. Comply with NFPA 80 "Fire Doors and Windows" for fire labeled opening assemblies.

5. The installed access control system shall conform to all local jurisdiction requirements.

F. Keying Conference: Reference Division 8 Section "Door Hardware".

G. Pre-Submittal Conference: Conduct conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier/Dealer, Systems Integrator, and Contractor to review proper methods and procedures for receiving, handling, and installing the access control system hardware. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedules.

1. Inspect and discuss Division 26 electrical roughing-in and similar preparatory work performed by other trades.
2. Review and verify sequence of operation descriptions for each unique access controlled opening.
3. Review and finalize construction schedule and verify availability of materials.
4. Review the required inspecting, testing, commissioning, and demonstration procedures.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Do not store electronic access control hardware, software or related accessories at Project site without prior authorization.

1. Access control firmware and software: Where approved and directed, inventory upon receipt and store electronic access control equipment in a secure, temperature and humidity controlled environment in original manufacturer's sealed containers.

B. Tag each item or package separately with identification related to the final Access Control Door Schedule, and include basic installation instructions with each item or package.

C. Deliver permanent keys, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner established at the “Pre-Submittal Conference".

1.06 COORDINATION

A. Coordinate quantity and arrangement of assemblies with ceiling space configuration and with components occupying ceiling space, including structural members, pipes, air-distribution components, raceways, cable trays, recessed lighting fixtures, and other items.

B. Access Control System Electrical Coordination: Coordinate the layout and installation of scheduled electrified door hardware, and related access control equipment, with required connections to source power junction boxes, power supplies, detection and monitoring hardware and fire alarm system.

1. Door Hardware Interface: The card key access control system to interface and be connected to electronic door control hardware (electromechanical locks, electric strikes, magnetic locks, door position switches, other monitoring contacts, and related auxiliary control devices) as described under Division 8 "Door Hardware". Coordinate the installation and configuration of specified door hardware being monitored or controlled with the controls, software and access control hardware specified in this Section.

C. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing electrified door hardware and access control system components. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing access control system hardware to comply with indicated requirements.

D. Door and Frame Preparation: Related Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.07 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article will not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and are in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of the installed access control system hardware and software that fails in materials or workmanship, including all related parts and labor, within specified warranty period after final testing and acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
4. Electrical component defects and failures within the systems operation.

C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

D. Special Warranty Periods (Electrified Access Control Door Hardware):

1. Two years for Electrified, Wiegand Output, and IP-Enabled Access Control Door Hardware.

E. Maintenance Support and Extended Service Agreement: Submit for Owner’s consideration an optional extended Service Agreement for the installed access control system, including support for software related issues. The extended Service Agreement is considered elective and is without manufacturer's requirement stipulating mandatory coverage for owner and/or vendor system support.

1. A published copy of this agreement to be included with the submittal package
2. Support for the installed access control system components is provided through the vendor under a 24 hour technical assistance program.
3. Access control and management system components are to be available on a one-day turn around time frame from the manufacturer.
4. Primary systems manufacturer to offer and provide remote modem or internet access for direct factory support to the vendor. The factory level support to include diagnostics and troubleshooting support on systems related issues at no additional cost to the owner.

F. Access Control Software Upgrades: Version upgrades and "fix" releases to the access control system software are available at no extra charge as long as the version of software

provided under this specification remains the current manufacturer's version or for up to (2) years after a new version release.

1. Major access control software revisions that provide new functionality to the product provided free of charge for up to one (1) year from the date of substantial completion.
2. Access control system software is to be upgradable as may be required or as necessary, to expand and manage the owner's site or sites. Upgrades are to be offered at a published flat fee for the primary system software, with single license modules included in the primary fee structure. System upgrades offered at a costing structure based upon the original number of licensed modules issued, or on those to be purchased at a future date, are not allowed.
3. As part of the submittal package, provide a list of available software upgrades and/or expansions modules. List to identify related costs for upgrades, or expansions to the original system, up to the next qualifying operational level.

1.08 MAINTENANCE SERVICE

A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of the installed access control system hardware and components.

B. Maintenance Service: Beginning at Substantial Completion, and running concurrent with the specified warranty period, provide continuous (6) months full maintenance by skilled employees of the Systems Integrator. Include repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door opening operation. Provide parts and supplies as used in the manufacture and installation of original products.

PART 2 - PRODUCTS

2.01 INTEGRATED WIRED OUTPUT ACCESS CONTROL, MULTI-CLASS READER

A. Integrated Wired Output Multi-Class Mortise Locks: Wiegand or Open Supervised Device Protocol (OSDP) output ANSI A156.13, Grade 1, mortise lockset with integrated card reader with or without keypad option, request-to-exit signaling, door position status switch, and latchbolt monitoring in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle trim, 3/4" deadlocking anti-friction latch, and 1" case-hardened steel deadbolt. Lock is U.L listed and labeled for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand or OSDP compatible access control systems. Latchbolt monitoring and door position switch act in conjunction to report door-in-frame (DPS) and door latched (door closed and latched) conditions.
2. Integrated reader supports the following credentials:
   a. 125kHz proximity credentials: HID, AWID, Indala, and EM4102.
   b. 13.56 MHz proximity credentials: HID Secure Identity Object™ (SIO) on iCLASS Seos, HID iCLASS, HID iCLASS SE/SR, MIFARE Classic, DESFire EV1 and EV2.
   c. 2.4 GHz credentials: Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
   d. ISO14443A/B (PIV-compatible Transparent FASC-N read) available with pivCLASS variant.

e. NFC-enabled mobile phones
f. PIN code only or PIN + credential with keypad option.

3. 12VDC external power supply required for reader and lock, with optional 24VDC lock solenoid. Fail safe or fail secure options.
4. Energy Efficient Design: Provide lock bodies which have a holding current draw of 500mA maximum and can operate on either 12 or 24 volts. Locks are to be field configurable for fail safe or fail secure operation.
5. Support end-of-line resistors contained within the lock case.
6. Installation requires only one cable run from the lock to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
7. Installation to include manufacturer's access control panel interface board or module where required for Wiegand or OSDP output protocol.

8. Manufacturers:

a. Sargent Manufacturing (SA) - SN200/SN210 8200 Series.
b. No Substitution.

B. Integrated Wired Output Multi-Class Exit Hardware: Wiegand output ANSI 156.3 Grade 1 rim, mortise, and vertical rod exit device hardware with integrated card reader with or without keypad option, latchbolt and touchbar monitoring, and request-to-exit signaling, in one complete unit. Hard wired, solenoid driven locking/unlocking control of the lever handle exit trim with 3/4" throw latch bolt. U.L listed and labeled for either panic or "fire exit hardware" for use on up to 3 hour fire rated openings. Available with or without keyed high security cylinder override.

1. Open architecture, hard wired platform supports centralized control of locking units with new or existing Wiegand or OSDP compatible access control systems. Inside push bar (request-to-exit) signaling and door position (open/closed status) monitoring (via separately connected DPS).
2. Integrated reader supports the following credentials:

a. 125kHz proximity credentials: HID, AWID, Indala, and EM4102.
b. 13.56 MHz proximity credentials: HID Secure Identity Object™ (SIO) on iCLASS Seos, HID iCLASS, HID iCLASS SE/SR, MIFARE Classic, DESFire EV1 and EV2.
c. 2.4 GHz credentials: Secure Identity Object™ (SIO) on Mobile IDs (Bluetooth Smart)
d. ISO14443A/B (PIV-compatible Transparent FASC-N read) available with pivCLASS variant
e. NFC-enabled mobile phones
f. PIN code only or PIN + credential with keypad option

3. 12VDC external power supply required for reader. 24VDC required for solenoid operated exit trim. Fail safe or fail secure options.
4. Installation requires only one cable run from the exit hardware to the access control panel without requirements for additional proprietary lock panel interface boards or modules.
5. Competitor Alternates Allowed Option: Installation to include manufacturer's access control panel interface board or module where required for Wiegand or OSDP output protocol.

6. Manufacturers:

a. Sargent Manufacturing (SA) - SN200/SN210 80 Series.

b. No Substitution.

2.02 CABLES AND WIRING

A. Comply with Division 27 Section "Conductors and Cables for Electronic Safety and Security."

B. Data Line Supervision: System to include alarm initiation capability in response to opening, closing, shorting, or grounding of data transmission lines.

C. Install appropriate number of conductor pairs, in the wire gage (AWG) recommended by manufacturer, corresponding to the electronic locking functions specified, amperage drawn and distances covered between the power supplies, power transfer devices, electrified hardware and access control equipment.

2.03 OPENING LABELS

A. Provide 1"W x 2"H gloss polyester label imprinted with door mark and QR-type code readable via IR and visible light scan. QR code links to a security credential protected site displaying the installed door opening information. Label constructed with a high-performance, permanent acrylic adhesive resistant to chemicals, smear and scratch, and repeated freeze and thaw cycles. Face stock of label to be white or clear coated, 2.0 mil thickness with tensile strength meeting or exceeding 18,000 psi.

1. Approved Manufacturer: Openings Studio™ Smart Tags (AA).

2.04 ACCESS CONTROL HARDWARE FINISHES

A. Standard: Comply with BHMA A156.18.

B. Protect mechanical finishes on exposed surfaces from damage by applying temporary protective coverings before shipping.

C. Where specified, finishes on integrated card key locksets or exit hardware to incorporate an FDA recognized antimicrobial coating (i.e., MicroShield™) listed for use on equipment as a suppressant to the growth and spread of a broad range of bacteria, algae, fungus, mold and mildew.

D. BHMA Designations: Comply with base material and finish as specified.

END OF SECTION 281500

SECTION 011100 - SUMMARY OF WORK

1. RELATED DOCUMENTS

   A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Sections, apply to work of this Section.

2. CONTRACTS

   A. The work will be performed under separate prime contracts managed by the Construction Manager.

3. ALTERATIONS & COORDINATION

   A. Contractor shall be responsible to coordinate their work with the work of others, including, but not limited to, the preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of activity, through project close-out and warranty periods.

4. KNOWLEDGE OF CONTRACT REQUIREMENTS

   A. The Contractor and his Subcontractors, Sub-subcontractors and material men shall consult in detail the Contract Documents for instructions and requirements pertaining to the Work, and at his and their cost, shall provide all labor, materials, equipment and services necessary to furnish, install and complete the work in strict conformance with all provisions thereof.

   B. The Contractor will be held to have examined the site of the Work prior to submitting his proposal and informed himself, his Subcontractors, Sub-subcontractors and material men of all existing conditions affecting the execution of the Work.

   C. The Contractor will be held to have examined the Contract Documents and modifications thereto, as they may affect subdivisions of the Work and informed himself, his Subcontractors, Sub-subcontractors and material men of all conditions thereof affecting the execution of the Work.

   D. The Scope of Work for the Contract is not necessarily limited to the description of each section of the Specifications and the illustrations shown on the Drawings. Include all minor items not expressly indicated in the Contract Documents, or as might be found necessary as a result of field conditions, in order to complete the Work as it is intended, without any gaps between the various subdivisions of work.

   E. The Contractor will be held to be thoroughly familiar with all conditions affecting labor in the area of the Project including, but not limited to, Unions, incentive pay, procurements, living, parking and commuting conditions and to have informed his Subcontractors and Sub-subcontractors thereof.

5. CONTRACT DOCUMENTS INFORMATION

A. The Contract Documents are prepared in accordance with available information as to existing conditions and locations. If, during construction, conditions are revealed at variance with the Contract Documents, notify the Construction Manager immediately, but no more than three (3) days from the day the variance is first known. Failure to give timely notice shall operate to waive any claim Contractor might otherwise have for an adjustment to Contract Time or Sum as a consequence of such variance.

B. The Specifications determine the kinds and methods of installation of the various materials, the Drawings establish the quantities, dimensions and details of materials, the schedules on the Drawings give the location, type and extent of the materials.

C. Dimensions given on the Drawings govern scale measurements and large scale drawings govern small scale drawings, except as to anything omitted unless such omission is expressly noted on the large scale drawings.

D. The techniques or methods of specifying to record requirements varies throughout text, and may include "prescriptive", "open generic/descriptive", "compliance with standards", "performance", "proprietary", or a combination of these. The methods used for specifying one unit of work has no bearing on requirements for another unit of work.

E. Whenever a material, article or piece of equipment is referred to in the singular number in the Contract Documents, it shall be the same as referring to it in the plural. As many such materials, articles or pieces of equipment shall be provided as are required to complete the Work.

F. Whenever a material, article or piece of equipment is specified by reference to a governmental, trade association of similar standard, it shall comply with the requirements of the latest publication thereof and amendments thereto in effect on the bid date.

G. In addition to the requirements of the Contract Documents, Contractor's work shall also comply with applicable standards of the construction industry and those industry standards are made a part of Contract Documents by reference, as if copied directly into Contract Documents, or as if published copies were bound herein.

H. Where compliance with two (2) or more industry standards, contract requirements, or sets of requirements is specified, and overlapping of those different standards or requirements establishes different or conflicting minimums or levels of quality, then the most stringent requirements, which are generally recognized to be also the most costly, is intended and will be enforced, unless specifically detailed language written into the Contract Documents clearly indicates that a less stringent requirement is to be fulfilled. Refer apparently equal but different requirements, and uncertainties as to which level of quality is more stringent, to Architect for decision before proceeding.

I. Reference standards referenced directly in Contract Documents or by governing regulations have precedence over non-reference standards which are recognized in industry for applicability of work.

J. Contractor's bid is based on the complete set of Contract Documents including documents not specifically issued as part of the bid pack but referenced in same.

6. SCOPE OF WORK/GENERAL INFORMATION

A. A Scope of Work for each contract to be awarded on the project follows in this section. When a Contract has been awarded to a Contractor, the successful Contractor will be listed after the title of the Contract. When no Contract has yet been awarded, no Contractor's name will be listed. Previous Scopes of Work include addendum changes.

B. Contractor is responsible for performing the work listed in the Summary of Work for his contract. Contractor is also responsible for knowing the work that has been assigned to preceding contracts. No additional compensation or extension of time will be allowed a Contractor due to his ignorance of the work assigned to his Contract or to other contracts which may affect his work. The Contractor is responsible, however, for all items which are covered in the Specifications and Drawings relating to their Contract if not specifically mentioned in the Summary of Work.

C. The Construction Manager will provide on-site a source for temporary electric, temporary water and portable sanitation facilities only. It is each Contractor's responsibility to make the necessary connections, including all material for temporary electric and water. Please note that utility charges for office trailers will be the responsibility of the individual Contractors.

D. A dumpster will be provided on site for free use by Contractors to dispose of non-hazardous, common, work-related refuse. Clean-up is the responsibility of each Contractor. Clean up shall be performed on a daily basis. Contractors not complying will be advised in writing and back charged for all costs associated with the cleanup of their work.

E. Contractors are reminded that there are limited storage areas available on site. Off-site storage will be the responsibility of each individual Contractor.

F. Office trailer permits off site will be the responsibility of each individual Contractor. On site Contractor's field offices, one (1) per Contractor, if required, will be located as directed by the Construction Manager.

G. Contractor will be prepared to discuss and submit a detailed project schedule seven (7) days after receipt of Notice to Proceed and to begin its submittal process. The Project Schedule is an integral part of this contract. Certain construction sequences and priorities must take place in order to meet the target dates. Concentrated work periods will occur and each Contractor is responsible to staff the project as required by the current Construction Schedule or as directed by the Construction Manager. Contractor will co operate with the Construction Manager in planning and meeting the required sequences of work and Project Schedule as periodically updated by the Construction Manager.

H. All bids must include insurance limits in accordance with Article 11 of the Section 007300 SUPPLEMENTARY CONDITIONS.

I. Hoisting, scaffolding and material handling is the responsibility of each Contractor, unless otherwise noted.

J. Contractor will be responsible for layout of its own work. The Construction Manager will provide benchmark and layout of the building line.

K. Contractor will be responsible to keep clean public roadways soiled by construction traffic on a daily basis. If cleaning is not done, the Construction Manager may perform the cleaning on an overtime basis and backcharge the Contractor responsible.

L. Contractor Scopes of Work and Schedule are interrelated. Familiarity with each is required.

M. The Construction Manager will provide testing services for soil, concrete and steel. Other testing as required by the Contract Documents will be in accordance with the technical specifications and/or the individual scope of work. Refer to Specification Section 004500 - QUALITY CONTROL.

N. Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.

O. Inter-Contractor shop drawing distribution will be performed by the Construction Manager. Contractor is individually responsible for either coordinating his work with these distributed drawings or notifying the Construction Manager, in writing, of any discrepancies.

P. Coordination with other trades will be required. The Contractor will be required to attend periodic coordination meetings with other trades where requirements, conflicts and coordination issues will be discussed and resolved. Attendance when requested will be mandatory. If inter-Contractor coordination is not satisfactorily performed, the conflicting Contractors shall mutually share the cost to relocate and/or reinstall their work.

Q. Contractor shall submit a schedule of values to the Construction Manager prior to the submission of their first invoice for approval through Building Blok.

R. Contractor is expected to review and coordinate its Work with the complete set of Contract Documents, including all items noted as by his trade whether or not shown on that particular set of drawings. Documents are available at the site for review.

S. Contractor is responsible for obtaining all necessary permits required for his work, including street permits. Unless otherwise noted, building permit shall be secured by the Construction Manager. Any subcontractor who will be restricting access to street, right of way or adjacent property must notify the Construction Manager 48 hours in advance.

T. Contractor's License: Submit a copy of all business licenses required by local and state agencies.

U. Contractor shall absorb, without additional compensation, any and all costs of working beyond normal hours to maintain job progress in accordance with the current construction schedule.

V. No asbestos or PCB's in or on any material or equipment will be accepted or allowed on this project. All hazardous materials will be treated in accordance with all State and Federal regulations.

W. Daily cleanup of the work is the responsibility of each individual Contractor which includes broom cleaning of their debris as required. Contractor will be individually back charged by the Construction Manager for cleanup not satisfactorily performed by the Contractor.

X. In the event asbestos is uncovered, the Contractor shall notify the Construction Manager of the areas requiring removal of asbestos. The Construction Manager shall then coordinate the removal with the Owner.

Y. This project is to be constructed adjacent to existing buildings. Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing building in the area.

Z. The Safety Cable System shall not be altered or removed without a written request submitted to the Project Manager with a copy to the Field Manager. It shall be the responsibility of each and every Contractor that is removing or altering the Safety Cable System to maintain the fall protection safety provided by the safety cable and not leave the area unprotected. Each and every Contractor shall be responsible to re-install the Safety Cable System immediately after work is completed. Each and every Contractor shall be responsible to re-install the Safety Cable System in accordance to OSHA standards.

AA. Normal work hours for this project are from 7:00 a.m. to 3:30 p.m. Any work to be performed outside of these hours must receive prior approval from the Construction Manager. Requests to work beyond normal work hours shall be submitted at least 48 hours prior.

AB. Contractor is responsible for having a competent project superintendent/foreman on-site during all work performed under its contract.

AC. In the event the Contractor has non-English speaking employees or subcontractors on the project, they shall have a superintendent or foreman on site, at all times, who speaks English and can communicate with Contractor's employees. Should the Contractor fail to meet this requirement, at any time, Construction Manager may direct all Work to stop until the proper supervision is on site. The Contractor will be responsible for maintaining the project work schedule and make up at its own expense, any delay to the Schedule resulting from the work stoppage.

AD. Punch List Procedures: Contractor shall be given a copy of the punch list with his appropriate work identified. Contractor shall have nine (9) calendar work days to complete its punch list work. On the 10th day or as determined by the Construction Manager, the Construction Manager shall employ other contractors, as required, to complete any incomplete punch list work and retain from the appropriate Contractors retainage all costs incurred.

AE. Contractor shall provide the necessary safety barricades and railings required to complete

their work and comply with all OSHA, local code and contract specifications.

AF. Prohibition of Using Photographs on EDiS Projects: The Contractor and all associated subcontractors agrees to not issue any news release or advertising pertaining to the Work or the Project, including references to the Project on the Contractor's/subcontractor website or other social media outlets, without obtaining EDiS' prior written approval, in each instance. The Contractor, for itself, its employees, vendors and subcontractors, agrees to not use the name of the Owner, the Project, EDiS or any photographs, videos, or other images of the Project in connection with any of Contractor's business promotion activities, advertising, website, social media outlets, or operations, without EDiS' prior written approval in each instance.

AG. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost or stolen tools, materials or equipment.

AH. All contractors must provide a silica exposure plan that meets or exceeds the new 2017silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

AI. Where there is a discrepancy in scope assignment between contract documents, the order of precedence will be as follows: Summary of work, Design Drawings, Design Specification.

CONTRACT NO. B-01: CONCRETE AND REINFORCING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 03	Concrete
Section 033000	Concrete
Division 07	Thermal and Moisture Protection
Section 071300	Sheet Waterproofing
Section 072100	Thermal Insulation
Section 072600	Under-Slab Vapor Barrier
Section 079100	Preformed Joint Sealants
Section 079200	Joint Sealants
Section 312000	Earth Moving
Section 312300	Excavation and Backfill for Pipeline and Structures

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide concrete footings, foundations, foundation walls, piers, wall footings, grade beams, slabs on grade, structural pads, equipment pads, etc. and all excavation, backfill, stone subbase, forms, and reinforcing required. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2, Batting Cages and Baseball/Softball Restrooms. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. This Contractor will be responsible for laying out all concrete work as shown on the structural and architectural drawings and certifying the layout. Provide certification in writing to CM for their records.

3. This Contractor to furnish and install reinforcing steel, admixtures, curing compound, sealers, accessories, bolsters, ties and braces as required in the Contract Documents and for the performance of the work of this contract.

4. Provide Preformed Joint Seal systems and all Joint Sealants related to work of your contract.

5. This contractor shall provide installation of sleeves required for MEP lines, under footings, below frost walls, under thickened slabs, etc. This includes all excavation and backfill required for these installations. (sleeves will be supplied by the contractor installing the services) Coordinate with Arch and MEP documents for full extent of this work.

6. Provide all door stoops, pads, entrance/exit concrete complete as detailed on the structural and architectural documents. This will be out of sequence work, contractor to include (5) re-

mobilization to perform work out of sequence, this shall include premium costs for short load concrete pours, concrete pumps, contractors' equipment costs and misc. small tool expenses. For each mobilization the contractor shall communicate in writing to the CM that they are remobilizing and utilizing one of the (5) remobilizations included in their base bid. Until all (5) mobilization as described are completed, no claims for costs related to this work will be accepted.

7. Provide exterior concrete slabs, turndown slabs, equipment foundations and housekeeping pads as shown on the contract documents.(all contract documents) This will be out of sequence work, contractor to include (3) re-mobilization to perform this work out of sequence, this shall include premium costs for short load concrete pours, concrete pumps, contractors' equipment costs and misc. small tool expenses. For each mobilization the contractor shall communicate in writing to the CM that they are remobilizing and utilizing one of the (3) remobilizations included in their base bid. Until all (3) mobilization as described are completed, no claims for costs related to this work will be accepted. **The exterior concrete slabs are indicated as structural on the drawings and are provided by this contractor. The Site contractor would own the standard sidewalks which are indicated as "civil" on the drawing notes**

8. Provide thickened slab footings at all interior CMU walls as shown on the structural and architectural drawings including all notes and the contract specifications. This contractor owns the coordination and verification of all thickened slabs, haunches etc. whether identified on structural or architectural documents, including the contract specifications.

9. Underslab vapor barrier, insulation, reglets, waterstops, control and construction joints (including required caulking at control and construction joints).

10. Provide foundation wall insulation and insulation under slabs. Include backfill of all foundation walls as detailed. Stone under slab to be provided by this contractor. Include at no additional cost re-dressing the stone after the MEP contractors have installed their UG work.

11. Placement of related items furnished under other Specification Sections.

12. Anchor bolts and leveling plates to be installed by this Contractor and furnished by the Structural Steel contractor. Installation within required tolerances. Anchor bolt assemblies to be placed with templates only. This contractor shall include grouting of the leveling plates.

13. Contractor shall supply signed/sealed engineered drawing as-builts to steel the erector for coordination prior to steel placement. This engineered sheet shall be reviewed by the CM, Steel contractor and this contractor at a site meeting in person before acceptance by all parties. Steel erector must sign off that the placements are accurate and accepted. If there are discrepancies; ownership of the error, corrective actions and costs of the repairs shall be identified and assigned to the responsible contractor.

14. All blockouts and embedments required by plans and specifications.

15. This Contractor is responsible for grouting all structural steel base or leveling plates.

16. Include all weather, frost protection, and water pumping as required. This Contractor is also responsible for the premiums required for hot water, heated aggregate and admixtures for cold

weather concrete.

17. Coordinate the "Notch" in the concrete slabs to allow for a future Contractor to easily install expansion joint details.

18. Provide dewatering after acceptance from Sitework Contractor until re-acceptance by the Sitework Contractor.

19. The sitework contractor is to provide a flat, compacted surface at subgrade prior to the start of foundation layout and installation. This contractor shall furnish, install and maintain the stone underslab for the SOG area and structural pads. Written acceptance of the building pad condition will be provided by the concrete contractor before foundation work proceeds. Once the Concrete Contractor has accepted this work it will be the responsibility of the Concrete Contractor to maintain and dewater the building pad and all excavations until the concrete work is complete and backfilled. The Concrete contractor is to provide access to foundation excavations for the Masonry contractor. Concrete contractors own dewatering during masonry and waterproofing work and backfill after foundation masonry work is complete. Spoils left after backfilling of foundations is complete are to be left outside the building perimeter by the concrete contractor in pre-determined stockpile location in accessible areas. The material will then be gathered by the sitework contractor and spread on site. Concrete Contractor will also be responsible for additional excavation and backfilling within the building as may be required to accommodate the sloped floors, varying slab thicknesses, depressed slabs and grade changes. Close coordination with the Sitework, Masonry, Mechanical and Electrical Contractors is required.

20. This contractor shall re-grade the stone slab areas to prepare for the vapor barrier installation after "all" other contractors have installed their UG work. This includes but is not limited to UG work associated with MEP trades.

21. This contractor shall provide all de-watering measures as required to perform the work of their contract. Refer to Geo-Tech reports for estimated ground water depths and prepare your bid accordingly.

22. Additionally, over and above de-watering for your course of work, provide (2) 2'x2' crocks, stone infill and sloping of graded area to allow for general de-watering as directed by CM. Areas of use to be coordinated with Superintendent on site.

23. This contractor shall provide all excavation to depths and areas required to allow proper forming, pouring and stripping of all concrete work identified on the contract documents. (All contract documents, not just Structural's)

24. Provide and maintain perimeter fall protection at excavated area per OSHA standards. Orange barrier fencing shall be utilized, no caution take will be allowed.

25. Provide certified anchor bolt verification drawings to the Construction Manager for review prior to steel erection.

26. Asphalt concrete paving and Portland cement concrete paving, sidewalks and curbs shall be provided by others.

27. All concrete testing will be completed by the Construction Manager; however, it will be the responsibility of this Contractor to furnish all samples.

28. Provide off site disposal of all unsuitable excavated materials.

29. Construction Manager to ensure that FF/FL compliance is verified by an independent testing agency within 48 hours of completion of pour, per ACI (Section 8.15.4). A report must be provided to the concrete contractor within 72 hours of pour per ACI to allow corrective action.

30. Provide specified sloping for floor drains/trenches as detailed (Drains to be furnished by Mechanical Contractor.) This contractor to communicate and review drain sloping with CM before each pour.

31. This Contractor shall include the finishing of concrete slabs around all stub ups, conduits, drains etc. as indicate on project documents. The items will consist of electrical boxes, stubbed conduits, mechanical piping and electrical and technology conduit stubs, etc. Include finishing around (30) un-identified items within your base bid.

32. This Contractor shall also include all work included in finishing the concrete floors to a minimum of (25) floor drains and or trench drains. Include all sloping and beveling to create a positive flow to the drains. Sloping to be reviewed with the CM prior to each pour.

33. This Contractor shall provide written documentation that all concrete slabs are within the tolerance required by the contract documents.

34. There shall be no minimum number of square feet required or mandated by the contractor for S.O.G pours.

35. Provide all foundation and below slab waterproofing. Provide waterproofing at blind side of concrete footings and all foundations. (sheet waterproofing and protection board included) Include all testing as specified. This contractor shall provide de-watering of the areas to receive waterproofing as well as cleaning and drying of the surfaces prior to application.

36. This contractor owns coordinating all slab depressions identified on the documents with the products, flooring, insulation etc. shop drawings and layout drawings for each material that will be installed in the recess. A pre-install meeting will be held to review this information before each depressed pour.

37. Provide Column diamond protection after floor pours are completed at all recessed columns to meet OSHA Requirements. 1926.502(i)(2) All other covers shall be capable of supporting, without failure, at least twice the weight of employees, equipment, and materials that may be imposed on the cover at any one time.

38. Provide all means of transporting concrete including, but not limited to: pump trucks, cranes, ramps, chutes, buggies.

39. Provide at least 48 hours' notice prior to any delivery. All deliveries are to be between 7:00 AM and

3:30 PM.

40. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost, stolen or damaged tools, materials or equipment.

41. This contractor must provide a silica exposure plan that meets or exceeds the silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

42. Provide daily fine cleanup of the work is the responsibility of each individual Contractor which includes broom cleaning of their debris as required. Daily Fine clean up, on a daily basis, shall be defined as those means/methods utilized to perform the daily cleaning tasks without producing dust, noise and stacking of stored materials. Furnish fine clean up on a daily basis. All debris must be removed from the work area at the end of each workday to the appropriate dumpster. Cleaning of roadways shall be included and performed daily while this contractor is on site performing work of this contract.

43. Provide generators and other means for temporary services for the completion of your work.(CM/Owner will not provide temporary power)

44. All materials excavated for installation of footings and foundations shall immediately be protected with appropriate moisture protection. This Contractor owns protecting excavated backfill material from exposure to wet conditions.

45. Provide pricing for alternates as described in Section 012300-Alternates.

46. This contractor shall include an allowance amount of $30,000 within the base bid for work to be identified by CSD and the CM. All unused portions of this allowance to be returned to the owner.

CONTRACT NO. B-02: STRUCTURAL STEEL, JOISTS, DECK AND MISC. METALS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 05	Metals
Section 051200	Structural Steel
Section 052100	Steel Joist
Section 053100	Stemhmel Deck
Section 055000	Metal Fabrications
Section 055133	Metal Ladders

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide structural steel, joists and metal floor and roof decking.

2. Provide all miscellaneous steel as required by the contract documents including but not limited to gauged steel support angles, metal stairs, metal ladders, lintels, etc. Loose lintels will be delivered only, all other Misc. Metals items and gauged angles will be furnished and installed. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2 and Baseball/Softball Restrooms. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

3. All lintels for CMU and Brick walls will be steel; no concrete lintels will be utilized.

4. Furnish Misc. Anchor bolts and plates as required for the bleacher system installation.

5. Furnish anchor bolts and leveling plates to the Concrete Contractor for placement in concrete piers.

6. Furnish Cable protection and flags as required during and after erection of steel. (flags must be installed as cable is installed) Provide warning lines with flags for swing radius and work areas (include Signage)

7. Field check all anchor bolts prior to beginning erection and sign the anchor bolt survey drawing provided by the concrete contractor.

8. Roof sump pans and related work, including supporting steel frames, braces, brackets etc. related to roof drains. (as indicated)

9. Framing out for openings (roof drains, mechanical openings, access hatches, etc.). Assume opening frames will be field installed. This contractor shall provide “all” floor opening and roof deck opening frames, angles, reinforcing, clips, welding etc. as indicated on the contract documents.

10. Prime paint systems, galvanizing, and related finishing of steel items, including touch up.

11. Provide roof access ladders.

12. Provide misc. supports steel for movable partitions.

13. Furnish, install, maintain and remove perimeter safety steel cables at roof level to conform with all OHSA standards for all trades. Install flagging on cabling at time of installation on all levels.

14. The Steel Contractor will own all connections to masonry whether they are field welds or shop welds. Conditions that require in field welding and assembly are the responsibility of this Contractor. Field coordination with the masonry installer will be this Contractor's responsibility.

15. All steel testing will be the responsibility of the Construction Manager; however, this Contractor will co operate with the testing agency in the inspection at the fabrication shop and in the field.

16. Layout, installation and alignment of attachments at the slab edge condition.

17. No electrical power for this contractor's equipment or welders will be provided. Electrical power to be provided as needed by this contractor.

18. Provide data and submittal information related to the Scope of this Contract signed and sealed by a Professional Engineer as required by the Contract Documents.

19. This Contractor shall fabricate, weld and install all reinforcing anchors that connect the structural steel to the masonry systems. Provide all shop fabrication, field installation and field welding regardless of the weld symbols.

20. This Contractor shall include all necessary staging, rigging, matting and remobilizations to accommodate this erection sequence. Sequencing of work will need to be coordinated with CM and other trades.

21. Remove, modify, and replace the plywood covers installed by the concrete contractor at all Diamonds during the erection of steel, as required to meet OSHA requirements.

22. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

23. This contract shall include in their bid the necessary crews to complete the work as per the project schedule. Provide additional crews as required to maintain schedule at no additional cost to the project.

24. Provide pricing for alternates as described in Section 012300-Alternates.

25. This contractor shall include an allowance of $30,000 for work to be identified and assigned by the owner/CM. Any unused portions of the allowance will be returned to the owner.

CONTRACT NO. B-03: UNIT MASONRY

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 033000	Concrete (coordination)
Section 042000	Unit Masonry
Section 044316	Stone Fabrications
Section 070553	Fire and Smoke Assembly Identification
Section 072100	Thermal Insulation
Section 072500	Weather Barriers
Section 072640	Sprayed Polyurethane Foam Insulating Air Barrier
Section 076200	Sheet Metal Flashing and Trim
Section 078400	Firestopping
Section 079100	Preformed Joint Sealers
Section 007900	Joint Sealers

This contract provides and includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide masonry work indicated on the construction documents, including but not limited to masonry units, cast stone, stone fabrications, reinforcing, grout, accessories and related work. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2 and Baseball/Softball Restrooms. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Provide all special shape, cast stone masonry and custom masonry units as defined in the construction documents.

3. This contract shall provide all Sprayed Polyurethane Foam Insulating Air Barrier, and all "Self-Adhering Flashing Tape" at all locations (vertical and horizontal) behind vertical brick, block, metal panels, canopies and overhangs. The Flashing tape shall be applied to seal all exterior openings, including but not limited to doors, louvers, windows, curtain walls, storefronts etc. This includes all exterior sheathed areas, and block back up areas, whether behind masonry or not. Include spray insulation termination angles as needed for the spray foam insulation installation Coordination of work with other trades shall be required and final installation work to be coordinated with project schedule and CM. Provide a "complete system" in its entirety for this project.

4. This contractor shall include multiple mobilizations within their base bid amount to accommodate the exposure time recommendation for the sprayed insulation, special coatings and self-adhering flashing tape in all areas per the construction schedule and project phasing. (include all "Blueskin" application as required)

5. This contractor shall provide installation and coordination of sleeves required to go through any masonry walls above finished floor elev. 0.00. Coordinate with the MEP contractors for sleeves (to be provided by MEP contractor) and coordinated/installed by the Masonry contractor.

6. Provide all caulking and sealants for masonry to masonry and masonry to dissimilar materials.

7. Integral masonry flashings, expansion joints, insulation and other related items as required.

8. Mock up as required. Provide a complete mockup of all masonry items within a sample wall to be coordinated by the CM. This contractor to provide and install the concrete footing required for the mock up. Include demolition, removal and clean up of the mock up area.

9. Grouting of door frames at all masonry openings. Include grouting of HM vision panels in CMU.

10. Weather protection and temporary heat as required to perform the work and maintain the project schedule. This would include tenting, tarping, heating (providing fuel and equipment), installation, maintenance and removal. Kerosene is not an acceptable fuel for work within the interior spaces.

11. Layout of the work including responsibility for all elevations and dimensions as they affect other Contractor's work.

12. Lintels either required by this Contract or install loose lintels furnished by others. Include bolting or welding of lintels as per details. "All lintels will be steel, and provide by the steel contractor for your use.

13. Provide mixing stations as required to perform your work. The station locations shall be coordinated with the CM The mixing area shall be protect as required by DNREC and it shall be this contractors responsibility to maintain the station area at all times. Remove all components and restore area when work of this contract complete. Mixing Station must meet all OSHA Regulations.

14. Concrete fill/grout at all masonry units as identified.

15. Provide a concrete dumpster to collect and remove the spoils from all masonry grouting operations.

16. Purchasing and installing reinforcing steel in block walls.

17. Provide all fire safing/fire stopping, and continuous fire sealant at top and bottom of masonry walls as shown on the contract documents. Also include these sealants at all steel penetrations through the provided masonry.

18. This contractor shall provide the required firewall/smoke wall assembly identification for work of this contract. All masonry walls shall be sealed at the top.by the contractor.(labelling of the walls with fire rating)

19. Interior exposed masonry walls shall be cleaned and scraped thoroughly; a second pass of scraping and refining the cleaning shall be included in the base bid. CM to review and coordinate second pass with the masonry foreman in the field.

20. Temporary protection for final wash down/cleaning of masonry. This includes covering and protecting the windows and doors as necessary.

21. This contractor shall supply and install straw at the base of wall when work of this contract has been completed to stop splashing of mud and water on completed walls.

22. Flashing at locations indicated on drawings for your work.

    a) Thru wall and cavity flashing below the roof line shall be by the Masonry Contractor.
    b) Thru wall and cavity flashing above the roof line shall be by the Roofing Contractor.
    c) Flashings at rising wall conditions shall be provided by this contractor.

23. Cutting, fitting and building into masonry work, embedments provided by others. Coordinate all work with other trades as required.

24. Provide all firesafing and fire caulking as required for your course of work.

25. Provide masonry veneer anchors as required for your course of work.

26. Bond beams including supplying and installing reinforcing and fill.

27. Furnish and install all masonry veneer anchors where required. Welding of anchors that are not shown to be fabricated with the structural steel shall be welded in place as needed by this contractor.

28. Masonry contractor shall supply and manage dumpsters for use in removal of masonry debris. The project dumpsters may not be used for masonry debris.

29. Mockup as required. Provide your portion of a complete mock-up of the exterior wall assembly. Coordinate with the CM.

30. Provide generators and services as required to provide temp power, water etc. as needed for your course of work. CM/Owner will not be supplying any Temporary power.

31. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

32. This contract includes all Division 0 and Division 1 General Requirements. All commissioning

requirements are identified in Division 1 and are a requirement of this contract.

33. Provide pricing for alternates as described in Section 012300-Alternates.

34. This contractor must provide a silica exposure plan that meets or exceeds the new 2017silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

35. Include within this contracts base bid an allowance of $20,000 for brick veneer on Existing School Building New ADA Ramp(BPC). Unused allowance funds to be returned to the owner.

36. Include within this contracts base bid an allowance of $35,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner.

CONTRACT NO. B-04: GENERAL TRADES – Includes, but not limited to: CARPENTRY, CFMF, WOOD TRUSSES, GYP ASSEMBLIES, DOORS, FRAMES and HARDWARE, ALUMINUM STOREFRONTS & WINDOWS, ACT CLGS, ARCHITECTURAL SPECIALTIES, CASEWORK & TRIM, ROLL-UP DOORS & GRILLS, MANUFACTURED BASEBALL/SOFTBALL DUGOUTS with CONCRETE PADS, JOINT SEALANTS, CERAMIC TILE, FIELDHOUSE DECORATIVE METAL GATES, METAL and CEMENTITIOUS SIDING, PRE-ENGINEERED METAL MAINTENANCE BUILDING and DEMOLITION of EXISTING FOOTBALL STADIUM WOODEN PRESS BOX.

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 024100	Demolition
Section 055000	Metal Fabrications (related work)
Section 054000	Cold-Formed Metal Framing
Section 054400	Cold Formed Metal Trusses
Section 061000	Rough Carpentry
Section 070553	Fire and Smoke Assembly Identification
Section 077100	Roof Specialties (blocking coordination)
Section 072100	Thermal Insulation
Section 072640	Spray Polyurethane Foam Insulating Air barrier (coordination)
Section 072500	Weather Barriers (coordination with mason contractor)
Section 074213	Metal Composite Material Wall Panels
Section 074646	Fiber-Cement Siding
Section 078400	Firestopping
Section 079100	Preformed Joint Sealants
Section 079200	Joint Sealants
Section 081113	Hollow Metal Doors and Frames
Section 081416	Flush Wood Doors
Section 083100	Access Doors and Panels
Section 083300	Rolling Service Doors
Section 084313	Aluminum Framed Storefronts
Section 087100	Door Hardware
Section 080671	Door Hardware Schedule
Section 088000	Glazing
Section 089100	Louvers
Section 092116	Gypsum Board Assemblies
Section 095100	Acoustical Ceilings
Section 101200	Display Cases
Section 101416	Plaques
Section 101419	Dimensional Letter Signage
Section 102113	Plastic Toilet Compartments
Section 102800	Toilet Accessories
Section102239	Folding Panel Partitions
Section 104400	Fire Protection Specialties
Section 105100	Metal Lockers

Section 105129	Phenolic Lockers
Section 116833	Baseball/Dugout Equipment
Section 107316	Metal Canopies
Section 123600	Countertops, Backsplashes and Window Stools
Section 129300	Site Furnishings
Section 133419	Metal Building Systems
Section 323119	Decorative Metal Fences & Gates

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all cold formed metal framing, sheathing, insulation, metal stud framing, gypsum assemblies and drywall as indicated on the contract documents. (includes CFM Trusses) **NOTE:** This contractor owns all contract documents, which includes but is not limited to the following areas of work, Field House, Maintenance Building, Concession Buildings 1 & 2, Batting Cages, Baseball/Softball Restroom and Baseball Concessions Building Re-Roof. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Provide metal studs, framing, insulation, gypsum wallboard, taping, spackling and specified wall finishes. Include all trims and finish pieces for a complete installation.

3. Provide all engineered metal truss roofing systems complete, including all delegated design requirements. (include within your base bid expedited shop drawing submissions and reviews)

4. Provide Pre-Engineered Metal Building at Maintenance Building complete, including all delegated design requirements. (include within your base bid expedited shop drawing submissions and reviews)

5. This contractor shall be responsible to coordinate with the masonry contractor as related to the exterior wall assembly and the installation of the spray foam insulation system. installation.

6. Include fire taping and sealing at perimeter edge and as shown or indicated in the contract documents.

7. Provide required caulking at control and construction joints.

8. Provide all preformed joint sealant products if indicated on the documents.

9. Masonry to masonry joint sealants to be provided by contract B-03 Masonry, all of joint sealants by this contractor.

10. Provide caulking of vertical joints on exterior metal/cementitious siding panels to adjacent materials

11. Provide caulking related to interior glazing. Caulking of interior perimeter of new aluminum windows, storefront and curtainwall to finished surfaces to be provided by this contract.

12. Provide caulking of exterior perimeter of hollow metal door frames, including overhead doors.

13. Provide caulking of interior perimeter of hollow metal door frames to masonry. (HM frames to drywall shall be provided by the Painting contractor)

14. Provide caulking of all hollow metal frames to the floor. Coordinate caulking with flooring materials.

15. Provide caulking of all interior exposed drywall to masonry and metal wall panels.

16. Provide caulking at the tops and bottoms of all exterior and interior column covers.

17. Provide caulking of all interior exposed concrete slab control joints, expansion joints and perimeter slab to walls.

18. Provide caulking for interior perimeter of sinks, urinals, toilets, bath accessories, toilet partitions, fire extinguisher cabinets, hose reel cabinets, gas cabinets and any other accessories identified on the contract documents. (work as indicated on contract documents)

19. Provide caulking of joints in ceramic tile areas, including and ceilings.

20. Examine areas and conditions where joint sealers are to be installed and correct any conditions detrimental to the proper and timely completion of this scope of work. Do not proceed with work until unsatisfactory conditions are corrected to permit proper installation.

21. Provide mock ups of all products and adhesion tests for exterior caulking.

22. Provide custom colors or all caulks and sealants.

23. Protection and cleaning of adjacent surfaces to be the responsibility of this contractor.

24. This contractor shall include the Pollution Insurance coverage as specified in the contract documents.

25. All subbase preparation, priming etc. to be performed before caulking is applied.

26. Provide architectural expansion joint systems, including joint covers materials at concrete slab, drywall and masonry construction (interior and exterior)

27. Steel stud construction as related to the roof parapet construction.

28. Steel stud construction related to framing out for openings in exterior walls.

29. Provide secondary support framing as required.

30. Clips, anchors, supports and other accessories that interface between steel framing and steel studding and steel studding with masonry interaction.

31. Expansion systems as required for performance of your course of work.

32. Scaffolding, lifts, and all necessary equipment required for your contract's course of work.

33. Provide engineered drawings (delegated design requirements.)

34. This contractor shall be responsible for coordinating with other trades for exterior openings and layout of design features.

35. Provide labor and materials to perform the work related to all carpentry and general work.

36. Provide all glass and glazing.

37. All rough carpentry related to the exterior skin of the building and roof areas, including wood nailers and blocking, roof blocking, curb blocking, MEP blocking coordinated with MEP trades. This will include all galvanized angles at blocking locations for support as detailed.

38. All rough carpentry related to the interior of the building including blocking, wood nailers, etc. for the installation of fire extinguishers, doors, windows, toilet accessories, cabinets, toilet partitions, counter tops, AED's, rollup doors, coiling doors, and accessory blocking, etc. including fire treating as required. Provide all roof framing, wall framing and sheathing

39. Provide all counter tops, back splashes and accessories.

40. Provide and install plywood back boards on all wall areas, floor to ceiling in all electric, MDF and IDF rooms. Backboards to be ¾ inch plywood, painted one side with white Fire Proof paint and fire caulked to the walls tightly.

41. Provide blocking and anchoring for all roof ladders, TV and monitor mounts, Visual display boards, chalk, tack, white board assemblies, lockers etc. Coordinate with other trades for locations and installation direction.

42. Provide blocking for door hold opens, wall mounted closers, and wall door stops.

43. Install Aluminum storefront vision panels and provide glazing for these panels (door contractor to supply frames)

44. Provide and install metal doors and frames, including receipt of doors and frames at the curb side. Contractor shall receive the doors, frames and hardware and inventory immediately. This contractor responsible for safe keeping of all materials and shall provide written documentation that all materials were received. All hardware shall be secured in a fully locked and protected area. By this contractor.

45. Provide and install finish hardware related to all doors (hollow metal, wood and coordinate keying with aluminum hardware) including receipt of hardware at the curb side. This contractor is responsible for coordinating door hardware with their work to ensure each opening is properly prepped for hardware being supplied by others. All low voltage wiring within the doors and

frames to be installed by this contractor. Conduits and raceways will be provided by the electrical contractor, as well as installation of the electrical supply power and the final power connections to equipment. Final connections of low voltage wiring to hardware to be provided by the Special Systems contractor. This contractor to work with the electrical contractor and Special Systems contractor to provide a complete installation. Salto hardware will be supplied by the Special Systems contractor and installed by this contractor.

46. This contractor shall advise the hardware supply contractor of any deficiencies or missing item immediately after initial inventory (in writing) as installation takes place. Reporting and tracking is the responsibility of this contractor.

47. All field trimming required to adjust to the existing in place conditions shall be part of this contractors scope of work. Field measuring and verification is to be included.

48. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items.

49. Provide all architectural louvers, including insulated panels etc. All louvers are to be included within this contract, they are shown on the architectural drawings and specs and referenced by MEP documents. Provide 'custom" color costs in the base bid. This contractor shall coordinate with other trades for integration of the louvers into their course of work. All material handling and on site protection of the louvers is this contractors responsibility.

50. Provide blocking and support for the Visual Display Boards and Display Case

51. Provide all Plastic toilet compartments, toilet accessories, fire protection specialties and metal lockers.

52. This contractor shall provide and install all Site Furnishings as detailed in the contract documents. Include all work related to this course of work, concrete pads, anchoring, touch up paint etc.

53. **This contractor is to provide all work associated with Section 116833 Baseball/Dugout Structure, including Slabs and Equipment.**

54. This contractor to coordinate all card reader blocking requirements with Special Systems contractor.

55. This Subcontractor shall at a minimum provided, maintained, and inspect for the length of the project, one temporary fire extinguisher for each 3,000 sq. ft of the protected building area. Travel distance from any point of the protected area to the nearest fire extinguisher shall not exceed 100 feet. In multistory buildings, at least one fire extinguisher shall be located adjacent to stairway. Fire extinguishers shall be at least 10lb, Multi-Purpose (ABC) dry chemical, UL labeled, with a rating of 3a:40bc. Maintain for the duration of the project until substantial completion to ensure coverage and compliance.

56. Coordinate electrical requirements with any automatic door operations. This contractor owns all controls, switches and wiring as required for a complete system. Power to be supplied by Electrical contractor.

57. Provide Knox Boxes coordinated with the local fire company for installation at locations identified by the owner/CM.

58. This contractor will work with the Special Systems contract to allow the installation of harnesses, whips and connections while installing frames, doors, hardware and access controls.

59. Provide (2) OSHA Compliant scaffold stairways at the Field House, to be erected to accommodate OSHA Compliant access to the roof area from the exterior of the Fieldhouse. Include a rental duration of 9 months.

60. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

61. This contractor must provide a silica exposure plan that meets or exceeds the new 2017silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

62. Layout of the work including responsibility for all elevations and dimensions as they affect other Contractor's work.

63. Provide all work related to the building mock up, blocking, installation of door frame, doors, hardware, flashings, fasteners etc. as it relates to mocking up of the systems included in this contract scope.

64. This contractor shall provide temporary rails at all exterior opening on the building until permanent window/doors/curtainwall etc. installed.

65. This contractor shall include protective wooden covers and marking for any floor openings, holes, shafts etc. Include labelling of the covers with clear and readable markings or stickers.

66. This contractor shall provide and include all costs associated with installing temporary doors and windows at the exterior of all building for security (all openings).

67. Provide wood safety barricades to OSHA required height during construction. These rails shall be installed immediately after the roof blocking is installed. These rails/barricades shall stay in place and be maintained until all activities on the roof area are complete or as directed by the CM. Coordinate removal, roof patching etc. with roofing contractor and CM.

68. Comebacks and out-of-sequence work may be required and as such should be included in your base bid proposal.

69. Coordinate Self Sealing Flashing installation at base of wall assemblies and flashed areas. with Masonry contractor who is providing. This contract to provide any required metal flashings for your course of work.

70. Provide fire resistant joint sealants, fire safing, fire stopping, as it relates the work of your contract.

71. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

72. This contractor must provide a silica exposure plan that meets or exceeds the new 2017silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

73. Layout of the work including responsibility for all elevations and dimensions as they affect other Contractor's work.

74. This contract shall include in their bid the necessary crews to complete the work as per the project schedule. Provide additional crews as required to maintain schedule at no additional cost to the project.

75. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

76. Include all necessary field measurements.

77. Include three (3) passes per floor to "touch-up" mechanical penetrations to ensure ratings required. The first pass will be required prior to ceiling grid installation and the second pass will be required prior to final inspection for Certificate of Occupancy.

78. Bidders are advised to pay particular attention to top of wall conditions, fire and smoke safing of slabs and acoustical sealants. This work is include within the scope of this contract.

79. This contractor to provide caulking at the base and top of drywall partitions, furred walls and all drywall conditions.

80. This contractor shall work with other trades to install openings that are in wall assemblies being constructed.

81. Provide metal furring as required.

82. Engineered shop and installation drawings. (delegated design, with expedited submission and review costs included)

83. Provide complete acoustical ceiling systems to include suspension system, hangers and all required components for a complete system.

84. Acoustical lay in insulation blankets and rigid panels above ceilings and behind wall grid systems as identified in the contract documents.

85. Supplemental suspension hangers at large ducts above ceilings and at openings for lighting fixtures shall be provided and coordinated to minimize exposed clips, anchors, and wires.

86. Continuous acoustical sealant on back of vertical leg before installing moldings as indicated

87. Furnish and install hold down clips where required by governing regulations for fire resistant ratings.

88. Provide all material handling, scaffolds, lifts, Spyder cranes, access to work etc. as required for the scope of this contracts work.

89. Expansion joints for all acoustical ceilings, specialty ceilings and acoustical systems.

90. Provide ceiling grid layout on floor for cassette and duct placement in ceiling grid system.

91. This contractor shall review all documents, shop drawings, plans, and drawing model for ceiling height issues. All issues shall be reported to the EDiS prior to installing wall angles.

92. This Contractor shall cut openings in ceilings for sprinkler heads, lights, mechanical diffusers and grilles, etc. Coordinate work with other trades.

93. Coordinate with other trades for layout and install of their materials into the grid system provided by this contract.

94. Attic stock as per the contract documents, delivered, inventoried, and moved to a storage area within the building at the owner's direction.

95. Provide all site furnishings.

96. Provide all rolling service doors, overhead rolling doors and rolling counter shutters as required by the contract documents. To include but not limited to exterior and interior coiling doors systems. Hardware, openers, buttons and controllers required for a complete system shall be provided by this contractor.

97. Provide all overhead coiling grilles.

98. Provide all overhead counter doors.

99. Include all wall framed openings and openings including trims, flashings, and sealants as required to perform your course of work.

100. Provide additional supports for overhead coiling doors. Structural members identified on the structural drawings are not part of this contract scope. Provide ancillary steel, connectors, all thread and other misc. items as required. Coordinate all electrical and special systems requirements for work of this contract with the appropriate contractors. Provide keyed switches for both electric and low voltage to match building keying.

101. Keying coordination for all lock sets. (coordinate with same hardware system as Door Hardware supply contract.)

102. Coordinate electrical requirements with any automatic overhead door operations.

103. Provide low-voltage wiring required for overhead doors automatic door operations. Include all raceways, boxes and switches required for a complete installation.

104. Ensure doors fully open the entire height of the door opening and close with the bottom edge touching the ground. Doors will fit square in the openings with no gaps along the top, bottom or sides when the door is closed.

105. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

106. Provide all sensing and safety devices as specified for each assembly to provide a complete assembly.

107. Exterior overhead doors and grilles shall have the appropriate specified seals, and weatherstripping at all edges. Top, sides and bottom. Seals shall maintain water tightness when installed.

108. Provide ceramic tile, marble tile, quarry tile, base material and thresholds as required by the contract documents, complete.

109. Provide all mortar bed installations as directed by the specifications and drawings.

110. Grout, including Epoxy grout and custom colors as specified.

111. Cutting and fitting around work installed by others.

112. Provide waterproofing and crack-isolation systems as required by contract documents.

113. Precast mop receptors as per contract documents.

114. Patching and leveling of “new” concrete system to be included in this contracts base bid. Contractor to review concrete floor installations ad report any deficiencies in tolerance prior to mobilizing for any tile installation.

115. Provide protection of finished products until acceptance by Construction Manager. This contract shall include the material and labor to cover all ceramic tile areas with Ramboard panels (not roll

material or corrugated plastic panels. Seams to be taped and sealed for effective protection.

116. Provide crack suppression membrane for this set tile installation.

117. This contractor to coordinate work of this contract with contractor installing cement backer boards to receive your tile.

118. Provide metal strips and Schluter strips installed as part of the tile installation.

119. Provide all metal panels and accessories as indicated on the contract documents. This includes all panels associated with the stadium, field house and all out buildings as shown.

120. The spray installation system will be provided by the Masonry contractor, however this contractor is responsible to coordination. Specifically for installation durations and the completeness of the installation of the Z furring system this contract is providing. Timely installation to not impact the spray foam installation is required by this scope of work.

121. Provide all fascia's, soffits, overhangs etc. as required for a complete system. Complete system includes all caulking and sealants as required by the provided system.

122. Flashing of panels integral with the panel system.

123. Coordinating, cutting and fitting around the work of other trades is required by this contract and should be part of your base bid work.

124. Caulking of panels as required to provide a complete system. Vertical joints where metal panels meet adjacent materials shall be caulked by this contractor.

125. Miscellaneous metal items necessary to support panels other than required structural steel.

126. Furnish anchorage items for embedding into other construction for support of panels.

127. Galvanized, epoxy or stainless steel, etc. anchors as specified.

128. Metal fascias and copings related to the panel system

129. All material handling, lifts, cranes etc. are the responsibility of this contractor.

130. Verification of field dimensions is the responsibility of this Contractor. Coordination and review window openings, door openings and others during the shop drawing process is required so materials can be ordered to accommodate schedule. Material may be required to be ordered in advance of the ability to field measure. This coordination is the responsibility of this contractor.

131. Provide all flashing as identified with the metal panel installation. Provide all hat channels and sub-girts for the panel installation. Coordinate with the work of other contractors related to the spry foam installation.

132. Provide all Roof Bar Snow Guards as shown on design drawings for Maintenance Building.

133. Furnish and install hollow metal doors, frames, vision panels and finish hardware. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2 and Baseball/Softball Restrooms. (review Alternate section as it applies)

134. Keying. All lock sets. Provide Owner with a complete schedule of all keying and pin schedules as required. (coordinate keying schedule with CSD)

135. Construction door cylinders shall be provided by this contractor for use during construction.

136. All exterior Hollow Metal frames shall include a box and raceway built into the door frame for locations at the latch and hinge as required. Provide a box and raceway at the head of the frames for door contact access and installation.

137. This contractor shall coordinate the hardware and door materials with the electrical contractor prior to ordering materials. Including but not limited to all coordination meetings with the Owner, CM electrical contractor and Special Systems contractor as required to properly coordinate all doors, frames, hardware and connections, prior to ordering of materials.

138. This contractor shall deliver all materials to the project site in a timely and orderly organized manner. The Owner and EDiS will not receive any materials. Additionally provide 48 hour notice prior to delivery. All deliveries are to be between 7:00 AM and 3:30 PM (allow time for check in of all hardware when scheduling)

139. Provide field assistance to Electrical and Carpentry Contractor as required to facilitate the installation of the materials supplied by your course of work.

140. This contractor to coordinate with the Special Systems contractor and Electrical contractor to ensure that all cut outs, plates, receiver etc. that are required to be built into your doors and frames are fully coordinated. In person attendance at review and coordination meetings for the doors, hardware, special systems, raceway and electrical connections shall be the responsibility of this contractor.

141. As changes are made to the hardware schedule, whether due to issued ASI's, RFI's, architectural changes etc., this contractor shall make updates to the hardware schedule and re-issue so the schedule is always updated and submitted to EDiS.

142. This contractor shall provide all magnetic hold open hardware, including extensions as required.

143. Provide a key box system to hold up to 25% over the amount of keys being supplied. Provide (1) additional Locking Key Box's 18" x12" for CSD use.

144. Provide demolition and disposal of existing Football Stadium Wood Press Box as per design drawing A-108.

145. Provide demolition and disposal of existing Baseball Concessions Building Roof for New Roof Work.

146. Provide Decorative Metal Gates at Fieldhouse complete.

147. This contractor shall include a $150,000 allowance within their base bid for work to be determined by the CM and CSD. All unused allowance dollars will be returned to the owner.

CONTRACT NO. B-05: METAL & EPDM ROOFING (Excluding Maintenance Building Roof)

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 072100	Thermal Insulation
Section 075300	Elastomeric Membrane Roofing
Section 076200	Sheet Metal Flashing and Trim
Section 077100	Roof Specialties
Section 077123	Manufactured Gutters and Downspouts
Section 077200	Roof Accessories
Section 079100	Preformed Joint Sealants
Section 07900	Joint Sealants
Division 26	Electrical (power, fire alarm, lightning protection)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide single ply flexible roofing system, including rigid and tapered insulation and all related accessories. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2, Batting Cages, Baseball/Softball Restrooms and Baseball Concessions Building Re-Roof. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. This contractor shall carefully review the edge of roof details to determine if the roof can be placed before the exterior wall assembly is complete. This contractor shall include all costs associated with returning to the jobsite to complete the roof perimeter after wall assembly is complete.

3. Provide caulking and joint assemblies related to roofing, flashing and roof accessories.

4. This contractor shall provide and install all metal downspouts and Cast iron boots.

5. Roof drains and associated plumbing shall be provided by the Mechanical Contractor. Flashing of the roof drains shall be by the Roofing Contractor. Openings for the roof drains in the roofing materials shall be cut by the Roofing Contractor. Openings in the metal deck shall be cut by others. This contractor shall be responsible to coordinate the roof drain locations as needed by the steel contractor and plumbing contractor so reinforcing of the decking and roof support frames may be installed in accordance with the sequence of work.

6. Metal parapet coping, receiver system and all components required for a complete coping assembly. Caulking and sealing of all copings is the responsibility of this contractor.

7. Provide boot for piping and conduits that penetrate the roofing assembly. Coordinate with other

trades.

8. Coordinate the roofing installation and flashing required for line sets, piping, electric and control penetrations. Coordinate with MEP contractors.

9. Roof access hatches, smoke vents, smoke hatches, access covers etc. are to be provided by this contractor. Coordination of this work with other trades and the MEP vendors are required by this contract. Rail systems and curbs to be provided by this contract.

10. Walk pads and walk pad layout shop drawings are required by this contract.

11. Metal drip edges, complete including all caulking and sealants.

12. Gravel stops, complete including all caulking and sealants.

13. Roof curbs to be installed by this contractor, provided by the MEP trades as identified in the contract documents. Coordination with the Carpentry contractor on the roof blocking thickness is required by this contractor. Provide detail shop drawings identifying the insulation thickness so blocking can be installed accordingly.

14. This contactor shall coordinate with the carpentry contractor on location of wood blocking, curbing, etc. to facilitate the installation of the tapered insulation, crickets etc.

15. Provide expansion joints that are integral to the roof.

16. Provide all Roof Bar Snow Guards as shown on design drawings.

17. Gutters, downspouts, splash pans, splash blocks. This contractor shall be responsible to coordinate with the plumbing contractor for the connection to the RW system. Provide membrane flashing, metal flashings, sealants, drip edge, gutters , drain covers etc. as related the gutter systems for this course of work.

18. Metal scuppers, over flows, drains etc. as required by the contract documents are this contractors responsibility.

19. Provide a means to lift materials to the roof for materials not stored on the roof at initial time of delivery. All costs shall be the responsibility of the roofing contractor.

20. This contractor shall provide waterproof seals around lightning protection system as required by roof manufacturer requirements. If location of lightning protection conduits are not clearly shown on the roof plan, include within your base bid an additional; cost to seal one penetration for every 1000 sf of roof area.

21. This contractor shall review the schedule for the roofing scope of work and include within the base bid considerations (costs) for cold weather roofing installations. This shall include but is not limited to providing a warming hut/enclosure to keep material warm and allow the roof installation to continue in cold temperatures. All costs related to cold weather roof installation shall be the responsibility of this contractor.

22. The owner may at any time select to have a third party roof inspector review and inspect the roofing installation and finished roof system. This contractor shall work with and allow access to this third party inspector as needed.

23. All trash shall be removed from this contractors work area daily to the dumpsters. No trash may be stored on the roof area.

24. Flashing and sheet metal systems related to the scope of this contract work.

25. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

26. This contractor shall include within the base bid proposal (2) additional roofing inspections of all roofing assembly to facilitate any damage or overuse repairs that may be required. These inspections will be schedule by the CM within the duration of the construction schedule. These inspections do not in any way take the place.

27. This contractor shall include a $20,000 allowance within their base bid for work to be determined by the CM and CSD. All unused allowance dollars will be returned to the owner.

21. Flashing Summary:
    a. Thru wall and cavity flashing below the roof line shall be by the Masonry Contractor.
    b. Thru wall and cavity flashing above the roof line shall be by the Roofing Contractor.

CONTRACT NO. B-06: SOFT FLOORING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 090561	Common Work Results for Flooring Preparation
Section 096500	Resilient Flooring
Section 096813	Tile Carpeting
Section 096816	Sheet Carpeting
Section 096933	Low-Profile Fixed Height Access Flooring

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide flooring in accordance with the contract documents. Note: the following buildings are included in this scope of work, Field House & Maintenance Building. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Prepare subfloor for finished flooring including leveling and patching. Base bid shall include all flashing patching and surface preparation required to perform the work of this Contractor.

3. Provide all Resilient flooring, LVT, Sheet vinyl, rubber tile, rubber treads, rubber base, resilient base, carpeting, carpet tile complete.

4. Provide Low-Profile fixed height access flooring system, complete.

5. Provide all moldings, transitions and edge strips as required.

6. Provide recessed flooring systems at specified areas, to include a shop drawings for approval, recessed floor system, carpet inset and required attic stock materials.

7. Resilient transition and reducer strips at edges of resilient flooring and at edges of carpeting.

8. Cleaning and protection of floors after installation shall be required by the cope of this contract.

9. Seaming diagrams are required to be submitted for approval.

10. Provide mock up's as defined by the contract documents.

11. Attic stock to be delivered to the site, inventoried and then moved to a storge are within the building at the direction of the owner.

12. Provide entrance mat systems complete.

13. Provide cutting and fitting around work of others.

14. This contractor shall protect the adjacent work of other trades while performing the scope of this contract.

15. Include within this contracts base bid an allocation of $10,000 for work to be determined by owner and construction manager. Unused allocation funds to be returned to the owner by means of a credit change order.

CONTRACT NO. B-07: FLUID-APPLIED FLOORING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials, and equipment for:

Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 079200	Joint Sealants
Section 090561	Common Work Results for Flooring Preparation
Section 096700	Fluid Applied Flooring

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide fluid applied flooring in accordance with the contract documents. Note: the following buildings are included in this scope of work, Field House & Maintenance Building. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Provide fluid-applied flooring and integral base.

3. Provide mock-ups as required by plans and specifications.

4. Provide standard and custom color samples for review and approval.

5. Provide vapor retarding sealer prior to resinous application, as required by specifications or manufacturer's installation instructions.

6. Provide protection of work of others as well as cutting and fitting around work installed by others.

7. Patching and leveling of areas to receive resinous flooring to be included in the base bid of this contract.

8. Provide cleaning, finishes and protection. Protection shall be RamBoard Pro sheets with Ram tape. Provide protection of finished products until acceptance by Construction Manager.

9. Provide crack suppression membrane required for the work of this contract. The submitted shop drawing for the Resinous Flooring areas shall reflect all control joints, expansion joints and crack suppression locations for review and approval.

10. Provide at least a 48-hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.

11. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.

12. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

13. Contractor must provide additional crews as needed to maintain the project schedule.

14. Include within this contracts base bid an allowance of $10,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner.

CONTRACT NO. B-08: PAINTING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 079200	Joint Sealants
Section 099113	Exterior Painting
Section 099123	Interior Painting

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all painting (all walls and ceilings indicated on the finish schedule) include all preparation of surfaces, trims and finish wood locations. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2 and Baseball/Softball Restrooms. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Provide sealing of all interior joints between dissimilar materials that require sealants before painting.

3. This contractor shall provide "all" interior and exterior painting complete.

4. Paint all exposed block work and concrete work as shown on the room finish schedule and contract documents.

5. Prime, stain or seal, all wood trim and doors as required by the contract documents.

6. Paint exposed piping (sprinkler, plumbing, gas piping, electrical) and ductwork in accordance with the contract documents. Include preparation work for all items specified. Review and coordinate any color requirements specified in the contract documents or as required by code. Pay close attention to MEP documents for specific locations of piping colors.

7. Provide Fire and Smoke Identify markings on all masonry walls that require marking per governing jurisdictions. Coordinate marking walls with painted/stencils with the CM on site.

8. Provide supplementary ventilation as required in enclosed spaces.

9. Paint and caulk all hollow metal frames and doors as shown on the door schedule.

10. Paint metal stairs and railings.

11. Prefinished items WILL NOT be painted by this Contractor.

12. Paint all semi-exposed wood blocking as indicated on the drawing.

13. Include "preparation" of all surfaces and items required to be covered by the scope of this contract.

14. This contractor shall allow a touch up pass from drywall contractor/mason contractor between prime coat and first coat of finish.

15. Protection of adjacent surfaces required by this contractor.

16. Minor patching prior to application of finishes shall be included in the base bid.

17. This contractor shall provide sealing/hardener of concrete floors, including scraping, brushing, removal of markings, grease, foreign materials and thoroughly cleaning all the floors prior to installation of the sealer/hardener materials. Mechanical cleaning of floors as required prior to sealing. Coordination with other finishes will require multiple mobilizations for the sealer/hardener preparation and installation.

18. Installation of rated wall identification to be provided by this contractor. Access, lifts, ladders etc. to be provided by this contractor.

19. Provide painting of all exterior bollards and gates that are not prefinished.

20. Paint gas lines at both the interior and exterior of the building.

21. All lintels shall be painted by this contractor.

22. Paint all railings and handrails that are not prefinished.

23. Provide cleanup of your work areas and storage areas on a daily basis. Removal of spent paint cans and buckets is the responsibility of this contractor.

24. This contractor shall protect all areas, materials and work of others from over-spray from the work of this contract.

25. Provide at least a 48-hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.

26. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.

27. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

28. Contractor must provide additional crews as needed to maintain the project schedule.

29. Provide pricing for alternates as described in Section 012300-Alternates.

30. Include within this contracts base bid an allowance of $10,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner.

CONTRACT NO. B-09: BLEACHERS AND GRANDSTANDS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 061000	Rough Carpentry
Section 079200	Joint Sealers
Section 131250	Bleachers, Grandstands

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide all Bleachers and Grandstands as indicated on the contract documents, including all footings/foundations and concrete.

2. Provide bleacher seating systems, both stationary and removable.

3. Provide Press Box configurations as per the contract documents.

4. Verification of field dimensions is the responsibility of this Contractor. Coordinate with the MEP contractors to insure proper installation related to their work.

5. Anchoring devices, fasteners, inserts and other related items associated with the installation of the above items. Provide all material handling and access equipment required for the scope of your contract.

6. All material handling. Loading, moving, lifting of the materials of this contract shall be the responsibility of this contractor. The CM will not receive or unload your materials.

7. Provide at least a 48-hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.

8. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.

9. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

10. Provide pricing for alternates as described in Section 012300-Alternates.

11. Provide bleacher modifications and additions to existing Football Stadium Bleachers where existing Wood Press Box will be removed as per design drawing A-108.

12. Include within this contracts base bid an allowance of $20,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner by means of a credit change order.

CONTRACT NO. B-10: FIRE PROTECTION

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 22	Plumbing
Division 26	Electrical
Division 32	Site Improvements
Section 312300	Excavation and Backfill for pipelines and Structures
Section 03310	Cast in Place Concrete
Section 210500	Common Work Results for Fire protection
Section 210505	Fire Suppression System Piping, Fittings and Valves
Section 211003	Water Based Fire Suppression System-Sprinklers

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide piping, fittings, couplings, valves and sprinkler heads to provide a complete Fire Protection System. Note: the following buildings are included in this scope of work, Field House & Maintenance Building. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Excavation and backfill related to fire protection work as detailed below is the responsibility of this Contractor. (Geo-Tech reports included for this contractors review)

3. Backfilling is the responsibility of this Contractor. Soil types shall be in accordance with project documents. Backfill materials shall be covered after excavation and protected. If materials become wet and unusable this contractor shall remove the material from site and provide stone dust (#10 stone dust) to backfill all piping trenches and remove unsuitable material off site.

4. Provide As-built drawings in both hard copy and electronic format.

5. Provide concrete equipment pads, curbs and thrust blocks related to the Fire Protection work (sprinkler system) and Fire Pump system.

6. Permits, testing and inspections required for the Fire Protection work are to be provided by this contractor.

7. Providing of sleeve assemblies for work of this contract that penetrates the foundation wall, interior footings or any concrete footings shall be provided to the masonry and concrete contractor for installation. This contractor shall coordinate and assist with the sleeving install. Sleeves are to be sealed per contract documents.

8. Firesafing of all penetration is a requirement of this contract.

9. Design of the system, submissions to the Fire Marshall, review with Fire Marshall and expediting the permit for the Fire Suppression system is a priority of this contract scope.

10. Flow and tamper and sensor switches to be supplied by this Contractor and wired by the Electrical Contractor. It is this Contractors responsibility to provide flow and tamper switches to meet applicable state and local codes as well coordinate with the MEP contract documents.

11. Dry Pipe Fire Protection System Air Compressor, controller and related work. Electric power wiring of compressor and controller to be by the Electrical Contractor.

12. If a water meter is required when the review process and permitting is completed, this contractor shall purchase, pay for, install and coordinate all work with the required authorities.

13. This Contractor to coordinate the need for and compatibility of his system to the emergency generator, supplied by other.

14. Pipe identification and labelling is a requirement of this contract. Valve labels, etc. are required as per the contract documents.

15. Provide fire main from +/- 5 feet outside building including connection in the building. Final connection of your fire line and the line provided by the site contractor shall be the Fire Protection contractors responsibility. Provide a registered plumbing contractor licensed to perform the tie in as part of you base bid.

16. This contractor will flush the UG system with the assistance of the site contractor and provide written documentation to the CM.

17. All cored walls require sleeves and are required to be sealed per contract documents. Any mess from the coring operation shall be immediately cleaned up by this contractor and shall not affect any installed finishes. If this work is not performed efficiently, the work will be performed by the owner and back charged to this contractor.

18. This contractor shall be onsite while walls are being constructed for layout and installation of valve cabinets, concealed, piping, etc.

19. The work of this contract will require out of sequence installations. This should be considered and included in your base bid.

20. This contractor shall provide all access panels required for the work of this contract. They should be lockable, fire rated where required. Panels shall meet the requirements of the contract documents.

21. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

22. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

23. Provide the necessary coordination with trades to avoid interferences with other work and make corrections at no extra charge.

24. Include within this contracts base bid an allowance of $10,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner.

CONTRACT NO. B-11: PLUMBING, HVAC, AND CONTROLS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 21	Fire Protection (coordination)
Division 22	Plumbing
Division 23	HVAC (all sections)
Division 26	Electrical (coordination)
Division 28	Electronic Safety and Security (coordination of work)
Division 26	Electrical (coordination)
Division 32	Site Improvements
Section 312300	Excavation and Backfill for pipelines and Structures
Section 03310	Cast in Place Concrete

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete system for all plumbing, HVAC, and ATC controls as indicated by the contract documents. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2 and Baseball/Softball Restrooms. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. This contractor shall provide all pipe insulation, insulation coverings, valve insulation, labelling, and identification of for the plumbing, HVAC and control system.

3. This contract includes all Division 0 and Division 1 General Requirements. All commissioning requirements are identified in Division 1 and are a requirement of this contract.

4. Division 16 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters as provided in the specifications.

5. Division 26 of the specifications should be reviewed as it relates to the power wiring to trap primers and controls within this contracts scope of work. Coordinate this work with the electrical contractor.

6. Permits, testing, inspections required for the Plumbing and HVAC system work are to be provided by this contractor. This contractor shall pay all permit and inspection fees for the work of their contract.

7. This Contractor shall be responsible to designate an individual within his organization, intimately familiar with this project and assigned on site, to act as the System Start-up Coordinator. This individual must be pre-approved by the Construction Manager. This individual's responsibilities

shall include, but not be limited to, coordinating the start-up of all mechanical equipment, including the coordination between the Electrical Contractor, the Controls Contractor, and all testing, adjusting and balancing work. This individual shall report on a weekly basis, in written form, to the Construction Manager. These reports shall include a summary of current conditions including manufacturers' start-ups, systems' deficiencies noted to date and the remediation of same, coordination issues between trades, system interfacing and forecasting, as necessary to project the completion of each individual system within the building.

8. Excavation and backfill for underground plumbing work as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with the contract documents Refer Section 312300 for requirements on soils. (Geo-Tech reports included for reference and use)

9. Backfilling is the responsibility of this Contractor. Soil types shall be in accordance with project documents. It is the intent to use on site material and not imported fill. The use of this on site material shall conform with the compaction requirements identified in Section 312300. Excavated materials shall be covered immediately and protected from moisture mitigation. If Materials become unusable, this contractor shall own purchasing #10 stone dust to utilize as backfill in all trench or structure locations. Excess unsuitable materials from plumbing excavations shall be removed from the site by this contractor. (includes water meter pit installation) it is not acceptable for any UG piping to be in the stone layer installed by the concrete contractor, all UG piping must be installed in the subbase with adequate soil coverage. Coordinate inverts through foundations with outside piping.

10. The Concrete Contractor shall furnish, install and maintain stone fill under slab. The Sitework Contractor shall leave the building pad site at subgrade to the required tolerance in the contract documents to receive stone fill. The Plumbing, Mechanical and Electrical contractors shall complete their work under the slab on grade and shall be responsible to return the pad to the subgrade elevation left by the Sitework Contractor. The Concrete Contractor shall then adjust the select material to final subgrade, fine grade the slab and place the vapor barrier and stone fill. Note: while working on the building pad area this contractor shall utilize track drive equipment only. No rubber tire equipment will be allowed. Preservation of the building pad shall be the responsibility of this contractor. The onsite testing and inspection agency provided the owner will monitor the excavation, travel and backfilling operation.

11. The plumbing and concrete contractor and CM will meet to review the building pad for turnover to the next trade. If not accepted correction will need to be made to correct concerns and sign off.

12. Equipment bases and housekeeping pads required for the equipment of this scope of work to be provide by this contractor.

13. This contractor shall provide all necessary material handling equipment, cranes, scaffolds, hoisting and rigging equipment and supplies for work associated with this contracts.

14. Providing of sleeve assemblies for work of this contract that penetrates the foundation wall, interior footings or any concrete footings shall be provided to the masonry and concrete contractor for installation. This contractor shall coordinate and assist with the sleeving install. All sleeves must be provided with the appropriate seals, this contract owns sealing the sleeves related to this contracts work.

15. Pipe insulation, insulation coverings, valve insulation, labelling and identification of plumbing lines shall be provided by this contractor.

16. Valve tags, charts, and labelling shall be part of this contractor's responsibility.

17. Provide Mop sinks and Receptors as indicated on the contract documents.

18. Penetrations through wall, floors, etc. including cutting, patching and fire safing.

19. Clean up shall be provided daily, all trash, debris, crates, boxes etc. shall be moved out of the building to the dumpsters each day. No storage of trash will be allowed inside the building or courtyards.

20. Ductwork, flex duct, grilles, diffusers, including detailed layout for the drywall and ceiling contractor shall be provided by this contractor.

21. Louvers and vents related to HVAC operations. Furnish flashings required, steel frames, caulking/sealants and covers if identified. Louvers must be installed so water does not accumulate beyond face of louver, this contractor to maintain these louvers until project is substantially complete. Flashing of louvers at exterior and interior wall assemblies is the responsibility of this contractor. (flashing details must be submitted and approved by the design team).

22. Coordinate damper size, location and type of damper with contract documents, pay special attention to architectural drawings and finish surfaces. Fire dampers are to be included as part of this contractors scope.

23. This contractor shall be on site to coordinate when walls are being installed for penetrations and sleeve installations. If penetrations and sleeves are missed, this will be the responsibility of this contractor to cover associated costs of fixing.

24. Temporary heat and ventilation installation, maintenance and removal. Refer to Division 1, Specification Section 015123 - TEMPORARY HEAT AND VENTILATION, for specific scope. This contractor shall provide and maintain temporary heating equipment for each building.

25. All guarantees and warranties to begin at the substantial completion of the entire project. Maintain equipment prior to substantial completion.

26. Roof curbs, rails, etc. to be provided and loaded to the roof by this contractor. Layout and installation by this contractor, coordinate with the carpentry contractor for blocking and the roofing contractor for flashing and roofing details. Include any doghouses or raceways for service lines, including coordination of flashing.

27. Roof drains, pans, sumps and all related anchoring, support and adjustment elements that are required per the contract documents.

28. This contractor is responsible for providing, setting, bracing, anchoring, and aligning all floor drains, floor basins etc. required by the contract documents. The plumbing contractor shall have a

plumber on site 100% of the time when the concrete contractor is pouring S.O.G. floors or elevated slabs. Drains that are misaligned will be demolished, removed, and replaced by this contractor. Including but not limited to replacing and re-engineering floor reinforcement and paying the concrete contractor to re-pour the slab areas.

29. Gas piping, meter and pressure regulator valve. (proper sizing of the regulators is the responsibility of this contractor.) Include anchoring this equipment to the concrete pad provided by the concrete contractor and anchoring the piping and stand to the exterior wall.

30. Trap priming system, including detailed submittals of the system and then provide as-builts of the location of the rack installations. Photos marked with locations to be provided by this contractor.

31. All utilities will be brought to within +/- 5 feet of the building line by others. The Plumbing Contractor **is responsible** for connecting the utilities from +/- 5 feet outside the building line and completing the system within the building. This contractor shall own the underground line with the assistance of the site contractor, including any chemical treatment required by NCCo, Artesian or any other regulatory agency. Reports shall be submitted to CM.

32. This contractor will flush the underground with the assistance of site contractor and provide documentation to CM.

33. Provide complete water sterilization, testing and reporting. Include within your proposal (4) additional testing mobilization for potential Phase utilization.

34. Install Owner pre-purchased equipment, if identified within the contract documents.

35. Provide access panels to the drywall contractor for framing information and final installation.

36. This contractor shall be on site to coordinate when walls are being installed for penetrations and sleeve installations. If penetrations and sleeves are missed, this will be the responsibility of this contractor to cover associated costs of fixing.

37. This contractor shall provide all required fire dampers, connections and remote controllers for the HVAC system.

38. Provide all VFD's related to HVAC equipment complete for electrical contractor to install.

39. Provide (2) sets of filters for construction use. Include changing out the filters during the construction phase. Additionally include a complete change out of all filters prior to turn over to the owner (these filters shall be separate from the attic stock filters required) Providing a complete filter listing as part of the closeout documents is required.

40. This contractor shall provide the work of Section 230900 Instrumentation and Controls of HVAC system in its entirety. Coordinate with all other trades as required. Provide all instrumentation, controls, coordination of work, testing as required to provide a complete ATC system for this project. This work shall include but not be limited to instrumentation and controls for: Provide all instrumentation, controls, coordination of work, testing as required to provide a complete ATC system for this project.

41. Motorized dampers when not specified as part of the factory packaged equipment supplied to job site for distribution and installation by others.

42. This contract shall supply control valves per contract documents and drawings.

43. Building life safety control and equipment safety control including: operators and controls for motorized smoke dampers, operators and controls for motorized fire dampers, firestats, freeze protection thermostats, shut down safety devices forming part of automatic temperature control.

44. As-built drawings is both hard copy and electronic submission as part of the project closeout.

45. This contractor must provide a silica exposure plan that meets or exceeds the new 2017silica OSHA requirements before any work can commence. At a minimum, it must be implemented in to the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

46. This is not a secure site. All contractors are responsible for concealing, locking and /or removing any materials on a daily basis. EDiS will not be responsible for any lost tools, materials or equipment.

47. Provide the necessary coordination with trades to avoid interferences with other work and make corrections at no extra charge.

48. Provide all permits and inspections required for the work of this contract, pay all fee's.

49. Include within this contracts base bid an allowance of $40,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner by means of a credit change order.

CONTRACT NO. B-12: ELECTRICAL, LIGHTING, FIRE ALARM SYSTEMS & STADIUM LIGHTING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 22	Plumbing (coordination of work)
Division 21	Fire Protection (coordination of work)
Division 23	HVAC (coordination of work)
Division 26	Electrical
Division 27	Communications
Division 28	Electronic Safety and Security (raceways and coordination)
Section 024100	Demolition Section(Press Box)
Section 284621	Addressable Fire Alarm Systems (complete)

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete electrical system, lighting(including Stadium & Field Lighting), addressable fire alarm system and infrastructure for all Division 21, Division 27 and Division 28 as indicated on the contract documents. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2, Batting Cages and Baseball/Softball Restrooms. Each building shall be considered a separate mobilization, each building has its own schedule and timeline. (review Alternate section as it applies)

2. Review and coordinate pricing with Alternate Section (multiple alternates relate to this contract)

3. This contract includes the complete foundation systems for all pole lighting, bollard lights and stadium lighting. Including excavation, backfill, concrete, reinforcing, setting all anchor bolts and spoils removal.

4. Provide electrical raceways and power wiring to the buildings. (see alternate section)

5. Lightning protection shall be provided by this contract and coordinated with the Carpentry contractor and Roofing Installer.

6. This contractor to supply power to all areas of work of other trades requiring electrical power.

7. Provide complete infrastructure system for all Division 27 and Division 28 systems. Including all interior and exterior duct banks, raceways and sleeves for special systems.

8. This contractor shall include in the base bid temporary exterior lighting installed and maintained to provide lighting adequate for safety and security purposes for the exterior of the buildings. The lights must be installed to meet the requirements for exterior use and illuminated during low light hours. These lights will be utilized until permanent exterior lighting has been installed and powered.

Supplying the temp power for this lighting is part of this contract. Include providing temporary power and lighting as needed for each building for the entire duration of the project. This include the necessary power outlets required for all contractor use. Power must be available within a reasonable distance at all times.

9. Division 23 of the specifications should be reviewed as it relates to the power wiring and other requirements for HVAC equipment including the coordination of furnishing and installing motor starters and controllers as detailed in the Specifications and on the Drawings.

10. This contractor shall provide all conduits, raceways and boxes required for all special systems, including ATC controls, thermostat and sensor installation and security systems and CCTV. Including any raceways or conduits required by the Div 27 and 28 Special Systems Contractor

11. The HVAC contractor will supply all VFD's to the electrical contractor for installation and powering.

12. Provide all smoke damper, power and remote controllers as required by the contract documents.

13. Excavation and backfill for underground electrical work as required below is the responsibility of this Contractor. Soil types shall be in accordance with project specifications and the Geo-Tech report. Geo-Tech reports included for review and acceptance.

14. Backfilling is the responsibility of this Contractor. Soil types shall be in accordance with project documents. It is the intent to use on site material and not imported fill. The use of this on site material shall conform to the compaction requirements identified in Section 312300. Excavated materials shall be covered immediately and protected from moisture mitigation. If Materials become unusable, this contractor shall own purchasing acceptable off site materials.

15. Provide all excavation, layout, concrete, reinforcing for duct banks, light standards, pole lighting, bollard lighting and Stadium lighting, above ground conduit encasement, equipment bases and any other concrete work specifically related to the electrical work. This shall include services from the roadways and all communication duct banks as required. Include requirements of New Castle County, State and local codes for concrete encasement.

16. All runs in exposed ceilings are to be in conduit.

17. All exterior underground raceways and infrastructure are to be installed by this contractor as required by the contract documents. (Cameras, security, electric etc.)

18. Temporary electric installation, maintenance and removal. Refer to Division 1, Specification Section 015113 - TEMPORARY ELECTRIC, for additional information.

19. Power Centers for miscellaneous tools and equipment used in the construction work shall be provided with a minimum of four 20-amp, 120 volt grounding type outlets. Each outlet shall be provided with ground fault detecting circuit breaker protection. The distance between each receptacle location shall <u>not exceed 50 feet.</u>

20. Construction areas, ramps, runways, corridors, offices, and storage areas shall be lighted to not less than the minimum illumination intensities at five (5) foot candles and any additional OSHA

Temporary lighting and receptacles exposed to wet or damp locations must be weatherproof. Adequate lighting for safe working conditions and the exterior of the structure shall be provided and maintained on a 24 hour per day basis throughout the building. Voltage of each lighting component must be able to accommodate lighting requirements.

21. Rough in and final connection and related work for equipment provided under other contracts (i.e. , HVAC, sprinkler, motorized doors, vertical walls, etc.)

22. Provide all permits and inspections. Pay all fees associated with the permits and inspection.

23. Penetrations through walls, floors, etc. including cutting, patching and fire safing.

24. Testing of all systems, as related to the scope of work for this contract shall be provided. Reporting and verification documentation shall be supplied to CSD and EDiS.

25. This contractor shall provide all supplemental hangers and fasteners for lighting installation to the building structure.

26. All runs in exposed ceilings shall be installed in conduit.

27. Clean up on a daily basis shall be provided by this contractor. All work areas shall be organized and cleaned up to the dumpsters each day.

28. The Concrete Contractor shall furnish, install and maintain stone fill under slab. The Sitework Contractor shall leave the building pad site at subgrade required by the contract documents in preparation to receive stone fill. The Mechanical and Electrical Contractors shall complete their work under the slab on grade and shall be responsible to return the pad to the subgrade elevation left by the Sitework Contractor. The Concrete Contractor shall then adjust the select material to final subgrade, fine grade the slab and place the vapor barrier and stone fill. Note: while working on the building pad area this contractor shall utilize track drive equipment only. No rubber tire equipment will be allowed. Preservation of the building pad shall be the responsibility of this contractor. The onsite testing and inspection agency provided the owner will monitor the excavation, travel and backfilling operation.

29. The electrical, and concrete contractor and CM will meet to review the building pad for turnover to the next trade. If not accepted correction will need to be made to correct concerns and sign off.

30. Note: all raceways are to be installed into the subgrade soils and shall have adequate cover for protection from traffic above. No raceways will be installed in the stone base provided by the concrete contractor.

31. All guarantees and warranties to begin at the substantial completion of the entire project. Maintain equipment prior to substantial completion.

32. Hoisting, rigging and scaffolding required to perform you scope of work shall be provided by this contractor.

33. Provide a complete fire alarm system. Water flow devices are supplied and installed by the

Sprinkler Contractor and wired by this Contractor. Include tie-in to fire sprinkler flow and tamper switch. (fire dampers, smoke detectors, remote testing switches are all part of this contract)

34. Provide all heat tracing and insulation systems as required.

35. Coordinate closely with the work of the Special Systems contractor. This contract (electrical) provides all infrastructure, conduit and raceways required for the Special Systems work. Provide pull strings and boxes for all systems. (voice, data, communication, fire alarm, AV systems, Audio systems, and public address system, clock system etc.) Include all required sleeving, sealing and fire sealing for raceways and conduits through walls, floors, ceilings etc. for this work.

36. This contract shall provide and install wire mesh cable tray if indicated.

37. This contractor shall provide and install 4′ conduits as shown for low voltage distribution.

38. This contractor shall provide and install 2′ conduits into each space above the ceiling for low voltage distribution.

39. Coordinate, review and fully understand and integrate all cable tray, raceways and infrastructure interior or exterior that may be indicated on all contract documents including the T series drawings.

40. Lightning protection with master UL certification. Coordinate with the Carpentry and Roofing contractors.

41. Coordinate and provide a complete grounding system for the entire project. This includes but is not limited to the building columns, interior spaces, exterior wall assemblies, Electrical rooms, IDF and IDF rooms) and provide any testing and reports required.

42. As-built drawings in both hard copy, electronic and final electronic modelling per contract documents.

43. Provide rough-in and final connection and related work for equipment provided under other contracts (i.e. kitchen, HVAC, sprinkler, motorized doors, etc.). Provide power to automatic hardware. Low voltage wiring from the controller to hardware shall be provided by the Doors, Frames and Hardware Contractor. Include power panels and power supplies supplied by other trades.

44. Provide complete infrastructure(raceways, pull strings and boxes) for video surveillance systems.

45. Perform certification testing for all wiring and systems supplied by this contract scope.

46. Provide access doors and frames for all access to Structured Cable components or equipment that require routine or periodic maintenance. Installation of access doors and frames provided by the Metal Stud & Drywall Contractor. (provide (5) 2′x2′ access panels within your base proposal)

47. Provide pricing for alternates as described in Section 012300-Alternates.

48. De-energize, demo and remove power panel entirely in existing Football Stadium Wood Press Box as per design drawing A-108 for demolition of Press Box.

49. De-energize, demo and remove power panel entirely in existing in existing Football Stadium Concessions Stand for demolition of building.

50. Include within this contracts base bid an allowance of $35,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner.

CONTRACT NO. B-13: SPECIAL SYSTEMS

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 26	Electrical (coordination of work)
Section 078400	Firestopping
Section 079200	Joint Sealants
Section 270100	Communications Systems Requirements
Section 270500	Telecommunications Pathways and Spaces
Section 270553	Identification for Communications Systems
Section 271116	Communications Racks, Frames and Enclosures
Section 271323	Communications Optical Fiber Backbone Cabling
Section 271513	Communications Copper Horizontal Cabling
Section 280501	Security Pathways and Spaces
Section 281000	Intrusion Detection System
Section 281500	Integrated Access Control System Hardware Devices
Section 282000	Video Surveillance System

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide a complete Special System package as to include but not limited to, structured cabling, network equipment, AV systems, intrusion detection, access controls and video surveillance. Note: the following buildings are included in this scope of work, Field House, Maintenance Building, Concession Buildings 1 & 2 and Baseball/Softball Restrooms.

2. Telephone and voicemail system including telephone handsets and patch cables from device to jack will be provided by owner.

3. The electrical contractor shall provide and install the fire alarm system, this contractor (Special Systems) will wire fire alarm terminations, and programming of electrified hold open hardware. Low voltage power to electrified hold open hardware provided by this contract. Hold open hardware provided by Carpentry and General Work Contractor.

4. Provide complete intrusion system.

5. Provide all patch cords from communication port (jack) to each device included in this Contractor's scope. Patch cords at source (MDF/IDF) from patch panel to network switch provided by owner.

6. Provide all patch cords for switches.

7. Supply and install any fiber lines need for a complete installation including terminations.

8. Provide all testing of all installations.

9. Provide and install the racks, switches, uninterrupted power supplies etc. for a complete installation.

10. Coordinate all WAP's as per the specifications if supplied by the owner, install if not supplied provide and install under this contract.

11. This contractor shall own all notes as per the T series drawings unless note otherwise in the scope of this contract or the electrical contract.

12. Provide coordination of the work of this contract with the Electrical including final equipment locations. This contractor must coordinate with Electrical Contractor as indicated on the drawings and as specified. The Electrical Contractor shall provide all device boxes, conduit and pull strings to circuits for special systems as indicated and also to provide 120 Volt circuits for all Special Systems. This Contractor will be responsible for providing independent support systems, as indicated in the specifications, for all cable and wiring installed by this Contractor in locations where pathways and raceways are not required by the documents. All runs of cable/low voltage in open areas shall be installed in conduit. If raceways are required for the scope of this contract and they are not identified, this contractor shall provide.

13. This contract includes all Division 0 and Division 1 General Requirements. All commissioning requirements are identified in Division 1 and are a requirement of this contract.

14. This contractor shall be on site to coordinate when walls are being installed for penetrations and sleeve installations. If penetrations and sleeves are missed, this will be the responsibility of this contractor to cover associated costs of fixing.

15. Provide access doors and frames for all access to Special Systems components or equipment that require routine or periodic maintenance. Installation of access doors and frames provided by the Metal Stud & Drywall Contractor.

16. Provide all network cabling including wiring, devices, and terminations to communication devices identified in plans and referenced on “Communications Outlet Configuration” chart on Drawing E-501. Two (2) terminations should be provided (1) at the source (MDF/IDF patch panel) and (1) at the communication port (jack) in all instances.

17. This contract shall provide communication wiring from the (3) access control panels to the source (MDF/IDF patch panel) including terminations on both ends. Location of access control panels to be coordinated with the documents and the Construction Manager prior to installation.

18. This contractor shall provide communication wiring from the intrusion control headend to the source (MDF/IDF patch panel) including terminations on both ends. This communication wiring shall include (1) dedicated POTS line from the MDF room to the intrusion control dialer. Location of intrusion control headend to be coordinated with the documents and Construction Manager prior to installation.

19. This contractor shall provide communication wiring from the Fire Alarm Control Panel (FACP) to the source (MDF/IDF patch panel) including terminations on both ends. This communication

wiring shall include (2) dedicated POTS line from the MDF room to the FACP dialer(s). Location of FACP to be coordinated with the documents and the Construction Manager prior to installation.

20. This contractor shall supply communication wiring from the intercom/public address amplifiers to the source (MDF/IDF patch panel) including terminations on both ends. Location of amplifiers to be coordinated with the documents and the Construction Manager prior to installation. Contractor should assume (3) amplifiers, one located in each MDF/IDF.

21. This contractor shall provide communication wiring from the Building Management System headend to the source (MDF/IDF patch panel). Location of Building Management System headend to be coordinated with the documents, the Mechanical Contractor, and the Construction Manager prior to installation.

22. Provide installation for all wireless access points furnished by owner. Patch cords from device to communication port (jack) provided by this Contractor.

23. Provide penetrations through walls, floors, etc., including cutting, patching and fire safing.

24. Provide all design and coordination necessary to provide complete systems.

25. Provide and coordinate for inspections and testing.

26. Provide fire resistive sealants for the work of this contract.

27. Provide pricing for alternates as described in Section 012300-Alternates.

28. Provide video documentation of training on systems.

29. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.

30. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.

31. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be incorporated into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

32. Contractor must provide additional crews as needed to maintain the project schedule.

33. Include within this contracts base bid an allowance of $10,000 for work to be determined by owner and construction manager. Unused allowance funds to be returned to the owner.

CONTRACT NO. B-14 - TESTING, ADJUSTING, AND BALANCING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials, and equipment for:

Technical Specification sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Division 21	Fire Protection
Division 22	Plumbing
Division 23	HVAC
Section 220500	Common Work Results for Plumbing
Section 230900	Instrumentation and Controls
Section 230950	Testing & Balancing of Mechanical Systems

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide water and air testing and balancing.

2. Contractor shall prepare, at a minimum, a preliminary balance report for the New Castle County Final Inspection.

3. This contract includes all Division 0 and Division 1 General Requirements. All commissioning requirements are identified in Division 1 and are a requirement of this contract.

4. Provide pricing for all alternates as described in Section 012300-Alternates.

5. Submissions will be reviewed once, and any resubmittals will be reviewed once. Any other submittals will be billed to the contractor at the Engineers standard rates. Please thoroughly review all submissions prior to forwarding to avoid these costs.

6. Provide complete signed and sealed testing report prior to substantial completion and final inspection as required by New Castle County.

7. This contractor has been allotted 30 days to complete all work and provide final, sealed balancing report by the Construction Manager. This contractor will need to work closely with the Construction Manager and all MEP trades to sequence work so that the completion of the balancing is completed in a manner that does not delay acceptance from New Castle County or owner.

8. Provide confirmation of duct testing completed by Mechanical Contractor.

9. This contractor must provide all lifts or scaffold means to access all elements.

10. Provide at least a 48 hour notice prior to any delivery. All deliveries are to be between 7:00 AM and 3:30 PM.

11. This is not a secure site. All contractors are responsible for concealing, locking and/or removing any materials on a daily basis. CSD and EDiS will not be responsible for any lost tools, materials or equipment.

12. Provide circulating water system test.

CONTRACT NO. B-15: GENERAL LABOR AND CLEAN-UP

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

Technical Specification Sections:

Division 0	Procurement and Contract Requirements
Division 1	General Requirements

This contract also includes, but is not necessarily limited to, all labor, materials, and equipment for the following:

1. This contractor shall provide General labor to the project the direction of the owner and project manager.

2. The contract shall include a total 1500 manhours of general labor to be scheduled by the Construction Manager. The work will start December 2026 and the duration of the coverage could extend to August 2027. This work may be scheduled anytime within the scheduled date range without penalty or additional costs to CSD or the CM. These hours may be utilized for Phase II or Phase I work.

3. The contract shall include a total 1500 manhours of general labor to be scheduled by the Construction Manager. The crew size required will be in the range of (1-2) laborers per day for a period of approximately work 100 days. These work days will be scheduled on an as needed basis. This work may be scheduled anytime within the scheduled date range without penalty or additional costs to CSD or the CM. These hours may be utilized for Phase I or Phase II work.

4. A unit price will be provided by this contractor that will pertain to any hours that may be deducted or added to this contract. Any hours not utilized under this contract will be returned to the owner at the identified unit cost amount per hour.

5. Pay Applications each month will be backed up with daily tickets and a complete accounting of the monthly hours utilized. Field Superintendent or hid designated representative shall sign all daily tickets.

The owner and CM have the right to request replacement of any personnel provided to service this contract, without obligation or explanation.

Scope of Work from Previous Bid Package A (Sitework) – for reference

CONTRACT NO. A-01: SITEWORK, UTILITIES, ATHLETIC SURFACES & LANDSCAPING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 024100	Site Demolition
Section 033000	Cast in Place Concrete
Section 116833	Baseball/**Dugout** Equipment
Section 116834	Athletic Field Equipment
Section 220500	Common Work Results for Plumbing
Section 221113	Facility Water Distribution Piping
Section 312000	Earth Moving
Section 312300	Excavation & Backfill for Pipelines and Structure
Section 321216	Asphalt Paving
Section 321313	Concrete Paving
Section 321800	Synthetic Turf Shock Pad
Section 321813	Synthetic Turf Carpet
Section 321814	Subgrade and Stone Aggregate Drainage Layer
Section 321824	Running Track Surfacing
Section 323113	Chain Link Fences and Gates
Section 328000	Site Irrigation
Section 334100	Storm Utility Drainage Piping
Section 329200	Grass Athletic Field Construction
Section 321823.26	Natural Grass Athletic Field Surfacing

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Provide sitework, stormwater management systems, sanitary drainage, storm drainage, domestic water utilities, concrete and asphalt paving, striping, curbs, walks, signage, exterior concrete steps and ramps, sod and topsoil/seeding and landscaping as indicated on bid documents. This Contractor shall include in the Base Bid the cost of remobilization, cleaning and tack coating the asphalt base course in order to install the asphalt topcoat.

2. This contract to include all sidewalks and exterior concrete work, as indicated on the bid documents, up to structural building slabs.

3. This contract shall remove all existing curbs, sidewalks, pads, paving, asphalt, tennis courts, equipment, structures, etc. as indicated on bid document to be removed.

4. Provide identification and removal of all site utilities, electric, water, including field irrigation, sanitary,

storm and gas as required by the contract documents and in order to perform your contract scope of work. This scope includes removal of all utilities (electric, water, gas, storm water, sewer) to within 5 feet of the existing building and outbuildings.

5. Provide dumpsters as required for the scope of work of your contract. The CM and Owner will not provide any dumpsters for this contract. Waste materials such as asphalt paving, concrete debris, rubble, etc. may not be stored on site for removal later. All debris must be removed from site as it is displaced.

6. This contractor to supply their own source of power and water for the scope of work included in this contract. No power or water will be provided by the Owner or CM

7. This Contractor shall visit the site of the proposed work, fully acquaint and familiarize themselves with the conditions as they exist and the character of the operations to be carried out under the proposed contract and make such investigation as they may see fit so that they shall fully understand the facilities, physical conditions and restrictions affecting the work under the Contract. Claims for additional compensation and/or extensions of time because of Contractor's failure to familiarize themselves with all conditions which might affect the work shall not be allowed.

8. This contractor shall provide all required CCR services for duration of project.

9. Provide all site survey and layout of this contract work from a licensed surveyor. This work includes, but not limited to, accomplishing cuts and fills, locating utilities, layout of roads and walkways, and establishing site boundaries. Benchmarks and control points will be established by the CM.

10. This contractor shall provide and maintain all traffic controls measures related to the New DelDOT Entrance work on Frenchtown Rd., as per DelDOT specifications. This contractor shall provide all required work and materials documentation related to the DelDOT Entrance Permit requirements and inspections.

11. Furnish and install all site signage. This includes all traffic, pedestrian and School related signage not mounted on buildings, including fire lane curbing paint and/or striping and signage as required by contract documents and applicable codes.

12. Before ANY excavation work is to commence, the Contractor/Excavator shall contact the utility companies or utility owners and advise them of the proposed work and ask them to mark the location of the underground utility installations. This notification shall be done within established or customary local response times. If the work is on private property and the utility company will not mark out the utilities, the contractor will hire a private locating service to mark the utilities. The report generated from the sub-surface private locating firm shall be provided to EDiS as a project submission. Once the utilities are located and marked, the Contractor/Excavator will excavate by hand or use a vacuum truck to expose the utilities and record the exact location and elevation of the utilities. The Contractor/Excavator must submit the Excavation Permit to EDiS Company verifying their assurance of communication with the utility companies or utility owners. The Contractor/Excavator must follow State, Local, and Federal Guidelines prior to proceeding with excavations. The Contractor/Excavator will have these marks restored as long as there is work to perform. Once the Contractor has installed new utilities, they will provide to EDiS Company an as-built drawing, within 7 days, showing the exact location and elevation of the utilities. The installing Contractor will be responsible for locating and

marking these utilities for other contractors that may have work in the same area.

13. Provide all required water service piping and final connections(wet taps if applicable) as indicated.

14. This contractor shall coordinate with the sprinkler and plumbing contractor to flush all mains into buildings.

15. Provide all sanitary and storm sewer work, including relocation of existing lines, manholes and structures, stormwater management systems as necessary. Include all required inspections as required by local code authorities. Include all permits necessary for your work. This contractor to include a full camera/video for all sanitary and storm lines/structures for submission and review by the CM, design team and governing authorities. Contractor shall provide imported structural fill material for all new utility trench backfill. Material shall conform to the requirements identified within the contract documents. AASHTO #10 screenings are also an approved material for utility trench backfilling. This contractor shall maintain and cleanout before turnover to owner all drainage systems.

16. Provide fire supply piping including fire hydrants and loop. Color code fire hydrants as required by the local jurisdiction based upon water pressure. Provide fire lane striping including painting of adjacent curbs as required by local jurisdiction having authority.

17. Provide site amenities and steel pipe bollards and decorative bollards, bike racks, flagpoles, manual and automatic gates (including associated gate hardware, **coordinate with security and access controls.**) Include excavation and concrete to support these amenities as shown in the project documents and required by manufacturer's instructions. This contractor shall provide "all" bollards at the field house and all outbuildings as well as site bollards.

18. Provide all flag poles, flag poles foundations, anchor bolts, excavation and grading associated with their installation.

19. Provide all permanent fencing (chain link and ornamental) including gates and gate hardware. Provide manual swing arm gates and automatic gates and sliders as indicated in documents.

20. Contractor shall familiarize their teams with the location/proximity of the existing athletic fields and buildings. Include protective measures to ensure the existing athletic fields and buildings are not impacted or damaged during the course of your work on site.

21. **Furnish and install and maintain a DNREC compliant concrete washout station for the work or your contract and all other subcontractors until the completion of the project.** You are responsible for the maintenance and DNREC upkeep of the washout station whether you are actively working on site or not. Remove this item at conclusion of project and provide the required final site work, seeding, sodding, curbs, etc. indicated on finished drawings. Provide signage to identify concrete wash out areas.

22. Furnish, install, maintain and remove sediment control system including sediment control plan. Maintain sediment control until substantial completion is established by DNREC. Repairs, revisions and adjustments required by the weekly CCR reports is the responsibility of this contractor.

23. This Contractor shall, in cooperation with utility companies, remove or cause to be removed all light

and power poles if required to be removed, at such time as the services utilizing said poles are no longer required. Remove existing utilities and structures (water, storm, sewer, gas, electric etc.) from their source to 5' outside of existing building footprint. Coordinate shut-off with utility companies, cut and cap as required by governing agency. Patch existing manholes where existing utilities are removed, in accordance with DelDOT and NCCo regulations.

24. If required, this Contractor shall relocate power or light poles, fire hydrants, traffic signs or signals and similar utility and public service items in use and shall cooperate with all governmental agencies having jurisdiction over such items so as not to interfere with the services of such governmental agencies.

25. Street openings made for the shutting off or tapping of utility lines or for any other purpose shall be backfilled, tamped and the surfaces restored in accordance with the requirement of applicable local codes or to match existing; whichever is greater.

26. Utility equipment belonging to the utility companies, if to be retained by these companies, will be removed from the site by the company owning the equipment upon notification by this Contractor.

27. Any damage to public property, private property, or to utilities due to demolition operations, or the Contractor's neglect, shall be corrected by this Contractor, in a manner approved by the Owner and the parties whose property has been damaged, all at no additional cost to the Owner.

28. All clearing, grubbing and removal of vegetation, trees, roots and stumps whether indicated on documents or not. A site visit to review existing areas within Phase 2 and Phase 2A prior to bidding is required.

29. Topsoil stripping and stockpiling on site. Respread topsoil from the established topsoil stockpiles and fertilize as specified in the civil drawings. The topsoil must be **triple screened** to remove all inorganic materials in excess of ¾ inches or import material certified as triple screened. Prior to seeding, this contractor is responsible to have the topsoil tested and to supply and install amenities (fertilizer, lime, etc.) as required by the test report. Provide temporary and permanent stabilization grass seeding at all areas following the completion of construction activities. This contractor is responsible for all weeding, watering, fertilization, and grass cutting to ensure 100% grass growth in the entirety of these areas until permanent certificate of occupancy is approved, including meeting all DNREC approvals and the areas are accepted by the Owner.

30. Contractors should carefully review the soil borings as they relate to the extent of rubble to be removed and other manmade obstructions. Saw cutting and removal of sidewalks, curbs, etc. in the performance of work is this Contractor's responsibility.

31. Provide, maintain, and remove stabilized construction entrances (SCE) as indicated on bid documents. Furnish and install wash station, labor to wash tires, clean and drain the area as required before vehicles leave the site daily. Clean tires and tracks of all vehicles before leaving the construction site. Wash station will be utilized by other contractors and will be removed only when directed by EDiS. Furnish and install Non-freeze Hose Bib, water line, valve box, drainpipe etc. as required to provide a fully functioning tire wash station for the projects use. Provide (2) 50 heavy duty hoses and one brass nozzle for CM's use.

32. Protect all existing trees to remain within the limits of construction. Includes all SAP requirements. (sensitive area protection)

33. All tree removal, stump removal and grubbing removal as identified on contract documents is the responsibility of this contractor, complete.

34. Provide a temporary water means for other trades to utilize. Include all costs associated with metering from local utilities as well as valves and hoses for contractors to utilize. The Construction Manager will not provide this service.

35. This contractor shall provide, maintain, refurbish and remove **3000** linear feet of stoned roadway from the Stabilized Construction Entrances, 25'-0" wide. Road shall consist of fabric, 10" of #3 stone for the length of the road and the means to compact it. The location will be determined by construction manager. Include removal of temporary stone road from site upon request from construction manager. This work is in addition to the construction entrance identified on the contract documents.

36. Provide in base bid, the cost to provide, maintain and remove upon construction manager direction, a total **of 3 temporary crane pads**: each a **35'x35'** stoned area. Two pads at New Fieldhouse and one pad at New Maintenance building, exact locations to be coordinated with CM. Pads shall consist of fabric, 10" of #3 stone for the area of the pad, and the means to compact it. Include removal of temporary stone pads from site upon request from construction manager.

37. Provide in base bid, the cost to provide, maintain and remove upon construction manager direction, a temporary stone parking area that is 150' X 150'. Area shall consist of fabric, 10" of Crushed concrete or crush and run stone for the area of the pad, and the means to compact it. Include removal of temporary stone pads from site upon request from construction manager.

38. Rough grading for area defined on site drawings for building, lawn areas, bituminous roads, parking and walkways. Preparation of subgrade for building slabs, walks, pavements, grass fields, baseball and softball fields Etc.

39. Sitework contractor is to provide rough grading for area defined on site drawings for building, lawn areas, bituminous roads, parking and walkways. Preparation of subgrade for slabs, walks, and pavements. The Sitework Contractor to extend the bulk excavation 10' outside building plan in order to facilitate foundation construction and maintain safety requirements. Written acceptance of the building pad condition will be provided by the concrete contractor before foundation work proceeds. The Concrete Contractor will be responsible for laying out all concrete work as shown on the structural and architectural drawings. Once the Concrete Contractor has accepted this work it will be the responsibility of the Concrete Contractor to maintain and dewater the building pad and all excavations until the concrete work is complete and backfilled. The Concrete Contractor and Sitework Contractor are to coordinate this procedure so that there are no additional costs to the Owner for additional excavation or concrete. Spoils left after backfilling of foundations is complete are to be left outside the building perimeter by the concrete contractor and neatly piled in a single location for each building area. The site contractor will then remove the spoils off site unless directed by the CM to spread on site (Include costs to move off site)

40. Backfilling as detailed below is the responsibility of this Contractor. Soil types shall be in accordance with Del Dot standard specifications.

41. The use of this on site material shall conform with the compaction requirements as specified and identified in the Geo-Tech reports, civil drawings and specifications. The intent is to utilize the onsite materials to establish grades and construct the building pad. It is the sole responsibility of this contractor to evaluate the soil information provided and determine if the soil will be acceptable to meet the structural fill requirements identified, when excavated and placed at the time of year indicated in the bidders schedule. If sufficient amounts of suitable fill material are not found within the limits of disturbance (LOD) the contractor shall be responsible to purchase, deliver and install off site fill materials to allow the building pad, Stadium, parking areas, driveways and site grades to be achieved. It is this contractor's responsibility to restore all areas disturbed by harvesting operations completely. It is the responsibility of this contractor to understand fully the existing soil conditions and how they can be utilized to achieve grades within the project schedule timeline . The contractor may request permission test/review the soils in the field prior to bidding. The Geotech report for onsite soil stockpile from Leach School Site is attached for reference.

42. This contractor shall provide off site fill that meet the project specifications, to establish the grades for the Fieldhouse Bldg. Pad and Maintenance Bldg. Pad.

43. All structural soils that are to be stock pile on site shall be covered as the stockpile is being created and them kept covered as needed to insure the integrity of the materials (keep it dry) by this contractor.

44. Provide all concrete curbs, sidewalks, pads and ramps, including bituminous joint filler. All backfilling at concrete curbs, sidewalks, pads and ramps shall be flush with top of concrete. Include all stone bedding as detailed on the contract documents. Curb excavations shall be bedded with 4" of crush and run stone material prior to installation of the concrete curbs.

45. Provide curb cuts, depressions and filter strips as designated.

46. Provide all unloading and material handling for the work of this contract.

47. Provide all concrete bumper blocks at parking areas.

48. Provide all bituminous paving to include but not limited to drive lanes, parking lots, bus parking, paved islands, pathways etc.

49. This contractor to include in the base bid the cost associated with installing the base course on the drive lanes and parking areas prior to the scheduled installation of the top coat. Include remobilization, cleaning, tacking etc. as necessary to prepare utilized base course for final paving top coat.

50. Provide all concrete paving as indicated on the contract documents.

51. Millings may not be used as a substitute for stone base.

52. This Contractor will provide all pavements markings, fire lane signs, and traffic signs.

53. The certified construction reviewer (CCR) will be provided by this contractor. Review controls on a weekly basis and complete repairs to stay complaint with DNREC & CCR requirements.

54. Furnish, install and remove approximately **6000** linear feet of temporary construction fence required. The fence shall consist of new 6' high #9 gauge galvanized chain link fence with top rail and bottom tension wire. Provide (3) 12' wide gates. The posts shall be installed in the ground. This fence is required to be in-place for the duration of the project, as directed by CM. Maintain this work until Substantial Completion of this project. At the end of the project remove the fence, patch and repair the finished surfaces to a like-new condition. Provide black wind screen material for all areas of the temporary fencing.

55. Proof rolling of limit of excavation prior to fill operations, coordinate all work with the CM and the Geo-Tech engineer assigned.

56. All utilities shall be brought to within +/- 5 feet of the building line by this Contractor(Domestic/Fire Water, Sanitary, Storm, etc.). The connection and all utilities from +/- 5 feet and into the building shall be by others. This does not include the storm water line; this contractor shall tie in the storm water to the building.

57. Temporary maintenance standby labor such as for temporary water, temporary power, temporary light and the like where required due to this Contractor's work is to be included within the Contract Price.

58. Provide OSHA compliant perimeter protection of all excavated areas until suitably backfilled. Signage, fencing and posts is required; no other method will be acceptable. "Caution" tape is not acceptable protection.

59. ASPHALT CEMENT COST ADJUSTMENT
    a. Payments to the Contractor shall be adjusted to reflect increase or decreases in the Delaware Posted Asphalt Cement Price when compared to the Project Asphalt Cement Base Price, as defined in these Special Provisions.
    b. The Delaware Posted Asphalt Cement Price will be issued monthly by the Department and will be the industry price for Asphalt Cement, F.O.B. Philadelphia, Pennsylvania.
    c. All deviations of the Delaware Posted Asphalt Cement Price from the Project Asphalt Cement Base Price are eligible for cost adjustment. No minimum increases or decreases or corresponding percentages are required to qualify for cost adjustment.
    d. Actual quantity of asphalt cement qualifying for any Asphalt Cement Cost Adjustment will be computed on the basis of weight tickets and asphalt percentage from the approved job mix formula.
    e. For Recycled Hot-Mix the asphalt percentage eligible for cost adjustment shall be only the new asphalt cement added to the mix.
    f. The Asphalt cement cost adjustment will be calculated on grade PG 64-22 asphalt regardless of the actual grade of asphalt used. The Project Asphalt Cement Base Price for the project will be based on the August 1st price posted on DelDOT's website.
    g. If the Contractor exceeds the authorized allotted completion time, the price of asphalt cement on the last authorized allotted work day, shall be the prices used for cost adjustment. However, if the industry posted price for asphalt cement goes down, the asphalt cement cost shall be adjusted downward accordingly.

60. Provide street cleaning of mud, etc. on a daily basis when actively performing work on the site.

61. Include all costs for temporary barricades, arrows, pedestrian protection, flagmen, etc. required to complete the work.

62. Base bid shall include all standard dewatering measures, utilizing trenches, crocks, stone and portable pumping measures. This contractor to provide these measures as required to perform their work. Well pointing if necessary, will be handled as a negotiated cost by the Owner.

63. Furnish and install (7) dewatering crocks within the building pad or stadium areas as directed by construction manager. Dewatering crocks shall consist of 2' diameter, 3' long perforated pipe with a #3 stone base. This contractor shall remove and fill the dewatering crocks when directed by construction manager.

64. This Contractor shall provide and maintain all temporary access roads as detailed in Contract Documents, until completion of project.

65. Provide all plant material and all associated work including, but not limited to, staking, watering, weeding, fertilizing, etc.

66. Planting soil mix in beds and topsoil to be provided by the Sitework Contractor. Provide all additional soil mix required to set plant materials and final grading. (triple screened topsoil is required in all areas)

67. Provide filter fabric, weed, check and mulch at all planting areas.

68. Provide specified warranties, general two year and all extended warranties.

69. Provide all dewatering of excavations until final acceptance.

70. Provide temporary shoring to support and maintain adjacencies and excavations per OSHA standards.

71. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

72. Provide As-Built Drawings both in electronic format and a hard copy.

73. Note: The existing school and all associated activities will be ongoing as your work is performed, caution shall be utilized by your crews at all times. The main entrance to the new school will not be used for access. All construction personal, equipment and material deliveries shall utilize the Temporary Construction Entrance on Frenchtown Rd. Extreme caution must be utilized whenever accessing active school properties(by permission of CM), including limited access between the hours of 7:00 AM and 3:15 PM.

74. Provide pricing for alternates as described in Section 012300-Alternates.

75. Provide perimeter stormwater drains at all buildings (including within 5' of the building perimeter). This contractor to provide the final connections. Provide downspout adaptors and cast iron boots,

coordinate with roofer for the correct downspout size. Provide splash block where called for.

Stadium Field, Running Track, Courtyard Turf Areas, Baseball and Softball Fields, Bleachers Areas.

76. This contractor shall provide all work associated with the stadium turf field, running track and athletic field equipment. This shall include but not be limited too, all subbase construction, concrete curbs, drainage systems, concrete paving, fencing , gates, sidewalks, shock pad, turf, running track base and surface, stripping and logos, athletic equipment and associated work to provide completed system.

77. Provide Track, Football, Baseball, Softball, Field Hockey and Soccer field equipment and athletic field equipment as per documents.

78. Provide all electronic scoreboards, including foundations and anchoring, as per bid documents.

79. Bleachers and stadium bleacher concrete foundations are NOT included in Bid Pack A.

80. This contractor shall provide all work associated with Section 321823.26 Natural Grass Athletic Field Surfacing.

81. Provide all practice fields, baseball and softball fields, shot put area, fencing, gates, back stops and all other athletic accessories identified in the contract documents.

82. This contract owns all chain link fencing and ornamental fencing, gates and hardware.

83. This contractor shall coordinate the shop drawings and submittals for the turf field and track. This includes coordinating the specific sports lining for each area with the CM and owner for final review.

84. Provide Synthetic turf, including subbase preparation, subbase completed, shock pad, stone aggregate drainage layer, concrete curbs, and clean up after installation area as directed by the contract documents. This applies to the (include all required soil stabilization at subbase)

85. The Turf Shock Pad shall be delivered and kept sealed until use/installation.

86. Provide all unloading and material handling for this work.

87. This contractor shall provide all Bio-Retention areas as indicated on the contract documents complete. Including all planting's, Bio-Media materials, etc. and maintenance of planting as identified. This contractor shall provide the required As-Built for submission to DNREC within 1 week of completion of this work. All ponds shall be sodded where grass areas are indicated.

88. The existing sediment pond shall be filled as per DNREC's approval, include structural fill drainage material compacted to 95% of ASTM D698 to complete this area. Provide topsoil and sod at completion.

89. Provide All sidewalks and paved areas indicated on the contract documents are part of this contractor's scope.

90. This contractor shall provide all manual swing arm gates complete as detailed and located on the contract documents.

91. Temporary power and water will NOT be supplied by CM. Temporary power and water will be the responsibility of this contractor.

92. Provide a $300,000 allowance for soil remediation to be allocated by the Owner/Construction Manager. All work to be tracked on a T&M Basis. All unused allowance will be returned to the owner.

93. Provide a $100,000 allowance for misc. work directed by CM and Owner. All work to be tracked on a T&M Basis. All unused allowance will be returned to the owner.

94. Provide a $100,000 allowance for relocation of existing utilities as directed by CM and Owner. All work to be tracked on a T&M Basis. All unused allowance will be returned to the owner.

95. Provide a $100,000 allowance for temporary stormwater management as directed by CM and Owner. All work to be tracked on a T&M Basis. All unused allowance will be returned to the owner.

96. Provide a $50,000 allowance for snow removal as directed by CM and Owner. All work to be tracked on a T&M Basis. All unused allowance will be returned to the owner.

97. Excess topsoil removal from site will be the responsibility of this contractor. Any excess topsoil shall be removed from site as part of this contract. (Addendum #5)

98. The site is intended to be a balanced site, including the approximately 15,000 cubic yard stockpile. The design team will make adjustments to grades, where possible, to accommodate any excess fill material. This contractor shall be responsible to move and place excess fill materials within the site, to and from a designated stockpile. In the event excess fill material remains after these adjustments, the excess fill material will be removed from the site based on unit cost for unsuitable soil removal and disposal. (Addendum #5)

END OF SECTION

STATE OF DELAWARE
DEPARTMENT OF LABOR
OFFICE OF CONSTRUCTION INDUSTRY ENFORCEMENT
252 CHAPMAN ROAD, STE 210
NEWARK, DELAWARE 19702

Via Electronic and Regular Mail

August 28, 2026

Mr. Warren Ellis
Edis Company
110 South Poplar St
Wilmington, DE 19801

Re: COLONIAL SCHOOL DISTRICT WILLIAM PENN HIGH SCHOOL ATHLETICS COMPLEX BID PACK B, New Castle County, DE

Dear Mr. Ellis:

I am responding to your request for a category determination for the COLONIAL SCHOOL DISTRICT WILLIAM PENN HIGH SCHOOL ATHLETICS COMPLEX BID PACK B, which is a state funded construction project located in New Castle County, DE. The work consists of building construction related to new ball fields concessions, new restrooms, new fieldhouse and new maintenance buildings. You estimate the total cost of construction for this project to be $19,000,000.00.

Based upon the information you provided the Department of Labor has determined that this project is a Building Construction project.

Delaware's Prevailing Wage Regulations provide that the rates applicable to a project are the rates in effect on the date of publication of the specifications for that project. I have enclosed a certified copy of the March 13, 2026, prevailing wage rates for Building Construction to be included in your bid specification. However, please be advised that, in the event that a contract for a project is not executed within one hundred and twenty (120) days from the earliest date the specifications were published, the rates in effect at the time of the execution of the contract shall be the applicable rates for the project.

This determination is directed solely to the parties identified herein. It is based on the unique facts relevant to this matter. It does not constitute precedent and should not be cited as such by future parties.

Pursuant to 19 Del. Chapter 36, all contractors must obtain their Contractor Registration Certificate prior to performing construction services or maintenance work throughout Delaware. Contractors can submit an application by visiting the Delaware One Stop https://onestop.delaware.gov/Operate_Contractors.

Additionally, effective January 1, 2025, SSI for SB307 amends Delaware's Prevailing Law 29 Del.C.6960(b) now requires these applicable prevailing wage rates to be paid to all workers who perform custom fabrication work regardless of where the work is performed. For further information regarding custom fabrication see 29 Del.C.6902(8).

Lastly, please see the enclosed debarment list. Entities/individuals listed shall not be permitted to bid on, be awarded or work on Delaware State funded construction projects, in the timeframe specified, as provided for under 29 Del.C.6960 or other applicable State statutes.

If you have any questions or I can provide any additional assistance, please do not hesitate to contact me at (302) 451-3415.

Sincerely,

Jeffry Schott
Labor Law Enforcement Officer
Jeffry.schott@delaware.gov

Enclosures

STATE OF DELAWARE
DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL AFFAIRS
OFFICE OF LABOR LAW ENFORCEMENT
PHONE: (302) 318-2769

Mailing Address:
252 Chapman Road
Suite 210
Newark, DE 19702

Located at:
252 Chapman Road
Suite 210
Newark, DE 19702

PREVAILING WAGES FOR BUILDING CONSTRUCTION EFFECTIVE MARCH 13, 2026

CLASSIFICATION	NEW CASTLE	KENT	SUSSEX
ASBESTOS WORKERS	30.70	37.78	55.01
BOILERMAKERS	91.87	46.61	68.52
BRICKLAYERS	68.29	68.29	68.29
CARPENTERS	64.06	64.06	52.30
CEMENT FINISHERS	96.91	68.92	53.44
ELECTRICAL LINE WORKERS	61.02	52.34	39.90
ELECTRICIANS	86.87	86.87	86.87
ELEVATOR CONSTRUCTORS	121.73	86.57	109.37
GLAZIERS	88.42	88.42	76.04
INSULATORS	71.54	71.54	71.54
IRON WORKERS	79.33	79.33	79.33
LABORERS	59.65	59.65	59.65
MILLWRIGHTS	91.00	91.00	73.10
PAINTERS	61.53	61.53	61.53
PILEDRIVERS	93.37	52.83	42.72
PLASTERERS	40.06	40.06	29.69
PLUMBERS/PIPEFITTERS/STEAMFITTERS	82.05	85.29	78.26
POWER EQUIPMENT OPERATORS	85.29	85.29	85.29
ROOFERS-COMPOSITION	36.41	31.28	33.64
ROOFERS-SHINGLE/SLATE/TILE	24.68	29.36	23.08
SHEET METAL WORKERS	87.84	87.84	87.84
SOFT FLOOR LAYERS	63.69	63.69	50.43
SPRINKLER FITTERS	77.63	77.63	77.63
TERRAZZO/MARBLE/TILE FNRS	73.75	73.75	84.10
TERRAZZO/MARBLE/TILE STRS	81.93	81.93	93.27
TRUCK DRIVERS	58.41	36.83	28.66

CERTIFIED: 8-28-2026 BY: Selena Chrostad /fe
ADMINISTRATOR, OFFICE OF LABOR LAW ENFORCEMENT

NOTE: THESE RATES ARE PROMULGATED AND ENFORCED PURSUANT TO THE PREVAILING WAGE REGULATIONS ADOPTED BY THE DEPARTMENT OF LABOR ON APRIL 3, 1992.

CLASSIFICATIONS OF WORKERS ARE DETERMINED BY THE DEPARTMENT OF LABOR. FOR ASSISTANCE IN CLASSIFYING WORKERS, OR FOR A COPY OF THE REGULATIONS OR CLASSIFICATIONS, PHONE (302) 318-2769.

NON-REGISTERED APPRENTICES MUST BE PAID THE MECHANIC'S RATE.

PROJECT: COLONIAL SCHOOL DISTRICT WILLIAM PENN HIGH SCHOOL ATHLETICS COMPLEX BID PACK B, New Castle County

PREVAILING WAGE DEBARMENT LIST

The following contractors have been debarred for violations of the prevailing wage law 29Del.C. §6960 or other applicable State statutes.

Therefore, no public construction contract in this State shall be bid on, awarded to, or received by contractors and individuals on this list for a period of (3) three years from the date of the judgment or as deemed by a court of competent jurisdiction.

Contractor	Address	Date of Debarment
Mullen Brothers, Inc. and Daniel Mullen, individually	3375 Garnett Road, Boothwyn, PA 19060	Indefinite/ Civil Contempt
State Contractors Corporation, and Jose Oscar Rivera, individually	13004 Hathaway Drive Silver Spring, MD 20906	Indefinite/ 19 Del.C. 2374(f)
Green Granite and Jason Green, individually	604 Heatherbrooke Court Avondale, PA 19311	Indefinite/ Civil Contempt
Pro Image Landscaping, Inc. and Owner(s) individually	23 Commerce Street Wilmington, DE 19801 and/or 2 Cameo Road Claymont, DE 19703	Indefinite/19 Del.C. §108 & 10 Del.C. 542(c)
Liberty Mechanical, LLC and Owner(s), individually	2032 Duncan Road Wilmington, DE 19801	Indefinite/ 19 Del.C. 2374(f)
Integrated Mechanical and Fire Systems Inc. and Allison Sheldon, individually	4601 Governor Printz Boulevard Wilmington, DE 19809	Indefinite/19 Del.C. §108 & 10 Del.C. 542(c)
ACH 1, INC.	873 Salem Church Road Newark, DE 19702	Indefinite/19 Del.C.6960

Updated: July 6, 2022