DOCUMENT 00 90 00
ADDENDUM

ADDENDUM NO. [3] **Date: November 20, 2018**

RE: **GLENWOOD COMMUNITY SCHOOL DISTRICT**
ATHLETIC COMPLEX IMPROVEMENTS BID PACKAGE 2 REBID
400 SIVERS ROAD
GLENWOOD, IOWA 51534
HSR PROJECT NO. 18005

FROM: HSR Associates, Inc
100 Milwaukee Street
La Crosse, WI 54603
(608) 784-1830

To: Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated November 2018. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [6] pages, [2] specification sections and [9] 30 x 42 Drawings.

CHANGES TO PREVIOUS ADDENDUM:

1. Sheet A101R1 FIRST FLOOR STADIUM PLAN 30 x 42 Drawing attached hereto. (Replaces A101R from Addendum 2.)
    a. Revisions clouded on Drawing.
    b. Key Note 4: Change “overhead” to “roll-up”.

2. Sheet A302R1 FIRST FLOOR STADIUM BUILDING SECTIONS 30 x 42 Drawing attached hereto. (Replaces A302R from Addendum 2.)
    a. Revisions clouded on Drawing.
    b. 2A302R1: Install a closure panel along the bottom inside of bleachers from column to column to close off underside completely. Provide intermediate support verticals as required between support columns.
    c. The footing/foundation design shown may vary by supplier requirements. Final requirements and quantities shall be verified with grandstand supplier.

CHANGES TO SPECIFICATIONS:

3. Section 08 71 00 door hardware
    a. At Hardware Group 10 add the following doors: B106a, B107a, B108a, B109a and B110a. These doors are at the bleacher enclosure clarified in drawings attached to this addendum.
4. Section 14 21 00 ELECTRIC TRACTION ELEVATORS
    a. Delete section from Contract Documents.
5. Section 14 24 00 HYDRAULIC ELEVATORS
    a. Add section to Contract Documents for 2 stop holeless hydraulic elevator.

6. Section 13 34 16 PERMANENT GRANDSTANDS AND ENCLOSURES

    a. 11. Home Side Enclosure Systems: The grandstand enclosure system may be provided as part of the grandstand system or the bleacher supplier may reach out to a third party experienced in constructing the specified system to price and construct the enclosure. Pricing for the enclosure system shall be included in the overall grandstand bid to the General Contractors.

    b. 11, d: Refer to Section 08 33 23 Overhead Coiling Doors for product description.

    c. Enclosure Man Doors: Refer to Drawings attached to this addendum for hollow metal doors, frames and hardware to be supplied by Division 8 with all other project doors. Bleacher supplier shall coordinate frame requirements and substrate preparation for installing frames in enclosure system.

7. Section 32 18 23.29 SYNTHETIC FIELD SPORT SURFACING

    a. 1.6: In second sentence change "1,000,000 square feet" to (5) installed fields" and "Midwest" to "Iowa, Minnesota, Wisconsin, Illinois, Missouri, Nebraska or South Dakota."

    b. 2.1: Suppliers shall provide pricing for the following: 2 ¼ inch pile height with minimum 6 lbs/s.f. in manufacturer's standard ratio of rubber fiber to sand mix, with ½ inch fiber exposure after install AND 2 ½ inch pile height with minimum 6 lbs/s.f. in manufacturer's standard ratio of rubber fiber to sand mix, with ½ inch fiber exposure after install. All other performance requirements apply.

    c. Turf Suppliers: If there is a different system that may perform better and be a better fit, either more or less in cost, provide a cost and attach description using the Bidders Choice Substitution form included in the Bid Form.

8. Section 32 18 23.39 RUNNING TRACK SYNTHETIC SURFACING

    a. 2.1: Polyurethane surface shall be provided by one of the following: Advanced Polymer Technologies, Beynon or Stockmeier.

CHANGES TO DRAWINGS

9. Sheet C102R SITE LAYOUT PLAN (ATHLETIC SITE) BID PACKAGE #2 30 x 42 Drawing attached hereto
    a. Revisions clouded on Drawing.
    b. Install (24) additional concrete tent tie downs at south end of proposed Gateway building adjacent to running track retaining wall.
    c. Note 26 indicates required curb for slot drain at alternate bid only. Slot drain not required for artificial turf system.

10. Sheet C105R SITE UTILITY PLAN 30 x 42 Drawing attached hereto
    a. Revisions clouded on Drawing.
    b. New water service installed up to the northwest corner of proposed Gateway building shall be 3" in lieu of 2".
    c. Install 51 L.F of new gas service (load 757 MBTUH) to the northwest corner of proposed Gateway building.
    d. Install 504 L.F of new 1 ½" water service from existing water main located at north end of proposed bus drive up to the new concessions building located under stadium bleachers (Base bid). Install 504 L.F of new 3" water service in lieu of 1 ½" water service as part of (Alternate Bid).

11. Sheet C107 SITE DETAILS (ATHLETIC SITE) BID PACKAGE #2
    a. 13C107: Reference to "SS40 Steel refers to hot-dip galvanized and chromated by immersion and clear organic top coat or aluminized.

12. Sheet A102R PRESS BOX PLANS 30 x 42 Drawing attached hereto.
    a. Revisions clouded on Drawing

13. Sheet A201R PRESS BOX ELEVATIONS 30 x 42 Drawing attached hereto.
    a. Revisions clouded on Drawing.

14. Sheet A300R PRESSBOX BUILDING SECTIONS 30 x 42 Drawing attached hereto.
    a. Revisions clouded on Drawing.
    b. 1A300: Overhang should be the same as 9S301: 2'-9 3/8" & 3'-5 3/8" overhang from grid line 2.

15. Sheet A301R GATEWAY BUILDING SECTIONS 30 x 42 Drawing attached hereto
    a. Revisions clouded on Drawing.
    b. 4A301: Overhang should be the same as 15S300; 5'-4" overhang from inside face of CMU.

16. Sheet A303 WALL SECTIONS
    a. 2A303: Overhang should be the same as 11S301; 7'-6" overhang from grid 3.

17. Sheet A503 SECTION DETAILS
    a. 4A503: Overhang should be the same as 21S300; 1'-4" overhang from grid B

18. Sheet A504 SECTION DETAILS
    a. 10A504: Overhang should be the same as 9S300; 2'-1 ½" overhang from inside face of CMU.
    b. 11A504: Overhang should be the same as 14S300; 6'-4 3/16" overhang from centerline of beam.

19. Sheet A600R DOOR SCHEDULE AND FRAME ELEVATIONS 30 x 42 Drawing attached hereto
    a. Revisions clouded on Drawing.

20. Sheet P100 GATEWAY & STADIUM UNDERFLOOR PLUMBING PLANS
    a. Double exterior cleanouts on sanitary pipe 5'-0" away leaving the building. See detail on sheet P103
    b. Added Notes #1, #2 and #3 to see civil plans for continuation and exterior cleanout detail.
    c. Added plumbing riser designations to cross reference Underfloor Plumbing Plans to the Plumbing Risers on P104.
    d. Add note for location of cast iron pipe in Concessions A113.

21. Sheet P101 GATEWAY BUILDING PLUMBING PLAN
    a. In Concessions A113; cap 3/4" gas pipe at 10'-0" above finished floor for future range, extend 3/4" domestic hot and cold water down wall to electric kettle. Terminate at 18" above finished floor with ball valve and threaded hose connection. Added floor sink adjacent to electric kettle.
    b. Extend drain line from roof hydrant over to floor drain in MECH. A110.
    c. Added water hammer arrestors in domestic cold water pipe where shown. Refer to schedule on P103.
    d. Added sheet notes 11, 12, 13, 14, and 15.

22. Sheet P102 STADIUM BUILDING PLUMBING PLAN
    a. Added elevator sump pump (SP-1) horizontal pipe discharge from 2” to 3” and extend to over to service sink (SS-1) in Jan. /Mech. B103.
    b. Locate domestic water heater (DWH-2) located on floor next to service sink.
    c. Revised Stadium Water Service Detail – there are two details with (1) for Base Bid and (1) for Alternate Bid.
    d. Revised sheet note #7.

23. Sheet P103 PLUMBING SCHEDULES, DETAILS & SYMBOLS
    a. Update Elevator Pit Sump Pump Detail – Show 3” PVC horizontal pipe with 2” riser from sump pump (SP-1).
    b. Plumbing Equipment Schedule – (DWH-2), shall be a 40 gallon tank, model number ENT-40.
    c. Water Hammer Arrestor Schedule was added.
    d. Plumbing Fixture Schedule – (L-2), Changed model number to EW72000.

24. Sheet P104 PLUMBING & GAS RISERS
    a. Gas Riser – Shows 3/4" gas pipe capped for future range.

25. Sheet M100 GATEWAY BUILDING HVAC PLAN
    a. Changed location and duct size of exhaust (EF-2).

26. Sheet M101 STADIUM BUILDING HVAC PLAN
    a. Extend humidity drain pipe from (AC-1), (AC-2) & (AC-3) over to floor drain located in Jan. /Mech. B103.
    b. Relocated (MS-1), (MS-2) and (MS-3).

27. Sheet M103 HVAC SCHEDULES, DETAILS AND SYMBOLS
    a. Roof Top Unit Schedule – Note correction on #1, exhaust discharge – side.
    b. Exhaust Fan Schedule – Changed exhaust fan (EF-2) and added note #6.

28. Sheet E001 ELECTRICAL SITE PLAN
    a. Background has been updated.

29. Sheet E200 GATEWAY BUILDING POWER PLAN
    a. Moved telecom board in MECH A110 room.
    b. Duct smoke detector and note added to RTU-1 on Electrical Roof Plan.
    c. Ice machine removed from Concessions Enlarged Power Plan – two ice machine locations added to First Floor Power Plan.
    d. Receptacle changed to wall-mounted Junction Box on Concessions Enlarged Power Plan.
    e. Wall Mounted Junction box added for Speed Controller for EF-2 on Concessions Enlarged Power Plan.
    f. Notes added for new ice machine locations and wall mounted Speed Controller for EF-2.

30. Sheet E201 FIRST FLOOR STADIUM POWER PLAN
    a. MS-1, 2, 3 location moved – Circuits to each unit relocated.
    b. DWH-2 location moved in JAN./MECH B103 – Circuit relocated.
    c. Panels 2A/2B in JAN./MECH B103 relocated from behind door.

31. Sheet E300 ELECTRICAL SCHEDULES
    a. EWH-1 added to Equipment Connection Schedule.
    b. Ice machine circuits added to Panel 1B in Panel Schedule.
    c. EF-2 circuit added to Panel 1B in Panel Schedule.

32. Sheet E400 ELECTRICAL DETAILS
    a. Two Electrical Details were removed from this page

PROJECT QUESTIONS/ANSWERS

33. At the pre-bid meeting on November 13, 2018 it was made clear that there was a Bid Package #1 currently going on. The subgrade under the new Gateway Building will be brought up to grade including 10' outside of the building and then sloped 3 to 1 after that.
    a. That is correct.
34. Will the rest of the asphalt parking, concrete and gravel on the west side of the track get removed per the Bid Package #1? Will this information be included into an addendum? Can we be given a detailed scope of what is included (and even perhaps excluded) from the previously awarded work?
    a. Items were clarified in Bid Pack#1 documents. In general, the work consisted of the removal of all existing buildings along the west side of proposed project that also included the existing baseball building and home stadium bleachers. All existing hard surface areas west of running track were also removed as part of Bid Pack#1. Other additional work included the termination of existing utilities through proposed Gateway building pad. Silt fence was installed along top of existing ditch adjacent to Sivers Rd. along with constructing a rock construction entrance pad. Also added as part of construction bulletin, Bid Pack #1 contractor is to bring Gateway building pad up to grade including an area 10' outside building footprint sloped at max 3:1 down to grade.

35. The current drawings, specifically the existing topo drawing, still shows the existing bleachers, building, asphalt parking, etc. Our current demolition drawing do not indicate the removal of these items that we "believe" to be out of our scope. However, we would like some verification of what exactly is to be included in our scope and what is not.
    a. The area west of existing track was shown for reference. It was removed in Bid Pack #1 (See above reference for scope of work in Bid Pack#1). Only items depicted in demolition keynotes to be included as part of Bid Pack #2 construction.
36. Are the footings being removed in BP#1? If not, how is this to be handled?
    a. Yes, the building footings were removed in Bid Pack #1.

37. What condition will the grades be left in BP#1? Can we be provided with a proposed topo that covers this area?
    a. Grades to be left at subgrade elevations of areas of removed asphalt, concrete, or gravel. See geotechnical report for existing depths. No existing topo will be available.

38. Are there any basements that need backfilled? Will they be completed in BP#1?
    a. No basements required to be backfilled.
39. What compaction requirements will be in place in the areas covered by BP#1?
    a. 95% Modified Proctor. The owner has pre-selected a geotechnical firm to do all material testing for Bid Pack #1 and Bid Pack #2. No testing costs are required as part of bid, only on-site coordination with owner's testing agency is needed.
40. Will the existing utilities in the area covered by BP#1 be removed in that BP? Correct. None of this is shown to be removed in BP#2. Some of these utilities cross what we believe is the separation line between BP#1 and BP#2.
    a. It's defined in each bid package which utilities are to be removed.
41. The drawings have a clear depiction of the limits of BP#2. However, BP#1 is contained within that area. We need some kind of scope of work to assure what we are contractually going to be responsible for. The BP#1 could leave us with a mess, we need something that says exactly what they are responsible for in order to provide a bid on this project.
    a. See Item #2 response above for general scope of work.
42. Since there is already earth disturbance of this area, is an erosion control permit in place? How is this transition handled to BP#2?
    a. Erosion Control permit is in place for entire project. It will be transitioned at time of awarded contract.
43. Who is doing the SWPPP inspections on the project?
    a. Bid Pack #1 contractor will provide small reports as part of their scope of work. Bid Pack #2 contractor will provide majority/remaining of all reports as part of that package. Transition to be discussed with awarded contractor.
44. What BMP's will be in place at the time of BP #2 start? Will the BP #2 contractor be responsible for maintaining and removing these?
    a. Silt fence along existing top of ditch adjacent to Sivers Rd. along with Rock construction entrance will be in place. Correct, Bid Pack#2 contractor shall be responsible for maintaining items in place, adding additional items per new bid documents, and removing items at end of construction.
45. Will a Construction Entrance/Exit be in place? What size, what location?
    a. A rock construction entrance is in place located at the NW corner of the property for use by both Bid Package operations. It's approximately 20'w x 50' L.

PRIOR APPROVALS

1. Section 03 30 00 CAST-IN-PLACE CONCRETE
    a. 2.07, D: SpecChem; Cure & Seal 25

2. Section 07 92 00 JOINT SEALANTS
    a. 2.05, C: SpecChem; Spec Poxy CJ
    b. 2.05, D: SpecChem; Rapid Flex CJ
3. Division 23
    a. Louvers: Pottorff
    b. Ceiling/Cabinet Exhausters: Acme
    c. Centrifugal Roof/Wall Exhausters: Acme

4. Sheet E300 ELECTRICAL SCHEDULES: Hand Dryers: World Dryer, VERDEdri.

END OF DOCUMENT 00 90 00

SECTION 08 33 23
OVERHEAD COILING DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Overhead coiling doors, operating hardware, exterior; manually operated.

1.02 RELATED REQUIREMENTS

A. Section 13 34 16 - Permanent Grandstands and Enclosures: Enclosure to receive roll-up doors.

1.03 REFERENCE STANDARDS

A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.

1.04 SUBMITTALS

A. See Section 01 30 00 - General Requirements, for submittal procedures.

B. Product Data: Provide general construction and component connections and details.

C. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.

D. Manufacturer's Installation Instructions: Indicate installation sequence and procedures, adjustment and alignment procedures.

E. Maintenance Data: Indicate lubrication requirements and frequency and periodic adjustments required.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Overhead Coiling Doors:
   1. C.H.I. Overhead Doors: www.chiohd.com/#sle.
   2. Clopay Building Products: www.clopaydoor.com/#sle.
   3. Cornell Iron Works, Inc.: www.cornelliron.com.
   4. The Cookson Company: www.cooksondoor.com/#sle.
   5. Wayne-Dalton, a Division of Overhead Door Corporation: www.wayne-dalton.com/#sle.
   6. Overhead Door Co.
   7. Raynor.
   8. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 COILING DOORS

A. Exterior Coiling Doors: Steel slat curtain. 10 foot wide by 8 foot high.
   1. Capable of withstanding positive and negative wind loads of 20 psf, without undue deflection or damage to components.
   2. Single thickness slats.
   3. Nominal Slat Size: 2 inches wide x required length.
   4. Finish: Factory painted, color as selected from standard line.
   5. Guide, Angles: Galvanized steel.
   6. Hood Enclosure: Manufacturer's standard; primed steel.
   7. Manual push up operation.
   8. Mounting: Within framed opening.

2.03 MATERIALS AND COMPONENTS

A. Curtain Construction: Interlocking slats.
   1. Slat Ends: Alternate slats fitted with end locks to act as wearing surface in guides and to prevent lateral movement.
   2. Curtain Bottom: Fitted with angles to provide reinforcement and positive contact in closed position.

B. Steel Slats: Minimum thickness, 22 gage, 0.0299 inch; ASTM A653/A653M galvanized steel sheet.

C. Guide Construction: Continuous, of profile to retain door in place with snap-on trim, mounting brackets of same metal.

D. Guides - Angle: ASTM A36/A36M metal angles, size as required to meet code and loads.
   1. Prime paint.

E. Hood Enclosure and Trim: Internally reinforced to maintain rigidity and shape.
   1. Prime paint.

F. Lock Hardware:
   1. Slide Bolt: Provide on both-jamb sides, extending into slot in guides.

G. Roller Shaft Counterbalance: Steel pipe and helical steel spring system, capable of producing torque sufficient to ensure smooth operation of curtain from any position and capable of holding position at mid-travel; with adjustable spring tension; requiring 25 lb nominal force to operate.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that opening sizes, tolerances and conditions are acceptable.

3.02 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

E. Install enclosure and perimeter trim.

3.03 ADJUSTING

A. Adjust operating assemblies for smooth and noiseless operation.

3.04 CLEANING

A. Clean installed components.

B. Remove labels and visible markings.

END OF SECTION

SECTION 14 24 00
HYDRAULIC ELEVATORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Complete hydraulic elevator systems with equipment located in elevator pit.
   1. Passenger type.

B. Elevator Maintenance Contract.

1.02 RELATED REQUIREMENTS

A. Section 03 30 00 - Cast-in-Place Concrete: Includes elevator machine foundation, elevator pit, grouting thresholds, and grouting hoistway entrance frames.

B. Section 04 20 00 - Unit Masonry: Masonry hoistway enclosure; building-in and grouting hoistway door frames.

C. Section 05 12 00 - Structural Steel Framing: Includes overhead hoist beams.

D. Section 05 50 00 - Metal Fabrications: Includes elevator pit ladder and sill supports.

E. Section 07 11 13 - Bituminous Dampproofing: Dampproofing of elevator pit foundation

F. Section 07 84 00 - Firestopping: Fire rated sealant in hoistway.

G. Section 09 65 00 - Resilient Flooring: Floor finish in car.

H. Coordination items with Plumbing and Electrical:
   1. Motor for sump pump in pit.

I. Coordination items for Electrical Contractor:
   1. Electrical characteristics and wiring connections.
   2. Electrical service to main disconnect located in controls location.
   3. Electrical power for elevator installation and testing.
   4. Electrical disconnecting device to elevator equipment prior to activation of sprinkler system.
   5. Electrical service for machine room, convenience outlets, and elevator pit.
   6. Lighting in elevator pit.
   7. Conduit for telephone service to location(s) as indicated on drawings.
   8. Fire and smoke detectors and interconnecting devices.
   9. Fire alarm signal lines to elevator controller cabinet.

1.03 REFERENCE STANDARDS

A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).

B. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.

C. AISC 360 - Specification for Structural Steel Buildings; 2010.

D. ASME A17.1 - Safety Code for Elevators and Escalators; 2013.

E. ASME A17.2 - Guide for Inspection of Elevators, Escalators, and Moving Walks; 2014.

F. ASME QEI-1 - Standard for the Qualification of Elevator Inspectors; 2013.

G. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.

H. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.

I. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2015 (Errata 2016).

J. ITS (DIR) - Directory of Listed Products; current edition.

K. NEMA MG 1 - Motors and Generators; 2014.

L. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

M. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2016.

N. PS 1 - Structural Plywood; 2009.

O. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Coordinate work with other installers to provide conduits necessary for installation of wiring including but not limited to:
      a. Elevator equipment devices remote from elevator machine room or hoistway.
      b. Telephone service for machine room.
      c. Elevator pit for lighting and sump pump.
      d. Fire alarm panel from controller cabinet.

B. Preinstallation Meeting: Convene meeting at least one week prior to start of this work.
   1. Review schedule of installation, proper procedures and conditions, and coordination with related work.

C. Construction Use of Elevator: Not permitted.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Submit data on following items:
   1. Signal and operating fixtures, operating panels, and indicators.
   2. Car design, dimensions, layout, and components.
   3. Car and hoistway door and frame details.
   4. Electrical characteristics and connection requirements.

C. Shop Drawings: Include appropriate plans, elevations, sections, diagrams, and details on following items:
   1. Elevator Equipment and Machines: Size and location of driving machines, power units, controllers, governors, and other components.
   2. Hoistway Components: Size and location of car guide rails, buffers, jack unit and other components.
   3. Rail bracket spacing; maximum loads imposed on guide rails requiring load transfer to building structural framing.
   4. Individual weight of principal components; load reaction at points of support.
   5. Clearances and over-travel of car.
   6. Locations in hoistway of traveling cables and connections for car lighting and telephone.
   7. Location and sizes of hoistway and car doors and frames.
   8. Calculated heat dissipation of elevator equipment in pit.
   9. Electrical characteristics and connection requirements.
   10. Indicate arrangement of elevator equipment and allow for clear passage of equipment through access openings.

D. Samples: Submit samples illustrating car interior finishes, car and hoistway door and frame finishes, and handrail material and finish in the form of cut sheets or finish color selection brochures.

E. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

F. Initial Maintenance Contract.

G. Maintenance Contract: Submit proposal to Owner for standard one year continuing maintenance contract agreement in accordance with ASME A17.1 and requirements as indicated, starting on date initial maintenance contract is scheduled to expire.
   1. Indicate in proposal the services, obligations, conditions, and terms for agreement period and for renewal options.

H. Operation and Maintenance Data:
   1. Parts catalog with complete list of equipment replacement parts; identify each entry with equipment description and identifying code.
   2. Operation and maintenance manual.
   3. Schematic drawings of equipment and hydraulic piping, and wiring diagrams of installed electrical equipment with list of corresponding symbols to identify markings on machine room and hoistway apparatus.

1.06 QUALITY ASSURANCE

A. Maintain one copy of each quality standard document on site.

B. Designer Qualifications: Design guide rails, brackets, anchors, and machine anchors under direct supervision of a licensed Professional Structural Engineer experienced in design of this type of work and licensed in the State in which the Project is located.

C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years documented experience.

D. Installer Qualifications: Trained personnel and supervisor on staff of elevator equipment manufacturer.

E. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of type specified in this section.

F. Products Requiring Fire Resistance Rating: Listed and classified by ITS (DIR), UL (DIR), or testing agency acceptable to authorities having jurisdiction.

G. Products Requiring Electrical Connection: Listed and classified by UL (DIR) or testing agency acceptable to authorities having jurisdiction as suitable for the purpose indicated in construction documents.

1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

B. Provide manufacturer's warranty for elevator operating equipment and devices for one year from Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Other Acceptable Manufacturers - Hydraulic Elevators:
   1. Otis Elevator Company; Hydrofit: www.otis.com.
   2. ThyssenKrupp Elevator; EnduraHMRL: www.thyssenkruppelevator.com/#sle.

B. Substitutions: See Section 01 60 00 - Product Requirements.

C. Products other than Basis of Design are subject to compliance with specified requirements and prior approval of Architect. By using products other than Basis of Design, the Contractor accepts responsibility for costs associated with any necessary modifications to related work, including any design fees.

D. Source Limitations: Provide elevator and associated equipment and components produced by the same manufacturer as the other elevator equipment used for this project and obtained from a single supplier .

2.02 HYDRAULIC ELEVATORS

A. Hydraulic Passenger Elevator:
   1. Hydraulic Elevator Equipment:
      a. Holeless hydraulic with cylinder mounted within hoistway.
   2. Drive System:
      a. Variable voltage variable frequency (VVVF) to modulate motor speed.
   3. Operation Control Type:
      a. Selective Collective Automatic Operation Control.
   4. Interior Car Height: 96 inch.
   5. Electrical Power: 208 volts; alternating current (AC); three phase; 60 Hz.
   6. Rated Net Capacity: 3000 pounds.
   7. Rated Speed: 100 feet per minute.
   8. Hoistway Size: As indicated on drawings. Coordinate selected manufacturer's hoistway dimensions prior to installation of foundations.
   9. Interior Car Platform Size: Manufacturer's standard.
   10. Elevator Pit Depth: 48 inch.
   11. Overhead Clearance at Top Floor: 152 inch.
   12. Travel Distance: As indicated on drawings.
   13. Number of Stops: 2.
   14. Number of Openings: 1 Front; 1 Rear.

15. Hydraulic Equipment Location: Adjacent to bottom of hoistway shaft.

2.03 COMPONENTS

A. Elevator Equipment:
   1. Motors, Hydraulic Equipment, Controllers, Controls, Buttons, Wiring, Devices, and Indicators: Comply with NFPA 70. Refer to Division 26.
   2. Guide Rails, Cables, Buffers, Attachment Brackets and Anchors: Design criteria for components includes safety factors in accordance with applicable requirements of Elevator Code, ASME A17.1.
   3. Buffers:
      a. Spring type for elevators with speed less than or equal to 200 feet per minute.
   4. Lubrication Equipment:
      a. Provide grease fittings for periodic lubrication of bearings.
      b. Grease Cups: Automatic feed type.
      c. Lubrication Points: Visible and easily accessible.

B. Electrical Equipment:
   1. Motors: NEMA MG 1.
   2. Boxes, Conduit, Wiring, and Devices: As required by NFPA 70. Refer to Division 26 .
   3. Sump Pump in Pit: Refer to Drawings.
   4. Spare Conductors: Provide ten percent in extra conductors and two pairs of shielded audio cables in traveling cables.
   5. Include wiring and connections to elevator devices remote from hoistway and between elevator machine room. Provide additional components and wiring to suit machine room layout. Refer to Division 26.
   6. Electrical Control Cabinet: Wall mounted at opposite side of shaft. Confirm location with manufacturer.

2.04 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Comply with ASME A17.1, applicable local codes, and authorities having jurisdiction (AHJ).

B. Accessibility Requirements: Comply with ADA Standards.

C. Perform structural steel design, fabrication, and installation in accordance with AISC 360.

D. Perform welding of steel in accordance with AWS D1.1/D1.1M.

E. Fabricate and install door and frame assemblies in accordance with NFPA 80 and in compliance with requirements of authorities having jurisdiction.

F. Perform electrical work in accordance with NFPA 70.

2.05 OPERATION CONTROLS

A. Elevator Controls: Provide landing operating panels and landing indicator panels.
   1. Landing Operating Panels: Metallic type, one for originating "Up" and one for originating "Down" calls, one button only at terminating landings; with illuminating indicators.
   2. Landing Indicator Panels: Illuminating.
   3. Comply with ADA Standards for elevator controls.

B. Interconnect elevator control system with building fire alarm and smoke alarm systems.

C. Door Operation Controls:
   1. Program door control to open doors automatically when car arrives at floor landing.
   2. Render "Door Close" button inoperative when car is standing at dispatch landing with doors open.
   3. Door Safety Devices: Moveable, retractable safety edges, quiet in operation; equipped with photo-electric light rays.

D. Lobby Monitoring Panel:
   1. Locate status indicator and control panel for each individual elevator and group of elevators in Central Control Room.
   2. Coordinate size and style of panel with console manufacturer.
   3. Etch face plate markings in panel, and fill with paint of contrasting color.
   4. Include direction indicator displaying landing "Up" and "Down" calls registered at each landing floor.

5. Include position and motion display for direction of travel of each elevator. Display appropriate graphic characters on non-glare screen. Indicate position of cars at rest and in motion.
6. Include a "Remove From In Service" switch for each elevator that then calls car to ground floor and parks car with doors open.

2.06 OPERATION CONTROL TYPE

A. Selective Collective Automatic Operation Control: Applies to car in single elevator shaft.
1. Refer to description provided in ASME A17.1.
2. Automatic operation by means of one button in the car for each landing served and by "UP" and "DOWN" buttons at the landings.
3. Stops are registered by momentary actuation of landing car buttons without consideration of the number of buttons actuated or the sequence buttons are actuated, but the stops are made in the order that landings are reached in each direction of travel.
4. All "UP" landing calls are made when car is traveling in the up direction.
5. All "DOWN" landing calls are made when car is traveling in the down direction.
6. Uppermost and lowermost calls are answered as soon as they are reached without consideration of the car travel direction.

2.07 EMERGENCY POWER

A. Set-up elevator operation to run with elevator emergency power supply when the normal building power supply fails, and in compliance with ASME A17.1 requirements.

B. Elevator Emergency Power Supply: Supplied by battery backup; provide elevator system components as required for emergency power characteristics.

C. Emergency Lighting: As selected from manufacturers standard line.

D. Provide operational control circuitry for adapting the change from normal to emergency power.

E. Upon transfer to emergency power, advance one elevator at a time to a pre-selected landing, stop car, open doors, disable operating circuits, and hold in standby condition.

2.08 MATERIALS

A. Extruded Aluminum: ASTM B221 (ASTM B221M), natural anodized finish unless otherwise indicated.

B. Plywood: PS 1, Structural I, Grade C-D or better, sanded.

C. Resilient Flooring: Sheet flooring and Resilient base, as specified Drawing.

D. Plastic Laminate: NEMA LD 3, Type HGS, color as selected by Architect from manufacturer's standard line of colors.

2.09 CAR AND HOISTWAY ENTRANCES

A. Elevator, No. B105:
1. Car and Hoistway Entrances, Each Elevator Floor Lobby:
a. Hoistway Fire Rating: 1 Hour.
b. Elevator Door Fire Rating: 1 Hour.
c. Framed Opening Finish and Material: Baked enamel on steel.
d. Car Door Material: Powder coat on steel, with rigid sandwich panel construction.
e. Hoistway Door Material: Powder coat on steel, with rigid sandwich panel construction.
f. Door Type: Double leaf.
g. Door Operation: Side opening, two speed.
h. Paint Color: As selected by Architect from manufacturer's standard line.
i. Door Width: 42 inch.
j. Door Height: 84 inch.
k. Sills: Extruded aluminum.

B. Sills/Thresholds: Configure to align with frame return and coordinate with floor finish.

2.10 CAR EQUIPMENT AND MATERIALS

A. Elevator Car:
   1. Car Operating Panel: Provide main and auxiliary; flush-mounted applied face plate, with illuminated call buttons corresponding to floors served with "Door Open" button, "Door Close" button, and alarm button.
      a. Panel Material: Integral with front return; one per car.
      b. Car Floor Position Indicator: Above door with illuminating position indicators.
      c. Locate alarm button where it is unlikely to be accidentally actuated; not more than 54 inch above car finished floor.
      d. Provide matching service cabinet integral with front return panel, with hinged door and keyed lock in each car.
      e. Provide following within service cabinet as part of car operating panel:
         1) Switch for each auxiliary operational control, keyed.
         2) Switches for fan, light, and inspection control.
         3) Emergency light.
         4) Telephone cabinet and hard-wired connection with telephone.
         5) Control for each other special feature specified.
         6) Convenience outlet receptacle; 110 VAC, 15 amps.
   2. Ventilation: Single speed fan with grille in ceiling.
   3. Flooring: Luxury vinyl tile.
   4. Wall Base: Resilient base, 4 inch high.
   5. Front Return Panel: Match material of car door.
   6. Door Wall: Plastic laminate on plywood. As selected by A/E.
   7. Side Walls: Plastic laminate on plywood. As selected by A/E.
   8. Rear Wall: Plastic laminate on plywood. As selected by A/E.
   9. Hand Rail: Aluminum, at all three sides. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.
      a. Flat Bar Stock, Solid: 1/4 inch thick by 2 inch high.
      b. Aluminum Finish: Clear anodized.
   10. Ceiling:
      a. Exposed Frame Suspended Ceiling: Plastic eggcrate diffuser, mount 7 inch below car canopy with 1-1/2 inch nominal space between edge of ceiling and wall.
      b. Frame Finish: Aluminum, brushed finish.
      c. Lighting: LED.
   11. Provide emergency access panel for egress from car at ceiling.

2.11 FINISHES

A. Powder Coat on Steel: Clean and degrease metal surface; apply one coat of primer; two coats of powder coat.

B. Baked Enamel on Steel: Clean and degrease metal surface; apply one coat of primer sprayed and baked; two coats of enamel sprayed and baked.

C. Clear Anodized Finish: Class I, AAMA 611 AA-M12C22A41 clear anodic coating with electrolytically deposited organic seal; not less than 0.7 mils, 0.0007 inch thick.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting this work.

B. Verify that hoistway, pit, and machine room are ready for work of this section.

C. Verify hoistway shaft and openings are of correct size and within tolerance.

D. Verify location and size of machine foundation and position of machine foundation bolts.

E. Verify that electrical power is available and of correct characteristics.

3.02 PREPARATION

A. Arrange for temporary electrical power for installation work and testing of elevator components, and comply with requirements of Section 01 50 00 - Temporary Facilities and Controls.

B. Maintain elevator pit excavation free of water.

3.03 INSTALLATION

A. Coordinate this work with installation of hoistway wall construction.

B. Install system components, and connect equipment to building utilities.

C. Provide conduit, electrical boxes, wiring, and accessories. Refer to Division 26.

D. Install hydraulic piping between cylinder and pump unit.

E. Mount machines, motors, and pumps on vibration and acoustic isolators.
   1. Place on structural supports and bearing plates.
   2. Securely fasten to building supports.
   3. Prevent lateral displacement.

F. Install hoistway, elevator equipment, and components in accordance with approved shop drawings.

G. Install guide rails to allow for thermal expansion and contraction movement of guide rails.

H. Accurately machine and align guide rails, forming smooth joints with machined splice plates.

I. Bolt brackets to inserts placed in concrete form work or self drilling expansion anchors.

J. Field Welds: Chip and clean away oxidation and residue with wire brush; spot prime surface with two coats.

K. Install hoistway door sills, frames, and headers in hoistway walls; grout sills in place, set hoistway floor entrances in alignment with car openings, and align plumb with hoistway.

L. Fill hoistway door frames solid with grout.

M. Structural Metal Surfaces: Clean surfaces of rust, oil or grease; wipe clean with solvent; prime two coats.

N. Wood Surfaces not Exposed to Public View: Finish with one coat primer; one coat enamel.

O. Adjust equipment for smooth and quiet operation.

3.04 FIELD QUALITY CONTROL

A. See Section 01 40 00 - Quality Requirements, for additional requirements.

B. Testing and inspection by regulatory agencies will be performed at their discretion.
   1. Schedule tests with agencies and notify Owner and Architect.
   2. Obtain permits as required to perform tests.
   3. Document regulatory agency tests and inspections in accordance with requirements.
   4. Perform tests required by regulatory agencies.
   5. Furnish test and approval certificates issued by authorities having jurisdiction.

C. Perform testing and inspection in accordance with requirements.
   1. Inspectors shall be certified in accordance with ASME QEI-1.
   2. Perform tests as required by ASME A17.2.
   3. Provide at least two weeks written notice of date and time of tests and inspections.
   4. Supply instruments and execute specific tests.

D. Operational Tests:
   1. Perform operational tests in the presence of Owner and Architect.
   2. At an agreed time, and the building occupied with normal building traffic, conduct tests to verify performance.
      a. Furnish event recording of each landing call registrations, time initiated, and response time throughout entire working day.

3.05 ADJUSTING

A. Adjust for smooth acceleration and deceleration of car to minimize passenger discomfort.

B. Adjust with automatic floor leveling feature at each floor landing to reach 1/4 inch maximum from flush with sill.

3.06 CLEANING

A. Remove protective coverings from finished surfaces.

B. Clean surfaces and components in accordance with manufacturers written instructions.

3.07 CLOSEOUT ACTIVITIES

A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.

B. Demonstrate proper operation of equipment to Owner's designated representative.

C. Demonstration: Demonstrate operation of system to Owner's personnel.
   1. Use operation and maintenance data as reference during demonstration.
   2. Conduct walking tour of project.
   3. Briefly describe function, operation, cleaning and maintenance of each component.

3.08 PROTECTION

A. Do not permit construction traffic within car after cleaning.

B. Protect installed products until Date of Substantial Completion.

C. Touch-up, repair, or replace damaged products and materials prior to Date of Substantial Completion.

3.09 MAINTENANCE

A. Refer to Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to initial maintenance service.

B. Provide Initial Maintenance Contract of elevator system and components in accordance with ASME A17.1 and requirements as indicated for 3 months from Date of Substantial Completion.

C. Submit proposal for continuation of Maintenance Contract in accordance with ASME A17.1 and requirements as indicated for installed elevator equipment.

D. Perform maintenance contract services using competent and qualified personnel under the supervision and direct employ of the elevator manufacturer or original installer.

E. Maintenance contract services shall not be assigned or transferred to any agent or other entity without prior written consent of Owner.

F. Examine system components periodically.

G. Include systematic examination, adjustment, and lubrication of elevator equipment.

H. Maintain and repair or replace parts, whenever required, using parts produced by original equipment manufacturer.

I. Perform work without removing cars from use during peak traffic periods.

J. Provide emergency call back service during regular working hours throughout period of this maintenance contract.

K. Maintain an adequate stock of parts for replacement or emergency purposes, and have personnel available to ensure the fulfillment of this maintenance contract without unreasonable loss of time.

END OF SECTION

GENERAL NOTES:

1. MARK EXISTING UTILITIES 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
2. ALL REQUIRED HOTLINE LOCATES AND PRIVATE UTILITY LOCATES SHALL BE ORDERED AND PAID FOR BY EACH CONTRACTOR REQUIRING THE LOCATE SERVICE.
3. COORDINATE WITH THE OWNER TO LOCATE ANY ON SITE PRIVATE UTILITIES 5 WORKING DAYS PRIOR TO THE START OF WORK.
4. PRIOR TO THE START OF WORK, INSTALL ALL REQUIRED PROTECTIVE EROSION CONTROL MEASURES.
5. ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE COORDINATED WITH APPLICABLE UTILITY COMPANY.
6. ALL CONTRACTORS PLANNING ON SUBMITTING A BID SHALL VISIT THE SITE AND REVIEW THE EXISTING CONDITIONS PRIOR TO THE BID DATE.
7. SEED, FERTILIZE AND CRIMP MULCH ALL GENERAL LANDSCAPE AREAS THAT ARE DISTURBED DURING CONSTRUCTION IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
8. ALL DIMENSIONS REFERENCED PARALLEL OR PERPENDICULAR TO PROPOSED ENTITIES SHOWN.

SURFACE SITE LEGEND

–PROPOSED 6" CONCRETE W/ 6" CRUSHED BASE OVER GEOTEXTILE FABRIC (BASE BID) — 2 C107, 4 C107, 5 C107

–PROPOSED 4" CONCRETE W/ 1/2" RUBBER SURFACING & 6" CRUSHED BASE OVER GEOTEXTILE FABRIC (BASE BID) — 2 C107, 4 C107, 5 C107, 1 C108

–PROPOSED 4" ASPHALT PAVEMENT W/ 1/2" RUBBER SURFACING & 12" CRUSHED BASE OVER GEOTEXTILE FABRIC (BASE BID) — 1 C107

–2 1/4" SYNTHETIC TURF W/ 1 1/2" FINISH DRAINAGE STONE & 6" BASE DRAINAGE STONE OVER GEOTEXTILE FABRIC (BASE BID)
– (6" TOPSOIL W/SOD/FERTILIZE–ALTERNATE BID) — 5 C108

–PROPOSED 4" CONCRETE W/ 6" CRUSHED BASE OVER GEOTEXTILE FABRIC (BASE BID) — 2 C107, 4 C107, 5 C107

–18" DEPTH LONG JUMP PIT SAND (BASE BID) — 1 C109

KEYNOTES:

1. PARKING LOT STRIPING (TYP) — 10 C107
2. DIRECTIONAL ARROWS — 11 C107
3. ADA PEDESTRIAN RAMP W/ DETECTABLE SHIELD — 8 C107
4. 6" CONCRETE CURB
5. THICKENED EDGE WALK — 3 C107, 4 C107, 5 C107
6. 12" FLOWLINE CURB — 6 C107
7. TAPER TOP OF WALK HEIGHT TO FLUSH WITH GRADE (SEE GRADING PLAN)
8. 72" HIGH CHAINLINK MAZE GATE
8A. 72" HIGH CHAINLINK MAZE GATE W/ LOCKING SWING GATE
9. ADA SIGN. MOUNT WHERE APPLICABLE ON FENCE IN LIEU OF ON POST — 9 C107
10. 36" HIGH CONCRETE STAIRS/ HAND RAILING (SEE STRUCTURAL PLANS FOR STAIR CONSTRUCTION) — 7 C108
11. 48" HIGH CONCRETE STAIRS/ HAND RAILING (SEE STRUCTURAL PLANS FOR STAIR CONSTRUCTION) — 7 C108
12. GRAVITY RETAINING WALL (DOUBLE FACE IN AREAS ABOVE GRADE) (BURY DEPTH PER MANUFACTURER'S SPECIFICATIONS)
13. 48" HIGH VINYL COATED PERIMETER CHAINLINK FENCE — 14 C107
14. 48" HIGH VINYL COATED RETAINING WALL CHAINLINK FENCE CORE MIN 12" INTO TOP OF GRAVITY WALL, GROUT HOLE & STEP FENCE IN WALL (SEE GRADING PLAN FOR WALL ELEVATIONS)
15. 48"W X 48" HIGH VINYL COATED SINGLE SWING GATE — 14 C107
16. 144"W X 48" HIGH VINYL COATED DOUBLE SWING GATE — 14 C107
17. 144"W X 72" HIGH VINYL COATED DOUBLE SWING GATE — 14 C107
18. 72" HIGH VINYL COATED PERIMETER CHAINLINK FENCE — 14 C107
19. 72"W X 72" HIGH VINYL COATED SINGLE SWING GATE — 14 C107
20. 72" HIGH STANDARD ALUMUNIZED PERIMETER CHAINLINK FENCE — 14 C107
21. 144"W X 72" HIGH ORNAMENTAL DOUBLE SWING GATE W/ CONE STOPS
22. 72" HIGH ORNAMENTAL PERIMETER FENCE — 14 C107
23. 24' WIDE "A" FRAME GATE — 13 C107
24. FLAG POLE DEDICATION (SEE ARCHITECTURAL PLANS)
25. 12" W X 12"D CONCRETE CURB W/ TREATED 2"X 4" WOOD NAILER — 7 C107
26. 12" W X 12"D CONCRETE CURB W/ TREATED 2"X 4" WOOD NAILER (BASE BID) INSTALL SLOT DRAIN IN CURB (ALTERNATE) — 7 C107
27. FOOTBALL GOAL POSTS W/ SOCCER GOAL — 6 C108
28. PRE–FABRICATED LONG JUMP BOXES. INSTALL ON GRAVEL BASE, SEE MANUFACTURER'S SPECIFICATIONS FOR SPECIFIC INSTRUCTIONS
29. LONG JUMP LAYOUT. INSTALL THICKENED EDGE CONCRETE W/ TREATED 2"X4" WOOD NAILER ALONG RUNWAYS — 1 C109
30. TURF STRIPING (TYP) BY SYNTHETIC TURF INSTALLER
31. TRACK STRIPING (TYP) BY RUBBER SURFACE INSTALLER
32. 12" HIGH CONCRETE STAIRS/ HAND RAILING (SEE STRUCTURAL PLANS FOR STAIR CONSTRUCTION) — 2 C109
33. DECORATIVE COLUMNS (SEE ARCHITECTURAL PLANS)
34. CONCRETE TENT TIE DOWNS (SEE CONCRETE SPECIFICATIONS) VERIFY LOCATION W/ OWNER PRIOR TO INSTALLATION
35. CONCRETE TERRACE SEATING W/ SIDE ACCESS STAIRS (SEE STRUCTURAL PLANS)
36. BUILDING STRUCTURES (SEE ARCHITECTURAL PLANS)

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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Project Title: **GLENWOOD COMMUNITY SCHOOL DISTRICT ATHLETIC COMPLEX IMPROVEMENTS-BID PACK#2**

Project Location: 400 SIVERS RD, GLENWOOD, IA 51534

Sheet Title: **SITE LAYOUT PLAN (ATHLETIC SITE)-BID PACKAGE #2**

HSR Project Number: 18004

Project Date: NOVEMBER 2018

Drawn By: DLP

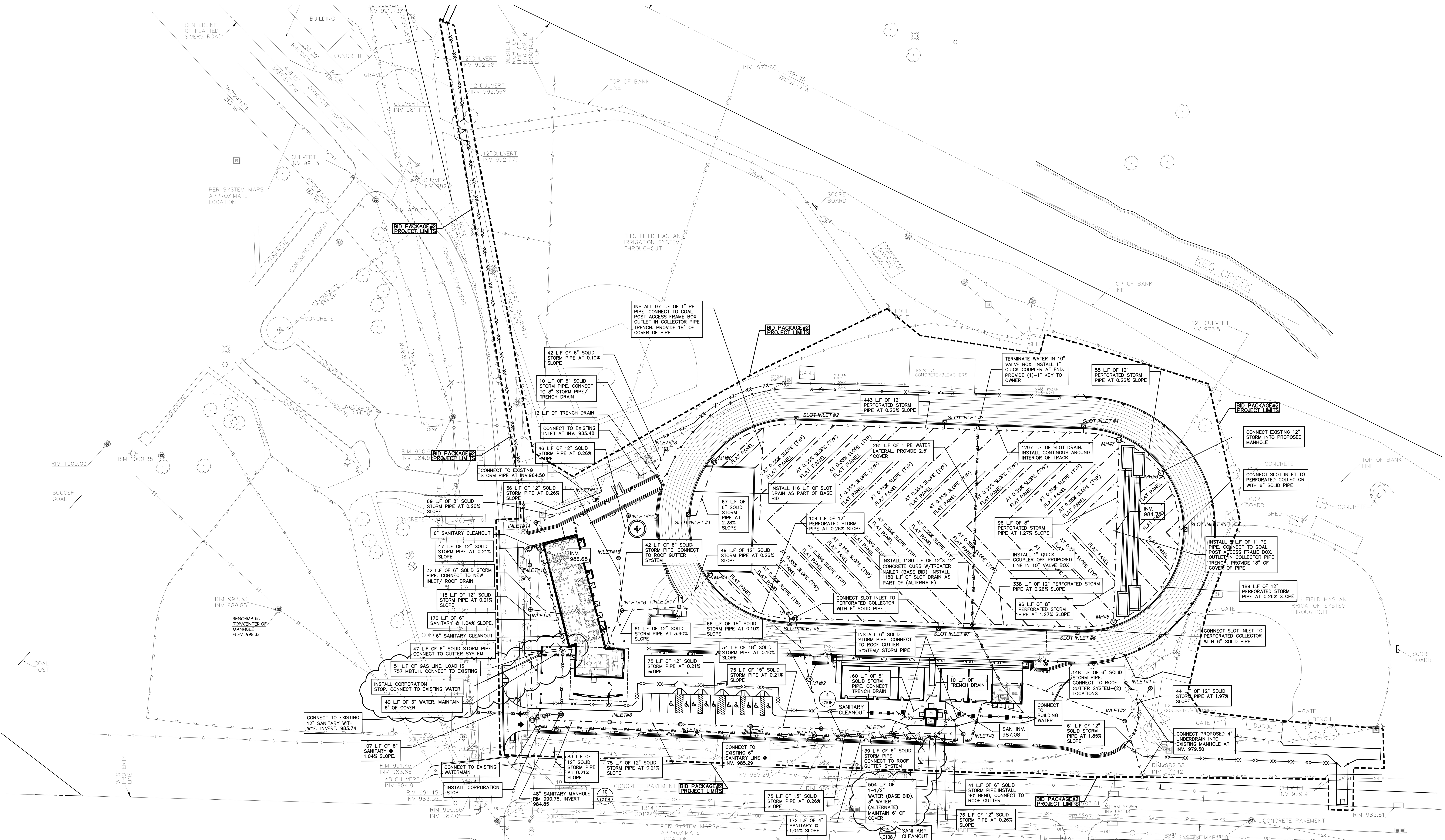
Key Plan:

Revisions:		
No.	Description	Date
1	Addendum #3	11-19-18

Graphic Scale: 0' 40' 80'

Last Update: -

C102R



STORM STRUCTURE SCHEDULE:

MH#1
RIM 990.28
INV (E) 983.74
INV (S) 983.74
DEPTH 6.54
48" I.D. PRECAST MANHOLE
NEENAH R-1733-1 SOLID LID

MH#2
RIM 992.10
INV (E) 983.04
INV (W) 983.04
INV (SE) 983.04
DEPTH 9.07
48" I.D. PRECAST MANHOLE
NEENAH R-1733-1 SOLID LID

MH#3
RIM 987.48
INV (N) 982.97
INV (S) 982.97
INV (W) 982.97
DEPTH 4.51
30" MODULAR INLET
W/ LOCKABLE H-20 SOLID GRATE
MIN 6" SUMP

MH#4
RIM 987.48
INV (NW) 983.64
INV (SW) 983.24
DEPTH 4.24
30" MODULAR INLET
W/ LOCKABLE H-20 SOLID GRATE
MIN 6" SUMP

MH#5
RIM 987.48
INV (N) 982.09
INV (S) 982.09
INV (E) 983.48
DEPTH 5.39
30" MODULAR INLET
W/ LOCKABLE H-20 SOLID GRATE
MIN 6" SUMP

MH#6
RIM 987.48
INV (NE) 981.60
INV (SW) 981.60
INV (SE) 981.60
DEPTH 5.88
30" MODULAR INLET
W/ LOCKABLE H-20 SOLID GRATE
MIN 6" SUMP

MH#7
RIM 987.48
INV (N) 981.74
INV (S) 981.74
INV (W) 983.48
DEPTH 5.74
30" MODULAR INLET
W/ LOCKABLE H-20 SOLID GRATE
MIN 6" SUMP

MH#8
RIM 987.48
INV (SE) 982.89
INV (W) 984.48
DEPTH 4.73
30" MODULAR INLET
W/ LOCKABLE H-20 SOLID GRATE
MIN 6" SUMP

INLET #1
RIM 985.00
INV (NW) 981.50
DEPTH 3.50
15" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #2
RIM 986.25
INV (SW) 980.63
INV (SE) 980.63
INV (SE) 982.25
DEPTH 5.62
36" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #3
RIM 990.90
INV (N) 986.70
INV (W) 987.90
INV (NE) 987.90
DEPTH 4.20
48" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #4
RIM 990.90
INV (N) 986.50
INV (S) 986.50
INV (E) 987.90
INV (SE) 987.90
DEPTH 4.40
48" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #5
RIM 990.50
INV (N) 983.09
INV (E) 983.09
INV (S) 986.30
DEPTH 7.41
48" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #6
RIM 990.50
INV (N) 983.25
INV (S) 983.25
INV (W) 986.50
DEPTH 7.25
36" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #7
RIM 990.50
INV (N) 983.41
INV (S) 983.41
DEPTH 7.09
36" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #8
RIM 990.50
INV (N) 983.57
INV (S) 983.57
DEPTH 6.93
36" I.D. PRECAST MANHOLE
NEENAH R-2573 GRATE

INLET #9
RIM 988.25
INV (E) 984.00
INV (W) 984.00
INV (S) 984.00
DEPTH 4.25
15" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #10
RIM 987.10
INV (E) 984.10
INV (W) 984.10
DEPTH 3.00
15" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #11
RIM 987.25
INV (S) 984.68
INV (W) 984.68
DEPTH 2.57
12" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #12
RIM 987.00
INV (N) 984.50
INV (SE) 984.50
DEPTH 2.50
12" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #13
RIM 987.15
INV (NW) 985.52
DEPTH 1.63
12" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #14
RIM 991.90
INV (E) 986.90
INV (W) 986.90
DEPTH 5.00
18" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #15
RIM 991.70
INV (E) 986.78
INV (W) 986.78
DEPTH 4.92
18" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #16
RIM 991.80
INV (E) 986.63
INV (W) 986.63
INV (S) 986.63
DEPTH 5.17
18" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

INLET #17
RIM 987.85
INV (E) 985.00
INV (W) 985.00
INV (N) 984.25
INV (SE) 983.76
DEPTH 3.75
18" MODULAR INLET
W/ LOCKABLE H-20 STANDARD
OPEN GRATE, MIN 6" SUMP

SLOT INLET #1
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #2(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #3(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #4(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #5(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #6(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #7(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

SLOT INLET #8(ALTERNATE)
RIM 987.65
INV 986.01
DEPTH 1.64
POLYMER CONCRETE BASIN
W/ TRASH BUCKET

UTILITY LEGEND:

PROPOSED STORM MANHOLE	ST	8/C108, 9/C108
PROPOSED STORM INLET		
PROPOSED FLAT PANEL UNDERDRAIN IN SYNTHETIC FIELD		
PROPOSED STORM PIPE		
PROPOSED SLOT DRAIN (SEE PLAN FOR LOCATION)		12/C107, 1/C108
PROPOSED TRENCH DRAIN (SEE PLAN FOR LOCATION)		2/C108, 3/C108
PROPOSED SLOT INLET (SEE PLAN FOR LOCATION)	⊠	1/C108
PROPOSED WATER MAIN	— WM — WM — WM —	
PROPOSED SANITARY SEWER	— SS — SS — SS —	
PROPOSED RETAINING WALL 4" PERFORATED STORM W/ SOCK (INSTALLED PER MANUFACTURER'S SPECIFICATIONS)	—4ST—4ST—4ST—	
PROPOSED WATER CORPORATION	⊕	

GENERAL NOTES:

1. GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
2. COORDINATE ALL UTILITY WORK WITH GAS, ELECTRICAL, (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE) CABLE AND TELEPHONE CONSTRUCTION AND RESPECTIVE TRADES RESPONSIBLE FOR INSTALLATION OF SAID UTILITIES.
3. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
4. THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 6'-0" TO THE TOP OF PIPE FROM THE PROPOSED FINISHED GRADES, UNLESS OTHERWISE STATED ON PLANS, SEE GRADING PLAN FOR PROPOSED GRADES.
5. THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL HAVE HIS TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING. THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES IF NEEDED.
6. FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITY CONNECTIONS PRIOR TO INSTALLATION.
7. ALL REQUIRED PUBLIC LOCATES AND PRIVATE UTILITY LOCATES SHALL BE ORDERED AND PAID FOR BY EACH CONTRACTOR REQUIRING THE LOCATE SERVICE.

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Point of Beginning

Project Title: GLENWOOD COMMUNITY SCHOOL DISTRICT ATHLETIC COMPLEX IMPROVEMENTS-BID PACK#2

Project Location: 400 SIVERS RD. GLENWOOD, IA 51534

Sheet Title: SITE UTILITY PLAN (ATHLETIC SITE)-BID PACKAGE #2

HSR Project Number: 18004

Project Date: NOVEMBER 2018

Drawn By: DLP

Key Plan:

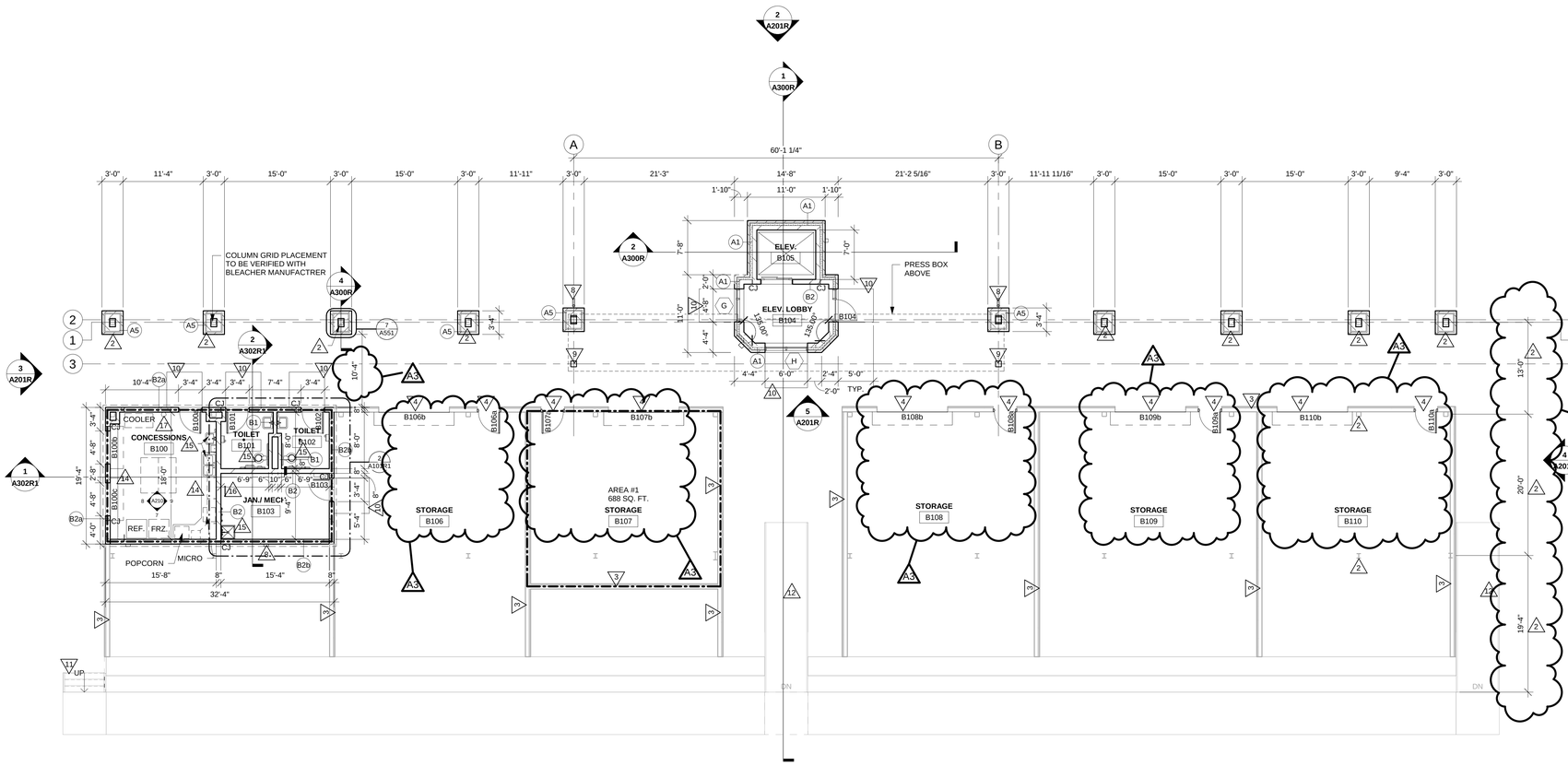
Revisions:

No.	Description	Date
1	Addendum #3	11-19-18

Graphic Scale: 0' 40' 80'

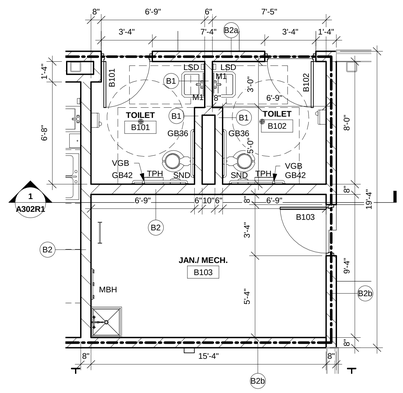
Last Update: .

C105R



1 FIRST FLOOR STADIUM

1/8" = 1'-0"



2 ENLARGED RESTROOM PLAN

1/4" = 1'-0"

ACCESSORY SCHEDULE

ABBREVIATION	ITEM	STD. MOUNTING HEIGHT	OWNER FURNISHED CONTRACTOR INSTALLED	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	OWNER FURNISHED OWNER INSTALLED	CONTRACTOR FURNISHED OWNER INSTALLED
BCS	BABY CHANGING STATION	CHANGING SURFACE @ 2'-9 1/2" A.F.F.		X		X
CH	COAT HOOK (DOUBLE)	BOT. @ 4'-6" A.F.F.		X		X
FL	12"W x 15"D x 72"H FULL HEIGHT LOCKERS W/ SLOPED TOPS ON A 4" CONCRETE BASE W/ WOOD SLEEPERS	LOCKERS - OFOI CONCRETE BASE IN CONTRACT	X		X	
GB	GRAB BAR (SEE PLAN FOR LOCATION AND SIZE)	TOP @ 2'-10" A.F.F.		X		X
HL	18"W x 18"D x 36"H DBL HIGH LOCKERS W/ SLOPED TOPS ON A 4" CONCRETE BASE W/ WOOD SLEEPERS	LOCKERS - OFOI CONCRETE BASE IN CONTRACT	X		X	
LSD	LIQUID SOAP DISP. (OFCI)	BOT. @ 3'-6" A.F.F.	X			X
M1	MIRROR 18"W x 36"H W/ METAL EDGES & SHELF	BOT. @ 3'-4" A.F.F.		X		X
M2	MIRROR 18"W x 60"H W/ METAL EDGES	TOP @ 6'-0" A.F.F.		X		X
MBH	MOP AND BROOM HOLDER	TOP @ 5'-0" A.F.F.		X		X
PTD	PAPER TOWEL DISPENSER (OFCI)	BOT. @ 3'-6" A.F.F.	X			X
PTP	PLASTIC TOILET PARTITION	FLOOR MOUNTED, OVERHEAD BRACED		X		X
SC	SHOWER CURTAIN & ROD	TOP @ 6'-4" A.F.F.		X		X
SND	SANITARY NAPKIN DISPOSAL	TOP @ 2'-6" A.F.F.		X		X
TPH	TOILET PAPER HOLDER	CENTER @ 2'-0" A.F.F.	X			X
TH	TOWEL HOOK	TOP @ 4'-6" A.F.F.		X		X
UP	URINAL PARTITION - WALL MOUNTED			X		X
VGB	VERTICAL GRAB BAR - C.L. 40" FROM BACK WALL	BOT. @ 3'-4" A.F.F.		X		X

ACCESSORY SCHEDULE GENERAL NOTES:

1. ALL ACCESSORIES TO BE - **PROVIDED AND INSTALLED BY CONTRACTOR,** UNLESS NOTED OTHERWISE
2. CONFIRM EXACT LOCATION OF EACH ACCESSORY WITH OWNER PRIOR TO INSTALLATION.
3. SURFACE MOUNTED ACCESSORIES SHALL BE INSTALLED OVER WALL TILE.
4. OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED
5. PROVIDE INSULATION WRAP AT EXPOSED PIPING AT SINKS WHERE NO OTHER PROTECTION IS PROVIDED
6. SEE INTERIOR/ CASEWORK ELEVATIONS - FOR ADDITIONAL ACCESSORIES

GENERAL NOTES:

A	SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
B	LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
C	VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
D	PAINT ALL EXPOSED STEEL LINTELS.
E	INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
F	SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
G	SEE A550 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS
H	REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
J	EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A500** FOR TOP OF WALL DETAIL.
K	UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
L	PLANS SHOWN ON A103 ARE FOR SOFTBALL - ALTERNATE INCLUDES ANOTHER SET FOR BASEBALL - SEE OVERALL SITE PLAN ON A004 AND CIVIL SHEETS
M	SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
N	GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECH/ELECTRICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECH/ELECTRICAL.
P	SEE A550 FOR WALL BRICK EXPANSION JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR BEJ LOCATIONS. BEJ = BRICK EXPANSION JOINTS

LEGEND:

- (A) SYMBOL INDICATES WALL TYPE - SEE SHEET A601 FOR WALL TYPE DETAILS.
- (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A600 FOR WINDOW FRAME ELEVATIONS.
- SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- 1 HOUR WALL

KEY NOTES PLAN - A101 & A102

1	DEPRESSED SLAB IN COOLER/FREEZER AREA.
2	VERIFY FINAL COLUMN LAYOUT AND SPACING WITH BLEACHER MANUFACTURER
3	VERIFY FINAL DOOR PANEL LAYOUT W/ BLEACHER MANUFACTURER. COORDINATE OPENING W/ ARCH.
4	OVERHEAD COILING DOORS AND MAN DOORS TO BE INSTALLED IN BLEACHER WALL SYSTEM
5	C.M.U. TO BE PROVIDED BY OWNER
6	GUARD RAILS AND DECKING TO BE PROVIDED BY BLEACHER MANUFACTURER.
7	TUBE STEEL COLUMNS FOR METAL TRELLIS - SEE STRUCTURAL. COORDINATE CONNECTION AND FINAL LOCATION W/ BLEACHER MANUFACTURERS SEATING LAYOUT
8	PRE-FINISHED SEAMLESS OPEN FACED DOWNSPOUTS - TERMINATE INTO STORM - SEE CIVIL
9	EXPOSED STEEL COLUMNS - PRIMED AND PAINTED
10	CONC. STOOP - SEE STRUCTURAL
11	STAIRS TO BE PROVIDED BY BLEACHER MANUFACTURER.
12	RAMPS TO BE PROVIDED BY BLEACHER MANUFACTURER.
13	GRANDSTAND BLEACHER SYSTEM - FINAL SEATING LAYOUT BY BLEACHER MANUFACTURER
14	PLAM CASEWORK W/ STAINLESS STEEL COUNTERTOP - SEE ELEV. A210
15	PLUMBING FIXTURES - SEE PLBG
16	ROOF ACCESS LADDER AND HATCH
17	FIRE EXTINGUISHER - BRACKET MOUNTED

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Project Title:
GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location:
400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title:
FIRST FLOOR STADIUM PLAN

HSR Project Number:
18005

Project Date:
NOVEMBER 2018

Drawn By:
MKM

Key Plan:

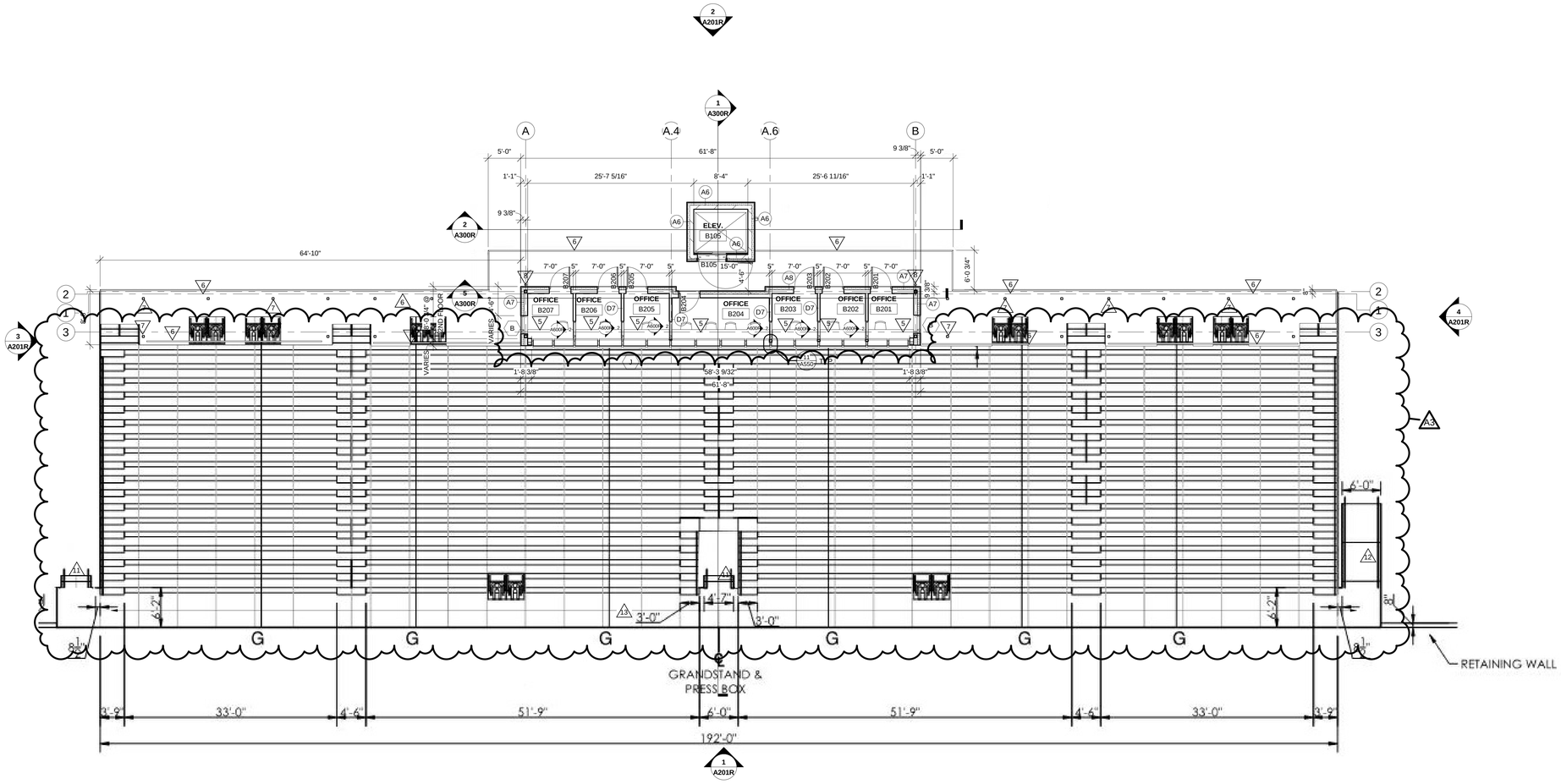
Revisions:

No.	Description	Date
A2	ADDENDUM #2	11/14/18
A3	ADDENDUM #3	11/20/18

Graphic Scale:
VARIES

Last Update:
11/20/2018 1:36:32 PM

A101R1



1 SECOND FLOOR PRESS BOX

1/8" = 1'-0"

GENERAL NOTES:

A	SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
B	LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
C	VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC. OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.
D	PAINT ALL EXPOSED STEEL LINTELS.
E	INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAILED. NO BULLNOSE AT WINDOW JAMBS.
F	SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
G	SEE A550 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR CJ LOCATIONS. CJ = CONTROL JOINTS
H	REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
J	EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE. SEE **A500** FOR TOP OF WALL DETAIL.
K	UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
L	PLANS SHOWN ON A103 ARE FOR SOFTBALL - ALTERNATE INCLUDES ANOTHER SET FOR BASEBALL - SEE OVERALL SITE PLAN ON A004 AND CIVIL SHEETS
M	SEE A500 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
N	GEN. CONTRACTOR TO PROVIDE CONC. EQUIP. PADS/CURBS AS REQUIRED FOR MECH/ELECTRICAL EQUIP. - VERIFY SIZE/PROFILE/LOCATION WITH MECH/ELECTRICAL.
P	SEE A550 FOR WALL BRICK EXPANSION JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR BEJ LOCATIONS. BEJ = BRICK EXPANSION JOINTS

LEGEND:

- (A) — SYMBOL INDICATES WALL TYPE - SEE SHEET A601 FOR WALL TYPE DETAILS.
- (A) SYMBOL INDICATES WINDOW TYPE. SEE SHEET A600 FOR WINDOW FRAME ELEVATIONS.
- △ SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
- 1 HOUR WALL

KEY NOTES PLAN - A101 & A102

1	DEPRESSED SLAB IN COOLER/FREEZER AREA.
2	VERIFY FINAL COLUMN LAYOUT AND SPACING WITH BLEACHER MANUFACTURER
3	METAL ENCLOSURE PANELS BY BLEACHER MANUFACTURER - COORDINATE OPENINGS W/ ARCH.
4	OVERHEAD COILING DOORS AND MAN DOORS TO BE INSTALLED IN BLEACHER WALL SYSTEM.
5	18" D TABLE - PROVIDED BY OWNER
6	GUARD RAILS AND DECKING TO BE PROVIDED BY BLEACHER MANUFACTURER.
7	TUBE STEEL COLUMNS FOR METAL TRELLIS - SEE STRUCTURAL. COORDINATE CONNECTION AND FINAL LOCATION W/ BLEACHER MANUFACTURERS SEATING LAYOUT
8	PRE-FINISHED SEAMLESS OPEN FACED DOWNSPOUTS - TERMINATE INTO STORM - SEE CIVIL
9	EXPOSED STEEL COLUMNS - PRIMED AND PAINTED
10	CONC. STOOP - SEE STRUCTURAL
11	STAIRS TO BE PROVIDED BY BLEACHER MANUFACTURER.
12	RAMPS TO BE PROVIDED BY BLEACHER MANUFACTURER.
13	GRANDSTAND BLEACHER SYSTEM - FINAL SEATING LAYOUT BY BLEACHER MANUFACTURER
14	PLAM CASEWORK W/ STAINLESS STEEL COUNTERTOP - SEE ELEV. A210
15	PLUMBING FIXTURES - SEE PLBG
16	ROOF ACCESS LADDER AND HATCH
17	FIRE EXTINGUISHER - BRACKET MOUNTED

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Consultant:

Project Title: **GLENWOOD COMMUNITY SCHOOL DISTRICT**
ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location: **400 SIVERS RD.**
GLENWOOD, IA 51534

Sheet Title: **PRESS BOX PLANS**

HSR Project Number: **18005**

Project Date: **NOVEMBER 2018**

Drawn By: **MKM**

Key Plan:

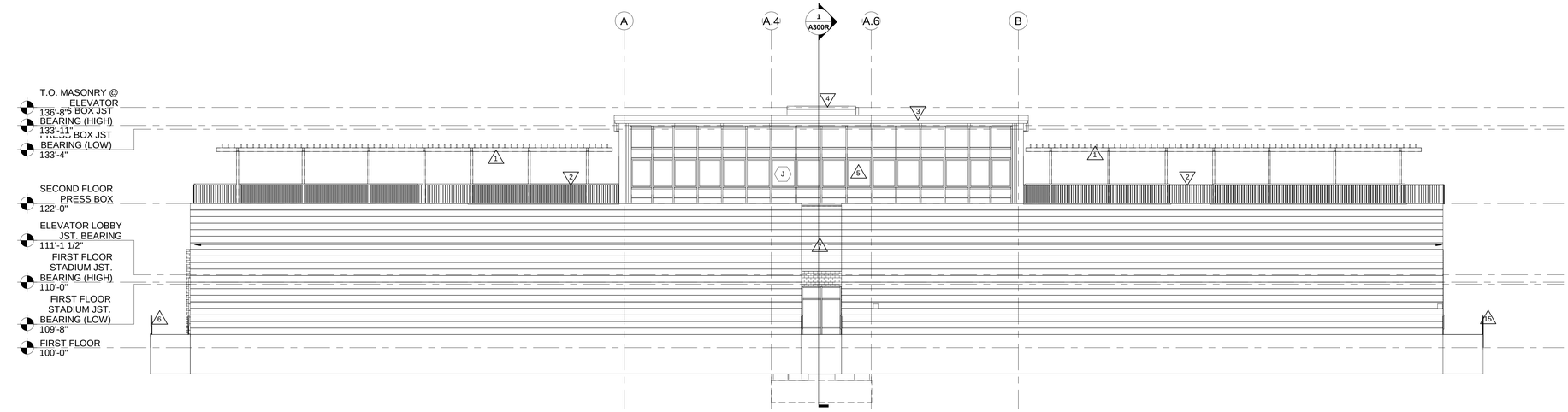
Revisions:

No.	Description	Date
A3	ADDENDUM #3	11/20/18

Graphic Scale: **VARIES**

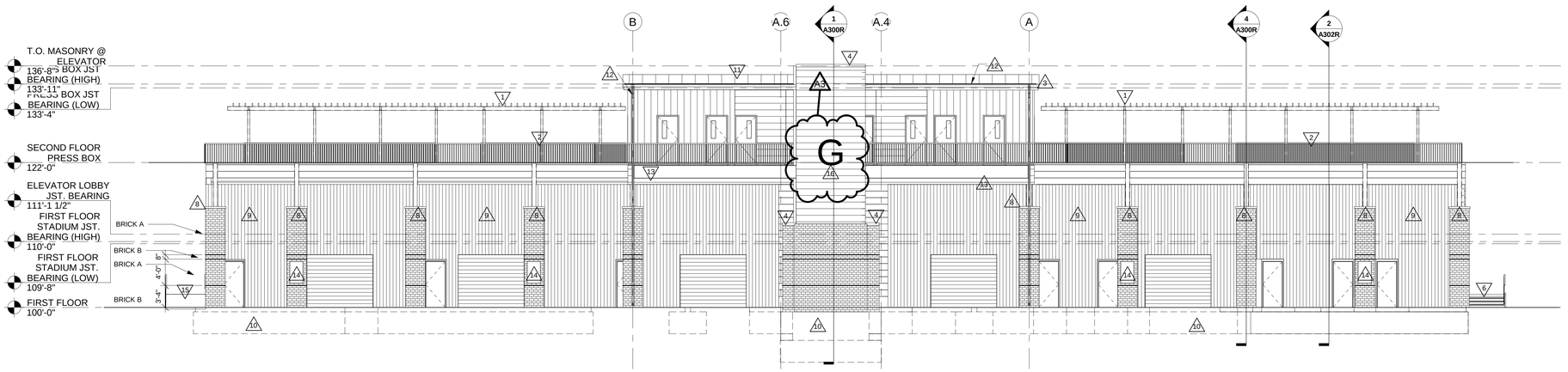
Last Update: **11/19/2018 1:16:02 PM**

A102R



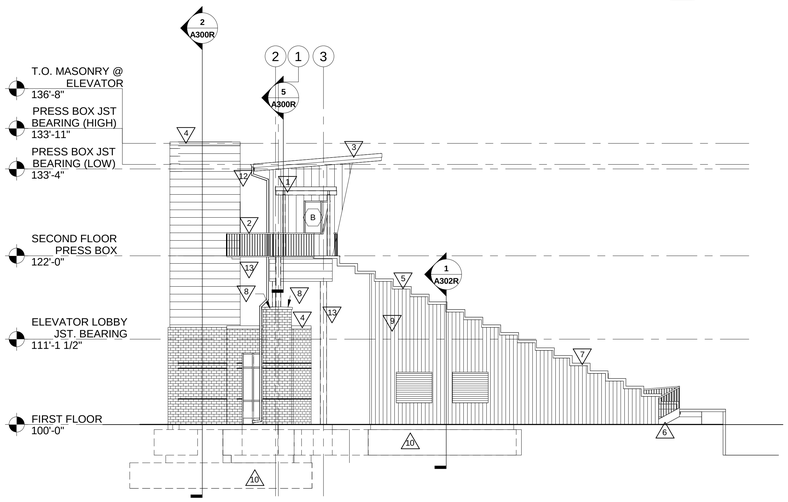
1 PRESS BOX EAST ELEVATION

1/8" = 1'-0"



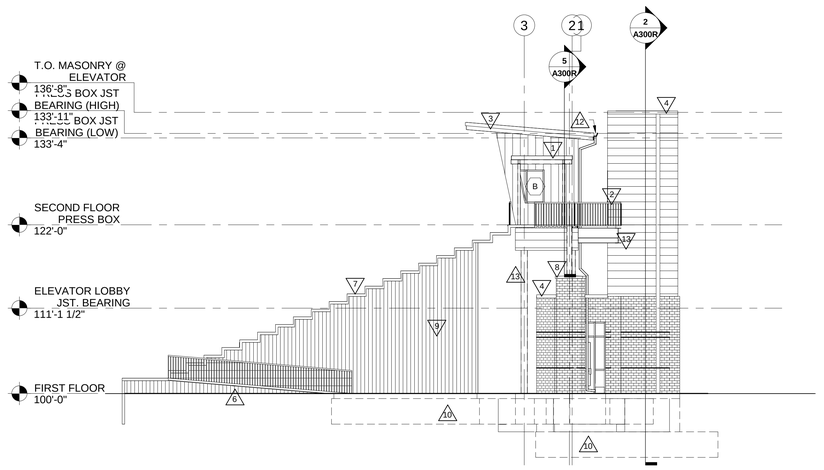
2 PRESS BOX WEST ELEVATION

1/8" = 1'-0"



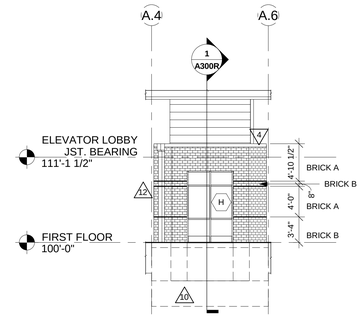
3 PRESS BOX SOUTH ELEVATION

1/8" = 1'-0"



4 PRESS BOX NORTH ELEVATION

1/8" = 1'-0"



5 ELEVATOR EAST ELEVATION

1/8" = 1'-0"

GENERAL NOTES:

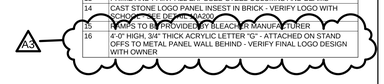
A	SEE DETAILS A510 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.
B	BRICK COURSING: RUNNING BOND TYPICAL.
C	SEE SPECIFICATION FOR MATERIAL TYPE.

LEGEND:

1	KEYNOTE TAG
J	WINDOW TAG, SEE SHEET A600 FOR FRAME ELEVATIONS
CJ	THROUGH WALL CONTROL JOINT - SEE DETAILS A550
BEJ	BRICK VENEER EXPANSION JOINT - SEE DETAILS A550
	BRICK - COLOR A & B - SEE SPECIFICATIONS
	MANUFACTURED STONE
	METAL PANEL - VERTICAL
	METAL PANEL - HORIZONTAL

KEYNOTES ELEVATION-STADIUM

1	METAL TRELLIS - GALVANIZED STEEL TUBES - SEE STRUCTURAL - COORDINATE ANCHORING W/ BLEACHER MANUFACTURER
2	GUARD RAILING TO BE PROVIDED BY BLEACHER MANUFACTURER
3	PRE-FINISHED METAL FASCIA AND SOFFIT
4	PRE-FINISHED METAL WALL CAP
5	CURTAIN WALL SYSTEM - SEE FRAME ELEVATION "M" ON A600
6	STAIRS TO BE PROVIDED BY BLEACHER MANUFACTURER
7	BLEACHER SEATING TO BE PROVIDED BY BLEACHER MAUFACTURER
8	CAST STONE WALL CAP
9	METAL PANEL ENCLOSURE BY BLEACHER MANUFACTURER
10	CONC. FOUNDATIONS - SEE STRUCTURAL
11	MEMBRANE ROOFING SYSTEM - SEE A120
12	PRE-FINISHED SEAMLESS GUTTER & OPEN FACED DOWNSPOUT - TIE INTO STORM SEWER - SEE CIVIL
13	PRIME AND PAINT ALL EXPOSED STEEL COLUMNS AND BEAMS
14	CAST STONE LOGO PANEL INSET IN BRICK - VERIFY LOGO WITH OWNER - SEE DETAIL A4XX
15	RAMPS TO BE PROVIDED BY BLEACHER MANUFACTURER
16	4'-0" HIGH, 3/4" THICK ACRYLIC LETTER "G" - ATTACHED ON STAND OFFS TO METAL PANEL WALL BEHIND - VERIFY FINAL LOGO DESIGN WITH OWNER



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Consultant:

Project Title: GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location: 400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title: PRESS BOX ELEVATIONS

HSR Project Number: 18005

Project Date: NOVEMBER 2018

Drawn By: MKM,JTD

Key Plan:

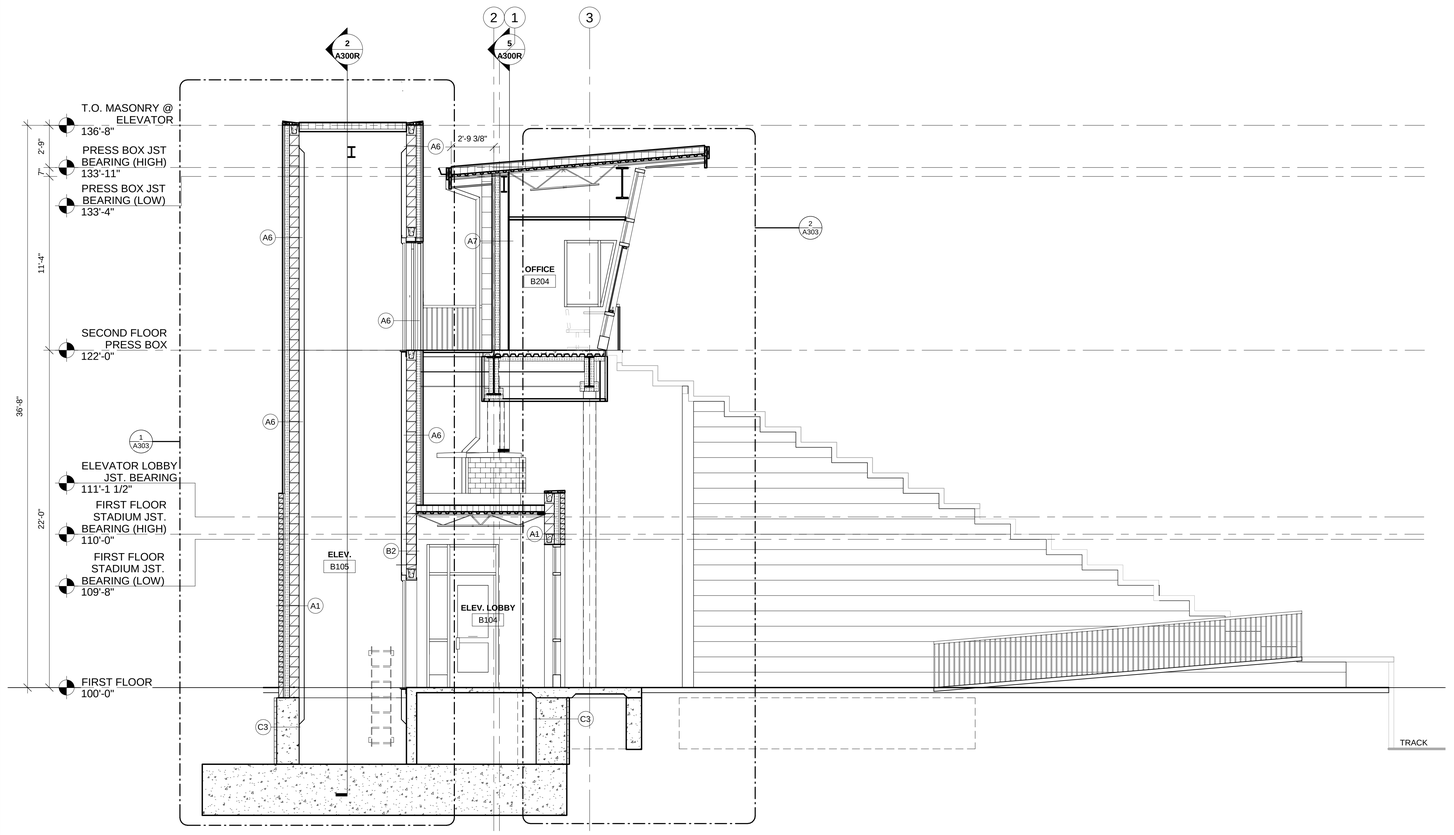
Revisions:

No.	Description	Date
A3	ADDENDUM #3	11/20/18

Graphic Scale: VARIES

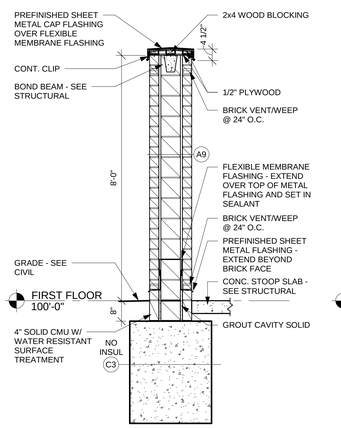
Last Update: 11/19/2018 1:01:38 PM

A201R



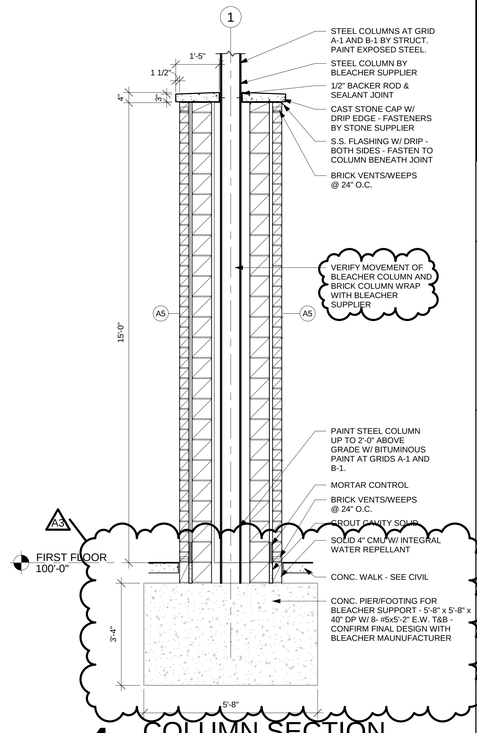
1 PRESS BOX SECTION

1/4" = 1'-0"



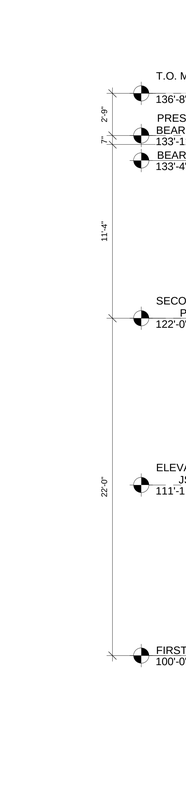
3 WALL SECTION

1/2" = 1'-0"



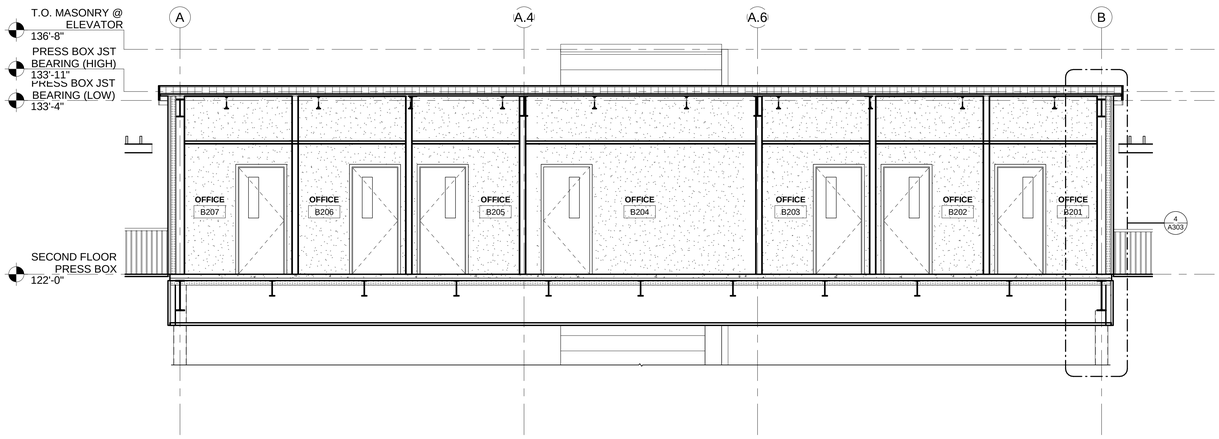
4 COLUMN SECTION

1/2" = 1'-0"



2 ELEVATOR SECTION

1/4" = 1'-0"



5 PRESS BOX SECTION

1/4" = 1'-0"

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Project Title:
GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location:
400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title:
PRESS BOX BUILDING SECTIONS

HSR Project Number:
18005

Project Date:
NOVEMBER 2018

Drawn By:
MKM/JTD

Key Plan:

Revisions:

No.	Description	Date
A3	ADDENDUM #3	11/20/18

Graphic Scale:
VARIES

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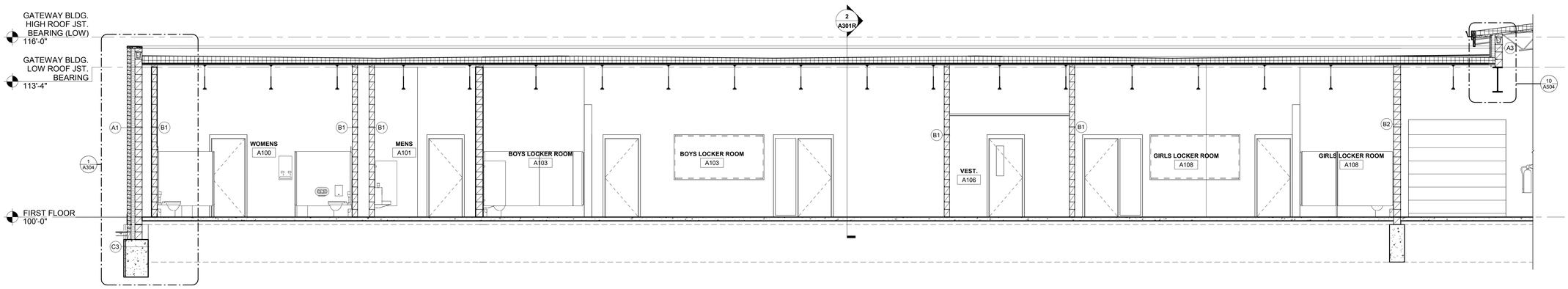
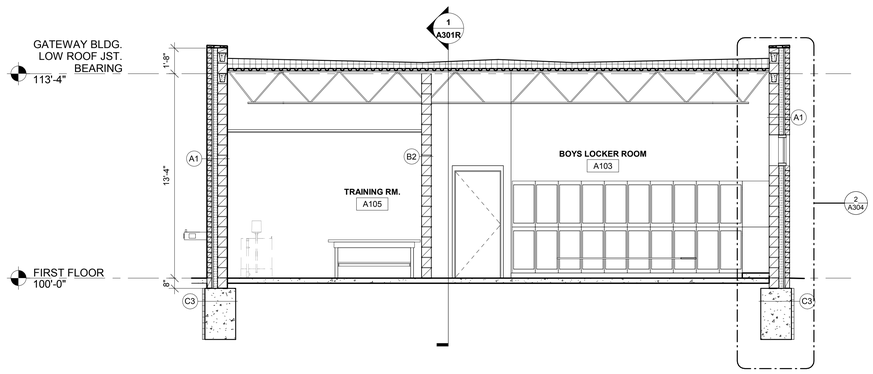
11/19/2018 1:02:07 PM

A300R



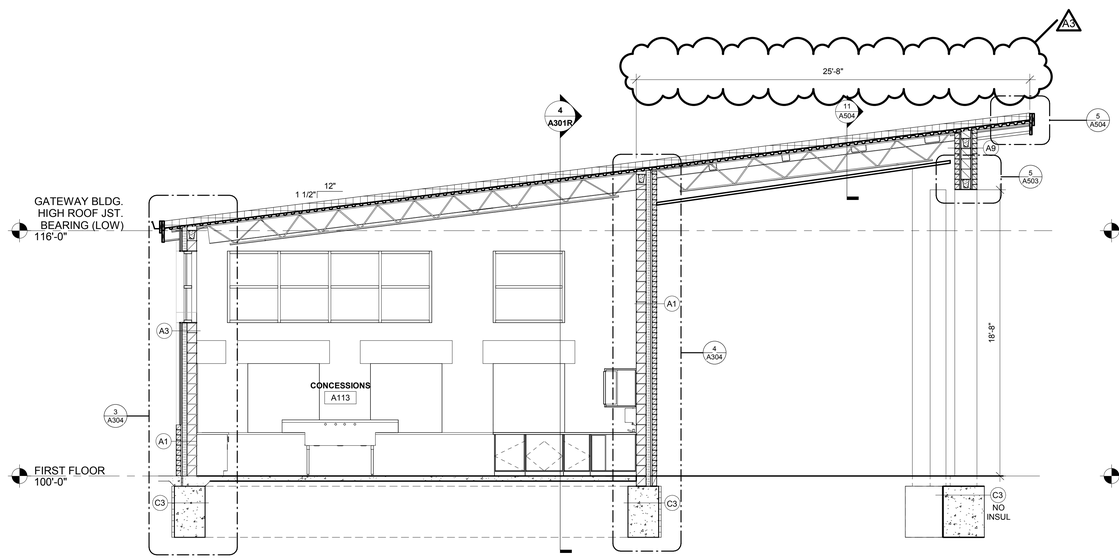
1 BUILDING SECTION

1/4" = 1'-0"



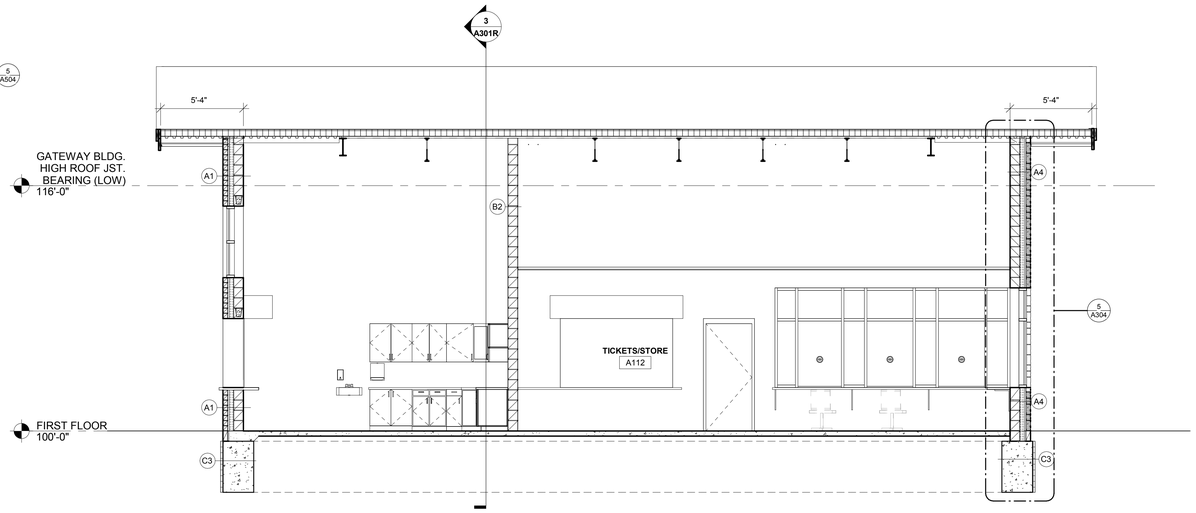
2 BUILDING SECTION

1/4" = 1'-0"



3 BUILDING SECTION

1/4" = 1'-0"



4 BUILDING SECTION

1/4" = 1'-0"

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Consultant:

Project Title: GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location: 400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title: GATEWAY BUILDING SECTIONS

HSR Project Number: 18005

Project Date: NOVEMBER 2018

Drawn By: MKM, JTD

Key Plan:

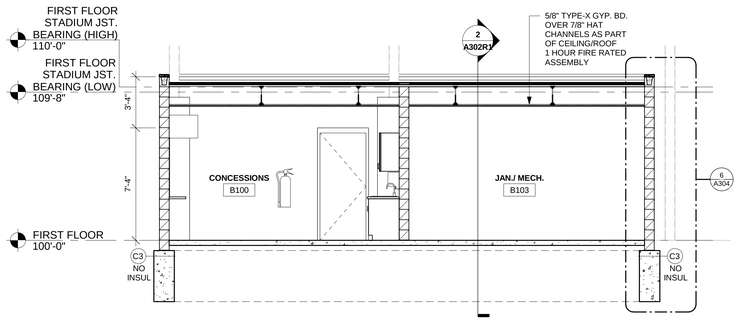
Revisions:

No.	Description	Date
A3	ADDENDUM #3	11/20/18

Graphic Scale: VARIES

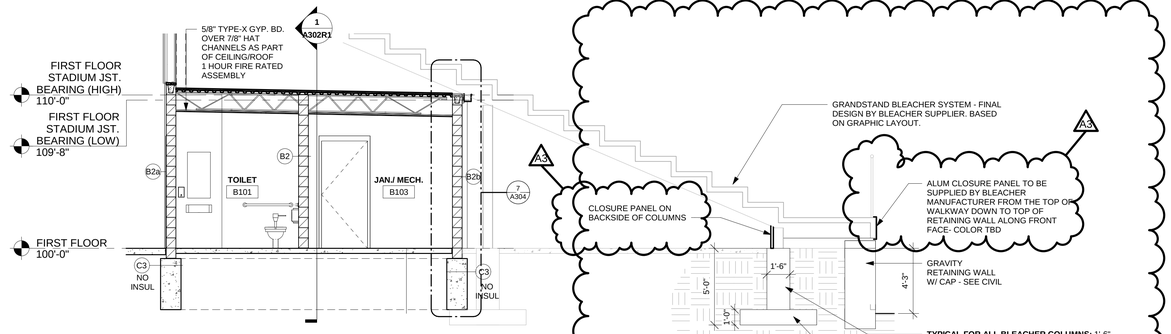
Last Update: 11/19/2018 9:59:16 AM

A301R



1 BUILDING SECTION

1/4" = 1'-0"



2 BUILDING SECTION

1/4" = 1'-0"

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR ASSOCIATES INC.
100 MILWAUKEE STREET
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Project Title:
GLENWOOD COMMUNITY SCHOOL DISTRICT
ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location:
400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title:
FIRST FLOOR STADIUM BUILDING SECTIONS

HSR Project Number:
18005

Project Date:
NOVEMBER 2018

Drawn By:
JTD

Key Plan:

Revisions:

No.	Description	Date
A2	ADDENDUM #2	11/14/18
A3	ADDENDUM #3	11/20/18

Graphic Scale:
VARIES

Last Update:
11/20/2018 1:36:42 PM

A302R1

DOOR SCHEDULE

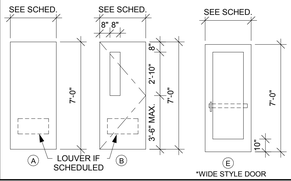
DOOR NO.	SIZE W	SIZE H	SIZE T	DOOR MAT'L	DOOR TYPE	GLASS TYPE	U-CUT OR LOUVER	FRAME MAT'L	FRAME ELEV	FRAME DEPTH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	FIRE LABEL	HDWR GROUP	SIGNAGE	REMARKS
A100	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500	9A550	15A500	-	-	SEE FRAME ELEV AA	4
A101	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500	9A550	15A500	-	-	SEE FRAME ELEV AA	4
A102	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	5 3/4"	13A500	7A550	----	-	-		-
A103	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500	9A550	15A500	-	-	SEE FRAME ELEV AA	4
A104a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	HH	5 3/4"	13A500	7A550	4A502	-	-	-	-
A104b	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	HH	6 3/4"	16A500	9A550	4A502/15A500	-	-	-	-
A105a	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-4	-	HM	BB	5 3/4"	13A500	7A550	----	-	-	-	-
A105b	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500	9A550	15A500	-	-	-	-
A106a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	6 3/4"	14A500	8A550	----	-	-	-	-
A106b	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	6 3/4"	14A500	8A550	----	-	-	-	-
A107a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	HH	5 3/4"	13A500	7A550	4A502	-	-	-	-
A107b	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	HH	6 3/4"	16A500	9A550	4A502/15A500	-	-	-	-
A108	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500	9A550	15A500	-	-	SEE FRAME ELEV AA	4
A109	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500	9A550	15A500	-	-	SEE FRAME ELEV AA	4
A110	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	1A501	9/10A550	15A500	-	-	-	-
A112a	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	16A500 SIM	9A550 SIM	3A501	-	-	-	-
A112b	7' - 4"	4' - 6"	3/4"	S.S.	COILING COUNTER	-	-		3A600		14A502	6A551	13A502	-	-	-	1
A113a	8' - 8"	8' - 8"	2"	Steel	OVERHEAD SECTIONAL	-	-		4A600		7A500	4A550	6A500	-	-	-	3
A113b	4' - 0"	4' - 6"	3/4"	S.S.	COILING COUNTER	-	-		3A600		10A500	5A550	9A500	-	-	-	1
A113c	4' - 8"	4' - 6"	3/4"	S.S.	COILING COUNTER	-	-		3A600		10A500	5A550	9A500	-	-	-	1
A113d	4' - 8"	4' - 6"	3/4"	S.S.	COILING COUNTER	-	-		3A600		10A500	5A550	9A500	-	-	-	1
A113e	4' - 8"	4' - 6"	3/4"	S.S.	COILING COUNTER	-	-		3A600		14A502	6A551	13A502	-	-	-	1
A113f	3' - 0"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	6 3/4"	1A501	9/10A550	15A500	-	-	-	-
B100a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	5 3/4"	13A500	7A550	1A502	45 MIN	-	-	-
B100b	4' - 8"	3' - 10"	1/2"	S.S.	COILING COUNTER	-	-		3A600		12A500	6A550	11A500	60 MIN	-	-	2,5
B100c	4' - 8"	3' - 10"	1/2"	S.S.	COILING COUNTER	-	-		3A600		12A500	6A550	11A500	60 MIN	-	-	2,5
B101	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	5 3/4"	13A500	7A550	1A502	45 MIN	-	-	-
B102	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	5 3/4"	13A500	7A550	1A502	45 MIN	-	-	-
B103	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	BB	5 3/4"	13A500	7A550	1A502	45 MIN	-	-	-
B104	4' - 2"	7' - 0"	1 3/4"	IHM	A	GLT-16	-	ALUM	BB	5 3/4"	16A500	9A550	8A500/15A501	-	-	SEE FRAME ELEV AA	4
B105	4' - 2"	7' - 0"	1 3/4"	IHM	A	-	-	HM	BB	5 3/4"	8A502	12A551	7A502	-	-	SEE FRAME ELEV AA	4
B106a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	AA		----	----	----	-	-	-	7
B106b	10' - 0"	8' - 0"	1/2"	S.S.	OVERHEAD COILING	-	-		3A600 SIM		----	----	----	-	-	-	6,7
B107a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	AA		----	----	----	45 MIN.	-	-	7
B107b	10' - 0"	8' - 0"	3/4"	S.S.	OVERHEAD COILING	-	-		3A600 SIM		----	----	----	60 MIN	-	-	6,7
B108a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	AA		----	----	----	-	-	-	7
B108b	10' - 0"	8' - 0"	1/2"	S.S.	OVERHEAD COILING	-	-		3A600 SIM		----	----	----	-	-	-	6,7
B109a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	AA		----	----	----	-	-	-	7
B109b	10' - 0"	8' - 0"	1/2"	S.S.	OVERHEAD COILING	-	-		3A600 SIM		----	----	----	-	-	-	6,7
B110a	3' - 0"	7' - 0"	1 3/4"	HM	A	-	-	HM	AA		----	----	----	-	-	-	7
B110b	10' - 0"	8' - 0"	1/2"	S.S.	OVERHEAD COILING	-	-		3A600 SIM		----	----	----	-	-	-	6,7
B201	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-
B202	4' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-
B203	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-
B204	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-
B205	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-
B206	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-
B207	3' - 0"	7' - 0"	1 3/4"	IHM	B	GLT-13	-	HM	AA	5 3/4"	6A501	13A550	5A501	-	-	-	-

DOOR SCHEDULE GENERAL NOTES

HM = HOLLOW METAL IHM = INSULATED HOLLOW METAL ALUM = ALUMINUM SCWD = SOLID CORE WOOD DOOR S.S. = STAINLESS STEEL

A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS
B. ALL HM (HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED
C. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE

DOOR TYPES



DOOR SCHEDULE REMARKS

1. OVERHEAD INSULATED COILING COUNTER DOOR.
2. OVERHEAD COILING COUNTER DOOR.
3. OVERHEAD INSULATED SECTIONAL DOOR.
4. PROVIDE SIGNAGE AT DOOR. SEE DOOR FRAME 'AA' FOR SIGNAGE INFORMATION.
5. CONNECT TO FIRE ALARM.
6. OVERHEAD COILING DOOR.
7. DOOR, FRAME AND HARDWARE BY DIVISION 8.

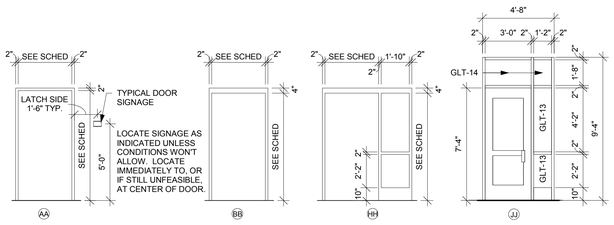
A3

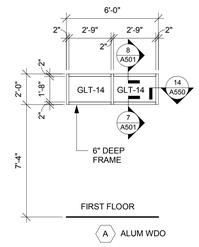
DOOR FRAME GENERAL NOTES

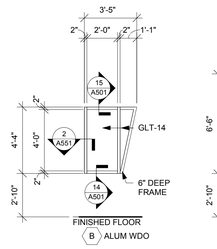
HM = HOLLOW METAL ALUM = ALUMINUM

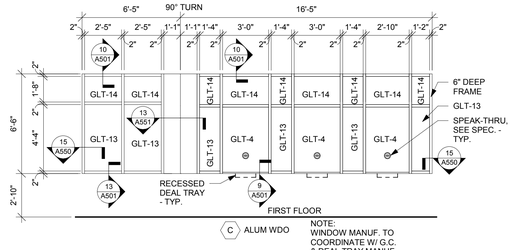
A. SEE SHEET A600 FOR ADDITIONAL FRAME TYPES
B. ALL HM (HOLLOW METAL) AND IHM (INSULATED HOLLOW METAL) FRAMES SHALL BE PAINTED.

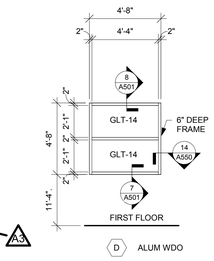
DOOR FRAME TYPES

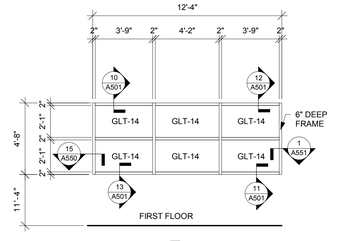


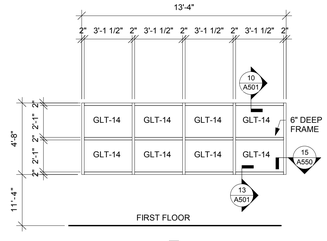


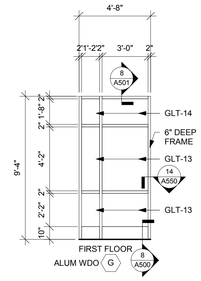


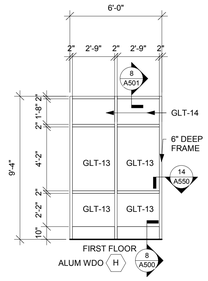






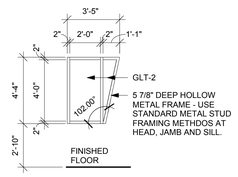






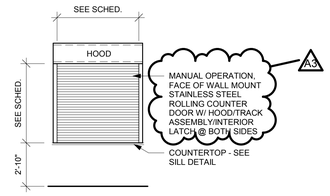
1 EXTERIOR ALUM. WDO. FRAME ELEVATIONS

1/4" = 1'-0"



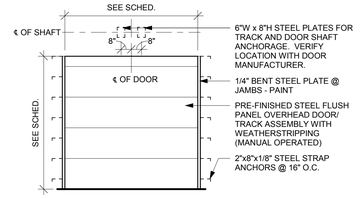
2 HM WDO. FRAME ELEV.

1/4" = 1'-0"



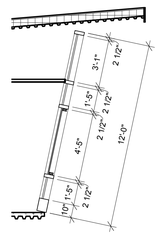
3 COILING CNTR. DR. ELEV.

1/4" = 1'-0"



4 SECTIONAL DR. ELEV.

1/4" = 1'-0"



5 CURTAIN WALL SECTION

1/4" = 1'-0"

ARCHITECTURE
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INTERIOR DESIGN

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ATHLETIC COMPLEX IMPROVEMENTS - BID PKG. #2 -
REBID

Project Location: 400 SIVERS RD.
GLENWOOD, IA 51534

Sheet Title: DOOR SCHEDULE & FRAME ELEVATIONS

HSR Project Number: 18005

Project Date: NOVEMBER 2018

Drawn By: JTD

Key Plan:

Revisions:

No.	Description	Date
A3	ADDENDUM #3	11/20/18

Graphic Scale: VARIES

Last Update: 11/19/2018 9:59:17 AM

A600R