



UNIVERSITY OF KENTUCKY Purchasing Division

INVITATION FOR BIDS

CCK-2669-23

ADDENDUM# 2

12/02/2022

ATTENTION: This is not an order. Read all instructions, terms and conditions carefully.

IMPORTANT: BID AND ADDENDUMS MUST BE RECEIVED BY: 12/08/2022 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

1. Please refer to and incorporate within the offer, the attached written questions and answers, and additional information from Congleton-Hacker and the Project Team.
2. If you have any questions, please contact Ken Scott at kenneth.scott@uky.edu or at the number listed below.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

SIGNATURE

Ken Scott

12/02/2022

Ken Scott / (859) 257-9102

Typed or Printed Name

UK Indoor Track Facility

TRADE SCOPE CLARIFICATIONS Congleton – Hacker Company

Issued with Addendum #2
11/30/22

Clarifications for All Trade Packages

Attachment A – JRA Addendum to Design Docs Including

- REVISED Structural Drawings depicting slab recess for track.
- Addition of Alternate #6 Depicting ACM wall panel alternate
- Updated Plumbing and Mechanical Drawings
- Updated Site Electrical, Systems and Electrical Drawings

Attachment B – Bidder Q & A

General Notes for All Trade Packages

- 1) Remove any reference to the General Trades Contractor in the CM Bid Manual as this project does not have a General Trades Contractor. Each trade will be responsible for depositing their debris in the on-site dumpster.

Clarifications for Individual Trade Packages

TC – A – Earthwork

A-1) Refer to GeoTech Report for UK Track Project

All excavation for mass earthwork and foundations is bid as unclassified to plan bottom regardless of the composition of the material.

Most of the slab on grade will require a fill to get to achieve grade. Following the stripping of all top soil – a proof roll shall be conducted by the site contractor and observed by the special inspector. Any area that fails the proof roll shall be undercut and hauled off as part of the allowance. In addition, excavated material from the detention basin could be used as fill for the building pad as long as it is suitable. The geotech report does indicate the presence of unsuitable material in the detention basin. Any unsuitable material in the basin shall be hauled off as part of the allowance. Fills must be made in 6-8" compacted lifts and moisture levels must be managed for proper compaction. Entire fill must be made of the same material. If the first lift consists of lean clay, subsequent lifts cannot consist of screenings and vice versa.

Unsuitable Soil Allowance

- \$200,000

Unit prices will be used for both adds and deducts. If no unsuitable soil is encountered then a credit for the entire allowance will be taken.

REVISED UNIT PRICE LISTING included in Addendum #2

A-2 – Revise Scope Item #22 – Detention basin shall be excavated immediately upon the start of construction. A trench will be cut to the recessed slab elevation to allow for gravity drainage of the building pad.

A-3 - Reference specification section 312000, item 1.02 C. Revise this note to state that the "Owner" will provide and pay for testing and inspections during earthwork operations, rather than the "Contractor".

A-4) - REVISE TC-A scope item #21 – TC-M (plumber) will NOT extend all Storm piping 5ft from the building. TC-A will extend all site storm piping to downspout boots provided by others.

A-5) – Refer to Addendum #2 – Drawings depicting the Recessed slab for track surfaces. TC-A shall leave building pad at bottom of crushed stone elevation at all recess locations.

A-6) – Include the removal of the temporary stone pad at the end of the project. This pad is defined by scope item #11 in TC-A.

A-7) – Include **\$5,000** for the placement of crushed stone to be defined by the CM.

TC – B – Concrete Foundations

B-1) Reference specification section 312000, item 3.04 A. Delete the words "foundations and" from the following sentence: Fat clays shall be excavated so that at least 36" of compacted lean clay or other suitable fill is placed beneath the subgrade of foundations and slab. This requirement does not apply to foundations.

B-2) TC-B shall furnish and install all slab recesses as defined by the Addendum #2 slab drawings. This includes any embedded steel angle at the turn-down. Include any rolled steel angle as required. Slab at the track oval recess will not be required to be Super-flat – below recessed oval can be installed at ¼" in 10ft (Ff-25). Other slabs shall be finished in accordance with the finishing spec.

B-3) TC-B shall include work associated with Items 28 and 29 on Sheet C-101 revised in Add #1. Any other work added in Add #1 Sheet C-101 shall be assigned to TC-B.

B-4) TC-B shall provide all anchor rods for the PEMB. Anchor rods for the conventional steel structure will be provided by others and installed by TC-B.

B-5) TC-B shall furnish and install all foundation insulation as defined by Spec Section 072100.

B-6) Following the completion of the undercut and backfill of the building pad – TC-A will complete a proof roll and hand off the building pad to the TC-B contractor. TC-B will utilize the gravity drain to the detention basin to assist with keeping the building pad dewatered. Any filtering or pumping required as part of the dewatering process will be the responsibility of TC-B.

TC – D – Structural Steel

D-1) TC-D shall provide all of the anchor rods for the columns in the conventional structure – Rods will be installed by others.

TC – F - Roofing

F-1) – TC-F – Shall provide a price for the worked described by Alternate #6. The base bid shall include the installation of Metal Panel Type 2 (material provide by others) and the labor and material associated with the Coping over Metal Panel Type 2 at the conventional construction. **For Alternate #6** – Include a credit for the work associated with Metal Panel Type #2 and the coping. Provide an add for the labor and material associated with the ACM panel and Z-girt shown in the Addendum #2 details. Foamed in place insulation by TC-I.

F-2) – TC-F – Shall provide and install custom color metal at all downspouts. Downspouts shall match break metal at cantilevered “eyebrow”.

F-3) – TC-F – Shall provide and install ALL downspout boots for both the PEMB and the conventional construction (approx. 30 locations)

2.03 FACTORY FABRICATED DOWNSPOUT BOOTS

- A. Downspout Boots: contoured interior flow design with no boxed corners, weld seams or choke points; include integral lug slots and stainless steel fasteners.
 - 1. Configuration: (select: Offset/O-Series, Angular/A-Series or Ninety/N-Series)
 - 2. Material: Cast iron; ASTM A48/A48.
 - 3. Finish: Manufacturer's standard (select powder coat or primer coat) finish.
 - 4. Color: To be selected by Architect from manufacturer's standard range.
 - 5. Accessories:
 - a. Manufacturer's standard stainless steel fasteners for mounting onto building wall
 - b. Flexible rubber adapter for connection to drainage pipe
 - 6. Products:
 - a. Downspoutboots.com, a division of J. R. Hoe & Sons; 101 Ironwood Rd., Middlesboro, KY 40965: www.downspoutboots.com

TC – G – Doors and Hardware

G-1) Revise Item #1 – TC-G shall provide all hollow metal frames to be installed by others.

G-2) Revise Item #1 – TC-G shall NOT provide glazing within hollow metal frames. This shall be provided by TC-H.

TC – M – Plumbing & Mechanical

M-1) TC-M shall revise the cost of the Sanitary Sewer Tap Fee allowance – The revised allowance amount to be included in the base bid shall be **\$57,000**.

M-2) TC-M shall also include an allowance for the Gas Tap Fee – Include an allowance of **\$20,000** to cover this Gas Tap.

M-3) TC-M shall not provide or install the downspout boots – TC-A shall extend all site storm to the downspout boot and make final connection.

TC – O – Electrical

O-1) – TC-O shall provide and install the Comm Boxes , including the concrete encasement as shown on the TF series drawings. Final dimensions and layout to be coordinated with Track Timing and AV Equipment.

UNIT PRICES

NOTE: Unit Prices shall include the furnishing of all labor, materials, supplies and services and shall include all items of cost, overhead and profit for the Contractor and any subcontractor involved, and shall be used uniformly without modifications for either additions or deductions. The Unit Prices as established shall be used to determine the equitable adjustment of the Contract Price in connection with changes, deletions or extra work performed under the Contract and the "Rules of Measurement" set forth in the General Conditions shall govern.

All Bidders will be required to complete and submit the following information by twelve (12) noon of the first working day following the bid opening. The information requested in this submittal is required to assist the University in determining contractor responsibility to complete the project being bid.

The apparent low bidder is requested to attend a post bid meeting which will be scheduled at a later date.

Item	Unit	Cost Per Unit
UNDERCUT UNSUITABLE MATERIAL	CY	\$
HAUL OFF UNSUITABLE MATERIAL	CY	\$
IMPORT, PLACE & COMPACT LEAN CLAY	CY	\$
IMPORT, PLACE & COMPACT SCREENINGS	CY	\$
IMPORT, PLACE & COMPACT DGA	CY	\$

FOR THE PROJECT TITLED:

CCK-2669-23 Indoor Track
JRA Project No. 202258
UK Project 2584.0

University of Kentucky
Lexington, Kentucky

To: Prospective Bidders

From: JRA Architects
3225 Summit Square Place, Suite 200
Lexington, KY 40509

Project Contact: D. Robert Deal, AIA, LEED AP

The Addendum will form a part of the Contract Documents and modifies the original Bidding Documents dated October 2022.

Bidders must acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so may subject the bidder to disqualification.

Bidding Documents, including the Drawings and Specifications, are amended as described herein.

STRUCTURAL ITEMS:

Item No. 2.01

Refer to attached revised Sheet S-203. Note added regarding the extents of "Super Flat" floor finish requirements for the slab on grade.

Item No. 2.02

Refer to attached revised Sheets S-204 and S-205.

- Approximate extents, location, and depth of recess for track equipment added. Typical detail at recess cut on plan. Detail added on sheet S-302.
- Exterior mechanical unit indicated and tag note addressing slab on grade & housekeeping pad requirements added.
- Tag notes #5 and #6 added.

Item No. 2.02

Refer to attached revised Sheets S-204 and S-205:

- Approximate extents, location, and depth of recess for track equipment added. Typical detail at recess cut on plan. Detail added on sheet S-302.
- Exterior mechanical unit indicated and tag note addressing slab on grade & housekeeping pad requirements added.
- Tag notes #5 and #6 added.

Item No. 2.02

Refer to attached revised Sheet S-302:

- Added typical detail at recessed track slab, including added edge angle.

- Added typical detail for exterior slab on grade for mechanical equipment.

ARCHITECTURAL ITEMS:**Item No. 2.03**

Refer to attached revised sheet G-001 Cover Sheet. Sheet A-534 added to drawing index.

Item No. 2.04

Refer to attached revised sheet A-412 Interior Elevations and Details. Coordinate wire mesh partition with metal building brace.

Item No. 2.05

Refer to attached revised sheet A-501 Exterior Assemblies. Added tag for membrane air barrier to wall type E3. Added alternate detail for wall type E3 for Alternate No. 6.

Item No. 2.06

Refer to revised sheet A-501 Exterior Assemblies, new Sheet A-534 Enlarged Section Details Base Bid, revised specification section 01 2300 "Alternates", and new specification section 07 4243 "Metal Composite Material Wall Panels", all attached to this Addendum.

As indicated in the revised Alternates specification and revised Drawings indicated above, add Alternate No. 6 as follows:

Alternate No. 6: Metal Composite Material Wall Panels

Base Bid: Provide metal wall panel type 2 from MBM for exterior wall type E3

Alternate: Provide Metal Composite Material Wall Panels per 07 4243 for exterior wall type E3

PLUMBING ITEMS:**Item No. 2.07**

Refer to revised sheet P-201, Overall Plumbing Plan. Added piping from floor drain to storm. Added note P23.

Item No. 2.08

Refer to revised sheet P-202, Overall Plumbing Plan. Revised vent piping to FD-2 in Training 111. Revised vent piping to FD-1 in Jan 109. Revised vent piping to floor drains in Women 107 and Men 106. Revised piping to floor drains in Mechanical 105.

Item No. 2.09

Refer to revised sheet P-301, Plumbing Riser. Added P-Traps to all floor drains. Revised vent piping per changes to sheet P-202.

MECHANICAL ITEMS:**Item No. 2.10**

Refer to revised sheet P-301. Added equipment to plan view 3.

ELECTRICAL ITEMS:**Item No. 2.11**

Refer to revised sheet E-401, E402, First Floor Systems Plan – area A,B. Changed WAP locations.

Item No. 2.12

Refer to revised sheet E-401, E-402, First Floor Systems Plan – Area A,B. Added DAS locations.

Item No. 2.13

Refer to revised sheet EU-101– Electrical Site Utility Plan. Changed Light Pole locations. Added Weatherproof GFI Receptacles to base of noted light poles.

Item No. 2.14

Refer to revised sheet EU-101, Electrical Site Utility Plan. Added Weatherproof GFI receptacle for ticketing purposes. Added data drop for ticketing purposes.

Item No. 2.15

Refer to revised sheet E-602, Panelboard Schedule. Updated Panel Schedule to reflect newly added receptacles.

END OF ADDENDUM NO. 2.00

SECTION 01 2300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other Work of the Contract.
- C. Schedule: A Part 3 "Schedule of Alternates" Article is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Band Storage
 - 1. Base Bid: Building without Band Storage space.
 - 2. Alternate: Provide Band Storage to building, approximately 2,248 S.F. metal building, as indicated on Drawings.

- B. Alternate No. 2: Brick Wainscot on PEMB
 - 1. Base Bid: PEMB on Sports Center Drive side to have no brick wainscot.
 - 2. Alternate: Provide brick wainscot along west and north sides of PEMB building area, as indicated on building elevations.

- C. Alternate No. 3: Promenade Sidewalk
 - 1. Base Bid: Promenade sidewalk area consists of placement of topsoil and sod
 - 2. Alternate: Provide concrete sidewalk and eight trees, with an equivalent reduction in the amount of lawn, as indicated on Drawings.

- D. Alternate No. 4: UK Logo Signs
 - 1. Base Bid: No logo signs.
 - 2. Alternate: Provide two UK logo signs on building as indicated on building elevations.

- E. Alternate No. 5: Air Conditioning for Track Practice Area
 - 1. Base Bid: Heating only for PEMB building portion (housing Track practice space).
 - 2. Alternate: Add air conditioning for track practice area as indicated on Mechanical Drawings.

- F. Alternate No. 6: Metal Composite Material Wall Panels
 - 1. Base Bid: Provide metal wall panel type 2 from MBM for exterior wall type E3
 - 2. Alternate: Provide Metal Composite Material Wall Panels per 07 4243 for exterior wall type E3

END OF SECTION 01 2300

SECTION 07 4243 - METAL COMPOSITE MATERIAL WALL PANELS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Metal composite material (MCM) panels and systems.

B. Related Requirements:

1. Section 07 2713 "Modified Bituminous Sheet Air Barriers" for air barriers as part of MCM rainscreen assembly and associated system warranty.

1.2 DEFINITIONS

- A. DBVC: Drained and back-ventilated cavity rainscreen system designed to drain and dry water entering cavity through drainage channels, weeps, and air ventilation.

- B. MCM: Metal composite material; cladding material formed by joining two thin metal skins to polyethylene or fire-retardant core and bonded under precise temperature, pressure, and tension.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Meet with Owner, Architect, Owner's insurer if applicable, MCM system Installer, MCM system manufacturer's representative, and installers whose work interfaces with or affects MCM panels, including installers of doors, windows, and louvers.
2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
3. Review methods and procedures related to MCM system installation, including manufacturer's written instructions.
4. Examine support conditions for compliance with requirements, including alignment between and attachment to structural members.
5. Review flashings, special siding details, wall penetrations, openings, and condition of other construction that affect MCM system.
6. Review governing regulations and requirements for insurance, certificates, and tests and inspections if applicable.
7. Review temporary protection requirements for system assembly during and after installation.
8. Review procedures for repair of panels damaged after installation.
9. Document proceedings, including corrective measures and actions required, and furnish copy of record to each participant.

1.4 ACTION SUBMITTALS

A. Product Data:

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel, system, and accessory.

B. Shop Drawings:

1. Include fabrication and installation layouts of MCM system; details of edge conditions, joints, panel profiles, corners, anchorages, attachment assembly, trim, flashings, closures, accessories, and special details.
2. Accessories: Include details of flashing, trim, and anchorage, at a scale of not less than 1-1/2 inches per 12 inches.
3. Provide signed and sealed drawings, by a qualified design professional in Project jurisdiction, of MCM system showing compliance with performance requirements and design criteria identified for this Project.

C. Samples for Initial Selection: For each type of MCM panel indicated, with factory-applied color finishes.

1. Size: Manufacturers' standard size.
2. Include Samples of trim and accessories involving color selection.

D. Samples for Verification: For each type of MCM panel and MCM system required, with factory-applied color finishes.

1. MCM Panel: Two samples, Manufacturers' standard size.
2. MCM System: 12 inches long by actual panel width, fabricated into panel systems indicated. Include fasteners, closures, and other MCM panel accessories. Panel sample need not be provided in the specified color.

E. Delegated Design Submittals: For MCM system, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.5 INFORMATIONAL SUBMITTALS

A. Test and Evaluation Reports:

1. Product Test Reports: For each MCM panel and MCM system, for tests performed by qualified testing agency or manufacturer and witnessed by a qualified testing agency.
 - a. MCM Panel Manufacturer's Material Test Reports: Certified test reports showing compliance with specific performance or third-party listing documenting compliance in accordance with the IBC.
 - b. Fabricator's MCM System Test Reports: Certified test reports showing system compliance with specific performance or third-party listing documenting compliance in accordance with the IBC.
- 1) DBVC System: Tested to AAMA 509.

B. Qualification Statements: For manufacturer, fabricator, and installer.

C. Delegated design engineer qualifications.

- D. Sample warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For MCM panels.
- B. Warranty Documentation:
 - 1. Manufacturers' special warranties.
 - 2. Installer's special warranties.

1.7 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Manufacturer: Minimum 5 years' experience.
 - 2. Fabricator: Certified MCM fabricator by the Metal Construction Association.
 - 3. Installer: Fabricator of MCM system or entity that employs installers and supervisors who are trained and approved by MCM system manufacturer.
 - 4. Delegated Design Engineer: A professional engineer who is legally qualified to practice in Kentucky where Project is located and who is experienced in providing engineering services of the type indicated.
 - 5. Testing Agency: An agency acceptable to authorities having jurisdiction.

1.8 MOCKUPS

- A. Build mockups to set quality standards for fabrication and installation.
 - 1. Build mockup as indicated on Drawings, including corner, supports, attachments, and accessories.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations by Change Order.
 - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, MCM panels, and other manufactured items so as not to be damaged or deformed. Package MCM panels for protection during transportation and handling.
- B. Unload, store, and erect MCM panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack MCM panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store MCM panels to ensure dryness, with positive slope for drainage of water. Do not store MCM panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on MCM panels during installation.

1.10 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of MCM panels to be performed in accordance with manufacturers' written instructions and warranty requirements.

1.11 COORDINATION

- A. Coordinate MCM panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.12 WARRANTY

- A. Panel Integrity Warranty: Manufacturer agrees to repair or replace components of MCM panels that fail in materials or workmanship within specified warranty period.

- 1. Failures include, but are not limited to, the following:

- a. Structural failures including rupturing, cracking, or puncturing.
- b. Deterioration of metals and other materials beyond normal weathering.

- 2. Warranty Period: Five years from date of Substantial Completion.

- B. Panel Finish Warranty: Manufacturer agrees to repair finish or replace MCM panels that show evidence of deterioration of factory-applied finishes within specified warranty period.

- 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:

- a. Color fading more than 5 Hunter units when tested in accordance with ASTM D2244.
- b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
- c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.

- 2. Finish Warranty Period: Minimum 20 years from date of Substantial Completion.

- C. MCM System Weathertight Warranty: System manufacturer's or fabricator's standard form in which manufacturer agrees to repair or replace components of MCM systems that fail in materials, weathertightness, or workmanship within specified warranty period.

- 1. Warranty Period: Minimum 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 01 4000 "Quality Requirements," to design MCM system.
- B. Structural Performance: MCM systems to withstand the effects of the following loads, based on testing in accordance with ASTM E330/E330M:

1. Wind Loads: As indicated on Drawings.
 2. Other Design Loads: As indicated on Drawings.
 3. Deflection Limits: For wind loads, no greater than 1/240 of the span.
- C. Air Infiltration: Air leakage of not more than 0.06 cfm/sq. ft. when tested in accordance with ASTM E283/E283M at the following test-pressure difference:
1. Test-Pressure Difference: 6.24 lbf/sq. ft..
- D. Water Penetration under Static Pressure: No water penetration when tested in accordance with ASTM E331 at the following test-pressure difference:
1. Test-Pressure Difference: 6.24 lbf/sq. ft..
- E. Water Penetration under Dynamic Pressure: No water penetration when tested in accordance with AAMA 501.1 at the following test pressure:
1. Test Pressure: 6.24 psf.
- F. Provide DBVC system with V-axis classification number greater than or equal to W-axis classification number in accordance with AAMA 509.
- G. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.
- H. Fire-Resistance Ratings: Comply with ASTM E119 or UL 263; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
1. Indicate design designations from UL's "Fire Resistance Directory" or from listings of another qualified testing agency.
- I. Fire Propagation Characteristics: MCM system passes NFPA 285 testing.

2.2 METAL COMPOSITE MATERIAL (MCM) WALL PANELS

- A. Metal Composite Material (MCM) Wall Panels: Provide MCM panels fabricated from two metal facings bonded to a solid, extruded thermoplastic core.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ALPOLIC Materials; Mitsubishi Chemical Composites.
 - b. ALUCOBOND; 3A Composites USA, Inc.
 - c. Alucoil North America.
 - d. Arconic.
 - e. Imetco.
 - f. Elemex.
 - g. Alfrex USA
 2. Core: FR.
 3. Panel Thickness: 0.157 inch (4mm).

4. Bond Strength: 22.5 in-lb/in. when tested for bond integrity in accordance with ASTM D1781.
5. Fire Performance: Flame-spread index less than 25 and smoke-developed index less than 450, in accordance with ASTM E84 or UL 723.

B. MCM Panel Materials:

1. Aluminum-Faced Panels: ASTM B209 alloy as standard with manufacturer, temper as required to suit finish and forming operations with 0.020-inch-thick, aluminum sheet facings.
 - a. Exterior Finish: Two-coat fluoropolymer.
 - 1) Color: Custom color as required to match pre-engineered metal wall panel color, Butler "Cool Gray Stone", color number BN5A221B.

2.3 METAL COMPOSITE MATERIAL (MCM) SYSTEM

- A. DBVC MCM System: Provide factory-formed and -assembled, MCM panels formed into profile for DBVC system installation, drained at horizontal joints and at base of wall. Include attachment assembly components, panel stiffeners, and accessories required for weathertight system.
- B. System Panel Depth: As indicated on the Drawings.
- C. Attachment Assembly Components: Manufacturer's standard tracks and channels formed from extruded aluminum, and as shown on the Drawings.
- D. Labeling: Comply with labeling requirement of applicable building code.

2.4 ACCESSORIES

- A. Metal Subframing and Furring: ASTM C955 cold-formed, metallic-coated steel sheet ASTM A653/A653M, G90 hot-dip galvanized coating designation or ASTM A792/A792M, Class AZ50 aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of MCM system.
- B. System Accessories: Provide components required for a complete, weathertight wall system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of MCM panels unless otherwise indicated.
- C. Flashing and Trim: Provide flashing and trim formed from same material as MCM panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, sills, jambs, corners, endwalls, framed openings, rakes, fasciae, parapet caps, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent MCM panels.
- D. Panel Fasteners: Self-tapping screws designed to withstand design loads. Use gasketed or approved coated fasteners between dissimilar metals.
 1. Aluminum Panels: Use aluminum or stainless steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.

2. Provide exposed fasteners with heads matching color of MCM panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.
- E. Panel Sealants: ASTM C920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in MCM panels and remain weathertight; and as recommended in writing by MCM system manufacturer.

2.5 FABRICATION

- A. Fabricate and finish MCM panels at the factory, by panel manufacturer's standard procedures and processes, as necessary to fulfill indicated panel performance requirements demonstrated by laboratory testing.
- B. Shop-fabricate MCM systems and accessories by fabricator's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with requirements of MCM panel manufacturer, of indicated system profiles, and with dimensional and structural requirements.
 1. Fabricate panels to dimensions indicated on Drawings based on an assumed design temperature of 70 deg F. Allow for ambient temperature range at time of fabrication.
 2. Formed MCM panel lines, breaks, and angles to be sharp and straight, with surfaces free from warp or buckle.
 3. Fabricate panels with sharply cut edges and no displacement of face sheet or protrusion of core.
 4. Fabricated Panel Tolerances: Shop-fabricate panels to sizes and joint configurations indicated on Drawings.
 - a. Width: Plus or minus 0.079 inch at 70 deg F.
 - b. Length: Plus or minus 0.079 inch at 70 deg F.
 - c. Squareness: Plus or minus 0.079 inch at 70 deg F.
 5. Attach routed-and-turned panel flanges to perimeter extrusions with manufacturer's standard fasteners.
- C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
 1. Form exposed sheet metal accessories that are without excessive oil-canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 3. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams.
 4. Sealed Joints: Form non-expansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
 5. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 6. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal manufacturer.

- a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal manufacturer for application, but not less than thickness of metal being secured.

2.6 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Coil-Coated Aluminum Finish:
 1. PVDF Fluoropolymer: AAMA 2605, two-coat, fluoropolymer finish containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, MCM system supports, and other conditions affecting performance of the Work.
 1. Examine wall framing to verify that girts, angles, channels, studs, and other structural panel support members and anchorage have been installed within alignment tolerances required by MCM system manufacturer.
 2. Examine wall sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by MCM system manufacturer.
 - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and assemblies penetrating MCM system to verify actual locations of penetrations relative to seam locations of MCM panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF MCM SYSTEM

- A. General: Install MCM system in accordance with system manufacturer's written instructions in orientation, sizes, and locations indicated on Drawings. Install panels perpendicular to supports unless otherwise indicated. Anchor MCM system securely in place, with provisions for thermal and structural movement.
 1. Shim or otherwise plumb substrates receiving MCM system.

2. Flash and seal MCM system at perimeter of all openings. Fasten with self-tapping screws.
 3. Install screw fasteners in predrilled holes.
 4. Locate and space fastenings in uniform vertical and horizontal alignment.
 5. Install flashing and trim as MCM system work proceeds.
 6. Align bottoms of MCM panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 7. Provide weathertight escutcheons for all items penetrating system.
 8. Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by MCM system manufacturer.
 9. Attach MCM panels to supports at locations, spacings, and with fasteners recommended by manufacturer to meet listed performance requirements.
- B. Attachment Assembly, General: Install attachment assembly required to support MCM panels and to provide a complete weathertight wall system, including tracks, drainage channels, anchor channels, perimeter extrusions, and panel clips.
1. Install subframing, furring, and other panel support members and anchorages in accordance with ASTM C955.
 2. Install support system at locations, at spacings, and with fasteners recommended by MCM system manufacturer to meet listed performance requirements.
- C. DBVC MCM System: Install vertical support track and channel extrusions and horizontal support track and channel extrusions at locations, at spacings, and with fasteners recommended by system manufacturer.
1. Attach MCM panels by interlocking panel perimeter extrusion into in a sequential series.
 2. Insert matching MCM spline into channels within support extrusions at joint reveal locations.
- D. Install panels to allow individual panels to "free float" and be installed and removed without disturbing adjacent panels.
- E. Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install accessory components required for a complete MCM system assembly including trim, copings, corners, seam covers, flashings,, fillers, closure strips, and similar items. Provide types indicated by MCM system manufacturer.
- F. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that are permanently watertight.
1. Install exposed flashing and trim that is without buckling and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems. Install trim to fit substrates and to result in waterproof performance.
 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 ft. with no joints allowed within 24 inches of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).

3.3 INSTALLATION TOLERANCES

- A. Shim and align MCM panels within installed tolerance of 1/4 inch in 20 ft., non-accumulative, on level, plumb, and location lines as indicated, and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

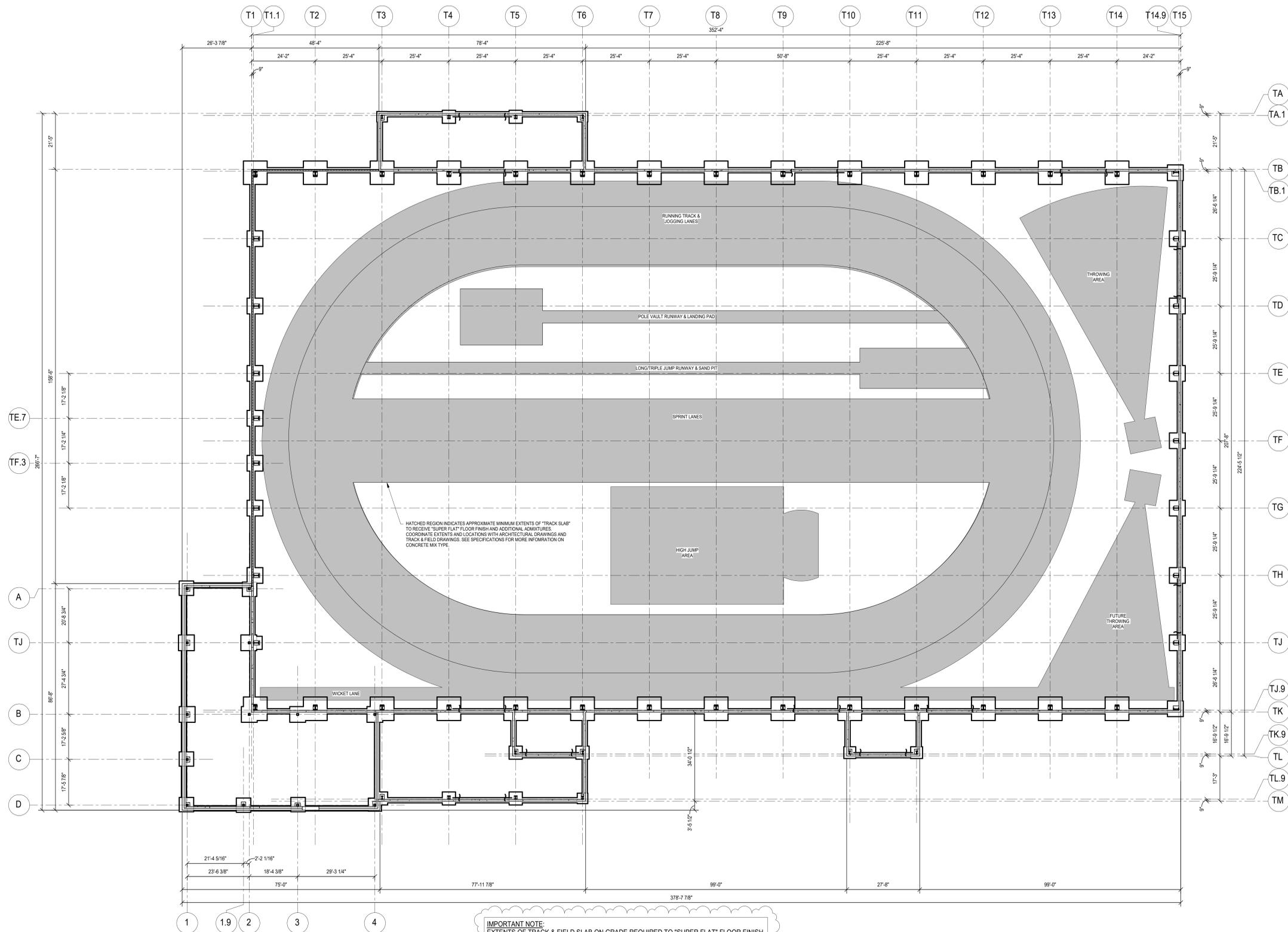
3.4 CLEANING

- A. Remove temporary protective coverings and strippable films as MCM panels are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of installation, clean finished surfaces as recommended by MCM panel manufacturer. Maintain in a clean condition during construction.
- B. After installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.

3.5 PROTECTION

- A. Replace MCM panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

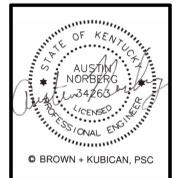
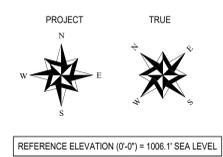
END OF SECTION 07 4243



IMPORTANT NOTE:
 EXTENTS OF TRACK & FIELD SLAB ON GRADE REQUIRED TO "SUPER FLAT" FLOOR FINISH REQUIREMENTS TO BE COORDINATED WITH TRACK & FIELD SHOP DRAWINGS, WHEN RECEIVED, AND MINIMUM EXTENTS MAY BE REVISED AT A FUTURE DATE.

LOCATION, EXTENTS, AND DEPTH OF RECESSES FOR TRACK & FIELD EQUIPMENT TO BE COORDINATED WITH ARCH DRAWINGS AND TRACK & FIELD SHOP DRAWINGS, WHEN RECEIVED, AND MAY BE REVISED AT A FUTURE DATE.

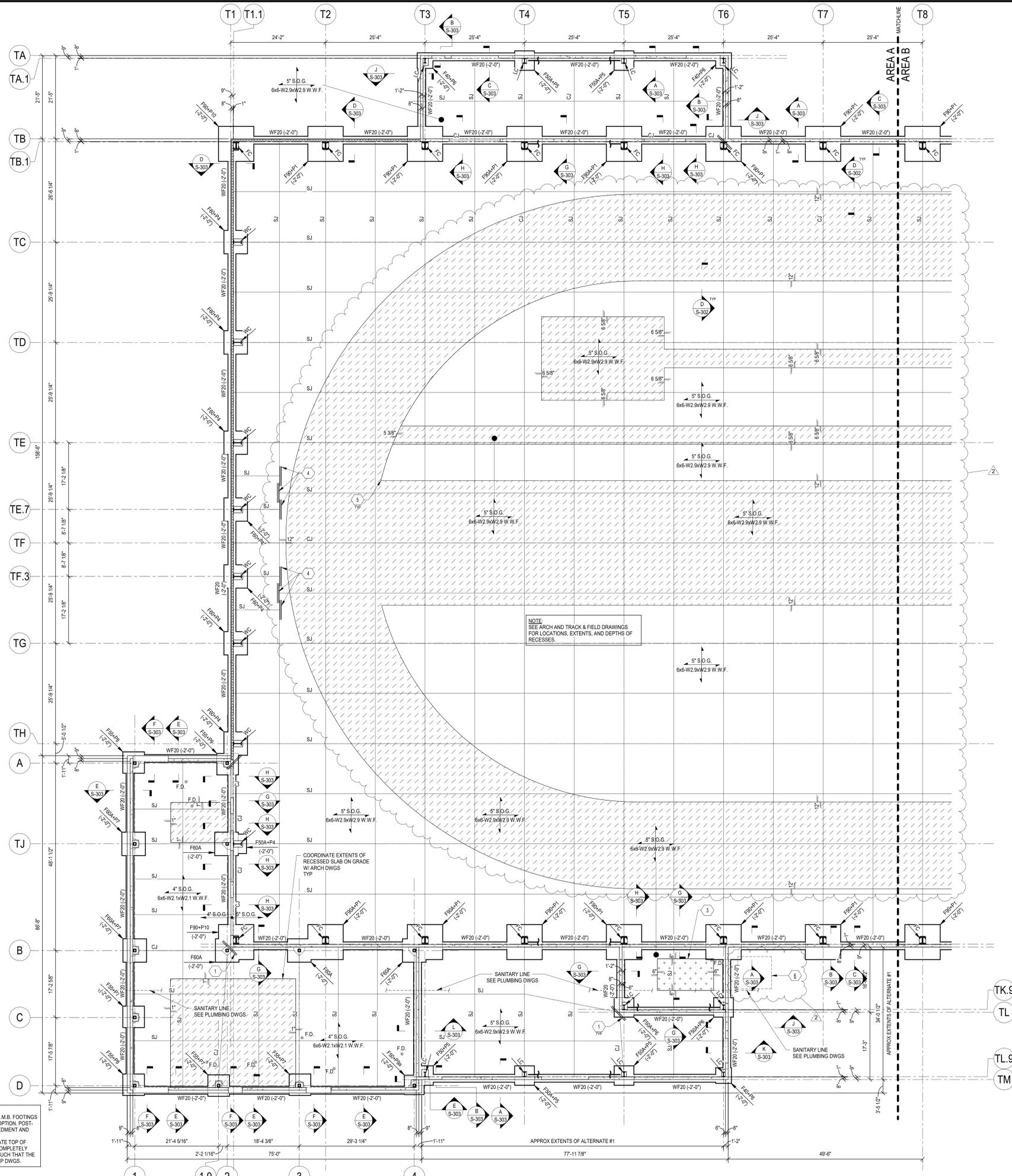
OVERALL FOUNDATION PLAN
 1/16" = 1'-0"



CONSTRUCTION DOCUMENTS
UK INDOOR TRACK FACILITY
 UNIVERSITY OF KENTUCKY
 700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

REVISIONS		
No.	Description	Date
2	ADDENDUM #2	12/1/2022

JRA ARCHITECTS HAS RETAINED AN ELECTRONIC VERSION OF THESE DRAWINGS. THE CLIENT AGREES NOT TO REUSE THESE DRAWINGS - IN ELECTRONIC OR ANY OTHER FORMAT - IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN FOR THE PROJECT. THE CLIENT AGREES NOT TO TRANSMIT THESE ELECTRONIC FILES TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF THE ARCHITECT. THE CLIENT FURTHER AGREES TO WAIVE ALL CLAIMS AGAINST THE ARCHITECT RESULTING IN ANY WAY FROM ANY UNAUTHORIZED CHANGES TO OR REUSE OF THE ELECTRONIC FILES FOR ANY OTHER PROJECT BY ANYONE OTHER THAN THE ARCHITECT.



FOUNDATION PLAN NOTES

- ELEVATIONS SHOWN ARE TO THE TOP OF THE FOUNDATION AND ARE REFERENCED FROM FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0").
- SEE DWG S-102 FOR GENERAL NOTES.
- SEE DWG S-103 FOR SPECIAL INSPECTION NOTES.
- SEE DWGS S-301 & S-302 FOR TYPICAL FOUNDATION DETAILS.
- SEE DWG S-501 FOR COLUMN SCHEDULE.
- SLAB ON GRADE SHALL BE PLACED ON VAPOR RETARDER (SEE SPECIFICATIONS) OVER 6" MINIMUM DENSE GRADED AGGREGATE.
- REINFORCE SLABS ON GRADE AT RE-ENTRANT CORNERS PER DETAIL HSS-301. REINFORCING BARS MAY NOT BE SHOWN GRAPHICALLY ON PLAN IN ALL LOCATIONS.
- REMOVE HIGH PLASTICITY CLAYS WHICH ARE PRESENT WITHIN 3-FEET OF FINAL SUBGRADE ELEVATION FOR FOOTING BEARING ELEVATION AND REPLACE WITH ENGINEERED FILL. SEE GENERAL NOTES AND THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- SEE SHEETS S-101, S-201, AND S-302 AND P.E.M.B. SUPPLIER DRAWINGS FOR P.E.M.B. INFORMATION.

FOUNDATION LEGEND

- F40 = SPREAD FOOTING. SEE SCHEDULE.
- WF20 = WALL FOOTING. SEE SCHEDULE.
- SF = STEP FOOTING. SEE DETAIL C/S-301.
- P1 = COLUMN PIER. SEE DETAIL C/S-302.
- (-0'-0") = TOP OF FOOTING ELEVATION.
- Z' = EXTENT OF SLAB DEPRESSION. DEPTH MEASURED FROM ADJACENT TOP OF CONCRETE.
- SJ = SAWN CONTRACTION JOINT. SEE DETAIL GS-301.
- CJ = CONSTRUCTION JOINT. SEE DETAIL GS-301.
- DIAGONAL BRACING. SEE P.E.M.B. DRAWINGS FOR MORE INFORMATION.
- C.M.U. WALL REINFORCED AS NOTED IN SECTION. REINFORCING CENTERED IN CORE.
- CONCRETE WALL.
- FC = P.E.M.B. FRAME COLUMN. SEE P.E.M.B. DWGS.
- WC = P.E.M.B. WIND COLUMN. SEE P.E.M.B. DWGS.
- LC = P.E.M.B. LEAN-TO FRAME COLUMN. SEE P.E.M.B. DWGS.
- PB = PIPE BOLLARD. SEE DETAIL N/S-301. SEE ARCH AND SITE DWGS FOR NUMBER AND LOCATION.
- TP = THROWING AREA POST. SEE DETAIL N/S-301.
- RECESSED FLOOR.
- RAISED FLOOR/EQUIPMENT PAD. SEE DETAIL M/S-301.
- FLOOR DRAINS. SEE ARCH & PLUMBING DRAWINGS FOR SIZE, NUMBER, AND LOCATIONS.

TAG NOTES

- RE-ENTRANT CORNER SLAB ON GRADE REINFORCING. SEE DET HSS-301. NOT ALL LOCATIONS MAY BE SHOWN ON PLAN.
- RECESS AT THROWING RING. COORDINATE DEPTH, EXTENTS, AND LOCATION OF RECESS WITH ARCH DWGS AND TRACK EQUIPMENT SUPPLIER DWGS. SEE DET M/S-303 FOR MORE INFORMATION.
- MECHANICAL EQUIPMENT PAD FOR ARU. SEE COORDINATE W/ MEP DWGS AND SUPPLIER FOR EXTENTS AND LOCATION.
- REINFORCE DEAD-END SLAB JOINT LOCATIONS W/ (2) #4S @ 5'-0" IN TOP 1/3 OF SLAB.
- MITER EMBEDDED ANGLES @ CORNER FOR TIGHT FIT.
- EXTERIOR MECHANICAL UNIT MAY OCCUR. SEE MEP DWGS. SEE DET E/S-302 FOR SLAB ON GRADE. SEE DET M/S-301 FOR HOUSEKEEPING PAD.

- IMPORTANT P.E.M.B. NOTES:**
- UNLESS SPECIFICALLY NOTED OTHERWISE, ALL STRUCTURAL STEEL ELEMENTS REQUIRED FOR A COMPLETE BUILDING STRUCTURE SHALL BE DESIGNED, SUPPLIED, AND INSTALLED BY THE P.E.M.B. CONTRACTOR.
 - COLUMN FOOTINGS SHALL BE CENTERED ON STEEL COLUMN CENTERLINES. STEEL COLUMN CENTERLINES SHALL BE DETERMINED BY P.E.M.B. CONTRACTOR UNLESS OTHERWISE NOTED. FOUNDATION CONTRACTOR SHALL COORDINATE.
 - CONCRETE CONTRACTOR SHALL SUPPLY ANCHOR BOLTS AND HARDWARE FOR P.E.M.B. ATTACHMENT TO THE FOUNDATION CONCRETE FOUNDATION. INSTALLER SHALL INSTALL ANCHOR BOLT FOR P.E.M.B. ATTACHMENT TO THE FOUNDATION. ANCHOR BOLT DIAMETER AND LAYOUT SHALL BE DESIGNED BY THE P.E.M.B. MANUFACTURER AND COORDINATED BY THE GENERAL CONTRACTOR. SEE DET LIS-301 FOR TYPICAL ANCHOR BOLT DETAIL.
 - SEE ARCH DWGS FOR P.E.M.B. ELEMENT ELEVATIONS AND LOCATIONS THAT ARE NOT SHOWN ON STRUCTURAL DWGS.
 - SEE ARCH DWGS AND SPECIFICATIONS FOR INFORMATION ABOUT ROOF DECK AND METAL WALL PANELS.
 - PLUMBING AND WIND GIRT SPACING AND QUANTITY ARE NOT SHOWN ON STRUCTURAL DWG AND SHALL BE PER P.E.M.B. DESIGN.
 - ROOFING SHALL BE DESIGNED AND SUPPLIED BY P.E.M.B. MANUFACTURER. ROOFING SHALL BE INSTALLED BY P.E.M.B. INSTALLER.
 - ROOF DIAPHRAGM BRACING IS REQUIRED AS DESIGNED BY P.E.M.B. SUPPLIER.

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING CONT BOTTOM	TRANSVERSE REINFORCING BOTTOM
WF20	2'-0"	1'-0"	(2) #5	#4 @ 96" O.C.

SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING E.W. BOTTOM
F40	4'-0"	4'-0"	1'-0"	(8) #4
F45	4'-8"	4'-8"	1'-6"	(9) #4
F50	5'-0"	5'-0"	1'-0"	(8) #4
F55A	5'-0"	5'-0"	1'-6"	(8) #4 TOP & BOTT
F55	5'-0"	5'-0"	1'-6"	(8) #5
F60	6'-0"	6'-0"	1'-0"	(7) #5
F65A	6'-0"	6'-0"	2'-0"	(12) #5
F65	6'-0"	6'-0"	2'-0"	(12) #5
F70	9'-0"	9'-0"	2'-0"	(16) #5
F75A	9'-0"	9'-0"	2'-0"	(18) #5 TOP & BOTT

- NOTES**
- WHERE HSS STEEL COLUMNS SHARE SPREAD FOOTINGS WITH P.E.M.B. FOOTINGS ANCHOR RODS MAY BE POST-INSTALLED AT THE CONTRACTOR'S OPTION. POST-INSTALLED ANCHORS SHALL BE ADHESIVE ANCHORS W/ 1'-0" EMBEDMENT AND MATCHING THE ORIGINAL ANCHOR ROD DIAMETER.
 - WHERE PLUMBING LINES PASS UNDER WALL FOOTINGS COORDINATE TOP OF FOOTING ELEVATION SO THAT PLUMBING LINES DO NOT PASS COMPLETELY UNDER WALL FOOTING. STEP FOOTING DOWN IN 8" INCREMENTS SUCH THAT THE PLUMBING LINE PASSES THROUGH THE STEM. COORDINATE W/ MEP DWGS.

FOUNDATION PLAN AREA A

PROJECT: 202258
 DATE: 10/25/2022
 REVISIONS:
 No. Description Date
 2 ADDENDUM #2 12/1/2022

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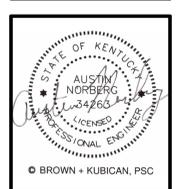
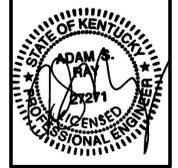
FOUNDATION PLAN AREA A

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 Lexington, Kentucky 40509
 859.252.6781



CONSTRUCTION DOCUMENTS

UK INDOOR TRACK FACILITY

UNIVERSITY OF KENTUCKY
 700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

STRUCTURAL

PROJECT	202258	
DATE	10/25/2022	
REVISIONS		
No.	Description	Date
2	ADDENDUM #2	12/1/2022

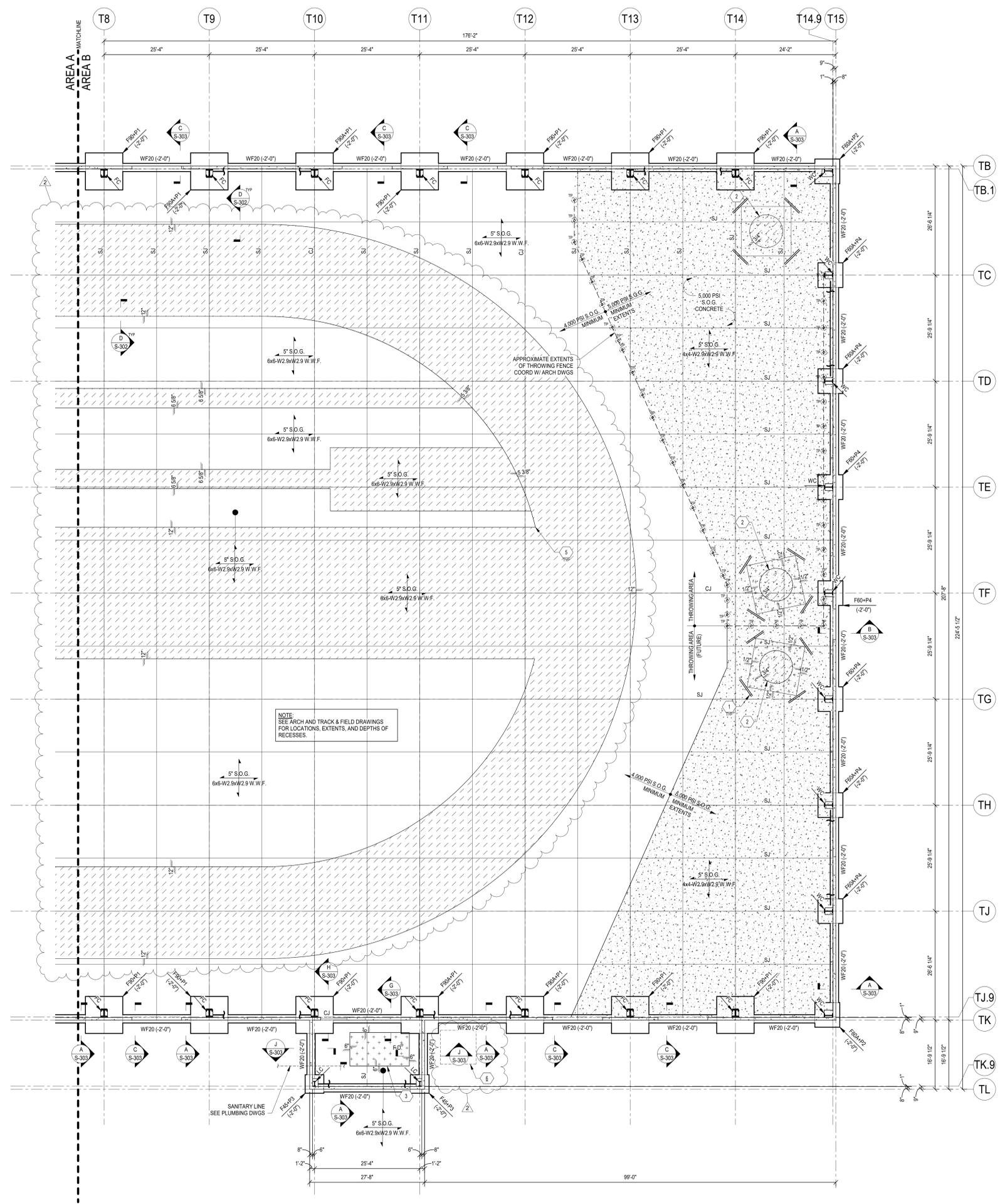
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FOUNDATION PLAN AREA A

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FOUNDATION PLAN NOTES

- ELEVATIONS SHOWN ARE TO THE TOP OF THE FOUNDATION AND ARE REFERENCED FROM FINISHED FIRST FLOOR REFERENCE ELEVATION (0'-0").
- SEE DWG S-102 FOR GENERAL NOTES.
- SEE DWG S-103 FOR SPECIAL INSPECTION NOTES.
- SEE DWGS S-301 & S-302 FOR TYPICAL FOUNDATION DETAILS.
- SEE DWG S-501 FOR COLUMN SCHEDULE.
- SLAB ON GRADE SHALL BE PLACED ON VAPOR RETARDER (SEE SPECIFICATIONS) OVER 6" MINIMUM DENSE GRADED AGGREGATE.
- REINFORCE SLABS ON GRADE AT RE-ENTRANT CORNERS PER DETAIL HS-301. REINFORCING BARS MAY NOT BE SHOWN GRAPHICALLY ON PLAN IN ALL LOCATIONS.
- REMOVE HIGH PLASTICITY CLAYS WHICH ARE PRESENT WITHIN 3-FEET OF FINAL SUBGRADE ELEVATION FOR FOOTING BEARING ELEVATION AND REPLACE WITH ENGINEERED FILL. SEE GENERAL NOTES AND THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- SEE SHEETS S-101, S-201, AND S-202 AND P.E.M.B. SUPPLIER DRAWINGS FOR P.E.M.B. INFORMATION.

FOUNDATION LEGEND

- F40 = SPREAD FOOTING. SEE SCHEDULE.
- WF20 = WALL FOOTING. SEE SCHEDULE.
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- PB = PIPE BOLLARD. SEE DETAIL NS-301. SEE ARCH AND SITE DWGS FOR NUMBER AND LOCATION.
- TP = THROWING AREA POST. SEE DETAIL NS-301.
- RECESSED FLOOR.
- RAISED FLOOR/EQUIPMENT PAD. SEE DETAIL MS-301.
- FLOOR DRAINS. SEE ARCH & PLUMBING DRAWINGS FOR SIZE, NUMBER, AND LOCATIONS.

TAG NOTES

- RE-ENTRANT CORNER SLAB ON GRADE REINFORCING. SEE DET HS-301. NOT ALL LOCATIONS MAY BE SHOWN ON PLAN.
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- MECHANICAL EQUIPMENT PAD FOR ARU. SEE COORDINATE WITH MEP DWGS AND SUPPLIER FOR EXTENTS AND LOCATION.
- REINFORCE DEAD-END SLAB JOINT LOCATIONS WITH (2) #4x5'-0" IN TOP 1/3 OF SLAB.
- MITER EMBEDDED ANGLES @ CORNER FOR TIGHT FIT.
- EXTERIOR MECHANICAL UNIT MAY OCCUR. SEE MEP DWGS. SEE DET ES-302 FOR SLAB ON GRADE. SEE DET MS-301 FOR HOUSEKEEPING PAD.

IMPORTANT P.E.M.B. NOTES:

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- PURLINS AND WIND GIRT SPACING AND QUANTITY ARE NOT SHOWN ON STRUCTURAL DWGS AND SHALL BE PER P.E.M.B. DESIGN.
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- ROOF DIAPHRAGM BRACING IS REQUIRED AS DESIGNED BY P.E.M.B. SUPPLIER.

WALL FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING CONT BOTTOM	TRANSVERSE REINFORCING BOTTOM
WF20	2'-0"	1'-0"	(2) #5	#4@9" O.C.

SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING E.W. BOTTOM
F40	4'-0"	4'-0"	1'-0"	(8) #4
F45	4'-8"	4'-6"	1'-6"	(9) #4
F50	5'-0"	5'-0"	1'-0"	(8) #4
F50A	5'-0"	5'-0"	1'-6"	(8) #4 TOP & BOTT
F55	5'-4"	5'-4"	1'-6"	(8) #5
F60	6'-0"	6'-0"	1'-0"	(7) #5
F60A	6'-0"	6'-0"	2'-0"	(12) #5
F90	9'-0"	9'-0"	2'-0"	(16) #5
F90A	9'-0"	9'-0"	2'-0"	(18) #5 TOP & BOTT

PROJECT TRUE

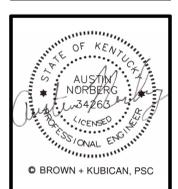
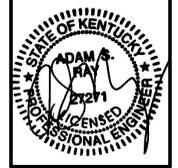


REFERENCE ELEVATION (0'-0") = 1006.1' SEA LEVEL

FOUNDATION PLAN AREA B
3/32" = 1'-0"



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Lexington, Kentucky 40509
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Lexington, KY 40508
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CONSTRUCTION DOCUMENTS
UK INDOOR TRACK FACILITY
UNIVERSITY OF KENTUCKY
700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

STRUCTURAL

PROJECT 202258

DATE 10/25/2022

REVISIONS

No.	Description	Date
2	ADDENDUM #2	12/1/2022

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FOUNDATION PLAN AREA B

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UK INDOOR TRACK FACILITY

700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506



CONCEPT RENDERING

PACKAGE

CONSTRUCTION DOCUMENTS

10/25/2022

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 Lexington, Kentucky 40506
 Capital Project Management Division
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 F: 859.323.1017

ARCHITECT
JRA ARCHITECTS
 3225 Summit Square Place, Suite 200
 Lexington, KY 40509
 P: 859.252.6781
 F: 859.255.5483

STRUCTURAL ENGINEER
BROWN + KUBICAN
 546 E Main St.
 Lexington, KY 40508
 P: 859.543.0933

MECHANICAL / ELECTRICAL ENGINEER
CMTA CONSULTING ENGINEERS
 220 Lexington Green Circle, Suite 600
 Lexington, KY 40503
 P: 859.253.0892

CIVIL ENGINEER
CARMAN
 310 Old Vine Street, Suite 200
 Lexington, KY 40507
 P: 859.254.9803

TRACK & FIELD DESIGN
PAIGE DESIGN GROUP
 1040 Frank Davis Road
 Waynesville, NC 28785
 P: 919.451.1641

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CONSTRUCTION DOCUMENTS
 UK INDOOR TRACK FACILITY
 UNIVERSITY OF KENTUCKY
 700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

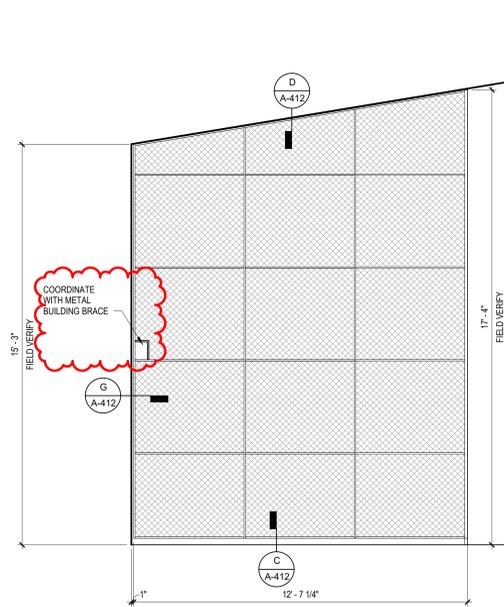
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GENERAL		
PROJECT	202258	
DATE	10/25/2022	
REVISIONS		
No.	Description	Date
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4	LOCK#8923 ADDENDUM 4	11/16/2022
5	LOCK#8923 ADDENDUM 5	12/22/2022

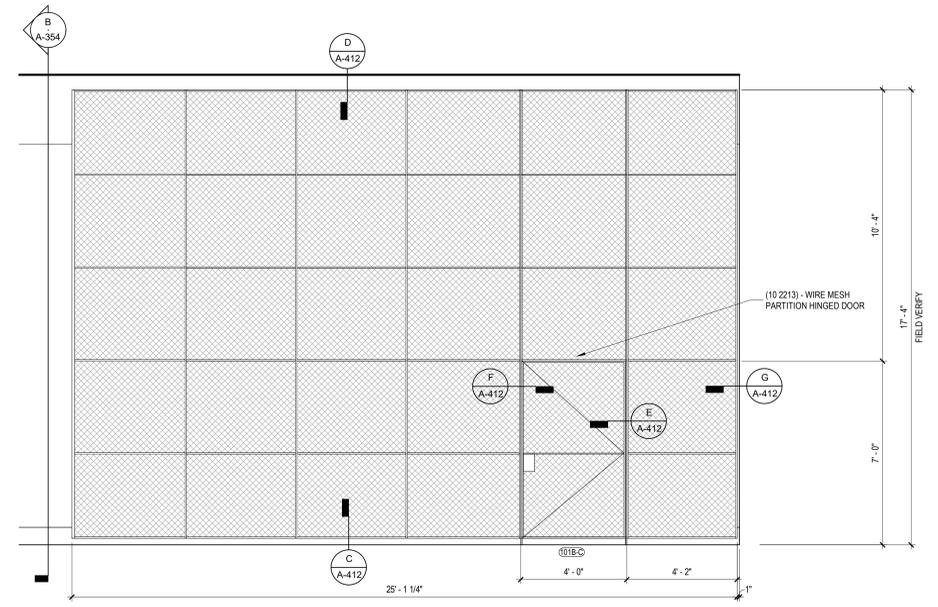
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COVER SHEET

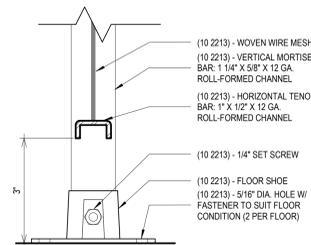
G-001
 UK PROJECT 0286.0
 COPYRIGHT 2022 - JRA, INC.



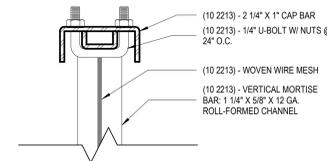
A WIRE MESH PARTITION
3/8" = 1'-0"



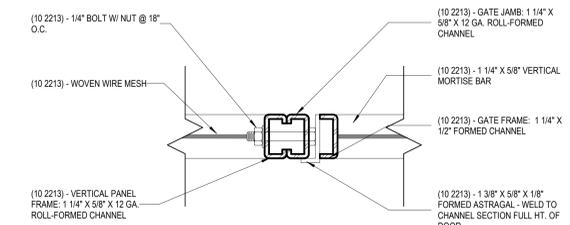
B WIRE MESH PARTITION
3/8" = 1'-0"



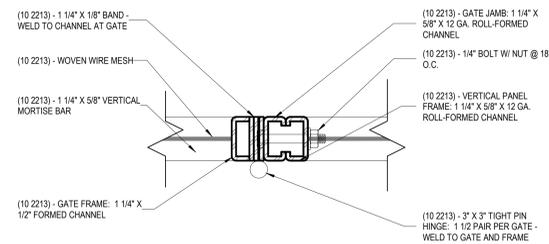
C WMP - FLOOR CONNECTION DETAIL
6" = 1'-0"



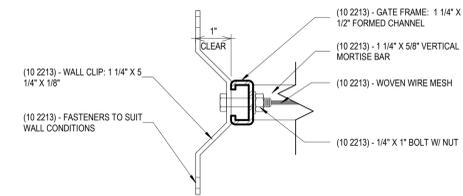
D WMP - CAP BAR DETAIL
6" = 1'-0"



E WMP - LOCK JAMB DETAIL
6" = 1'-0"



F WMP - HINGE JAMB
6" = 1'-0"



G WMP - WALL CONNECTION DETAIL
6" = 1'-0"



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UNIVERSITY OF KENTUCKY
700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

ARCHITECTURAL

PROJECT 202258
DATE 10/25/2022

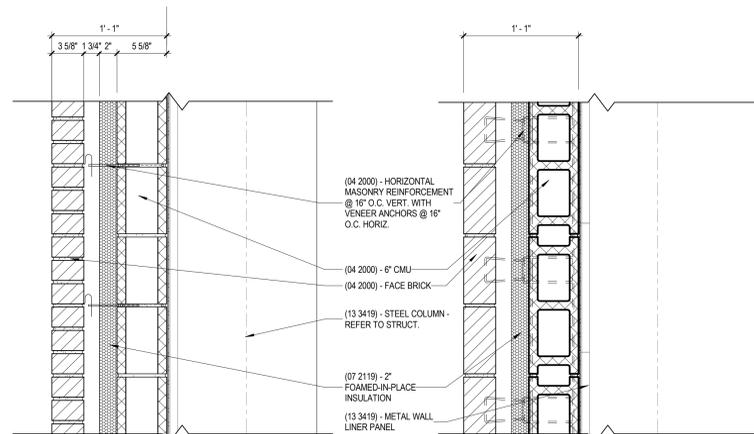
REVISIONS		
No.	Description	Date
5	CK-2022-23 ASD02	12/1/2022

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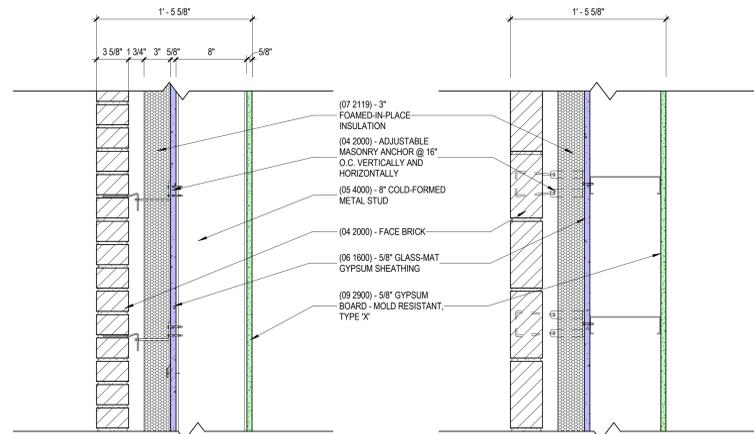
INTERIOR ELEVATIONS AND DETAILS

A-412
UK PROJECT 2022.0

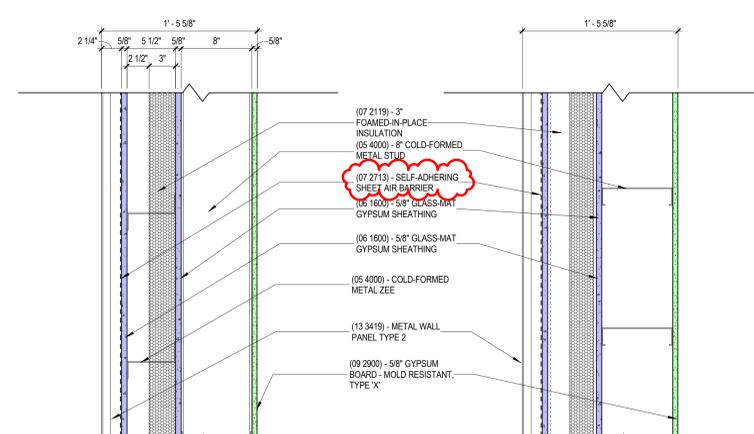
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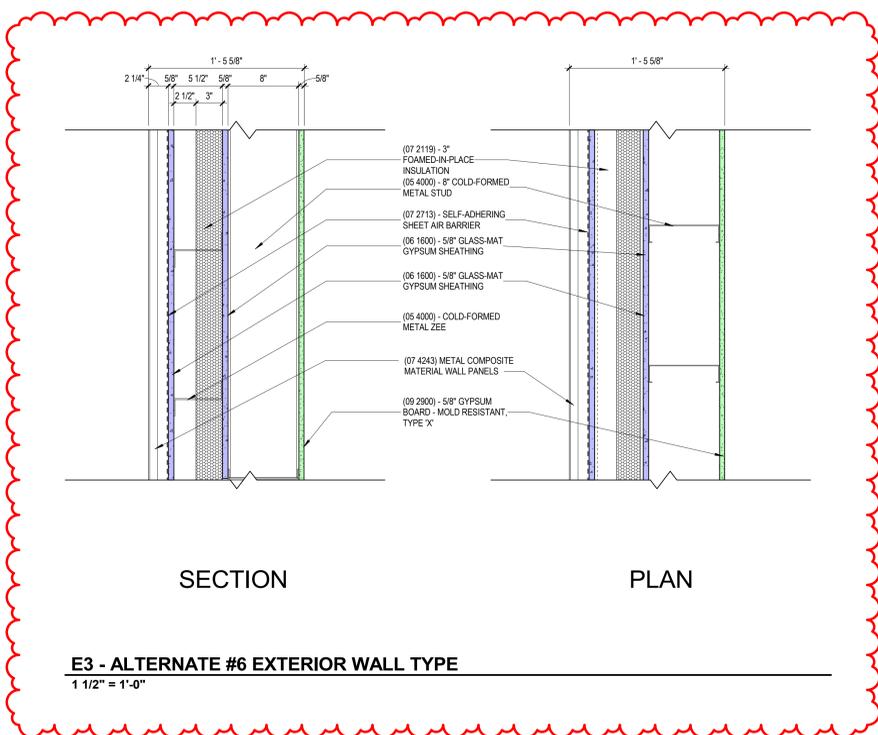
SECTION
E1 - EXTERIOR WALL TYPE
1 1/2" = 1'-0"



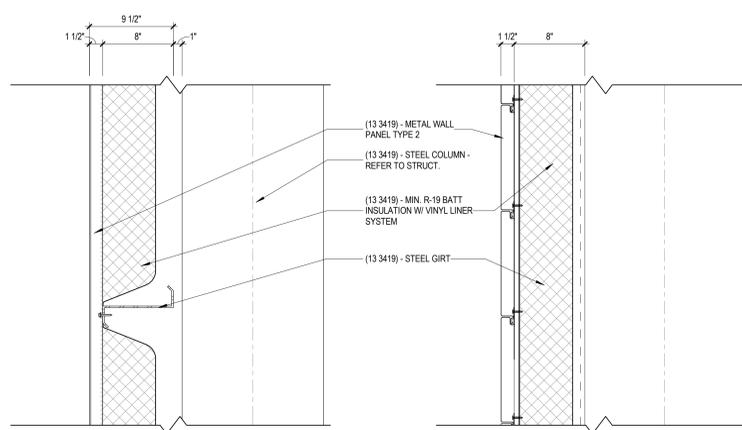
SECTION
E2 - EXTERIOR WALL TYPE
1 1/2" = 1'-0"



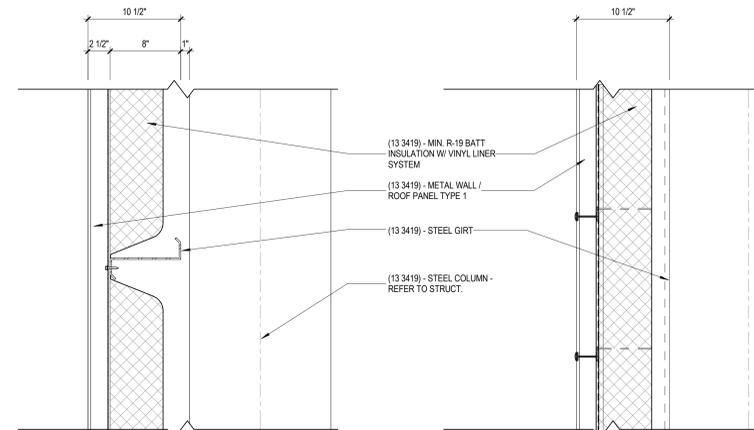
SECTION
E3 - BASE BID EXTERIOR WALL TYPE
1 1/2" = 1'-0"



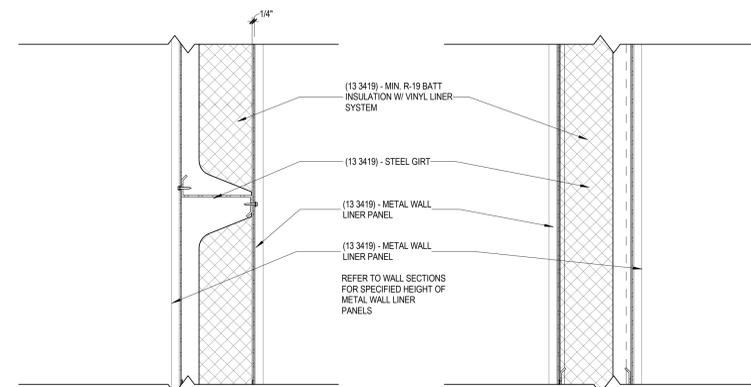
SECTION
E3 - ALTERNATE #6 EXTERIOR WALL TYPE
1 1/2" = 1'-0"



SECTION
E4 - EXTERIOR WALL TYPE (METAL BUILDING)
1 1/2" = 1'-0" NOTE: GIRT SPACING AND LOCATIONS BY MBM. COORDINATE OPENING LOCATIONS AS REQUIRED.



SECTION
E5 - EXTERIOR WALL TYPE (METAL BUILDING)
1 1/2" = 1'-0" NOTE: GIRT SPACING AND LOCATIONS BY MBM. COORDINATE OPENING LOCATIONS AS REQUIRED.



SECTION
E6 - EXTERIOR WALL TYPE (METAL BUILDING TRANSITION)
1 1/2" = 1'-0" NOTE: GIRT SPACING AND LOCATIONS BY MBM. COORDINATE OPENING LOCATIONS AS REQUIRED.



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CONSTRUCTION DOCUMENTS

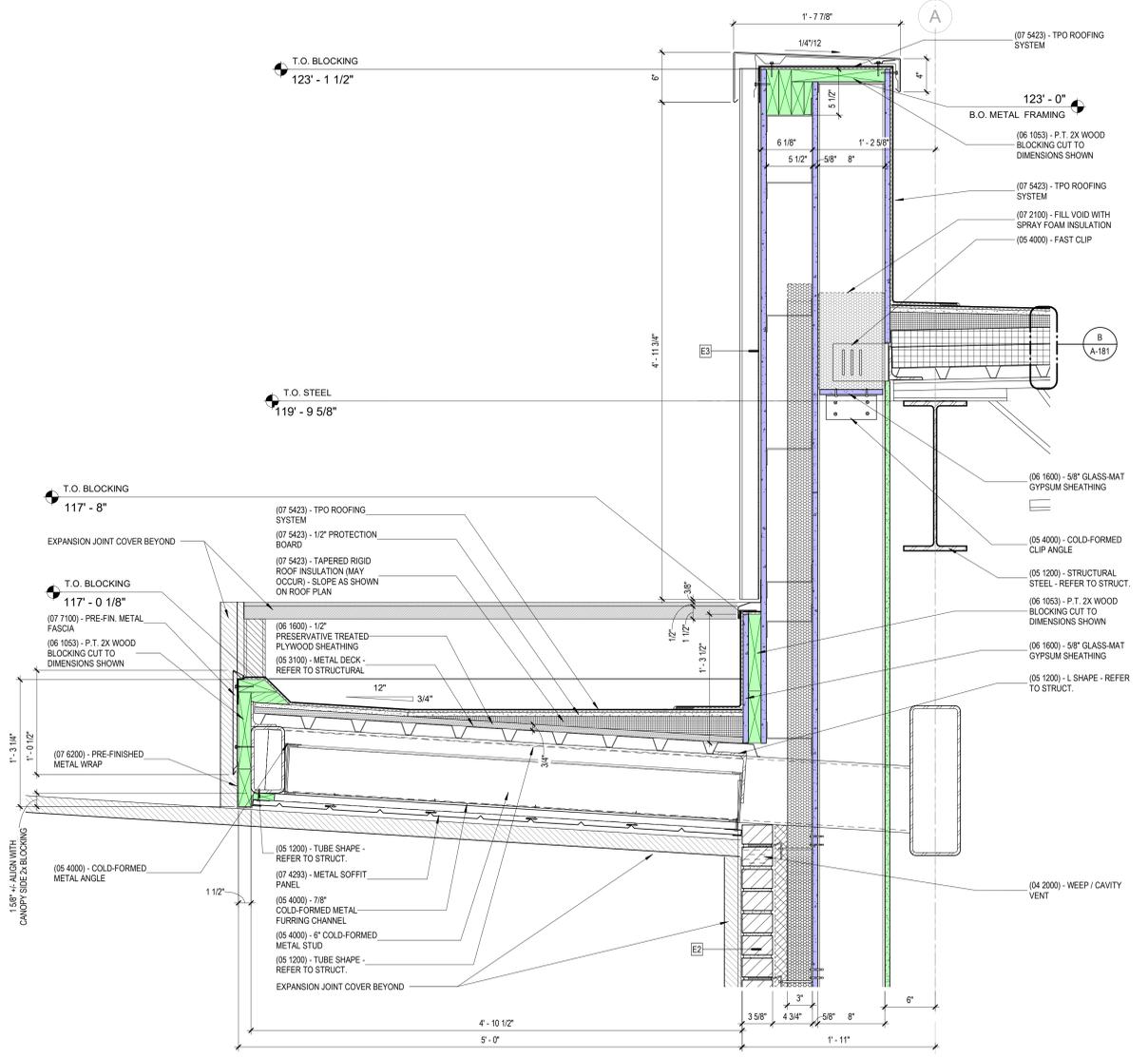
UK INDOOR TRACK FACILITY
UNIVERSITY OF KENTUCKY
700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

No.	Description	Date
3	PRELIM - ADDENDUM 3	8/30/2022
5	CON-2869-23 ADDEND	12/22/2023

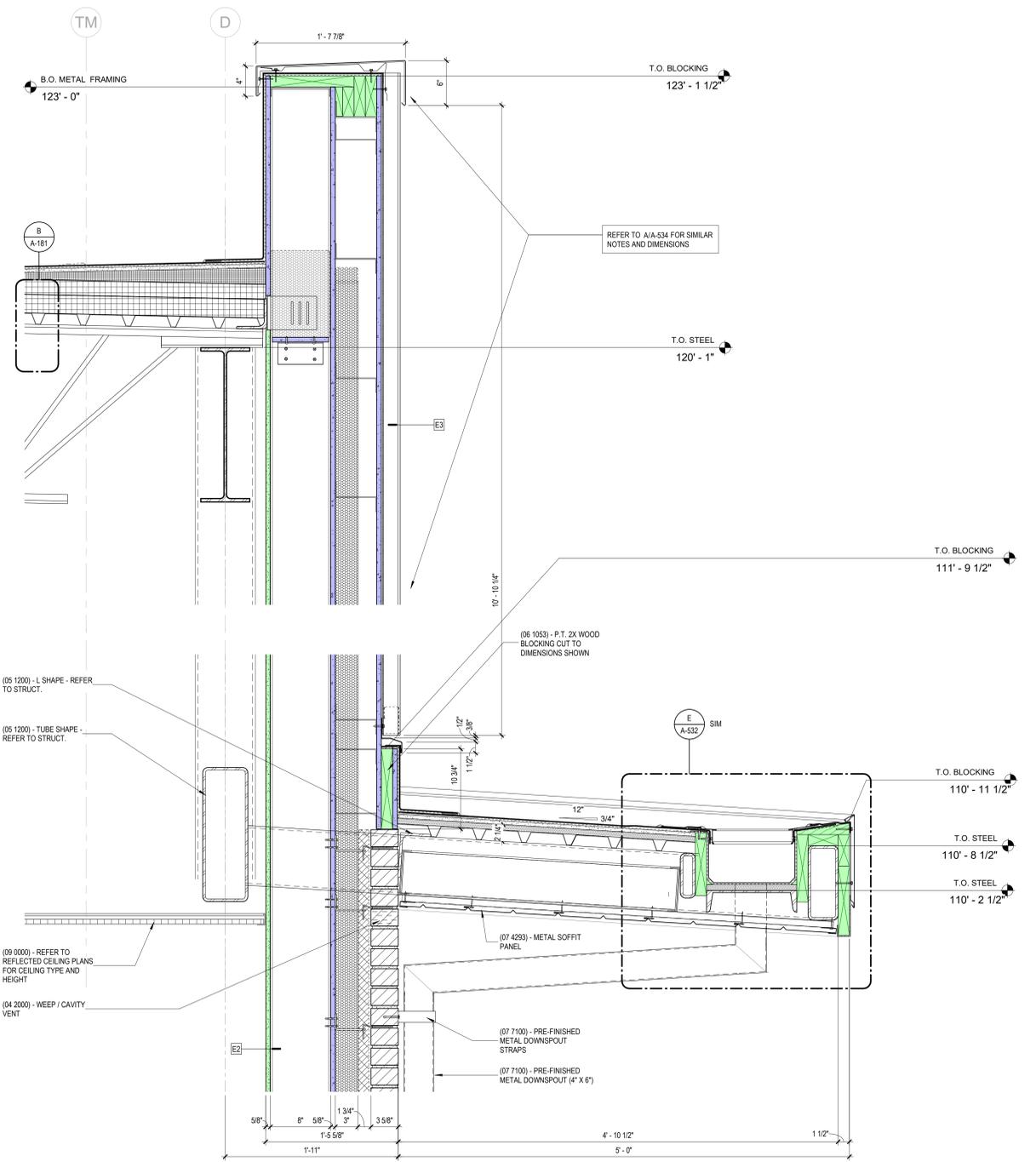
ARCHITECTURAL	
PROJECT	202258
DATE	10/25/2022

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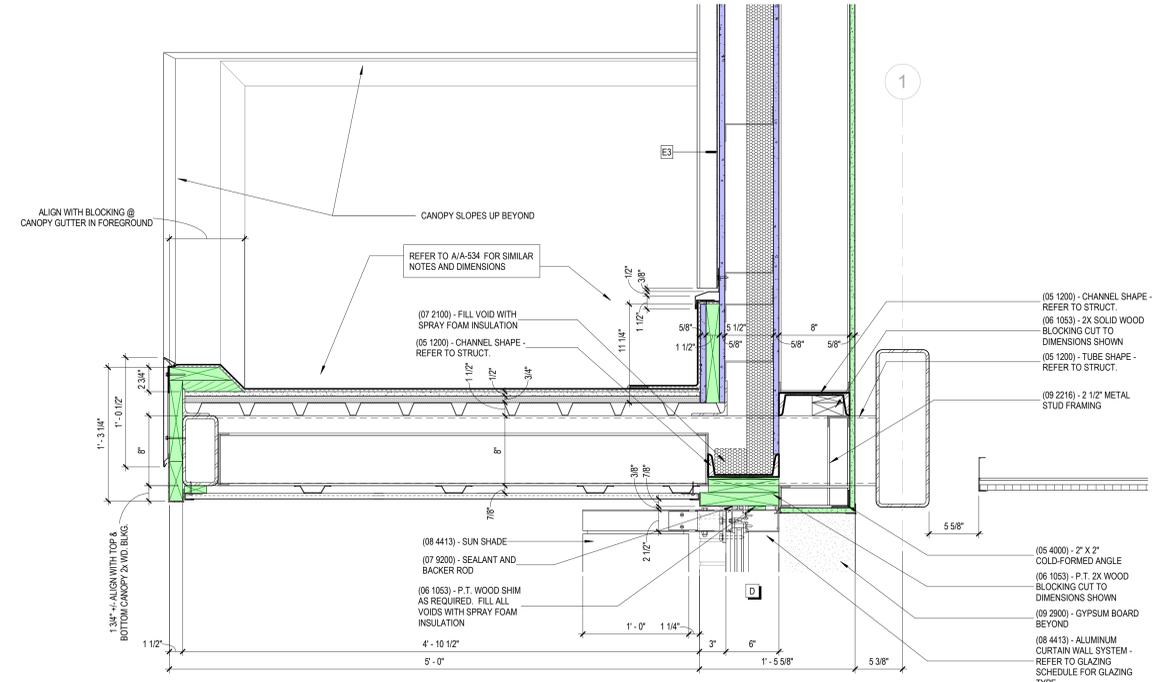
EXTERIOR ASSEMBLIES



A ENLARGED SECTION - CANOPY HIGH
1 1/2" = 1'-0"



B ENLARGED SECTION - CANOPY LOW
1 1/2" = 1'-0"



C ENLARGED SECTION - CANOPY SIDE
1 1/2" = 1'-0"



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CONSTRUCTION DOCUMENTS

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UNIVERSITY OF KENTUCKY
700 SPORTS CENTER DRIVE LEXINGTON, KENTUCKY 40506

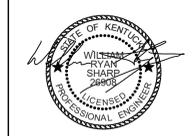
ARCHITECTURAL

PROJECT 202258
DATE 10/25/2022

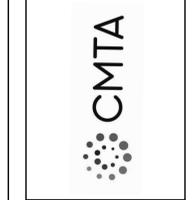
REVISIONS		
No.	Description	Date
1	OKK-2022-23 ADDS	12/1/2022

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ENLARGED SECTION DETAILS BASE BID



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UK INDOOR TRACK FACILITY
UNIVERSITY OF KENTUCKY
LEXINGTON, KENTUCKY

Table with 3 columns: No., Description, Date. Row 3: ADDENDUM 2, 12/1/2022

Table with 2 columns: PROJECT, DATE. PROJECT: 202258, DATE: 10.25.22

JRA ARCHITECTS HAS RETAINED AN ELECTRONIC VERSION OF THESE DRAWINGS. THE CLIENT AGREES NOT TO REUSE THESE DRAWINGS... IT IS THE CONTRACTORS RESPONSIBILITY TO MEET ALL LOCAL ORDINANCE AND MUNICIPAL REQUIREMENTS RELATED TO UTILITY INSTALLATION, INSPECTIONS, MATERIALS, FEES, ETC.

ELECTRICAL SITE UTILITY PLAN

EU-101

ELECTRICAL SITE NOTES

- A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.
B REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLANS, APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.
C ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.
D FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
E WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGNOSTIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.
G CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
H CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.
I PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY, THE ARCHITECT, AND THE BUILDING OPERATORS AT LEAST ONE WEEK IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED FROM THEM AT LEAST TWO WEEKS IN ADVANCE IN WRITING AND INSURE THAT THEY DO NOT DELAY WORK.
J THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.
K THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.
L THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES, THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.
M THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.
N CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE, INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.
O WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEDWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
P REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).
Q COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
R COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

TAGGED NOTES

- UE16 EXISTING TELECOMMUNICATION MANHOLE TAGGED U-185. THERE IS AN EXISTING 12 STRAND SINGLE MODE, 12 STRAND MULTI MODE, AND 50 PAIR COPPER CABLE FROM SHIVELY TO FORMER BASEBALL STADIUM COILED IN MANHOLE. CONTRACTOR TO PULL FIBER AND COPPER BACK TO MANHOLE U-184, THROUGH NEW SERVICE ENTRANCE DUCT, AND TERMINATE ON SERVICE PROTECTION BLOCKS IN MDF (ROOM 104).
UE17 CONTRACTOR IS TO INSTALL A NEW 24 STRAND SINGLE MODE (SM) FIBER FROM TELECOMMUNICATION ROOM IN BASEMENT OF MARGARET INGELS HALL TO NEW MDF (ROOM 104). FIBER TO BE PULLED THROUGH EXISTING DUCTS LEADING TO NEW BUILDING SERVICE DUCT AT MANHOLE U-184. PATHWAY TO BE FROM B03 TO MANHOLE U-182, TO MANHOLE U-184, TO NEW MDF (ROOM 104). DISTANCE IS APPROXIMATELY 1,065'.
UE24 ALL SITE DISHS TO BE PHOTOGEN CONTROLLED WITH PULL BOX FEED TO POME BASE (TYPICAL).
UE25 LIGHT POLE TO HAVE WEATHERPROOF GFI PROTECTED ELECTRICAL DUPLEX INSTALLED AT BASE.

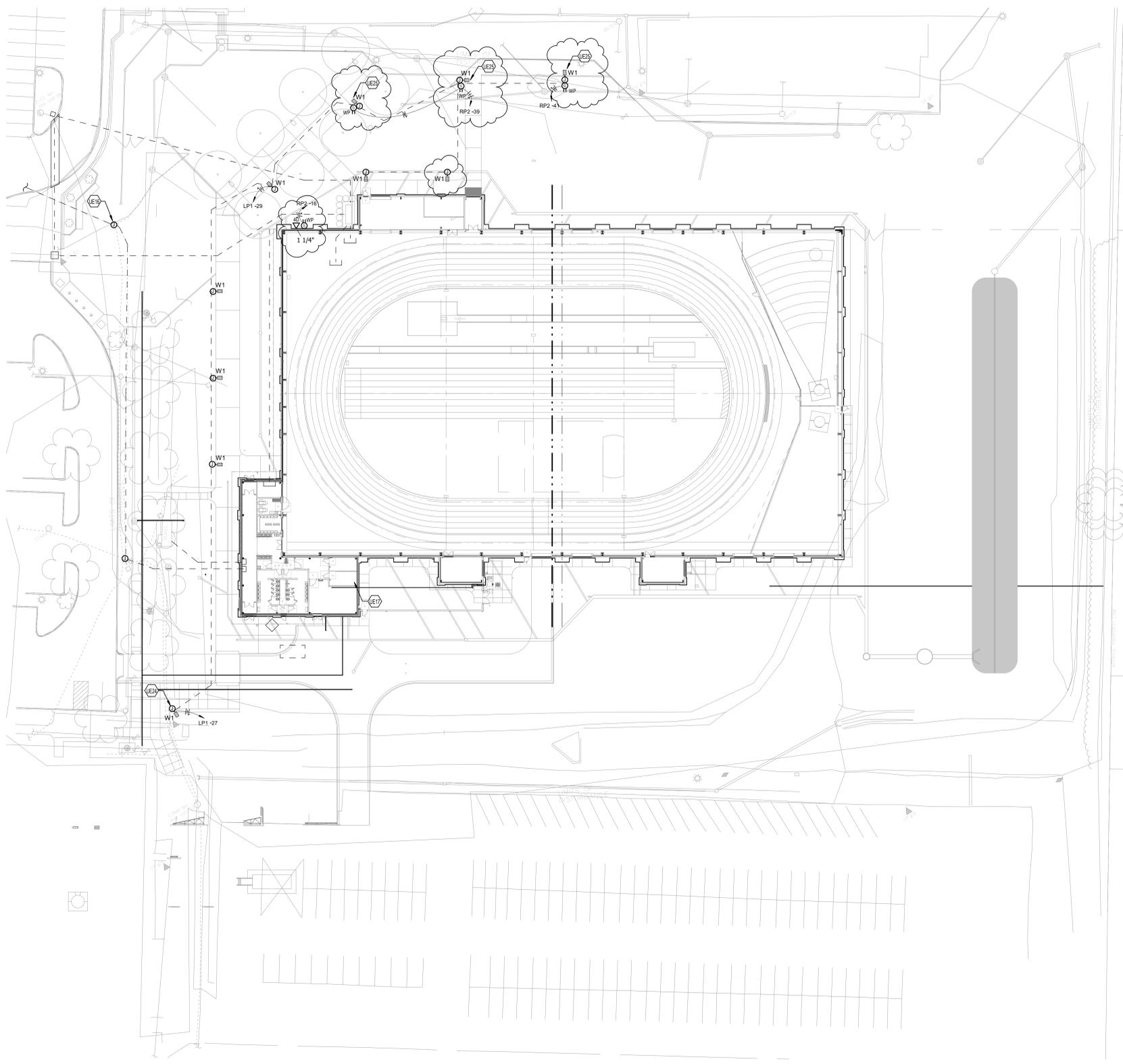
SITE UTILITIES LEGEND

Legend table with symbols and descriptions: EXISTING, DEMOLITION, NEW WORK; SANITARY MANHOLE; FIRE HYDRANT; WATER VALVE; EXTERIOR CLEANOUT; THRUST BLOCK; NEW PIPING - (XXX) DENOTES SYSTEM; PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM; EXISTING PIPING - (XXX) DENOTES SYSTEM; ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM; OVERHEAD PRIMARY; OVERHEAD SECONDARY; OVERHEAD STREET LIGHT; OVERHEAD TRAFFIC SIGNAL; OVERHEAD TELECOMMUNICATIONS; OVERHEAD FIBER OPTIC; OVERHEAD CATV; UNDERGROUND PRIMARY; UNDERGROUND SECONDARY; UNDERGROUND STREET LIGHT; UNDERGROUND TRAFFIC SIGNAL; UNDERGROUND TELECOMMUNICATIONS; UNDERGROUND FIBER OPTIC; UNDERGROUND CATV; CHILLED WATER; DOMESTIC WATER; HIGH PRESSURE SUPPLYR; PUMPED DISCHARGE RETURN; SANITARY SEWER; STORM.

UTILITY COMPANY CONTACTS: POWER: UNIVERSITY OF KENTUCKY STEVEN HUGHES 859.257.4380; TELEPHONE: UNIVERSITY OF KENTUCKY SHELBY AVERY 859.257.7387

IT IS THE CONTRACTORS RESPONSIBILITY TO MEET ALL LOCAL ORDINANCE AND MUNICIPAL REQUIREMENTS RELATED TO UTILITY INSTALLATION, INSPECTIONS, MATERIALS, FEES, ETC.

BEFORE YOU DIG THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUO (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUO" TO OBTAIN AN AUTHORIZATION NUMBER.



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

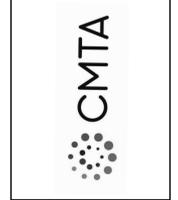
TAGGED NOTES

- P5 COORDINATE GAS METER INSTALLATION WITH COLUMBIA GAS.
- P14 REFER TO PLUMBING OVERALL PLAN FOR CONTINUATION.
- P15 PIPING IS TO BE LOCATED UNDERGROUND.
- P23 CONNECT AIR HANDLER ROOM FLOOR DRAIN FOR CONDENSATE TO THE SITE STORM SEWER PIPING. REFER TO CIVIL PLAN C-201 FOR STORM PIPE ROUTING.

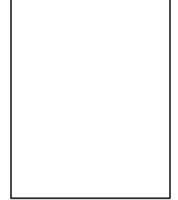
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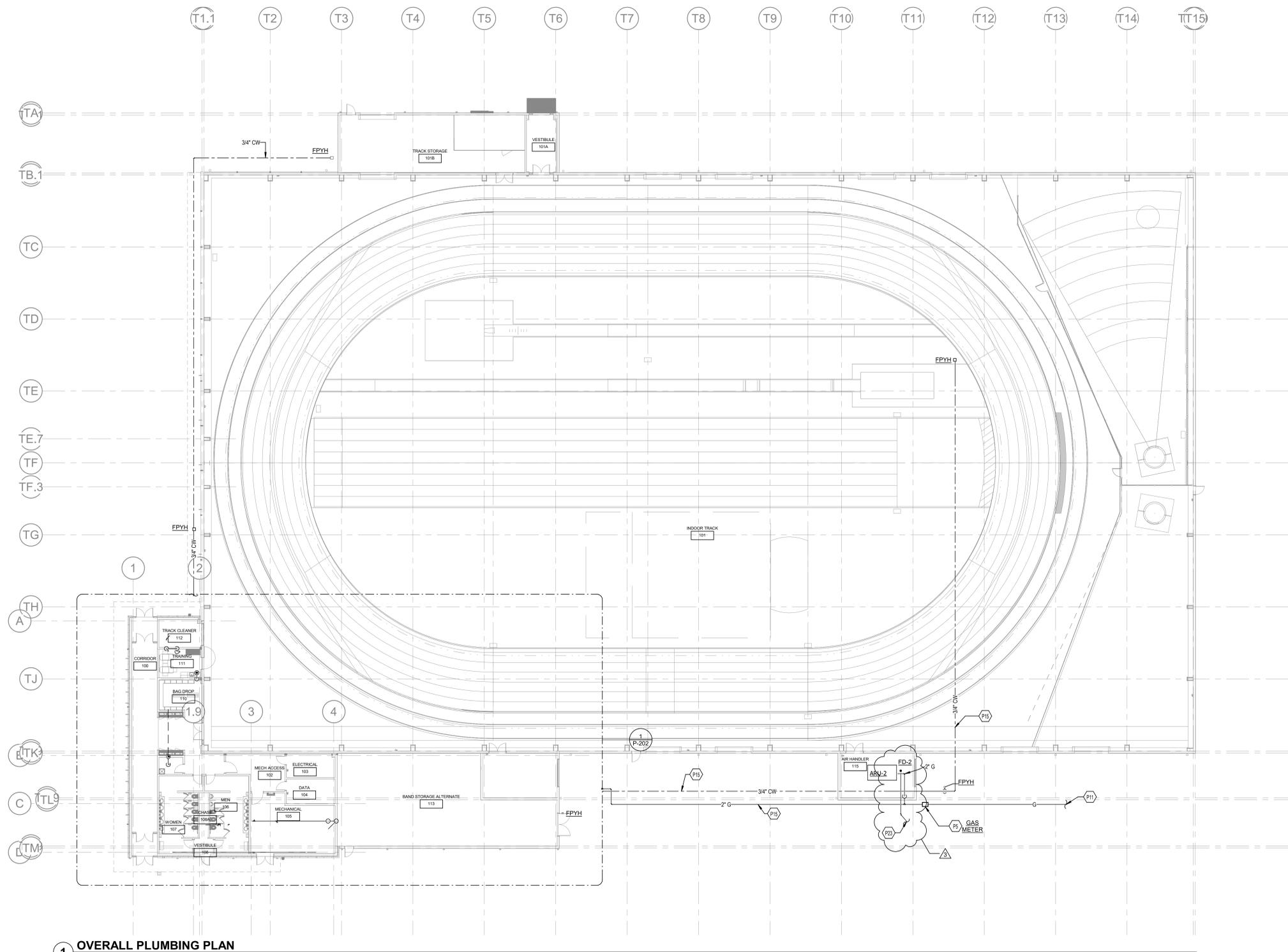


PLUMBING		
PROJECT	202258	
DATE	10.25.22	
REVISIONS		
No.	Description	Date
3	ADDENDUM 2	12/1/2022

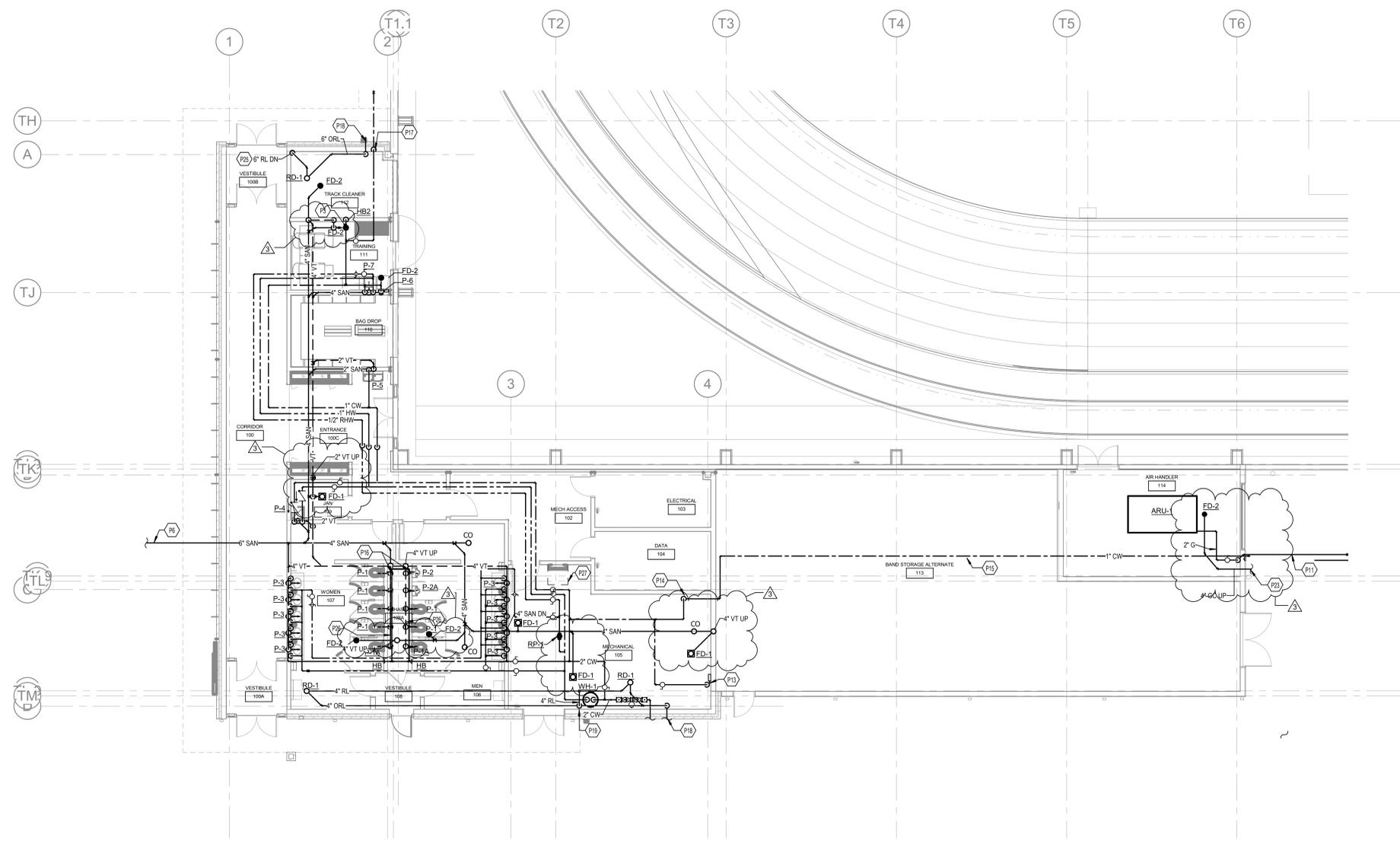
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OVERALL PLUMBING PLAN

P-201



1 OVERALL PLUMBING PLAN
1/16" = 1'-0"

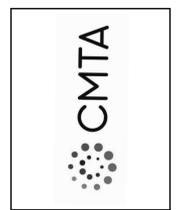


1 ENLARGED ENTRANCE PLUMBING PLAN
1/8" = 1'-0"

- TAGGED NOTES**
- P3 COORDINATE LOCATION OF FLOOR DRAIN WITH ICE MAKER.
 - P6 REFER TO SITE PLAN FOR CONTINUATION.
 - P11 REFER TO PLUMBING OVERALL PLAN FOR CONTINUATION.
 - P13 1/2" COLD WATER PIPE DOWN TO TRAP PRIMER ON WALL.
 - P14 DOMESTIC COLD WATER PIPING TO BE ROUTED UNDERGROUND.
 - P15 PIPING IS TO BE LOCATED UNDERGROUND.
 - P16 FURNISH WATER HAMMER ARRESTOR AT END OF PIPING RUN.
 - P17 3/4" DOMESTIC COLD WATER PIPING TO BE ROUTED UNDERGROUND TO FREEZE PROOF YARD HYDRANT. REFER TO OVERALL PLUMBING PLAN FOR CONTINUATION.
 - P18 OVERFLOW ROOF LEADER DOWN TO DOWNSPOUT IN WALL. PROVIDE STAINLESS STEEL SCREENS IN ZURN Z199 WITH BRONZE BODY. REFER TO ARCHITECTURAL ELEVATIONS FOR HEIGHT.
 - P19 ROOF LEADER DOWN UNDERGROUND. REFER TO SITE PLAN FOR CONTINUATION.
 - P23 CONNECT AIR HANDLER ROOM FLOOR DRAIN FOR CONDENSATE TO THE SITE STORM SEWER PIPING. REFER TO CIVIL PLAN C-201 FOR STORM PIPE ROUTING.
 - P28 EXPOSED ROOF LEADER IN THE CORNER OF THE ROOM SHALL BE INSULATED WHERE EXPOSED AND WRAPPED WITH A PVC JACKET. COLOR SELECTED BY ARCHITECT.
 - P26 PIPING IN PLUMBING CHASE SHALL BE HELD TIGHT TO THE SIDEWALLS TO MAXIMIZE ACCESS CLEARANCE.
 - P27 MAINTAIN A MINIMUM OF 3 FEET CLEAR IN FRONT OF ACCESS LADDER.



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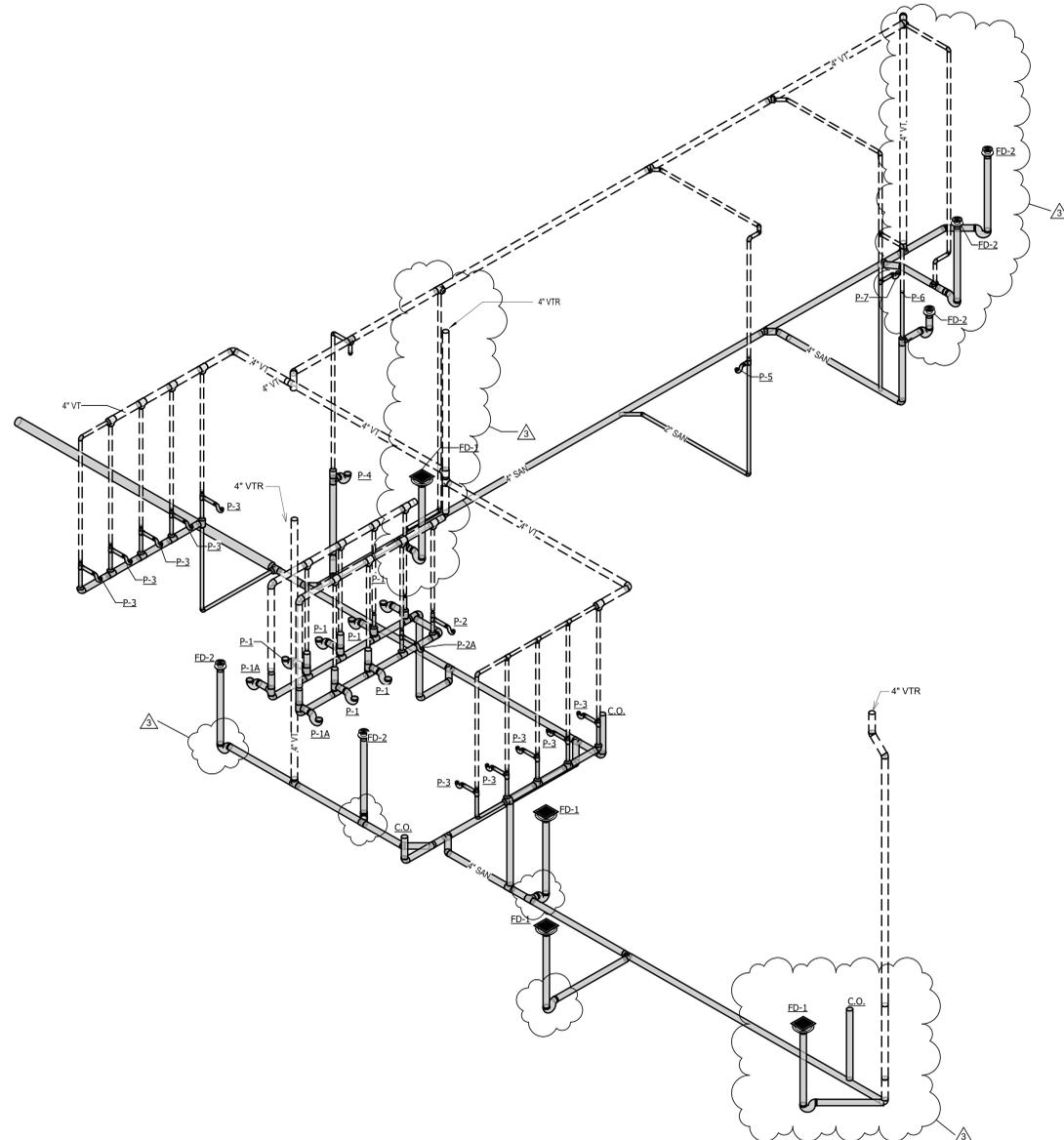
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3	ADDENDUM 2	12/1/2022

PLUMBING	
PROJECT	202258
DATE	10.25.22

ENLARGED PLUMBING PLANS

P-202
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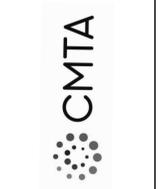
1 Plumbing Riser Overall

TAGGED NOTES

#



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PLUMBING

PROJECT	202258
DATE	10.25.22

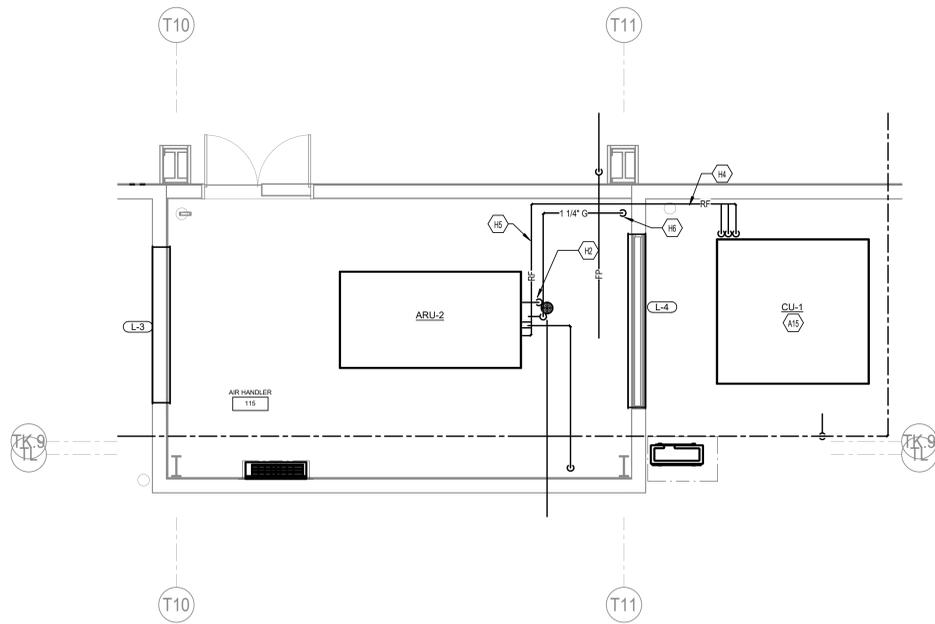
REVISIONS		
No.	Description	Date
3	ADDENDUM 2	12/1/2022

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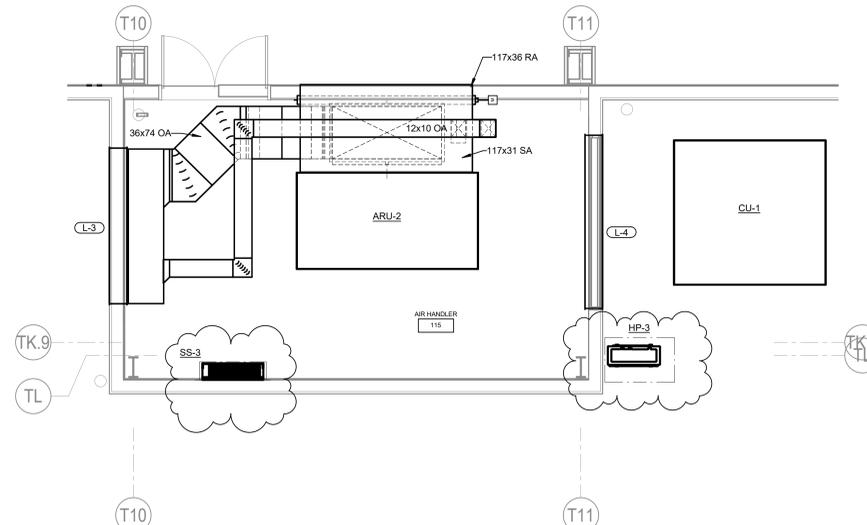
PLUMBING RISER

P-301

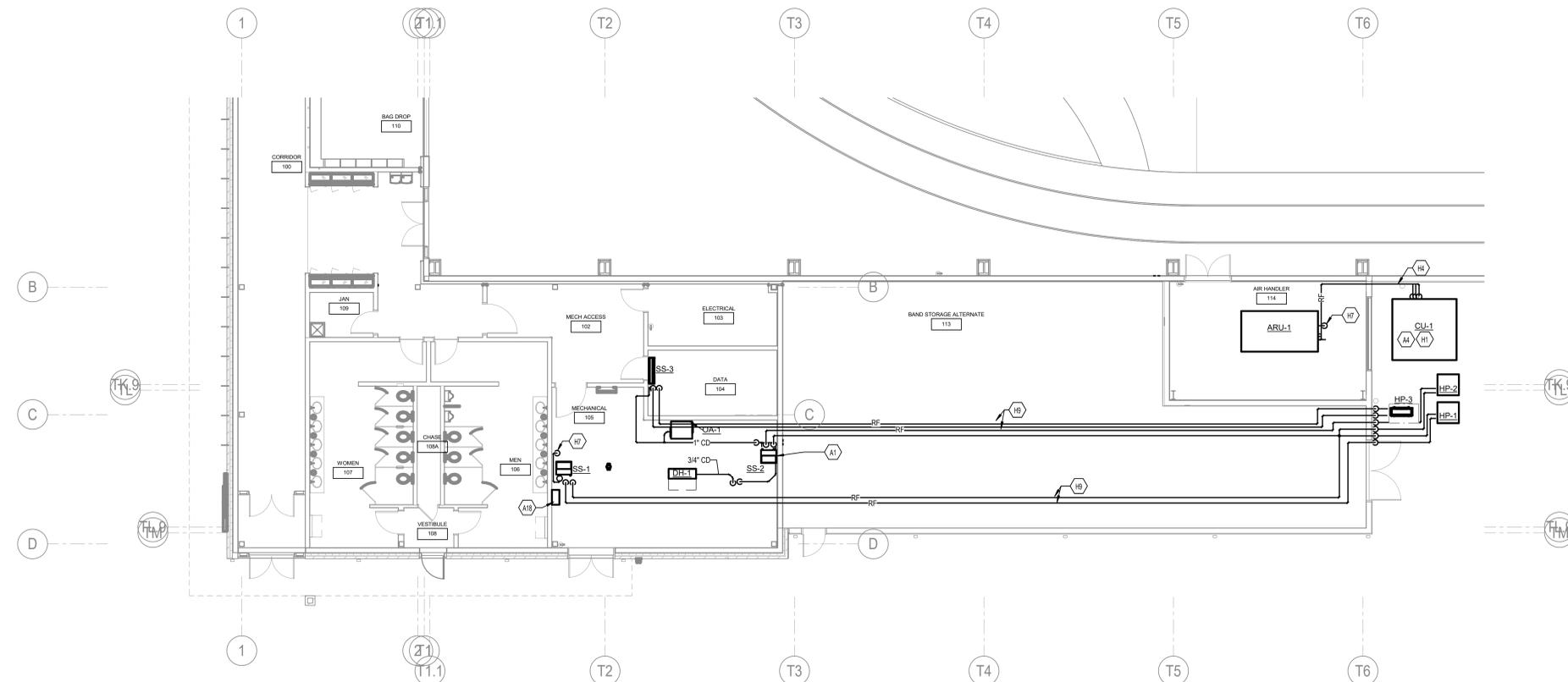
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2 ENLARGED PIPING PLAN 115
1/4" = 1'-0"



3 ENLARGED AIR DISTRIBUTION - AIR HANDLER 115
1/4" = 1'-0"



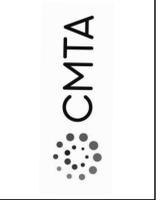
1 MECHANICAL PIPING PLAN
1/8" = 1'-0"

TAGGED NOTES

- A1 MECHANICAL EQUIPMENT TO BE LOCATED ON 4" CONCRETE PAD.
- A4 COOLING COILS CONDENSING UNIT AND ALL ASSOCIATED REFRIGERANT PIPING SHALL BE INCLUDED AS AN ALTERNATE.
- A15 AIR CONDITIONING OF THE INDOOR TRACK IS AN ALTERNATE. THE AIR ROTATION UNITS AND EVAPORATOR COIL SHALL BE INCLUDED IN THE BASE BID. COU1 AND ASSOCIATED REFRIGERANT PIPING SHALL BE INCLUDED IN THE ALTERNATE.
- A18 MOUNT BAS PANEL ON MECHANICAL ROOM WALL WITH A SACNET/IP TIER 1 CONTROLLER. REFER TO ELECTRICAL PLANS FOR POWER AND DATA CONNECTIONS.
- H1 CONDENSING UNIT TO BE LOCATED ON A 4" HOUSEKEEPING PAD.
- H2 2" CONDENSATE DRAIN TO BE ROUTED TO TURN DOWN INTO FLOOR DRAIN. CONDENSATE PIPING IS TO BE INCLUDED IN ALTERNATE #1.
- H4 STACK REFRIGERANT PIPES AGAINST WALL WITH UNISTRUT RACKS. REFRIGERANT PIPE SIZES AND QUANTITY SHALL BE PER MANUFACTURER'S REQUIREMENTS
- H5 STACK REFRIGERANT PIPES WITH UNISTRUT RACKS TO STAY OUT OF MAINTENANCE PATHWAYS.
- H6 1-1/4" NATURAL GAS PIPE TO COME UP IN CORNER FROM UNDERGROUND.
- H7 CONDENSATE PIPING TO TURN DOWN TO FLOOR DRAIN. REFER TO PLUMBING PLANS FOR FLOOR DRAIN LOCATION.
- H9 REFRIGERANT PIPING ROUTE SHOWN THROUGH THE BAND STORAGE AREA BEING BID AS AN ALTERNATE. BASE BID SHALL BE ROUTED THROUGH THE INDOOR TRACK. INSTALL TIGHT TO THE WALL. ALL INSULATION EXPOSED IN THE TRACK SHALL INCLUDE A PVC JACKET. INSTALL TIGHT TO STRUCTURE.



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MECHANICAL

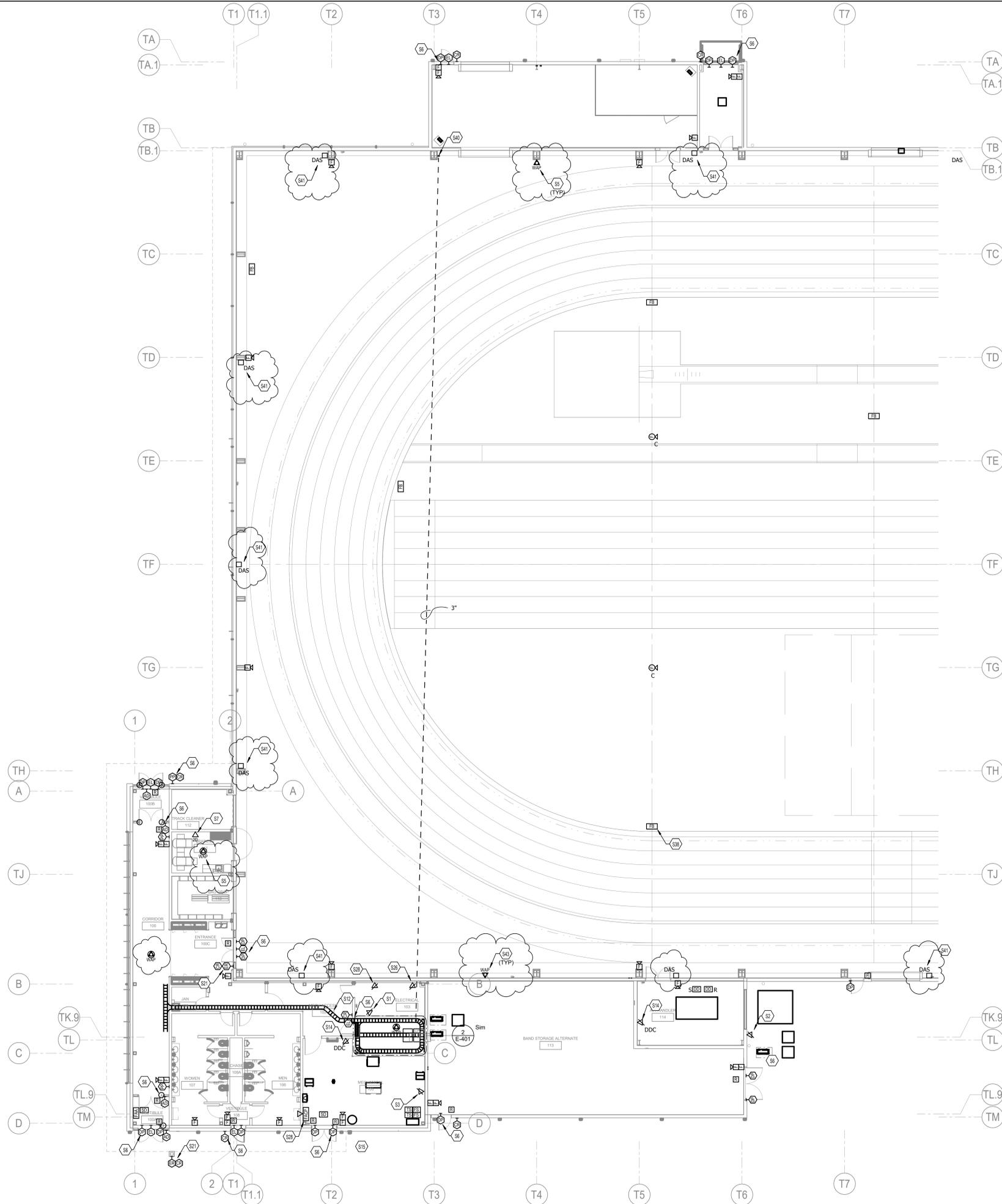
PROJECT	202258
DATE	10.25.22

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No.	Description	Date
3	ADDENDUM 2	12/1/2022

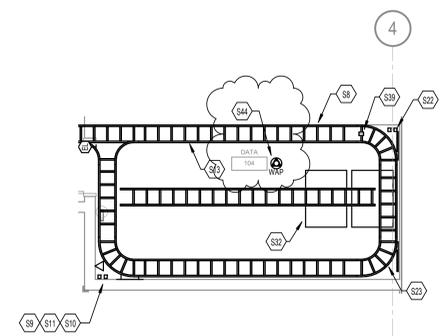
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MECHANICAL PIPING PLAN

M-301
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1 FIRST FLOOR SYSTEMS PLAN - AREA A
3/32" = 1'-0"



2 COMM ROOM
1/4" = 1'-0"

TAGGED NOTES

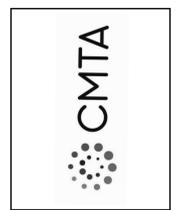
- S1 PROVIDE NETWORK DROP FOR DIGITAL ELECTRIC METER. COORDINATE INSTALLATION AND ALLOW REPORTING TO DELTA ROOM.
- S2 PROVIDE NETWORK DROP FOR DIGITAL GAS METER. COORDINATE INSTALLATION AND ALLOW REPORTING TO DELTA ROOM.
- S3 PROVIDE NETWORK DROP FOR DIGITAL WATER METER. COORDINATE INSTALLATION AND ALLOW REPORTING TO DELTA ROOM.
- S5 WIRELESS ACCESS POINT (WAP) LOCATION. WAP TO BE PROVIDED AND INSTALLED BY UNIVERSITY OF KENTUCKY IT. CONTRACTOR TO PROVIDE 5' x 5' BOX ATTACHED TO STRUCTURAL MEMBER. PROVIDE SINGLE GANG MUD RING AND SINGLE CONNECTOR FACEPLATE. PROVIDE CAT 6A CABLE AND CONNECTOR FOR EACH LOCATION. (TYPICAL)
- S6 DOOR LOCATION WITH ACCESS CONTROL HARDWARE. CONTRACTOR TO PROVIDE RACEWAY AND SECURITY DEVICES AND CONTROLLERS. COORDINATE WITH DOOR HARDWARE SCHEDULE.
- S7 CONTRACTOR TO PROVIDE 1" CONDUIT WITH CAT 6A CABLE TO ACCESSIBLE CABLE TRAY. PULL BOX TO BE LOCATED NEAR ANY VERTICAL TO ABOVE WALL TRANSITION. NETWORK CABLE, CONNECTIONS, AND FACEPLATE BY NETWORK CONTRACTOR. INSTALL PER UK IT STANDARDS. (TYPICAL)
- S8 MAIN TELECOMMUNICATIONS ROOM. ACCESS CONTROL CABLES HOMERUN TO NEAREST TELECOMMUNICATION RACK (DATA 104 OR ROOM 115)
- S9 PROVIDE VOID FREE FIRE RETARDANT PLYWOOD BACKBOARD ON WALLS PER UK STANDARDS.
- S10 PROVIDE TWO (2) 4" CONDUITS FOR DATA SERVICE ENTRANCE. SEE SITE PLAN FOR ADDITIONAL INFORMATION.
- S11 TELECOMMUNICATION GROUND BUS BAR. CONNECT TO MAIN SERVICE GROUND BUS. ASSUME #1 AWG COPPER GROUND. BOND ALL RACKS, EQUIPMENT, TRAY, AND CURRENT CARRYING RACEWAY EQUIPMENT.
- S12 12" x 4" CABLE LADDER TRAY. INSTALL PER UK STANDARDS.
- S13 BOTTOM OF TRAY TO BE 8" 4" OR TO TOP OF PLYWOOD. PROVIDE HEIGHT TRANSITION UPON LEAVING TELECOM ROOM.
- S14 BUILDING AUTOMATION PANEL. PROVIDE NETWORK DROP POWER, AND COORDINATE EXACT LOCATION AND QUANTITY WITH CONTROLS CONTRACTOR. (TYPICAL)
- S15 PROVIDE FIRE ALARM RELAY TO POST INDICATOR VALVE. COORDINATE LOCATION ON SITE PLAN.
- S21 RETINAL ACCESS CONTROL READER TO BE INSTALLED AND COORDINATED PER UK STANDARDS.
- S22 PROVIDE TWO (2) 2" CONDUITS TO TELECOMMUNICATION WALL RACK IN ROOM 115.
- S23 PROVIDE 1" CONDUIT WITH PULL STRING TO LOWER ROOF FOR OWNER INSTALLED DAS ANTENNA.
- S26 PROVIDE NETWORK INTERFACE FOR LIGHTING CONTROLS. TO BE INTEGRATED INTO BUILDING DDC FOR OCCUPIED, UNOCCUPIED, AND STATUS CONTROL/MONITORING. INTERFACE TO BE VIA BACNET IP. COORDINATE INSTALLATION WITH CONTROLS CONTRACTOR.
- S28 PROVIDE NETWORK INTERFACE TO UK SECURITY FOR CONTROLLER COMMUNICATION.
- S32 PROVIDE TWO (2) FLOOR MOUNT TELECOMMUNICATION RACKS PER UK STANDARDS.
- S38 REFER TO SHEET E-403 FOR FLOOR BOX SYSTEMS REQUIREMENTS.
- S39 PROVIDE SPARE 3" CONDUIT WITH PULL STRING TO OPPOSITE (PLAN NORTH WALL) FOR FUTURE TELECOMMUNICATION CABLING.
- S40 3" CONDUIT TO BE STUB UP AND BE CAPPED ABOVE FLOORING FOR FUTURE ACCESSIBILITY.
- S41 DAS REMOTE LOCATION. DAS TO BE PROVIDED AND INSTALLED BY UNIVERSITY OF KENTUCKY IT. CONTRACTOR TO PROVIDE 5' x 5' BOX MOUNTED TO STRUCTURAL MEMBER AT 20" AFF AND 1-1/4" CONDUIT DAISY CHAINED BETWEEN ALL BOXES.
- S43 WALL MOUNTED WAP'S AROUND THE PERIMETER OF TRACK ROOM TO BE INSTALLED AT 10' AFF. (TYP)
- S44 WAP INSTALLED IN MDE TO MOUNT DIRECTLY TO 5'x5' BOX WHICH WILL BE MOUNTED AT THE HEIGHT OF LOWEST CEILING MOUNTED DEVICES IN THE ROOM.

ELECTRICAL SYSTEMS NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERS IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- E THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- F CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.



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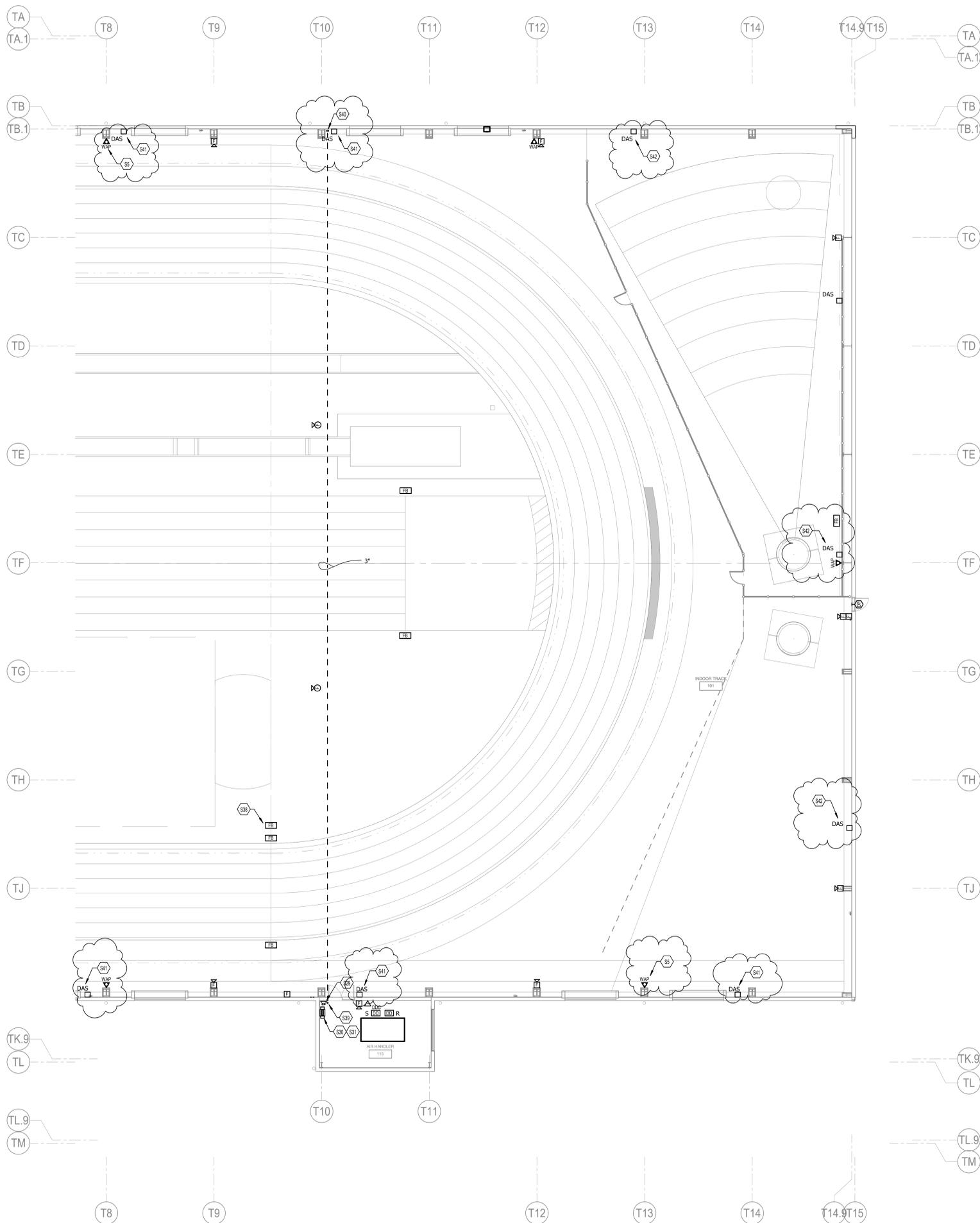
ELECTRICAL

PROJECT	202258	
DATE	10.25.22	
REVISIONS		
No.	Description	Date
3	ADDENDUM 2	12/1/2022

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FIRST FLOOR SYSTEMS PLAN - AREA A

E-401



1 FIRST FLOOR SYSTEMS PLAN - AREA B
3/32" = 1'-0"

TAGGED NOTES

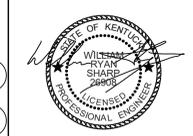
- S5 WIRELESS ACCESS PORT (WAP) LOCATION. WAP TO BE PROVIDED AND INSTALLED BY UNIVERSITY OF KENTUCKY IT. CONTRACTOR TO PROVIDE 5"x5" BOX ATTACHED TO STRUCTURAL MEMBER. PROVIDE SINGLE GANG MUD RING AND SINGLE CONNECTOR FACERLATE. PROVIDE CAT 6A CABLE AND CONNECTOR FOR EACH LOCATION. (TYPICAL)
- S29 PROVIDE TELECOMMUNICATION GROUND BUS. BOND TO MAIN TELECOMMUNICATION GROUND BUS.
- S30 PROVIDE TWO (2) 2" CONDUITS TO MDF WITH 12 STRAND SINGLE MODE (SM) FIBER AND 12 STRAND OM4 FIBER. INSTALL PER UK IT STANDARDS.
- S31 PROVIDE TELECOMMUNICATION WALL RACK. RACK TO BE GREAT LAKES MODEL GL36WMM-B-AF, OR EQUAL. INSTALL PER UK IT STANDARDS.
- S38 REFER TO SHEET E-403 FOR FLOOR BOX SYSTEMS REQUIREMENTS.
- S39 PROVIDE SPARE 3" CONDUIT WITH PULL STRING TO OPPOSITE (PLAN NORTH WALL) FOR FUTURE TELECOMMUNICATION CABLING.
- S40 3" CONDUIT TO BE STUB-UP AND BE CAPPED ABOVE FLOOR FOR FUTURE ACCESSIBILITY.
- S41 DAS REMOTE LOCATION. DAS TO BE PROVIDED AND INSTALLED BY UNIVERSITY OF KENTUCKY IT. CONTRACTOR TO PROVIDE 5" x 5" BOX MOUNTED TO STRUCTURAL MEMBER AT 20' AFF AND 1-1/4" CONDUIT DAISY CHAINED BETWEEN ALL BOXES.
- S42 DAS REMOTE LOCATION. DAS TO BE PROVIDED AND INSTALLED BY UNIVERSITY OF KENTUCKY IT. CONTRACTOR TO PROVIDE 24" x 24" BOX MOUNTED TO STRUCTURAL MEMBER AT 20' AFF AND 1-1/4" CONDUIT DAISY CHAINED BETWEEN ALL BOXES.

ELECTRICAL SYSTEMS NOTES

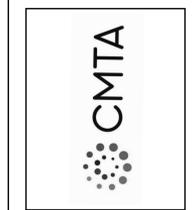
- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- E THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- F CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.



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859.252.6781



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No.	Description	Date
3	ADDENDUM 2	12/1/2022

ELECTRICAL	
PROJECT	202258
DATE	10.25.22

FIRST FLOOR SYSTEMS PLAN - AREA B

E-402
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UNIVERSITY OF KENTUCKY

Purchasing Division

Written Questions and Answers

CCK-2669-23
Construct Indoor Track

UK Indoor Track

Addendum #2 - Q & A

Trade Category	No	Question	Answer
ALL	1	Exhibit I – Prevailing wage agreement states we must use prevailing wage. General Conditions Article 51 states that prevailing wage is not required. Please clarify if prevailing wage is a requirement.	Prevailing wage is NOT required - please disregard any mention of prevailing wages.
ALL	2	Is BIM a requirement for this project? If so, please issue the specifications for BIM.	BIM will not be a requirement of this project.
ALL	3	Is the schedule 320 days or 946 days to substantial completion? Specs list both.	Substantial completion will be 320 days from award. The binding schedule will be the CM schedule published in the bid manual
ALL	4	Special Conditions Art. 42 mentions an \$20M Inland Marine Policy ? This will not be required correct? Previous projects this requirement has been omitted.	Inland Marine Policy will not be required on this project.
TC-A	5	There is an item in the TC-A scope of work for the sewer tap fee. We are not familiar with the process of paying for this and what is required as far as submittals to acquire this permit. Can you provide information regarding these concerns? Please consider an allowance for this item as it may be difficult to nail down an accurate cost to plug into our bid.	TC-A is no longer responsible for the sewer tap fee - This was transferred to TC-M. Revised Tap Fee to be provided as part of Add #2.
TC-A	6	In the TC-A scope of work is "site signage". Can you tell me what signs are to be included and where they can be found on the plans?	The reference to site signage can be disregarded. There is no site signage required.
TC-A	7	Sheet C-201 (*special note) states that fat clay within 36" of FFE shall be removed and replace and also that fill for the building pad should be low plasticity or DGA. Can you make an allowance for undercutting and removal from site of fat clay and also for hauling in low plasticity clay if the on site soils from the retention basin that would be used for fill in the pad do not qualify for as lean clay? We have no way of quantifying this work and it would be purely a guess and the Geotechnical report does not guarantee it's findings anyway and is offered for information only. According to the Geotechnical report there is some fat clay on the site.	Bidders shall include a \$200,000 allowance in their bids for potential undercut and replacement of fat clay with lean clay, quarry screenings or DGA beneath the building slab. Undercut and replacement quantities must be documented to the Construction Manager in order to apply unit costs against the allowance. Unit costs must be included with bids for undercut, haul undercut material off-site, import & installation of lean clay, import & installation of quarry screenings and import & installation of DGA. Unit costs may be used for additions and deletions of work. Fills must be made in 6-8" compacted lifts and moisture levels must be managed for proper compaction. Entire fill must be made of the same material. If the first lift consists of lean clay, subsequent lifts cannot consist of screenings and vice versa.
TC-A	8	Erosion control is in TC-A, that's clear. Included in this scope is a concrete washout pit. The main trade using this pit will be the TC-B Concrete trade contractor. Will it be his responsibility to clean out this pit as needed and haul off the spoils or will that be the responsibility of TC-A?	TC-A is responsible for ALL erosion control with the exception of the concrete wash-out pit. This will be provide, installed and maintained by TC-B
TC-B	9	Sheet S-303, D/S-303 is calling out for alternate #3. According to the alternate description list in the specs. It seems to me that this would be alternate #2. Please confirm.	Detail D/S-303 is for alternate #2.
TC-B	10	The head condition of the interior throwing cage vertical members is described as "diagrammatic only". Please provide the designed connection detail for the vertical member.	1. PEMB supplier shall design and provide connection detail, once it has been approved.
TC-B	11	Pier type 3 is listed as "not used" on the pier schedule (C/S302), but this pier type is indicated on S205 on line intersections TK.9/T11 & TK.9/T10. Please clarify.	These piers shall be revised in upcoming addendum to be P6 in lieu of P3.
TC-B	12	Sheet C-101, removable bollards (note 14) – what is the basis of design? Please provide a detail of the required removable bollard.	Already answered in Addendum #1
TC-B	13	Specification 129300 list bicycle racks and waste containers. These items do not appear on the site plan. Please clarify the intent/quantity to be provided.	No bicycle racks or waste containers are included in this project.
TC-B	14	Are historical geotech reports available? Specifically borings & soundings as shown for 2001/2010 reports.	No, a current report is available, prepared by S&ME.

TC-B	15	Spec Section 321443, A. "Concrete Unit Pavers". Please provide the manufacturer, style, and finish of existing pavers.	The existing pavers are Hydrabric II by Reading Rock, color Ottawa Creek II. The intent is to mix in the salvaged pavers with new pavers to complete all new areas of pavers. The intent is not to take up all existing pavers and mix them in with new pavers.
TC-B	16	C-101, Note #16, will "salvaged" paver areas require new stone base layers or will the existing be salvaged as well?	Existing stone base from pavers that were salvaged during demolition may be re-used if it is clean of dirt and debris. If not, the stone base should be replaced with stone as shown in detail F/C-301.
TC-B	17	C/C-301 & D/C-301, please clarify if #4 dowels are located at adjacent pavements only, or at all expansion joints.	Dowels are only necessary at adjacent pavements, not all expansion joints.
TC-B	18	C/C-301 & D/C-301, can tooled joints be used in lieu of or combined with sawn control joints?	Tooled joints may be used in lieu of sawn control joints, but tooled and sawn joints should not be combined in the same area. Each continuous expanse of sidewalk or pad should be consistent.
TC-B	19	Sheet C101 item tag #9 indicated that curb under ornamental fence is to be removed where applicable. What is the criteria for determining if the curb is to be removed?	Any curb beneath a fence designated for removal should be removed.
TC-B	20	Sheet C-101, Note 10 – pair of 12' gates (8' HT) – ornamental steel to match fence. Is this in our package? If so, can we get some photos and more detail of the fence for these gates?	This was partially answered in Addendum #1, CARMAN provided more detail about the product. This work is included in TC-B scope of work.
TC-B	21	Please provide PEMB shop/fabrication drawings.	Drawings will be provided for coordination once complete.
TC-B	22	Please provide design details depicting the cross-member framing assembly for interior throwing cage.	This detail will be coordinated following the completion of the PEMB shop drawings.
TC-B	23	Which party is responsible for providing and installing the Supplemental Framing Beam material? (Refer to B/S202) Is the responsible party also providing the beam for the "Future" throwing cage area?	The supplemental framing is to be provided by the PEMB manufacturer. Installation and the party responsible for installation is means and methods and not by the design team. The future beams are not in this set of contract documents. PEMB roof framing is being designed for loading to allow for a second throwing area, identical to the first, to be installed in the future at the discretion of the T&F head coach.
TC-B	24	Which party is responsible for providing and installing the "Connection to Brace" angle and bolts attaching to the Supplemental Framing Beam? (Refer to B/S202)	Connection to be designed by PEMB supplier. Means and methods are not to be determined by the design team.
TC-B	25	Is the track floor design being revised to include a recessed condition for any portion of the track structure frame? If so, please provide details depicting the extent of recessed areas. If floor recesses occur, please provide a revised floor flatness plan to indicate flatness requirements throughout.	Yes - The recess is defined by Addendum #2
TC-B	26	Addendum #1 sheet C-101 included items 28 and 29 for the demolition and construction of site walls. Please confirm which TC is responsible for demolition and construction of walls.	TC-B shall include work associated with Items 28 and 29. Any other work added in Add #1 Sheet C-101 shall be assigned to TC-B.
TC-B	27	TC-I and TC-B each have dumpster pulls included in the scope of work. Is this intended for both TCs provide for dumpsters?	Yes - these trades are on site at different times so dumpster pulls is required for both.
TC-B	28	TC-A & TC-B, scope item #1. Which Trade Contract shall be responsible for surveying and benchmarks?	As defined by the bid manual - each trade is responsible for their own surveying and layout
TC-B	29	TC-B, scope item #23. Generally, anchors are provided by PEMB building contractors, to be installed by concrete contractors. Is there another reason for TC-B to supply the anchors? If TC-B is to provide the PEMB anchors, please provide specifications, sizing, layout, details, and/or shop drawings from the PEMB engineer. Can anchors be post-installed in lieu of cast-in-place?	Anchor rods are to be provided by the TC-B as defined by the Bid Manual. Anchor rods shall be sized in accordance with Detail L-S301. Final layout and bolt pattern for each column shall be coordinated with the PEMB contractor following completion of shop drawings. Anchors may not be post-installed.
TC-B	30	TC-B, scope item #23. Is TC-B is to provide the PEMB anchors <i>only</i> , or will anchors for steel columns (S-501) also be provided by TC-B?	TC-B will ONLY provide anchor rods for the PEMB. Anchor rods for the conventional structure will be provided by the steel fabricator.
TC-B	31	Please provide PEMB shop drawings.	The design is currently in process - These will be made available for coordination as soon as they are complete but it is unlikely this will occur prior to the bid date.
TC-B	32	Foundation wall and slab insulation. TC-I "Gyp" has div 7 insulation, but no specific scope note regarding sub-slab insulation. Please clarify which TC is providing and installing sub-slab insulation	TC-B shall provide and install the 2" Rigid insulation as defined by spec section 072100

TC-B	33	Site Logistics (updated per Add #1) is a screenshot and "Not To Scale" (1"=30' shown.)	Correct - It is only intended to be used schematically. Refer to scaled site plan for any needed dimensions.
TC-B	34	Requirements Common to all Work Categories section B. item #6 references relocation of Alumni Drive and FEMA management. Is this information relevant to this project?	Disregard this reference to FEMA work.
TC-B	35	Requirements Common to all Work Categories section F item #14 references a "general trades" contractor responsible for trash hopper management. Under which TC do the general trades responsibilities lie?	This will be amended in Add #2. There is no General Trades contractor. Each trade will be responsible for depositing their debris in the dumpster.
TC-B	36	TC-A is responsible for undercutting and replacing unsuitable subgrade that occurs under the slab, whereas TB-B is responsible for undercutting and replacing unsuitable subgrade under foundations. Is this the intended interpretation?	Yes - also, it is possible that small amounts of rock may be encountered in some foundation excavations - the removal of this rock is also included in the scope of TC-B
TC-B	37	Band storage addition is Alternate #1, correct? Some bollards will be added in the alternate for me, correct?	Alternate #1 is Band Storage. Bollards for Band Storage are shown on A-102 First Floor Plan Callouts – Area A, A-121 First Floor Dimension Plan – Area A, Enlargement: Bid Alternate – Band Storage on C-101 Site Layout Plan.
TC-B	38	Bollards are indicated to bear on DGA base. Is the design intent to have the interior cage posts also bear on 6" of aggregate stone? (N/S301)	Bollards to bear on concrete footing per 1/ C-301
TC-B	39	Sheet C101 item tag #10 adjacent to promenade– Is this gate intended to be a part of the Promenade alternate, or is it considered base scope?	Gate is part of base bid.
TC-B	40	Is the interior throwing cage assembly intended to be delegated design? If so, are accommodations for thrower safety, (e.g. object arresting netting inside the fence) to protect from ricochets, errant throws, etc. intended to be included in the design, or will this system be provided and installed by the owner?	Chainlink fence is delegated by specifications and drawings. Chainlink fence will be installed by contractor. Owner does not intend to install netting inside the fence.
TC-D	41	In specification (055000) – it also has the catch all Misc steel trim. Please clarify and provide a detail of what is required for this trim?	Disregard reference to "steel trim". Div 05 will only be responsible for items explicitly tagged with the 055000 designation.
TC-F	42	In specification (055000) – it is calling out for downspout boots. What model and or size should we quote? Hope this is in the site or plumbing package. If not, please provide more detailed information.	TC-F shall have the downspout boots - See Add #2 for specified product.
TC-F	43	Clarify which TC has the downspout boots.	TC-F shall have the downspout boots - See Add #2 for specified product.
TC-G	44	For hardware set #AC01, under the electrified hardware: what is the "Request To Exit" (RTE) device and who is to supply it?	AC01 does not list a Request to Exit device. System Function states - Door is not a required exit. Free ingress into restroom. Door is normally locked against egress to Corridor and actuator inside restroom is normally disabled. Electric strike can be locked/unlocked upon signal from access control system. When locked against egress to Corridor, presenting valid card releases electric strike. During unlock period, actuator inside restroom is enabled to open door. Actuator inside Corridor is always enabled to release electric strike and open door.
TC-G	45	For hardware set #CK03, under the electrified hardware: a 24vdc electric strike is the only item listed (no model number), is there to be a "Door Position Switch" and "Request To Exit" devices as well? If so, who is to supply these?	CK03 does not have a Door Position Switch and Request to Exit. The Contract Hardware Supplier is to provide (1) SFIC Permanent Core. The Wire Mesh Partition Supplier is to provide the wire partition lockset, electric strike, and balance of hardware. System Function states - Free egress. Door is normally locked (not powered); ingress by card or key.
TC-H	46	TC-G scope item #1 and TC-H scope item #15 seem redundant regarding lite glazing. Please clarify which TC is responsible for lite glazing.	Add #2 corrected this item - TC-H shall provide the glazing.
TC-I	47	TC -I scope item #17 and TC -H scope item #10 appear to be redundant regarding the break metal at the head and sill of the windows. Please clarify which TC owns the supply and install.	All blocking and break metal around windows and doors is by TC-I. TC-H shall have any breakmetal required for proper flashing of windows and curtainwall.
TC-I	48	Please confirm that all blocking at and around windows and doors is by TC- I	Correct - all blocking and break metal around windows and doors is by TC-I
TC-M	49	The plumbing scope clearly says to include the sewer tap fee but I don't see any mention of the water tap fee. Should a water tap fee be included?	We have confirmed with KAWC - No water tap fee will be required.

TC-M	50	The plumbing drawings are not drawn to Kentucky code in regard to floor drain venting. Kentucky code requires individual venting of floor drains. Should the venting be added or should we price the job the way it is drawn?	All plumbing sanitary and vent shall be installed per the Kentucky Plumbing Code. Floor drains in the mechanical rooms may utilize a manufactured vent so there shall be one 4 inch vent for the 3 floor drains. Each FD in the Track Cleaner and Training rooms shall be vented with a full size vent. Each floor drain shall include a code required trap.
TC-M	51	Detail 1 on P-401 shows a 4" water service and backflow preventer. Plumbing plan P-202 shows a 2" service. I believe the 2" service is correct, can you please confirm?	The domestic water service shall be 2".
TC-M	52	On Overall Plumbing Plan P-201 note 11 says to refer to Overall Plumbing Plan for continuation of the underground natural gas piping. This is obviously a mistake but I also can't find any natural gas on the civil plan. The plumbing scope says the mechanical contractor is responsible for the natural gas in its entirety, but a location for the intended tie-in will be needed. Is there a drawing showing this and if not can a drawing be provided?	Note 11 on P-201 – Should refer to Mechanical site plan MU-101. Refer to Note P10 on sheet MU-101 for natural gas connection which occurs at the back of the site on an existing gas main.
TC-M	53	On P-202 An FD-1 is labeled in Air Handler Room 114 & 115. The drains are not shown and there is no piping shown below or above ground. I assume these drains are necessary for the unit condensate. Can a drawing be provided for this?	Floor drains in these mechanical rooms shall be connected to a 3" pipe and be routed underground to an 8 inch storm line shown on C-201. Provide a backwater valve.
TC-M	54	I don't see a water meter shown anywhere for the domestic water service, should one be included and if so where should it be located?	Water meter shall be located at valves shown on the site plan. Final meter location shall be coordinated with the site civil plans so the meter and post indicator valve are located outside of the paved area. Water meter shall be located in a KAWC Approved meter pit with a manhole cover. Piping shall be shifted plan south to be in landscaping and cross the drive at a 90 degree angle.
TC-M	55	E301 Note E8 – All work with the condensing unit is to be priced as alternate. Please clarify which alternate. If CU-1 and CU-2 is to be in Alternate #1 please clarify what is to be in Alternate #5.	Condensing units are associated with the acceptance of mechanical cooling alternate (as associated with Air Rotation Units).
TC-M	56	On P201 and P202, it does not show where to tie in Floor Drains to at rooms 114 and 115.	Refer to Addendum #2 plumbing drawings.
TC-M	57	Div. 23 HVAC lists spec section 142100- MRL Teaction Elevators? Clarify this is not in our scope for TC M.	Correct - disregard any mention of elevators.
TC-M	58	Which TC is providing the concrete mechanical pads? List pads in both TC M and TC B.	TC-B shall provide and install the concrete house keeping pads based on sizes provided by TC-M
TC-M	59	Gas company says they cannot confirm tap fees because they have not seen plans or do not know gas loads. Can gas tap fee be by allowance?	Yes - Refer to Add #2
TC-M	60	Is all interior storm piping to be cast iron as well, no spec on it?	The interior storm piping shall be no-hub cast iron with heavy duty bands per the University of Kentucky Campus Design Standards.
TC-O	61	E-301 Note E23 – All conduit to be painted to match structure. Is painting of the conduit to be carried by Trade Contract L?	Correct - Exposed structure painting shall not be started until the conduit and sprinkler rough-in is complete.
TC-O	62	The TF drawing series reference communication boxes that are recessed in the slab. Are these prefabricated boxes that are encased in concrete? If so, which TC is responsible to provide the prefabricated boxes?	TC-O shall provide the concrete and floor boxes shown on the TF-drawings. Location to be coordinated with track equipment.
TC-O	63	The quantity and dimensioned locations of the recessed comm boxes are not indicated on the Architectural floor plan. Please clarify.	TC-O shall provide the concrete and floor boxes shown on the TF-drawings. Location to be coordinated with track equipment.
TC-O	64	The existing generator is to be serviced and moved to the new location. Does the EC need to provide a temporary generator to service the outdoor track during this process?	Contractor is to coordinate relocation and back-feed of the outdoor track to minimize outage but no temporary generator is needed.
TC-O	65	Can the emergency feed to the outdoor track be bored under the asphalt instead of cutting and patching?	Engineer takes no exception to boring of the emergency feed.
TC-O	66	C-101, note #2 @ n.w. corner of building (see screenshot). It is assumed that this note references the adjacent pad. EU-101 shows this as the location of salvaged generator. Please clarify note and generator pad, if required.	Yes, the coded note #2 in question on C-101 is intended to identify a 4" thick concrete pad under the generator.