Addendum No. 5 **Issued: November 25, 2026**

Project Name:	Pottsgrove High School Facilities & Athletic Improvements ICS Project No. S25009
Project Owner:	Pottsgrove School District 1301 Kauffman Road Pottstown, PA 19464
Construction Manager:	ICS – Scott Kennedy 1400 N. Providence Road Building 2, Suite 4025 Media, PA 19063

BID DUE DATE: ***TUESDAY, DECEMBER 8, 2026 @ 3:00 p.m. (REVISED)***

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated ***October 21, 2026,*** *as noted below. This addendum must be acknowledged on the Bid Form in the space provided for this purpose. Failure to so acknowledge this addendum may subject the Bidder to disqualification.*

1.0 GENERAL INFORMATION:

1.1 This addendum consists of **18 pages** including the following attachments:

- 7 pages of **REVISED** and **REISSUED** Specification Section 33 13 13 "Facility Sanitary Sewers"
- 1 page of **REVISED** and **REISSUED** Drawing M-202 "Mechanical Plan 0 Visitors Side Pavilion"
- 1 page of **REVISED** and **REISSUED** Drawing M-400 "Mechanical Schedules"
- 1 page of **REVISED** and **REISSUED** Drawing EU-101 "Electrical Site Utility Plan – North"
- 1 page of **REVISED** and **REISSUED** Drawing E-201 "Power Plan – Home Side Pavilion"
- 1 page of **REVISED** and **REISSUED** Drawing E-202 "Power Plan 0 Visitors Side Pavilion"

2.0 CHANGES TO PREVIOUS ADDENDA:

2.1 None

3.0 CHANGES TO THE BIDDING REQUIREMENTS, CONTRACT FORMS, & CONDITIONS OF THE CONTRACT:

3.1 Bid due date **CHANGED** from Thursday December 3, 2026 @ 3:00 pm, to Tuesday December 8, 2026 @ 3:00 pm

4.0 CHANGES TO THE SPECIFICATIONS:

4.1 Specification Section 33 13 13 "Facility Sanitary Sewers" **DELETE** in its entirety and **REPLACE** with the revised and reissued Specification Section 33 13 13 "Facility Sanitary Sewers" included as an attachment to this Addendum.

4.2 **MODIFY** Specification Section 10 26 00 “Wall and Door Protection” as follows:

1. Page 1, Part – 1 General
    a. 1.1 SUMMARY, A. Section Includes, ADD the following:
        1) “b. Clear [CG-CL]
2. Page 2, Part 2 – PRODUCTS
    a. 2.2 CORNER GUARDS, ADD the following:
        1) “B. Clear Corner Guards [CG-CL]
            a. Inpro – Clear Corner Guards, #8118 (Basis of Design)
            b. Mount: Fasteners recommended by manufacturer
            c. Leg Size: 1 1/8 inch by 1 1/8 inch
            d. Angle: 90 degrees typical
            e. Height: 8 feet, typical unless noted otherwise

5.0 <u>CHANGES TO THE DRAWINGS:</u>

5.1 Drawing M-202 “Mechanical Plan – Visitors Side Pavilion”, **DELETE** in its entirety and **REPLACE** with the revised and reissued Drawing M-202 “Mechanical Plan – Visitors Side Pavilion”, included as an attachment to this Addendum. Updated unit heaters UH-2 in rooms 213 and 214 to be UH-9. Specifically changing these unit heaters from 480V/3 phase to 208V/3 phase.

5.2 Drawing M-400 “Mechanical Schedules”, **DELETE** in its entirety and **REPLACE** with the revised and reissued Drawing M-400 “Mechanical Schedules”, included as an attachment to this Addendum. Updated unit heaters UH-2 in rooms 213 and 214 to be UH-9. Specifically changing these unit heaters from 480V/3 phase to 208V/3 phase.

5.3 Drawing EU-101 “Electrical Site Utility Plan – North”, **DELETE** in its entirety and **REPLACE** with the revised and reissued Drawing EU-101 “Electrical Site Utility Plan – North”, included as an attachment to this Addendum. Removed Note U22 and scope related for the conduit and fiber run as shown on the site plan. Revised Note U21 to indicate that scope will only require a conduit to a handhole that is shown on plan. Scope from handhole to baseball backstop for conduit and fiber will be future work.

5.4 Drawing E-201 “Power Plan – Home Side Pavilion”, **DELETE** in its entirety and **REPLACE** with the revised and reissued Drawing E-201 “Power Plan – Home Side Pavilion”, included as an attachment to this Addendum. Added Note #23 to indicate the basis of design for the Hand Dryers to meet ADA requirement.

5.5 Drawing E-202 “Power Plan – Visitors Side Pavilion”, **DELETE** in its entirety and **REPLACE** with the revised and reissued Drawing E-202 “Power Plan – Visitors Side Pavilion”, included as an attachment to this Addendum. Added Note #23 to indicate the basis of design for the Hand Dryers to meet ADA requirement. Updated two UH-2 heaters to UH-9 heaters

5.6 **REVISE** Drawing A 8.3 “Details” as follows: DETAIL 14/A8.3, Roof Hatch

1. Add the following dimension from finished floor to top of rafter at ship’s ladder noted:
    a. T.O.S +/- 14’-8”
2. Add the following dimension from finished floor to pivot point at ships ladder noted:
    a. +/- 14’-3” Above Finished Floor, confirm with manufacturer

6.0 PUBLIC BIDDER'S QUESTIONS (WS1-WS2-WS3-WS4):

Below are the questions received during bidding as of November 25, 2026.

6.1 **Question:** Which walls are fire rated, and where are the required fire ratings identified on the drawings?

Response: There is a Fire rated Roof / Ceiling Assembly called out on Detail 2/A4.0, reference Sheet A0.2 for additional info on that assembly.

6.2 **Question:** Are there any plaques on this job that appear in the 101416 spec? None found on plans. Please advise.

Response: There is a plaque at the home side concessions building, refer to Detail 5/A3.1 for plague & size.

6.3 **Question:** Wondering if the wall cabinets in the concessions area are PLAM or if they are stainless to match the tables. Also, could you provide a specific spec for the tables and the wall cabinets (if needed). The 11400 spec does not call out a specific product.

Response: Section 114000 calls out for Advanced Tabco as Basis-of-Design, Advanced Tabco model numbers are called out on Sheet A5.1.

6.4 **Question:** Can we substitute a stretch face for the 12' diameter logo on 2/A3.0? This will enable us to have a one-piece face versus several panels. It is the most common methods for light cabinets of this size. The other two cabinets are only 5' in diameter and a single polycarbonate face would in one piece.

Response: Yes, a "stretch face" will be acceptable.

6.5 **Question**: The specs call for ¼" polycarbonate. This thickness is non-standard and hard to source. Can we substitute the more common 3/16" thickness? It is all that is really needed for this purpose.

Response: Yes, 3/16" is acceptable.

6.6 **Question:** Do you know the size for the plaque?

Response: Refer to Detail 5/A3.1 for plague & size.

6.7 **Question:** Is the water spray test required for the Aluminum (084113)?

Response: There is a spray test in the Aluminum-Framed Entrances and Storefront spec, alternatively though we will typically have a contractor perform their own testing with the architect present to ensure there is no leakage or penetrations in the storefront.

6.8 **Question:** Is the only damp proofing at the retaining wall by the site contractor? Detail 3a/a8.3?

Response: All work, including damp proofing, will be done by site contractor at the site walls indicated with gray hatch.

6.9 **Question:** I noticed in the spec for hand dryers that it only mentioned Basis of Design Product: "By EC". I am "assuming" that means electrical contractor. Can you please tell me what hand dryers you are looking for in this project?

Response: See Note #23 on revised drawing E-201 and E-202.

6.10 **Question:** Dwg EU-101 Note U16 has the EC intercepting and extending an existing conduit and feeder from the Baseball Backstop. However Note U21 calling for 4" conduit to existing Baseball Backstop does not specify whether the conduit between the new handhole and Baseball Backstop is existing or new. Please clarify whether the conduit from the handhole to the Baseball Backstop is existing or new. If the conduit from the handhole to the Baseball Backstop is not existing provide a drawing showing the location of the Baseball Backstop in relation to the handhole as it is not currently shown on the drawings.

Response: See revised drawing EU-101.

6.11 **Question:** Addendum 4 Dwg E-800 now shows a 6-Strand fiber run from the Concessions IDF to the Baseball Backstop. Please verify whether this fiber is new and installed under this contract. If the fiber from the IDF to the Baseball Backstop is new provide a drawing showing the location of the Baseball Backstop in relation to the handhole as it is not currently shown on the drawings

Response: Fiber to the baseball backstop is not part of this project. See revised drawing EU-101.

6.12 **Question:** Dwg EU-101 there is a conduit run and handhole on the right side of the drawing with the U22 tag. Note U22 states "PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM RESTROOM BUILDING ELEC RM 212 TO CONCESSION 211 WALL RACK." This note is the same as note U34 and does not seem to apply to the conduit or handhole. Please advise.

Response: See revised drawing EU-101.

6.13 **Question:** Please verify that no concrete pad is required under the bleachers for the site work scope.

Response: All concrete work under the new bleachers is the responsibility of the General Contractor.

6.14 **Question:** Please confirm that the site contractor is not responsible for other contractors' excavation, trench backfill, compaction, or trench pumping.

Response: Correct, each contractor is responsible for their own excavation, trench backfill, compaction, and trench pumping.

7.0 COOPERATIVE PURCHASING BIDDER'S QUESTIONS (WS5):

Below are the questions received during bidding as of November 25, 2026.

7.1 **Question:** Dwg EU-101 Note U16 has the EC intercepting and extending an existing conduit and feeder from the Baseball Backstop. However Note U21 calling for 4" conduit to existing Baseball Backstop does not specify whether the conduit between the new handhole and Baseball Backstop is existing or new. Please clarify whether the conduit from the handhole to the Baseball Backstop is existing or new. If the conduit from the handhole to the Baseball Backstop is not existing provide a drawing showing the location of the Baseball Backstop in relation to the handhole as it is not currently shown on the drawings.

Response: See revised drawing EU-101.

7.2 **Question:** Addendum 4 Dwg E-800 now shows a 6-Strand fiber run from the Concessions IDF to the Baseball Backstop. Please verify whether this fiber is new and installed under this contract. If the fiber from the IDF to the Baseball Backstop is new provide a drawing showing the location of the Baseball Backstop in relation to the handhole as it is not currently shown on the drawings

Response: Fiber to the baseball backstop is not part of this project. See revised drawing EU-101.

7.3 **Question:** Dwg EU-101 there is a conduit run and handhole on the right side of the drawing with the U22 tag. Note U22 states "PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM RESTROOM BUILDING ELEC RM 212 TO CONCESSION 211 WALL RACK." This note is the same as note U34 and does not seem to apply to the conduit or handhole. Please advise.

Response: See revised drawing EU-101.

7.4 **Question:** For the bumper blocks, will a 5" height be acceptable in lieu of the 4.5" height called out on plans / specs? Dimensions of the bumper blocks we would provide would be: 9" Width x 5" Height x 72" Long. Please confirm if this is acceptable for bidding.

Response: Yes, 5" bumper blocks are acceptable.

7.5 **Question:** – It is understood that the site contractor is responsible to provide dumpsters and pay hauling and disposal costs. Can the amount of waste anticipated for the project be provided? There will be various types of dumpsters required for this and will be difficult to put a price in the base bid of a proposal carrying the cost of dumpsters. Can a weekly allowance be provided in lieu of carrying the direct cost in the proposal?

Response: Each contractor will determine these costs.

7.6 **Question:** Can a quantity be provided for the spoils the civil contractor is responsible for that are being generated by other trades? Bidders numbers could vary drastically on this scope item.

Response: Each contractor will determine their own earth moving quantity take offs.

7.7 **Question:** Can suitable soil excavated by other contractors be reused on the project?

Response: Yes, as long as the contractor follows 31-20-00 Earth Moving 2.1 B & C

7.8 **Question:** For track surfacing – Are the lines to be polyurethane or acrylic? Standard is polyurethane

Response: The contractor shall provide acrylic lines.

7.9 **Question:** In the MH-103 detail the red highlighted bubble designates perforated 4" SDR-35 for the underdrain. On the same sheet in the basin details, the arrow labeled J points to the underdrain and in the chart above the letter J is labeled as perforated 6" HDPE. Which underdrain is correct?

Response: Yes, 6" HDPE is acceptable.

7.10 **Question:** Please confirm that the site contractor is not responsible for other contractors' excavation, trench backfill, compaction, or trench pumping.

Response: Correct, each contractor is responsible for their own excavation, trench backfill, compaction, and trench pumping.

7.11 **Question:** Please verify that no concrete pad is required under the bleachers for the site work scope.

Response: All concrete work under the new bleachers is the responsibility of the General Contractor.

NOTE:

- ALL BIDDERS MUST indicate receipt of this Addendum on Page 2 of the Bid Form.
- **No other acknowledgement** is needed or requested to be returned as receipt of Addenda is tracked through the Procore service Addenda are issued through.
- **Addendum No. 6 will be issued by Wednesday 12/2/26 and will include modifications required by the MCCD along with any remaining RFIs.**

END OF ADDENDUM NO. 5

SECTION 33 13 13 - FACILITY SANITARY SEWERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes:

1. Pipe and fittings.
2. Cleanouts.

1.3 SUBMITTALS

A. Product Data: For the following:

1. Pipes and fittings.

B. Coordination Drawings: Show pipe sizes, locations, and elevations. Show other piping in same trench and clearances from sewer system piping. Indicate interface and spatial relationship between manholes, piping, and proximate structures.

C. Field quality-control reports.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Do not store plastic manholes, pipe, and fittings in direct sunlight.

B. Protect pipe, pipe fittings, and seals from dirt and damage.

1.5 PROJECT CONDITIONS

A. Interruption of Existing Sanitary Sewerage Service: Do not interrupt service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary service according to requirements indicated:

1. Notify Engineer no fewer than two days in advance of proposed interruption of service.
2. Do not proceed with interruption of service without Engineer's written permission.

PART 2 - PRODUCTS

2.1 PVC PIPE AND FITTINGS

A. PVC Type PSM Sewer Piping:

1. Pipe: ASTM D 3034, SDR 26, PVC Type PSM sewer pipe with bell-and-spigot ends for gasketed joints.
2. Fittings: ASTM D 3034, PVC with bell ends.
3. Gaskets: ASTM F 477, elastomeric seals.

2.2 NONPRESSURE-TYPE TRANSITION COUPLINGS

A. Comply with ASTM C 1173, elastomeric, sleeve-type, reducing or transition coupling, for joining underground nonpressure piping. Include ends of same sizes as piping to be joined and corrosion-resistant-metal tension band and tightening mechanism on each end.

B. Sleeve Materials:

1. For Plastic Pipes: ASTM F 477, elastomeric seal or ASTM D 5926, PVC.
2. For Dissimilar Pipes: ASTM D 5926, PVC or other material compatible with pipe materials being joined.

C. Shielded, Flexible Couplings:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

   a. Cascade Waterworks Mfg.
   b. Dallas Specialty & Mfg. Co.
   c. Mission Rubber Company; a division of MCP Industries, Inc.

2. Description: ASTM C 1460, elastomeric or rubber sleeve with full-length, corrosion-resistant outer shield and corrosion-resistant-metal tension band and tightening mechanism on each end.

2.3 CLEANOUTS

A. PVC Cleanouts:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

   a. Canplas LLC.
   b. IPS Corporation.

c. NDS.
d. Plastic Oddities; a division of Diverse Corporate Technologies, Inc.
e. Sioux Chief Manufacturing Company, Inc.
f. Zurn Light Commercial Products Operation; Zurn Plumbing Products Group.
g. Or approved equal.

2. Description: PVC body with PVC threaded plug. Include PVC sewer pipe fitting and riser to cleanout of same material as sewer piping. Provide lid and frame per details.

2.4 MANHOLES

A. Standard Precast Concrete Manholes:

1. Description: ASTM C 478, precast, reinforced concrete, of depth indicated, with provision for sealant joints, and in conformance with Municipal Authority requirements.
2. Diameter: 48 inches minimum unless otherwise indicated.
3. Ballast: Increase thickness of precast concrete sections or add concrete to base section, as required to prevent flotation.
4. Base Section: 6-inch minimum thickness for floor slab and 4-inch minimum thickness for walls and base riser section; with separate base slab or base section with integral floor.
5. Riser Sections: 4-inch minimum thickness, of length to provide depth indicated.
6. Top Section: Eccentric-cone type unless concentric-cone or flat-slab-top type is indicated; with top of cone of size that matches grade rings.
7. Joint Sealant: ASTM C 990, bitumen or butyl rubber.
8. Resilient Pipe Connectors: ASTM C 923, cast or fitted into manhole walls, for each pipe connection.
9. Steps: ASTM A 615/A 615M, deformed, 1/2-inch steel reinforcing rods encased in ASTM D 4101, PP; wide enough to allow worker to place both feet on one step and designed to prevent lateral slippage off step. Cast or anchor steps into sidewalls at 12- to 16-inch intervals. Omit steps if total depth from floor of manhole to finished grade is less than 60 inches.
10. Adjusting Rings: Interlocking HDPE rings, with level or sloped edge in thickness and diameter matching manhole frame and cover, and with height as required to adjust manhole frame and cover to indicated elevation and slope. Include sealant recommended by ring manufacturer.
11. Grade Rings: Reinforced-concrete rings, 6- to 9-inch total thickness, with diameter matching manhole frame and cover, and with height as required to adjust manhole frame and cover to indicated elevation and slope.

B. Manhole Frames and Covers:

1. Description: Ferrous; 24-inch ID by 7- to 9-inch riser, with 4-inch- minimum-width flange and 26-inch- diameter cover. Include indented top design with lettering cast into cover, using wording equivalent to "SANITARY SEWER."
2. Material: ASTM A 536, Grade 60-40-18 ductile iron unless otherwise indicated.

C. Inside Drop Bowl:

1. Provide inside drop bowl where required on Drawings per Municipal Authority requirements (or approved equal).

2.5 CONCRETE

A. General: Cast-in-place concrete complying with ACI 318, ACI 350/350R, and the following:

1. Cement: ASTM C 150, Type II.
2. Fine Aggregate: ASTM C 33, sand.
3. Coarse Aggregate: ASTM C 33, crushed gravel.
4. Water: Potable.

B. Portland Cement Design Mix: 4000 psi minimum, with 0.45 maximum water/cementitious materials ratio.

1. Reinforcing Fabric: ASTM A 185/A 185M, steel, welded wire fabric, plain.
2. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (420 MPa) deformed steel.

C. Ballast and Pipe Supports: Portland cement design mix, 3000 psi minimum, with 0.58 maximum water/cementitious materials ratio.

1. Reinforcing Fabric: ASTM A 185/A 185M, steel, welded wire fabric, plain.
2. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (420 MPa) deformed steel.

PART 3 - EXECUTION

3.1 EARTHWORK

A. Excavating, trenching, and backfilling are specified in Section 31 20 00 "Earth Moving."

3.2 PIPING INSTALLATION

A. General Locations and Arrangements: Drawing plans and details indicate general location and arrangement of underground sanitary sewer piping. Location and arrangement of piping layout take into account design considerations. Install piping as indicated, to extent practical. Where specific installation is not indicated, follow piping manufacturer's written instructions.

B. Install piping beginning at low point, true to grades and alignment indicated with unbroken continuity of invert. Place bell ends of piping facing upstream. Install gaskets, seals, sleeves, and couplings according to manufacturer's written instructions for using lubricants, cements, and other installation requirements.

C. Install gravity-flow, nonpressure, drainage piping according to the following:

1. Install piping pitched down in direction of flow, at minimum slope of 1 percent unless otherwise indicated.
2. Install piping NPS 6 and larger with restrained joints at tee fittings and at changes in direction. Use corrosion-resistant rods, pipe or fitting manufacturer's proprietary restraint system, or cast-in-place-concrete supports or anchors.
3. Install piping with 48-inch minimum cover.
4. Install PVC Type PSM sewer piping according to ASTM D 2321 and ASTM F 1668.

3.3 PIPE JOINT CONSTRUCTION

A. Join gravity-flow, nonpressure, drainage piping according to the following:
   1. Join PVC Type PSM sewer piping according to ASTM D 2321 and ASTM D 3034 for elastomeric-seal joints or ASTM D 3034 for elastomeric-gasket joints, and according to the requirements of the Municipal Authority.

3.4 CONCRETE PLACEMENT

A. Place cast-in-place concrete according to ACI 318.

3.5 CLEANOUT INSTALLATION

A. Install cleanouts and riser extensions from sewer pipes to cleanouts at grade. Install piping so cleanouts open in direction of flow in sewer pipe.

   1. Install per detail on drawings.

B. Set cleanout frames and covers in concrete pavement and roads with tops flush with pavement surface.

3.6 CONNECTIONS

A. Connect non-pressure, gravity-flow drainage piping to building's sanitary building drains specified in Section 22 13 16 "Sanitary Waste and Vent Piping”.

B. Make connections to existing manhole per (and in the presence of) the Municipal Authority.

3.7 IDENTIFICATION

A. Comply with requirements in Section 31 20 00 "Earth Moving" for underground utility identification devices. Arrange for installation of green warning tapes directly over piping and at outside edges of underground manholes.

   1. Use detectable warning tape over nonferrous piping and over edges of underground manholes.

3.8 FIELD QUALITY CONTROL

A. Inspect interior of piping to determine whether line displacement or other damage has occurred. Inspect after approximately 24 inches of backfill is in place, and again at completion of Project.

1. Submit separate report for each system inspection.
2. Defects requiring correction include the following:

    a. Alignment: Less than full diameter of inside of pipe is visible between structures.
    b. Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.
    c. Damage: Crushed, broken, cracked, or otherwise damaged piping.
    d. Infiltration: Water leakage into piping.
    e. Exfiltration: Water leakage from or around piping.

3. Replace defective piping using new materials and repeat inspections until defects are within allowances specified.
4. Reinspect and repeat procedure until results are satisfactory.

B. Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for leaks and defects.

1. Do not enclose, cover, or put into service before inspection and approval.
2. Test completed piping systems according to requirements of authorities having jurisdiction.
3. Schedule tests and inspections by authorities having jurisdiction with at least 24 hours' advance notice.
4. Submit separate report for each test.
5. Hydrostatic Tests: Test sanitary sewerage according to requirements of authorities having jurisdiction and the following:

    a. Fill sewer piping with water. Test with pressure of at least 10-foot head of water and maintain such pressure without leakage for at least 15 minutes.
    b. Close openings in system and fill with water.
    c. Purge air and refill with water.
    d. Disconnect water supply.
    e. Test and inspect joints for leaks.

C. Leaks and loss in test pressure constitute defects that must be repaired.

D. Replace leaking piping using new materials, and repeat testing until leakage is within allowances specified.

3.9 CLEANING

A. Clean dirt and superfluous material from interior of piping. Flush with potable water.

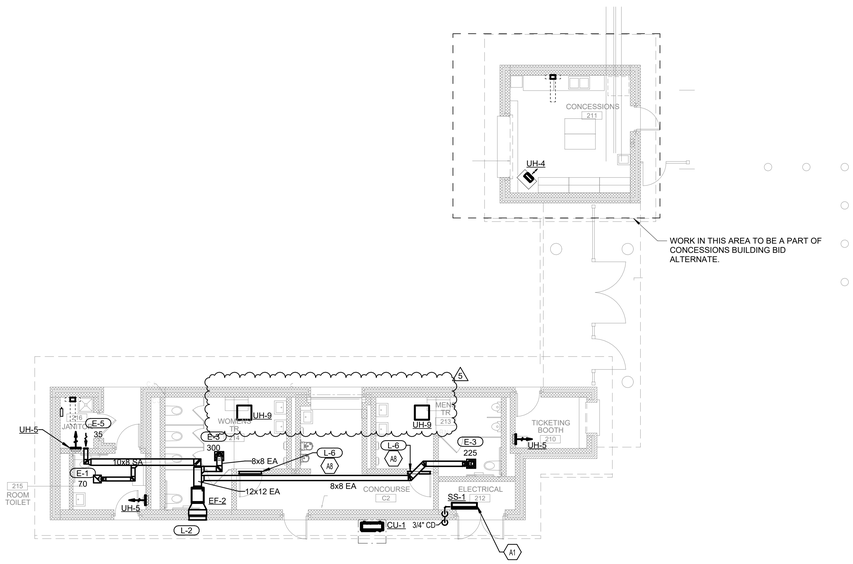
END OF SECTION 33 13 13

TAGGED NOTES

(#)

A1 UNIT TO BE MOUNTED 1'-0" ABOVE DOOR FRAME. CONDENSATE SHALL BE INSTALLED ACCORDING TO MANUFACTURER RECOMMENDATIONS AND ROUTED TO EXTERIOR WALL AS INDICATED. A BUG SCREEN SHALL BE INSTALLED AT THE END OF THE CONDENSATE PIPE.

A8 CONTRACTOR TO MOUNT LOUVER AT WITHIN THE ARCHITECTURAL FRAMING LOCATED ABOVE THE DOOR. COORDINATE WITH ARCHITECTURAL DRAWINGS, SHEET A0.3, FOR EXACT ELEVATION.



MECHANICAL PLAN - VISITORS SIDE
CONCESSIONS AND RESTROOM BUILDING

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

0 2' 4' 8' 16' 24' 32'

STAMP

CONSULTANTS

CMTA
A LEGENCE Company

GODSHALL, KANE O'ROURKE ARCHITECTS, LLC
300 Brookside Avenue
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GKO ARCHITECTS

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026
ADDENDUM 5	11/25/2026

DRAWN BY	JAH
REVIEWED BY	CMR
JOB #	2665

SHEET TITLE

MECHANICAL PLAN - VISITORS SIDE PAVILION

SHEET #

M-202

SCALE	AS NOTED
DATE	11-25-2026

DRAWING SIZE: 30 X 42

AIR HANDLING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL #	UNIT CONFIGURATION	SERVICE	LOCATION	PHYSICAL DATA				SUPPLY FAN															
						WIDTH (IN.)	LENGTH (IN.)	HEIGHT (IN.)	WEIGHT (LBS)	TOTAL SA CFM	MIN. OA CFM	FAN MOTOR TYPE	# OF FANS	FAN RPM	E.S.P. (" WC)	T.S.P. (" WC)	RATED H.P. (PER FAN)	B.H.P. (PER FAN)	VOLT.	PH.	MCA	MOCP	OP. FREQ.	REMARKS
RTU-1	DAIKIN	DPSH105B	PACKAGED ROOFTOP	FACILITIES STORAGE AND WORKSHOP	FACILITIES BUILDING ROOF	85	54	70	1276	1550	325	ECM	1	1781	1.00	1.6	1.7	0.59	480 V	3	45 A	50	60	ALL
RTU-2	DAIKIN	DPSH105B	PACKAGED ROOFTOP	FACILITIES STORAGE AND WORKSHOP	FACILITIES BUILDING ROOF	85	54	70	1276	1675	400	ECM	1	1856	1.00	1.6	1.7	0.67	480 V	3	45 A	50	60	ALL

AIR HANDLING UNIT SCHEDULE - PACKAGED AIR SOURCE

MARK	NO. OF ROWS	FIN SPACING (FINS/IN)	REFRIGERANT	COOLING PERFORMANCE										DX COIL HEATING PERFORMANCE			ELECTRIC HEATING				
				DX COIL								HOT GAS REHEAT COIL									
				TOTAL (MBH)	SENSIBLE (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FACE VELOCITY (FPM)	APD (IN. WG.)	EER	TOTAL CAPACITY (MBH)	LAT (°F)	HEATING CAPACITY (MBH)	EAT DB (°F)	LAT DB (°F)	TOTAL HEATING CAPACITY (MBH)	ELECTRIC CONSUMPTION (KW)	EAT (°F)	LAT (°F)	SCR CONTROL
RTU-1	4	14	R32	55.2	41.7	79	66	53	53	257	0.17	12.2	31.3	72	50.4	70	99.9	61.4	18 W	55	92	Yes
RTU-2	4	14	R32	56.7	43.8	80	66	55	55	277	0.19	12.2	31.5	72	50.6	70	99.9	61.4	18 W	55	89	Yes

AIR HANDLING UNIT SCHEDULE - CONDENSING SECTION

MARK	COMPRESSOR TYPE	COMPRESSOR QUANTITY	REFRIGERANT CHARGE LBS	CAPACITY CONTROL
RTU-1	INVERTER SCROLL	1	12.30	MODULATING CONTROL WITH INVERTER COMPRESSOR
RTU-2	INVERTER SCROLL	1	12.30	MODULATING CONTROL WITH INVERTER COMPRESSOR

AIR HANDLING UNIT SCHEDULE - FILTER SECTION

MARK	TYPE	NO OF FILTERS	WIDTH (IN)	HEIGHT (IN)	FACE VELOCITY (FPM)	PRESSURE DROP (CLEAN) ("WC)
RTU-1	2" MERV 8	4	16	16	236	0.09
RTU-2	2" MERV 8	4	16	16	236	0.09

REMARKS:
1. PROVIDE WITH SINGLE POINT POWER AND DISCONNECT.
2. PROVIDE WITH FACTORY MOUNTED CONTROLS WITH MORNING START UP, ECONOMIZER MODE, AND AN ADJUSTABLE OCCUPIED/UNOCCUPIED TIME SCHEDULE.
3. PROVIDE WITH 4" ROOF CURB.
4. PROVIDE WITH 1 YEAR ATTIC STOCK OF MERV 8 FILTERS.
5. PROVIDE WITH AIR DEFLECTOR HOOD ON TOP OF UNIT TO DELECT AIR AS INDICATED ON M-203.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	TYPE	AIRFLOW (CFM)	E.S.P.	DRIVE	RPM	FAN HP	ELECTRICAL DATA			SONES	REMARKS
										VOLTAGE	PHASE	HZ		
EF-1	GREENHECK	SQ-120-VG	HOME SIDE CONCESSION AND WOMEN'S RESTROOM	INLINE CENTRIFUGAL	1500	0.50	DIRECT	1577	0.50	120 V	1	60	11.3	ALL
EF-2	GREENHECK	SQ-120-VG	VISITOR SIDE RESTROOMS	INLINE CENTRIFUGAL	650	0.30	DIRECT	690	0.50	120 V	1	60	2.2	ALL
EF-3	GREENHECK	CSP-A125	ATHLETIC TRAINER ROOM EXHAUST	INLINE CENTRIFUGAL	100	0.25	DIRECT	980	0.03	120 V	1	60	6.7	ALL
EF-4	GREENHECK	SQ-99-VG	FACILITIES DEPARTMENT BUILDING	INLINE CENTRIFUGAL	550	0.75	DIRECT	1602	0.25	120 V	1	60	11.9	ALL

REMARKS:
1. PROVIDE WITH ALL NECESSARY MOUNTING HARDWARE.
2. PROVIDE WITH SPEED CONTROLLER.
3. PROVIDE WITH MANUFACTURER PROGRAMMABLE TIMER SWITCH.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL #	DIMENSIONS (IN.)			WEIGHT (LBS)	TOTAL COOLING (MBH)	HEATING CAPACITY (MBH)	MINIMUM SEER	ELECTRICAL				REMARKS
			LENGTH	WIDTH	HEIGHT					MCA	MOCP	VOLTAGE	PHASE	
CU-1	LG	ZRUM048GSS0	38	13	28	130	24.0	27.0	13	31 A	40	208 V	1	ALL

SPLIT SYSTEM INDOOR UNIT SCHEDULE

MARK	MANUFACTURER	MODEL #	DIMENSIONS (IN.)			WEIGHT (LBS)	TOTAL COOLING MBH	TOTAL HEATING MBH	AIRFLOW (CFM)	ELECTRICAL		REMARKS
			LENGTH	WIDTH	HEIGHT					VOLTAGE	PHASE	
SS-1	LG	ZRNU243SKSA	40	9	14	29	24.2	27.3	537	208 V	1	ALL

REMARKS:
1. PROVIDE SINGLE POINT POWER CONNECTION AND DISCONNECT.
2. INDOOR UNIT SHALL BE POWERED BY THE OUTDOOR UNIT.

UNIT HEATER SCHEDULE - ELECTRIC

MARK	MANUFACTURER	MODEL #	TYPE	ELECTRICAL			REMARKS
				KW	VOLTAGE	PHASE	
UH-1	REZNOR	EUH-10	WALL MOUNTED	10.0	460 V	3	1, 2, 4
UH-2	REZNOR	ECS-AK7E	FLUSH-MOUNTED CEILING HEATER	5.0	460 V	3	ALL
UH-3	REZNOR	ECS-AK7E	FLUSH-MOUNTED CEILING HEATER	7.0	460 V	3	ALL
UH-4	REZNOR	EUH-5	WALL MOUNTED	5.0	208 V	3	1, 2, 4
UH-5	REZNOR	EHL-AK1E	WALL-MOUNTED FORCED-AIR HEATER	1.0	120 V	1	ALL
UH-6	REZNOR	EHL-AK1E	WALL-MOUNTED FORCED-AIR HEATER	1.5	120 V	1	ALL
UH-7	REZNOR	ECR-AK2	RECESS-MOUNTED CEILING HEATER	2.0	208 V	1	ALL
UH-8	REZNOR	ECS-AK7E	FLUSH-MOUNTED CEILING HEATER	10.0	460 V	3	ALL
UH-9	REZNOR	ECS-AK5	FLUSH-MOUNTED CEILING HEATER	5.0	208 V	3	ALL

REMARKS:
1. PROVIDE WITH UNIT MOUNTED THERMOSTAT WITH LOCKING COVER FOR THERMOSTAT.
2. PROVIDE WITH SINGLE POINT ELECTRICAL POWER AND DISCONNECT.
3. PROVIDE WITH COLOR-MATCHED SURFACE MOUNTING BOX, COLOR TO BE SELECTED BY ARCHITECT.
4. PROVIDE ALL REQUIRED MOUNTING HARDWARE.

LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	DEPTH (IN)	CONSTRUCTION	CFM	WIDTH (IN)	HEIGHT (IN)	FREE AREA (SQFT)	VELOCITY (FPM)	APD (IN. WG.)	BIRD SCREEN	DRAINABLE BLADE	REMARKS
L-1	GREENHECK	EAD-635-44X20	EF-1	6	ALUMINUM	1525	44	20	3.0	559	0.04	Yes	Yes	1
L-2	GREENHECK	EAD-635-28X16	EF-2	6	ALUMINUM	650	28	16	1.1	573	0.04	Yes	Yes	1
L-3	GREENHECK	ESD-635-24X24	FACILITIES BUILDING EXHAUST AIR	6	ALUMINUM	550	24	24	1.8	330	0.01	Yes	Yes	1
L-4	GREENHECK	EAD-401-12X12	ATHLETIC TRAINER ROOM EXHAUST	4	ALUMINUM	100	12	12	0.2	647	0.05	Yes	Yes	1
L-5	GREENHECK	ESD-403-60X12	HOME SIDE MENS AND WOMENS RESTROOM INTAKE	4	ALUMINUM	800	60	12	1.8	438	0.03	Yes	Yes	1,2
L-6	GREENHECK	ESD-403-36X12	VISITORS SIDE MENS AND WOMENS RESTROOM INTAKE	4	ALUMINUM	400	36	12	1.1	367	0.02	Yes	Yes	1,2

REMARKS:
1. COLOR AND FINISH TO BE SELECTED BY ARCHITECT.
2. LOUVER TO BE PROVIDED WITH BUG SCREEN AND GLAZING FRAME.

REGISTERS, GRILLES, AND DIFFUSERS

MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	DUCT INLET SIZE	DUCT BRANCH SIZE	MAX CFM	P.D.	NOISE CRITERIA	THROW PATTERN	REMARKS
E-1	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	6"Ø	8"Ø	100	0.05	25	-	1
E-2	TITUS	50F	ALUMINUM 1/2" EGG CRATE	8"X8"	10"X10"	8"Ø	10"Ø	225	0.04	24	-	1
E-3	TITUS	50F	ALUMINUM 1/2" EGG CRATE	12"X12"	14"X14"	10"Ø	12"Ø	700	0.04	24	-	1
E-4	TITUS	50F	ALUMINUM 1/2" EGG CRATE	14"X14"	16"X16"	12"Ø	14"Ø	975	0.04	24	-	1
E-5	TITUS	350FL	ALUMINUM LOUVERED SIDEWALL	6"X6"	8"X8"	6"x6"	REFER TO PLANS	125	0.03	18	-	1
R-1	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	6"Ø	8"Ø	100	0.05	25	-	1
R-2	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	8"Ø	10"Ø	225	0.05	25	-	1
R-3	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	10"Ø	12"Ø	400	0.05	25	-	1
R-4	TITUS	50F	ALUMINUM 1/2" EGG CRATE	22"X22"	24"X24"	12"Ø	14"Ø	600	0.05	25	-	1
R-5	TITUS	50F	ALUMINUM 1/2" EGG CRATE	24"X12"	26"X14"	24"X12"	24"X12"	1300	0.05	25	-	1
R-6	TITUS	50F	ALUMINUM 1/2" EGG CRATE	8"X8"	10"X10"	8"X8"	8"X8"	300	0.05	24	-	1
S-1	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	24"X24"	24"X24"	8"Ø	10"Ø	225	0.05	25	4-WAY	1
S-1A	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	12"X12"	12"X12"	6"Ø	8"Ø	100	0.05	25	4-WAY	1
S-2	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	24"X24"	24"X24"	8"Ø	10"Ø	225	0.05	25	4-WAY	1
S-2A	TITUS	OMNI-AA	ALUMINUM SQUARE PLAQUE DIFFUSER	12"X12"	12"X12"	8"Ø	10"Ø	225	0.05	25	4-WAY	1
S-3	TITUS	S300FL	ALUMINUM SPIRAL MOUNTED DOUBLE DEFLECTION GRILLE	10"X4"	12"X6"	REFER TO PLANS	REFER TO PLANS	150	0.10	22	4-WAY	1,2

REMARKS:
1. COLOR TO BE SELECTED BY ARCHITECT.
2. PROVIDE WITH FACE MOUNTED BALANCING DAMPER.

DRAWING SIZE: 30 X 42

STAMP

CONSULTANTS

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026
ADDENDUM 5	11/25/2026

DRAWN BY	JAH
REVIEWED BY	CMR
JOB #	2665

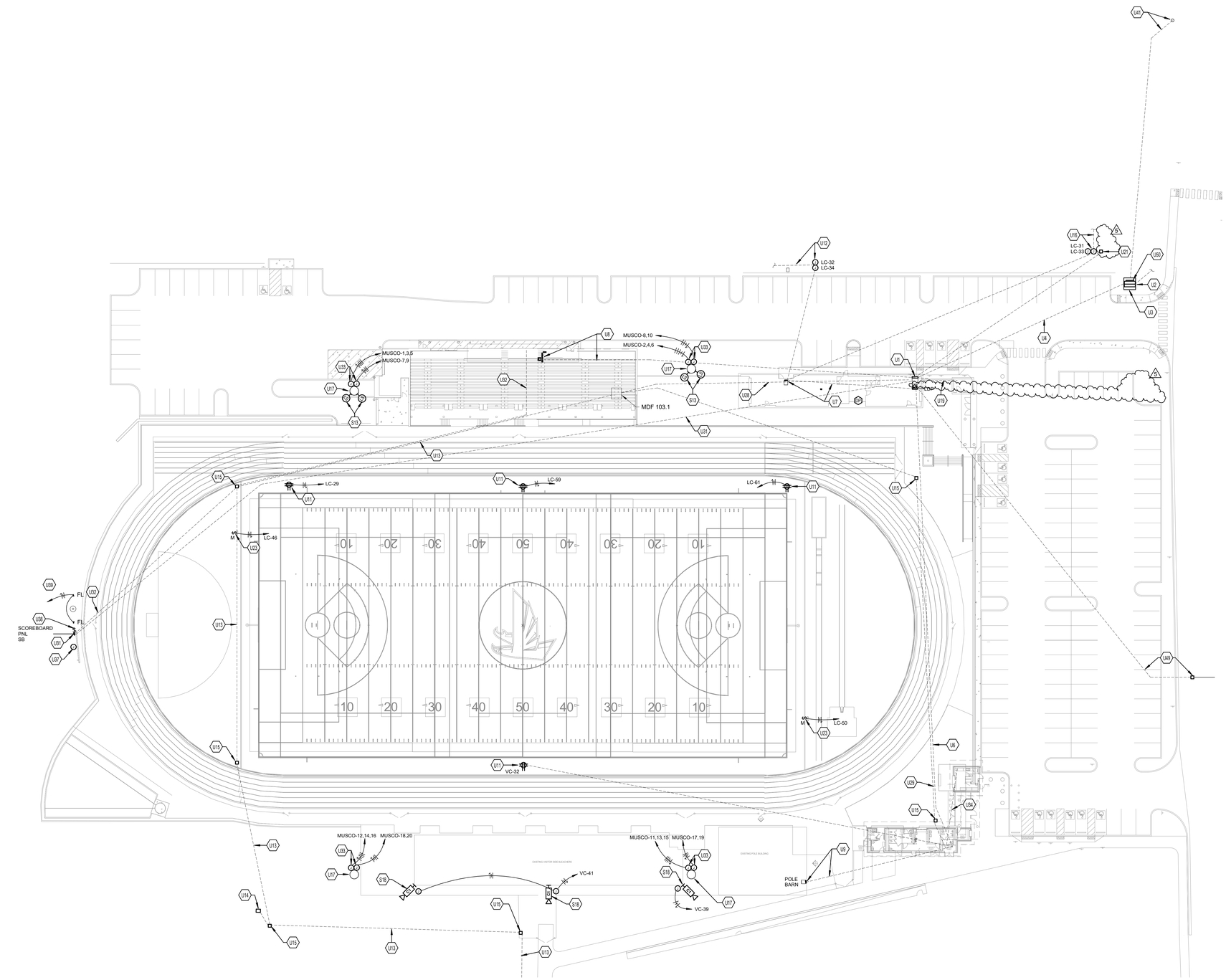
SHEET TITLE

MECHANICAL SCHEDULES

SHEET #

M-400

SCALE	AS NOTED
DATE	11-25-2026



1 SITE UTILITY PLAN - NORTH

SCALE: 1" = 30'-0"

0 15' 30' 60' 90' 120'

UTILITY COMPANY CONTACTS

POWER
EXELON
WO#: 21124609 RICHARD LANG 610.310.9980

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 "BUD (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 "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

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 PLAN(S), 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 DIAGRAMMATIC 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 PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILTY STANDARDS SHALL TAKE PRECEDENCE.

H UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. 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.

I PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND TRANSITIONS TO ABOVE GRADE; EXTEND CONDUIT A MINIMUM OF 6" ABOVE GRADE.

J CONTRACTOR SHALL PERFORM A SMOKE TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACILITY STANDARDS.

K CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

L CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

M COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING AND FENCING, ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR PARKING LOTS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 ANGLES WHERE POSSIBLE.

N PLANNED INTERRUPTION OF ANY SERVICE SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY. THE ARCHITECT, AND THE BUILDING OPERATORS AT LEASTE 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.

O THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.

P THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE 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.

Q 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.

R CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

S THE UTILITY WILL PROVIDE STAKING DATA INCLUDING NORTHING AND EASTING DATA AS REQUIRED OR SHOWN ON DRAWINGS.

T REATTACH ALL TAPS AND TRANSFORMERS AS TO MAINTAIN EXISTING PHASE CONNECTIONS.

U CONTRACTOR RESPONSIBLE FOR MAINTAINING DOWNSTREAM SERVICE FROM REMOVED EQUIPMENT ON SITE, INCLUDING BUT NOT LIMITED TO SITE LIGHTING, TRANSFORMERS, ETC.

V 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 TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

W REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES/FIXTURES/ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON).

X COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

Y COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.

TAGGED NOTES

S13 SOUND SYSTEM SPEAKERS TO BE MOUNTED VIA STRAP SYSTEM TO POLE IN LOCATIONS SHOWN AT 45' AFG. SPEAKERS ARE FURNISHED AND INSTALLED BY OTHERS. CONTRACTOR SHALL PROVIDE 1.5" CONDUIT WITH PULL WIRE FROM SOUND SYSTEM RACK IN MDF 103.1 AND ROUTE INTO LIGHT POLE.

S18 SITE CAMERA BY OTHERS. PROVIDE 120V POWER AT EACH LOCATION AS INDICATED. PROVIDE ONE 6 STRAND SINGLE MODE FIBER OPTIC CABLE TO ELEC RM 212 AND TERMINATE IN CCTV RACK. PROVIDE FIBER OPTIC ENCLOSURE AT CAMERA LOCATION TO TERMINATE FIBER OPTIC CABLING.

U1 600A 480/277V, 3PH, 4W MAIN DISTRIBUTION PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U2 PROVIDE PRIMARY TO UTILITY TRANSFORMER PER PECO'S REQUIREMENTS.

U3 UTILITY TRANSFORMER PER PECO'S STANDARDS. COORDINATE SERVICE SHUTDOWNS AND CONNECTIONS WITH UTILITY AND OWNER PRIOR TO WORK.

U4 PROVIDE SERVICE SECONDARY FROM SERVICE TRANSFORMER TO 600A 480/277V, 3PH, 4W MAIN DISTRIBUTION PANEL. COORDINATE ALL SHUTDOWNS AND WORK WITH PECO AND OWNER. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U6 PROVIDE FEED TO VISITOR SIDE CONCESSION PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U7 PROVIDE FEED TO HOME SIDE CONCESSION PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U8 PROVIDE FEED TO OFFICE PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U9 PROVIDE FEED TO EXISTING POLE BARN PANEL. REFER TO ONELINE FOR ADDITIONAL INFORMATION.

U11 PROVIDE COMBOX CBIT-1830 WITH SYNTHETIC TURF INFILL. MOUNT DUPLEX RECEPTACLE INSIDE BOX IN ACCESSIBLE LOCATION.

U12 MAINTAIN EXISTING HANDHOLE THAT FEEDS EXISTING SCOREBOARD AND ASSOCIATED RECEPTACLES FOR BASEBALL FIELD. INTERCEPT AND EXTEND EXISTING FEEDER AND REROUTE TO PANEL INDICATED.

U13 PROVIDE 4" CONDUIT WITH 6 CELL FABRIC MESH INNERDUCTS AND ROUTE ONE 24 STRAND FIBER OPTIC CABLE FROM SCHOOL TERMINATION POINT TO MDF 103.1 LOCATED IN HOME SIDE BELOW BLEACHERS. COORDINATE ROUTING WITH OWNER FROM MDP LOCATED WITHIN HIGH SCHOOL. REFER TO NOTE U18.

U14 BID ALTERNATE: PROVIDE 12 STRAND SINGLE MODE FIBER OPTIC CABLE TO SOCCER FIELD PRESSBOX. PROVIDE WALL MOUNTED CABINET IN PRESSBOX. REFER TO SPECIFICATIONS FOR REQUIREMENTS. ASSUME 50' ADDITIONAL DISTANCE TO PRESSBOX. CONDUIT SHALL BE ROUTED INTO PRESSBOX AND TERMAINTED IN FIBER OPTIC PATCH PANEL IN WALL MOUNTED CABINET. PROVIDE 120V OUTLET FROM PRESSBOX POWER PANEL TO AND MOUNT AT RACK LOCATION.

U15 PROVIDE 24"X24"X24" DEEP HANDHOLE FOR TELECOM FEEDS.

U16 MAINTAIN EXISTING HANDHOLE THAT FEEDS EXISTING BASEBALL BACKSTOP AND BATTING CAGE RECEPTACLES FOR BASEBALL FIELD. INTERCEPT AND EXTEND EXISTING FEEDER AND REROUTE TO PANEL INDICATED.

U17 APPROXIMATE LOCATION OF MUSCO STADIUM POLE LIGHTS. REFER TO MUSCO DRAWINGS FOR ADDITIONAL INFORMATION.

U19 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM CONCESSIONS BUILDING MECH ROOM 201 TO TICKET BOOTH WALL RACK.

U21 PROVIDE 4" CONDUIT TO HANDHOLE FOR FUTURE TELECOM FEED.

U23 PROVIDE POWER TO PLAY CLOCK.

U28 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE TO CONCESSIONS BUILDING MECH ROOM 201 FROM MDF 103.1 LOCATED IN HOME SIDE BELOW BLEACHERS.

U29 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE TO RESTROOM BUILDING 212 FROM MDF 103.1 LOCATED IN HOME SIDE BELOW BLEACHERS.

U31 PROVIDE NEW POWER PANEL AT SCOREBOARD LOCATION AND MOUNT TO LEG OF SCOREBOARD.

U32 CONTRACTOR SHALL INSTALL OWNER PROVIDED FIBER OPTIC CABLING BETWEEN SCOREBOARD AND PRESS BOX BUILDING. IN PRESS BOX, ROUTE FIBER AND CONDUIT TO SOUND RACK OWNER PROVIDED CABINET. ALL TERMINATIONS ARE TO BE PROVIDED AND INSTALLED BY OWNER.

U33 POWER FOR MUSCO FOOTBALL AND POLE ACCENT LIGHTING. REFER TO MUSCO DRAWINGS FOR ADDITIONAL INFORMATION.

U34 PROVIDE 4" CONDUIT WITH 12 STRAND SINGLE MODE FIBER OPTIC CABLE FROM ELEC 212 TO CONCESSION 211.

U37 SCOREBOARD INSTALLER TO PROVIDE POWER FEED BETWEEN NEW PANELBOARD AND MAKE FINAL SCOREBOARD CONNECTION.

U38 PROVIDE PHOTOCELL MOUNTED ON SCOREBOARD TO AUTOMATICALLY CONTROL FLAGPOLE LIGHTING. PROVIDE LOCKABLE MOTOR RATED SWITCH AHEAD OF PHOTOCELL TO CUT POWER TO CIRCUIT.

U39 MOUNT FLAGPOLE LIGHTS 8' FROM FLAGPOLE PER MANUFACTURER RECOMMENDATIONS. PROVIDE CIRCUIT TO SCOREBOARD PANEL SB FOR FLAGPOLE LIGHTS. REFER TO PANEL SCHEDULE.

U41 PROVIDE TWO SCHEDULE 40 5-INCH PVC PRIMARY DUCT FROM VAULT LOCATION TO TERMINAL POLE. REFER TO PECO ELECTRIC SERVICE REQUIREMENT BOOK FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL SUPPLY AND INSTALL 3-1X1/0 JACKED ALUMINUM 35 KV UNDERGROUND CABLE FROM VAULT LOCATION TO PROPOSED TERMINAL POLE. CUSTOMER TO COIL 50' OF CABLING AT POLE FOR PECO TO INSTALL UP TO THE PRIMARY POSITION.

U49 REFEED EXISTING 20A/3P LIGHTING BRANCH CIRCUIT. PROVIDE NEW HANDHOLE IN THIS LOCATION AND SPLICE CONDUCTORS.

U50 PECO ENERGY TO DELIVER AND SET PECO TRANSFORMER ON CUSTOMER INSTALLED PRECAST VAULT. CONTRACTOR SHALL PROVIDE AND INSTALL A PECO APPROVED CONCRETE PRECAST VAULT. PROVIDE 8 ' X 8' X 5' DEEP TRANSFORMER VAULT ON CRUSHED STONE. SEE PECO ENERGY ELECTRIC SERVICE REQUIREMENT BOOK SECTION 12 FIG 12.12. CONTRACTOR SHALL MAKE ALL TRANSFORMER CONNECTIONS AND UTILIZE 3-35 KV LOAD BREAK ELBOWS ON 1/0 35 KV CABLE. LEAVE SUFFICIENT SLACK INSIDE TRANSFORMER CABINET TO ALLOW PECO ENERGY TO INSTALL CUSTOMER 'S PRIMARY ELBOWS ON PRIMARY BUSHINGS OF TRANSFORMER (MINIMUM 20' SLACK). CONTRACTOR TO INSTALL CURRENT AND POTENTIAL TRANSFORMERS FOR METERING INSIDE SECONDARY COMPARTMENT OF TRANSFORMER AND PROVIDE REGID METAL CONDUIT FROM SECONDARY COMPARTMENT TO APPROVED METER LOCATION. PECO ENERGY TO WIRE CURRENT TRANSFORMERS, POTENTIAL TRANSFORMERS AND SET METER.

STAMP

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 4	11/16/2026
ADDENDUM 5	11/25/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

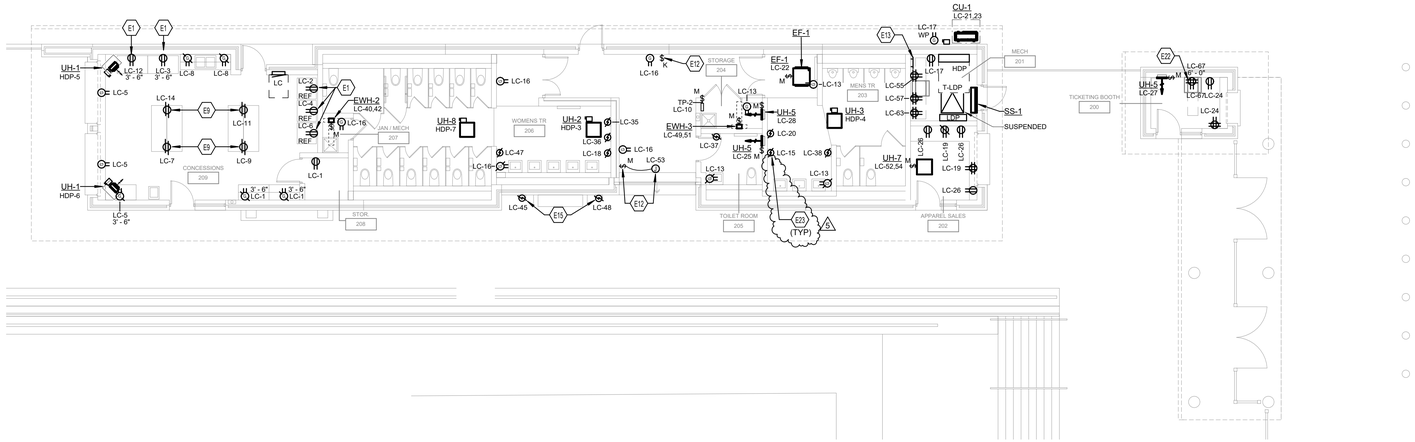
ELECTRICAL SITE UTILITY PLAN - NORTH

SHEET #

EU-101

SCALE	AS NOTED
DATE	11-25-2026

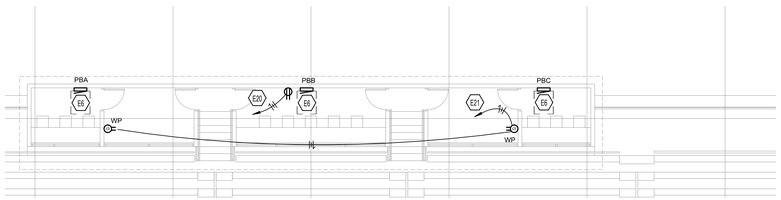
DRAWING SIZE: 30 X 42



POWER PLAN - HOME SIDE CONCESSIONS AND RESTROOM BUILDING

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

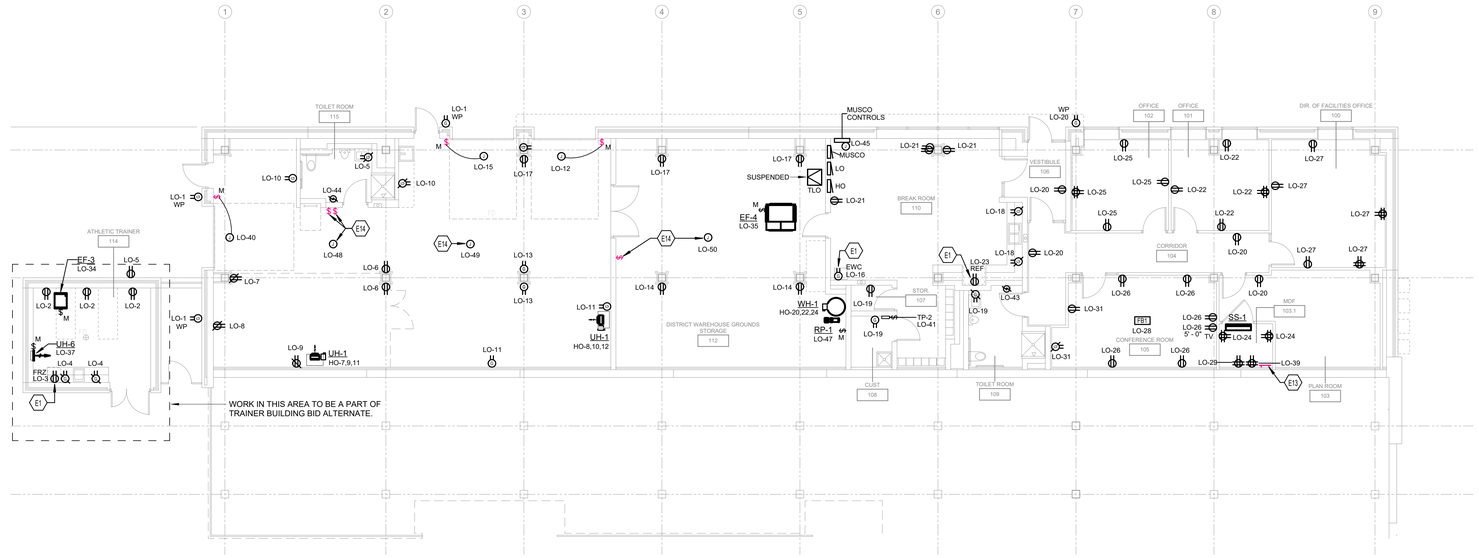
0 2' 4' 8' 16' 24' 32'



POWER PLAN - HOME SIDE BLEACHERS COACHES BOX

2 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'



POWER PLAN - HOME SIDE UNDER BLEACHERS

3 SCALE: 1/8" = 1'-0"

0 2' 4' 8' 16' 24' 32'

TAGGED NOTES

##

- E1 PROVIDE EQUIPMENT WITH A GFCI CIRCUIT BREAKER.
- E6 PRESS BOX PANEL - PROVIDED BY PRESS BOX VENDOR. PROVIDE FEEDER FROM OFFICE PANEL LOCATED IN OFFICE SPACE BELOW. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- E9 PROVIDE CEILING MOUNTED RECEPTACLE FOR HUBBELL CORD REEL HBL2512SGF220M1. WHITE INDUSTRIAL REEL WITH BLACK BOX, GFCI MODULE AND (2) 20A DUPLEX RECEPTACLE, UL TYPE 1, 25FT, #12/3 SJO, 20A, 125VAC. IF A CORD REEL EQUAL IS PROVIDED, REEL AND RECEPTACLE FINISHES SHALL NOT BE YELLOW AND COORDINATED WITH ARCHITECT.
- E12 OVERHEAD DOOR POWER SHALL BE PROVIDED WITH A LOCKABLE NON-REVERSING MOTOR STARTER SWITCH IN PROTECTIVE ENCLOSURE. KEY SWITCH WILL BE PROVIDED FOR CONTROL FOR OVERHEAD DOOR. COORDINATE LOCATION OF SWITCH WITH OWNER PRIOR TO ROUGH-IN.
- E13 PROVIDE TMGB GROUND BAR. REFERT TO SYSTEMS ONE-LINE DIAGRAM FOR REQUIREMENTS.
- E14 PROVIDE POWER FOR OWNER PROVIDED CEILING FAN. COORDINATE LOCATION OF CEILING FAN WITH LIGHTING, CONTROLS, AND FINAL LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
- E15 EXTERIOR HAND DRYER SHALL BE MOUNTED IN NEMA 3R ENCLOSURE WITH OPENING FOR OPERATION OF HAND DRYER.
- E20 PROVIDE DEDICATED CIRCUIT FOR SOUND RACK. TERMINATE 2#12, #12G ON 20A/1P BREAKER IN PANEL PPB.
- E21 PROVIDE DEDICATED CIRCUIT FOR EXTERIOR RECEPTACLES. TERMINATE 2#12, #12G ON 20A/1P BREAKER IN PANEL PPB.
- E22 PROVIDE POWER FOR WALL MOUNTED DATA RACK. COORDINATE FINAL LOCATION WITH DATA RACK PRIOR TO ROUGH-IN.
- E23 BASIS OF DESIGN FOR HAND DRYER IS A 120V THIN AIR BY EXCEL TO MEET ADA REQUIREMENTS. 6

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GKO ARCHITECTS

CONSULTANTS

CMTA
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STAMP

POTTSGROVE HIGH SCHOOL FACILITY AND ATHLETIC IMPROVEMENTS

1345 KAUFFMAN RD, POTTSTOWN, PA 19464

REVISIONS	
BID SET	10/21/2026
ADDENDUM 2	11/06/2026
ADDENDUM 4	11/16/2026
ADDENDUM 5	11/25/2026
DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

POWER PLAN - HOME SIDE PAVILION

SHEET #

E-201

SCALE	AS NOTED
DATE	11-25-2026

DRAWING SIZE: 30 X 42

TAGGED NOTES

##

E1 PROVIDE EQUIPMENT WITH A GFCI CIRCUIT BREAKER.

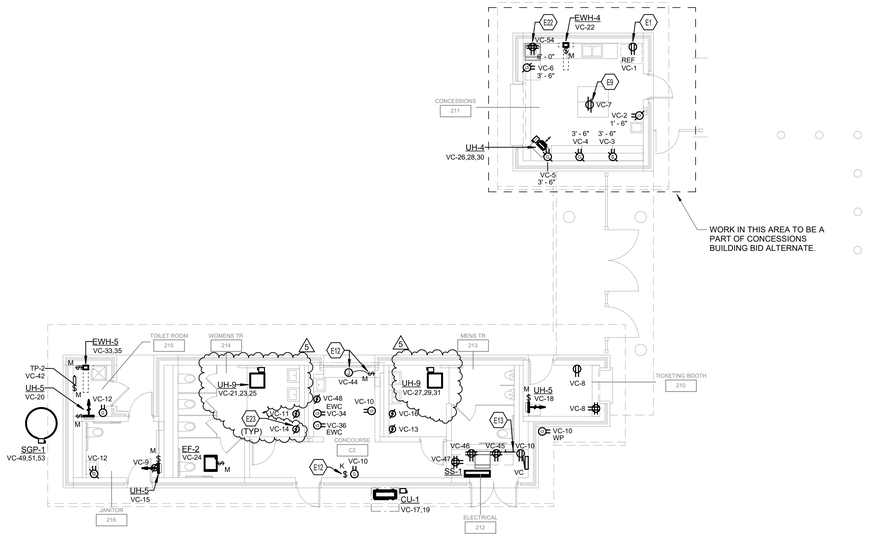
E9 PROVIDE CEILING MOUNTED RECEPTACLE FOR HUBBELL CORD REEL HBL25123GF220M1. WHITE INDUSTRIAL REEL WITH BLACK BOX, GFCI MODULE AND (2) 20A DUPLEX RECEPTACLE, UL TYPE 1, 25FT, #12/3 SJO, 20A, 125VAC. IF A CORD REEL EQUAL IS PROVIDED, REEL AND RECEPTACLE FINISHES SHALL NOT BE YELLOW AND COORDINATED WITH ARCHITECT.

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E22 PROVIDE POWER FOR WALL MOUNTED DATA RACK. COORDINATE FINAL LOCATION WITH DATA RACK PRIOR TO ROUGH-IN.

E23 BASIS OF DESIGN FOR HAND DRYER IS A 120V THIN AIR BY EXCEL TO MEET ADA REQUIREMENTS. (5)



POWER PLAN - VISITORS SIDE CONCESSIONS AND BLEACHERS

1

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

0 1" 2' 4' 8' 12' 16'

DRAWING SIZE: 30 X 42

STAMP

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REVISIONS	
BID SET	10/21/2026
ADDENDUM 5	11/25/2026

DRAWN BY	TRR
REVIEWED BY	RC
JOB #	2665

SHEET TITLE

POWER PLAN - VISITORS SIDE PAVILION

SHEET #

E-202

SCALE	AS NOTED
DATE	11-25-2026