MORE THAN ARCHITECTS

ADDENDUM

NO. 1

TO THE DRAWINGS AND THE PROJECT MANUAL

PROJECT NAME: Legacy High School BB – SB Renovations

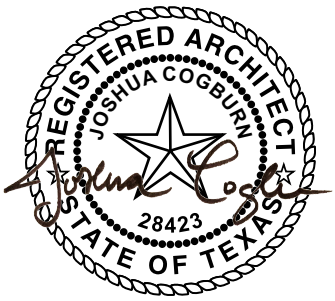
CLIENT NAME: Mansfield ISD

LOCATION: Mansfield, TX

PROJECT NUMBER: 01885-06-02

ADDENDUM DATE: Tuesday, April 29, 2025

For additional information regarding this project, contact Joshua Cogburn at 817.377.2969.



04.29.25

THIS ADDENDUM INCLUDES:

Civil Items	1	Pages
Structural Items	1	Pages
Sports Design	1	Pages
Architectural Items	1	Pages
Electrical Items	1	Pages

AND ALL ATTACHED REVISED DRAWING REFERENCES IN THE ADDENDUM

Huckabee

Project Name: Legacy High School BB – SB Renovations
Client: Mansfield ISD
Mansfield, TX
Project Number: 01885-06-02

TBPE Registration #: F-13709

CIVIL ITEMS FOR ADDENDUM NO. 1

NOTICE TO PROPOSERS:

A. This Addendum shall be considered part of the contract documents for the above-mentioned project as though it had been issued at the same time and incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original contract documents, this Addendum shall govern and take precedence.
B. Proposers are hereby notified that they shall make any necessary adjustments in their estimate on account of this Addendum. It will be construed that each Proposer's proposal is submitted with full knowledge of all modifications and supplemental data specified therein. Acknowledge receipt of this addendum in the space provided on the proposal form. Failure to do so may subject Proposer to disqualification.

REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

DRAWINGS:

AD No 1, Civil Item 1: **To the Drawings, Sheet C2.00, "DEMOLITION AND EROSION CONTROL PLAN,"**

1) Underground utility linework was added to plan sheet for reference purposes and show possible conflict areas during construction. Limits of underground electrical to be relocated/removed were added to sheet.
2) Portion of storm sewer removal was revised to include section of sewer adjacent to 3rd base dugout on softball field.

AD No 1, Civil Item 2: **To the Drawings, Sheet C2.00, "DEMOLITION AND EROSION CONTROL PLAN,"**
For clarification, notes were added to match field plans that call for the removal of foul poles on both the baseball and softball fields. Warning label was added to notate location of existing gas and electrical lines north of the existing field house building.

AD No 1, Civil Item 3: **To the Drawings, Sheet C3.00, "SITE & UTILITY PLAN,"**

1) General rerouting of underground electrical lines were added, where existing alignments were in conflict with proposed improvements.

AD No 1, Civil Item 4: **To the Drawings, Sheet C3.00, "SITE & UTILITY PLAN,"**
For clarification, notes were added for the contractor reference the field plans with regard to the proposed foul poles on both the baseball and softball fields.

END OF CIVIL ADDENDUM

Project Name: Legacy High School BB – SB Renovations
Client: Mansfield ISD
Mansfield, TX
Project Number: 01885-06-02

STRUCTURAL ITEMS FOR ADDENDUM NO. 1

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

AD No 1, Struct Item 1: To the Project Manual, Sections as listed below;
Athletic lighting pole specification Section 26 5670 "STRUCTURAL REQUIREMENTS FOR ATHLETIC LIGHTING" was added.

DRAWINGS:

AD No 1, Struct Item 2: To the Drawings, Sheet S2.01,

1. Plan 1/S2.01: Revised footing/grade dimensions.
2. Plan 1/S2.01: Section 4/S3.01 was added.
3. Plan 2/S2.01: Revised footing/grade beam dimensions.
4. Plan 2/S2.01: Top of wall elevation and bottom of lintel elevations have been added.
5. Plan 2/S2.01: Section 4/S3.01 was added.

END OF STRUCTURAL ADDENDUM

Project Name: Legacy High School BB-SB Renovations
Client: Mansfield ISD
Mansfield, TX
Project Number: 1885-06-02

SPORTS ITEMS FOR ADDENDUM NO. 1

NOTICE TO PROPOSERS:

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

DRAWINGS:

AD No 1, Sports Item 1: To the Drawings, Sheet F1.00,

1) CLARIFIED THAT THE BASEBALL OUTFIELD FENCE, POLES AND MOW STRIP ARE TO BE REMOVED ON BASEBALL AND A NEW M PANEL FENCE IS TO BE INSTALLED. SOFTBALL FIELD WILL ONLY HAVE EXISTING FENCE PANEL REMOVED AND REUSE EXISTING OUTFIELD FENCE POLES AND MOW STRIP.

AD No 1, Sports Item 2: To the Drawings, Sheet F1.01,

2) ADDED ROLLER GATE IN LUE OF DOUBLE SWING GATE AT TURTLE BATTING CAGE CONCRETE PAD

AD No 1, Sports Item 3: To the Drawings, Sheet F2.03,

3) ADDED DETAIL 11 FOR SINGLE ROLLING GATE

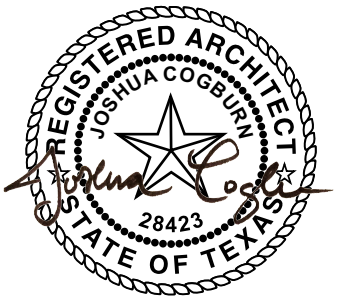
AD No 1, Sports Item 4: To the Drawings, Sheet F2.05,

4) REMOVED LEGACY BRONCOS FIELD TURF LETTERS FROM UP EACH BASELINE AND ADDED LEGACY TURF LETTERS BEHIND HOMEPLATE ON BASEBALL FIELD

END OF SPORTS ADDENDUM

Huckabee

Project Name: Legacy High School BB – SB Renovations
Client: Mansfield ISD
Mansfield, TX
Project Number: 01885-06-02



ARCHITECTURAL ITEMS FOR ADDENDUM NO. 1

04.29.25

NOTICE TO PROPOSERS:

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

AD No 1, Arch. Item 1: **To the Project Manual, Sections as listed below, Part 2 – Products;**
Products listed herein are considered acceptable for conformance with the design concept of the project and general compliance with the information given in the contract documents. The manufacturer, supplier and installer are responsible for meeting all requirements given in the contract documents unless specifically noted in the written approval.

1) To Section 32 2964, "Infilled Synthetic Turf,"
   Model *FieldTurf FTVT-45-4620 (Infield and Bullpen Turf System)* as manufactured by *Hellas/Shaw Industries*
2) To Section 32 2964, "Infilled Synthetic Turf,"
   Model *FTVT50-4620 (Outfield, Warning Track, Bullpen Green)* as manufactured by *Hellas/Shaw Industries*

AD No 1, Arch. Item 2: **To the Project Manual, Section 08 7100, "DOOR HARDWARE,"**
Add this section in its entirety.

DRAWINGS:

AD No 1, Arch. Item 3: **To the Drawings, Sheet AS1.01, "SITE PLAN,"**

1) Moved the Baseball Batting Cage Fence out to help clearly show it is not attached to the structure of the batting cage building. Refer to attached drawing AS1.01.

AD No 1, Arch. Item 4: **To the Drawings, Sheet A1.01, "FLOOR PLAN – BASEBALL BATTING CAGES,"**

1) Moved the Baseball Storage to sit over structural footings. Refer to attached drawing A1.01.

AD No 1, Arch. Item 5: **To the Drawings, Sheet A1.02, "FLOOR PLAN – SOFTBALL BATTING CAGES,"**

1) Moved the Baseball Storage to sit over structural footings. Refer to attached drawing A1.02

AD No 1, Arch. Item 6: **To the Drawings, Sheet A6.01, "FLOOR PLAN & ELEVATIONS & WALL SECTIONS,"**

1) Updated dimensions from moving the Baseball & Softball Storage to sit over structural footings. Refer to attached drawing A6.01.

END OF ARCHITECTURAL ADDENDUM

Huckabee

Project Name: Legacy High School BB – SB Renovations
Client: Mansfield ISD
Mansfield, TX
Project Number: 01885-06-02

ELECTRICAL ITEMS FOR ADDENDUM NO. 1

NOTICE TO PROPOSERS:

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REFERENCE IS MADE TO THE DRAWINGS AND THE PROJECT MANUAL AS NOTED:

PROJECT MANUAL:

AD No 1, Elec. Item 1: **To the Project Manual, Section 26 0519, "LOW VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES,"**

1) To paragraph 2.01, B., change to read as follows: "B. Conductor sizes shall be standard American Wire Gauge sizes and shall be as noted on the drawings and/or listed in the feeder schedule. Minimum conductor size shall be No. 12 unless otherwise noted. All conductors shall be stranded type for conductor sizes #10 and larger. Solid type shall be used for #12."
2) To paragraph 3.01, E., change to read as follows: "E. Where conductors are to be connected directly to the devices without the use of lugs, such as occurs at lighting switches and plug receptacles, the wires shall be solid type and formed into a loop around the screws."

DRAWINGS:

AD No 1, Elec. Item 2: **To the Drawings, Sheet E1.01, "ELECTRICAL SYMBOL LEGENDS AND DETAILS,"**

1) Added pole light fixture Types D and E to lighting fixture schedule.
2) Added circuits for pole lights to Panel Schedules A1 and A2.

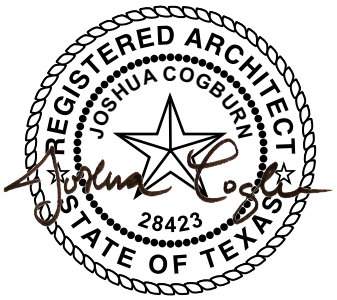
AD No 1, Elec. Item 3: **To the Drawings, Sheet ES1.1, "SITE PLAN - ELECTRICAL,"**

1) Added light pole to each of four bullpens.
2) Revised notes and scope of work for re-aiming of existing field lighting fixtures.

END OF ELECTRICAL ADDENDUM

Huckabee

SECTION 08 7100
DOOR HARDWARE



04.29.25

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical door hardware

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
   a. "Metal Doors and Frames"
   b. "Flush Wood Doors"
   c. "Stile and Rail Wood Doors"
   d. "Interior Aluminum Doors and Frames"
   e. "Aluminum-Framed Entrances and Storefronts"
   f. "Special Function Doors"
   g. "Entrances"

1.02 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
2. NFPA 101 – Life Safety Code
3. NFPA 105 – Smoke and Draft Control Door Assemblies
4. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
   a. Review drawings and Sections from related trades to verify compatibility with specified hardware.
   b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
   a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

3. Door Hardware Schedule:
   a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
   b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
   c. Indicate complete designations of each item required for each opening, include:
      1) Door Index: door number, heading number, and Architect's hardware set number.
      2) Quantity, type, style, function, size, and finish of each hardware item.
      3) Name and manufacturer of each item.
      4) Fastenings and other pertinent information.

5) Location of each hardware set cross-referenced to indications on Drawings.
6) Explanation of all abbreviations, symbols, and codes contained in schedule.
7) Mounting locations for hardware.
8) Door and frame sizes and materials.
9) Degree of door swing and handing.

4. Key Schedule:
   a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
   b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
   c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
   d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
   e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
   f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
2. Provide Product Data:
   a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
   b. Include warranties for specified door hardware.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
   a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
   b. Catalog pages for each product.
   c. Final approved hardware schedule edited to reflect conditions as installed.
   d. Final keying schedule
   e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
   a. Fire door assemblies, in compliance with NFPA 80.
   b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
   a. For door hardware: DHI certified AHC or DHC.
   b. Can provide installation and technical data to Architect and other related subcontractors.
   c. Can inspect and verify components are in working order upon completion of installation.

4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:
   a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
   b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

2. Smoke and Draft Control Door Assemblies:
   a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
   b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.

3. Accessibility Requirements:
   a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference
   a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
      1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
      2) Preliminary key system schematic diagram.
      3) Requirements for key control system.
      4) Address for delivery of keys.

2. Pre-installation Conference
   a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
   b. Inspect and discuss preparatory work performed by other trades.
   c. Review required testing, inspecting, and certifying procedures.
   d. Review questions or concerns related to proper installation and adjustment of door hardware.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.

C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

1.07 WARRANTY

A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.

   1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
   2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
      a. Mechanical Warranty
         1) Locks

a) BEST 45H Series : Limited Lifetime
2) Closers
a) LCN 4000 Series: 30 years

1.08 MAINTENANCE

A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."

1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.

B. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 25 00.

C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.

D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

A. Fabrication

1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer’s recognized installation standards for application intended.
2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with “Metal Doors and Frames”, “Flush Wood Doors”, “Stile and Rail Wood Doors” to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.

B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

2.03 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Ives 5BB series

2. Acceptable Manufacturers and Products:
   a. Hager BB1191/1279 series
   b. McKinney TB series
   c. Best FBB series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
   a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
   b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high

4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
   a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

5. 2 inches or thicker doors:
   a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
8. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
   a. Steel Hinges: Steel pins
   b. Non-Ferrous Hinges: Stainless steel pins
   c. Out-Swinging Exterior Doors: Non-removable pins
   d. Out-Swinging Interior Lockable Doors: Non-removable pins
   e. Interior Non-lockable Doors: Non-rising pins

2.04 MORTISE LOCKS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Best 45H series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide locks with a key override feature built into the chassis that allows the outside key to retract the deadbolt and/or latchbolt, overriding the inside thumbturn when it is being held in the locked position.
2. Standard Lever Handles – Brass, bronze, or stainless steel base material for standard lever designs. Lever styles #3, #14, and #15 return to a minimum of 1/2" of door surface. Lever styles #3 and #14 conform to California Titles 19 and 24. Lever styles 12, 16 and 17 do not return. Levers project 2-15/16" from door surface with H, J, R and S trim. Levers project 3-1/64" with M and N trim.
   a. Vandal Trim –VT– Vandal trim is available in standard finish for H, J, M, N, R, and S trims in either #14 or #15 levers.
   b. LEVER DESIGN: 14 R

2.05 CYLINDERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Best

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide cylinders/cores compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset; manufacturer’s series as indicated. Refer to “KEYING” article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
   a. Patented Restricted: cylinder with permanent core with patented, restricted keyway.
   b. Patented Restricted: cylinder with interchangeable core with patented, restricted keyway.

3. Patent Protection: Cylinders/cores requiring use of restricted, patented keys, patent protected.
4. Nickel silver bottom pins.

2.06 KEYING

A. Scheduled System:

1. New factory registered system:
   a. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

2. Existing factory registered system:
   a. Provide cylinders/cores keyed into Owner’s existing factory registered keying system. Comply with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

3. Existing non-factory registered system:

a. Provide cylinders/cores keyed into Owner's existing keying system managed by Owner's locksmith, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference. Contact:
   1) Firm Name:
   2) Contact Person:
   3) Telephone:

B. Requirements:

1. Construction Keying:
   a. Temporary Construction Cylinder Keying.
      1) Provide construction cores that permit voiding construction keys without cylinder removal, furnished in accordance with the following requirements.
         a) Split Key or Lost Ball Construction Keying System.
         b) 3 construction control keys, and extractor tools or keys as required to void construction keying.
         c) 12 construction change (day) keys.
      2) Owner or Owner's Representative will void operation of temporary construction keys.

2. Permanent Keying:
   a. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.
      1) Master Keying system as directed by the Owner.
   b. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
   c. Provide keys with the following features:
      1) Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
      2) Patent Protection: Keys and blanks protected by one or more utility patent(s).
      3) Geographically Exclusive: Where High Security or Security cylinders/cores are indicated, provide nationwide, geographically exclusive key system complying with the following restrictions.
   d. Identification:
      1) Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
      2) Identification stamping provisions must be approved by the Architect and Owner.
      3) Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
      4) Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
      5) Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
   e. Quantity: Furnish in the following quantities.
      1) Permanent Control Keys: 3.
      2) Master Keys: 6.
      3) Change (Day) Keys: 3 per cylinder/core that is keyed differently
      4) Key Blanks: Quantity as determined in the keying meeting.

2.07 KEY CONTROL SYSTEM

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Best

2. Acceptable Manufacturers:
   a. No Substitute

B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
   a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
   b. Provide hinged-panel type cabinet for wall mounting.

2.08 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. LCN 4040XP series

2. Acceptable Manufacturers and Products:
   a. No Substitute

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2-inch (38 mm) diameter piston with 5/8-inch (16 mm) diameter double heat-treated pinion journal. QR code with a direct link to maintenance instructions.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards. Provide snap-on cover clip, with plastic covers, that secures cover to spring tube.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck. Provide graphically labelled instructions on the closer body adjacent to each adjustment valve. Provide positive stop on reg valve that prevents reg screw from being backed out.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).

10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.
11. Closers shall be capable of being upgraded by adding modular mechanical or electronic components in the field.

2.09 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Burns
   b. Trimco
   c. Rockwood

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.10 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Zero International

2. Acceptable Manufacturers:
   a. National Guard
   b. Reese
   c. Pemko

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.11 FINISHES

A. FINISH: BHMA 626/652 (US26D); EXCEPT:

1. Hinges at Exterior Doors: BHMA 630 (US32D)
2. Aluminum Geared Continuous Hinges: BHMA 628 (US28)
3. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
4. Protection Plates: BHMA 630 (US32D)
5. Overhead Stops and Holders: BHMA 630 (US32D)
6. Door Closers: Powder Coat to Match
7. Wall Stops: BHMA 630 (US32D)
8. Latch Protectors: BHMA 630 (US32D)
9. Weatherstripping: Clear Anodized Aluminum
10. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.

B. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
4. Installation Guide for Doors and Hardware: DHI TDH-007-20

B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.

I. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
2. Replace construction cores with permanent cores as indicated in keying section.
3. Furnish permanent cores to Owner for installation.

J. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

K. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.

L. Door Closers & Auto Operators: Mount closers/operators on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers/operators so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

M. Overhead Stops/Holders: Mount overhead stops/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

N. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

O. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

P. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

Q. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

R. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.03 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door can close freely from an open position of 30 degrees.

2. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.04 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items per manufacturer's instructions to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.05 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

Legend:
Link to catalog cut sheet

Hardware Group No. 001

For use on Door #(s):

Provide each RU door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
1	EA	MORTISE CYLINDER	1E74 (CAM AS REQUIRED)		626	BES
1	EA	PERMANANT CORE	1C7		626	BES
1	EA	CONSTRUCTION CORE	1CC7A2		GRN	BES
1		NOTE	BALANCE OF HARDWARE BY ROLL UP DOOR MFR			

-COORDINATE HARDWARE REQUIREMENTS WITH DOOR MANUFACTURER PRIOR TO SUBMITTALS.
-REMOVE CYLINDER AND CORE IF NOT REQUIRED.

Hardware Group No. 205W

For use on Door #(s):

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER		FINISH	MFR
3	EA	HINGE	5BB1HW 5 X 4.5 NRP		630	IVE
1	EA	MORTISE STOREROOM LOCK	45H-7D14R LESS CORE		626	BES
1	EA	PERMANANT CORE	1C7		626	BES
1	EA	CONSTRUCTION CORE	1CC7A2		GRN	BES
1	EA	SURFACE CLOSER	4040XP SCUSH X MTG BRKT, SPCR & PLATE AS REQ		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	RAIN DRIP	142AA DW + 4" (OMIT @ COVERED OPENINGS)		AA	ZER
1	SET	GASKETING	328AA H & J		AA	ZER
1	EA	DOOR SWEEP	8198AA		AA	ZER
1	EA	THRESHOLD	65A		A	ZER

END OF SECTION

1

SECTION 26 5670
STRUCTURAL REQUIREMENTS FOR ATHLETIC LIGHTING

4/29/2025
NSSA AP
STATE OF TEXAS
JEFF M. BRYANT
125672
LICENSED
PROFESSIONAL ENGINEER

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Structural performance and design standards for sports lighting

1.02 RELATED REQUIREMENTS

A. Division 26 - Exterior Athletic Lighting

1.03 REFERENCE STANDARDS

A. AASHTO LTS-5 Standard Specifications for Structural Supports for Highway Signs, Luminares and Traffic Signals

B. ASCE 7-10 Minimum Design Loads for Buildings and Other Structures

1.04 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

B. Provide engineered drawings stating compliance with this specification section

C. The Professional Engineer performing the design of the athletic light pole foundations shall include a statement in their submittal regarding whether the mix design for light poles in Section 03 3000 is structurally acceptable to use for the athletic light pole foundations. If it is not structurally acceptable, the pole foundation engineer shall detail in their submittal what changes are necessary for the athletic light pole foundations, and the Contractor shall make those changes to the mix when placing athletic light pole foundation concrete.

1.05 QUALITY ASSURANCE

A. Work covered by this section of the specifications shall conform to the contract documents, as well as state and local codes.

B. The purpose of these specifications is to define the structural performance and design standards for sports lighting. The manufacturer/contractor shall supply lighting equipment to meet or exceed the standards set forth by the criteria set forth in these specifications

1.06 STRUCTURAL PARAMETERS

A. A Professional Engineer licensed in the State of Texas and hired by the Contractor shall design all exterior athletic lighting structures and submit sealed calculations (as a separate submittal from the electrical submittal) to Huckabee Engineering for Structural Engineering review before fabrication. Poles and other support structures, brackets, arms, bases, anchorages and foundations shall be designed to resist wind loads as determined by ASCE 7-10 based on a Basic Wind Speed (3 second gust) as shown for the project location in the Mapped Basic Wind Speeds for Risk Category III with Exposure Category C. Luminares, visors and crossarms shall be designed to resist wind loads based on a Basic Wind Speed of 150 mph (3 second Gust) or the ASCE 7-10 mapped Basic Wind Speed (3 second gust), whichever is higher, while maintaining luminaire aiming alignment. All designs shall comply with the 2012 International Building Code (IBC). The effects of fatigue shall be considered during design at the equivalent static wind pressure as determined by AASHTO LTS-5 “Standard Specifications for Structural Supports for Highway Signs, Luminares and Traffic Signals” with the fatigue importance factor associated with Fatigue Category I and the maximum permitted stresses for the fatigue analysis shall be based on an infinite number of cycles as determined by ANSI/AISC 360-10, including Appendix 3.

B. If the project location is near the line between different mapped Basic Wind Speeds, proposers shall assume for proposal purposes that the higher wind speed shall be required unless the Buiding Official indicates otherwise.

C. The athletic light pole designs shall comply with the requirements in this specification section, even if other specification sections have different structural requirements for light poles, so that all requirements are met.

D. If the locally adopted building code cited in Specification Section 01 4100 "Regulatory Requirements" is different than the 2012 IBC, then the athletic light pole designs shall also comply with the locally adopted building code in addition to complying with the requirements in this specfication section, which are based on the 2012 IBC.

E. Corrosion Resistance Requirements: To reduce the potential for corrosion, which could lead to structural failure of the poles during the intended design life, all steel shall be galvanized. All welding shall occur before galvanization. It shall not be permitted to weld or cut any galvanized members after galvanizing. Painting a galvanizing repair product over welds or field cuts shall not be permitted. If post-galvanized welding or cutting of members occurs, members shall be replaced at no cost to the Owner. If base plates are part of the design, it shall not be permitted for the top of the pier to be below grade and it shall not be permitted to grout under any base plates. If grout is installed under base plates, at no cost to the Owner the light poles shall be disconnected and lifted from the foundation so that the grout can be completely removed and the pole replaced and reconnected. The Contractor shall be responsible for monitoring for these conditions and shall be responsible for remediation at no cost to the Owner even if such conditions are noted by the Architect or Engineer during the Final Punchlist.

F. Soil Conditions: The design criteria for these specifications are based on soil design parameters as outlined in the geotechnical report. If a geotechnical report is not provided by the owner, the foundation design shall be based on soils that meet or exceed those of a Class 5 material as defined by 2012 IBC.
   1. It shall be the Contractor’s responsibility to notify the owner if soil conditions exist other than those on which the foundation design is based, or if the soil cannot be readily excavated. Contractor may issue a change order request / estimate for the owner’s approval / payment for additional costs associated with:
   2. Providing engineered foundation embedment design by a registered engineer in the State of Texas
   3. Additional materials required to achieve alternate foundation.
   4. Excavation and removal of materials other than normal soils, such as rock, caliche, etc.

G. Foundation Drawings: Project specific foundation drawings stamped by a registered engineer in the state where the project is located are required. The foundation drawings must list the moment, shear (horizontal) force, and axial (vertical) force at ground level for each pole.

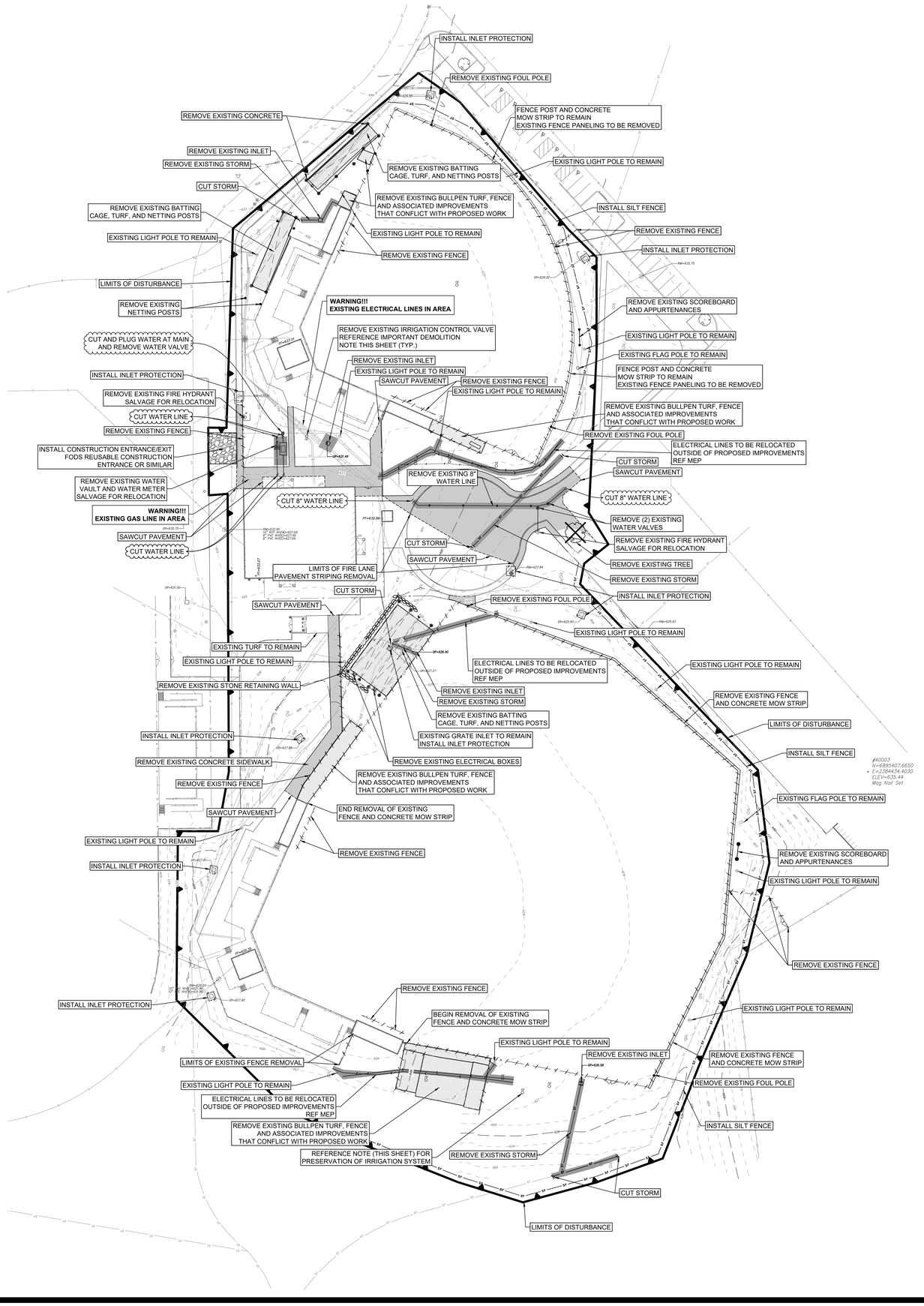
1.07 FIELD CONDITIONS

A. Existing Conditions: See Section 00 3132 - Geotechnical Data

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION



NOTES FOR CHANGES TO SWPPP

THE TXR15000 GENERAL PERMIT REQUIRES THAT THE PERMITTEE REVISE OR UPDATE THIS SWPPP WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, OR WHENEVER THE RESULT OF AN INSPECTION INDICATES THAT THIS SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES. HOWEVER, THE REGULATIONS OF THE TEXAS BOARD OF PROFESSIONAL ENGINEERS REQUIRE THAT CHANGES MADE BY THE CONTRACTOR DURING CONSTRUCTION MUST BE AUTHORIZED BY A LICENSED TEXAS ENGINEER. THESE CHANGES MAY BE AUTHORIZED BY THE ENGINEER OF RECORD THROUGH UPDATED DRAWINGS, WORK ORDER CHANGES, OR OTHER METHODS ACCEPTABLE TO THE ENGINEER; OR BY ANOTHER ENGINEER PROVIDED THAT THEY NOTIFY THE ENGINEER OF RECORD.

EROSION CONTROL SEQUENCE

1. INSTALL SILT BARRIERS AROUND PERIMETER OF PROPERTY AND DISTURBED AREAS AS SHOWN.
2. INSTALL INLET PROTECTION FOR ALL EXISTING GRATE INLETS, CURB INLETS.
3. INSTALL ROCK CHECK DAMS AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES, IF PRESENT.
4. CONSTRUCT TEMPORARY CONSTRUCTION ACCESS.
5. COMMENCE GRUBBING AND REMOVAL OF VEGETATION IN AREA TO RECEIVE CUT OR FILL.
6. COMMENCE GRADING OPERATION FOR BUILDING PAD PREPARATION.
7. INSTALL ALL UNDERGROUND UTILITIES.
8. FINALIZE PAVEMENT SUBGRADE PREPARATION.
9. INSTALL ALL PROPOSED STORM SEWER PIPES AND INSTALL INLET PROTECTION AND SILT BARRIERS AT ENDS OF EXPOSED PIPES.
10. CONSTRUCT ALL GRATE INLETS AND DRAINAGE STRUCTURES. INLET PROTECTION AND SILT BARRIERS MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.
11. REMOVE SILT BARRIERS AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING STABILIZED BASE COURSE.
12. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT, CURB & GUTTER.
13. INSTALL ALL PAVING, CURB & GUTTER.
14. COMPLETE PLANTING AND/OR SEEDING OF VEGETATED AREAS TO ACCOMPLISH STABILIZATION, IN ACCORDANCE WITH TURF PROJECT NOTES.
15. REMOVE TEMPORARY CONSTRUCTION ACCESS, SILT BARRIERS & ROCK CHECK DAMS.

NOTE - WATER OF THE U.S.

THERE ARE NO IMPACTS FROM CONSTRUCTION ACTIVITIES TO THE WATERS OF THE U.S. ON THIS SITE.

NOTE - SWPPP

CONTRACTOR IS RESPONSIBLE FOR PREPARING AND IMPLEMENTING A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE TPDES.

NOTE - STABILIZATION

ALL DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND SEEDED OR SODDED AS NECESSARY AND BY DEFINITION 'MAINTAINED' UNTIL AN ESTABLISHED STAND OF GRASS CAN BE RELEASED TO THE OWNER. REFERENCE LANDSCAPE/IRRIGATION PLAN (IF PROVIDED) TO COORDINATE PLANTING ENHANCEMENTS AND LIMITS OF IRRIGATION COVERAGE.

MATERIAL STORAGE - NOTICE TO CONTRACTOR ***

THE CONTRACTOR SHALL NOTE ON SITE PLAN THE LOCATION OF ALL MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREAS, PETROLEUM TANKS, SOLID WASTE RECEPTACLES, SANITARY FACILITIES, ANY ON-SITE OR OFF-SITE BORROW OR STOCKPILE AREA, ANY ON-SITE OR OFF-SITE SUPPORT ACTIVITIES (SUCH AS ASPHALT OR CONCRETE PLANTS). CONTRACTOR SHALL ALSO PREPARE, KEEP ON SITE, AND MAINTAIN CURRENT A LIST OF MATERIALS WITH APPROXIMATE QUANTITIES, WHICH ARE STORED ON SITE.

EROSION CONTROL MAINTENANCE NOTES

1. ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON ON A SCHEDULE WHICH COMPLIES WITH THE GENERAL PERMIT REQUIREMENTS AND CLEANED AND REPAIRED WITHIN 48 HOURS OF THE INSPECTION IN ACCORDANCE WITH THE FOLLOWING:

1.A. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

1.B. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.

1.C. SILT BARRIER SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT BARRIER WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT BARRIER.

1.D. THE TEMPORARY PARKING AND STORAGE AREA (IF PRESENT) SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

1.E. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS OR SEDIMENT TRAPS (IF PRESENT) SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

NOTE:

1.) INLET PROTECTION TO BE INSTALLED AROUND ALL EXISTING AND PROPOSED INLETS. REFERENCE C4.00 & C4.01 - GRADING AND DRAINAGE FOR LOCATIONS OF PROPOSED DRAINAGE STRUCTURES.

2.) RETURN EXISTING BATTING CAGE NETTING TO OWNER.

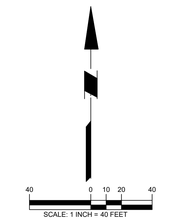
811 Know what's **below.** **Call** before you dig.

!!!CAUTION!!!
EXISTING OVERHEAD & UNDERGROUND UTILITIES IN THE VICINITY. VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES BY VACUUM EXCAVATION OR OTHER POTHOLING TECHNIQUES.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

NOTICE TO CONTRACTORS - UTILITIES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ANY EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, THE GOVERNING MUNICIPALITY, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION PROVIDED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.



LEGEND

- SAWCUT
- EXISTING TURF REMOVAL
- PAVEMENT REMOVAL
- TREE TO BE REMOVED
- REMOVE EXISTING FENCE
- REMOVE EXISTING STORM (ST)
- REMOVE EXISTING WATER (W)
- RELOCATE EXISTING ELECTRICAL (E)
- SILT FENCE (SF)
- INLET PROTECTION (IP)
- LIMITS OF DISTURBANCE
- CONSTRUCTION ENTRANCE / EXIT

TURF PROJECT NOTES

EROSION CONTROL:
Throughout the project and the maintenance period for turfgrass, it is the Contractor's responsibility to maintain the topsoil in place at specified grades. **Topsoil and turfgrass losses due to erosion or any construction disturbance will be replaced by the Contractor until ESTABLISHMENT and ACCEPTANCE is achieved.**

SOIL PREPARATION :
All slopes and areas disturbed by construction, except those occupied by buildings, structures, or paving shall be graded smooth and four (4") inches of topsoil applied. If adequate topsoil is not available onsite, the Contractor shall provide topsoil as approved by the Owner. The area shall be dressed to typical sections and plowed to a depth of five (5") inches. Soil shall be further prepared by the removal of debris, weeds and stones larger than 3/4 inch in diameter. After tillage and cleaning, all areas to receive turf shall be leveled, fine graded, and drug with a weighted spike harrow or float drag. The top two (2") inches shall be pulverized to provide a uniform bed for seeding or sod as described below.

GRASS SOD:
At a minimum, three feet (3') of solid sod shall be installed along all impervious edges. This includes, but is not limited to: curbing, sidewalks, building foundation, storm water inlets, manholes, and planting bed perimeter treatments. Additional areas of sod installation will be as indicated on the design plans. Should installation occur between November and March, sod shall include an over-seed of Annual Rye for a grown-in appearance.

SEEDING ON SLOPES:
Hydroseed with appropriate season's grass seed as indicated above. All slopes 4:1 or greater and subject to erosion shall include a Bonded Fiber Matrix or be integrated (not covered) with appropriate "North American Green" blankets.

PROTECTION:
Protect newly seeded areas from excessive runoff and traffic until vegetation is established. Accumulated sediment deposited by runoff should be removed to prevent suppression of the vegetation. In addition, determine the source of excess sediment and implement appropriate BMPs to control the erosion. No heavy equipment shall be moved over the planted turf area unless the soil is again prepared, graded, leveled, and replanted. It will be the responsibility of the Contractor to protect all paving surfaces, curbs, utilities, plant materials, and any other existing improvements from damage. Any damages shall be repaired or replaced at no cost to the Owner.

IRRIGATION:
In the absence of an irrigation system or areas beyond the coverage limits of a permanent irrigation system, Contractor shall water sod/seed temporarily to develop adequate growth and establishment before regular maintenance begins. Turf shall be watered until firmly established.

Water shall be furnished by the Contractor with means and methods available to achieve acceptable turf. The water source shall be clean and free of industrial wastes or other substances harmful to the growth of the turf.

MAINTENANCE REQUIREMENTS:
Vegetation should be inspected regularly to ensure that plant material is established properly and remains healthy. Mowing, trimming and supervision of water applications shall be the responsibility of the Contractor until the Owner or Owner's Representative accepts and assumes regular maintenance.

ESTABLISHMENT AND ACCEPTANCE:
All disturbed areas being seeded shall receive topsoil as specified and be adequately established with turf such that any absence of water will not kill the turf, but promote a state of turf dormancy, until the next rainfall event.

Regardless of unseasonable climatic conditions or other adverse conditions affecting planting operations and the growth of the turf grass, it shall be the sole responsibility of the Contractor to establish a uniform stand of grass. UNIFORM STAND OF GRASS is defined as minimum 80% coverage per square foot (no bare areas).

**IMPORTANT DEMOLITION NOTE **

IT IS NOT KNOWN BY LANGAN, THE INTEGRITY OF THE EXISTING IRRIGATION SYSTEM. THEREFORE, PRIOR TO ANY DEMOLITION, THE IRRIGATION CONTRACTOR SHALL MEET WITH DISTRICT MAINTENANCE PERSONNEL TO LOCATE LIMITS OF COVERAGE AND EXISTING SYSTEM FAILURES. WITH AN UNDERSTANDING OF PROPOSED IMPROVEMENTS, THE DISTRICT AND CONTRACTOR SHALL DETERMINE WHERE TO PRESERVE THE EXISTING IRRIGATION SYSTEM TO QUANTIFY PROPOSED INSTALLATION LIMITS. THE CONTRACTOR SHALL THEN CAP AND/OR TERMINATE THE EXISTING MAINLINE, CONTROL WIRES, AND LATERALS WITHIN APPROPRIATE IRRIGATION BOXES. ANY COMPONENTS OF THE EXISTING SYSTEM TO BE SALVAGED SHALL BE DETERMINED BY THE DISTRICT.

** NOTICE TO CONTRACTORS - TOPOGRAPHIC SURVEY **

TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY PERFORMED BY LANGAN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR OMISSIONS TO THE TOPOGRAPHIC INFORMATION. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION (HORIZONTAL/VERTICAL) OF ANY BURIED CABLES, CONDUITS, PIPES, AND STRUCTURES (STORM SEWER, SANITARY SEWER, WATER, GAS, TELEVISION, TELEPHONE, ETC.) WHICH IMPACT THE CONSTRUCTION SITE. THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE ACTUAL CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION PLANS. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL LOCATION (HORIZONTAL/VERTICAL) OF SAID CABLES, CONDUITS, PIPES, AND STRUCTURES SHALL BE BORNE BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY ERRORS OR DISCREPANCIES ARE FOUND ON THE CONSTRUCTION DOCUMENTS (PS&E), WHICH NEGATIVELY IMPACT THE PROJECT. THE ENGINEER AND OWNER SHALL BE INDEMNIFIED OF PROBLEMS AND/OR COST WHICH MAY RESULT FROM CONTRACTOR'S FAILURE TO NOTIFY ENGINEER AND OWNER.

Revision / — Date
1 — ADDENDUM 1 — 4/29/2025

Project:
LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

LANGAN

STATE OF TEXAS — MATTHEW S. HARDY — 134448 — LICENSED — PROFESSIONAL ENGINEER
4/29/2025

TBPE Registration #: F-13709

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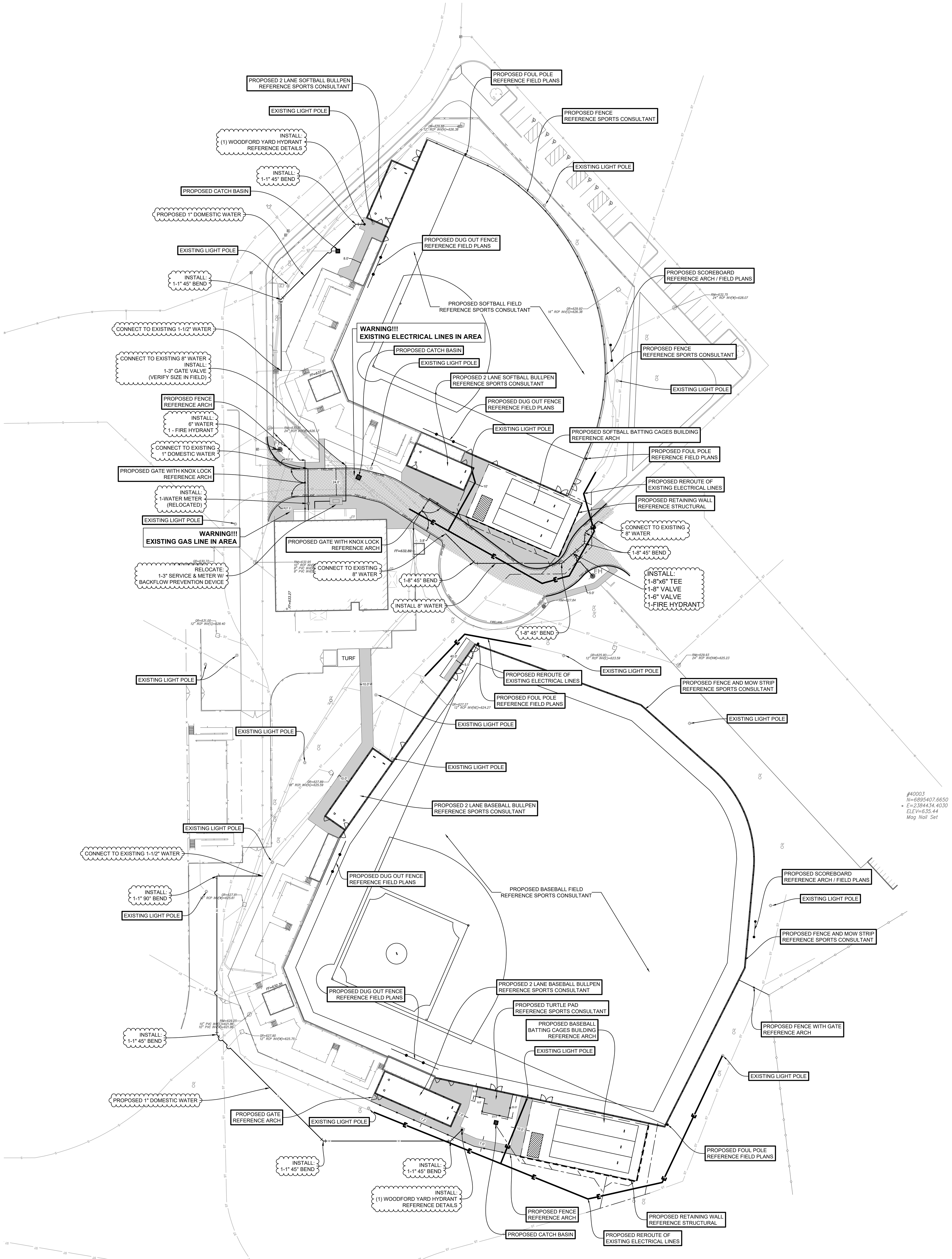
DEMOLITION AND EROSION CONTROL PLAN

Job No.	Sheet No.
01885406-02	ADD# 1
Drawn By: KE	C2.00
Date: 04.29.2025	



LEGEND

- PROPOSED FACE AND BACK OF CURB
- PROPOSED HEAVY DUTY PAVEMENT (PER GEOTECH)
- PROPOSED SIDEWALK PAVEMENT
- PROPOSED RETAINING WALL
- FIRE LANE STRIPING
- PROPOSED FIRE HYDRANT
- PROPOSED FENCE REFERENCE ARCH
- PROPOSED WATER LINE
- PROPOSED STORM
- PROPOSED ELECTRICAL
- EXISTING ELECTRICAL
- EXISTING WATER LINE
- EXISTING STORM
- EXISTING SANITARY SEWER

!!!CAUTION!!!

EXISTING OVERHEAD & UNDERGROUND UTILITIES IN THE VICINITY. VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES BY VACUUM EXCAVATION OR OTHER POTHOLING TECHNIQUES.

811 Know what's **below.** **Call** before you dig.

THESE PLANS ARE SUBJECT TO REVIEW & APPROVAL BY JURISDICTIONAL ENTITIES.

NOTICE TO CONTRACTORS - UTILITIES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ANY EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, THE GOVERNING MUNICIPALITY, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION PROVIDED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

** NOTICE TO CONTRACTORS - TOPOGRAPHIC SURVEY **

TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY PERFORMED BY LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, LLC. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR OMISSIONS TO THE TOPOGRAPHIC INFORMATION. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION (HORIZONTAL/VERTICAL) OF ANY BURIED CABLES, CONDUITS, PIPES, AND STRUCTURES (STORM SEWER, SANITARY SEWER, WATER, GAS, TELEVISION, TELEPHONE, ETC.) WHICH IMPACT THE CONSTRUCTION SITE. THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE ACTUAL CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION PLANS. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL LOCATION (HORIZONTAL/VERTICAL) OF SAID CABLES, CONDUITS, PIPES, AND STRUCTURES SHALL BE BORNE BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IF ANY ERRORS OR DISCREPANCIES ARE FOUND ON THE CONSTRUCTION DOCUMENTS (PS&E), WHICH NEGATIVELY IMPACT THE PROJECT. THE ENGINEER AND OWNER SHALL BE INDEMNIFIED OF PROBLEMS AND/OR COST WHICH MAY RESULT FROM CONTRACTOR'S FAILURE TO NOTIFY ENGINEER AND OWNER.

STANDARD ACCESSIBILITY REQUIREMENTS

PARKING:

(A) ACCESSIBLE PARKING SPACES SHALL BE AS NOTED TO A MIN. 96" WIDE OR A MIN. 132" WIDE FOR VAN DESIGNATED SPACES WITH A MAXIMUM SLOPE OF 2% (IN ALL DIRECTIONS). ALL BUILDINGS SHALL CONTAIN AT LEAST ONE VAN ACCESSIBLE SPACE FOR NO LESS THAN ONE VAN SPACE FOR EVERY 6 ACCESSIBLE SPACES.

(B) EACH ACCESSIBLE PARKING SPACE SHALL HAVE A VERTICALLY MOUNTED (OR SUSPENDED) SIGN SHOWING THE SYMBOL OF ACCESSIBILITY. APPROPRIATE VAN ACCESSIBLE SPACES MUST INCORPORATE "VAN-ACCESSIBLE" BELOW THE SYMBOL OF ACCESSIBILITY. SIGNS SHALL BE LOCATED AS NOTED TO 80" (MIN.) ABOVE THE ADJACENT PAVED SURFACE TO BOTTOM OF SIGN.

(C) ALL ACCESS AISLES SERVING ACCESSIBLE PARKING SPACES SHALL BE AS NOTED TO A 60" WIDE MINIMUM.

RAMPS:

(D) RAMPS EXCEEDING 6" IN RISE (EXCLUDING CURB RAMPS) SHALL HAVE APPROPRIATE EDGE PROTECTION WITH HANDRAILS ON EACH SIDE AT BETWEEN 34" AND 38", AND EXTEND 12" BEYOND THE TOP AND BOTTOM OF RAMP. HANDRAIL SHALL NOT DIMINISH THE CLEAR AREA REQUIRED FOR TOP AND BOTTOM LANDINGS SERVING THE RAMPS.

(E) RAMPS SHALL HAVE A SURFACE ARRANGED SO THAT WATER WILL NOT ACCUMULATE. COLOR OF RAMP FINISH MATERIAL (INCLUDING CONCRETE) SHALL HAVE A LIGHT AND REFLECTIVE VALUE TO SIGNIFICANTLY CONTRAST FROM ADJACENT SURFACES OR COLORS ONLY IF REQUIRED BY LOCAL OR STATE JURISDICTION

(F) LANDINGS FOR RAMPS SHALL BE AS WIDE AS THE RAMP AND 60" LONG MINIMUM (36" MINIMUM FOR CURB RAMPS)

(G) RAMPS SHALL NOT EXCEED A 1:12 RUNNING SLOPE OR 30" RISE

(H) RAMPS AND LANDINGS SHALL NOT EXCEED 1:48 (2% CROSS SLOPE)

SIDEWALKS AND ACCESSIBLE ROUTES:

(I) SIDEWALKS MUST BE AT LEAST 36" WIDE WITH 5'X5' CLEAR PASSING OPPORTUNITIES IN INCREMENTS LESS THAN 150 LF
SIDEWALK CROSS SLOPE SHALL NOT EXCEED 1:48 (2%)

(J) LONGITUDINAL SLOPE OF ANY SIDEWALK (ACCESSIBLE ROUTE) SHALL NOT EXCEED 1:20 (5%)

ADDENDUM 1

Revision /	Date
1	4/29/2025

Project:

LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

LANGAN

STATE OF TEXAS
MATTHEW S. HARDY
134448
LICENSED
PROFESSIONAL ENGINEER
4/29/2025

TBPE Registration #: F-13709

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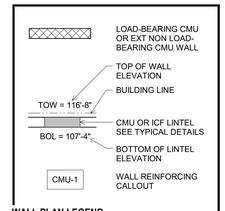
SITE & UTILITY PLAN

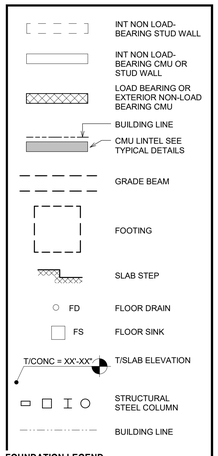
Job No.	Sheet No.
01885-06-02	ADD# 1
Drawn By: KE	C3.00
Date: 04.29.2025	

CMU WALL REINFORCEMENT SCHEDULE

WALL MARK	NOMINAL WALL THICKNESSES	GROUTING	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	COMMENTS
CMU-1	8"	PARTIAL	#5 @ 24" OC	(2) - #5 @ 24" OC + BED JOINT REINF @ 16" OC	SEE PLAN NOTE FOR PILASTER REINFORCEMENT



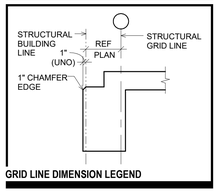
WALL PLAN LEGEND



FOUNDATION LEGEND

1. FOR GENERAL NOTES, SEE DWG. S0.00.
2. FOR FOUNDATION SECTIONS & DETAILS, SEE S3 SERIES DRAWINGS.
3. STRUCTURAL MEMBERS SHALL BE EQUALLY SPACED BETWEEN MAJOR SUPPORT POINTS SUCH AS COLUMN GRIDS, WALLS, AND GIRDERS UNLESS DIMENSIONED OTHERWISE.
4. SLAB ON GRADE OVER VAPOR BARRIER REINF WITH #3 AT 1'-0" OC EACH WAY CENTER IN SLAB TYPICAL EXCEPT WHERE NOTED ON PLAN.
5. REF FOUNDATION SECTIONS AND DETAILS SHEET FOR TYPICAL FOUNDATION ELEMENT DETAIL AND SCHEDULE.
6. STRUCTURAL MEMBERS SHALL BE EQUALLY SPACED BETWEEN MAJOR SUPPORT POINTS SUCH AS COLUMN GRIDS, DFE GRIDS, WALLS, AND GIRDERS UNLESS DIMENSIONED OTHERWISE.
7. SAW CUT CONTROL JOINTS AT EACH GRID LINE AND LOCATIONS SPECIFIED ON PLAN REF FOUNDATION SECTIONS AND DETAILS SHEET FOR DETAIL

FOUNDATION PLAN NOTES



GRID LINE DIMENSION LEGEND

Revision /	Date	
1	04/29/25	ADDENDUM 1

Project:

LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

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STATE OF TEXAS
JEFFREY M. BRYANT
125672
LICENSED PROFESSIONAL ENGINEER
04/29/2025
NSSA AP

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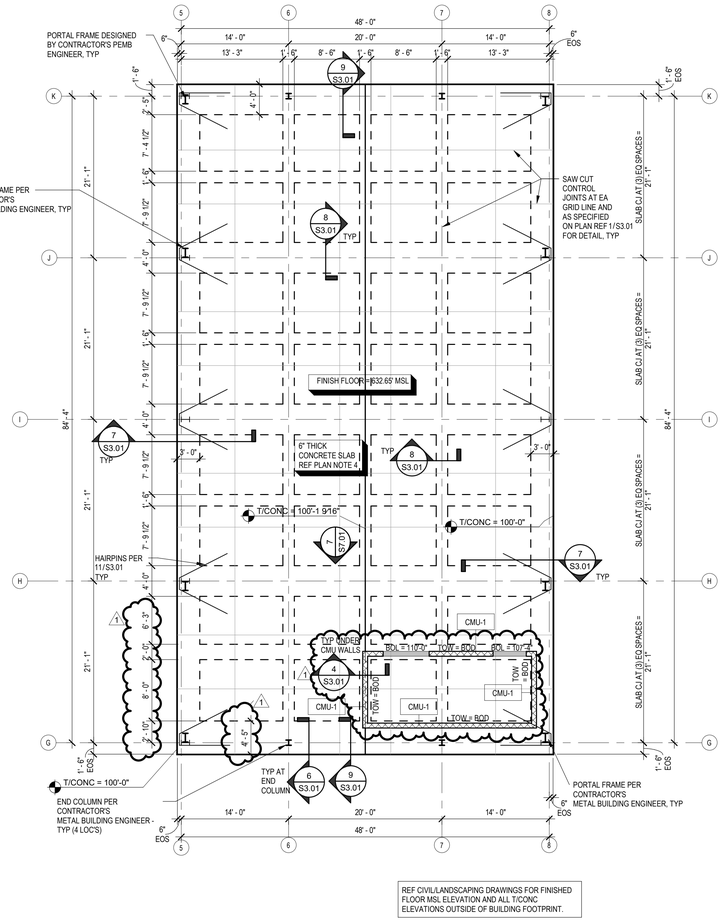
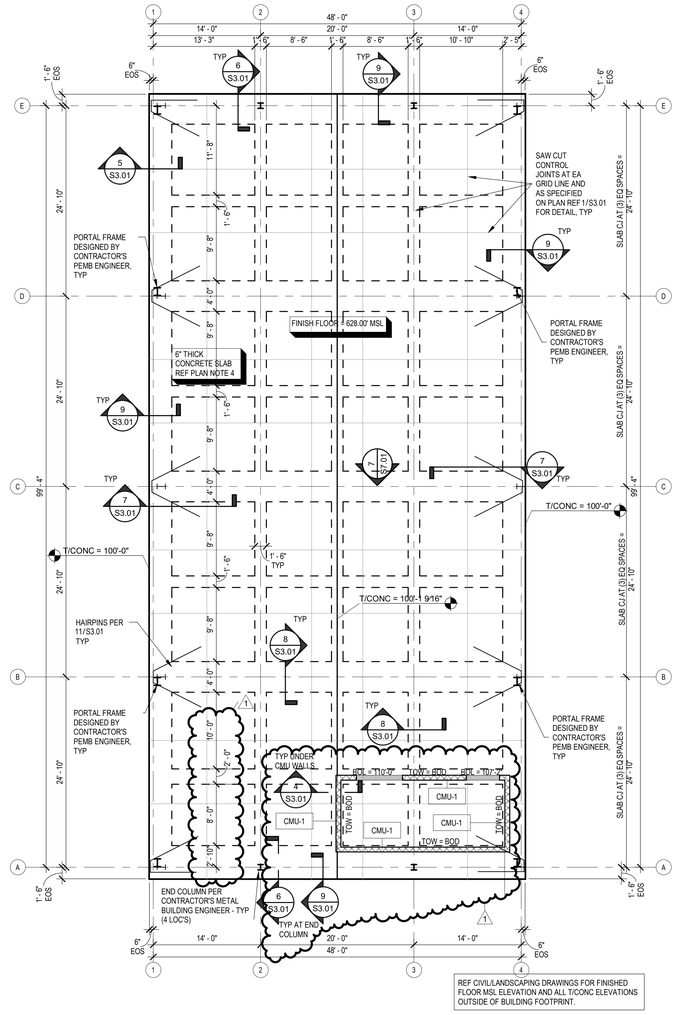
FOUNDATION PLAN

PACKAGE	VOLUME
Job No. 01885-06-02	Sheet No. S2.01
Drawn By: RM, RD	
Date: 04/15/25	

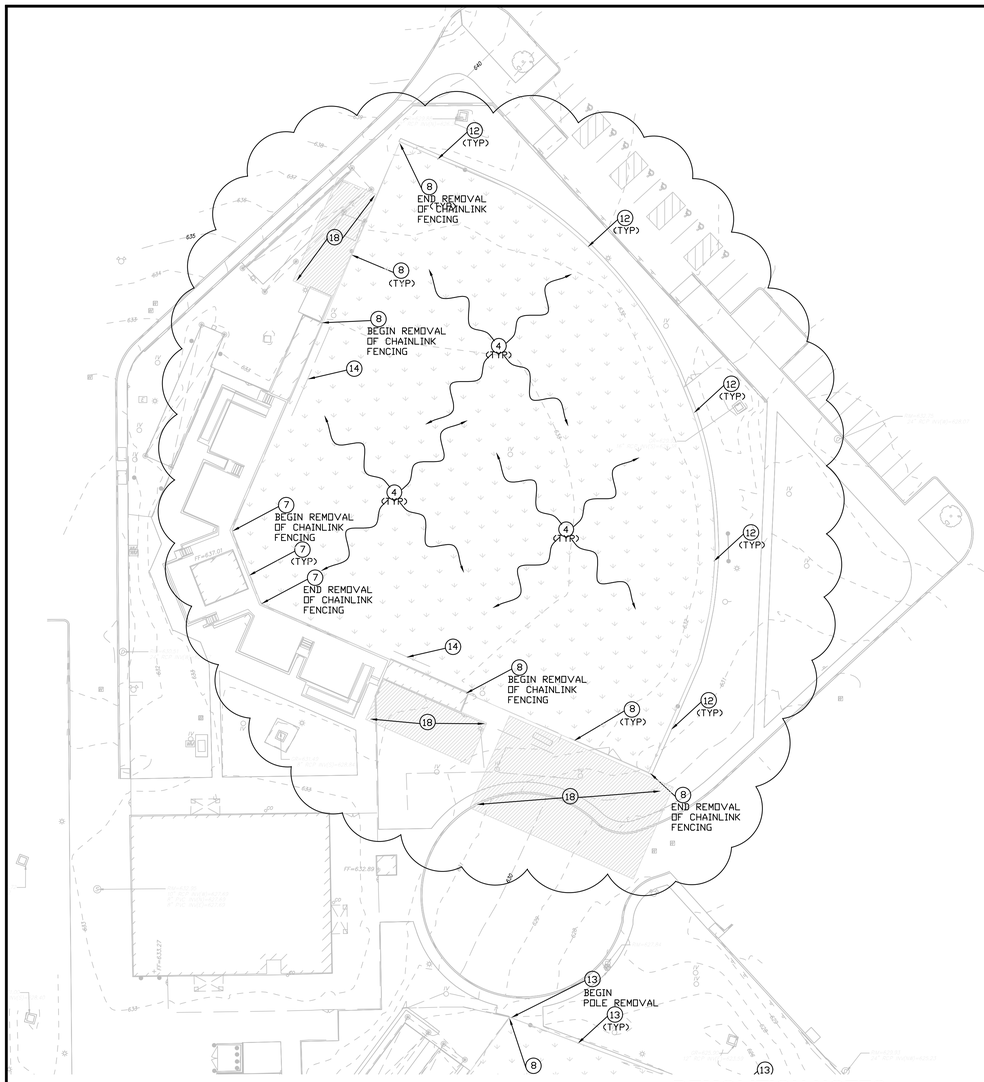
ISSUED FOR BIDDING



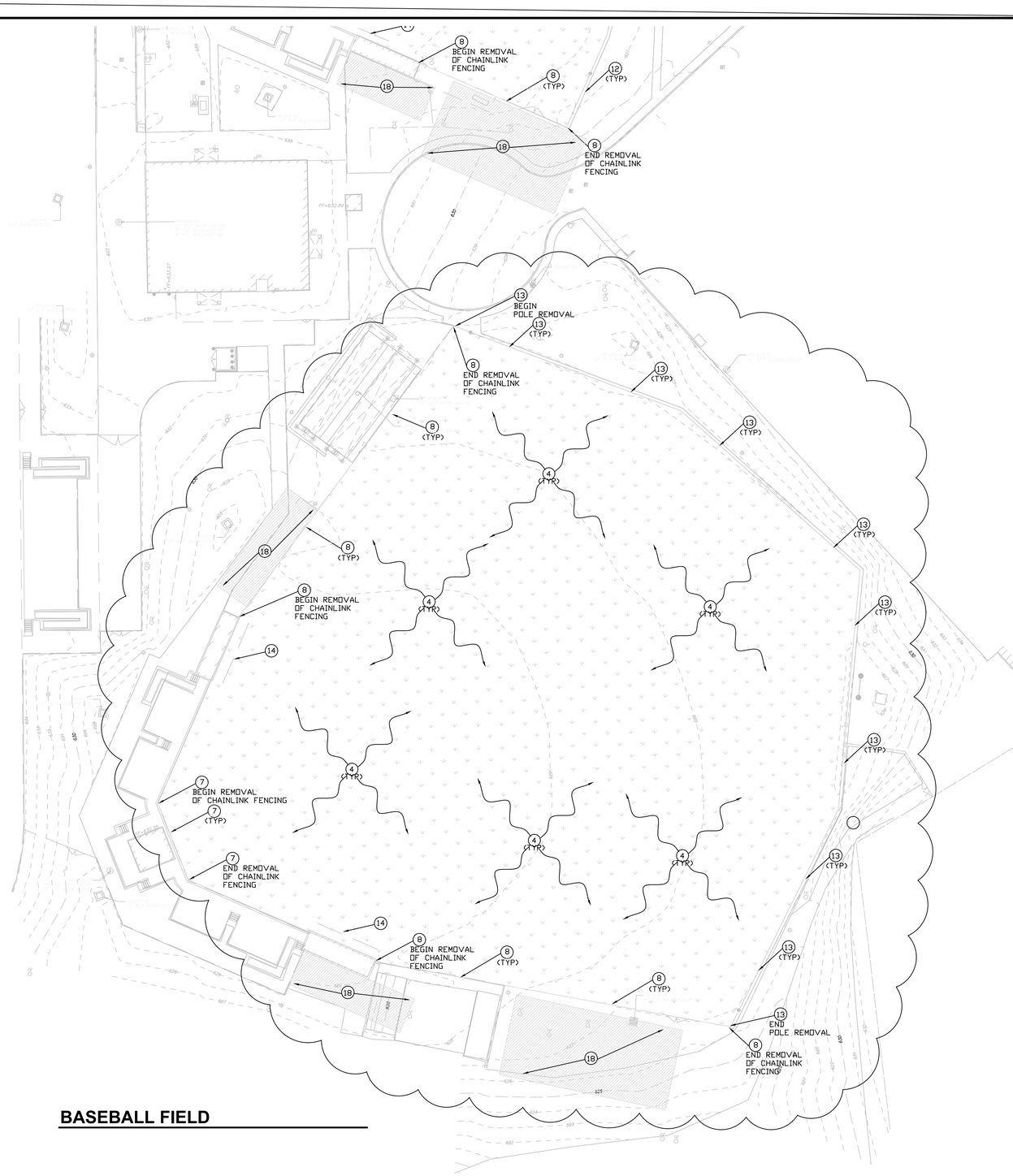
2 FOUNDATION PLAN - SOFTBALL
S2.01 1/8" = 1'-0"



1 FOUNDATION PLAN - BASEBALL
S2.01 1/8" = 1'-0"



SOFTBALL FIELD



BASEBALL FIELD

DEMOLITION NOTES

1. THE CONTRACTOR SHALL CALL AND NOTIFY DIAL-A-DIG AT 1-800-245-4545 A MINIMUM OF 2 WORKING DAYS BEFORE DEMOLITION, DIGGING, OR GRADING OPERATIONS OCCUR.
2. REMOVE THE EXISTING CONCRETE BASE, POLES AND NETTING FOR THE BATTING CAGES. DISPOSE OF EXISTING SYNTHETIC TURF OFF SITE.
3. COORDINATE WITH ON SITE MAINTENANCE STAFF TO LOCATE AND REMOVE ALL EXISTING IRRIGATION PIPING, HEADS, VALVES, AND SUBSURFACE DRAINAGE TUBING IF ENCOUNTERED AND DISPOSE OF OFF SITE. CUT AND CAP IRRIGATION MAIN LINE 3.0 FEET OUTSIDE FIELD LIMITS.
4. REMOVE AND DISPOSE OF OFF SITE ALL FIELD SURFACE ORGANIC MATERIAL AND COORESPONDING SUBGRADE MATERIAL. THIS INCLUDES THE BASEBALL FIELD, SOFTBALL FIELD, AND BULLPENS COMPACT SUBGRADE TO MEET GEOTECH REPORT REQUIREMENTS.
5. REMOVE AND DISPOSE OF OFF SITE INFIELD DIRT, MOUNDS, AND HOME PLATE BATTING AREAS INCLUDE BULLPEN AREAS.
6. REMOVE AND DISPOSE OF OFFSITE FOUL POLES. EXISTING FOUL POLES.
7. REMOVE EXISTING BACKSTOP CHAINLINK FENCE BEHIND HOME PLATE ONLY AND POLES. PRESERVE EXISTING BACKSTOP NETTING AND POLES. REMOVE EXISTING BACKSTOP WIND SCREEN AND WALL PADDING AND DISPOSE OF OFF SITE.
8. REMOVE EXISTING CHAINLINK WING FENCING AND CONCRETE MOW STRIP AND DISPOSE OF OFF SITE.
9. EXISTING SCOREBOARD TO BE REMOVED. COORDINATE WITH ELECTRIAL ON NEW SCOREBOARD POWER AND CONTROL WIRES.
10. FIELD LOCATED EXISTING OVERHEAD SPORTS LIGHTING WIRING AND PROTECT FROM DAMAGE DURING CONSTRUCTION.
11. REMOVE EXISTING FOUL POLES AND DISPOSE OF OFF SITE.
12. PRESERVE EXISTING OUTFIELD FENCE POLES AND CONCRETE MOW STRIP FOR SOFTBALL ONLY. REMOVE OUTFIELD METAL PANEL FENCE AND REPLACE WITH NEW M PANEL FENCING FOR BOTH SOFTBALL AND BASEBALL FIELDS.
13. REMOVE BASEBALL OUTFIELD POLES AND DISPOSE OF OFF SITE. INSTALL NEW POLES FOR ADJUSTED FENCE AND BATTERS EYE. MATCH EXISTING POLES FOR NEW ADJUSTED FENCE. INSTALL NEW POLES AND M PANEL FENCE.
14. REMOVE AND DISPOSE OF OFF SITE EXISTING DUGOUT RAIL ON BOTH BASEBALL AND SOFTBALL FIELDS.
15. REMOVE ALL BATTING CAGE NETS AND RETURN TO OWNER.
16. EXCAVATE FOR NEW BULLPEN. DISPOSE OF MATERIAL OFF SITE.
17. SEE ARCHITECT PLANS FOR DUGOUT MODIFICATIONS AND DEMO.
18. DEMO EXISTING GRASS, BULLPENS, BATTING CAGES AND ANY SITE ELEMENTS IN DESIGNATED AREAS FOR NEW BULLPENS, BATTING CAGES AND PORTABLE BATTING CAGE CONCRETE PAD. DISPOSE OF OFF SITE.

LEGEND

EXISTING NATURAL TURF TO BE REMOVED AND DISPOSED OF OFF SITE

DEMO PERIMETER ITEMS

0 15' 30' 60'
1"=30'

Revision / ADDENDUM #1	Date 4/28/25

Project:

LEGACY HIGH SCHOOL BB-SB RENOVATIONS FOR MANSFIELD I.S.D. MANSFIELD, TEXAS

Sports Design Group
7120 Langmuir Drive
McKinney, TX 75071
Office: 469-952-2060
Fax: 469-952-2059

REGISTERED LANDSCAPE ARCHITECT
RICHARD G. McDONALD
2366
STATE OF TEXAS

DATE: 04/15/2025

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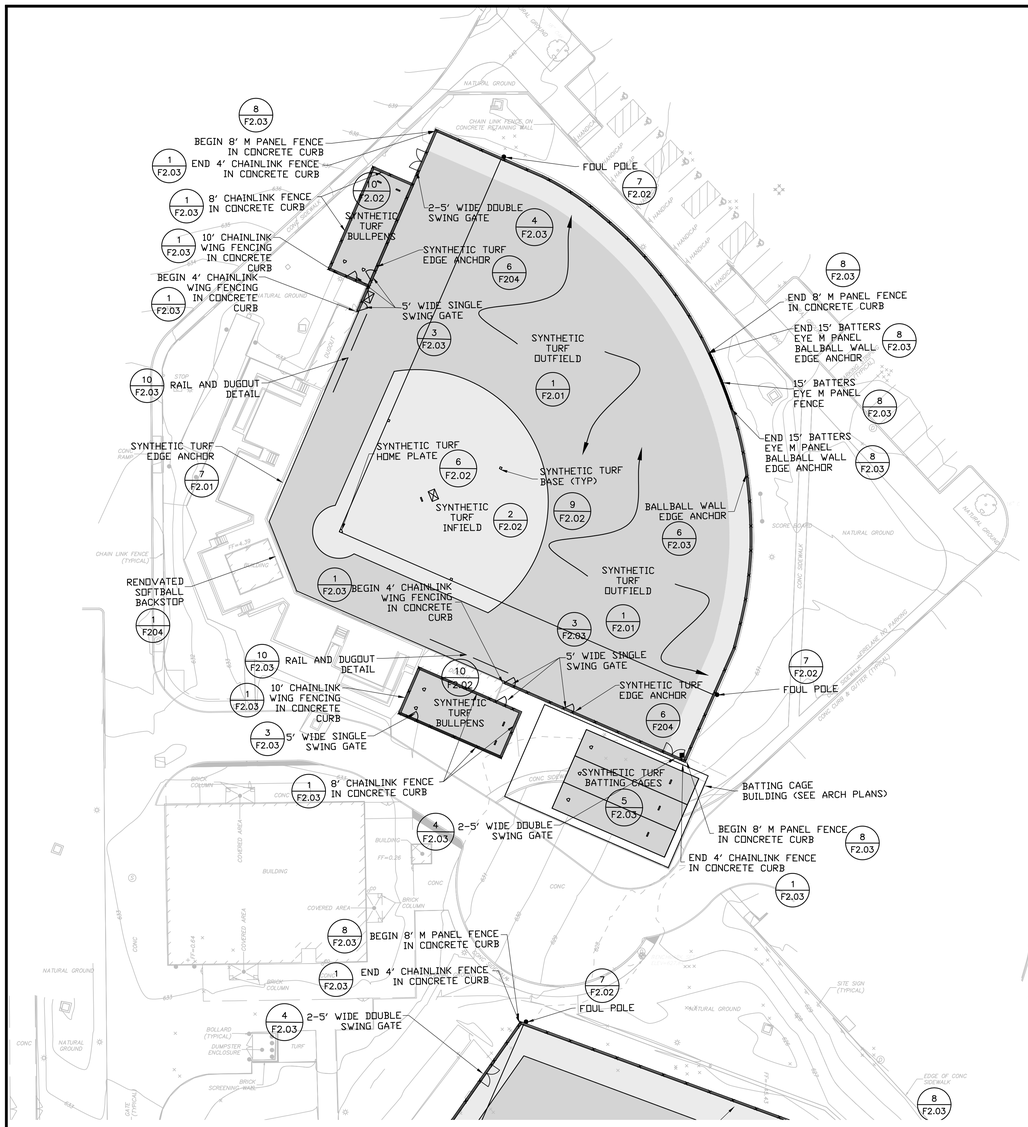
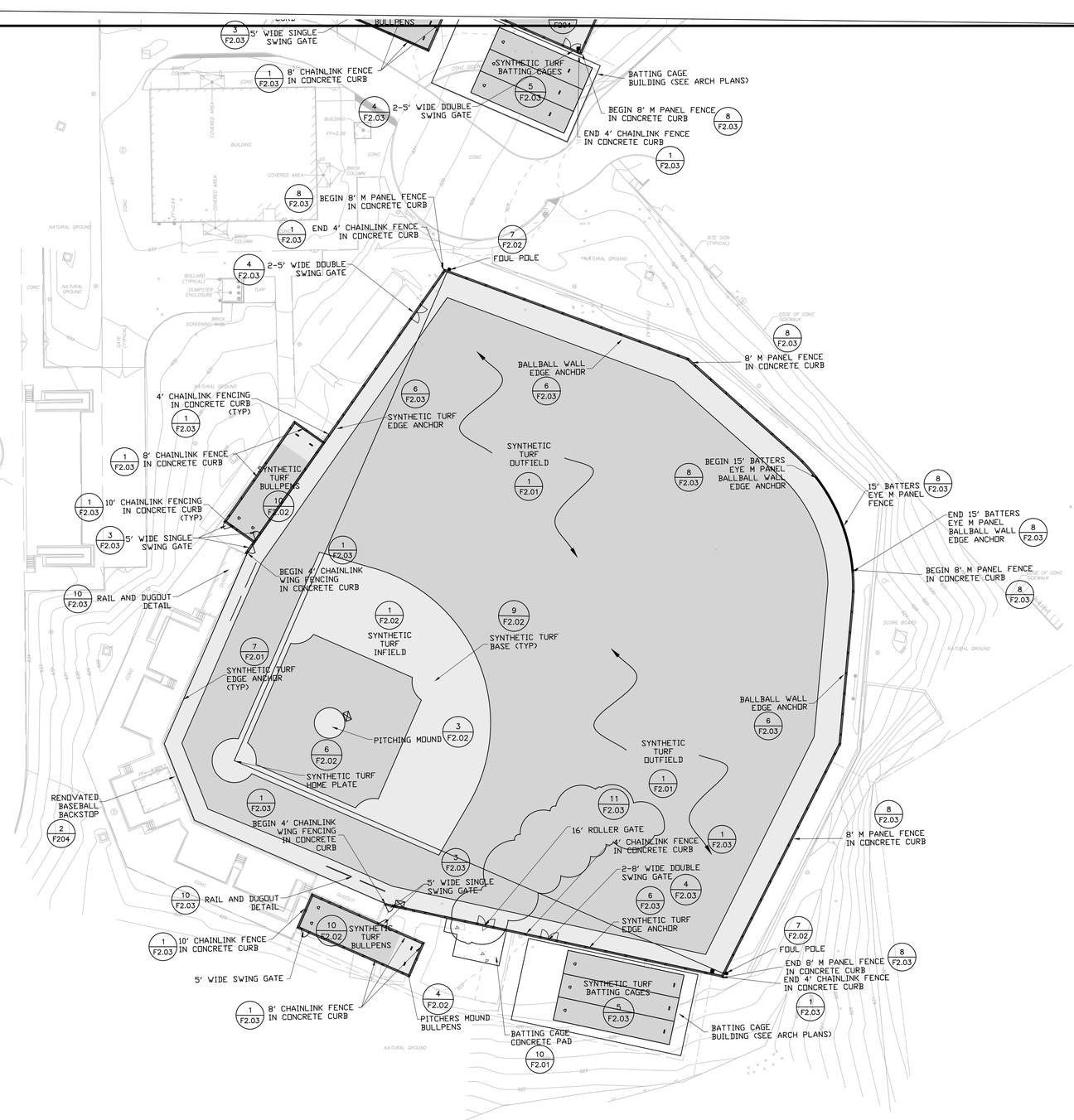
LEGACY HIGH SCHOOL BASEBALL & SOFTBALL FIELD DEMOLITION PLAN

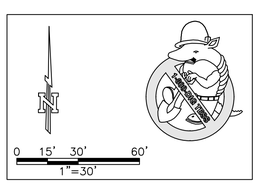
Job No. 1885-06-02	Sheet No. F1.00
Drawn By: RGM	
Date: 04/15/25	



SOFTBALL FIELD



BASEBALL FIELD



LEGEND

- INFIELD SYNTHETIC TURF
- SYNTHETIC TURF SURFACING
- SYNTHETIC TURF EDGE ANCHOR
- UTILITY BOX
- CATCH BASIN INLET (C.B.I.) TYPE 1
- CONCRETE CURBING

LAYOUT NOTES

1. INSTALL BOTH SOFTBALL AND BASEBALL BULLPENS WITH INFILLED SYNTHETIC TURF THAT WILL MATCH THE SYNTHETIC TURF FIELDS. BATTING CAGES, DUGOUTS AND DUGOUT PORCHES TO HAVE HEAVY FIBER NON FILLED TURF WITH PAD.
2. COORDINATE ELECTRICAL POWER TO BATTING CAGES AND BULLPENS FOR BOTH BASEBALL, SOFTBALL AND TENNIS COURTS. (SEE ELECTRICAL SHEETS)
3. FOLLOW GEOTECH RECOMMENDATION FOR ALL SPORTS SURFACES UP TO EXISTING CONCRETE CURBS AND 5' OUTSIDE OF NEW FENCE/FIELD SURFACES.
4. PITCHING MOUND TURF SHALL BE FLUSH WITH THE SYNTHETIC TURF INFILL MATERIALS AFTER STABILIZATION AND SETTLEMENT.
5. FURNISH AND INSTALL NEW BASES, PLATES AND ANCHORS FOR THE BASEBALL FIELD, SOFTBALL FIELD AND ALL BULLPENS.
6. BULLPENS TO HAVE 10' CHAINLINK FENCE BEHIND CATCHER AND 8' CHAINLINK FENCE FOR 3 OTHER SIDES.

Revision /	Date
ADDENDUM #1	4/28/25

Project:

LEGACY HIGH SCHOOL
BB-SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

Sports Design Group
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REGISTERED LANDSCAPE ARCHITECT
RICHARD G. MCDONALD
STATE OF TEXAS
DATE: 04/15/2025

Huckabee
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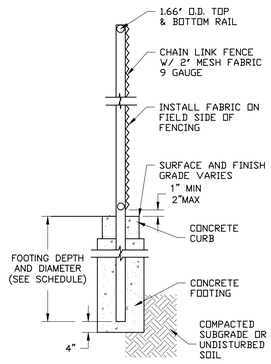
LAKE RIDGE HIGH SCHOOL BASEBALL & SOFTBALL FIELD LAYOUT PLAN

Job No.	Sheet No.
1885-06-02	F1.01
Drawn By: RGM	
Date: 04/15/25	



CONCRETE CURBING

1 F2.03 — CHAIN LINK FENCING SECTION

NOT TO SCALE

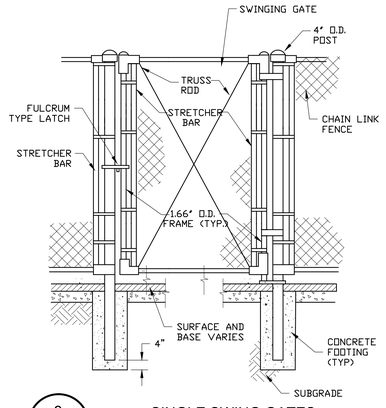
FENCING TYPE	15' HIGH FENCING M PANEL	8' HIGH FENCING M PANEL	4' HIGH FENCING	8' HIGH FENCING
CORNER POST	4.000" OD	4.000" OD	2.875" OD	4.000" OD
TERMINAL POST	4.000" OD	4.000" OD	2.875" OD	4.000" OD
LINE POST	2.875" OD	2.875" OD	2.375" OD	2.875" OD
FOOTING DEPTH	54"	42"	36"	42"
FOOTING DIAMETER	12"	12"	12"	12"
TOP RAIL HT.	15'	8'	6'	8'
INTERMEDIATE RAIL HTS.	3,6,9	3',6'	---	3',6'
BOTTOM RAIL HT.	1'	1'	1'	1'
TENSION WIRE HTS.	2'	4'	3'	4'

NOTES:

MAXIMUM POST SPACING: 10' ON CENTER

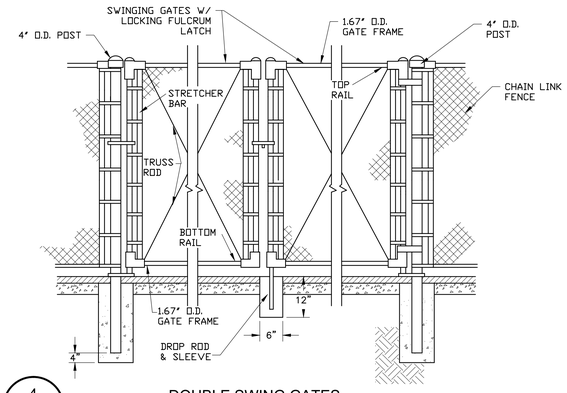
2 F2.03 — CHAIN LINK FENCING SCHEDULE

NOT TO SCALE



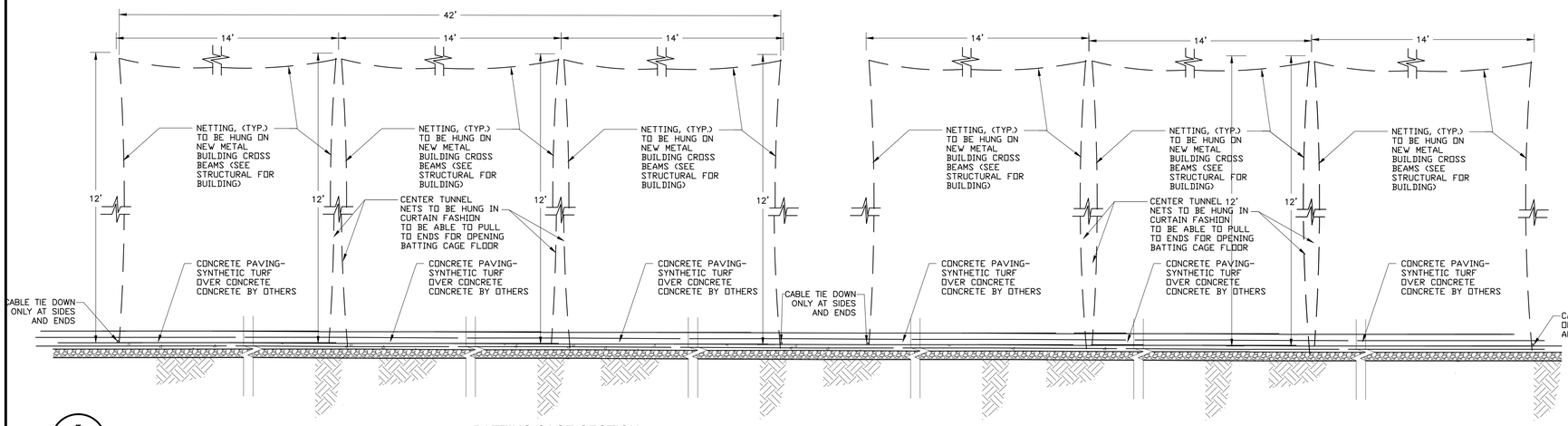
3 F2.03 — SINGLE SWING GATES

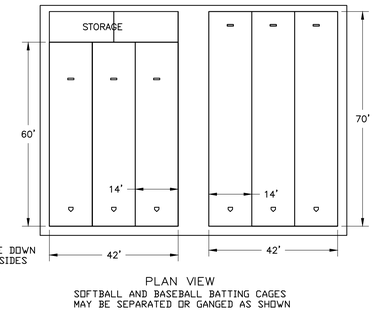
NOT TO SCALE



4 F2.03 — DOUBLE SWING GATES

NOT TO SCALE



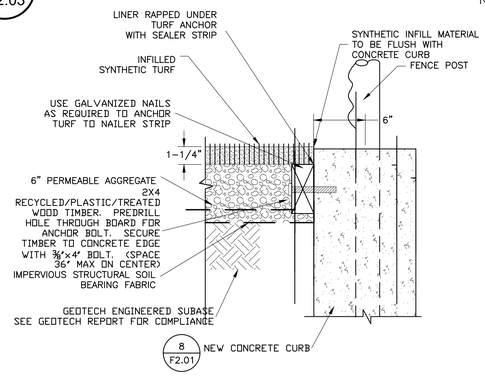


PLAN VIEW

SOFTBALL AND BASEBALL BATTING CAGES MAY BE SEPARATED OR GANGED AS SHOWN

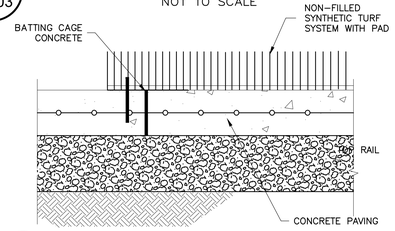
5 F2.03 — BATTING CAGE-SECTION

NOT TO SCALE



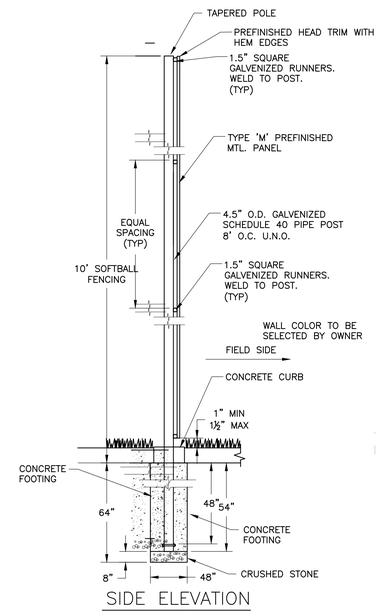
6 F2.03 — BASEBALL/SOFTBALL FENCE EDGE ANCHOR

NOT TO SCALE



7 F2.03 — BATTING CAGE DETAIL

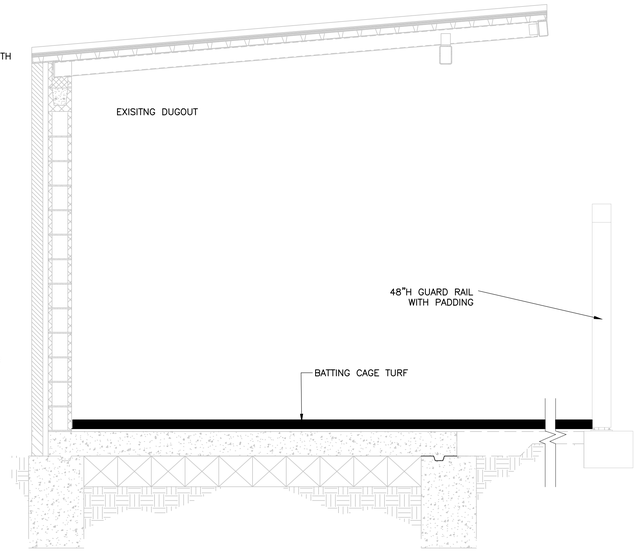
NOT TO SCALE



SIDE ELEVATION

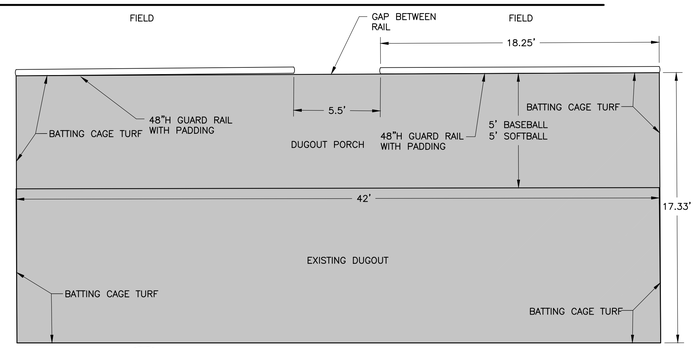
8 F2.03 — "M" PANEL STEEL FENCE SECTION

NOT TO SCALE



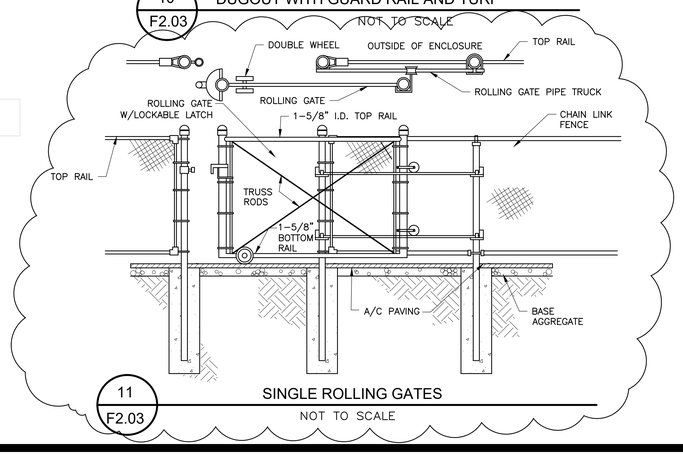
9 F2.03 — DUGOUT WITH GUARD RAIL AND BALL STOPPER

NOT TO SCALE



10 F2.03 — DUGOUT WITH GUARD RAIL AND TURF

NOT TO SCALE



11 F2.03 — SINGLE ROLLING GATES

NOT TO SCALE

Revision / ADDENDUM #1 — Date 4/28/25

Project:

LEGACY HIGH SCHOOL BB-SB RENOVATIONS FOR MANSFIELD I.S.D. MANSFIELD, TEXAS

Sports Design Group
7120 Langmuir Drive
McKinney, TX 75071
Office: 469-952-2060
Fax: 469-952-2059

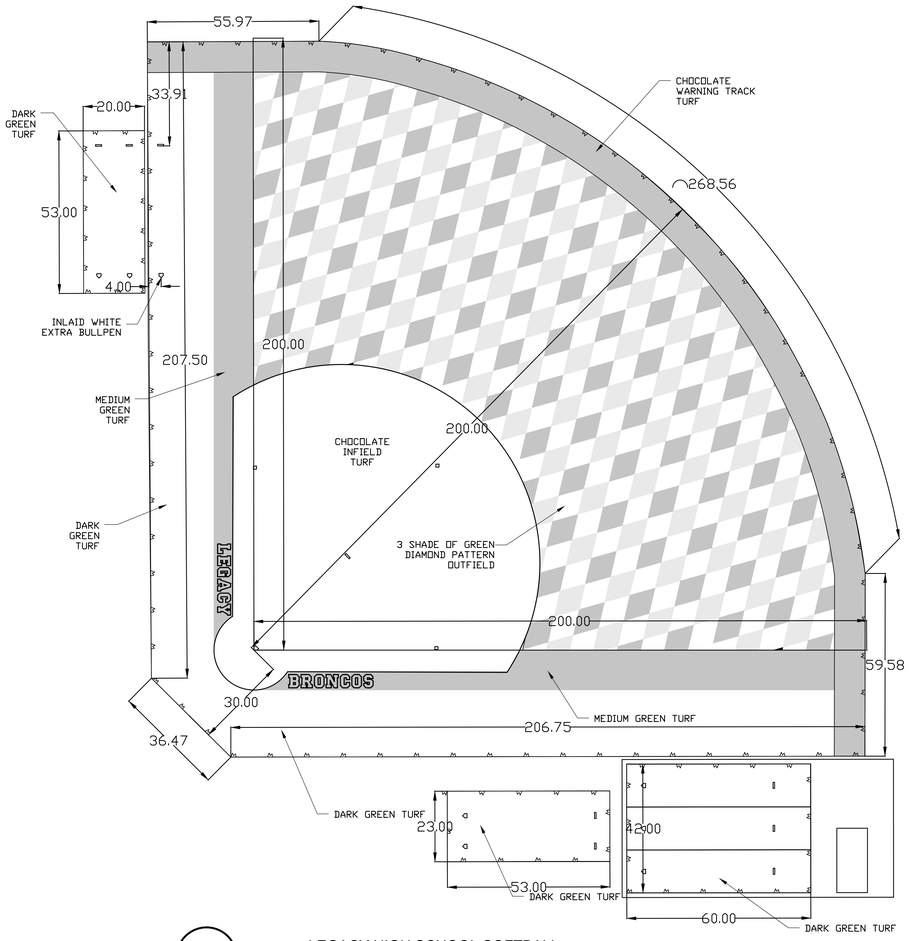
REGISTERED LANDSCAPE ARCHITECT — RICHARD G. McDONALD — 2364 — STATE OF TEXAS

DATE: 04/15/2025

Huckabee
www.huckabee-inc.com
800.687.1229

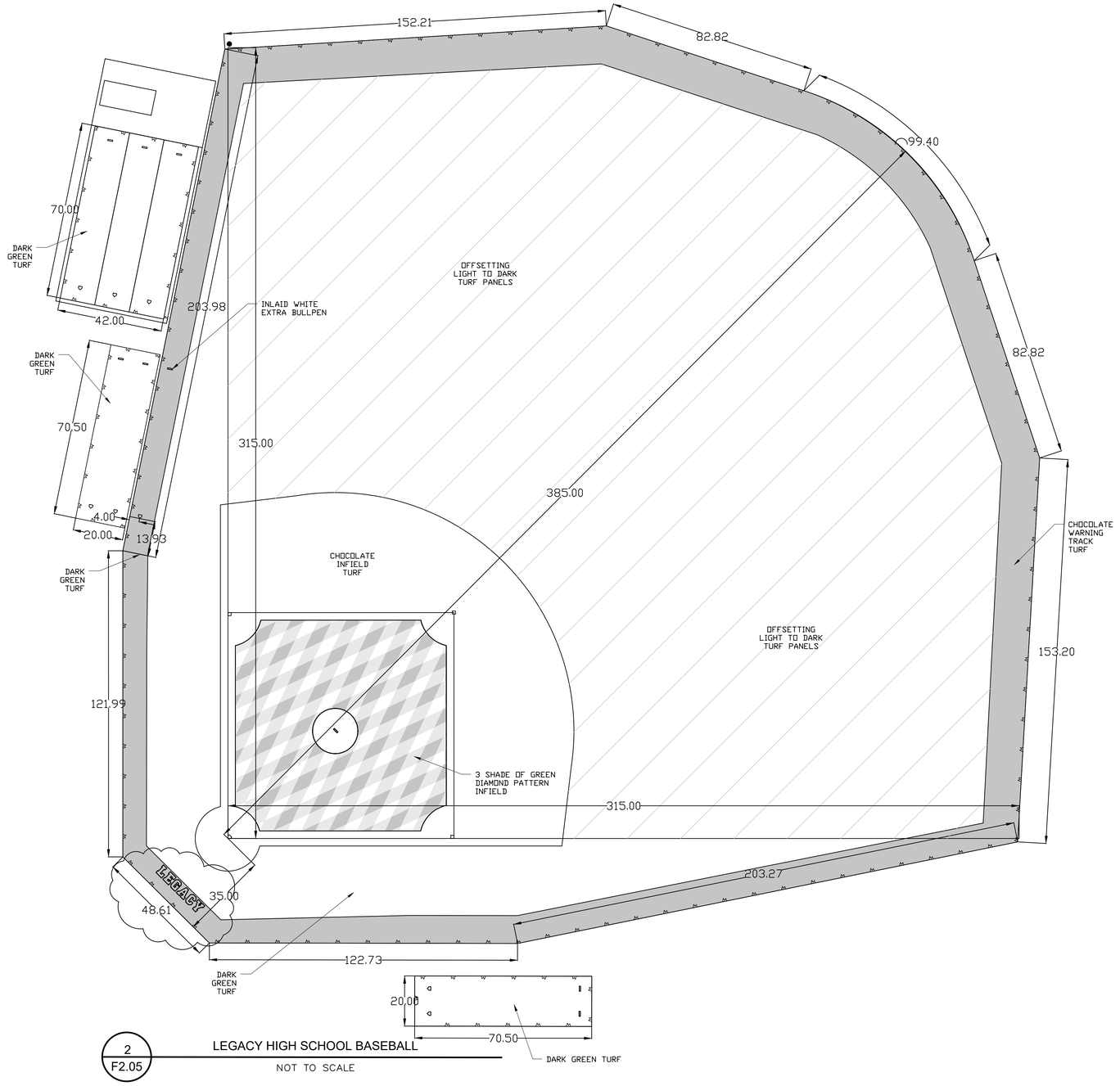
LEGACY HIGH SCHOOL BASEBALL & SOFTBALL FIELD FENCING DETAILS

Job No.	Sheet No.
1885-06-02	F2.03
Drawn By: RGM	
Date: 04/15/25	



1 F2.05 LEGACY HIGH SCHOOL SOFTBALL

NOT TO SCALE



2 F2.05 LEGACY HIGH SCHOOL BASEBALL

NOT TO SCALE

SYNTHETIC TURF NOTES:

1. INSTALL PITCHING PLATE AND HOMEPLATE IN SYNTHETIC TURF WITH IN THE CHAINLINK FENCE FOR THIRD BULLPEN. PROVIDE PORTABLE MOUND FOR EACH BASEBALL FIELD SITE.
2. INSTALL HEAVY WEIGHT BATTING CAGE TURF IN ALL BASEBALL AND SOFTBALL FIELD DUGOUTS.
3. INSTALL BATTERS BOXES FOR ALL BULLPEN HOME PLATES.
4. INSTALL HOME TEAM MASCOT NAME UP BOTH BASELINES BETWEEN HOME PLATE AND FIRST/THIRD BASE.
5. BASEBID:INSTALL OFFSETTING GREEN 15' PANELS FOR BOTH BASEBALL AND SOFTBALL OUTFIELD. INSTALL OFFSETTING GREEN 7.5 PANELS FOR BASEBALL INFIELD GRASS AREA. CHOCOLATE BROWN FOR INFIELD, MOUNDS AND WARNING TRACK TURF.
6. ALTERNATE: INSTALL 3 COLOR GREEN DIAMOND PATTERN IN SOFTBALL OUTFIELD INBETWEEN FOUL LINES AND 3 COLOR DIAMOND PATTERN IN BASEBALL INFIELD GRASS AREA.

3 F2.05 LEGACY HS LAYOUT

NOT TO SCALE

Revision / Date
ADDENDUM #1 4/28/25

Project:

LEGACY HIGH SCHOOL
BB-SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

Sports Design Group
7120 Langmuir Drive
McKinney, TX 75071
Office: 469-952-2060
Fax: 469-952-2059

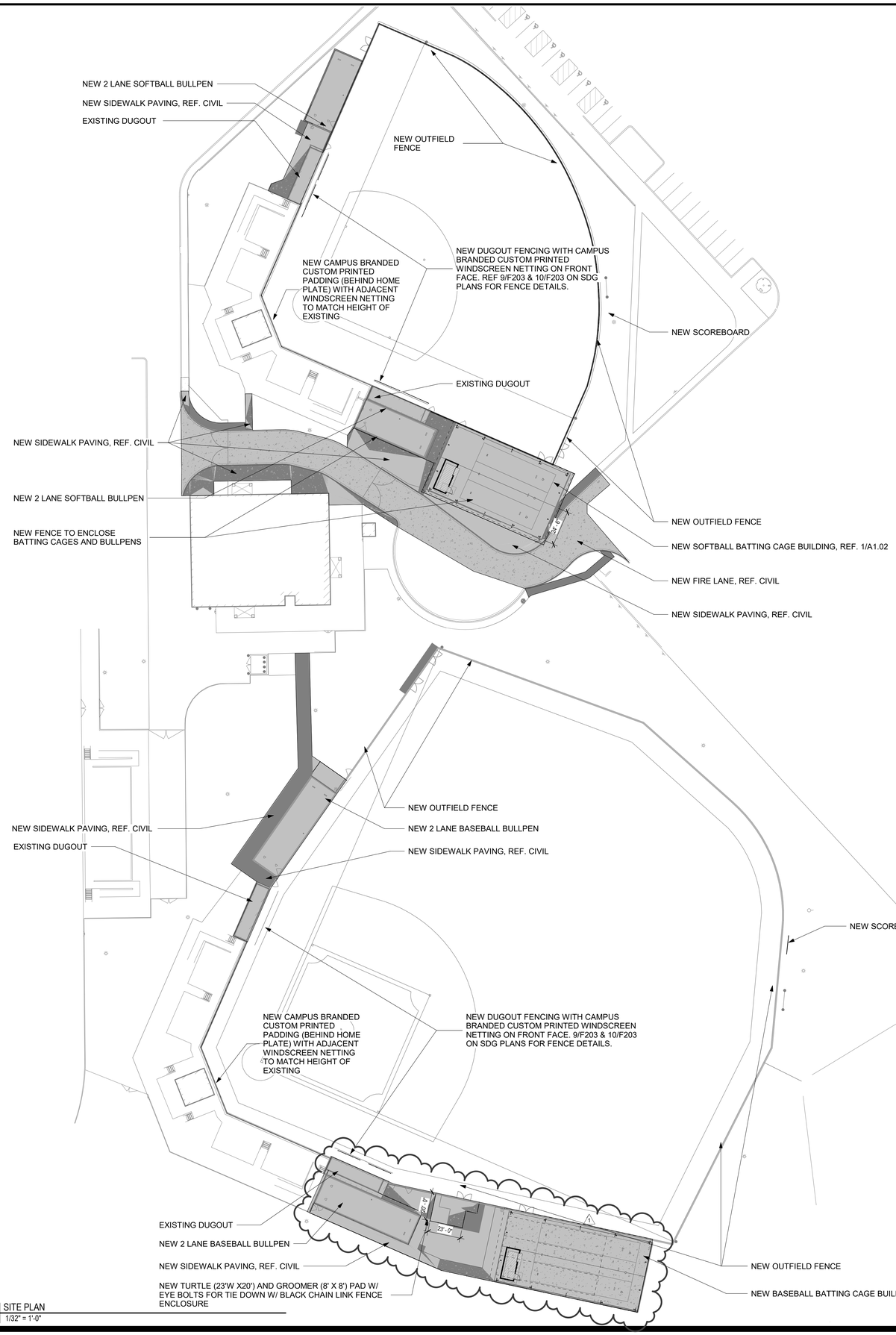
REGISTERED LANDSCAPE ARCHITECT
RICHARD G. MCDONALD
2364
STATE OF TEXAS

DATE: 04/15/2025

Huckabee
www.huckabee-inc.com
800.687.1229

LEGACY HIGH SCHOOL BASEBALL & SOFTBALL FIELD SYNTHETIC TURF PLAN

Job No.	Sheet No.
1885-06-02	F2.05
Drawn By: RGM	
Date: 04/15/25	



1 SITE PLAN
1/32" = 1'-0"

1. ALL SITE INFORMATION INCLUDING, BUT NOT LIMITED TO, PROPERTY LINES, METES & BOUNDS, CONTOURS, EXISTING BUILDINGS, EASEMENTS, TREES, WALKS, DRIVES, FENCES, ETC., TAKEN FROM SURVEY BY:

   LANGAN ENGINEERING & ENVIRONMENTAL SERVICES, LLC
   2999 OLYMPUS BLVD, SUITE 165
   DALLAS, TX 75019
   PHONE (817) 328-3200

2. HUCKABEE AND ASSOCIATES, INC. ALONG WITH THEIR CONSULTANTS HAVE LOCATED, SHOWN , AND NOTED EXISTING SITE FEATURES INCLUDING BUT NOT LIMITED TO PROPERTY LINES, METES AND BOUNDS, GRADE CONTOURS, EXISTING STRUCTURES, EASEMENTS, TREES, FENCES, ROADWAYS, OVERHEAD AND UNDERGROUND UTILITIES, AND OTHER EXISTING FEATURES TO THE BEST OF OUR ABILITY BASED UPON OWNER PROVIDED SURVEYS, EXISTING CONSTRUCTION DOCUMENTS AND OTHER EXISTING DATA COLLECTION IN REGARDS TO THE SPECIFIED SITE. HUCKABEE AND ASSOCIATES, INC. NOR THEIR CONSULTANTS SHALL ASSUME ANY RESPONSIBILITY OR LIABILITIES IN REGARD TO THE ACCURACY OF THE ABOVE MENTIONED OWNER PROVIDED DATA.
3. IF THE CONTRACTOR FINDS ANY DISCREPANCY BETWEEN EXISTING CONDITIONS AND THOSE WHICH ARE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY CONTACT THE ARCHITECT.
4. THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH ALL UTILITY ENTITIES TO LOCATE AND MARK ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.
6. FINISH GRADE AT PERIMETER OF THE BUILDING SHALL BE AS SHOWN ON SITE GRADING PLAN. REF. CIVIL DRAWINGS. SITE GRADES SHALL SLOPE UNIFORMLY AWAY FROM THE BUILDING AND INTERSECT WITH ELEVATIONS SHOWN.
7. REF. CIVIL DRAWINGS FOR ALL SITE DIMENSIONS
8. MAKE ALL SLOPES OF WALKS AND DRIVES COMPLY WITH FINISH ELEVATION SHOWN ON CIVIL DRAWINGS. THE LINE OF SLOPE SHALL FORM STRAIGHT LINES BETWEEN FINISH ELEVATIONS WHEN POSSIBLE AND GRADING CONTOURS WHEN STRAIGHT LINES ARE NOT POSSIBLE. VERIFY ALL ELEVATIONS AND DIMENSIONS WITH ARCHITECT ON JOB. REF. CIVIL.
9. ALL WALKS AND PLAZAS SHALL BE REINFORCED CONCRETE - REF. CIVIL FOR DETAILS. PROVIDE 1/2" EXPANSION JOINT AS SHOWN BY CIVIL OR AT 25'-0" O.C. MAX. AND AT ALL INSIDE CORNERS. PROVIDE TOOLED CONTROL JOINTS AT 5'-0" O.C.B.W. MAX OR AS SHOWN. SEE CIVIL FOR TYPICAL WALK AND JOINT DETAILS.
10. PROVIDE 1/2" EXPANSION JOINT ALONG BUILDING FOUNDATION OR BRICK WHERE CONCRETE WALK IS PRESENT. REF. CIVIL DRAWINGS FOR TYPICAL DETAIL.
11. PROVIDE 1/2" EXPANSION JOINT ALONG BACK OF CONCRETE CURB WHERE WALK IS PRESENT. REF. CIVIL DRAWINGS FOR CURB DETAILS
12. CONTRACTOR SHALL REMOVE ALL EXISTING OBSTRUCTIONS TO NEW CONSTRUCTION, PAVING, WALKS, AND ALL OTHER SITE IMPROVEMENTS INCLUDING BUT NOT LIMITED TO EXISTING TREES, FENCES, CONCRETE, ROCKS, DEBRIS, POSTS, VEGETATION, UTILITIES (AS NOTED), AND OTHER ITEMS AS NOTED FOR CONSTRUCTION.
13. REF. ELECTRICAL DRAWINGS FOR OUTDOOR LIGHTING REQUIREMENTS.
14. REF. CIVIL DRAWINGS FOR SITE GRADING PLAN, SITE UTILITY PLAN (INCLUDING FIRE HYDRANT LOCATIONS), EROSION CONTROL PLANS, AND CURB AND PAVING REQUIREMENTS AND DETAILS.
15. REF. CIVIL SHEETS FOR SITE GRADING CONTOURS. CONTRACTOR SHALL MAKE ALL CUTS AND FILLS REQUIRED TO ACCOMPLISH ALL WORK SHOWN. GRADE SITE TO TOLERANCES SPECIFIED.
16. REF. CIVIL DRAWINGS FOR THICKNESS AND LOCATIONS OF ALL TYPES OF PAVING.

GENERAL SITE NOTES

PROPERTY DESCRIPTION

1) OWNER INFORMATION

A. NAME : MANSFIELD ISD
B. ADDRESS: 605 EAST BROAD ST, MANSFIELD, TX 76063

2) PROPERTY INFORMATION

A. NAME: MANSFIELD LEGACY HIGH SCHOOL
B. ADDRESS: 1263 N MAIN ST, MANSFIELD, TX 76063

PROPERTY NOTES

Revision /	Date	
1	04/29/25	Addendum #01

Project:
LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

REGISTERED ARCHITECT
JOSHUA COCHRAN
78423
STATE OF TEXAS
04.29.25

Huckabee
www.huckabee-inc.com
800.687.1229

ARCHITECTURAL SITE PLAN

Job No.	Sheet No.
01885-06-02	AS1.01
Drawn By: MS	
Date: 04/15/25	

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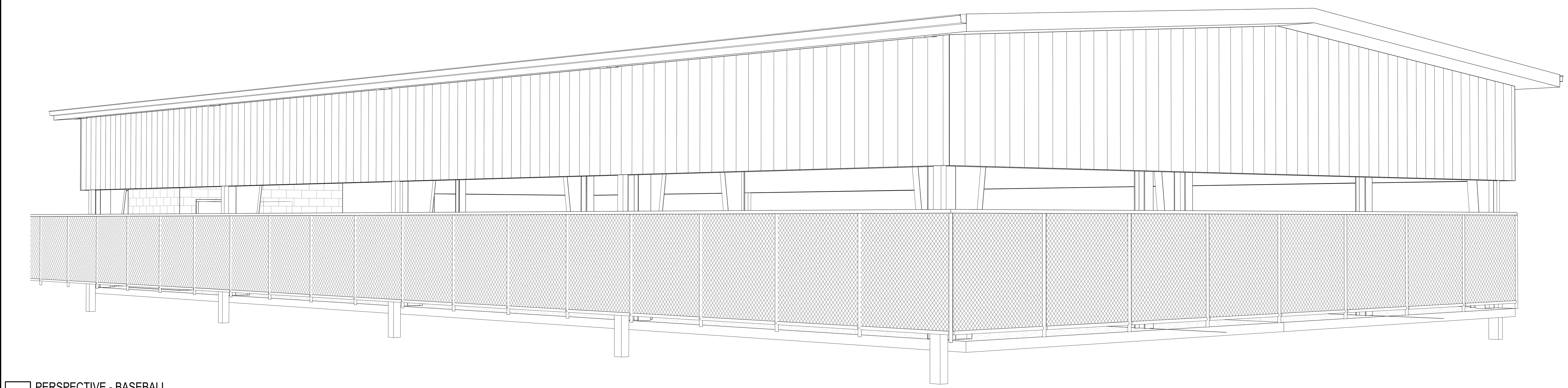
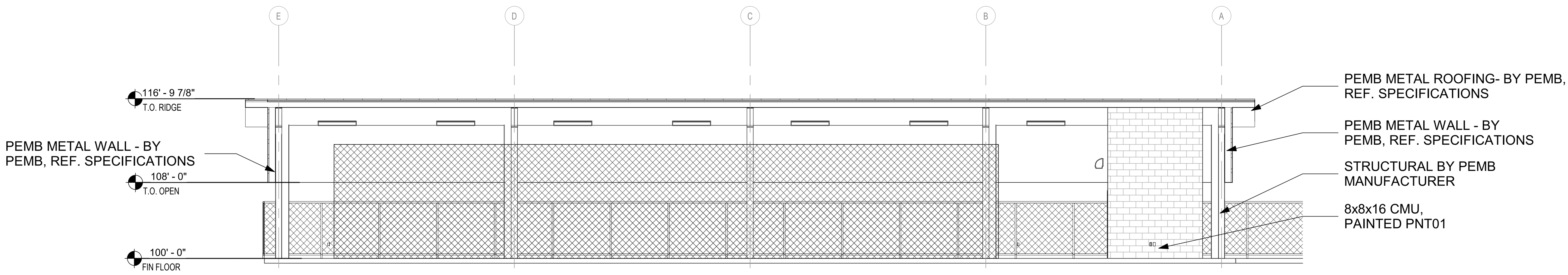
Autodesk Docs://MANSFIELD ISD - LHS BB SB TURF BATTING/MANSFIELD ISD - LHS BB SB TURF BATTING.rvt

KEY	MATERIAL	MANUFACTURER	COLOR/NUMBER	COMMENTS
PNT01	PAINT	SHERWIN WILLIAMS	DOMINO SW 6989	BATTING CAGE CMU
PNT02	PAINT	SHERWIN WILLIAMS	BILLIARD GREEN SW 0016	BATTING CAGE
PNT03	PAINT	SHERWIN WILLIAMS	REAL RED SW 6868	DUGOUT CANOPY, METAL SCREEN AND SUPPORTS

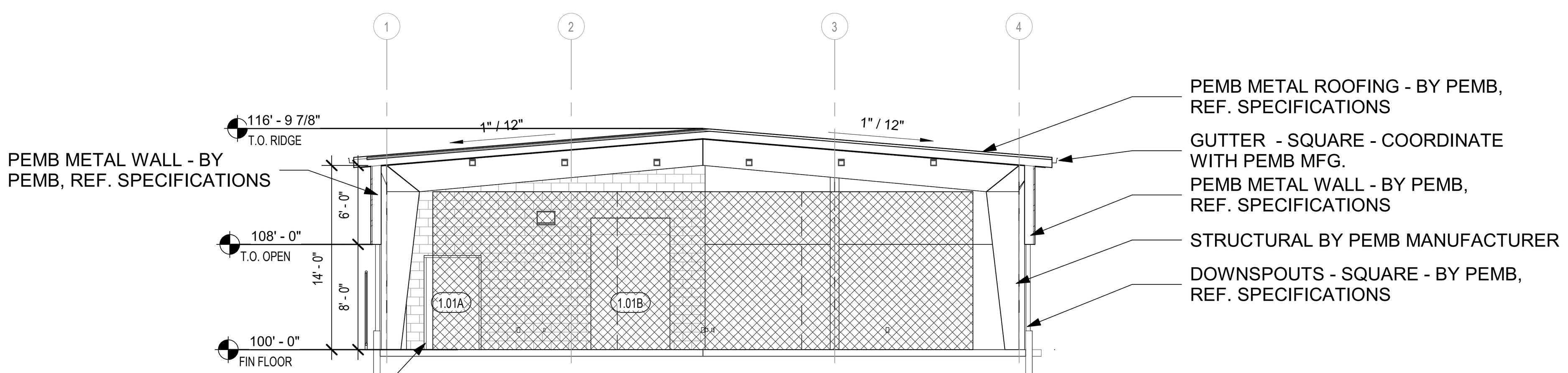
PAINTING AND COATING



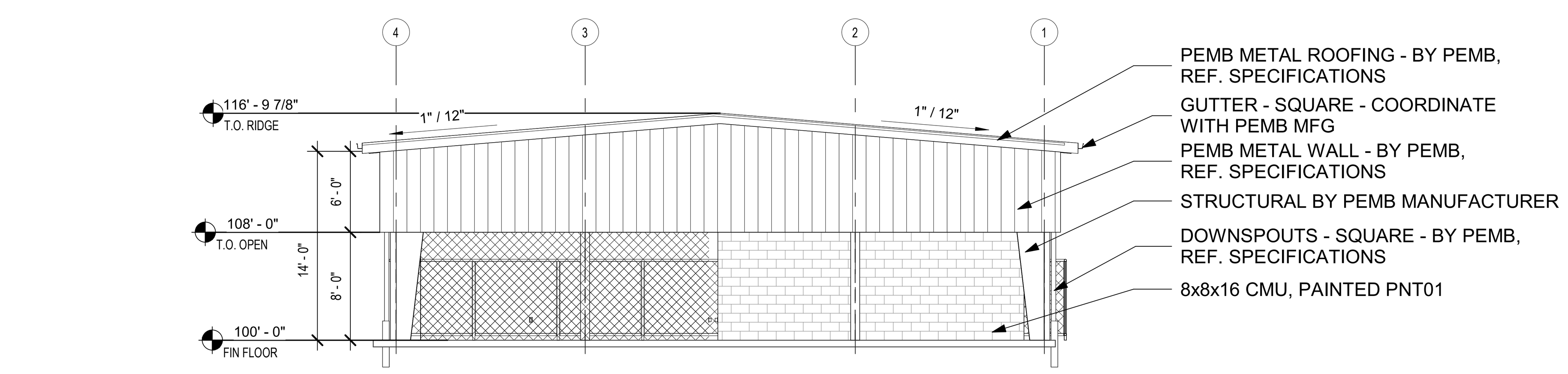
6 PERSPECTIVE - BASEBALL



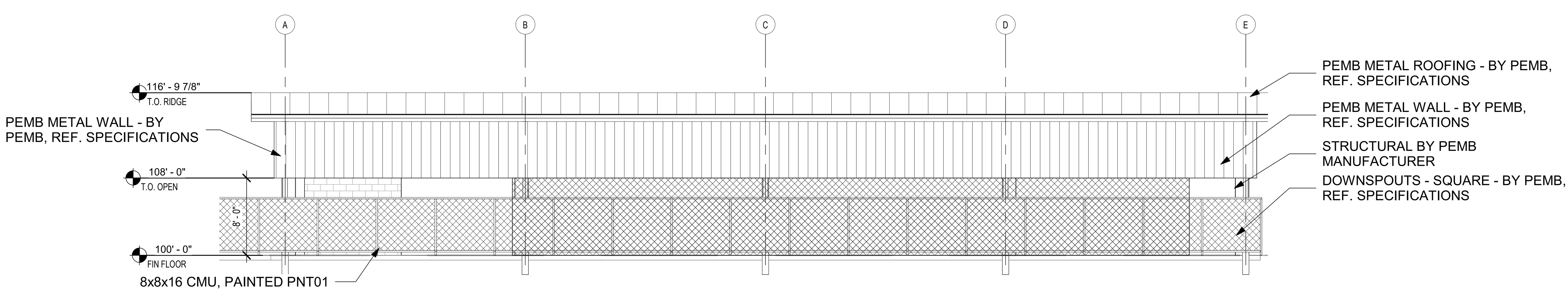
5 SECTION - BASEBALL
1/8" = 1'-0"



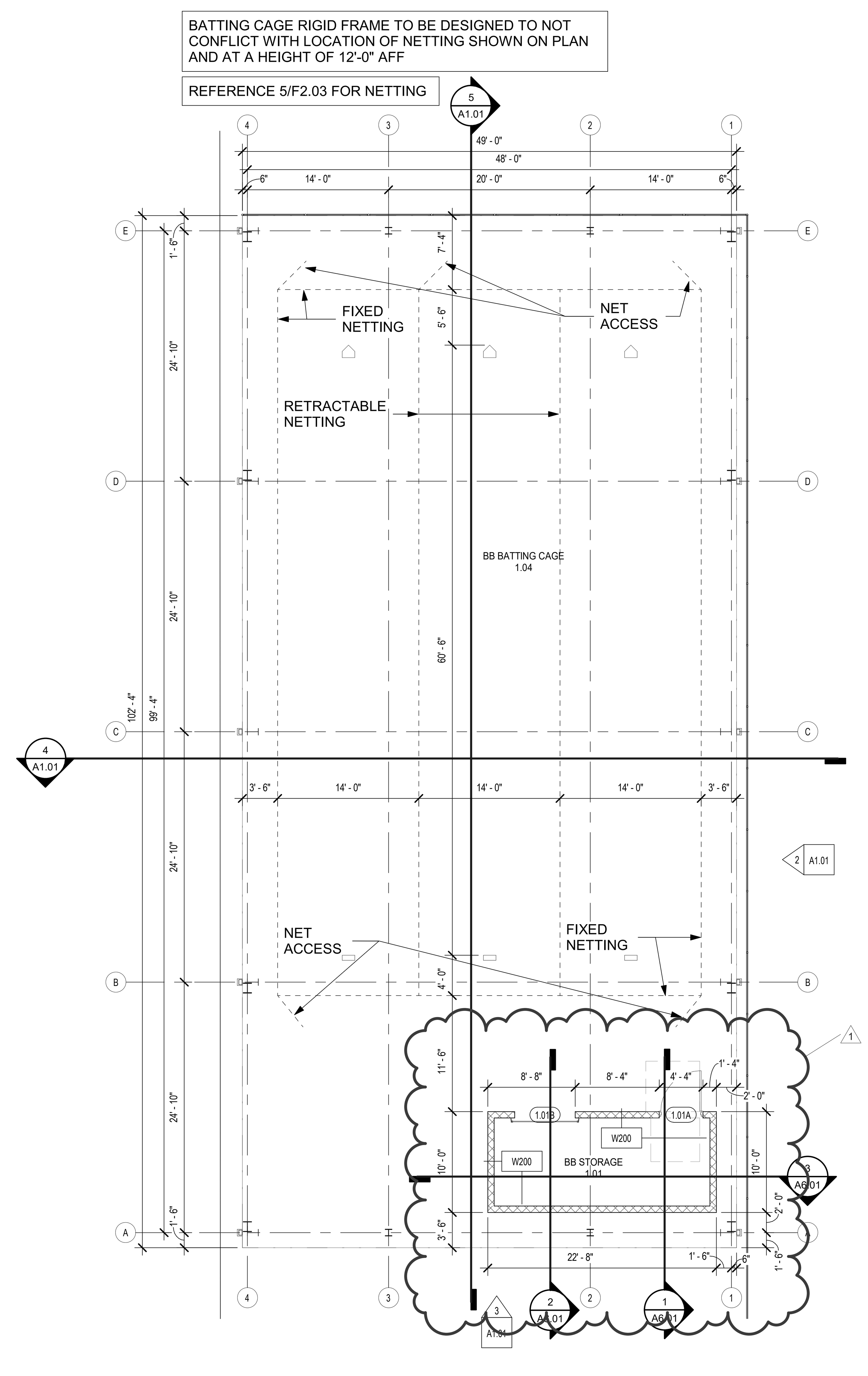
4 SECTION - BASEBALL
1/8" = 1'-0"



3 ELEVATION - BASEBALL
1/8" = 1'-0"



2 ELEVATION - BASEBALL
1/8" = 1'-0"



1 FLOOR PLAN - BASEBALL BATTING CAGES
1/8" = 1'-0"

THE MASTER FLOOR PLAN SHOWS THE OVERALL BUILDING CONFIGURATION AND THE RELATIONSHIP OF THE PLAN AREAS WHICH FOLLOW. REFER TO LARGER SCALE FLOOR PLANS AND PLAN DETAILS FOR ADDITIONAL INFORMATION AND CONSTRUCTION REQUIREMENTS. MASTER PLAN LEGENDS ALSO APPLY TO 1/8" SCALE FLOOR PLAN AREAS.

MASTER FLOOR PLAN

NOTES:

1. THE CONTRACT DOCUMENTS ARE COMPRISED OF BOTH THE DRAWINGS AND THE SPECIFICATIONS.
2. ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF C.F.M.F, MASONRY OR CONCRETE, U.N.O.
3. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. SEE SPECIFICATIONS AND G3 SHEETS FOR ADDITIONAL MASONRY AND CFMF PARTITION REQUIREMENTS.
5. SEE PLUMBING PLANS AND ENLARGED FLOOR PLANS FOR LOCATIONS OF FIXTURES.
6. REF. DOOR SCHEDULES AND DETAILS FOR MASONRY ROUGH OPENING SIZES.
7. VERIFY ALL MASONRY OPENINGS WITH MANUFACTURERS' PRODUCTS (E.G. FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, ETC.).
8. PROVIDE WD. BLOCKING IN ALL GYP. BD. WALLS AS REQ'D. AT LOCATIONS INCLUDING, BUT NOT LIMITED TO: HANDRAILS, TOILET ACCESSORIES, PROJECTORS, CASEWORK, TACK BD.'S, MARKER BD.'S, WALL STOPS & DOOR HOLDERS.
9. CONTRACTOR TO REMOVE AND DELIVER TO OWNER ANY MISD/CAMPUS BRANDED ELEMENTS EXISTING AT THE DUGOUTS OR FIELDS.

GENERAL FLOOR PLAN NOTES

F.E. — **FIRE EXTINGUISHER (WALL MOUNTED)** - REF. SPEC. SECT. 10 4400. PROVIDE TYPE "K" @ KITCHEN AREAS

F.E.C. — **FIRE EXTINGUISHER CABINET** - REF. SPEC. SECT. 10 4400. PROVIDE TYPE "K" @ KITCHEN AREAS

1.01 — **DOOR ASSEMBLY NUMBER** - REF. SCHEDULE ON A3 SHTS.

SF-A — **WINDOW/STOREFRONT/CURTAIN WALL ASSEMBLY TYPE** - REF. A3 SHTS.

SO1.01 — **SPECIAL OPENING NUMBER (ROLLING DOOR)** - REF. SCHEDULE ON A3 SHTS.

1 / A1.1 — **CALLOUT REFERENCE**

SIM 1 / A101 — **WALL SECTION REFERENCE** XX / A101

XXX' - X" FIN FLOOR — **ELEVATION REFERENCE**

1-01 ROOM — **ROOM NUMBER & NAME**

FLOOR PLAN LEGEND

APPLIES TO SECTION PLANS

REF. TYP. CONST. DTLS. FOR ADDITIONAL INFO.

MASONRY VENEER

STANDARD CMU

ARCHITECTURAL CMU (ACMU)

PARTITION TYPE TAGS

A3 | D

WALL ASSEMBLY IN PLAN VIEW

LETTERS TO THE RIGHT INDICATE PARTITION HEIGHT, FIRE RATING AND ACOUSTICAL PROPERTIES.

- D WALL TO DECK / STRUCTURE
- FR FIRE RATED WALL TO DECK
- SR SMOKE RESISTANT PARTITION

LETTER & NUMBER TO THE LEFT INDICATE PARTITION TYPE & STUD OR CMU SIZE AS FOLLOWS:

- 1 - 7/8" HAT CHANNEL
- 2 - 1 5/8" CFMF
- 3 - 2 1/2" CFMF
- 4 - 3 5/8" CFMF OR CMU
- 6 - 6" CFMF OR 5 5/8" CMU
- 8 - 8" CFMF OR 7 5/8" CMU
- 10 - 9 5/8" CMU
- 12 - 11 5/8" CMU

PARTITION NOTES:

1. ALL INTERIOR PARTITIONS NOT OTHERWISE DESCRIBED BY A WALL SECTION ARE IDENTIFIED BY A SYMBOL WITH AN ALPHANUMERIC CODE INDICATING MATERIALS (BY LETTER), NOMINAL THICKNESS OF STRUCTURE (BY NUMBER) AND AN ALPHANUMERIC CODE REPRESENTING HEIGHT, FIRE RATING AND ACOUSTICAL PROPERTIES.
2. **UNTAGGED PARTITIONS AND COLUMN FURRINGS** SHOULD BE ASSUMED TO BE **"TYPICAL"** FOR BIDDING PURPOSES. THE "TYPICAL" **GYP BOARD PARTITION** IS TYPE **H4**, ACOUSTICAL, TO DECK, AND THE "TYPICAL" GYP BOARD **COLUMN FURRING** AND CHASES IS **M4**, NON-ACOUSTICAL, TO 6" ABOVE CEILING U.N.O.
3. THE "TYPICAL" **MASONRY PARTITION** IS TYPE **A8**, NON-ACOUSTICAL, TO EXTEND 4" ABOVE CEILING OR NEAREST 8" COURSING ABOVE CEILING. AND THE "TYPICAL" **MASONRY COLUMN** FURRING IS **A6**, NON-ACOUSTICAL, TO EXTEND 4" ABOVE CEILING OR NEAREST 8" COURSING ABOVE CEILING. ANY UNTAGGED PARTITIONS WHICH APPEAR TO BE INCONSISTENT WITH THESE "TYPICAL" DESCRIPTIONS SHOULD BE VERIFIED WITH THE ARCHITECT PRIOR TO CONSTRUCTION.

REF. G3 SHEETS FOR EXTERIOR WALL TYPES AND INTERIOR PARTITION TYPE ASSEMBLIES.

PARTITION LEGEND

BATTING CAGE FINISH NOTES

1. ALL PEMB STRUCTURAL FRAMING TO BE PAINTED PNT02.
2. PEMB METAL WALL PANEL TO BE DRAK GREEN, PROVIDE SAMPLES FOR FINAL SELECTION BY OWNER/ARCHITECT.
3. PEMB METAL ROOF PANELS TO BE DARK GREEN.
4. CMU WALLS TO BE PAINTED PNT01.

BATTING CAGE FINISH NOTES

Revision /	Date	
1	04/29/25	Addendum #01

Project:

LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

REGISTERED ARCHITECT — STATE OF TEXAS — 28423 — 04.29.25

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MASTER FLOOR PLAN - BASEBALL

Job No. 01885-06-02
Drawn By: PC
Date: 04/15/25

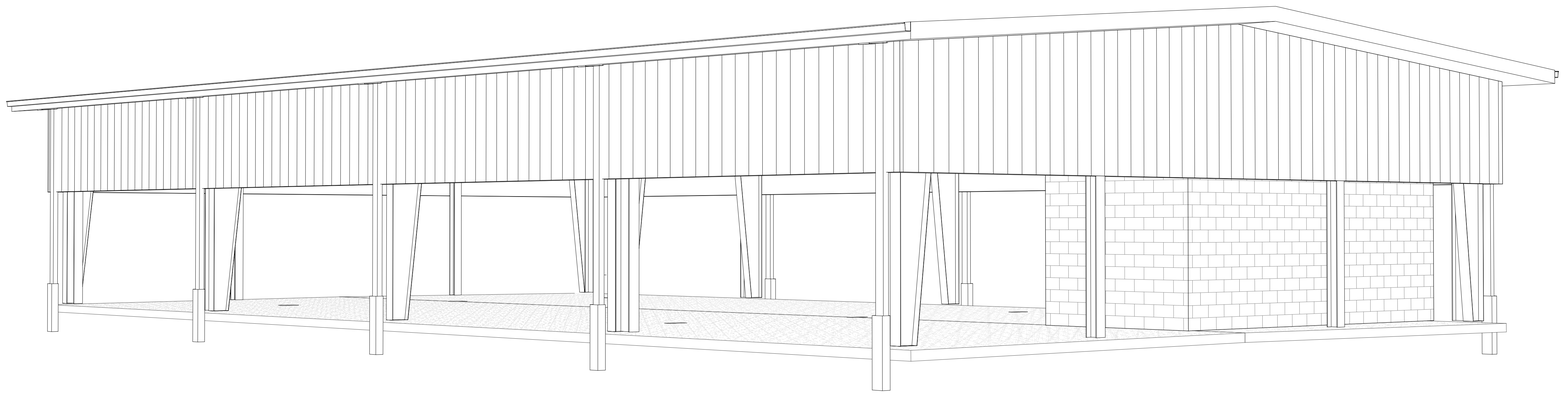
Sheet No. A1.01

Autodesk Docs://MANSFIELD ISD - LHS BB SB TURF BATTING/MANSFIELD ISD - LHS BB SB TURF BATTING.rvt

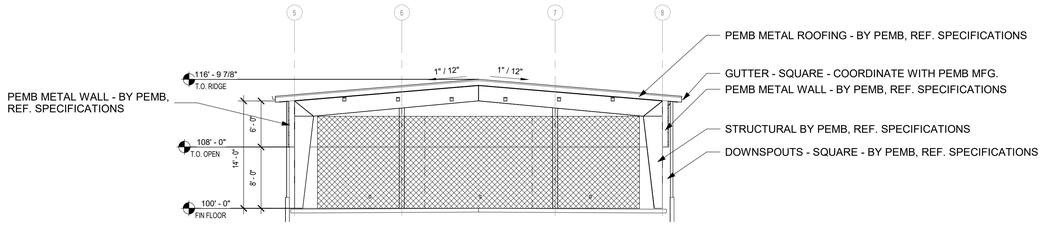
4/29/2025 3:04:20 PM

PAINTING AND COATING

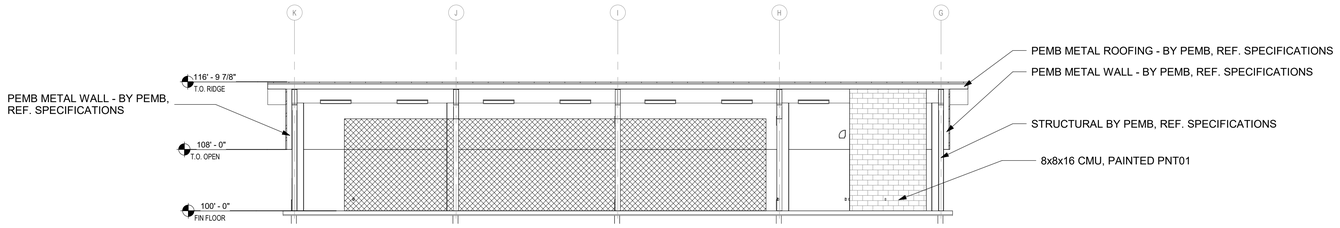
KEY	MATERIAL	MANUFACTURER	COLOR/NUMBER	COMMENTS
PNT01	PAINT	SHERWIN WILLIAMS	DOMINO SW 6989	BATTING CAGE CMU
PNT02	PAINT	SHERWIN WILLIAMS	BILLIARD GREEN SW 0016	BATTING CAGE
PNT03	PAINT	SHERWIN WILLIAMS	REAL RED SW 6868	DUGOUT CANOPY, METAL SCREEN AND SUPPORTS



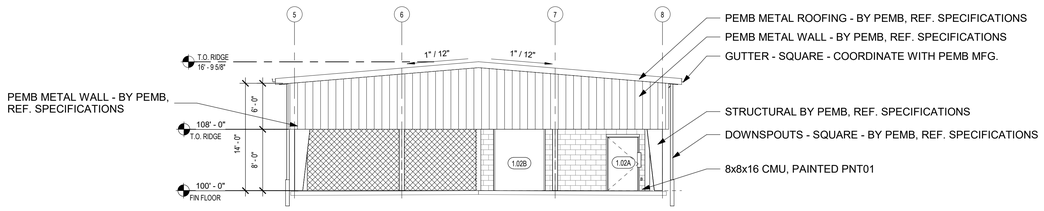
2 SOFTBALL PERSPECTIVE



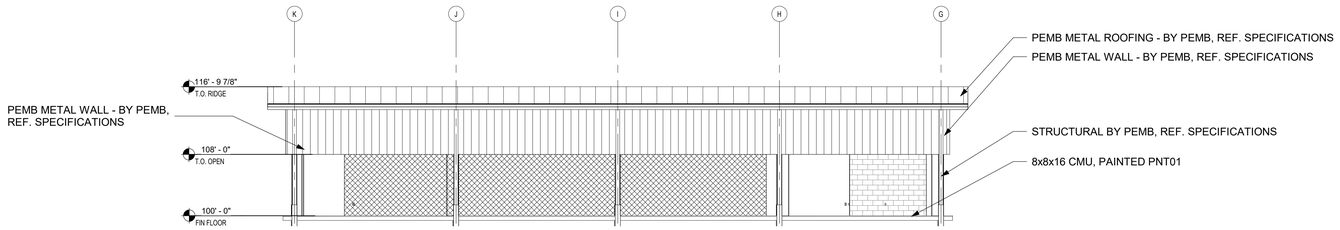
6 SB BUILDING SECTION SHORT
1/8" = 1'-0"



5 SB BUILDING SECTION LONG
1/8" = 1'-0"



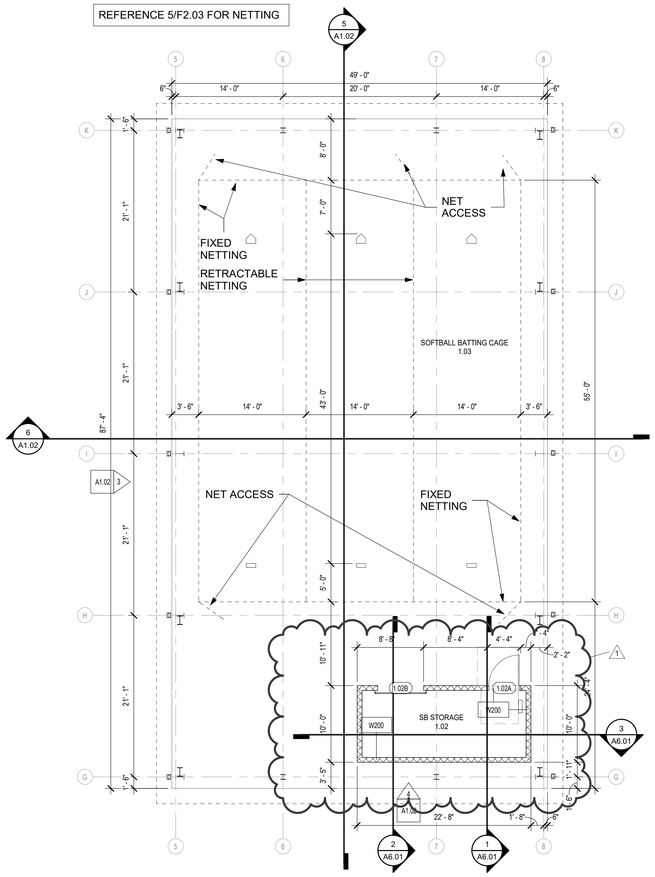
4 SB SHORT ELEVATION
1/8" = 1'-0"



3 SB LONG ELEVATION
1/8" = 1'-0"

BATTING CAGE RIGID FRAME TO BE DESIGNED TO NOT CONFLICT WITH LOCATION OF NETTING SHOWN ON PLAN AND AT A HEIGHT OF 12'-0" AFF

REFERENCE 5/F2.03 FOR NETTING



1 FLOOR PLAN - SOFTBALL BATTING CAGES
1/8" = 1'-0"

THE MASTER FLOOR PLAN SHOWS THE OVERALL BUILDING CONFIGURATION AND THE RELATIONSHIP OF THE PLAN AREAS WHICH FOLLOW. REFER TO LARGER SCALE FLOOR PLANS AND PLAN DETAILS FOR ADDITIONAL INFORMATION AND CONSTRUCTION REQUIREMENTS. MASTER PLAN LEGENDS ALSO APPLY TO 1/8" SCALE FLOOR PLAN AREAS.

MASTER FLOOR PLAN

NOTES:

1. THE CONTRACT DOCUMENTS ARE COMPRISED OF BOTH THE DRAWINGS AND THE SPECIFICATIONS.
2. ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF C.F.M.F, MASONRY OR CONCRETE, U.N.O.
3. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
4. SEE SPECIFICATIONS AND G3 SHEETS FOR ADDITIONAL MASONRY AND CFMF PARTITION REQUIREMENTS.
5. SEE PLUMBING PLANS AND ENLARGED FLOOR PLANS FOR LOCATIONS OF FIXTURES.
6. REF. DOOR SCHEDULES AND DETAILS FOR MASONRY ROUGH OPENING SIZES.
7. VERIFY ALL MASONRY OPENINGS WITH MANUFACTURERS' PRODUCTS (E.G. FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, ETC.).
8. PROVIDE WD. BLOCKING IN ALL GYP. BD. WALLS AS REQ'D. AT LOCATIONS INCLUDING, BUT NOT LIMITED TO: HANDRAILS, TOILET ACCESSORIES, PROJECTORS, CASEWORK, TACK BD.'S, MARKER BD.'S, WALL STOPS & DOOR HOLDERS.
9. CONTRACTOR TO REMOVE AND DELIVER TO OWNER ANY MISD/CAMPUS BRANDED ELEMENTS EXISTING AT THE DUGOUTS OR FIELDS.

GENERAL FLOOR PLAN NOTES

FIRE EXTINGUISHER (WALL MOUNTED) - REF. SPEC. SECT. 10 4400. PROVIDE TYPE "K" @ KITCHEN AREAS (F.E.)

FIRE EXTINGUISHER CABINET - REF. SPEC. SECT. 10 4400. PROVIDE TYPE "K" @ KITCHEN AREAS (F.E.C.)

DOOR ASSEMBLY NUMBER - REF. SCHEDULE ON A3 SHTS. (1.01)

WINDOW/STOREFRONT/CURTAIN WALL ASSEMBLY TYPE - REF. A3 SHTS. (SF-A)

SPECIAL OPENING NUMBER (ROLLING DOOR) - REF. SCHEDULE ON A3 SHTS. (SO1.01)

1 / A1.1 — **CALLOUT REFERENCE**

1 / A101 SIM — **WALL SECTION REFERENCE** XX / A101

XXX' - X" FIN FLOOR — **ELEVATION REFERENCE**

1-01 ROOM — **ROOM NUMBER & NAME**

FLOOR PLAN LEGEND
APPLIES TO SECTION PLANS

REF. TYP. CONST. DTLS. FOR ADDITIONAL INFO.

MASONRY VENEER

STANDARD CMU

ARCHITECTURAL CMU (ACMU)

PARTITION TYPE TAGS

A3 | D

WALL ASSEMBLY'N PLAN VIEW

LETTERS TO THE RIGHT INDICATE PARTITION HEIGHT, FIRE RATING AND ACOUSTICAL PROPERTIES.

- D — WALL TO DECK / STRUCTURE
- FR — FIRE RATED WALL TO DECK
- SR — SMOKE RESISTANT PARTITION

LETTER & NUMBER TO THE LEFT INDICATE PARTITION TYPE & STUD OR CMU SIZE AS FOLLOWS:

- 1 - 7/8" HAT CHANNEL
- 2 - 1 5/8" CFMF
- 3 - 2 1/2" CFMF
- 4 - 3 5/8" CFMF OR CMU
- 6 - 6" CFMF OR 5 5/8" CMU
- 8 - 8" CFMF OR 7 5/8" CMU
- 10 - 9 5/8" CMU
- 12 - 11 5/8" CMU

PARTITION NOTES:

1. ALL INTERIOR PARTITIONS NOT OTHERWISE DESCRIBED BY A WALL SECTION ARE IDENTIFIED BY A SYMBOL WITH AN ALPHANUMERIC CODE INDICATING MATERIALS (BY LETTER); NOMINAL THICKNESS OF STRUCTURE (BY NUMBER) AND AN ALPHANUMERIC CODE REPRESENTING HEIGHT, FIRE RATING AND ACOUSTICAL PROPERTIES.
2. **UNTAGGED PARTITIONS AND COLUMN FURRINGS** SHOULD BE ASSUMED TO BE **"TYPICAL"** FOR BIDDING PURPOSES. THE "TYPICAL" **GYP BOARD PARTITION** IS TYPE **N4**, ACOUSTICAL, TO DECK, AND THE "TYPICAL" GYP BOARD **COLUMN FURRING** AND CHASES IS **M4**, NON-ACOUSTICAL, TO 6" ABOVE CEILING U.N.O.
3. THE "TYPICAL" **MASONRY PARTITION** IS TYPE **A8**, NON-ACOUSTICAL TO EXTEND 4" ABOVE CEILING OR NEAREST 8" COURSING ABOVE CEILING. AND THE "TYPICAL" **MASONRY COLUMN** FURRING IS **A6**, NON-ACOUSTICAL, TO EXTEND 4" ABOVE CEILING OR NEAREST 8" COURSING ABOVE CEILING. ANY UNTAGGED PARTITIONS WHICH APPEAR TO BE INCONSISTENT WITH THESE "TYPICAL" DESCRIPTIONS SHOULD BE VERIFIED WITH THE ARCHITECT PRIOR TO CONSTRUCTION.

REF. G3 SHEETS FOR EXTERIOR WALL TYPES AND INTERIOR PARTITION TYPE ASSEMBLIES.

PARTITION LEGEND

Revision /	Date	
1	04/29/25	Addendum #01

LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

Project:

REGISTERED ARCHITECT
JOSHUA A. COGBURN
28423
STATE OF TEXAS
04.29.25

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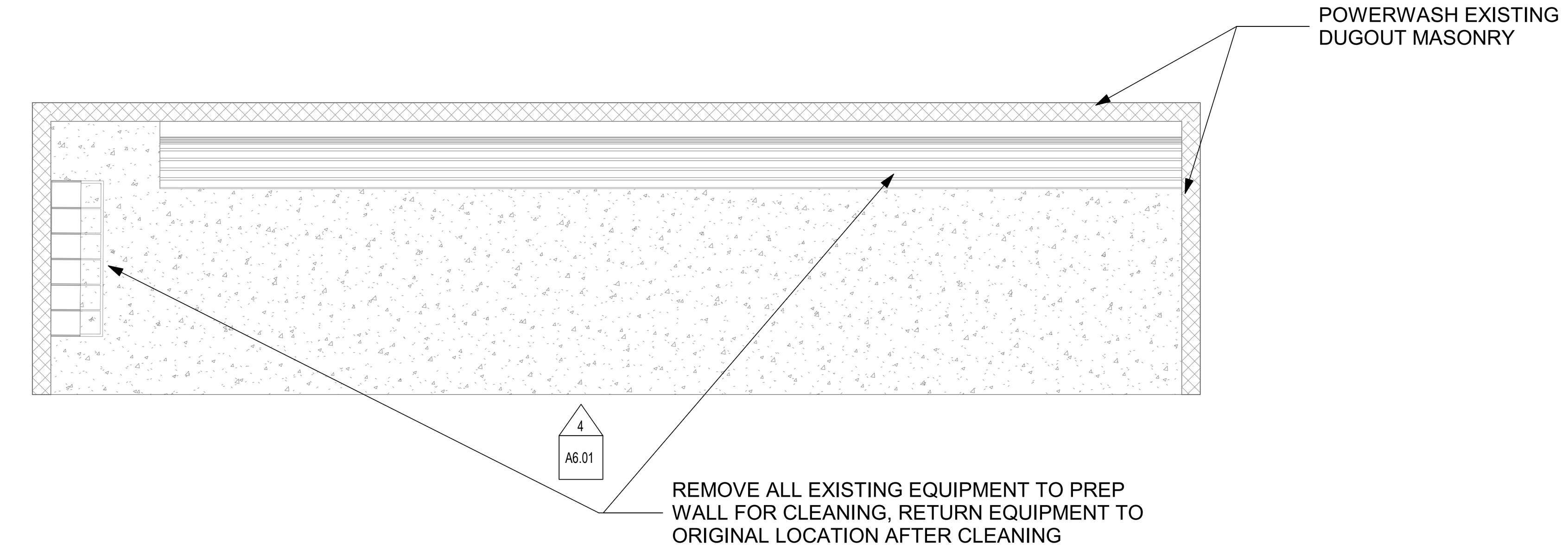
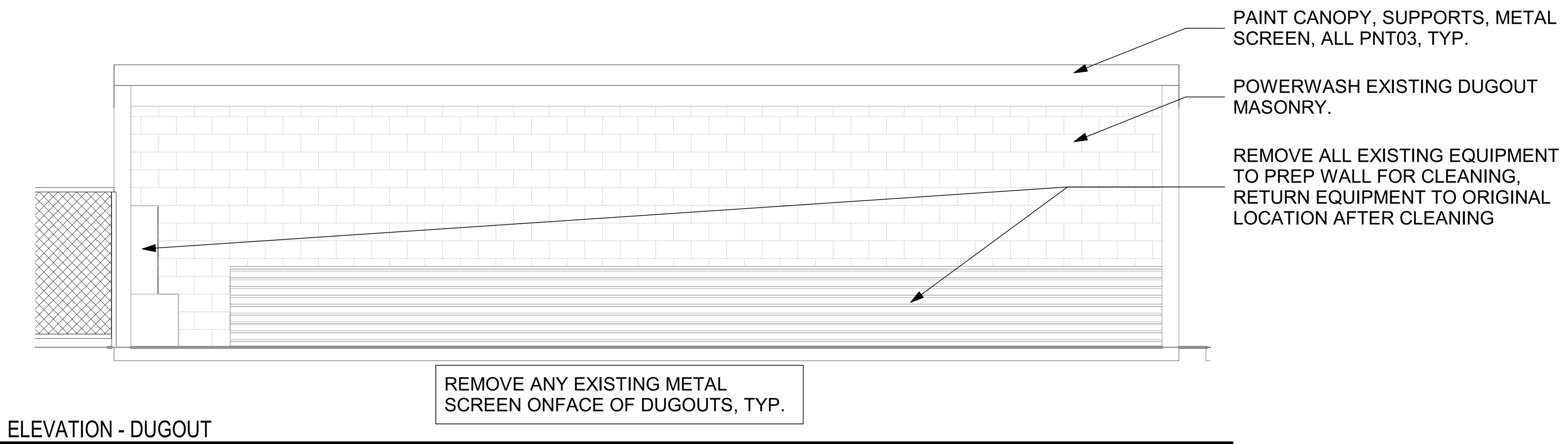
MASTER FLOOR PLAN - SOFTBALL

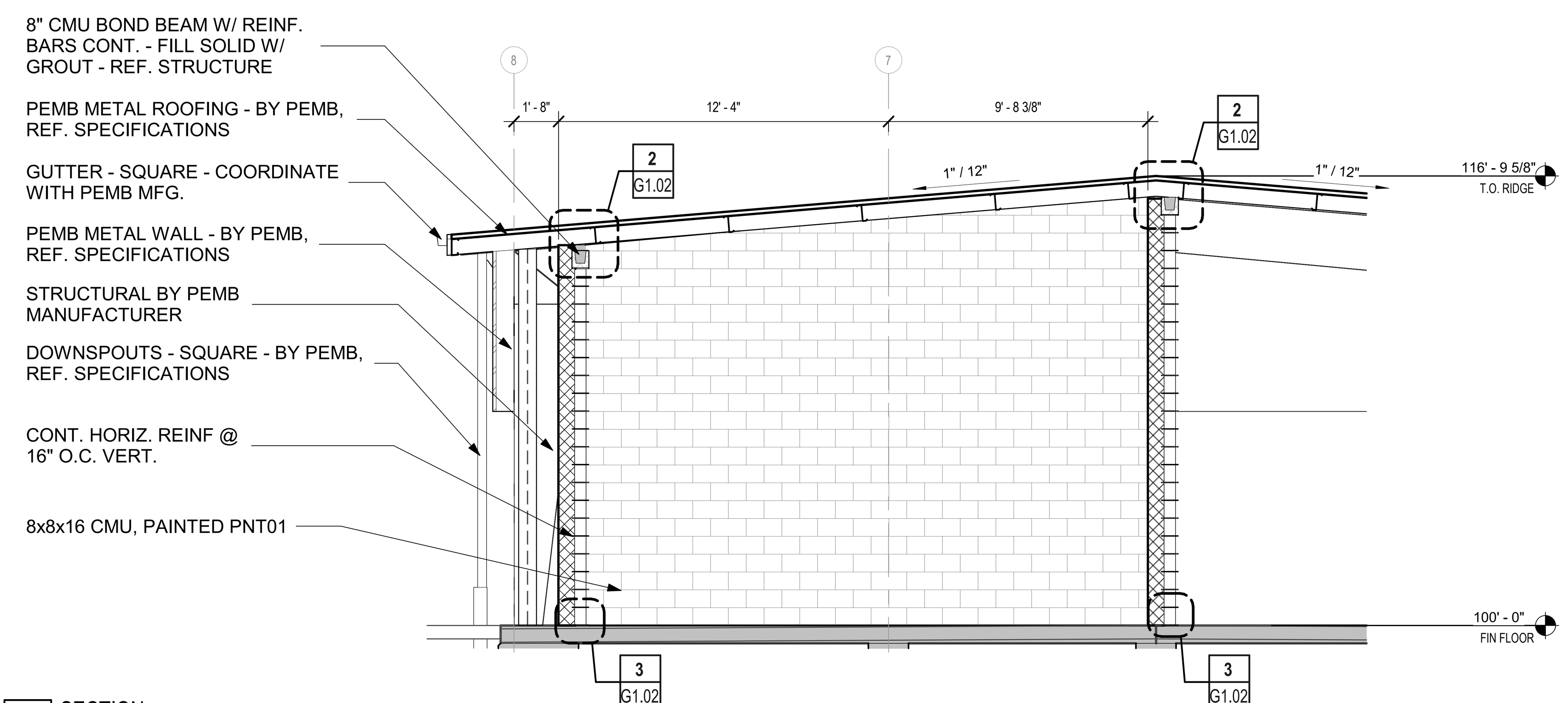
Job No.	Sheet No.
01885-06-02	A1.02
Drawn By: MS	
Date: 04/15/25	



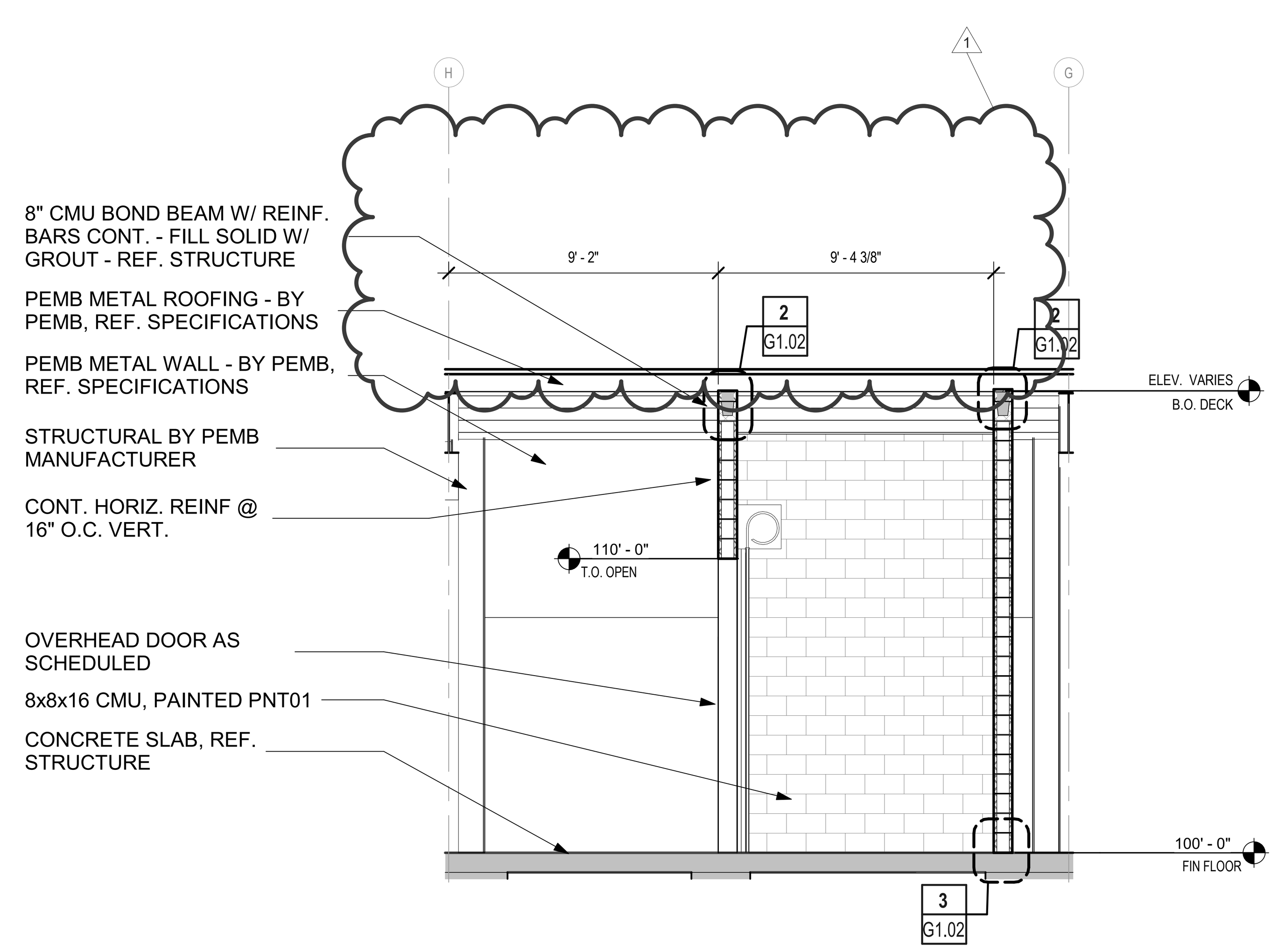
5 FLOOR PLAN - DUGOUT
1/4" = 1'-0"



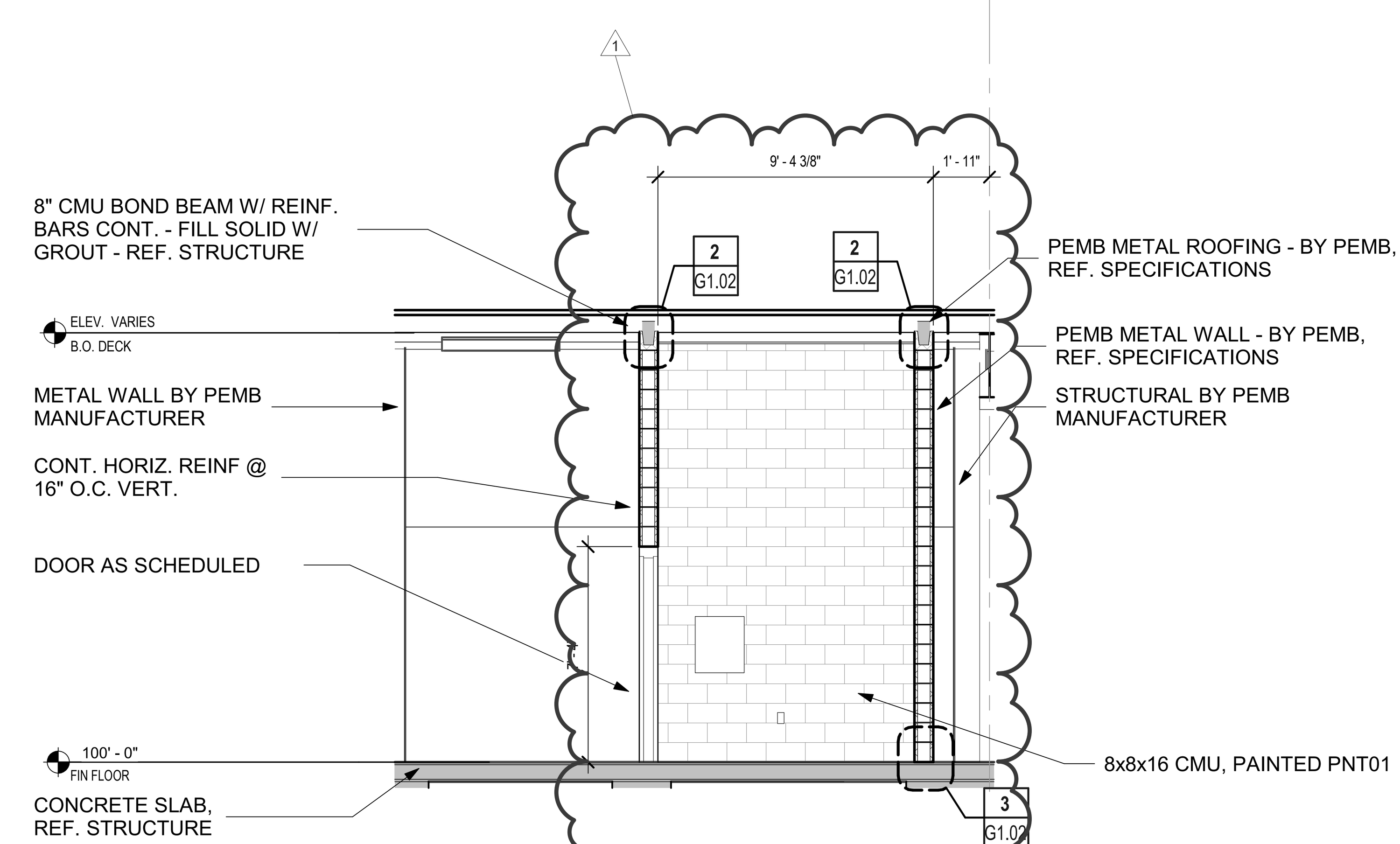
4 ELEVATION - DUGOUT
1/4" = 1'-0"



3 SECTION
1/4" = 1'-0"



2 SECTION
1/4" = 1'-0"



1 SECTION
1/4" = 1'-0"

TYPICAL WALL SECTION NOTES

APPLICABLE TO ALL A6 SHEETS

1. REFER ALSO TO G3 SHTS FOR WALL CONSTRUCTION DETAILS. TYPICAL DETAILS APPLY, AS NEEDED, TO ALL WALL SECTIONS U.N.O.
2. REINFORCING IN CONCRETE BEAMS, FOOTINGS, & PIERS HAS NOT BEEN INDICATED FOR CLARITY. REFER TO STRUCTURAL DRAWINGS FOR THIS REINFORCING.
3. CONTRACTOR SHALL VERIFY THE DIMENSIONAL CONDITIONS BETWEEN ALL STRUCTURAL ELEMENTS & THE ARCHITECTURAL ELEMENTS FOR CONFLICTS. IF DISCREPANCIES ARE ENCOUNTERED, NOTIFY THE ARCHITECT IMMEDIATELY.
4. AT ALL EXTERIOR WALLS, PLACE WEATHER BARRIER AT THE EXTERIOR FACE OF CMU OR SHEATHING. CONTRACTOR TO VERIFY CHEMICAL COMPATIBILITY OF WEATHER BARRIER & SELF-ADHESIVE FLASHING.
5. PROVIDE 3 STACKED BRICK HEADERS OR ONE SOLID BRICK AT ALL SOLDIER OUTSIDE CORNERS. (4"X4"X3 5/8")
6. PROVIDE A WEATHERED MORTAR JOINT AT ALL EXTERIOR CONDITIONS WHERE THE MASONRY COURSE BELOW THE JOINT PROJECTS BEYOND THE COURSE ABOVE.
7. WHERE CMU IS SHOWN SHADED, FILL CELL SOLID WITH GROUT UNLESS NOTED IN DETAILS AS MORTAR. COORDINATE ALL LOCATIONS WITH STRUCTURAL DRAWINGS. IN CASES OF APPARENT CONFLICT, STRUCTURAL DRAWINGS SHALL GOVERN DESIGN. GROUT
8. FILL ALL OPEN CELLS OF CMU SOLID WITH FOAM INSULATION AT ALL EXTERIOR CONDITIONS WHERE RIGID INSULATION IS NOT APPLIED IN THE CAVITY WALL.
9. PROVIDE THERMAL BATT INSULATION AT ALL EXTERIOR STUD WALLS & ACOUSTICAL BATT INSULATION AT INTERIOR STUD WALLS AS DESCRIBED IN SECTION 07 2100 OF THE SPECIFICATIONS.
10. REFER TO STRUCTURAL DRAWINGS FOR VERTICAL WALL REINFORCING.
11. ALL MASONRY WALLS SHALL BE REINFORCED WITH CONTINUOUS HORIZONTAL BEDJOINT REINFORCING AS SPECIFIED, AT 16" VERTICAL SPACING. AT VENEER CONDITIONS PROVIDE TIES AS SPECIFIED AT 16" O.C.E.W.
12. INFORMATION SHOWN BEYOND IN WALL SECTIONS IS PROVIDED FOR INFORMATION ONLY & SHALL NOT LIMIT THE SCOPE OF WORK REQUIRED IN THIS PROJECT.
13. SMALLER SCALE DRAWINGS MAY NOT SHOW ALL CONNECTIONS & FINISHES. ALWAYS REFER TO ENLARGED DETAILS, WHERE PROVIDED, FOR ADDITIONAL INFORMATION. IN CASES OF APPARENT CONFLICT, THE LARGER SCALED DETAIL SHALL APPLY.
14. INTERIOR WALL FINISHES ARE NOT SHOWN ON WALL SECTIONS TO AVOID VISUAL CLUTTER. REFER TO A4 SHEETS FINISH SCHED & INTERIOR ELEVATIONS FOR REQUIRED MATERIALS & MATERIAL PATTERNS.

EXTERIOR WALL TYPE LEGEND

W200 — WALL ASSEMBLY IN SECTION VIEW

LETTER INDICATES EXTERIOR WALL

NUMBER INDICATES BACKUP CONSTRUCTION AS FOLLOWS:
- **100** - CFMF
- **200** - CMU
- **300** - ICF
- **400** - STRUCTURAL CONC. PRECAST PANEL

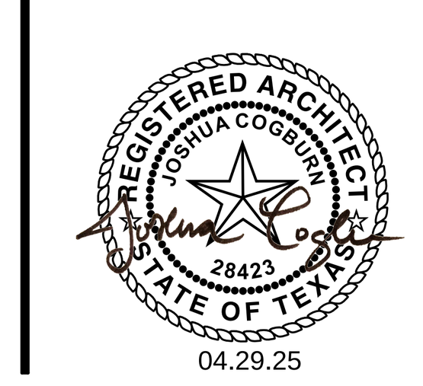
REF. SHT. G3.01 FOR SPECIFIC WALL TYPES

DUGOUT FINISH NOTES

1. PAINT ALL SIDE OF DUGOUT CANOPY, METAL SCREEN, AND SUPPORTS PNT03.
2. BASEBALL: PAINT INSIDE WALLS OF DUGOUT PNT01.
3. SOFTBALL: PAINT INSIDE WALLS OF DUGOUT PNT03.
4. POWERWASH EXISTING DUGOUT MASONRY.

Revision /	Date	
1	04/29/25	Addendum #01

Project: LEGACY HIGH SCHOOL BB - SB RENOVATIONS FOR MANSFIELD I.S.D. MANSFIELD, TEXAS



04.29.25

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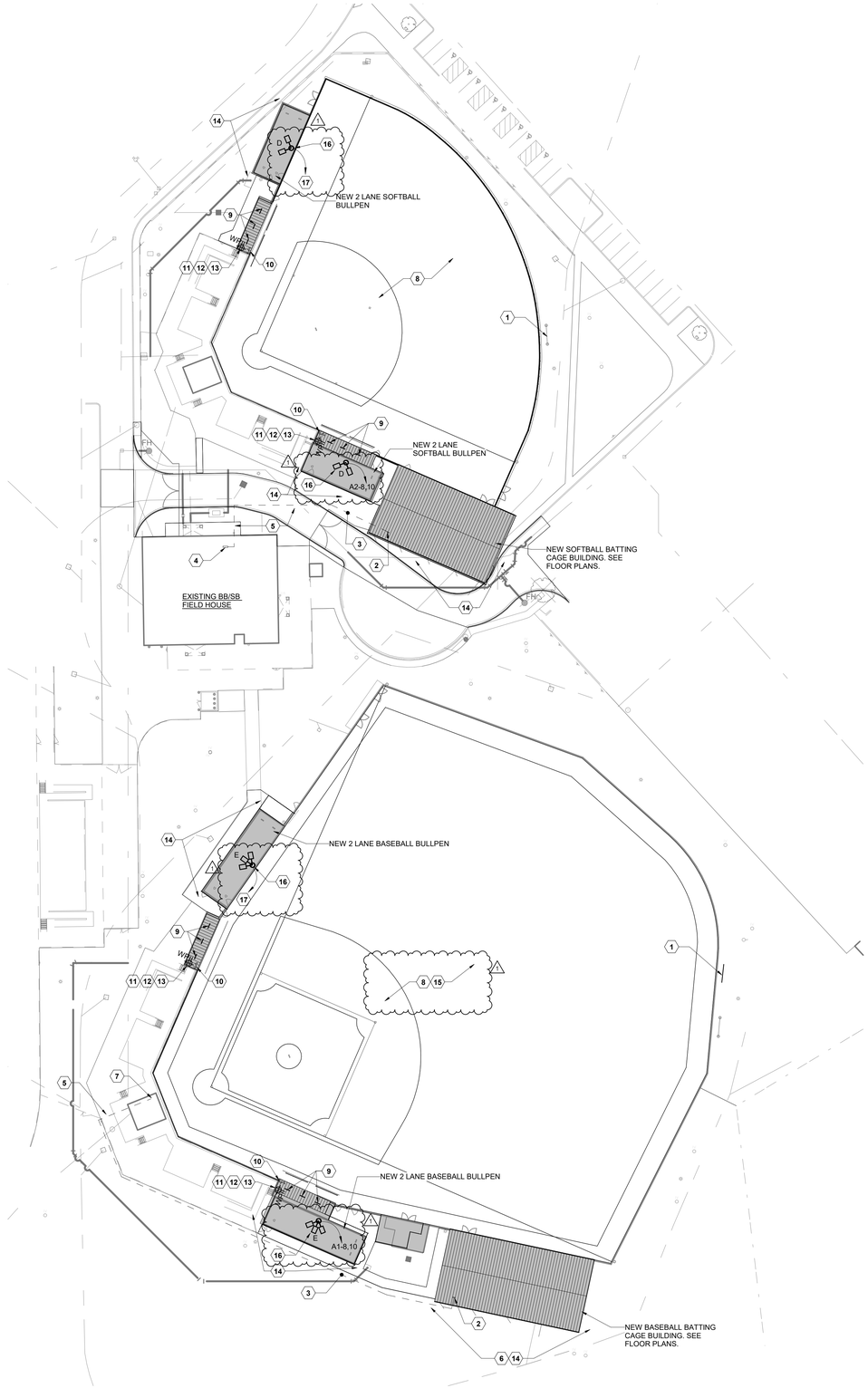
FLOOR PLAN & ELEVATIONS & WALL SECTIONS

Job No.	Sheet No.
01885-06-02	A6.01
Drawn By: MS	
Date: 04/15/25	



1 SITE PLAN - ELECTRICAL
1" = 40'-0"

PLAN N TRUE N

GENERAL NOTES:

A. UNDERGROUND CONDUITS SHALL BE BURIED WITH MINIMUM 24" COVER. REFER TO SPECIFICATIONS FOR SPECIFIC INSTALLATION REQUIREMENTS.

B. SITE VERIFY ALL EXISTING CONDITIONS PRIOR TO DIGGING OR BORING, INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, DIMENSIONS, EQUIPMENT, LOCATIONS, SIZES, QUANTITIES, AND MATERIALS.

C. SAWCUT AND REPAIR SIDEWALKS AND PAVED AREAS AS/IF REQUIRED TO ACCOMMODATE UNDERGROUND CONDUIT INSTALLATION. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID TO DETERMINE MOST FEASIBLE ROUTING OF ALL ELECTRICAL FEEDERS AND COMPLETE SCOPE OF WORK.

D. TWO OR MORE CIRCUITS MAY BE COMBINED IN ONE CONDUIT AT DISCRETION OF CONTRACTOR AS LONG AS INDICATED CONDUIT SIZE IS INCREASED PER NEC REQUIREMENTS.

E. WHERE AND IF REQUIRED, PROVIDE PRECAST POLYMER CONCRETE PULLBOXES EQUIVALENT TO "QUAZITE" PG STYLE, SIZED PER NEC, WITH WATERPROOF BOLT-DOWN COVER WITH APPROPRIATE LOGO FOR APPLICATION. REFER TO SPECIFICATIONS. BOX SHALL CONFORM TO ANSI/SCTE 77 WITH TIER RATING BASED ON LOADING REQUIREMENTS AND INSTALLATION APPLICATION. PROVIDE BOXES WHERE REQUIRED TO FACILITATE LONG WIRE PULLS.

F. REFER TO ARCHITECTURAL, CIVIL, SPORTS FIELD AND LANDSCAPE PLANS FOR ADDITIONAL SITE ELECTRICAL REQUIREMENTS.

NOTES BY SYMBOL:

1. EXISTING SCOREBOARD TO BE REPLACED WITH NEW. PROVIDE NEMA 3R SAFETY SWITCH FOR DISCONNECT. EXTEND EXISTING CIRCUIT IN LIQUID TIGHT FLEXIBLE CONDUIT TO NEW SCOREBOARD POWER CONNECTION AS REQUIRED.

2. APPROXIMATE LOCATION OF NEW PANELBOARD. REFER TO POWER FLOOR PLAN.

3. RUN NEW FEEDER WITH 4 #4, #6G IN 1-1/2" CONDUIT UNDERGROUND WITH MIN. 24" COVER. ROUTE SHOWN IS PROPOSED, ADJUST AS REQUIRED.

4. PROVIDE 60A, 3-P CIRCUIT BREAKER IN EXISTING 400A PANELBOARD "CL" ("SQUARE D" NQOD) AND CONNECT NEW FEEDER FOR PANELBOARD "A2". REMOVE SPARE BREAKERS AND REARRANGE CIRCUITS AS/IF REQUIRED TO MAKE ROOM FOR NEW BREAKER. VERIFY EXISTING CONDITIONS AT SITE PRIOR TO BID.

5. SAWCUT EXISTING SIDEWALK AND REPAIR TO MATCH SURROUNDING.

6. REMOVE ELECTRICAL COMPONENTS, DEVICES, CONDUIT AND WIRING ASSOCIATED WITH EXISTING BATTING CAGES AS REQUIRED TO ACCOMMODATE NEW BUILDING CONSTRUCTION. UNDERGROUND CONDUIT MAY BE ABANDONED IN PLACE 1' OR MORE BELOW GRADE WHERE IT DOES NOT IMPEDE NEW CONSTRUCTION.

7. PROVIDE 60A, 3-P CIRCUIT BREAKER IN EXISTING 100A PANELBOARD ("SQUARE D" NQOD) AND CONNECT NEW FEEDER FOR PANELBOARD "A1". REMOVE SPARE BREAKERS AND REARRANGE CIRCUITS AS/IF REQUIRED TO MAKE ROOM FOR NEW BREAKER. VERIFY EXISTING CONDITIONS AT SITE PRIOR TO BID.

1 8. NEW TURF FIELD AND ASSOCIATED FACILITY IMPROVEMENTS. SEE SPORTS FIELD PLANS FOR ADDITIONAL INFORMATION.

9. INSTALL TYPE "A" LIGHT FIXTURE SURFACE MOUNTED HORIZONTALLY TO BACKSIDE OF CENTER STEEL SUPPORT MEMBER OF EXISTING DUGOUT ROOF STRUCTURE SO AS OUT OF VIEW FROM FIELD AND PROTECTED FROM BALL STRIKE.

10. INSTALL ON/OFF TOGGLE SWITCH FOR LIGHTING CONTROL, SURFACE MOUNTED SECURELY TO EXISTING DUGOUT WALL AT APPROX. 45" AFG IN WEATHER-PROOF JUNCTION BOX WITH WEATHER-PROOF FLIP COVER.

11. INSTALL WEATHER-RESISTANT GFCI-TYPE RECEPTACLE IN WEATHER-PROOF JUNCTION BOX WITH WEATHER-PROOF FLIP COVER, SURFACE MOUNTED SECURELY TO EXISTING DUGOUT WALL AT APPROX. 36" AFG.

12. REMOVE EXISTING RECEPTACLE RECESSED IN DUGOUT MASONRY WALL AND UTILIZE JUNCTION BOX FOR SPLICE BOX. PROVIDE BOX EXTENSION AND EXTEND EXISTING CIRCUIT WITH #12 WIRING IN 1/2" CONDUIT TO NEW SURFACE MOUNTED DEVICES AND LIGHT FIXTURES.

13. VERIFY EXISTING DUGOUT CIRCUIT FED FROM PRESS BOX PANEL.

14. EXISTING ELECTRICAL CONDUIT(S) IN THIS AREA (SERVING LIGHTS, SCOREBOARD OR OTHER ACTIVE EQUIPMENT) SHALL BE LOCATED AND REROUTED AS/IF REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. PROVIDE IN-GRADE JUNCTION BOX(ES) FOR INTERCEPTING AND SPLICING CONDUCTORS. NEW CONDUIT AND CONDUCTOR SIZES AND MATERIALS SHALL MATCH EXISTING. REFER TO CIVIL PLANS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

1 15. EXISTING FIELD LIGHTING POLE FIXTURES TO REMAIN IN PLACE AND BE MODIFIED OR RE-AIMED AS REQUIRED BY MUSCO LIGHTING TO ACCOMMODATE CHANGES TO FIELD LAYOUT. CONTACT RICK VAN DUSSELDORP OF MUSCO LIGHTING @ (641)660-5332 TO COORDINATE AND SCHEDULE SCOPE OF WORK.

1 16. NEW POLE WITH LIGHT FIXTURES ON CONCRETE FOUNDATION FOR BULLPEN LIGHTING. COORDINATE EXACT LOCATION WITH EXISTING FACILITIES AND UTILITIES IN AREA. REFER TO STRUCTURAL PLANS FOR FOUNDATION. CONTRACTOR SHALL ADJUST AIM OF EACH FIXTURE FOR EVEN LIGHTING OF BULLPEN AREA. INSTALL AUTO-OFF TIMER WITH WP FLIP COVER IN NEMA 3R BOX SECURELY TO POLE OR ADJACENT STRUCTURE AT 45" AFG FOR MANUAL ON/OFF CONTROLS EQUIVALENT TO "INTERMATIC" # FF46H WITH 6 HOUR TIME CYCLE, DPST AND 250V RATING.

17. RUN 2 #10, #10G IN 1" CONDUIT TO 120/208V PRESS BOX PANEL AND CONNECT TO NEW 20A, 2P CIRCUIT BREAKER.

Revision /	Date	
1	04/29/25	Addendum 1

Project:

LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
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04/15/2025

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SITE PLAN - ELECTRICAL

Job No.	Sheet No.
01885-06-02	ES1.1
Drawn By:	
Date: 04/15/25	

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Autodesk Docs://MANSFIELD ISD - LHS BB SB TURF BATTING/22667 - Mansfield LHS BB-SB Turf & Batting Cages - v23 - MEP.rvt

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CONDUIT IN CEILING OR WALL CONSTRUCTION ARROW = HOMERUN
NL	LIGHTING FIXTURE - UNSWITCHED NIGHT LIGHT
C	LIGHTING FIXTURE - LETTER = TYPE
B	LIGHTING FIXTURE - LETTER = TYPE
B1	LIGHTING FIXTURE WITH INTEGRAL EMERGENCY - LETTER = TYPE
	EMERGENCY BATTERY PACK FIXTURE
	EXIT LIGHT, CEILING MOUNTED. SHADE INDICATES FACE(S). SEE FLOOR PLANS FOR DIRECTION ARROWS.
	EXIT LIGHT, WALL MOUNTED. SHADE INDICATES FACE(S). SEE FLOOR PLANS FOR DIRECTION ARROWS.
$ $2 $3 $4 K	SWITCHES - SINGLE POLE, DOUBLE POLE, 3-WAY, 4-WAY, KEYED
$M	MOTOR RATED SWITCH
D	DIMMER SWITCH
4B LVS	LOW VOLTAGE LIGHTING CONTROL SWITCH. SEE LIGHTING CONTROL DETAILS.
	DUPLEX RECEPTACLE, WEATHERPROOF, FLOOR TYPE
	GROUND FAULT DUPLEX RECEPT.; WEATHER-RESISTANT W/ WEATHERPROOF COVER
	DUPLEX RECEPTACLE ABOVE COUNTER, UNDER COUNTER. VERIFY ELEVATION WITH ARCHITECT.
	SPLIT WIRED DUPLEX RECEPTACLE WITH ONE OUTLET MARKED "CONTROLLED"; SAME ABOVE COUNTER
	SPECIAL RECEPTACLE. (AS NOTED ON PLANS AND/OR PANEL SCHEDULE)
	DOUBLE DUPLEX (QUAD) RECEPT.
	DUPLEX OR QUAD RECEPT. WITH GREY FACE FOR TECHNOLOGY POWER. SEE DETAILS.
	DUPLEX RECEPTACLE WITH DUAL USB CHARGING OUTLETS
	FLOOR BOX AS SPECIFIED WITH RECEPTACLE & ROUGH-IN FOR TECHNOLOGY SUPPORT
	DUPLEX OR QUAD RECEPTACLE IN 2X2 CEILING PLATE/BOX & ROUGH-IN FOR TECH. SUPPORT
R	RELAY (SEE SPECIFICATIONS)
	ELECTRICAL PANEL , DIMMER PANEL, CONTROL PANEL, ETC.
	MOTOR, SIZED AS NOTED
	SAFETY SWITCHES - FUSIBLE, NON-FUSIBLE
WP	WEATHERPROOF
	JUNCTION BOX, 4X4 MINIMUM, WITH COVER AS REQUIRED FOR USE

*NOTE - LIGHTING CONTROLS SYMBOLS ARE SHOWN ON SEPARATE SYMBOL LEGEND.

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION
WP	WEATHERPROOF
F	MANUAL PULL STATION
S H CO S	SMOKE DETECTOR, HEAT DETECTOR, CARBON MONOXIDE DETECTOR, DUCT DETECTOR
	WALL MOUNTED HORN OR SPEAKER WITH VISIBLE STROBE LIGHT
V	WALL MOUNTED VISIBLE STROBE LIGHT ONLY
	CEILING MOUNTED FIRE ALARM HORN OR SPEAKER WITH VISIBLE STROBE LIGHT
	CEILING MOUNTED FIRE ALARM VISIBLE STROBE LIGHT ONLY
DH	ELECTROMAGNETIC DOOR HOLD OPEN

GENERAL ELECTRICAL NOTES

1. ALL ELECTRICAL DEVICES SUCH AS EXIT AND EMERGENCY LIGHTS, FIRE ALARM DEVICES, ETC., THAT ARE SUBJECT TO PHYSICAL DAMAGE SHALL BE PROTECTED BY APPROVED WIRE GUARDS OR PROTECTIVE COVERS.

2. SPECIFICATIONS MAY REQUIRE SOME ITEMS, SUCH AS PULL AND JUNCTION BOXES, RECEPTACLES, SWITCHES, SHUNT TRIP DEVICES, GROUNDING SYSTEM COMPONENTS, CONTROLS COMPONENTS, FIRE ALARM DEVICES, ETC., TO BE INSTALLED THAT ARE NOT INDICATED ON PLANS. SPECIFICATIONS SHALL BE REVIEWED COMPLETELY AND ALL SUCH ITEMS SHALL BE INCORPORATED INTO THE BID.

3. TECHNOLOGY PLANS SHALL BE REVIEWED COMPLETELY FOR WORK SUCH AS CONDUIT AND JUNCTION BOX ROUGH-IN ASSOCIATED WITH TELEPHONE, PUBLIC ADDRESS, LOCAL SOUND, DATA, ACCESS CONTROLS AND SECURITY SYSTEMS.

4. INSTALL A GREEN COLORED EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS. REFER TO SPECIFICATIONS SECTION 26 0526 FOR ADDITIONAL INFORMATION.

5. ALL 120V AND 277V CIRCUITS SHALL BE INSTALLED WITH A DEDICATED INDIVIDUAL NEUTRAL CONDUCTOR CONNECTED TO THE PANELBOARD NEUTRAL BUS. SHARING OF NEUTRALS AMONG CIRCUITS ON HOME RUNS IS NOT ALLOWED.

6. IN RENOVATION AREAS, EXISTING J-BOXES AND CONDUIT IN GOOD CONDITION SHALL BE REUSED, ESPECIALLY IN BLOCK WALLS, SO AS TO AVOID SURFACE RACEWAY WHERE POSSIBLE. EXISTING EQUIPMENT OR DEVICES, SUCH AS RECEPTACLES IN WALLS NOT AFFECTED BY NEW CONSTRUCTION, SHALL REMAIN OPERABLE. RECONNECT TO EXISTING CIRCUIT OR WITH NEAREST NEW CIRCUIT SHOWN IN ROOM AS REQUIRED WHERE EXISTING CIRCUIT IS INTERRUPTED.

7. ALL NEW CONDUIT AND WIRING SHALL BE INSTALLED CONCEALED ABOVE LAY-IN CEILING AND WITHIN NEW AND EXISTING WALLS. WHERE DEVICES ARE SHOWN IN EXISTING STUD WALLS, PROVIDE CUT-IN JUNCTION BOXES AND INSTALL MC CABLE WITHIN WALL CAVITY. WHERE DEVICES ARE SHOWN IN EXISTING BLOCK OR MASONRY WALLS AND THERE IS NO EXISTING J-BOX AND CONDUIT FOR REUSE, BOXES SHALL BE SURFACE MOUNTED AND WIRING SHALL BE CONCEALED IN SURFACE MOUNTED RACEWAY, WITH COLOR MATCHING THAT OF WALL, AS APPROVED BY ARCHITECT. PROVIDE ALL FITTINGS NECESSARY FOR COMPLETE INSTALLATION. REFER TO SPECIFICATIONS 26 0533 FOR RACEWAY REQUIREMENTS.

8. PROVIDE POWER TO IRRIGATION CONTROLLER(S) AND CONDUIT STUB-OUTS, AS REQUIRED, FOR IRRIGATION CONTROL WIRING. REFER TO IRRIGATION/LANDSCAPE PLANS FOR COMPLETE SCOPE OF WORK.

LIGHTING FIXTURE SCHEDULE

CHARACTERISTICS	TYPE MARK	DESCRIPTION	MODEL
LED 4000 LUM, 5000K, 30W	A	SURFACE VAPORTITE 4' INDUSTRIAL LED FIXTURE, SEALED AND GASKETED, FIBERGLASS HOUSING, IMPACT RESISTANT IK06 LENS AND HOUSING, UNIVERSAL VOLTAGE DIMMING DRIVER, WET LOCATION LISTED.	"METALUX" # 4VT2-LD5-4-DR-UNV-L850-CD1-WL-U
LED 8000 LUM, 5000K, 58W	B	SURFACE VAPORTITE 4' INDUSTRIAL LED FIXTURE, SEALED AND GASKETED, FIBERGLASS HOUSING, IMPACT RESISTANT IK06 LENS AND HOUSING, UNIVERSAL VOLTAGE DIMMING DRIVER, WET LOCATION LISTED.	"METALUX" # 4VT2-LD5-8-DR-UNV-L850-CD1-WL-U
LED 4,524 LUM 4000K 37W	C	WALL MOUNTED LED PERIMETER LIGHT, WET LOCATION IP66 RATED, DIECAST ALUMINUM HOUSING AND DOOR, IK10 IMPACT RATED, DLC LISTED, BUTTON TYPE PHOTOCELL, FINISH TO BE SELECTED BY ARCHITECT.	"McGRAW - EDISON" # ISC-SA1-C-740-U-SL3-XX-BPC120
LED 5000K 37,619 LUM. 248W	D	TWO LED FLOODLIGHT LUMINAIRES, SINGLE PIECE DIE-CAST ALUMINUM HOUSING WITH INTEGRATED HEAT SINK, MEDIUM SYMMETRICAL ROUND OPTICS, IK10 RATED HOUSING AND OPTICS, ADJUSTABLE SLIPFITTER, BULLHORN BRACKET, FIELD INSTALLED FIXED LOUVERS ON 35' ROUND TAPERED STEEL POLE WITH GREY FINISH.	"MCGRAW-EDISON" # (2X) GFLD-SA6C-750-U-MR-S-AP-VSR/6/AP "VALMONT" #DS210-850A350-P2-FP-LG-FBC-AB-2B180
LED 5000K 37,619 LUM. 248W	E	THREE LED FLOODLIGHT LUMINAIRES, SINGLE PIECE DIE-CAST ALUMINUM HOUSING WITH INTEGRATED HEAT SINK, MEDIUM SYMMETRICAL ROUND OPTICS, IK10 RATED HOUSING AND OPTICS, ADJUSTABLE SLIPFITTER, BULLHORN BRACKET, FIELD INSTALLED FIXED LOUVERS ON 35' ROUND TAPERED STEEL POLE WITH GREY FINISH.	"MCGRAW-EDISON" # (3X) GFLD-SA6C-750-U-MR-S-AP-VSR/6/AP "VALMONT" #DS210-950A350-P2-FP-LG-FBC-AB-3B180

LIGHTING FIXTURE SCHEDULE NOTES:

1. LIGHTING AGENCIES PRE-APPROVED TO PROVIDE LIGHT FIXTURE PACKAGE ARE THOSE REPRESENTING THE FOLLOWING LED TROFFER MANUFACTURERS: "CREE", "METALUX", "LITHONIA", "DAY-BRITE" AND "COLUMBIA". WHERE ONLY ONE PART NUMBER IS INDICATED FOR A PARTICULAR FIXTURE TYPE, "EQUIVALENT" FIXTURE REPRESENTED BY THE PRE-APROVED LIGHTING AGENCIES MAY BE UTILIZED. FIXTURES THAT ARE MORE FUNCTIONAL THAN AESTHETIC MAY BE SUPPLIED AS LONG AS THE PERFORMANCE AND CONSTRUCTION IS COMPARABLE TO THE SPECIFIED FIXTURE. SPECIALTY FIXTURES (THOSE THAT HAVE AESTHETIC VALUE TO THE ARCHITECTURAL SCHEME SUCH AS SCONCES, PENDANTS, POLE FIXTURES, BOLLARDS, ETC.) SHALL VERY CLOSELY MATCH THE SPECIFIED FIXTURES. THESE "EQUIVALENT" FIXTURES MAY BE SUBMITTED FOR PRE-APPROVAL TO ASSURE ACCEPTANCE ON FORMAL SUBMITTAL.

2. EQUIVALENT FIXTURES SHALL HAVE LUMEN PACKAGES WITHIN 10% OF SPECIFIED FIXTURE LUMEN OUTPUT.

3. REFR TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

4. LIGHT FIXTURES EQUIPPED WITH EMERGENCY PACKS SHALL BE UNIVERSAL VOLTAGE OR SHALL BE FACTORY WIRED FOR SCHEDULED VOLTAGE. CONTRACTOR SHALL COORDINATE VOLTAGE OF EACH FIXTURE TYPE CAREFULLY WITH LIGHTING AGENCY AND/OR DISTRIBUTOR PRIOR TO ORDER.

BB STORAGE 1.01

Panel: A1

CHARACTERISTICS	MOUNTING	MAINS RATING	MAINS TYPE	AIC RATING	ENCLOSURE
120/208V, 3PH, 4W	Surface	60 A	MCB	10,000	Type 1

FROM:

CIRCUIT	CIRCUIT DESCRIPTION	CONDUCTOR SIZE	CONDUIT SIZE	TRIP	POLES	A		B		C		POLES	TRIP	CONDUIT SIZE	CONDUCTOR SIZE	CIRCUIT DESCRIPTION	CIRCUIT
A1-1	LIGHTING BB STORAGE 1.01	1-#12, 1-#12, 1-#12	1/2"	20 A	1	1 A	6 A					1	20 A	1/2"	1-#12, 1-#12, 1-#12	LIGHTING - BATTING CAGE	A1-2
A1-3	RECEPTACLE BB STORAGE 1.01	1-#12, 1-#12, 1-#12	1/2"	20 A	1			8 A	6 A			1	20 A	1/2"	1-#12, 1-#12, 1-#12	LIGHTING - BATTING CAGE	A1-4
A1-5	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1					10 A	7 A	1	20 A	1/2"	1-#12, 1-#12, 1-#12	LIGHTING - BATTING CAGE	A1-6
A1-7	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1	10 A	4 A					2	20 A	1"	2-#12, 1-#12	LIGHT POLE - BULLPEN	A1-8
A1-9	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1			10 A	4 A								A1-10
A1-11	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1					10 A							A1-12
A1-13																	A1-14
A1-15	SPARE	--	--	20 A	1			0 A	0 A			1	20 A	--	--	SPARE	A1-16
A1-17	SPARE	--	--	20 A	1					0 A	0 A	1	20 A	--	--	SPARE	A1-18
				TOTAL LOAD:		2396 VA		3197 VA		3182 VA							
				TOTAL AMPS:		20 A		28 A		28 A							

SB STORAGE 1.02

Panel: A2

CHARACTERISTICS	MOUNTING	MAINS RATING	MAINS TYPE	AIC RATING	ENCLOSURE
120/208V, 3PH, 4W	Surface	60 A	MCB	10,000	Type 1

FROM:

CIRCUIT	CIRCUIT DESCRIPTION	CONDUCTOR SIZE	CONDUIT SIZE	TRIP	POLES	A		B		C		POLES	TRIP	CONDUIT SIZE	CONDUCTOR SIZE	CIRCUIT DESCRIPTION	CIRCUIT
A2-1	LIGHTING SB STORAGE 1.02	1-#12, 1-#12, 1-#12	1/2"	20 A	1	1 A	6 A					1	20 A	1/2"	1-#12, 1-#12, 1-#12	LIGHTING - BATTING CAGE	A2-2
A2-3	RECEPTACLE SB STORAGE 1.02	1-#12, 1-#12, 1-#12	1/2"	20 A	1			8 A	6 A			1	20 A	1/2"	1-#12, 1-#12, 1-#12	LIGHTING - BATTING CAGE	A2-4
A2-5	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1					10 A	7 A	1	20 A	1/2"	1-#12, 1-#12, 1-#12	LIGHTING - BATTING CAGE	A2-6
A2-7	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1	10 A	2 A					2	20 A	1"	2-#12, 1-#12	LIGHT POLE - BULLPEN	A2-8
A2-9	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1			10 A	2 A								A2-10
A2-11	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1					10 A							A2-12
A2-13																	A2-14
A2-15	SPARE	--	--	20 A	1			0 A	0 A			1	20 A	--	--	SPARE	A2-16
A2-17	SPARE	--	--	20 A	1					0 A	0 A	1	20 A	--	--	SPARE	A2-18
				TOTAL LOAD:		2273 VA		3073 VA		3182 VA							
				TOTAL AMPS:		19 A		27 A		28 A							

Revision / 1 — Addendum 1

Date 04/29/25

Project:

LEGACY HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD I.S.D.
MANSFIELD, TEXAS

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ELECTRICAL SYMBOL LEGENDS AND DETAILS

Job No. 01885-06-02

Drawn By:

Date: 04/15/25

Sheet No. E1.01