



MORE THAN ARCHITECTS

ADDENDUM

NO. 1

TO THE DRAWINGS AND THE PROJECT MANUAL

PROJECT NAME: Lake Ridge High School BB – SB Renovations

CLIENT NAME: Mansfield ISD

LOCATION: Mansfield, TX

PROJECT NUMBER: 01885-07-02

ADDENDUM DATE: Tuesday, April 29, 2025

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



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



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 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

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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 2/S2.01: Revised footing/grade dimensions.

END OF STRUCTURAL ADDENDUM

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SPORTS ITEMS FOR ADDENDUM NO. 1

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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 F1.01,

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

AD No 1, Sports Item 2: To the Drawings, Sheet F2.03,

- 2) ADDED DETAIL 11 FOR SINGLE ROLLING GATE

AD No 1, Sports Item 3: To the Drawings, Sheet F2.05,

- 3) REMOVED LAKE RIDGE EAGLES FIELD TURF LETTERS FROM UP EACH BASELINE AND ADDED LAKE RIDGE TURF LETTERS BEHIND HOMEPLATE ON BASEBALL FIELD

END OF SPORTS ADDENDUM

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04.29.25

ARCHITECTURAL 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, 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, "BUILDING AND WALL SECTIONS,"**

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

END OF ARCHITECTURAL ADDENDUM

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ELECTRICAL ITEMS FOR ADDENDUM NO. 1

NOTICE TO PROPOSERS:

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- 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:

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.

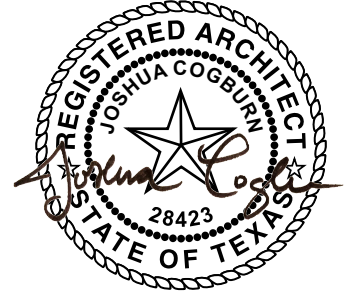
AD No 1, Elec. Item 3: **To the Drawings, Sheet ES1.1, "SITE PLAN - ELECTRICAL,"**

- 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

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**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 biting 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):

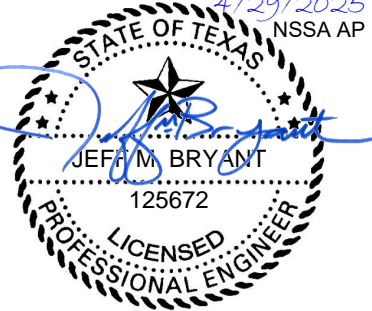
Provide each SGL door(s) with the following:

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



SECTION 26 5670
STRUCTURAL REQUIREMENTS FOR ATHLETIC LIGHTING



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, Luminaires 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. Luminaires, 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, Luminaires 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 specification 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.

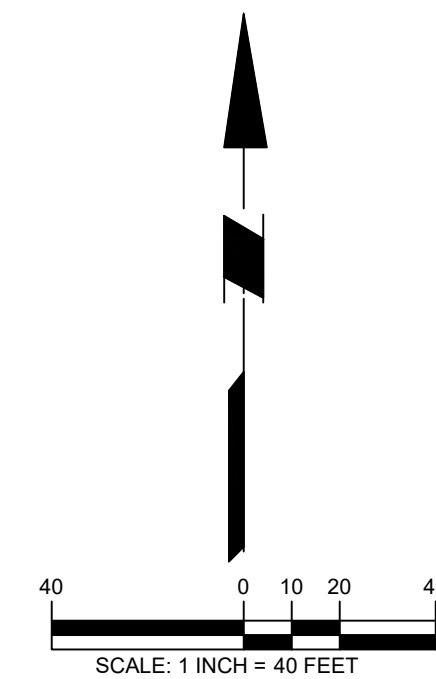
1.07 FIELD CONDITIONS

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

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION



LEGEND

PROPOSED FACE AND BACK OF CURB	
PROPOSED HEAVY DUTY PAVEMENT	
PROPOSED SIDEWALK CONCRETE	
PROPOSED RETAINING WALL	
PROPOSED CHAIN LINK FENCE	
PROPOSED STORM	
PROPOSED UNDERGROUND ELECTRIC	
EXISTING STORM	
EXISTING SANITARY SEWER	
EXISTING POWER LINE	
EXISTING TELEPHONE LINE	
EXISTING GAS LINE	
EXISTING WATER LINE	



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, L.L.C. 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

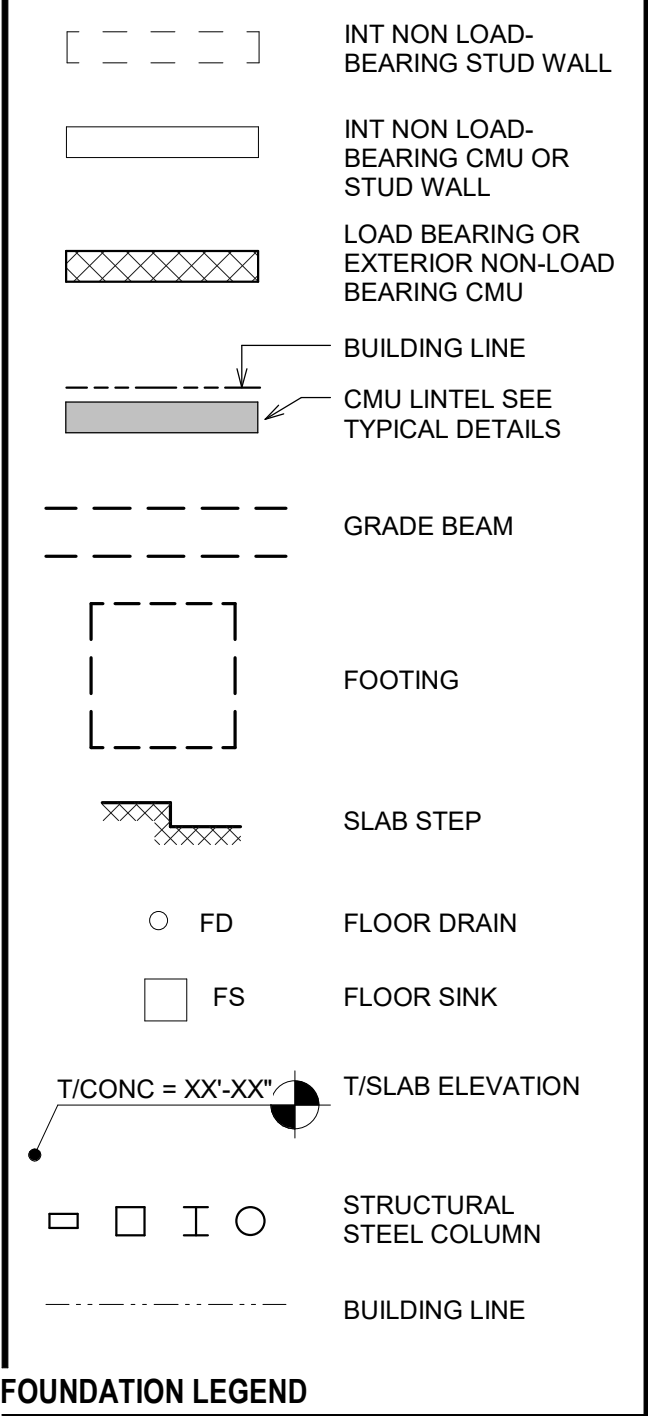
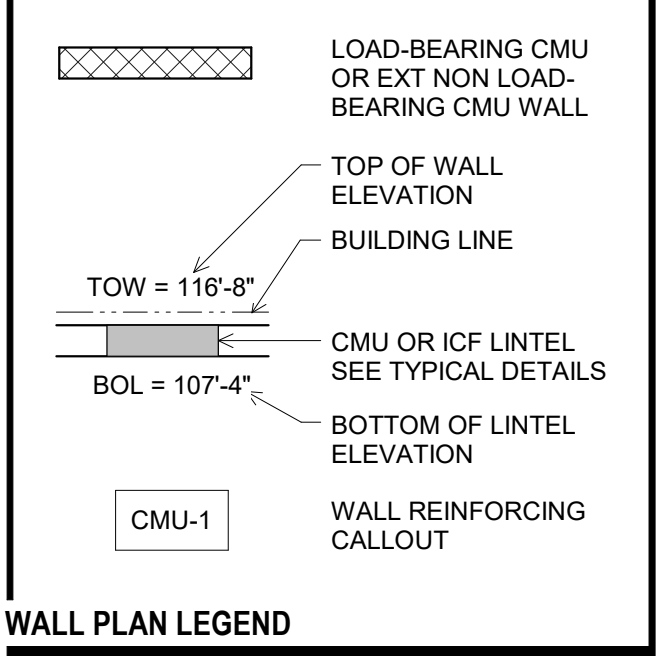
PARKING:

- (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:

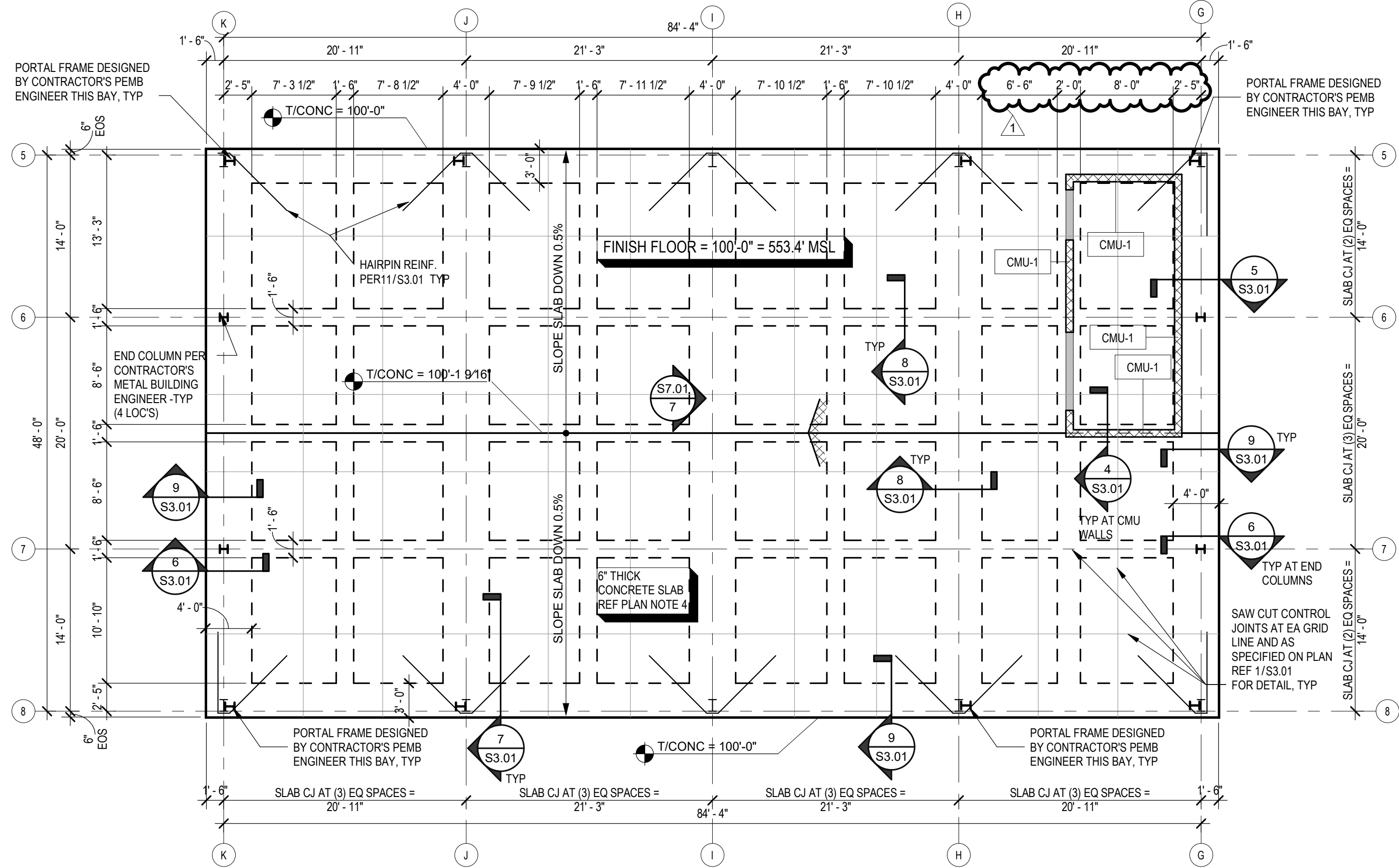
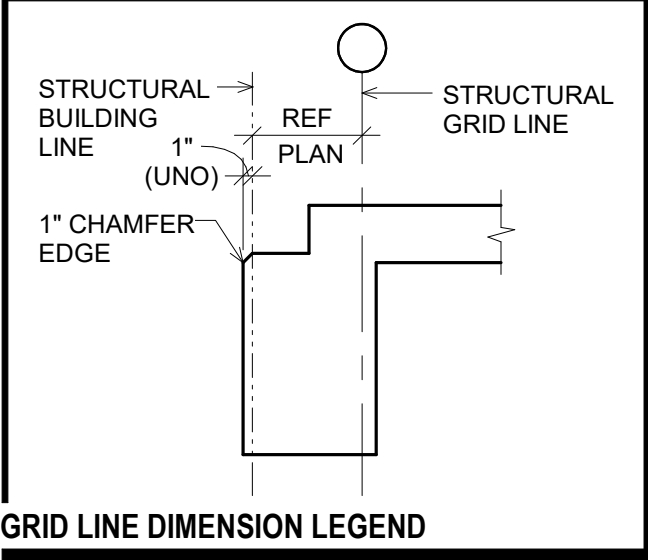
- (D) RAMPS EXCEEDING 6" IN RISE (EXCLUDING CURB RAMPS) SHALL HAVE APPROPRIATE EDGE PROTECTION WITH HANDRAILS ON EACH SIDE AT BETWEEN 34" AND 38" AND EXTEND 12" BEYOND THE TOP AND BOTTOM OF RAMP. HANDRAIL SHALL NOT DIMINISH THE CLEAR AREA REQUIRED FOR TOP AND BOTTOM LANDINGS SERVING THE RAMPS.
- (E) 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).
- (I) SIDEWALKS AND ACCESSIBLE ROUTES:
SIDEWALKS MUST BE AT LEAST 36" WIDE WITH 5'X5' CLEAR PASSING OPPORTUNITIES IN INCLEMENTS LESS THAN 50' IF SIDEWALK CROSS SLOPE SHALL NOT EXCEED 1:48 (2%).
- (J) LONGITUDINAL SLOPE OF ANY SIDEWALK (ACCESSIBLE ROUTE) SHALL NOT EXCEED 1:20 (5%).

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

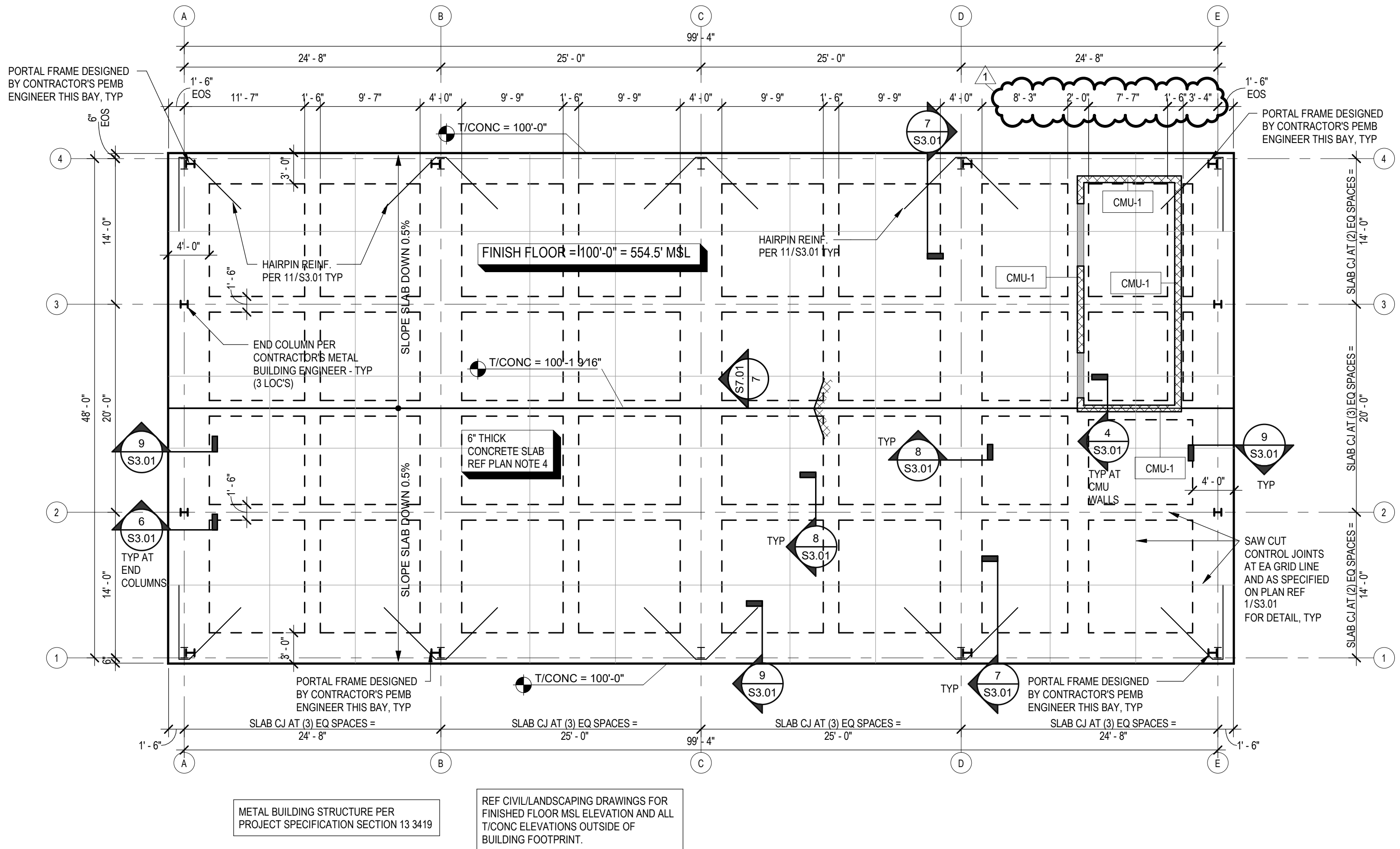


- FOR GENERAL NOTES, SEE DWG. S0.00.
- FOR FOUNDATION SECTIONS & DETAILS, SEE S3 SERIES DRAWINGS.
- STRUCTURAL MEMBERS SHALL BE EQUALLY SPACED BETWEEN MAJOR SUPPORT POINTS SUCH AS COLUMN GRIDS, WALLS, AND GIRDERS UNLESS DIMENSIONED OTHERWISE.
- SLAB ON GRADE OVER VAPOR BARRIER REINF WITH #3 AT 1'-0"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

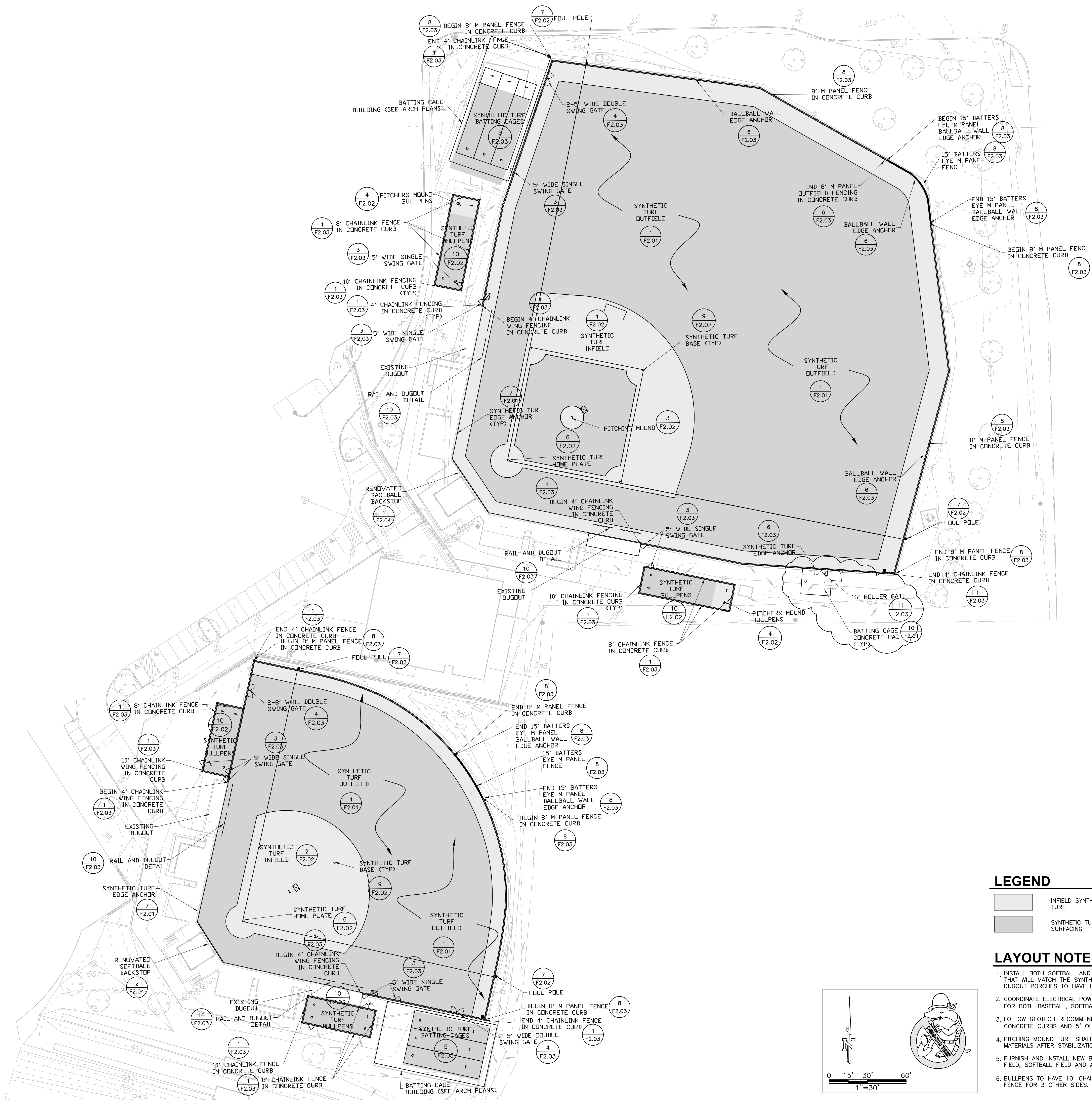
FOUNDATION PLAN NOTES

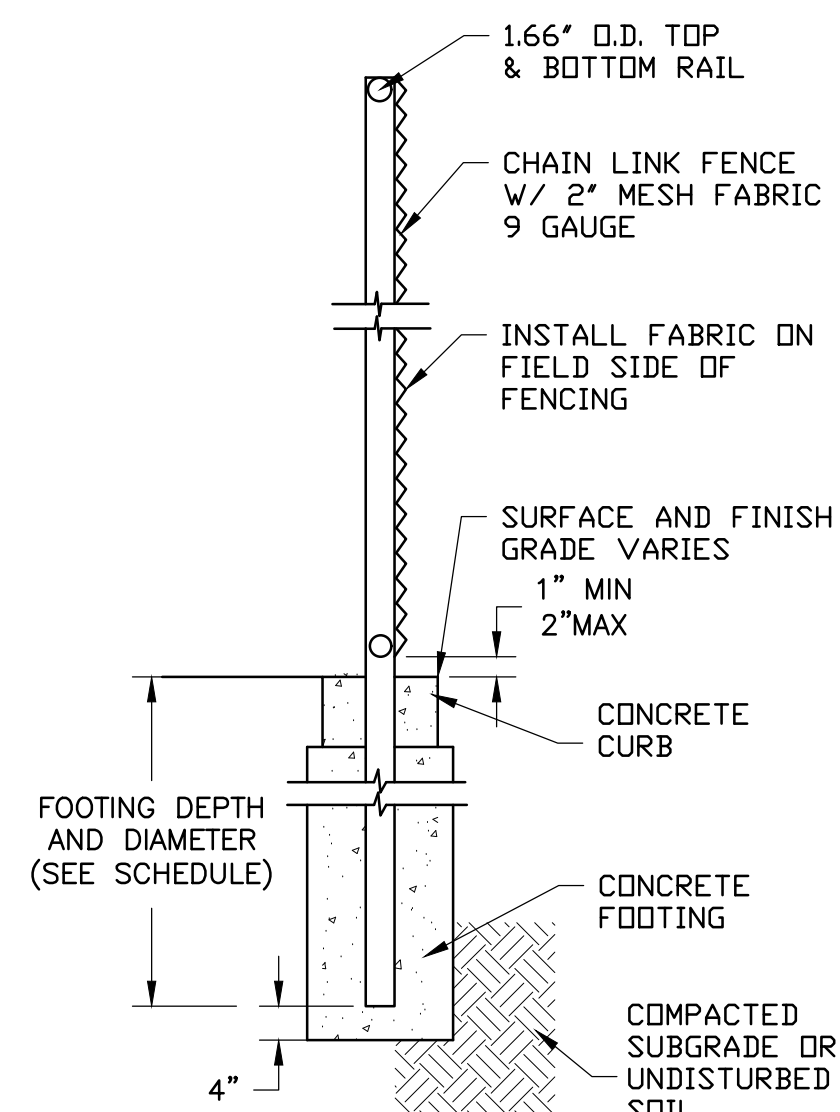


2 FOUNDATION PLAN - SOFTBALL
S2.01 1/8" = 1'-0"



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



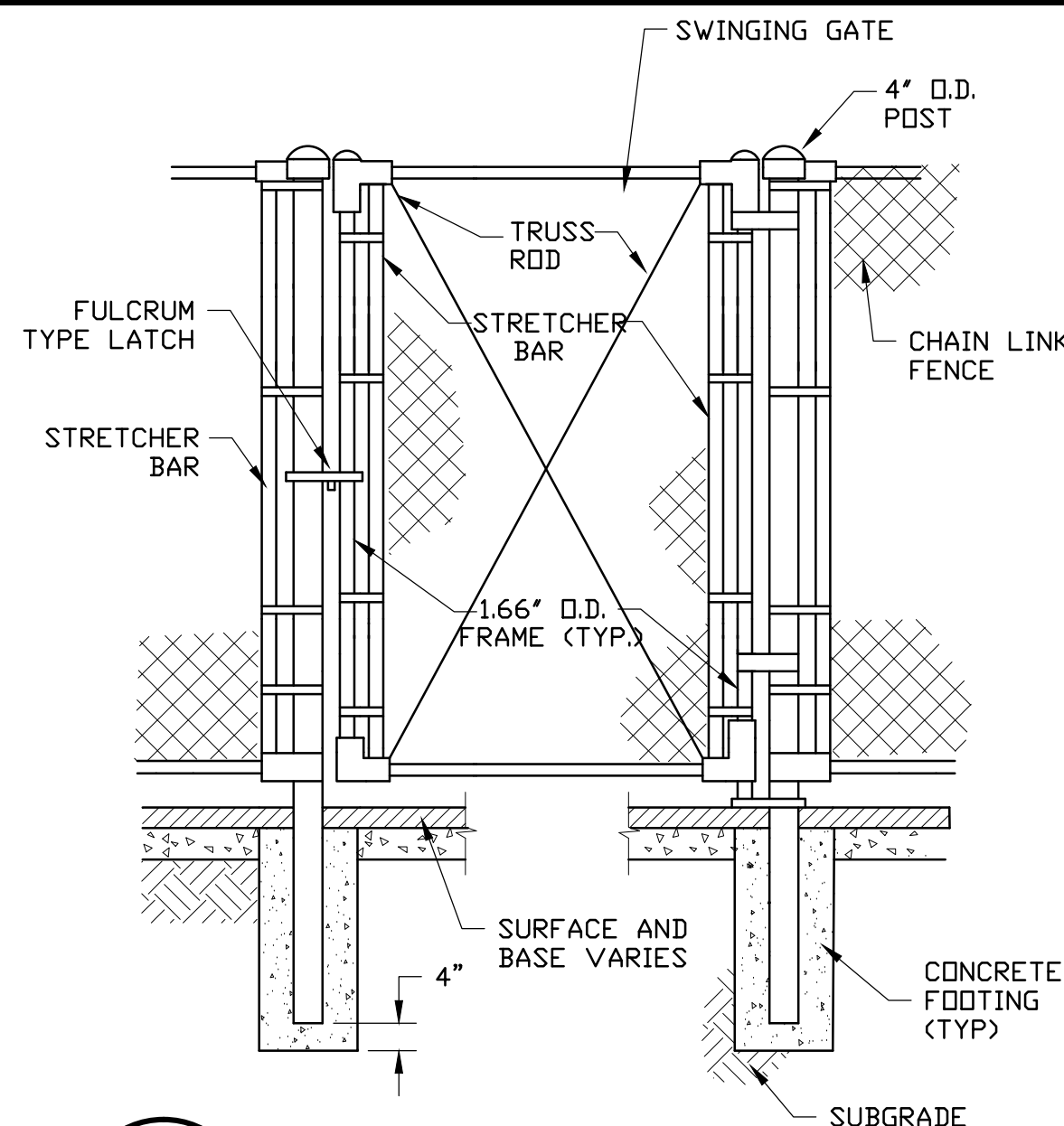


1 CHAIN LINK FENCING SECTION
F2.03 NOT TO SCALE

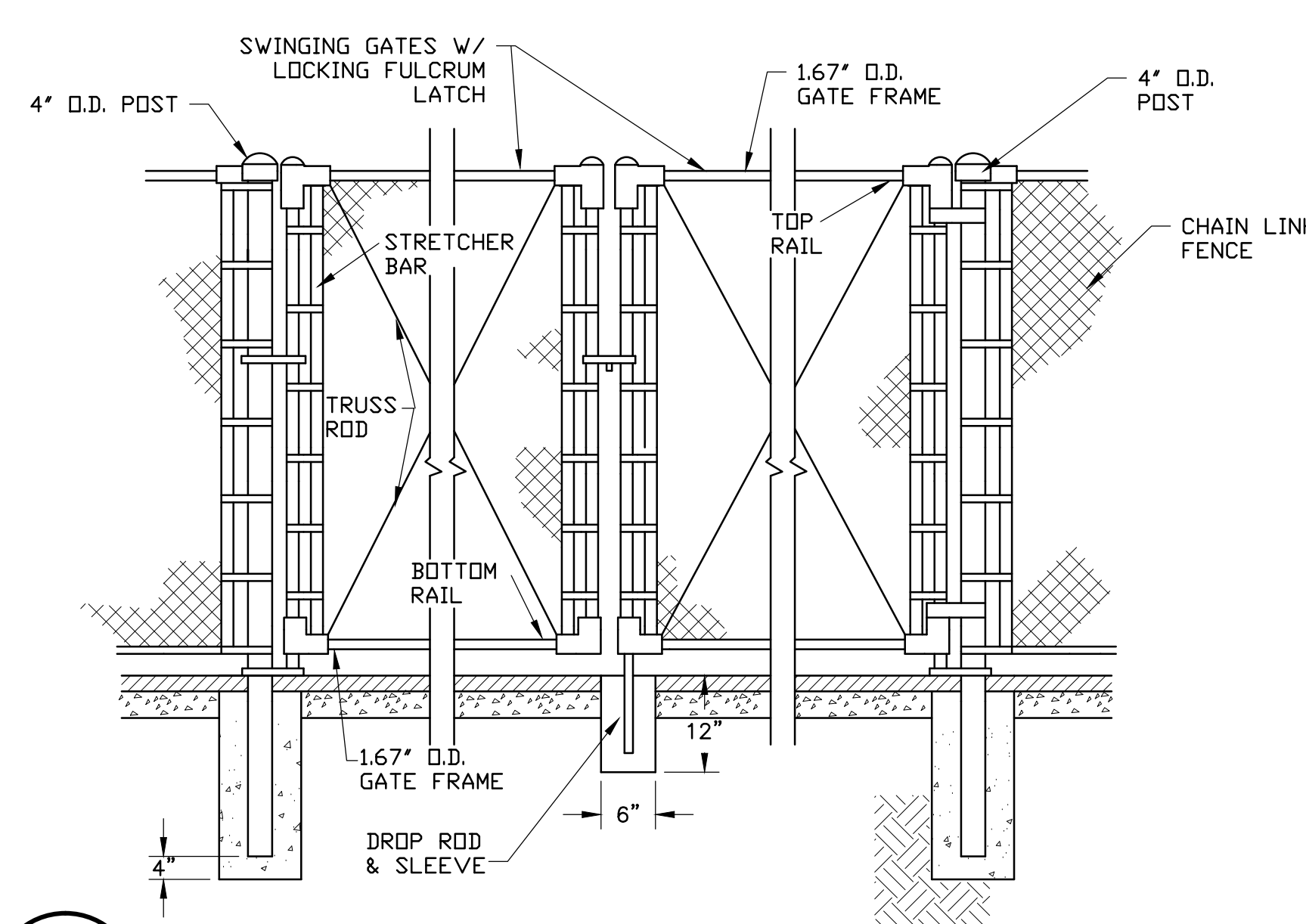
FENCING TYPE	15' HIGH FENCING M PANEL	8' HIGH FENCING M PANEL	4' HIGH FENCING	8' HIGH FENCING
CORNER POST	4.000' DD	4.000' DD	2.875' DD	4.000' DD
TERMINAL POST	4.000' DD	4.000' DD	2.875' DD	4.000' DD
LINE POST	2.875' DD	2.875' DD	2.375' DD	2.875' DD
FOOTING DEPTH	54"	42"	36"	42"
FOOTING DIAMETER	12"	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

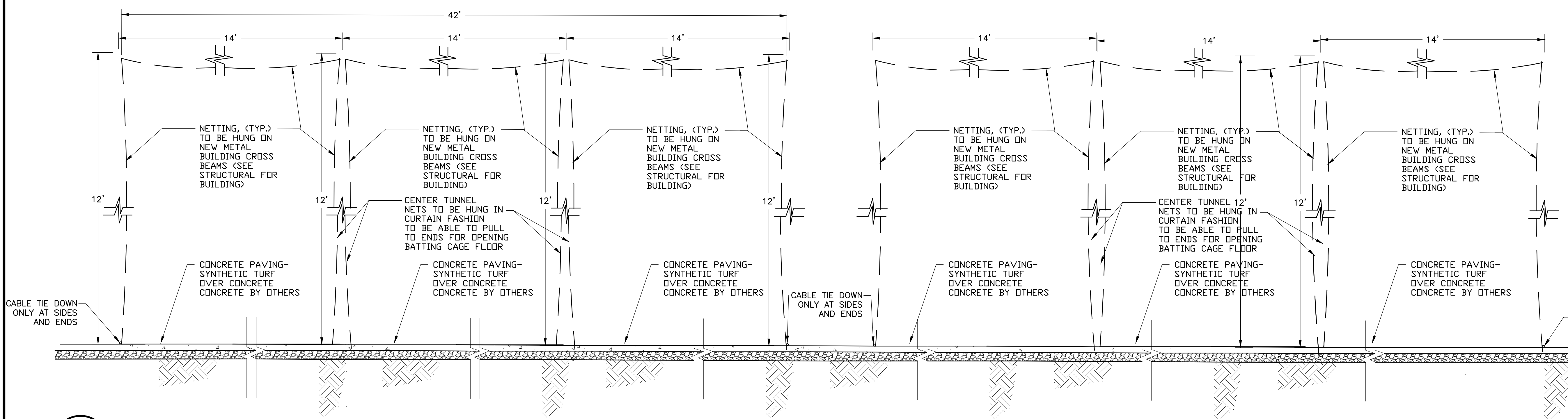
2 CHAIN LINK FENCING SCHEDULE
F2.03 NOT TO SCALE



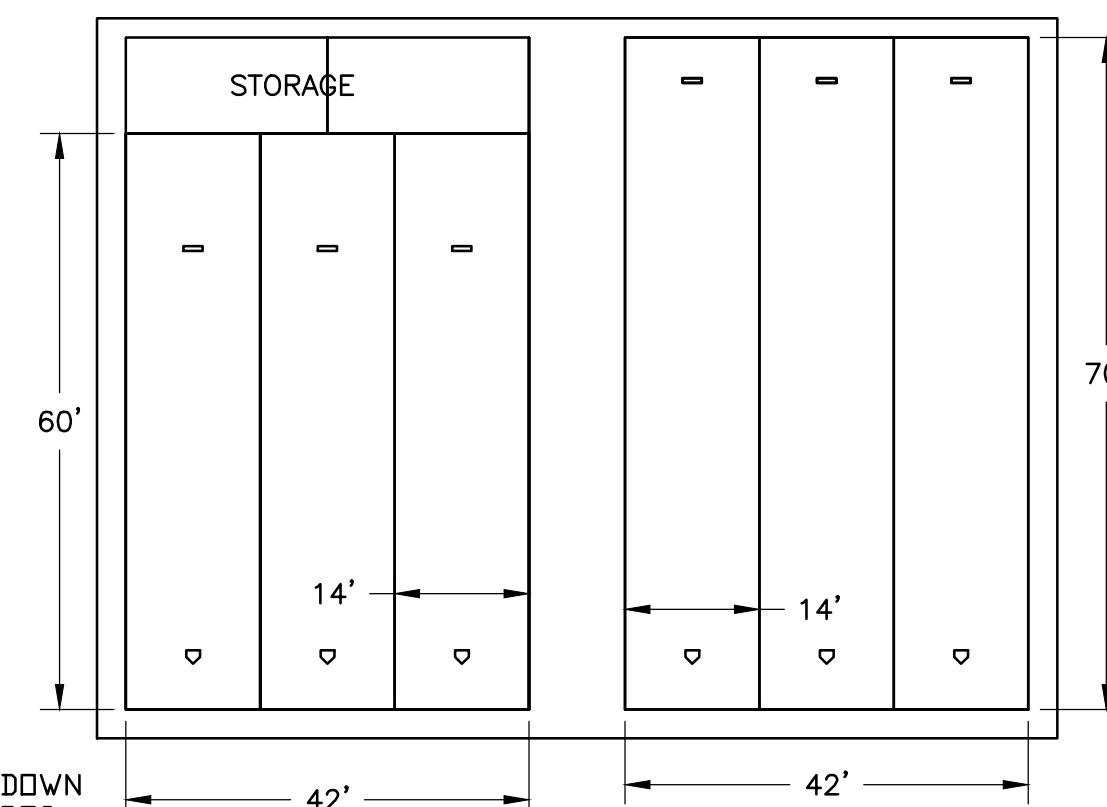
3 SINGLE SWING GATES
F2.03 NOT TO SCALE



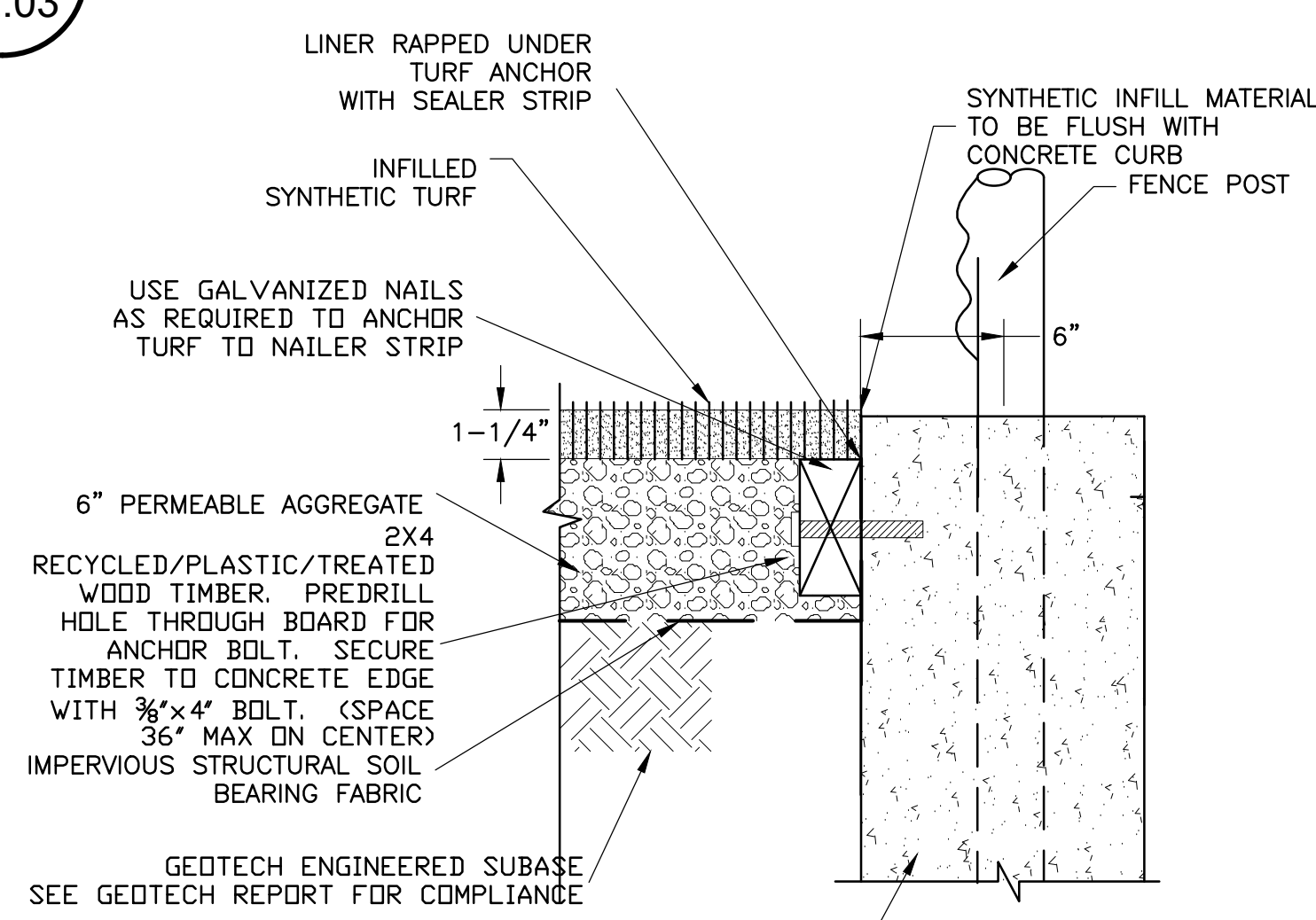
4 DOUBLE SWING GATES
F2.03 NOT TO SCALE



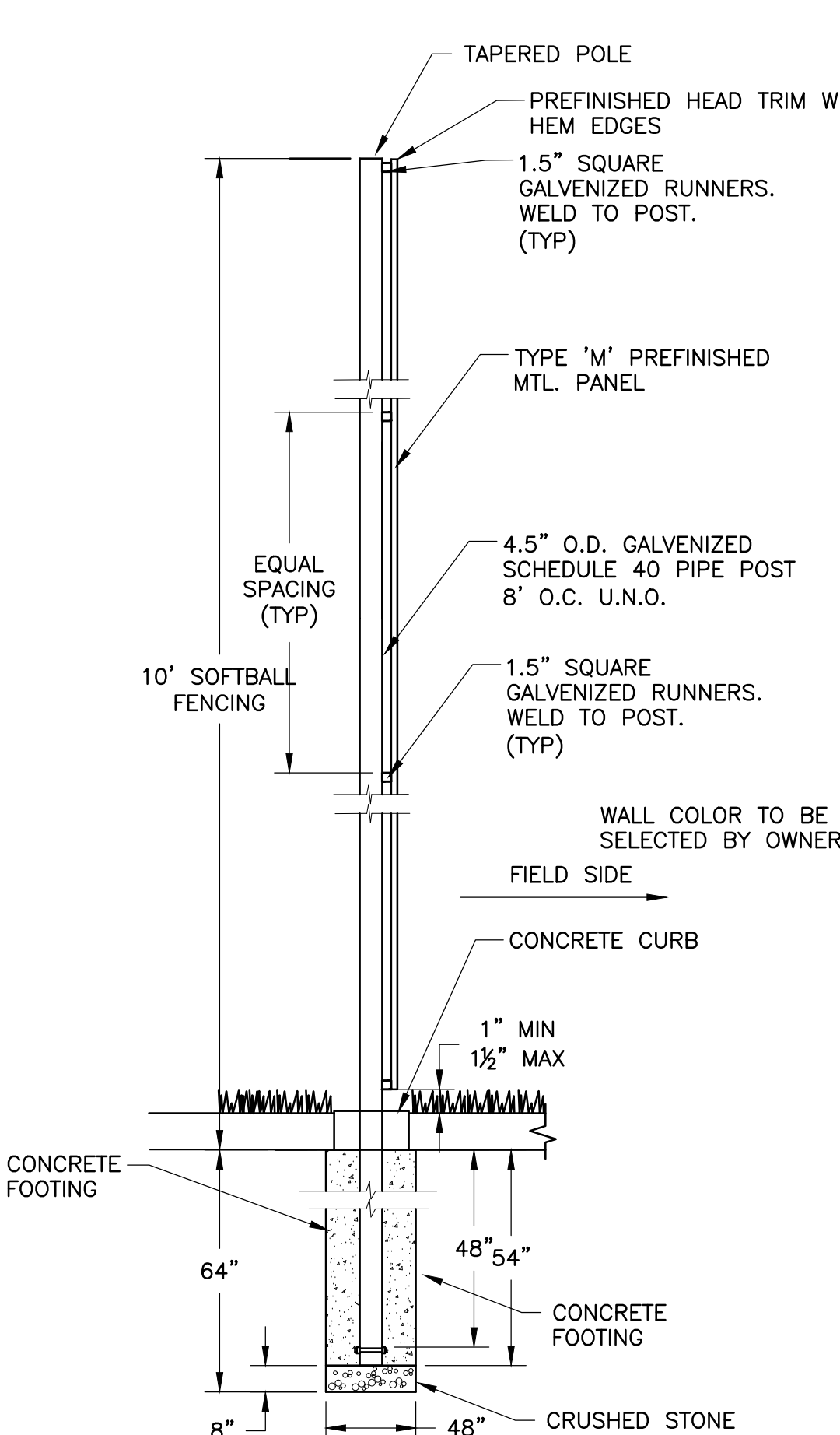
5 BATTING CAGE-SECTION
F2.03 NOT TO SCALE



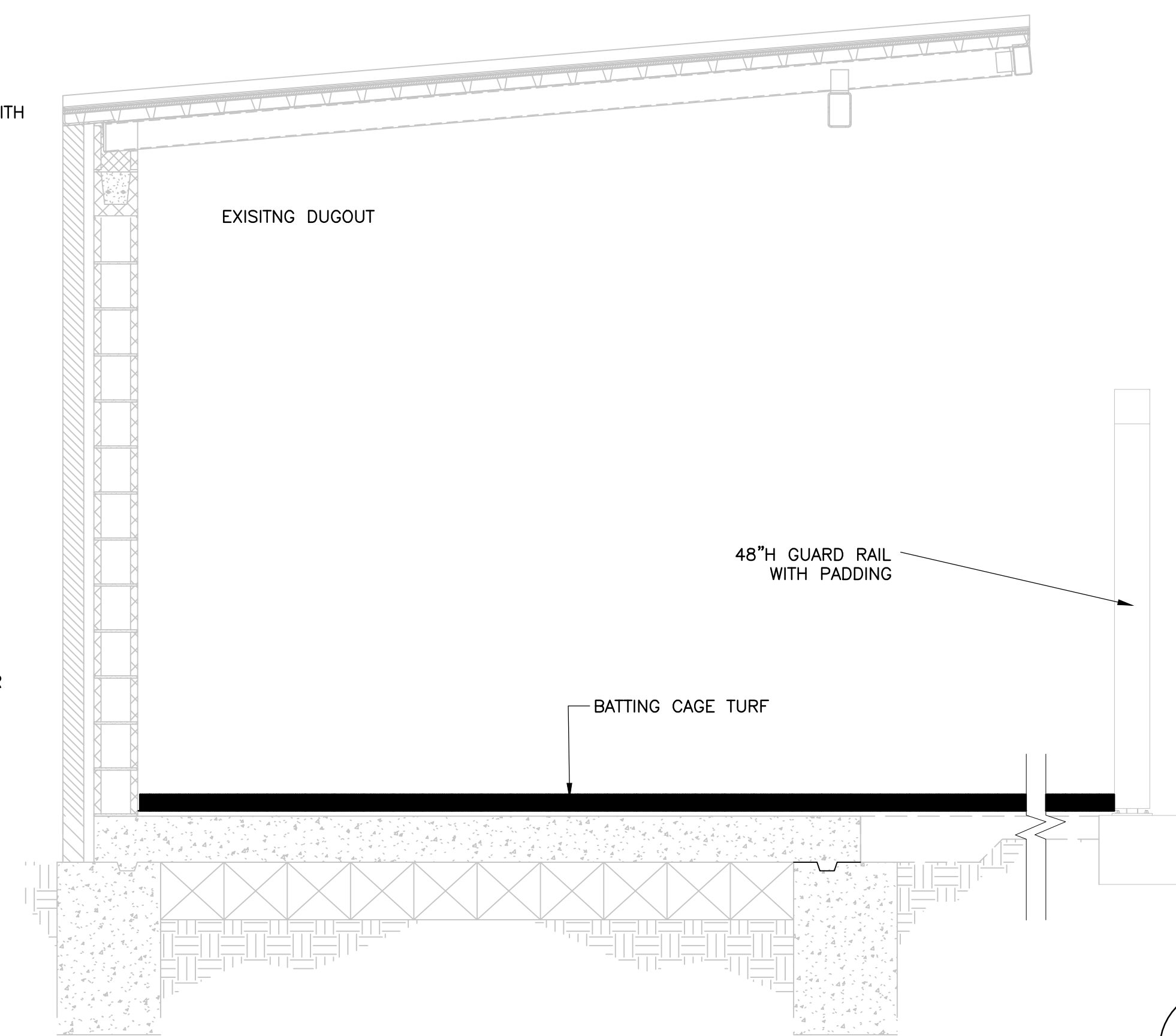
PLAN VIEW
SDFTBALL AND BASEBALL BATTING CAGES
MAY BE SEPARATED OR GANGED AS SHOWN



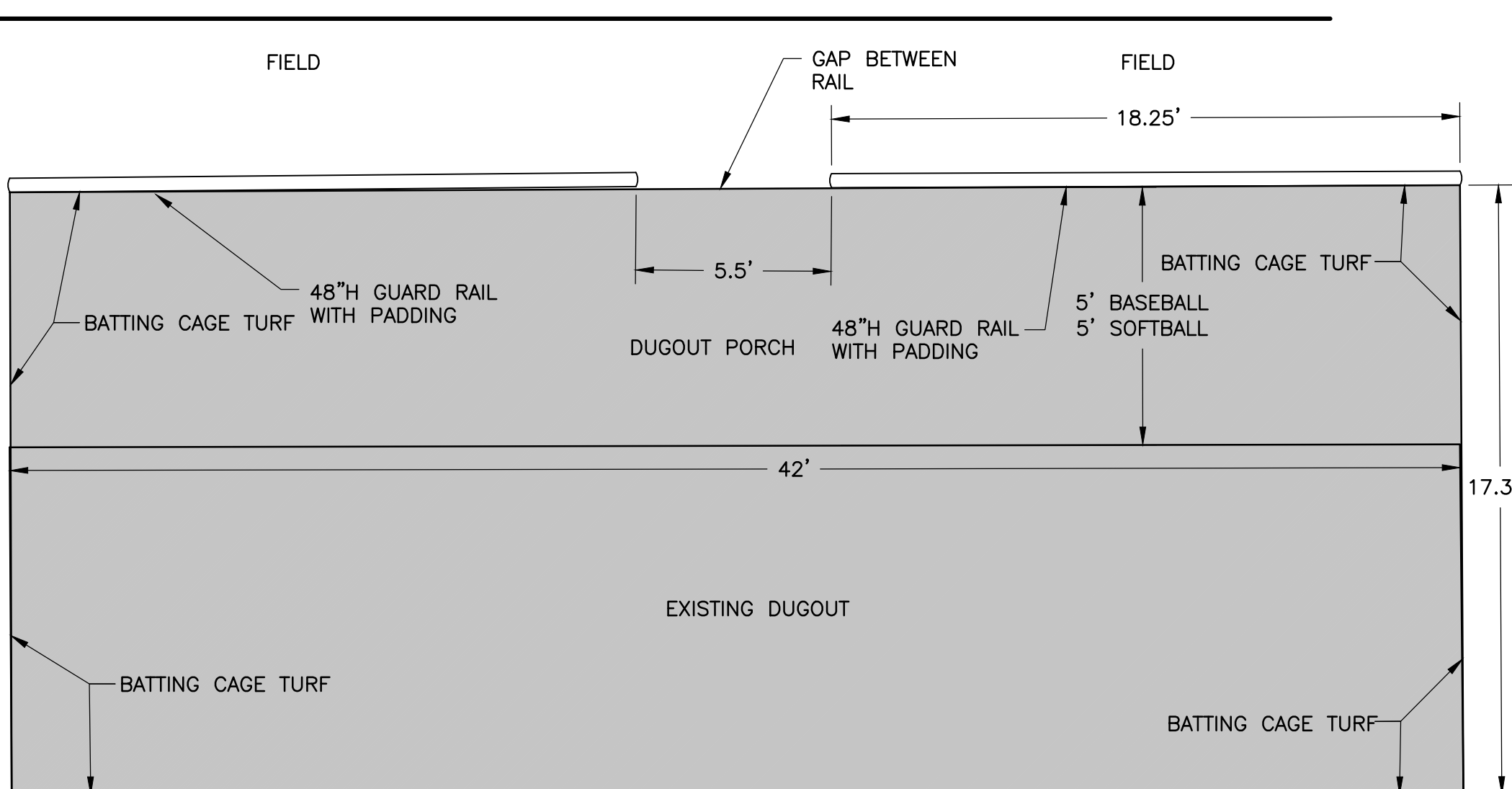
7 BASEBALL/SOFTBALL FENCE EDGE ANCHOR
F2.03 NOT TO SCALE



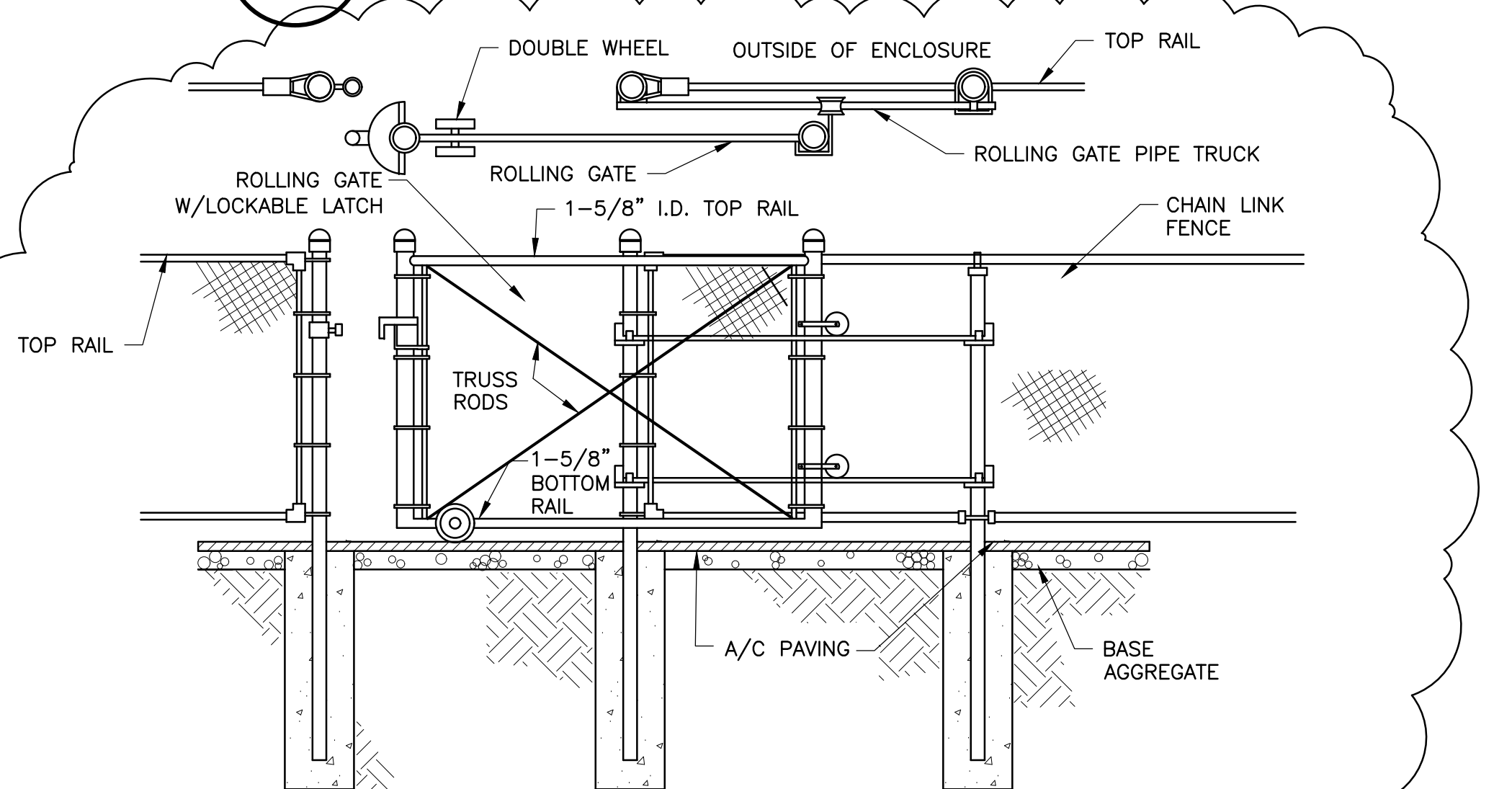
8 "M" PANEL STEEL FENCE SECTION
F2.03 NOT TO SCALE



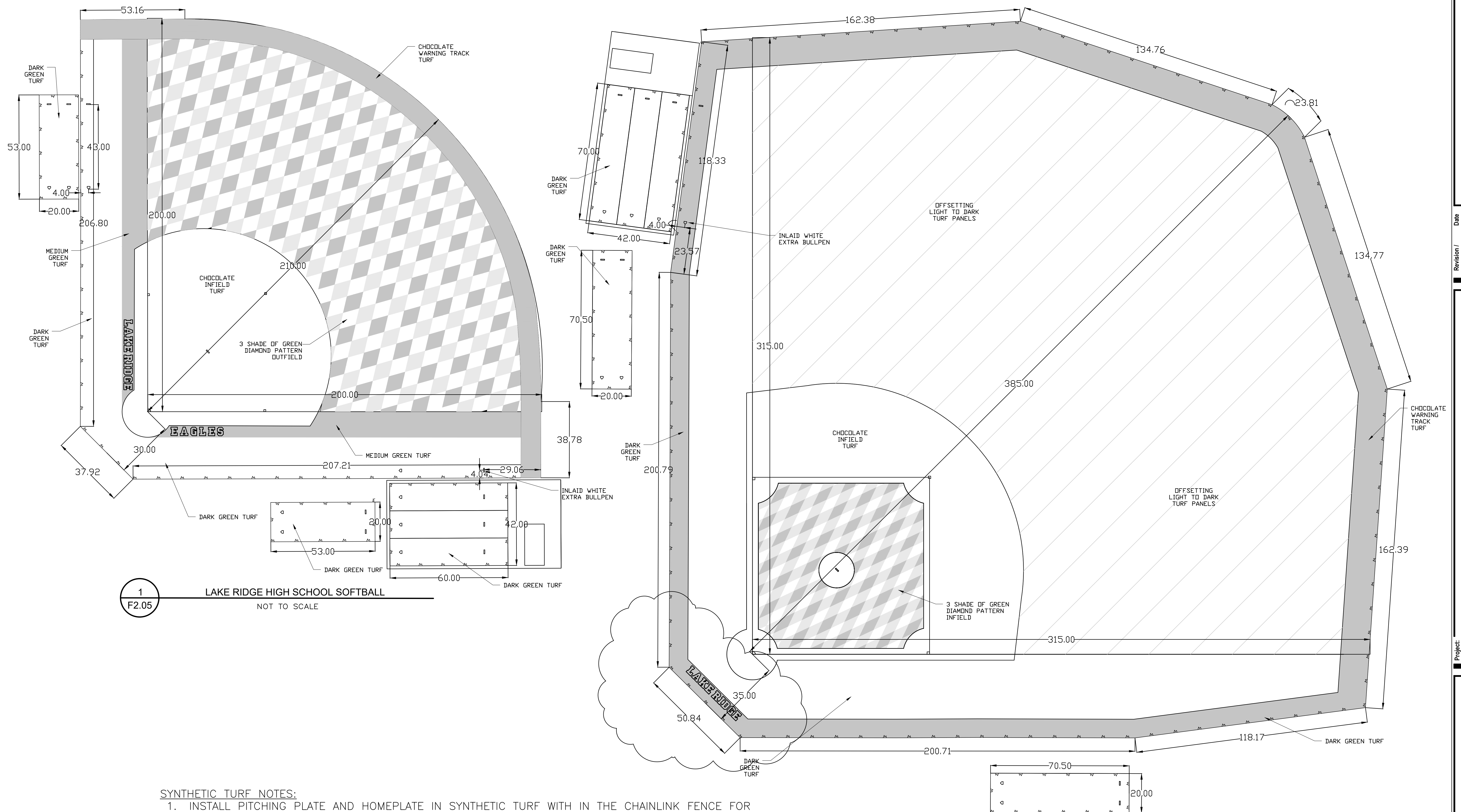
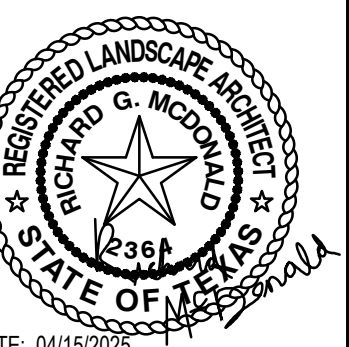
9 DUGOUT WITH GUARD RAIL AND BALL STOPPER
F2.03 NOT TO SCALE



10 DUGOUT WITH GUARD RAIL AND TURF
F2.03 NOT TO SCALE



11 SINGLE ROLLING GATES
F2.03 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.

2 LAKE RIDGE HIGH SCHOOL BASEBALL
F2.05 NOT TO SCALE

Diagram illustrating the dimensions for the Lake Ridge Eagles logo:

- 4" WHITE BORDER
- LAKE RIDGE GREEN LETTER
- 3.5"
- 4.5"
- 3.5"
- 4.5"

3
F2.05

LAKE RIDGE HS LAYOUT

NOT TO SCALE

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
2899 OLYMPUS BLVD, SUITE 105
DALLAS, TX 75219
PHONE (917) 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 REGARD 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

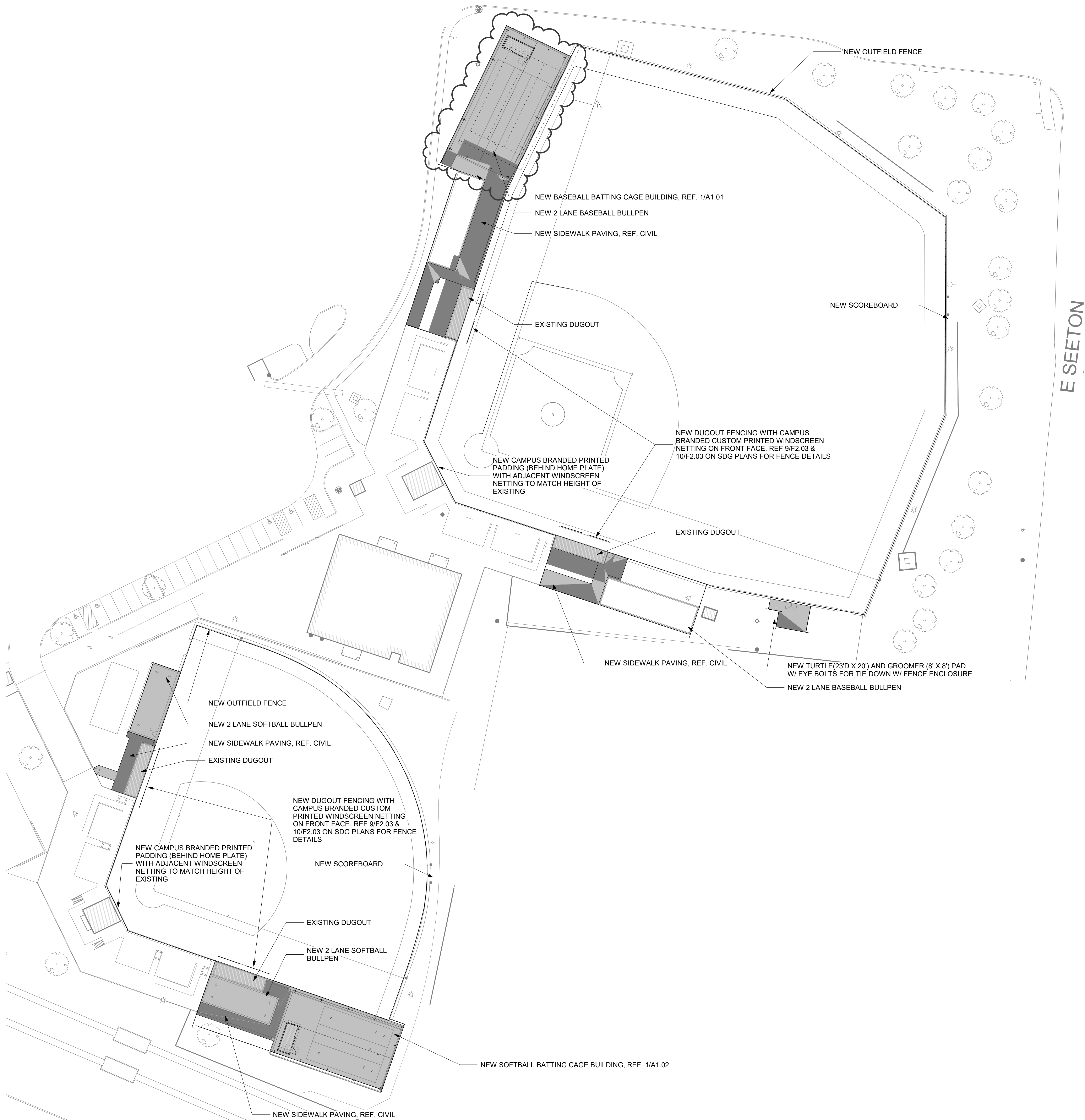
1) OWNER INFORMATION

A. NAME : MANSFIELD ISD
B. ADDRESS: 695 EAST BROAD ST., MANSFIELD, TX 76063

2) PROPERTY INFORMATION

A. NAME: MANSFIELD LAKE RIDGE HIGH SCHOOL
B. ADDRESS: 101 N. DAY MIAR ROAD, MANSFIELD, TX 76063

PROPERTY & PARKING NOTES



1 SITE PLAN
1" = 30'-0"

Addendum #01

Date 04/29/25

Revision / 1

LAKE RIDGE HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANSFIELD ISD,
MANSFIELD, TEXAS

Project:



Huckabee
www.huckabee-inc.com
800.887.1229

ARCHITECTURAL SITE PLAN

Job No.

01885-07-02

Drawn By:

MS

Date:

04/15/2025

Sheet No.

AS1.01

PAINTING AND COATING				
KEY	MATERIAL	MANUFACTURER	COLOR/NUMBER	COMMENTS
PNT01	PAINT	SHERWIN WILLIAMS	DOMINO SW 6889	BATTING CAGE CMU WALLS & ALL SIDE OF DUGOUT METAL CANOPY, METAL SCREEN & SUPPORTS
PNT02	PAINT	SHERWIN WILLIAMS	BILLIARD GREEN SW 0016	BATTING CAGE

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:

- THE CONTRACT DOCUMENTS ARE COMPRISED OF BOTH THE DRAWINGS AND THE SPECIFICATIONS.
- ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS SHOWN ARE TO FACE OF C.F.M.F. MASONRY OR CONCRETE, U.N.O.
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS.
- SEE SPECIFICATIONS AND G3 SHEETS FOR ADDITIONAL MASONRY AND CMF PARTITION REQUIREMENTS.
- SEE PLUMBING PLANS AND ENLARGED FLOOR PLANS FOR LOCATIONS OF FIXTURES.
- REF. DOOR SCHEDULES AND DETAILS FOR MASONRY ROUGH OPENING SIZES.
- VERIFY ALL MASONRY OPENINGS WITH MANUFACTURERS' PRODUCTS (E.G. FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, ETC.).
- 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.

GENERAL FLOOR PLAN NOTES

FIRE EXTINGUISHER (WALL MOUNTED) - REF. SPEC. SECT. 10.4400. PROVIDE TYPE "K" @ KITCHEN AREAS.

FIRE EXTINGUISHER CABINET - REF. SPEC. SECT. 10.4400. PROVIDE TYPE "K" @ KITCHEN AREAS.

DOOR ASSEMBLY NUMBER - REF. SCHEDULE ON A3 SH1S.

WINDOWSTOREFRONT/CURTAIN WALL ASSEMBLY TYPE - REF. AS SH1S.

SPECIAL OPENING NUMBER (ROLLING DOOR) - REF. SCHEDULE ON A3 SH1S.

CALLOUT REFERENCE

WALL SECTION REFERENCE

ELEVATION REFERENCE

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

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 - 1/8" NAT CHANNEL

2 - 1/8" CMF

3 - 2 1/2" CMF

4 - 3/8" CMF OR CMU

6 - 6" CMF OR 5 5/8" CMU

8 - 8" CMF OR 7 5/8" CMU

10 - 9 5/8" CMU

12 - 11 5/8" CMU

PARTITION NOTES:

- 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.
- UNTAGGED PARTITIONS AND COLUMN FURRINGS SHOULD BE ASSUMED TO BE "TYPICAL" FOR BIDDING PURPOSES. THE "TYPICAL" OYP BOARD PARTITION IS TYPE M6. ACOUSTICAL TO DECK AND THE "TYPICAL" OYP BOARD COLUMN FURRING AND CHASES IS M6. NON-ACOUSTICAL TO 6' ABOVE CEILING U.N.O.
- THE "TYPICAL" MASONRY PARTITION IS TYPE A6. NON-ACOUSTICAL TO EXTEND 4' ABOVE CEILING OR NEAREST 8" COURSE ABOVE CEILING AND THE "TYPICAL" MASONRY COLUMN FURRING IS A6. NON-ACOUSTICAL TO EXTEND 4' ABOVE CEILING OR NEAREST 8" COURSE ABOVE CEILING. ANY UNTAGGED PARTITIONS WHICH APPEAR TO BE INCONSISTENT WITH THESE "TYPICAL" DESCRIPTIONS SHOULD BE VERIFIED WITH THE ARCHITECT PRIOR TO CONSTRUCTION.

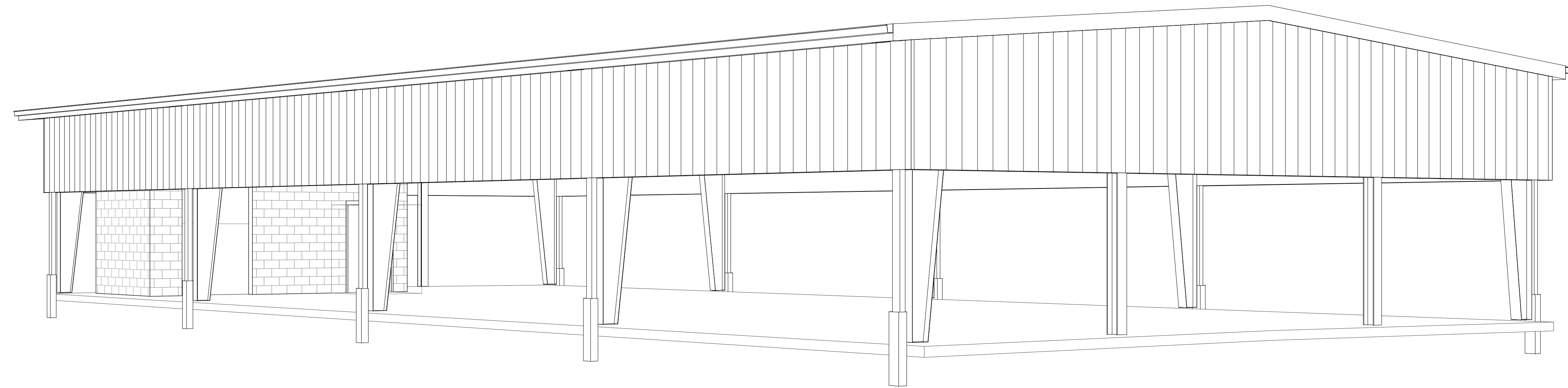
REF. G3 SHEETS FOR EXTERIOR WALL TYPES AND INTERIOR PARTITION TYPE ASSEMBLIES.

PARTITION LEGEND

BATTING CAGE FINISH NOTES

- ALL PEMB STRUCTURAL FRAMING TO BE PAINTED PNT02.
- PEMB METAL WALL PANEL AND ROOF PANELS TO BE DARK GREEN. PROVIDE SAMPLES FOR FINAL SELECTION BY OWNER/ARCHITECT.
- PEMB METAL ROOF PANELS TO BE DARK GREEN.
- CMU WALLS TO BE PAINTED PNT01.

BATTING CAGE FINISH NOTES



8 BASEBALL PERSPECTIVE

PEMB METAL ROOFING- BY PEMB, REF. SPECIFICATIONS

GUTTER - SQUARE - COORDINATE WITH PEMB MFG

PEMB METAL WALL - BY PEMB, REF. SPECIFICATIONS

STRUCTURAL BY PEMB MANUFACTURER

DOWNSPOUTS - SQUARE - COORDINATE WITH PEMB MFG

8x8x16 CMU, PAINTED PNT01

116' - 9 1/4" T.O. RIDGE

1" / 12"

6' - 0"

108' - 0" T.O. OPEN

100' - 0" FIN FLOOR

5 SECTION

PEMB METAL ROOFING- BY PEMB, REF. SPECIFICATIONS

PEMB METAL WALL - BY PEMB, REF. SPECIFICATIONS

STRUCTURAL BY PEMB MANUFACTURER

DOWNSPOUTS - SQUARE - COORDINATE WITH PEMB MFG

8x8x16 CMU, PAINTED PNT01

116' - 9 1/4" T.O. RIDGE

108' - 0" T.O. OPEN

100' - 0" FIN FLOOR

4 SECTION

PEMB METAL ROOFING- BY PEMB, REF. SPECIFICATIONS

GUTTER - SQUARE - COORDINATE WITH PEMB MFG

PEMB METAL WALL - BY PEMB, REF. SPECIFICATIONS

STRUCTURAL BY PEMB MANUFACTURER

DOWNSPOUTS - SQUARE - COORDINATE WITH PEMB MFG

8x8x16 CMU, PAINTED PNT01

116' - 9 1/4" T.O. RIDGE

1" / 12"

6' - 0"

108' - 0" T.O. OPEN

100' - 0" FIN FLOOR

3 ELEVATION

PEMB METAL ROOFING- BY PEMB, REF. SPECIFICATIONS

PEMB METAL WALL - BY PEMB, REF. SPECIFICATIONS

STRUCTURAL BY PEMB MANUFACTURER

DOWNSPOUTS - SQUARE - COORDINATE WITH PEMB MFG

8x8x16 CMU, PAINTED PNT01

116' - 9 1/4" T.O. RIDGE

108' - 0" T.O. OPEN

100' - 0" FIN FLOOR

2 ELEVATION

PEMB METAL ROOFING- BY PEMB, REF. SPECIFICATIONS

PEMB METAL WALL - BY PEMB, REF. SPECIFICATIONS

STRUCTURAL BY PEMB MANUFACTURER

DOWNSPOUTS - SQUARE - COORDINATE WITH PEMB MFG

8x8x16 CMU, PAINTED PNT01

116' - 9 1/4" T.O. RIDGE

108' - 0" T.O. OPEN

100' - 0" FIN FLOOR

PAINT CANOPY, SUPPORTS, AND METAL SCREEN PNT01, TYP.

POWERWASH EXISTING DUGOUT MASONRY REMOVE ALL EXISTING EQUIPMENT TO PREP MASONRY SURFACE FOR CLEANING. RETURN EQUIPMENT TO ORIGINAL LOCATION AFTER CLEANING

7 TYPICAL DUGOUT ELEVATION

118" = 1'-0"

REMOVE ANY EXISTING METAL SCREEN ON FACE OF DUGOUTS, TYP.

PAINT ALL SIDES OF DUGOUT CANOPY, METAL SCREEN, AND SUPPORTS PNT01

BASEBALL/SOFTBALL: PAINT INSIDE WALLS OF DUGOUT PNT01

REMOVE ALL EXISTING EQUIPMENT TO PREP MASONRY SURFACE FOR CLEANING. RETURN EQUIPMENT TO ORIGINAL LOCATION AFTER CLEANING

POWERWASH EXISTING DUGOUT MASONRY

6 TYPICAL DUGOUT FLOOR PLAN

118" = 1'-0"

1 FLOOR PLAN - BASEBALL BATTING CAGES

REFERENCE 5/F2.03 FOR NETTING

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

NET ACCESS

FIXED NETTING

RETRACTABLE NETTING

BB STORAGE

118" = 1'-0"

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

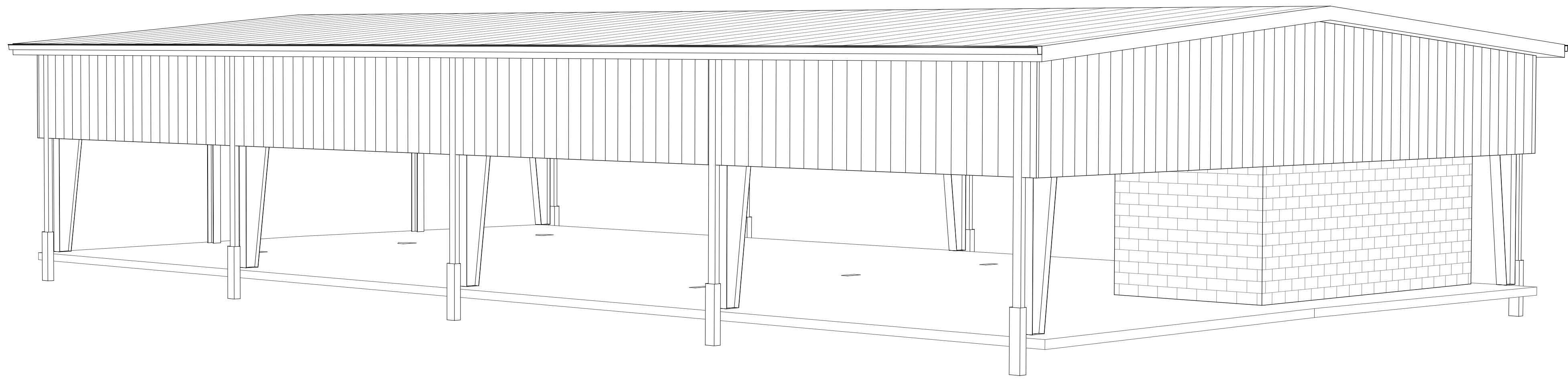
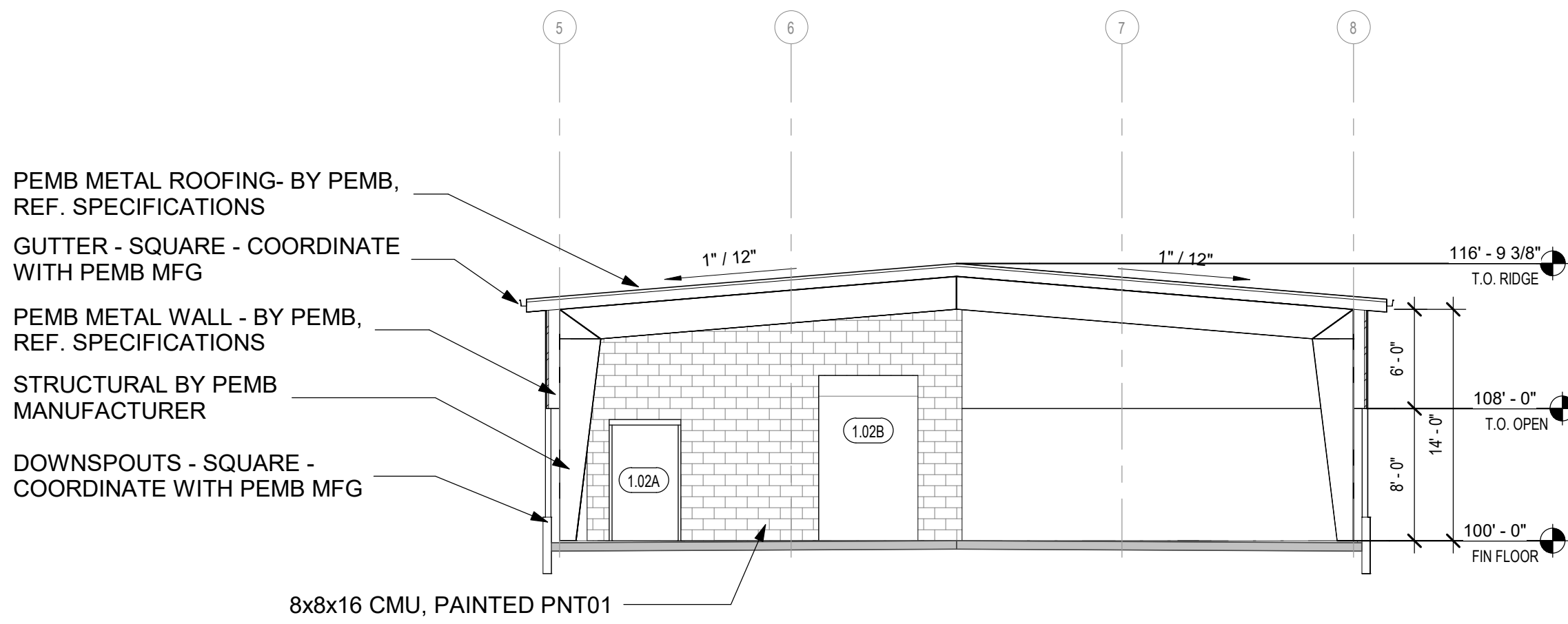
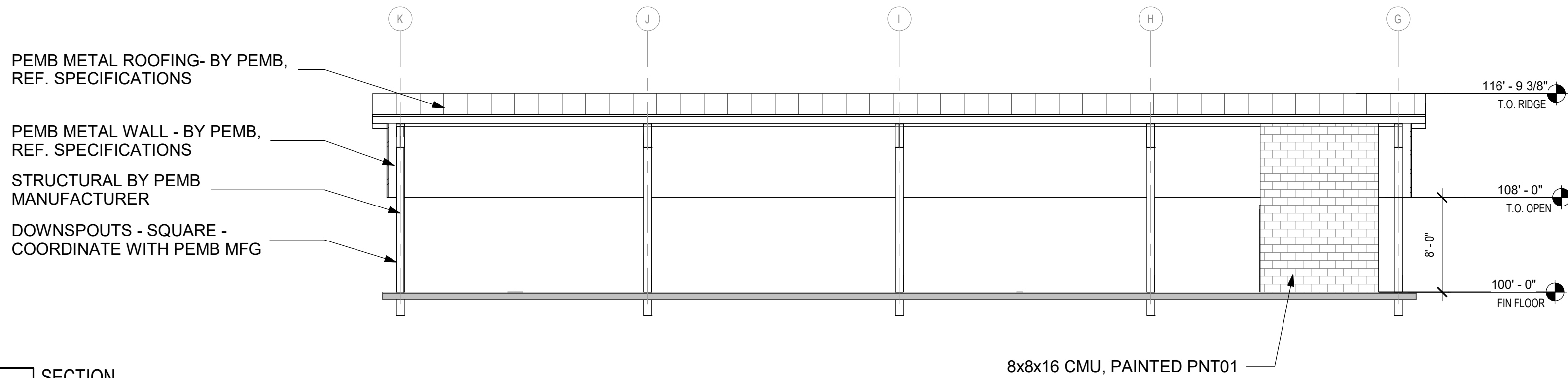
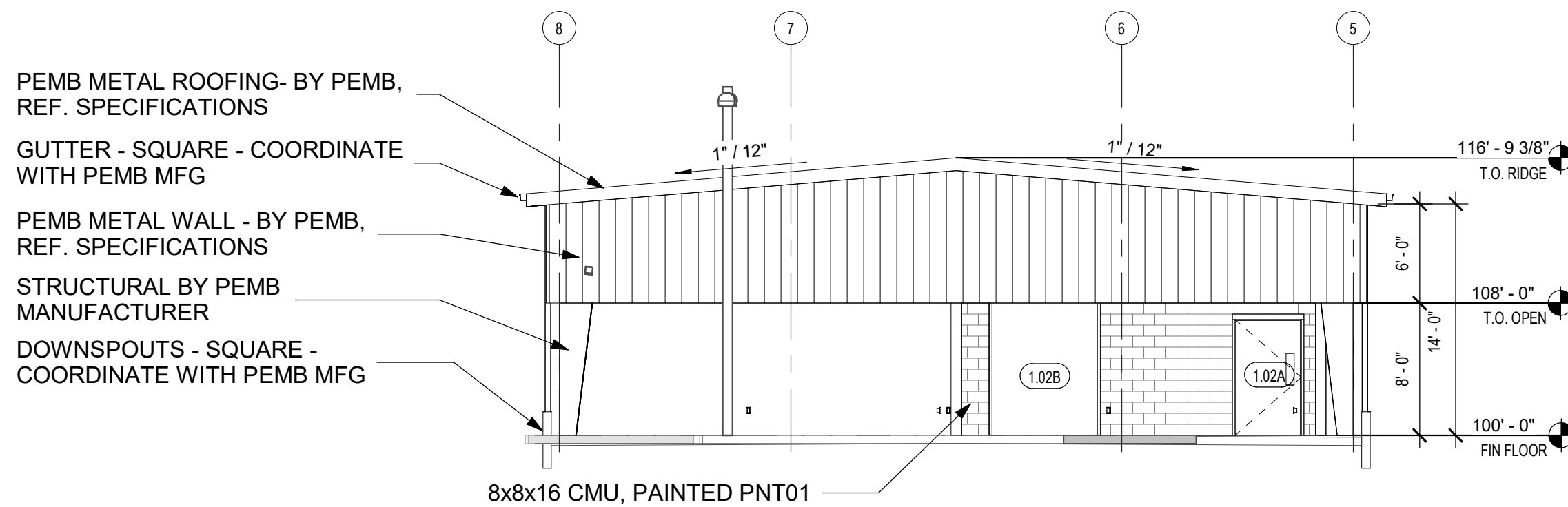
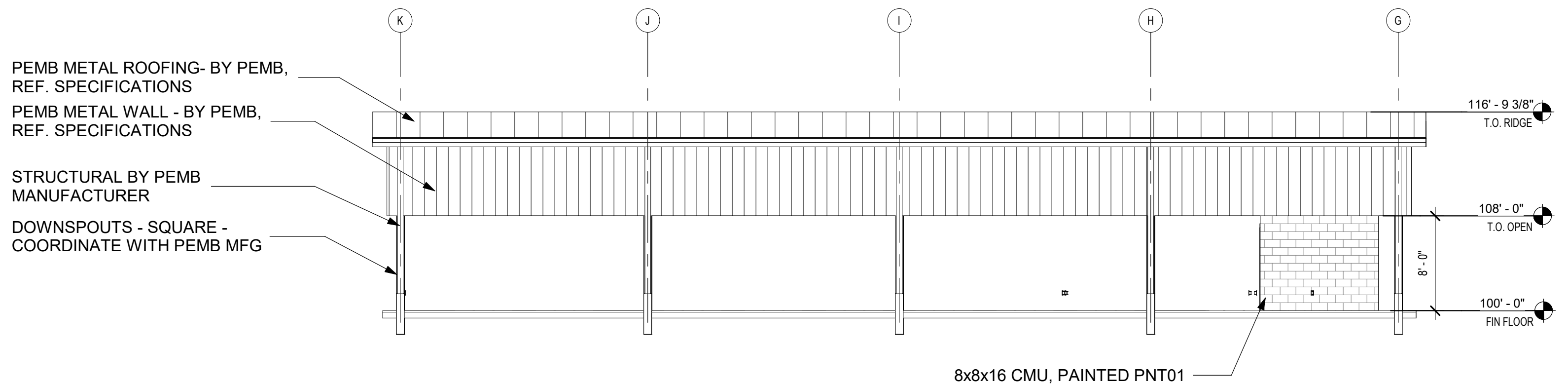
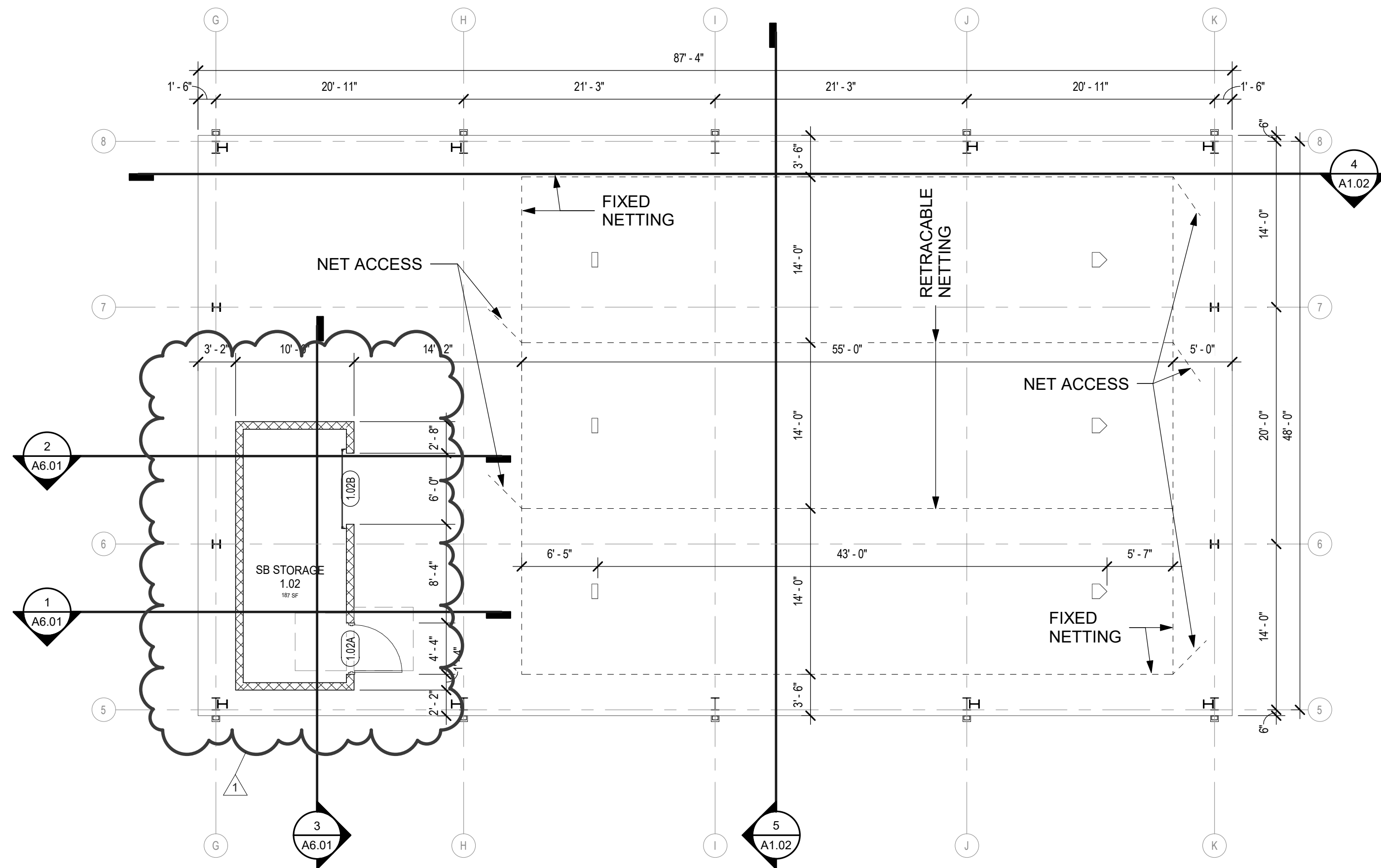
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MASTER FLOOR PLAN -
BASEBALL

Job No.
01885-07-02
Drawn By:
PC
Date:
04/15/2025
Sheet No.
A1.01

6 SOFTBALL PERSPECTIVE**5** SECTION
1/8" = 1'-0"**4** SECTION
1/8" = 1'-0"**3** ELEVATION
1/8" = 1'-0"**2** ELEVATION
1/8" = 1'-0"**1** FLOOR PLAN - SOFTBALL BATTING CAGES
1/8" = 1'-0"

REFERENCE 5/F2.03 FOR NETTING

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

PAINTING AND COATING				
KEY	MATERIAL	MANUFACTURER	COLOR/NUMBER	COMMENTS
PNT01	PAINT	SHERWIN WILLIAMS	DOMING SW 6989	BATTING CAGE CMU WALLS & ALL SIDE OF DUGOUT METAL CANOPY, METAL SCREEN & SUPPORTS
PNT02	PAINT	SHERWIN WILLIAMS	BILLARD GREEN SW 0016	BATTING CAGE

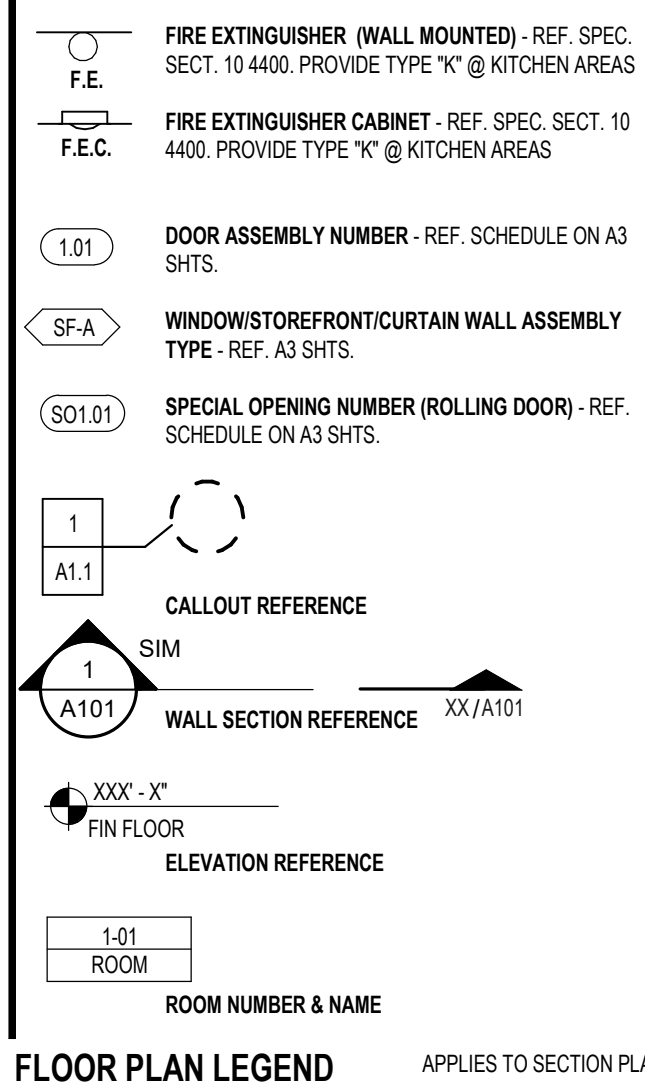
THE MASTER FLOOR PLAN SHOWS THE OVERALL BUILDING
CONFIGURATION AND THE RELATIONSHIP OF THE PLAN AREAS
WHICH FOLLOW. REFER TO LARGER SCALE FLOOR PLANS AND
PLAN DETAILS FOR ADDITIONAL INFORMATION AND CONSTRUCTION
REQUIREMENTS. MASTER PLAN LEGENDS ALSO APPLY TO 1/8"
SCALE FLOOR PLAN AREAS.

MASTER FLOOR PLAN

NOTES:

- THE CONTRACT DOCUMENTS ARE COMPRISED OF BOTH THE
DRAWINGS AND THE SPECIFICATIONS.
- ALL ARCHITECTURAL FLOOR PLAN DIMENSIONS SHOWN ARE TO
FACE OF C.F.M.F. MASONRY OR CONCRETE, U.N.O.
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL
REINFORCEMENT REQUIREMENTS.
- SEE SPECIFICATIONS AND G3 SHEETS FOR ADDITIONAL
MASONRY AND CMF PARTITION REQUIREMENTS.
- SEE PLUMBING PLANS AND ENLARGED FLOOR PLANS FOR
LOCATIONS OF FIXTURES.
- REF. DOOR SCHEDULES AND DETAILS FOR MASONRY ROUGH
OPENING SIZES.
- VERIFY ALL MASONRY OPENINGS WITH MANUFACTURERS'
PRODUCTS (E.G. FIRE EXTINGUISHER CABINETS, ELECTRICAL
PANELS, ETC.).
- 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.

GENERAL FLOOR PLAN NOTES



FLOOR PLAN LEGEND APPLIES TO SECTION PLANS

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

MASONRY VENEER

STANDARD CMU

ARCHITECTURAL CMU (ACMU)

PARTITION TYPE TAGS

AS 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" CMF

3-2 1/2" CMF

4-3 5/8" CMF OR CMU

6-6" CMF OR 5 5/8" CMU

8-8" CMF OR 7 5/8" CMU

10-9 5/8" CMU

12-11 5/8" CMU

PARTITION NOTES:

- 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.

- UNTAGGED PARTITIONS AND COLUMN FURRINGS SHOULD BE
ASSUMED TO BE "TYPICAL" FOR BIDDING PURPOSES. THE
"TYPICAL" GYP BOARD PARTITION IS TYPE AS, ACOUSTICAL, TO
DECK, AND THE "TYPICAL" GYP BOARD COLUMN FURRING AND
CHASIS IS AS, NON-ACOUSTICAL, TO 6' ABOVE CEILING U.N.O.

- THE "TYPICAL" MASONRY PARTITION IS TYPE AS, NON-
ACOUSTICAL, TO EXTEND 4' ABOVE CEILING OR NEAREST 8"
COURSING ABOVE CEILING, AND THE "TYPICAL" MASONRY
COLUMN FURRING IS AS, NON-ACOUSTICAL, TO EXTEND 4'
ABOVE CEILING OR NEAREST 8" COURSING ABOVE CEILING. ANY
UNTAGGED PARTITIONS WHICH APPEARS 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

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

BATTING CAGE FINISH NOTES

Addendum #01

Date
04/29/25Revision /
1LAKE RIDGE HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANFIELD IS.D.
MANFIELD, TEXAS

Project:



04.29.25

Huckabee
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800.687.1229MASTER FLOOR PLAN -
SOFTBALL

Job No.

01885-07-02

Drawn By:

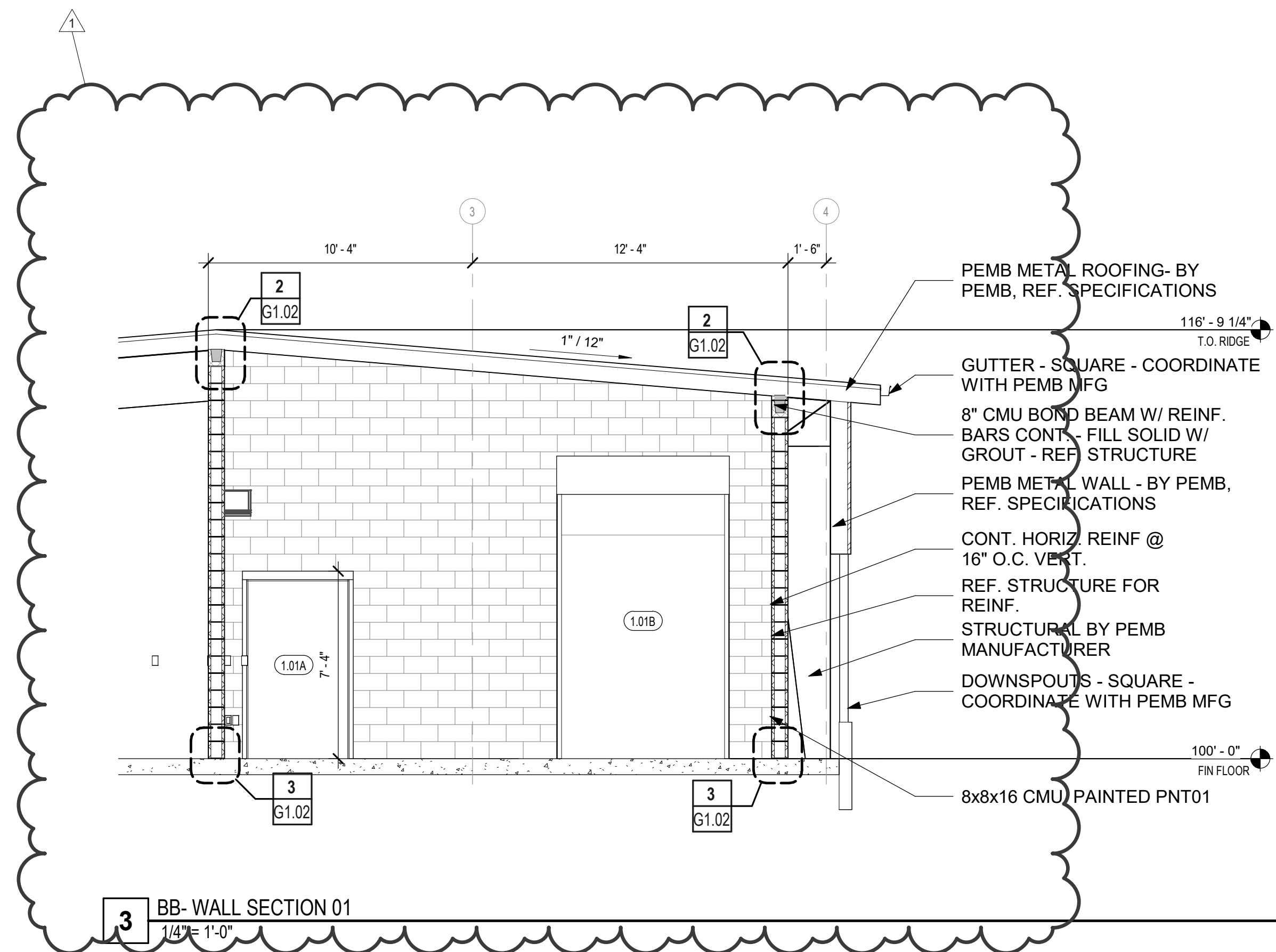
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Date:

04/15/2025

Sheet No.

A1.02



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 THE 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 SOLIDER OUTSIDE CORNERS. (FWX3 WP)
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.
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 OTHER CONDITIONS PROVIDE TIES AS SPECIFIED AT 16" O.C.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 44 SHEETS FINISH SCHED & INTERIOR ELEVATIONS FOR REQUIRED MATERIALS & MATERIAL PATTERNS.

TYPICAL WALL SECTION NOTES
APPLICABLE TO ALL 46 SHEETS

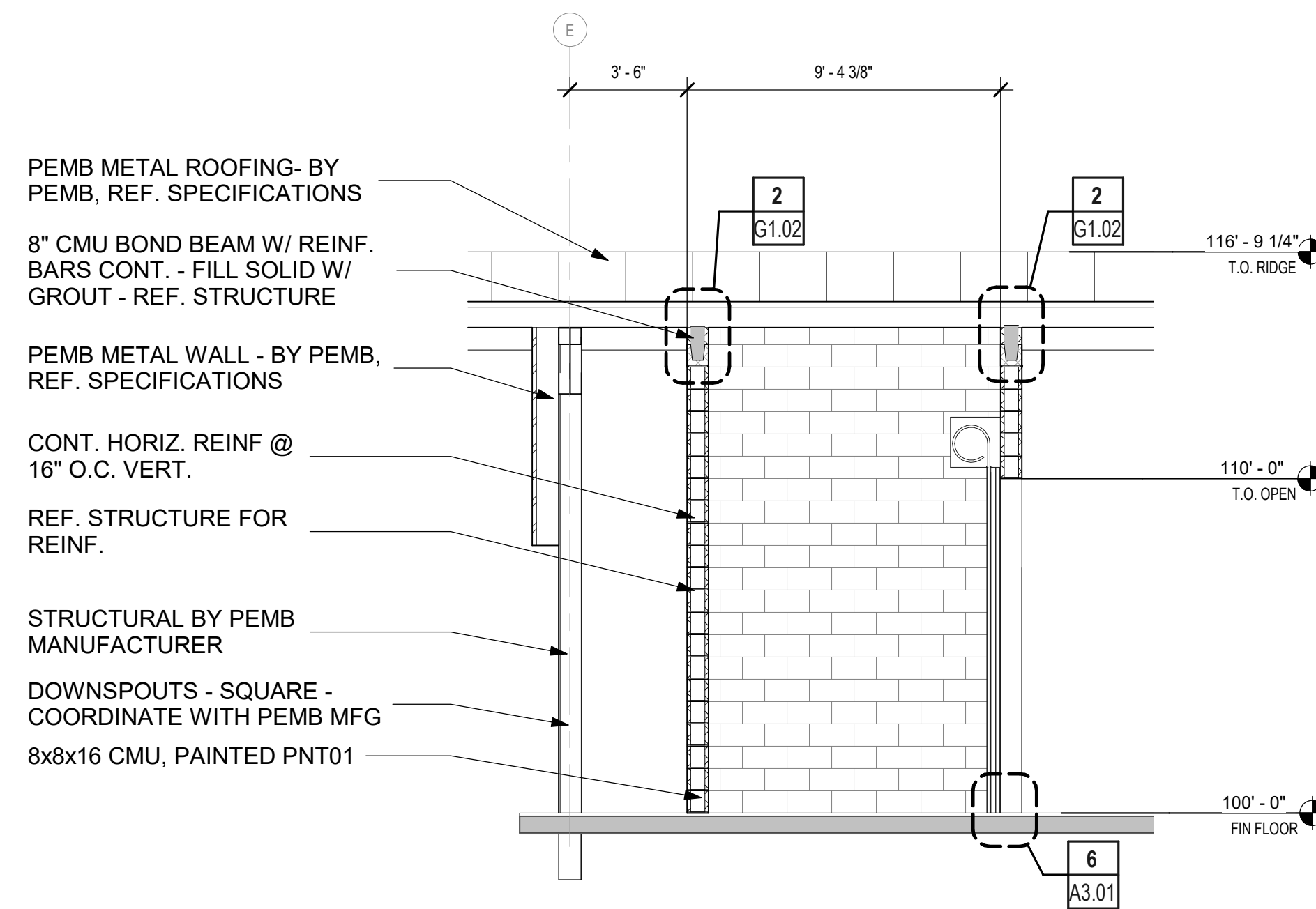
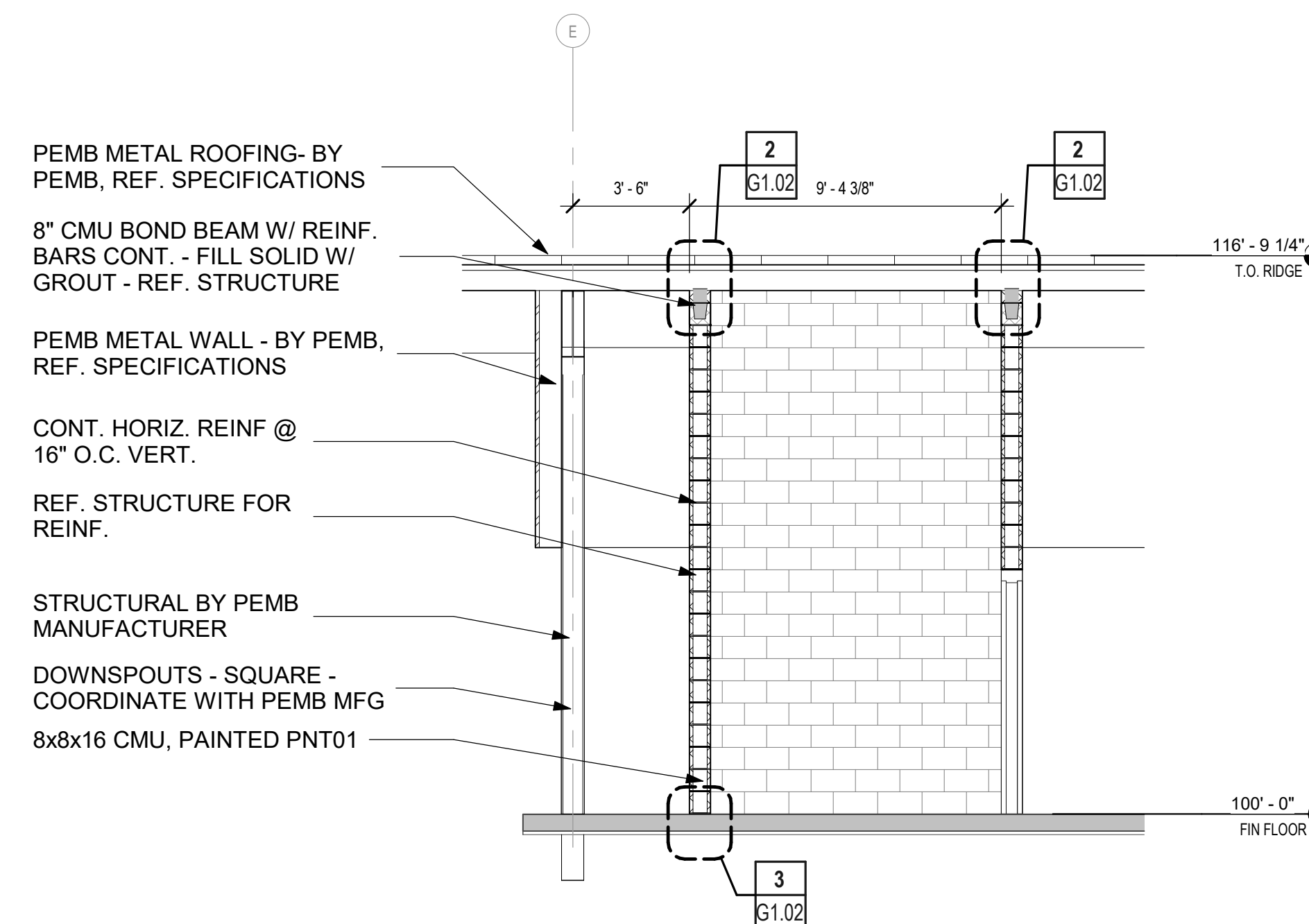
LETTER INDICATES EXTERIOR WALL	
W200	NUMBER INDICATES BACKUP CONSTRUCTION AS FOLLOWS:
	100 - CFMF
	200 - CMU
	300 - ICF
	400 - STRUCTURAL CONC.
	PRECAST PANEL
	REF. SHT. G3.01 FOR SPECIFIC WALL TYPES

EXTERIOR WALL TYPE LEGEND

LETTER INDICATES EXTERIOR WALL

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

DUGOUT FINISH NOTES

2 BB-WALL SECTION 02
1/4" = 1'-0"1 BB-WALL SECTION 03
1/4" = 1'-0"LAKE RIDGE HIGH SCHOOL
BB - SB RENOVATIONS
FOR
MANFIELD I.S.D.
MANFIELD, TEXAS

Project:



04.29.25

Huckabee

www.huckabee-inc.com
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BUILDING AND WALL SECTIONS

Job No.

01885-07-02

Drawn By:

MS

Date:

04/15/2025

Sheet No.

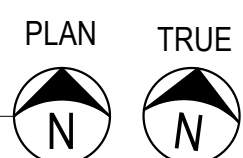
A6.01

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 ASIF 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/ISCTE 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, #86 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 100A PANELBOARD ("EATON" FR1A) IN PRESS BOX AND CONNECT NEW FEEDER FOR NEW PANELBOARD. VERIFY EXISTING CONDITIONS AT SITE PRIOR TO BID.
5. SAWCUT EXISTING SIDEWALK AND REPAIR TO MATCH SURROUNDING.
6. RUN NEW FEEDER WITH 4 #3, #66 IN 1-1/2" CONDUIT UNDERGROUND WITH MIN. 24" COVER. ROUTE SHOWN IS PROPOSED. ADJUST AS REQUIRED.
7. 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.
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 ASIF 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.
15. EXISTING FIELD LIGHTING POLE FIXTURES TO REMAIN IN PLACE AND BE MODIFIED OR RE-ARMED 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.
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 WIP 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.

1 SITE PLAN - ELECTRICAL
1" = 30'-0"

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CONDUIT IN CEILING OR WALL CONSTRUCTION ARROW = HOMERUN
	LIGHTING FIXTURE - UNSWITCHED NIGHT LIGHT
	LIGHTING FIXTURE - LETTER = TYPE
	LIGHTING FIXTURE - LETTER = TYPE
	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.
	SWITCHES - SINGLE POLE, DOUBLE POLE, 3-WAY, 4-WAY, KEYED
	MOTOR RATED SWITCH
	DIMMER SWITCH
	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
	RELAY (SEE SPECIFICATIONS)
	ELECTRICAL PANEL, DIMMER PANEL, CONTROL PANEL, ETC.
	MOTOR, SIZED AS NOTED
	SAFETY SWITCHES - FUSIBLE, NON-FUSIBLE
	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
	WEATHERPROOF
	MANUAL PULL STATION
	SMOKE DETECTOR, HEAT DETECTOR, CARBON MONOXIDE DETECTOR, DUCT DETECTOR
	WALL MOUNTED HORN OR SPEAKER WITH VISIBLE STROBE LIGHT
	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
	ELECTROMAGNETIC DOOR HOLD OPEN

GENERAL ELECTRICAL NOTES

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

- 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-APPROVED 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.
- EQUIVALENT FIXTURES SHALL HAVE LUMEN PACKAGES WITHIN 10% OF SPECIFIED FIXTURE LUMEN OUTPUT.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- 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				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	5 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	5 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		--	--	20 A	1			0 A	0 A	1	20 A	--		A1-14	
A1-15	SPARE	--	--	20 A	1				0 A	0 A	1	20 A	--	SPARE	A1-16
A1-17	SPARE	--	--	20 A	1						1	20 A	--	SPARE	A1-18
TOTAL LOAD:						2588 VA	3390 VA	3182 VA							
TOTAL AMPS:						22 A	29 A	27 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	4 A									A2-8	
A2-9	RECEPTACLE - BATTING CAGE	1-#12, 1-#12, 1-#12	3/4"	20 A	1			10 A	4 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																	
A2-15	SPARE	--	--	20 A	1			0 A	0 A		1	20 A	--	--		A2-14	
A2-17	SPARE	--	--	20 A	1					0 A	0 A	1	20 A	--	--	A2-16	
TOTAL LOAD:						2401 VA	3202 VA	3182 VA									
TOTAL AMPS:						20 A	28 A	28 A									