

ADDENDUM #1:

Homefull Housing, Food, and Jobs Phase 1

Gettysburg Avenue Campus

807 S. Gettysburg Ave.
Dayton, Ohio 45417

Prepared by:

LWC Incorporated
434 E. First Street
Dayton, Ohio 45402
(937 223-6500)



September 23, 2022

The contents of this Addendum shall become a part of the Contract Documents as if originally incorporated therein and as stated in Section 007100 – Contracting Definitions.

Item No. 1: Pre-Bid Meeting

1. The pre-bid was conducted on September 21, 2022 at the office of LWC Incorporated.
2. Pre-bid notes and sign-in sheet are attached to this addendum.

Item No. 2: Questions and Answers

1. None

Item No. 3: Substitutions:

1. Section 075419 – Polyvinyl-Chloride (PVC) Roofing: Subject to compliance with requirements, roofing products from Duro-Last Vinyl Rib roofing membrane system may be incorporated into the project.

Item No. 3: Specifications

1. Section 087100 – Door Hardware: Revised Section 087100 attached with updated hardware sets.

Item No. 4: Drawings

1. Sheet 1.A001 – Door Schedule: Hardware set numbers revised to matched updated Section 087100.
2. Sheet 1.A003 – Interior Glazing and Details: Clarified extent of wood trim at sidelight glazing.
3. Sheet 1.A100 – Roof Plan: Roof access hatch added to roof plan.
4. Sheet 1.A505 – Wall Sections and Details: Added details for Alternate Wood Stair 104.
5. Sheet 1.A604 – First Floor Interior Elevations: Deleted wall cabinets at indicated locations.
6. Sheets 1.ID101 – 1.ID104 Finish Plans: Updated floor finish legend on each sheet.

Item No. 5: Plumbing, Mechanical, Electrical

1. Refer to Addendum 1 dated September 23, 2022 provided by CMTA that is incorporated into this addendum. Includes written description and revised drawings.

End of Addendum 1



September 21, 2022

**Re: Homefull
Pre-Bid Meeting Agenda
10:00 a.m.
Office of LWC Inc.**

- A. Introductions
- B. Homefull Organization Purpose
- C. Bid Date: October 5, 2022, 2:00 p.m.
- D. Bid Location: LWC Incorporated, 434 East 1st Street, Dayton, OH 45402
- E. Bid Bond: 5% of base bid
- F. Special Requirements:
 - 1. Sales tax exempt
 - 2. No prevailing wage
 - 3. Local and MBE/DBE goals: **Refer to Section 000800 – Supplementary Conditions** for further explanation.
 - 4. No liquidated damages
- G. Substitution Requests: To LWC 10 days prior to bids
- H. Schedule: **Refer to section 003113 – Preliminary Schedule**
- I. Bid Form: Three forms: **Base bid, unit prices, and alternates**
 - 1. Unit prices
 - 2. Alternates
- J. Allowances: To be included in base bid number.
 - 1. Contingency allowance
 - 2. Banner allowance



K. Questions:

1. **Q: What will the Contingency Allowance be used for? A: The primary purpose is for change orders during construction. The Owner does have the option of using it toward alternates if desired.**
2. **Q: Who is responsible for the cost of permits and tap fees? A: The General Contractor is to include the cost of permits and tap fees in their base bid. LWC will cover the review fee only.**
3. **Q: Is this a rebid? A: Yes, but will the full scope included this time. The original bid was for sitework and building shell. The current bid is for the full project.**
4. **Q: When is the cut off for RFI's? A: Please have RFI's to LWC by September 28 so it can be addressed in the last addendum going out on September 30.**

SECTION 087100 – DOOR HARDWARE – Addendum 1

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:

- 1) Swinging doors.
- 2) Sliding doors.
- 3) Other doors to the extent indicated.

- B. Door hardware includes, but is not necessarily limited to, the following:

- 1) Mechanical door hardware.
- 2) Electromechanical door hardware and power supplies.
- 3) Automatic operators.
- 4) Cylinders specified for doors in other sections.

- C. Related Sections:

- 1) Division 08 Section “Hollow Metal Doors and Frames”.
- 2) Division 08 Section “Flush Wood Doors”.
- 3) Division 08 Section “Aluminum-Framed Entrances and Storefronts”.
- 4) Division 28 Section “Access Control”.

- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

- 1) ANSI A117.1 - Accessible and Usable Buildings and Facilities.
- 2) ICC/IBC - International Building Code.
- 3) NFPA 70 - National Electrical Code.
- 4) NFPA 80 - Fire Doors and Windows.
- 5) NFPA 101 - Life Safety Code.
- 6) NFPA 105 - Installation of Smoke Door Assemblies.
- 7) UL/ULC and CSA C22.2 – Standards for Automatic Door Operators Used on Fire and Smoke Barrier Doors and Systems of Doors.
- 8) State Building Codes, Local Amendments.

- E. Standards: All hardware specified herein shall comply with the following industry standards:

- 1) ANSI/BHMA Certified Product Standards - A156 Series
- 2) UL10C – Positive Pressure Fire Tests of Door Assemblies

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
- 1) Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - 2) Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 - 3) Content: Include the following information:
 - (a) Type, style, function, size, label, hand, and finish of each door hardware item.
 - (b) Manufacturer of each item.
 - (c) Fastenings and other pertinent information.
 - (d) Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - (e) Explanation of abbreviations, symbols, and codes contained in schedule.
 - (f) Mounting locations for door hardware.
 - (g) Door and frame sizes and materials.
 - 4) Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:
- 1) Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - (a) Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - (b) Complete (risers, point-to-point) access control system block wiring diagrams.
 - 2) Electrical Coordination: Coordinate with related Division 26 Electrical Sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified and authorized provider of the primary Integrated Wiegand Access Control Products.
- E. Keying Schedule: Prepared under the supervision of the Owner, separate schedule detailing final keying instructions for locksets and cylinders in writing. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner to approve submitted keying schedule prior to the ordering of permanent cylinders.
- F. Informational Submittals:

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 1) Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- G. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and contact information of the manufacturers providing the hardware and their nearest service representatives. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.
- H. Warranties and Maintenance: Special warranties and maintenance agreements specified in this Section.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Installer Qualifications: Installers, trained by the primary product manufacturers, with a minimum 3 years documented experience installing both standard and electrified builders hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor in good standing by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
 - 1) Scheduling Responsibility: Preparation of door hardware and keying schedules.
- D. Automatic Operator Supplier Qualifications: Power operator products and accessories are required to be supplied and installed through current members of "AAADM Certified Inspectors" program. Suppliers are to be factory trained, certified, and a direct purchaser of the specified power operators and be responsible for the installation and maintenance of the units and accessories indicated for the Project.
- E. Source Limitations: Obtain each type and variety of Door Hardware specified in this Section from a single source, qualified supplier unless otherwise indicated.
 - 1) Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 - 2) Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- F. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the model building code including, but not limited to, the following:
 - 1) NFPA 70 "National Electrical Code", including electrical components, devices, and accessories listed and labeled as defined in Article 100 by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 2) Where indicated to comply with accessibility requirements, comply with Americans with Disabilities Act (ADA), "Accessibility Guidelines for Buildings and Facilities (ADAAG)," ANSI A117.1 as follows:
 - (a) Handles, Pulls, Latches, Locks, and other Operating Devices: Shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist.
 - (b) Door Closers: Comply with the following maximum opening-force requirements indicated:
 - (c) Interior Hinged Doors: 5 lbf applied perpendicular to door.
 - (d) Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
 - (e) Thresholds: Not more than 1/2 inch high. Bevel raised thresholds with a slope of not more than 1:2.
 - 3) NFPA 101: Comply with the following for means of egress doors:
 - (a) Latches, Locks, and Exit Devices: Not more than 15 lbf to release the latch. Locks shall not require the use of a key, tool, or special knowledge for operation.
 - (b) Thresholds: Not more than 1/2 inch high.
 - 4) Fire-Rated Door Assemblies: Provide door hardware for assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 (neutral pressure at 40" above sill) or UL-10C.
 - (a) Test Pressure: Positive pressure labeling.
- G. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.
- H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
- 1) Function of building, purpose of each area and degree of security required.
 - 2) Plans for existing and future key system expansion.
 - 3) Requirements for key control storage and software.
 - 4) Installation of permanent keys, cylinder cores and software.
 - 5) Address and requirements for delivery of keys.
- I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
- 1) Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2) Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3) Review sequence of operation narratives for each unique access controlled opening.
 - 4) Review and finalize construction schedule and verify availability of materials.
 - 5) Review the required inspecting, testing, commissioning, and demonstration procedures
- J. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

SECTION 087100 – DOOR HARDWARE – Addendum 1

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Related Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1) Structural failures including excessive deflection, cracking, or breakage.
 - 2) Faulty operation of the hardware.
 - 3) Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4) Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods:
 - 1) Ten years for mortise locks and latches.
 - 2) Five years for heavy duty cylindrical (bored) locks and latches.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 3) Ten years for exit hardware.
- 4) Twenty five years for manual surface door closers.
- 5) Two years for electromechanical door hardware.

1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
- B. Continuing Service: Beginning at Substantial Completion, and running concurrent with the specified warranty period, provide continuous (6) months full maintenance including repair and replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door opening operation. Provide parts and supplies as used in the manufacture and installation of original products.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
 - 1) Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
 - (a) Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
 - 2) Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.
 - (a) Permanent cylinders, cores, and keys to be installed by Owner.
- B. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

- A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.
 - 1) Quantity: Provide the following hinge quantity, unless otherwise indicated:
 - (a) Two Hinges: For doors with heights up to 60 inches.
 - (b) Three Hinges: For doors with heights 61 to 90 inches.
 - (c) Four Hinges: For doors with heights 91 to 120 inches.
 - (d) For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 2) Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - (a) For door widths up to 3'0": Provide 4-1/2" standard or heavy weight as specified.
 - (b) For door widths from 3'1" to 4'0": Provide 5" standard or heavy weight as specified.
 - 3) Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - (a) Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - (b) Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
 - 4) Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings:
 - (a) Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the following applications:
 - (i) Out-swinging exterior doors.
 - (ii) Out-swinging access controlled doors.
 - (iii) Out-swinging lockable doors.
 - 5) Acceptable Manufacturers:
 - (a) Hager Companies (HA).
 - (b) Ives (IV).
 - (c) McKinney Products (MC).
 - (d) Stanley Hardware (ST).
- B. Continuous Geared Hinges: ANSI/BHMA A156.26 certified continuous geared hinge with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Provide concealed flush mount (with or without inset), full surface, or half surface, in standard and heavy duty models, as specified in the Hardware Sets. Concealed continuous hinges to be U.L. listed for use on up to and including 90 minute rated door installations and U.L. listed for windstorm components where applicable. Factory cut hinges for door size and provide with removable service power transfer panel where indicated at electrified openings.
- 1) Acceptable Manufacturers:
 - (a) Hager Companies (HA).
 - (b) McKinney Products (MC).
 - (c) Pemko Manufacturing (PE).
 - (d) Stanley Hardware (ST).
- C. Pivots: ANSI/BHMA A156.4, Grade 1, certified pivots provided either center hung or 3/4" offset type complete with top, bottom, and intermediate pivots (offset pivots only) in quantity according to manufacturer's recommendations. Space intermediate pivots equally not less than 25 inches on center apart or not more than 35 inches on center for doors over 121 inches high. Pivot hinges to have oil impregnated bronze bearing in the top pivot and a radial roller and thrust bearing in the bottom pivot with the bottom pivot designed to carry the full weight of the door. Pivots to be UL listed for windstorm where applicable.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 1) Acceptable Manufacturers:
 - (a) Dorma (DM).
 - (b) Rixson Door Controls (RX).

2.3 POWER TRANSFER DEVICES

- A. Concealed Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets.

- 1) Acceptable Manufacturers:
 - (a) Securitron (SU) - CEPT Series.
 - (b) Precision (PR) – EPT-12C Series
 - (c) Von Duprin (VD) - EPT-10 Series.

2.4 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified automatic, self-latching, and manual flush bolts and surface bolts. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor. Furnish dust proof strikes for bottom bolts. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

- 1) Acceptable Manufacturers:
 - (a) Hager (HA).
 - (b) Hiawatha, Inc. (HI).
 - (c) Ives (IV).
 - (d) Rockwood Manufacturing (RO).
 - (e) Trimco (TR).

- B. Coordinators: ANSI/BHMA A156.3 certified door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Coordinators fabricated from steel with nylon-coated strike plates and built-in adjustable safety release.

- 1) Acceptable Manufacturers:
 - (a) Hager (HA).
 - (b) Hiawatha, Inc. (HI).
 - (c) Ives (IV).
 - (d) Rockwood Manufacturing (RO).
 - (e) Trimco (TR).

- C. Door Push Plates and Pulls: ANS/BHMA A156.6 certified door pushes and pulls of type and design specified below or in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 1) Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with square corners and beveled edges, secured with exposed screws unless otherwise indicated.
- 2) Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
- 3) Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
- 4) Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
- 5) Acceptable Manufacturers:
 - (a) Hager (HA).
 - (b) Hiawatha, Inc. (HI).
 - (c) Ives (IV).
 - (d) Rockwood Manufacturing (RO).
 - (e) Trimco (TR).

2.5 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Source Limitations: Obtain each type of keyed cylinder and keys from the same source manufacturer as locksets and exit devices, unless otherwise indicated.
 - 1) Acceptable Manufacturers:
 - (a) Best Access (BE).
 - (b) No Substitution – Facility Standard.
- C. Cylinders: Original manufacturer cylinders complying with the following:
 - 1) Mortise Type: Threaded cylinders with rings and straight- or clover-type cam.
 - 2) Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 - 3) Bored-Lock Type: Cylinders with tailpieces to suit locks.
 - 4) Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 - 5) Keyway: Manufacturer's X32X
- D. Permanent Cores: Manufacturer's standard; finish face to match lockset; complying with the following:
 - 1) Interchangeable Cores: Core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware. Provide interchangeable core (small format) as specified in Hardware Sets.
- E. Security Cylinders: ANSI/BHMA A156.5, Grade 1, patented security cylinders and keys able to be used together under the same facility master or grandmaster key system. Cylinders are to be factory keyed.
 - 1) Acceptable Manufacturers:
 - (a) Best Access (BE) - Cormax
 - (b) No Substitution – Facility Standard.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- F. Keying System: Each type of lock and cylinders to be factory keyed. Conduct specified "Keying Conference" to define and document keying system instructions and requirements. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner. Incorporate decisions made in keying conference, and as follows:
- 1) Grand Master Key System: Cylinders are operated by a change key, a master key, and a grand master key.
- G. Key Quantity: Provide the following minimum number of keys:
- H. Top Master Key: One (1)
- 1) Change Keys per Cylinder: Two (2)
 - 2) Master Keys (per Master Key Group): Two (2)
 - 3) Grand Master Keys (per Grand Master Key Group): Two (2)
 - 4) Construction Keys (where required): Five (5)
 - 5) Construction Control Keys (where required): Two (2)
 - 6) Permanent Control Keys (where required): Two (2)
- I. Construction Keying: Provide construction master keyed cylinders or temporary keyed construction cores where specified. Provide construction master keys in quantity as required by project Contractor. Replace construction cores with permanent cores. Furnish permanent cores for installation as directed under specified "Keying Conference".
- J. Key Registration List: Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
- K. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.
- 1) Acceptable Manufacturers:
 - (a) Lund Equipment (LU).
 - (b) MMF Industries (MM).
 - (c) Telkee (TK).
- L. Key Control Software: Provide one network version of "Key Wizard" branded key management software package that includes one year of technical support and upgrades to software at no charge, or Bonded Lock Service KeyTrak. Provide factory key system formatted for importing into "Key Wizard/KeyTrak" software.

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 certified mortise locksets furnished in the functions as specified in the Hardware Sets. Locksets to be manufactured with a corrosion resistant, stamped 12 gauge minimum formed steel case and be field-reversible for handing without disassembly of the lock body. Lockset trim (including knobs, levers, escutcheons, roses) to be the product of a single manufacturer. Furnish with standard 2 3/4" backset, 3/4" throw anti-friction stainless steel latchbolt, and a full 1" throw stainless steel bolt for deadbolt functions.
- 1) Acceptable Manufacturers:

SECTION 087100 – DOOR HARDWARE – Addendum 1

- (a) Best Access (BE) – 45H Series.
 - (b) Corbin Russwin Hardware (RU) – ML2000 Series.
 - (c) Dorma (DM) – M9000 Series
 - (d) Sargent Manufacturing (SA) – 8200 Series.
- B. Cylindrical Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.2, Series 4000, Grade 1 certified cylindrical (bored) locksets furnished in the functions as specified in the Hardware Sets. Lock chassis fabricated of heavy gauge steel, zinc dichromate plated, with through-bolted application. Furnish with solid cast levers, standard 2 3/4" backset, and 1/2" (3/4" at rated paired openings) throw brass or stainless steel latchbolt. Locks are to be non-handed and fully field reversible.
- 1) Acceptable Manufacturers:
 - (a) Best Access (BE) – 9K3 Series.
 - (b) Dorma (DM) – C800 Series.
 - (c) Sargent Manufacturing (SA) – 10 Line.
- C. Lock Trim Design: As specified in Hardware Sets.

2.7 ELECTROMECHANICAL LOCKING DEVICES

- A. Electromechanical Mortise Locksets, Grade 1 (Heavy Duty): Subject to same compliance standards and requirements as mechanical mortise locksets, electrified locksets to be of type and design as specified below.
- 1) Electrified Lock Options: Where indicated in the Hardware Sets, provide electrified options including: outside door lock/unlock trim control, latchbolt and lock/unlock status monitoring, and request-to-exit signaling. Unless otherwise indicated, provide electrified locksets standard as fail secure.
 - 2) Acceptable Manufacturers:
 - (a) Best Access (BE) – 45HW Series.
 - (b) Sargent Manufacturing (SA) - 8200 Series.

2.8 AUXILIARY LOCKS

- A. Narrow Case Deadlocks and Deadlatches: ANSI/BHMA 156.13 Series 1000 Grade 1 certified narrow case deadlocks and deadlatches for swinging or sliding door applications. All functions shall be manufactured in a single sized case formed from 12 gauge minimum, corrosion resistant steel (option for fully stainless steel case and components). Provide minimum 2 7/8" throw laminated stainless steel bolt. Bottom rail deadlocks to have 3/8" diameter bolts.
- 1) Acceptable Manufacturers:
 - (a) Adams Rite Manufacturing (AD) - MS1850S / MS1950 Series.
 - (b) Adams Rite Manufacturing (AD) – 4510/4900 Series.

2.9 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
- 1) Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 2) Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
- 3) Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:

- 1) Strikes for Mortise Locks and Latches: BHMA A156.13.
- 2) Strikes for Bored Locks and Latches: BHMA A156.2.
- 3) Dustproof Strikes: BHMA A156.16.

2.10 ELECTROMAGNETIC LOCKING DEVICES

- A. Surface Electromagnetic Locks (Heavy Duty): Electromagnetic locks to be surface mounted type conforming to ANSI A156.23, Grade 1 with minimum holding force strength of 1,100 pounds. Locks to be capable of either 12 or 24 voltage and be UL listed for use on fire rated door assemblies. Locks are to have an integrated door position switch and lock bond sensor. Locks are to have integrated motion sensor and/or security camera as indicated in the hardware sets. Provide mounting accessories as needed to suit opening conditions. Power supply to be by the same manufacturer as the lock with combined products having a lifetime replacement warranty.

B. Acceptable Manufacturers:

- 1) Securitron (SU) – M680 Series.

2.11 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

- 1) At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
- 2) Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
 - (a) Fire Exit Removable Mullions: Provide keyed removable mullions for use with fire exit devices complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire and panic protection, based on testing according to UL 305 and NFPA 252. Mullions to be used only with exit devices for which they have been tested.
- 3) Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
- 4) Flush End Caps: Provide heavy weight impact resistant flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
- 5) Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty trim with cold forged escutcheons, beveled edges, and four threaded studs for thru-bolts.
 - (a) Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets. Provided free-wheeling type trim where indicated.
 - (b) Where function of exit device requires a cylinder, provide an interchangeable core type keyed cylinder (Rim or Mortise) as specified in Hardware Sets.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 6) Vertical Rod Exit Devices: Provide and install interior surface and concealed vertical rod exit devices as Less Bottom Rod (LBR) unless otherwise indicated.
- 7) Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2” wide stiles.
- 8) Rail Sizing: Provide exit device rails factory sized for proper door width application.
- 9) Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
- 10) Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Mounting rails to be formed from smooth stainless steel, brass or bronze architectural materials no less than 0.072" thick, with push rails a minimum of 0.062" thickness. Painted or aluminum metal rails are not acceptable. Exit device latch to be investment cast stainless steel, pullman type, with deadlock feature.

B. Acceptable Manufacturers:

- 1) Dorma (DM) – 9000 Series.
- 2) Detex (DE) – Advantex Series.
- 3) Precision (PR) - Apex Series
- 4) Sargent Manufacturing (SA) - 80 Series.
- 5) Von Duprin (VD) - 99 Series.

2.12 ELECTROMECHANICAL CONVENTIONAL EXIT DEVICES

A. Electrified Conventional Push Rail Devices (Heavy Duty): Subject to same compliance standards and requirements as mechanical exit devices, electrified devices to be of type and design as specified below.

1) Acceptable Manufacturers:

- (a) Dorma (DM) – 9000 Series.
- (b) Detex (DE) – Advantex Series.
- (c) Precision (PR) - Apex Series .
- (d) Sargent Manufacturing (SA) - 80 Series.
- (e) Von Duprin (VD) - 99 Series.

B. Electrified Options: As indicated in hardware sets, provide electrified exit device options including: electric latch retraction (must be motorized type that fully retracts the touchpad/push bar), electric dogging, outside door trim control, exit alarm, delayed egress, latchbolt monitoring, lock/unlock status monitoring, touchbar monitoring and request-to-exit signaling. Unless otherwise indicated, provide electrified exit devices standard as fail secure.

2.13 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

- 1) General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.
- 2) Standards: Closers to comply with UL-10C and UBC 7-2 for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
- 3) Cycle Testing: Provide closers which have surpassed 10 million cycles in a test witnessed and verified by UL.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- 4) Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.
 - 5) Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 - (a) Where closers are indicated to have mechanical dead-stop, provide heavy duty arms and brackets with an integral positive stop.
 - (b) Where closers are indicated to have mechanical hold open, provide heavy duty units with an additional built-in mechanical holder assembly designed to hold open against normal wind and traffic conditions. Holder to be manually selectable to on-off position.
 - (c) Where closers are indicated to have a cushion-type stop, provide heavy duty arms and brackets with spring stop mechanism to cushion door when opened to maximum degree.
 - (d) Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics. Provide drop plates or other accessories as required for proper mounting.
 - 6) Closer Covers: Provide PVC free closer covers with a painted finish to match other hardware on the project.
 - 7) Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt or security type fasteners as specified in the door Hardware Sets.
 - 8) For doors with integral stop, provide separate concealed overhead stop, if door closer manufacturer doesn't offer integral stop with the door closer.
- B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
- 1) Acceptable Manufacturers:
 - (a) Best (BE) – HD6000 Series.
 - (b) Corbin Russwin Hardware (RU) - DC8000 Series.
 - (c) Dorma (DM) - 8900 Series.
 - (d) LCN Closers (LC) - 4040XP Series.
 - (e) Sargent Manufacturing (SA) - 351 Series.

2.14 AUTOMATIC DOOR OPERATORS

- A. General: Provide operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for compliance with UL 325. Coordinate operator mechanisms with door operation, hinges, and activation devices.
 - 1) Fire-Rated Doors: Provide door operators for fire-rated door assemblies that comply with NFPA 80 for fire-rated door components and are listed and labeled by a qualified testing agency.
- B. Electromechanical Door Operators: Self-contained units powered by permanent magnet DC motor, with closing speed controlled mechanically by gear train, connections for power, activation and safety device wiring, and manual operation including spring closing when power is off.

SECTION 087100 – DOOR HARDWARE – Addendum 1

- C. Electrohydraulic Door Operators: Self-contained low-pressure units with rack and pinion design contained within a cast aluminum housing. Door closing speed controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle. Operator is to provide conventional door closer opening and closing forces unless the power operator motor is activated. Unit is to include an adjustable hydraulic backcheck valve to cushion the door speed if opened violently. Non-handed units for both push and pull side applications.
- D. Brackets and Reinforcements: Manufacturer's standard, fabricated from aluminum with nonferrous shims for aligning system components.
- E. Standard: Certified ANSI/BHMA A156.19.
 - 1) Performance Requirements:
 - (a) Opening Force if Power Fails: Not more than 15 lbf required to release a latch if provided, not more than 30 lbf required to manually set door in motion, and not more than 15 lbf required to fully open door.
 - (b) Entrapment Protection: Not more than 15 lbf required to prevent stopped door from closing or opening.
- F. Configuration: Surface mounted. Door operators to control single swinging and pair of swinging doors.
- G. Operation: Power opening and spring closing operation capable of meeting ANSI A117.1 accessibility guideline. Provide time delay for door to remain open before initiating closing cycle as required by ANSI/BHMA A156.19. When not in automatic mode, door operator to function as manual door closer with fully adjustable opening and closing forces, with or without electrical power.
 - 1) On-off switch to control power to be key switch operated.
- H. Features: Operator units to have full feature adjustments for door opening and closing force and speed, backcheck, motor assist acceleration from 0 to 30 seconds, time delay, vestibule interface delay, obstruction recycle, and hold open time from 0 up to 30 seconds.
- I. Provide outputs and relays on board the operator to allow for coordination of exit device latch retraction, electric strikes, magnetic locks, card readers, safety and motion sensors and specified auxiliary contacts.
- J. Activation Devices: Provide activation devices in accordance with ANSI/BHMA A156.19 standard, for condition of exposure indicated and for long term, maintenance free operation under normal traffic load operation. Coordinate activation control with electrified hardware and access control interfaces. Activation switches are standard SPST, with optional DPDT availability.
- K. Signage: As required by cited ANSI/BHMA A156.19 standard for the type of operator.
 - 1) Acceptable Manufacturers:
 - (a) Dorma (DM) – ED900 Series.
 - (b) Horton Automatics (HO) - 4000 Series.
 - (c) LCN Closers (LC) - 4640 Series.

2.15 ARCHITECTURAL TRIM

SECTION 087100 – DOOR HARDWARE – Addendum 1

A. Door Protective Trim

- 1) General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
- 2) Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
- 3) Metal Protection Plates: ANSI/BHMA A156.6 certified metal protection plates (kick, armor, or mop), beveled on four edges (B4E), fabricated from the following.
 - (a) Stainless Steel: .050-inch thick, with countersunk screw holes (CSK).
- 4) Fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets.
- 5) Metal Door Edging: Door protection edging fabricated from a minimum .050-inch thick metal sheet, formed into an angle or "U" cap shapes, surface or mortised mounted onto edge of door. Provide appropriate leg overlap to account for protection plates as required. Height to be as specified in the Hardware Sets.
 - (a) Acceptable Manufacturers:
 - (i) Hager (HA).
 - (ii) Hiawatha, Inc. (HI).
 - (iii) Ives (IV).
 - (iv) Rockwood Manufacturing (RO).
 - (v) Trimco (TR).

2.16 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
 - 1) Acceptable Manufacturers:
 - (a) Hager (HA).
 - (b) Hiawatha, Inc. (HI).
 - (c) Ives (IV).
 - (d) Rockwood Manufacturing (RO).
 - (e) Trimco (TR).
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
 - 1) Acceptable Manufacturers:
 - (a) Dorma (DM).

SECTION 087100 – DOOR HARDWARE – Addendum 1

- (b) Glynn-Johnson (GJ).
- (c) Rixson Door Controls (RX).
- (d) Sargent Manufacturing (SA).

2.17 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1) Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1) Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated, based on testing according to ASTM E 1408.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
 - 1) Acceptable Manufacturers:
 - (a) National Guard Products (NA).
 - (b) Pemko Manufacturing (PE).
 - (c) Zero International (ZE).

2.18 ELECTRONIC ACCESSORIES

- A. Push-Button Switches: Industrial grade momentary or alternate contact, back-lighted push buttons with stainless-steel switch enclosures. 12/24 VDC bi-color illumination suitable for either flush or surface mounting.
 - 1) Acceptable Manufacturers:
 - (a) Security Door Controls (SD) - 400 Series.
 - (b) Securitron (SU) - PB Series.
- B. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling.

SECTION 087100 – DOOR HARDWARE – Addendum 1

Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1) Acceptable Manufacturers:

- (a) Sargent Manufacturing (SA) – 3280 Series.
- (b) Securitron (SU) - DPS Series.

C. Power Supplies: Provide Nationally Recognized Testing Laboratory Listed 12VDC or 24VDC (field selectable) filtered and regulated power supplies. Include battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1) Acceptable Manufacturers:

- (a) Dorma (DM) – PS Series.
- (b) Sargent Manufacturing (SA) – 3500 Series.
- (c) Security Door Controls (SD) - 630 Series.
- (d) Securitron (SU) - BPS Series.
- (e) Von Duprin (VO) - PS.

2.19 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.20 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

SECTION 087100 – DOOR HARDWARE – Addendum 1

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1) Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1) Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2) Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
 - 3) Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4) Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
 - 5) Mount overlap astragals to protect the latchbolt from the locked side. For inswing doors, mount the astragal to the inactive door leaf. For outswing doors, mount the astragal to the active door leaf.
 - 6) For outswing exterior doors with parallel arm door closer mount, install head weather strip first, before mounting the door closer. Door closer soffit shoe will mount to the head weather strip and not the frame. This will move the door closer down slightly.
 - 7) For push pull bar set, mount horizontal push bar at 42 inches above the floor. Mount top of pull to common end of the push bar.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

SECTION 087100 – DOOR HARDWARE – Addendum 1

3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish, and provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SCHEDULE

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
- B. Reference hardware set assignments at the end of this schedule

Manufacturer List

Code	Name
AD	Adams Rite
BE	Best Access Systems
BEA	BEA, Inc.
CX	Camden Door Controls
DM	Dorma Door Controls
MC	McKinney
MH01	Misc Hardware – by others
NA	National Guard
PE	Pemko
PR	BEST Precision Exit Devices
RO	Rockwood
RX	Rixson

SECTION 087100 – DOOR HARDWARE – Addendum 1

Code	Name
SN	Securitron
TR	Trimco

Finish List

Code	Description
26D	Satin Chrome
622	Flat Black Coated
626	Satin Chromium Plated
628	Satin Aluminum, Clear Anodized
630	Satin Stainless Steel
689	Aluminum Painted
693	Black Painted
AL	Aluminum
BLACK	Black
BLK	Black
D4	Black Powder Coat
GREY	Grey
US26D	Chromium Plated, Dull
US32D	Stainless Steel, Dull

Option List

Code	Description
1 1/2"BS	1 1/2" Backset
1/4-20-2" COMBO	1/4-20 X COMBO MS/ANCHOR (SS)
ALK	ALARM, BATTERY OPERATED
B4E-HEAVY-KP	BEVELED 4 EDGES - KICK PLATES
CORMAX PATENTED KEYING	Cormax Patented Keying
CSK	COUNTER SINKING OF KICK and MOP PLATES
DA	ADJUSTABLE DELAYED ACTION
LBR	LESS BOTTOM ROD
MLR	MOTORIZED LATCH RETRACTION
PT	POWER TRANSFER PREP
S1	ANSI - Deadbolt Strike
S3	ANSI Strike Package
SMS-TEKS 6 X 3/4"	SELF DRILLING SCREWS 6 X 3/4"

Code	Description
SN1	SET (4) SEX NUTS - 1 3/4" DOORS (Std)
SNB (2)	SEX BOLTS (2)
SNB (4)	SEX BOLTS (4)
SNB (6)	SEX BOLTS (6)
Straight Bolt	Straight Bolt
T1 Mounting	For Wd or Metal - 2 #12 and 1 #5 Mtg.
TYPE 12 FASTENING	DECORATIVE THRU BOLT MOUNTING (1/4-20)
VIN	Visual Indicator

Opening List

Opening	Hdw Set	Opening Label	Door Type	Frame Type
101	8		HMD	HMF
102A	1		ALD	ALF
102B	1		ALD	ALF
102C	1		ALD	ALF
103A	4		ALD	ALF
103B	11		ALD	ALF
104	2		ALD	ALF
105	13		WDD	HMF
107	42		WDD	HMF
108	33		WDD	HMF
109	29		WDD	HMF
110	41		WDD	HMF
112A	17		WDD	HMF
112B	24		WDD	HMF
117B	5		HMD	HMF
119	21		WDD	HMF
120	35		WDD	HMF
121A	39		WDD	HMF
127B	7		HMD	HMF
132A	6		HMD	HMF
132B	20		WDD	HMF
133	46		WDD	HMF
135	1		OTHER	OTHER
136	37		WDD	HMF
137	29		WDD	HMF
138	33		WDD	HMF
139	27		WDD	HMF
140	22		WDD	HMF
141	22		WDD	HMF
143	43		WDD	HMF
144	32		WDD	HMF
145A	4		ALD	ALF
145B	44		WDD	HMF
145C	28		WDD	HMF
146	29		WDD	HMF
147	33		WDD	HMF
148	25		WDD	HMF
150	29		WDD	HMF
151	15		WDD	HMF
152	15		WDD	HMF
153	29		WDD	HMF
154	37		WDD	HMF
155	39		WDD	HMF
156	33		WDD	HMF

Opening	Hdw Set	Opening Label	Door Type	Frame Type
158	25		WDD	HMF
159	25		WDD	HMF
160	25		WDD	HMF
161	25		WDD	HMF
162	25		WDD	HMF
163A	28		WDD	HMF
163B	45		ALD	ALF
202	9	60Min	WDD	HMF
203	23		WDD	HMF
204	23		WDD	HMF
205	34.1		WDD	HMF
206	34.1		WDD	HMF
207	34.1		WDD	HMF
210A	38		WDD	HMF
210B	38		WDD	HMF
211A	18		WDD	HMF
211B	18		WDD	HMF
212A	38		WDD	HMF
212B	38		WDD	HMF
213A	40		WDD	HMF
213B	26		WDD	HMF
214A	12		WDD	ALF
214B	19		WDD	HMF
215	34		WDD	HMF
216	34		WDD	HMF
217	34		WDD	HMF
218	34		WDD	HMF
219	34		WDD	HMF
220	34		WDD	HMF
221	34		WDD	HMF
222	34		WDD	HMF
223	34		WDD	HMF
224	38		WDD	HMF
225	10	60Min	WDD	HMF
226A	14		WDD	HMF
226B	14		WDD	HMF
227	34		WDD	HMF
228	34		WDD	HMF
229	34		WDD	HMF
230	34		WDD	HMF
231	34		WDD	HMF
233	30		WDD	HMF
234	30		WDD	HMF
235	30		WDD	HMF
238	34		WDD	HMF
239	34		WDD	HMF
240	34		WDD	HMF
241	34		WDD	HMF

Opening	Hdw Set	Opening Label	Door Type	Frame Type
242	26		WDD	HMF
243	34		WDD	HMF
244	34		WDD	HMF
245	34		WDD	HMF
246	36		WDD	HMF
247	16		HMD	HMF
248	31		WDD	HMF

Hardware Sets

Set #01 - Automatic Sliders

Doors: 102A, 102B, 102C, 135

1	Mortise Cylinder	1E-74 STD CORMAX PATENTED KEYING	626	BE
	NOTE: All other hardware provided by door supplier.			

Set #02 - Ext Medium Stile ALUM SGL 05.76.360

Doors: 104

1	Pivot Set	OPJ350	626	DM
1	Side Pivot	75220	626	DM
1	Exit Device Rim (NL-OP, elec.)	MLR 2403 x NCA-03	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
1	Offset Door Pull	BF168 TYPE 12 FASTENING	US32D	RO
1	Closer (top jamb)	8916 AF89/AF89J	689	DM
1	Conc. Overhead Stop	#6 series stop	630	RX
1	Door Position Switch	DPS-M-GY		SN
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Desk Push Button	PB3ER	US32D	SN
	NOTE: locate at desk in corridor 201 across from elevator.			
1	Card Reader	By others		MH01
1	Drip Cap	16 A TEK		NA
1	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

NOTE: Valid card read or desk mount push button unlocks exit device, allowing door to be pulled open.

Set #03 - Ext Medium Stile ALUM SGL 05.76.360

Doors: 163B

1	Pivot Set	OPJ350	626	DM
1	Side Pivot	75220	626	DM
1	Exit Device Rim (NL-OP, elec.)	MLR 2403 x NCA-03	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
1	Offset Door Pull	BF168 TYPE 12 FASTENING	US32D	RO
1	Closer (top jamb)	8916 AF89/AF89J	689	DM
1	Conc. Overhead Stop	#6 series stop	630	RX
1	Door Position Switch	DPS-M-GY		SN
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Card Reader	By others		MH01
1	Drip Cap	16 A TEK		NA
1	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

NOTE: Valid card read unlocks exit device, allowing door to be pulled open.

Set #04 - EXT Medium Stile ALUM SGL 07.21.360

Doors: 103A, 145A

1	Pivot Set	OPJ350	626	DM
1	Side Pivot	75220	626	DM
1	Deadlatch	4510 1 1/2"BS	628	AD
1	Mortise Cylinder	1E-74 STD CORMAX PATENTED KEYING	626	BE
1	Offset Door Pull	BF168 TYPE 12 FASTENING	US32D	RO
1	Push/Pull Bar	47-PB T1 Mounting	US32D	RO
1	Closer (top jamb)	8916 AF89/AF89J	689	DM
1	Conc. Overhead Stop	#6 series stop	630	RX
1	Door Position Switch	DPS-M-GY		SN
1	Paddle Operator	4591	US26D	AD
1	Drip Cap	16 A TEK		NA
1	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

Set #05 - EXT HMD PR 11.70.241SVRwBRG

Doors: 117B

1	Continuous Hinge	CFM __ HD1		PE
1	Continuous Hinge	CFM__HD1 PT		PE
1	Exit Device SVR (DT)	2202 X 1702A SNB (6)	630	PR
1	Exit Device SVR (NL, elec.)	MLR 2203 X 1703A SNB (6)	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
2	Closer (PA w stop hold arm)	8916 DST SN1	689	DM
2	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
2	Door Position Switch	DPS-M-GY		SN
2	Latch cover	BFLG10	US32D	RO
2	Rod cover	BFRC24	US32D	RO
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Card Reader	By others		MH01
1	Drip Cap	16 A TEK		NA
1	Head Weather Strip	700 NA TEK PR		NA
2	Jamb Weather Strip	135 NA TEK		NA
1	Set of Astragal Seals	9115 A TEK (set)		NA
2	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

NOTE: Valid card read unlocks one door leaf, allowing door to be pulled open.

Set #06 - EXT HMD SGL 15.70.241

Doors: 132A

1	Continuous Hinge	CFM__HD1 PT		PE
1	Exit Device Rim (NL, elec)	MLR 2103 X 1703A SNB (2)	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
1	Closer (PA w stop arm)	8916 DS SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Door Position Switch	DPS-M-GY		SN
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Card Reader	By others		MH01
1	Drip Cap	16 A TEK		NA
1	Hinge Jamb Weather Strip	135 NA TEK 84		NA
1	Strike Jamb Weather Strip	700 NA TEK 84		NA
1	Head Weather Strip	700 NA TEK SGL		NA
1	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

NOTE: Valid card read unlocks exit device, allowing door to be pulled open.

Set #07 - EXT HMD SGL 15.70.2A1

Doors: 127B

1	Continuous Hinge	CFM__HD1 PT		PE
1	Exit Device Rim (NL, elec)	MLR 2103 X 1703A SNB (2)	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
1	Closer (PA w stop hold arm)	8916 DST SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Door Position Switch	DPS-M-GY		SN
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Card Reader	By others		MH01
1	Drip Cap	16 A TEK		NA
1	Hinge Jamb Weather Strip	135 NA TEK 84		NA
1	Strike Jamb Weather Strip	700 NA TEK 84		NA
1	Head Weather Strip	700 NA TEK SGL		NA
1	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

NOTE: Valid card read unlocks exit device, allowing door to be pulled open.

Set #08 - EXT HMD SGL 15.74.241

Doors: 101

1	Continuous Hinge	CFM __ HD1		PE
1	Exit Device Rim (NL, alarm)	2103 X 1703A ALK SNB (2)	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
1	Mortise Cylinder	1E-74 STD CORMAX PATENTED KEYING	626	BE
1	Closer (PA w stop arm)	8916 DS SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Door Position Switch	DPS-M-GY		SN
1	Drip Cap	16 A TEK		NA
1	Hinge Jamb Weather Strip	135 NA TEK 84		NA
1	Strike Jamb Weather Strip	700 NA TEK 84		NA
1	Head Weather Strip	700 NA TEK SGL		NA
1	Door Sweep	200 NA TEK		NA
1	Saddle Threshold	425 1/4-20-2" COMBO	AL	NA

NOTE: Alarmed exit device

Set #09 - Rated PR 22.09.141BLK

Doors: 202

6	Hinges	TA2714	D4	MC
1	Semi-Auto Flushbolt	3820 X 3810	622	TR
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	622	BE
1	Coordinator	3094 w filler bar	BLACK	TR
2	Closer (RA w stop)	8916 IS SN1	693	DM
2	Kick Plate, plastic	K6000 10" high	BLK	TR
2	Mounting Bracket	3095 or 3096	BLACK	TR
1	Dust Proof Strike	3910	622	TR
1	Astragal	109 NBLA TEK		NA
1	Set of Corner Pads	54 CP		NA
2	Rabbet Snd Seal Jambs	5075 B		NA
1	Rabbet Snd Seal Head	5075 B		NA
1	Head Snd Seal	700 NBLA TEK		NA
2	Jamb Snd Seal	107 NBLA TEK		NA
2	Auto Door Bottom	220 NBLA		NA

Set #10 - Rated PR 22.09.141(1)WSBLK

Doors: 225

6	Hinges	TA2714	D4	MC
1	Semi-Auto Flushbolt	3820 X 3810	622	TR
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	622	BE
1	Coordinator	3094 w filler bar	BLACK	TR
1	Closer (RA w stop)	8916 IS SN1	693	DM
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
2	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
2	Mounting Bracket	3095 or 3096	BLACK	TR
1	Dust Proof Strike	3910	622	TR
1	Astragal	109 NBLA TEK		NA
1	Set of Corner Pads	54 CP		NA
2	Rabbet Snd Seal Jambs	5075 B		NA
1	Rabbet Snd Seal Head	5075 B		NA
1	Head Snd Seal	700 NBLA TEK		NA
2	Jamb Snd Seal	107 NBLA TEK		NA
2	Auto Door Bottom	220 NBLA		NA

Set #11 - INT Medium Stile ALUM SGL 07.23.360

Doors: 103B

1	Pivot Set	OPJ350	626	DM
1	Side Pivot	75220	626	DM
1	Deadlock	MS1850S Straight Bolt	628	AD
2	Mortise Cylinder	1E-74 STD CORMAX PATENTED KEYING	626	BE
1	Offset Door Pull	BF168 TYPE 12 FASTENING	US32D	RO
1	Push/Pull Bar	47-PB T1 Mounting	US32D	RO
1	Closer (top jamb)	8916 AF89/AF89J	689	DM
1	Conc. Overhead Stop	#6 series stop	630	RX
3	Silencers	BY ALUMINUM FRAME SUPPLIER		MH01

Set #12 - 41.46.2A1SVRBLK

Doors: 214A

6	Hinges	T4A3786	D4	MC
1	Exit Device SVR (lever)	2208 X V4908A LBR SNB (4)	622	PR
1	Exit Device SVR (lever, elec.)	MLR 2208 X V4908A LBR SNB (4)	622	PR
2	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	622	BE
2	Closer (PA w stop hold arm)	8916 DST SN1	693	DM
2	Kick Plate, plastic	K6000 10" high	BLK	TR
2	Wall Bumper	1270CX	622	TR
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Desk Push Button	PB3ER	US32D	SN
NOTE: locate at desk in corridor 201 across from elevator.				
1	Card Reader	By others		MH01
2	Silencer	1229A	GREY	TR

NOTE: Valid card read or desk mount push button unlocks exit device, allowing door to be pulled open.

Set #13 - PR 42.9A.201SLFB

Doors: 105

6	Hinges	TA2714	26D	MC
1	Self Latch FB top only	3825L	626	TR
1	Electromechanical Lock	45HW-7WEU15H STD CORMAX PATENTED KEYING S1	626	BE
1	Coordinator	3094 w filler bar	BLACK	TR
2	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
2	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
2	Wall Stop	1270CX	626	TR
2	Mounting Bracket	3095 or 3096	BLACK	TR
1	Power Transfer	EPT-12C		PR
2	Card Reader	By others		MH01
1	Power Supply	DKPS-2A		DM
2	Silencer	1229A	GREY	TR

NOTE: Valid card read (two card readers) unlocks both levers allowing door to be opened.
Not an egress door.

Set #14 - PR 42.08A.000SLFBBLK

Doors: 226A, 226B

6	Hinges	TA2714	D4	MC
1	Self Latch FB top only	3825L	622	TR
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	622	BE
2	Kick Plate, plastic	K6000 10" high	BLK	TR
2	Wall Bumper	1270CX	622	TR
2	Silencer	1229A	GREY	TR

Set #15 - PR 42.09.241SLFB

Doors: 152, 151

6	Hinges	TA2714	26D	MC
1	Self Latch FB top only	3825L	626	TR
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	626	BE
1	Coordinator	3094 w filler bar	BLACK	TR
2	Closer	8916 DS SN1	689	DM
2	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
2	Mounting Bracket	3095 or 3096	BLACK	TR
2	Silencer	1229A	GREY	TR

Set #16 - SGL 45.20.201BLK

Doors: 247

3	Hinges	T4A3786	D4	MC
1	Exit Device Rim (pass. lev.)	2114 X 4914A SNB (2)	622	PR
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #17 - SGL 47.99.201

Doors: 112A

3	Hinges	T4A3786	26D	MC
1	Electromechanical Lock	45HW-7DEU15H STD CORMAX PATENTED KEYING S1	626	BE
1	Power Transfer	EPT-12C		PR
1	Card Reader	By others		MH01
1	Power Supply	DKPS-2A		DM
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

NOTE: Valid card reader unlocks locked lever (stairwell side) allowing door to be opened.
Free egress always from grocery storage side.

Set #18 - SGL 45.40.201BLK

Doors: 211A, 211B

3	Hinges	T4A3786	D4	MC
1	Exit Device Rim (lever)	2108 X V4908A SNB (2)	622	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	622	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #19 - SGL 45.46.201BLK

Doors: 214B

3	Hinges	T4A3786	D4	MC
1	Exit Device Rim (lever, elec.)	MLR 2108 X V4908A SNB (2)	622	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	622	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
1	Power Transfer	EPT-12C		PR
1	Power Supply	RPSMLR2BB		PR
1	Card Reader	By others		MH01
3	Silencer	1229A	GREY	TR

NOTE: Valid card read unlocks exit device, allowing door to be pulled open.

Set #20 - SGL 47.9A.201

Doors: 132B

3	Hinges	T4A3786	26D	MC
1	Electromechanical Lock	45HW-7WEU15H STD CORMAX PATENTED KEYING S1	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
1	Power Transfer	EPT-12C		PR
2	Card Reader	By others		MH01
1	Power Supply	DKPS-2A		DM
3	Silencer	1229A	GREY	TR

NOTE: Valid card read (two card readers) unlocks both levers allowing door to be opened.
Not an egress door.

Set #21 - SGL 45.60.201

Doors: 119

3	Hinges	T4A3786	26D	MC
1	Exit Device Rim (stor. lev.)	2103 X 4903A SNB (2)	630	PR
1	Rim Cylinder	12E-72 STD CORMAX PATENTED KEYING	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #22 - SGL 47.00.103

Doors: 140, 141

3	Hinges	TA2714	26D	MC
1	Pull Plate	1014-3B 4" x 16"	630	TR
1	Closer (RA)	8916 AF89 SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Push Plate	1001-9 6" x 16"	630	TR
1	Mop Plate	KM050 4" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #23 - SGL 47.00.103BLK

Doors: 203, 204

3	Hinges	TA2714	D4	MC
1	Pull Plate	1014-3B 4" x 16"	622	TR
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Mop Plate, plastic	K6000 4" high	BLK	TR
1	Push Plate	1001-9 6" x 16"	622	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #24 - SGL 47.68.901

Doors: 112B

3	Hinges	TA2714	26D	MC
1	Pull Plate	1014-3B 4" x 16"	630	TR
1	Magnalock	M680E-BDX-628		SN
1	Automatic operator	ED 900 J8/J12	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Push Plate	1001-9 6" x 16"	630	TR
1	Wall Stop	1270CX	626	TR
2	Hands Free Switches	CM-324/41S		CX
1	Card Reader	By others		MH01
3	Silencer	1229A	GREY	TR
1	DPDT 24VDC Isolation Relay	10REL24VDC		BEA
1	Emergency Exit But.	EEB2		SN

NOTE: Locate Emergency Exit Button on Grocery storage 118 side.

NOTE: Valid card read will release the magnetic lock allowing door to be pulled open. When magnetic lock is released hands free switch will be active and will open the door if activated.

From Grocery storage 118 magnetic lock motion sensor will release the lock allowing ingress to the store.

Emergency exit button provided as backup to motion detector release of the magnetic lock. Hands free actuator on Grocery storage 118 side is always active and will signal automatic operator to open the door. Mount relay in the power supply. Relay used for card reader release magnetic lock and enable hands free actuator.

Fire alarm to drop magnetic lock during alarm.

Set #25 - SGL 47.02.000

Doors: 148, 158, 159, 160, 161, 162

3	Hinges	TA2714	26D	MC
1	Passage Set F75	9K3-0N15D	626	BE
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #26 - SGL 47.02.000BLK

Doors: 213B, 242

3	Hinges	TA2714	D4	MC
1	Passage Set F75	9K3-0N15D S3	622	BE
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #27 - SGL 47.02.103

Doors: 139

3	Hinges	TA2714	26D	MC
1	Passage Set F75	9K3-0N15D	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Mop Plate	KM050 4" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #28 - SGL 47.02.1/201

Doors: 145C, 163A

3	Hinges	TA2714	26D	MC
1	Passage Set F75	9K3-0N15D	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #29 - SGL 47.03.103IND

Doors: 146, 150, 153, 109, 137

3	Hinges	TA2714	26D	MC
1	Privacy Set F19 w IND	45H-0L15H S1 VIN	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Mop Plate	KM050 4" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #30 - SGL 47.03.103INDBLK

Doors: 233, 234, 235

3	Hinges	TA2714	D4	MC
1	Privacy Set F19 w IND	45H-0L15H S1 VIN	622	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Mop Plate, plastic	K6000 4" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #31 - SGL 47.03.201INDBLK

Doors: 248

3	Hinges	TA2714	D4	MC
1	Privacy Set F19 w IND	45H-0L15H S1 VIN	622	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #32 - SGL 47.06.001

Doors: 144

3	Hinges	TA2714	26D	MC
1	Lockset, Classroom F84	9K3-7R15D STD CORMAX PATENTED KEYING S3	626	BE
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #33 - SGL 47.08.000

Doors: 147, 156, 108, 138

3	Hinges	TA2714	26D	MC
1	Lockset, Dormitory F90	9K3-7T15D STD CORMAX PATENTED KEYING S3	626	BE
1	Wall Bumper	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #34 - SGL 47.08.000BLK

Doors: 220, 221, 222, 223, 227, 228, 229, 230, 231, 238, 239, 240, 241, 243, 244, 245, 215, 216, 217, 218, 219

3	Hinges	TA2714	D4	MC
1	Lockset, Dormitory F90	9K3-7T15D STD CORMAX PATENTED KEYING S3	622	BE
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #35 - SGL 47.08.201

Doors: 120

3	Hinges	TA2714	26D	MC
1	Lockset, Dormitory F90	9K3-7T15D STD CORMAX PATENTED KEYING S3	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #36 - SGL 47.08.231BLK

Doors: 246

3	Hinges	TA2714	D4	MC
1	Lockset, Dormitory F90	9K3-7T15D STD CORMAX PATENTED KEYING S3	622	BE
1	Closer w hold open	8916 FH/FHP SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #37 - SGL 47.08A.000

Doors: 154, 136

3	Hinges	TA2714	26D	MC
1	Lockset, Entry F109	9K3-7AB15D STD CORMAX PATENTED KEYING S3	626	BE
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #38 - SGL 47.08A.000BLK

Doors: 210A, 210B, 212A, 212B, 224

3	Hinges	TA2714	D4	MC
1	Lockset, Entry F109	9K3-7AB15D STD CORMAX PATENTED KEYING S3	622	BE
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #39 - SGL 47.08A.1/201

Doors: 155, 121A

3	Hinges	TA2714	26D	MC
1	Lockset, Entry F109	9K3-7AB15D STD CORMAX PATENTED KEYING S3	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #40 - SGL 47.08A.101BLK

Doors: 213A

3	Hinges	TA2714	D4	MC
1	Lockset, Entry F109	9K3-7AB15D STD CORMAX PATENTED KEYING S3	622	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #41 - SGL 47.09.071

Doors: 110

3	Hinges	TA2714	26D	MC
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	626	BE
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #42 - SGL 47.09.1/201

Doors: 107

3	Hinges	TA2714	26D	MC
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	626	BE
1	Interchangeable Core	1CX-7X32X1	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #43 - SGL 47.09.1/201BLK

Doors: 205, 206, 207

3	Hinges	TA2714	D4	MC
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	622	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	693	DM
1	Kick Plate, plastic	K6000 10" high	BLK	TR
1	Wall Bumper	1270CX	622	TR
3	Silencer	1229A	GREY	TR

Set #44 - SGL 47.09.103DA

Doors: 143

3	Hinges	TA2714	26D	MC
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	626	BE
1	Closer	8916 AF89 DA SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Mop Plate	KM050 4" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

Set #45 - SGL 47.16.201

Doors: 145B

3	Hinges	TA2714	26D	MC
1	Lockset	9K3-7S15D STD CORMAX PATENTED KEYING	626	BE
1	Closer (RA/PA)	8916 AF89/AF89P SN1	689	DM
1	Kick Plate	K0050 10" high B4E-HVY CSK	630	TR
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

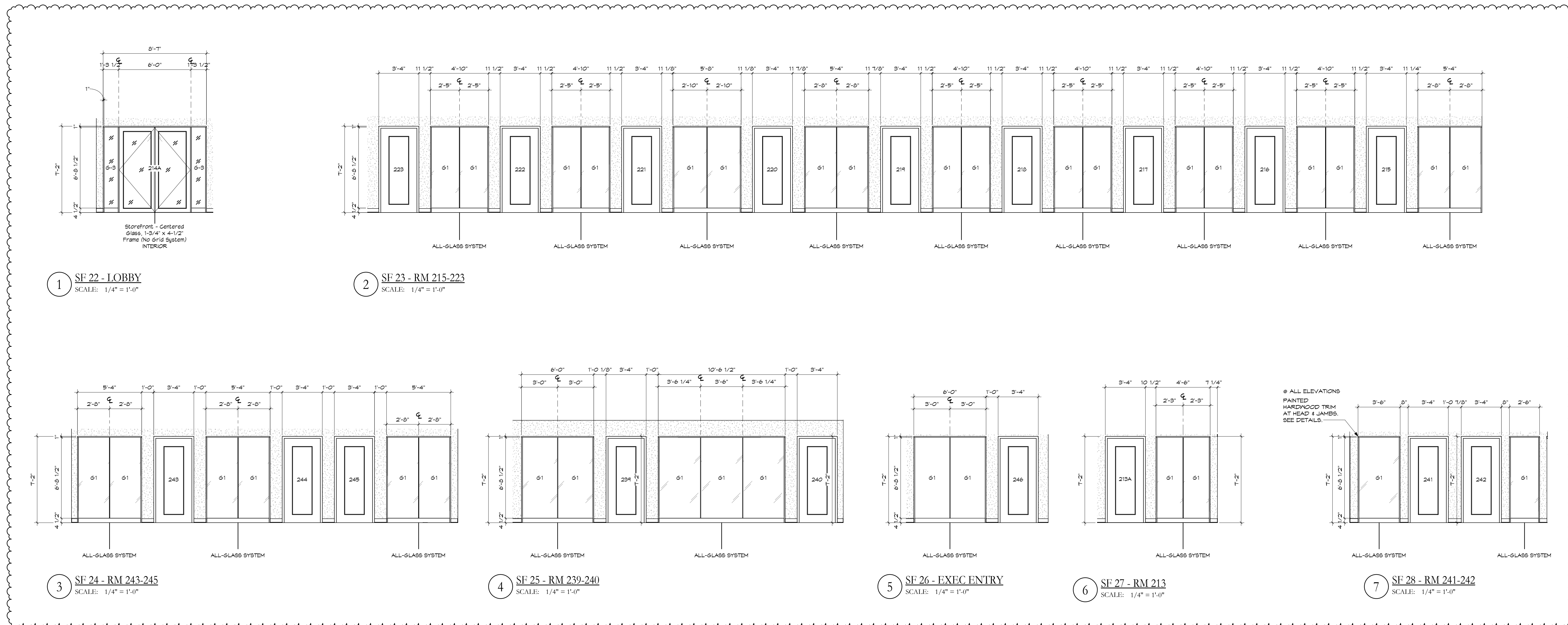
Set #46 - SGL 47.09.000

Doors: 133

3	Hinges	TA2714	26D	MC
1	Lockset, storeroom F86	9K3-7D15D STD CORMAX PATENTED KEYING S3	626	BE
1	Wall Stop	1270CX	626	TR
3	Silencer	1229A	GREY	TR

END OF SECTION 087100

9/22/2022 6:12:24 PM
C:\Users\ahf\Documents\Housing_Food & Jobs (HF-J) Community -ARCH-R20_AFrankingLZYT.rvt



1 SF 22 - LOBBY
SCALE: 1/4" = 1'-0"

2 SF 23 - RM 215-223
SCALE: 1/4" = 1'-0"

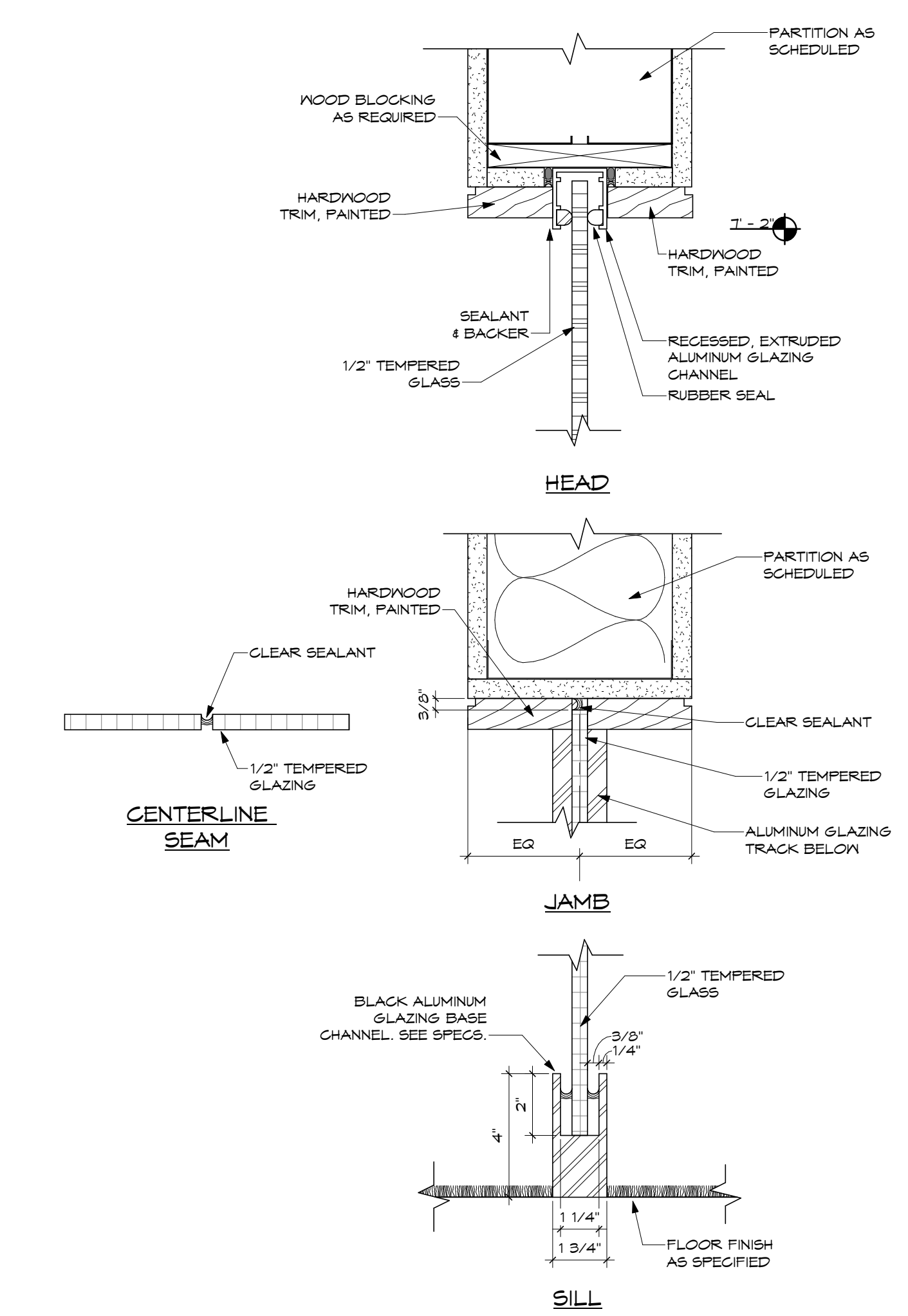
3 SF 24 - RM 243-245
SCALE: 1/4" = 1'-0"

4 SF 25 - RM 239-240
SCALE: 1/4" = 1'-0"

5 SF 26 - EXEC ENTRY
SCALE: 1/4" = 1'-0"

6 SF 27 - RM 213
SCALE: 1/4" = 1'-0"

7 SF 28 - RM 241-242
SCALE: 1/4" = 1'-0"



10 CURTAINWALL - FIXED GLASS DETAIL
SCALE: 3" = 1'-0"

GENERAL NOTES	
A. COORDINATE EXACT LOCATIONS OF ALUMINUM FRAMING WITH PLANS AND ELEVATIONS.	
B. REFER TO SPECIFICATIONS FOR GLAZING TYPES.	

LEGEND		ABBREVIATIONS	
	GLAZING, SEE SPECIFICATIONS	C.J.	CONTROL JOINT
	METAL PANEL SYSTEM, SEE ELEVATIONS FOR TYPE	C.M.	CORNER MULLION
	STOREFRONT SYSTEM TYPE	D.O.	DOOR OPENING
		R.O.	ROUGH OPENING (V.I.P.)
		G1	GLAZING TYPE

1	BID & PERMIT SET	09/09/2022
2	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

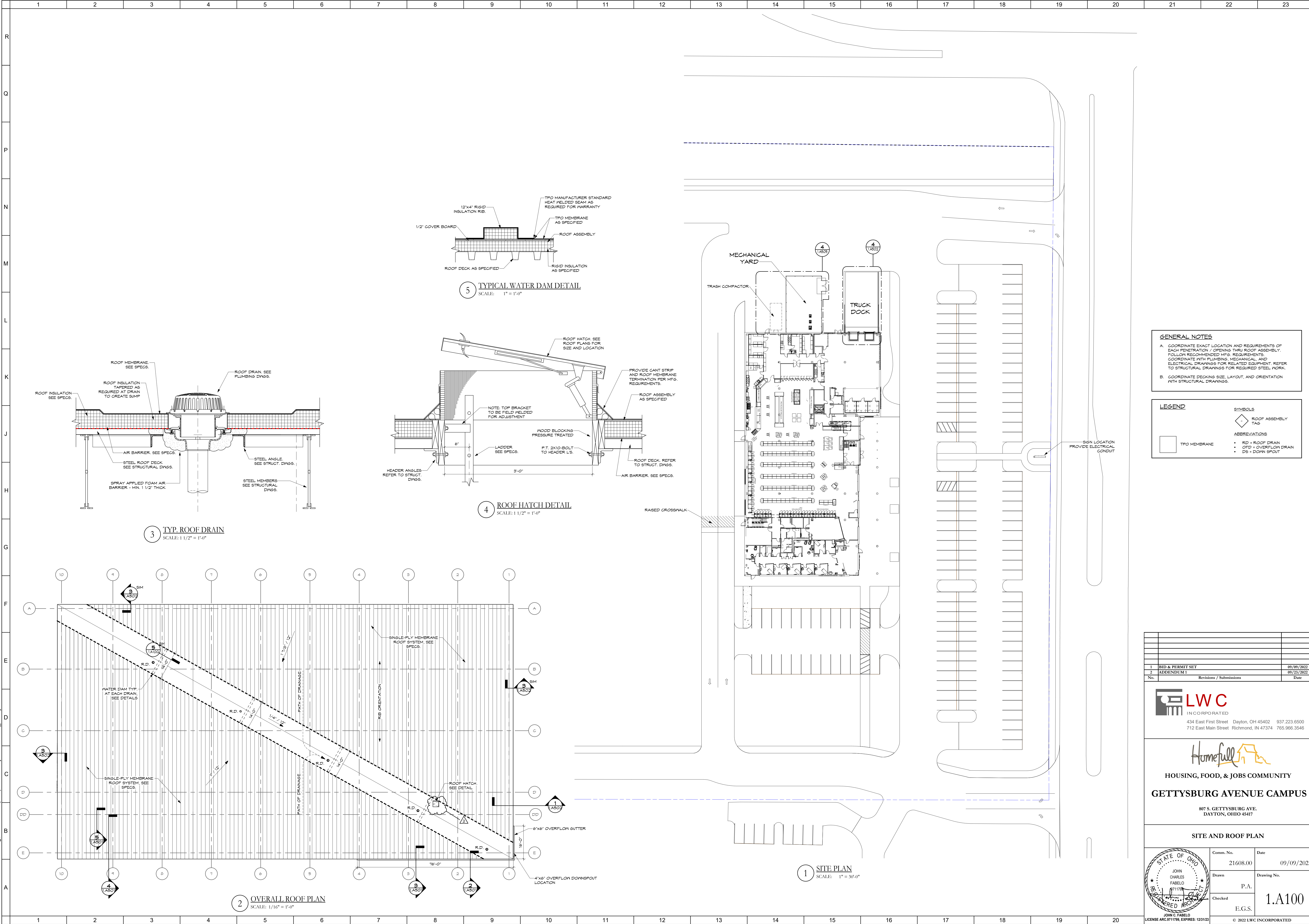
LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OHIO 45417

INTERIOR GLAZING & DETAILS

Comm. No.	21608.00	Date	09/09/2022
Drawn	A.H.F.	Drawing No.	1.A003
Checked	E.G.S.		

STATE OF OHIO
JOHN CHARLES FABELO
Professional Engineer
No. 11175
Exp. 12/31/2025
JOHN C. FABELO
LICENSE ARC 9711799, EXPIRES: 12/31/25
© 2022 LWC INCORPORATED



GENERAL NOTES

A. COORDINATE EXACT LOCATION AND REQUIREMENTS OF EACH PENETRATION / OPENING THRU ROOF ASSEMBLY. FOLLOW RECOMMENDED MFG. REQUIREMENTS. COORDINATE WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR RELATED EQUIPMENT. REFER TO STRUCTURAL DRAWINGS FOR REQUIRED STEEL WORK.

B. COORDINATE DECKING SIZE, LAYOUT, AND ORIENTATION WITH STRUCTURAL DRAWINGS.

LEGEND

SYMBOLS	ABBREVIATIONS
	ROOF ASSEMBLY T&D
	RD = ROOF DRAIN
	OFD = OVERFLOW DRAIN
	DS = DOWN SPOUT
	TPO MEMBRANE

1 BID & PERMIT SET		09/09/2022
2 ADDENDUM 1		09/23/2022
No.	Revisions / Submissions	Date

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

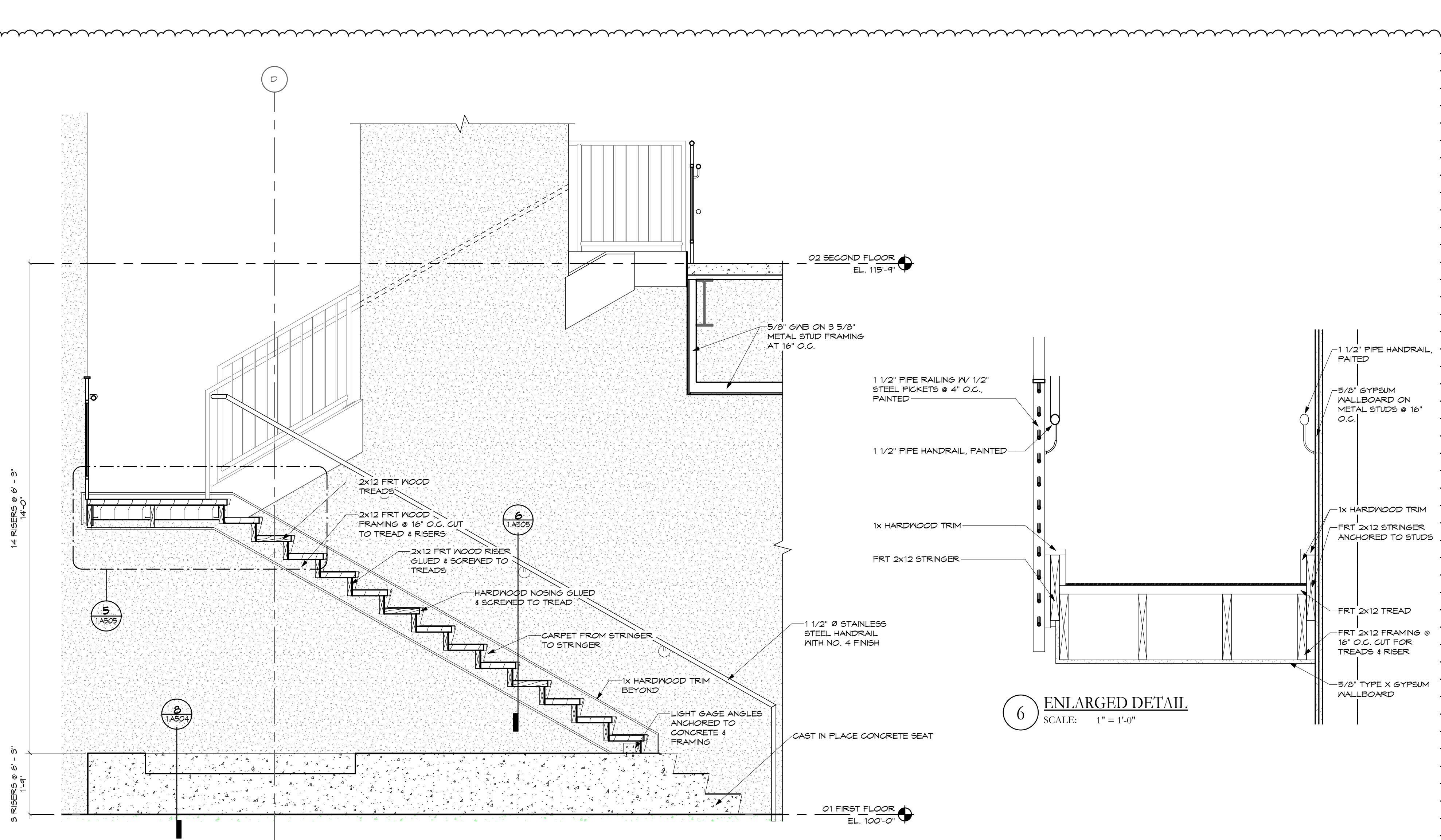
Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OHIO 45417

SITE AND ROOF PLAN

Comm. No.	21608.00	Date	09/09/2022
Drawn	JOHN CHARLES FABELO	Drawing No.	1.A100
Checked	P.A.		
	E.G.S.		

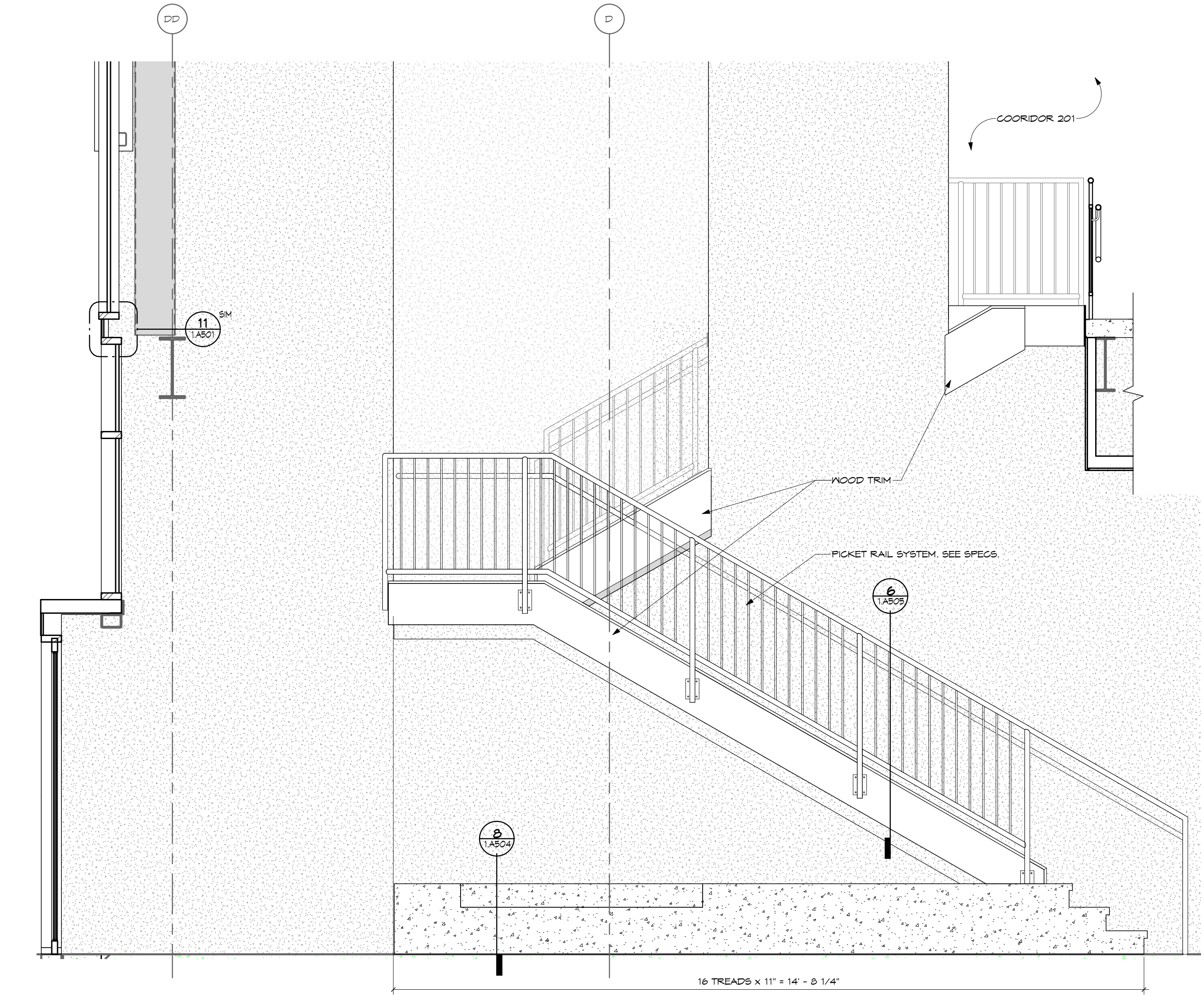
STATE OF OHIO
JOHN C. FABELO
LICENSE ARC 9711799, EXPIRES: 12/31/23
© 2022 LWC INCORPORATED

9/22/2022 6:12:27 PM
C:\Users\ahf\Documents\Housing, Food & Jobs (HFJ) Community - ARCH-R20 - AFRANKING LZYT.rvt

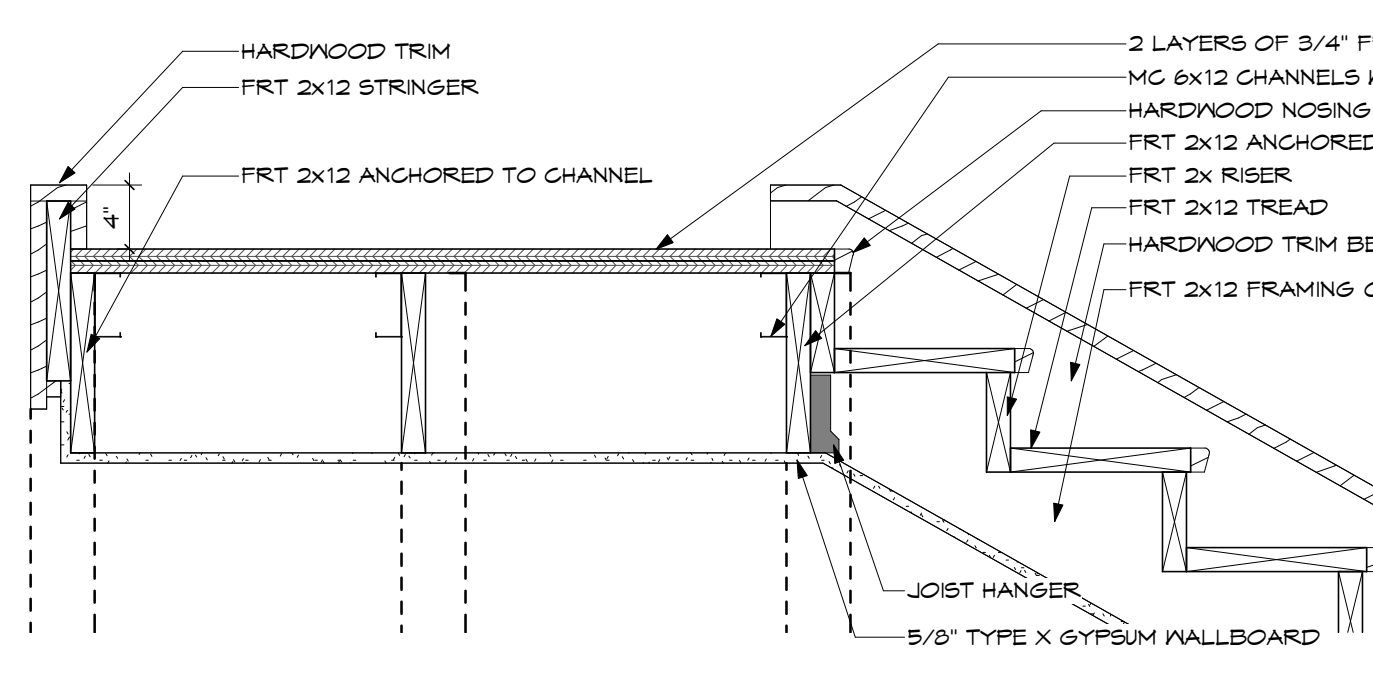


6 ENLARGED DETAIL
SCALE: 1" = 1'-0"

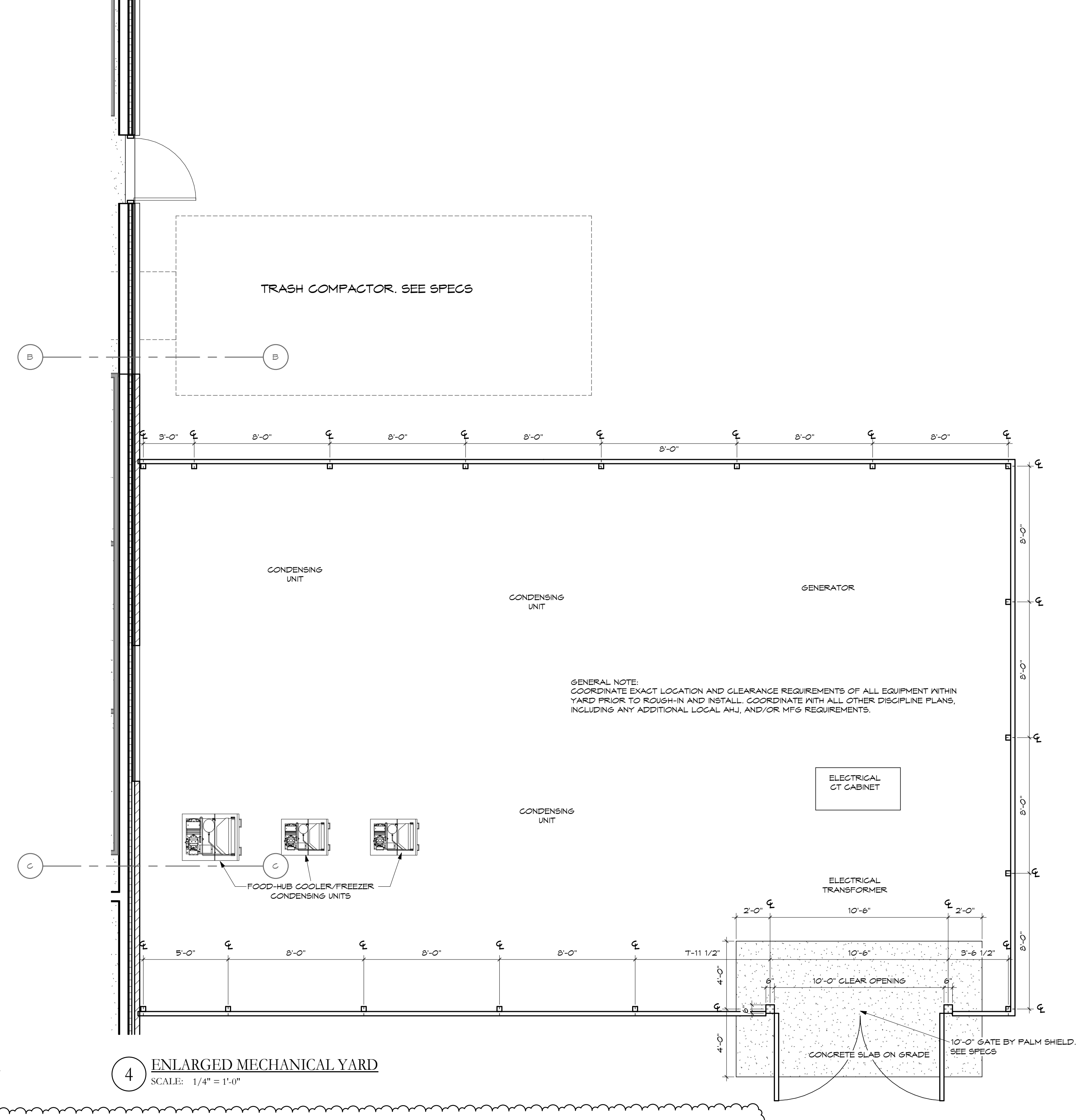
3 ALTERNATE EAST STAIR 104 SECTION
SCALE: 1/2" = 1'-0"



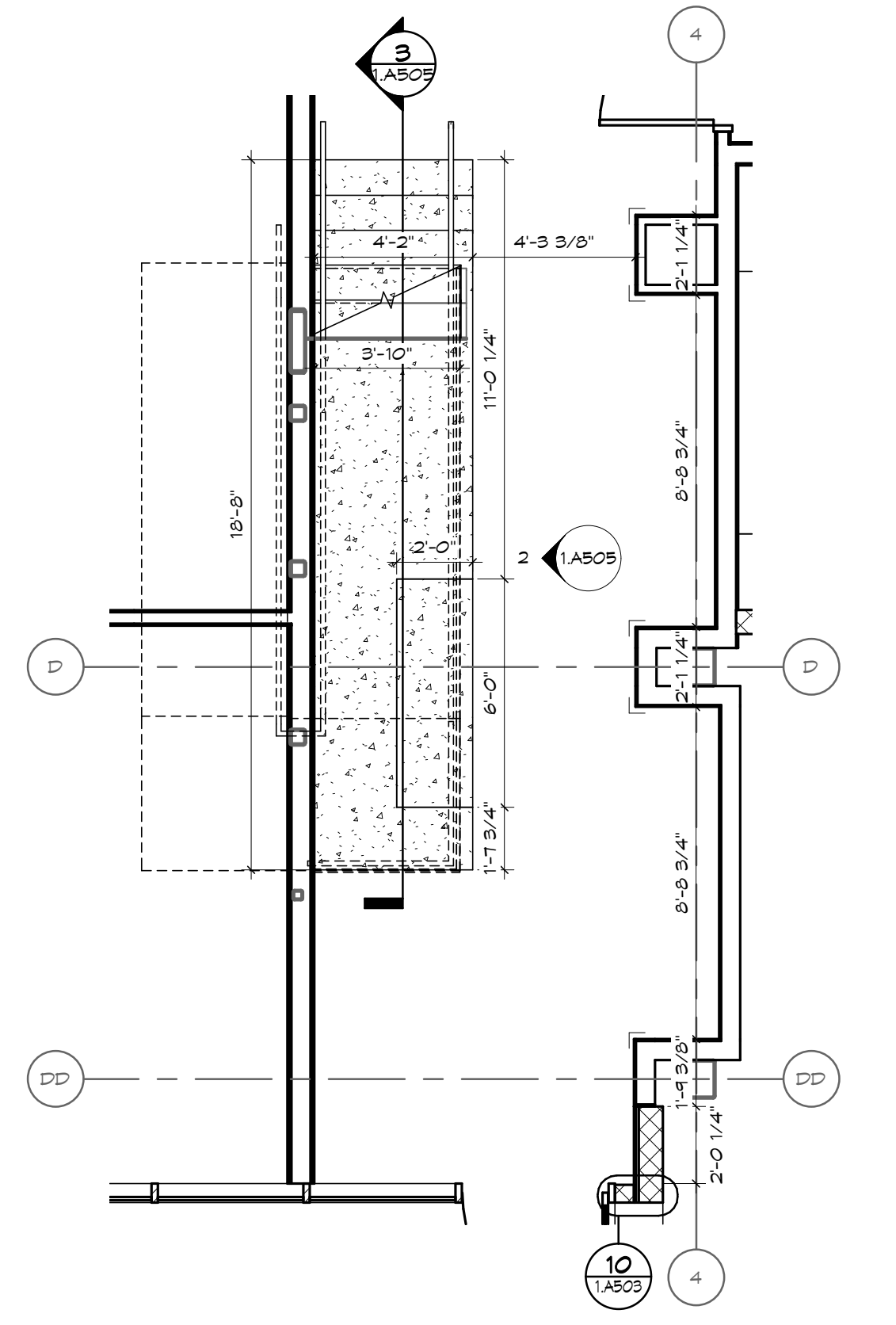
2 EAST STAIR 104 ELEVATION
SCALE: 1/2" = 1'-0"





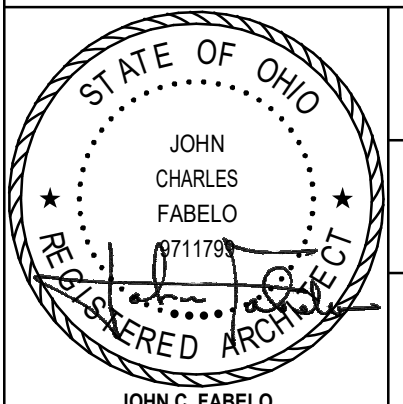
5 ENLARGED DETAIL
SCALE: 1" = 1'-0"

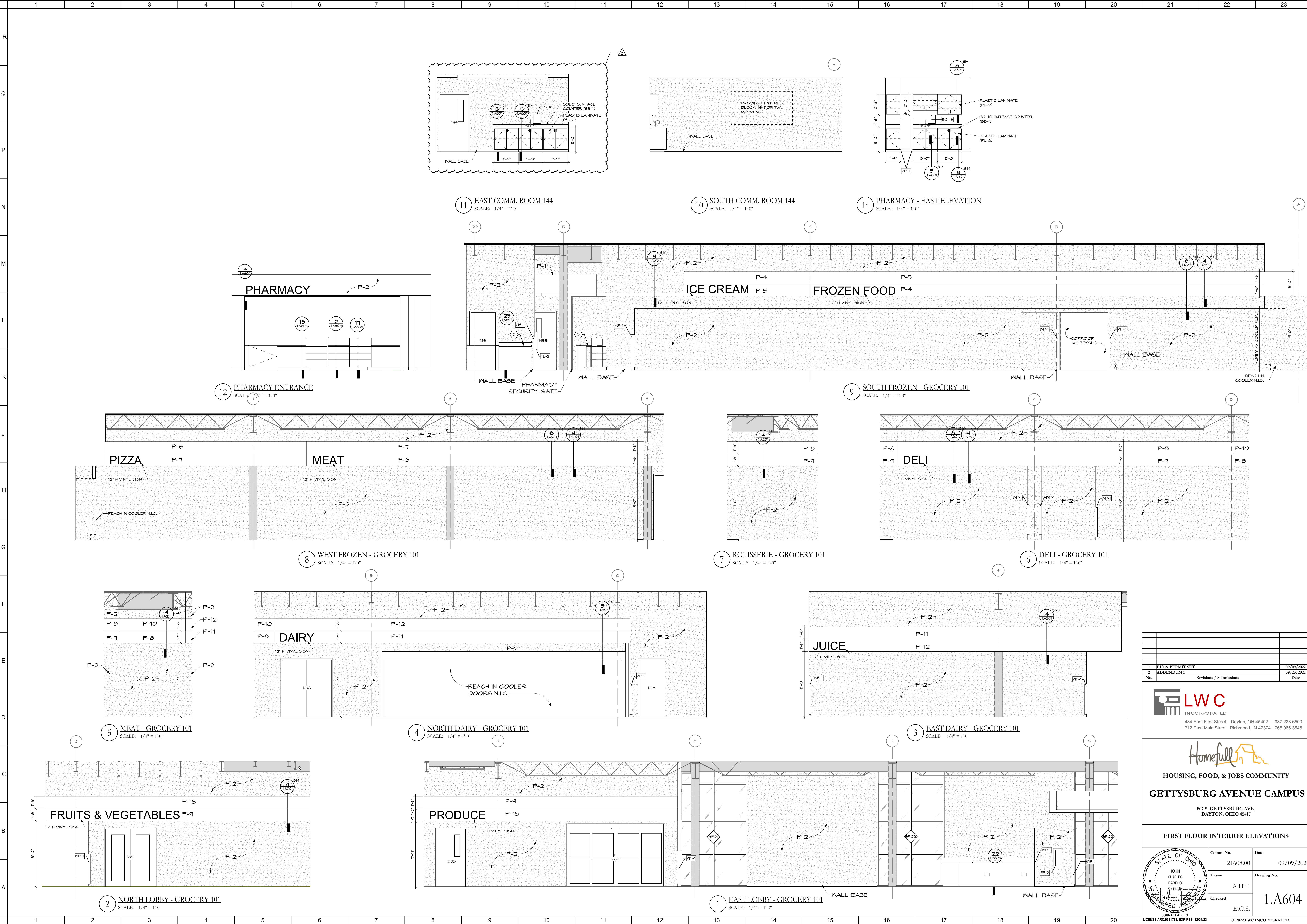


4 ENLARGED MECHANICAL YARD
SCALE: 1/4" = 1'-0"



1 ENLARGED PLAN VIEW ALTERNATE ENTRY STAIR
SCALE: 1/4" = 1'-0"

1 BID & PERMIT SET		09/09/2022
2 ADDENDUM 1		09/23/2022
No.	Revisions / Submissions	Date
 LWC INCORPORATED 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546		
 HOUSING, FOOD, & JOBS COMMUNITY GETTYSBURG AVENUE CAMPUS 807 S. GETTYSBURG AVE. DAYTON, OHIO 45417		
WALL SECTIONS & DETAILS		
Comm. No.	21608.00	Date
Drawn	A.H.F.	Drawing No.
Checked	E.G.S.	1.A505
		Date 09/09/2022 Drawing No. 1.A505
JOHN CHARLES FABELO 071178 09/11/19 09/23/2022 LICENSE ARC 9711789, EXPIRES: 12/31/23 © 2022 LWC INCORPORATED		



1	BID & PERMIT SET	09/09/2022
2	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

LWC
 INCORPORATED
 434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546

Homefull
 HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OHIO 45417

FIRST FLOOR INTERIOR ELEVATIONS

Comm. No.	21608.00	Date	09/09/2022
Drawn	A.H.F.	Checked	E.G.S.
Drawing No.		1.A604	
© 2022 LWC INCORPORATED			



LEGEND

- SC-3
- GFT-1
- GFT-2
- VET-1
- SC-1
- SC-2
- L CORNER GUARD
EXTEND FROM BASE
TO T-2 ABOVE FLOOR.
SEE SPECS

- GENERAL NOTES**
- A. GENERAL
 - 1. REFER TO INTERIOR FINISH SCHEDULE FOR FINISH INFORMATION.
 - 2. REFER TO INTERIOR ELEVATIONS FOR FURTHER FINISH PLACEMENT AND INFORMATION.
 - 3. COORDINATE ALL FINISH CONCERNS IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
 - 4. CONTRACTOR SHALL PROVIDE MATERIAL SAMPLES FOR ALL SPECIFIED FINISHES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL CONCEALED BLOCKING AND LOCATION.
 - 5. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED EQUIPMENT AND MECHANICAL INSTALLATIONS TO AVOID CONFLICTS.
 - B. CEILING
 - 1. ALL ACoustICAL CEILING TO BE FINISH CODE ACT-1 UNLESS OTHERWISE NOTED. SEE RCF FOR FURTHER INFORMATION.
 - 2. ALL NEW GAB SOFFITS SHALL BE FINISHED TO A LEVEL 5 FINISH.
 - C. FLOORING
 - 1. GENERAL
 - a. FLOORING CONTRACTOR SHALL SUBMIT TO ARCHITECT SHOP DRAWINGS AND/OR MATERIAL SAMPLES INDICATING LAYOUT, PATTERN, COLOR AND SEAM LOCATIONS FOR ALL SPECIFIED FLOOR FINISHES PRIOR TO ORDERING MATERIALS, AND PRIOR TO INSTALLATION.
 - b. REFER TO FLOOR FINISH PLAN FOR PATTERN LAYOUT AND DIMENSIONS.
 - c. PERFORM FLOORING MOISTURE TESTS RECOMMENDED BY EACH MFG AND PROCEED WITH INSTALLATION OF FLOORING ONLY AFTER SUBSTRATE PASS TESTING.
 - d. PREPARE ALL SUBSTRATES ACCORDINGLY TO ITS FINISH MFG'S RECOMMENDATIONS.
 - 2. TRANSITIONS
 - a. CONTRACTOR TO INSTALL APPROPRIATE TRANSITION STRIP TYPES BETWEEN MATERIALS AS REQUIRED.
 - b. FLOAT/FEATHER MATERIALS AS NEEDED TO CREATE A LEVEL AND EVEN SURFACE AT ALL TRANSITIONS.
 - 3. CARPET
 - a. CARPET SHALL BE INSTALLED PER MFG'S RECOMMENDATIONS AND/OR CURRENT CRI GUIDELINES.
 - b. CARPET SHALL BE Laid IN THE INSTALLATION PATTERN (I.E. MONOLITHIC BRICK PATTERN, RANDOM, ETC.) AS SPECIFIED ON THE INTERIOR FINISH SCHEDULE WITH THE PATTERN MATCHED TO MAINTAIN UNIFORMITY OF CARPET DIRECTION AND LAY OF FILE.
 - c. FLOORING SEAMS SHALL BE KEPT TO A MINIMUM POSITION IN INCONSPICUOUS AREAS IN COMPLIANCE WITH CRI 104 (CARPET I RUG INSTITUTE INSTALLATION METHODS) AND MFG'S RECOMMENDATIONS FOR SEAM LOCATIONS AND DIRECTION OF CARPET FLOORING. SEAMS SHALL RUN THE LENGTH OF THE AREA RATHER THAN ACROSS A MAIN TRAFFIC PATTERN WHENEVER POSSIBLE; SEAMS SHALL NOT BE PERPENDICULAR TO DOORWAY OPENINGS.
 - d. CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET OR VET OR TILE TO CARPET.
 - e. CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET, VET OR TILE TO CARPET.
 - 4. RESILIENT SHEET
 - a. ALL RESILIENT SHEET FLOORING SEAMS TO BE WELDED PER MFG'S RECOMMENDATIONS IN COLOR MATCHING FIELD RCP.
 - b. USE VINYL ENHANCED TILE ADHESIVE AS RECOMMENDED BY TARKETT TO MEET SITE CONDITIONS.
 - c. PREPARE SUBSTRATE ACCORDING TO JOHNSONITE WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF VINYL ENHANCED TILE.
 - D. BASE
 - 1. BASE TO BE INSTALLED PER MFG'S INSTRUCTION MITER ALL CORNERS IN FIELD PER MFG'S INSTALLATION GUIDE USING APPROPRIATE TOOLS.
 - 2. PROVIDE CLEAR SEALANT BETWEEN BASE AND HARD SURFACE FLOOR FINISH.
 - E. WALL PROTECTION
 - 1. PROVIDE CORNER GUARDS ON ALL OUTSIDE CORNERS AS INDICATED; SEE INTERIOR FINISH SCHEDULE FOR INFORMATION.
 - 2. COORDINATE ANY REQUIRED BLOCKING WITH ARCHITECTURAL FRAMING PLANS AND DETAILS.
 - F. WALL COVERING
 - 1. CONTRACTOR TO SUBMIT WALL COVERING SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 - 2. WALL COVERING TO BE INSTALLED PER MFG'S RECOMMENDED INSTALLATION PROCEDURES AND ADHESIVES.
 - 3. CONTRACTOR TO REAR OUTSIDE CORNERS OF WALLCOVERING AND NOT ALLOW AN EXPOSED RAW OUTSIDE EDGE.
 - 4. ALL EXCESSIVE ADHESIVE SHALL PROMPTLY BE REMOVED FROM THE WALLCOVERING.
 - 5. ALL WALLCOVERING WITH REPEATS SHALL BE MATCHED FOR SEAMLESS PATTERN FINISH.
 - G. PAINT
 - 1. ALL WALLS TO BE PAINTED FINISH CODE P-1 UNLESS NOTED OTHERWISE.
 - 2. ALL DOOR FRAMES TO BE PAINTED FINISH CODE P-2 UNLESS OTHERWISE NOTED.
 - 3. CONTRACTOR TO SUBMIT PAINT DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
 - 4. APPLY TWO COATS OF FINAL FINISH PRODUCT.
 - 5. FURNISH CERTIFICATION BY THE PAINT MFG THAT PRODUCTS SUPPLIED COMPLY WITH LOCAL REGULATIONS CONTROLLING THE USE OF VOLATILE ORGANIC COMPOUNDS (VOC'S).
 - 6. EXPOSED STRUCTURE TO BE PAINTED WITH DRY FALL, FLAT PAINT IN ENTRY (STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, PIPING, AND OTHER SIMILAR ITEMS).
 - H. PLASTIC LAMINATE
 - 1. WOODGRAIN DIRECTION OF PLASTIC LAMINATE TO BE VERTICAL ON FACE OF CABINETS, HORIZONTAL ON COUNTERTOPS AND SHELF EDGE BANDS UNLESS OTHERWISE NOTED.
 - 2. ALL SOLID SURFACE SEAMS TO BE HARD SEAM (NO SEAMS SHOWING).
 - 3. USE MFG'S RECOMMENDED MAXIMUM WIDTHS LENGTHS TO MINIMIZE NUMBER OF SEAMS IN SOLID SURFACE.
 - 4. SOLID SURFACE SIDE BACKPLASHES TO BE INTEGRAL COVERED WITH HARD SEAMS (NO SET ON SIDES, BACKPLASHES, ETC.).
 - 5. SOLID SURFACE TO HAVE BULLNOSE EDGE DETAIL, UNLESS OTHERWISE NOTED.
 - I. TILE
 - 1. CONTRACTOR TO SUBMIT ALL TILE SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 - 2. TILE TO BE INSTALLED PER MFG'S RECOMMENDATIONS AND CURRENT TOA GUIDELINES.
 - 3. TILES SHALL NEED TRANSITION FROM CONCRETE FLOOR TO FLOOR TILE.
 - 4. RESIN PANEL
 - a. REVIEW INTERIOR ELEVATIONS FOR APPLICATION OF RESIN PANELS. PANEL JOINTS TO BE ALIGNED AND UNIFORMLY COATED. USE A MINIMUM AMOUNT OF SOLVENT TO PREVENT POOLING.
 - b. USE MAXIMUM SHEET WIDTHS OF RESIN PANELS TO MINIMIZE SEAMS. PANELS TO BE BUTT-JOINTED TIGHTLY TOGETHER FOLLOW MFG'S INSTRUCTIONS FOR LAMINATING, FABRICATING AND INSTALLING PANELS.
 - c. RESIN PANELS TO BE SELF-EDGING. ANY EXPOSED EDGES TO BE SANDED TO A SMOOTH, EVEN FINISH.
 - J. PLASTIC LAMINATE
 - 1. ALL PLASTIC LAMINATE TO BE FINISH CODE PL-1 UNLESS OTHERWISE NOTED.

1 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

1	BID & PERMIT SET	09/09/2022
	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OHIO 45417

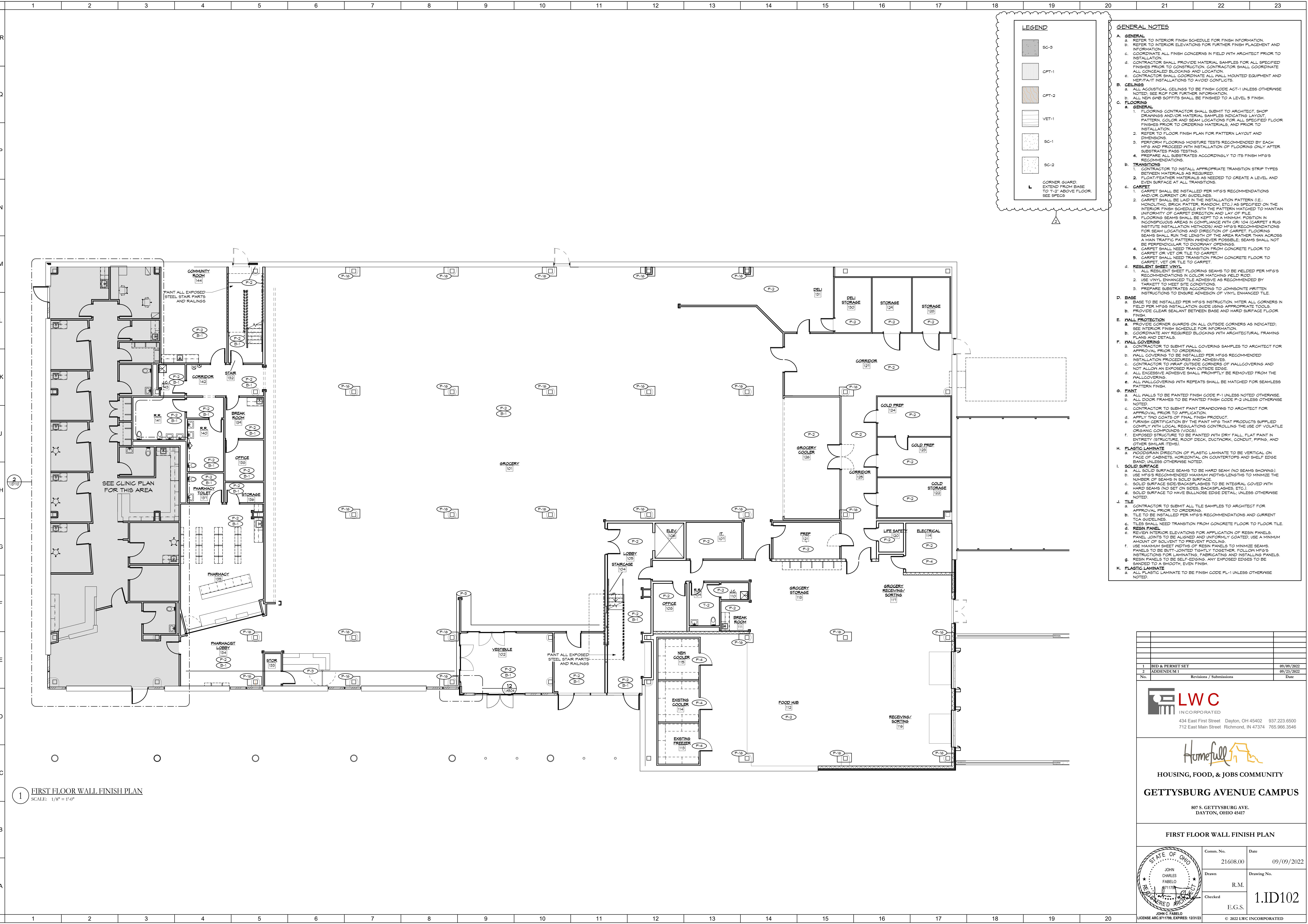
FIRST FLOOR FLOOR FINISH PLAN

Comm. No.	Date
21608.00	09/09/2022
Drawn	Drawing No.
P.A.	1.ID101
Checked	E.G.S.

STATE OF OHIO
JOHN CHARLES FABELO
Professional Engineer
No. 71179
Exp. 12/31/2025
JOHN C. FABELO
LICENSE ARC 9711799, EXPIRES 12/31/25
© 2022 LWC INCORPORATED

9/2/2022 3:16:56 PM

C:\Revit\2020\Housing\Food & Jobs (HF-J) Community -ARCH-R20_R\Masouli\FB\TA.rvt



LEGEND

- SC-3
- GFT-1
- GFT-2
- VET-1
- SC-1
- SC-2
- CORNER GUARD
EXTEND FROM BASE
TO T-2 ABOVE FLOOR.
SEE SPECS

- GENERAL NOTES**
- A. GENERAL
 1. REFER TO INTERIOR FINISH SCHEDULE FOR FINISH INFORMATION.
 2. REFER TO INTERIOR ELEVATIONS FOR FURTHER FINISH PLACEMENT AND INFORMATION.
 3. COORDINATE ALL FINISH CONCERNS IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
 4. CONTRACTOR SHALL PROVIDE MATERIAL SAMPLES FOR ALL SPECIFIED FINISHES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL CONCEALED BLOCKING AND LOCATION.
 5. CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED EQUIPMENT AND MECHANICAL INSTALLATIONS TO AVOID CONFLICTS.
 - B. CEILING
 1. ALL ACoustICAL CEILING TO BE FINISH CODE ACT-1 UNLESS OTHERWISE NOTED. SEE RCF FOR FURTHER INFORMATION.
 2. ALL NEW GNB SOFFITS SHALL BE FINISHED TO A LEVEL 5 FINISH.
 - C. FLOORING
 1. GENERAL
 1. FLOORING CONTRACTOR SHALL SUBMIT TO ARCHITECT, SHOP DRAWINGS AND/OR MATERIAL SAMPLES INDICATING LAYOUT, PATTERN, COLOR AND SEAM LOCATIONS FOR ALL SPECIFIED FLOOR FINISHES PRIOR TO ORDERING MATERIALS, AND PRIOR TO INSTALLATION.
 2. REFER TO FLOOR FINISH PLAN FOR PATTERN LAYOUT AND DIMENSIONS.
 3. PERFORM FLOORING MOISTURE TESTS RECOMMENDED BY EACH MFG AND PROCEED WITH INSTALLATION OF FLOORING ONLY AFTER SUBSTRATE PASS TESTING.
 4. PREPARE ALL SUBSTRATES ACCORDINGLY TO ITS FINISH MFG'S RECOMMENDATIONS.
 2. TRANSITIONS
 1. CONTRACTOR TO INSTALL APPROPRIATE TRANSITION STRIP TYPES BETWEEN MATERIALS AS REQUIRED.
 2. FLOAT/FEATHER MATERIALS AS NEEDED TO CREATE A LEVEL AND EVEN SURFACE AT ALL TRANSITIONS.
 3. CARPET
 1. CARPET SHALL BE INSTALLED PER MFG'S RECOMMENDATIONS AND/OR CURRENT CRI GUIDELINES.
 2. CARPET SHALL BE Laid IN THE INSTALLATION PATTERN (I.E. MONOLITHIC BRICK PATTERN, RANDOM, ETC.) AS SPECIFIED ON THE INTERIOR FINISH SCHEDULE WITH THE PATTERN MATCHED TO MAINTAIN UNIFORMITY OF CARPET DIRECTION AND LAY OF FILE.
 3. FLOORING SEAMS SHALL BE KEPT TO A MINIMUM POSITION IN INCONSPICUOUS AREAS IN COMPLIANCE WITH CRI 104 (CARPET I RUG INSTITUTE INSTALLATION METHODS) AND MFG'S RECOMMENDATIONS FOR SEAM LOCATIONS AND DIRECTION OF CARPET FLOORING. SEAMS SHALL RUN THE LENGTH OF THE AREA RATHER THAN ACROSS A MAIN TRAFFIC PATTERN WHENEVER POSSIBLE; SEAMS SHALL NOT BE PERPENDICULAR TO DOORWAY OPENINGS.
 4. CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET OR VET OR TILE TO CARPET.
 5. CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET, VET OR TILE TO CARPET.
 - D. RESILIENT SHEET
 1. ALL RESILIENT SHEET FLOORING SEAMS TO BE WELDED PER MFG'S RECOMMENDATIONS IN COLOR MATCHING FIELD RCF.
 2. USE VINYL ENHANCED TILE ADHESIVE AS RECOMMENDED BY TARKETT TO MEET SITE CONDITIONS.
 3. PREPARE SUBSTRATE ACCORDING TO JOHNSONITE WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF VINYL ENHANCED TILE.
 - E. BASE
 1. BASE TO BE INSTALLED PER MFG'S INSTRUCTION MITER ALL CORNERS IN FIELD PER MFG'S INSTALLATION GUIDE USING APPROPRIATE TOOLS.
 2. PROVIDE CLEAR SEALANT BETWEEN BASE AND HARD SURFACE FLOOR FINISH.
 - F. WALL PROTECTION
 1. PROVIDE CORNER GUARDS ON ALL OUTSIDE CORNERS AS INDICATED; SEE INTERIOR FINISH SCHEDULE FOR INFORMATION.
 2. COORDINATE ANY REQUIRED BLOCKING WITH ARCHITECTURAL FRAMING PLANS AND DETAILS.
 - G. WALL COVERING
 1. CONTRACTOR TO SUBMIT WALL COVERING SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 2. WALL COVERING TO BE INSTALLED PER MFG'S RECOMMENDED INSTALLATION PROCEDURES AND ADHESIVES.
 3. CONTRACTOR TO REAR OUTSIDE CORNERS OF WALLCOVERING AND NOT ALLOW AN EXPOSED RAW OUTSIDE EDGE.
 4. ALL EXCESSIVE ADHESIVE SHALL PROMPTLY BE REMOVED FROM ALL WALLCOVERING.
 5. ALL WALLCOVERING WITH REPEATS SHALL BE MATCHED FOR SEAMLESS PATTERN FINISH.
 - H. PAINT
 1. ALL WALLS TO BE PAINTED FINISH CODE P-1 UNLESS NOTED OTHERWISE.
 2. ALL DOOR FRAMES TO BE PAINTED FINISH CODE P-2 UNLESS OTHERWISE NOTED.
 3. CONTRACTOR TO SUBMIT PAINT DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
 4. APPLY TWO COATS OF FINAL FINISH PRODUCT.
 5. FURNISH CERTIFICATION BY THE PAINT MFG THAT PRODUCTS SUPPLIED COMPLY WITH LOCAL REGULATIONS CONTROLLING THE USE OF VOLATILE ORGANIC COMPOUNDS (VOC'S).
 6. EXPOSED STRUCTURE TO BE PAINTED WITH DRY FALL, FLAT PAINT IN ENTIRETY (STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, PIPING, AND OTHER SIMILAR ITEMS).
 - I. PLASTIC LAMINATE
 1. WOODGRAIN DIRECTION OF PLASTIC LAMINATE TO BE VERTICAL ON FACE OF CABINETS, HORIZONTAL ON COUNTERTOPS AND SHELF EDGE BANDS UNLESS OTHERWISE NOTED.
 2. ALL SOLID SURFACE SEAMS TO BE HARD SEAM (NO SEAMS SHOWING).
 3. USE MFG'S RECOMMENDED MAXIMUM WIDTHS TO MINIMIZE THE NUMBER OF SEAMS IN SOLID SURFACE.
 4. SOLID SURFACE SIDE BACKPLASHES TO BE INTEGRAL COVERED WITH HARD SEAMS (NO SET ON SIDES, BACKPLASHES, ETC.).
 5. SOLID SURFACE TO HAVE BULLNOSE EDGE DETAIL, UNLESS OTHERWISE NOTED.
 - J. TILE
 1. CONTRACTOR TO SUBMIT ALL TILE SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 2. TILE TO BE INSTALLED PER MFG'S RECOMMENDATIONS AND CURRENT TOA GUIDELINES.
 3. TILES SHALL NEED TRANSITION FROM CONCRETE FLOOR TO FLOOR TILE.
 - K. RESIN PANEL
 1. REVIEW INTERIOR ELEVATIONS FOR APPLICATION OF RESIN PANELS. PANEL JOINTS TO BE ALIGNED AND UNIFORMLY COATED. USE A MINIMUM AMOUNT OF PUTTY TO PREVENT POOLING.
 2. USE MAXIMUM SHEET WIDTHS OF RESIN PANELS TO MINIMIZE SEAMS. PANELS TO BE BUTT JOINTED TIGHTLY TOGETHER. FOLLOW MFG'S INSTRUCTIONS FOR LAMINATING, FABRICATING AND INSTALLING PANELS.
 3. RESIN PANELS TO BE SELF-EDGING. ANY EXPOSED EDGES TO BE SANDED TO A SMOOTH, EVEN FINISH.
 - L. PLASTIC LAMINATE
 1. ALL PLASTIC LAMINATE TO BE FINISH CODE PL-1 UNLESS OTHERWISE NOTED.

1 FIRST FLOOR WALL FINISH PLAN
SCALE: 1/8" = 1'-0"

1	BID & PERMIT SET	09/09/2022
	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OHIO 45417

FIRST FLOOR WALL FINISH PLAN

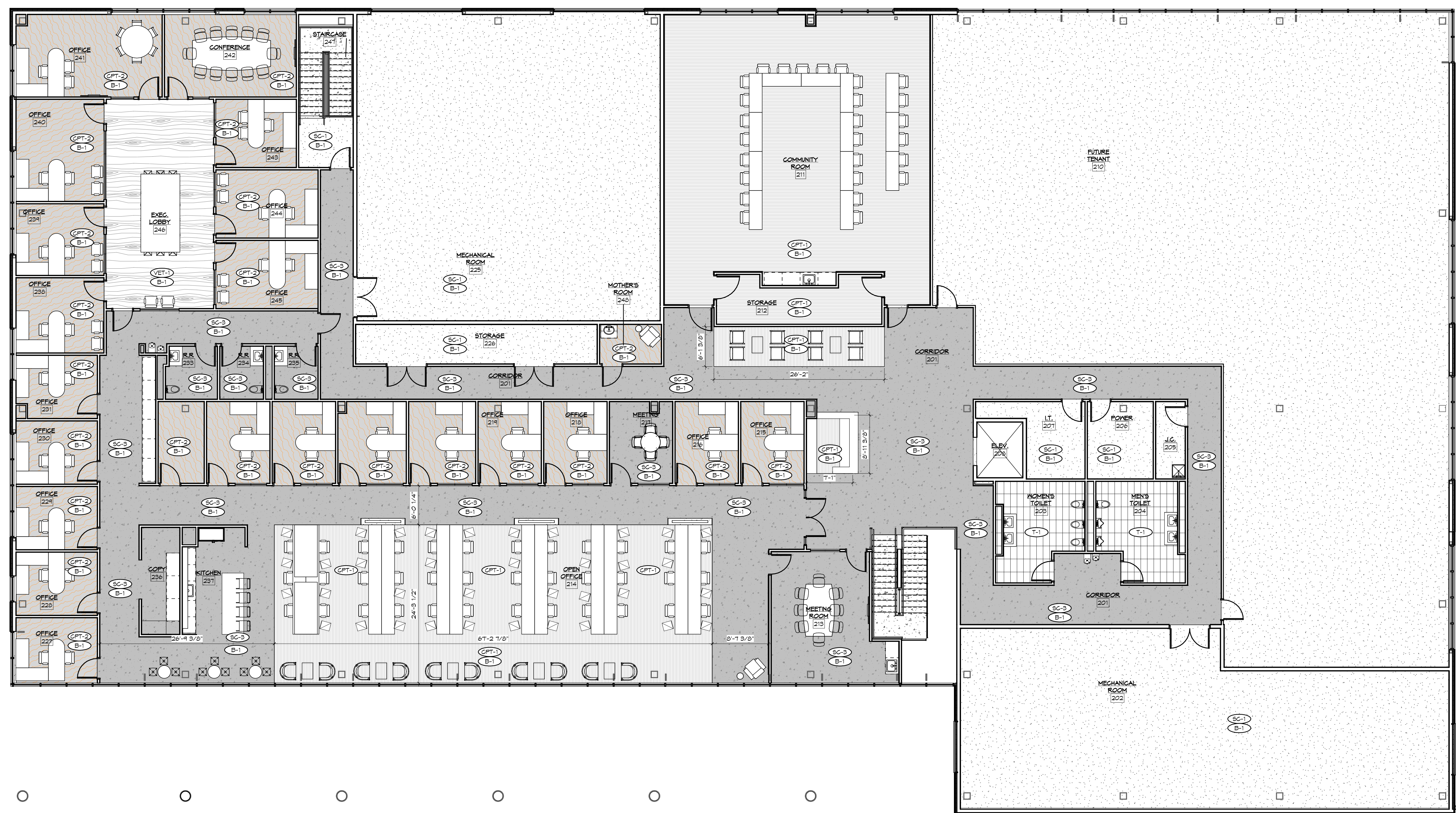
Comm. No.	21608.00	Date	09/09/2022
Drawn	R.M.	Checked	E.G.S.
Drawing No.	1.ID102		

STATE OF OHIO
JOHN CHARLES FABELO
#11179
REGISTERED ARCHITECT
JOHN C. FABELO
LICENSE ARC 9711799, EXPIRES: 12/31/23

© 2022 LWC INCORPORATED

9/2/2022 3:18:05 PM

C:\Revit\2020\Housing\Food & Jobs (HFJ) Community -ARCH-R20_RM\asoulr\BTV\A.rvt



LEGEND

- SC-3
- CPT-1
- CPT-2
- VET-1
- SC-1
- SC-2
- L CORNER GUARD
EXTEND FROM BASE
TO 2'-2" ABOVE FLOOR.
SEE SPECS

- GENERAL NOTES**
- A. GENERAL**
- REFER TO INTERIOR FINISH SCHEDULE FOR FINISH INFORMATION.
 - REFER TO INTERIOR ELEVATIONS FOR FURTHER FINISH PLACEMENT AND INFORMATION.
 - COORDINATE ALL FINISH CONCERNS IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL PROVIDE MATERIAL SAMPLES FOR ALL SPECIFIED FINISHES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL CONCEALED BLOCKING AND LOCATION.
 - CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED EQUIPMENT AND MECHANICAL INSTALLATIONS TO AVOID CONFLICTS.
- B. CEILING**
- ALL ACoustICAL CEILING TO BE FINISH CODE ACT-1 UNLESS OTHERWISE NOTED. SEE RCF FOR FURTHER INFORMATION.
 - ALL NEW GYM SOFFITS SHALL BE FINISHED TO A LEVEL 5 FINISH.
- C. FLOORING**
- 1. GENERAL**
- FLOORING CONTRACTOR SHALL SUBMIT TO ARCHITECT, SHOP DRAWINGS AND/OR MATERIAL SAMPLES INDICATING LAYOUT, PATTERN, COLOR AND SEAM LOCATIONS FOR ALL SPECIFIED FLOOR FINISHES PRIOR TO ORDERING MATERIALS, AND PRIOR TO INSTALLATION.
 - REFER TO FLOOR FINISH PLAN FOR PATTERN LAYOUT AND DIMENSIONS.
 - PERFORM FLOORING MOISTURE TESTS RECOMMENDED BY EACH MFG AND PROCEED WITH INSTALLATION OF FLOORING ONLY AFTER SUBSTRATE PASS TESTING.
 - PREPARE ALL SUBSTRATES ACCORDINGLY TO ITS FINISH MFG'S RECOMMENDATIONS.
- 2. TRANSITIONS**
- CONTRACTOR TO INSTALL APPROPRIATE TRANSITION STRIP TYPES BETWEEN MATERIALS AS REQUIRED.
 - FLOAT/FEATHER MATERIALS AS NEEDED TO CREATE A LEVEL AND EVEN SURFACE AT ALL TRANSITIONS.
- 3. CARPET**
- CARPET SHALL BE INSTALLED PER MFG'S RECOMMENDATIONS AND/OR CURRENT CRI GUIDELINES.
 - CARPET SHALL BE Laid IN THE INSTALLATION PATTERN (I.E. MONOLITHIC BRICK PATTERN, RANDOM, ETC.) AS SPECIFIED ON THE INTERIOR FINISH SCHEDULE WITH THE PATTERN HATCHED TO MAINTAIN UNIFORMITY OF CARPET DIRECTION AND LAY OF FILE.
 - FLOORING SEAMS SHALL BE KEPT TO A MINIMUM POSITION IN INCONSPICUOUS AREAS IN COMPLIANCE WITH CRI 104 (CARPET I RIG INSTITUTE INSTALLATION METHODS) AND MFG'S RECOMMENDATIONS FOR SEAM LOCATIONS AND DIRECTION OF CARPET FLOORING. SEAMS SHALL RUN THE LENGTH OF THE AREA RATHER THAN ACROSS A MAIN TRAFFIC PATTERN WHENEVER POSSIBLE. SEAMS SHALL NOT BE PERPENDICULAR TO DOORWAY OPENINGS.
 - CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET OR VET OR TILE TO CARPET.
 - CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET, VET OR TILE TO CARPET.
- 4. RESILIENT SHEET**
- ALL RESILIENT SHEET FLOORING SEAMS TO BE WELDED PER MFG'S RECOMMENDATIONS IN COLOR MATCHING FIELD RCF.
 - USE VINYL ENHANCED TILE ADHESIVE AS RECOMMENDED BY TARKETT TO MEET SITE CONDITIONS.
 - PREPARE SUBSTRATES ACCORDING TO JOHNSONITE WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF VINYL ENHANCED TILE.
- D. BASE**
- BASE TO BE INSTALLED PER MFG'S INSTRUCTION MITER ALL CORNERS IN FIELD PER MFG'S INSTALLATION GUIDE USING APPROPRIATE TOOLS.
 - PROVIDE CLEAR SEALANT BETWEEN BASE AND HARD SURFACE FLOOR FINISH.
- E. WALL PROTECTION**
- PROVIDE CORNER GUARDS ON ALL OUTSIDE CORNERS AS INDICATED. SEE INTERIOR FINISH SCHEDULE FOR INFORMATION.
 - COORDINATE ANY REQUIRED BLOCKING WITH ARCHITECTURAL FRAMING PLANS AND DETAILS.
- F. WALL COVERING**
- CONTRACTOR TO SUBMIT WALL COVERING SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 - WALL COVERING TO BE INSTALLED PER MFG'S RECOMMENDED INSTALLATION PROCEDURES AND ADHESIVES.
 - CONTRACTOR TO REAR OUTSIDE CORNERS OF WALLCOVERING AND NOT ALLOW AN EXPOSED RAW OUTSIDE EDGE.
 - ALL EXCESSIVE ADHESIVE SHALL PROMPTLY BE REMOVED FROM THE WALLCOVERING.
 - ALL WALLCOVERING WITH REPEATS SHALL BE MATCHED FOR SEAMLESS PATTERN FINISH.
- G. PAINT**
- ALL WALLS TO BE PAINTED FINISH CODE P-1 UNLESS NOTED OTHERWISE.
 - ALL DOOR FRAMES TO BE PAINTED FINISH CODE P-2 UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO SUBMIT PAINT DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
 - APPLY TWO COATS OF FINAL FINISH PRODUCT.
 - FURNISH CERTIFICATION BY THE PAINT MFG THAT PRODUCTS SUPPLIED COMPLY WITH LOCAL REGULATIONS CONTROLLING THE USE OF VOLATILE ORGANIC COMPOUNDS (VOC'S).
 - EXPOSED STRUCTURE TO BE PAINTED WITH DRY FALL, FLAT PAINT IN ENTIRETY (STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, PIPING, AND OTHER SIMILAR ITEMS).
- H. PLASTIC LAMINATE**
- WOODGRAIN DIRECTION OF PLASTIC LAMINATE TO BE VERTICAL ON FACE OF CABINETS, HORIZONTAL ON COUNTERTOPS AND SHELF EDGE BANDS UNLESS OTHERWISE NOTED.
- I. SOLID SURFACE**
- ALL SOLID SURFACE SEAMS TO BE HARD SEAM (NO SEAMS SHOWING).
 - USE MFG'S RECOMMENDED MAXIMUM WIDTHS/LENGTHS TO MINIMIZE THE NUMBER OF SEAMS IN SOLID SURFACE.
 - SOLID SURFACE SIDE BACKSPASHES TO BE INTEGRAL COVERED WITH HARD SEAMS (NO SET ON SIDES, BACKSPASHES, ETC.).
 - SOLID SURFACE TO HAVE BULLNOSE EDGE DETAIL, UNLESS OTHERWISE NOTED.
- J. TILE**
- CONTRACTOR TO SUBMIT ALL TILE SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 - TILE TO BE INSTALLED PER MFG'S RECOMMENDATIONS AND CURRENT TGA GUIDELINES.
 - TILES SHALL NEED TRANSITION FROM CONCRETE FLOOR TO FLOOR TILE.
- 4. RESIN PANEL**
- REVIEW INTERIOR ELEVATIONS FOR APPLICATION OF RESIN PANELS. PANEL JOINTS TO BE ALIGNED AND UNIFORMLY COATED. USE A MINIMUM AMOUNT OF SOLANT TO PREVENT POOLING.
 - USE MAXIMUM SHEET WIDTHS OF RESIN PANELS TO MINIMIZE SEAMS. PANELS TO BE BUTT JOINTED TIGHTLY TOGETHER FOLLOWING MFG'S INSTRUCTIONS FOR LAMINATING, FABRICATING AND INSTALLING PANELS. RESIN PANELS TO BE SELF-EDGING. ANY EXPOSED EDGES TO BE SANDED TO A SMOOTH, EVEN FINISH.
- K. PLASTIC LAMINATE**
- ALL PLASTIC LAMINATE TO BE FINISH CODE PL-1 UNLESS OTHERWISE NOTED.

1 SECOND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

1	BID & PERMIT SET	09/09/2022
	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

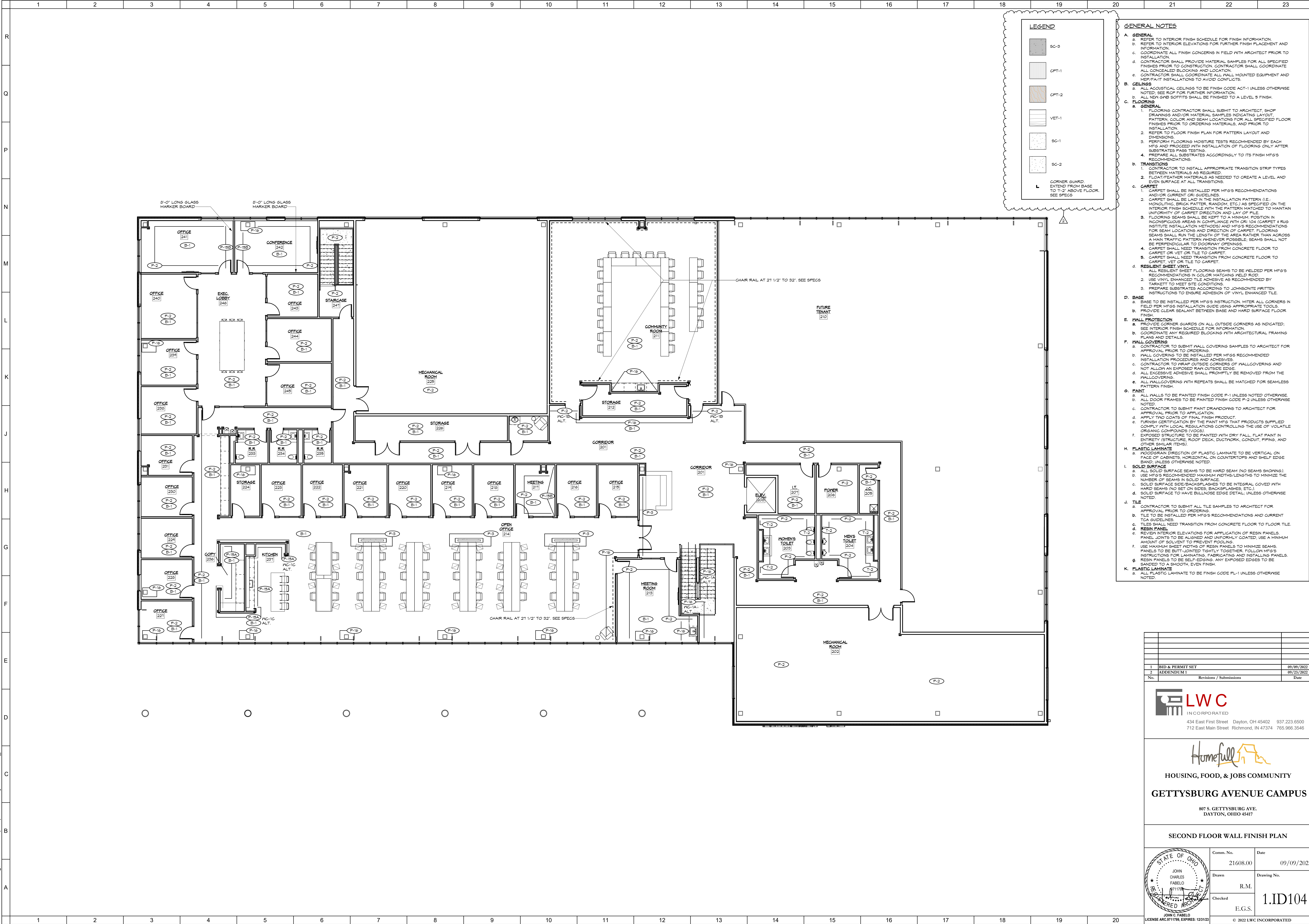
LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OHIO 45417

SECOND FLOOR FLOOR FINISH PLAN

	Comm. No.	Date
	21608.00	09/09/2022
JOHN CHARLES FABELO P.E. E.G.S.	Drawn	Drawing No.
	P.A.	1.ID103
	Checked	
	E.G.S.	

© 2022 LWC INCORPORATED



LEGEND

- SC-3
- GPT-1
- GPT-2
- VET-1
- SC-1
- SC-2
- CORNER GUARD
EXTEND FROM BASE
TO 2'-2" ABOVE FLOOR.
SEE SPECS

- GENERAL NOTES**
- A. GENERAL**
 - REFER TO INTERIOR FINISH SCHEDULE FOR FINISH INFORMATION.
 - REFER TO INTERIOR ELEVATIONS FOR FURTHER FINISH PLACEMENT AND INFORMATION.
 - COORDINATE ALL FINISH CONCERNS IN FIELD WITH ARCHITECT PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL PROVIDE MATERIAL SAMPLES FOR ALL SPECIFIED FINISHES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL CONCEALED BLOCKING AND LOCATION.
 - CONTRACTOR SHALL COORDINATE ALL WALL MOUNTED EQUIPMENT AND MECHANICAL INSTALLATIONS TO AVOID CONFLICTS.
 - B. CEILING**
 - ALL ACoustICAL CEILING TO BE FINISH CODE ACT-1 UNLESS OTHERWISE NOTED. SEE RCF FOR FURTHER INFORMATION.
 - ALL NEW GYM SOFFITS SHALL BE FINISHED TO A LEVEL 5 FINISH.
 - C. FLOORING**
 - GENERAL**
 - FLOORING CONTRACTOR SHALL SUBMIT TO ARCHITECT SHOP DRAWINGS AND/OR MATERIAL SAMPLES INDICATING LAYOUT, PATTERN, COLOR AND SEAM LOCATIONS FOR ALL SPECIFIED FLOOR FINISHES PRIOR TO ORDERING MATERIALS, AND PRIOR TO INSTALLATION.
 - REFER TO FLOOR FINISH PLAN FOR PATTERN LAYOUT AND DIMENSIONS.
 - PERFORM FLOORING MOISTURE TESTS RECOMMENDED BY EACH MFG AND PROCEED WITH INSTALLATION OF FLOORING ONLY AFTER SUBSTRATED PASS TESTING.
 - PREPARE ALL SUBSTRATES ACCORDINGLY TO ITS FINISH MFG'S RECOMMENDATIONS.
 - TRANSITIONS**
 - CONTRACTOR TO INSTALL APPROPRIATE TRANSITION STRIP TYPES BETWEEN MATERIALS AS REQUIRED.
 - FLOAT/FEATHER MATERIALS AS NEEDED TO CREATE A LEVEL AND EVEN SURFACE AT ALL TRANSITIONS.
 - CARPET**
 - CARPET SHALL BE INSTALLED PER MFG'S RECOMMENDATIONS AND/OR CURRENT CRI GUIDELINES.
 - CARPET SHALL BE Laid IN THE INSTALLATION PATTERN (I.E. MONOLITHIC, BRICK PATTERN, RANDOM, ETC.) AS SPECIFIED ON THE INTERIOR FINISH SCHEDULE WITH THE PATTERN MATCHED TO MAINTAIN UNIFORMITY OF CARPET DIRECTION AND LAY OF FILE.
 - FLOORING SEAMS SHALL BE KEPT TO A MINIMUM POSITION IN INCONSPICUOUS AREAS IN COMPLIANCE WITH CRI 104 (CARPET I RIG INSTITUTE INSTALLATION METHODS) AND MFG'S RECOMMENDATIONS FOR SEAM LOCATIONS AND DIRECTION OF CARPET FLOORING. SEAMS SHALL RUN THE LENGTH OF THE AREA RATHER THAN ACROSS A MAIN TRAFFIC PATTERN WHENEVER POSSIBLE; SEAMS SHALL NOT BE PERPENDICULAR TO DOORWAY OPENINGS.
 - CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET OR VET OR TILE TO CARPET.
 - CARPET SHALL NEED TRANSITION FROM CONCRETE FLOOR TO CARPET, VET OR TILE TO CARPET.
 - RESILIENT SHEET VINYL**
 - ALL RESILIENT SHEET FLOORING SEAMS TO BE WELDED PER MFG'S RECOMMENDATIONS IN COLOR MATCHING FIELD RCF.
 - USE VINYL ENHANCED TILE ADHESIVE AS RECOMMENDED BY TARKETT TO MEET SITE CONDITIONS.
 - PREPARE SUBSTRATE ACCORDING TO JOHNSONITE WRITTEN INSTRUCTIONS TO ENSURE ADHESION OF VINYL ENHANCED TILE.
 - D. BASE**
 - BASE TO BE INSTALLED PER MFG'S INSTRUCTION MITER ALL CORNERS IN FIELD PER MFG'S INSTALLATION GUIDE USING APPROPRIATE TOOLS.
 - PROVIDE CLEAR SEALANT BETWEEN BASE AND HARD SURFACE FLOOR FINISH.
 - E. WALL PROTECTION**
 - PROVIDE CORNER GUARDS ON ALL OUTSIDE CORNERS AS INDICATED; SEE INTERIOR FINISH SCHEDULE FOR INFORMATION.
 - COORDINATE ANY REQUIRED BLOCKING WITH ARCHITECTURAL FRAMING PLANS AND DETAILS.
 - F. WALL COVERING**
 - CONTRACTOR TO SUBMIT WALL COVERING SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 - WALL COVERING TO BE INSTALLED PER MFG'S RECOMMENDED INSTALLATION PROCEDURES AND ADHESIVES.
 - CONTRACTOR TO REAR OUTSIDE CORNERS OF WALLCOVERING AND NOT ALLOW AN EXPOSED RAW OUTSIDE EDGE.
 - ALL EXCESSIVE ADHESIVE SHALL PROMPTLY BE REMOVED FROM THE WALLCOVERING.
 - ALL WALLCOVERING WITH REPEATS SHALL BE MATCHED FOR SEAMLESS PATTERN FINISH.
 - G. PAINT**
 - ALL WALLS TO BE PAINTED FINISH CODE P-1 UNLESS NOTED OTHERWISE.
 - CONTRACTOR TO SUBMIT PAINT DRAWINGS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.
 - APPLY TWO COATS OF FINAL FINISH PRODUCT.
 - FURNISH CERTIFICATION BY THE PAINT MFG THAT PRODUCTS SUPPLIED COMPLY WITH LOCAL REGULATIONS CONTROLLING THE USE OF VOLATILE ORGANIC COMPOUNDS (VOC'S).
 - EXPOSED STRUCTURE TO BE PAINTED WITH DRY FALL, FLAT PAINT IN ENTIRETY (STRUCTURE, ROOF DECK, DUCTWORK, CONDUIT, PIPING, AND OTHER SIMILAR ITEMS).
 - H. PLASTIC LAMINATE**
 - WOODGRAIN DIRECTION OF PLASTIC LAMINATE TO BE VERTICAL ON FACE OF CABINETS, HORIZONTAL ON COUNTERTOPS AND SHELF EDGE BANDS UNLESS OTHERWISE NOTED.
 - ALL SOLID SURFACE SEAMS TO BE HARD SEAM (NO SEAMS SHOWING).
 - USE MFG'S RECOMMENDED MAXIMUM WIDTHS TO MINIMIZE THE NUMBER OF SEAMS IN SOLID SURFACE.
 - SOLID SURFACE SIDE BACKPLASHES TO BE INTEGRAL COVERED WITH HARD SEAMS (NO SET ON SIDES, BACKPLASHES, ETC.).
 - SOLID SURFACE TO HAVE BULLNOSE EDGE DETAIL, UNLESS OTHERWISE NOTED.
 - I. SOLID SURFACE**
 - CONTRACTOR TO SUBMIT ALL TILE SAMPLES TO ARCHITECT FOR APPROVAL PRIOR TO ORDERING.
 - TILE TO BE INSTALLED PER MFG'S RECOMMENDATIONS AND CURRENT TOA GUIDELINES.
 - TILES SHALL NEED TRANSITION FROM CONCRETE FLOOR TO FLOOR TILE.
 - J. TILE**
 - REVIEW INTERIOR ELEVATIONS FOR APPLICATION OF RESIN PANELS. PANEL JOINTS TO BE ALIGNED AND UNIFORMLY COATED. USE A MINIMUM AMOUNT OF SOLVENT TO PREVENT POOLING.
 - USE MAXIMUM SHEET WIDTHS OF RESIN PANELS TO MINIMIZE SEAMS. PANELS TO BE BUTT JOINTED TIGHTLY TOGETHER FOLLOWING MFG'S INSTRUCTIONS FOR LAMINATING, FABRICATING AND INSTALLING PANELS. RESIN PANELS TO BE SELF-SEALING. ANY EXPOSED EDGES TO BE SANDED TO A SMOOTH, EVEN FINISH.
 - K. PLASTIC LAMINATE**
 - ALL PLASTIC LAMINATE TO BE FINISH CODE P-1 UNLESS OTHERWISE NOTED.

1	BID & PERMIT SET	09/09/2022
2	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

LWC
INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OHIO 45417

SECOND FLOOR WALL FINISH PLAN

Comm. No.	21608.00	Date	09/09/2022
Drawn	R.M.	Checked	E.G.S.
Drawing No.	1.ID104		

STATE OF OHIO
JOHN CHARLES FABELO
011179
REGISTERED ARCHITECT
JOHN C. FABELO
LICENSE ARC 9711799, EXPIRES: 12/31/23

© 2022 LWC INCORPORATED

09/23/2022

Project Name: Homefull

Addendum 1

This Addendum is generally separated into sections for convenience; however, all contractors, subcontractors, material suppliers and other involved parties shall be responsible for reading the entire Addendum. Failure to list an item(s) in all affected sections of this Addendum does not relieve any party affected from performing per instructions, provided the information is set forth one time anywhere in the Addendum.

This document shall become attached to and part of the construction documents for the aforementioned project.

CLARIFICATIONS AND MODIFICATIONS TO THE PROJECT DOCUMENTS:

DRAWINGS

No major scope items were added, removed, or altered in this addendum. Drawings re-issued for minor note clean-up and scope clarity purposes only.

- | | |
|---------|--|
| ITEM 01 | 1.P001 – GENERAL INFO – PLUMBING <ul style="list-style-type: none">• Added temperature and pressure sensor to the plumbing symbol list.• Revised Plumbing General Note 21. |
| ITEM 02 | 1.P100 – UNDERGROUND PLAN – PLUMBING <ul style="list-style-type: none">• Added a sanitary drop and connected to the sanitary main. |
| ITEM 02 | 1.P101 – FIRST FLOOR PLAN – PLUMBING <ul style="list-style-type: none">• Revised vent piping around pharmacy bulkhead.• Revised wall hydrant near Community Room 144 to drop down outside of window view.• Revised sanitary piping.• Added temperature sensors.• Added manual balancing valve and keynote for the valve.• Removed storm piping. |
| ITEM 03 | 1.P102 – SECOND FLOOR PLAN – PLUMBING <ul style="list-style-type: none">• Added a floor cleanout in Mechanical Room 225.• Added temperature sensors.• Revised storm piping. |
| ITEM 04 | 1.P103 – ROOF PLAN – PLUMBING <ul style="list-style-type: none">• Added a vent penetration through the roof. |
| ITEM 05 | 1.P301 – ENLARGED PLANS – PLUMBING <ul style="list-style-type: none">• Rerouted vent piping in mechanical room. |

- Added temperature sensors.
 - Added pressure sensors.
- ITEM 06 1.P601 – DETAILS – PLUMBING
- Added temperature sensors to Detail 12.
 - Added thermometers to Detail 12.
- ITEM 07 1.P701 – SCHEDULES – PLUMBING
- Revised EWC1 to stainless steel finish. Model number Elkay EZSTLG8WSSK instead of Elkay EZSTL8WSLK.
 - Revised flow for RCP1.
 - Revised minimum flow for TMV1.
- ITEM 08 1.P801 – STACK DIAGRAMS SOUTH – PLUMBING
- Updated stack diagram to reflect changes to sanitary and vent piping.
- ITEM 09 1.P802 – STACK DIAGRAMS NORTH – PLUMBING
- Updated stack diagram to reflect changes to sanitary and vent piping.
- ITEM 10 1.E101 – FIRST FLOOR PLAN – LIGHTING
- Revised exit signs to be ceiling mounted in Staff Break 163 and Clinic Lobby 145.
 - Added additional type P2 fixtures and switching at Reception 157 and Nurse Station 149.
 - Revised Lighting layout in Staircase 104 and Staircase 132.
 - Revised South Track Lighting Layout.
 - Revised Note E11.
 - Added Note E13.
- ITEM 11 1.E102 – SECOND FLOOR PLAN – LIGHTING
- Removed undercabinet fixtures UC1 in Meeting Room 213 and Community Room 211.
 - Revised fixture layout in Mechanical Room 202 and Mechanical Room 225.
 - Revised fixture layout in Staircase 247.
 - Revised switching location in Office 241 and Conference 242.
 - Revised Note E7.
 - Revised Note E11.
- ITEM 12 1.E202 – SECOND FLOOR PLAN – POWER & SYSTEMS
- Added Note E30.
- ITEM 13 1.M101 – FIRST FLOOR PLAN – HVAC DUCTWORK
- Revised diffusers serving Deli 131.
 - Offset supply duct serving Grocery 101 due to lighting conflict.
 - Revised linear supply diffusers in areas with ceiling conflicts.
 - Added cooling only terminal box serving Storage 154 and added keynote 16.
- ITEM 14 1.M102 – SECOND FLOOR PLAN – HVAC DUCTWORK – BASE BID
- Ducted return grilles in executive office area with full height walls.
 - Minor relocation of linear supply diffusers in south offices due to structural conflict.

- Revised linear supply diffusers in Community Room 211.
- Revised linear supply diffusers in Meeting Room 213.

- ITEM 15 1.M201 – FIRST FLOOR PLAN – HVAC PIPING
- Added cooling only terminal box to plan.
- ITEM 16 1.M202 – SECOND FLOOR PLAN – HVAC PIPING – BASE BID
- Minor relocation of TB2 above Office 244 due to structural conflict.
- ITEM 17 1.M301 – HVAC ENLARGED PLANS
- Corrected OA duct to AHU4.
- ITEM 18 1.M701 – HVAC SCHEDULES
- TERMINAL BOX SCHEDULE – Added cooling only TB0.
 - AIR DEVICE SCHEDULE – Revised S5 to 2 slot diffuser and added S7 perforated diffuser.
 - Corrected printing issue with project schedule notes.
- ITEM 19 1.M702 – HVAC SCHEDULES
- Corrected printing issue with project schedule notes.

PLUMBING ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
ABBREVIATION	DESCRIPTION
(A)	ABANDON IN PLACE
(D)	EXISTING TO BE DEMOLISHED
(E)	EXISTING TO REMAIN
(F)	FUTURE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AMB	AMBIENT
AVTR	ACID VENT THROUGH ROOF
BFP	BACK FLOW PREVENTER
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
BV	BALANCE VALVE
CFH	CUBIC FEET PER HOUR
CI	CAST IRON
CL	CENTERLINE
DN	DOWN
DSN	DOWN SPOUT NOZZLE
DWV	DRAIN WASTE VENT
EFF	EFFICIENCY
EL	ELEVATION
FFE	FINISHED FLOOR ELEVATION
FLA	FULL LOAD AMPS
FJ	FIXTURE UNIT
GAL	GALLON
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
KW	KILOWATT
LF	LINEAR FEET
MAV	MANUAL AIR VENT
MBH	THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MCF	THOUSAND CUBIC FEET
MH	MANHOLE
MOC	MAXIMUM OVER CURRENT PROTECTION
MOU	MEMORANDUM OF UNDERSTANDING
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
PD	PRESSURE DROP
PDI	PLUMBING AND DRAINAGE INSTITUTE
PPM	PARTS PER MILLION
PRV	PRESSURE REGULATING VALVE
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
SCFM	STANDARD CUBIC FEET PER MINUTE
SF	SQUARE FEET
SS	STAINLESS STEEL
TDH	TOTAL DYNAMIC HEAD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VTR	VENT THROUGH ROOF
W	WATTS
WG	WATER GAUGE
WM	WATER METER
WPD	WATER PRESSURE DROP

PLUMBING STANDARD SYSTEM ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
ABBREVIATION	DESCRIPTION
A	COMPRESSED AIR (SHOP AIR)
AC	AIR COMPRESSOR
CD	CONDENSATE DRAIN
D	DRAIN
DCW	DOMESTIC COLD WATER
DCWR	DOMESTIC COLD WATER RETURN
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
DS	DOWN SPOUT
FO	FUEL OIL OVERFLOW
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
GN	NATURAL GAS
ID	INDIRECT DRAIN
LP	LIQUID PROPANE
NPW	NON POTABLE WATER
PD	PUMP DISCHARGE
PW	POTABLE WATER
RO	REVERSE OSMOSIS
ROCR	REVERSE OSMOSIS RETURN
ROS	REVERSE OSMOSIS SUPPLY
SAN	SANITARY SEWER
SCW	SOFTENED COLD WATER
SCWR	SOFTENED COLD WATER RETURN
SST	SECONDARY STORM
ST	STORM
TW	TEPID WATER
TWR	TEPID WATER RETURN
TWS	TEPID WATER SUPPLY
V	VENT
VAC	VACUUM
W	WATER

PLUMBING EQUIPMENT ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS MAY BE USED.	
ABBREVIATION	DESCRIPTION
AAV	AUTOMATIC AIR VENT
AC	AIR COMPRESSOR
AD	AREA DRAIN
AG	ABOVE GROUND STORAGE TANK
BAC	BREATHING AIR COMPRESSOR
BT	BATH TUB
CO	CLEANOUT
CRD	COMBINATION ROOF DRAIN
CS	CLINICAL SINK
DAC	DENTAL AIR COMPRESSOR
DF	DRINKING FOUNTAIN
DVP	DENTAL VACUUM PUMP
DW	DISH WASHER
EEV	EMERGENCY EYE WASH
ESH	EMERGENCY SHOWER
ESP	ELEVATOR SUMP PUMP
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FOP	FUEL OIL PUMP
FPFB	FREEZE PROOF HOSE BIBB
FPWH	FREEZE PROOF WATER HYDRANT
FS	FLOOR SINK
GCO	GRADE CLEANOUT
GI	GREASE INTERCEPTOR
GWH	GAS WATER HEATER
HB	HOSE BIBB
HD	HUB DRAIN
HS	HAND SINK
L	LAVATORY
LAC	LABORATORY AIR COMPRESSOR
LI	LINT INTERCEPTOR
LVP	LABORATORY VACUUM PUMP
MAC	MEDICAL AIR COMPRESSOR
MB	MOP BASIN
MVP	MEDICAL VACUUM PUMP
NT	NEUTRALIZATION TANK
OFD	OVERFLOW DRAIN
OI	OIL INTERCEPTOR
P	PUMP
RCP	RECIRCULATING PUMP
RD	ROOF DRAIN
RH	ROOF HYDRANT
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
S	SINK
SB	SUPPLY BOX
SE	SEWAGE EJECTOR
SH	SHOWER
SI	SAND INTERCEPTOR
SP	SUMP PUMP
SS	SERVICE SINK
SWH	STEAM WATER HEATER
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
UR	URINAL
UST	UNDERGROUND STORAGE TANK
VB	VACUUM BREAKER
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WMB	WASHING MACHINE BOX
YH	YARD HYDRANT

PLUMBING SYMBOLS LIST	
NOTE: NOT ALL SYMBOLS MAY BE USED.	
SYMBOL	DESCRIPTION
(1)	KEYNOTE (SEE LEGEND ON SHEET)
△	REVISION TAG
→	FLOW ARROW
—○—	CONNECT TO EXISTING
—○—	END OF DEMOLITION
—○—	PIPE CAPPED
—○—	PIPE DOWN
—○—	PIPE UP
—○—	PIPE TEE DOWN
—○—	PIPE REDUCER
—○—	PIPE UNION
—○—	PIPE GUIDES OR SLEEVES
—○—	PIPE ANCHOR
XXX	FLEXIBLE PIPE CONNECTION
∞	GENERAL SERVICE VALVE (SEE SPECIFICATIONS FOR VALVE TYPE PER APPLICATION)
∞	CHECK VALVE (ARROW INDICATES DIRECTION OF FLOW)
∞	MANUAL BALANCING VALVE
∞	AUTOMATIC BALANCING VALVE
∞	SOLENOID VALVE
∞	TWO-WAY CONTROL VALVE
∞	THREE-WAY CONTROL VALVE
∞	TWO-WAY PRESSURE INDEPENDENT CONTROL AND BALANCE VALVE
∞	THERMOSTATIC MIXING VALVE
∞	PRESSURE REDUCING VALVE
∞	VACUUM BREAKER
∞	PLUG VALVE
∞	SUPERVISED VALVE
∞	TEMPERATURE AND PRESSURE RELIEF VALVE
∞	DRAIN VALVE WITH THREADED HOSE CONNECTION
∞	REDUCED PRESSURE BACKFLOW PREVENTER
∞	PRESSURE GAUGE WITH STOPCOCK
∞	STRAINER WITH BLOW DOWN VALVE
∞	AUTOMATIC AIR VENT
∞	MANUAL AIR VENT
∞	TEMPERATURE/PRESSURE TEST PLUG (PETE'S PLUG)
∞	WATER FLOW SWITCH
∞	TEMPERATURE SENSOR
∞	PRESSURE SENSOR
∞	PRESSURE SWITCH
∞	CLEAN OUT
∞	WALL CLEAN OUT
∞	FLOOR CLEAN OUT
∞	GRADE CLEAN OUT
∞	AREA DRAIN
∞	FLOOR DRAIN
∞	OVERFLOW ROOF DRAIN
∞	ROOF DRAIN
∞	HOSE BIBB
∞	WALL HYDRANT
∞	YARD HYDRANT
∞	FLOW METER
∞	THERMOMETER
∞	PITCH DOWN IN DIRECTION OF ARROW
∞	METER
∞	RISER OR STACK DESIGNATION & NUMBER
∞	HOT WATER MAINTENANCE CABLE START POINT
∞	HOT WATER MAINTENANCE CABLE TEE POINT
∞	HOT WATER MAINTENANCE CABLE END POINT

PLUMBING SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1.P001	GENERAL INFO - PLUMBING
1.P100	UNDERGROUND PLAN - PLUMBING
1.P101	FIRST FLOOR PLAN - PLUMBING
1.P102	SECOND FLOOR PLAN - PLUMBING
1.P103	ROOF PLAN - PLUMBING
1.P301	ENLARGED PLANS - PLUMBING
1.P601	DETAILS - PLUMBING
1.P701	SCHEDULES - PLUMBING
1.P801	STACK DIAGRAMS SOUTH - PLUMBING
1.P802	STACK DIAGRAMS NORTH - PLUMBING

- ### PLUMBING GENERAL NOTES
- COORDINATE THE EXACT REQUIREMENTS AND LOCATION OF WORK WITH THE WORK OF OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION. PROVIDE ADDITIONAL OFFSETS AND SECTIONS IN PIPING REQUIRED TO MEET THE APPLICABLE JOB CONDITION REQUIREMENTS. VERIFY JOB SITE ELEVATIONS, DIMENSIONS, AND CONDITIONS PRIOR TO FABRICATION OR INSTALLATION OF THE WORK. COORDINATE EXACT ROUTING OF PIPING WITH OTHER TRADES SO THAT NO CONFLICTS OCCUR WITH DUCTWORK, PIPING, LIGHTS, STRUCTURE, ETC. PROVIDE ALL PERTINENT DATA CONCERNING THE LOCATION, DIMENSIONS, ETC., OF THE EQUIPMENT THAT REQUIRES BASES, CURBS AND SUPPORTS TO THE APPROPRIATE TRADES. WORK NOT APPROPRIATELY COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
 - ALL FLOOR PENETRATIONS TO BE SEALED WATER TIGHT AND COMPLETELY PACKED WITH SEALANT OR FIRE STOP MATERIAL, WHERE APPLICABLE BY TRADE CONTRACTORS.
 - PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE SYSTEMS AS STATED, IMPLIED OR INTENDED IN THE DRAWINGS AND SPECIFICATIONS. INCLUDE IN THE BID AS PART OF THE CONTRACT, ALL NECESSARY AND APPLICABLE SUPPLIES, MATERIALS, AND APPURTENANCES, WHETHER INDICATED OR NOT. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION AND FINAL DETERMINATION PRIOR TO THE BID.
 - INSTALL ALL WORK TO COMPLY WITH ALL LAWS, REGULATIONS, CODES AND STANDARDS (FEDERAL, STATE, AND LOCAL), AS ADOPTED BY THE AGENCIES HAVING JURISDICTION, INCLUDING REASONABLY ANTICIPATED REVISIONS BASED ON EMERGING TRENDS IN BUILDING REGULATIONS, WHERE ANY OF THESE DIFFER, THE MOST STRINGENT SHALL APPLY.
 - COORDINATE THE LOCATION OF ALL UTILITY CONNECTION POINTS, FLOOR DRAINS AND HUB DRAINS FOR EQUIPMENT WITH OTHER TRADES.
 - PROVIDE A LINE SIZED SHUT-OFF VALVE IN ALL HOT AND COLD WATER BRANCHES SERVING PLUMBING FIXTURES OR EQUIPMENT.
 - ALL INDICATED PIPING PENETRATIONS THRU COUNTERTOPS BY PLUMBING CONTRACTOR. PROVIDE CHROME PLATED ESCUTCHEON.
 - PROVIDE A WATER HAMMER ARRESTOR ON HOT AND COLD WATER LINES AT ENDS OF MAINS, AT ENDS OF BRANCH LINES, AT END OF LINES SERVING GROUPS OF PLUMBING FIXTURES AND FOR ALL QUICK CLOSING VALVES. SIZE AND INSTALL ARRESTORS AS RECOMMENDED BY PD W/WH-201 TO ELIMINATE WATER HAMMER. INSTALL WHERE ACCESSIBLE FOR SERVICE AND PROVIDE ISOLATION VALVE AND ACCESS DOOR IF REQUIRED.
 - THE CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AT ALL PLUMBING RELATED PENETRATIONS OF FIRE, SMOKE AND OTHER RATED STRUCTURES, INCLUDING FLOORS, WALLS, PARTITIONS, ETC. REFER TO ARCHITECTURAL DOCUMENTATION FOR LOCATIONS OF ALL RATED STRUCTURES, AND SPECIFIC INFORMATION AND REQUIREMENTS PERTAINING TO SAME.
 - LAYOUT AND INSTALLATION OF PIPING, EQUIPMENT AND APPURTENANCES INDICATED ON PLAN IS SCHEMATIC IN NATURE. EXACT LOCATION, ROUTING, AND INSTALLATION TO BE COORDINATED WITH BUILDING STRUCTURES AND ALL OTHER TRADES.
 - UNLESS INDICATED OTHERWISE, ALL FIXTURES AND EQUIPMENT PROVIDED WITH PLUMBING SUPPLY PIPING TO BE FURNISHED WITH APPROVED/LISTED STOPS IN ACCESSIBLE LOCATIONS.
 - UNLESS INDICATED OTHERWISE BY THE ARCHITECTURAL DOCUMENTATION (WHICH SHALL TAKE PRECEDENCE), PLUMBING FIXTURES AND EQUIPMENT MOUNTING HEIGHTS SHALL BE AS INDICATED ON PLUMBING SCHEDULES.
 - PLUMBING PIPING IS NOT PERMITTED TO RUN ABOVE ANY ELECTRICAL SWITCH GEAR, MOTOR CONTROL CENTERS OR PANELS (INCLUDING ACCESS CLEARANCE SPACES), UNLESS ANY CIRCUMSTANCES. LOCATION OF NEW ITEMS OF THESE TYPES TO BE DETERMINED AND CONFIRMED FROM INDICATION BY THE PROJECT ELECTRICAL DOCUMENTATION, AND ACTUAL INSTALLATION CONFIRMED WITH THE ELECTRICAL CONTRACTOR PRIOR TO START OF WORK.
 - THE MINIMUM SIZES OF SANITARY, VENT AND WATER BRANCH PIPING TO SINGLE FIXTURES SHALL BE AS SCHEDULED IN THE PLUMBING FIXTURE SCHEDULE.
 - CONTRACTOR TO PROVIDE MISCELLANEOUS STEEL AS REQUIRED TO SUPPORT EQUIPMENT AND ASSOCIATED COMPONENTS SUCH AS CONTROL PANELS, TANKS, VALVES, PIPING, VARIABLE SPEED DRIVES, ETC. MISCELLANEOUS STEEL TO CONSIST OF GALVANIZED STRUT, ANGLE IRON, CHANNELS OR OTHER STANDARD GALVANIZED STEEL ELEMENTS. ALL WELDED CONNECTIONS TO BE GROUND AND COLD GALVANIZED IN THE FIELD.
 - PROVIDE BACKFLOW PREVENTER OR VACUUM BREAKER IN DOMESTIC WATER LINES, WHERE BACKFLOW OR BACK PRESSURE MAY OCCUR, AS REQUIRED BY THE STATE OR LOCAL JURISDICTION. EQUIPMENT SUCH AS STERILIZERS, COFFEE MAKERS, WASHERS/DISINFECTORS, ULTRASONIC CLEANERS, CARBONATED VENDING MACHINES, ICE MAKERS, SHOWER MIXING VALVES WITH HOSES, HVAC EQUIPMENT, HOSE BIBBS AND WALL HYDRANTS ARE TO INCLUDE BACKFLOW PREVENTION DEVICES IN THE WATER LINES THAT SERVE THEM.
 - ALL SANITARY VENT LINES ARE TO TAKE OFF FROM SANITARY WASTE BRANCHES AT A MINIMUM OF 45 DEGREE RISE OFF TOP OF PIPE.
 - PROVIDE SHUT-OFF BALL VALVE IN WATER LINES SERVING TRAP PRIMER DISTRIBUTION UNITS, BALANCING VALVES AND WATER HAMMER ARRESTORS.
 - VALVES OR ANY PLUMBING ITEM REQUIRING ACCESS SHALL BE PROVIDED WITH AN APPROPRIATELY SIZED ACCESS DOOR TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED IN AN UNREASONABLE DISTANCE AWAY FROM OPENING. ACCESS DOOR SHALL BE PROVIDED AT NO ADDITIONAL CHARGE TO OTHER TRADES. ACCESS DOORS SHALL NOT BE PLACED IN THE CLINIC AREA.
 - WHERE CEILING ARE INDICATED, ALL PIPES SHALL BE RAN ABOVE CEILING. IN EXPOSED CONDITIONS, INSTALL PIPING TIGHT TO THE BOTTOM OF STRUCTURE.
 - CONTRACTOR'S RESPONSIBILITY FOR ALL UTILTY CONNECTION FEES OR OTHER COSTS THAT AN UTILITY MAY REQUIRE TO COMPLETE THE WORK. (SEE SPECIFICATIONS SECTION 16.01)
 - ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
 - DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
 - WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER. ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
 - WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.
 - PIPE HANGER SUPPORTS SHALL BE HUNG DIRECTLY FROM STRUCTURE, NOT FROM STEEL DECK OR WORK FROM OTHER TRADES.
 - FLOOR DRAINS SHALL NOT BE PLACED IN THE CLINIC AREA.
 - WALL CLEANOUTS SHALL NOT BE PLACED IN THE CLINIC HALLWAYS OR PATIENT ROOMS.

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

434 East First Street Dayton, OH 45402 937.223.6500	712 East Main Street Richmond, IN 47374 765.966.3546
1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500	

HOUSING, FOOD, & JOBS COMMUNITY

GETTYSBURG AVENUE CAMPUS

807 S. GETTYSBURG AVE.
DAYTON, OH 45417

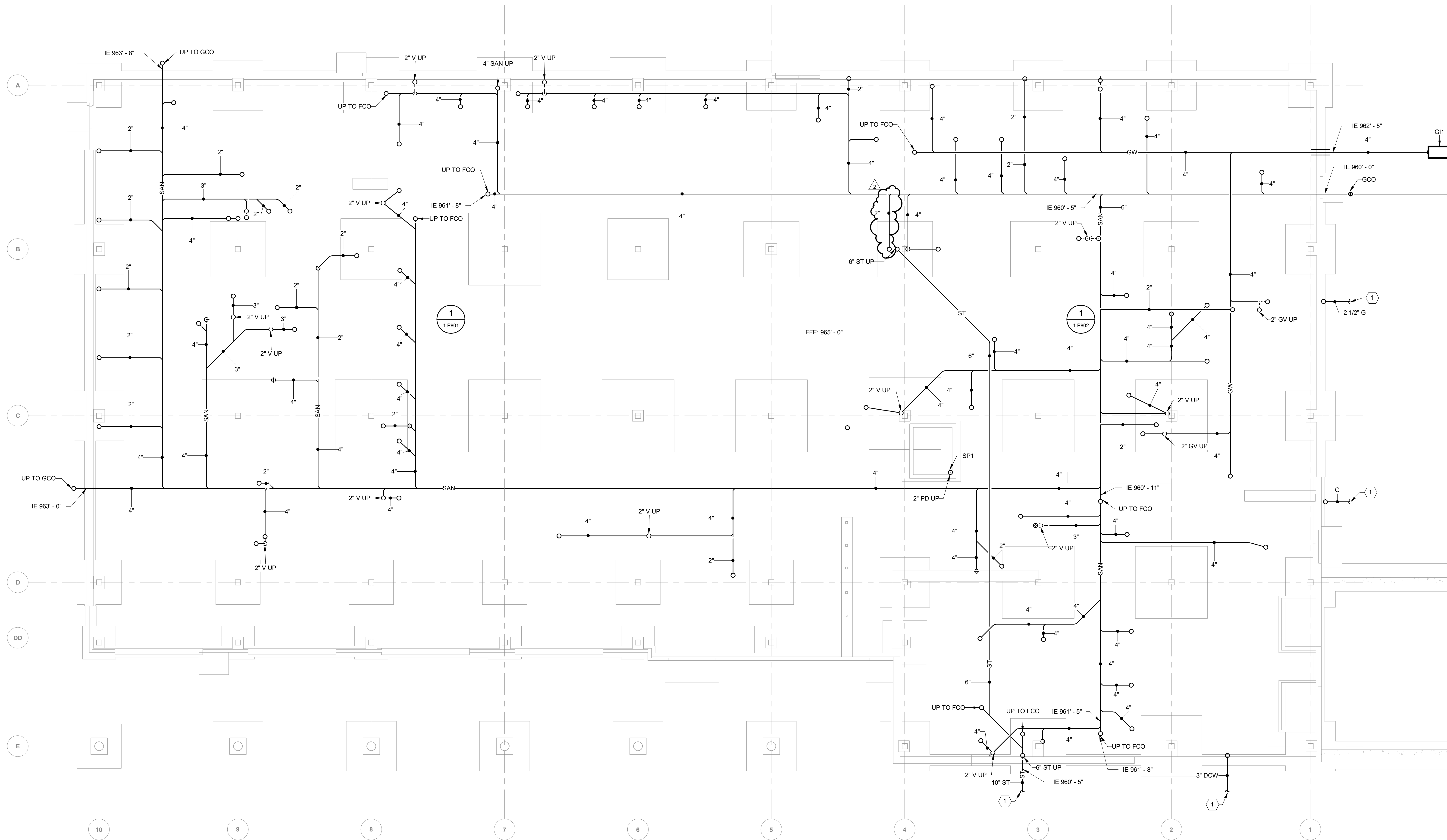
GENERAL INFO - PLUMBING			
Comm. No.	Date		
21608.00	09/09/2022		
Drawn	Checked	Drawing No.	
TCF	MAN	1.P001	



9/22/2022 12:47:26 PM

KEYNOTES

1 REFER TO SITE PLANS FOR CONTINUATION.



1 UNDERGROUND PLAN - PLUMBING
 SCALE: 1/8" = 1'-0"
 0 2' 4' 8' 16' 24' 32' 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

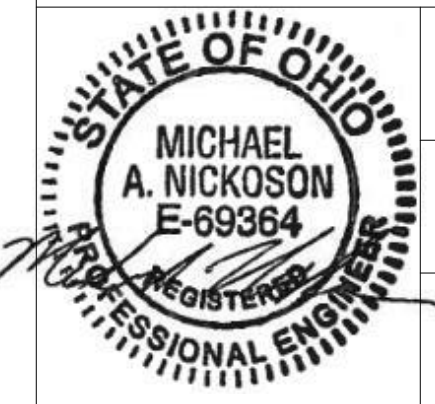
LWC INCORPORATED
 434 East First Street
 Dayton, OH 45402
 937.223.6500

CMTA
 A LWC Company
 712 East Main Street
 Richmond, IN 47374
 765.966.3546

1650 Lake Shore Drive, Suite 380
 Columbus, OH 43204
 614.992.1500

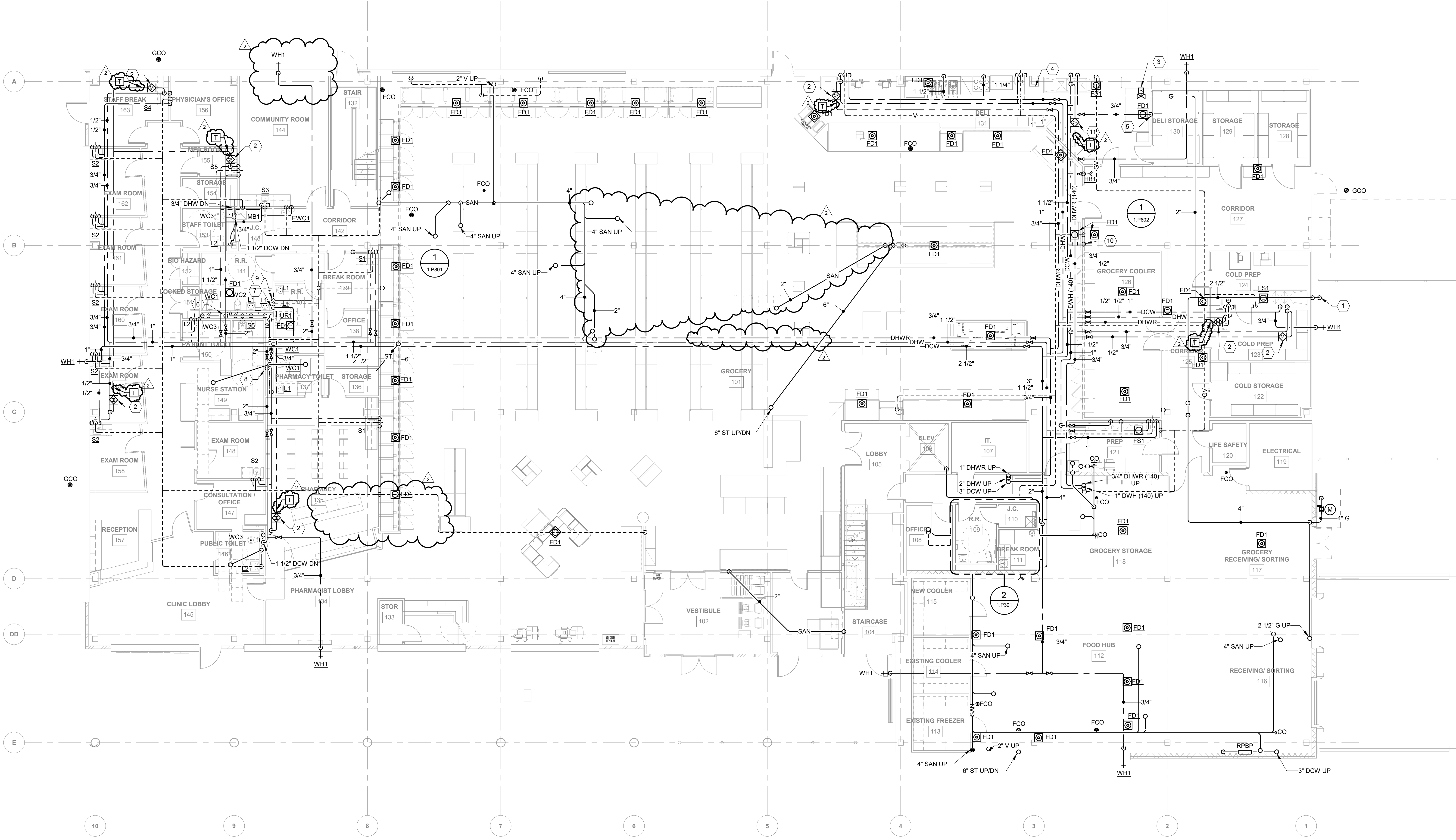
Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

UNDERGROUND PLAN - PLUMBING	
Comm. No. 21608.00	Date 09/09/2022
Drawn TCF	Drawing No. 1.P100
Checked MAN	



9/22/2022 12:47:38 PM
C:\Users\B.Schroeder\Documents\OHFM21_PLUMBING_R20_bschroeder\FN8.rvt

- ### KEYNOTES
- 2-1/2" NATURAL GAS PIPE PENETRATES EXTERIOR WALL AT 18" AFG AND THEN CONTINUES UNDER GROUND.
 - SET BALANCE VALVE TO 0.5 GPM.
 - PROVIDE AN AUTOMATIC GAS SHUT-OFF VALVE ACTIVATED BY A WALL MOUNTED PUSH BUTTON.
 - PROVIDED A PUSH BUTTON FOR EMERGENCY NATURAL GAS SHUT-OFF. PUSH BUTTON TO BE LOCATED 4 FEET ABOVE FINISHED FLOOR. PROVIDE WIRING FROM PUSH BUTTON TO SOLENOID VALVE.
 - PROVIDE WATER TO MINI RACK AND HOLDING CABINET.
 - 2" DCW DOWN IN CHASE TO SERVE WATER CLOSETS, SINK, AND LAVATORIES.
 - 1" DHW DOWN IN CHASE TO SERVE LAVATORIES AND SINK.
 - 2" DCW DOWN IN CHASE TO SERVE WATER CLOSETS AND LAVATORY.
 - 1-1/2" DCW DOWN IN CHASE TO SERVE LAVATORY AND URINAL.
 - 3/4" DCW TO ICE MACHINE.
 - SET BALANCE VALVE TO 1.0 GPM.



1 FIRST FLOOR PLAN - PLUMBING
 SCALE: 1/8" = 1'-0"
 0 2 4 8 16 24 32 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA** A LWC Company
 434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546
 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

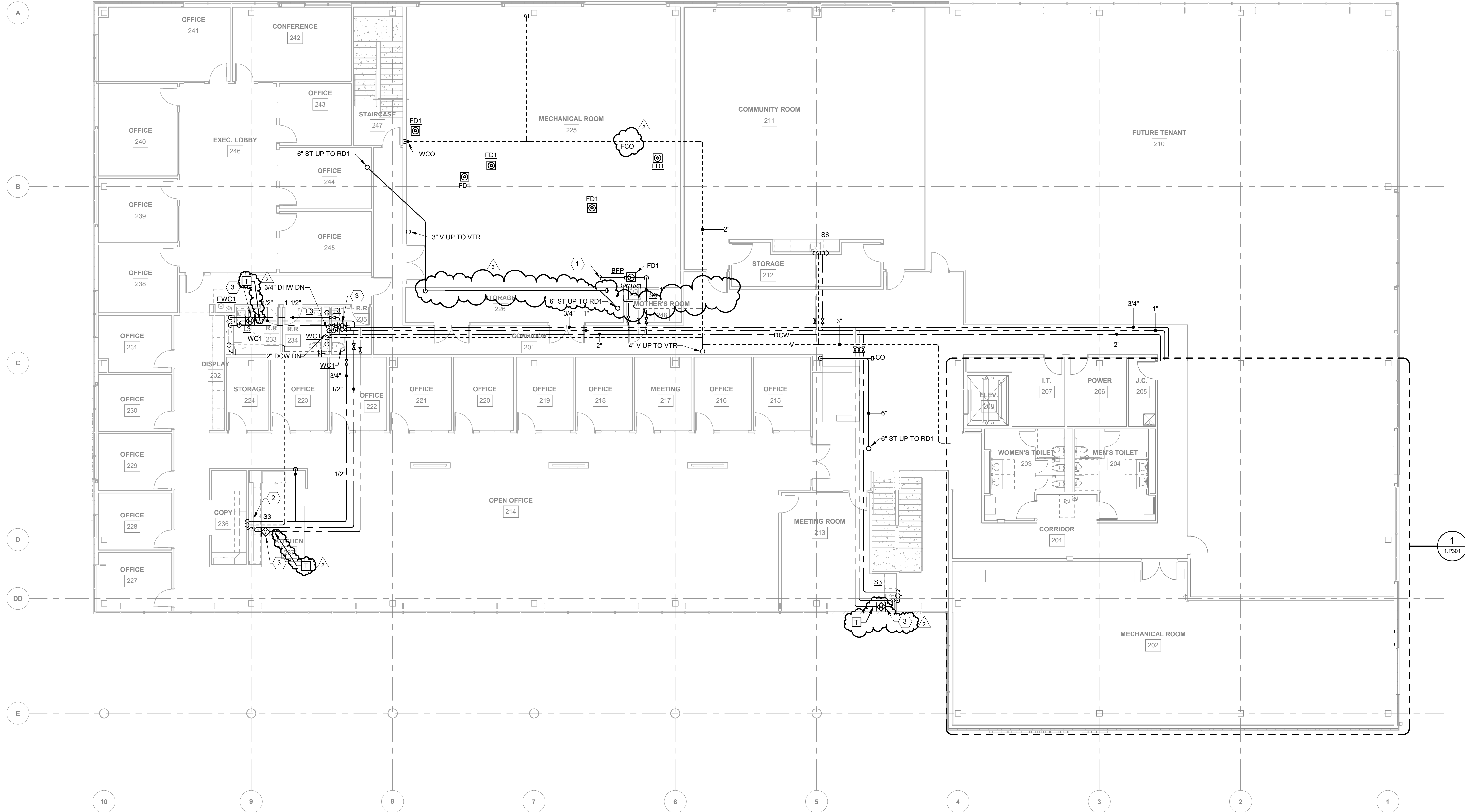
Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

FIRST FLOOR PLAN - PLUMBING	
Comm. No. 21608.00	Date 09/09/2022
Drawn MICHAEL A. NICKOSON E-69364	Drawing No. TCF
Checked MAN	1.P101
© 2021 LWC, INCORPORATED	

9/22/2022 12:47:47 PM
C:\Users\B Schroeder\Documents\OHFM21_PLUMBING_R20_bschroederZFN8.rvt

KEYNOTES

- 1 SEE MECHANICAL PLANS FOR CONTINUATION OF DOMESTIC COLD WATER.
- 2 PROVIDE BADGER 5XP, 3/4 HP, GARBAGE DISPOSAL UNDER SINK WITH MANUFACTURER CORD AND PLUG.
- 3 SET BALANCE VALVE TO 0.5 GPM.



1 SECOND FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA**
A LWC Company
434 East First Street Dayton, OH 45402
712 East Main Street Richmond, IN 47374
1650 Lake Shore Drive, Suite 380 Columbus, OH 43204
937.223.6500 765.966.3546 614.992.1500

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OH 45417

SECOND FLOOR PLAN - PLUMBING	
Comm. No. 21608.00	Date 09/09/2022
Drawn TCF	Drawing No. 1.P102
Checked MAN	

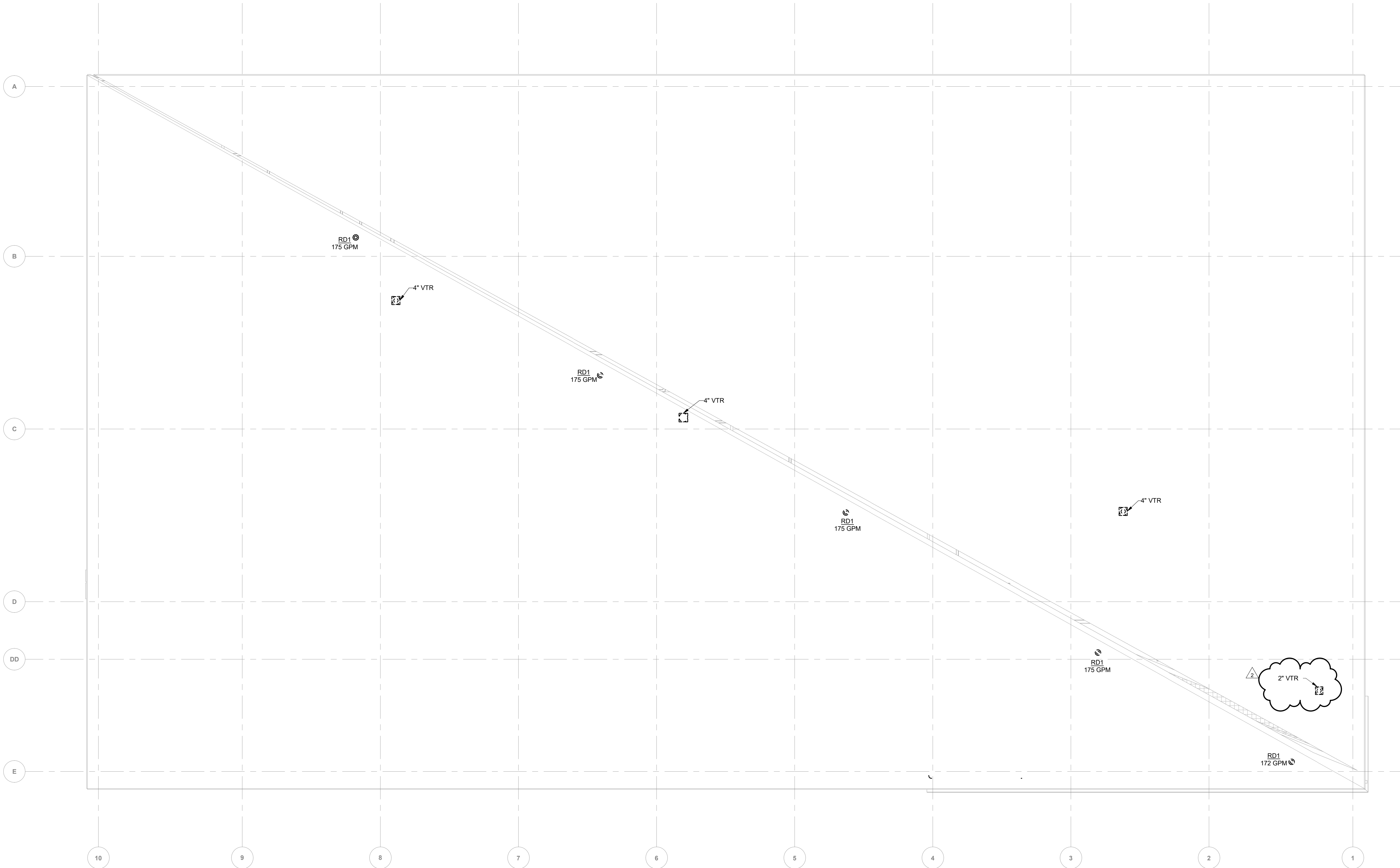


9/22/2022 12:47:49 PM

C:\Users\B Schroeder\Documents\OHFM21_PLUMBING_R20_bschroederZFN8.rvt

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

R
Q
P
N
M
L
K
J
H
G
F
E
D
C
B
A



1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED
 434 East First Street
 Dayton, OH 45402
 937.223.6500

CMTA
 A LWC Company
 712 East Main Street
 Richmond, IN 47374
 765.966.3546

1650 Lake Shore Drive, Suite 380
 Columbus, OH 43204
 614.992.1500

Homefull
 HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

ROOF PLAN - PLUMBING

Comm. No.	Date
21608.00	09/09/2022
Drawn	Drawing No.
TCF	1.P103
Checked	MAN

© 2021 LWC, INCORPORATED

1 ROOF PLAN - PLUMBING
 SCALE: 1/8" = 1'-0"
 0 2' 4' 8' 16' 24' 32' 1/8" = 1'-0"

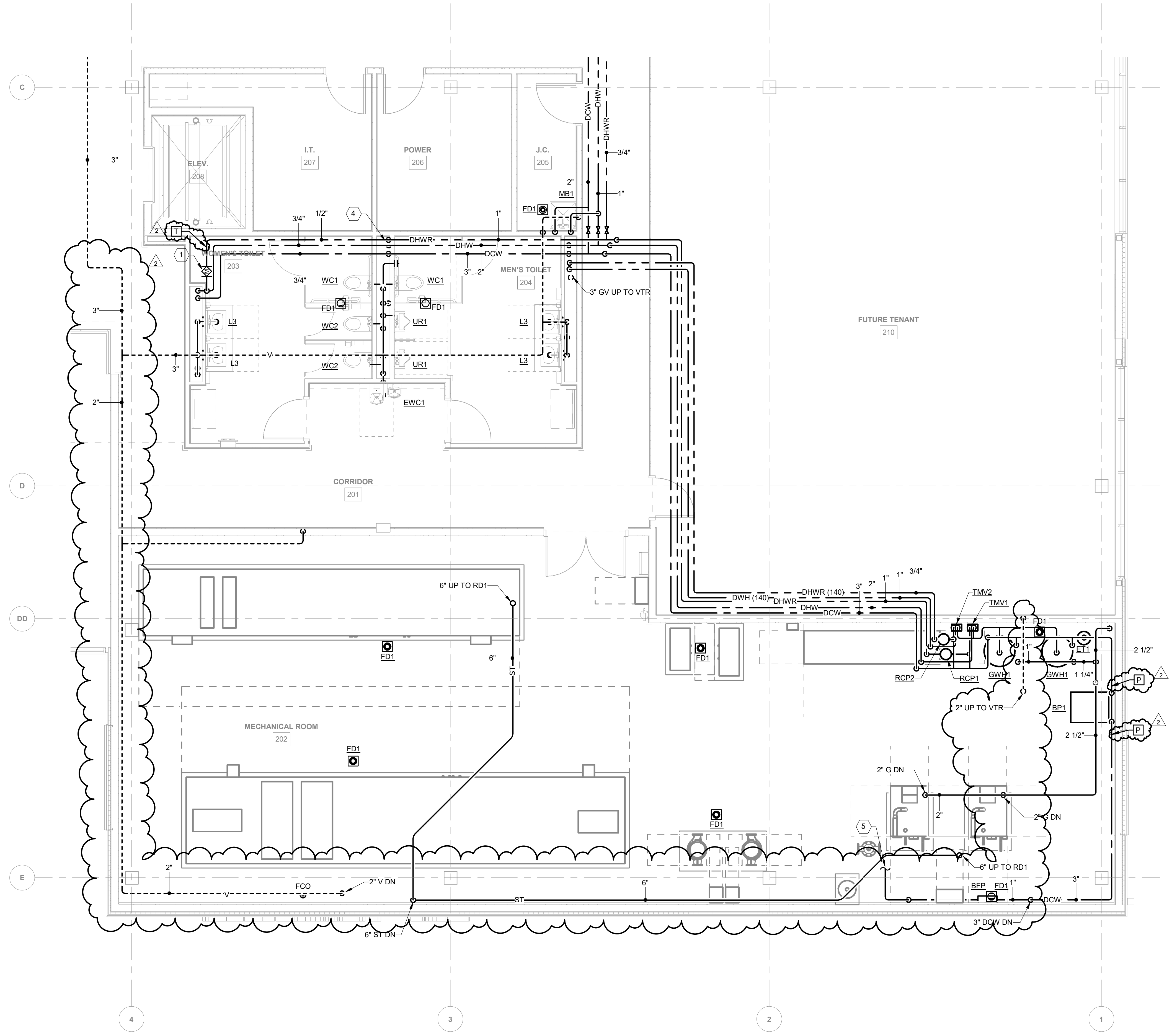


9/22/2022 1:17:24 PM

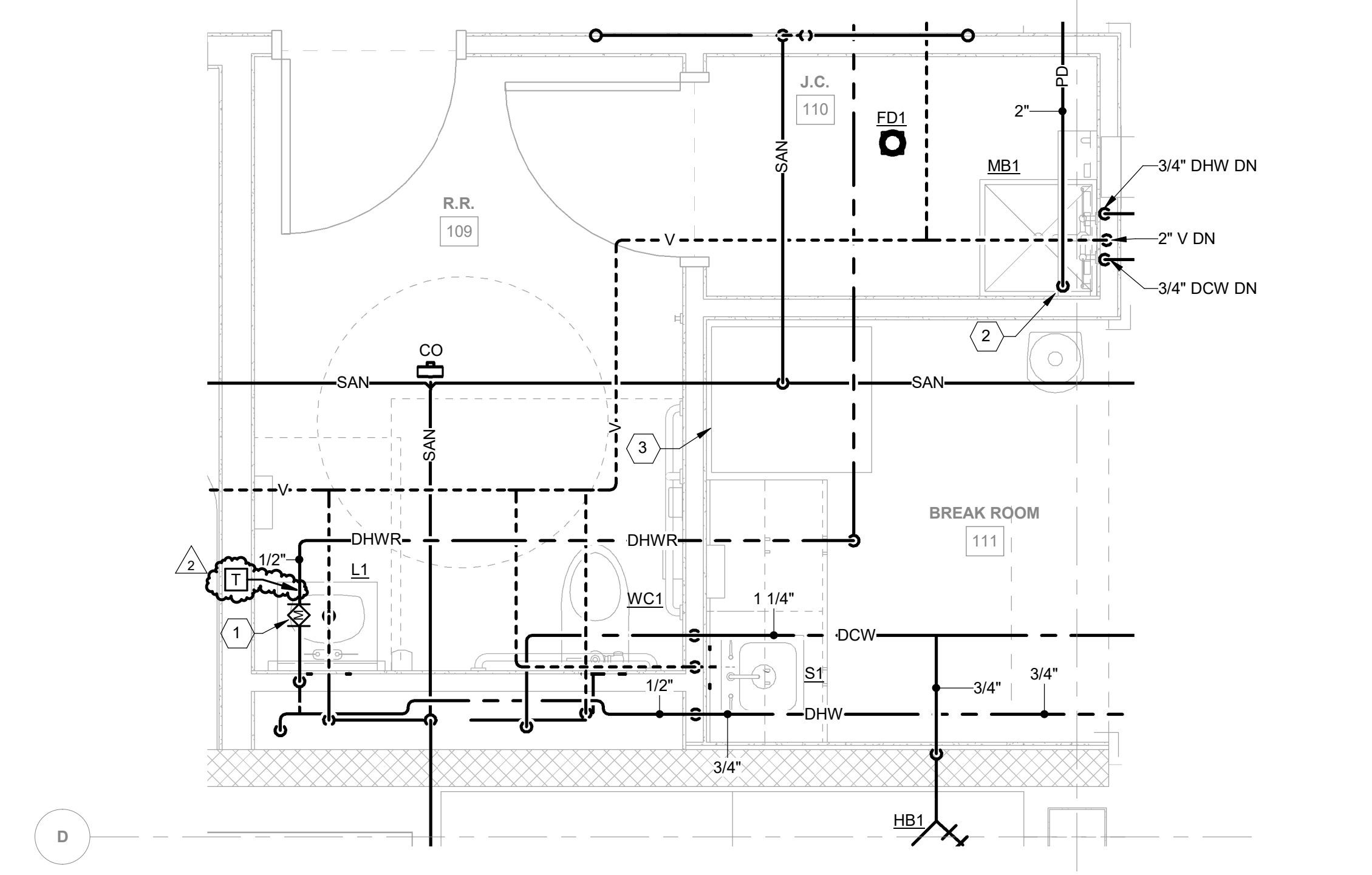
C:\Users\B.Schroeder\Documents\OHFM21_P1\UMBING_R20_bschroederZFN8.rvt

KEYNOTES

- 1 SET BALANCE VALVE TO 0.5 GPM.
- 2 2" ELEVATOR SUMP PUMP DISCHARGE DOWN TO MOP BASIN.
- 3 INSTALL GUY GRAY 88164 OR EQUAL FOR FUTURE REFRIGERATOR ICE MAKER SUPPLY.
- 4 DROP DOWN IN CHASE WITH 3" DCW, 2" DHW, AND 1" DHWR. IN CHASE MAKE ALL REQUIRED CONNECTIONS AND PROVIDE LINE SIZED WATER HAMMER ARRESTOR PER FDI REQUIREMENTS. CONTINUE 3" DCW, 2" DHW AND 1" DHWR DOWN TO SERVE THE FIRST FLOOR.
- 5 SEE MECHANICAL PLANS FOR CONTINUATION OF DOMESTIC COLD WATER.



1 SECOND FLOOR NE MECHANICAL ROOM
 SCALE: 1/4" = 1'-0"
 0 1' 2' 4' 8' 12' 16'



2 RESTROOM / KITCHENETTE ENLARGED PLAN
 SCALE: 1/2" = 1'-0"
 0 0.25' 1' 2' 4' 6' 8' 1/2" = 1'-0"

1 BID & PERMIT SET		09.09.2022
2 ADDENDUM 1		09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA** A LWC Company
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

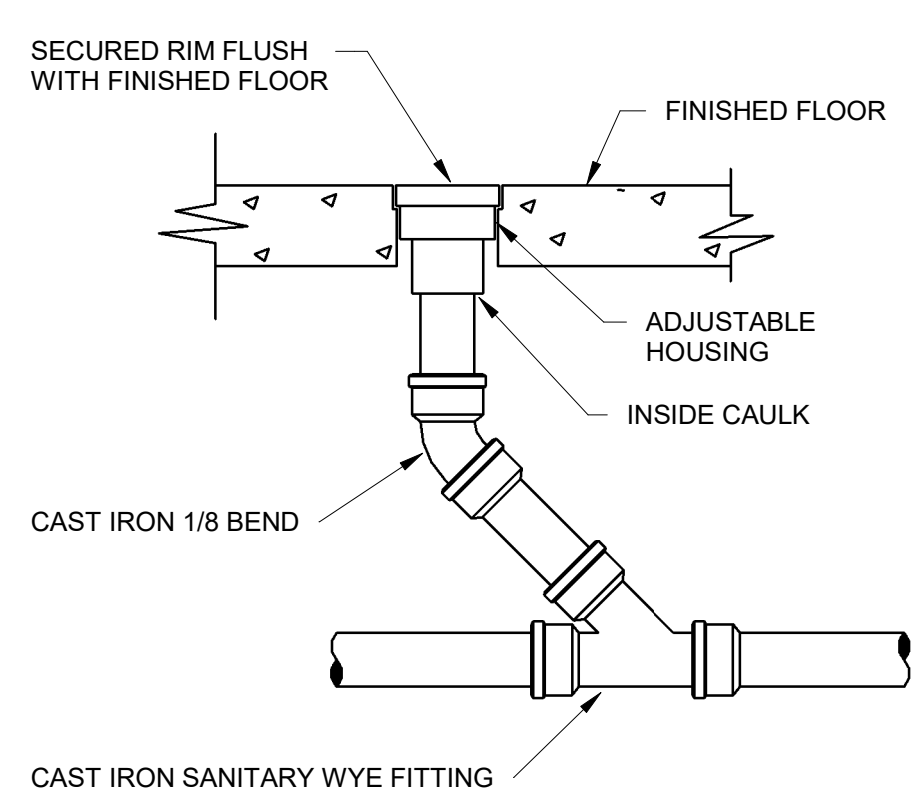
Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

ENLARGED PLANS - PLUMBING

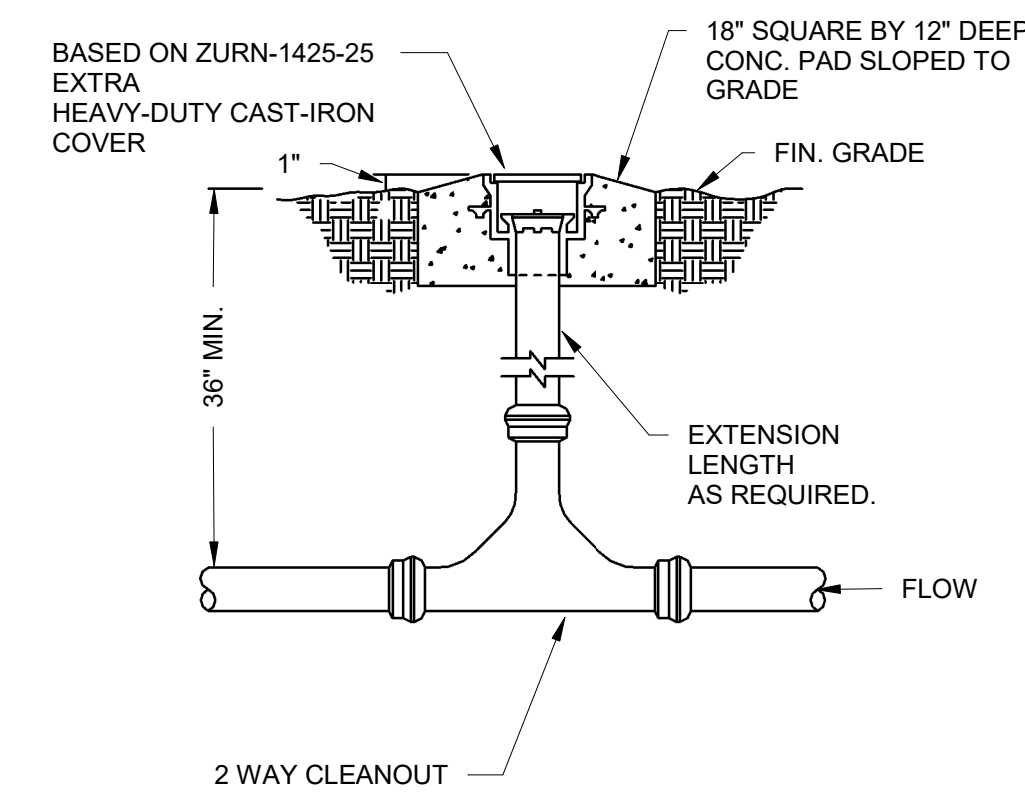
Comm. No.	21608.00	Date	09/09/2022
Drawn	TCF	Drawing No.	1.P301
Checked	MAN		

© 2021 LWC, INCORPORATED

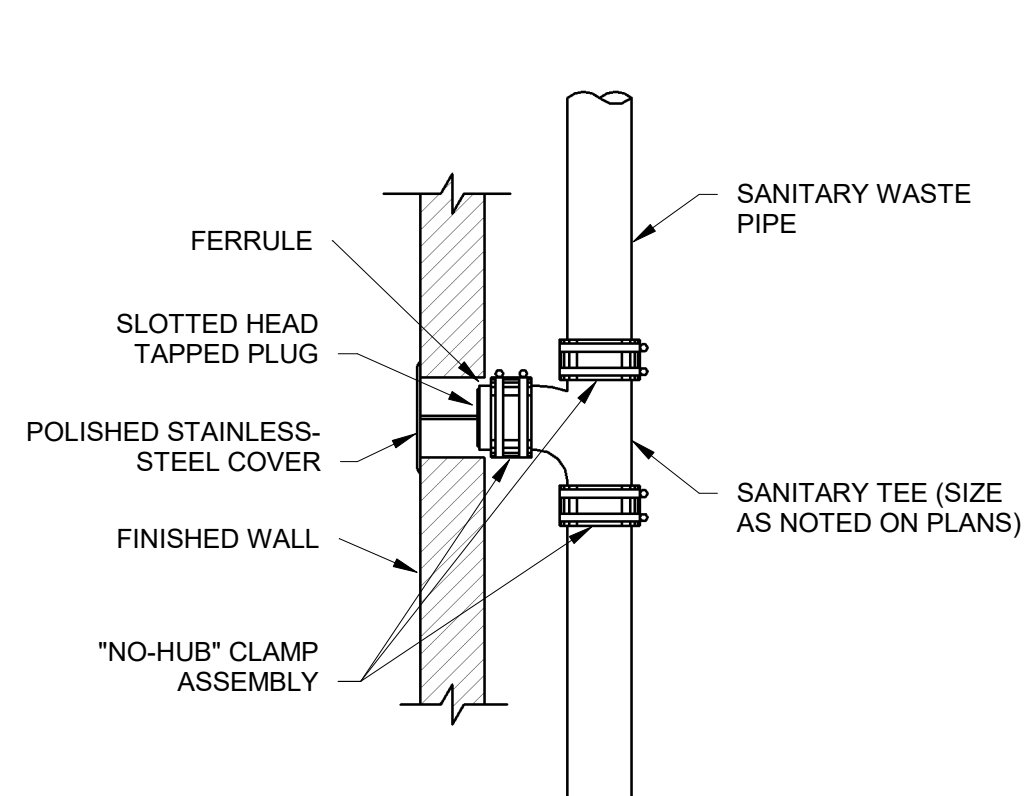
9/22/2022 12:47:55 PM



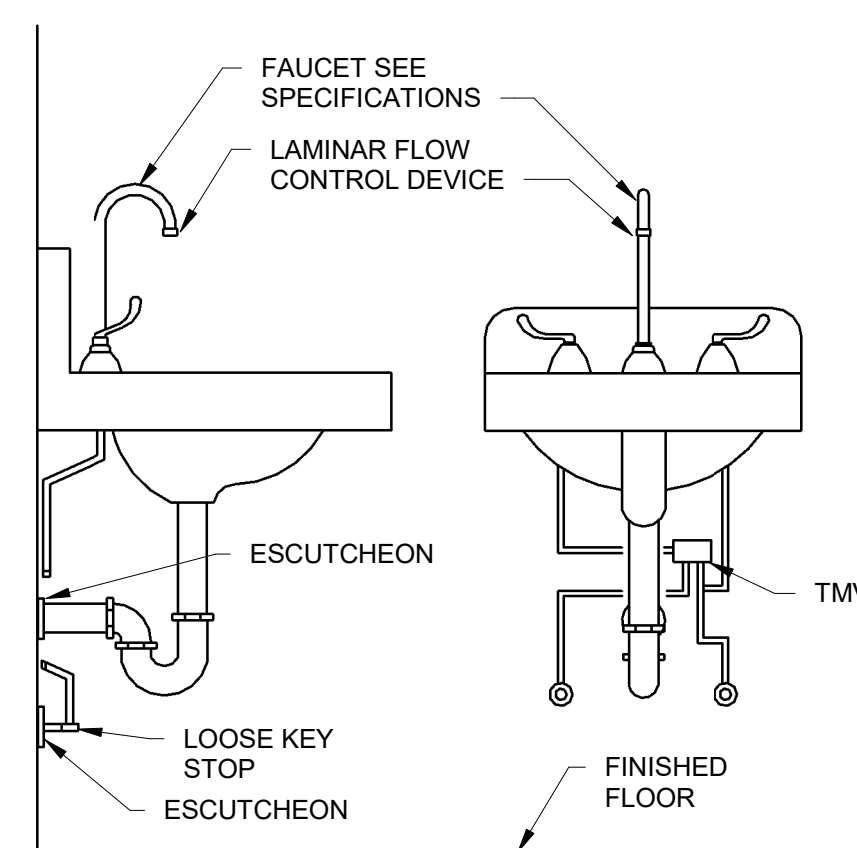
1 FLOOR CLEANOUT DETAIL
SCALE: NONE



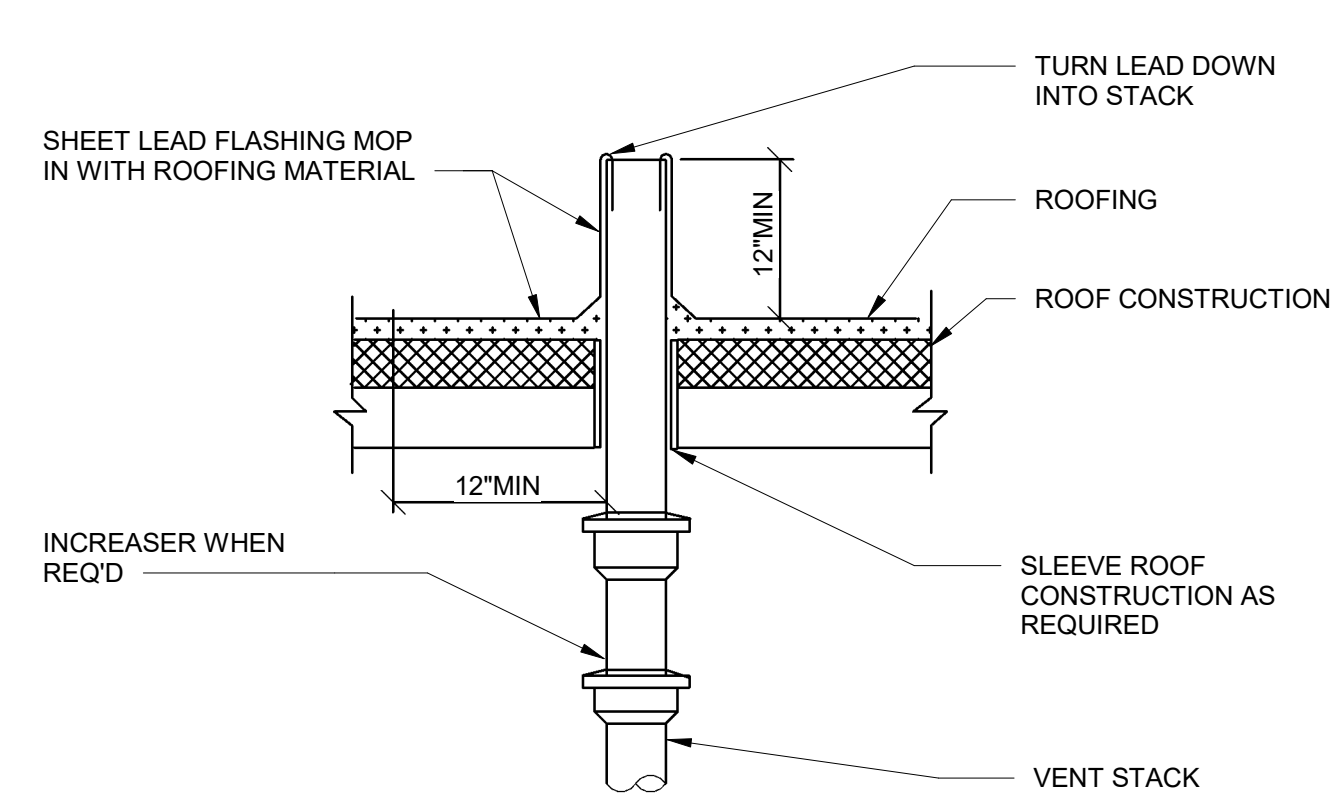
2 TWO WAY GRADE CLEANOUT DETAIL
SCALE: NONE



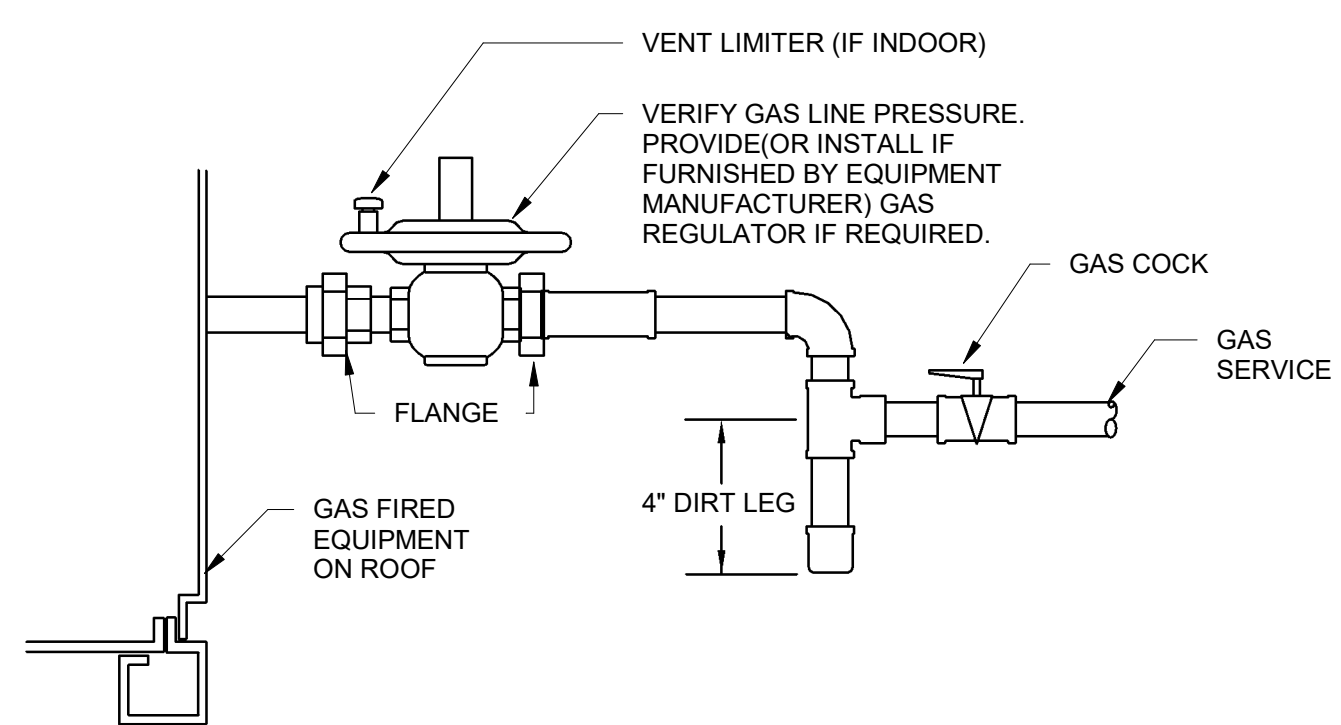
3 WALL CLEANOUT DETAIL
SCALE: NONE



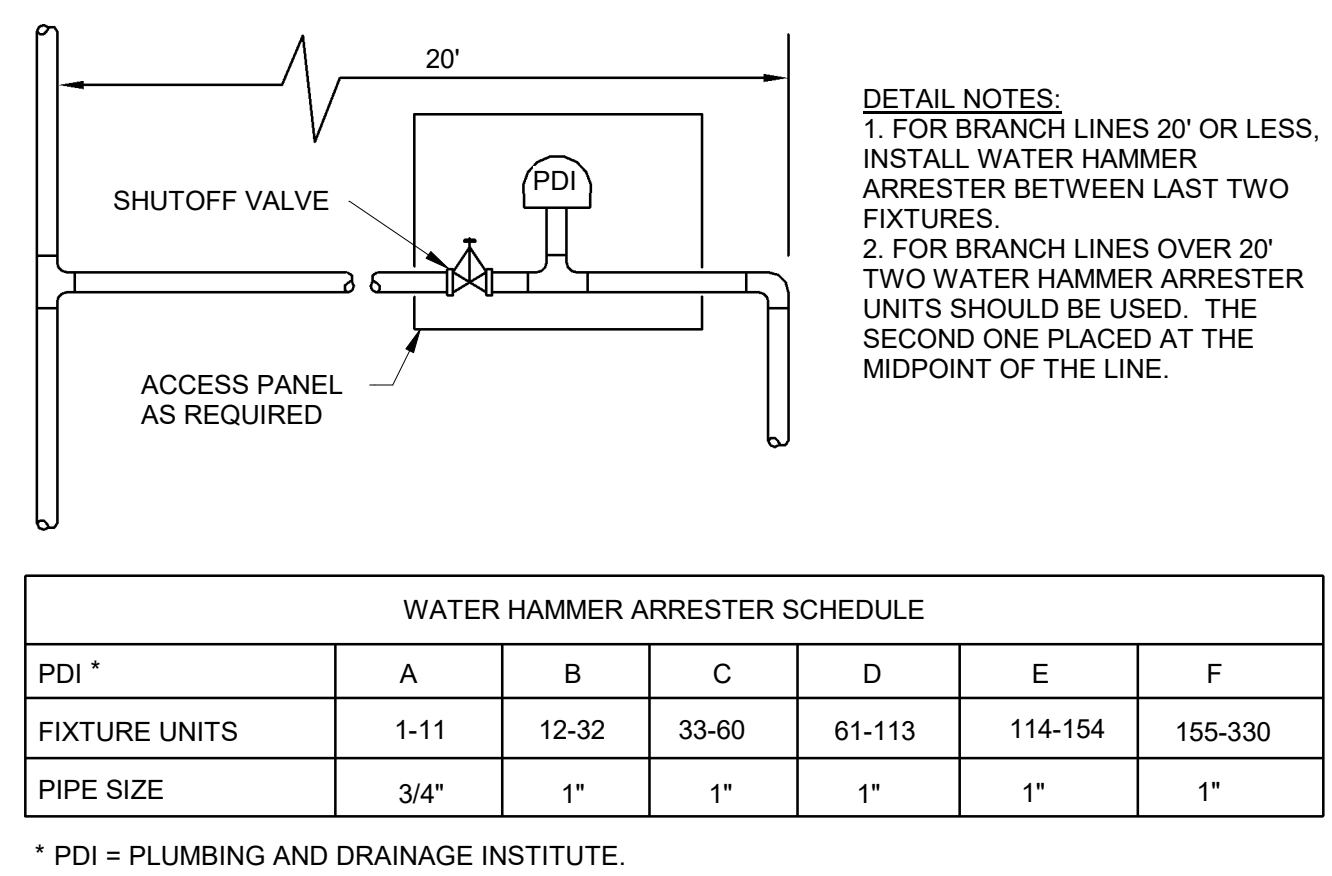
4 TYPICAL LAVATORY DETAIL
SCALE: NONE



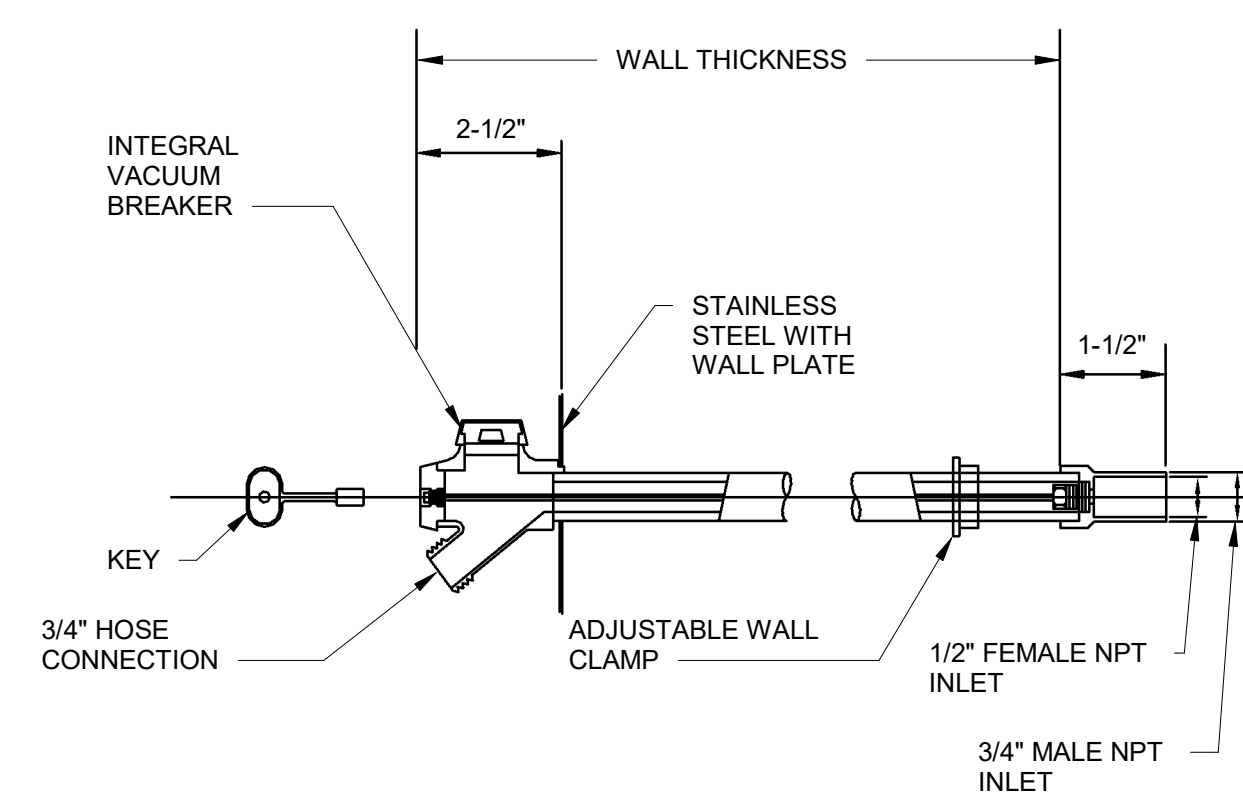
5 VENT THROUGH ROOF DETAIL
SCALE: NONE



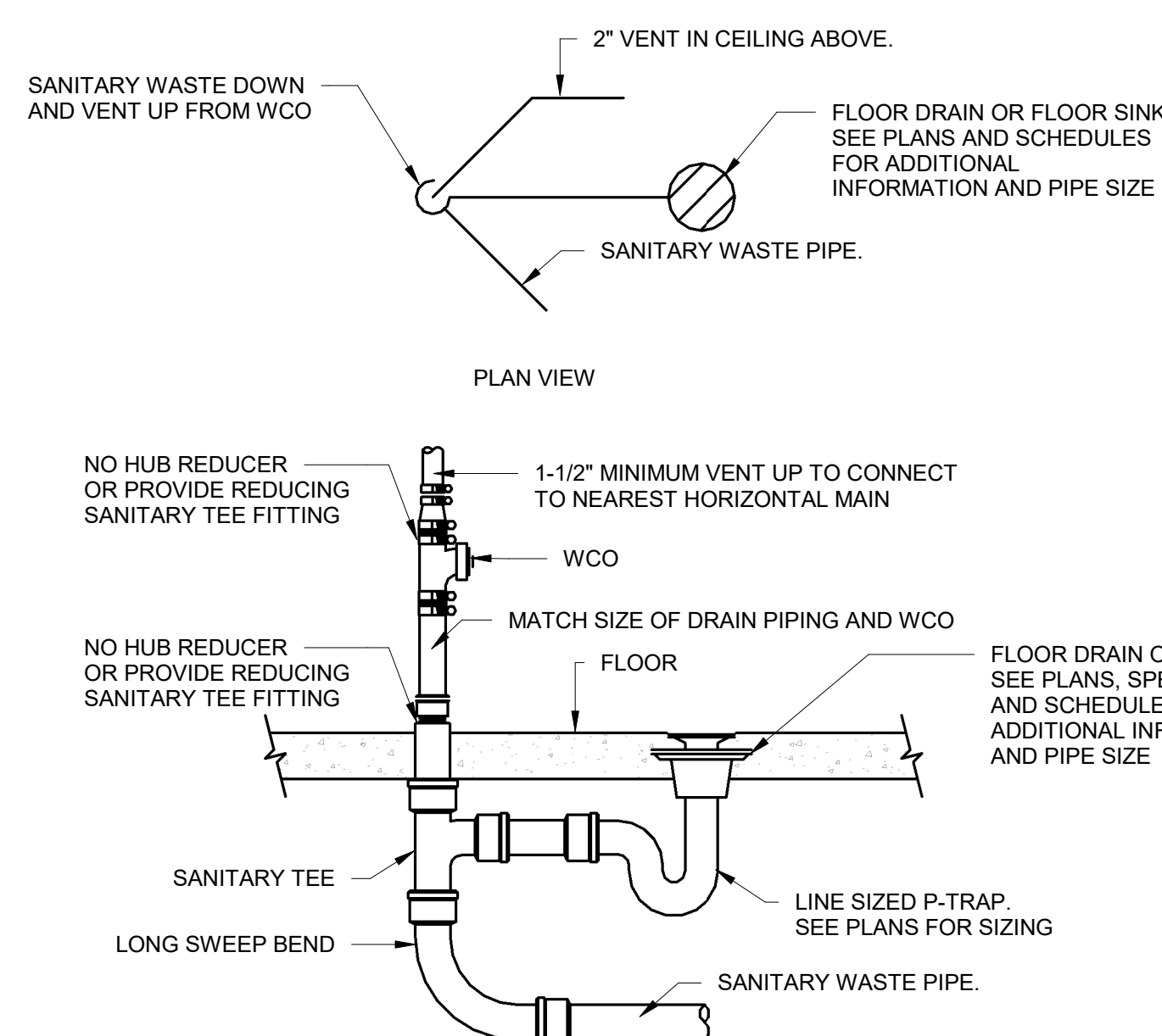
6 GAS CONNECTION TO EQUIPMENT DETAIL
SCALE: NONE



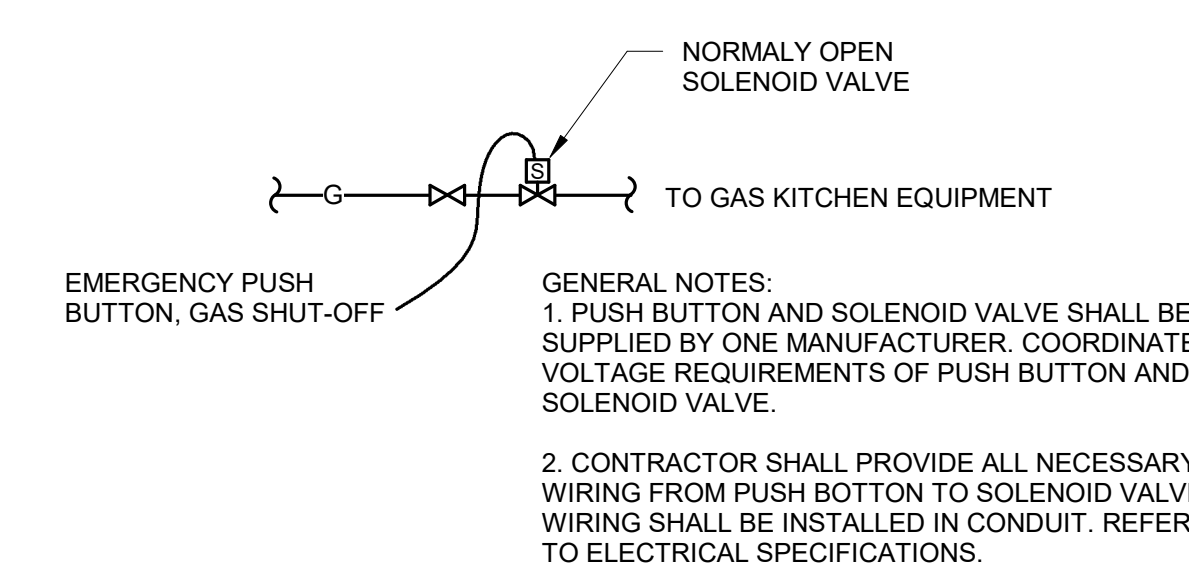
7 WATER HAMMER ARRESTER DETAIL
SCALE: NONE



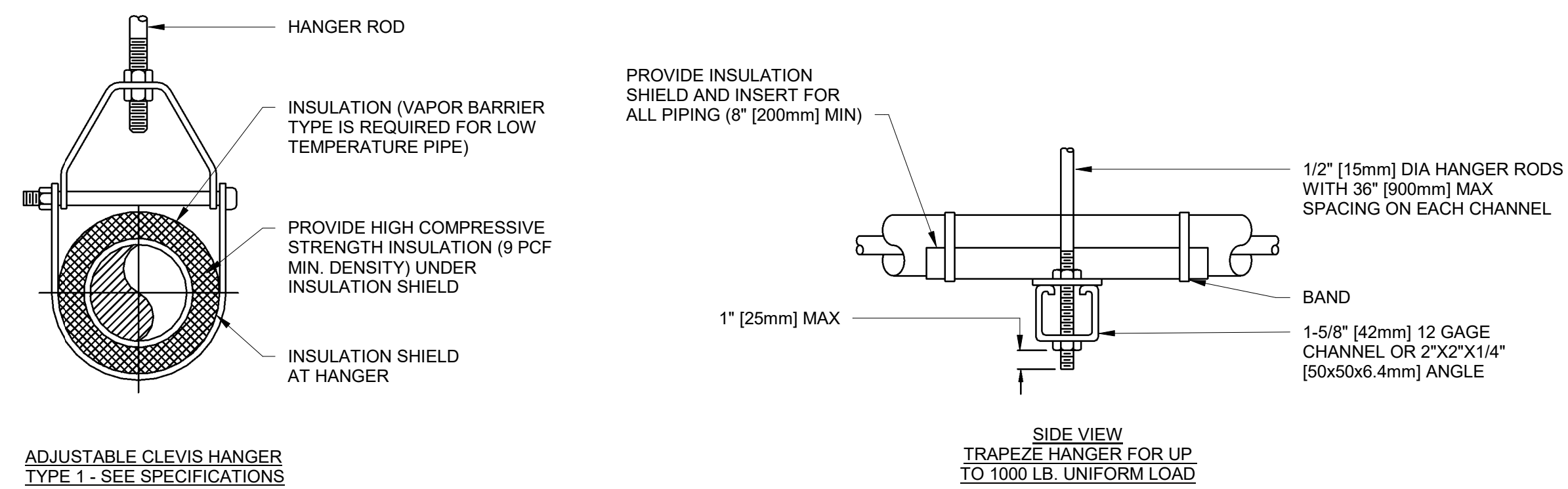
8 EXPOSED NON-FREEZE WALL HYDRANT DETAIL
SCALE: NONE



9 FLOOR DRAIN OFFSET DETAIL
SCALE: NONE



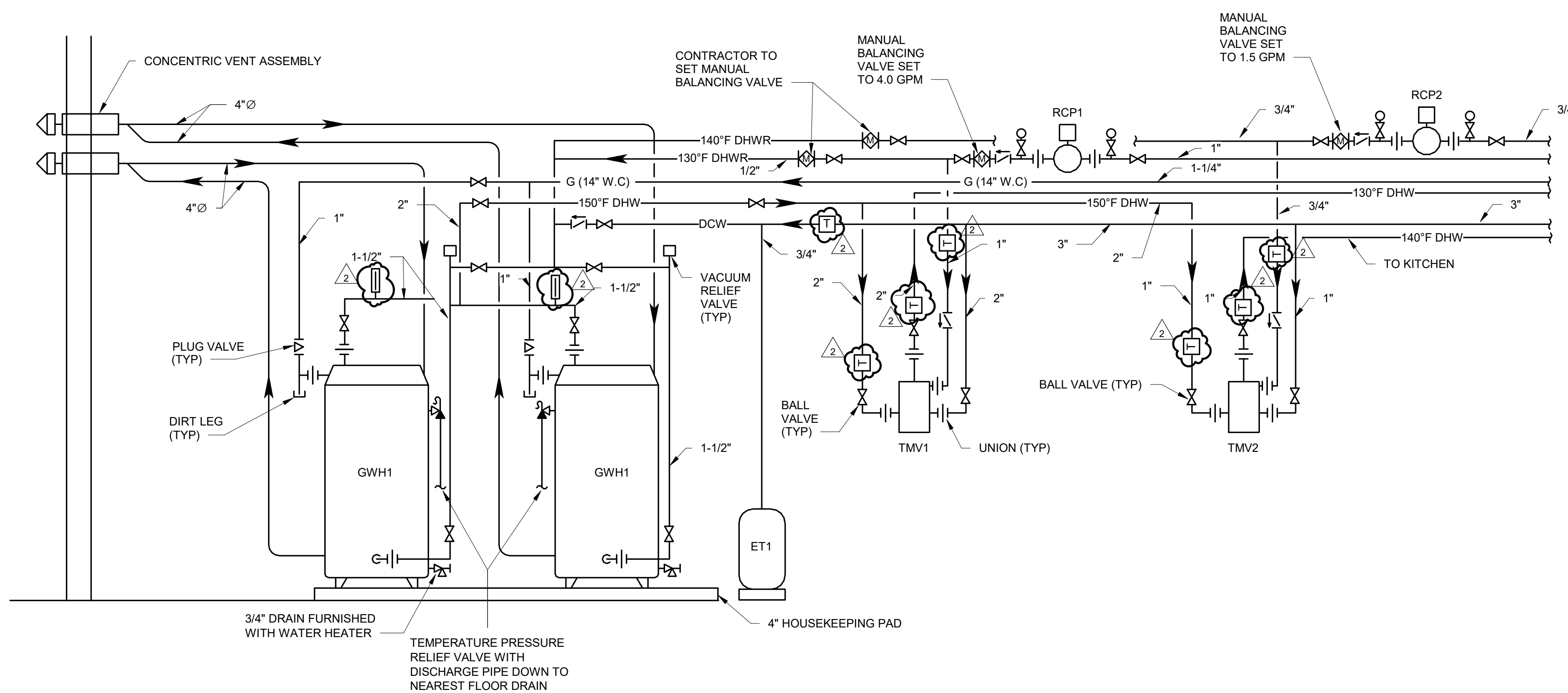
10 EMERGENCY GAS SHUT-OFF PUSH BUTTON DETAIL
SCALE: NONE



11 PIPE HANGER DETAIL
SCALE: NONE

MAXIMUM PIPE/TUBING SUPPORT SPACING												
NOM. SIZE	IN.	THRU	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10
PIPE	FT.	(2.1)	(2.1)	(2.1)	(2.7)	(3.0)	(3.4)	(3.7)	(4.1)	(4.9)	(5.2)	(5.8)
	(M)	(2.1)	(2.1)	(2.1)	(2.7)	(3.0)	(3.4)	(3.7)	(4.1)	(4.9)	(5.2)	(5.8)
	5 FT	6	7	8	8	9	10	12	13	14	16	-
	(M)	(1.8)	(2.1)	(2.4)	(2.7)	(3.0)	(3.7)	(4.0)	(4.1)	(4.9)	(4.9)	-

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.



12 GAS FIRED WATER HEATER DETAIL
SCALE: NONE

1	BID & PERMIT SET	09/09/2022
2	ADDENDUM 1	09/23/2022
No.	Revisions / Submissions	Date

LWC INCORPORATED
434 East First Street
Dayton, OH 45402
937.223.6500

CMTA A LWC Company
712 East Main Street
Richmond, IN 47374
765.966.3546

1650 Lake Shore Drive, Suite 380
Columbus, OH 43204
614.992.1500

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OH 45417

DETAILS - PLUMBING

Comm. No.	21608.00	Date	09/09/2022
Drawn	TCF	Drawing No.	1.P601
Checked	MAN		

© 2021 LWC, INCORPORATED

C:\Users\B Schroeder\Documents\OHFM21_PLUMBING_R20_bschroederZFNp8.rvt

9/22/2022 12:47:57 PM C:\Users\B.Schroeder\Documents\OHFM21_PLUMBING_R20_bschroeder\FN8.rvt

Grid header with columns 1-26 and rows R-Q.

PROJECT SCHEDULE NOTES table with 10 rows and 3 columns.

PROJECT SCHEDULE NOTES table with 10 rows and 3 columns.

PROJECT SCHEDULE NOTES table with 10 rows and 3 columns.

PROJECT SCHEDULE NOTES table with 10 rows and 3 columns.

PLUMBING FIXTURE SCHEDULE table with columns: TAG, FUNCTION, UNIT DATA, BASIS OF DESIGN (MANUFACTURER, MODEL), BASIS OF DESIGN TRIM (MANUFACTURER, MODEL), BASIS OF DESIGN SUPPLY/STOP (MANUFACTURER, MODEL), BASIS OF DESIGN P-TRAP (MANUFACTURER, MODEL), BASIS OF DESIGN MISC (MANUFACTURER, MODEL), ROUGH-IN SIZES (IN) (DCW, DHW, SAN, V), SCHEDULE NOTES.

PLUMBING SPECIALTIES SCHEDULE table with columns: TAG, FUNCTION, UNIT DATA, BASIS OF DESIGN (MANUFACTURER, MODEL), SCHEDULE NOTES.

GAS FIRED WATER HEATER SCHEDULE table with columns: TAG, LOCATION, FUNCTION, UNIT DATA, BASIS OF DESIGN, PERFORMANCE DATA (STORAGE CAPACITY, RECOVERY @ 100°F RISE, INPUT CAPACITY, EFF), GENERAL DATA (FLUE SIZE, CONNECTION), ELECTRICAL DATA (FLA, VOLTS, PHASE), SCHEDULE NOTES.

PACKAGED BOOSTER PUMP SCHEDULE table with columns: TAG, LOCATION, FUNCTION, UNIT DATA, BASIS OF DESIGN, PERFORMANCE DATA (# OF PUMPS, FLOW, TOTAL WPD, MIN NPSH AVAIL, EFF), PRESSURE TRANSMITTER, HEADER SIZE, HP, VOLTS, PHASE, MAX RPM, EMERGENCY POWER, OPERATING WEIGHT, SCHEDULE NOTES.

EXPANSION TANK SCHEDULE table with columns: TAG, FUNCTION, UNIT DATA, BASIS OF DESIGN, PERFORMANCE DATA (TANK VOLUME, MAX ACCEPTANCE VOLUME, AIR PRECHARGE, CONNECTION SIZE), SCHEDULE NOTES.

PUMP SCHEDULE table with columns: TAG, LOCATION, FUNCTION, UNIT DATA, BASIS OF DESIGN, PERFORMANCE DATA (FLUID TYPE, FLOW, EXT WPD, EWT), MOTOR DATA (HP, PHASE, VOLTS, FLA, VFD), EMERGENCY POWER, REDUNDANT, WEIGHT, SCHEDULE NOTES.

INTERCEPTOR SCHEDULE table with columns: TAG, LOCATION, FUNCTION, UNIT DATA, BASIS OF DESIGN, PERFORMANCE DATA (MAX CAPACITY, FLOW RATE), PIPING CONNECTIONS (SAN INLET & OUTLET), SCHEDULE NOTES.

THERMOSTATIC MIXING VALVE SCHEDULE table with columns: TAG, LOCATION, FUNCTION, UNIT DATA, BASIS OF DESIGN, PERFORMANCE DATA (MIN FLOW, MAX FLOW, FLOW, WPD, LWT), GENERAL DATA (INLET SIZE, OUTLET SIZE), SCHEDULE NOTES.

Revision table with columns: No., Description, Date.

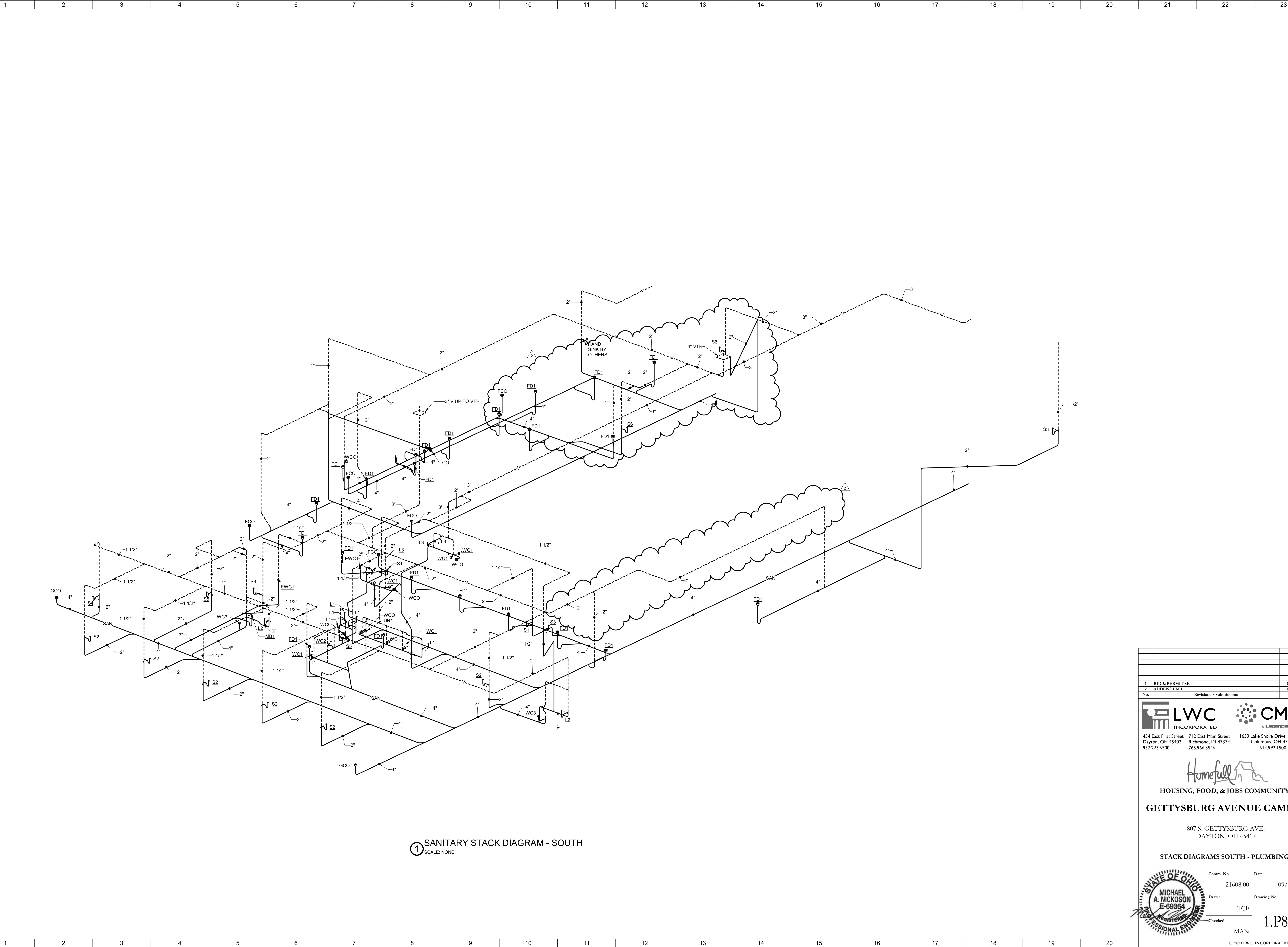
LWC INCORPORATED logo and contact information: 434 East First Street, Dayton, OH 45402. CMTA logo and contact information: 1650 Lake Shore Drive, Suite 380, Columbus, OH 43204.

Homefull logo and address: HOUSING, FOOD, & JOBS COMMUNITY GETTYSBURG AVENUE CAMPUS, 807 S. GETTYSBURG AVE., DAYTON, OH 45417.

SCHEDULES - PLUMBING section with State of Ohio Professional Engineer seal for Michael A. Nickoson, E-69364, and drawing information: Drawing No. TCF, Checked by MAN, 1.P701.

9/22/2022 12:46:00 PM

C:\Users\B Schroeder\Documents\OHFM21_PLUMBING_R20_bschroederZFN88.rvt



1 SANITARY STACK DIAGRAM - SOUTH
SCALE: NONE

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

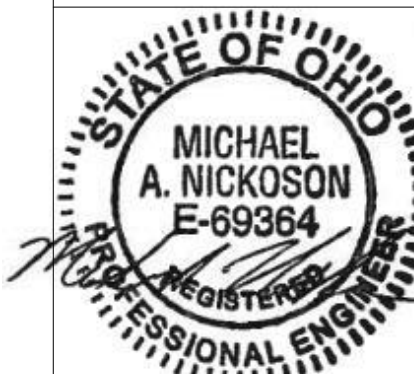
LWC INCORPORATED **CMTA** A LWC Company
 434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546
 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

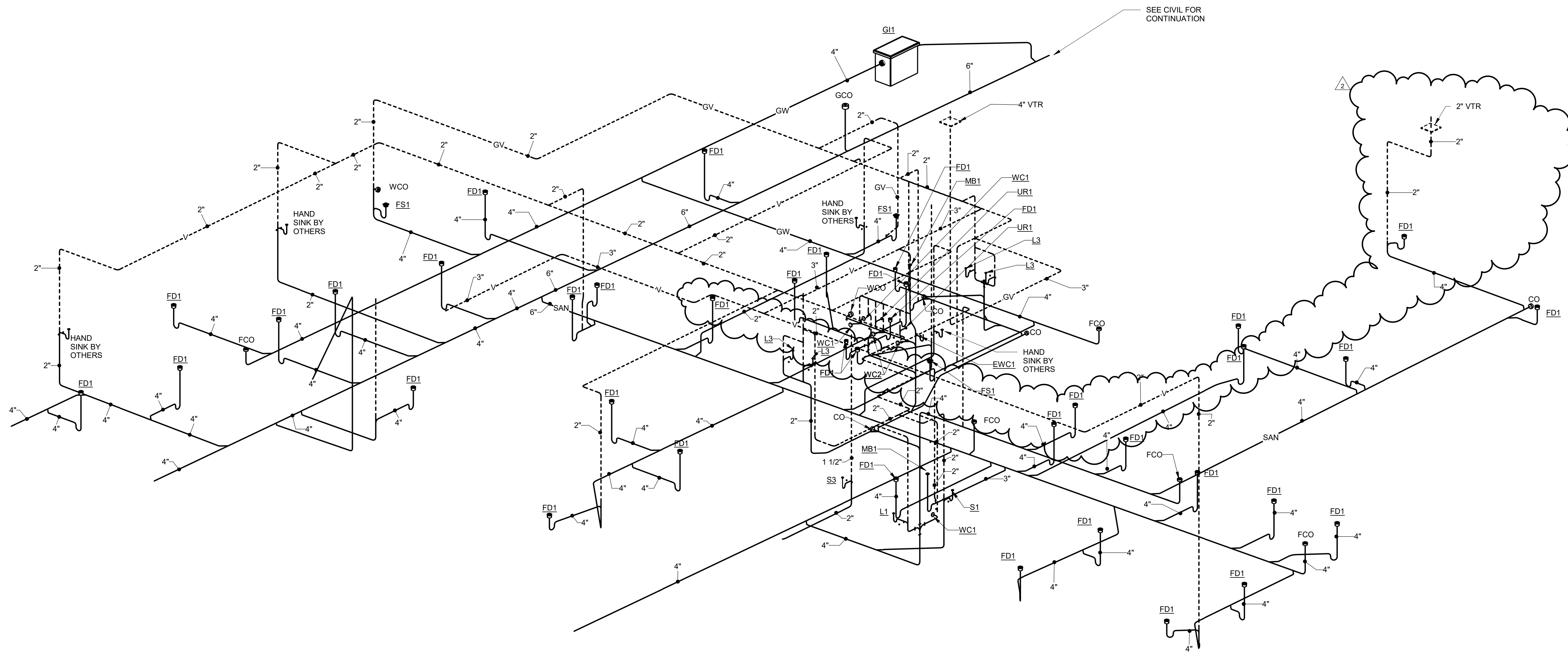
Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

STACK DIAGRAMS SOUTH - PLUMBING

Comm. No.	21608.00	Date	09/09/2022
Drawn	TCF	Drawing No.	1.P801
Checked	MAN		

© 2021 LWC, INCORPORATED





1 SANITARY STACK DIAGRAM - NORTH
SCALE: NONE

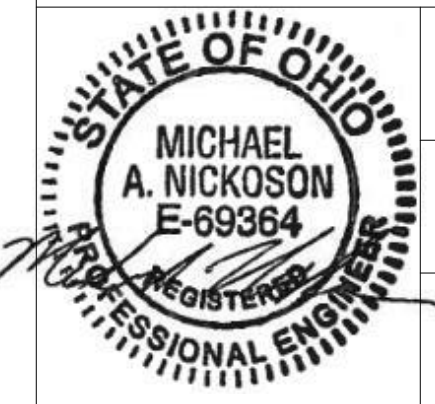
1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA**
A LWC Company

434 East First Street Dayton, OH 45402 937.223.6500
712 East Main Street Richmond, IN 47374 765.966.3546
1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OH 45417

STACK DIAGRAMS NORTH - PLUMBING	
Comm. No. 21608.00	Date 09/09/2022
Drawn TCF	Drawing No. 1.P802
Checked MAN	



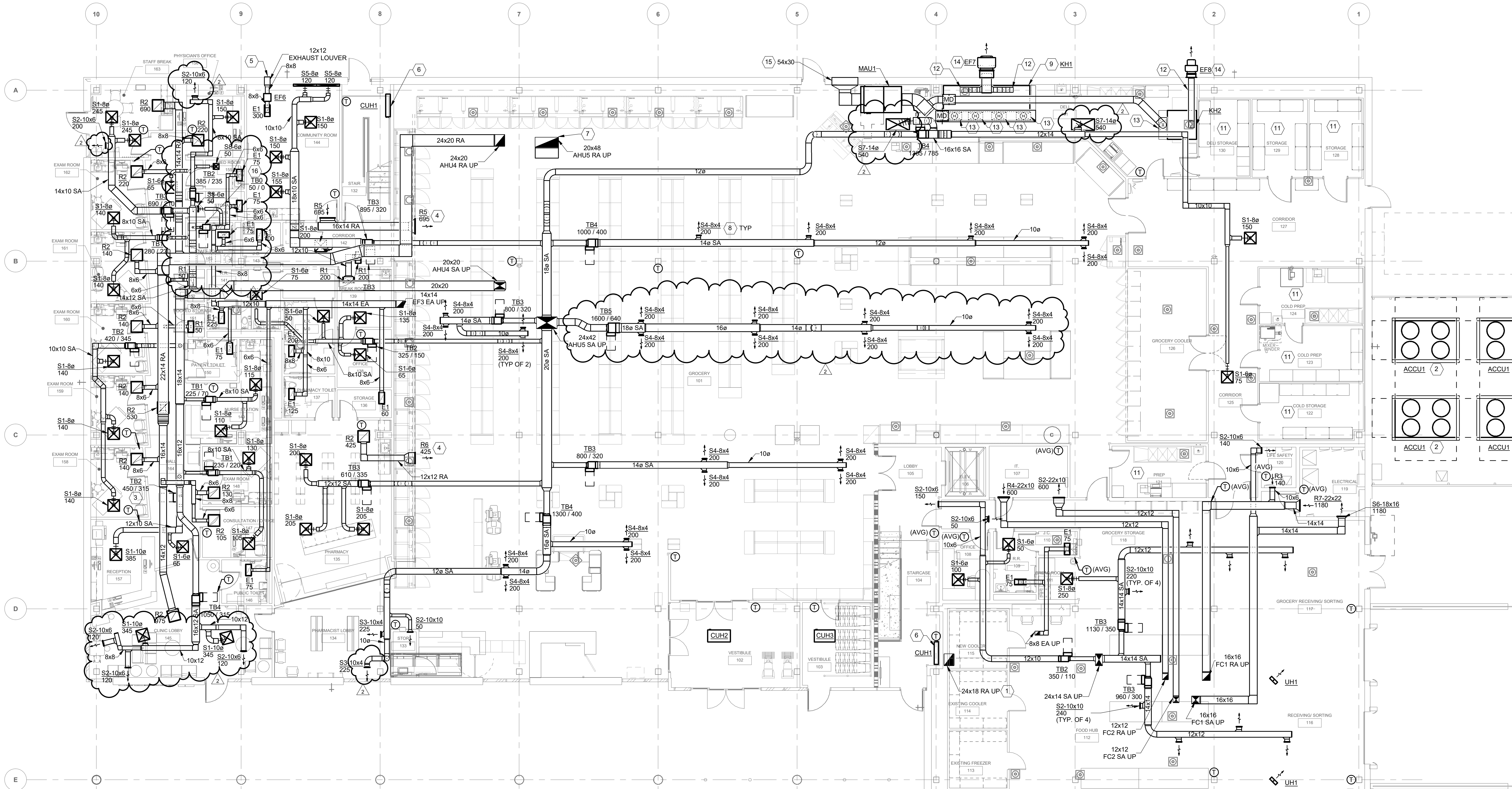
9/20/2022 7:48:10 PM

1.M101 SHEET NOTES

- A EXPOSED DUCT TO BE DOUBLE-WALL INSULATED SPIRAL DUCT WITH PAINT GRIP OUTER SHELL.

KEYNOTES

- 1 TERMINATE DUCT ABOVE WALK-IN COOLERS/FREEZERS WITH WIRE-MESH SCREEN.
- 2 INSTALL UNIT ON 18" HIGH STAND SET ON CONCRETE PAD ON GRADE. COORDINATE STAND REQUIREMENTS WITH MANUFACTURER FOR OPEN AREA. TOP OF UNIT TO BE LEVEL WITH TOP OF THE ENCLOSURE. COORDINATE MANUFACTURER RECOMMENDED CLEARANCES WITH ELECTRICAL AND KITCHEN EQUIPMENT BY OTHERS IN AREA.
- 3 TERMINAL BOX LOCATED DIRECTLY UNDER SUPPLY MAIN DUCT WORK.
- 4 RETURN AIR DEVICE LOCATED IN SOFFIT FACE ABOVE REACH-IN REFRIGERATORS/FREEZERS.
- 5 SEE ARCHITECTURAL DRAWINGS FOR LOUVER DETAIL.
- 6 FLOOR MOUNTED CABINET UNIT HEATER.
- 7 LINED RETURN AIR DUCT AND ELBOW FROM ABOVE. EXTEND DUCT IN SPACE TIGHT TO STRUCTURE AND TERMINATE WITH 1" WIRE MESH SCREEN.
- 8 SPIRAL DUCT GRILLE TO BE INSTALLED AT 90° WITH FLOOR BELOW.
- 9 INSTALL WALL CANOPY HOOD PER MANUFACTURER'S REQUIREMENTS. COORDINATE FINAL LOCATION WITH KITCHEN EQUIPMENT PROVIDER.
- 10 ELECTRICAL EQUIPMENT BY OTHERS.
- 11 SPACE CONDITIONED BY GROCERY / REFRIGERATION SYSTEM BY OTHERS.
- 12 KITCHEN HOOD EXHAUST DUCT CONNECTION BY MANUFACTURER. GREASE DUCT TO KITCHEN EXHAUST FAN TO BE INSTALLED PER SPECIFICATION REQUIREMENTS.
- 13 KITCHEN HOOD MAKEUP AIR CONNECTION TO PLENUM BY MANUFACTURER.
- 14 WALL MOUNTED KITCHEN EXHAUST FAN. INSTALL WITH MANUFACTURER'S SIDEWALL BRACKET HINGE KIT AND SIDEWALL GREASE KIT.
- 15 SEE ARCHITECTURAL DRAWINGS FOR LOUVER DETAILS.
- 16 COOLING ONLY TERMINAL BOX.



1 FIRST FLOOR PLAN - HVAC DUCTWORK
 SCALE: 1/8" = 1'-0"
 0 2 4 8 16 24 32 1/8" = 1'-0"

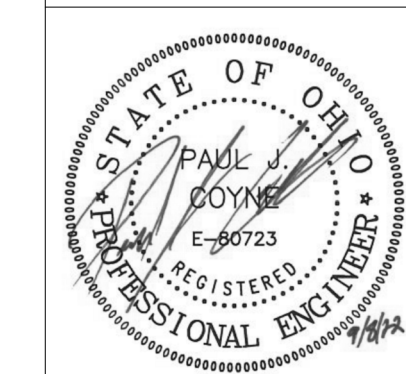
1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA**
 A LWC Company
 434 East First Street Dayton, OH 45402 937.223.6500
 712 East Main Street Richmond, IN 47374 765.966.3546
 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

FIRST FLOOR PLAN - HVAC DUCTWORK

Comm. No.	21608.00	Date	08/26/2022
Drawn	BMJ	Drawing No.	1.M101
Checked	PJC		



C:\Users\Bjackson\Documents\OH\FM21_Mech_R20_bjackson\1.DWG.rvt

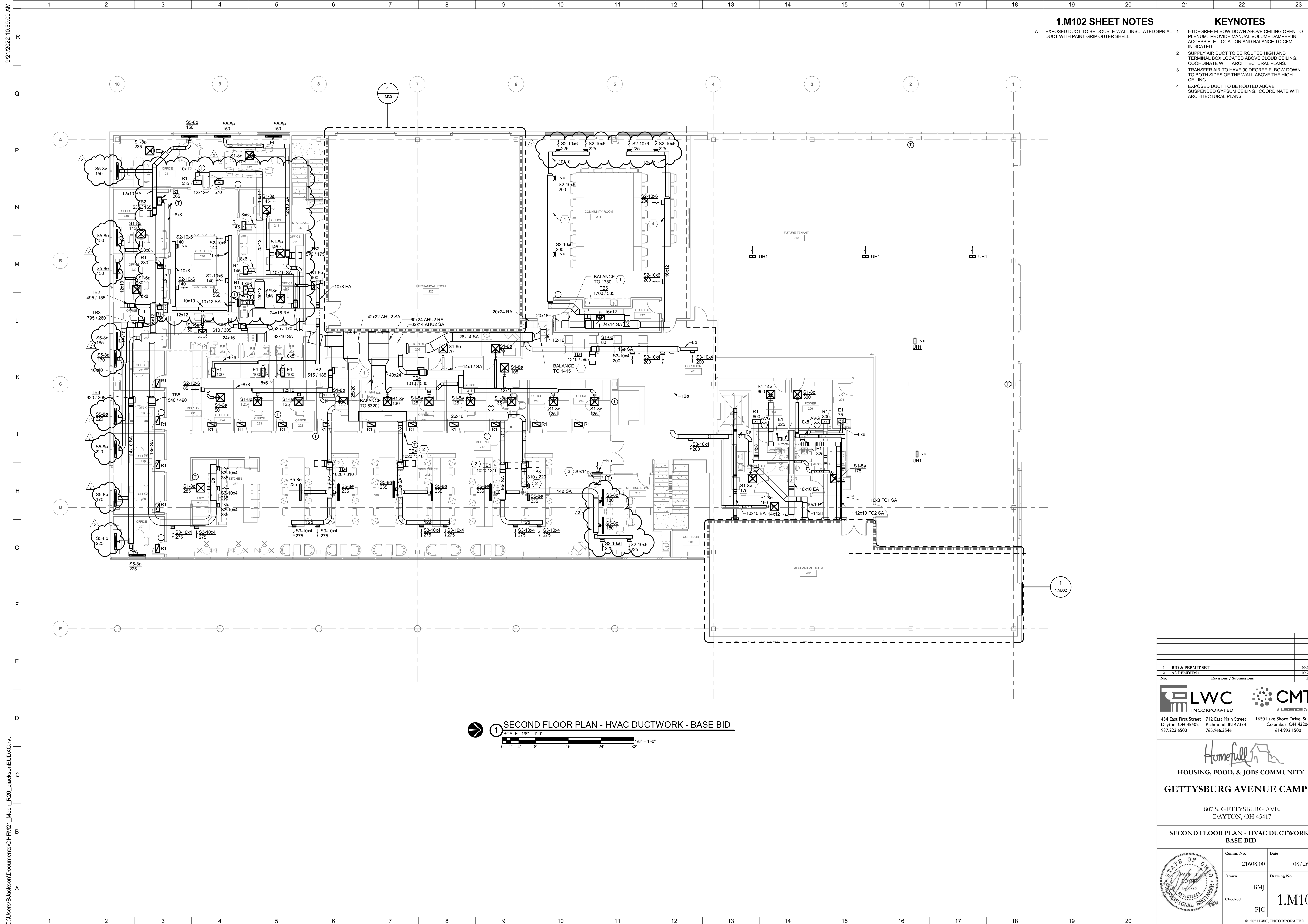
9/21/2022 10:59:05 AM

1.M102 SHEET NOTES

A EXPOSED DUCT TO BE DOUBLE-WALL INSULATED SPIRAL DUCT WITH PAINT GRIP OUTER SHELL.

KEYNOTES

- 1 90 DEGREE ELBOW DOWN ABOVE CEILING OPEN TO PLENUM. PROVIDE MANUAL VOLUME DAMPER IN ACCESSIBLE LOCATION AND BALANCE TO CFM INDICATED.
- 2 SUPPLY AIR DUCT TO BE ROUTED HIGH AND TERMINAL BOX LOCATED ABOVE CLOUD CEILING. COORDINATE WITH ARCHITECTURAL PLANS.
- 3 TRANSFER AIR TO HAVE 90 DEGREE ELBOW DOWN TO BOTH SIDES OF THE WALL ABOVE THE HIGH CEILING.
- 4 EXPOSED DUCT TO BE ROUTED ABOVE SUSPENDED GYPSUM CEILING. COORDINATE WITH ARCHITECTURAL PLANS.



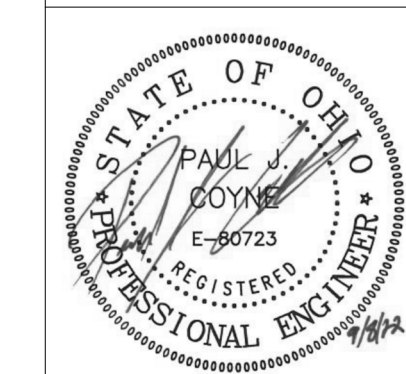
➔ ① SECOND FLOOR PLAN - HVAC DUCTWORK - BASE BID
 SCALE: 1/8" = 1'-0"
 0 2 4 8 16 24 32 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA** A LWC Company
 434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Richmond, IN 47374 765.966.3546 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

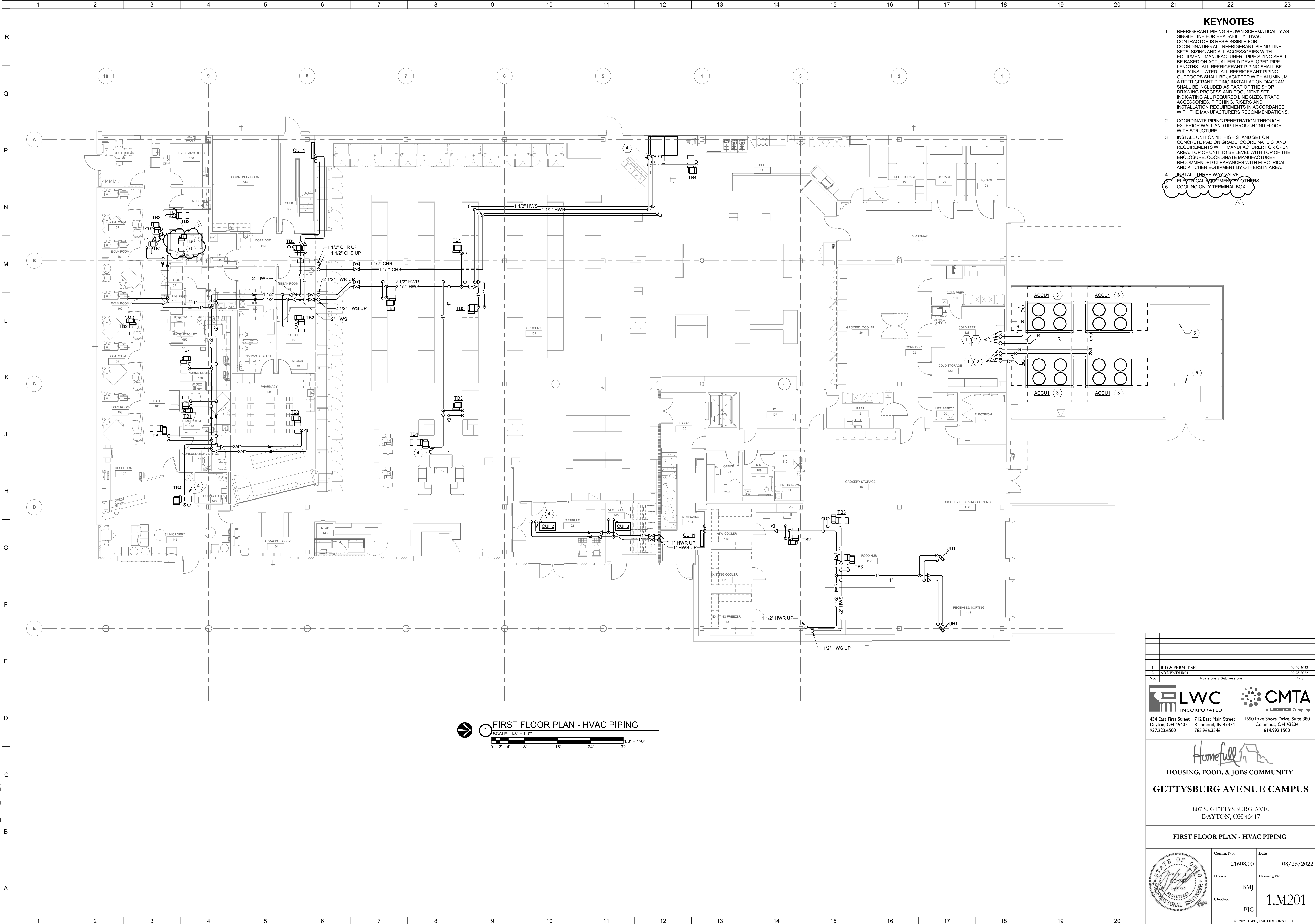
Homefull
 HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

SECOND FLOOR PLAN - HVAC DUCTWORK - BASE BID	
Comm. No.	Date
21608.00	08/26/2022
Drawn	Drawing No.
BMJ	1.M102
Checked	PJC



9/20/2022 7:46:56 PM

C:\Users\Bjackson\Documents\OHFM21_Mech_R20_Bjackson\EUDXC.rvt



KEYNOTES

- 1 REFRIGERANT PIPING SHOWN SCHEMATICALLY AS SINGLE LINE FOR READABILITY. HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REFRIGERANT PIPING LINE SETS, SIZING AND ALL ACCESSORIES WITH EQUIPMENT MANUFACTURER. PIPE SIZING SHALL BE BASED ON ACTUAL FIELD DEVELOPED PIPE LENGTHS. ALL REFRIGERANT PIPING SHALL BE FULLY INSULATED. ALL REFRIGERANT PIPING OUTDOORS SHALL BE JACKETED WITH ALUMINUM. A REFRIGERANT PIPING INSTALLATION DIAGRAM SHALL BE INCLUDED AS PART OF THE SHOP DRAWING PROCESS AND DOCUMENT SET INDICATING ALL REQUIRED LINE SIZES, TRAPS, ACCESSORIES, PITCHING, RISERS AND INSTALLATION REQUIREMENTS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 2 COORDINATE PIPING PENETRATION THROUGH EXTERIOR WALL AND UP THROUGH 2ND FLOOR WITH STRUCTURE.
- 3 INSTALL UNIT ON 18" HIGH STAND SET ON CONCRETE PAD ON GRADE. COORDINATE STAND REQUIREMENTS WITH MANUFACTURER FOR OPEN AREA. TOP OF UNIT TO BE LEVEL WITH TOP OF THE ENCLOSURE. COORDINATE MANUFACTURER RECOMMENDED CLEARANCES WITH ELECTRICAL AND KITCHEN EQUIPMENT BY OTHERS IN AREA.
- 4 INSTALL THREE-WAY VALVE
- 5 ELECTRICAL EQUIPMENT BY OTHERS
- 6 COOLING ONLY TERMINAL BOX.

1 FIRST FLOOR PLAN - HVAC PIPING
 SCALE: 1/8" = 1'-0"
 0 2 4 8 16 24 32 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

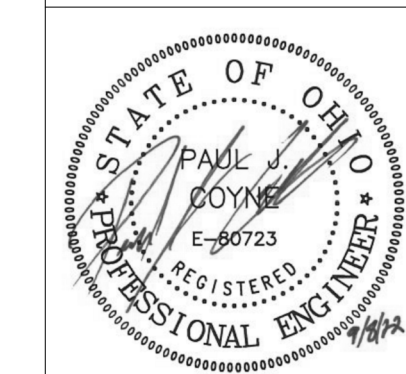
LWC INCORPORATED **CMTA** A LWC Company
 434 East First Street 712 East Main Street 1650 Lake Shore Drive, Suite 380
 Dayton, OH 45402 Richmond, IN 47374 Columbus, OH 43204
 937.223.6500 765.966.3546 614.992.1500

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

FIRST FLOOR PLAN - HVAC PIPING

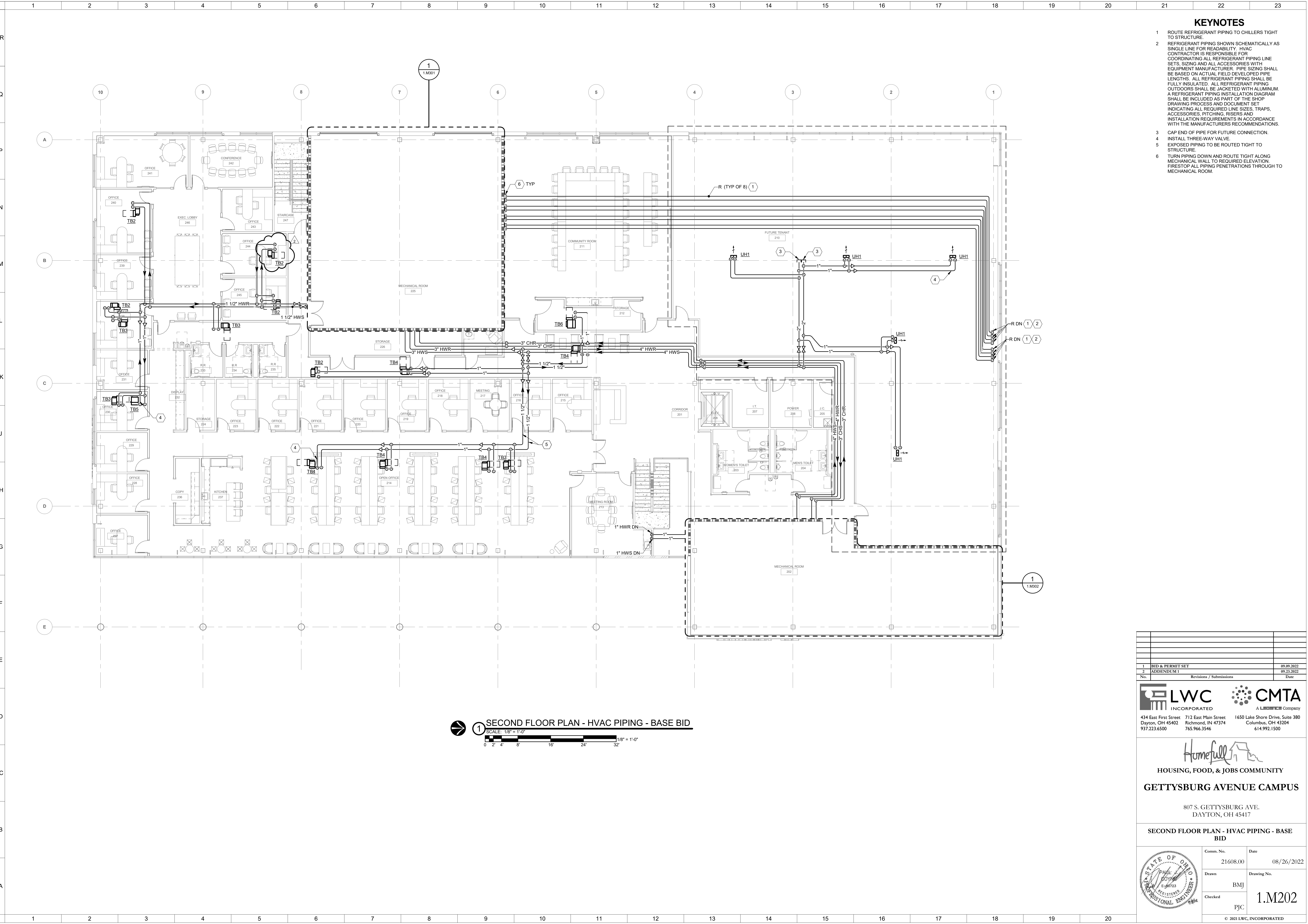
Comm. No.	Date
21608.00	08/26/2022
Drawn	Drawing No.
BMJ	1.M201
Checked	PJC

© 2021 LWC, INCORPORATED



9/12/2022 6:14:54 PM

C:\Users\poyne\Documents\OHFM21_Mech_R20_pcoy\MEV\BBV.rvt



KEYNOTES

- 1 ROUTE REFRIGERANT PIPING TO CHILLERS TIGHT TO STRUCTURE.
- 2 REFRIGERANT PIPING SHOWN SCHEMATICALLY AS SINGLE LINE FOR READABILITY. HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REFRIGERANT PIPING LINE SETS, SIZING AND ALL ACCESSORIES WITH EQUIPMENT MANUFACTURER. PIPE SIZING SHALL BE BASED ON ACTUAL FIELD DEVELOPED PIPE LENGTHS. ALL REFRIGERANT PIPING SHALL BE FULLY INSULATED. ALL REFRIGERANT PIPING OUTDOORS SHALL BE JACKETED WITH ALUMINUM. A REFRIGERANT PIPING INSTALLATION DIAGRAM SHALL BE INCLUDED AS PART OF THE SHOP DRAWING PROCESS AND DOCUMENT SET INDICATING ALL REQUIRED LINE SIZES, TRAPS, ACCESSORIES, PITCHING, RISERS AND INSTALLATION REQUIREMENTS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- 3 CAP END OF PIPE FOR FUTURE CONNECTION.
- 4 INSTALL THREE-WAY VALVE.
- 5 EXPOSED PIPING TO BE ROUTED TIGHT TO STRUCTURE.
- 6 TURN PIPING DOWN AND ROUTE TIGHT ALONG MECHANICAL WALL TO REQUIRED ELEVATION. FIRESTOP ALL PIPING PENETRATIONS THROUGH TO MECHANICAL ROOM.

1 SECOND FLOOR PLAN - HVAC PIPING - BASE BID
 SCALE: 1/8" = 1'-0"
 0 2 4 8 16 24 32 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED

CMTA A LWC Company

434 East First Street Dayton, OH 45402 937.223.6500 | 712 East Main Street Richmond, IN 47374 765.966.3546 | 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

Homefull

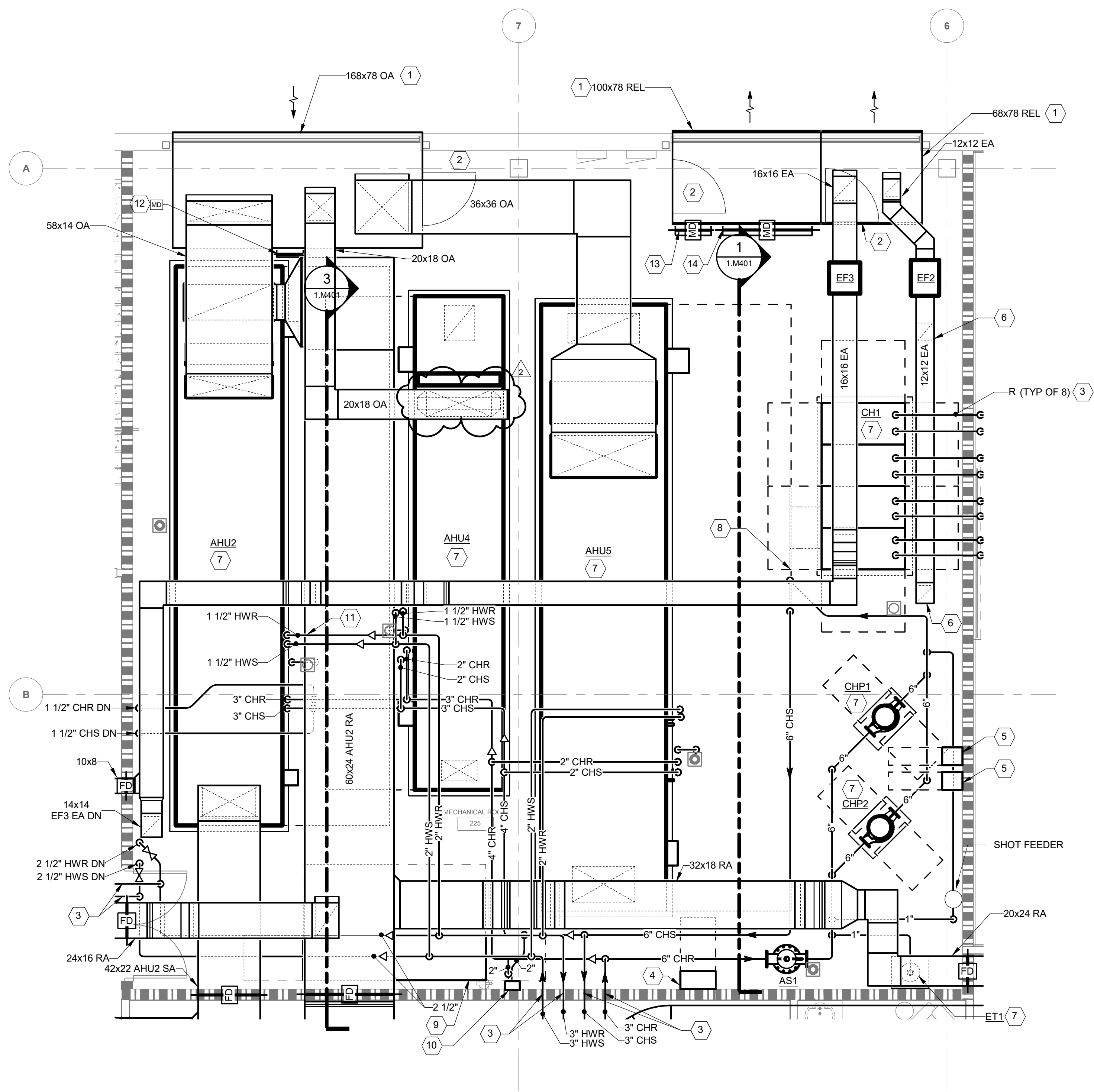
HOUSING, FOOD, & JOBS COMMUNITY

GETTYSBURG AVENUE CAMPUS

807 S. GETTYSBURG AVE.
DAYTON, OH 45417

SECOND FLOOR PLAN - HVAC PIPING - BASE BID	
Comm. No.	Date
21608.00	08/26/2022
Drawn	Drawing No.
BMJ	1.M202
Checked	PJC
© 2021 LWC, INCORPORATED	

9/20/2022 7:49:33 PM
C:\Users\Bjackson\Documents\OHFM21_Mech_R20L_bjackson\EUDXC.rvt



MECHANICAL ROOM 225 ENLARGED PLAN
 SCALE: 1/4" = 1'-0"
 0 1' 2' 4' 8' 12' 16'

KEYNOTES

- 1 SEE ARCHITECTURAL DRAWINGS FOR LOUVER DETAILS.
- 2 7' X 3' DOOR INTO PLENUM.
- 3 FIRESTOP ALL PIPING PENETRATIONS THROUGH RATED WALLS.
- 4 DDC CONTROL PANEL.
- 5 PUMP VFD.
- 6 ROUTE DUCT DOWN TO 12" AFF AND TERMINATE WITH WIRE MESH SCREEN.
- 7 EQUIPMENT TO BE INSTALLED ON 4" CONCRETE HOUSEKEEPING PAD REFER TO VIBRATION CONTROL SPEC FOR ADDITIONAL REQUIREMENTS.
- 8 6" CHS/R PIPING CONNECTIONS TO HEADERED PIPING BY CHILLING MANUFACTURER.
- 9 GROCERY REFRIGERANT EQUIPMENT BY OTHERS. SHOWN FOR COORDINATION ONLY.
- 10 CONNECT CHILLED WATER SUPPLY AND RETURN TO GROCERY REFRIGERANT EQUIPMENT CONDENSING UNIT/HEX BY OTHERS.
- 11 INSTALL THREE-WAY VALVE.
- 12 18"X18" MOTORIZED DAMPER INTERLOCKED TO EF2.
- 13 24"X24" MINIMUM RELIEF DAMPER INTERLOCKED WITH KITCHEN HOOD OPERATION.
- 14 60"X60" ECONOMIZER RELIEF DAMPER INTERLOCKED WITH AHUS.

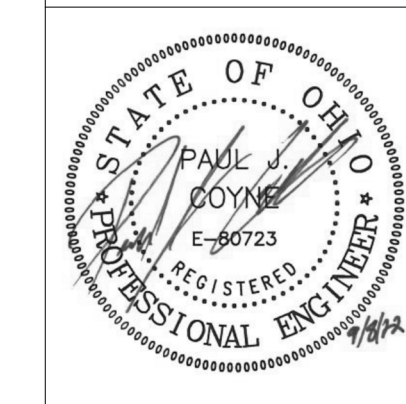
1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED **CMTA** A LWC Company
 434 East First Street 712 East Plain Street 1650 Lake Shore Drive, Suite 380
 Dayton, OH 45402 Richmond, IN 47374 Columbus, OH 43204
 937.223.6500 765.966.3546 614.992.1500

Homefull
HOUSING, FOOD, & JOBS COMMUNITY
GETTYSBURG AVENUE CAMPUS
 807 S. GETTYSBURG AVE.
 DAYTON, OH 45417

HVAC ENLARGED PLANS

Comm. No.	Date
21608.00	08/26/2022
Drawn	Drawing No.
BMJ	1.M301
Checked	PJC



9/21/2022 6:14:59 PM
C:\Users\poyne\Documents\OHFM21_Mech_R20_poyneE\B\V.rvt

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

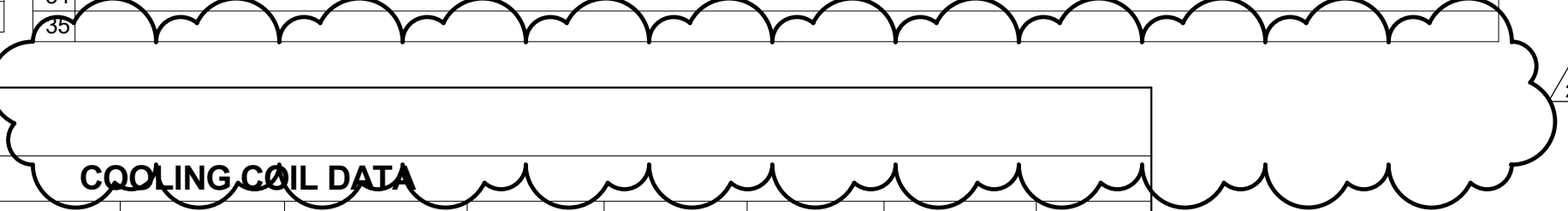
PROJECT SCHEDULE NOTES		
1	PROVIDE WITH DISCONNECT.	
2	PROVIDE WITH WALL MOUNTED THERMOSTAT.	
3	PROVIDE WITH HINGED BRACKET AND GREASE PAN KITS FOR SIDEWALL MOUNTING. UNIT TO HAVE FACTORY INSTALLED CLEAN-OUT PORT.	
4	PROVIDE ECM MOTOR WITH 0-10V CONTROL FOR VARIABLE SPEED OPERATION AND BALANCING.	
5	PROVIDE REFRIGERANT DETECTION AND DAMPERS.	
6	PROVIDE REMOTE DIAL CONTROL WITH AUTOMATIC OFF TIMER FOR MANUAL ON/OFF CONTROL.	
7	PROVIDE WITH INTEGRAL VFD/DISCONNECT.	
8	PROVIDE WITH ALL TRIM AND CONTROLS REQUIRED TO MAINTAIN SEQUENCE OF OPERATIONS.	
9	DIAPHRAGM TO BE HEAVY DUTY BUTYL.	

PROJECT SCHEDULE NOTES		
10	FLOOR INLET/OUTLET SHALL BE PROVIDED WITH A SAFETY GRATING BY MANUFACTURER.	
11	PROVIDE UNIT WITH ALL LOWLEAK DAMPERS REQUIRED BY SEQUENCE.	
12	PROVIDE AVERAGING SENSORS LOCATED IN EACH SPACE SERVED BY UNIT.	
13	PROVIDE WITH NON-FUSED DISCONNECT BY MANUFACTURER.	
14	PROVIDE OFF/AUTO LINE VOLTAGE STAT TO CONTROL MULTIPLE HEATERS IN SHELLD AREA.	
15	ONE ACCU DUAL CIRCUITED TO EACH MODULE. VALUES SCHEDULED ARE FOR SINGLE ACCU.	
16	DIFFUSER COLOR TO BE DETERMINED BY ARCHITECT.	
17	REFER TO CEILING PLAN FOR GRILLE/DIFFUSERS FRAME TYPE.	
18	AIR DEVICE ABOVE DRY WALL CEILINGS SHALL BE PROVIDED WITH A REMOTE BALANCING DAMPER.	
19	PROVIDE WITH ACID NEUTRALIZATION KIT.	

PROJECT SCHEDULE NOTES		
20	VENT SHALL BE AL29-4C OR EQUIVALENT FOR CONDENSING FLUE GASES.	
21	RELIEF VALVE TO BE PROVIDED BY MANUFACTURER.	
22	PROVIDE WITH INLET FAN GUARD.	
23	CHILLER CONSISTS OF FOUR 46-TON MODULES. EACH WITH TWO VARIABLE SPEED COMPRESSORS, OPERATING AS SINGLE CHILLER. VALUES SCHEDULED ARE THE COMBINED TOTAL OF ALL FOUR MODULES.	
24	CHILLER MODULES TO BE PROVIDED WITH SINGLE POINT POWER. ONE DISCONNECT FOR ENTIRE CHILLER AND INDIVIDUAL ISOLATION SWITCHES FOR EACH MODULE PROVIDED BY MANUFACTURER.	
25	SUPPLY AND RETURN FAN ARRAYS TO BE PROVIDED WITH SEPARATE VFD/ECM MOTOR CONTROLLER WIRED TO ARRAY FOR SINGLE POINT POWER CONNECTION.	
26	PROVIDE DEVICE WITH AIR SCOOP ACCESSORY FOR BALANCING.	

PROJECT SCHEDULE NOTES		
27	INCLUDED WITH ALTERNATE BID ONLY.	
28	ROVIDE WITH INTEGRAL PATTERN CONTROLLER ADJUSTABLE THROUGH FACE OF DEVICE.	
29	PROVIDE WITH INSULATED PLENUM BOX BY MANUFACTURER.	
30	TYPE I HOOD TO BE PROVIDED WITH SIDE UTILITY CABINET WITH ANSUL SYSTEM AND FACTORY WIRED.	
31	PROVIDE HOOD WITH EXTERNAL SUPPLY PLENUM. ALL SUPPLY AND EXHAUST CONNECTION ARE TO BE PROVIDED WITH FACTORY MOUNTED COLLARS.	
32		
33		
34		
35		

AIR HANDLING UNIT SCHEDULE (CHILLED WATER / HEATING HOT WATER) (PART 1 OF 2)																																					
UNIT DATA				BASIS OF DESIGN				SUPPLY FAN DATA										RETURN / RELIEF FAN DATA																			
TAG	LOCATION	FUNCTION	MANUFACTURER	MODEL	TOTAL AIRFLOW (CFM)	MIN OA (CFM)	ESP (IN WG)	TSP (IN WG)	FAN TYPE	# OF FANS	HP (EACH)	BHP (EACH)	VOLTS	PHASE	VFD	TOTAL AIRFLOW (CFM)	ESP (IN WG)	TSP (IN WG)	FAN TYPE	# OF FANS	HP (EACH)	BHP (EACH)	VOLTS	PHASE	VFD	FLUID TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	FLOW (GPM)	EWT (°F)	LWT (°F)	MAX WPD (FT HD)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	ROWS
AHJ1	MECHANICAL 202	FOOD HUB	DAIKIN	CAH09GDCM	2,400	550	1.50	4.00	DIRECT ECM	2	2.50	1.65	460	3	Yes	2,400	0.50	1.11	DIRECT ECM	2	2.50	0.64	460	3	Yes	WATER	107.1	77.4	13.2	42.0	58.0	3.00	79.5	65.5	51.2	50.9	8
AHJ2	MECHANICAL 225	2ND FLOOR OFFICE	DAIKIN	CAH043GDCM	16,000	2,500	2.00	4.48	DIRECT ECM	6	4.40	2.70	460	3	Yes	16,000	1.00	1.25	DIRECT ECM	4	4.40	1.79	460	3	Yes	WATER	597.0	455.7	74.0	42.0	58.2	7.60	77.4	63.8	51.4	50.8	10
AHJ3	MECHANICAL 202	TENANT SPACE (FUTURE)	DAIKIN	CAH013GDCM	5,600	1,700	2.00	4.83	DIRECT ECM	1	11.60	7.22	460	3	Yes	5,600	1.00	1.10	DIRECT ECM	1	4.00	2.02	460	3	Yes	WATER	242.5	174.7	30.0	42.0	58.3	6.00	79.6	65.6	51.1	50.9	8
AHJ4	MECHANICAL 225	1ST FLOOR CLINIC	DAIKIN	CAH09GDCM	4,000	700	2.00	5.11	DIRECT ECM	2	4.40	2.53	460	3	Yes	4,000	1.00	1.18	DIRECT ECM	2	2.50	0.76	460	3	Yes	WATER	210.0	142.3	26.0	42.0	58.2	9.90	82.2	67.6	51.2	51.0	8
AHJ5	MECHANICAL 225	GROCERY	DAIKIN	CAH018GDCM	8,000	2,250	2.00	5.07	DIRECT ECM	4	5.20	2.62	460	3	Yes	8,000	0.50	0.62	DIRECT ECM	2	2.50	1.71	460	3	Yes	WATER	349.8	250.7	43.0	42.0	58.3	5.00	79.7	65.7	51.0	50.8	10



AIR HANDLING UNIT SCHEDULE (CHILLED WATER / HEATING HOT WATER) (PART 2 OF 2)																											
HEATING COIL DATA				FILTER DATA				GENERAL DATA																			
TAG	HEATING AIRFLOW (CFM)	TOTAL CAPACITY (MBH)	FLOW (GPM)	EWT (°F)	LWT (°F)	MAX WPD (FT HD)	EAT DB (°F)	LAT DB (°F)	ROWS	IFB	MERV	APD CLEAN (IN WG)	APD DIRTY (IN WG)	MERV	APD CLEAN (IN WG)	APD DIRTY (IN WG)	REDUNDANT	EMERGENCY POWER	WEIGHT (LBS)	SCHEDULE NOTES							
AHJ1	1,200	21.2	1.8	160.0	130.0	0.53	35.8	55.0	2	Yes	8	0.11	0.55	13	0.10	0.55	No	No	4,500	10, 11, 25							
AHJ2	5,500	95.6	8.3	160.0	130.0	0.46	35.9	55.0	2	Yes	8	0.14	0.57	13	0.14	0.57	No	No	12,000	11, 25							
AHJ3	2,800	83.3	7.2	160.0	130.0	0.62	24.5	55.0	2	Yes	8	0.20	0.60	13	0.19	0.60	No	No	5,500	11, 25							
AHJ4	1,750	22.7	2.0	160.0	130.0	0.48	40.0	55.0	2	Yes	8	0.22	0.61	13	0.22	0.61	No	No	4,500	10, 11, 25							
AHJ5	3,800	108.4	9.4	160.0	130.0	0.41	25.6	55.0	2	Yes	8	0.17	0.58	13	0.17	0.58	No	No	6,800	10, 11, 25							

FAN COIL SCHEDULE																																	
UNIT DATA				BASIS OF DESIGN				FAN DATA										COOLING COIL DATA															
TAG	LOCATION	FUNCTION	TYPE	INLET TYPE	OUTLET TYPE	MANUFACTURER	MODEL	TOTAL AIRFLOW (CFM)	MIN OA (CFM)	ESP (IN WG)	DRIVE TYPE	# OF FANS	HP (EACH)	BHP (EACH)	VOLTS	PHASE	EMERGENCY POWER	FLUID TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	FLOW (GPM)	EWT (°F)	LWT (°F)	MAX WPD (FT HD)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	ROWS	FILTER (MERV)	REDUNDANT	WEIGHT (LBS)	SCHEDULE NOTES
FC1	MECHANICAL 202	ELECTRICAL ROOMS	VERTICAL	BOTTOM BACK RETURN	TOP DISCHARGE	DAIKIN	BCVD0401	1,480	0	0.40	DIRECT	1	5.00	0.28	208	1	Yes	WATER	53.0	39.8	6.6	42.0	58.0	0.55	75.0	63.0	50.4	50.4	8	8	No	473	12
FC2	MECHANICAL 202	IT ROOMS	VERTICAL	BOTTOM BACK RETURN	TOP DISCHARGE	DAIKIN	BCAD0161	1,200	0	0.40	DIRECT	2	0.75	0.34	208	1	Yes	WATER	35.1	27.0	4.4	42.0	58.0	1.81	75.0	63.0	54.4	52.9	6	8	No	220	12

FAN SCHEDULE																											
UNIT DATA				BASIS OF DESIGN				PERFORMANCE DATA				MOTOR DATA				GENERAL DATA											
TAG	LOCATION	FUNCTION	MANUFACTURER	MODEL	FAN TYPE	FLOW (CFM)	ESP (IN WG)	DRIVE TYPE	SOUND RATING (SONES)	HP	BHP	VOLTS	PHASE	VFD	EMERGENCY POWER	DAMPER TYPE	REDUNDANT	GREASE RATED	SMOKE RATED	WEIGHT (LBS)	SCHEDULE NOTES						
EF1	MECHANICAL 202	GENERAL EXHAUST	GREENHECK	SQ-130HP-VG	CENTRIFUGAL INLINE	875	1.00	DIRECT	11.8	0.75	0.32	115	1	No	No	BACK DRAFT	No	No	No	80	4						
EF2	MECHANICAL 225	EMERGENCY EXHAUST	GREENHECK	SQ-120-VG	CENTRIFUGAL INLINE	1,200	0.25	DIRECT	7.8	0.50	0.16	115	1	No	Yes	BACK DRAFT	No	No	No	75	4, 5						
EF3	MECHANICAL 225	GENERAL EXHAUST	GREENHECK	SQ-130-VG	CENTRIFUGAL INLINE	1,535	1.00	DIRECT	12.6	0.75	0.46	115	1	No	No	BACK DRAFT	No	No	No	75	4						
EF4	MECHANICAL 202	VENTILATION	GREENHECK	SQ-160-VG	CENTRIFUGAL INLINE	4,000	0.25	DIRECT	18.4	2.00	0.97	208	3	No	No	BACK DRAFT	No	No	No	175	4, 22						
EF5	MECHANICAL 202	ELEVATOR EXHAUST	GREENHECK	SQ-98-VG	CENTRIFUGAL INLINE	300	0.75	DIRECT	10.9	0.25	0.14	115	1	No	No	BACK DRAFT	No	No	60	4							
EF6	COMMUNITY ROOM 211	GENERAL EXHAUST	GREENHECK	SQ-80-VG	CENTRIFUGAL INLINE	300	0.25	DIRECT	6.4	0.10	0.04	115	1	No	No	BACK DRAFT	No	No	60	4, 6							
EF7	DELI 131	KITCHEN EXHAUST	GREENHECK	CUBE-200-20	UPBLAST CENTRIFUGAL WALL	4,400	0.75	BELT	17.4	2.00	1.29	208	3	No	No	NONE	No	Yes	Yes	220	3						
EF8	DELI 131	KITCHEN EXHAUST	GREENHECK	CUBE-120-3	UPBLAST CENTRIFUGAL WALL	1,000	0.50	BLET	9.9	0.33	0.21	115	1	No	No	NONE	No	Yes	Yes	95	3						

UNIT HEATER SCHEDULE (HEATING HOT WATER)																											
UNIT DATA				BASIS OF DESIGN				PERFORMANCE DATA										MOTOR DATA									
TAG	TYPE	MANUFACTURER	MODEL	AIRFLOW (CFM)	CAPACITY (MBH)	EAT DB (°F)	LAT DB (°F)	FLOW (GPM)	EWT (°F)	LWT (°F)	WPD (FT HD)	THROW (FT)	HP	VOLTS	PHASE	EMERGENCY POWER	SCHEDULE NOTES										
UH1	HORIZONTAL	VULCAN	HV-48	630	20.1	60.0	111.0	2.1	160.0	130.0	0.07	30	0.05	120	1	No	13, 14										

CABINET UNIT HEATER SCHEDULE (HEATING HOT WATER)																											
UNIT DATA				BASIS OF DESIGN				PERFORMANCE DATA										MOTOR DATA									
TAG	TYPE	INLET TYPE	OUTLET TYPE	MANUFACTURER	MODEL	AIRFLOW (CFM)	CAPACITY (MBH)	EAT DB (°F)	LAT DB (°F)	FLOW (GPM)	EWT (°F)	LWT (°F)	WPD (FT HD)	HP	VOLTS	PHASE	EMERGENCY POWER	SCHEDULE NOTES									
CUH1	FLOOR INVERTED	TOP RETURN	BOTTOM FRONT DISCHARGE	VULCAN	FI-1040-04	420	29.80	60.0	125.4	2.0	160.0	130.0	0.49	0.10	120	1	No	1, 2									
CUH2	CEILING RECESSED	BOTTOM RETURN	BOTTOM DISCHARGE	VULCAN	RC-1200-04	420	29.80	60.0	125.4	2.0	160.0	130.0	0.49	0.10	120	1	No	1, 2									
CUH3	CEILING RECESSED	BOTTOM RETURN	BOTTOM DISCHARGE	VULCAN	RC-1200-03	335	14.70	60.0	100.4	1.0	160.0	130.0	0.10	0.10	120	1	No	1, 2									

TERMINAL BOX SCHEDULE (HEATING HOT WATER REHEAT) BY TYPE																											
UNIT DATA				BASIS OF DESIGN				COOLING AIRFLOW DATA										HEATING DATA (BASED ON 65% OF MAX COOLING AIRFLOW RANGE)									
TAG	NECK SIZE	MANUFACTURER	MODEL	MIN CFM	MAX CFM	MAX APD (IN WG)	CAPACITY (MBH)	FLOW (GPM)	EWT (°F)	LWT (°F)	MAX WPD (FT HD)	EAT DB (°F)	LAT DB (°F)	ROWS	SCHEDULE NOTES												
TB0	4	PRICE	SDV4	50	80	0.10	10.50	0.7	160.0	160.0	0.09	55.0	102.4	2													
TB1	4	PRICE	SDV4	50	80	0.10	10.50	0.7	160.0	160.0	0.09	55.0	102.4	2													
TB2	8	PRICE	SDV8	301	600	0.35	18.20	1.2	160.0	130.0	0.31	55.0	97.8	2													
TB3	10	PRICE	SDV10	601	900	0.38	27.10	1.9	160.0	130.0	0.82	55.0	97.7	2													
TB4	12	PRICE	SDV12	901	1500	0.52	42.10	2.9	160.0	130.0	2.21	55.0	94.8	2													
TB5	14	PRICE	SDV14	1501	1800	0.40	56.10	3.8	160.0	130.0	1.66	55.0	99.3	2													
TB6	16	PRICE	SDV16	1801	2800	0.57	79.50	5.4	160.0	130.0	3.30	55.0	95.3	2													

AIR DEVICE SCHEDULE																											
UNIT DATA				BASIS OF DESIGN				LINEAR DATA				GENERAL DATA															
TAG	FUNCTION	MANUFACTURER	MODEL	FACE SIZE	LENGTH (IN)	# OF SLOTS	SLOT WIDTH (IN)	MATERIAL	INTEGRAL VOLUME	MAX NC	SCHEDULE NOTES																
S1	SUPPLY	PRICE	ASPD	24" X 24"				ALUMINUM	No	20	16, 17, 18																
S2	SUPPLY	PRICE	620L	NECK SIZE + 1.75"				ALUMINUM	Yes	20	16, 17, 18																
S3	SUPPLY	PRICE	SDG	12" X 6"				ALUMINUM	No	20	16, 17, 18, 26, 28																
S4	SUPPLY	PRICE	SDG	12" X 6"				ALUMINUM	No	20	16, 17, 18, 26, 28																
S5	SUPPLY	PRICE	SOS150	15"	1.48	2	1.15	ALUMINUM	No	20	16, 17, 18, 28, 29																
S6	SUPPLY	PRICE	620L	NECK SIZE + 1.75"				ALUMINUM	Yes	20	16, 17, 18																
S7	SUPPLY	PRICE	PDS	24" X 48"				ALUMINUM	No	20	16, 17, 18																
S8	SUPPLY	PRICE	ASPD	12" X 12"				ALUMINUM	No	20	16, 17, 18																
R1	RETURN</																										

9/26/2022 7:50:00 PM
C:\Users\Bjackson\Documents\OHFM21_Mech_R2L_Bjackson\UDXC.rvt

PROJECT SCHEDULE NOTES

- 1) PROVIDE WITH DISCONNECT.
- 2) PROVIDE WITH WALL MOUNTED THERMOSTAT.
- 3) PROVIDE WITH HINGED BRACKET AND GREASE PAN KITS FOR SIDEWALL MOUNTING. UNIT TO HAVE FACTORY INSTALLED CLEAN-OUT PORT.
- 4) PROVIDE ECM MOTOR WITH 0-10V CONTROL FOR VARIABLE SPEED OPERATION AND BALANCING.
- 5) PROVIDE REFRIGERANT DETECTION AND DAMPERS.
- 6) PROVIDE REMOTE DIAL CONTROL WITH AUTOMATIC OFF TIMER FOR MANUAL ON/OFF CONTROL.
- 7) PROVIDE WITH INTEGRAL VFD/DISCONNECT.
- 8) PROVIDE WITH ALL TRIM AND CONTROLS REQUIRED TO MAINTAIN SEQUENCE OF OPERATIONS.
- 9) DIAPHRAGM TO BE HEAVY DUTY BUTYL.

PROJECT SCHEDULE NOTES

- 10) FLOOR INLET/OUTLET SHALL BE PROVIDED WITH A SAFETY GRATING BY MANUFACTURER.
- 11) PROVIDE UNIT WITH ALL LOWLEAK DAMPERS REQUIRED BY SEQUENCE.
- 12) PROVIDE AVERAGING SENSORS LOCATED IN EACH SPACE SERVED BY UNIT.
- 13) PROVIDE WITH NON-FUSED DISCONNECT BY MANUFACTURER.
- 14) PROVIDE OFF/AUTO LINE VOLTAGE STAT TO CONTROL MULTIPLE HEATERS IN SHELLLED AREA.
- 15) ONE ACCU DUAL CIRCUITED TO EACH MODULE. VALUES SCHEDULED ARE FOR SINGLE ACCU.
- 16) DIFFUSER COLOR TO BE DETERMINED BY ARCHITECT.
- 17) REFER TO CEILING PLAN FOR GRILLE/DIFFUSERS FRAME TYPE.
- 18) AIR DEVICE ABOVE DRY WALL CEILINGS SHALL BE PROVIDED WITH A REMOTE BALANCING DAMPER.
- 19) PROVIDE WITH ACID NEUTRALIZATION KIT.

PROJECT SCHEDULE NOTES

- 20) VENT SHALL BE AL29-4C OR EQUIVALENT FOR CONDENSING FLUE GASES.
- 21) RELIEF VALVE TO BE PROVIDED BY MANUFACTURER.
- 22) PROVIDE WITH INLET FAN GUARD.
- 23) CHILLER CONSISTS OF FOUR 40-TON MODULES, EACH WITH TWO VARIABLE SPEED COMPRESSORS, OPERATING AS SINGLE CHILLER. VALUES SCHEDULED ARE THE COMBINED TOTAL OF ALL FOUR MODULES.
- 24) CHILLER MODULES TO BE PROVIDED WITH SINGLE POINT POWER, ONE DISCONNECT FOR ENTIRE CHILLER AND INDIVIDUAL ISOLATION SWITCHES FOR EACH MODULE PROVIDED BY MANUFACTURER.
- 25) SUPPLY AND RETURN FAN ARRAYS TO BE PROVIDED WITH SEPARATE VFD/ECM MOTOR CONTROLLER WIRED TO ARRAY FOR SINGLE POINT POWER CONNECTION.
- 26) PROVIDE DEVICE WITH AIR SCOOP ACCESSORY FOR BALANCING.

PROJECT SCHEDULE NOTES

- 27) INCLUDED WITH ALTERNATE BID ONLY.
- 28) PROVIDE WITH INTEGRAL PATTERN CONTROLLER ADJUSTABLE THROUGH FACE OF DEVICE.
- 29) PROVIDE WITH INSULATED PLENUM BOX BY MANUFACTURER.
- 30) TYPE I HOOD TO BE PROVIDED WITH SIDE UTILITY CABINET WITH ANSUL SYSTEM AND FACTORY WIRED.
- 31) PROVIDE HOOD WITH EXTERNAL SUPPLY PLENUM. ALL SUPPLY AND EXHAUST CONNECTION ARE TO BE PROVIDED WITH FACTORY MOUNTED COLLARS.

UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA								NATURAL GAS DATA				MOTOR DATA			GENERAL DATA		SCHEDULE NOTES			
TAG	LOCATION	FUNCTION	MANUFACTURER	MODEL	TYPE	FUEL	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	DESIGN CONDITION EFF (%)	FLOW (GPM)	MIN FLOW (GPM)	EWT (°F)	LWT (°F)	WPD (FT HD)	RELIEF PRESSURE (PSI)	TURNDOWN RATIO	INLET PRESSURE RANGE (IN WG)	VOLTS	PHASE	VFD		EMERGENCY POWER	REDUNDANT	WEIGHT (LBS)
B1	MECHANICAL 223	HEATING HOT WATER	THERMAL SOLUTIONS	AMP-1000	CONDENSING	NATURAL GAS	1,000.0	970.0	97	65.0	35.0	130.0	160.0	5.20	75	5.1	4-14	208	1	Yes	No	Yes	1,020	8, 19, 20, 21
B2	MECHANICAL 223	HEATING HOT WATER	THERMAL SOLUTIONS	AMP-1000	CONDENSING	NATURAL GAS	1,000.0	970.0	97	65.0	35.0	130.0	160.0	5.20	75	5.1	4-14	208	1	Yes	No	Yes	1,020	8, 19, 20, 21

UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA				COMPRESSOR DATA				EVAPORATOR DATA				ELECTRICAL DATA				GENERAL DATA		SCHEDULE NOTES					
TAG	LOCATION	FUNCTION	MANUFACTURER	MODEL	CAPACITY (TONS)	AMBIENT (°F)	FULL LOAD (EER)	NPLV (EER)	REFRIG. TYPE	TYPE	# OF COMPR	# OF CIRCUITS	FLUID TYPE	FLOW (GPM)	MIN FLOW (GPM)	EWT (°F)	LWT (°F)	WPD (FT HD)	MCA	MOCP	VOLTS		PHASE	EMERGENCY POWER	REDUNDANT	LOW AMBIENT (°F)	WEIGHT (LBS)
CH1	MECHANICAL 225	CHILLED WATER	MULTISTACK	(4) x MSA40VNHCO	160.0	95.0	24.31		R410A	SCROLL	8	8	WATER	240.0	60.0	58.0	42.0	6.00	250	300	460	3	Yes	No	0.0	6,000	23

UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA				CONDENSER DATA				ELECTRICAL DATA				GENERAL DATA		SCHEDULE NOTES			
TAG	LOCATION	FUNCTION	MANUFACTURER	MODEL	ACTUAL CAPACITY (TONS)	LOW AMBIENT (°F)	SUMMER AMBIENT (°F)	WINTER AMBIENT (°F)	EER	REFRIG. TYPE	MOTOR TYPE	# OF FANS	HP (EACH)	MCA	MOCP	VOLTS	PHASE		EMERGENCY POWER	REDUNDANT	WEIGHT (LBS)
ACCU1	MECH YARD	CH1	MULTISTACK	HNH-D04-A021	40.0	-5	95	0	10.4	410A	VERTICAL	4	1.5	20	15	460	3	Yes	No	1,250	13, 15

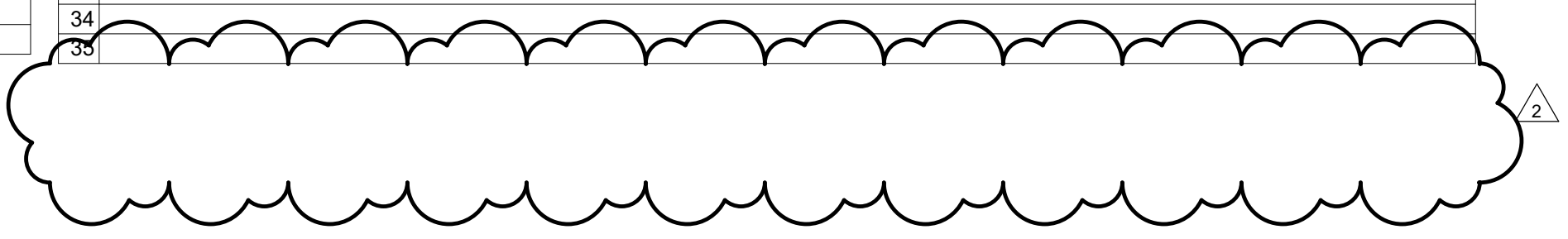
UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA				MOTOR DATA								GENERAL DATA		SCHEDULE NOTES			
TAG	LOCATION	FUNCTION	MANUFACTURER	MODEL	PUMP TYPE	FLUID TYPE	FLOW (GPM)	EXT WPD (FT HD)	EFF (%)	IMPELLER DIA (IN)	HP	BHP	RPM	VOLTS	PHASE	VFD	EMERGENCY POWER		REDUNDANT	WEIGHT (LBS)	
CHP1	MECHANICAL 223	CHILLED WATER	GRUNDFOS	30957 VL	INLINE	WATER	260.0	70.16	70.1	8.73	7.50	5.54	1800	460	3	Yes	Yes	Yes	Yes	280	7
CHP2	MECHANICAL 223	CHILLED WATER	GRUNDFOS	30957 VL	INLINE	WATER	260.0	70.16	70.1	8.73	7.50	5.54	1800	460	3	Yes	Yes	Yes	Yes	280	7
HWP1	MECHANICAL 223	HEATING HOT WATER	GRUNDFOS	20959 VL	INLINE	WATER	125.0	60.06	62.59	8.1	5.00	3.03	1800	460	3	Yes	No	Yes	Yes	280	7
HWP2	MECHANICAL 223	HEATING HOT WATER	GRUNDFOS	20959 VL	INLINE	WATER	125.0	60.06	62.59	8.1	5.00	3.03	1800	460	3	Yes	No	Yes	Yes	280	7

UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA				GENERAL DATA		SCHEDULE NOTES
TAG	FUNCTION	MANUFACTURER	MODEL	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	AIR PRECHARGE (PSIG)	TOTAL SYSTEM VOLUME (GAL)	WEIGHT (LBS)		
ET1	CHILLED WATER	ARMSTRONG	AX-15	8	6.3	12	700	42	9	
ET2	HEATING HOT WATER	ARMSTRONG	AX-60	35	28	12	700	100	9	

UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA				GENERAL DATA		SCHEDULE NOTES
TAG	FUNCTION	TYPE	MANUFACTURER	MODEL	MAX FLOW CAPACITY (GPM)	CONNECTION SIZE (IN)	WPD (FT HD)	WEIGHT (LBS)		
AS1	CHILLED WATER	AIR & DIRT SEPARATOR	ARMSTRONG	DAS-6-R	570	6	1.60	550		
AS2	HEATING HOT WATER	AIR & DIRT SEPARATOR	ARMSTRONG	DAS-4-R	225	4	2.00	310		

UNIT DATA		BASIS OF DESIGN		PERFORMANCE DATA		GENERAL DATA		SCHEDULE NOTES				
TAG	MANUFACTURER	MODEL	LOCATION	HOOD LENGTH (IN)	AIRFLOW (CFM)	WEIGHT (LBS)	VOLTS					
KH1	GREENHECK	GHEW	DELI 131	SINGLE WALL CANOPY	179	4,100	208	3	8.25	15	30, 31	
KH2	GREENHECK	GHEW	DELI 131	SINGLE WALL CANOPY	60	1,000	180	115	1	9.00	15	30, 31

UNIT DATA		BASIS OF DESIGN		FAN DATA								COOLING COIL DATA								HEATING COIL DATA				GENERAL DATA		SCHEDULE NOTES										
TAG	LOCATION	MANUFACTURER	MODEL	TOTAL AIRFLOW (CFM)	ESP (IN WG)	DRIVE TYPE	# OF FANS	HP (EACH)	BHP (EACH)	VOLTS	PHASE	EMERGENCY POWER	FLUID TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	FLOW (GPM)	EWT (°F)	LWT (°F)	MAX WPD (FT HD)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	ROWS	HEATING AIRFLOW (CFM)		TOTAL CAPACITY (MBH)	FLOW (GPM)	EWT (°F)	LWT (°F)	MAX WPD (FT HD)	EAT DB (°F)	LAT DB (°F)	ROWS	FILTER (MERV)	REDUNDANT
MAU1	DELI	DAIKIN APPLIED	BC	4,000	1.50		1	5.00	2.64	208	3	No	WATER	103.4	84.2	12.9	42.0	58.0	3.53	90.1	73.7	70.8	66.8	2	4000 CFM	394	27.00	160 °F	130 °F	15.92 psi	-5 °F	70 °F	2	13	No	738



1	BID & PERMIT SET	09.09.2022
2	ADDENDUM 1	09.23.2022
No.	Revisions / Submissions	Date

LWC INCORPORATED
434 East First Street Dayton, OH 45402 937.223.6500

CMTA
712 East Main Street Richmond, IN 47374 765.966.3546

ALUMINUM COMPANY
1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500

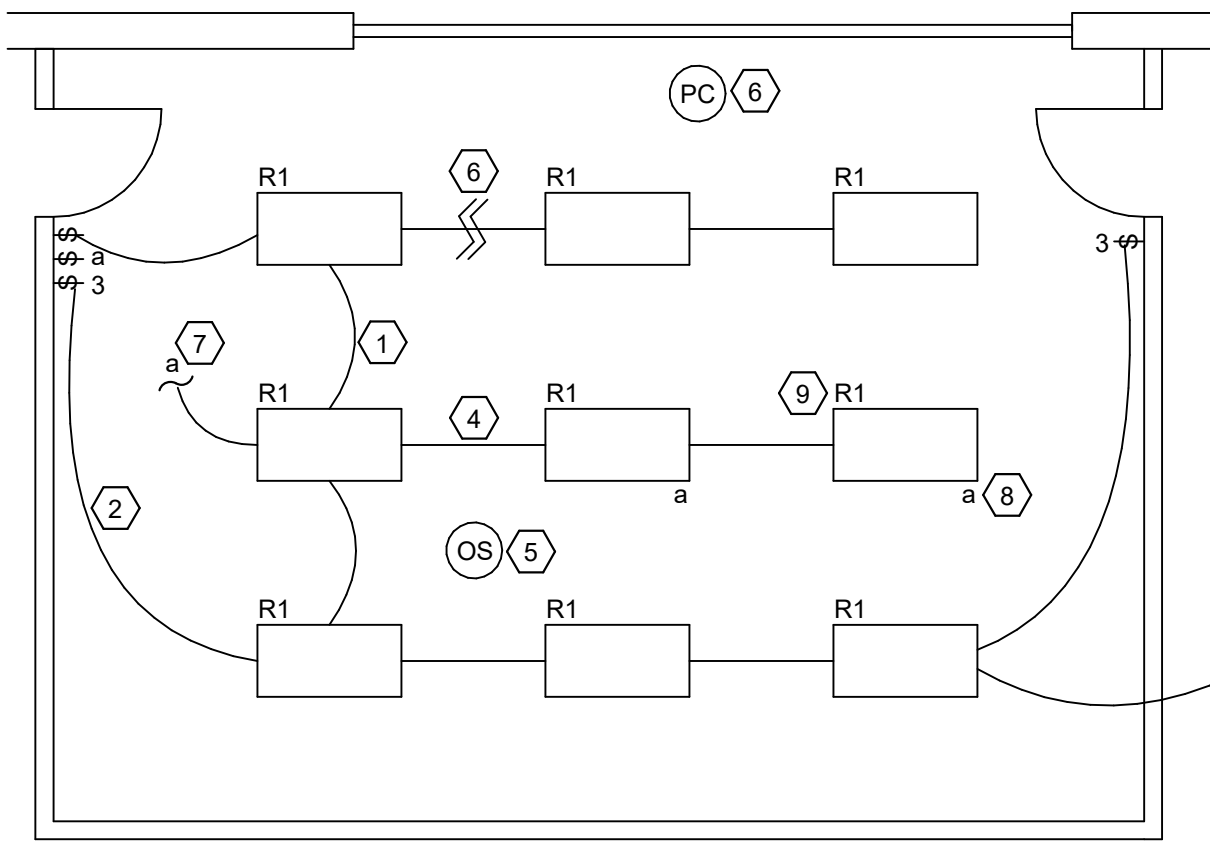
Homefull
HOUSING, FOOD, & JOBS COMMUNITY

GETTYSBURG AVENUE CAMPUS
807 S. GETTYSBURG AVE.
DAYTON, OH 45417

HVAC SCHEDULES

Comm. No.	21608.00	Date	08/26/2022
Drawn	BMJ	Drawing No.	1.M702
Checked	PJC		

© 2021 LWC, INCORPORATED



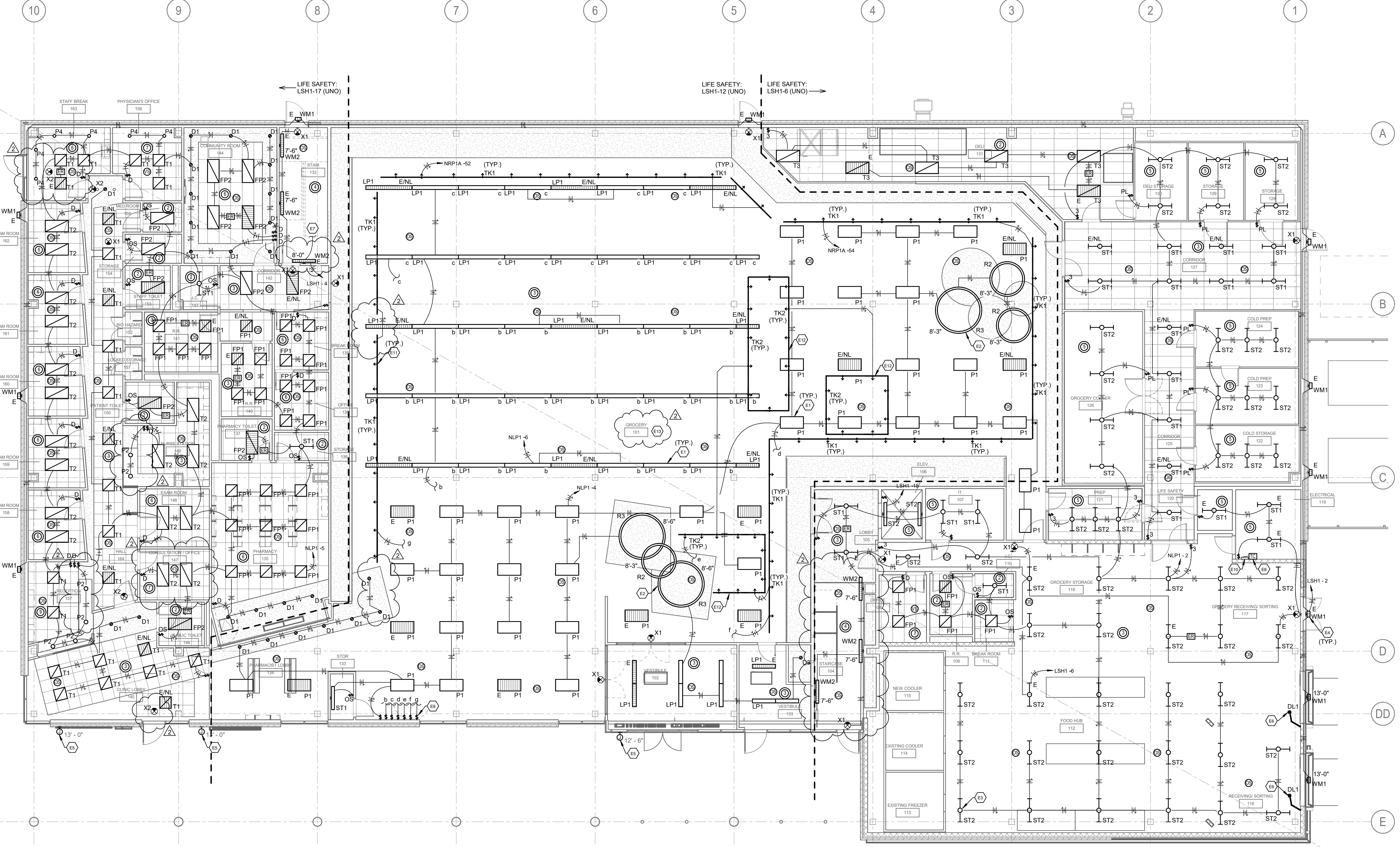
A LIGHTING SWITCHING DETAIL
SCALE: NONE

- NOTES:**
1. CIRCUIT ARC INDICATES CONTINUATION OF THE LIGHTING CIRCUIT TO A DIFFERENTLY SWITCHED ZONE. (FIXTURE TO FIXTURE, TYP.)
 2. SWITCH ARC INDICATES A PARTICULAR SWITCH TO A CONTROLLED ZONE. (SWITCH TO FIXTURE, TYP.)
 3. CIRCUIT ARC TO ANOTHER LOCATION INDICATES A CONTINUATION OF THE LIGHTING CIRCUIT TO ANOTHER AREA AS SHOWN ON THE DRAWINGS.
 4. STRAIGHT LINE IS SWITCHED CIRCUITING INDICATES A SINGULAR CONTROLLED ZONE.
 5. OCCUPANCY SENSOR: SENSOR SHALL CONTROL ALL LOCAL AREA LIGHTING UNLESS OTHERWISE NOTED. REFER TO THE OCCUPANCY SENSOR DETAIL FOR FURTHER INFORMATION.
 6. PHOTOCELL SENSOR: SENSOR SHALL CONTROL LIGHTING DEVICES AFTER THE INDICATED BREAK. REFER TO PHOTOCELL WIRING DETAIL FOR FURTHER INFORMATION.
 7. CONTROLLED ZONE TO SWITCH "X" AS NOTED.
 8. SWITCH TAG INDICATES CONTROLLED ZONE TAG TO SWITCH "X" AS NOTED.
 9. LIGHT FIXTURE TAG.

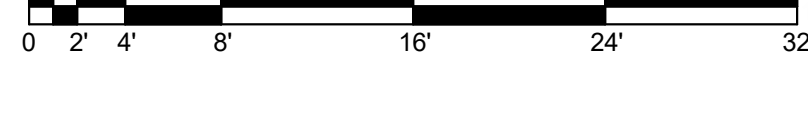
- GENERAL NOTES (LIGHTING):**
- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3) AND UPSIDE CONDUIT AS REQUIRED PER N.E.C. #500.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
 - D. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
 - E. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
 - F. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
 - G. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
 - H. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIF HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
 - I. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

SHEET 1.E101 KEYNOTES

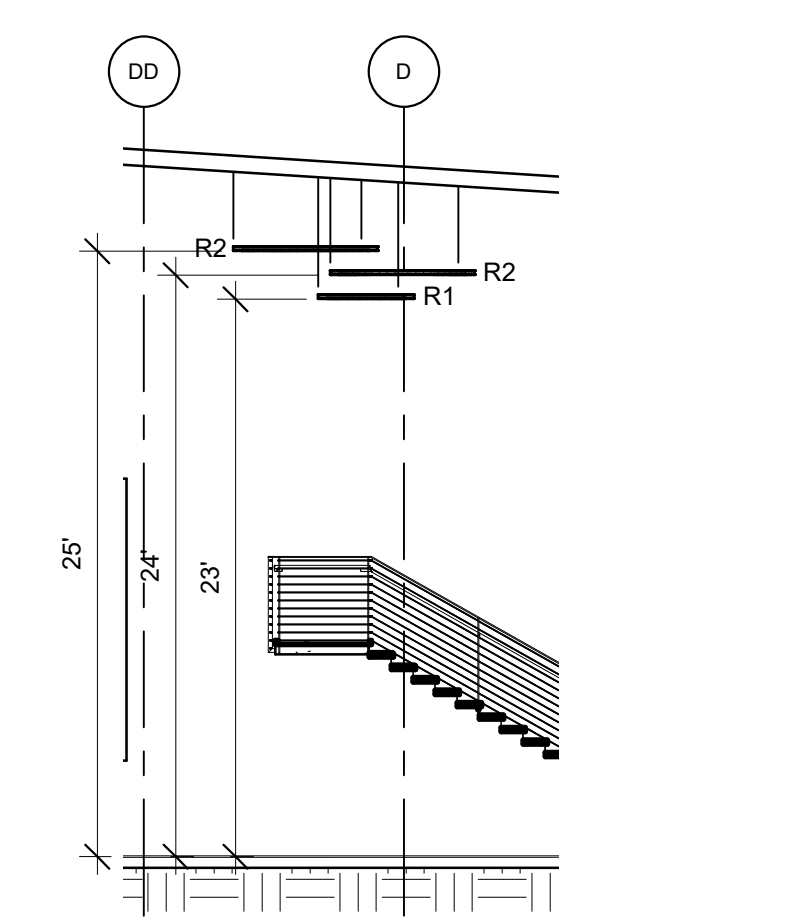
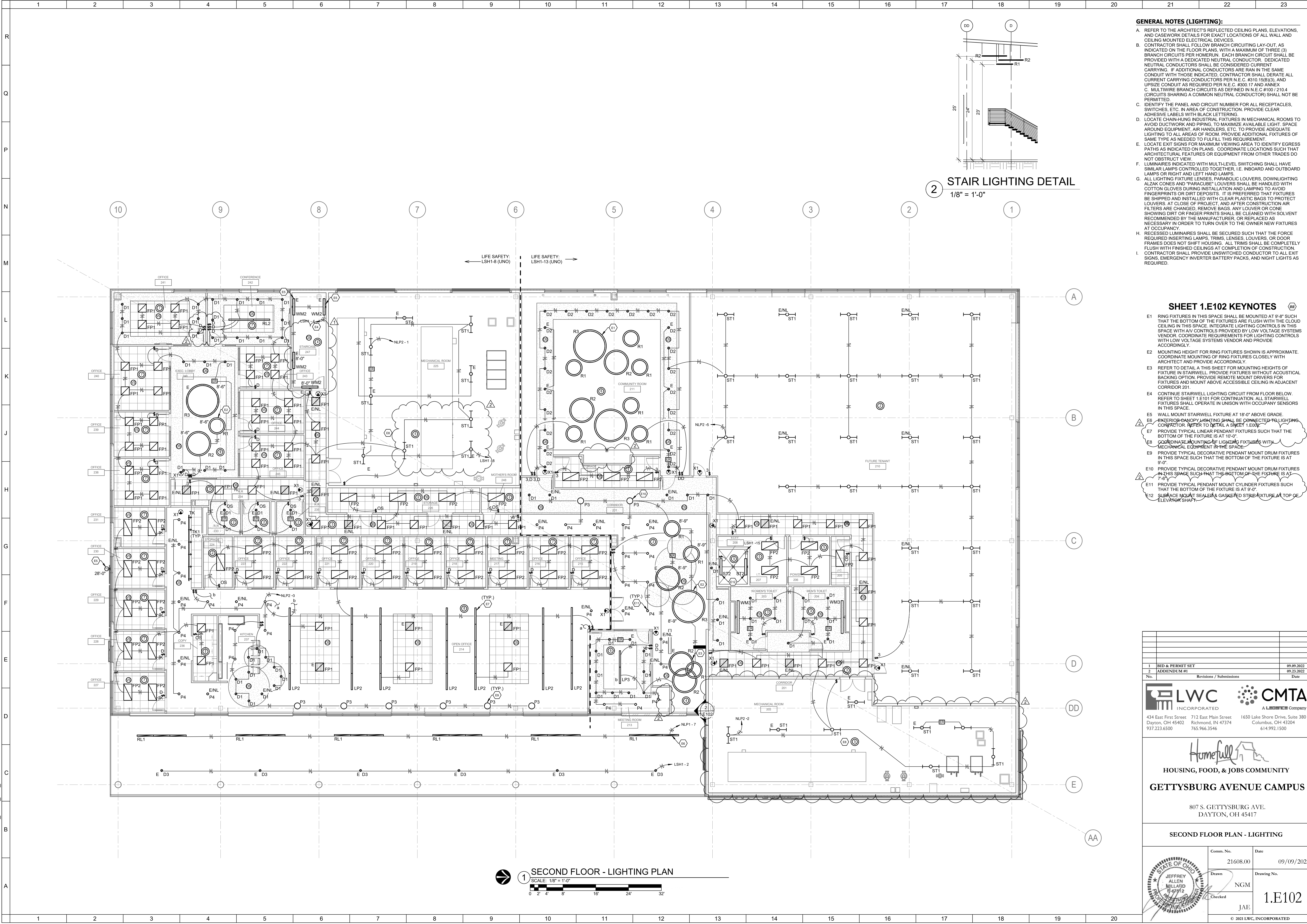
- E1 PROVIDE PENDANT MOUNTED FIXTURES IN GROCERY AREA SUCH THAT THE BOTTOM OF THE FIXTURE IS MOUNTED AT 11'-0" AFF.
- E2 MOUNTING HEIGHT FOR RING FIXTURES SHOWN IS APPROXIMATE COORDINATE MOUNTING OF RING FIXTURES CLOSELY WITH ARCHITECT AND PROVIDE ACCORDINGLY.
- E3 TYPICAL INDUSTRIAL STRIP FIXTURE. PENDANT MOUNT FROM STRUCTURE SUCH THAT THE BOTTOM OF FIXTURE IS AT 13'-0" AFF.
- E4 TYPICAL EXTERIOR WALL MOUNTED FIXTURE MOUNTED AT 11'-6" UNLESS NOTED OTHERWISE.
- E5 PROVIDE 270V BRANCH CIRCUIT FOR INTERNALLY LIT EXTERIOR BUILDING MOUNT SIGNAGE. VERIFY MANUFACTURER RECOMMENDATIONS FOR INSTALLATION AND ELECTRICAL CONDITIONS OF SIGNAGE AND PROVIDE ACCORDINGLY. APPROXIMATE MOUNTING HEIGHT SHOWN. COORDINATE INSTALLATION LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- E6 DOCK LIGHT WITH DOUBLE STRUT SWING ARM. CONNECT TO RECEPTACLE FOR POWER CONNECTION. REFER TO SHEET 1.E201 FOR RECEPTACLE LOCATION. PROVIDE FIXTURE WITH IN-LINE ROCKER SWITCH FOR CONTROL OF FIXTURE. COORDINATE MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
- E7 CONTINUE STAIRWELL LIGHTING CIRCUIT TO STAIRWELL FIXTURES ON UPPER LEVEL. REFER TO SHEET 1.E102 FOR CONTINUATION. ALL STAIRWELL FIXTURES SHALL OPERATE IN UNISON WITH OCCUPANCY SENSORS IN THIS SPACE.
- E8 LIGHTING CONTRACTOR WITH TIME CLOCK AND PHOTOCELL FOR CONTROL OF EXTERIOR MOUNTED AND SITE LIGHTING FIXTURES. REFER TO DETAIL A SHEET 1.E002 EXTERIOR FIXTURES SHALL BE CONTROLLED ACCORDING TO LIGHTING CONTROLS SEQUENCE OF OPERATIONS.
- E9 PROVIDE PASSWORD PROTECTED GRAPHICAL WALL STATION CONTROL UNIT FOR ON/OFF AND DIMMING CONTROLS FOR GROCERY AREA LIGHTING. PROVIDE BRIDGE MODULES AS REQUIRED FOR ZONING AND CONTROL OF FIXTURES AS SHOWN ON PLANS. PROVIDE HUBBELL NSXW-TH3-WH OR ACCEPTABLE EQUAL FROM ACILITY OR LUTRON.
- E10 PROVIDE LIGHTING CONTROL PANEL FOR ZONING AND CONTROL OF GROCERY AREA LIGHTING FIXTURES. PROVIDE HUBBELL NSXW-TH3-WH OR ACCEPTABLE EQUAL FROM ACILITY OR LUTRON.
- E11 PROVIDE TRACK LIGHTING FOR PERIMETER BULKHEAD SIGNAGE PENDANT MOUNTED FROM STRUCTURE AT 13'-0". COORDINATE AIMING OF FIXTURES WITH ARCHITECT.
- E12 PROVIDE TRACK ACCENT LIGHTING FOR DISPLAYS IN THIS AREA. MOUNT TRACK AT 6'-0". COORDINATE AIMING OF FIXTURES WITH ARCHITECT.
- E13 ALL CONDUIT RUNNING THROUGH GROCERY AREA SHALL BE MOUNTED AS HIGH AS POSSIBLE, RUN ALONG BUILDING LINES AND COORDINATE MOUNTING CLOSELY WITH OTHER TRADES AND ARCHITECT.



1 FIRST FLOOR - LIGHTING PLAN
SCALE: 1/8" = 1'-0"



1 BID & PERMIT SET		09/09/2022
ADDENDUM #1		09/23/2022
No.	Revisions / Submissions	Date
434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Columbus, OH 43204 614.992.1500 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500		
HOUSING, FOOD, & JOBS COMMUNITY GETTYSBURG AVENUE CAMPUS 807 S. GETTYSBURG AVE. DAYTON, OH 45417		
FIRST FLOOR PLAN - LIGHTING		
Comm. No.	Date	09/09/2022
21608.00		
Drawn	NGM	
Checked	JAE	
		1.E101
© 2021 LWC, INCORPORATED		



- GENERAL NOTES (LIGHTING):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT AS INDICATED ON THE FLOOR PLANS. WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.21(D) (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
 - LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
 - LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
 - LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER. I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
 - ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS, ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
 - RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

- SHEET 1.E102 KEYNOTES**
- RING FIXTURES IN THIS SPACE SHALL BE MOUNTED AT 8'-8" SUCH THAT THE BOTTOM OF THE FIXTURES ARE FLUSH WITH THE CLOUD CEILING IN THIS SPACE. INTEGRATE LIGHTING CONTROLS IN THIS SPACE WITH AV CONTROLS PROVIDED BY LOW VOLTAGE SYSTEMS VENDOR. COORDINATE REQUIREMENTS FOR LIGHTING CONTROLS WITH LOW VOLTAGE SYSTEMS VENDOR AND PROVIDE ACCORDINGLY.
 - MOUNTING HEIGHT FOR RING FIXTURES SHOWN IS APPROXIMATE. COORDINATE MOUNTING OF RING FIXTURES CLOSELY WITH ARCHITECT AND PROVIDE ACCORDINGLY.
 - REFER TO DETAIL A THIS SHEET FOR MOUNTING HEIGHTS OF FIXTURE IN STAIRWELL. PROVIDE FIXTURES WITHOUT ACOUSTICAL BACKING OPTION. PROVIDE REMOTE MOUNT DRIVERS FOR FIXTURES AND MOUNT ABOVE ACCESSIBLE CEILING IN ADJACENT CORRIDOR 201.
 - CONTINUE STAIRWELL LIGHTING CIRCUIT FROM FLOOR BELOW. REFER TO SHEET 1.E101 FOR CONTINUATION. ALL STAIRWELL FIXTURES SHALL OPERATE IN UNISON WITH OCCUPANCY SENSORS IN THIS SPACE.
 - WALL MOUNT STAIRWELL FIXTURE AT 18'-0" ABOVE GRADE.
 - EXTERIOR CANOPY LIGHTING SHALL BE CONNECTED TO LIGHTING CONTRACTOR. REFER TO DETAIL A SHEET 1.E07.
 - PROVIDE TYPICAL LINEAR PENDANT FIXTURES SUCH THAT THE BOTTOM OF THE FIXTURE IS AT 10'-0".
 - COORDINATE MOUNTING OF LIGHTING FIXTURES WITH MECHANICAL EQUIPMENT IN THE SPACE.
 - PROVIDE TYPICAL DECORATIVE PENDANT MOUNT DRUM FIXTURES IN THIS SPACE SUCH THAT THE BOTTOM OF THE FIXTURE IS AT 9'-0".
 - PROVIDE TYPICAL DECORATIVE PENDANT MOUNT DRUM FIXTURES IN THIS SPACE SUCH THAT THE BOTTOM OF THE FIXTURE IS AT 7'-0".
 - PROVIDE TYPICAL PENDANT MOUNT CYLINDER FIXTURES SUCH THAT THE BOTTOM OF THE FIXTURE IS AT 9'-0".
 - SURFACE MOUNT SEALED GASKETED STRIA FIXTURE AT TOP OF ELEVATOR SHAFT.

1 SECOND FLOOR - LIGHTING PLAN
SCALE: 1/8" = 1'-0"

1	BID & PERMIT SET	09.09.2022
2	ADDENDUM #1	09.23.2022
No.	Revisions / Submissions	Date
434 East First Street Dayton, OH 45402 937.223.6500 712 East Main Street Cincinnati, OH 45204 765.966.3546 1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500		
HOUSING, FOOD, & JOBS COMMUNITY GETTYSBURG AVENUE CAMPUS 807 S. GETTYSBURG AVE. DAYTON, OH 45417		
SECOND FLOOR PLAN - LIGHTING		
Comm. No.	21608.00	Date
Drawn	NGM	09/09/2022
Checked	JAE	
		1.E102
© 2021 LWC, INCORPORATED		

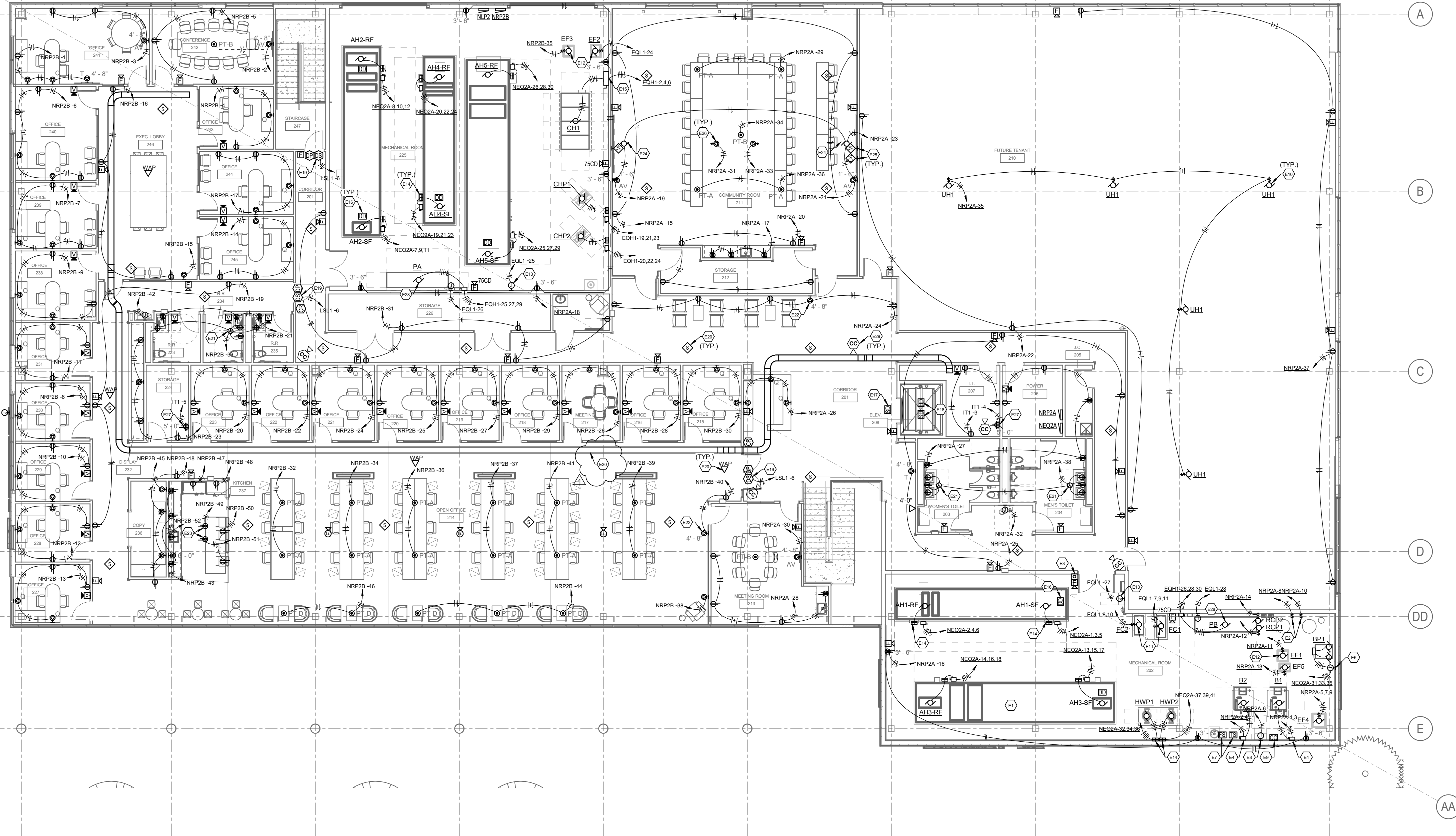
9/22/2022 2:04:43 PM
C:\Users\mansour\Documents\OHFM21_ELEC_R20_mansour\T137.rvt

GENERAL NOTES (POWER):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100/210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

SHEET 1.E202 KEYNOTES

- E1 ALTERNATE: PROVIDE ELECTRICAL CONNECTION FOR AIR HANDLING UNIT AH1-S SUPPLY AND RETURN AIR FANS. WIRE AND INSTALL VFD WITH INTEGRAL DISCONNECT PROVIDED BY OTHERS.
- E2 PROVIDE TOGGLE SWITCH AND CONNECTION TO NEW WATER HEATER FURNISHED BY OTHERS. WIRE AND INSTALL PER MANUFACTURER RECOMMENDATIONS.
- E3 PROVIDE PUSH BUTTON FOR EMERGENCY SHUTDOWN OF BOILERS. REFER TO DETAIL G SHEET 1.E003.
- E4 PROVIDE HEAVY DUTY 30A NEMA 1 NON-FUSIBLE DISCONNECT FOR CONNECTION TO BOILER.
- E5 PROVIDE JUNCTION BOX AND HARDWARE CONNECTION TO BOOSTER PUMPS FURNISHED BY P.C. CONNECT TO EQUIPMENT CONTROL PANEL WITH INTEGRAL DISCONNECT. WIRE PER MANUFACTURER RECOMMENDATIONS.
- E6 PROVIDE FLOW SWITCH & TAMPER SWITCH AND CONNECT TO FIRE ALARM SYSTEM. COORDINATE INSTALLATION LOCATION WITH P.C.
- E7 PROVIDED CONNECTION TO BOILER CONTROL PANEL PROVIDED BY OTHERS. WIRE PER MANUFACTURER RECOMMENDATIONS.
- E8 PROVIDE CARBON MONOXIDE DETECTOR WITH SOUNDER BASE. DEVICE SHALL SOUND AND SEND TROUBLE SIGNAL TO FIRE ALARM CONTROL PANEL UPON DETECTION OF CARBON MONOXIDE.
- E9 BASE BID: PROVIDE 120V-1P CONNECTION TO TYPICAL UNIT HEATER FURNISHED BY OTHERS. INTEGRAL DISCONNECT FURNISHED BY M.C. WIRED AND INSTALLED BY E.C. UNIT HEATERS AND ASSOCIATED ELECTRICAL WORK TO BE PROVIDED UNDER BASE BID. IF ALTERNATE SCOPE OF WORK FOR AHU-3 IS SELECTED, UNIT HEATERS AND ASSOCIATED WORK SHALL BE REMOVED FROM SCOPE.
- E10 PROVIDE 208V-1P CONNECTION TO FAN COIL UNIT FURNISHED BY M.C. WIRE AND INSTALL INTEGRAL TOGGLE SWITCH.
- E11 PROVIDE 120V-1P CONNECTION TO EXHAUST FAN FURNISHED BY M.C. INTEGRAL DISCONNECT FURNISHED BY M.C. WIRED AND INSTALLED BY E.C.
- E12 PROVIDE 120V-1P CONNECTION FOR DDC CONTROL PANEL FURNISHED BY M.C.
- E13 WIRE AND INSTALL VFD WITH INTEGRAL DISCONNECT PROVIDED BY M.C.
- E14 PROVIDE 480V-3P HEAVY DUTY 400A NEMA 1 FUSIBLE DISCONNECT FUSED AT 300A TO SERVE NEW CHILLER. PROVIDE CONNECTION FROM DISCONNECT TO CHILLER CONTROL PANEL. WIRE AND INSTALL PER MANUFACTURER RECOMMENDATIONS.
- E15 PROVIDE DUCT SMOKE DETECTOR AND CONNECT TO FIRE ALARM SYSTEM FOR SHUT DOWN OF UNIT UPON DETECTION OF SMOKE. COORDINATE MOUNTING LOCATION WITH M.C.
- E16 PROVIDE NEW SMOKE DETECTOR AT ELEVATOR LANDING FOR ELEVATOR RECALL. PROVIDE NEW ELEVATOR RECALL RELAY COMPATIBLE WITH EXISTING FIRE ALARM CONTROL PANEL.
- E17 PROVIDE SMOKE DETECTOR AND HEAT DETECTOR AT TOP OF ELEVATOR SHAFT. REFER TO DETAIL E SHEET 1.E004.
- E18 CONNECT DOOR POWER SUPPLY TO 120V-1P CIRCUIT FOR ACCESS CONTROL DEVICES. PROVIDE ROUGH-IN FOR DOOR POSITION SWITCH, CARD READER, KEYPAD, AND OTHER APPLICABLE DOOR HARDWARE AS CALLED OUT ON PLANS. REFER TO DETAIL B SHEET 1.E003. COORDINATE WITH LOW VOLTAGE SYSTEMS VENDOR AND PROVIDE ACCORDINGLY.
- E19 PROVIDE J-HOOK PATHWAY TO THIS LOCATION AND ROUGH-IN FOR EQUIPMENT PROVIDED BY LOW VOLTAGE SYSTEMS VENDOR.
- E20 PROVIDE LOW VOLTAGE TRANSFORMER COMPATIBLE WITH ELECTRONIC FLUSH VALVES AND FAUCETS PROVIDED BY OTHERS. PROVIDE RECEPTACLE FOR LOW VOLTAGE TRANSFORMER. COORDINATE ACCESSIBLE MOUNTING LOCATION FOR RECEPTACLE AND TRANSFORMER WITH P.C. AND ARCHITECT PRIOR TO ROUGH-IN.
- E21 PROVIDE POWER & DATA ROUGH-IN FOR MEETING ROOM SCHEDULE DISPLAYS. COORDINATE MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO MANUFACTURER INSTALLATION RECOMMENDATIONS AND PROVIDE ACCORDINGLY.
- E22 PROVIDE DEDICATED RECEPTACLE IN CASEWORK FOR MICROWAVES MOUNTED IN CASEWORK. REFER TO DETAIL IN ARCHITECTURAL DRAWINGS. COORDINATE MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- E23 ELECTRICAL CONNECTION FOR MOTORIZED PROJECTOR SCREEN PROVIDED BY OTHERS. COORDINATE FINAL CONTROLLER MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- E24 PROVIDE 4"x4" BOX WITH 1-GANG MUD RING AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING FOR ANY SYSTEMS IN THIS SPACE PROVIDED BY LOW VOLTAGE VENDOR. COORDINATE MOUNTING LOCATION WITH LOW VOLTAGE VENDOR DRAWINGS AND ARCHITECT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
- E25 PROVIDE 4"x4" BOX AND (2) 1" CONDUIT FOR PROJECTOR IN THIS SPACE FURNISHED BY LOW VOLTAGE SYSTEMS VENDOR. COORDINATE MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- E26 PROVIDE DEDICATED DUO RECEPTACLE FOR IT RACK. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- E27 WIRE AND INSTALL NEW REFRIGERATION PROTOCOL UNIT FURNISHED BY REFRIGERATION EQUIPMENT VENDOR. PROVIDE 60A NEMA 1 RATED NON-FUSIBLE DISCONNECT. PROVIDE ADDITIONAL DEDICATED 120V-1P BRANCH CIRCUIT TO PROTOCOL UNIT FOR CONTROLS AND CONVENIENCE RECEPTACLE.
- E28 PROVIDE J-HOOK PATHWAY TO THIS LOCATION AND 4"x4" BOX WITH 1-GANG MUD RING FOR SECURITY CAMERA IN THIS LOCATION BY LOW VOLTAGE SYSTEMS VENDOR.
- E29 PROVIDE 12"x4" CABLE TRAY FOR DATA CABLING PROVIDED BY LOW VOLTAGE SYSTEMS VENDOR. PROVIDE J-HOOK PATHWAY BACK TO CABLE TRAY FROM EACH SPACE WITH DATA DEVICES. MOUNT CABLE TRAY AT 10'-9" IN OPEN OFFICE AREA AND AS HIGH AS POSSIBLE IN RECEPTION AREA. COORDINATE ROUTING CLOSELY WITH OTHER TRADES.



1 SECOND FLOOR - POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"
0 2' 4' 8' 16' 24' 32'

1. BID & PERMIT SET		09/09/2022
No.	Revisions / Submissions	Date
LWC INCORPORATED		
CMTA A LWC Company		
434 East First Street Dayton, OH 45402 937.223.6500		
712 East Main Street Cincinnati, OH 45204 765.966.3546		
1650 Lake Shore Drive, Suite 380 Columbus, OH 43204 614.992.1500		
<i>Homefull</i>		
HOUSING, FOOD, & JOBS COMMUNITY		
GETTYSBURG AVENUE CAMPUS		
807 S. GETTYSBURG AVE. DAYTON, OH 45417		
SECOND FLOOR PLAN - POWER & SYSTEMS		
Comm. No.	Date	
21608.00	09/09/2022	
Drawn	Checked	Drawing No.
JEFFREY ALLEN MILLARD 8-27912	NGM	1.E202
	JAE	
© 2021 LWC, INCORPORATED		