Addendum 02
Pasadena ISD Softball Complex
Pasadena ISD

CSP#26P-024LP

3815 Montrose Blvd
Suite 123
Houston, Texas 77006
713.526.cre8 (2738)

12 December 2025

cre8 ARCHITECTS

This addendum modifies the original Bid Proposal Documents dated November 10, 2025 and forms a part of the Contract Documents.

This Addendum consists of 3 pages and the following attachments:

- Specifications: Section 08 71 00 Door Hardware
- Drawings: C6.01, C6.04, C6.07, C7.05, AS1.01, A2.02 SCH, E1.00, E3.02, E6.01, T1.01, T2.02.1, T2.02.2 & T601

The time and date to receive Proposals are not changed by this Addendum

1.0 CHANGES TO PROCUREMENT AND CONTRACTING REQUIREMENTS

Not Used

2.0 CHANGES TO SPECIFICATIONS

01 Section 01 10 00 – Summary, Add Paragraph 1.10.E:
Existing temporary fencing at the perimeter of the site shall be removed by the Owner. New temporary fencing shall be provided by the contractor.

02 Section 01 23 00 – Alternates: Add Paragraph 1.03. F as follows:
F. The amounts for Alternates 1A, 1B, 1C and 1D shall be based on the listed synthetic turf manufacturer and the corresponding subgrade installer listed in the alternate. Any deviation from the named subgrade installer for the corresponding synthetic turf manufacturer is not acceptable.

03 Section 08 71 00 – Door Hardware: Delete and replace with revised Section 08 71 00 issued with this Addendum.

04 Section 10 14 00 - Signage: Omit Article 2.05 - Interior Wall Mounted Characters.

05 Section 11 68 33.33 – Softball Field Equipment, Paragraphs 2.1.A , add subparagraph 3*: Subject to compliance with specified requirements, add Unlimited Sports Solutions as an approved manufacturer.*

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3.0 CHANGES TO DRAWINGS

01 Drawing Sheet C7.05 – Athletic Details: Delete and replace with revised Sheet C7.05 issued with this Addendum.

02 Drawing Sheet AS1.01 – Overall Site Plan: Delete and replace with revised Sheet AS1.01 issued with this Addendum.

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03 Drawing Sheet AS1.02 – Enlarged Site Plans – Field A
a. Revise Keynote 11.6.23 to read: ATHLETIC FORMED METAL PANEL FIELD FENCE.

04 Drawing Sheet AS1.03 – Enlarged Site Plans – Field B
a. Revise Keynote 11.6.23 to read: ATHLETIC FORMED METAL PANEL FIELD FENCE.

05 Drawing Sheet AS1.04 – Enlarged Site Plans – Field C
a. Revise Keynote 11.6.23 to read: ATHLETIC FORMED METAL PANEL FIELD FENCE.

06 Drawing Sheet A2.02 SCH – Level 01 Finish Schedule, Door Schedule & Notes – Area B: Delete and replace with revised Sheet AS1.01 issued with this Addendum.

07 Drawing Sheet E1.00 – Electrical Site Plan: Delete and replace with revised Sheet E1.00 issued with this Addendum.

08 Drawing Sheet E3.02 – Electrical Power Plan – Area B: Delete and replace with revised Sheet E3.02 issued with this Addendum.

09 Drawing Sheet E6.01 – Electrical Panel Schedules: Delete and replace with revised Sheet E6.01 issued with this Addendum.

10 Drawing Sheet T1.01 – Technology Overall Site Plan: Delete and replace with revised Sheet T1.01 issued with this Addendum.

11 Drawing Sheet T2.02.1 – Technology – Ground Level Plan – Area B: Delete and replace with revised Sheet T2.02.1 issued with this Addendum.

12 Drawing Sheet T2.02.2 – Technology – Pressbox – Area B: Delete and replace with revised Sheet T2.02.2 issued with this Addendum.

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13 Drawing Sheet T601– Technology – Security Details: Delete and replace with revised Sheet T601 issued with this Addendum.

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END OF ADDENDUM 02

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:
   1. Mechanical and electrified door hardware for:
      a. Swinging doors.
      b. Gates.
   2. Overhead doors
   3. Electronic access control system components

B. Section excludes:
   1. Windows
   2. Cabinets (casework), including locks in cabinets
   3. Signage
   4. Toilet accessories

C. Related Sections:
   1. Division 01 Section “Alternates” for alternates affecting this section.
   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. "Aluminum-Framed Entrances and Storefronts"
      c. “Special Function Doors”
      d. "Entrances”
   6. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.
   7. Division 26 “Electrical” sections for connections to electrical power system and for low-voltage wiring.
   8. Division 28 “Electronic Safety and Security” sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL - Underwriters Laboratories
   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. Key Systems and Nomenclature

C. NFPA – National Fire Protection Association
   1. NFPA 70 – National Electric Code
   2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
   3. NFPA 101 – Life Safety Code
   4. NFPA 105 – Smoke and Draft Control Door Assemblies
   5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute
   1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
   2. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems

1.03 SUBMITTALS

A. General:
   1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
   2. Prior to forwarding submittal:
      a. Comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, “EXAMINATION” article, herein.
      b. Review drawings and Sections from related trades to verify compatibility with specified hardware.

c. 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. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
a. Wiring Diagrams: For power, signal, and control wiring and including:
1) Details of interface of electrified door hardware and building safety and security systems.
2) Schematic diagram of systems that interface with electrified door hardware.
3) Point-to-point wiring.
4) Risers.
3. 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.
4. 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.
10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.
5. 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.
g. Furnish End User with one copy of Best Access System "Keystone 600N5" key management software program.
6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

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. Factory order acknowledgement numbers (for warranty and service)
   d. Name, address, and phone number of local representative for each manufacturer.
   e. Parts list for each product.
   f. Final approved hardware schedule edited to reflect conditions as-installed.
   g. Final keying schedule
   h. Copies of floor plans with keying nomenclature
   i. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
   j. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that provides certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
   a. Warehousing Facilities: In Project's vicinity.
   b. Scheduling Responsibility: Preparation of door hardware and keying schedules.
   c. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.
   d. Coordination Responsibility: Assist in coordinating installation of electronic security hardware with Architect and electrical engineers and provide installation and technical data to Architect and other related subcontractors.
      1) Upon completion of electronic security hardware installation, inspect and verify that all components are working properly.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with a minimum of three years' experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. All technicians who will be working on site must be a licensed Locksmith thorough DPS and must present pocket card upon request.
4. 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.
   d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.
5. 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 Underwriters Laboratories, 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. Electrified Door Hardware

a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

4. Accessibility Requirements:
   a. Comply with governing accessibility regulations cited in “REFERENCES” article, herein for door hardware on doors in an accessible route.

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) Requirements for access control.
      5) 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. Inspect and discuss electrical roughing-in for electrified door hardware.
   d. Review sequence of operation for each type of electrified door hardware.
   e. Review required testing, inspecting, and certifying procedures.
   f. Review questions or concerns related to proper installation and adjustment of door hardware.
3. Electrified Hardware Coordination Conference:
   a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

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.
C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.
E. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

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) Schlage: 10 years
    2) Exit Devices
        a) Von Duprin: 10 years
    3) Closers
        a) LCN 4000 Series: 30 years
b. Electrical Warranty
    1) Locks
        a) Schlage: 3 years
    2) Exit Devices
        a) Von Duprin: 3 years
    3) Closers
        a) LCN: 2 years
    4) Continuous Hinges
        a) Ives: Lifetime

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 manufacturers and/or products other than those listed as “Scheduled Manufacturer” or “Acceptable Manufacturers” in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
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. Fasteners
    1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
    2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) 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 for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Use sex nuts (rather than thru bolts) wherever feasible. Review door specification and advise Architect if thru bolts are required.
    4. Install hardware with fasteners provided by hardware manufacturer.
B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.
    1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
    2. Use materials which match materials of adjacent modified areas.
    3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.
C. 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.
D. Cable and Connectors: Hardwired Electronic Access Control Lockset and Exit Device Trim:
    1. Data: 24AWG, 4 conductors, shielded, Belden 9843, 9841 or comparable per owner standards.
    2. DC Power: 18 AWG, 2 conductor, Belden 8760 or comparable per owner standards.
    3. Provide type of data and DC power cabling required by access control device manufacturer for this installation.

4. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with sufficient number and wire gauge with standardized Molex plug connectors to accommodate electric function of specified hardware. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.03 HINGES

A. Manufacturers and Products:
   1. Scheduled Manufacturer and Product: Ives 5BB series.

B. Requirements:
   1. Provide hinges conforming to ANSI/BHMA A156.1.
   2. 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
   3. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
      a. Exterior: Continuous Hinges at all openings.
      b. Interior: As scheduled in HW Sets
   4. 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
   5. 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. Provide four hinges at doors over 36 inches.
   6. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
   7. 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
      f. Dutch Doors: Four Hinges
   8. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.
   9. Provide hinges with electrified options as scheduled in the hardware sets. Provide with sufficient number and wire gage to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component.
   10. Provide mortar guard for each electrified hinge if specified.
   11. Provide spring hinges where specified. Provide two spring hinges and one bearing hinge per door leaf for doors 90 inches (2286 mm) or less in height. Provide one additional bearing hinge for each 30 inches (762 mm) of additional door height.
   12. Door Loops are not permitted (unless specifically reviewed/approved by owner).

2.04 CONTINUOUS HINGES

A. Aluminum Geared
   1. Manufacturers:
      a. Scheduled Manufacturer: Ives.
   2. Requirements:
      a. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
      b. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
      c. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
      d. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
      e. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
      f. Install hinges with fasteners supplied by manufacturer.

g. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.05 FLUSH BOLTS

A. Manufacturers:
1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers and Products: No Substitution.

B. Requirements:
1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.
2. Specify: (Trimco) Semi-Auto Flushbolt 3825L (WD) / 3820L (MD) X 3850-AT RATED (TOP ONLY) No Substitution.

2.06 CYLINDRICAL LOCKS – GRADE 1

A. Manufacturers and Products:
1. Scheduled Manufacturer and Product: Schlage ND series.
2. Acceptable Manufacturers and Products: No Substitution.

B. Requirements:
1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3-hour fire doors.
2. Cylinders: Refer to “KEYING” article, herein.
3. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2-inch latch throw. Provide proper latch throw for UL listing at pairs.
4. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
5. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Provide electrified options as scheduled in the hardware sets.
8. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.
a. Lever Design: Schlage Rhodes.

2.07 ELECTRIC POWER TRANSFER

A. Manufacturers:
a. Scheduled Manufacturer: Von Duprin EPT-10.
b. No Substitution

B. Requirements:
1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires sufficient to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer’s template and UL requirements, unless interference with operation of door or other hardware items.

2.08 EXIT DEVICES

A. Manufacturers and Products:
1. Scheduled Manufacturer and Product: Von Duprin 99/33A series.
2. Acceptable Manufacturers and Products: No Substitutions.

B. Requirements:
1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to “KEYING” article, herein.
3. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with “SNB” thru bolts as specified in the hardware sets except at steel stiffened core hollow metal doors with stiffeners located 6” O.C.
9. Provide Steel Sex-Nuts at rated doors.

10. Provide exit devices with manufacturer's approved strikes.
11. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
12. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
13. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
14. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and were noted in hardware sets.
15. Provide electrified options as scheduled.
16. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
17. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.
18. Provide cylinder dogging with special indicator (CDSI) as specified at non-fire-rated openings.
19. Provide (LD) "Less Dogging" at all exterior openings, unless scheduled otherwise. (ALL OPENINGS TO BE REVIEWED BY OWNER AT KEYING CONFERENCE, PRIOR TO ORDERING).
20. Provide storage kits only at designated openings, specified with keyed removable mullion. (ALL OPENINGS TO BE REVIEWED BY OWNER AT KEYING CONFERENCE, PRIOR TO ORDERING).

2.09 CYLINDERS

A. Manufacturers:
   1. Scheduled Manufacturer: Schlage SFIC rim or mortise housings as scheduled.
   2. Acceptable Manufacturers and Products: No Substitution.
B. Requirements:
   1. Provide interchangeable cylinders/cores to match Owner's existing key system, 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 visual control on face of Best permanent Core.
C. Construction Keying:
   1. Manufacturers: Best Replaceable Construction Cores (Provided by owner).
   2. Acceptable Manufacturers and Products: No Substitution.
      a. Owner to provide Construction Cores, Change Key(s) and Control Key(s).
      b. Owner or Owner's Representative will replace temporary construction cores with permanent cores as furnished by subcontractor.

2.10 KEYING

A. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
   1. Manufacturers: Best (Match owner's existing system).
   2. Acceptable Manufacturers and Products: No Substitution.
B. Requirements:
   1. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system. Best (Match owner's existing system).
      a. Master Keying system as directed by the Owner.
   2. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
   3. Provide keys with the following features:
      a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
      b. Patent Protection: Keys and blanks protected by one or more utility patent(s).
   4. Identification:
      a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Do not provide blind code marks with actual key cuts.
      b. Identification stamping provisions must be approved by the Architect and Owner.
      c. 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.
      d. Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
      e. Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.

5. Quantity: Furnish in the following quantities.
    a. Change (Day) Keys: 3 per cylinder/core.
    b. Permanent Control Keys: 3.
    c. Master Keys: 6.

2.11 KEY CABINETS

A. Manufacturers and Products:
    1. Scheduled Manufacturer and Product: Telkee: www.telkee.com/#sle
B. Properties:
    1. Key Management System: for each keyed lock on project, provide one set of consecutively numbered duplicate key tags with hanging hole and snap catch.
    2. Security Key Tags: For each keyed lock on project, provide one set of matching key tags for permanent attachment to one key of each set.
    3. Provide key collection envelopes, receipt cards, and index cards in quantity suitable to manage number of keys.
    4. Mounting: Wall surface mounted.
    5. Capacity: Actual quantity of keys, plus 25 percent additional capacity.
    6. Key cabinet lock to facility's keying system.
C. Finishes: Baked enamel, manufacturer's standard color.
D. Material: Sheet steel.
E. Products:
    1. Telkee.

2.12 DOOR CLOSERS

A. Manufacturers and Products:
    1. Scheduled Manufacturer and Product: LCN 4040XP series.
    2. Acceptable Manufacturers and Products: No Substitution.
B. Requirements:
    1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certified doors 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 with 5/8-inch (16 mm) diameter double heat-treated pinion journal.
    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.
    6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
    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. Provide door closer devices with "SNB" as specified in Hardware Sets at exterior doors.
    Not required if the door is a steel stiffened core hollow metal door with stiffeners located 6" O.C.

2.13 DOOR TRIM

A. Manufacturers:
    1. Scheduled Manufacturer: Ives.
    2. Acceptable Manufacturers and Products: No Substitution.
B. Requirements:
    1. Provide push plates, push bars, pull plates, and pulls with diameter and length as scheduled.
    2. Provide VR910 trim on all exterior doors with panic devices.

2.14 PROTECTION PLATES

A. Manufacturers:
    1. Scheduled Manufacturer: Ives.
    2. Acceptable Manufacturers and Products: No Substitution.

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.
4. Do not remove protective covering until substantial completion punch list walk.

2.15 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS
A. Manufacturers:
1. Scheduled Manufacturers: Glynn-Johnson.
B. Requirements:
1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.
2. Provide friction type at doors without closer and positive type at doors with closer.

2.16 DOOR STOPS AND HOLDERS
A. Manufacturers:
1. Scheduled Manufacturer: Ives, Trimco.
B. Provide door stops at each door leaf:
1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.17 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING
A. Manufacturers:
1. Scheduled Manufacturer: Zero International, Trimco.
B. Requirements:
1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.
2. Provide surface mount brush door sweep as scheduled.
3. 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.
4. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
5. 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.

2.18 SILENCERS
A. Manufacturers:
1. Scheduled Manufacturer: Ives.
B. Requirements:
1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.
4. Install silencers after final frame painting.

2.19 DOOR POSITION SWITCHES
A. Manufacturers:
1. Scheduled Manufacturer: N/A
B. Requirements:
1. Furnished and installed by Division 28 contractor.

2.20 FINISHES
A. Finish: BHMA 626/652 (US26D); except:
1. Hinges at Exterior Doors: BHMA 630 (US32D)
2. 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. Weatherstripping: Clear Anodized Aluminum
9. 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.
   1. Do not proceed until unsatisfactory conditions have been corrected.
B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.
C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
D. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. All services provided shall be professional and conform to the highest standards for industry practices. The Owner reserves the right to halt any installation due to poor workmanship. All work shall be defect free, and the installer shall replace, at their expense, any work found to be defective.
B. 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. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
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. Paint entire door prior to installing hardware.
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. Install silencers after final frame painting.
J. 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.
K. Wiring: Coordinate with Division 26, ELECTRICAL sections for:
   1. Conduit, junction boxes and wire pull.
   2. Connections to and from power supplies to electrified hardware.
   3. Connections to fire/smoke alarm system and smoke evacuation system.
   4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
   5. Testing and labeling wires with Architect's opening number.
L. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
M. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
N. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
O. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
P. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

Q. 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.
R. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
S. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
T. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.
1. Report findings in writing to architect and hardware supplier outlining corrective actions and recommendations.

3.03 FIELD QUALITY CONTROL

A. Engage qualified, independent, Door Hardware Institute (DHI) Certified, Fire Door Assembly Inspector (CFDAI) or Architectural Hardware Consultant (AHC) to perform inspections, prepare inspection reports, and issue inspection reports.
1. Representative will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.
2. Representative will inspect fire rated doors and state in report whether installed work complies with NFPA 80.

3.04 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. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction. After air balance tests are complete:
a. Check and adjust closers to ensure proper operation.
b. Adjust closer to complete full closing cycle in less than 4 to 6 seconds without abrupt change of speed between “Sweep” and “Latch” speeds.
c. Adjust “Backcheck” according to manufacturer’s instructions.
d. Set exterior door closers to have 8.5lb maximum pressure to open, interior non-rated at 5lbs, rated openings at 12 lbs.

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.

3.05 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.

3.06 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:

111540 OPT0371671 Version 6
Hardware Group No. 001 - OVERHEAD DOORS
Provide each RU door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	PADLOCK (LFIC/SFIC AS REQD)	KS41D1200 / KS43D3200 X 1-1/2" SHACKLE QTY/TYPE REQD		SCH
1	EA	SFIC MORTISE CYL.	80-102 X CAM/COLLAR AS REQ QTY/TYPE REQD	626	SCH
1	EA	CONST. CORE	BY OWNER QTY/TYPE REQD		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	KEY SWITCH	(WHERE REQUIRED) PROVIDED BY SECTY CONTRACTOR QTY/TYPE REQD	630	SCE
		NOTE	BALANCE OF HARDWARE BY DOOR Mfr		
1			DOOR CONTACT - WORK OF DIVISION 28		

GC/SUPPLIER TO COORDINATE SPECIFIC LOCKING DEVICES AND KEY SWITCH AS REQUIRED AT EACH OPENING – HARDWARE SET IS A GUIDELINE. GENERAL CONTRACTOR TO CONDUCT COORDINATION MEETING BETWEEN RELATED TRADES PRIOR TO ORDERING/FABRICATION.

OVERHEAD DOORS

Hardware Group No. 341 - SGL PRIVATE TOILET / INDICATOR LOCK L9040-STAND PRIV
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY LOCK	L9040 06A L583-363 L283-722	626	SCH
1	EA	SURFACE CLOSER	4040XP-RW/PA-TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	DOOR STOP	WS406/WS407CCV (OR FS436 - AS REQD)	626	IVE
1	EA	GASKETING	488S PSA H & J (USE SILENCERS @ NON-RATED DOORS)	BK	ZER
1	EA	COAT HOOK	3071	630	TRI

-INDICATOR ON OUTSIDE OF DOOR.

Hardware Group No. 801 - SGL PUSH/PULL/CLOSER
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8303 8" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4040XP-RW/PA-TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	DOOR STOP	WS406/WS407CCV (OR FS436 - AS REQD)	626	IVE
1	EA	DOOR SWEEP	39A-DOOR WIDTH	A	ZER
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. J715 - SGL EXTER GATE PANIC
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE/CLOSER	MAMMOTH180-ZILV 180-GATE COMBINED (LOCINOX)		
1	EA	PANIC HARDWARE	LD-PA-98-NL-OP-110MD-WH-SNB-SEC	630	VON
1	EA	SFIC RIM HOUSING	80-129	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	DOOR PULL	VR910 NL	630	IVE
1	EA	FLOOR STOP	FS18L	BLK	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	GATE PANIC SHIELD (LOCKEYUSA OR SIM)	TYPE/SIZE/FINISH AS APPLICABLE (GC TO COORD W/RELATED TRADES)		
	EA		REMAINDER OF HARDWARE BY GATE FABRICATOR		
	EA	DUCKBILL CATCH/HOLD	BY GATE SUPPLIER		

HARDWARE SET IS A GUIDELINE.
GC AND HARDWARE SUPPLIER TO REVIEW OPENING WITH OWNER/ARCHITECT AT LATER DATE TO DETERMINE EXACT REQUIREMENTS.
PROVIDE MOUNTING ACCESSORIES AS REQUIRED.
GENERAL CONTRACTOR SHALL CONDUCT A COORDINATION MEETING WITH THE HARDWARE SUPPLIER AND GATE/FENCE FABRICATOR PRIOR TO HARDWARE BEING ORDERED - AND FENCE/GATE BEING FABRICATED.
ALL KNOX BOX PRODUCTS PROVIDED BY ALTERNATE SECTION.

Hardware Group No. J-1NO PL - SGL GATE NO PADLOCK/CORE REQD
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA		ALL HARDWARE PROVIDED BY GATE FABRICATOR		B/O

ALL KNOX BOX PRODUCTS PROVIDED BY ALTERNATE SECTION.

Hardware Group No. J-2NO PL - PAIR GATE NO PADLOCK/CORE REQUIRED
Provide each PR door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
	EA		ALL HARDWARE PROVIDED BY GATE FABRICATOR		B/O

ALL KNOX BOX PRODUCTS PROVIDED BY ALTERNATE SECTION.

Hardware Group No. JC715 - SGL GATE PANIC (ACCESS CONTROLLED)
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	SET	HINGE/CLOSER	MAMMOTH180-ZILV 180-GATE COMBINED (LOCINOX)		
1	EA	POWER TRANSFER	EPT10 CON	689	VON
1	EA	ELEC PANIC HARDWARE	LD-WPRX-PA-98-L-M996-06-FSE-WH-CON-SNB-SEC	630	VON
1	EA	SFIC RIM HOUSING	80-129	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	FLOOR STOP	FS18L	BLK	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	VARIABLE LENGTH WIRE HARNESS	CON-XXP LENGTH AS REQ		SCH
1	EA	VARIABLE LENGTH WIRE HARNESS	CON-XXP LENGTH AS REQ		SCH
1	EA	GATE PANIC SHIELD (LOCKEYUSA OR SIM)	TYPE/SIZE/FINISH AS APPLICABLE (GC TO COORD W/RELATED TRADES)		
	EA		REMAINDER OF HARDWARE BY GATE FABRICATOR		
		CARD READER	BY SECURITY CONTRACTOR		
	EA	POWER SUPPLY	PROVIDED BY SECURITY		

HARDWARE SET IS A GUIDELINE.
GC AND HARDWARE SUPPLIER TO REVIEW OPENING WITH OWNER/ARCHITECT AT LATER DATE TO DETERMINE EXACT REQUIREMENTS.
PROVIDE MOUNTING ACCESSORIES AS REQUIRED.
GENERAL CONTRACTOR SHALL CONDUCT A COORDINATION MEETING WITH THE HARDWARE SUPPLIER AND GATE/FENCE FABRICATOR PRIOR TO HARDWARE BEING ORDERED - AND FENCE/GATE BEING FABRICATED.
ALL KNOX BOX PRODUCTS PROVIDED BY ALTERNATE SECTION.

Hardware Group No. W205 - SGL EXTERIOR STOREROOM LOCK/CLOSER/SCUSH/TDI
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY	628	IVE
1	EA	STOREROOM LOCK	L9080BD 06A	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	LOCK GUARD	LG1	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH TBSRT 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	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC

-VERIFY WINDSTORM "CERTIFICAITON" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

Hardware Group No. W205IN - SGL EXTERIOR STOREROOM LOCK/CLOSER/SCUSH/TDI
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY	628	IVE
1	EA	STOREROOM LOCK	L9080BD 06A	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	SURFACE CLOSER	4040XP-RW/PA-TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	DOOR STOP	WS406/WS407CCV (OR FS436 - AS REQD)	626	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC

-VERIFY WINDSTORM "CERTIFICAITON" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

Hardware Group No. W345 - SGL EXTERIOR LOCK/CLOSER/SCUSH (TDI) LOCK W/INDICATOR
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY	628	IVE
1	EA	FACULTY RESTROOM/HOTEL W/ OUTSIDE INDICATOR	L9485T L583-363 OS-OCC	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	LOCK GUARD	LG1	630	IVE
1	EA	SURFACE CLOSER	4040XP EDA TBSRT X MTG BRKT, SPCR & PLATE AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS18L	BLK	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC

-VERIFY WINDSTORM "CERTIFICAITON" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

Hardware Group No. W805L-IN - SGL EXTERIOR PUSH/PULL DEADLOCK/CLOSER/TDI
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY	628	IVE
1	EA	CLASSROOM DEADBOLT	B663BD	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	PUSH PLATE	8200 8" X 16"	630	IVE
1	EA	PULL PLATE	8303 8" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4040XP-RW/PA-TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	DOOR STOP	WS406/WS407CCV (OR FS436 - AS REQD)	626	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC

-VERIFY WINDSTORM "CERTIFICAITON" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

Hardware Group No. WC205 - SGL EXTERIOR STOREROOM LOCK/CLOSER/SCUSH (ACCESS CONTROLLED/TDI)
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY EPT	628	IVE
1	EA	POWER TRANSFER	EPT10 CON	689	VON
1	EA	EU MORTISE LOCK	L9092BD EU 06A RX CON (FAIL SECURE)	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	LOCK GUARD	LG1	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH TBSRT 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	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC
1	EA	VARIABLE LENGTH WIRE HARNESS	CON-XXP LENGTH AS REQ		SCH
1	EA	WIRING HARNESS (6")	CON-6W (FOR CONNECTION TO FIELD-WIRING)		SCH
	EA	MULTITECH READER	MT15/MT11 - BY SECURITY CONTRACTOR	BLK	SCE
			POWER SUPPLY - WORK OF DIVISION 28		
			DOOR CONTACT - WORK OF DIVISION 28		

-VERIFY WINDSTORM "CERTIFICAITON" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

Hardware Group No. WC205I - SGL EXTERIOR STOREROOM LOCK/CLOSER/INSWING (ACCESS CONTROLLED)
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY EPT	628	IVE
1	EA	POWER TRANSFER	EPT10 CON	689	VON
1	EA	EU MORTISE LOCK	L9092BD EU 06A RX CON (FAIL SECURE)	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	LOCK GUARD	LG1	630	IVE
1	EA	SURFACE CLOSER	4040XP RW/PA TBSRT X MTG BRKT, SPCR & PLATE AS REQ	689	LCN
1	EA	WALL STOP	WS406/407CCV	630	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC
1	EA	VARIABLE LENGTH WIRE HARNESS	CON-XXP LENGTH AS REQ		SCH
1	EA	WIRING HARNESS (6")	CON-6W (FOR CONNECTION TO FIELD-WIRING)		SCH
	EA	MULTITECH READER	MT15/MT11 - BY SECURITY CONTRACTOR	BLK	SCE
			POWER SUPPLY - WORK OF DIVISION 28		
			DOOR CONTACT - WORK OF DIVISION 28		

-VERIFY WINDSTORM "CERTIFICAITON" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

Hardware Group No. WD715 - SGL EXTERIOR HM EXIT DEVICE (EGRESS/ELEC RM/TDI)
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY EPT	628	IVE
1	EA	POWER TRANSFER	EPT10 CON	689	VON
1	EA	ELEC PANIC HARDWARE	LD-LXRX-LC-XP99-NL-OP-110MD-CON-SNB	626	VON
1	EA	SFIC RIM HOUSING	80-129	626	SCH
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	DOOR PULL	VR910 NL	630	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH TBSRT X MTG BRKT, SPCR & PLATE AS REQ	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS WHERE APPLICABLE	630	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC
1	EA	VARIABLE LENGTH WIRE HARNESS	CON-XXP LENGTH AS REQ		SCH
2	EA	VARIABLE LENGTH WIRE HARNESS	CON-XXP LENGTH AS REQ		SCH
			DOOR CONTACT - WORK OF DIVISION 28		

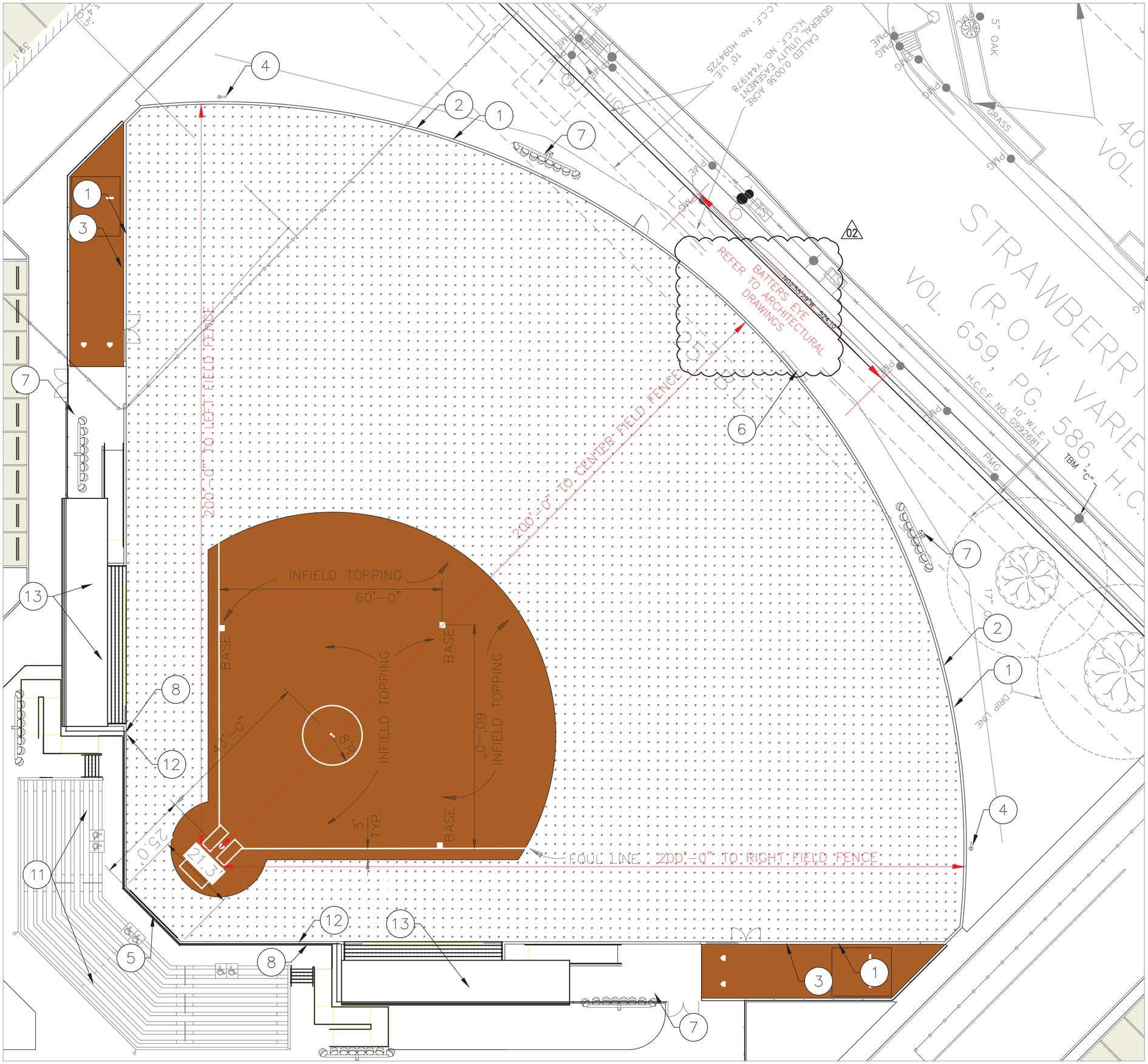
-VERIFY WINDSTORM “CERTIFICATION” OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-HARDWARE BUILT AS BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTE

Hardware Group No. WK205IN - SGL EXTERIOR CLASSROOM LOCK/CLOSER/TDI
Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	112XY	628	IVE
1	EA	KEYPAD LOCK	P2066BLL	626	DRM
1	EA	CONST. CORE	BY OWNER		B/O
1	EA	PERM SFIC CORE (TYPE/QTY REQD)	MATCH OWNER'S EXISTING SYSTEM (CORMAX PATD)	626	BES
1	EA	SURFACE CLOSER	4040XP-RW/PA-TBSRT	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	DOOR STOP	WS406/WS407CCV (OR FS436 - AS REQD)	626	IVE
1	EA	RAIN DRIP	142A DW + 4" (OMIT @ COVERED OPENINGS)	AA	ZER
1	EA	DOOR SWEEP	FAS-SEAL		STE
1	EA	THRESHOLD	65A-V3E-226 FRAME WIDTH (OR AS DETAILED)	A	ZER
1	SET	WEATHER STRIP	PS-074-HEAD & JAMBS		STC

-VERIFY WINDSTORM "CERTIFICATION" OF SPECIFIED HARDWARE W/DOOR SYSTEM.
-SPECIFIED HARDWARE WITH BASIS-OF-DESIGN AROUND STEELCRAFT DOOR SYSTEM.
OPERATIONAL DESCRIPTION: ENTRY BY CARD READER OR MANUAL KEY OVERRIDE. FREE EGRESS AT ALL TIMES.

END OF SECTION 08 71 00



LEGEND:

NATURAL GRASS PLAYING FIELD
TIFFWAY 419 BERMUDA TURF

SOFTBALL FIELD CLAY SURFACE
MASTERTURF MASTERSEAL INFIELD MIX

KEYED NOTES TO SHEET:

02

1. EXTERIOR 8"x12" PERIMETER CURB AROUND ENTIRE PERIMETER OF FIELD EXCEPT FOR THE OUTFIELD WALL. REFER TO ARCH DETAIL FOR MOW STRIP AT OUTFIELD WALL.
2. ATHLETIC WALL FENCE IN OUTFIELD ONLY. REFERENCE ARCHITECTURAL DRAWINGS.
3. CHAIN LINK FENCE. REFERENCE ARCHITECTURAL DRAWINGS.
4. FOUL POLE: 4" DIAMETER x 20' IN HEIGHT WITH 18"x12' LONG WING. SEE DETAIL ON SHEET C7.05
5. BACKSTOP WALL. REFERENCE ARCHITECTURAL DRAWINGS.
6. SCOREBOARD. FURNISHED BY OWNER FOR INSTALLATIONS BY CONTRACTOR.
7. PROPOSED STADIUM LIGHTING. REFERENCE ELECTRICAL DRAWINGS.
8. PROPOSED BACKSTOP NETTING & POLE SYSTEM. NETTING TO EXTEND OVER DUGOUTS. REFERENCE ARCHITECTURAL DRAWINGS.
9. PROPOSED 4' WIDE SINGLE GATE. REFERENCE ARCHITECTURAL DRAWINGS.
10. PROPOSED 12' WIDE DOUBLE GATE. REFERENCE ARCHITECTURAL DRAWINGS.
11. PROPOSED BLEACHERS. REFERENCE ARCHITECTURAL DRAWINGS.
12. PROPOSED SAFTEY NETTING SYSTEM. REFER TO ARCHITECTURAL DRAWINGS.
13. PROPOSED DUGOUT. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

NOTES: SOFTBALL

1. INFIELD TOPPING ON COMPETITION BASEBALL/SOFTBALL FIELDS SHALL BE 6" DEEP AND SHAPED TO MATCH FINISHED GRADE ELEVATIONS SHOWN ON GRADING PLAN. COMPACT TO MANUFACTURER'S SPECIFICATIONS. ALL NON GRASS AREAS SHALL USE MASTERTURF MASTERSEAL INFIELD MIX.
3. CONTRACTOR SHALL INSTALL BASE INSERTS, HOME PLATE AND PITCHERS RUBBER ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
4. GRASS AREAS IN SOFTBALL FIELDS WITHIN THE FENCED AREA SHALL BE SHAPED TO FINISHED GRADES WITH 6 INCHES OF SAND ROOT ZONE MATERIAL AND ROLLED SOD (TIFFWAY 419 BERMUDA TURF).

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PASADENA ISD SOFTBALL COMPLEX

Pasadena, Texas

PASADENA INDEPENDENT SCHOOL DISTRICT

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STATE OF TEXAS
BRIAN W. REED
128933
LICENSED
PROFESSIONAL ENGINEER

12/11/2025

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Sheet Information	
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Title

SOFTBALL FIELD A LAYOUT PLAN

Sheet

C6.01

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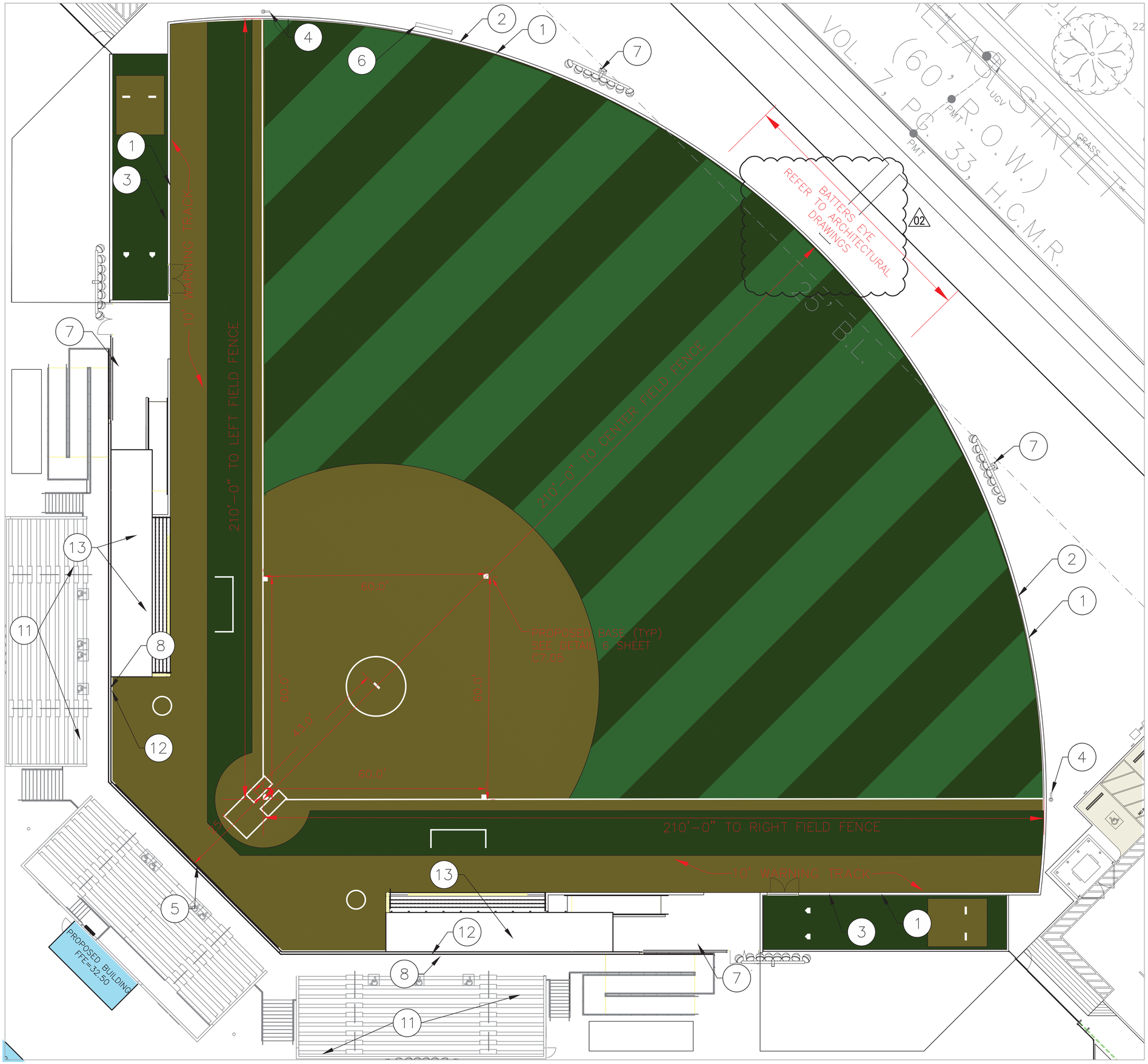

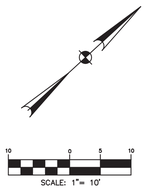

LEGEND:

- SYNTHETIC TURF WITH NATURAL GRASS COLORING AND "MOWED" PATTERN
- SYNTHETIC TURF TO REPLICATE CLAY COLORING AND PLAY

GENERAL NOTE

1. ALL TURF COLOR, HEIGHT, INFILL, LOGOS, & WEIGHT SHALL BE SELECTED UPON APPROVAL.

KEYED NOTES TO SHEET:

02
1. EXTERIOR 8"x12" PERIMETER CURB AROUND ENTIRE PERIMETER OF FIELD EXCEPT FOR THE OUTFIELD WALL. REFER TO ARCH DETAIL FOR MOW STRIP AT OUTFIELD WALL.
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SOFTBALL FIELD B LAYOUT PLAN

Sheet

C6.04

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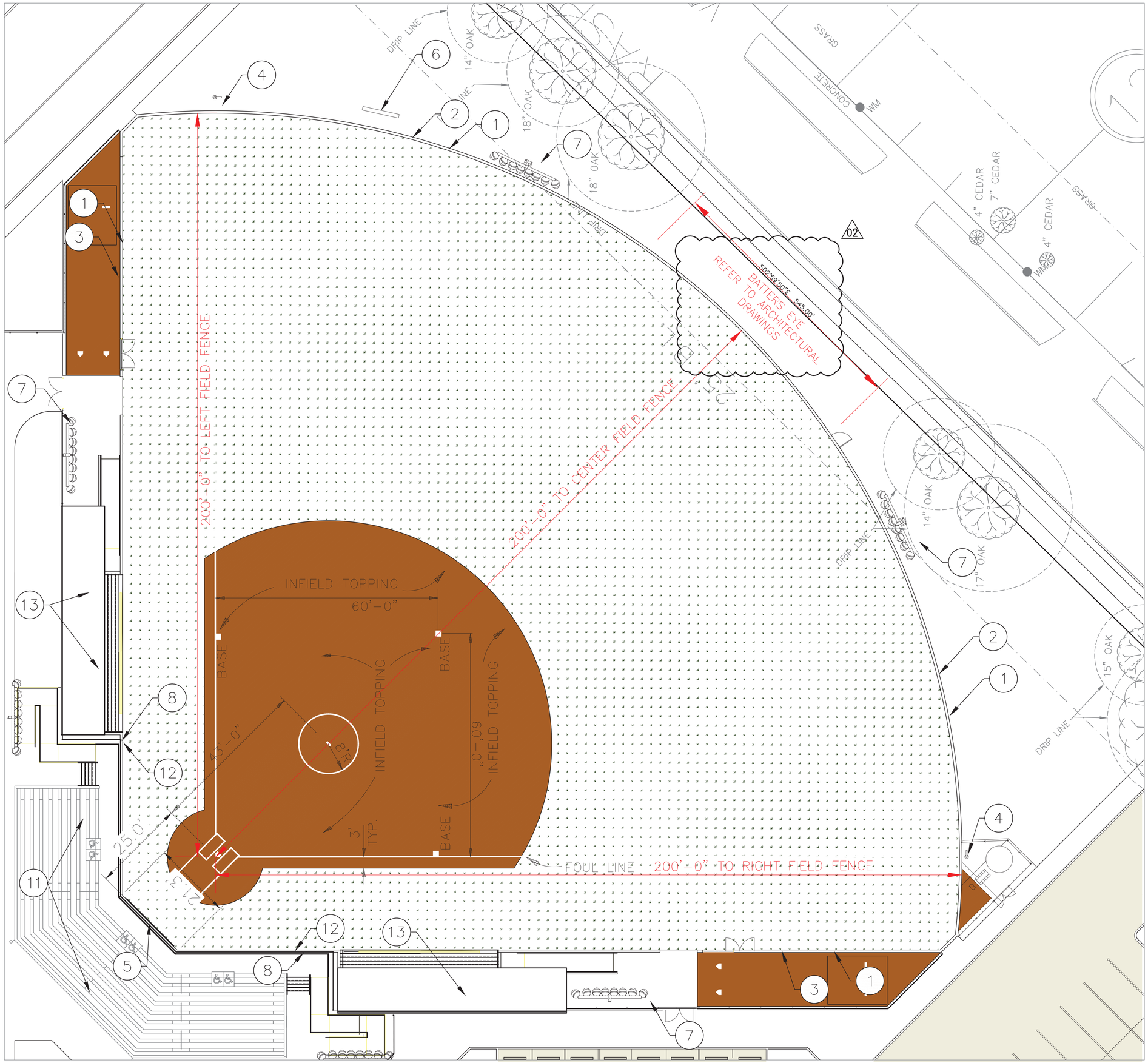

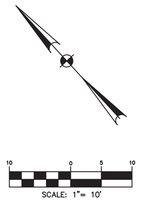

LEGEND:

NATURAL GRASS PLAYING FIELD
TIFFWAY 419 BERMUDA TURF

SOFTBALL FIELD CLAY SURFACE
MASTERTURF MASTERSEAL INFIELD MIX

KEYED NOTES TO SHEET:

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NOTES: SOFTBALL

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SOFTBALL FIELD C LAYOUT PLAN

Sheet

C6.07

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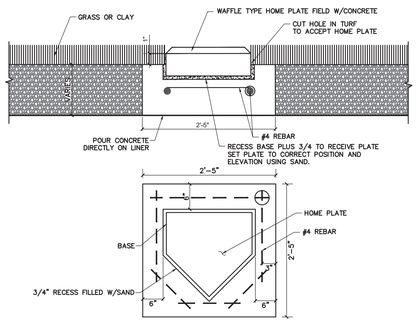
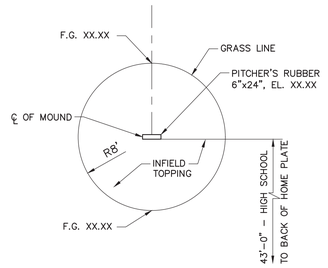


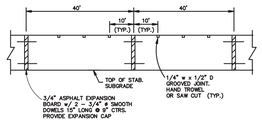
HOME PLATE MOUNT

N.T.S.



SOFTBALL PITCHING MOUND LAYOUT

N.T.S.

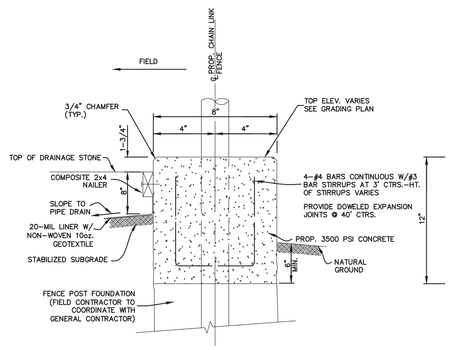


ELEVATION VIEW

LAYOUT FOR CONCRETE CURB EXPANSION & CONTRACTION JOINT

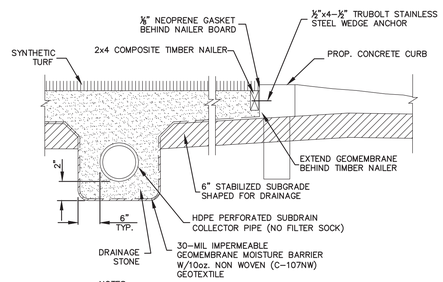
TYP. INNER AND OUTER CURBS

N.T.S.



TYPICAL SECTION AT PROPOSED PERIMTER CHAIN LINK FENCE

SCALE: N.T.S.

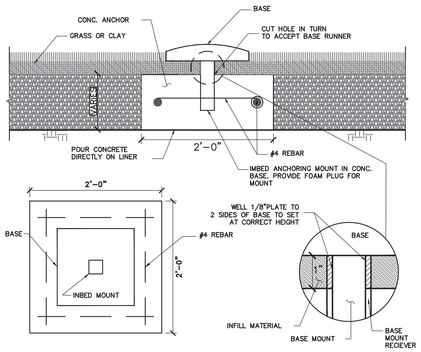


NOTES:

1. SECURE SYNTHETIC TURF NAILER USING STAINLESS STEEL STAPLES.
2. DRAINAGE STONE TO BE FLUSH WITH TOP OF NAILER.
3. STAINLESS STEEL WEDGE ANCHORS TO BE INSTALLED 2" FROM END OF 2x4 NAILER AND SPACED A MAXIMUM OF 12" ON CENTER.

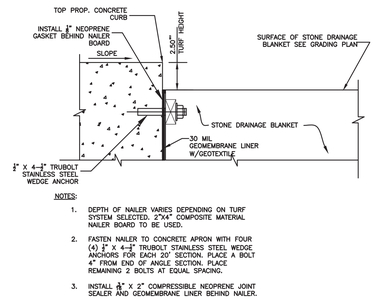
TYPICAL EDGE DETAIL

N.T.S.



BASE MOUNT

N.T.S.

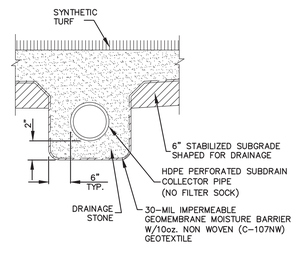


NOTES:

1. DEPTH OF NAILER VARIES DEPENDING ON TURF SYSTEM SELECTED. 2"X4" COMPOSITE MATERIAL NAILER BOARD TO BE USED.
2. FASTEN NAILER TO CONCRETE APRON WITH FOUR (4) ½" X 4-½" TRUBOLT STAINLESS STEEL WEDGE ANCHORS FOR EACH 20' SECTION. PLACE A BOLT 4" FROM END OF ANGLE SECTION. PLACE REMAINING 2 BOLTS AT EQUAL SPACING.
3. INSTALL ½" X 2" COMPRESSIBLE NEOPRENE JOINT SEALER AND GEOMEMBRANE LINER BEHIND NAILER.

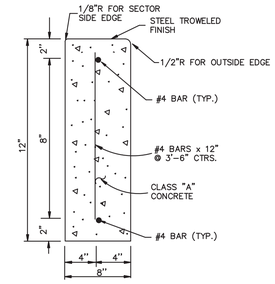
COMPOSITE NAILER DETAIL

N.T.S.



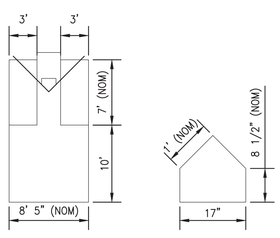
TYPICAL SUBDRAIN SECTION

N.T.S.



8"X12" CONCRETE CURB

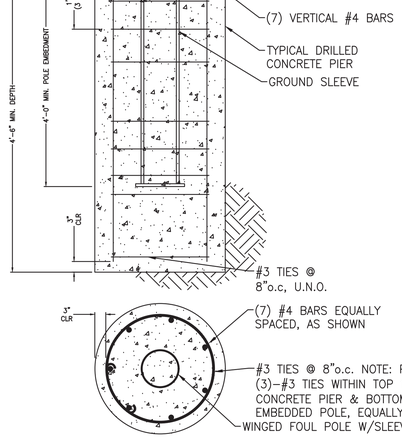
N.T.S.



HOME PLATE DETAIL HOME PLATE DETAIL

SOFTBALL BATTERS BOX

N.T.S.

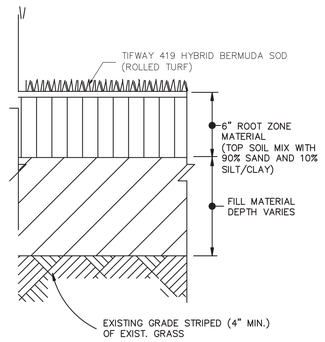


NOTES:

1. DESIGN PER ASCE 7-10 - 105 mph (EXP.B)
2. CONCRETE SHALL MEET THE FOLLOWING:
   a. 28 DAY STRENGTH = 4,000 PSI (MIN.)
   b. W/C RATIO = 0.46
   c. AIR ENTRAINMENT = 5.5 +/- 1%
3. REINFORCING BAR SHALL MEET ASTM A615, GRADE 60
4. UNIT WEIGHT OF SOIL = 115 pcf
5. SOIL INTERNAL ANGLE OF FRICTION USED FOR DESIGN = 28 DEGREES
6. MAX. FOUL POLE HEIGHT = 20'
7. WATER TABLE ASSUMED TO BE BELOW BOTTOM OF FOOTING FOR DESIGN
8. COMPACT SOIL SURROUNDING FOOTING TO 95% MODIFIED PROCTOR

SOFTBALL FOUL BALL POLE

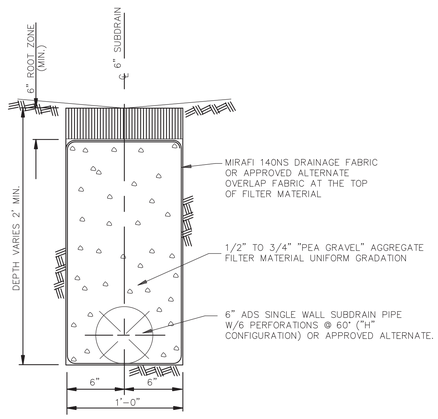
N.T.S.



NOTE:
SUITABLE FILL MATERIAL SHALL CONSIST OF THE ON-SITE EXCAVATED LEAN CLAY SOILS THAT ARE FREE OF ORGANICS AND DELETERIOUS SUBSTANCES. FILL MATERIAL SHALL BE PLACED IN 8 INCH THICK LOOSE LIFTS AND COMPACTED TO AN IN-PLACE DRY DENSTIY, ASTM D-698 WITHIN ±2% OF OPTIMUM MOISTURE CONTENT.

PROPOSED ROOT ZONE ATHLETIC FIELDS

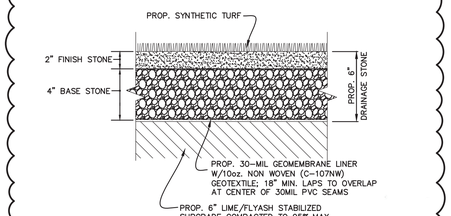
N.T.S.



TYPICAL SECTION-SOFTBALL FIELD SUBDRAIN

NTS

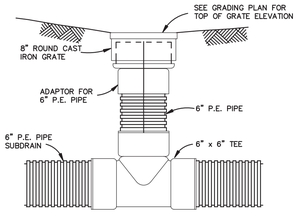
02



NOTE:
CONTRACTOR SHALL VERIFY LIME FLY ASH AMOUNTS WITH TESTING LAB.

TYPICAL SECTION FOR SYNTHETIC TURF

N.T.S.



INLINE DRAIN

N.T.S

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PASADENA ISD SOFTBALL COMPLEX

Pasadena, Texas

PASADENA INDEPENDENT SCHOOL DISTRICT

TALON ENGINEERING
CIVIL ENGINEERING & SPORTS DESIGN CONSULTANTS
TEXAS ENGINEERING FIRM F-24281
1110 WOLFS KNOLL
HOUSTON, TX. 77094
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STATE OF TEXAS
BRIAN W. REED
128933
LICENSED
PROFESSIONAL ENGINEER

12/11/2025

Revision Schedule

NO.	ISSUE	DATE
1	CONSTRUCTION DOCUMENTS	2025-11-10
01	ADDENDUM 01	2025-11-25
02	ADDENDUM 02	2025-12-11

Sheet Information

Date	2025-11-10
Job Number	23-012
Drawn	JDK/BWR
Checked	BWR
Approved	BWR

Title

ATHLETIC DETAILS

Sheet

C7.05

90% Construction Document

12/1/2025 10:08:47 AM

BINDING EDGE

GATE SCHEDULE

Mark	Construction Type	Door Width	Door Height	Door Material	Door Thickness	Door Finish	Door HDW	Frame Material	Frame Finish	NOTE
G1	SG	4' - 0"	6' - 0"	WWM		PREFIN.	JG715	STL.	PREFIN.	1 ,5, & 8
G2	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1 & 5
G3	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1 & 5
G4	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1 & 5
G5	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1,5 & 9
G6	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1,5 & 9
G7	DSG	7' - 7"	8' - 0"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2 & 7
G8	DSG	7' - 8 1/4"	7' - 9 1/2"	WD	0' - 2 1/4"	PAINT	J-2NO PL	STL.	PAINT	2
G9	SG	4' - 0"	8' - 0"	FMP		PREFIN.	J-1NO PL	STL	P-8	2
G10	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2
G11	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2 & 7
G12	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1,5 & 9
G13	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1,5 & 9
G14	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2 & 7
G15	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2
G16	SG	4' - 0"	8' - 0"	FMP		PREFIN.	J-1NO PL	STL	P-8	2
G17	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2
G18	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2
G19	SLG	20' - 0"	6' - 0"	WWM		PREFIN.	J-1NO PL	STL.	PREFIN.	3, 4 & 5
G20	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1,5 & 9
G21	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2 & 7
G22	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2
G23	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2 & 7
G24	DSG	7' - 8 1/4"	7' - 9 1/2"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2
G25	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J715	STL.	PREFIN.	1,5 & 9
G26	SLG	20' - 0"	6' - 0"	WWM		PREFIN.	J-1NO PL	STL.	PREFIN.	3, 4 & 5

GATE SCHEDULE

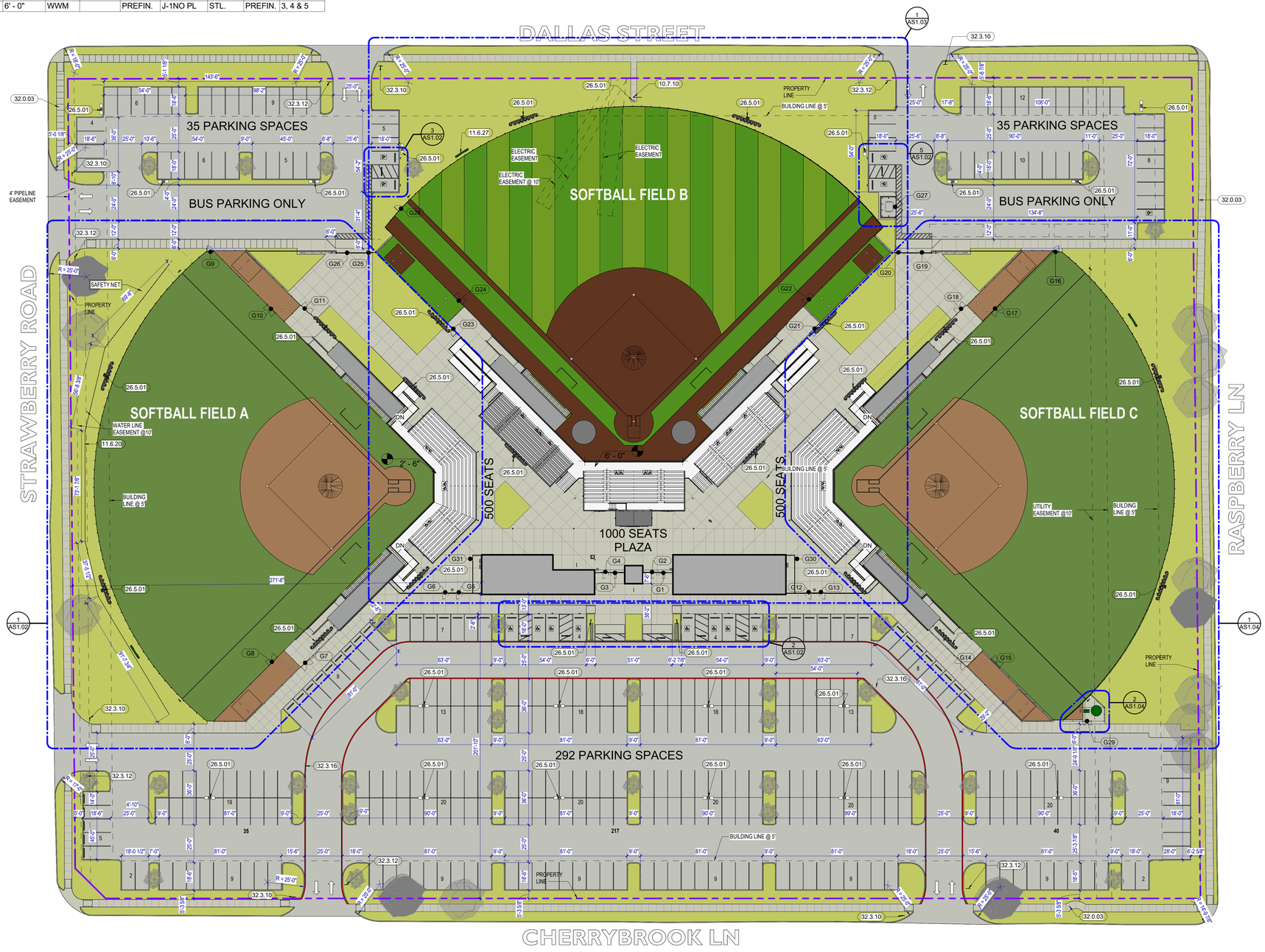
Mark	Construction Type	Door Width	Door Height	Door Material	Door Thickness	Door Finish	Door HDW	Frame Material	Frame Finish	NOTE
G27	DSG	12' - 0"	6' - 0"	WMP		PREFIN	J-1NO PL	STL	P-	2
G28	SG	4' - 1 3/16"	6' - 0"	FMP		PREFIN.	J-1NO PL	STL.	P-8	2
G29	DSG	5' - 7"	8' - 0"	VCLF	0' - 2 1/4"	PREFIN.	J-2NO PL	STL.	PREFIN.	2 & 7
G30	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J-1NO PL	STL.	PREFIN.	2
G31	SG	4' - 0"	6' - 0"	WWM		PREFIN.	J-1NO PL	STL.	PREFIN.	2
G40	SG	3' - 8 1/4"	7' - 10 3/4"	VCLF	0' - 2 1/4"	PREFIN.	J-1NO PL	STL.	PREFIN.	3
G41	SG	3' - 8 1/4"	7' - 10 3/4"	VCLF	0' - 2 1/4"	PREFIN.	J-1NO PL	STL.	PREFIN.	3
G42	SG	3' - 9 1/2"	7' - 10 3/4"	VCLF	0' - 2 1/4"	PREFIN.	J-1NO PL	STL.	PREFIN.	3
G43	SG	3' - 8 1/4"	7' - 10 3/4"	VCLF	0' - 2 1/4"	PREFIN.	J-1NO PL	STL.	PRE-FIN	3
G55	SG	3' - 8 1/4"	7' - 10 3/4"	VCLF	0' - 2 1/4"	PREFIN.	J-1NO PL	STL.	PREFIN.	2

NOTES:

1. PROVIDE REQUIRED PANIC HARDWARE AND PERFORATED BACK PANEL. SEE GATE ELEVATION FOR ADDITIONAL INFORMATION
2. PROVIDE LOCKING HASP AND CANES.
3. PROVIDE LOCKING HASP
4. PROVIDE KNOX BOX PER FIRE MARSHAL REQUIREMENTS
5. DUCKBILL CATCH/ HOLD
6. DOOR HARDWARE PROVIDED BY WALL SYSTEM MANUFACTURER.
7. PROVIDE PRIVACY WINDSCREEN ON GATE(S).
8. CARD READER
9. PROVIDE METAL EXIT SIGN.

LEGEND

SG - SINGLE SWING GATE
DSG - DOUBLE SWING GATE
SLG - SINGLE SLIDING GATE
FMP - FORMED METAL PANEL CLADDED STEEL FRAMED GATE
WWM - WELDED WIRE MESH GATE
WP - ATHLETIC FENCE WALL DOOR
VCLF - VINYL COATED CHAIN-LINK GATE.



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

KEYED NOTES

KEYED NOTE	DESCRIPTION
10.7.10	FLAG POLE. 35'-0" HEIGHT.
11.6.20	40'-0" SAFETY NET
11.6.27	ELECTRONIC SCORBOARD, OFCI. PROVIDE SCOREBOARD SUPPORT STRUCTURE. SEE STRUCTURAL DRAWINGS.
26.5.01	SCHEDULED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS.
32.0.03	CONCRETE SIDEWALK, SEE CIVIL DRAWINGS.
32.3.10	STOP SIGN
32.3.12	VISITOR & BUS PARKING SIGN B
32.3.16	PAINTED FIRE LANE, SEE CIVIL DWGS.

GENERAL NOTES

1. PROVIDE (30) "NO PARKING" SIGNS ALONG RASPBERY LANE & DALLAS STREET. EXACT LOCATION TO BE DETERMINE.

PARKING ANALYSIS

TOTAL SEATING CAPACITY: 2000

TOTAL PARKING SPACES PROVIDED: **368**
(1 PARKING SPACE PER 5.4 SEATS)

ACCESSIBLE PARKING: 12 OF 368

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PASADENA ISD SOFTBALL COMPLEX

1515 Cherrybrook Lane
Pasadena, Texas 77502
Pasadena Independent School District

REGISTERED ARCHITECT JERRY G. BEVEL 10153 STATE OF TEXAS
14 February 2025

Revision Schedule

NO.	ISSUE	DATE
1	Addendum No. 1	11.25.2025
2	Addendum No. 2	12.12.2025

Sheet Information	
Date	10 November 2025
Job Number	23-012
Drawn	Author
Checked	Checker
Approved	Approver

Title

OVERALL SITE PLAN

Sheet

AS1.01

CONSTRUCTION DOCUMENTS

BINDING EDGE

C:\Users\bayardoseka\Documents\PISD - Softball Complex - R22\23_bayardo.seka@cre8houston.com.rvt

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1515 Cherrybrook Lane
Pasadena, Texas 77502

Pasadena Independent School District

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Sheet Information

Date	10 November 2025
Job Number	23-012
Drawn	Author
Checked	Checker
Approved	Approver

Title

LEVEL 01 FINISH SCHEDULE, DOOR SCHEDULE & NOTES - AREA B

Sheet

A2.02 SCH

CONSTRUCTION DOCUMENTS

NOTES TO FINISH/COLOR SCHEDULE

GENERAL NOTES

1. ALL NOTES ON THIS SHEET MAY NOT NECESSARILY BE USED.
2. MANUFACTURER'S NAME AND IDENTIFICATION NUMBERS ARE LISTED AS A MEANS OF ESTABLISHING A STANDARD OF TYPE, FUNCTION, COLOR AND QUALITY. REFER TO SPECIFICATIONS FOR ADDITIONAL MANUFACTURERS AND PROCEDURES. APPROVED MANUFACTURER'S COLORS SHALL MATCH THOSE LISTED IN THE COLOR SCHEDULE.
3. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT A SAMPLE OF ALL FINISH MATERIALS FOR APPROVAL BEFORE MATERIALS ARE APPLIED ON THE JOB.
4. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION CONCERNING FINISH MATERIALS AND COLORS.
5. REFER TO FLOOR PATTERN LAYOUTS FOR FLOOR/COLOR SELECTIONS.
6. TRANSITION OF FLOOR FINISH MATERIALS SHALL OCCUR ON THE CENTERLINE OF DOOR.

PAINTING AND STAINING NOTES

1. ALL PAINTS SHALL BE EGGSHELL FINISH, UNLESS NOTED OTHERWISE.
2. **PAINT A MINIMUM OF 6'-0" X 6'-0" OF EACH PAINT COLOR** AT PROJECT SITE FOR OWNER/ARCHITECT APPROVAL PRIOR TO APPLICATION.
3. UNLESS NOTED OTHERWISE, TERMINATE ALL ACCENT PAINTS AT INSIDE CORNERS.
4. UNLESS NOTED OTHERWISE, PAINT ANY VENTS, GRILLES, ETC. THE SAME COLOR AS THE WALL SURFACE ON WHICH THEY OCCUR.
5. UNLESS NOTED OTHERWISE, PAINT ALL VISION PANEL FRAMES IN INTERIOR DOORS TO MATCH FRAME COLOR.
6. PAINT ALL UNDESIGNATED GYPSUM BOARD CEILINGS P-2, UNLESS NOTED OTHERWISE.
7. ACCESS PANELS SHALL BE PAINTED THE SAME COLOR AS THE ADJACENT SURFACE ON WHICH THEY OCCUR.
8. UNLESS NOTED OTHERWISE, REVEALS SHALL BE CLEAR ANODIZED ALUMINUM FINISH.

PLASTIC LAMINATE NOTES

1. PLASTIC LAMINATE MILLWORK:
   - VERTICAL FACES - PL-1 UNLESS NOTED OTHERWISE
   - HORIZONTAL SURFACES/COUNTERS - PL-2 UNLESS NOTED OTHERWISE
2. LINER PANEL COLOR AT CLOSED CABINETRY SHALL BE WHITE.
3. INTERIOR AND SHELF SURFACES OF OPEN PLASTIC LAMINATE MILLWORK UNITS SHALL MATCH THE COLOR OF THE EXTERIOR LAMINATE.
4. PLASTIC LAMINATE WOOD DOORS SHALL BE PL-1 FINISH, UNLESS NOTED OTHERWISE.

METAL NOTES

1. NEW EXTERIOR ALUMINUM STOREFRONT SYSTEM SHALL BE CLEAR ANODIZED FINISH WITH CLEAR INSULATED LOW-E GLASS, UNLESS NOTED OTHERWISE.
2. FINISH HARDWARE SHALL BE SATIN ALUMINUM, UNLESS NOTED OTHERWISE.

CONCRETE AND MASONRY NOTES

1. ALL CONCRETE FLOORS THAT ARE NOT SCHEDULED TO RECEIVE A FLOOR FINISH SHALL BE SEALED.

FINISH/COLOR SCHEDULE LEGEND

AL - ALUMINUM STOREFRONT

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
ALUM.	AL-1		CLEAR ANODIZED

BG - BUILDING GRAPHICS (EXTERIOR SIGNAGE)

TYPE	MARK	MANUFACTURER	SIZE	COLOR	FONT
CAST ALUM.	BG-1 BG-2		10" 8"	WHITE WHITE	HELVETICA HELVETICA
INTERNALLY LIT.	BG-3 (PISD LOGO) TOWER GRAPHICS		SEE ELEV.	WHITE	N/A

* GRAPHIC ELECTRONIC FILE WILL BE PROVIDED BY ARCHITECT.

BR - BRICK/MASONRY

TYPE	MARK	MANUFACTURER	SIZE	COLOR	MORTAR
FACE BRICK	BR-1	INTERSTATE BRICK	4"X4"X16"	IRONSTONE	TBD
FACE BRICK	BR-1A	INTERSTATE BRICK	4"X4"X12"	IRONSTONE	TBD
ACCENT	BR-2	INTERSTATE BRICK	4" X 4" X 4"	IRONSTONE	TBD
STRUCTURAL BRICK	BR-3	INTERSTATE - ATLAS	4" X 8" X 16"	IRONSTONE	TBD

MT - METAL COPING/TRIM/PANEL

TYPE	MARK	MANUFACTURER	COLOR
FASCIA	MT-1	BERRIDGE	LEAD COTE
SOFFIT	MT-2	ARMSTRONG - LINEAR METAL PANELS METALWORKS 8"W	OAK EFFECTS
	MT-2A	BERRIDGE	LEAD COTE
GUTTER & DOWNSPOUT	MT-3 MT-3A	BERRIDGE BERRIDGE	LEAD COTE LEAD COTE
FORMED METAL PANEL	MT-4	BERRIDGE - HR-16	LEAD COTE
ATHLETIC FENCE	MT-5	BERRIDGE - VEE PANEL	BLACK

F - FLOORS

TYPE	MARK	MANUFACTURER	COLOR	LOCATION
CONCRETE	F-1	SEALED CONCRETE		
MCT	F-2	FORBO - MCT	3888-STONE	PRESSBOX
SYNTHETIC TURF				MAIN FIELD
FIELD	F-3A		DARK GREEN	
FIELD	F-3B		LIGHT GREEN	
FOUL LINE	F-3C		WHITE	
ACCENT - BROWN	F-3D		BROWN	
TURF FIELD LOGO	F3E		PISD ATHLETIC LOGO	
(LOGO ELECTRONIC FILE TO BE PROVIDED UPON REQUEST.)				
ATHLETIC RUBBER MATS	F-4		BLACK	DUGOUTS
CERAMIC TILE	F-5	DALTILE -KEYSTONES	D204 ARTISAN BROWN SPECKLE	SHOWER
RESINOUS FLOORING	F-6	STONEHARD	STONEBLEND- STONE	RESTROOMS

B - BASE

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
RUBBER	B-1	ROPPE	PEWTER
RESTROOMS: RESINOUS	B-2	STONEHARD-STONEBLEND	STONE
SHOWER: CERAMIC TILE	B-3	DALTILE	ARTISAN BROWN SPECKLE-D204

P - PAINT

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
FIELD (WALL)	P-1	SHERWIN WILLIAMS	7012 CREAMY
FIELD (CEILING)	P-2	SHERWIN WILLIAMS	7008 ALABASTER
EXPOSED STRUC. STEEL COLUMNS	P-5	SHERWIN WILLIAMS	7655 STAMPED CONCRETE
DUGOUT EQUIPMENT	P-6	SHERWIN WILLIAMS	9175 DEEP FOREST BROWN
EXTERIOR DOORS &	P-7 P-7A	SHERWIN WILLIAMS SHERWIN WILLIAMS	9175 DEEP FOREST BROWN 7655 STAMPED CONCRETE
MISC. FIELD FENCE	P-8	SHERWIN WILLIAMS	MATCH FENCE COLOR

FINISH/COLOR SCHED. LEGEND, CONT'D.

C - CEILING

TYPE/LOCATION	MARK	MANUFACTURER	TYPE	SIZE	COLOR
ACOUSTICAL PANEL PAINTED CEILING	C-1	ROCKFON -PACIFIC		2 X 2	WHITE
GYPSUM BOARD	C-2				P-2
PAINTED EXPOSED STRUCTURE	C-2A				P-2
EPOXY PAINTED GYPSUM BOARD	C-2B				P-2
PAINTED EXPOSED STRUCTURE/ DECK (DUGOUTS)	C-2C				P-5

CT - CERAMIC TILE

TYPE	MARK	MANUFACTURER	COLOR	LOCATION
CERAMIC WALL TILE	CT-1	DALTILE	ARTISAN BROWN SPECKLE-D204	SHOWER

MB - MARKERBOARD

TYPE	MARK	MANUFACTURER	COLOR
MARKERBOARD	LC-1	CLARIDGE 48" X 48"	WHITE

TB - TACKBOARD

TYPE	MARK	MANUFACTURER	COLOR
TACKBOARD	TB-1	CLARIDGE - FABRICORK	C620 DOVER

SP - SAFETY PADS

TYPE	MARK	MANUFACTURER	COLOR	SIZE
SP - SAFETY PADS (See Elevation for PISD Athletics Logo within Safety Pad)		PORTER	BLACK	SEE ELVATION

L - LOCKERS

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
12" X 12" DOUBLE STACK/ OFFICIALS ROOM	L-1	PENCO	012 TAWNY WHITE

OHD/ OHCD - OVERHEAD DOORS

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
CONCESSION	OHCD	COOKSON	RAL 8019
STORAGE	OHD	COOKSON	RAL 8019
TICKET BOOTH	OHD	COOKSON	RAL 8019

PL - PLASTIC LAMINATE

TYPE	MARK	MANUFACTURER	COLOR	LOCATION
CASEWORK	PL-1 PL-1A	FORMICA NEVAMAR	EARTHEN WARP - 5880-58 SILVERLINE HAUTELINK HLT004T	(VERTICAL SURFACES) (VERTICAL SURFACES - CONCESSIONS) (HORIZONTAL SURFACES - PRESSBOX)
	PL-2	NEVAMAR	PURE SPUN YARN - YSN002T	
	PL-3	STAINLESS STEEL CLADDED COUNTER TOP		(CONCESSIONS)

TP - TOILET PARTITION

TYPE	MARK	MANUFACTURER	COLOR
HDPE	TP-1	SCRANTON PRODUCTS	NICKEL - HAMMERED

WB - HORIZONTAL LOUVER BLINDS

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
	WB-1	HUNTER DOUGLAS	065 BRUSHED ALUMINUM

WWF - WELDED WIRE FENCE/GATE

TYPE/LOCATION	MARK	MANUFACTURER	STYLE	COLOR
6FT / PER PLANS	WWF-1	DESIGNMASTER	CLASSIC	BLACK

VCLF - VINYL COATED CHAIN LINK FENCE

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
6FT / PER PLANS	VCLF-1		BLACK

WSC - WIND SCREEN

TYPE/LOCATION	MARK	MANUFACTURER	COLOR
PER PLANS	WSC-1		BLACK

ROOM SCHEDULE - LEVEL 01 - AREA B

WT	Name	Floor Finish	Base Finish	Wall Finish North	Wall Finish South	Wall Finish East	Wall Finish West	Ceiling Finish	Note
B1	TICKET	F-1	B-1	P-1	P-1	P-1	P-1	C-2	
B2	CONCESSION	F-1	B-1	P-1	P-1	P-1	P-1	C-2B	4
B3	MENS	F-6	B-2	P-1	P-1	P-1	P-1	C-2B	4
B4	RR	F-6	B-2	P-1	P-1	P-1	P-1	C-2B	4
B4A	WOMENS	F-6	B-2	P-1	P-1	P-1	P-1	C-2B	4
B5	ELEC.	F-1	B-1	P-1	P-1	P-1	P-1	C-2	
B6	VEST	F-6	B-2	P-1	P-1	P-1	P-1	C-2B	4
B6A	WOMENS	F-6	B-2	P-1	P-1	P-1	P-1	C-2B	4
B7	MENS	F-6	B-2	P-1	P-1	P-1	P-1	C-2B	4
B8	RR	F-6/F-5	B-2/B-3	P-1/CT-1	P-1	P-1	P-1	C-2B	3 & 4
B9	OFFICIALS	F-2	B-1	P-1	P-1	P-1	P-1	C-2	4
B10	CUST.	F-1	B-1	P-1	P-1	P-1	P-1	-	4 & 5
B11	MDF	F-1	B-1	P-1	P-1	P-1	P-1	-	
B11A	STOR.	F-1	B-1	P-1	P-1	P-1	P-1	-	
B12	STOR.	F-1	B-1	-	-	-	-	-	
B13	DUGOUT	F-1/ F-4	-		BR-3			C-2C	1
B14	STOR.	F-1	B-1	BR-3	BR-3	BR-3	BR-3	C-2C	
B15	DUGOUT	F-1/ F-4	-	-	BR-3	-	-	C-2C	1
B16	STOR.	F-1	B-1	BR-3	BR-3	BR-3	BR-3	C-2C	
B20	PRESSBOX	F-2	B-1	P-1	P-1	P-1	P-1	C-1	1

DOOR SCHEDULE - LEVEL 01 - AREA B

Mark	Construction Type	Door Width	Door Height	Door Material	Door Thickness	Door Finish	Fire Rating	Door HDW	Frame Type	Frame Material	Frame Finish	Frame Jamb Detail	Frame Head Detail	NOTE	Plaque Type
B1	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		WC205I	01	HM	P-7	7/A9.10	4/A9.10	1	C
B1A	OCCD	2' - 4"	4' - 2"	ALUM		PREFIN.		001		STL.	P-7	1/A6.20	4/A6.03		
B1B	OCCD	7' - 4"	4' - 2"	ALUM.		PREFIN.		001	-	STL.	P-7	1/A6.20	4/A6.03	6	
B1C	OCCD	2' - 4"	4' - 2"	ALUM.		PREFIN.		001		STL.	P-7	1/A6.20	4/A6.03		
B2	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		WC205	-	HM	P-7	5/A9.10	6/A9.10		C
B3	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W805L-IN	05	HM	P-7	5/A9.10	6/A9.10		D
B4	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W345	05	HM	P-7	5/A9.10	6/A9.10		D
B4A	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W805L-IN	05	HM	P-7	1/A9.10	2/A9.10		
B5	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		WD715	05	HM	P-7	5/A9.10	6/A9.10		A
B6	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W805L-IN	05	HM	P-7	5/A9.10	6/A9.10		D
B6A	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		801	05	HM	P-7	1/A9.10	2/A9.10		
B7	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W805L-IN	05	HM	P-7	5/A9.10	6/A9.10		D
B8	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		341	01	HM	P-7	1/A9.10	2/A9.10		D
B9	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		WK205IN	01	HM	P-7	7/A9.10	4/A9.10		C
B10	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W205IN	01	HM	P-7	5/A9.10	6/A9.10		A
B11	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		WC205	05	HM	P-7	5/A9.10	6/A9.10	1	A
B11A	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W205		HM	P-7	5/A9.10	6/A9.10		A
B12	OHCD	7' - 0"	9' - 0"	ALUM.	0' - 1"	PREFIN.		001	01	STL	PREFIN.	9/A9.10	10/A9.10	2	A
B12A	OHCD	7' - 0"	9' - 0"	ALUM.	0' - 1"	PREFIN.		001	-	STL	PREFIN.	9/A9.10	10/A9.10	2	A
B14	FL	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W205	01	HM	P-7	1/A9.10	2/A9.10		A
B16	FL	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7		W205	01	HM	P-7	1/A9.10	2/A9.10		A
B20	F	3' - 0"	6' - 10"	HM	0' - 1 3/4"	P-7A		WC205I	01	HM	P-7A	8/A6.20	5/A6.20	1	C

FINISH SCHEDULE NOTES

GENERAL NOTES:
A. NOTES FOR FINISH SCHEDULE SHEETS ONLY. ALL NOTES MAY NOT NECESSARILY BE USED.

NOTES:
1. REFER TO INTERIOR ELEVATIONS, REFLECTED CEILING PLAN, AND FLOOR PATTERN PLAN FOR ADDITIONAL INFORMATION.
2. REFER TO RESTROOM ELEVATIONS AND FLOOR PATTERN DETAIL FOR ADDITIONAL INFORMATION.
3. CERAMIC TILE (CT-1) AT FLOOR AND WALLS OF SHOWER.
4. EPOXY PAINT AT WALLS.
5. PROVIDE 4'-0" HIGH SST PANEL WAINSCOT AT FLOOR MOUNTED MOP SINK. WAINSCOT TO BE WIDTH OF SINK AT EACH WALL.

DOOR SCHEDULE GENERAL NOTES:

A. REFER TO SHEET A9.10 FOR DOOR AND FRAME TYPES.

DOOR SCHEDULE NOTES:

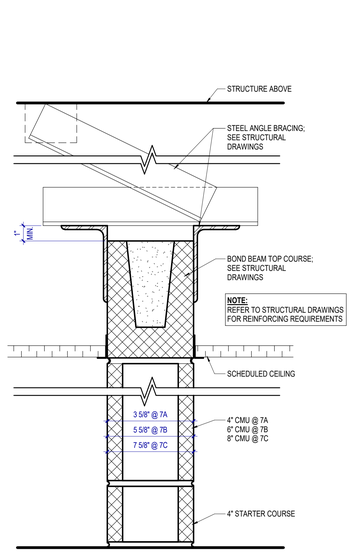
1. CARD READER
2. OVERHEAD COILING DOOR
3. OVERHEAD COILING COUNTER DOOR
4. DOOR IN STRUCTURAL BRICK WALL

LEGEND:

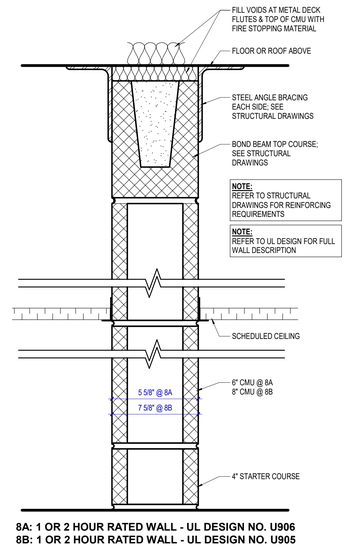
ALUM	ALUMINUM
CT	CLEAR TEMPERED
F.V.	FIELD VERIFY
HM	HOLLOW METAL
MANU	MANUFACTURER
PLAM	PLASTIC LAMINATE FINISH
PREFINISHED	PRE-FINISHED
SCWD	SOLID CORE WOOD DOOR
STL	STEEL

ALL INTERIOR DOOR AND WINDOW GLAZING SHALL BE TYPE 1. TYPICAL.
ALL EXTERIOR DOOR AND WINDOW GLAZING SHALL BE TYPE 2. TYPICAL.

GLAZING TYPES:
1. CLEAR INSULATED, LAMINATED GLASS

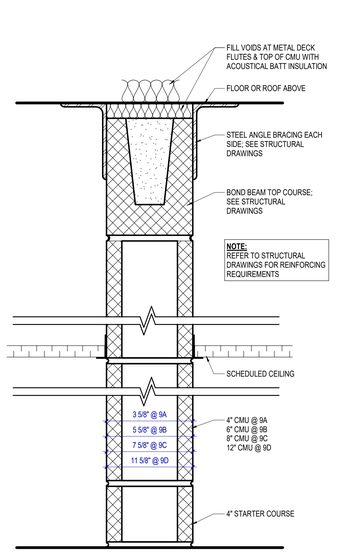


7 PARTITION TYPE 7A, 7B, 7C
3" = 1'-0"



8A: 1 OR 2 HOUR RATED WALL - UL DESIGN NO. U906
8B: 1 OR 2 HOUR RATED WALL - UL DESIGN NO. U905

8 PARTITION TYPE 8A, 8B
3" = 1'-0"



9 PARTITION TYPE 9A, 9B, 9C, 9D
3" = 1'-0"

BINDING EDGE

BINDING EDGE

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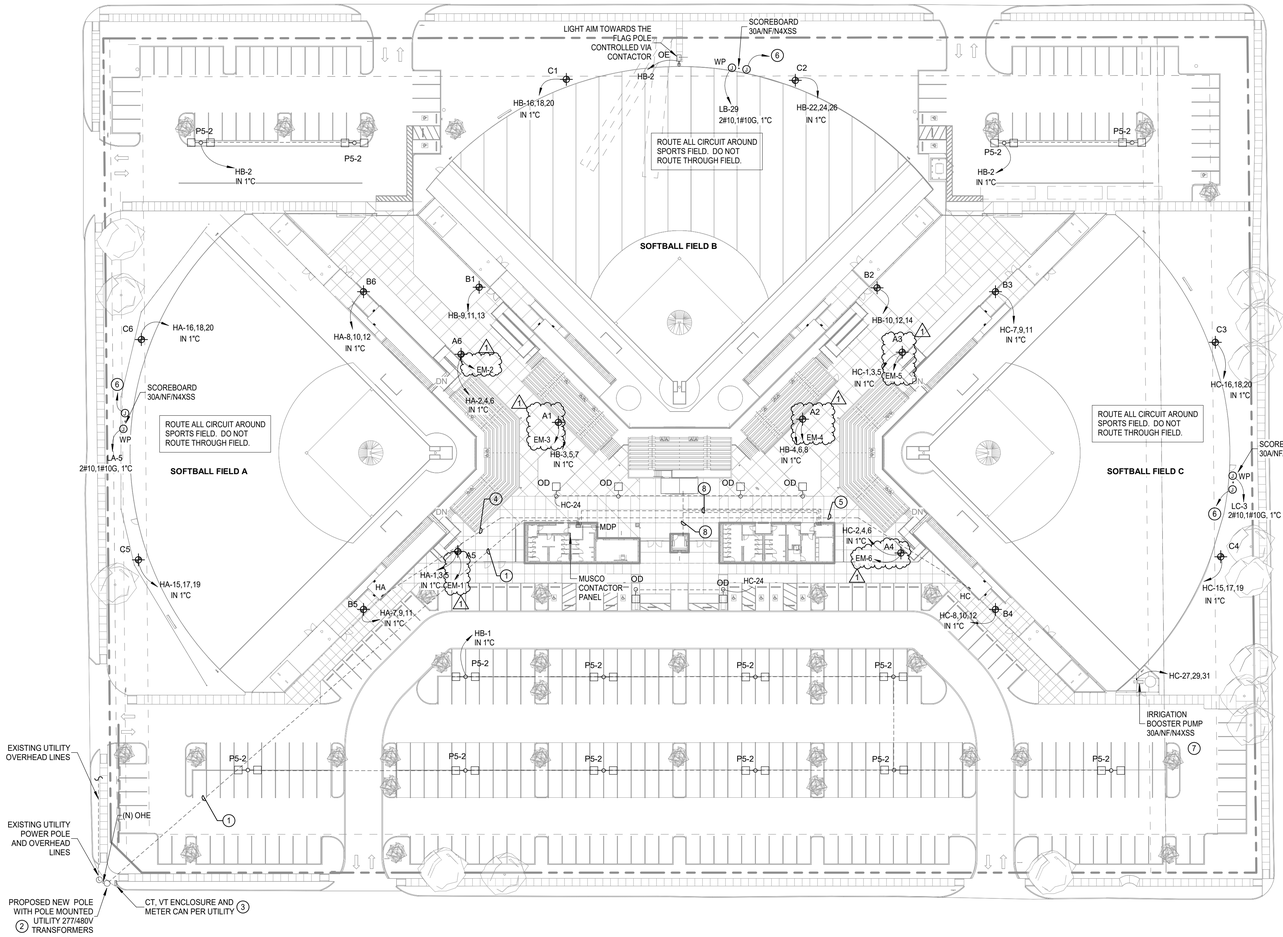
BINDING EDGE

SITE LIGHTING FIXTURE SCHEDULE

Type Mark	CATALOG NUMBER MANUFACTURER	CATALOG NUMBER MODEL	MOUNTING	LAMP TYPE	CCT	CRI	VOLTAGE	LOAD	REMARKS
OD	LIGMAN	USM-21031-66W-W40-06-277	GROUND	3297/LED	4000 K	80	277 V	218 W	FLUSH GROUMD MOUNTED LIGHT COLUMN WITH DIE CAST ALUMINIUM BASE.
OE	INVUE	VFS-K-840-5-LED-E1-MSR-BZ-SM-BZ-VFS-4S-BZ	SURFACE	5,900L LED	4000 K	80	277 V	67 W	LED FLOOD LIGHT WITH MEDIUM SYUMETRIC ROUND, NEMA 4X4 OPTIC WITH FOUR SIDED VISOR; 18 IN TALL STANCHION MOUNT; BRONZE FINISH
P5-2	MCGRAW EDISON	GALN-SA4D-740-U-5MQ	POLE MOUNT 2 @ 180	32029L LED	4000 K	80	277 V	436 W	TYPE 5M AREA LUMINAIRE. 30' SQUARE STEEL POLE.



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1 **ELECTRICAL SITE PLAN**
Scale: 1" = 40'-0"

ELECTRICAL GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ALL CONDUITS WITH ALL OTHER TRADES AND CIVIL PLANS.
2. REFER TO CIVIL PLANS FOR FINAL ROUTING AND DEPTH OF ALL UNDERGROUND UTILITIES.
3. REFER TO TECHNOLOGY SITE PLAN FOR TECHNOLOGY UNDERGROUND CONDUITS AND ROUTING.
4. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ALL SPORTS LIGHTING POLES WITH ARCHITECT AND CIVIL PLANS PRIOR TO ROUGH-IN.
5. NO SPORTS LIGHTING SPILLAGE OUTSIDE OF THE PROPERTY LINES.

ELECTRICAL KEYED NOTES:

1. UNDERGROUND SERVICE ENTRANCE FEEDERS. DO NOT RUN UNDER ANY BUILDING.REFER TO ONE-LINE DIAGRAM FOR SIZE AND QUANTITY.
2. NEW PROPOSED IN-LINE POWER POLE WITH NEW POLE MOUNTED TRANSFORMERS AS PER UTILITY COMPANY STANDARDS. FINAL LOCATION BY CENTERPOINT ENERGY.
3. NEW CT ENCLOSURE NEMA 4XSS AND METER. REFER TO ONE-LINE DIAGRAM.
4. UNDERGROUND FEEDERS TO PANEL HA FROM MDP.
5. UNDERGROUND FEEDERS TO PANEL HC FROM MDP.
6. 1"C WITH PULL STRING FROM SCOREBOARD TO 2ND LEVEL PRESSBOX FOR CONTROL CABLING. COORDINATE FINAL LOCATION IN FIELD.
7. COORINDATE FINAL LOCATION OF PUMP WITH IRRIGATION DRAWINGS AND IN FIELD PRIOR TO ROUGH-IN. PROVIDE UNI-STRUT FOR DISCONECT SWITCH.
8. 2"C WITH PULL STRING DEDICATED FOR FIRE ALARM CABLING.

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New Softball Complex

Pasadena, Texas

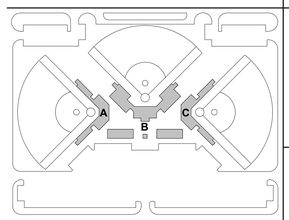
PASADENA INDEPENDENT SCHOOL DISTRICT

STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
12-11-25

Revision Schedule

NO.	ISSUE	DATE
1	ADDENDUM #2	12.11.2025

Sheet Information	
Date	10 November 2025
Job Number	23-012
Drawn	SA
Checked	JZ
Approved	MS



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Title

ELECTRICAL SITE PLAN

Sheet

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CONSTRUCTION DOCUMENTS

BINDING EDGE

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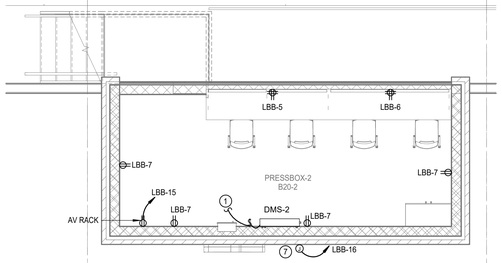

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2 ELECTRICAL POWER PLAN - PRESSBOX

Scale: 1/4" = 1'-0"

A LICENSE FIRE ALARM PLANNING SUPERINDENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEM THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND FIRE ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

ELECTRICAL GENERAL NOTES:

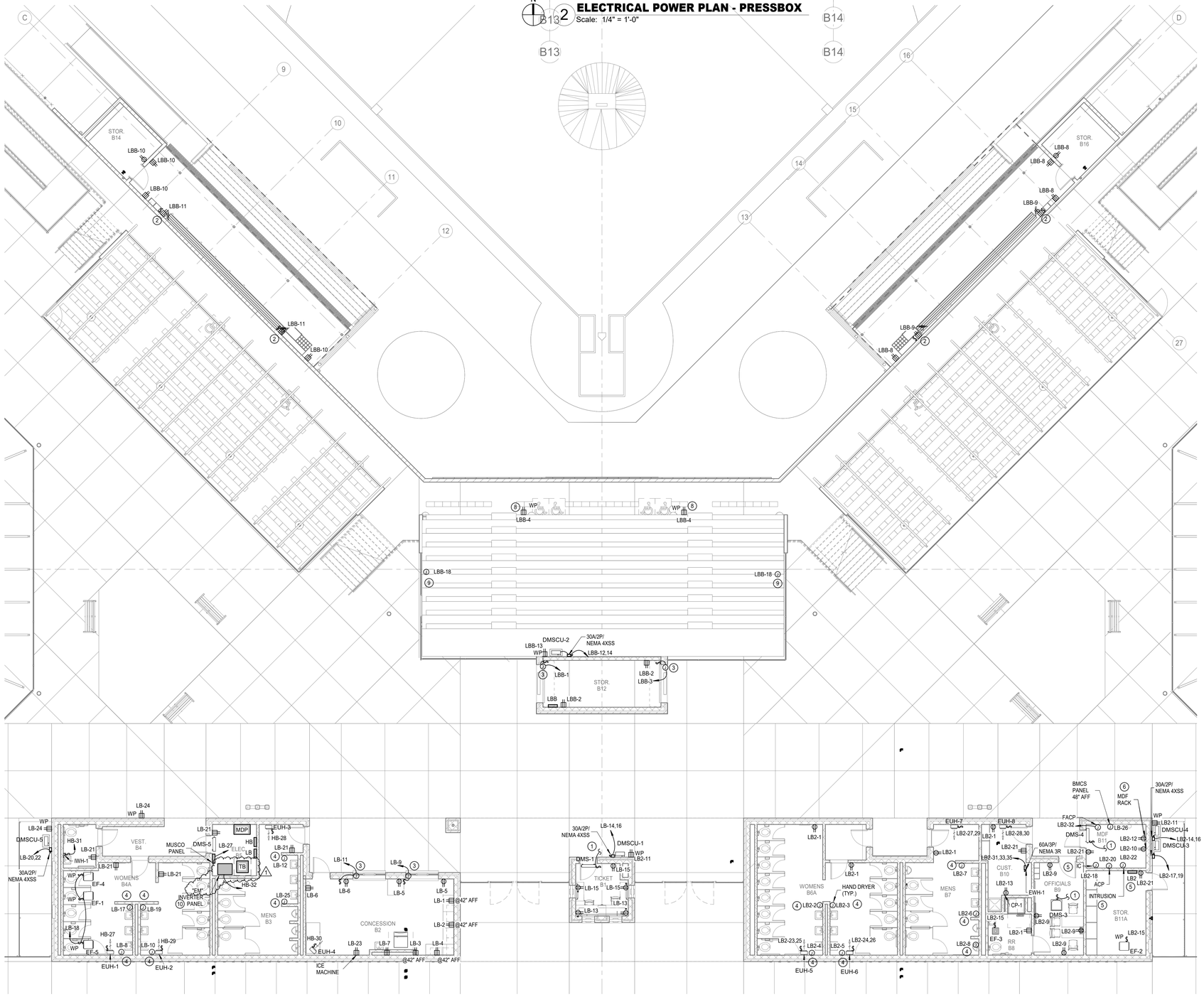
1. REFER TO ARCHITECTURAL DRAWINGS FOR HAND DRYER MOUNTING HEIGHT AND LOCATION. COORDINATE J-BOX LOCATION WITH EQUIPMENT MANUFACTURER INSTALLATION INSTRUCTIONS.

2. LOCATE CONTACTORS IN ROOM AS PANEL SERVING THE LOAD.

3. CONTRACTOR AS OF DIVISION 26 TO COORDINATE LOCATION OF ALL TECHNOLOGY ROUGH-INS WITH TECHNOLOGY DRAWINGS.

ELECTRICAL KEYED NOTES:

1. INDOOR SPLIT UNIT POWERED FROM OUTDOOR SPLIT UNIT. PROVIDE WIRING AS PER MANFACTURER RECOMMENDATION.
2. PROVIDE DUPLEX OUTLET ADJACENT TO THE FAN. COORDINATE EXACT HEIGHT AND LOCATION IN FIELD WITH ARCHITECT. PROVIDE 2-HR TIMER SWITCH FOR FAN.
3. PROVIDE SWITCH AND POWER FOR MOTORIZED ROLL UP DOOR. COORDINATE WITH MANUFACTURER AND PROVIDE RECOMMENDED CONTROL WIRING.
4. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN IN FIELD FOR HAND DRYER.
5. COORDINATE EXACT LOCATION WITH TECHNOLOGY DRAWINGS.
6. MDF RACK OUTLET TO BE MOUNTED ON TOP. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY DRAWINGS.
7. COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT AND NAME LOGO IN FIELD. FACELIT LOGO TO BE CONTROLLED VIA EXTERIOR SITE LIGHTING TIMER.
8. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH TECHNOLOGY DRAWINGS.
9. POWER FOR (2) IRRIGATION CONTROLLERS FOR SOFTBALL AND LANDSCAPE. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
10. PROVIDE EMERGENCY LIGHTING INVERTER EVENLITE LITEMINDER LM-4200-1P-LC-IB-OB-C-TA OR EQUAL. FLOOR MOUNT ON CONCRETE BASE. MOUNT WITH TRANSFORMER IN THE ROOM. INVERTER TURNS ON WHEN LOSS OF POWER OF NORMAL LIGHTS.



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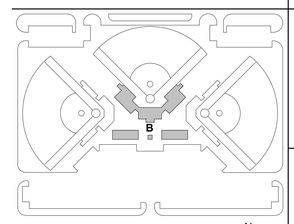
1 ELECTRICAL POWER OVERALL PLAN - LEVEL 1 - Area B

Scale: 1/8" = 1'-0"



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New Softball Complex

Pasadena, Texas

PASADENA INDEPENDENT SCHOOL DISTRICT

BRADLEY KALMANS 80219 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

12-11-25

Revision Schedule

NO.	ISSUE	DATE
1	ADDENDUM #2	12.11.2025

Sheet Information	
Date	10 November 2025
Job Number	23-012
Drawn	SA
Checked	Checker
Approved	Approver

Title

ELECTRICAL POWER FLOOR PLAN - AREA B

Sheet

E3.02

CONSTRUCTION DOCUMENTS

BINDING EDGE

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BINDING EDGE

Branch Panel: HA

Location: STOR. A2 **Volts:** 277/480 Wye **A.I.C. Rating:** 65,000
Supply From: MDP **Phases:** 3 **Enclosure:** Type 1
Mounting: Surface **Wires:** 4 **Mains:** 200A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C		Breaker	Wire	Circuit Description	CKT	Note
	1					2.8 / 2.8							2	
	3	SOFTBALL A FIELD LIGHTING	#8	40	3		2.8 / 2.8		3	40	#8	SOFTBALL A FIELD LIGHTING	4	
	5							2.8 / 2.8					6	
	7					9.9 / 9.9							8	
	9	SOFTBALL A FIELD LIGHTING	#8	40	3		9.9 / 9.9		3	40	#8	SOFTBALL A FIELD LIGHTING	10	
	11							9.9 / 9.9					12	
	13	SOFTBALL FIELD LIGHTING	#12	20	1	0.3 / 0.2			1	20	#12	EXTERIOR WALL PACKS	14	
	15						9.7 / 9.7						16	
	17	SOFTBALL A FIELD LIGHTING	#8	40	3			9.7 / 9.7	3	40	#8	SOFTBALL A FIELD LIGHTING	18	
	19					9.7 / 9.7							20	
--	21	SPARE	--	20	1		0.0 / 0.0		1	20	#12	EXIT SIGNS	22	
--	23	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	24	--
--	25	SPACE	--	20	1	0.0 / 0.0			1	--	--	SPACE	26	--
--	27	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	28	--
--	29	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	30	--
--	31	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	32	--
--	33	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	34	--
--	35	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	36	--
	37					1.3 / 0.0							38	
	39	PANEL LA VIA TA	1-L	70	3		1.3 / 0.0		3	30	--	SPD	40	--
	41							1.5 / 0.0					42	
		Total Load:				46.7 kVA	46.1 kVA	46.4 kVA						
		Total Amps:				169 A	167 A	167 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0.6 kVA	125.00%	0.7 kVA		
Miscellaneous	1.5 kVA	100.00%	1.5 kVA	**Total Conn. Load:**	139.2 kVA
Other	134.6 kVA	100.00%	134.6 kVA	**Total Est. Demand:**	139.3 kVA
Receptacles	2.5 kVA	100.00%	2.5 kVA	**Total Conn. Current:**	167 A
				Total Est. Demand Current:	168 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: HB

Location: ELEC. B5 **Volts:** 277/480 Wye **A.I.C. Rating:** 65,000
Supply From: MDP **Phases:** 3 **Enclosure:** Type 1
Mounting: Surface **Wires:** 4 **Mains:** 400A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C		Breaker	Wire	Circuit Description	CKT	Note
	1	PARKING LOT SITE LITG.	#10	20	1	4.4 / 1.8			1	20	#10	NORTH PARKING LOT SITE LITG.	2	
	3						0.2 / 3.7						4	
	5	SOFTBALL B FIELD LIGHTING	#8	40	3			0.2 / 3.7	3	40	#8	SOFTBALL B FIELD LIGHTING	6	
	7					0.2 / 3.7							8	
	9						9.7 / 9.7						10	
	11	SOFTBALL B FIELD LIGHTING	#8	40	3			9.7 / 9.7	3	40	#8	SOFTBALL B FIELD LIGHTING	12	
	13					9.7 / 9.7							14	
	15	DUGOUT LIGHTING	#12	20	1		0.3 / 9.7						16	
	17	FIELD B WALL PACKS	#12	20	1			0.5 / 9.7	3	40	#8	SOFTBALL B FIELD LIGHTING	18	
	19	FIELD B WALL PACKS	#12	20	1	0.2 / 9.7							20	
	21	CONCESSIONS EXTERIOR LIGHTING	#12	20	1		1.1 / 9.7						22	
	23	CONCESSIONS LIGHTING	#12	20	1			1.2 / 9.7	3	40	#8	SOFTBALL B FIELD LIGHTING	24	
	25	CONCESSIONS LIGHTING	#12	20	1	0.6 / 9.7							26	
	27	EUH-1 WOMENS B4A	#12	20	1		5.0 / 5.0		1	20	#12	EUH-3 MENS B3	28	
	29	EUH-2 WOMENS B4A	#12	20	1			3.3 / 5.0	1	20	#12	EUH-4 CONCESSION B2	30	
	31	IWH-1	#12	20	1	4.1 / 3.5			1	30	#10	EM INVERTER	32	
	33						0.0 / 0.0		1	20	--	SPARE	34	--
--	35	SPARE	--	20	3			0.0 / 0.0	1	20	--	SPARE	36	--
	37					0.0 / 0.0			1	20	--	SPARE	38	--
--	39	SPARE	--	20	1		0.0 / 0.0		1	20	--	SPARE	40	--
--	41	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	42	--
	43					23.8 / 0.0							44	
	45	PANEL LB VIA XFMR TB	1-L	70	3		23.3 / 0.0		3	30	--	SPD	46	--
	47							28.5 / 0.0					48	
		Total Load:				81.0 kVA	77.3 kVA	81.1 kVA						
		Total Amps:				294 A	279 A	295 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	20.8 kVA	100.00%	20.8 kVA		
Heating	34.9 kVA	100.00%	34.9 kVA	**Total Conn. Load:**	235.8 kVA
Lighting	10.7 kVA	125.00%	13.3 kVA	**Total Est. Demand:**	237.5 kVA
Miscellaneous	30.0 kVA	100.00%	30.0 kVA	**Total Conn. Current:**	284 A
Other	127.6 kVA	100.00%	127.6 kVA	**Total Est. Demand Current:**	286 A
Receptacles	11.9 kVA	92.09%	10.9 kVA		

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LA

Location: STOR. A2 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000
Supply From: TA **Phases:** 3 **Enclosure:** Type 1
Mounting: Surface **Wires:** 4 **Mains:** 100A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C		Breaker	Wire	Circuit Description	CKT	Note
	1	Receptacles Room A002, A001	#12	20	1	0.7 / 0.2			1	20	#12	DUGOUT FANS REC.	2	
	3	TECHNOLOGY FOR SOFTBALL	#12	20	1		0.4 / 0.2		1	20	#12	DUGOUT FANS REC.	4	
	5	SCOREBOARD	#10	20	1			1.5 / 0.0	1	20	--	SPARE	6	--
--	7	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	8	--
--	9	SPARE	--	20	1		0.0 / 0.0		1	20	--	SPARE	10	--
--	11	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	12	--
--	13	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	14	--
--	15	SPARE	--	20	1		0.0 / 0.0		1	20	--	SPARE	16	--
--	17	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	18	--
--	19	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	20	--
--	21	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	22	--
--	23	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	24	--
--	25	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	26	--
--	27	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	28	--
--	29	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	30	--
--	31	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	32	--
--	33	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	34	--
--	35	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	36	--
	37					0.0 / 0.4							38	
--	39	SPD	--	30	3		0.0 / 0.7		3	40	1-L	PANEL LA2	40	
	41							0.0 / 0.0					42	
		Total Load:				1.3 kVA	1.3 kVA	1.5 kVA						
		Total Amps:				11 A	11 A	13 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Miscellaneous	1.5 kVA	100.00%	1.5 kVA		
Receptacles	2.5 kVA	100.00%	2.5 kVA	**Total Conn. Load:**	4.0 kVA
				Total Est. Demand:	4.0 kVA
				Total Conn. Current:	11 A
				Total Est. Demand Current:	11 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: HC

Location: STOR. C2 **Volts:** 277/480 Wye **A.I.C. Rating:** 65,000
Supply From: MDP **Phases:** 3 **Enclosure:** Type 1
Mounting: Surface **Wires:** 4 **Mains:** 200A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C		Breaker	Wire	Circuit Description	CKT	Note
	1					2.8 / 2.8							2	
	3	SOFTBALL C FIELD LIGHTING	#8	40	3		2.8 / 2.8		3	40	#8	SOFTBALL C FIELD LIGHTING	4	
	5							2.8 / 2.8					6	
	7					9.9 / 9.9							8	
	9	SOFTBALL C FIELD LIGHTING	#8	40	3		9.9 / 9.9		3	40	#8	SOFTBALL C FIELD LIGHTING	10	
	11							9.9 / 9.9					12	
	13	SOFTBALL FIELD LIGHTING	#12	20	1	0.3 / 0.2			1	20	#12	EXTERIOR WALL PACKS	14	
	15						9.7 / 9.7						16	
	17	SOFTBALL C FIELD LIGHTING	#8	40	3			9.7 / 9.7	3	40	#8	SOFTBALL C FIELD LIGHTING	18	
	19					9.7 / 9.7							20	
--	21	SPARE	--	20	1		0.0 / 0.0		1	20	#12	EXIT SIGNS	22	
--	23	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	24	--
--	25	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	26	--
	27						2.1 / 0.0		1	--	--	SPACE	28	--
	29	IRRIGATION BOOSTER PUMP	#12	20	3			2.1 / 0.0	1	--	--	SPACE	30	--
	31					2.1 / 0.0			1	--	--	SPACE	32	--
--	33	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	34	--
--	35	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	36	--
	37					1.8 / 0.0							38	
	39	PANEL LC VIA TC	1-L	70	3		2.0 / 0.0		3	30	--	SPD	40	--
	41							0.2 / 0.0					42	
		Total Load:				49.3 kVA	49.0 kVA	47.1 kVA						
		Total Amps:				179 A	178 A	170 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	0.6 kVA	125.00%	0.7 kVA		
Miscellaneous	7.8 kVA	100.00%	7.8 kVA	**Total Conn. Load:**	145.5 kVA
Other	134.6 kVA	100.00%	134.6 kVA	**Total Est. Demand:**	145.6 kVA
Receptacles	2.5 kVA	100.00%	2.5 kVA	**Total Conn. Current:**	175 A
				Total Est. Demand Current:	175 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LB

Location: ELEC. B5 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000
Supply From: TB **Phases:** 3 **Enclosure:** Type 1
Mounting: Surface **Wires:** 4 **Mains:** 250A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C		Breaker	Wire	Circuit Description	CKT	Note
	1	Receptacles CONCESSION B003	#12	20	1	0.2 / 0.2			1	20	#12	Receptacles CONCESSION B003	2	
	3	Receptacles CONCESSION B003	#12	20	1		0.2 / 0.2		1	20	#12	Receptacles CONCESSION B003	4	
	5	Receptacles CONCESSION B003	#12	20	1			0.4 / 0.4	1	20	#12	HAND DRYER WOMEN'S B005	6	
G	7	Receptacles CONCESSION B003	#12	20	1	0.2 / 0.5			1	20	#12	HAND DRYER WOMEN'S B005	8	
	9	MOTORIZED ROLLUP DOOR	#12	20	1		0.5 / 0.5		1	20	#12	HAND DRYER WOMEN'S B005	10	
	11	MOTORIZED ROLLUP DOOR	#12	20	1			0.5 / 0.5	1	20	#12	HAND DRYER MENS B004	12	
	13	Receptacles TICKET B001	#12	20	1	0.4 / 1.1							14	
	15	Receptacles TICKET B001	#12	20	1		0.5 / 1.1		2	30	#10	OUTDOOR SPLIT UNIT DMSCU-1	16	
	17	HAND DRYER WOMEN'S B005	#12	20	1			0.5 / 3.5	1	30	#12	EF -1, EF-4, EF-5	18	
	19	HAND DRYER WOMEN'S B005	#12	20	1	0.5 / 1.1							20	
	21	Receptacles Room B002, B004, B005	#12	20	1		0.9 / 1.1		2	30	#10	OUTDOOR SPLIT UNIT DMSCU-5	22	
G	23	ICE MACHINE	#12	20	1			0.2 / 0.4	1	20	#12	EXTERIOR RECEPTACLES	24	
	25	HAND DRYER MENS B004	#12	20	1	0.5 / 0.5			1	20	#12	BMCS PANEL	26	LO
	27	MUSCO PANEL B	#12	20	1		0.5 / 0.0		1	20	--	SPARE	28	--
	29	SCOREBOARD	#6	20	1			1.5 / 0.0	1	20	--	SPARE	30	--
--	31	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	32	--
--	33	SPARE	--	20	1		0.0 / 0.0		1	20	--	SPARE	34	--
--	35	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	36	--
--	37	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	38	--
--	39	SPACE	--	--	1		0.0 / 0.0		1	20	--	SPARE	40	--
--	41	SPACE	--	--	1			0.0 / 0.0	1	20	--	SPARE	42	--
--	43	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	44	--
--	45	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	46	--
--	47	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	48	--
	49					3.6 / 15.0							50	
	51	PANEL LBB	1-L	60	3		2.6 / 15.1		3	150	1-L	PANEL LB2	52	
	53							4.2 / 16.5					54	
		Total Load:				23.8 kVA	23.3 kVA	28.5 kVA						
		Total Amps:				199 A	194 A	238 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	16.7 kVA	100.00%	16.7 kVA		
Heating	16.6 kVA	100.00%	16.6 kVA	**Total Conn. Load:**	75.7 kVA
Lighting	0.5 kVA	125.00%	0.6 kVA	**Total Est. Demand:**	74.8 kVA
Miscellaneous	30.0 kVA	100.00%	30.0 kVA	**Total Conn. Current:**	210 A
Receptacles	11.9 kVA	92.09%	10.9 kVA	**Total Est. Demand Current:**	208 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

Branch Panel: LC

Location: STOR. C2 **Volts:** 120/208 Wye **A.I.C. Rating:** 10,000
Supply From: TC **Phases:** 3 **Enclosure:** Type 1
Mounting: Surface **Wires:** 4 **Mains:** 100A MCB

Phase in kVA

Note	CKT	Circuit Description	Wire	Breaker		A	B	C		Breaker	Wire	Circuit Description	CKT	Note
	1	Receptacles STOR. C004	#12	20	1	0.7 / 0.2			1	20	#12	DUGOUT FANS REC.	2	
	3	SCOREBOARD	#6	20	1		1.5 / 0.4		1	20	#12	TECHNOLOGY FOR SOFTBALL	4	
--	5	SPARE	--	20	1			0.0 / 0.2	1	20	#12	DUGOUT FANS REC.	6	
--	7	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	8	--
--	9	SPARE	--	20	1		0.0 / 0.0		1	20	--	SPARE	10	--
--	11	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	12	--
--	13	SPARE	--	20	1	0.0 / 0.0			1	20	--	SPARE	14	--
--	15	SPARE	--	20	1		0.0 / 0.0		1	20	--	SPARE	16	--
--	17	SPARE	--	20	1			0.0 / 0.0	1	20	--	SPARE	18	--
--	19	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	20	--
--	21	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	22	--
--	23	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	24	--
--	25	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	26	--
--	27	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	28	--
--	29	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	30	--
--	31	SPACE	--	--	1	0.0 / 0.0			1	--	--	SPACE	32	--
--	33	SPACE	--	--	1		0.0 / 0.0		1	--	--	SPACE	34	--
--	35	SPACE	--	--	1			0.0 / 0.0	1	--	--	SPACE	36	--
	37					0.0 / 0.9							38	
--	39	SPDL	--	30	3		0.0 / 0.2		3	40	1-L	PANEL LC2	40	
	41							0.0 / 0.0					42	
		Total Load:				1.8 kVA	2.0 kVA	0.2 kVA						
		Total Amps:				17 A	19 A	2 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Miscellaneous	1.5 kVA	100.00%	1.5 kVA		
Receptacles	2.5 kVA	100.00%	2.5 kVA	**Total Conn. Load:**	4.0 kVA
				Total Est. Demand:	4.0 kVA
				Total Conn. Current:	11 A
				Total Est. Demand Current:	11 A

Notes:

Abbrevations:
G - PROVIDE GFCI CIRCUIT BREAKER
LF - PROVIDE PERMANENT LOCK-OFF DEVICE
LO - PROVIDE PERMANENT LOCK-ON DEVICE

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New Softball Complex

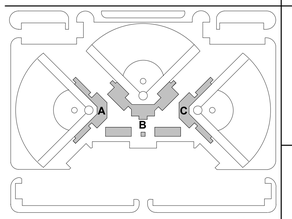
Pasadena, Texas
PASADENA INDEPENDENT SCHOOL DISTRICT

BRADLEY KALMUS — 80219 — LICENSED — PROFESSIONAL ENGINEER
12-11-25

Revision Schedule

NO.	ISSUE	DATE
1	ADDENDUM #2	12.11.2025

Sheet Information	
Date	10 November 2025
Job Number	23-012
Drawn	SA
Checked	JZ
Approved	MS



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Title

ELECTRICAL PANEL SCHEDULES

Sheet

E6.01

CONSTRUCTION DOCUMENTS

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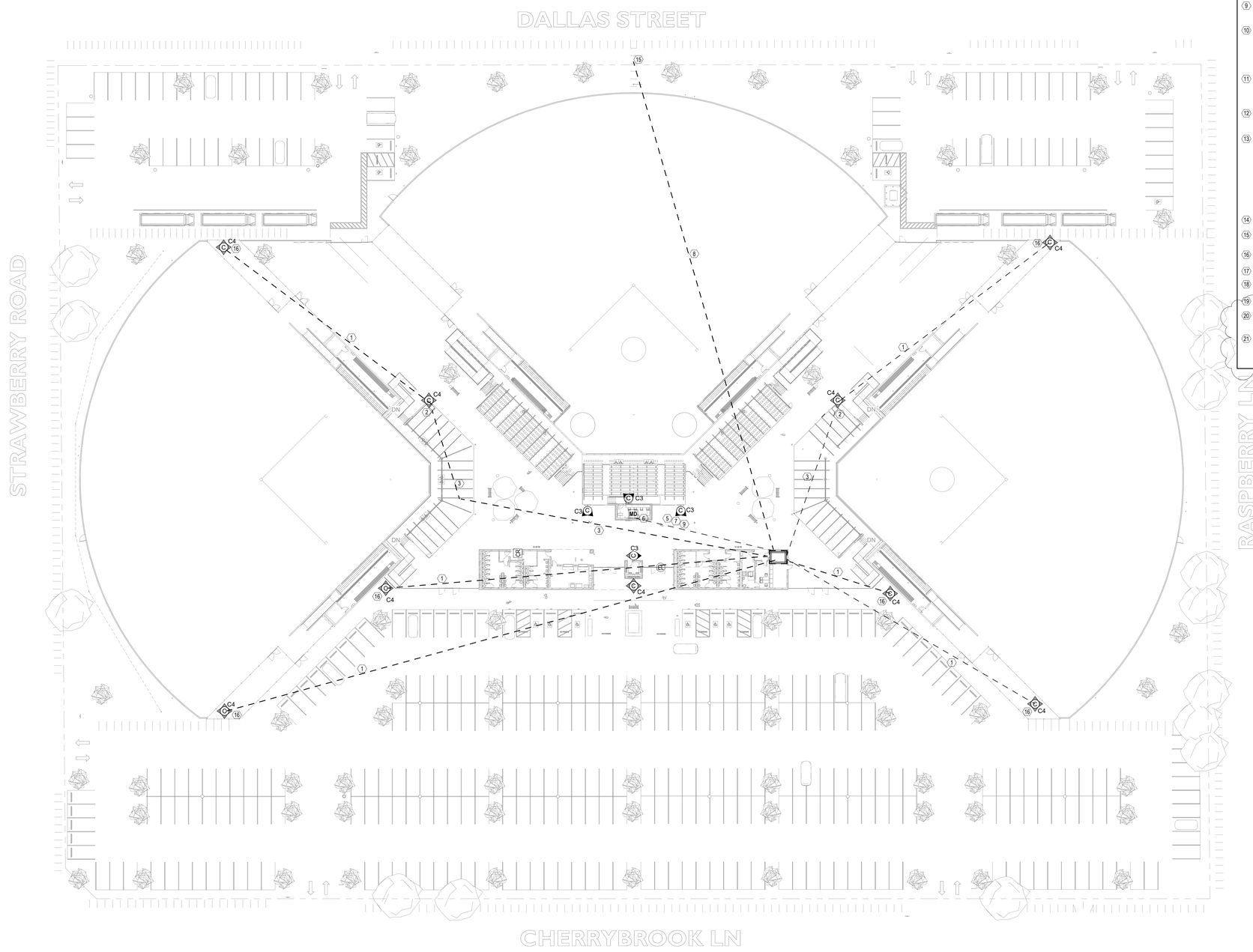
CONSTRUCTION DOCUMENTS

CONSTRUCTION DOCUMENTS

Autodesk Docs://Pasadena ISD - Softball Complex/PISD - Softball Complex - TECH - v23.rvt



1 OVERALL SITE PLAN
SCALE: 1" = 30'-0"

TECHNOLOGY KEYNOTES

1. ONE (1) 2" UNDERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INNERDUCTS TO CAMERA POLE. CONTRACTOR SHALL PROVIDE AND INSTALL STRONGPOLE 16' STEADYMAX CAMERA POLE WITH 30"X 72" STRONGFORMS CONCRETE FORM AND TOP OF POLE MOUNT FOR MULTI-IMAGER CAMERA (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT AND DISCIPLINE COORDINATION). 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
2. WALL MOUNTED PULL BOX, MIN. SIZE 24X24X6. PROVIDE ONE (1) 120VAC, 20A CIRCUIT.
3. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
4. ONE (1) X 1-1/2" CONDUIT FROM PULL BOX TO CAMERA. 2 STRAND POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.ONE (1) x 4" UNERGROUND CONDUIT W/3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
5. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX FROM MDF TO PRESSBOX FOR SECURITY CABLING.
6. WALL MOUNTED PULL BOX, MIN. SIZE 24X24X6.
7. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 6-STRAND INDOOR/OUDOOR MM FIBER FROM MDF TO PRESSBOX.
8. FOUR (4) 4" UNDERGROUND CONDUITS WITH 3-CELL DETECTABLE MAXCELL INNERDUCTS FROM MDF TO EDGE OF PROPERTY LINE PULLBOX LOCATION FOR BUILDING SERVICES (PHONOSCOPE) FIBER AND TELECOM CONNECTIVITY. (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT)
9. ONE (1) 2" UNDERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX FROM MDF TO PRESSBOX FOR CARD READER.
10. LOUDSPEAKER (TYPICAL OF 4) - MOUNTED TO POLE OF SAFETY NET. CONTRACTOR TO PROVIDE 1" CONDUIT PATHWAY FROM AV RACK IN PRESSBOX TO SPEAKER LOCATION ON EACH POLE. TERMINATED IN WEATHER-RESISTANT SINGLE-GANG ENCLOSURE WITH BLANK FACEPLATE. AV CONTRACOTR TO SECURELY MOUNT SPEAKERS TO THE POLE, AND AIM TO DISTRIBUTE SOUND AS EVENLY AS POSSIBLE ACROSS ALL BLEACHERS. AV CONTRACTOR SHALL PROVIDE LOUDSPEAKER (REF. LINE DETAILS), MOUNT AND SUPPORT STRUCTURE AND OUTDOOR-RATED 12/2 SPEAKER WIRE.
11. WIRELESS MICROPHONE ANTENNA (TYPICAL OF TWO LOCATIONS) 4-11/16" SQ, 3-1/4" DEEP BACKBOX W/ DOUBLE GANG RING MOUNTED ABOVE PRESS BOX WINDOWS PROVIDE (1) 1-1/4" C STUBBED INTO ACCESSIBLE CEILING SPACE AVC SHALL PROVIDE ANTENNA AND AIM TOWARDS FIELD. PROVIDE WIRELSS MIC COVERAGE FROM PRESSBOX AND EXTEND COVERAGE TO COVER THE FULL INFIELD AREA.
12. PTT MICROPHONE OUTLET 4-11/16" SQ. 3-1/4" DEEP BACK BOX W/ SINGLE GANG RING AT OUTLET HEIGHT PROVIDE (1) 1-1/4" C STUBBED UP INTO BASE AV RACK LOCATION. AVC TO PROVIDE PTT MIC INPUT PLATE AND CABLING TO AUDIO MIXER/ DSP.
13. AV CABINET EQUIPMENT
    ONE (1) MIDDLE ATLANTIC SR24-28 FLOOR MOUNTED SWING RACK
    ONE (1) MIDDLE ATLANTIC VFD-24 VENTED FRONT DOOR
    ONE (1) MIDDLE ATLANTIC FAN KIT UQFP-4RA
    *INTAKE MOUNTED IN BOTTOM BASE
    *EXHAUST MOUNTED AT TOP OF CABLE CHASE
    CONDUITS ROUTED TO EC1 CABINET
    THREE (3) 1.5" CONDUITS FOR SPEAKERS MOUNTED TO PRESS BOX "S1"
    ONE (1) 2" CONDUIT FOR CONCOURSE SPEAKERS "S2"
    ONE (1) 1-1/4" CONDUIT FOR MIC. OUTLET
    ONE (2) 1-1/4" CONDUIT FOR WIRELESS ANTENNA "AN1"
14. HUDDL CAMERA LOCATION. PROVIDE 120VAC POWER OUTLET AND (1) DATA.
15. NEW FIBERGLASS-REINFORCED UNDERGROUND ENCLOSURE 36"X48"X48" (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT AND DISCIPLINE COORDINATION).
16. CAMERA TO BE INSTALLED ON DEDICATED CAMERA POLE. REFERENCE DETAIL 6, SHEET T600.
17. SPACE RESERVED FOR FIRE ALARM CONTROL PANEL & BUILDING AUTOMATION.
18. SPACE RESERVED FOR ELECTRONIC ACCESS CONTROL PANEL.
19. SPACE RESERVED FOR INTRUSION DETECTION CONTROL PANEL.
20. CONDUIT REQUIRED FROM THIS LOCATION TO MDF. COORDINATE REQUIREMENTS WITH DIVISION 26 CONTRACTOR. REFERENCE DETAIL 2, SHEET T601).
21. TERMINATE FIBER AT THIS LOCATION IN SURFACE-MOUNT FIBER SPLICE ENCLOSURE. PROVIDE AND INSTALL SURFACE-MOUNTED REBOX IDF CABINET ADJACENT TO SOUND RACK. REBOX CABINET TO BE SIZED APPROPRIATELY FOR (1) SWITCH AND (1) PDU. COORDINATED WITH DIVISION 26 CONTRACTOR FOR (1) 110VAC QUAD OUTLET AT THIS LOCATION TO SERVE IDF EQUIPMENT.

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PASADENA ISD SOFTBALL COMPLEX

Pasadena, Texas

PASADENA INDEPENDENT SCHOOL DISTRICT

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Jeff Scott Coombs
BICSI ID # 221090
EXPIRES 12-31-27
RCDD

Revision Schedule

NO.	ISSUE	DATE
1	ADDENDUM 01	11/25/25
2	ADDENDUM 02	12/10/25

Sheet Information

Date	11-10-25
Job Number	23-012
Drawn	Author
Checked	Checker
Approved	Approver

Title

TECHNOLOGY - OVERALL SITE PLAN

Sheet

T1.01

CONSTRUCTION DOCUMENT

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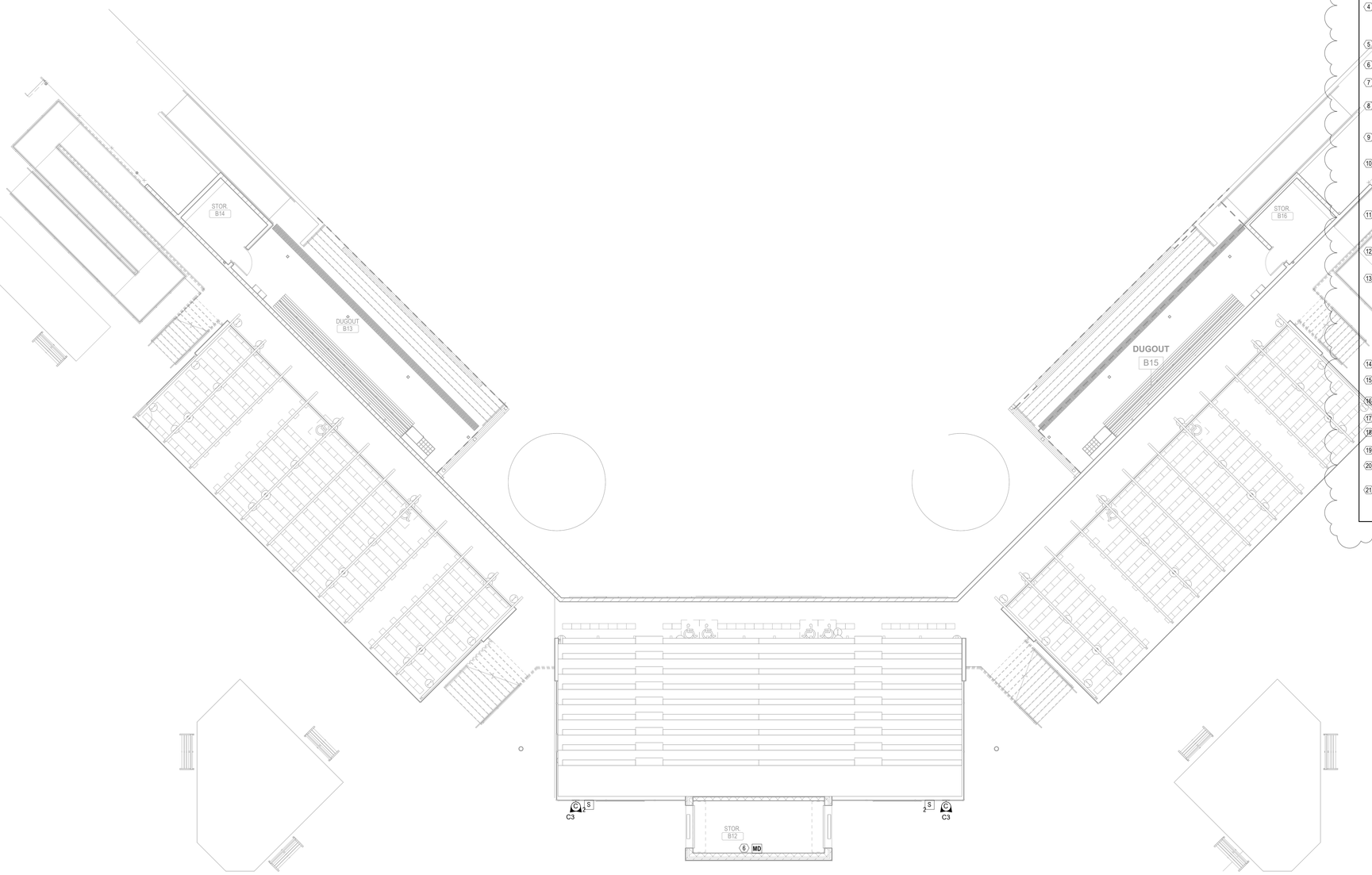

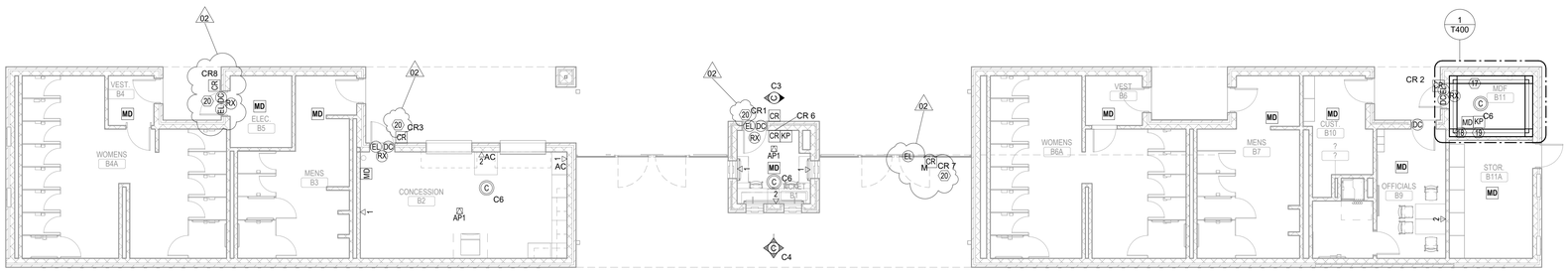

C3 FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

TECHNOLOGY KEYNOTES

1. ONE (1) 2" UNDERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INNERDUCTS TO CAMERA POLE. CONTRACTOR SHALL PROVIDE AND INSTALL STRONGPOLE 16' STEADYMAX CAMERA POLE WITH 30"X 72" STRONGFORMS CONCRETE FORM AND TOP OF POLE MOUNT FOR MULTI-IMAGER CAMERA (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT AND DISCIPLINE COORDINATION). 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
2. WALL MOUNTED PULL BOX, MIN. SIZE 24X24X6. PROVIDE ONE (1) 120VAC, 20A CIRCUIT.
3. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
4. ONE (1) X 1-1/2" CONDUIT FROM PULL BOX TO CAMERA. 2 STRAND POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA,ONE (1) x 4" UNERGROUND CONDUIT W/3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
5. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX FROM MDF TO PRESSBOX FOR SECURITY CABLING.
6. WALL MOUNTED PULL BOX, MIN. SIZE 24X24X6.
7. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 6-STRAND INDOOR/OUDOOR MM FIBER FROM MDF TO PRESSBOX.
8. FOUR (4) 4" UNDERGROUND CONDUITS WITH 3-CELL DETECTABLE MAXCELL INNERDUCTS FROM MDF TO EDGE OF PROPERTY LINE PULLBOX LOCATION FOR BUILDING SERVICES (PHONOSCOPE) FIBER AND TELECOM CONNECTIVITY. (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT)
9. ONE (1) 2" UNDERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX FROM MDF TO PRESSBOX FOR CARD READER.
10. LOUDSPEAKER (TYPICAL OF 4) - MOUNTED TO POLE OF SAFETY NET. CONTRACTOR TO PROVIDE 1" CONDUIT PATHWAY FROM AV RACK IN PRESSBOX TO SPEAKER LOCATION ON EACH POLE, TERMINATED IN WEATHER-RESISTANT SINGLE-GANG ENCLOSURE WITH BLANK FACEPLATE. AV CONTRACOTR TO SECURELY MOUNT SPEAKERS TO THE POLE, AND AIM TO DISTRIBUTE SOUND AS EVENLY AS POSSIBLE ACROSS ALL BLEACHERS. AV CONTRACTOR SHALL PROVIDE LOUDSPEAKER (REF. LINE DETAILS), MOUNT AND SUPPORT STRUCTURE AND OUTDOOR-RATED 12/2 SPEAKER WIRE.
11. WIRELESS MICROPHONE ANTENNA (TYPICAL OF TWO LOCATIONS) 4-11/16" SQ. 3-1/4" DEEP BACKBOX W/ DOUBLE GANG RING MOUNTED ABOVE PRESS BOX WINDOWS PROVIDE (1) 1-1/4" C STUBBED INTO ACCESSIBLE CEILING SPACE AVC SHALL PROVIDE ANTENNA AND AIM TOWARDS FIELD. PROVIDE WIRELSS MIC COVERAGE FROM PRESSBOX AND EXTEND COVERAGE TO COVER THE FULL INFIELD AREA.
12. PTT MICROPHONE OUTLET 4-11/16" SQ. 3-1/4" DEEP BACK BOX W/ SINGLE GANG RING AT OUTLET HEIGHT PROVIDE (1) 1-1/4" C STUBBED UP INTO BASE AV RACK LOCATION. AVC TO PROVIDE PTT MIC INPUT PLATE AND CABLING TO AUDIO MIXER/ DSP.
13. AV CABINET EQUIPMENT
    - ONE (1) MIDDLE ATLANTIC SR24-28 FLOOR MOUNTED SWING RACK
    - ONE (1) MIDDLE ATLANTIC VFD-24 VENTED FRONT DOOR
    - ONE (1) MIDDLE ATLANTIC FAN KIT UQFP-4RA
      - *INTAKE MOUNTED IN BOTTOM BASE
      - *EXHAUST MOUNTED AT TOP OF CABLE CHASE

    CONDUITS ROUTED TO EC1 CABINET
    - THREE (3) 1.5" CONDUITS FOR SPEAKERS MOUNTED TO PRESS BOX "S1"
    - ONE (1) 2" CONDUIT FOR CONCOURSE SPEAKERS "S2"
    - ONE (1) 1-1/4" CONDUIT FOR MIC. OUTLET
    - ONE (2) 1-1/4" CONDUIT FOR WIRELESS ANTENNA "AN1"
14. HUDDL CAMERA LOCATION. PROVIDE 120VAC POWER OUTLET AND (1) DATA.
15. NEW FIBERGLASS-REINFORCED UNDERGROUND ENCLOSURE 36"X48"X48" (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT AND DISCIPLINE COORDINATION).
16. CAMERA TO BE INSTALLED ON DEDICATED CAMERA POLE. REFERENCE DETAIL 6, SHEET T600.
17. SPACE RESERVED FOR FIRE ALARM CONTROL PANEL & BUILDING AUTOMATION.
18. SPACE RESERVED FOR ELECTRONIC ACCESS CONTROL PANEL.
19. SPACE RESERVED FOR INTRUSION DETECTION CONTROL PANEL.
20. CONDUIT REQUIRED FROM THIS LOCATION TO MDF. COORDINATE REQUIREMENTS WITH DIVISION 26 CONTRACTOR. REFERENCE DETAIL 2, SHEET T601).
21. TERMINATE FIBER AT THIS LOCATION IN SURFACE-MOUNT FIBER SPLICE ENCLOSURE. PROVIDE AND INSTALL SURFACE-MOUNTED REBOX IDF CABINET ADJACENT TO SOUND RACK. REBOX CABINET TO BE SIZED APPROPORIATELY FOR (1) SWITCH AND (1) PDU. COORDINATED WITH DIVISION 26 CONTRACTOR FOR (1) 110VAC QUAD OUTLET AT THIS LOCATION TO SERVE IDF EQUIPMENT.

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PASADENA ISD SOFTBALL COMPLEX

Pasadena, Texas

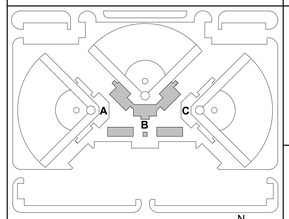
PASADENA INDEPENDENT SCHOOL DISTRICT

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Brian C Porter
BICSI ID # 256657
EXPIRES 12-31-27
RCDD

Revision Schedule

NO.	ISSUE	DATE
2	ADDENDUM 02	12/10/25

Sheet Information	
Date	11-10-25
Job Number	23-012
Drawn	PR
Checked	RL
Approved	RL



Title

TECHNOLOGY - GROUND LEVEL PLAN - AREA B

Sheet

T2.02.1

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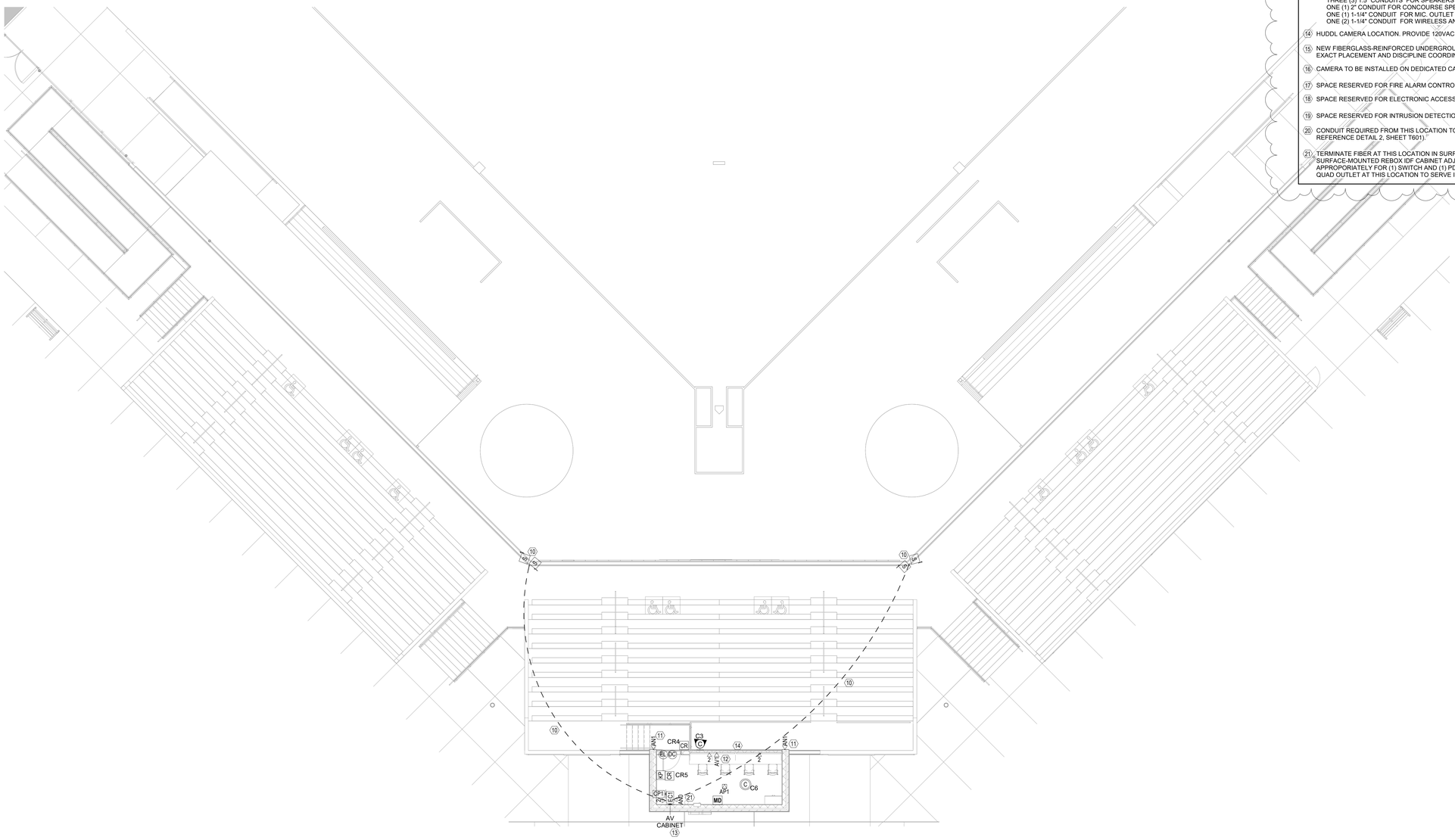

1 GRANDSTAND LEVEL - AREA B
SCALE: 1/8" = 1'-0"

TECHNOLOGY KEYNOTES

1. ONE (1) 2" UNDERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INNERDUCTS TO CAMERA POLE. CONTRACTOR SHALL PROVIDE AND INSTALL STRONGPOLE 16' STEADYMAX CAMERA POLE WITH 30"X 72" STRONGFORMS CONCRETE FORM AND TOP OF POLE MOUNT FOR MULTI-IMAGER CAMERA (REFERENCE ELECTRICAL PLANS FOR EXACT PLACEMENT AND DISCIPLINE COORDINATION). 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
2. WALL MOUNTED PULL BOX, MIN. SIZE 24X24X6. PROVIDE ONE (1) 120VAC, 20A CIRCUIT.
3. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
4. ONE (1) X 1-1/2" CONDUIT FROM PULL BOX TO CAMERA. 2 STRAND POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.ONE (1) x 4" UNERGROUND CONDUIT W/3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX. 2 STRANDS POWERED FIBER FOR EACH CAMERA. PROVIDE POWERED FIBER MEDIA CONVERTER AT CAMERA.
5. ONE (1) x 4" UNERGROUND CONDUIT WITH 3-CELL DETECTABLE MAXCELL INTERDUCT; CONDUIT STUBBED UP INTO PULL BOX FROM MDF TO PRESSBOX FOR SECURITY CABLING.
6. WALL MOUNTED PULL BOX, MIN. SIZE 24X24X6.
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    - ONE (1) MIDDLE ATLANTIC SR24-28 FLOOR MOUNTED SWING RACK
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PASADENA ISD SOFTBALL COMPLEX

Pasadena, Texas

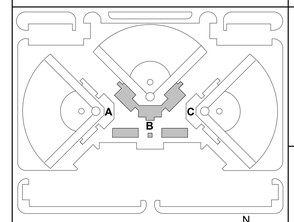
PASADENA INDEPENDENT SCHOOL DISTRICT

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Brian C Porter
BICSI ID # 256657
EXPIRES 12-31-27
RCDD

Revision Schedule

NO.	ISSUE	DATE
1	ADDENDUM 01	11/25/25
2	ADDENDUM 02	12/10/25

Sheet Information	
Date	11-10-25
Job Number	23-012
Drawn	Author
Checked	Checker
Approved	Approver



Title

TECHNOLOGY - PRESSBOX - AREA B

Sheet

T2.02.2

CONSTRUCTION DOCUMENT

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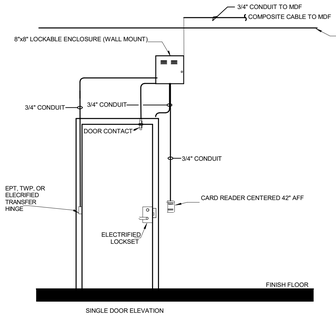
Autodesk Docs://Pasadena ISD - Softball Complex/PISD - Softball Complex - TECH - v23.rvt

12/12/2025 11:53:13 AM

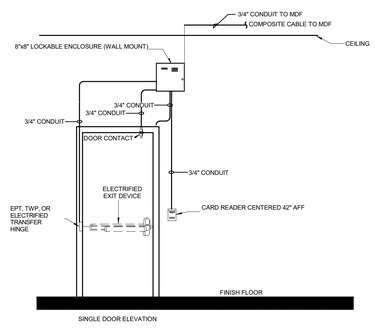
CONSTRUCTION DOCUMENTS

SHEET GENERAL NOTES:

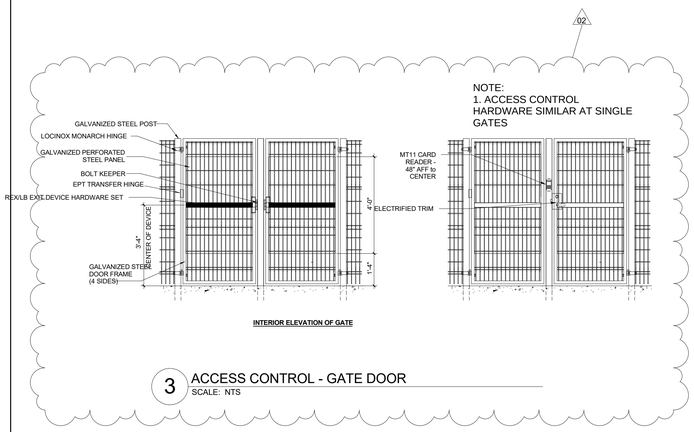
1. CONDUIT ROUGH-IN IS A GUIDE FOR WHAT WILL BE REQUIRED FOR EACH DOOR. AS DOOR COMPONENTS CHANGE, EXACT CONDUIT LOCATION WILL ALSO NEED TO BE ADJUSTED.
2. CARD READERS SHOWN WITH AN ANNOTATION "M" NEXT TO THE CARD READER ARE TO BE MULLION MOUNTED AND NO CARD READER ROUGH-IN IS REQUIRED.
3. PROTECT EXISTING-TO-REMAIN ACCESS CONTROL DEVICES AND CABLE THROUGHOUT RENOVATION WORK. IF CABLE AND/OR DEVICES ARE DAMAGED, SECURITY CONTRACTOR TO REPLACE WITH NEW.



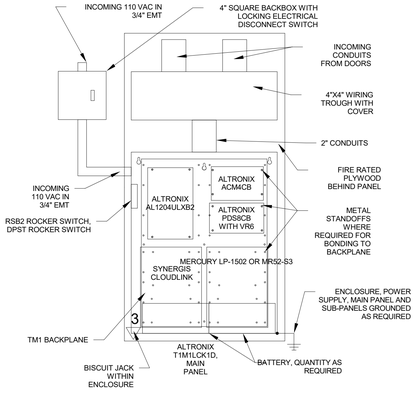
1 ACCESS CONTROL - PLAM / INTERIOR DOOR ELEVATION
SCALE: NTS



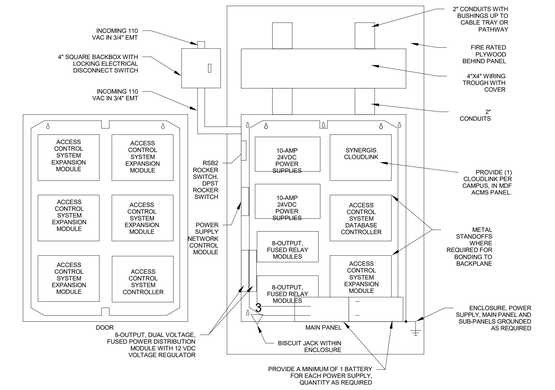
2 ACCESS CONTROL - STEEL/HOLLOW METAL DOOR.
SCALE: NTS



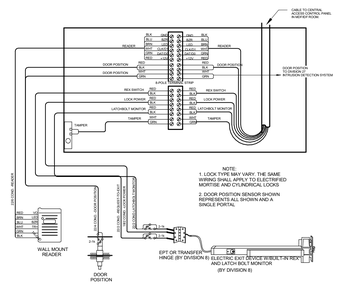
3 ACCESS CONTROL - GATE DOOR
SCALE: NTS



4 TYPICAL ACCESS CONTROL ENCLOSURE FOR 4 DOORS (IN MDF OR IDF)
SCALE: NTS



5 TYPICAL ACCESS CONTROL ENCLOSURE FOR UP TO 16 DOORS (IN MDF OR IDF)
SCALE: NTS



6 ACCESS CONTROL - WIRING DETAIL - EXIT DEVICE W/ BUILT-IN REX
SCALE: NTS

READER #	DOOR #	DRAWING	PANEL LOCATION	DEVICE TYPE	PANEL TYPE	NOTES
1	Ticket Booth B1	T2.02.1	MDF	SCHLAGE MT15-485	LP1502-M1.1	
2	MDF B11	T2.02.1	MDF	SCHLAGE MT15-485	LP1502-M1.2	
3	Consession Stand B2	T2.02.1	MDF	SCHLAGE MT15-485	MR52-S3-M1.1	
4	Pressbox B20	T2.02.2	MDF	SCHLAGE MT15-485	MR52-S3-M1.2	
5	Keypad - Pressbox	T2.02.2	MDF	SCHLAGE MT15-485	MR52-S3-M2.1	ARM/DISARM CR FOR ADMIN BUILDING IDS
6	Keypad - Ticket Booth	T2.02.2	MDF	SCHLAGE MT15-485	MR52-S3-M2.2	ARM/DISARM CR FOR ADMIN BUILDING IDS
7	Entrance Gate G1	T2.02.1	MDF	SCHLAGE MT11-485	MR52-S3-M3.1	
8	Electrical Room B5	T2.02.1	MDF	SCHLAGE MT15-485	MR52-S3-M3.2	
9	Spare		MDF		MR52-S3-M4.1	
10	Spare		MDF		MR52-S3-M4.1	

7 CARD READER SCHEDULE
SCALE: NTS

CONSTRUCTION DOCUMENTS

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2. CARD READERS SHOWN WITH AN ANNOTATION "M" NEXT TO THE CARD READER ARE TO BE MULLION MOUNTED AND NO CARD READER ROUGH-IN IS REQUIRED.
3. WHERE A DOOR BELL IS INDICATED ON PLANS NEAR A CARD READER LOCATION, MOUNT THE DOOR BELL ADJACENT TO A CARD READER.
4. ACCESS CONTROL ENCLOSURES TO UTILIZE ALTRONIX WM- SERIES MAGNETIC CABLE MOUNTS. CABLES TO BE BUNDLED AND ATTACHED TO MAGNETIC MOUNTS WITH PLENUM-RATED VELCRO STRAPS, RASPBERRY SIDE FACING OUTWARD. ZIP TIES WILL NOT BE ACCEPTED.
5. AT ALL F-TYPE DOORS, PROVIDE HORIZONTAL AND/OR VERTICAL CROSS BORES AS REQUIRED FOR INSTALLATION OF ACCESS CONTROL HARDWARE; DIV.8.
6. DATA OUTLETS FOR ACMS PANELS REQUIRE CONNECTION(S) FOR MAIN DATABASE CONTROLLER AND POWER SUPPLY NETWORK MONITORING MODULE (2 DATA TOTAL). IN FACILIITY MDF, PROVIDE ADDITIONAL DATA OUTLET FOR SYNERGIS CLOUDLINK (3 DATA TOTAL)

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Pasadena, Texas

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EXPIRES 12-31-27
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Sheet Information	
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Checked	Checker
Approved	Approver

Title

TECHNOLOGY - SECURITY DETAILS

Sheet

T601

CONSTRUCTION DOCUMENT