

Addendum 02

DOCUMENT 00 91 00

DATE: January 28, 2026

PROJECT: Arcanum-Butler Local Schools Booster Stadium Phase 3
310 North Main Street
Arcanum, Ohio 45304

PROJECT #: 23047.03

OWNER: Arcanum-Butler Local School District
Contact: John Stephens
2011 Trojan Avenue
Arcanum, Ohio 45304

ARCHITECT: Garmann Miller
38 South Lincoln Drive
P.O. Box 71
Minster, Ohio 45865

TO: Prospective Bidders

This addendum form is a part of the Contract Documents and modifies the Construction Documents dated January 6, 2026, with amendments and additions noted below.

Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may disqualify the Bidder.

This addendum consists of 2 pages, 1 specification section, and 3 re-issued drawing sheets.

FOR INFORMATION ONLY

1. The existing bleachers relocation and new bleacher installation is scheduled to occur Summer/Fall of 2026
2. Hand dryers are indicated on the electrical drawings and in spec section 26 05 76.

CHANGES TO THE PROJECT MANUAL

1. Section 08 16 14
 - a. Reference attached spec section
2. Section 08 36 13
 - a. Changed the Clopay product number from 3720 to 3724.



CHANGES TO THE DRAWINGS

1. Drawing sheet G0.1 Cover Sheet and Code Plan
 - a. Code information updated for A3 occupancy. Maximum allowable area for A3 occupancy is 6,000 SF.
2. Drawing sheet E2.1, Site Electrical Plan:
 - a. The existing weight room building has been shifted on the plans.
 - b. Add two (2) 200A, 120/240V, 1-Phase, 3-Wire, Fused, NEMA 3R disconnects to the exterior of the existing weight room building, disconnects shall be utilized to feed the two existing weight room panels.
3. Drawing sheet E8.1, Electrical One-Line Diagrams and Panel Schedules: Add two (2) 200A, 120/240V, 1-Phase, 3-Wire, Fused, NEMA 3R disconnects to the exterior of the existing weight room building, disconnects shall be utilized to feed the two existing weight room panels.

ATTACHMENTS

The following attachments are included and are part of this addendum:

Specification Sections: 08 16 14

Drawing Sheets: G0.1, E2.1, E8.1

END OF ADDENDUM



**SECTION 08 16 14
FIBERGLASS DOORS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fiberglass reinforced polyester (FRP) flush doors ~~with aluminum frames.~~

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants
- B. Section 08 7100 - Door Hardware.
- C. Section 09 9000 - Painting and Coatings
- D. Division 26 - Electrical
- E. Division 27 - Communications
- F. Division 28 - Electronic Safety

1.03 REFERENCES

- A. AAMA 1503-98 - Thermal Transmittance and Condensation Resistance of Windows, Doors and Glazed Wall Sections.
- B. ANSI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors and Hardware Reinforcings.
- C. ASTM B 117 - Operating Salt Spray (Fog) Apparatus.
- D. ASTM B 209 - Aluminum and Aluminum-Alloy Sheet and Plate.
- E. ASTM B 221 - Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- F. ASTM D 256 - Determining the Pendulum Impact Resistance of Notched Specimens of Plastics.
- G. ASTM D 543 - Evaluating the Resistance of Plastics to Chemical Reagents.
- H. ASTM D 570 - Water Absorption of Plastics.
- I. ASTM D 638 - Tensile Properties of Plastics.
- J. ASTM D 790 - Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
- K. ASTM D 1308 - Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
- L. ASTM D 1621 - Compressive Properties of Rigid Cellular Plastics.
- M. ASTM D 1623 - Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics.
- N. ASTM D 2126 - Response of Rigid Cellular Plastics to Thermal and Humid Aging.
- O. ASTM D 2583 - Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor.
- P. ASTM D 3029 – Impact Resistance of Flat Rigid Plastic Specimens by Means of a Falling Weight.
- Q. ASTM D 6670-01 - Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products.
- R. ASTM E 84 - Surface Burning Characteristics of Building Materials.
- S. ASTM E 90 - Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.

- T. ASTM E 283 - Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
- U. ASTM E 330 - Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
- V. ASTM E 331 - Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
- W. ASTM F 476 - Security of Swinging Door Assemblies.
- X. SFBC PA 201 - Impact Test Procedures.
- Y. SFBC PA 203 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.
- Z. SFBC 3603.2 (b)(5) - Forced Entry Resistance Test.

1.04 PERFORMANCE REQUIREMENTS

- A. General: Provide door assemblies that have been designed and fabricated to comply with specified performance requirements, as demonstrated by testing manufacturer's corresponding standard systems.
- B. Air Infiltration: For a single door 3'-0" x 7'-0", test specimen shall be tested in accordance with ASTM E 283 at pressure differential of 6.24 psf. Door shall not exceed 0.90 cfm per linear foot of perimeter crack.
- C. Water Resistance: For a single door 3'-0" x 7'-0", test specimen shall be tested in accordance with ASTM E 331 at pressure differential of 7.50 psf. Door shall not have water leakage.
- D. Swinging Door Cycle Test, Doors and Frames, ANSI A250.4: Minimum of 25,000,000 cycles.
- E. Swinging Security Door Assembly, Doors and Frames, ASTM F 476: Grade 40.
- F. Thermal Transmission, Exterior Doors, U-Value, AAMA 1503-98: Maximum of 0.29 BTU/hr x sf x degrees F. Minimum of 55 CRF value.
- G. Surface Burning Characteristics, FRP Doors and Panels, ASTM E 84:
 - 1. Flame Spread: Maximum of 200, Class C.
 - 2. Smoke Developed: Maximum of 450, Class C.
- H. Surface Burning Characteristics, Class A Option On Interior Faces of FRP Exterior Panels and Both Faces of FRP Interior Panels, ASTM E 84:
 - 1. Flame Spread: Maximum of 25.
 - 2. Smoke Developed: Maximum of 450.
- I. Impact Strength, FRP Doors and Panels, Nominal Value, ASTM D 256: 15.0 foot-pounds per inch of notch.
- J. Tensile Strength, FRP Doors and Panels, Nominal Value, ASTM D 638: 14,000 psi.
- K. Flexural Strength, FRP Doors and Panels, Nominal Value, ASTM D 790: 21,000 psi.
- L. Water Absorption, FRP Doors and Panels, Nominal Value, ASTM D 570: 0.20 percent after 24 hours.
- M. Indentation Hardness, FRP Doors and Panels, Nominal Value, ASTM D 2583: 55.
- N. Gardner Impact Strength, FRP Doors and Panels, Nominal Value, ASTM D 3029: 120 in-lb.
- O. Abrasion Resistance, Face Sheet, Taber Abrasion Test, 25 Cycles at 1,000 Gram Weight with CS-17 Wheel: Maximum of 0.029 average weight loss percentage.
- P. Stain Resistance, ASTM D 1308: Face sheet unaffected after exposure to red cabbage, tea, and tomato acid. Stain removed easily with mild abrasive or FRP cleaner when exposed to crayon and crankcase oil.

- Q. Chemical Resistance, ASTM D 543. Excellent rating.
 - 1. Acetic acid, Concentrated.
 - 2. Ammonium Hydroxide, Concentrated.
 - 3. Citric Acid, 10%.
 - 4. Formaldehyde.
 - 5. Hydrochloric Acid, 10%
 - 6. Sodium hypochlorite, 4 to 6 percent solution.
- R. Compressive Strength, Foam Core, Nominal Value, ASTM D 1621: 79.9 psi.
- S. Compressive Modulus, Foam Core, Nominal Value, ASTM D 1621: 370 psi.
- T. Tensile Adhesion, Foam Core, Nominal Value, ASTM D 1623: 45.3 psi.
- U. Thermal and Humid Aging, Foam Core, Nominal Value, 158 Degrees F and 100 Percent Humidity for 14 Days, ASTM D 2126: Minus 5.14 percent volume change.

1.05 SUBMITTALS

- A. Comply with Section 01 3000 - Administrative Requirements.
- B. Product Data: Submit manufacturer's product data, including description of materials, components, fabrication, finishes, and installation.
- C. Shop Drawings: Submit manufacturer's shop drawings, including elevations, sections, and details, indicating dimensions, tolerances, materials, fabrication, doors, panels, framing, hardware schedule, and finish.
- D. Samples:
 - 1. Door: Submit manufacturer's sample of door showing face sheets, core, framing, and finish.
 - 2. Color: Submit manufacturer's samples of standard colors of doors ~~and frames~~.
 - 3. Test Reports: Submit certified test reports from qualified independent testing agency indicating doors comply with specified performance requirements.
 - 4. Maintenance Manual: Submit manufacturer's maintenance and cleaning instructions for doors, including maintenance and operating instructions for hardware.
 - 5. Warranty: Submit manufacturer's standard warranty.

1.06 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - 1. Continuously engaged in manufacturing of doors of similar type to that specified, with a minimum of 5 years successful experience.
 - 2. Door ~~and frame~~ components from same manufacturer.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying opening door mark and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finish from damage during handling and installation.

1.08 COORDINATION

- A. Contractor shall be responsible for coordinating and obtaining necessary information from Hardware and Frame manufacturers to provide door supplier with approved hardware and frame schedules with templates.

1.09 WARRANTY

- A. Warrant doors, ~~frames~~, and factory hardware against failure in materials and workmanship, including excessive deflection, faulty operation, defects in hardware installation, and deterioration of finish or construction in excess of normal weathering.
- B. Warranty Period: Ten years starting on date of substantial completion.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Special-Lite, Inc., Decatur, Michigan 49045 www.special-lite.com.
 - 1. Product: Series SL-17 with Speclite fiberglass reinforced polyester (FRP) face sheets..
 - 2. ~~Acceptable Manufacturers.~~
 - a. ~~Assa Abloy, Ceco Door Fiberglass Reinforced Polyester Door (FRP)~~
 - b. ~~Vale FRP Doors, Collingsale, PA: www.valedoors.com~~
 - c. ~~Commercial Door Systems, Mensalem PA: www.commercialdoorsystems.com~~
 - d. ~~Kawneer~~
 - e. ~~Substitutions: See Section 01 6000 – Product Requirements~~

2.02 FIBERGLASS FLUSH DOORS

- A. Door Opening Size: As indicated on the Drawings.
- B. Construction:
 - 1. Door Thickness: 1-3/4 inches.
 - 2. Stiles and Rails: Aluminum Alloy 6063-T5, minimum of 2-5/16-inch depth.
 - 3. Corners: Mitered.
 - 4. Provide joinery of 3/8-inch diameter full-width tie rods through extruded splines top and bottom as standard tubular shaped stiles and rails reinforced to accept hardware as specified.
 - 5. Securing Internal Door Extrusions: 3/16-inch angle blocks and locking hex nuts for joinery.
 - 6. Furnish extruded stiles and rails with integral reglets to accept face sheets. Lock face sheets into place to permit flush appearance.
 - 7. Extrude top and bottom rail legs for interlocking continuous weather bar.
 - 8. Bottom of Door: Install bottom weather bar with nylon brush weatherstripping into extruded interlocking edge of bottom rail.
- C. Face Sheet:
 - 1. Material: SpecLite3 FRP, 0.120-inch thickness, finish color throughout. Abuse-resistant engineered surface.
 - a. Standard face sheets shall be manufactured using a corrosion resistant resin system with light stabilizing additives. The resin shall be reinforced with fiberglass, 40% by weight.
 - 2. Texture: Pebble.
 - 3. Color: As selected by Architect from manufacturers standard color line including premium.
- D. Core:
 - 1. Material: Poured-in-place polyurethane foam.
 - 2. Density: Minimum of 5 pounds per cubic foot.
 - 3. R-Value: Minimum of 9.
- E. Cutouts:
 - 1. Manufacture doors with cutouts for required vision lites, louvers, and panels.
 - 2. Factory install vision lites, louvers, and panels.
- F. Hardware:

1. Hardware Preparation: To be fabricated at factory according to hardware templates provided.
2. Hardware Installation: To factory install all applicable and supplied hardware to doors ~~and frames~~.
3. Hardware Reinforcement: To provide necessary reinforcement for proper longevity and hardware function; ASTM B 209 and/or ASTM 308.

2.03 MATERIALS

- A. Aluminum Members:
 1. Extrusions: ASTM B 221.
 2. Sheet and Plate: ASTM B 209.
 3. ~~Components: Door and frame components from same manufacturer.~~
 4. Fasteners:
 - a. Material: Aluminum, 18-8 stainless steel, or other noncorrosive metal.
 - b. Compatibility: Compatible with items to be fastened.
 - c. Exposed Fasteners: Screws with finish matching items to be fastened.

2.04 FABRICATION

- A. Sizes and Profiles: Required sizes for door ~~and frame units~~, and profile requirements shall be as indicated on the Drawings.
- B. Coordination of Fabrication: Field measure before fabrication and show recorded measurements on shop drawings.
- C. Assembly:
 1. Complete cutting, fitting, forming, drilling, and grinding of metal before assembly.
 2. Remove burrs from cut edges.
- D. Welding: Welding of doors ~~or frames~~ is not acceptable.
- E. Fit:
 1. Maintain continuity of line and accurate relation of planes and angles.
 2. Secure attachments and support at mechanical joints with hairline fit at contacting members.

2.05 ALUMINUM FINISHES

- A. Anodized Finish: Class I finish, 0.7 mils thick.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine areas to receive doors. Notify Architect of conditions that would adversely affect installation or subsequent use.
- B. Do not proceed with installation until unsatisfactory conditions are corrected.

3.02 PREPARATION

- A. Ensure openings to receive frames are plumb, level, square, and in tolerance.

3.03 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions.
- B. Install doors plumb, level, square, true to line, and without warp or rack.
- C. Anchor frames securely in place.
- D. Separate aluminum from other metal surfaces with bituminous coatings.
- E. Install exterior doors to be weathertight in closed position.

3.04 ADJUSTING

- A. Adjust doors, hinges, and locksets for smooth operation without binding.

3.05 CLEANING

- A. Clean doors promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that would damage finish.

3.06 PROTECTION

- A. Protect installed doors to ensure that doors will be without damage or deterioration at time of substantial completion.

END OF SECTION 08 16 14

ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

310 NORTH MAIN STREET, ARCANUM, OHIO 45304

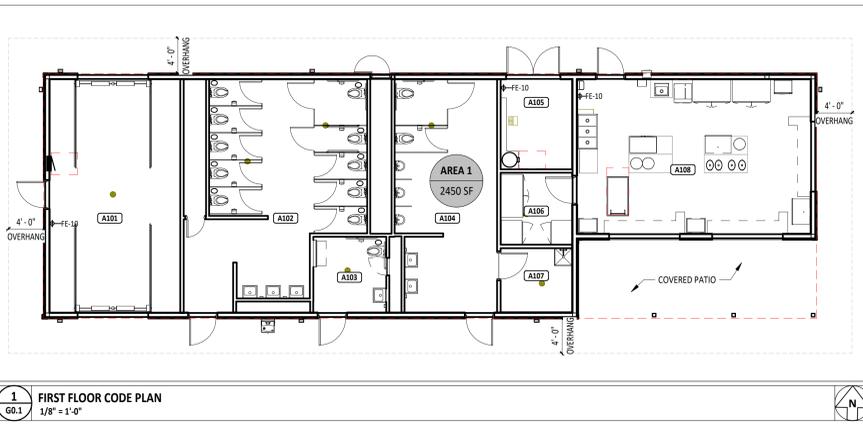
CONSTRUCTION DOCUMENTS

01/06/2026

SHEET INDEX - VOLUME 1	
GENERAL / CIVIL / LANDSCAPE / ARCHITECTURAL / STRUCTURAL / PLUMBING / MECHANICAL / ELECTRICAL / TECHNOLOGY	
SHEET NUMBER	SHEET NAME
GO.1	COVER SHEET
SS.1	SITE SURVEY
SS.2	SITE SURVEY
LD.1	OVERALL SITE PLAN
C1.1	SITE GRADING PLAN
C1.2	SITE GRADING PLAN
C2.1	CIVIL SITE DETAILS
C3.1	STORM WATER POLLUTION PREVENTION PLAN
C3.2	STORM WATER POLLUTION PREVENTION PLAN
C3.3	STORM WATER POLLUTION PREVENTION PLAN
C3.4	STORM WATER POLLUTION PREVENTION PLAN
L1.0	OVERALL SITE PLAN
L1.1	OVERALL SITE PLAN
L1.2	OVERALL SITE PLAN
L2.1	OVERALL SITE PLAN
A0.1	WALL TYPES AND MOUNTING HEIGHTS
A1.1	FIRST FLOOR PLAN
A2.1	BUILDING ELEVATIONS
A3.1	BUILDING SECTIONS AND DETAILS
A4.1	BUILDING SECTIONS AND DETAILS
A5.1	ROOF PLAN AND DETAILS
A5.2	ROOF PLAN AND DETAILS
A6.1	OPENING SCHEDULE AND DETAIL
A7.1	FIRST FLOOR EQUIPMENT AND FINISH PLAN
A9.1	FIRST FLOOR FINISH PLAN - UNIT A
S0.1	GENERAL STRUCTURAL INFORMATION
S1.1	FOUNDATION PLAN
S2.1	FOUNDATION DETAILS
S3.1	FRAMING PLAN
S4.1	FRAMING DETAILS
P1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, AND SHEET INDEX
P2.1	PLUMBING PLAN - CONCESSION
P4.1	PLUMBING SCHEDULES AND SANITARY ISOMETRIC
M1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, AND SHEET INDEX
M2.1	MECHANICAL PLAN - CONCESSION
E1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS AND SHEET INDEX
E2.2	ELECTRICAL DETAILS AND LUMINAIRE SCHEDULE
E2.1	SITE ELECTRICAL PLAN
E3.1	FIRST FLOOR SYSTEMS PLAN - CONCESSION STAND
E4.1	LIGHTING PLAN - CONCESSION AND LIGHTING AND POWER PLAN - PAVILION
E5.1	POWER PLAN - CONCESSION
E8.1	ELECTRICAL ONE-LINE DIAGRAMS AND PANEL SCHEDULES
T1.1	GENERAL NOTES, ABBREVIATIONS, LEGENDS, DIAGRAMS AND SHEET INDEX
T1.2	TECHNOLOGY DETAILS
T2.1	TECHNOLOGY SITE PLAN
T3.1	ENLARGED TECHNOLOGY ROOMS
TC.1	TECHNOLOGY CABLING PLAN



(CONCEPTUAL RENDERING)



1 FIRST FLOOR CODE PLAN
1/8" = 1'-0"

CONCESSION/RESTROOM/STORAGE BUILDING	
OCCUPANCY / USE GROUP:	A-3
CONSTRUCTION TYPE:	TYPE V-B
ALLOWABLE AREA (TABLE 506.2):	6,000 SF
AUTOMATIC SPRINKLER AREA INCREASE (TABLE 506.3) (200%):	NOT APPLICABLE
BUILDING FRONTAGE AREA INCREASE (TABLE 506.3):	6,000 SF
ACTUAL BUILDING AREA:	SEE SCHEDULE

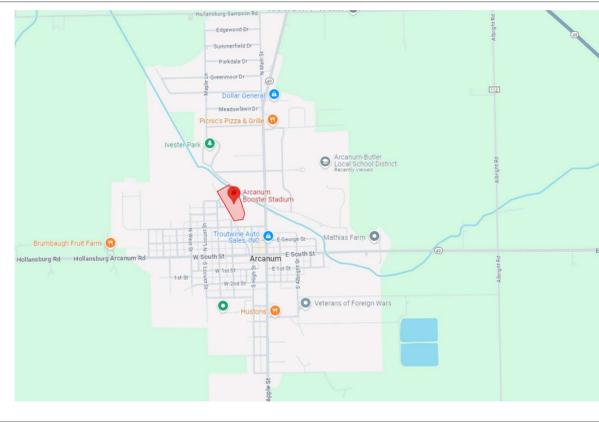
CODE INFORMATION	
BUILDING DESCRIPTION: NEW CONCESSION STAND, RESTROOM, AND STORAGE BUILDING AT THE FOOTBALL AND TRACK & FIELD STADIUM.	
APPLICABLE CODE: 2024 OHIO BUILDING CODE (OBC)	
OCCUPANT LOAD: 1,500 OCCUPANTS	
DESIGN UNIFORM LOAD: SEE STRUCTURAL SHEETS	

PLUMBING FIXTURE COUNT	
1,500 OCCUPANTS	
FIXTURES REQUIRED:	
750 / 75 = 10 WATER CLOSETS - MALE	10 / 2 = 5
750 / 40 = 19 WATER CLOSETS - FEMALE	19 / 2 = 10
750 / 200 = 4 LAVATORY(IES) - MALE	4 / 2 = 2
750 / 150 = 5 LAVATORY(IES) - FEMALE	5 / 2 = 3
750 / 1000 = 1 DRINKING FOUNTAIN(S)	2 / 2 = 1
1 SERVICE SINK(S)	
ACTUAL PROVIDED:	
2 WATER CLOSETS - MALE	
3 URINAL(S) - MALE	
2 LAVATORY(IES) - MALE	
10 WATER CLOSETS - FEMALE	
3 LAVATORY(IES) - FEMALE	
2 DRINKING FOUNTAIN(S)	
1 SERVICE SINK(S)	
1 UNISEX TOILET ROOMS (WC AND LAVATORY)	
CODE PLAN LEGEND	
⊗	OCCUPANT LOAD THROUGH EXIT
XXX	CLEAR EXIT WIDTH
XXX	ALLOWABLE NUMBER OF OCCUPANTS THROUGH EXIT
OCCUPANCY GROUPS USED	
A	ASSEMBLY
S	STORAGE

OCCUPANCY TABULATION PER 2024 OBC TABLE 1004.1.2 - L1					
ROOM NUMBER	NAME	AREA (GROSS)	AREA (NET)	OCCUPANT LOAD FACTOR	NUMBER OF ENITS
A101	STORAGE ROOM	394 SF	394 SF	300	1
A102	WOMEN'S RESTROOM	431 SF	431 SF	0	1
A103	FAMILY RESTROOM	72 SF	72 SF	0	1
A104	MEN'S RESTROOM	297 SF	297 SF	0	1
A105	MECHANICAL ROOM	83 SF	83 SF	300	1
A106	STORAGE ROOM	67 SF	67 SF	300	1
A107	JANITOR CLOSET	60 SF	60 SF	300	1
A108	CONCESSION STAND	467 SF	467 SF	100	5
Grand total					

FIRE EXTINGUISHER / CABINET SCHEDULE		
MARK	DESCRIPTION	NOTES
FE-10	FIRE EXTINGUISHER - 10.0LB - CLASS A:B:C ON WALL MOUNTED HANGER	FURNISHED AND INSTALLED BY GC

BUILDING AREA SCHEDULE			
AREA NUMBER	LEVEL	AREA	NOTES
AREA 1	FIRST FLOOR	2450 SF	
Grand total			2450 SF



CIVIL ENGINEER:

MOTE & ASSOCIATES



214 WEST FOURTH STREET
GREENVILLE, OHIO 45331
PH: (937) 548-7511

STRUCTURAL ENGINEER:

JEZERINAC GEERS & ASSOCIATES, INC.



5640 FRANTZ RD
DUBLIN, OHIO 43017
PH: (614) 766-0066

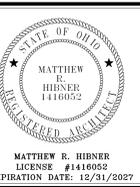


BOARD OF EDUCATION

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BOARD VICE PRESIDENT.....MARK TRASK
BOARD MEMBER.....MIKE FEARON
BOARD MEMBER.....ERIC MOORE
BOARD MEMBER.....JOE LEMASTER

ADMINISTRATION

SUPERINTENDENT.....JOHN STEPHENS
TREASURER.....MATT HUFFMAN
HIGH SCHOOL ATHLETIC DIRECTOR.....ABBEY MOORE
MIDDLE SCHOOL ATHLETIC DIRECTOR.....MATT MACY



STATE OF OHIO
MATTHEW R. HIBNER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027



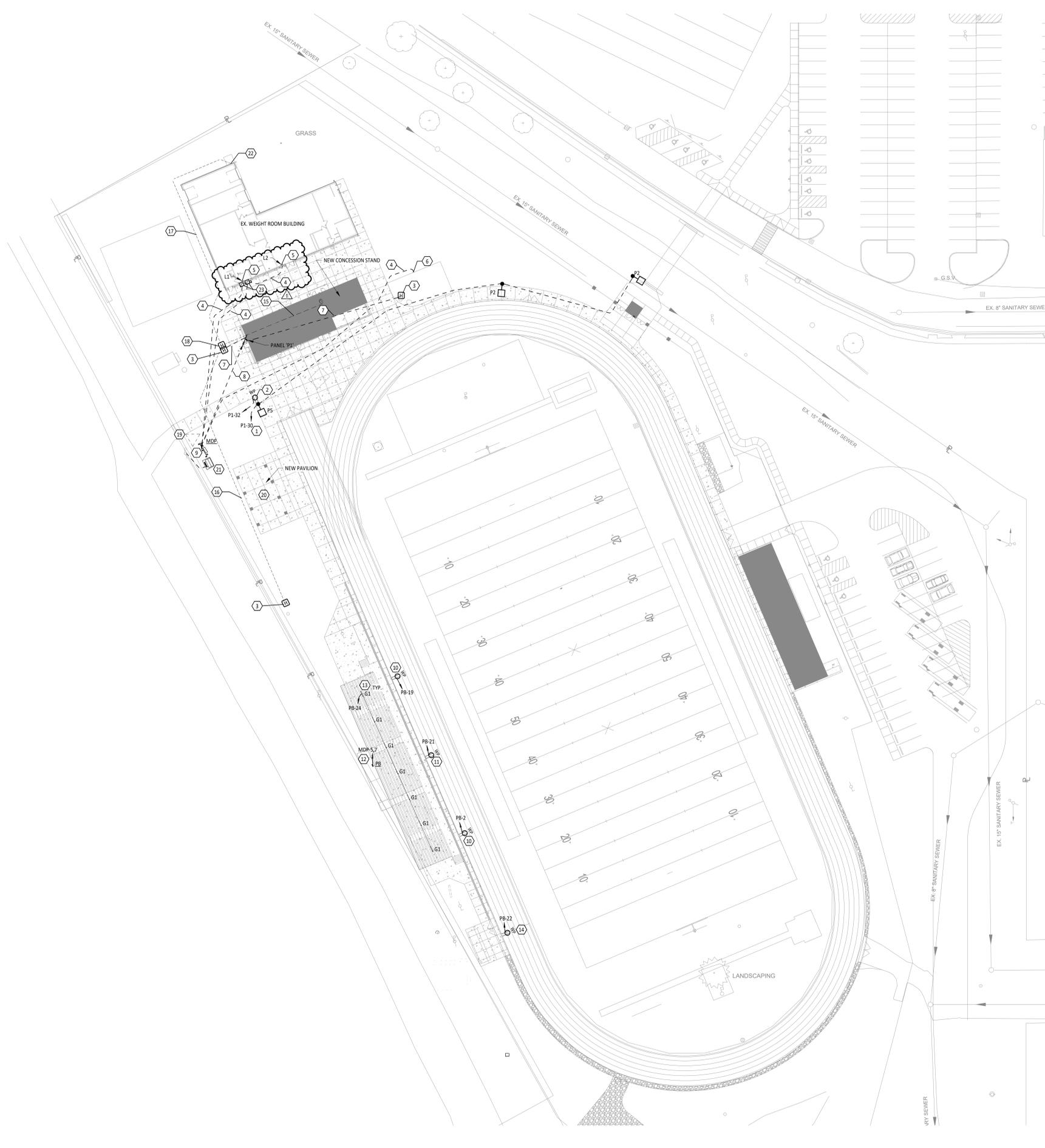
NEW BUILDING FOR
**ARCANUM BOOSTER STADIUM
PHASE III IMPROVEMENTS**
310 NORTH MAIN STREET, ARCANUM, OHIO 45304

ISSUANCES/REVISIONS	
CONSTRUCTION DOCUMENTS	01/06/2026
1 ADDENDUM #02	01/28/2026

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KMV	MRH

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
GO.1



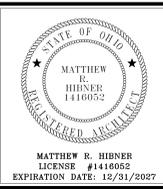
UTILITY COMPANY CONTACT

UTILITY COMPANY - VILLAGE OF ARCANUM, 309 S. ALBRIGHT ST., ARCANUM, OHIO 45304
 RANDY BAKER - UTILITY SUPERINTENDENT
 (OFFICE) 937-692-8101
 (CELL) 937-459-6017

ELECTRICAL SITE GENERAL NOTES

- A SEE CIVIL SITE PLAN, AND LANDSCAPE SITE PLANS FOR EXACT LOCATION OF OTHER UTILITIES. INSTALLATION OF ELECTRICAL WORK SHALL BE COORDINATED WITH THE OTHER TRADES.
- B ELECTRICAL UTILITY SERVICE CONDUITS TO BE MINIMUM OF 48" BELOW GRADE TO TOP OF CONDUITS.
- C PROVIDE PULL WIRES IN ALL EMPTY CONDUITS.
- D ALL UNDERGROUND CONDUIT SHALL BE 1" SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.
- E COORDINATE CONSTRUCTION WITH THE ELECTRIC UTILITY COMPANY.

#	KEYNOTE DESCRIPTION
1	CIRCUIT TO BE ROUTED THROUGH LIGHTING CONTACTOR FOR CONTROL OF EXTERIOR LIGHTS. REFER TO DETAIL 5/E1.2.
2	LOCATE RECEPTACLE ON SIDE OF POLE AT SAME ELEVATION AS THE POLE HAND HOLE. CIRCUIT SHALL BE CONCEALED INSIDE THE POLE.
3	PROVIDE A FLUSH-IN-GRADE BOX (12"x12"x12" DEEP), PROVIDE QUARTZITE PG STYLE OR EQUAL.
4	PROVIDE NEW UNDERGROUND ELECTRIC PANEL FEED ROUTED AROUND NEW BUILDING FOR EXISTING PANEL. REFER TO ONE-LINE FOR CONDUIT AND CONDUCTOR SIZE. EXISTING SERVICE CONDUIT AND CONDUCTORS SHALL BE REMOVED TO BELOW GRADE AND EXISTING UNDERGROUND SHALL BE ABANDONED IN PLACE. COORDINATE WORK WITH UTILITY COMPANY, OWNER AND OTHER TRADES.
5	EXISTING ELECTRIC PANEL INSIDE BUILDING TO REMAIN.
6	CUT EXISTING CONCRETE SIDEWALK AS NECESSARY FOR NEW UNDERGROUND ELECTRIC PANEL FEED FROM MDP. EXISTING CONCESSION BUILDING ELECTRIC SERVICE METER/SOCKET TO BE REMOVED. ELECTRIC PANEL FEED TO THE EXISTING CONCESSION BUILDING SHALL BE DEMOLISHED AFTER COMPLETION OF NEW CONCESSION BUILDING. REFER TO ONE-LINE DRAWINGS FOR MORE INFORMATION.
7	PROVIDE (2) 1" UNDERGROUND CONDUITS WITH PULL STRING FROM PANEL P1 TO HAND HOLE FOR FUTURE CIRCUITS.
8	UNDERGROUND FEEDER FROM MDP TO P1. REFERENCE ONE-LINE DIAGRAM FOR FEEDER INFORMATION AND CONDUIT TRENCH DETAIL 1/E1.2.
9	PROVIDE MOUNTING RACK FOR ELECTRICAL EQUIPMENT. VERTICAL POSTS SHALL BE 4" GALVANIZED RIGID CONDUIT BURIED 3" MINIMUM BELOW GRADE. AUGER 12" HOLE FOR POSTS AND FILL WITH CONCRETE. PROVIDE GALVANIZED STEEL STRUT AS NECESSARY FOR HORIZONTAL MEMBERS.
10	PROVIDE RECEPTACLE AT BASE OF BLEACHERS NEAR THE FOOTBALL 30 YARD LINE. COORDINATE EXACT LOCATION WITH OWNER AND BLEACHER INSTALLER. PROVIDE #10 AWG CU CONDUCTORS.
11	PROVIDE RECEPTACLE AT BASE OF BLEACHERS NEAR THE FOOTBALL 50 YARD LINE. COORDINATE EXACT LOCATION WITH OWNER AND BLEACHER INSTALLER. PROVIDE #10 AWG CU CONDUCTORS.
12	PANEL PB FURNISHED BY BLEACHER CONTRACTOR AS PART OF PRE-WIRED PRESS BOX. DIVISION 26 SHALL PROVIDE FEED CONDUIT, CONDUCTORS AND GROUNDING. REFER TO ONE-LINE DRAWING FOR ADDITIONAL INFORMATION.
13	LIGHT FIXTURES TO ILLUMINATE PEDESTRIAN PATH UNDER BLEACHER SEATING. MOUNT FIXTURES APPROXIMATELY 15' - 0" AFF TO BLEACHER STRUCTURE. COORDINATE WORK WITH BLEACHER INSTALLER. PROVIDE PHOTOCELL AND TOGGLE SWITCH (WEATHER-PROOF) TO CONTROL LIGHTING CIRCUIT.
14	MOUNT RECEPTACLE ON FENCE POST NEAR TRACK FINISH LINE. COORDINATE EXACT LOCATION WITH OWNER AND FENCE INSTALLER PRIOR TO INSTALLATION. PROVIDE (2) #8 AWG CU (1) #10 AWG CU GROUND CONDUCTORS.
15	PROVIDE TWO (2) 2" UNDERGROUND CONDUIT WITH PULL STRING FROM NEW TECHNOLOGY RACK TO NEW HAND HOLE FOR FUTURE CONNECTIONS. COORDINATE ALL WORK WITH DIVISION 27.
16	PROVIDE A 2" UNDERGROUND CONDUIT WITH PULL STRING FROM HAND HOLE TO HAND HOLE FOR FUTURE CONNECTIONS. COORDINATE ALL WORK WITH DIVISION 27.
17	PROVIDE A 2" UNDERGROUND CONDUIT WITH PULL STRING FROM NEW HAND HOLE TO EXISTING BUILDING FOR FUTURE CONNECTIONS. COORDINATE ALL WORK WITH DIVISION 27.
18	PROVIDE A FLUSH-IN-GRADE BOX (12"x12"x12" DEEP), PROVIDE QUARTZITE PG STYLE OR EQUAL.
19	GROUND TRAP. REFER TO DETAIL 7/E1.2 FOR ADDITIONAL INFORMATION.
20	REFER TO DETAIL 2/E4.1 MORE INFORMATION.
21	UTILITY TRANSFORMER. REFER TO ONE-LINE DRAWING FOR ADDITIONAL INFORMATION.
22	CONDUIT SHALL TURN UP ON EXTERIOR OF THE BUILDING, UP TO ABOVE INTERIOR CEILING HEIGHT. PROVIDE SMART LB FOR TECHNOLOGY CONDUIT TRANSITION FROM EXTERIOR TO INTERIOR OF THE BUILDING. COORDINATE WITH DIVISION 27.
23	PROVIDE TWO (2) 200A, 120/240V, FUSED NEMA 3R DISCONNECTS ON THE EXTERIOR OF THE BUILDING TO FEED THE EXISTING WEIGHT ROOM PANELS. THE DISCONNECTS SHALL BE LOCATED ADJACENT TO EACH OTHER AND MARKED TO INDICATE LOAD SERVED. REFERENCE THE ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.



ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

ISSUANCES/REVISIONS

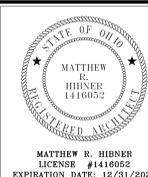
CD PHASE SUBMISSION	DATE
1	01/28/2023

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:
SITE ELECTRICAL PLAN

SHEET NUMBER:
E2.1





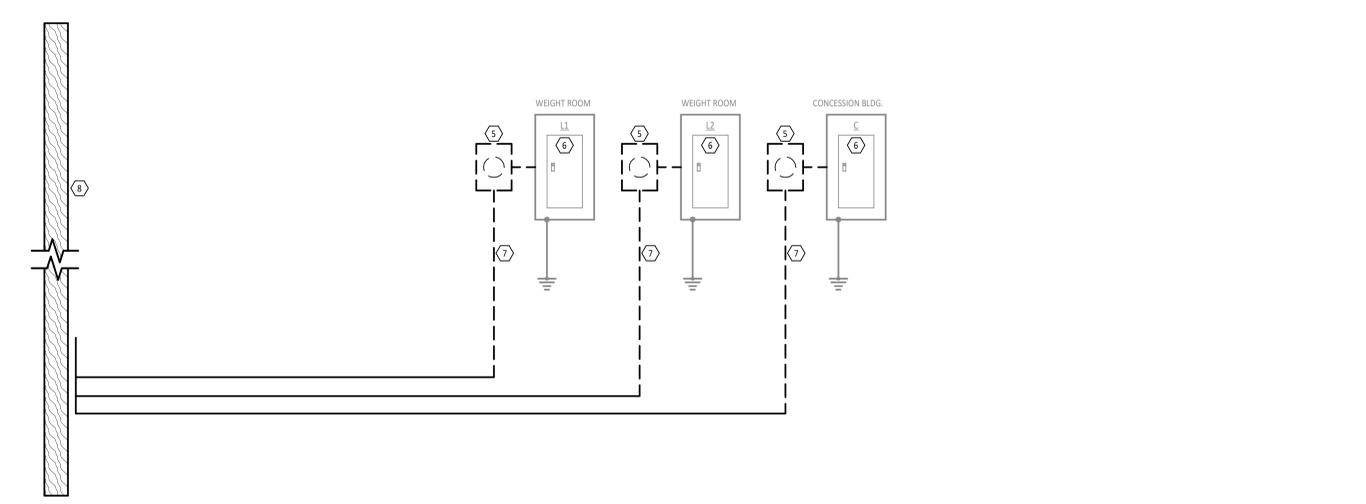
MATTHEW R. HINER
LICENSE #1416052
EXPIRATION DATE: 12/31/2027



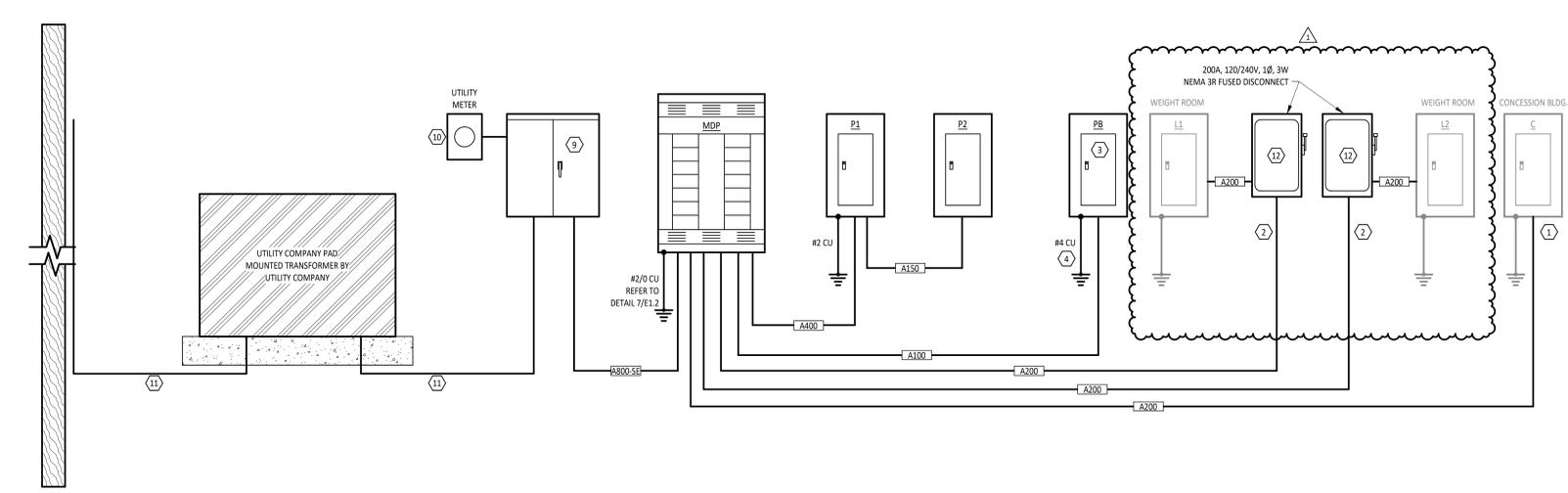
ARCANUM BOOSTER STADIUM PHASE III IMPROVEMENTS

NEW BUILDING OR
330 NORTH MAIN STREET, ARLAND, OH 43004

#	KEYNOTE DESCRIPTION
1	PROVIDE NEW UNDERGROUND ELECTRIC FEED FOR EXISTING CONCESSION BUILDING PANEL. NEW PANEL FEED SHALL BE ROUTED TO AVOID NEW CONSTRUCTION AREA OF CONCESSION BUILDING. AFTER CONSTRUCTION OF NEW CONCESSION BUILDING IS COMPLETED, FEED CONDUCTORS FOR THE OLD CONCESSION BUILDING SHALL BE DISCONNECTED AND REMOVED PRIOR TO THE BUILDING BEING DEMOLISHED. REFER TO SHEET E2.1 FOR ADDITIONAL INFORMATION.
2	PROVIDE NEW UNDERGROUND ELECTRIC FEED FOR EXISTING WEIGHT ROOM BUILDING PANEL. NEW PANEL FEED SHALL BE ROUTED TO AVOID NEW CONSTRUCTION AREA OF CONCESSION BUILDING. REFER TO SHEET E2.1 FOR ADDITIONAL INFORMATION.
3	PANEL FURNISHED WITH PRE-WIRED BLEACHER PRESS BOX. MAKE NECESSARY CONNECTIONS.
4	PROVIDE BONDING TO BLEACHER STRUCTURE.
5	REMOVE EXISTING METER SOCKET.
6	EXISTING CIRCUIT BREAKER PANEL TO REMAIN.
7	REMOVE FEED CONDUCTORS. REMOVE CONDUIT TO 2'-0" BELOW GRADE. DIRECT BURY CONDUCTORS MAY BE ABANDONED IN PLACE.
8	EXISTING UTILITY POLE TO REMAIN.
9	PROVIDE CT CABINET. COORDINATE CT CABINET SIZE WITH UTILITY COMPANY.
10	METER BASE SUPPLIED BY UTILITY COMPANY, INSTALLED BY DIVISION 26.
11	UTILITY COMPANY SHALL PROVIDE PRIMARY AND SECONDARY CONDUIT AND CONDUIT FITTINGS TO BE USED FOR THE NEW FEEDS.
12	PROVIDE A FUSED DISCONNECT FOR EACH EXISTING WEIGHT ROOM PANEL. PROVIDE 200A FUSES. DISCONNECTS SHALL BE LOCATED ADJACENT TO EACH OTHER ON THE EXTERIOR OF THE BUILDING. PROVIDE DISCONNECT LABEL PER SPECIFICATIONS, INCLUDING LOAD SERVED PER NEC 225.30 (I).



1
EXISTING ELECTRICAL ONE-LINE DIAGRAM
NTS



FEEDER SCHEDULE	
GENERAL NOTES:	
• ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.	
MARK	FEEDER DESCRIPTION
A100	(3) #1/0 AL, #6 AL G, 1-1/2" C
A150	(3) #3/0 AL, #4 AL G, 2" C
A200	(3) #250 KCMIL AL, #4 AL G, 2-1/2" C
A400	(2) PARALLEL SETS OF (3) #250 KCMIL AL, #1 AL G, 2-1/2" C
A800-SE	(3) PARALLEL SETS OF (3) #400 KCMIL AL, 3" C

2
NEW ELECTRICAL ONE-LINE DIAGRAM
NTS

DISTRIBUTION PANEL											
MDP											
MOUNTING: SURFACE		AIC RATING: 16,000A									
FED FROM: UTILITY		VOLTAGE: 120/240V 1PH 3W									
ENCLOSURE: NEMA 3R		MAINS RATING: 800 A									
LOCATION: EXTERIOR		MAINS TYPE: 800 A MCB									
OTHER:											
PANEL NOTES: PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD). PROVIDE CIRCUIT BREAKER SIZED PER MANUFACTURER RECOMMENDATIONS IF SPD IS EXTERNAL.											
NO	TYPE	CIRCUIT DESCRIPTION	POLE	AMP	C K T	A	B	C K T	AMP	NO	TYPE
1	P1		2	400	1	35882 / 0		2	--	2	SPACE ONLY
					3	35558 / 0		4	--	4	
					5	8040 / 0		6	200	2	L1 - EXIST.
					7	8334 / 0		8	--	10	
					9	19455 / 0		10	200	2	G - EXIST.(FUTURE SPARE)
					11	19455 / 0		12	--	1	SPACE ONLY
					13	0 / 0		14	--	1	SPACE ONLY
					15	0 / 0		16	--	1	SPACE ONLY
					17	0 / 0		18	--	1	SPACE ONLY
					19	0 / 0		20	--	1	SPACE ONLY
					21	0 / 0		22	--	1	SPACE ONLY
					23	0 / 0		24	--	1	SPACE ONLY
VA SUBTOTALS:				63376 VA	63344 VA						
AMP SUBTOTALS:				528 A	528 A						
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:				
HEAT	26000 VA	100.0%	26000 VA	108 A	63376 VA	A	1-REFER TO ONE-LINE DRAWING FOR FEED SIZE.				
LIGHTING	2539 VA	125.0%	3173 VA	13 A	63344 VA	B					
MOTORS	972 VA	114.8%	1116 VA	5 A	2 VA	C					
Power	7250 VA	70.0%	5075 VA	21 A	PANEL TOTALS						
RECEPTACLE	28150 VA	67.8%	19075 VA	79 A	126720 VA	CONNECTED					
MISC EQUIPMENT	61909 VA	100.0%	61909 VA	256 A	116225 VA	DEMAND					
					528 A	CONNECTED					
					484 A	DEMAND					

PANEL											
P1											
MOUNTING: SURFACE		AIC RATING: 10,000A									
FED FROM: MDP		VOLTAGE: 120/240V 1PH 3W									
ENCLOSURE: NEMA 1		MAINS RATING: 400 A									
LOCATION: STORAGE A101		MAINS TYPE: 400 A MCB									
OTHER:											
PANEL NOTES: PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD). PROVIDE CIRCUIT BREAKER SIZED PER MANUFACTURER RECOMMENDATIONS IF SPD IS EXTERNAL.											
NO	TYPE	CIRCUIT DESCRIPTION	POLE	AMP	C K T	A	B	C K T	AMP	NO	TYPE
3	ELH-1		2	50	1	5000 / 0		2	--	1	SPACE ONLY
					3	5000 / 0		4	--	1	SPACE ONLY
					15	1500 / 1500		6	15	1	ELH-2
					20	1500 / 1500		8	15	1	ELH-3
					9	2500 / 2500		10	--	2	ELH-4
					11	2500 / 2500		12	25	2	ELH-4
					13	180 / 11331		14	150	2	PANEL P2
					15	180 / 11011		16	--	1	
					17	1450 / 1450		18	20	1	HAND DRYER
					19	1450 / 1450		20	20	1	HAND DRYER
					21	1450 / 540		22	20	1	RECEPTACLE STORAGE A101
					23	1920 / 540		24	20	1	RECEPTACLE WOMEN'S RESTROOM A105
					25	720 / 540		26	20	1	RECEPTACLE MECHANICAL ROOM A105
					27	720 / 1044		28	20	1	LIGHTING
					29	600 / 259		30	20	1	POLE LIGHTS
					31	87 / 180		32	20	1	POLE RECEPTACLE
					33	380 / 4000		34	45	2	WH-1
					35	0 / 4000		36	--	1	SPACE ONLY
					37	0 / 0		38	--	1	SPACE ONLY
					39	0 / 0		40	--	1	SPACE ONLY
					41	0 / 0		42	--	1	SPACE ONLY
VA SUBTOTALS:				35882 VA	35558 VA						
AMP SUBTOTALS:				299 A	296 A						
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:				
HEAT	26000 VA	100.0%	26000 VA	108 A	35882 VA	A	G-PROVIDE GFCI BREAKER.				
LIGHTING	1854 VA	125.0%	2317 VA	10 A	35558 VA	B	1-REFER TO ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE.				
MOTORS	972 VA	114.8%	1116 VA	5 A	0 VA	C					
Power	7250 VA	70.0%	5075 VA	21 A	PANEL TOTALS						
RECEPTACLE	27430 VA	88.2%	16715 VA	78 A	71440 VA	CONNECTED	2-PROVIDE 2#10 CU, 1#10 CU GRD IN 1/2" CONDUIT.				
MISC EQUIPMENT	6000 VA	100.0%	6000 VA	25 A	61140 VA	DEMAND	4-PROVIDE 2#46 CU, 1#10 CU GRD IN 3/4" CONDUIT.				
					298 A	CONNECTED	6-PROVIDE 2#46 CU, 1#10 CU GRD IN 1" CONDUIT.				
					255 A	DEMAND					

PANEL											
P2											
MOUNTING: SURFACE		AIC RATING: 10,000A									
FED FROM: P1		VOLTAGE: 120/240V 1PH 3W									
ENCLOSURE: NEMA 1		MAINS RATING: 225 A									
LOCATION: MECHANICAL ROOM A105		MAINS TYPE: MLC									
OTHER:											
PANEL NOTES: PROVIDE PANEL WITH SURGE PROTECTION DEVICE (SPD). PROVIDE CIRCUIT BREAKER SIZED PER MANUFACTURER RECOMMENDATIONS IF SPD IS EXTERNAL.											
NO	TYPE	CIRCUIT DESCRIPTION	POLE	AMP	C K T	A	B	C K T	AMP	NO	TYPE
G		CONCESSIONS REFRIGERATOR	1	20	1	600 / 180		2	20	1	MICROWAVE
G		CONCESSIONS REFRIGERATOR	1	20	3	600 / 1200		4	20	1	CONCESSIONS RECEPTACLE
G		CONCESSIONS ICE MAKER	1	20	5	600 / 1200		6	20	1	PRETZEL WARMER
G		CONCESSIONS RECEPTACLE	1	20	7		360 / 1200	8	20	1	CONCESSIONS ISLAND REC.
G		PENNY WARMER	1	20	9	180 / 1200		10	20	1	CONCESSIONS ISLAND REC.
G		CONCESSIONS ISLAND REC.	1	20	11		1200 / 1200	12	20	1	CONCESSIONS ISLAND REC.
G		CONCESSIONS ISLAND REC.	1	20	13	1200 / 1200		14	20	1	CONCESSIONS RECEPTACLE
G		CONCESSIONS ISLAND REC.	1	20	15		1200 / 1200	16	20	1	CONCESSIONS RECEPTACLE
G		POPCORN MACHINE	1	30	17	2350 / 360		18	20	1	CONCESSIONS RECEPTACLE
G		RECEPTACLE MENU BOARD A108	1	20	19		360 / 1200	20	20	1	CONCESSIONS RECEPTACLE
G		FREEZER	1	20	21	600 / 720		22	20	1	EXTERIOR RECEPTACLES
G		FREEZER	1	20	23		600 / 600	24	20	1	EF-5, EF-6
G		DOUBLE DOOR FRIDGE	1	20	25	600 / 350		26	20	1	LIGHTING CONCESSION STAND A108
G		SPARE BREAKER	1	20	27		0 / 96	28	20	1	LIGHTING - EXTERIOR
G		SPARE BREAKER	1	20	29		0 / 0	30	20	1	SPARE BREAKER
G		SPARE BREAKER	1	20	31		0 / 0	32	20	1	SPARE BREAKER
G		SPARE BREAKER	1	20	33		0 / 0	34	20	1	SPARE BREAKER
G		SPACE ONLY	1	--	35		0 / 0	36	--	1	SPACE ONLY
G		SPACE ONLY	1	--	37		0 / 0	38	--	1	SPACE ONLY
G		SPACE ONLY	1	--	39		0 / 0	40	--	1	SPACE ONLY
G		SPACE ONLY	1	--	41		0 / 0	42	--	1	SPACE ONLY
VA SUBTOTALS:				11331 VA	11011 VA						
AMP SUBTOTALS:				94 A	92 A						
LOAD TYPE:	CONNECTED VA	DEMAND FACTOR	DEMAND VA	DEMAND AMPS	SUBTOTAL	PHASE	CIRCUIT NOTES:				
LIGHTING	455 VA	125.0%	568 VA	2 A	11331 VA	A	G-PROVIDE GFCI BREAKER.				
MOTORS	600 VA	124.0%	744 VA	3 A	11011 VA	B	1-REFER TO ONE-LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZE.				
RECEPTACLE	21310 VA	73.5%	15655 VA	65 A	0 VA	C					
					PANEL TOTALS						
					22343 VA	CONNECTED	2-PROVIDE 2#10 CU, 1#10 CU GRD IN 1/2" CONDUIT.				
					16940 VA	DEMAND	4-PROVIDE 2#46 CU, 1#10 CU GRD IN 1" CONDUIT.				
					93 A	CONNECTED	6-PROVIDE 2#46 CU, 1#10 CU GRD IN 1" CONDUIT.				
					71 A	DEMAND					

ISSUANCES/REVISIONS		
CD PHASE SUBMISSION	01/06/2025	
1 ADDENDUM #02	01/28/2025	

PROJECT NUMBER:	DRAWN BY:	CHECKED BY:
23047.03	KCR	CDH

SHEET TITLE:
ELECTRICAL ONE-LINE DIAGRAMS AND PANEL SCHEDULES

SHEET NUMBER:
E8.1