

ADDENDUM NO. 2

**Coventry Township
NEW FIELD HOUSE
Logan Field
2701 North turkeyfoot Road
Akron, Ohio 44319**

**Prepared by
Four Points Architectural Services, Inc.**

April 29, 2024

This Addendum is a modification of the Drawings and Specifications for the referenced project dated 03-22-24 and is hereby incorporated into and becomes part of said Contract Documents. It is to be considered in the proposal and covers additions and/or changes to the Drawings and Specifications.

A. GENERAL

- a. A pre-bid meeting was held on Tuesday, April 16, 2024, at Logan Field. Attached is the attendance sheet.
- b. All questions/RFIs should be directed to Jim Presutto, Project Architect from Four Points Architectural Services, Inc.: jpresutto@4points.net; 330-753-9710. The deadline for the contractors to submit questions was Friday, April 26th.
- c. The Architect and Engineers will respond to all questions submitted to the Architect no later than Monday, April 29th by 2:00 p.m.
- d. Bids are due on Thursday, May 2, 2024, at 2:00 p.m. Submit a hardcopy of the bid form/s to the attention of Anna Bryant (Township Administrator). Bids submitted before 1:00 p.m. on Thursday, May 2nd should be dropped off at the Coventry Township offices located at 68 Portage Lakes Drive, Akron, Ohio 44319. All bids that are submitted after 1:00 p.m. on the 2nd, should be dropped off at the Coventry Community Center at 335 E. Willowview Drive, Coventry Township, OH 44319, where the bids will be opened publicly.
- e. This is a tax-exempt project.
- f. The bidders are required to provide a bid bond. A copy of AIA Document A312 – 2010 has been attached to this addendum.
- g. The Township will provide builders risk insurance for this project.
- h. The water-tapping fees will be paid by Coventry Township.
- i. The successful bidder is responsible for obtaining and paying for the building permits. This project has received Conditional Plan Approval from the Summit County Division of Building Standards. The Contractor will be responsible for providing engineered truss drawings in order to receive final plan approval. The application number for this project is CPR240489, and the plan approval notice has been attached to this addendum.
- j. The anticipated notice-to-proceed date is May 20th. The actual start date and construction schedule will be coordinated between the successful bidder and Coventry Township.

B. SPECIFICATIONS

1. **07 41 13.76 – Standing-Seam Metal Roof Panels:**
 - a. Paragraph 2.2/B./7. - Dimensional Metals, Inc. (DMI) has been added as an acceptable manufacturer.
 - b. Paragraph 2.2/C./7. – Panel coverage should be 16” for both panel MR-1 and MR-2.
 - c. Paragraph 2.2/C./8. – Batten height should be 1 3/4” for both panel MR-1 and MR-2.
2. **08 33 23 – Overhead Coiling Doors:**
 - a. Paragraph 2.2/A./1. - Cornell has been added as an acceptable manufacturer.
 - b. Paragraph 2.2/H. – Locking Devices: Manual Push-Up.
 1. Locking Device Assembly: Locking thumb wing latch located on the coil side of bottom bar at each jamb extending lock bolt through slots in guides.
3. **08 71 00 – Door Hardware**
 - a. Clarification: General Contractor is responsible for providing and installing all door hardware/ parts noted in the Hardware Sets. The Township will provide and install all access/security systems, corresponding wiring, and controls.
4. **10 14 23 – Panel Signage:**
 - a. Paragraph 2.2/A./1. – Interior signs to be fabricated with acrylic. Exterior signs to be constructed of exterior-grade photopolymers.
 - b. Paragraph 2.2/A./2. – Colors to be selected by Architect.
 - c. Paragraph 2.2/A./6. – Aluminum frames will not be required for any signs to be provided and installed as part of this project.
5. **10 28 00 – Toilet, Bath, and Laundry Accessories:**
 - a. Paragraph 2.2/D./1.: Add the following manufacturer and product as an acceptable alternative to the hand dryer basis-of-design – Saniflow Corp., Speedflow Plus, M17ACS-UL.
6. **31 34 21 – Aggregate Pier Soil Reinforcement:**
 - a. Vibro stone columns are an acceptable equivalent to rammed aggregate piers. See attached revised specification.

C. DRAWINGS

1. **Sheet SD1.1 – Architectural Site Plan:**
 - a. The existing chainlink gates are to be removed, salvaged, and reinstalled. Adjust the existing 4'-0” high chainlink fence as needed. See 1/SD1.1 for locations.
 - b. New chain-link fence locations have been noted on the site plan.
2. **Sheet A1.1 – First Floor Plan:**
 - a. The concession equipment layout has been revised.
 - b. General Note 6 has been added to this sheet and a note has been added to the equipment schedule that clarifies that the concession equipment will be provided and installed by Coventry Township.

3. **Sheet A3.1 – Roof Plan:**

- a. Locations of snow guard rails have been shown and noted on the Roof Plan.

4. **Sheet A4.2 – South & West Exterior Elevations:**

- a. The height of Door 101A has been revised to be 7'-4". This change also affects the trim layout around the door.
- b. The note for the sign to be mounted on the west wall has been revised: "Future sign to be provided and installed by the Owner."

5. **Sheet A5.1 – Building Sections:**

- a. Building Section A/A5.1 – The height of Door 101A has been revised.

6. **Sheet A6.2 – Interior Elevations:**

- a. The equipment layout shown in the concession stand has been revised.

7. **Sheet A9.1 – Miscellaneous Details:**

- a. Door Schedule: The height of Door 101A has been revised to be 7'-4" (previously 8'-0").

8. **Sheet S0.1 – Special Inspections Notes:**

- a. Clarification: Coventry Township will hire a third-party testing agency to address any required special inspections. The Contractor is still responsible for any testing required for the rammed aggregate piers and all standard inspections.

9. **Sheet S1.1 – Foundation Plan:**

- a. To accommodate the soils report recommendations and to simplify the foundation layout, all WF1.33 footings have been changed to WF1.67 footings.
- b. To accommodate the soils report recommendations and to simplify the foundation layout, all WF1.33A footings have been changed to WF1.67A footings.
- c. WF1.67A has been added to the Structural Foundation Schedule.

10. **Sheet P1.0 – Plumbing Floor Plan:**

- a. The 3-compartment sink, a grease interceptor, and a hand sink have been added to the concession area. The corresponding piping layout has also been revised.

11. **Sheet P2.0 – Plumbing Schedules / Details:**

- a. A grease interceptor (GI-1) has been added to the Plumbing Fixture & Connection Schedule.
- b. A hand sink (SK-1) has been added to the Plumbing Fixture & Connection Schedule.
- c. A 3-compartment sink (SK-2) has been added to the Plumbing Fixture & Connection Schedule.

12. **Sheet P2.1 – Plumbing Details:**

- a. The Sanitary Isometric has been updated to include changes to the concession area.
- b. A Grease Interceptor Sizing chart has been added to this sheet.

13. Sheet E1.1 – Power / Systems Floor Plans:

- a. The outlet layout in the concessions area has been revised to accommodate the new equipment plan.

14. Sheet E2-0 – Electrical Schedules & Details:

- a. The diagram for Panel 'A' has been revised to accommodate the new equipment plan.

D. CLARIFICATIONS

1. **Existing Field House:** The existing field house is to remain operational during construction of the new building. The Contractor will allow access to the existing building and fields while providing temporary fencing to keep the public out of the construction zone.

END OF ADDENDUM NO. 2

 **AIA** Document A312™ - 2010

Payment Bond

CONTRACTOR:
(Name, legal status and address)

Sample

Sample

Sample

OWNER:
(Name, legal status and address)

Sample

Sample

Sample

CONSTRUCTION CONTRACT

Date:

Amount:

Description:
(Name and location)

Sample

Sample

BOND

Date:

(Not earlier than Construction Contract Date)

Amount:

Modifications to this Bond: None See Section 18

CONTRACTOR AS PRINCIPAL

Company: *(Corporate Seal)*

SURETY

Company: *(Corporate Seal)*

Signature: _____

Name

and Title:

(Any additional signatures appear on the last page of this Payment Bond.)

Signature: _____

Name

and Title:

(FOR INFORMATION ONLY — Name, address and telephone)

AGENT or BROKER:

OWNER'S REPRESENTATIVE:

(Architect, Engineer or other party.)

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

AIA Document A312-2010 combines two separate bonds, a Performance Bond and a Payment Bond, into one form. This is not a single combined Performance and Payment Bond.

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner to pay for labor, materials and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.

§ 2 If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold harmless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 The Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

- .1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and
- .2 have sent a Claim to the Surety (at the address described in Section 13).

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13).

§ 6 If a notice of non-payment required by Section 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1.1.

§ 7 When a Claimant has satisfied the conditions of Sections 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.

§ 10 The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to, or give notice on behalf of, Claimants or otherwise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

§ 16 Definitions

§ 16.1 Claim. A written statement by the Claimant including at a minimum:

- .1 the name of the Claimant;
- .2 the name of the person for whom the labor was done, or materials or equipment furnished;
- .3 a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
- .4 a brief description of the labor, materials or equipment furnished;
- .5 the date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
- .6 the total amount earned by the Claimant for labor, materials or equipment furnished as of the date of the Claim;
- .7 the total amount of previous payments received by the Claimant; and
- .8 the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant. An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

§ 16.4 **Owner Default.** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 16.5 **Contract Documents.** All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL

SURETY

Company:

(Corporate Seal)

Company:

(Corporate Seal)

Signature: _____

Signature: _____

Name and Title: _____

Name and Title: _____

Address: _____

Address: _____

Init.

COUNTY OF SUMMIT, OHIO

Ilene Shapiro, County Executive

Division of Building Standards

1030 E Tallmadge Avenue · Akron OH 44310 · 330.630.7280 · fax 330.630.7296

Certificate of Conditional Plan Approval

Date: 4/9/2024

Application #	CPR240489-A	Occupancy Class:	B / S1
Project/Tenant Name:	Coventry Twp Field House	Const. Type:	5B
Address:	2701 N. Turkeyfoot Rd.	Area (ft ²):	2,562 sf; includes 604 mezz.
Jurisdiction:	Coventry, OH	Occupant Load:	50
Owner/Agent:	Coventry Township, Anna Bryant	Applicant:	James Presutto
Project Description:	New Field House - Sports Equipment Storage, Office, Restrooms, Concessions, PA Booth/Deck		
Plans Reviewed by:	Richard Cooper, MPE; Dan Shields, P3		

Conditions/Comments: None

Approved	Deferred Submittal	Approval Type	Comment
X		Building	Separate Building Permit applications and fees required by registered installer.
X		Mechanical	Separate Mechanical Permit applications and fees required by registered installer.
X		Plumbing	Separate Plumbing Permit applications and fees required by registered installer.
X		Electrical	Separate Electrical Permit applications and fees required by registered installer.
	X	Truss Design	Truss design by a design professional is required for review and approval

In response to your application for plan review, we have reviewed the documents to determine compliance with the 2024 Ohio Building Codes. A conditional approval is granted per OBC 105.1.2. The holder of a conditional approval shall proceed at the holder's own risk with the building operation and without assurance that an approval for the entire structure will be granted. The approval of construction documents is invalid if construction has not commenced within twelve months of the approval. One extension can be granted for an additional twelve-month period if requested by the owner at least 10 days in advance of the expiration.

Project Requirements

In order to avoid delays or additional fees, please abide by the following:

- Job address must be properly posted
- Inspection requests shall be received prior to 3pm in order to be eligible for a next day inspection. (Next day inspections are not guaranteed)
- A copy of approved drawings and this certificate shall be onsite for every inspection
- Safe and proper access to your job site REQUIRED. Your inspection may be declined if unsafe conditions exist where the inspector must climb, jump, or otherwise traverse any unsafe device or structure.



Christopher Randles

Chief Building Official

submittals@summitoh.net

Required Inspections as determined by OBC 108 as applicable:

- 108.2.1 **Lot line markers required.** Prior to commencing construction, all boundary lines shall be clearly marked at their intersections with permanent markers or with markers which are offset at a distance which is of record with the owner.
- 108.2.2 **Footing or foundation inspection.** Footing and foundation inspections shall be made after excavations for footings are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to inspection. Materials for the foundation shall be on the job, except where concrete is ready mixed in accordance with "ASTM C 94", the concrete need not be on the job.
- 108.2.3 **Concrete slab and under-floor inspection.** This inspection shall be made after the following is completed: in-slab, under-floor reinforcing steel and building service equipment, conduit, insulation, vapor retarder, piping accessories and any ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.
- 108.2.5 **Frame inspection.** A framing inspection shall be made after the roof deck or sheathing, all framing, fire blocking and bracing are in place and pipes, chimneys and vents to be concealed are complete and the rough electrical, plumbing, heating, wires and ducts are approved.
- 108.2.8 **Energy efficiency inspections.** Inspections shall be made to determine compliance with Chapter 13 of the Ohio Building Code (OBC) and shall include, but not limited to, inspections for: envelope insulation "R" and "U" value, fenestration "U" value, duct system "R" value, infiltration air barriers, caulking / sealing of openings in envelope and ductwork, and "HVAC" and water heating equipment efficiency.
- 108.2.9 **Building services equipment inspections.** Inspections shall be made of all building services equipment to ensure that it has been installed in accordance with the approved construction documents, the equipment listings, and the manufacturer's installation instructions.
 - Electric Underground
 - Electric Rough
 - Electric Service
 - Electric Above Ceiling
 - Electric Final
 - Plumbing Underground
 - Plumbing Rough
 - Plumbing Above Ceiling
 - Plumbing Final
 - Mechanical Rough
 - Mechanical Above Ceiling
 - Mechanical Final
- 108.2.12 **Final inspection.** The final inspection shall be made after all work required by the plan approval is completed.

SECTION 31 34 21

AGGREGATE PIER SOIL REINFORCEMENT

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. Designing, furnishing, and installing aggregate pier elements as specified herein and shown on the drawings. Ground improvement system shall be either rammed piers or vibro stone columns. "Aggregate Piers" referenced in these specifications refer to both rammed piers and vibro stone columns, and shall be provided to reinforce the existing soils for support of shallow foundations as indicated in the Structural Drawings.

B. Related Sections:

- 1. Section 00 31 32 "Geotechnical Data" for subsurface information as a basis for the aggregate pier design/s.
- 2. Section 03 30 00 "Cast-in-Place Concrete" for granular course if placed over vapor retarder and beneath the slab-on-grade
- 3. Section 31 20 00 "Earth Moving" general information pertaining to subgrade preparation for pavement, building structures, and utilities.

1.3 AGGREGATE PIER INSTALLATION

- A. provide all equipment, casing, material, labor, and supervision to design and install aggregate pier elements.
- B. Perform one (1) Modulus Tests.

1.4 REFERENCE STANDARDS

- A. ASTM STP 399 – Dynamic Penetrometer Testing.
- B. ASTM D422 – Standard Test Method for Particle-Size Analysis of Soils.
- C. ASTM D1143 – Standard Test Method for Piles Under Static Axial Compressive Load.
- D. ATM D1194 – Full-Scale Load Testing (Individual Column or column groups) Modified for Size.
- E. ASTM D1586 – Standard Test Method for Penetration Test and Plit-Barrel Sampling of Soils.
- F. ASTM D3689 – Standard Test Method for Individual Piles Under Static Axial Tension Load.
- G. ASTM D5778 – Cone Penetrometer Testing (CPT).

21-025

AGGREGATE PIER SOIL REINFORCEMENT

31 34 21 - 1

1.5 SUBSURFACE CONDITIONS

- A. A copy of the subsurface investigation of the site is included in these bid documents. The data is not intended as a representation or warranty of the continuity of such conditions. Owner will not be responsible for interpretation or conclusions drawn by the Contractor. The data is made available for the convenience of the Contractor and is not guaranteed to represent all conditions that may be encountered.
- B. Contractor may examine the site and make his own subsurface explorations at no additional cost to the Owner. Notify Owner prior to making any subsurface explorations.

1.6 EXISTING UTILITIES

- A. Contractor shall be responsible for locating and protecting all existing underground utilities and other structures during the installation of the aggregate piers. If utilities are to remain in place, provide protection from damage during construction operations.
- B. Cooperate with the Owner and utility companies in keeping their respective services and facilities in operation. Do not interrupt existing utility service facilities occupied and used by the Owners or others, unless written permission is given by the Architect and then only after temporary utility services have been provided.
- C. Should uncharted or incorrectly charted piping or other utilities be encountered, consult the Architect immediately for instructions.
- D. Repair damaged utilities to satisfaction of utility owner.

1.7 SUBMITTALS AND CERTIFICATIONS

- A. Aggregate Pier Contractor shall submit a list of at least five previously completed projects of similar size and scope for review by the Architect/Structural Engineer. The list shall include a description of the project, relative size, and contact person with phone number.
- B. Aggregate Pier Contractor shall submit to the Architect/Structural Engineer a minimum of three weeks before the start of construction:
 - 1. Resumes of key management and supervisory personnel.
 - 2. Detailed design calculations and construction drawings prepared by the Aggregate Pier Engineer provided by the Aggregate Pier Contractor. All drawings and calculations shall be sealed by a Professional Engineer in the State of Ohio. Drawings shall clearly indicate the spacing, location, and depth of aggregate piers required to achieve the performance criteria outlined in this specification.
 - 3. A ground improvement Quality Assurance Plan as outlined in section 1.9 of this specification.
 - 4. Work procedures and control criteria.
 - 5. Load test detail and setup that confirms the modulus of the aggregate piers used in the design.
 - 6. A schedule of work tasks and time for completion.
- C. Upon completion of the aggregate pier installation, the Aggregate Pier Contractor should submit a letter certifying the aggregate piers have been installed in general conformance with the approved aggregate pier submittal and the soils have been improved for net allowable bearing pressure of **2,000 psf**.

1.8 QUALITY ASSURANCE

- A. The design and installation of the aggregate piers shall be performed by a specialty Aggregate Pier Contractor with a minimum of five continuous years of documented experience with the installation of aggregate piers and shall have completed at least 50 projects.
- B. Aggregate Pier Contractor shall provide experienced management, supervisory and key personnel as required to implement and complete the installation of the Aggregate Piers as indicated on the Approved Aggregate Pier Submittal. The Project Manager shall have at least two years of continuous experience with aggregate piers, with at least the last year in full-time employment for the Aggregate Pier Contractor. The superintendent shall have at least two years of experience with aggregate piers.
- C. Aggregate Pier Contractor shall have a full-time quality control representative to verify and report all quality control installation procedures. Complete and accurate daily records of aggregate pier installation shall be submitted to the Contractor and the Special Inspector. The records shall include the following:
 - 1. Footing and aggregate pier location or number.
 - 2. Aggregate pier length and drilled diameter.
 - 3. Start and finish time of the pier installation.
 - 4. Planned and actual aggregate pier elevations at the top and bottom of the element.
 - 5. Average lift thickness (where appropriate) for each pier.
 - 6. Backfill quantities for each pier.
 - 7. Soil types encountered at the bottom of each pier and along the length of the element,
 - 8. Depth to groundwater, if encountered.
 - 9. Type and size of densification equipment used.
 - 10. Any unusual conditions encountered.
 - 11. Aggregate Pier Contractor shall immediately report any unusual conditions encountered during installation to the Contractor, Structural Engineer, and to the Special Inspector.
- D. Aggregate Pier Contractor shall submit any changes to the approved aggregate pier design, necessitated by a change in the subsurface conditions, to the General Contractor, the Architect/Structural Engineer and the Special Inspector.
- E. Perform Modulus Tests. Refer to Paragraph 1.3.B for number of tests required.
- F. Aggregate Pier Contractor shall submit a report documenting observations and results of the Modulus Test(s) to the Contractor and the Architect/structural Engineer. Report shall certify that the design bearing pressure was achieved within the specified settlement tolerances and shall include a description of the installation equipment, installation records, complete test data, analysis of the test data and recommend design parameter values based on the modulus test results. Report shall be prepared under supervision of registered profession engineer.

PART 2 - PRODUCTS

2.1 BACKFILL MATERIALS

- A. Backfill aggregate shall consist of hard, angular to sub-angular durable rock fragments with the majority of the particles in the range of 1/8 inch to 1-1/2 inches such as ASTM D448, size No. 67. The aggregate shall be identical to that used for the successful modulus test. The Special Inspector shall approve the backfill aggregate.

2.2 EQUIPMENT

- A. Down-hole Vibratory Probe: The vibratory probe shall be capable of producing horizontal vibrations from an energy source near the tip of the probe. The Aggregate Pier Contractor shall use an electric probe capable of providing at least 80 HP of rated energy and a centrifugal force of 15 tons. An appropriate metering device shall be provided at such a location that inspection amperage increase may be verified during operation of the equipment. The metering device may be an ammeter directly indicating the performance of the probe tip.
- B. Tamper: The tamper shall have a diameter that is at least 70 percent of the predrilled hole diameter, have beveled sides, and be long enough to reach the full depth of the predrilled hole. The energy shall be from a minimum 3,500 lb. class impact hammer.
 - 1. Unsatisfactory soils also include satisfactory soils not maintained within 2 percent of optimum moisture content at time of compaction.
- C. Subbase Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve.
- D. Base Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 95 percent passing a 1-1/2-inch sieve and not more than 8 percent passing a No. 200 sieve.
- E. Engineered Fill: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; with at least 90 percent passing a 1-1/2-inch sieve and not more than 12 percent passing a No. 200 sieve.
- F. Bedding Course: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D 2940; except with 100 percent passing a 1-inch sieve and not more than 8 percent passing a No. 200 sieve.
- G. Drainage Course: Narrowly graded mixture of washed crushed stone, or crushed or uncrushed gravel; ASTM D 448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2-inch sieve and 0 to 5 percent passing a No. 8 sieve.
- H. Filter Material: Narrowly graded mixture of natural or crushed gravel, or crushed stone and natural sand; ASTM D 448; coarse-aggregate grading Size 67; with 100 percent passing a 1-inch sieve and 0 to 5 percent passing a No. 4 sieve.
- I. Sand: ASTM C 33; fine aggregate.
- J. Impervious Fill: Clayey gravel and sand mixture capable of compacting to a dense state.

PART 3 - EXECUTION

3.1 AGGREGATE PIER PERFORMANCE CRITERIA

- A. Aggregate pier stiffness modulus value used for design shall be verified by the results of the aggregate pier modulus tests, described in the specification.
- B. Aggregate piers shall be designed in accordance with generally-accepted engineering practice and as required by these Specifications. The design shall meet the following criteria:

1. Minimum Allowable Bearing Pressure for Aggregate Pier Reinforced Soils: 2,000 psi.
 2. Minimum aggregate Pier Coverage (for square Spread Footings): 30%.
 3. Estimated Total Long-Term Settlement for Footings: ≤ 1 -inch.
 4. Estimated Long-Term Differential Settlement of Adjacent Footings: $\leq 1/2$ -inch.
- C. The design submitted by the Aggregate Pier Contractor shall consider the bearing capacity and settlement of all footings supported by the aggregate piers and shall be in accordance with acceptable engineering practice and these specifications. Total and differential settlement shall be considered. The design life shall be 50 years.
- D. Aggregate pier system shall be designed to preclude plastic bulging deformations at the top-of-pier design stress and to preclude significant tip stresses as determined by the shape of the telltale test curve from telltales installed in modulus test piers.

3.2 PIER TOLERANCES

- A. The center of each aggregate pier shall be within six inches of the plan locations indicated. The final measurement of the top of the piers shall be the lowest point on the aggregate in the last compacted lift. Piers installed outside of the above tolerance and deemed not acceptable shall be rebuilt at no expense to the Owner.

3.3 REJECTED AGGREGATE PIERS

- A. Aggregate piers improperly located or installed beyond the maximum allowable tolerances shall be abandoned and replaced with new piers unless the Designer approves other remedial measures. All material and labor required to replace rejected piers shall be provided at no additional cost to the Owner.

3.4 MODULUS TEST

- A. Modulus test shall be performed by the Aggregate Pier Contractor to verify the parameter values selected for design. The modulus test shall be the type and installed in a manner specified herein. Refer to Paragraph 1.2.B for the number of tests required.
- B. Aggregate Pier Contractor shall provide and install all dial indicators and other measuring devices as required to perform the tests.
- C. At the option of the Aggregate Pier Contractor, a telltale may be installed at the bottom of the test pier so that bottom-of-pier deflections may be determined. Acceptable performance is indicated when the bottom of the pier deflection is no more than 20% of the top of pier deflection at the design stress level.
- D. ASTM D-1143 general test procedures shall be used as a guide to establishing load increments, load increment duration, and load decrements.
- E. Hold-time for load increments shall be a minimum of 15 minutes. The maximum hold-time shall not exceed 1 hour. Loads shall be held until the deflection rate has decreased to a maximum of 0.01-inch per hour, or less.
- F. The load increment that represents approximately 115% of the design maximum stress on the aggregate pier shall be held for a minimum of 15 minutes. The maximum hold-time shall be 4 hours. The load shall be held until the deflection rate has decreased to a maximum of 0.01-inch per hour, or less.

- G. A seating load equal to 5 percent of the total load shall be applied to the loaded steel plate prior to application of load increments and prior to measurement of deflections to compensate for surficial disturbance.
- H. Aggregate pier modulus testing shall be performed in accordance with the requirements outlined in the Design Submittal.
- I. Locations of the aggregate pier modulus tests should be coordinated with the Structural Testing/Inspection Agency and the Architect/Structural Engineer.

3.5 PROTECTION OF THE WORK

- A. Upon completion of the Aggregate Pier installation, the General Contractor shall be responsible for protection of the work. This includes, but is not limited to, proper site drainage to prevent the collection or ponding of water on or near completed aggregate piers and appropriate control and coordination of earthwork activities and/or subsequent drilling activities in order to prevent damage to completed rammed aggregate piers.

3.6 EXCAVATIONS

- A. Contractor shall coordinate all excavations made subsequent to Aggregate Pier installations so that at least five feet of horizontal distance remains between the edge of any installed aggregate pier and the excavation. Protection of completed aggregate pier elements is the responsibility of the Contractor. In the event that utility excavations are required at horizontal distances of less than five feet from installed aggregate piers, the Contractor shall contact the Aggregate Pier Engineer to develop construction solutions to minimize impacts on the installed aggregate piers.

3.7 FOOTING SUBGRADE PREPARATION

- A. Excavation and surface compaction of all footings shall be the responsibility of the Contractor.
- B. Foundation excavations to expose tops of aggregate pier elements shall be made in a workmanlike manner, and shall be protected until concrete placement, with procedures and equipment tests suited to (1) prevent softening of the matrix soil between and around the aggregate pier elements before pouring structural concrete, and (2) achieving direct and firm contact between the dense, undisturbed aggregate pier elements and the concrete footing.
- C. The following procedures shall be followed during subgrade preparation:
 - 1. Limit over-excavation below the bottom of the footing to 3-inches (including disturbance from the teeth of the excavation equipment).
 - 2. Compaction of surface soil and top of aggregate pier elements shall be prepared using a motorized impact compactor ("Wacker Packer", "Jumping Jack", or similar). Sled-type tamping devices shall not be used. Compaction shall be performed over the entire footing bottom to compact any loose surface soil and loose surface pier aggregate.
 - 3. Place footing concrete immediately after footing excavation is made and approved, preferably the same day as the excavation. Footing concrete must be placed on the same day if the footing is bearing on expansive or sensitive soils.
 - 4. If same day placement of footing concrete is not possible, place a minimum 3-inch thick lean concrete ("mud mat") immediately after the footing is excavated and approved.

- D. The following foundation construction criteria shall be strictly adhered to:
1. Water shall not be allowed to pond in the footing excavation at any time.
 2. The top of aggregate pier elements within each footing shall be exposed in the footing excavation.
 3. Immediately prior to footing construction, the tops of all the aggregate pier elements exposed in each footing excavation shall be inspected and recompact as necessary with mechanical compaction equipment, and the tops of any aggregate pier elements which may have been disturbed by footing excavation and related activity shall be recompact to the original installed density.
 4. No excavations shall be made after installation of aggregate pier elements within a horizontal distance of five feet from the edge of any pier, without the written approval of the Aggregate Contractor/Engineer

END OF SECTION

EQUIPMENT SCHEDULE		ELECTRICAL REQUIREMENTS						PLUMBING REQUIREMENTS			COMMENTS		
KITCHEN		NOTE: AMPS SHOWN ARE ACTUAL POWER USAGE						WATER	DRAIN	GAS			
#	DESCRIPTION	AMPS	WATTS	HP	VOLTS	POLE	DIRECT	PLUS	HOT	COLD	DIRECT	IND.	BTU'S
1	COMMERCIAL CHEST FREEZER	2.6	299	1/3	115			NEMA 5-15P					
2	GLASS DOOR MERCHANDISER	3		1/5	115			NEMA 5-15P					
3	SOLID DOOR REACH-IN REFRIGERATORS & FREEZERS	4.3		1/4	115			NEMA 5-15P					
4	COMMERCIAL MICROWAVE		1000		120			NEMA 5-15P					SITS ON WORK TABLE
5	3.5 QT. WARMER WITH HEATED SPOUT & PUMP		550		120			NEMA 5-15P					SITS ON WORK TABLE
6	PRETZEL DISPLAY CABINET	1.1	130		120/60			NEMA 5-15P					SITS ON WORK TABLE
7	COMMERCIAL POPCORN MACHINE/POPPER	11.25	1320		120			NEMA 5-15P					SITS ON WORK TABLE
8	K-CUP BREWING SYSTEM (SINGLE CUP)		1400		120/60			2-WIRE PLUS GROUND					SITS ON WORK TABLE
9	24"X36" STAINLESS STEEL WORKTABLE				115			NEMA 5-15P					
10	COUNTERTOP FOOD WARMER (AVANTCO FT77WR)	5.8			120			NEMA 5-15P					SITS ON WORK TABLE
11	COMMERCIAL MICROWAVE	10			120			NEMA 5-15P					SITS ON LOWER SHELF
12	COMMERCIAL MICROWAVE	10			120			NEMA 5-15P					SITS ON WORK TABLE
13	HOT DOG ROLLER GRILL (CARNIVAL KING HDRG18)	7.6	910		120			NEMA 5-15P					SITS ON WORK TABLE
14	12"X84" WIRE WALL SHELVING												

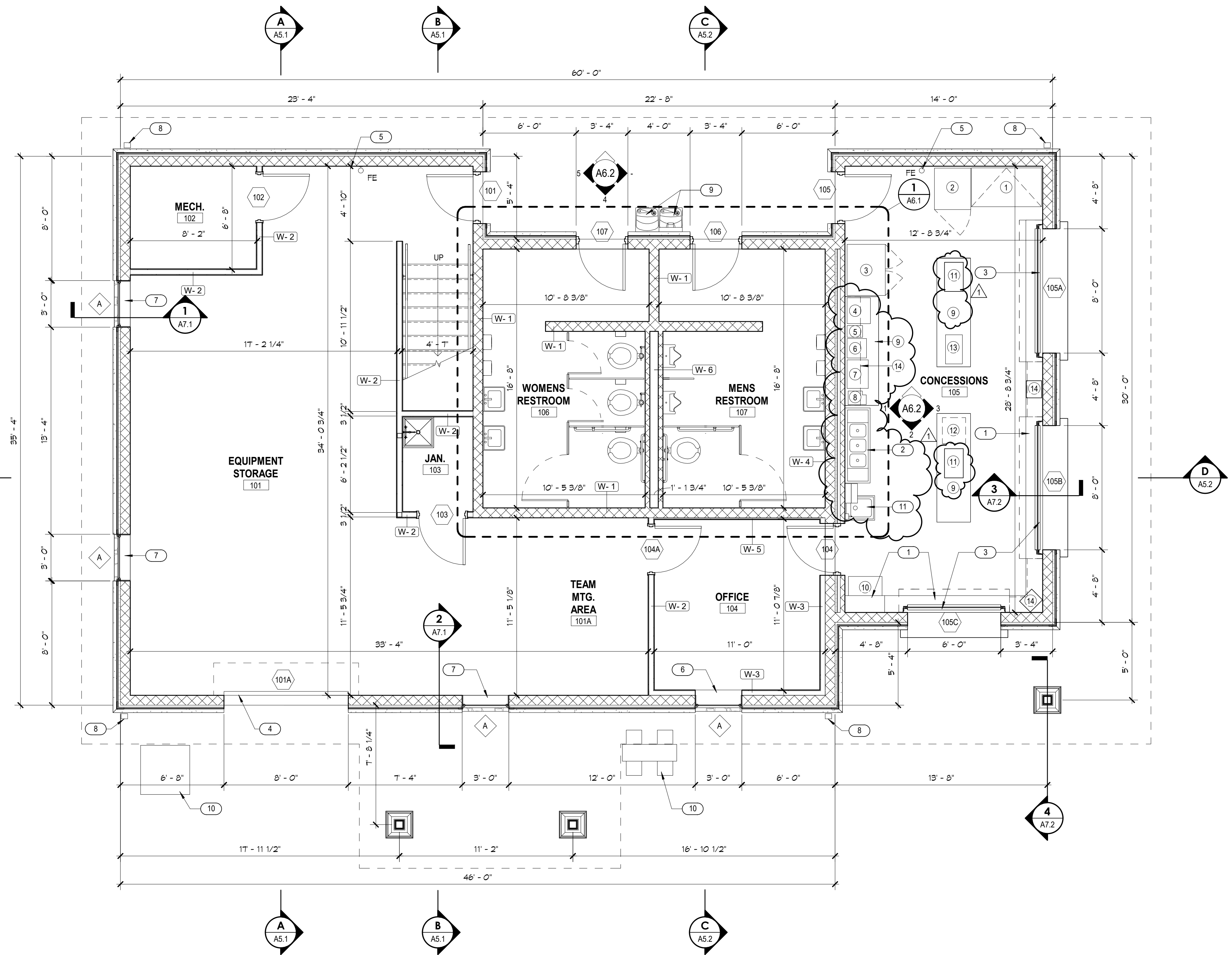
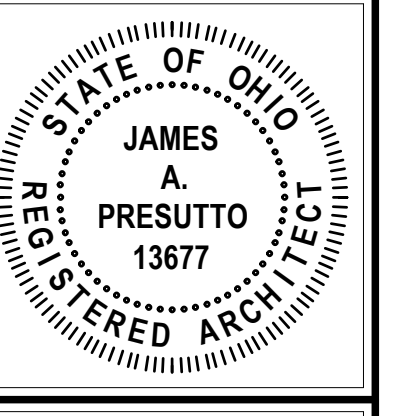
NOTE: ALL EQUIPMENT LISTED IN THE SCHEDULE ABOVE WILL BE PROVIDED AND INSTALLED BY THE OWNER.

GENERAL NOTES- FIRST FLOOR PLAN (A1.1)

1. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE WORK IS STARTED AND COORDINATED THE NEW WORK WITH EXISTING CONDITIONS.
2. ALL DIMENSIONS SHOWN ON DRAWINGS ARE TO FACE OF NEW MASONRY WALLS OR FACE OF STUDS FOR GYP. BD. WALLS, UNLESS NOTED OTHERWISE.
3. IN NO CASE ARE DRAWINGS TO BE SCALED. SIZES, LOCATIONS AND DETAILING SHALL BE AS REQUIRED TO MEET THE INTENT OF THE CONSTRUCTION DOCUMENTS.
4. CONTRACTORS ARE RESPONSIBLE TO FIELD VERIFY CONDITIONS AND TO COORDINATE THEIR WORK WITH THE WORK OF TRADES.
5. ALL WOOD BLOCKING, NAILERS, ETC. IN CONTACT WITH MASONRY, CONCRETE, ETC. OR EXPOSED TO MOISTURE AND/OR EXTERIOR CONDITIONS SHALL BE PRESSURE TREATED (P.T.).
6. ALL OF THE CONCESSION EQUIPMENT WILL BE PROVIDED AND INSTALLED BY THE OWNER. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR FIXTURES, PIPING, AND POWER REQUIREMENTS TO BE PROVIDED AND INSTALLED BY THE CONTRACTOR.

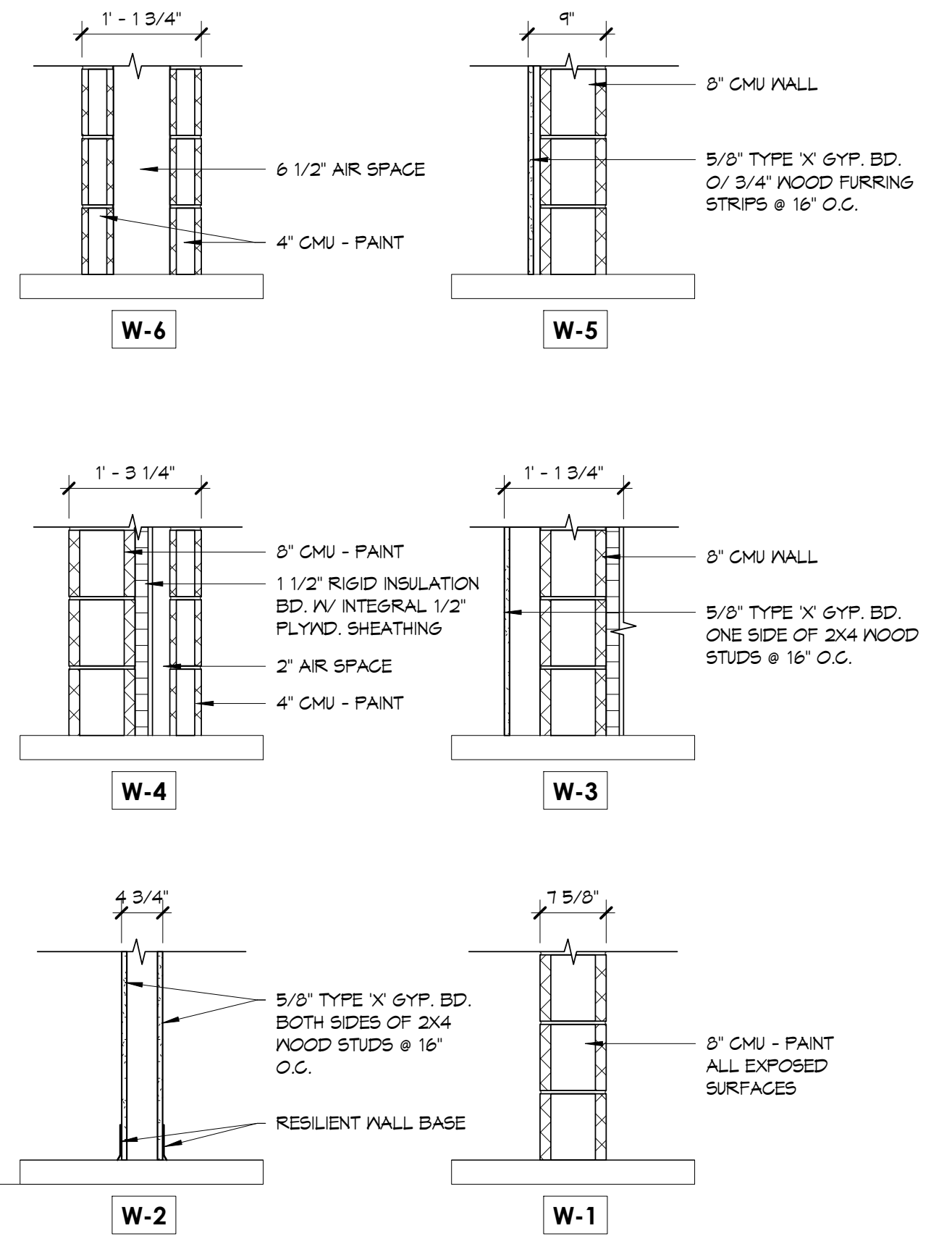
FourPoints
ARCHITECTURAL SERVICES, INC.
2850 S. Arlington Rd.
Suite 200
Akron, Ohio 44312
330.753.9710
www.4points.net

James A. Presutto Exp. 12.31.25

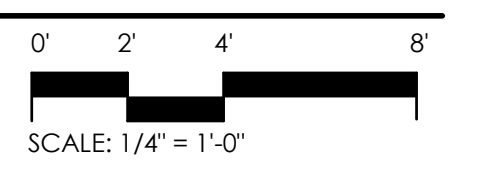


FLOOR PLAN KEYNOTES (A1.1)

1. STAINLESS STEEL COUNTERTOP @ CUSTOM CABINETS/CABINETS
2. STAINLESS STEEL 3-COMPARTMENT SINK W/ FLOOR-MOUNTED GREASE INTERCEPTOR. SEE PLUMBING DRAWINGS FOR PRODUCT INFO AND INSTALLATION DETAILS. THE BUILDING OWNER WILL PROVIDE DETERGENT/SANITIZER.
3. GALVANIZED STEEL ROLLING COUNTER DOOR.
4. GALVANIZED STEEL OVERHEAD ROLLING DOOR.
5. FIRE EXTINGUISHER W/ WALL BRACKET. CONFIRM FINAL NUMBER AND LOCATIONS W/ LOCAL FIRE AUTHORITY.
6. SOLID SURFACE WINDOW SILL.
7. BULLNOSE CMU @ WINDOW SILL - PAINT.
8. PRE-FIN. ALUM. DOWNSPOUT LOCATION.
9. HI-LO EXTERIOR DRINKING FOUNTAIN. SEE PLUMBING DWGS. FOR PRODUCT INFO AND DETAILS.
10. CONDENSING UNIT - SEE MECHANICAL DWGS. FOR PRODUCT INFO AND DETAILS.
11. WALL-MOUNTED HAND SINK. SEE PLUMBING DWGS. FOR PRODUCT INFO AND INSTALLATION DETAILS.



1 FIRST FLOOR PLAN
A1.1 1/4" = 1'-0"



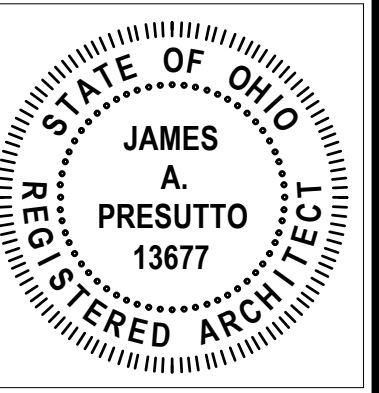
WALL TYPES
3/4" = 1'-0"

COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
LOGAN FIELD
2701 N. TURKEYFOOT RD. AKRON, OHIO 44319

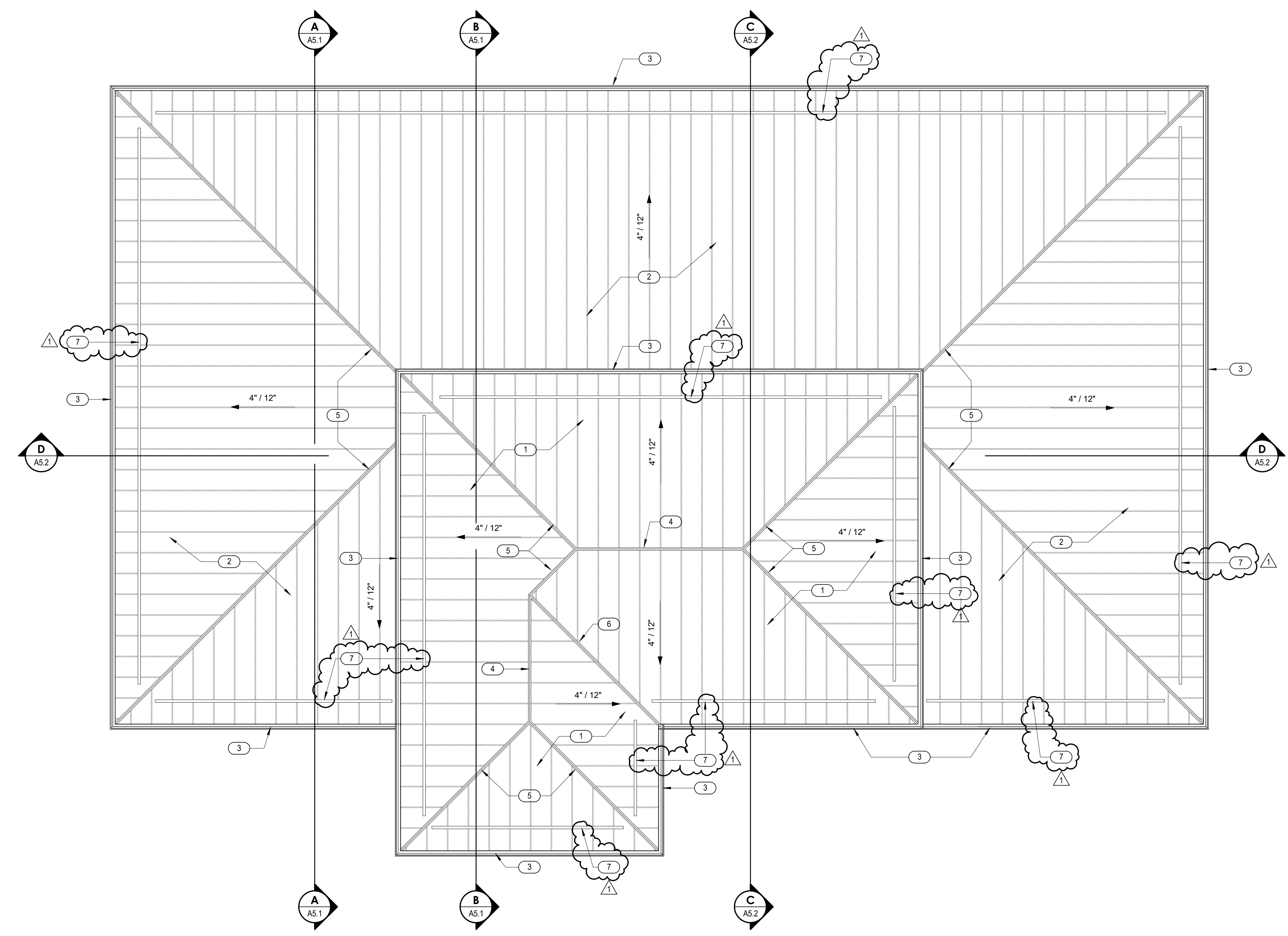
DATE: 04-02-24
DRAFTED: Author
REVISIONS:
A 04-29-24 ADDENDUM NO. 2

FIRST FLOOR PLAN

A1.1
21-025



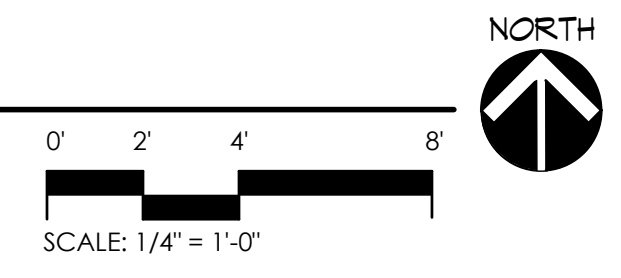
COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
LOGAN FIELD
2701 N. TURKEYFOOT RD., AKRON, OHIO 44319



ROOF PLAN KEYNOTES (A3.1)

- 1 PRE-FINISHED STANDING SEAM METAL ROOF (MR2).
- 2 PRE-FIN. STANDING-SEAM METAL ROOF (MR1).
- 3 PRE-FINISHED ALUM. GUTTER AND DOWNSPOUT SYSTEM
- 4 PRE-FIN. MTL. RIDGE VENT.
- 5 PRE-FIN. MTL. HIP RIDGE VENT.
- 6 PRE-FIN. MTL. VALLEY FLASHING/TRIM.
- 7 PROPOSED LOCATION OF RAIL-TYPE SNOW GUARDS (TWO RAILS)

1
ROOF PLAN
A3.1 1/4" = 1'-0"



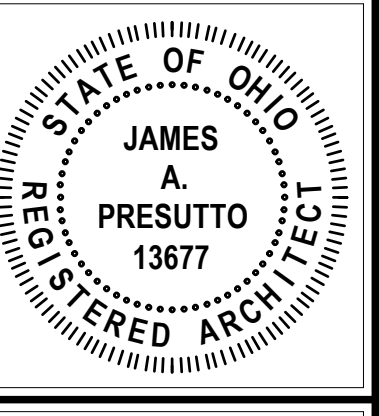
DATE: 04-02-24
DRAFTED: Author
REVISIONS:
△ 04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

ROOF PLAN

A3.1

21-025



COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
 LOGAN FIELD
 2701 N. TURKEYFOOT RD., AKRON, OHIO 44319

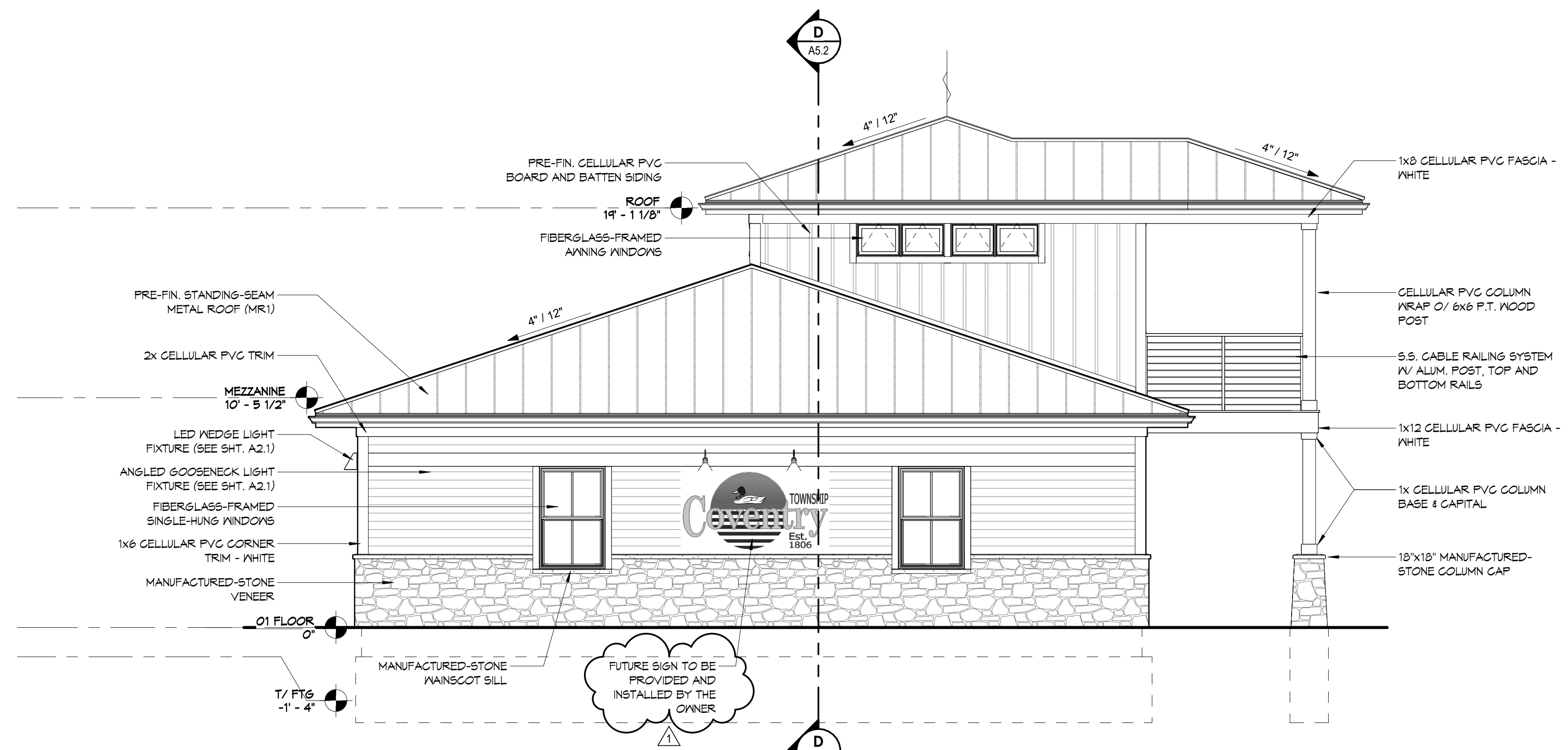
DATE: 04-02-24
 DRAFTED: Author
 REVISIONS:
 Δ 04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specified project for which they have been prepared and developed without the express knowledge and written consent of Four Points Architectural Services, Inc.

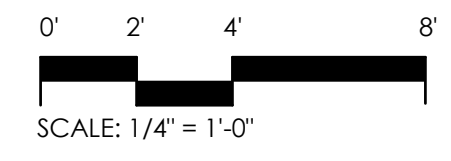
SOUTH AND WEST ELEVATIONS

A4.2

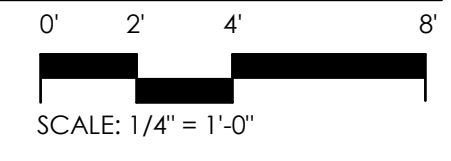
21-025

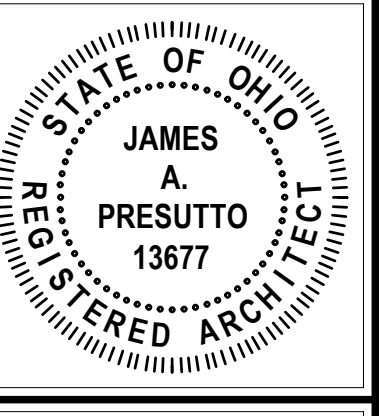


2 WEST ELEVATION
 A4.2 1/4" = 1'-0"



1 SOUTH ELEVATION
 A4.2 1/4" = 1'-0"





COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
LOGAN FIELD
2701 N. TURKEYFOOT RD., AKRON, OHIO 44319

DATE: 04-02-24

DRAFTED: Author

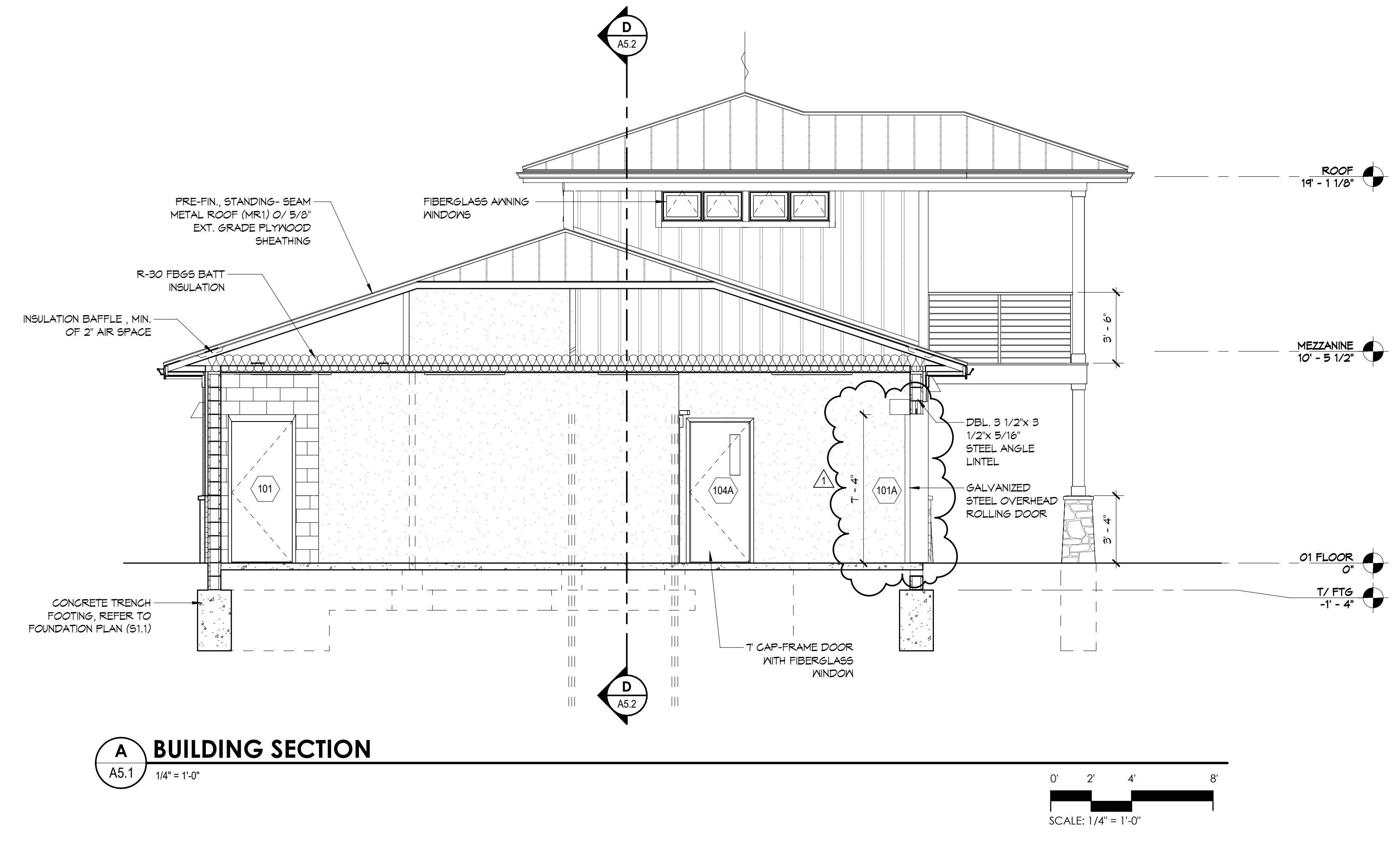
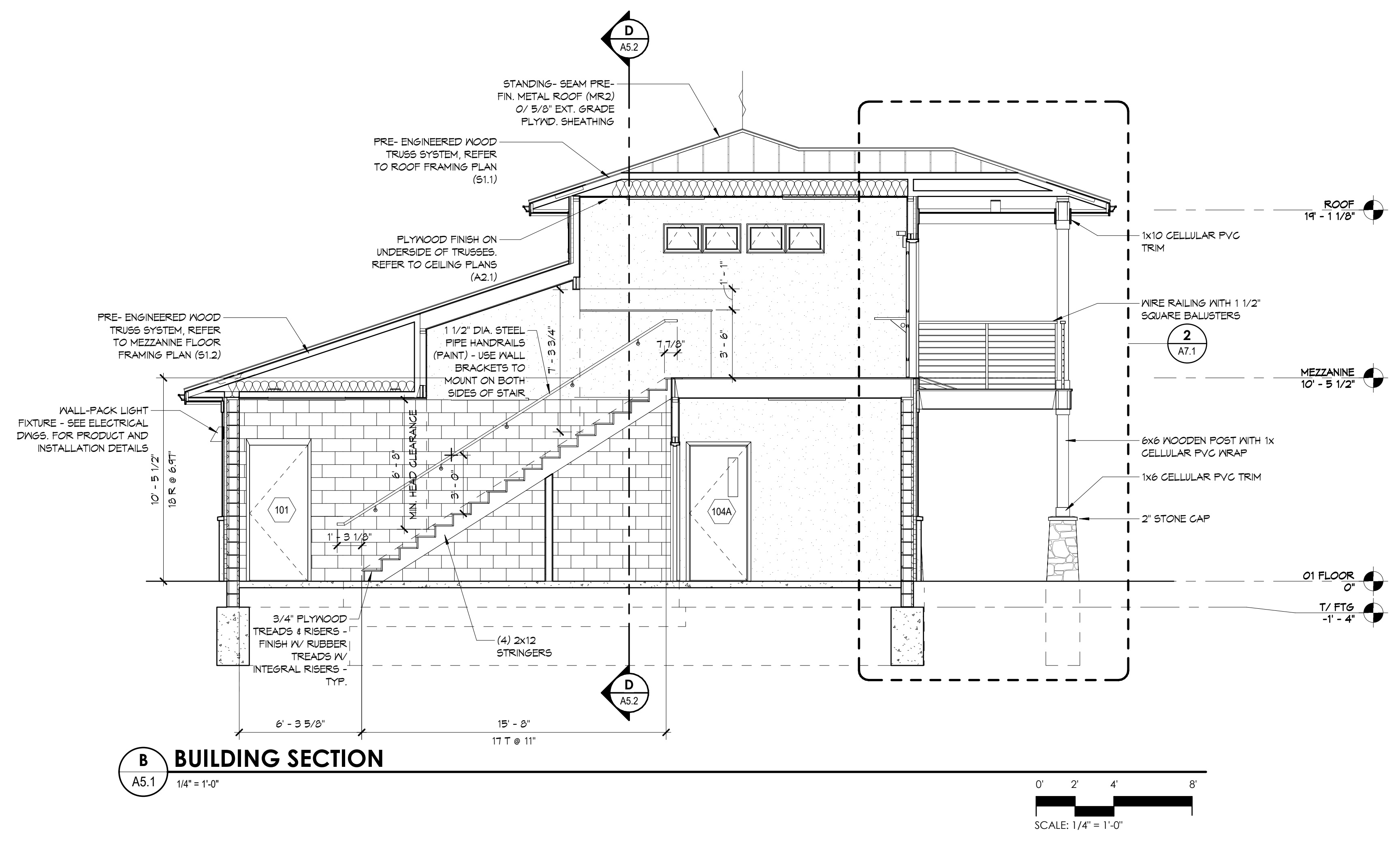
REVISIONS:
△ 04-29-24 ADDENDUM NO. 2

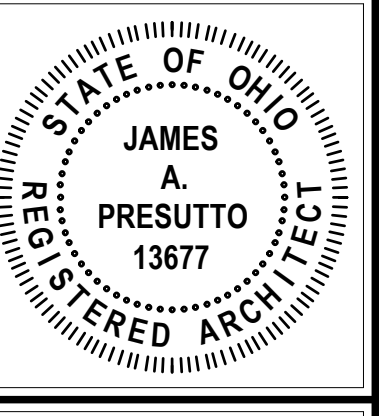
COPYRIGHT 2024 By Four Points Architectural Services. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

BUILDING SECTIONS

A5.1

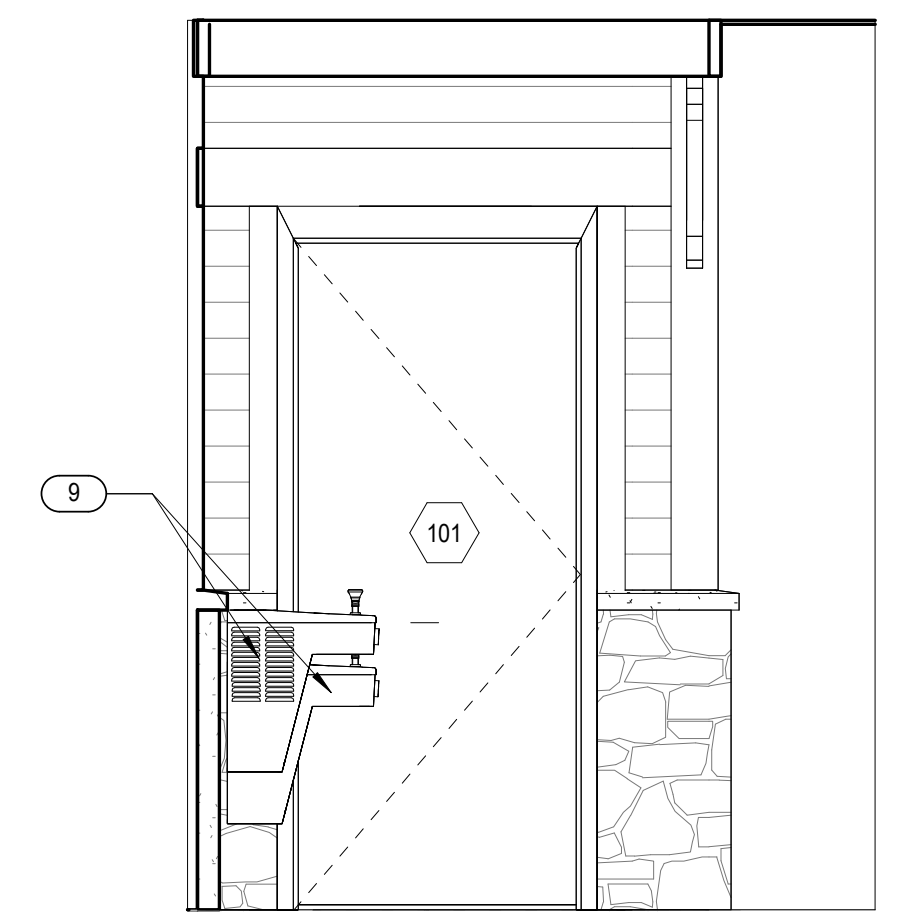
21-025





GENERAL NOTES- INTERIOR ELEVATION (A6.2)

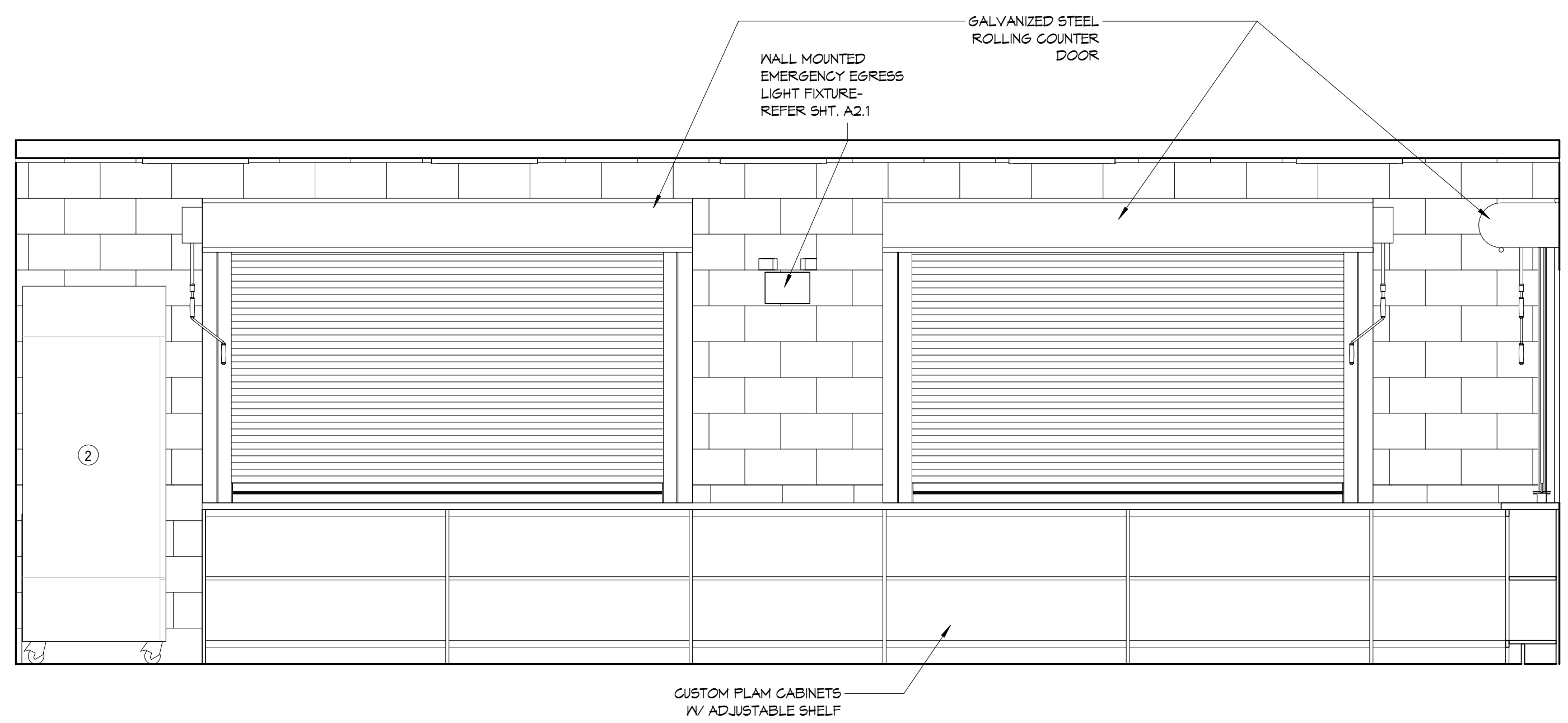
1. REFER TO EQUIPMENT SCHEDULE ON A1.1 FOR CONCESSIONS APPLIANCE INFORMATION
2. REFER TO FLOOR PLAN KEYNOTES ON A1.1 FOR KEYNOTE INFORMATION



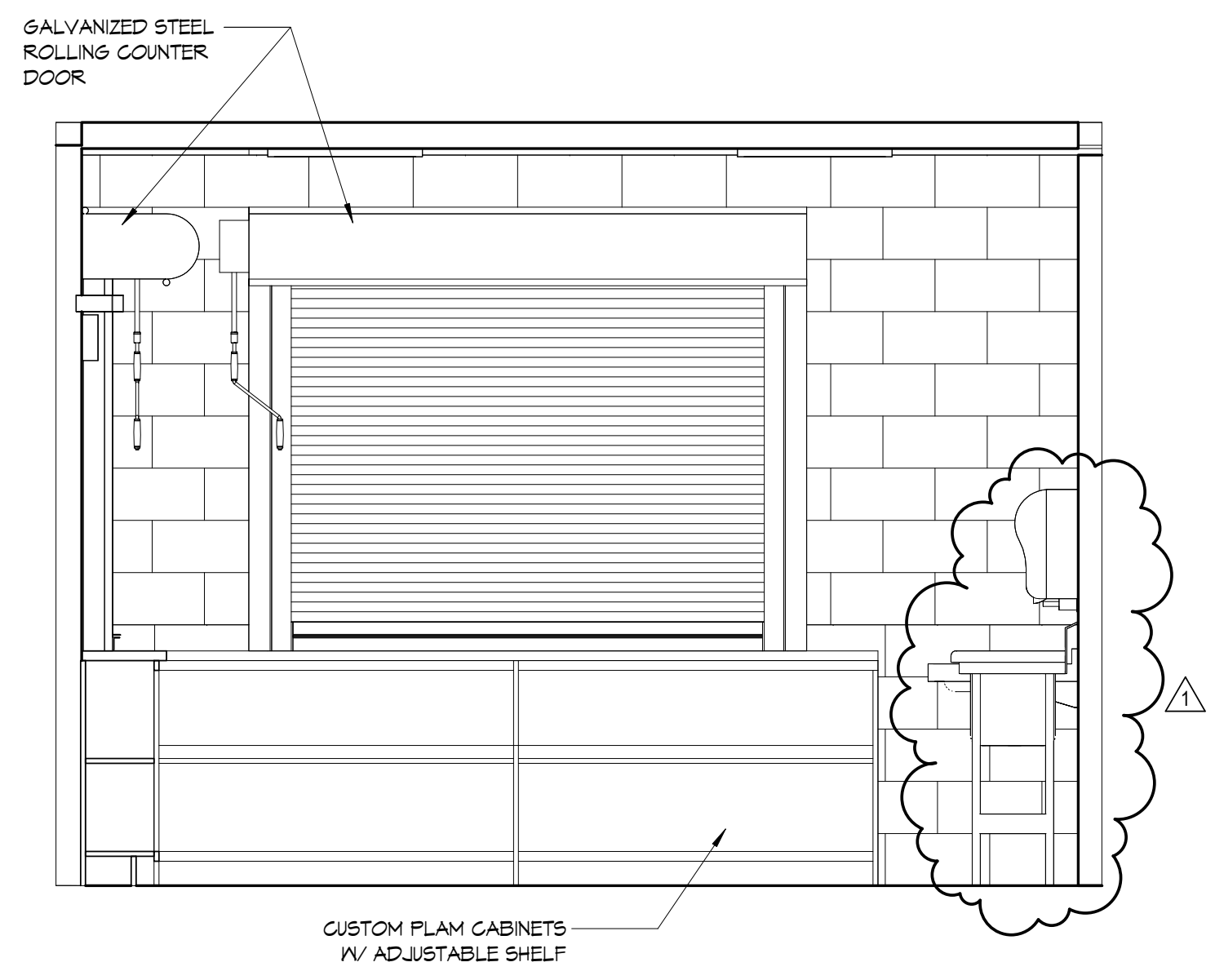
5 EXTERIOR ELEVATION
A6.2 1/2" = 1'-0" ENTRANCE 101 - EAST/ ENTRANCE 105 - WEST MIRRORRED



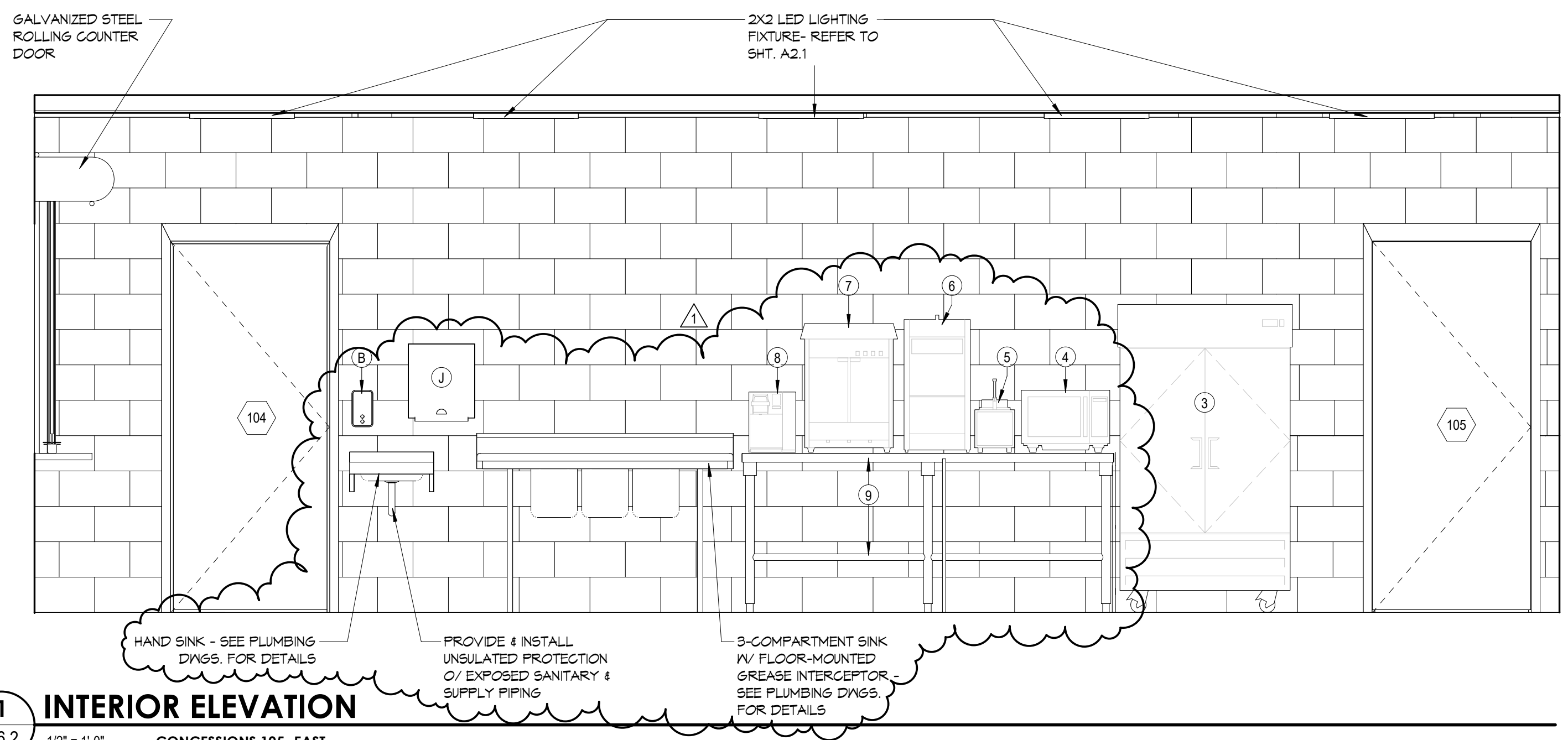
4 EXTERIOR ELEVATION
A6.2 1/2" = 1'-0" RESTROOM ENTRANCE 106/107 - NORTH



3 INTERIOR ELEVATION
A6.2 1/2" = 1'-0" CONCESSIONS 105 - WEST



2 INTERIOR ELEVATION
A6.2 1/2" = 1'-0" CONCESSIONS 105 - NORTH



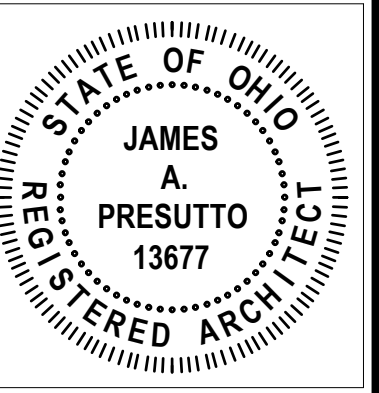
1 INTERIOR ELEVATION
A6.2 1/2" = 1'-0" CONCESSIONS 105 - EAST

DATE: 04-02-24
DRAFTED: Author
REVISIONS:
△ 04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

INTERIOR ELEVATIONS

A6.2
21-025

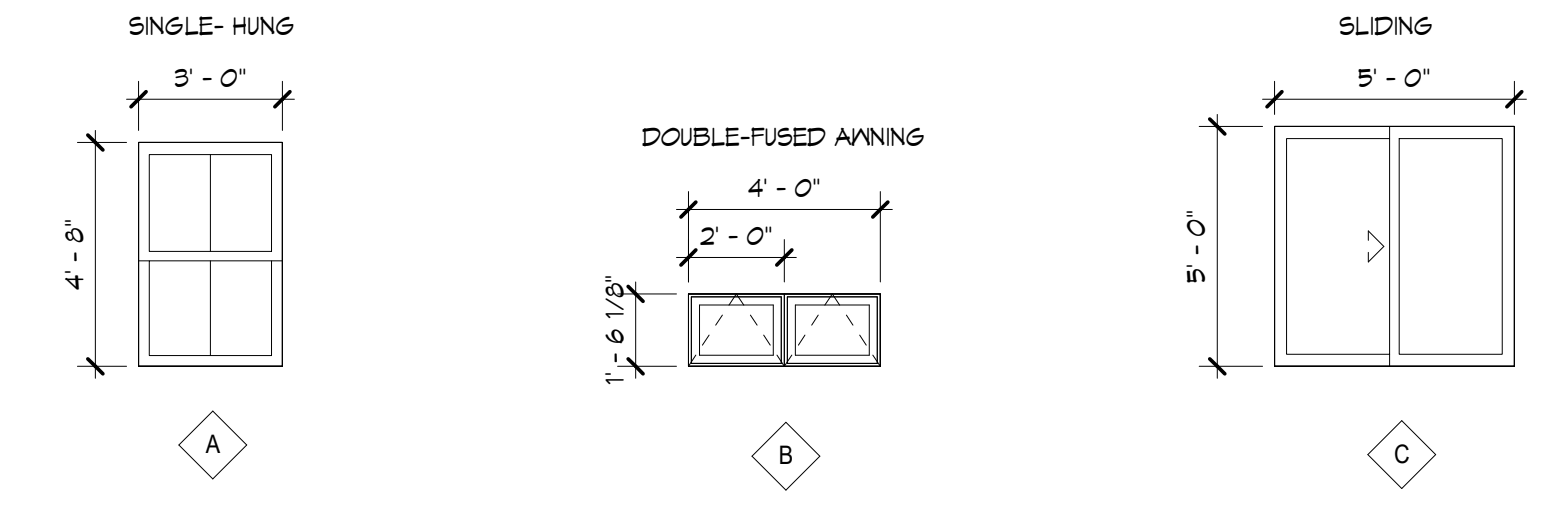


FINISH LEGEND					
FIN TAG	DESCRIPTION	MANUFACTURER	STYLE/PATTERN	COLOR	REMARKS
SC-1	CONCRETE DENSIFIER/SEALER	PROSOCO	CONSOLIDEK LS/CS	CLEAR	
RF-1	RESINOUS FLOORING	SHERWIN WILLIAMS	RESUTILE PERFORMANCE HTS SYSTEM	CLEAR	
LVT-1	LUXURY VINYL TILE	SHAW CONTRACT	CRETE	T.B.D.	INSTALL QUARTER-TURN
RB-1	RUBBER BASE	TARKETT/JOHNSONITE	DURACOVE THERMOPLASTIC RUBBER	T.B.D.	4" COVE
P-1	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL CATALYZED EPOXY	T.B.D.	INTERIOR CMU WALL (TYP.) O/ KEM CATI-COAT HS EPOXY BLOCK FILLER
P-2	PAINT	SHERWIN WILLIAMS	SCUFF TUFF INTERIOR WATER BASED EPOXY	T.B.D.	TYP. FOR GYP. BD. WALLS O/ PROMAR ZERO VOC PRIMER
P-3	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL DTM	T.B.D.	HOLLOW METAL DOORS AND FRAMES
P-4	PAINT	SHERWIN WILLIAMS	PRO INDUSTRIAL CATALYZED EPOXY	T.B.D.	TYP. FOR CMU WALLS IN RESTRM./CONCESSIONS O/ KEM CATI-COAT FILLER
P-5	PAINT	SHERWIN WILLIAMS	PREMIUM CEILING PAINT	WHITE - FLAT	INTERIOR PLYWD. CEILING PANELS AND TRIM O/ PROBLOK LATEX PRIMER
P-6	PAINT	SHERWIN WILLIAMS	DURATION EXTERIOR ACRYLIC LATEX	WHITE - MATCH CELLULAR PVC TRIM	EXTERIOR POLYURETHANE MILLWORK
FRP-1	FIBERGLASS-REINFORCED PANELS	MARLITE	STANDARD FRP	PEBBLED - COLOR T.B.D.	MIN. 4'-0" HIGH; PROVIDE COLOR-MATCH TRIM AT SEAMS & PANEL TOP
PL-1	PLASTIC LAMINATE	FORMICA	5884-58 CHESTNUT WOODLINE		CASEWORK VERTICALS - GRAIN HORIZONTAL
	TOILET PARTITIONS	BOBRICK	SCRC	FOREST GREEN - SC04	

WINDOW SCHEDULE									
Mark	Type	WINDOW			WINDOW DETAILS			Remarks	Level
		Width	Height	Count	Head	Jamb	Sill		
A	default load type catalog	3'-0"	4'-8"	4			2'-8"	01 FLOOR	
B	default load type catalog	2'-0"	1'-6 1/8"	12			3'-0"	MEZZANINE	
C	default load type catalog	5'-0"	5'-0"	2			3'-0"	MEZZANINE	

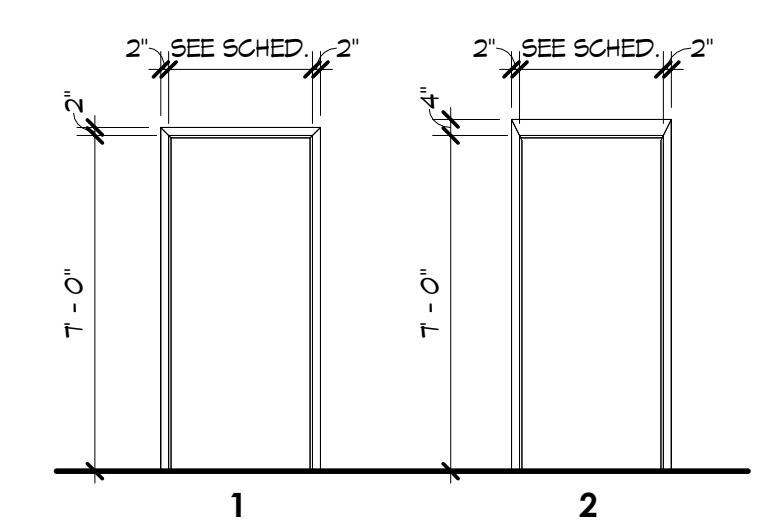
NOTE: ALL WINDOW INFORMATION BASED ON PELLA IMPERVIA SPECS.

WINDOW LEGEND

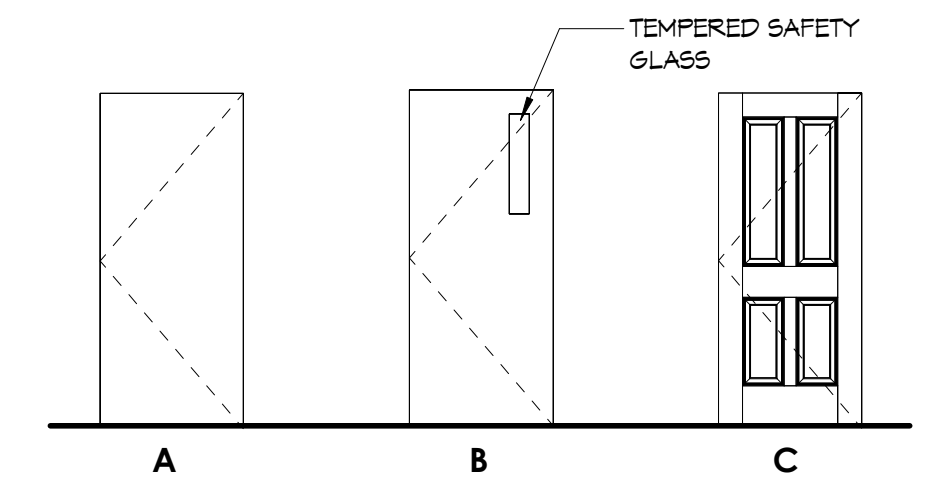


ROOM FINISH SCHEDULE										
RM. NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	MAT	HGT	
101	EQUIPMENT STORAGE	SC-1	RB-1	P-1P-2	P-2	P-1	P-1P-2	PLYWD - P-5	10'-0"	RB-1 ONLY @ GYP. BD.; P-1 ON CMU; P-2 ON GYP. BD.
101A	TEAM MTG. AREA	SC-1	RB-1	P-1	P-2	P-1	-	PLYWD - P-5	10'-0"	RB-1 ONLY @ GYP. BD.; P-1 ON CMU; P-2 ON GYP. BD.
102	MECH.	SC-1	RB-1	P-1	P-2	P-2	P-1	PLYWD - P-5	10'-0"	RB-1 ONLY @ GYP. BD.; P-1 ON CMU; P-2 ON GYP. BD.
103	JAN.	CF-1	RB-1	FRP-1P-2	P-4	P-2	FRP-1P-2	PLYWD - P-5	10'-0"	FRP-1 MIN. OF 4'-0" HIGH; P-2 ON GYP. BD. ABOVE
104	OFFICE	SC-1	RB-1	P-2	P-2	P-2	P-2	PLYWD - P-5	10'-0"	
105	CONCESSIONS	RF-1	-	P-4	P-4	P-4	P-4	PLYWD - P-5	10'-0"	
106	WOMENS RESTROOM	RF-1	-	P-4	P-4	P-4	P-4	PLYWD - P-5	10'-0"	
107	MENS RESTROOM	RF-1	-	P-4	P-4	P-4	P-4	PLYWD - P-5	10'-0"	
201	PA BOOTH STORAGE	LVT-1	RB-1	P-2	P-2	P-2	P-2	PLYWD - P-5	10'-0"	
202	CAMERA DECK	CDB-1	-	-	-	-	-	-	10'-0"	EXTERIOR DECK - NO FINISHED WALLS OR CEILING

DOOR SCHEDULE																	
DOOR NO.	DOOR LOCATION	DR TYPE	DOOR			FRAME						FIRE RTG	HW Set	REMARKS	DOOR NO.		
			WIDTH	HGT	THK	DR MAT	DR FIN	FRM TYPE	FRM SIZE	FRM MAT	FRM FIN					HEAD	JAMB
101	EQUIPMENT STORAGE	A	3'-0"	7'-0"	1 3/4"	HM	PAINT	2	5 3/4"	HM	PAINT				1.0		101
101A	EQUIPMENT STORAGE		8'-0"	7'-4"	3"		MANUF.										OVERHEAD ROLLING DOOR 101A
102	MECH.	A	3'-0"	7'-0"	1 3/4"	HM	PAINT	1	5 3/4"	HM	PAINT				3.0		102
103	JAN.	A	3'-0"	7'-0"	1 3/4"	HM	PAINT	1	5 3/4"	HM	PAINT				3.0		103
104	OFFICE	B	3'-0"	7'-0"	1 3/4"	HM	PAINT	2	5 3/4"	HM	PAINT				4.0		104
104A	OFFICE	B	3'-0"	7'-0"	1 3/4"	HM	PAINT	1	5 3/4"	HM	PAINT				4.0		104A
105	CONCESSIONS	A	3'-0"	7'-0"	1 3/4"	HM	PAINT	2	5 3/4"	HM	PAINT				1.0		105
105A	CONCESSIONS		8'-0"	4'-4"			MANUF.										ROLLING COUNTERTOP DOOR 105A
105B	CONCESSIONS		8'-0"	4'-4"			MANUF.										ROLLING COUNTERTOP DOOR 105B
105C	CONCESSIONS		6'-0"	4'-4"			MANUF.										ROLLING COUNTERTOP DOOR 105C
106	WOMENS RESTROOM	C	3'-0"	7'-0"	1 3/4"	HM	PAINT	2	5 3/4"	HM	PAINT				1.0		106
107	MENS RESTROOM	C	3'-0"	7'-0"	1 3/4"	HM	PAINT	2	5 3/4"	HM	PAINT				1.0		107
110	PA BOOTH STORAGE	C	3'-0"	7'-0"	1 3/4"	HM	PAINT	1	7 3/4"	HM	PAINT				2.0		110



FRAME TYPES



DOOR TYPES

DATE: 04-02-24

DRAFTED: Author

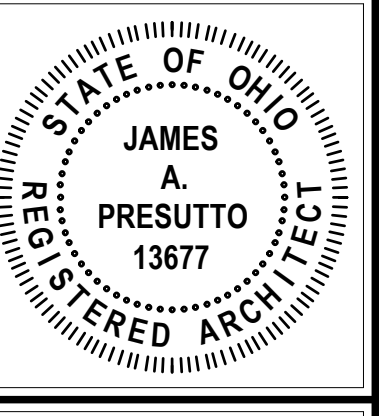
REVISIONS:
04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services, Inc. These drawings and specifications shall remain property of Four Points Architectural Services, Inc. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

MISCELLANEOUS DETAILS

A9.1

21-025



DATE: 04-02-24

DRAFTED: Author

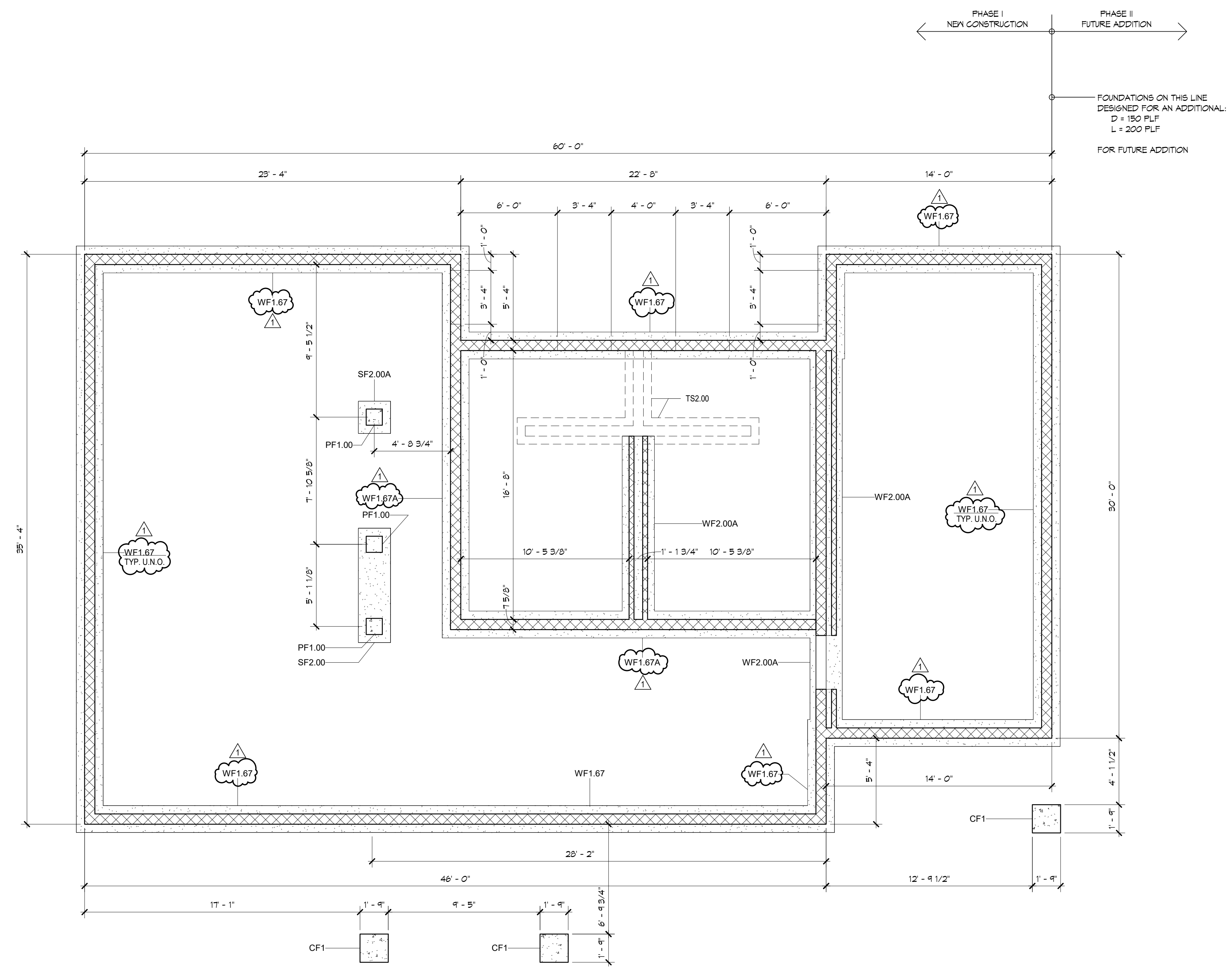
REVISIONS:
04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 by Four Points Architectural Services, Inc. These drawings and specifications shall remain property of Four Points Architectural Services, Inc. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

FOUNDATION PLAN

S1.1

21-025



1 FOUNDATION PLAN
S1.1 1/4" = 1'-0"

Mark	Length Description	SIZE		Foundation Thickness	Elevation at Bottom	Elevation at Top	Comments
		Length	Width				
CF1	1'-9"	1'-9"	1'-9"	4'-0"	-4'-4"	-4"	
PF1.00	1'-0"	1'-0"	1'-0"	1'-0"	-1'-4"	-4"	(SEE NOTE #4)
SF2.00	7' 1 1/8"	7'-1 1/8"	2'-0"	1'-0"	-2'-4"	-1'-4"	
SF2.00A	2'-0"	2'-0"	2'-0"	1'-0"	-2'-4"	-1'-4"	
WF1.33	SEE PLAN	17'-2 3/8"	1'-8"	3'-0"	-4'-4"	-1'-4"	
WF1.67	SEE PLAN	27'-6 3/8"	1'-8"	3'-0"	-4'-4"	-1'-4"	
WF1.67A	SEE PLAN	17'-3 5/8"	1'-8"	1'-0"	-2'-4"	-1'-4"	

GENERAL FOUNDATION NOTES: (S1.1)

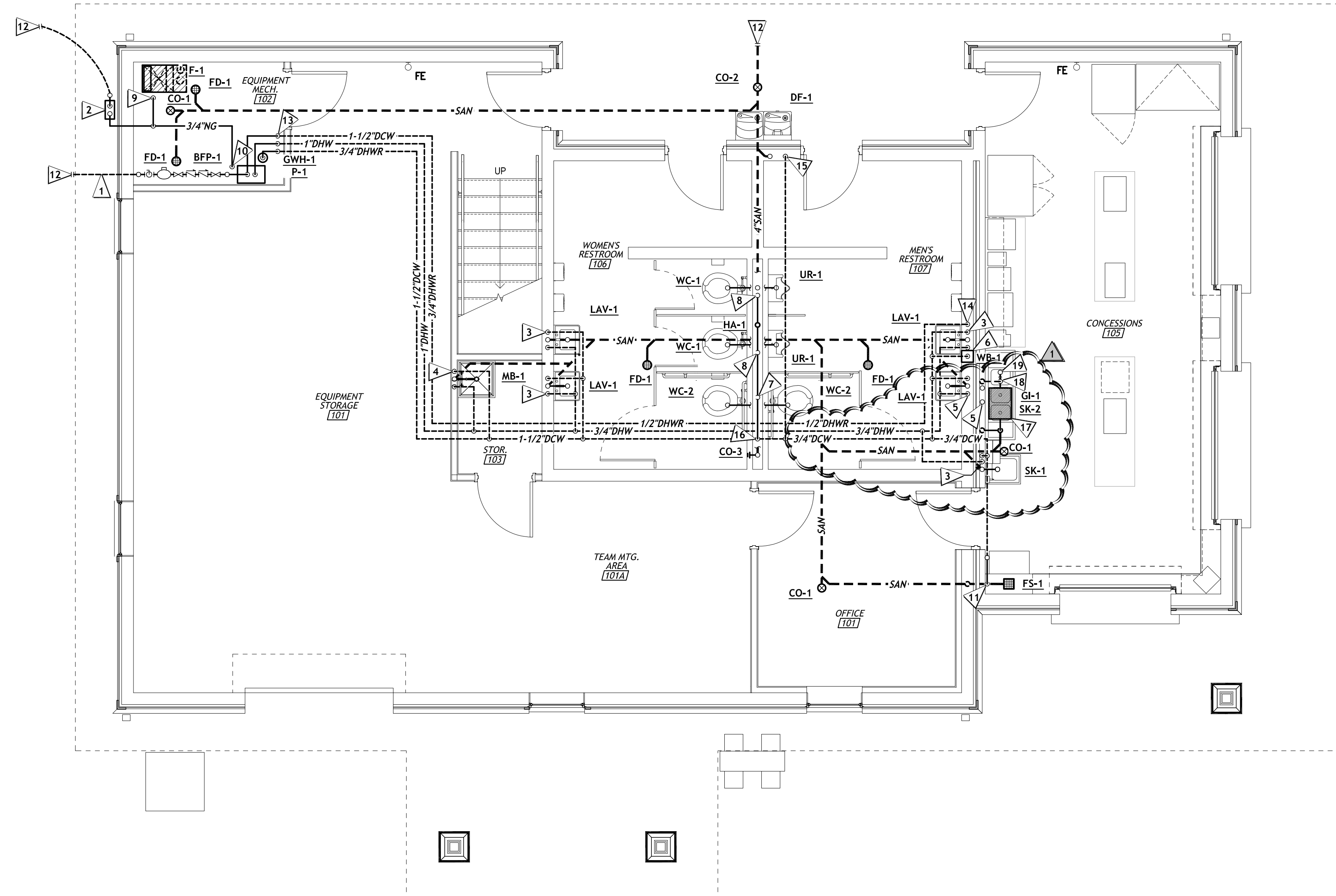
- TOP OF SLAB-ON-GRADE ELEVATION = +0'-0".
- FLOOR CONSTRUCTION: 4" SLAB-ON-GRADE W/ ONE LAYER OF 6x6 - W1.4 x W1.4 W.U.F. PROVIDE VAPOR RETARDER AND 4" LAYER OF GRANULAR FILL (COMPACTED) BELOW SLAB, U.N.O.
- CONTROL JOINT SPACINGS = 12'-0" O.C. MAX, EACH WAY.
- PIER FOUNDATIONS (PF) TO INCLUDE (4) #5 VERTICAL DONELS W/ #3 TIES @ 10" O.C. USE (3) #3 TIES @ 2' O.C. AT TOP OF PF. PROVIDE ABA STANDOFF POST BASES W/ POST-INSTALLED SCREEN ANCHORS FOR POSTS ABOVE.

STRUCTURAL REINFORCING SCHEDULE

MARK	LENGTH	WIDTH	Tmin	LONG	TRANS	DWLS.
WF1.33	-	1'-4"	36"	(2)-#5 T&B	-	#4 @ 48" o.c.
WF1.33A	-	1'-4"	12"	(2)-#5	-	#4 @ 48" o.c.
WF1.67	-	1'-8"	36"	(2)-#5 T&B	-	#4 @ 48" o.c.
WF2.00A	-	2'-0"	12"	(3)-#5	-	#4 @ 48" o.c.
TS2.00	-	2'-0"	12"	(3)-#5	(3)-#5 @ Int. Posts	-

GENERAL STRUCTURAL NOTES:

- A. GENERAL**
- THESE IMPROVEMENTS WERE DESIGNED IN ACCORDANCE WITH STATE OF OHIO BUILDING CODE (O.B.C.), 2011 EDITION.
 - ALL CONSTRUCTION SHALL CONFORM TO THE OHIO BUILDING CODE AND TO OSHA STANDARDS.
 - THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR SAFETY CONDITIONS AT THE SITE.
 - THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS.
- DESIGN LOAD INFORMATION:**
- DEAD LOAD**
1. FLOOR = 10 PSF
- FLOOR LIVE LOAD**
1. OFFICE = 50 PSF
- ROOF LIVE LOADS**
1. LIVE LOAD = 20 PSF
- ROOF SNOW LOAD**
- GROUND SNOW LOAD (Pg) = 20.00 PSF
 - FLAT ROOF SNOW LOAD (Pf) = 20.00 PSF
 - SNOW EXPOSURE FACTOR (Ce) = 1.0
 - SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
 - THERMAL FACTOR, Ct = 1.0
 - RAIN ON SNOW = 5.00 PSF
 - TOTAL DESIGN SNOW LOAD = 20 PSF
- B. FOUNDATIONS**
- SOILS INVESTIGATION BY INTERTEK, PROFESSIONAL SERVICE INDUSTRIES, INC.. PSI PROJECT NO. 01944052 DATED SEPTEMBER 22, 2023.
 - FOUNDATION DESIGN IS BASED ON 2,000 PSF NET ALLOWABLE BEARING PRESSURE ON EXISTING SOILS IMPROVED BY THE INSTALLATION OF RAMMED AGGREGATE PIERS. RAMMED AGGREGATE PIERS SHALL BE DESIGNED BY SUPPLIER. SUBMIT SHOP DRAWINGS AND CALCULATIONS STAMPED BY AN ENGINEER REGISTERED IN OHIO FOR THE RAMMED AGGREGATE PIERS.
 - FOOTING ELEVATIONS SHOWN ON PLANS ARE APPROXIMATE AND SHALL BE FIELD ADJUSTED IF REQUIRED. ALL BEARING ELEVATIONS AND PRESSURES SHALL BE FIELD VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF CONCRETE.
 - BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 3'-6" BELOW FINISH GRADE FOR FROST PROTECTION.
 - ALL GEOTECHNICAL WORK SHALL BE CONDUCTED IN COMPLIANCE WITH THE RECOMMENDATIONS OF THE ABOVE SOILS INVESTIGATION. NOTIFY STRUCTURAL ENGINEER OF ANY UNUSUAL SOIL CONDITIONS THAT ARE IN VARIANCE WITH THE GEOTECHNICAL REPORT.
 - BACKFILL AND FILL MATERIALS SHALL CONSIST OF MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
 - STRUCTURAL FILL UNDER FOOTINGS AND SLAB-ON-GRADE SHALL BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR (ASTM D698) MAX. DRY LABORATORY DENSITY. COMPACTED STRUCTURAL FILL UNDER FOOTINGS SHALL EXTEND OUTSIDE OF THE FOOTING A MINIMUM OF 3/4 THE DEPTH OF COMPACTION. ALL FILL SHALL BE TESTED FOR IN-PLACE DENSITY TO ASSURE THAT THE COMPACTION RECOMMENDATIONS ARE ATTAINED.
 - INTERIOR SLAB-ON-GRADE SHALL BE SUPPORTED BY A MINIMUM 4" LAYER OF AGGREGATE BASE COMPACTED TO 98% OF STANDARD PROCTOR. SUBGRADE REACTION SHALL BE Ks = 14 PCl MINIMUM.
 - BRING BACKFILL UP EVENLY ON BOTH SIDES OF FOUNDATION WALLS.
- C. CONCRETE AND REINFORCING STEEL**
- ALL CONCRETE SHALL CONFORM TO THE FOLLOWING REFERENCED STANDARDS:
ACI 318-14: BUILDING CODE REQUIREMENT FOR REINFORCED CONCRETE. ACI 315: DETAILS AND DETAILING OF CONCRETE REINFORCEMENT. ACI 308: RECOMMENDED PRACTICES FOR HOT WEATHER CONCRETING. ACI 306: RECOMMENDED PRACTICES FOR COLD WEATHER CONCRETING.
2. CAST-IN-PLACE CONCRETE FOR SPREAD FOOTINGS SHALL BE 3000 PSI (W/C RATIO = 0.50) AT 28 DAYS.
3. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE-60.
- D. MASONRY**
- ALL DESIGN, MATERIALS, LABOR AND CONSTRUCTION OF THE MASONRY SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13/ASCE 5-13/TMS 402-13) AND THE SPECIFICATION FOR MASONRY STRUCTURES (ACI 530-13/ASCE 6-13/TMS 602-13).
 - ALL BRICK AND CONCRETE MASONRY AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF BRICK INDUSTRY ASSOCIATION AND THE NATIONAL CONCRETE MASONRY ASSOCIATION AND MINIMUM REQUIREMENTS ESTABLISHED AS REFERENCED IN THE APPLICABLE BUILDING CODE.
 - ALL HOLLOW CONCRETE BLOCK SHALL CONFORM TO ASTM C-90 WITH A NET COMPRESSIVE STRENGTH OF 2000 PSI.
 - MORTAR SHALL BE ASTM C 270, TYPE "S", SPECIFIED BY PROPORTION WITH A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI. AGGREGATE FOR MORTAR SHALL BE ASTM C 144. AGGREGATE FOR GROUT ASTM C404.
- E. WOOD FRAMING**
- ALL WOOD SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, NDS (ANSI/AWC NDS-2015 EDITION) AND THE 2011 OHIO BUILDING CODE CHAPTER 23.
 - JOISTS, RAFTERS, STUDS & HEADERS-(6FF, NO.1,NO.2, DOUGLAS FIR OR SOUTHERN PINE), DESIGN VALUES SHALL EQUAL OR EXCEED THE FOLLOWING:
.A. Fd = 875 P.S.I.
.B. Fv = 135 P.S.I.
.C. E = 1,400,000 P.S.I.
 - NAILING OF ALL FRAMING MEMBERS SHALL MEET THE RECOMMENDED FASTENING SCHEDULE (TABLE 2304.10.1) CONTAINED IN THE OBC, CHAPTER 23.
 - LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL): DESIGN VALUES SHALL EQUAL OR EXCEED THE FOLLOWING:
.A. Fd = 2600 P.S.I. BENDING
.B. Fv = 295 P.S.I. HORIZONTAL SHEAR
.C. Fc = 2350 P.S.I. IN COMPRESSION PARALLEL TO GRAIN
.D. E = 2,000,000 P.S.I.



FIRST FLOOR - PLUMBING PLAN
SCALE: 1/4" = 1'-0"

DESIGN NOTE:
CONCESSION STAND IS INTENDED FOR WARMING OF FOODS ONLY AND IS NOT TO BE UTILIZED FOR COMMERCIAL FOOD PREP OR WARE WASHING PRODUCING FATS, OILS, OR GREASE.

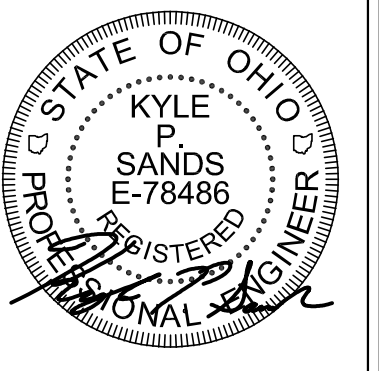
GENERAL PLUMBING PROJECT NOTES:

1. PLUMBING VENTS SHALL BE LOCATED A MINIMUM OF 10'-0". FROM ALL OUTDOOR AIR INTAKES.
2. NATURAL GAS PIPING EXPOSED TO ELEMENTS SHALL BE PAINTED WITH TWO COATS OF RUST PROHIBITED PAINT. COORDINATE FINAL COLOR OF PAINT WITH OWNER AND ARCHITECT. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
3. PVC PIPING SHALL NOT BE ALLOWED WITHIN A RETURN AIR PLENUM. ALL PIPING UTILIZED IN A RETURN AIR PLENUM IS TO BE LABELED BY THE MANUFACTURER WITH A FLAME-SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS AS TESTED UNDER ASTM E 84.
4. REFER TO ARCHITECTURAL PLANS AND DETAILS FOR EXACT DIMENSIONS, ELEVATIONS AND LOCATIONS OF EQUIPMENT AND FIXTURES.
5. PLUMBING PIPING INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES AS TO NOT HINDER ACCESS TO EQUIPMENT. INSTALLATION OF PIPING SHALL ENABLE ACCESS TO VALVES ABOVE CEILING WHILE ALLOWING MINIMUM OF 8" CLEAR FOR CEILING REMOVAL.
6. REFER TO PLUMBING ISOMETRICS FOR ANY SANITARY AND VENT SIZES NOT INDICATED ON THE PLANS.
7. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR DESIGN REQUIREMENTS OF PENETRATIONS THROUGH STRUCTURAL ELEMENTS.
8. THE PLUMBING CONTRACTOR TO VERIFY INVERT ELEVATIONS AND LOCATION OF EXISTING UNDERGROUND SANITARY WASTE PIPING IN FIELD PRIOR TO CONSTRUCTION. NOTIFY OWNER AND ARCHITECT IMMEDIATELY IF DRAINAGE BY GRAVITY CANNOT BE ACHIEVED. DRAWINGS BASED ON ORIGINAL DESIGN DOCUMENTS, CURRENT ELEVATIONS UNKNOWN.
9. EXISTING UNDERFLOOR SANITARY IS ASSUMED FROM LOCATION OF EXISTING CLEANOUTS. THE PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION OF PIPING PRIOR TO ANY SAW-CUTTING.
10. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING NECESSARY TO REPAIR DAMAGE CAUSED BY THE INSTALLATION ACTIVITIES PERFORMED BY THE CONTRACTOR. ALL REPAIRED WALLS, CEILINGS, FLOORS, ETC... SHALL MATCH EXISTING CONDITIONS.

REFERENCE NOTES:

- (THESE NOTES APPLY TO THIS PLAN ONLY)
- 1 NEW 1-1/2" WATER SERVICE WITH WATER METER AND REDUCED PRESSURE BACKFLOW PREVENTER INSTALLED PER CITY OF AKRON WATER UTILITY REQUIREMENTS. MAINTAIN MINIMUM OF TEN FEET FROM SANITARY SEWER UNDERGROUND.
 - 2 NEW NATURAL GAS SERVICE INCLUDING GAS METER, MANIFOLD, RISER KIT AND PRESSURE REGULATOR TO BE PROVIDED AND INSTALLED BY LOCAL NATURAL GAS UTILITY COMPANY. REFER TO SITE PLAN FOR CONTINUATION. PROVIDE SHUT OFF VALVE ON DISCHARGE SIDE OF METER. TOTAL CONNECTED LOAD = 259 CFH
 - 3 EXTEND 1/2" DCW/DHW UP TO LAVATORY.
 - 4 EXTEND 1/2" DCW/DHW UP TO MOP BASIN W/ STOP/CHECK VALVES
 - 5 1/2" DCW/DHW UP IN WALL EXTEND 1/2" DCW/DHW TO LAVATORY. EXTEND 1/2" DCW/DHW TO 3-COMPARTMENT SINK
 - 6 EXTEND 1/2" DCW WITH SHUT-OFF VALVE, WATER FILTER (WF-1) AND ASSE 1022 BACKFLOW PREVENTER (BFP-2) TO COFFEE MAKER.
 - 7 1" DCW UP IN WALL. EXTEND 1" DCW TO EACH WATER CLOSET.
 - 8 1" DCW UP IN WALL. EXTEND 3/4" DCW TO URINAL AND 1" DCW TO WATER CLOSET.
 - 9 EXTEND 3/4" NG DOWN TO F-1 WITH SHUTOFF VALVE, DIRT LEG AND UNION. (60 CFH)
 - 10 EXTEND 3/4" NG DOWN TO GWH-1 WITH SHUTOFF VALVE, DIRT LEG AND UNION. (199 CFH)
 - 11 EXTEND 3/4" DCW DOWN WITH SHUT-OFF VALVE, WATER FILTER (WF-1), AND ASSE 1022 BACKFLOW PREVENTER (BFP-2) UP TO ICE MACHINE. INDIRECT 3/4" AND 1" DRAIN FROM ICE MACHINE AND ICE BIN TO FLOOR DRAIN WITH AIR GAP.
 - 12 REFER TO CIVIL PLANS FOR CONTINUATION.
 - 13 EXTEND 1-1/2" DCW, 1" DHW, AND 3/4" DHWR TO UNDERGROUND AND ROUTE TO FIXTURES AS INDICATED. PROVIDE SHUT-OFFS PRIOR TO GOING UNDERGROUND.
 - 14 CONNECT DHWR TO DHW WITH SHUTOFF VALVE, CHECK VALVE, AND BALANCE VALVE IN WALL. SET BALANCE VALVE TO 1.0 GPM. PROVIDE ACCESS PANEL.
 - 15 1/2" DCW UP TO DRINKING FOUNTAIN.
 - 16 1-1/4" DCW UP IN WALL THRU CHASE. EXTEND DCW TO ALL FIXTURES AS INDICATED.
 - 17 FLOOR MOUNTED GREASE INTERCEPTOR. INTERCEPTOR SHALL BE RECESSED INTO FLOOR TO ALLOW INDIRECT CONNECTION FROM 3-COMPARTMENT SINK.
 - 18 FLOW CONTROL DEVICE WITH VENT.
 - 19 INDIRECT 3-COMPARTMENT SINK INTO HUB DRAIN.

FOURPOINTS
ARCHITECTURAL SERVICES, INC.
2850 S. Arlington Rd.,
Suite 200
Akron, Ohio 44312
330.753.9710
330.753.9715 fax



COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
LOGAN FIELD
2710 N. TURKEYFOOT RD., AKRON, OHIO 44319

DATE: 02-26-24

DRAFTED: EPIC

REVISIONS:
1 04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

EPIC
ENGINEERING GROUP, LLC
CONSULTING ENGINEERS
3730 Tobs Drive, Suite 200
Uniontown, Ohio 44685
330.899.4955 | epic-eeg.com

PLUMBING
FLOOR PLAN

P1.0

21-025

NATURAL GAS LOAD SCHEDULE

TAG	EQUIPMENT TYPE	LOAD (CFH)
F-1	FURNACE	60.0
GWH-1	WATER HEATER	199.0

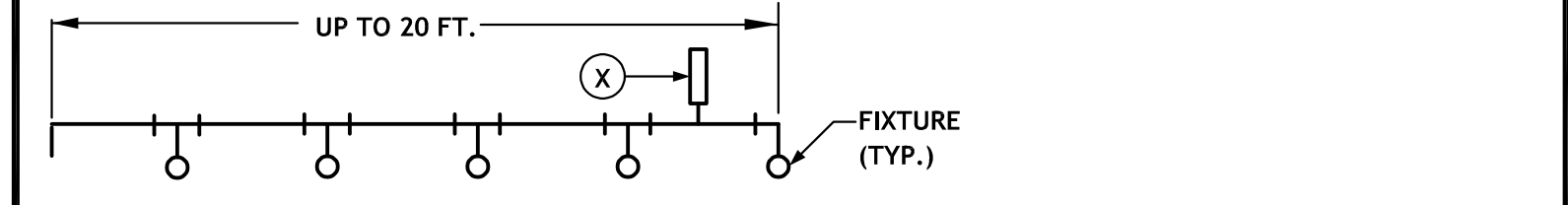
TOTAL CONNECTED LOAD (CFH)	1806.0
ESTIMATED DEVELOPED LENGTH (FT)	350
REQUESTED NATURAL GAS PRESSURE *	7" W.C.

REMARKS:
 1. NATURAL GAS PIPE SIZING BASED ON 2018 INTERNATIONAL FUEL GAS CODE, SECTION 402.4.2 'BRANCH LENGTH METHOD' AND TABLE 402.4 FOR METALLIC PIPE.
 2. CONTRACTOR SHALL INSTALL GAS METER, PRESSURE REGULATOR, AND ALL ASSOCIATED VALVING AS PER THE LOCAL NATURAL GAS COMPANY REQUIREMENTS.
 3. OWNER IS REQUIRED TO SUBMIT FINAL APPLICATION TO NATURAL GAS UTILITY FOR SERVICE. OWNER/CONTRACTOR SHALL NOTIFY ARCHITECT AND ENGINEER IMMEDIATELY IF THERE IS AN ISSUE WITH THE REQUESTED SERVICE.
 * THE ABOVE REQUESTED PRESSURE INDICATED IS FOR THE AFTER METER HOUSING.

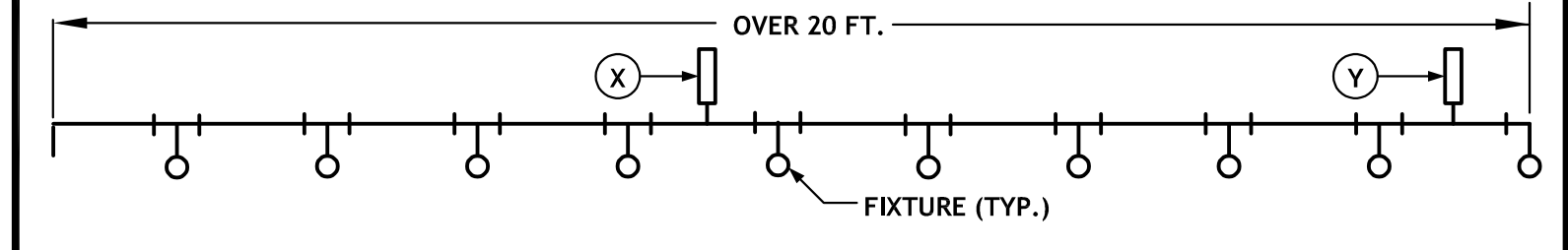
WATER HAMMER ARRESTER SCHEDULE

P. D. I. SYMBOL	MANUFACTURE	MODEL NO.	CONNECTION SIZE	FIXTURE UNIT RATING	REMARKS
"A"	J.R. SMITH	5005	3/4"	1-11	THREADED NIPPLE CONNECTION
"B"	J.R. SMITH	5010	1"	12-32	THREADED NIPPLE CONNECTION
"C"	J.R. SMITH	5020	1"	33-60	THREADED NIPPLE CONNECTION

RULE 1:
 THE PREFERRED PLACEMENT LOCATION IS AT THE END OF THE BRANCH LINE BETWEEN THE LAST TWO FIXTURES IN A BRANCH LESS THEN 20 FEET.



RULE 2:
 IN LINES THAT EXCEED 20 FT. IN LENGTH, THE SUM OF THE FIXTURE UNIT RATINGS OF UNITS (X) & (Y) SHALL BE EQUAL TO OR GREATER THAN THE DEMAND OF BRANCH.



GAS-FIRED WATER HEATER SCHEDULE (INSTANTANEOUS)

TAG ID	MANUFACTURER	MODEL	STORAGE (GAL)	GAS DATA				WATER DATA		ELECTRICAL DATA			RELIEF PRESSURE (PSIG)	OPERATING WEIGHT (LBS)	REMARKS	
				FUEL TYPE	INPUT / OUTPUT (MBH)	# OF STAGES	AFUE (%)	FLOW (GPM)	ΔT (°F)	VOLT	PHASE	FLA / MCA				MOC
IWH-1	AO SMITH	ACT-199	-	NAT. GAS	199 / 185	MOD.	93	10	- / -	115	1	- / -	-	150.0	71	ALL

REMARKS:
 1. ACCEPTABLE MANUFACTURERS: (COMMERCIAL): AO SMITH, LOCHINVAR, NAVIEN, RHEEM, RINNAI.
 2. ACCEPTABLE MANUFACTURERS: (RESIDENTIAL): AO SMITH, BOSCH, LOCHINVAR, NAVIEN, RINNAI.
 3. MOUNT ON MINIMUM 4" HIGH CONCRETE PAD.
 4. PROVIDE WITH CONCENTRIC INTAKE/FLUE TERMINATION KIT AND INTEGRAL DISCONNECT SWITCH.
 5. UNIT SHALL BE ASME RATED.
 6. ANTRON MODEL 'ST-5C' BLADDER TYPE EXPANSION TANK OR EQUAL, 150 PSIG / 200 DEG. F. MAXIMUM WORKING PRESSURE / TEMPERATURE, NSF 61 CERTIFIED, 0.9 GALLON ACCEPTANCE VOLUME.

PUMP SCHEDULE

TAG ID	MANUFACTURER	MODEL	TYPE	SERVICE	SIZE (IN)	GPM	FT. OF HEAD	RPM	HP	VOLTAGE	PHASE	WEIGHT (LBS)	REMARKS
P-1	TACO	006-B4-2PNP	CIRCULATING	140° F HW	3/4	0-10	-	3250	0.52	115	1	7	1, 2

REMARKS:
 1. ACCEPTABLE MANUFACTURERS: ARMSTRONG, BELL & GOSSETT, GRUNDFOS, PACO.
 2. PROVIDE 7 DAY PROGRAMMABLE DIGITAL TIMER WITH 10 ON/OFF PROGRAM SETTINGS AND 100 HOUR SETTING BACKUP CAPABILITY, 95-115 DEG. F. AQUASTAT, BRONZE CONSTRUCTION WITH UNION CONNECTIONS, 125 PSIG / 230 DEG. F. MAXIMUM WORKING PRESSURE / TEMPERATURE.

PLUMBING FIXTURE & CONNECTION SCHEDULE

TAG ID	FIXTURE TYPE	MANUFACTURER	MODEL	DCW SIZE (IN)	DHW SIZE (IN)	SAN SIZE (IN)	VENT SIZE (IN)	DESCRIPTION	REMARKS
BFP-1	BACKFLOW PREVENTER	ZURN	975XL2	SEE PLANS	-	-	-	ASSE 1013 LISTED, LEAD FREE, REDUCED PRESSURE PRINCIPLE ASSEMBLY, PROVIDE W/ INTEGRAL BALL VALVES, STRAINER & AIR GAP FITTING PIPED TO NEAREST DRAIN	1, 2
BFP-2	BACKFLOW PREVENTER	ZURN	740F	3/8	-	-	-	ASSE 1022 LISTED, LEAD FREE DUAL CHECK BACKFLOW PREVENTER WITH ATMOSPHERIC VENT FOR CARBONATED AND NON CARBONATED BEVERAGE DISPENSERS. NO COPPER TO BE USED DOWNSTREAM OF DEVICE AND PIPING MUST BE COMPATIBLE WITH CARBON DIOXIDE.	1, 2
CO-1	INTERIOR CLEANOUT	JR SMITH	4020S	-	-	SEE PLANS	-	ROUND SCORATED SECURED NICKEL BRONZE TOP OR TOP TO MATCH FLOOR FINISH AND FLOOR TYPES. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR FINISHES.	1
CO-2	EXTERIOR CLEANOUT	JR SMITH	4250	-	-	SEE PLANS	-	POUR CONCRETE AROUND CLEANOUT UP TO GRADE.	1
CO-3	WALL CLEANOUT	JR SMITH	4472	-	-	SEE PLANS	-	WALL CLEANOUT WITH ROUND STAINLESS STEEL COVER WITH THREADED COVER.	1
DF-1	DRINKING FOUNTAIN	ELKAY	EDFP217C	1/2	-	1-1/2	1-1/2	BI-LEVEL, INTEGRAL FLOW REGULATOR, STAINLESS STEEL BASIN & WALL PANEL, PROVIDE W/ MOUNTING PLATE	1, 2, 4
FS-1	FLOOR SINK	JR SMITH	305	-	-	SEE PLANS	SEE PLANS	SANI-CEPTOR RECEPTOR DRAIN, CAST IRON RECEPTOR WITH ACID RESISTANT COATING, NICKEL BRONZE RIM, SECURED GRATE, SEDIMENT BUCKET AND NICKEL BRONZE FUNNEL FOR INDIRECT WASTES. REFER TO DRAWING FOR PIPE SIZE, EQUALS BY WATS AND TURN.	1
GI-1	GREASE INTERCEPTOR	JOHN BOOS	GT-20	-	-	SEE PLANS	SEE PLANS	PDI LABELED CARBON STEEL WITH REMOVABLE BAFFLE AND REMOVABLE COVER. FLOOR SHALL BE RECESSED FOR INSTALLATION UNDER SINK. CONTRACTOR SHALL PROVIDE RISERS AS REQUIRED. 10 GPM, 20 POUNDS OF GREASE	1
HA-1	HAMMER ARRESTOR	JR SMITH	HYDROTROL 5010	SEE PLANS	-	-	-	STAINLESS STEEL W/ NESTING TYPE BELLOWS	1
LAV-1	LAVATORY SINK	KOHLER	K-2032	-	-	1-1/4	1-1/4	ADA COMPLIANT, WALL HUNG LAVATORY. PROVIDE WITH CHAIR CARRIER	1
	FAUCET	KOHLER	K-7514	1/2	1/2	-	-	0.5 GPM, SINGLE HOLE, BATTERY-POWERED SENSOR, BRASS VALVE BODY, 5" FIXED SPOUT, LESS GRID DRAIN, POLISHED CHROME	1, 3
MB-1	MOP BASIN	EL MUSTEE	63M	-	-	3	1-1/2	WHITE ONE-PIECE MOLDED FIBERGLASS, 24X24X10", FLOOR MOUNTED, PROVIDE W/ HOSE & HOSE HANGER, MOP HANGER, & STAINLESS STEEL WALL GUARDS	1
	FAUCET	CENTRAL BRASS	0054-U-Q	1/2	1/2	-	-	HEAVY-DUTY CAST BRASS ASSEMBLY, CHROME PLATED, WITH 9" LONG RIGID SPOUT WITH 3/4" MALE THREADED PIPE OUTLET (STANDARD HOSE BIBB) AND PAIL HOOK. PROVIDE WITH HOT AND COLD WRIST BLADE HANDLES WITH COLOR CODED INSERTS, AND WITH DIAGONAL TOP BRACE WITH FLANGED CONNECTION TO WALL AT APPROXIMATELY 18" ABOVE SPOUT. MOUNT WITH SPOUT OUTLET AT 2" ABOVE SINK RIM.	1
SK-1	HAND SINK	JOHN BOOS	PBHS-W-1410-P	1/2	1/2	1-1/2	1-1/2	SINGLE BOWL, 300 STAINLESS STEEL CONSTRUCTION, SPLASH MOUNT FAUCET HOLES, CENTER DRAIN, (2) FAUCET HOLES 4" O.C., CHROME PLATED P-TRAP AND STOPS WITH SUPPLIES. FAUCET INCLUDED.	1
SK-2	3-COMPARTMENT SINK	REGENCY	#60053101412G	1/2	1/2	1-1/2 (3)	-	10"x14"x10" (3), 16 GAUGE 300 STAINLESS STEEL CONSTRUCTION, SPLASH MOUNT FAUCET HOLES, CENTER DRAIN, (2) FAUCET HOLES, CHROME PLATED P-TRAP AND STOPS WITH SUPPLIES. PROVIDE WITH REGENCY WALL MOUNTED FAUCET WITH 8" CENTERS AND SWING SPOUT. COORDINATE FAUCET LENGTH WITH FINAL SUBMITTED 3-COMPARTMENT SINK SIZE.	1
UR-1	URINAL	KOHLER	K-4991-ET 'BARDON'	-	-	2	1-1/4	WHITE VITREOUS CHINA, TOP SPOUT, WALL HUNG W/ ZURN MODEL 'Z1222' WALL CARRIER OR EQUAL	1
	FLUSH VALVE	SLOAN	186-1 XL 'REGAL'	3/4	-	-	-	1.0 GPF, MANUAL FLUSH VALVE, CHROME FINISH	1
WB-1	WALL BOX (COFFEE MAKER)	GUY GRAY	WB200	1/2	-	2	-	2" DRAIN, SHUT-OFF VALVES, AND CHICAGO NO. E27 VACUUM BREAKER HOSE CONNECTIONS.	1
WC-1	WATER CLOSET	KOHLER	K-4302 'HIGHCREST'	-	-	3	1-1/2	ADA, FLOOR SET, ELONGATED, FLUSH VALVE OPERATED WATER CLOSET WITH KOHLER K-4666-C PLASTIC OPEN FRONT.	1
	FLUSH VALVE	SLOAN	111	1	-	-	-	1.6 GPF, MANUAL FLUSH VALVE, CHROME FINISH	1, 5

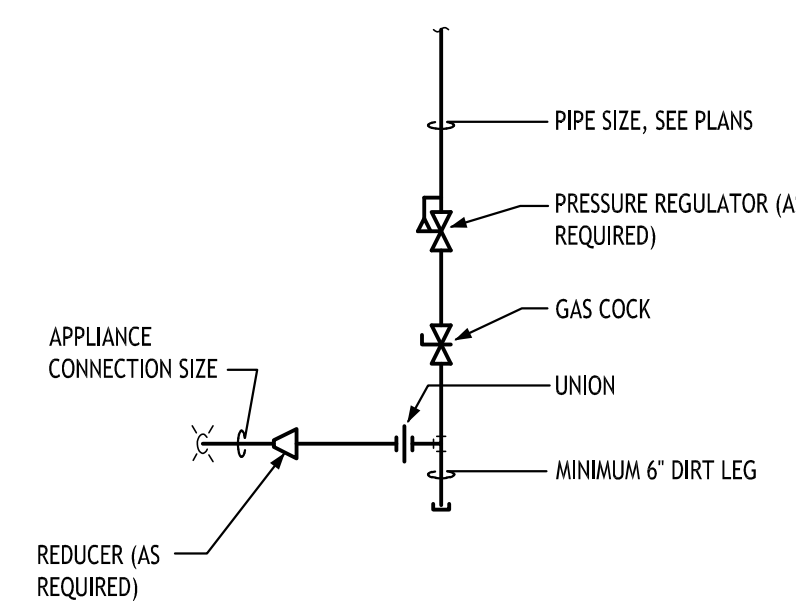
REMARKS:
 1. PROVIDE AS SPECIFIED OR EQUAL FROM ALTERNATE MANUFACTURERS.
 2. LEAD FREE ASSEMBLY.
 3. PROVIDE W/ ASSE 1070 MIXING VALVE FACTORY PRE-SET TO 110° F OUTPUT.
 4. PROVIDE W/ ANSI Z358.1 MIXING VALVE.
 5. COORDINATE L/R HANDING W/ ARCHITECTURAL FLOOR PLANS PRIOR TO PURCHASE.

PLUMBING SYMBOL LEGEND

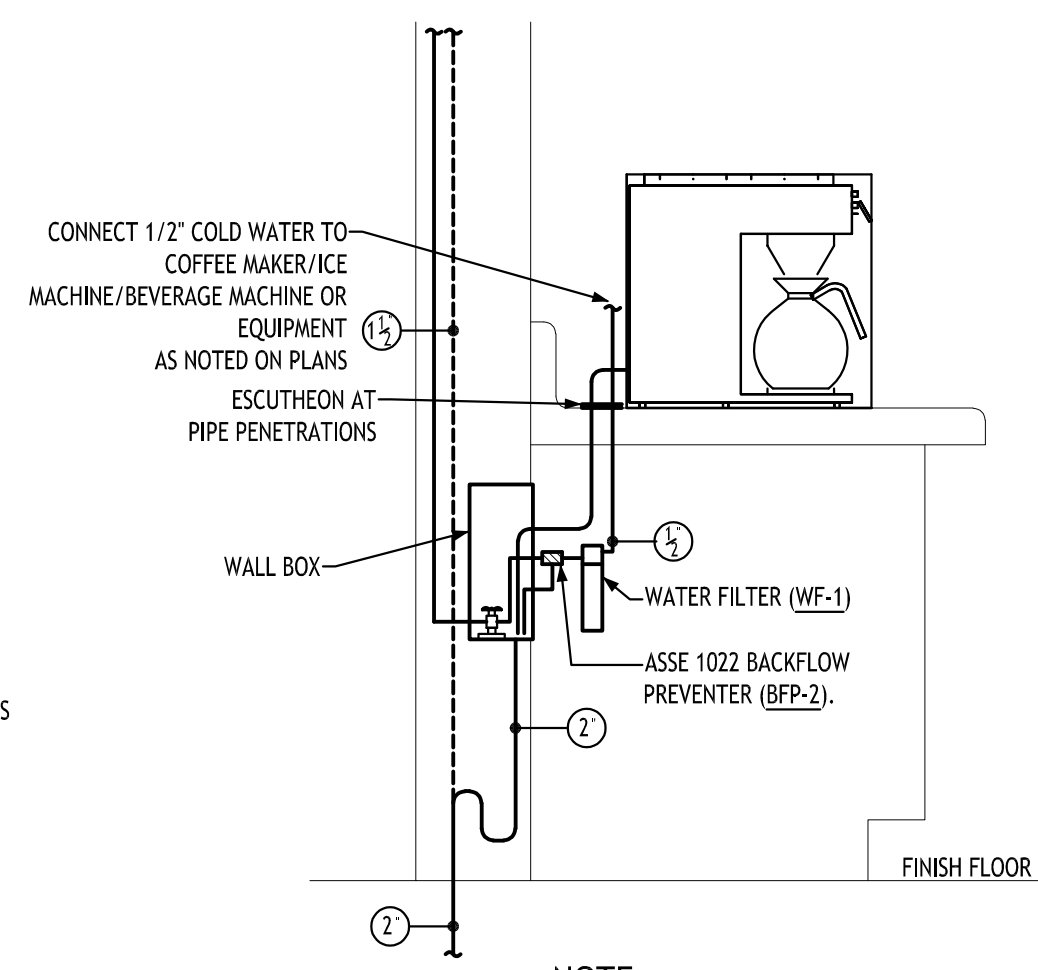
TAG	EQUIPMENT
---	PIPE CAP
---	PIPE CLEANOUT, END-PIPE
---	PIPE CLEANOUT, FLOOR
---	PIPE CLEANOUT, WALL/RISER
---	PIPE CONTINUATION
---	PIPE DOWN
---	PIPE UP
---	AIR VENT
---	AUTOMATIC CONTROL VALVE
---	BALANCE VALVE
---	BALL VALVE
---	CHECK VALVE, SWING TYPE
---	DRAIN OUTLET
---	FLOOR/ROOF DRAIN
---	FLOOR SINK
---	FLOW DIRECTION
---	GATE VALVE
---	HOSE BIBB / WALL HYDRANT
---	METER
---	PIPE REDUCER
---	PRESSURE REGULATING VALVE
---	PRESSURE RELIEF VALVE
---	SHUTOFF VALVE
---	UNION
---	VENT THRU ROOF
---	WATER HAMMER ARRESTOR
---	NATURAL GAS VALVE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
SAN	SANITARY SEWER
V	SANITARY VENT
STM	STORM
NG	NATURAL GAS
NG(2LBS)	NATURAL GAS @ 2 LBS.
NG(5LBS)	NATURAL GAS @ 5 LBS.

PLUMBING ABBREVIATIONS

TAG	EQUIPMENT	TAG	EQUIPMENT
A	AMPS	HP	HORSEPOWER
AFF	ABOVE FINISH FLOOR	KW	KILOWATT
AFG	ABOVE FINISH GRADE	LAV	LAVATORY
ARCH	ARCHITECTURAL	MB	MOP BASIN
BFP	BACKFLOW PREVENTER	MBH	1,000 BTUH
BFF	BELOW FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
CFH	CUBIC FEET PER HOUR	MFR	MANUFACTURER
CP	CIRCULATING PUMP	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CO	CLEANOUT	NG	NATURAL GAS
DCW	DOMESTIC COLD WATER	NIC	NOT IN CONTRACT
DHW	DOMESTIC HOT WATER	NTS	NOT TO SCALE
DHWR	DOMESTIC HOT WATER RETURN	P	PUMP
DIA / Ø	DIAMETER	PC	PLUMBING CONTRACTOR
DN	DRAIN	PH / φ	PHASE
EC	ELECTRICAL CONTRACTOR	PRV	PRESSURE RELIEF/REDUCING VALVE
ET	EXPANSION TANK	PSF	POUNDS PER SQUARE FOOT
EWT	ENTERING WATER TEMPERATURE	PSIG	POUNDS PER SQUARE INCH, GAUGE
EXIST	EXISTING	QTY	QUANTITY
FCW	FILTERED COLD WATER	RPM	REVOLUTIONS PER MINUTE
FFE	FINISH FLOOR ELEVATION	SAN	SANITARY
FPC	FIRE PROTECTION CONTRACTOR	ST	STORAGE TANK
FPM	FEET PER MINUTE	STM	STORM
FSE	FOOD SERVICE EQUIPMENT	TYP	TYPICAL
FT	FEET	V	VENT
GC	GENERAL CONTRACTOR	VOLT	VOLTAGE
GPM	GALLONS PER MINUTE	VTR	VENT THROUGH ROOF
GV	GREASE VENT	W	WATTS
GHW	GAS WATER HEATER	WC	WATER CLOSET
HB	HOSE BIBB		



GAS CONNECTION DETAIL
 NO SCALE

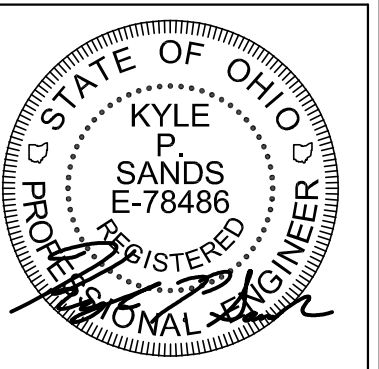


WALL BOX (WB-1) DETAIL
 NO SCALE

NOTE:
 VERIFY WALL BOXES EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT.

FOURPOINTS
 ARCHITECTURAL SERVICES, INC.
 2850 S. Arlington Rd.,
 Suite 200
 Akron, Ohio 44312

330.753.9710
 330.753.9715 fax



COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
 LOGAN FIELD
 2710 N. TURKEYFOOT RD., AKRON, OHIO 44319

DATE: 02-26-24

DRAFTED: EPIC

REVISIONS:
 04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services, Inc. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

PLUMBING SCHED. / DETAILS

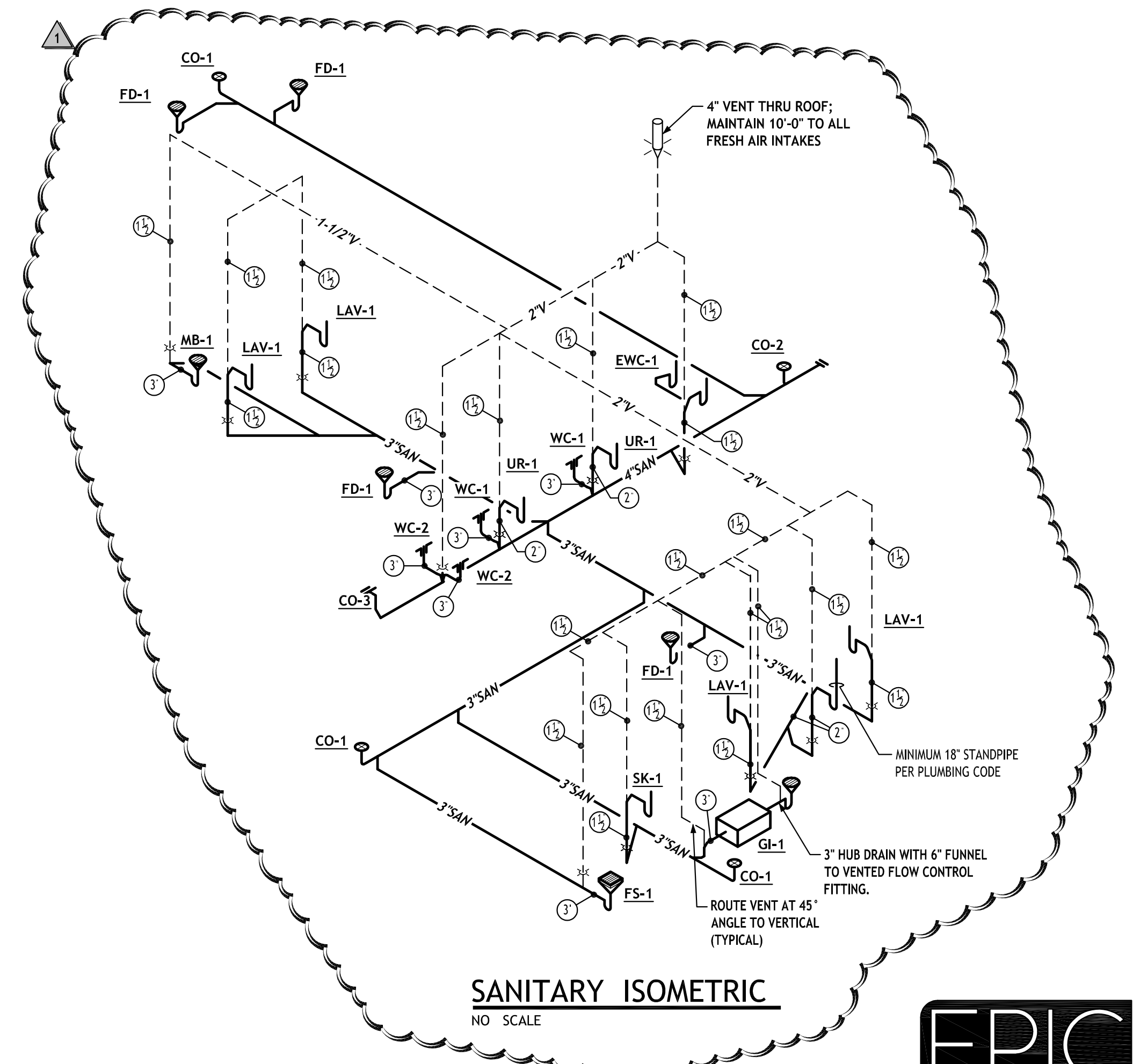
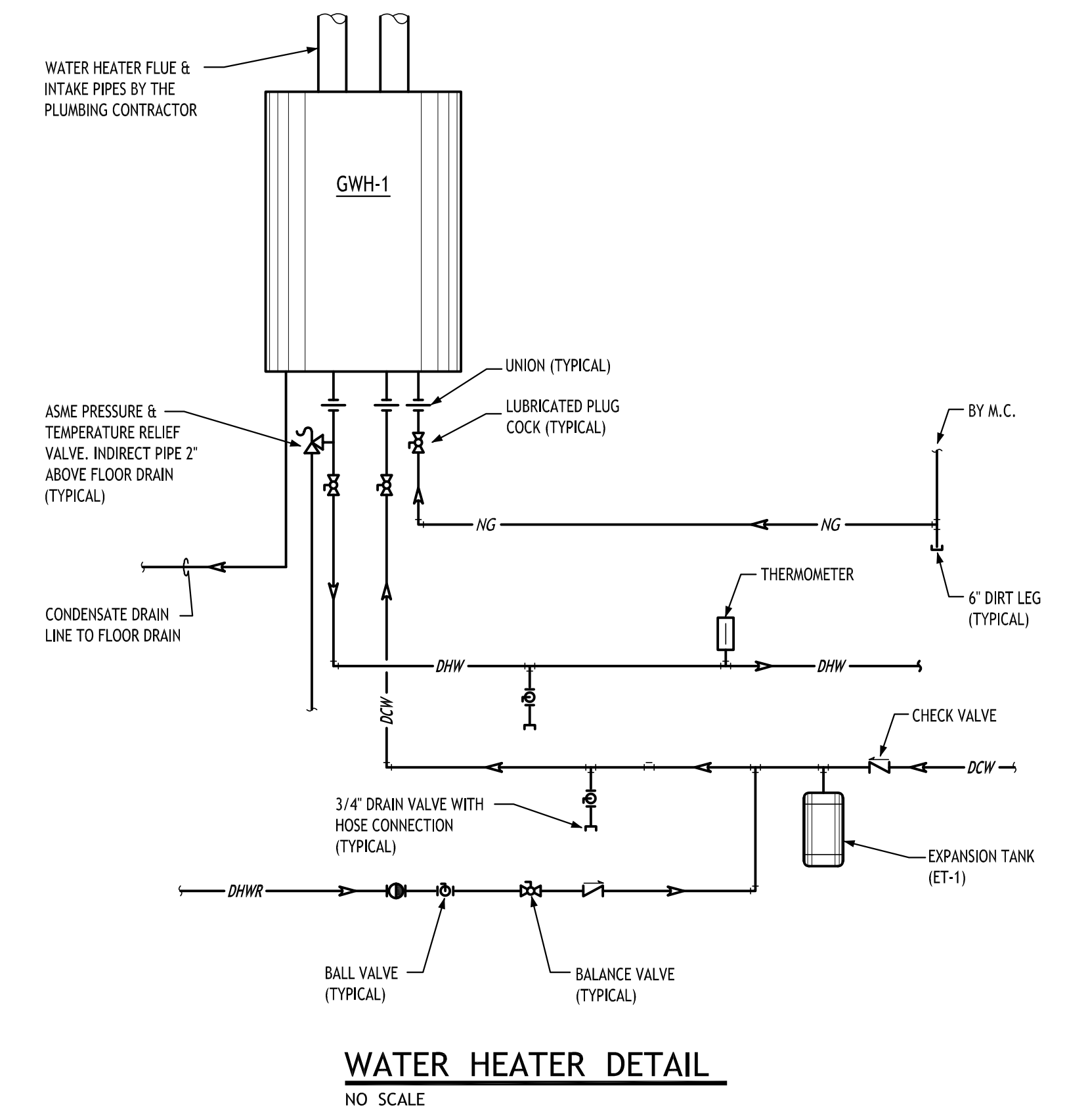
P2.0

21-025

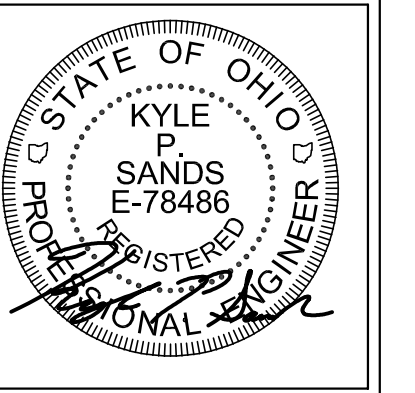
EPIC
 ENGINEERING GROUP, LLC
 CONSULTING ENGINEERS
 3730 Tobs Drive, Suite 200
 Uniontown, Ohio 44685
 330.899.4955 | epic-eeg.com

GREASE INTERCEPTOR SIZING			
TAG	DESCRIPTION	DIMENSIONS	VOLUME (CU.IN.)
SK-2	3-COMPARTMENT	10"X14"X10" (3)	4,200
CU.IN. / 231 X 75% / 2 MIN = FLOW (GPM)			6.82
TOTAL FLOW (GPM)			6.82
GPM X 2 = GREASE PRODUCTION (LBS)			13.64

REMARKS:
1. GREASE INTERCEPTOR SIZING BASED ON SCHIER PRODUCTS SIZING FORMULA, 2017 OHIO PLUMBING CODE, SECTION 1003.4, AND PDI G101.



FOURPOINTS
ARCHITECTURAL SERVICES, INC.
2850 S. Arlington Rd., Suite 200
Akron, Ohio 44312
330.753.9710
330.753.9715 fax



COVENTRY TOWNSHIP
NEW FIELD HOUSE - PHASE I
LOGAN FIELD
2710 N. TURKEYFOOT RD., AKRON, OHIO 44319

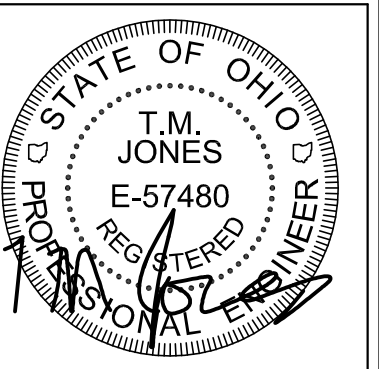
DATE: 02-26-24
DRAFTED: EPIC
REVISIONS:
1 04-29-24 ADDENDUM NO. 2

COPYRIGHT 2024 By Four Points Architectural Services, Inc. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

PLUMBING
SCHED. / DETAILS

P2.1
21-025

EPIC
ENGINEERING GROUP, LLC
CONSULTING ENGINEERS
3730 Tobs Drive, Suite 200
Uniontown, Ohio 44685
330.899.4955 | epic-eeg.com

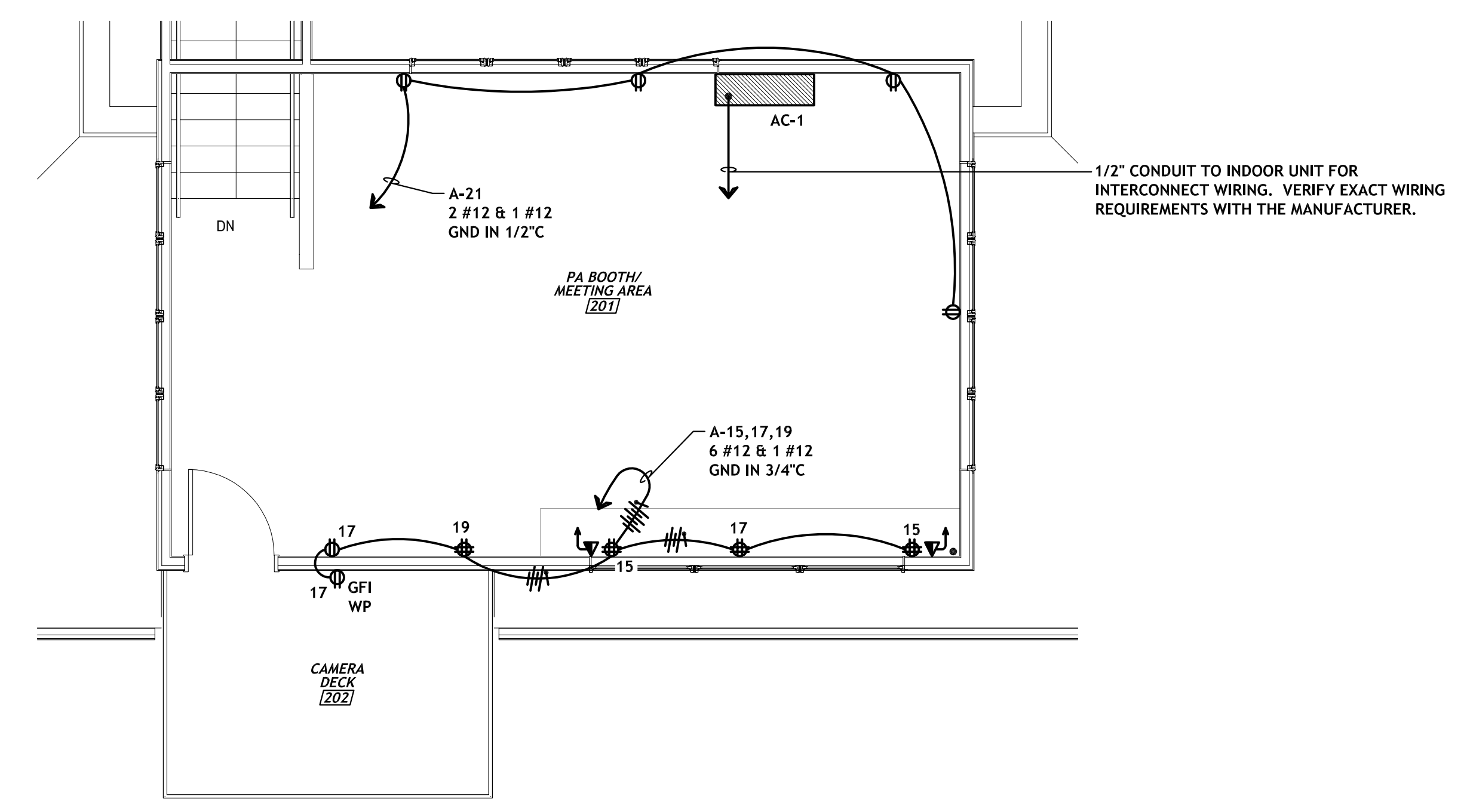


DATE: 02-26-24
DRAFTED: EPIC
REVISIONS:
04-29-24 ADDENDUM NO. 2

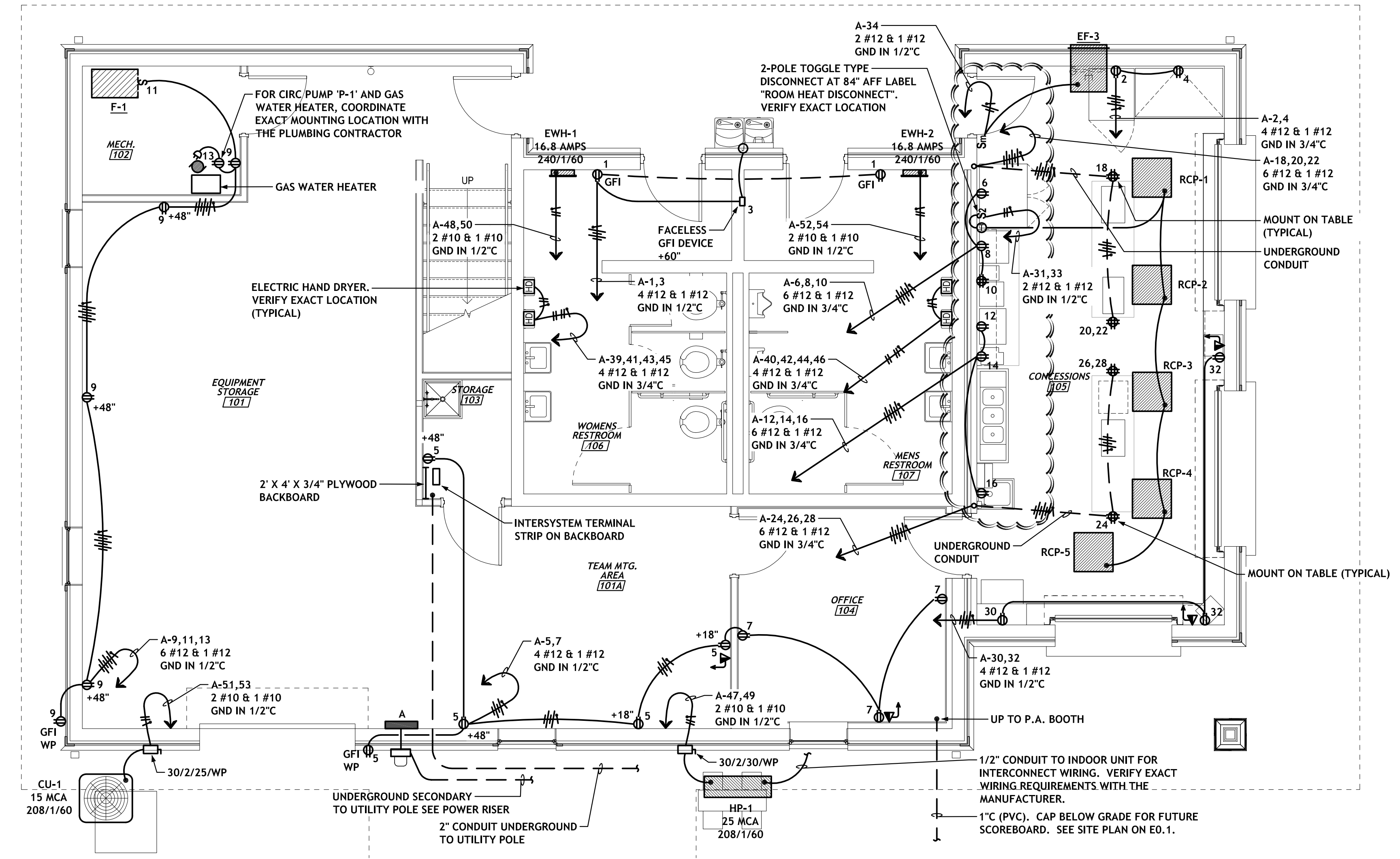
COPYRIGHT 2024 By Four Points Architectural Services, Inc. These drawings and specifications shall remain property of Four Points Architectural Services. No part thereof shall be copied, disclosed to others, or used in connection with any work or project, other than the specified project for which they have been prepared and developed, without the express knowledge and written consent of Four Points Architectural Services, Inc.

POWER / SYS. FLOOR PLANS

E1.1
21-025

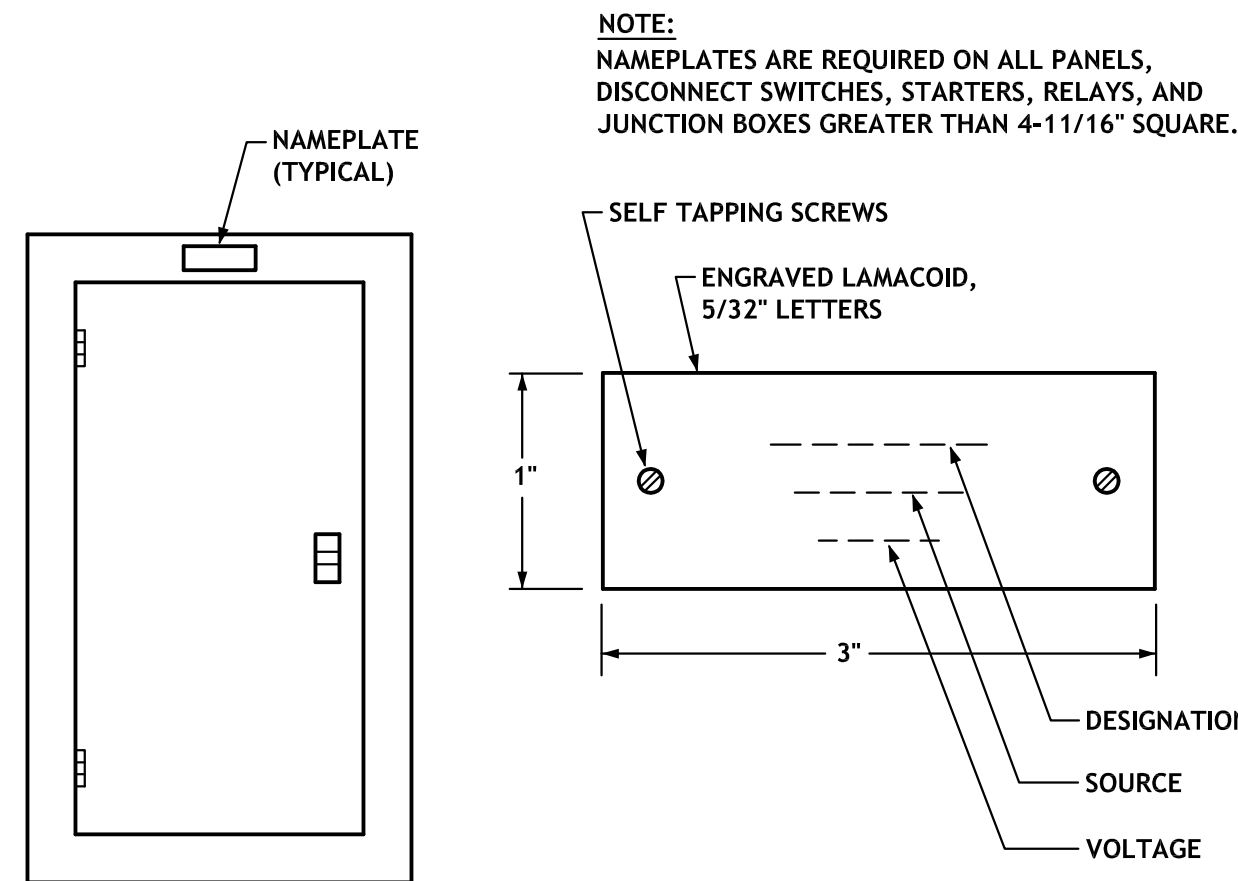


MEZZANINE - POWER / SYSTEMS PLAN (NEW WORK)
SCALE: 1/4" = 1'-0"



FIRST FLOOR - POWER / SYSTEMS PLAN (NEW WORK)
SCALE: 1/4" = 1'-0"

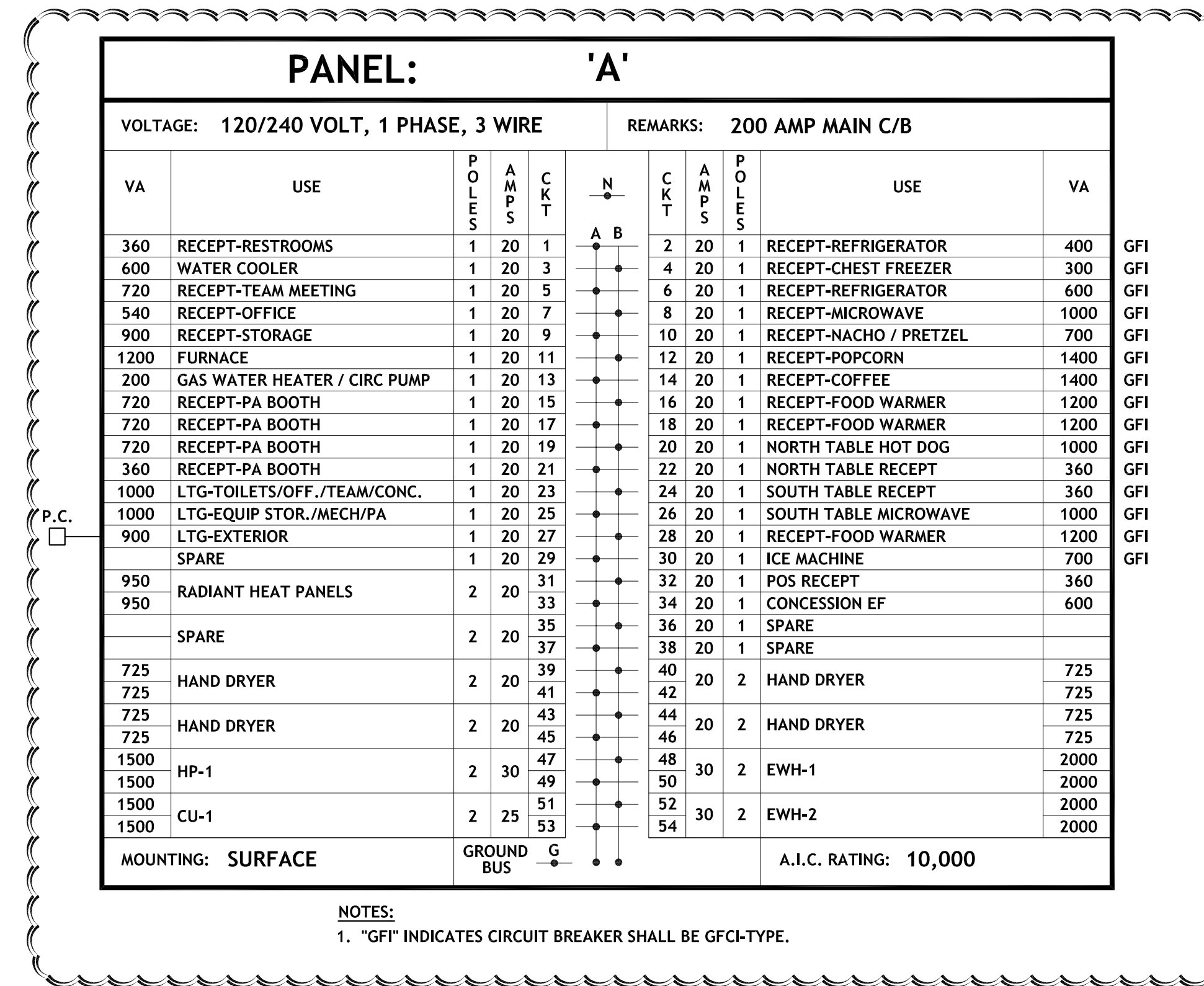
ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	LED LIGHT FIXTURE - SEE FIXTURE SCHEDULE
	LED LIGHT FIXTURE - WALL OR CEILING MOUNTED - SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN - SEE FIXTURE SCHEDULE
	LIGHT SWITCH - SINGLE POLE, 3-WAY AND 4-WAY, 48" AFF UNLESS OTHERWISE NOTED
	DUPLEX RECEPTACLE, GROUNDING TYPE, 125V, 20A, 18" AFF UNLESS OTHERWISE NOTED, TAMPER RESISTANT
	QUADRUPLEX, (2 DUPLEX) OUTLET, GROUNDING TYPE, 125V, 20A, 18" AFF UNLESS OTHERWISE NOTED, TAMPER RESISTANT
	A/C MOTOR
	DISCONNECT SWITCH, 600V OR 250V: 30 - AMPERE, 3 - POLE, 20 - FUSE, NF - NON FUSED
	TOGGLE TYPE MANUAL STARTER, SIZE "0" UNLESS OTHERWISE NOTED
	FIRE ALARM CONTROL PANEL EST I064
	POWER / LIGHTING PANEL - SEE PANEL SCHEDULES FOR DESCRIPTION
	INDICATES FLEXIBLE CONNECTION FROM JUNCTION BOX TO DEVICE
	CONDUIT AND/OR WIRE RUN CONCEALED IN CEILING AND/OR WALL
	CONDUIT AND/OR WIRE RUN EXPOSED
	CONDUIT AND/OR WIRE RUN IN FLOOR OR UNDERGROUND
	LOW VOLTAGE WIRING
	INDICATES HOMERUN TO PANEL - EX.: PANEL "B" CIRCUIT #2
	VOICE / DATA OUTLET, 18" AFF UNLESS NOTED OTHERWISE; 4" SQUARE x 2-1/8" DEEP BOX WITH SINGLE GANG PLASTER RING, BLANK COVER, & 3/4" CONDUIT (WITH PULLSTRING BACK TO BACKBOARD)
	JUNCTION BOX (ABBREVIATED J.B.)
	INDICATES GROUND CONDUCTOR
	WALL MOUNTED EMERGENCY EGRESS LIGHT FIXTURE - SEE FIXTURE SCHEDULE
	FLUSH WALL MOUNTED PASSIVE INFRARED OCCUPANCY SENSOR SWITCH, "GREENGATE" #OSW-U
	LINE VOLTAGE CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR WITH 1000 SQUARE FEET OF COVERAGE, "GREENGATE" #OAC-DT
"EC"	INDICATES "ELECTRICAL CONTRACTOR"
"GC"	INDICATES "GENERAL CONTRACTOR"
"MC"	INDICATES "MECHANICAL CONTRACTOR"
NL	INDICATES "NIGHT LIGHT"
WP	INDICATES "WEATHERPROOF"
GFI	INDICATES "GROUND FAULT INTERRUPTER"
AFC	INDICATES "ABOVE FINISHED CEILING", MEASURED TO CENTER OF DEVICE
AFF	INDICATES "ABOVE FINISHED FLOOR", MEASURED TO CENTER OF DEVICE
AFG	INDICATES "ABOVE FINISHED GRADE", MEASURED TO CENTER OF DEVICE
BFC	INDICATES "BELOW FINISHED CEILING", MEASURED TO CENTER OF DEVICE
BFG	INDICATES "BELOW FINISHED GRADE", MEASURED TO CENTER OF DEVICE
C	INDICATES "ABOVE COUNTER", MEASURED TO CENTER OF DEVICE
N1	INDICATES NEMA 1 ENCLOSURE
N3R	INDICATES NEMA 3R ENCLOSURE



- STANDARD COLORS:
- 240/120 VOLTS - GREEN BACKGROUND, WHITE LETTERS
 - DISCONNECT SWITCHES, STARTERS, RELAYS, AND JUNCTION BOXES - WHITE BACKGROUND, BLACK LETTERS

IDENTIFICATION TAGGING DETAIL

NO SCALE



ELECTRICAL LOADS	
LIGHTING	2,900 VA
RECEPTACLES & MISC.	17,700 VA
HVAC COOLING	7,800 VA
ELECTRIC HEAT	9,900 VA
HAND DRYERS	5,800 VA
TOTAL	36,300 VA
* NOT INCLUDED IN TOTAL	
SERVICE SIZING	(2,900 + 9,900) X 1.25 + 17,700 + 5,800 = 39,500 WATTS
	39,500 WATTS @ 120/240 VOLTS, 1Ø, 3-WIRE = 165 AMPS
PROVIDE A 200 AMPERE ELECTRIC SERVICE	

