WER ARCHITECTS 901 West Third Street Little Rock, Arkansas 72201 / 501.374.5300

ADDENDUM 4

ADDENDUM NO. 4

TO: PROJECT MANUAL AND DRAWINGS

FOR: CENTRAL HOUSE AND GARDEN
606 East Central, Bentonville, AR

October 23, 2026

This addendum forms a part of the Contract Documents and modifies or interprets the Project Manual and Drawings, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject bidder to disqualification.

BID DATE: October 29, 2026

A. GENERAL:
1. Refer to Procore for Pre-Bid RFI questions and answers. These questions and answers become part of the Contract Documents.
2. See attached **Insight Engineering** MEP_FP Addendum dated 10/23/26.
3. See attached **Dirtworks** Addendum dated 10/23/26

B. PROJECT MANUAL:

1. Refer to 12 24009 WINDOW SHADES
REPLACE: With the attached

2. Refer to 11 4000 KITCHEN EQUIPMENT
REPLACE: With the attached

C. DRAWINGS:

1. Refer to A110 FIRST AND SECOND FLOOR REFLECTED CEILING PLAN
REPLACE: Entire Sheet with Attached

2. Refer to A121 ROOF AND GUTTER DETAILS
REPLACE: Entire Sheet with Attached

3. Refer to A500 DETAILS
REPLACE: Entire Sheet with Attached

4. Refer to A110 FIRST AND SECOND FLOOR REFLECTED CEILING PLAN
REPLACE: Entire Sheet with Attached

D. ATTACHMENTS:

1. Drawings (36 sheets)
2. Specifications (47 pages)
3. Insight Engineering Narrative (3 pages)
4. Dirtworks Narrative (1page)

END OF ADDENDUM NO. 4 (88 pages total)

322 S. State Street, Ste 201
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ADDENDUM 04

Project Name: 606 Central House & Garden
Bentonville, AR

Insight Project Number: 25-064
Date: 10/23/26

Drawings:

Mechanical:

1. Refer to Revised Sheet M202 – FIRST FLOOR PLAN – MECHANICAL – revision dated 10/23/26:

    A. Adjusted location of temperature sensor in Fireplace Room.
    B. Added keyed note 11 for sidewall return clarification.
    C. Adjusted thermostat location for AH-2.

2. Refer to Revised Sheet M402 – SCHEDULES – HVAC – revision dated 10/23/26:

    A. Adjusted Air Device schedule with clarifying remarks.

3. Refer to Revised Sheet M501 – CONTROLS – HVAC – revision dated 10/23/26:

    A. Adjusted detail 1 to the correct naming convention.

Electrical:

1. Refer to Revised Sheet 201 – SITE PLAN – ELECTRICAL – revision dated 10/23/26:

    A. Moved water garden panel.
    B. Added conduit and wire path for water pump.
    C. Updated proposed utility transformer location.

2. Refer to Revised Sheet 303 – FIRT FLOOR PLAN – LIGHTING – revision dated 10/23/26:

A. Updated garden room lighting.
B. Added note to coordinate all lighting fixture locations with architect.

3. Refer to Revised Sheet 303 – FIRST FLOOR PLAN – POWER – revision dated 10/23/26:

   A. Updated receptacle locations.

4. Refer to Revised Sheet 307 – SECOND FLOOR PLAN – POWER AND SYSTEMS – revision dated 10/23/26:

   A. Updated receptacle locations.

5. Refer to Revised Sheet 401 – DETAILS AND DIAGRAMS – ELECTRICAL – revision dated 10/23/26:

   A. Updated WGP panel size and feeder.

6. Refer to Revised Sheet 501 – SCHEDULES – ELECTRICAL – revision dated 10/23/26:

   A. Updated lighting fixture schedule.

7. Refer to Revised Sheet 504 – SCHEDULES – ELECTRICAL – revision dated 10/23/26:

   A. Updated WGP panel schedule.

8. Refer to Revised Sheet E803 – MAINTENANCE BUILDING PLAN – POWER AND SYSTEMS – revision dated 10/23/26:

   A. Updated receptacle locations.
   B. Moved water heater disconnect.

Plumbing:

1. Refer to Revised Sheet P202 – BASEMENT FLOOR PLAN – DOMESTIC WATER – revision dated 10/23/26:

   A. Revise RPZ-2 and water line serving pool to 1".
   B. Add valve to 1" line serving pool.

2. Refer to Revised Sheet P203 – GROUND FLOOR – SANITARY SEWER – revision dated 10/23/26:

   A. Add (3) S-4 handwash sinks in kitchen area.

3. Refer to Revised Sheet P204 – GROUND FLOOR PLAN – DOMESTIC WATER – revision dated 10/23/26:

   A. Add (3) S-4 handwash sinks in kitchen area.

4. Refer to Revised Sheet P301 – RISER DIAGRAMS - PLUMBING – revision dated 10/23/26:

A. Add (3) S-4 handwash sinks in kitchen area.

5. Refer to Revised Sheet P302 – RISER DIAGRAMS - PLUMBING – revision dated 10/23/26:

   A. Add (3) S-4 handwash sinks in kitchen area to detail 1.
   B. Add sparkling water chiller notes to detail 1 for clarity.
   C. Revise location of water heater in detail 2.
   D. Revise RPZ-2 and water line serving pool to 1".
   E. Add valve to 1" line serving pool.

6. Refer to Revised Sheet P501 – SCHEDULES - PLUMBING – revision dated 10/23/26:

   A. Revise S-3 on Plumbing Fixture Schedule.
   B. Add S-4 to Plumbing Fixture Schedule.
   C. Revise RPZ-2 on Plumbing Specialties Schedule.

7. Refer to Revised Sheet P802 – MAINTENANCE BUILDING PLAN - PLUMBING – revision dated 10/23/26:

   A. Revise keyed note #2.
   B. Revise water heater location from above ceiling to storage room.

End of Addendum 04

Dirtworks

ADDENDUM 04

Project Name: 606 Central House & Garden
Bentonville, AR
DWLA Project Number: 31483
Date: 10/23/26

L-210 Site Furnishing Series

●L210, L-212, L-214: Fire lane signage turned on from Civil's background and called out

L-700-717 Site Details

● L-716: Refined sizes and locations of timber elements and notes for outdoor learning table

SECTION 12 2400
WINDOW SHADES - REVISED

PART 1 GENERAL V.20

1.01 SECTION INCLUDES

A. Manual Roller Shades.

B. Interior motorized roller shades.

C. Motor controls.

1.02 RELATED REQUIREMENTS

A. Section 26 2726 - Wiring Devices: Finish requirements for wall controls specified in this section.

1.03 REFERENCE STANDARDS

A. ASTM E2180 - Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) in Polymeric or Hydrophobic Materials; 2018.

B. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2015, with Editorial Revision (2021).

C. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films; 2015.

D. WCMA A100.1 - Safety of Corded Window Covering Products; Current Edition, Including All Revisions.

E. ATCC - American Type Culture Collection; ATCC 9642, ATCC 9644, and ATCC 9645 are specific fungal reference strains curated by the American Type Culture Collection (ATCC) and are widely designated for standardized fungus resistance testing of polymers and plastics (such as ASTM G21).

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Where motorized shades are to be controlled by control systems provided under other sections, coordinate the work with other trades to provide compatible products.
   2. Coordinate the work with other trades to provide rough-in of electrical wiring as required for installation of hardwired motorized shades.

B. Preinstallation Meeting: Convene one week prior to commencing work related to products of this section; require attendance of affected installers.

C. Sequencing:
   1. Do not fabricate shades until field dimensions for each opening have been taken with field conditions in place.
   2. Do not install shades until final surface finishes and painting are complete.

1.05 SUBMITTALS

A. See Section 01 3000 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.
   1. Motorized Shades: Include power requirements and standard wiring diagrams for specified products.

C. Shop Drawings: Include shade schedule indicating size, location and keys to details, head, jamb and sill details, mounting dimension requirements for each product and condition, and operation direction.
   1. Motorized Shades: Provide schematic system riser diagram indicating component interconnections. Include requirements for interface with other systems.

D. Certificates: Manufacturer's documentation that line voltage components are UL listed or UL recognized.

E. Source Quality Control Submittals: Provide test reports indicating compliance with specified fabric properties.

F. Selection Samples: Include fabric samples in full range of available colors and patterns meeting specified performance requirements.
   1. Shadecloth Sample:
      a. Mark face of material to indicate interior face.
      b. Include test reports indicating compliance with specified fabric properties.
      c. Sample size: 6-inch by 6-inch minimum, representing actual material, color and pattern.
   2. Motorized Shades: Include finish selections for controls.

G. Manufacturer's Instructions: Include instructions for storage, handling, protection, examination, preparation, and installation of product.

H. Project Record Documents: Record actual locations of control systems and show interconnecting wiring.

I. Operation and Maintenance Data: List of all components with part numbers, sources of supply, and operation and maintenance instructions; include copy of shop drawings.

J. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

K. Maintenance contracts.

1.06 QUALITY ASSURANCE

A. Source Requirements: Obtain shade systems through one source from a single manufacturer.

B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.

C. Installer Qualifications: Company specializing in performing work of this type with minimum two years of documented experience with shading systems of similar size and type.

D. Fire-Test-Response Characteristics: Passes NFPA 701 small and large-scale vertical burn. Materials tested shall be identical to products proposed for use.

E. Electrical Components: NFPA Article 100 listed and labeled by either UL or ETL or other testing agency acceptable to authorities having jurisdiction, marked for intended use, and tested as a system. Individual testing of components will not be acceptable in lieu of system testing.

F. Requirements for Electronic Hardware, Controls, and Switches: Roller shade hardware, shade fabric, EDU (Electronic Drive Unit), and all related controls shall be furnished and installed as a complete two-way communicating system and assembly.

G. ShadeCloth Anti-Microbial Characteristics: 'No Growth' per ASTM G21 results for fungi ATCC9642, ATCC9644 and ATCC9645, and ASTM E2180.

H. Turn-Key Single-Source Responsibility for Motorized Shades: Assign the design, engineering, and installation of motorized roller shade systems, motors, controls and low voltage electrical control wiring specified in this Section to a single manufacturer and their authorized installer/dealer.

1.07 MOCK-UP

A. Mock-Up: Provide full size mock-up of window shade system complete with selected shade fabric including example of seams and batten pockets when applicable.
   1. Locate where directed.
   2. Full-sized mock-up may become part of the final installation.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Deliver in factory-labeled packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on Drawings and in Window Schedule.

B. Handle and store shades in accordance with manufacturer's recommendations.

1.09 PROJECT CONDITIONS

A. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Install shades after finish work including painting is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1.10 WARRANTY

A. See Section 01 7800 - CLOSEOUT SUBMITTALS, for additional warranty requirements.

B. Provide manufacturer's warranty from Date of Substantial Completion, covering the following:
   1. Chain and Hardware: 25 years.
   2. Fabric / Shadecloth: 25 years.
   3. Electric Motors: Ten years.
   4. Electronic Control Equipment: Ten years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Interior Manually Operated Roller Shades:
   1. Draper, Inc; Clutch Operated FlexShade: www.draperinc.com/#sle.
   2. Hunter Douglas Architectural; RB500 Manual Roller Shades: www.hunterdouglasarchitectural.com/#sle.
   3. MechoShade Systems LLC; Mecho/5 System: www.mechoshade.com/#sle.
   4. Substitutions: See Section 01 6000 - Product Requirements.

B. Interior Motorized Roller Shades, Motors and Motor Controls:
   1. Basis-of-Design: MechoShade Systems LLC***; ElectroShade with WhisperShade IQ2 EDU, line voltage (120 VAC);:*** www.mechoshade.com/#sle.
   2. Draper, Inc; Draper Motorized FlexShade I/O AC: www.draperinc.com/#sle.
   3. Hunter Douglas Architectural; Hunter Douglas Architectural RB 500 Motorized Roller Shade: www.hunterdouglasarchitectural.com/#sle.
   4. ~~***Levolor: www.levolor.com/commercial/#sle.***~~
   5. Substitutions: See Section 01 6000 - Product Requirements..

2.02 ROLLER SHADES

A. General:
   1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets.
   2. Provide shade system that operates smoothly when shades are raised or lowered.

B. Manual Roller Shades for Offices and Conference Room (House and Maintenance):
   1. Description - Interior Roller Shades: Single roller, manually operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
      a. Drop Position: Regular roll.
      b. Roll Direction: Roll down, closed position is at window sill.
      c. Mounting: Window jamb mounted- inside, between jambs.
      d. Size: As indicated on drawings.
      e. Fabric: As indicated under Shade Fabric article.
      f. Fascia: Extruded aluminum, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; finish to be selected from manufacturers full range.

C. Motorized Roller Shades for Garden Room - Basis of Design: MechoShade Systems LLC; ElectroShade with WhisperShade IQ2 EDU, line voltage (120 VAC); www.mechoshade.com/#sle.
   1. Description: Single roller, motor operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
   2. ***Mounting: Window jamb mounted.***
   3. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
   4. Roller Tubes:
      a. Material: Extruded aluminum.
      b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
      c. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
   5. Hembars: Designed to maintain bottom of shade straight and flat.
   6. Intelligent Encoded Electronic Drive System:
      a. Line Voltage EDU (120 VAC):
         1) Audible Noise: 46 dBA or less measured 3 feet from the motor unit, depending on motor torque.
      b. Modes of Operation:
         1) Uniform Mode: Allows for shades to move only to defined intermediate stop positions in order to maintain aesthetic uniformity.
         2) Normal Mode: Allows for shades to move to defined intermediate stop positions plus any position between defined upper and lower limits.
         3) Maintenance Mode: Prevents shade from moving to newly commanded positions via dry contact or network control commands until EDU has been serviced and/or Maintenance Mode has been cleared/disabled.
      c. Control Methods: Support both local isolated dry contact input and network control.
         1) Local isolated dry contact inputs support local switch control and third party system integration without separate interface.
         2) Bi-directional network communication enables commanding the operation of large groups of shades over a common backbone.
         3) Provide a minimum of three customizable preset positions accessible over the local dry contact control inputs and over the network connection.
         4) Provide a minimum of 32 customizable preset positions (including the three local switch presets) accessible via network commands.
   7. Accessories:
      a. ***~~Fascia: Removable extruded aluminum fascia, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; baked enamel finish. Custom color to match window mullions.~~***

2.03 SHADE FABRIC

A. Fabric: Non-flammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
   1. ***~~Manufacturers:~~***
      a. ***~~Phifer, Inc; Sheerweave: www.phifer.com/#sle.~~***
      b. ***~~Substitutions: See Section 01 6000 - Product Requirements.~~***
   2. ***~~Material: Vinyl coated polyester, single thickness non-raveling 0.030-inch (0.762 mm) thick, woven from 0.018-inch (0.457mm) diameter extruded vinyl yard compromising of 21 percent polyester and 79 percent reinforced vinyl.~~***
   3. ***Garden Room 115 – Motorized Shades: Basis of Design: Mecho EcoVeil 1750, 1 percent openness. Fabric content may be vinyl TPO or a blend with polyester.***

4. ***Offices and Conference Rooms – Manual Shades: Basis of Design: Mecho EcoVeil 1550, 3 percent openness.***
5. Performance Requirements:
   a. Flammability: Pass NFPA 701 large and small tests.
   b. Fungal Resistance: No growth when tested according to ASTM G21.
   c. Noise Reduction Coefficient: NRC = 0.55 ***minimum for fabric at Garden Room 115. No-Minimum NRC requirement for fabric at Offices and Conference Room.***
6. Color: As selected by Architect from manufacturer's full range of colors.

2.04 MOTOR CONTROLS

A. Unless specifically indicated to be excluded, provide all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the control intent indicated.

B. ~~***Provide all components and connections necessary to interface with other systems as indicated.***~~ ***Provide all components and connections necessary to interface with other systems as indicated. Provide all control interfaces, hardware, and software required for individual shade control, shade group control, and master control of all motorized shades, in a single, coordinated control system for all motorized shades. Include all components necessary for the specified preset functions. Provide one keypad for Garden Room 115, mounted adjacent to the lighting switches. Coordinate required power and control wiring with the electrical contractor.***

C. Digital Network Controls:
   1. Intelligent Motors and Devices: Identifiable over network without separate interface.
   2. Capable of reprogrammed control without requiring wiring modifications.
   3. Capable of assigning shade motors to shade groups/sub-group.
   4. Capable of storing programmable open and close limits and minimum of three intermediate preset stop positions for each shade.
   5. Capable of aligning adjacent shades within accuracy of plus/minus 0.25 inch.
   6. Basis of Design:
      a. MechoShade Systems LLC; MechoNet: www.mechoshade.com/#sle.
      b. Substitutions: See Section 01 6000 - Product Requirements.

2.05 ROLLER SHADE FABRICATION

A. Field measure finished openings prior to ordering or fabrication.

B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
   1. Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.
   2. Horizontal Dimensions - Inside Mounting: Provide symmetrical light gaps on both sides of shade not to exceed 3/4 inch total.

C. At openings requiring continuous multiple shade units with separate rollers, locate roller joints at window mullion centers; butt rollers end-to-end.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine finished openings for deficiencies that may preclude satisfactory installation.

B. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.

B. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.

B. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

3.04 SYSTEM STARTUP

A. Motorized Shade System: Provide services of a manufacturer's authorized representative to perform system startup.

3.05 CLEANING

A. Clean soiled shades and exposed components as recommended by manufacturer.

B. Replace shades that cannot be cleaned to "like new" condition.

3.06 CLOSEOUT ACTIVITIES

A. See Section 01 7800 - CLOSEOUT SUBMITTALS, for closeout submittals.

B. Demonstration: Demonstrate operation and maintenance of window shade system to Owner's personnel.

3.07 PROTECTION

A. Protect installed products from subsequent construction operations.

B. Touch-up, repair or replace damaged products before Substantial Completion.

3.08 MAINTENANCE

A. See Section 01 7000 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

B. Provide to Owner, a proposal as an alternate to the base bid, a separate renewable maintenance contract for the service and maintenance of a motorized shade system for one year from date of Substantial Completion. Include a complete description of preventive maintenance, systematic examination, adjustment, parts and labor, cleaning, and testing, with a detailed schedule.

END OF SECTION

KITCHEN EQUIPMENT - SECTION 11 4000

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

A. The drawings and general provisions of the contract, including general and supplementary conditions and general documents, apply to the work specified in this section.

1.2 SCOPE OF WORK

A. Include all labor, materials, and freight required to deliver, install, set in place, level, hang hood(s), erect walk in(s), run refrigeration line(s), etc. for the equipment specified in this section.

1.3 RELATED WORK SPECIFIED IN OTHER SECTIONS

A. Recessed and raised floor areas including reinforced concrete wearing bed and specified floor material with coved corner bases inside walk-ins by Division 03 00 00.

B. Millwork not specified in this section is to be provided under Division 06 00 00.

C. Rough-in, final connection, indirect drains, drain traps, grease traps, steam traps, PVC for drink lines, strainers, water coolers, hand sinks, mop sinks, tailpieces, valves, stops, shut off valves, pipes, line strainers, atmospheric vents, pipe fittings, ventilators, duct work, exhaust and supply fans, disconnection and reconnection of existing equipment and all materials not specified in this section are to be provided and installed by Division 22 00 00 and Division 23 00 00.

D. Rough-in, final connection, lines, disconnect switches, safety cut off, fittings, outlets, convenience outlets, pull boxes, wiring, conduit, junction boxes, fuse boxes, control panels, starters, shunt trip breakers (required for the shut off of all electrical outlets under the ventilator and shut off of ventilator fan(s) in the event the fire suppression systems is activated), contactors, disposer and walk-in control wiring, inter connection of fire suppression system with building alarm, disconnection and reconnection of existing equipment and all materials not specified in this section are to be provided and installed by Division 26 00 00, Division 27 00 00 and Division 28 00 00.

1.4 FEES, LICENSES, INSPECTION, PERMITS AND TAXES

A. Pay all fees, licenses, inspections, permits and taxes required by state and local authorities for the equipment specified in this section and furnish receipts for same.

1.5 JURISDICTIONS, TRADE AGREEMENTS AND RESTRICTIONS

A. Portions of this work may be sub-contracted to those qualified to do such work as may be required because of jurisdictional trade agreements and restrictions.

1.6 QUALITY ASSURANCE

A. Submit evidence to the owner, architect and consultant of qualifications listed below:

1. Successful completion of projects of comparable size and scope.

2. Maintain a staff experienced in the installation of Kitchen Equipment and the preparation of professional drawings and brochures.

1.7 SUBSTITUTIONS

A. It is the purpose of these plans and specifications to purchase for the owner equipment that conform to the best existing policies of the commercial kitchen equipment Industry. These items have been selected as preferred items as a result of past experiences, functional design, construction, material, maintenance and repair. If a contractor elects to quote on substitutions not specified, they will be permitted to do so provided that they list these substitutions on a separate form (do not use alternates in the base bid unless pre approved) outlining them as additions or deductions to the specified brand. Any contractor offering a substitution shall accompany the bid with complete construction details, and specification sheets.

B. If a proposed substitution is accepted the kitchen equipment contractor shall provide and pay for all changes to, space, structure, utilities, construction, professional services, modify other items, provide rough in drawings, specifications, etc. that may be required.

1.8 INTERPRETATION OF DOCUMENT

A. The specifications and drawings are complementary and what is called for by one shall be binding as if called for by both. Contractors shall examine the full set plans and specifications to be fully satisfied as to the conditions of the project. No allowance shall be subsequently made to the contractor by reason of error on his part or obvious oversight not called to the attention of the Owner, Architect, General Contractor and Consultant.

B. Questions regarding specifications and drawings will be responded to by written addendum only.

1.9 WARRANTIES

A. Warranties for parts and labor in writing for all new Kitchen Equipment for a period of one year from date of acceptance.

B. Refrigeration system compressors shall be warranted for an additional four years by the manufacturer.

C. Provide at no cost to owner, refrigeration service including freon, mileage, parts and labor to all refrigeration equipment within 24 hours of notification for one year from date of acceptance.

1.10 REGULATIONS AND CODES

A. Comply with all applicable laws, statues, building codes, regulations of state, local, public authorities and comply with the following:

1. National Sanitation Foundation.
2. National Fire Protection Association.
3. Underwriter’s Laboratories, Inc.
4. Department of Energy’s 2017 Energy Efficiency Standards.
5. 2016 Paris Climate Agreement.
6. 2009 Federal Energy Saving Standards.
7. Factory Mutual.

8. Building Official and Code Administrators.
9. National Electrical Code.
10. American Gas Association Labs.
11. Occupational Safety and Health Act.
12. National Electrical Manufactures Association.
13. Americans with Disabilities Act.
14. American National Standards Institute.
15. American Society of Mechanical Engineers.

1.11 SUBMITTALS

A. Kitchen equipment contractor shall review rough-in drawings provided and notify the Architect, Consultant and Construction Manager or General Contractor in writing with in 15 days of any utility changes required for the equipment. Submit in thirty days dimensioned drawings showing all Kitchen Equipment items with itemized schedules, mechanical rough-in, electrical rough-in and critical conditions plan.

B. Submit in thirty days dimensioned drawings showing complete construction details of all fabricated equipment.

C. Submit in thirty days brochures of regularly manufactured items with project label, project cover sheet, item cover sheet, and specification sheet.

D. Submit number and type drawings as requested by the owner, architect, consultant and general contractor.

E. Submit in thirty days material samples with manufacturer’s name plate and item number for review to the Owner, Architect, Consultant and Construction Manager or General Contractor.

F. Submit prior to kitchen equipment demonstration operation/instruction manuals with item cover sheet (indicate on item cover sheet for the kitchen equipment, make, model number, serial number and local service agency with address and phone number for the project location) and copy of manufacturer’s operation and instruction manual.

G. Provide pictures of completed punch list deficiencies to Contractor, Architect Owner and Consultant for review after all punch list work has been completed.

1.12 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver any Kitchen Equipment to the project until advised and building is weather and vandal safe.

1.13 JOB CONDITIONS

A. Before ordering Kitchen Equipment and starting work verify measurements at job site. Be responsible for fitting Kitchen Equipment into space provided. No extra charge or compensation will be allowed for minimal difference between dimensions indicated and actual field dimensions.

B. Verify that Kitchen Equipment will fit through openings provided.

C. Prior to ordering Kitchen Equipment verify all mechanical and electrical utilities available at the project site and coordinate.

1.14 SCHEDULING

A. Coordinate and schedule delivery and installation of Kitchen Equipment so as not to impede project construction schedule. Coordinate number of days required for equipment installation with owner and general contractor.

PART 2 – PRODUCT

2.1 MATERIALS

A. United States standard gauge 18-8, type 302, not over .012% maximum carbon stainless steel with a number 4 finish.

B. Armco Galvanized Steel.

2.2 MANUFACTURED EQUIPMENT

A. Standard finishes and accessories unless specifically deleted. Options shall be by same manufacturer.

B. Follow the manufactures installation instructions.

C. All equipment for high altitude operation, elevation approximately 7200 feet above sea level as required.

2.3 FABRICATION

A. General

1. Provide fabricated Kitchen Equipment as specified.
2. Fabricated by one manufacture with consistent construction for like items.
3. Grind all welds of stainless steel smooth and polish to a number 4 finish.
4. Use concealed type bolts to fasten trim to paneling and body of equipment, and secure to exposed sheet metal surface.
5. Use stainless steel bolts and screws.
6. Where threads of bolts and screws occur on inside of fixtures, are visible, or might come in contact with a wiping cloth, cover screw with washer and stainless steel acorn nut.
7. Do not use rivets to fasten body paneling together.

B. Sound deadening

1. Provide Schnee Butyl-Sealant ½” wide rope as a sound deadening material between all metal surfaces and tighten bolts for maximum compression of sealant.

C. Painting

1. Non-stainless steel finishes painted two coats of hammer tone gray, air-dried.

2. Oven baked finishes for 2 hours at a minimum temperature of 300º F.

D. Stainless Steel Tops

1. 14 gauge stainless steel tops with one piece fully welded construction. Free edges turned down 2” and back on slight angle ½” with corners fully welded, ½” high marine edge with fully welded corners or as detailed, indicated and specified.

2. Where tops fit adjacent to equipment, walls and columns cove up to specified height and back on 45º angle or as specified forming a back splash and Zee clip to wall, unexposed. Enclose ends of back splashes, extending full length of fixture including rolls.

3. Reinforce underside of tops with fully welded 14 gauge stainless steel angle and channel framework of suitable size and at locations as required to hold top flat and support heavy loads without deflection. Provide two hat channels to support drawer assemblies, enclosed bases and leg/gusset as required.

4. Provide cross members at 30” on centers maximum. No bolts or pop rivets in tops.

E. Field Joints

1. Fully weld grind smooth and polish to a number 4 finish. Field joints in bases pull tight and cover with pilaster of same material as base. Minimum field joints required for access into building.

F. Coved Corners

1. Vertical and horizontal corners coved on a ¾” radius and cove at intersections.

G. Enclosed Bases

1. 18 gauge stainless steel formed flat approximately 1” on bottom then formed up to the underside of the top then formed flat approximately 1” to the inside of the cabinet and formed down approximately ½” to create a rigid structure with all seams fully welded, ground smooth and polished. Front rails, mullions, and other components to provide appearance of one piece construction fully welded seamless with no open cracks or ledges.

2. 18 gauge stainless steel U channel filler behind mullions weld in place grind smooth and polish.

H. Legs & Cross rails

1. 1 5/8” outside diameter, 16 gauge stainless steel tubing, fully welded at cross rails, ground smooth, and polished.

2. Fit leg with adjustable stainless steel bullet or flange foot with holes secured to floor with non corrosive anchors.

3. Open base legs fit at top with stainless steel gusset welded 360 degrees to underbracing.

I. Under shelves

1. 18 gauge stainless steel shelves in enclosed bases, turn rear and ends up with a hug edge, fully weld corners grind smooth and polish. Flush shelf with base fully weld, grind smooth and polish.

2. 18 gauge stainless steel shelves in open based, free sides turn down 2” and back ½ “, at wall or tall equipment turn up 2” with corners notched and fully welded to legs, grind smooth and polish.

J. Casters

1. NSF, 5” diameter, polyurethane, all swivel, top operated foot brake, zerk grease fitting, and to support 300 pound load.

K. Drawers

1. Component Hardware S90-0020*M126 with four sided 14 gauge stainless steel frame fully welded corners, flange top in, and bolt to hat channels. S90-0015*M126 for smaller spaces.
2. Provide cylinder locks when specified in itemized specifications, all keyed alike.

L. Sinks and Drain boards

1. 14 gauge stainless steel fully welded construction with all corners coved on ¾” radius.
2. Double wall partitions between sink compartments.
3. Slope drain boards to sink compartment.
4. Crease bottom of sink for proper drainage.
5. Drain boards constructed integral with sink compartments.
6. Fisher 22411*M126 drain with 14 gauge stainless steel bracket.
7. T & S B-231*M126 faucet.

M. Over Shelves

1. 18 gauge stainless steel fully welded construction, form as specified for tops, provide stainless steel underbracing as required to support shelf without deflection turn up 2” at wall and equipment.
2. Table mounted shelves mounted on 1” tubing, 16 gauge stainless steel tubing fully welded to top or back splash.
3. Wall mount shelves on 14 gauge stainless steel brackets attached to wall with stainless steel screws.

2.4 SCHEDULE OF EQUIPMENT

A. For all new kitchen equipment Kitchen Equipment Contractor shall provide:

1. All items with standard features unless specifically modified or deleted.
2. Assembly and installation according to the manufacture’s instructions.
3. Onsite supervision and coordination for all the Kitchen Equipment utility connections.
4. Startup, testing and calibration by the manufacture’s authorized service agencies.

5. Onsite demonstration by the manufacture's representative.
6. All items shall have a one year onsite parts, service and labor warranty.
7. Five year compressor warranty for items with a refrigeration system.
8. Refrigerant(s) and refrigeration system(s) shall comply with all current local, state, national and federal government energy efficiency and energy saving standards.

A. Item 1, 1A, 1B and 2, 2A, 2B and 86, 87 and 88 - Walk in cooler, freezer, beer cooler and refrigeration systems – one lot required

1. Thermo-kool Industries.
2. Fabricated according to details, drawings and specifications.
3. Provide the following:

a. THE BUILDING RECESS OR FLOOR MUST BE LEVELED BY THE KITCHEN EQUIPMENT CONTRACTOR OR WALK IN INSTALLER WITH SELF LEVELING CONCRETE FAILURE TO PROPERLY LEVEL THE AREA WILL VOID THE WALK IN MANUFACTURERS WARRANTY.

b. SILICONE MAY NOT BE USED INSIDE THE WALK IN TO SEAL INTERNAL SEAMS.

c. After complete installation, (including electrical conduits, drains and refrigeration piping and all air tight sealing) prior to refrigeration system start up, Kitchen Equipment Contractor shall blower door test the walk in compartments for ambient air infiltration according to all standards and methods specified in the current ATTMA TSL2 (The Air Tightness Testing and Measuring Association TSL2) for non dwellings. Compartment(s) shall meet or exceed the air leakage standards between normal 0.35 and best practice 0.20 for walk ins (cold stores). Temporarily seal air tight drains, pressure relief ports, etc. Test seams, penetrations, etc. for air leaks with a hand held fog generator, mark any air leaks with non staining bright peel off tape, repair any air leaks found with the fog generator, this may require disassembly, resealing and reassembly. Retest for air leaks until none are detected during the fog test. Test administrator, methods, procedures, testing equipment, written reports and include copy of testing equipment printouts shall be provided according to ATTMA TSL2. Test administrator shall be factory trained, certified and licensed. Testing equipment shall be calibrated before testing. Door opening(s) larger than 34" x 76" will require the Kitchen Equipment Contractor to temporarily reduce the size of the opening with a enclosure that is compatible with the testing equipment and that can withstand the pressure generated during the test. One year onsite parts, service, labor and air leak warranty.

d. The walk ins shall be fully installed sixty days before final completion of the project to allow time for testing and refrigeration system start up.

e. Kitchen equipment contractor shall start up the refrigeration system(s) ten days before the end of the project and allow the system(s) to run until the project is turned over to the owner, any condensation, water or ice forming inside the walk in may require disassembly, drying out, resealing airtight, reassembly and blower door testing.

f. Kitchen equipment contractor shall seal all floor, wall and ceiling panel seams and joints airtight with two (2) continuous 3/8" beads of Kason 3701 butyl sealant apply with a battery operated caulk gun. BUTYL SHALL BE UNEXPOSED, DO NOT APPLY BUTYL TO EXTERIOR.

g. KITCHEN EQUIPMENT CONTRACTOR SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

h. Kitchen equipment contractor shall furnish and seal airtight all penetrations in the walk in panels for all trades with spray polyurethane insulating foam sealant (rigid or closed cell) the thickness of the panel without any voids, allow sealant to fully cure, trim excess and seal the exposed urethane foam on both sides of the panel watertight with silver NSF food grade 100% silicone sealant. KEC SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

i. Kitchen equipment contractor shall furnish, install, coordinate size and location with the electrician NEMA 4 (non metallic) PVC electrical components, conduits, junction boxes, etc. for walk in panel electrical penetrations. Seal airtight around the outside of the conduit with spray polyurethane insulating foam sealant the thickness of the panel without any voids. Seal airtight inside of the conduit around the wires the thickness of the panel without any voids. KEC SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

j. All electrical components inside the walk in shall be watertight.

k. Disconnects used inside the walk ins for evaporators fans and evaporator electric defrost heaters shall be NEMA 4 rated.

l. Kitchen Equipment Contractor shall furnish, install and seal airtight with spray polyurethane insulating foam sealant all penetrations required for the walk ins, KEC SHALL KEEP WALK IN PENETRATIONS TO A MINIMUM.

m. Kitchen equipment contractor shall provide a Thermo-kool Industries factory trained and certified person onsite to supervise the complete assembly and installation of the walk in system. Provide name of factory trained and certified person in submittal documents for verification.

n. Kitchen equipment contractor shall level the floor or recess provided for the walk in with self leveling concrete allow to fully cure according to manufactures instructions before installing walk in. SAND IS NOT ALLOWED FOR LEVELING.

o. NSF certified construction and components. Bear NFS seal.

p. Non standard size as required to fit the space. Wall and ceiling panels shall be built in 1" increments up to 46" wide. Corner panels shall be 90 degree angle, 12" x 12". All like panels shall be fully interchangeable. Field verify all measurements prior to release for fabrication.

q. 0.040 embossed aluminum exposed exterior.

r. 26 gauge stucco embossed galvanized unexposed, exterior.

s. 0.040 embossed aluminum interior.

t. Trim openings on sides (at walls) with matching exterior material angles neatly attached with stainless steel screws.

u. Trim openings on top (at free sides) with matching exterior material, lift off, removable, enclosure panels, attach trim with stainless steel screws.

v. 4” thick zero ozone depleting urethane insulation foamed in place and bonded to interior surfaces of panels. All panels R-32.

w. The perimeter frame of all panels shall be formed with a rigid structural high density urethane insulation forming tongues and grooves (soft edge foam panel construction is not allowed). Cam locks shall be formed into the perimeter frame for easy assembly and disassembly.

x. Panels shall be constructed without interior metal, straps or wood.

y. Insta-Loks cam locks, three per wall, maximum 43” on centers for taller walls. Insta-Loks cam locks in ceiling panels maximum 36” on centers.

z. **ADDENDUM #04 7’-6” (7’-10” overall high)** above building finished floor.

aa. Set in 4” deep recess in building floor.

bb. Beer cooler 7’-0” high above building finished floor, floorless. Verify and coordinated height.

cc. Exterior walk in walls shall be installed 2” off all building walls.

dd. Kitchen equipment contractor shall furnish and install below the walk in floor panels and up all sides of the recess 10 mil polyethylene sheeting with all seams sealed watertight with tape.

ee. Floor foamed in place 1/8” diamond thread aluminum floor with ¾” plywood and structural support.

ff. Beer cooler is floorless with walls sealed air tight in vinal screeds and vinal screeds sealed sir tight to the floor with two (2) continuous 3/8” beads of Kason 3701 butyl sealant apply with a battery operated caulk gun. **ADDENDUM #04 New age aluminum coved base at all walls.**

gg. Beer cooler 34” door, omit door glass panel. Secure door panel to floor with aluminum angle and stainless steel screws.

hh. 34” wide X 78” high doors with 14” x 24” view port and heated, triple pane safety glass, each door. Freezer 30” door.

ii. 14 gauge stainless steel thresholds, 45 degree angle at interior and exterior.

jj. Thermostatically controlled heated door jamb and threshold for cooler and freezer doors.

kk. Kason 1238C chrome polished latch (handle) with cylinder lock and interior glow in the dark twist off safety release, each door.

ll. Kason 1094 chrome polished hydraulic closer, each door.

mm. One Kason 1830, 120/1, heated pressure relief port in the wall between the cooler and freezer.

nn. One Kason 1830, 120/1, heated pressure relief port in the cooler door panel.

oo. Two Kason 1346 chrome polished performer adjustable spring loaded hinges, each door.

pp. Kason Thermalflex vinyl strip door curtains, each door.

qq. Flush mounted 4700HL multi monitor(s) with built in battery back up or equal, PC connect kit, flush mounted MD-1 motion detectors, flush mounted IP-1 illuminated push button panic switches and MC-1 magnetic door contacts pre wired into each door panel.

rr. Kason 1806 LED lights with frosted high impact lexan globe and LED bulbs centered over each door.

ss. Eiko VTS-5CS-40K-U (09712) 48" led light with 50,000 life hours, 120-277/1, 40 watts, 5200 lumen. Kitchen Equipment Contractor shall secure fixtures to the ceiling, unexposed, with stainless steel hardware. DO NOT PENETRATE EXTERIOR OF WALK IN CEILING PANELS TO INSTALL FIXTURES. Two in cooler and two in freezer.

tt. KE2 Therm Solutions evap OEM controllers with recessed basic displays for all evaporator coils. KE2 electronic expansion valves for all evaporator coils. 8 port switch. EM plus wireless router. Cat5e data cables. Set up to KE2 smart access program with computers and devices. Complete installation/set up and fully operational wireless remote temperature motoring system.

uu. Refrigerant(s) and refrigeration system(s) shall comply with all current local, state, national and federal government energy efficiency and energy saving standards.

vv. AL2 compliant R454A refrigerant for refrigeration systems.

ww. ¾ horse power **ADDENDUM #04 (7,620 btu)** and sized to maintain +35 degree temperature, pre wired preassembled remote cooler condensing unit, 208/1 with outside weatherproof cover, expansion valve, dryer, sight glass, temperature control, pump down solenoid valve, pressure control, suction line vibration eliminator, coil mounting kit, crankcase heater, headmaster valve, etc. Evaporator coil, 120/1. 105 degree ambient. KE2 Therm Solutions components and stands must be included with refrigeration systems.

xx. **ADDENDUM #04 2 1/3 horse power (5,835 btu)** and sized to maintain -10 degree temperature, pre wired preassembled remote freezer condensing unit, 208/1 with outside weatherproof cover, expansion valve, dryer, sight glass, temperature control, pump down solenoid valve, freezer time clock (when required), pressure control, suction line vibration eliminator, coil mounting kit, crankcase heater, headmaster valve, etc.. Evaporator coil, 208/1, drain line heat tape. 105 degree ambient. KE2 Therm Solutions components and stands must be included with refrigeration systems.

yy. **ADDENDUM #04 ½ horse power (6,490 btu)**, Beer cooler, and sized to maintain +34 degree temperature, pre wired preassembled remote cooler condensing unit, 208/1 with outside weatherproof cover, expansion valve, dryer, sight glass, temperature control, pump down solenoid valve, pressure control, suction line vibration eliminator, coil mounting kit, crankcase heater, headmaster valve, etc. Evaporator coil, 120/1. 105 degree ambient. KE2 Therm Solutions components and stands must be included with refrigeration systems. **ADDENDUM #04 Evaporator coil RAL6A062ADA**.

zz. Kitchen equipment contractor shall furnish and install copper refrigeration lines from evaporator coils to condenser properly sized for length of run, suction lines insulated with 1" UV rated arma flex, liquid lines insulated with ½" UV rated arma flex, seal all arma flex seams water tight. Seal all building penetrations for lines air tight with spray foam insulation. **ADDENDUM #04 approximately 150'-0" refrigeration system line runs in PVC chase underground. PVC chases underground furnished and installed by others.**

aaa. Support refrigeration lines from structure and run refrigeration lines in chase(s) from condenser to evaporator coil.

bbb. 14 gauge removable U shaped stainless steel trim to cover refrigeration lines.

ccc. Refrigeration lines shall be wrapped with white Speedline or equal 0.020 mil. UV rated cut and curl PVC jacketing with SSL self seal lap with all seams sealed water tight with PVC liquid adhesive.

ddd. Refrigerant(s) and refrigeration system(s) shall comply with all current local, state, national and federal government energy efficiency and energy saving standards.

eee. Electrical contractor to furnish and install NEMA 4 electrical disconnect for the cooler and or freezer evaporator coil fans and in the freezer a NEMA 4 electrical disconnect for the evaporator coil defrost heater.

fff. Kitchen equipment contractor shall hang evaporator coils with nylon (only non metallic) all thread rod and stainless steel nuts and washers, seal penetrations air tight.

ggg. Raychem H622, 208/1 (H612, 120/1), wet location winter guard self regulating drain line heat tape(s) with connection kits and H912 gel fill end seal kits. One piece tape with no tees or splices. Heat tape of sufficient length and installed to prevent freezing of walk in drain pipes. Hard wire heat tape to evaporator coil.

hhh. Set condensers air intake side 36" minimum from walls, etc. and 36" minimum exhaust side from walls, etc. Set ends 36" minimum from other condensers, walls, etc. Do not set condensers in the exhaust path of any other heat generating equipment.

iii. Custom fabricated condenser stand and or wall mounting rack for each condensing unit, fully welded, 24" high, 14 gauge stainless steel top, 12 gauge stainless steel angle frame and legs, tabs with holes welded to bottom of each leg. Secure stand/rack legs with non corrosive anchors. Secure condenser to the stand/rack with stainless steel screws.

jjj. Roof and or curb mounted set units on four Adamax RTS14-10 or equal, 10" long, 650 pound capacity rubber blocks with galvanized uni strut. Secure condenser frame to block with galvanized anchors at all four corners. Provide a layer of Duro-last DL-40 vinyl 40 mil material between the roof and the blocks when blocks are set directly on the roof.

kkk. Roof curbs for refrigeration systems shall be furnished installed by the general contractor, roofer or other trades on site during building construction, coordinate size.

lll. Kitchen equipment contractor shall furnish and install 3/4" hard copper drain lines from evaporator coils to floor drain, slope 1/2" to 12" minimum, fully insulated with ¾" arma-flex insulation, provide clean out tees with plugs and P traps to prevent the back flow of air into

freezer from the cooler, or exterior, and from the kitchen into the cooler. Drain pipe to exit the walk in approximately 12” above finished floor, seal penetrations air tight.

mmm. Provide all components required for the complete and proper operation of the walk-in cooler and freezer for the location, region, climate, altitude, etc. of the installation.

nnn. 3/16” diamond thread aluminum kick plate 36” high on interior and exterior of each door.

ooo. 3/16” diamond thread aluminum kick plate 36” high on interior and exterior of the door panels, notch above floor base material as required.

ppp. 3/16” diamond thread aluminum kick plate 36” high at exposed exterior, stop kick plate 4” from building walls to allow space for installation of angle trim.

qqq. Beer cooler 3/16” diamond thread aluminum kick plate 36” high at all interior and exterior walls.

rrr. The walk in and refrigeration systems shall be set in the location shown on the kitchen plans. The kitchen equipment contractor will be required to disassemble, move and reinstall the walk-in and refrigeration systems if not set how and where shown.

sss. Internal and or external structure and all hardware required to support, fully assemble and install walk in the location shown on the plans.

ttt. Kitchen equipment contractor shall provide and seal air tight all penetrations in the walk in panels for all trades, verify and coordinate.

uuu. Kitchen equipment contractor shall fully insulate all fire sprinkler pipes as required to prevent condensation, water and ice and from forming on the pipe and dripping inside and or on to the exterior top of the walk in.

vvv. Kitchen equipment contractor shall furnish, install, coordinate size and location with the electrician of NEMA 4 PVC (only non metallic) electrical components for walk in panel electrical penetrations. Seal around the outside of the conduit airtight. Seal airtight inside of conduit around wires 4” thick from one side of the panel to the other.

www. KEC KEEP WALK IN PENETRATIONS TO A MINIMUM.

xxx. All electrical components inside the walk in shall be watertight.

yyy. Preassemble walk in at factory for a complete quality control inspection.

zzz. Kitchen equipment contractor personnel shall be onsite during all kitchen equipment ductwork, plumbing and electrical final connections.

B. Item 3 – Walk in shelving – four required

1. Metro metroseal 3, super erecta.
2. Provide the following:

a. Two units with four 18” x 48” wire shelves and four 63” high post, each unit.
b. One unit with four 18” x 60” wire shelves and four 63” high post.
c. One unit with five 18” x 72” wire shelves and four 74” high post.
d. Field verify space and adjust sizes to fit the space as required.
e. Assemble onsite verify and coordinate shelf spacing with owner.

C. Item 4 – Dry storage shelving – three required
1. Metro metroseal 3, super erecta.
2. Provide the following:
a. Two units with five 21” x 72” wire shelves and four 74” high post, each unit.
b. One unit with fiver 18” x 36” wire shelves and four 74” high post.
c. Field verify space and adjust sizes to fit the space as required.
d. Assemble onsite verify and coordinate shelf spacing with owner.

D. Item 5 – Air curtain – one required
1. Mars STD242-1U.
2. Provide the following:
a. 120/1.
b. Motor control panel.
c. Door limit switch.
d. Adjustable wall mounting brackets.
e. Grey color.

E. Item 6 – Bun pan rack – one required
1. Advance tabco PR203W, fully welded construction.

F. Item 7 – Table with sink – one required
1. Fabricated according to details, drawings and specifications.
2. Provide the following:
a. 14 gauge stainless steel one piece coved corner top.

b. Marine edge where shown 35 ½" to top.

c. 36" high to top of marine edge.

d. 8" high splash at walls from top of marine edge, 8 ½" high from top.

e. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.

f. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME.

g. Copper flashed weld studs capped with stainless steel acorn nuts.

h. ¾" tacky tape between all metal surfaces, installed to create a vermin proof seal.

i. Stainless steel gussets fully welded 360 degrees to channels.

j. 1 5/8" 16 gauge stainless steel tubing legs.

k. 1 5/8" 16 gauge stainless steel tubing crossrails fully welded 360 degrees to legs.

l. Stainless steel adjustable bullet feet.

m. Stainless steel flanged feet with two holes at four corners, secure to floor with two non corrosive anchors.

n. One 18" X 20" X 10" deep 14 gauge stainless steel coved corner sinks.

o. T & S B-0184-CR faucet.

p. Fisher 22411 lever handle drain(s) with 14 gauge stainless steel handle bracket secure to sink bottom with weld studs and stainless steel acorn nuts, hole in bracket 1/8" maximum larger (LARGE HOLE OR ELONGATED SLOT IS NOT ALLOWED) than handle diameter. MODIFIED drain handle length (reduce or extend) to make the drain handle flush with the face of the sink bowl.

q. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash secured to brackets fully welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls (rear).

r. Channels shall be welded to each other with a 1"x1" x 4" x 1"x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

s. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

t. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.

u. Z clip splash to wall, unexposed.

G. Item 8 – Table – two required

1. Fabricated according to details, drawings and specifications.

2. Provide the following:

   a. 14 gauge stainless steel coved corner top. 36” high to top.

   b. All free sides turned down 1 ½” and back ½” on a slight angle.

   c. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.

   d. Copper flashed weld studs capped with stainless steel acorn nuts.

   e. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME

   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.

   g. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.

   h. Stainless steel gussets fully welded 360 degrees to channels.

   i. 1 5/8” 16 gauge stainless steel tubing legs.

   j. 5” diameter polyurethane casters all with brakes and 300 pound load capacity each.

   k. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channel or plate with a 360 degrees continuous weld, typical.

   l. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

H. Item 9 – Refrigerator – one required

   1. Traulsen G10010 or equal by Continental.

   2. Provide the following:

      a. 120/1 with cord and plug.

      b. Seven pair universal angle slides with mounting hardware.

      c. Reach in refrigerators and freezers must be from the same manufacture.

I. Item 10 – Freezer – one required

   1. Traulsen G12010 or equal by Continental.

   2. Provide the following:

      a. 120/1 with cord and plug.

      b. Seven pair universal angle slides with mounting hardware.

      c. Reach in refrigerators and freezers must be from the same manufacture.

J. Item 11 – Soiled dishtable – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece coved corner top.
   b. 3” high with a 1½” diameter semi-roll at free sides.
   c. 18” high splash at walls. Reduce to 8” through pass thru opening.
   d. Notch splash for roll up door track, verify and coordinate.
   e. 14 gauge stainless steel fully welded channels, cap front.
   f. Copper flashed weld studs capped with stainless steel acorn nuts.
   g. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   h. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   i. 21” X 21” X 5” deep 14 gauge stainless steel coved corner pre-rinse sink with removable perforated 16 gauge stainless steel scrap basket and 1” round stainless steel tubing rack runners fully welded to basket.
   j. T & S B-0133-CR-B08C*M126 pre rinse faucet with ceramic cartridges and riser support secured to wall with stainless steel screws.
   k. Fisher 30376 basket drain.
   l. The Drain Strainer 1392 installed below sink.
   m. Stainless steel gussets fully welded 360 degrees to channels.
   n. 1 5/8” 16 gauge stainless steel tubing legs.
   o. 1 5/8” 16 gauge stainless steel tubing crossrails fully welded 360 degrees to legs.
   p. Stainless steel adjustable bullet feet.
   q. Stainless steel adjustable flanged feet with two holes at all front legs secure to floor with two non corrosive anchors.
   r. Z clip splash to walls, unexposed.
   s. Channels shall be welded to each other with a 1” x 1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.
   t. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.
   u. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

K. Item 12 – Scrap collector – one required

1. The Drain Strainer 1392. Note cost approximately $1,200.00.

L. Item 13 – Dishmachine, vent free - one required

1. Hobart AM-16VLT-BAS, CORNER.
2. Provide the following:
   a. 208/1
   b. Separate electrical connections.
   c. Rapid fill kit for hot water connection.
   d. Built in 70 degree rise booster heater.
   e. Drain water tempering kit factory installed.
   f. Electric tank heat.
   g. Tall tank.
   h. Splash shield for corner installations.
   i. Hobart rack for washing 18 x 26 bun pans.
   j. Two combination (flat) racks.
   k. Four peg racks.
   l. Brass pressure regulator valve, as required.
   m. Water hammer arrestor kit.

M. Item 14 – Clean dishtable with pot and pan sink– one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. Pot sink is integral with the clean dishtable.
   b. 14 gauge stainless steel one piece coved corner top.
   c. 3” high with a 1½” diameter semi-roll at free sides.
   d. 18” high splash at walls.
   e. 14 gauge stainless steel fully welded channels, cap front.
   f. Copper flashed weld studs capped with stainless steel acorn nuts.
   g. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.

h. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls.

i. Stainless steel gussets fully welded 360 degrees to channels.

j. 1 5/8" diameter 16 gauge stainless steel tubing legs.

k. 1 5/8" diameter 16 gauge stainless steel crossrails fully welded 360 degrees to legs.

l. Stainless steel adjustable bullet feet.

m. Stainless steel flanged feet with two holes at all front legs, secure to floor with two non corrosive anchors.

n. Weld in partition NO SPLIT BOWLS allowed.

o. Three 19" X 26½" X 15" deep (12" deep from top) 14 gauge stainless steel coved corner sinks.

p. One approximately 21" long 14 gauge stainless steel coved corner integral drainboards.

q. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½" and back ½" on a slight angle and at all walls turn up 2".

r. One T & S B-231-CR faucet with ceramic cartridges.

s. One T & S B-0184 faucet with spray hose and ceramic cartridges.

t. Fisher 22411*M126 lever handle drain(s) with 14 gauge stainless steel handle bracket secure to sink bottom with weld studs and stainless steel acorn nuts, hole in bracket 1/8" maximum larger (LARGE HOLE OR ELONGATED SLOT IS NOT ALLOWED) than handle diameter. MODIFIED drain handle length (reduce or extend) to make the drain handle flush with the face of the sink bowl.

u. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash secured to brackets fully welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls (rear).

v. Z clip splash to wall, unexposed.

w. Channels shall be welded to each other with a 1"x1" x 4" x 1"x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

x. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.

y. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

N. Item 15 – Table with heat lamp – one required

1. Fabricated according to details, drawings and specifications, 36" high to top.

2. Provide the following:

a. Depth to match item 26 fryer.

b. 14 gauge stainless steel one piece coved corner top.

c. Top turned down 1½" and back ½" on a slight angle on all free sides.

d. Copper flashed weld studs capped with stainless steel acorn nuts.

e. ¾" tacky tape between all metal surfaces, installed to create a vermin proof seal.

f. Two 14 gauge stainless steel hat channels full length, fully welded to end channels. DO NOT OMIT OR NOTCH CHANNELS FOR DRAWER FRAME

g. Stainless steel gussets fully welded to channels.

h. 1 5/8" 16 gauge stainless steel tubing legs.

i. 1 5/8" 16 gauge stainless steel tubing crossrails fully welded to legs.

j. Stainless steel adjustable bullet feet.

k. 16 gauge stainless steel removable overshelf mounted on 1 5/8" outside diameter tubing supports through splash secured to brackets fully welded to legs, 2" X 3/16" stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8" on centers. Mount 60" above finished floor (66" at pot sink/dishtable), verify height with owner. Free sides turned down 1 ½" and back ½" on a slight angle and turn up 2" at walls (rear).

l. Channels shall be welded to each other with a 1" x 4" x 1" continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

m. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.

n. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

o. Hatco GRFFBL heat lamp, 120/1 with cord and plug.

O. Item 16 – 8 quart mixer – one required

1. Kitchen Aid Commercial KSMC895WH,120/1 with cord and plug and standard accessories.

P. Item 17 – 60 quart mixer – one required

1. Hobart HL6000.
2. Provide the following:
   a. 208/1 with cord and plug.
   b. 60 quart stainless steel bowl.
   c. 60 quart B beater.
   d. 60 quart D wire whip.

e. 60 quart ED dough hook.

f. Ingredient chute.

g. Lexan splash cover.

h. Rubber foot pads.

Q. Item 18 – 20 Quart mixer – one required

1. Hobart HL200.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. 20 quart stainless steel bowl.
   c. 20 quart B beater.
   d. 20 quart D wire whip.
   e. 20 quart ED dough hook.
   f. Ingredient chute.
   g. Lexan splash cover.
   h. Rubber foot pads.
   i. Piper MX-29-TSS stand with MX-52-R accessories rack.

R. Item 19 – Not used.

S. Item 20 – Food processor – one required

1. Robot coupe CL50.
2. Provide the following:
   a. 120/1 with cord and plug
   b. Sixteen disc package, in addition to the standard disc package included.
   c. 5/16” dicing plate kit.

T. Item 21 – Can opener – one required

1. Edlund 270, 120/1 with cord and plug.

U. Item 22 – Heater and proofer cabinet – one required

1. Metro C539-CLFC-U-GY.
2. Provide the following:
   a. 120/1/1 with cord and plug, low watt 12 amps.
   b. Hinge door left.
   c. Grey color.

V. Item 23 – Ice cream freezer – one required

1. Master built DC-2S-SE.
2. Provide the following:
   a. 120/1 with cord and plug
   b. SE all stainless steel cabinet.
   c. Casters.

W. Item 24 – Heated dipperwell – one required

1. Server CW-DI 87770.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Cut out in counter top by others.

X. Item 25 – Combi oven, double stacked – one required

1. Rational, 6 pan full size, iCombi Pro, double stacked.
2. Provide the following:
   a. iCombi Pro on top iCombi Pro on bottom, double stacked.
   b. Full size, 18 x 26 sheet pan sized cooking chamber.
   c. Six level hinging rack for each section.
   d. Natural gas, each unit.
   e. 208/1 with cord and plug, each unit.
   f. Installation kit(s), one for each section.
   ~~f.~~g. One 8” high stainless steel fixed leg kit.

~~g.~~h. Four (eight total) stainless steel wire grid shelves for each oven section.

~~h.~~i. Six 12” x 20” fry baskets.

~~i.~~j. Two chicken and duck racks.

~~j.~~k. Two potato baker racks.

~~k.~~l. Two rib racks.

~~l.~~m. One Vari smoker, do not mount to the door.

~~m.~~n. PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR IN THE DRAIN PIPES, Two required 2” diameter Cool Drain Flow, Inc drain water tempering valve sized to reduce drain water to below 140 degrees. Provided by KITCHEN EQUIPMENT CONTRACTOR not provided by plumber or Rational. REQUIRED TO PREVENT PVC DRAIN PIPE FROM MELTING. Two required.

~~n.~~o. Water pressure regulator required for proper operation. Provided by KITCHEN EQUIPMENT CONTRACTOR not provided by plumber or Rational.

~~o.~~p. Backflow preventer required for proper operation. Provided by KITCHEN EQUIPMENT CONTRACTOR not provided by plumber or Rational.

~~p.~~q. Test local water source with free kit provide by Rational. Water quality that does not meet Rational standards may require proper water conditioning at an additional cost.

~~q.~~r. Heat shield on control side when less than 14” from open flame, as required.

~~r.~~s. Rational certified service agency installation with receiving, delivery, set up and testing and connections, for fully operational units.

~~s.~~t. Two additional bucket of 150 active green clean tablets, four total.

~~t.~~u. Four hours onsite training with a Rational certified chef.

~~u.~~v. Two year onsite parts and labor warranty, each unit.

~~v.~~w. Five year steam generator warranty, each unit.

Y. Item 26 – Fryer – one required

1. Frymaster H55.
2. Provide the following:
   a. 120/1.
   b. Natural gas with pressure regulator, each unit.
   c. Stainless steel fry pot, door and cabinet, each unit.
   d. Fry pot cover, each unit.
   e. Sediment tray, each unit.

f. Safe-T-Link HG-4D3/4”-48-SK gas hose kit with quick disconnect and swivel ends. Secure restraining device to wall/equipment. Coordinate gas hose size with equipment.

Z. Item 27 – Range – one required

1. US Range G60-4G36CR or equal by Southbend.
2. Provide the following:
   a. Four burners.
   b. 36” Griddle on left.
   c. Natural gas with pressure regulator.
   d. One 26” convection oven and one 26” standard oven.
   e. Thermostatic griddle with modulating snap-action control, 175° to 425° F.
   f. Piezo spark ignition for pilots on griddles.
   g. Stainless steel front and sides.
   h. Stainless steel back guard and high shelf.
   i. Stainless steel legs and adjustable feet.
   j. Reinforced high shelf for mounting item 28 broiler.
   k. Safe-T-Link HG-4E1”-48-SK gas hose kit with quick disconnect, double swivel ends. Coordinate hose size with equipment. Secure restraining device to the building wall and equipment.

AA. Item 28 – Overhead broiler – one required

1. US Range GIR60 or equal by Southbend.
2. Provide the following:
   a. 36” broiler.
   b. Natural gas with pressure regulator.
   c. Rear gas inlet.
   d. Interconnecting gas piping kit for range-mounting.
   e. Balance of back guard to have a stainless steel shelf.
   f. Salamander mounted on right of back guard.

BB. Item 29 – Counter top steamer – one required

1. Roundup DFW150, 230/1 with cord and plug.

CC. Item 30 – Hood – one required

1. Furnished and installed by the mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

DD. Item 31– Fire control system – one required

1. Furnished and installed by the mechanical contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

EE. Item 32 – Hand sink with end splashes – three required

1. Furnished and installed by plumbing contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

FF. Item 33 – Bread rack – one required

1. Furnished and installed by vendor.

GG. Item 34 – Heated cabinet – one required

1. Metro C539-CLFC-U-GY.
2. Provide the following:
   a. 120/1/1 with cord and plug, low watt 12 amps.
   b. Hinge door left.
   c. Grey color.

HH. Item 35 – Toaster – one required

1. Hatco TQ-400 or equal by Waring.
2. Provide the following:
3. 120/1/1 with cord and plug.
4. 1800 watts.

II. Item 36 – Work table – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel coved corner top. 36” high to top.
   b. 8” high splash at walls.
   c. All free sides turned down 1 ½” and back ½” on a slight angle.
   d. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   e. Copper flashed weld studs capped with stainless steel acorn nuts.
   f. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   g. Two 14 gauge stainless steel hat channels full length, fully welded to end channels.
   h. 1 5/8” 16 gauge stainless steel tubing legs.
   i. Stainless steel gussets fully welded to channels.
   j. Adjustable stainless steel bullet feet.
   k. Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS. Locks with keys
   l. 16 gauge stainless steel overshelf mounted on 14 gauge stainless steel brackets, 2” X 3/16” stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8” on centers. Mount 60” above finished floor (66” at pot sink/dishtable), verify height with faucet and owner. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   m. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.
   n. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.
   o. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.
   p. Z clip splash to wall, unexposed.

JJ. Item 37– Panini Grill – one required

1. Equipex Panini VG.
2. Provide the following:
   a. 208/1 with cord and plug.
   b. Ribbed top and smooth bottom.

KK. Item 38– Microwave – one required

1. Panasonic NE-1054F, 120/1 with cord and plug.

LL. Item 39 – Soup hot well, counter top – two required

1. APW RW-2V or equal.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. 1200 watts.

MM. Item 40 – Work table – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel coved corner top. 36” high to top.
   b. 34” deep top.
   c. 8” high splash at walls.
   d. All free sides turned down 1 ½” and back ½” on a slight angle.
   e. 18 gauge stainless steel undershelf where space allows notched and fully welded to legs. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.
   f. Copper flashed weld studs capped with stainless steel acorn nuts.
   g. ¾” tacky tape between all metal surfaces, installed to create a vermin proof seal.
   h. Two 14 gauge stainless steel hat channels full length, fully welded to end channels.
   i. 1 5/8” 16 gauge stainless steel tubing legs.
   j. Stainless steel gussets fully welded to channels.
   k. Adjustable stainless steel bullet feet.
   l. Component Hardware S90-0020-N drawer with 14 gauge stainless steel four sided fully welded seamless frame. Install with stainless steel screws. Frame is removable from channels and drawer. DO NOT OMIT OR DELETE ANY CHANNELS. Locks with keys
   m. 16 gauge stainless steel overshelf mounted on 14 gauge stainless steel brackets, 2” X 3/16” stainless steel band fully weld to brackets full length and stainless steel double sided pot hooks 8” on centers. Mount 60” above finished floor (66” at pot sink/dishtable), verify height with faucet and owner. Free sides turned down 1 ½” and back ½” on a slight angle and turn up 2” at walls.

n. Channels shall be welded to each other with a 1”x1” x 4” x 1”x 1” continuous weld, typical. Gussets shall be welded to channels or plate with a 360 degrees continuous weld, typical.

o. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

p. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.

q. Z clip splash to wall, unexposed.

NN. Item 41 - Hot food counter – one required

1. Duke TEHF-60.
2. Fabricated according to details, drawings and specifications.
3. Provide the following:
   a. 208/1 with cord and plug.
   b. NOTE 8’-0” long cord and plug, in place of standard 6’ cord.
   c. 14 gauge stainless steel top.
   d. 34” deep top.
   e. 36” high to top.
   f. 900 watt sealed hot food wells with manifold drains and drain valve.
   g. Mater toggle switch with indicator lights.
   h. EXPRESSION DRAIN HANDLES.
   i. Drain valve handle with bracket to extend to face of base on operators side, each unit.
   j. Stainless steel base.
   k. Polyurethane casters two with brakes.

OO. Item 42 – Sandwich unit – one required

1. True TSSU-60-24M-B-ST-HC, 120/1 with cord and plug.

PP. Item 43 – Double overshelf – one required

1. Fabricated according to details, drawings and specifications.
2. Provide the following:
   a. 14 gauge stainless steel one piece.
   b. To sit on top of the low wall and return to cover top of end wall.

c. Free sides turned down 1½” and back ½” on a slight angle.

d. Notch outside corners 2” x 2”.

e. Notch lower shelf at one end for hot food wells.

f. Junction box under top over shelf with concealed conduit to underside of bottom shelf for heat lamp

g. 1” od stainless steel tubing fully welded to top of bottom shelf to support top shelf.

h. Bracket for mounting heat lamp remote infinite control

i. 14 gauge stainless steel channels, angles brackets and fillers to secure overshelf to top of wall and fully support the shelf. Furnish all material and labor required for a complete installation. Secure brackets into building wall studs to adequately support the overshelf.

j. Below top overshelf provide 1½” clearance (air gap between heat lamp and overshelf).

k. 18 ga ss wall paneling from floor to underside of over shelf to cover wall behind item 40, 41 and 42 and on wall at left end of item 40.

l. 18 gauge stainless steel wall panel on the rear and one end of service wall approximately 60” high, secure to wall with a fire rated contact cement applied to the wall and paneling, only vertical seams no horizontal seams, and field cut openings for utility outlets and provide stainless steel cover plates for all outlets.

m. Component hardware stainless steel trim at all exposed sides of the panels and internal and external corners.

n. 14 gauge stainless steel one piece U shaped caps at ends of each wall.

o. Install level, true and square, make all adjustment and modifications required to fit the field conditions.

p. Seal all seams and gaps vermin proof with a 100% food grade silicone sealant.

q. All welding and stainless steel surfaces grind smooth and polished to a number 4 finish.

QQ. Item 44 – Heat lamp – one required

1. Hatco GR-60.

2. Provide the following:

a. 120/1.

b. Stainless steel.

c. Lead to reach electrical outlet.

d. Remote infinite control mounted below upper overshelf on a 14 gauge stainless-steel bracket.

e. Adjustable brackets for mounting.

f. Below overshelf provide 1½” clearance (air space between heat lamp and overshelf).

RR. Item 45 – Millwork counters – one lot required

1. Furnished and installed by millwork contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

SS. Item 46 – Refrigerator – one required

1. Traulsen G20010 or equal by Continental.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Fourteen pair (seven each door) universal angle slides with mounting hardware.
   c. Reach in refrigerators and freezers must be from the same manufacture.

TT. Item 47 – Cold pan – one required

1. Hatco CWBP-4 or equal.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Pan set down 2” below top.
   c. Gasket, factory installed to seal flange to counter top without silicone.
   d. False bottom.
   e. 14 gauge stainless steel bracket in counter base for mounting remote controls.
   f. Cut out in counter top by others.

UU. Item 48 – Sneeze guard – one required

1. Premier metal and glass FM2N-G or equal.
2. Provide the following:
   a. Satin finish.
   b. 3/8” glass.
   c. Glass with rounded corners.
   d. Two end panels.

e. 641/1 above counter surface mount flanges.

f. LED display lights.

g. 14 gauge stainless steel bracket in counter base for mounting remote controls.

h. Cut out in counter top by others.

VV. Item 49 – Millwork counters – one lot required

1. Furnished and installed by millwork contractor.
2. Kitchen Equipment Contractor shall coordinate installation with kitchen equipment.

WW. Item 50 – Refrigerated grab and go, flush with countertop – one required

1. Federal URCSL4833S.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Stainless steel interior including step riser.
   c. Stainless steel shelf with LED light.
   d. Special exterior finish.
   e. Energy saving night cover.
   f. Condensate pump.
   g. 6” high legs. Unit to sit into millwork counter verify and coordinate with millwork contractor.
   h. Self contained refrigeration system.
   i. Verify and coordinate installation into the millwork counter.
   j. Rear of counter base open for air flow.
   k. Cut out in counter top by others.

XX. Item 51 – Refrigerated pastry case – one required

1. Federal ITR4826.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Self contained refrigeration system.
   c. Stainless steel exterior.

d. Condensate pump.

e. LED lights.

f. Energy saving night cover.

g. Verify and coordinate installation into the millwork counter.

h. Rear of counter base open for air flow.

i. Cut out in counter top by others.

YY. Item 52 – POS system – one lot required

1. Furnished and installed by owner.

ZZ. Item 53 – Coffee dispenser – one lot required

1. See Item 65 coffee brewer.

AAA. Item 54 – Undercouter refrigerator – two required

1. True TUC-24-HC, 120/1 with cord and plug.

BBB. Item 55 – Espresso head with generator – one required

1. La Marzocco, Modbar, AV-1 Group + Steam.
2. Provide the following:
   a. 208/1 with cord and plug each unit.
   b. Polished finished.
   c. Drip trough with scale for AV-1.
   d. Drip trough for Steam
   e. Generator for espresso and generator for steam.
   f. La Marzocco, Modbar water filter for espresso and steam generators.
   g. Verify and coordinate installation into the millwork counter.
   h. Ventilation in counter base open for air flow.
   i. 18” x 24” double (two shelves) height stainless steel wire shelf for the generators to sit on in the counter base, four post 30” high, verify and coordinate size and height with installation.
   j. Cut out in counter top by others.

CCC. Item 56 – Steam head with generator – one required

1. La Marzocco, Modbar, see item 55.
2. Provide the following:
   a. See item 55

DDD. Item 57 – Espresso grinder – one required

1. La Marzocco, Modbar, Swan coffee grinder, 120/1 with cord and plug.

EEE. Item 58 – Rinser – one required

1. Advance SU-16.
2. Provide the following:
   a. Verify and coordinate installation into the millwork counter.
   b. Cut out in counter top by others.

FFF. Item 59 – Knock box – one required

1. Vollrath E0606-KB.
2. Provide the following:
   a. Modified and customized, reduce to 3” high, neatly and evenly cut bottom off and grind smooth, remove all sharp edges, on inside and outside edges.
   b. Seal to counter top with a 50 year food grade clear silicone.
   c. Verify and coordinate installation into the millwork counter.
   d. Cut out in counter top by others.

GGG. Item 60 – Trash can – two required

1. Rubbermaid 1971258, 25” high, 16 gallon, slim trash can, each unit.

HHH. Item 61 – Ice maker, cubed – one required

1. Manitowoc IYT0620A or Scotsman equal,
2. Provide the following:

a. 120/1.

b. Adaptor(s) required for ice maker to mount on bin.

c. D570 stainless steel bin.

d. Cuno ICE120-S water filter. DO NOT MOUNT WATER FILTER BEHIND ICE MAKER.

III. Item 62 – Sink, drop in – one required

1. Furnished and installed by the plumbing contractor.

JJJ. Item 63 – Ice chest, drop in– two required

1. Delfield 305.
2. Provide the following:
   a. Verify and coordinate installation into the millwork counter.
   b. Cut out in counter top by others.

KKK. Item 64 – Blender – three required (three future not in contract)

1. Future, not in contract, all three future.

LLL. Item 65 – Coffee brewer – one required

1. Bunn o matic 53001.0100.
2. Provide the following:
   a. 120/208/1.
   b. One 39000.0004 water filter.
   c. Install water filter below in counter base.
   d. Six 32125.0000 airpot.

MMM. Item 66 – Coffee grinder – one required

1. Bunn o matic 24250.0021.
2. Provide the following:
   a. 120/1 with cord and plug.

NNN. Item 67 – Tea brewer – one required

1. Furnished and installed by vendor.

OOO. Item 68 – Tea dispenser – two required

1. Furnished and installed by vendor.

PPP. Item 69 – Soda system – one required

1. Furnished and installed by vendor.

QQQ. Item 70 – Cup dispenser – one required

1. San Jamar C2804.

RRR. Item 71 – Bag in box rack – one required

1. Furnished and installed by vendor.

SSS. Item 72 – Trash can, slim, bar – one required

1. Rubbermaid FG354060GRAY with FG267360GRAY lid.

TTT. Item 73 – Hand sink, bar – one required

1. Eagle HS12-19 MODIFIED or equal.
2. Provide the following:
   a. Back bar equipment shall be furnished by one manufacturer.
   b. B-1110-187XWSCR faucet with ceramic cartridges.
   c. Stainless steel gussets.
   d. Stainless steel legs.
   e. Stainless steel feet.
   f. Modified and customized, cut and notch splash to fit below the ADA bar counter area. Neatly notch the splash, fully weld in stainless steel filler(s) to cover notch. Grind welding smooth and polish to a number 4 finish.

UUU. Item 74 – Work top, bar – two required

1. Eagle WB2-18 (24” wide) or equal.
2. Provide the following:
   a. Single tier speed rail, each unit.
   b. Stainless steel gussets, each unit.
   c. Stainless steel legs, each unit.
   d. Stainless steel feet, each unit.

VVV. Item 75 – Blender, bar – one required (future not in contract)

1. Future, not in contract.

WWW. Item 76 – Blender station with dump sink, bar – one required

1. Eagle BS14-19 or equal.
2. Provide the following:
   a. B-1110-187XWSCR faucet with ceramic cartridges.
   b. Stainless steel gussets.
   c. Stainless steel legs.
   d. Stainless steel feet.

XXX. Item 77 – Cocktail unit, bar – one required

1. Eagle B2CT-18-7 (24” wide) or equal.
2. Provide the following:
   a. Built in 7 circuit cold plate for soda system.
   b. Single tier speed rail.
   c. Sliding lid.
   d. Stainless steel gussets.
   e. Stainless steel legs.
   f. Stainless steel feet.

YYY. Item 78 – Sparkling water dispenser – two required

1. Blupura T-Flow 3W, polished stainless steel.
2. Provide the following:
   a. Sparkling water, cold water and ambient water
   b. Polished stainless steel finish, each unit.
   c. Two top mounted drainer, Perlick C18640A, one each unit.
   d. For outdoor unit Raychem H612, 120/1, wet location winter guard self regulating drain line heat tape(s) with connection kits and H912 gel fill end seal kits. One piece tape with no tees or splices. Heat tape of sufficient length and installed to prevent freezing of water pipes provide plug or hard wire to outlet.
   e. Verify and coordinate installation into the millwork counter.
   f. Cut out in counter top by others.
   g. Labor and materials for all water piping by the plumber.

ZZZ. Item 79 – Soda gun with carbonator, bar – one required

1. Furnished and installed by vendor.

AAAA. Item 80 – Glass washer, bar – one required

1. CMA GW-100.
2. Provide the following:
   a. 120/1 with cord and plug.

BBBB. Item 81 – **ADDENDUM #04, Omit**

CCCC. Item 82 – Beer cooler, bar – one required

1. Perlick BBS60.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Refrigeration system on right.
   c. Cabinet stainless steel.
   d. Solid stainless steel doors.
   e. 24” stainless steel door handles.

f. Verify and coordinate installation into the millwork counter.

DDDD. Item 83 – Beer tap, bar – one required

1. Perlick 4073-6PO-SS Avenue T pipe tower.
2. Provide the following:
   a. Top mounted drainer, C18650A.
   b. Black tap handles.
   c. Openings in counter top for tap, trunk and drip trough by others.
   d. All components required for a complete operational beer dispensing system, see item 90 power pack.
   e. Kitchen equipment verify and contractor to coordinate bar construction with beer dispensing equipment.
   f. Installation and assembly according to Perlick instructions and details. Start up, calibration and demonstration by Perlick factory authorized service agency.
   g. Verify and coordinate installation into the millwork counter.
   h. Cut out in counter top by others.

EEEE. Item 84 – Glass chiller, bar – one required

1. Perlick HC24FS4.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Cabinet stainless steel.
   c. Solid stainless steel door.
   d. 24” stainless steel door handle.
   e. Hinge door left.
   f. Verify and coordinate installation into the millwork counter.

FFFF. Item 85 – Wine cooler, bar – one required

1. Sumit182Z.
2. Provide the following:
   a. 120/1 with cord and plug.

b. Dual zone temperature control half red wine and half white wine.

c. Hinge door left.

d. Verify and coordinate installation into the millwork counter.

GGGG. Item 86, 87 and 88 – Beer cooler with refrigeration system, 34 degrees – one required

1. See Item 1 and 2, floorless, omit door peep window.

HHHH. Item 89 – Keg rack – two required

1. New age.
2. Provide the following:
   a. One 1842HD with T bar laterals, each unit.
   b. Four 48P post, each unit.
   c. Two 1842UB brace, one at top and one at bottom, two for each unit.
   d. Modified and customized as required, verify and coordinate height to fit into item 86 beer cooler below evaporator coil.

IIII. Item 90 – Beer power pack – one required

1. Perlick 4410.
2. Provide the following:
   a. 120/1 with cord and plug.
   b. Power Cord Kit for 4404 & 4410 Single Pump Units.
   c. Adjustable Legs.
   d. Overflow Bottle Kit.
   e. Food Grade Glycol pre-mix.
   f. Coolant Backflow Preventer Kit.
   g. Stainless Steel Table Stand.
   h. Wall Bracket for 4404 & 4410.
   i. Optional Second Year Parts and Labor Warranty.
   j. Tower item 90.
   k. 4220-16-1 trunk housing with water proof jacket to bar upstairs.

l. 3/8” color coded product lines.

m. ½” copper coolant lines.

n. Regulator beer pump panels for each product line.

o. Couplers for product line connection to the kegs.

p. For trunk run strap trunk to structure in a secure manor to prevent damage with Perlick hangers.

q. McDantim Trumix 668 double nitrogen blender all components required for connection to the beer dispensing system. Wall mount this unit near co2 tank.

r. Include in quote half of products faucets, fittings and couplers for, craft beers and guinness, beers and provide all components required a complete operational dispensing system.

s. Verify and coordinate with owner products to be dispensed from this system.

t. All components, material and labor required for a complete operational draft beer dispensing system (less kegs of product), so client can tap kegs, fill lines, open faucets and dispense cold beer.

u. Kitchen equipment contractor to coordinate bar construction with beer dispensing equipment.

v. Installation and assembly according to Perlick instructions and details. Start up, calibration and demonstration by Perlick factory authorized service agency.

JJJJ.Item 91 – Sparkling water dispenser, cooling unit – one required

1. Box 80 Plus Fizz.
2. Provide the following:
   a. 208/1.
   b. Custom fabricated 18” high stand, see item 36 or 40 item for specifications.
   c. Sized for two T flow 3W dispensers.
   d. Less than 50’ distance from the dispensers.
   e. Filter + head.
   f. UVC Led in.
   g. Recirculating Pump.
   h. Water block.
   i. Water pressure reducer.
   j. CO2 pressure reducer.
   k. Incremental digital line counter 6000R.

l. All components, material and labor required for a complete operational sparkling water dispensing system.

m. Labor and materials for all water piping by the plumber.

2.5 ITEMIZED PRICES

1. Bidders that do not provide itemized prices for all specified Kitchen Equipment will be rejected.
2. List prices for alternates to specified items on a separate sheet with specifications.
3. Itemized prices may be submitted in Auto Quotes format or spread sheet.

Equipment Sub total (equipment only no labor) _____

State Taxes (equipment only no labor) _____

Local/County Taxes _____

Bond (when required) _____

Installation Labor _____

Total Bid Price _____$_____

PART 3 – EXECUTION

3.1 Installation of Kitchen Equipment

A. Unload, uncrate, assemble, set-in place, hang, level and adjust Kitchen Equipment. Tag parts shipped loose. Furnish necessary installation instructions. Clean up all trash immediately upon completion of installation and remove from the project site.

B. Neatly seal gaps of ¼" or less between Kitchen Equipment and walls, other equipment and floors with a "50 year" food grade clear silicone sealant. Seal gaps of ¼" or more with 14 gauge stainless steel trim fully welded ground smooth and polished to No. 4 finish or neatly attach trim with concealed stainless steel blots and nuts silicon trim to wall.

C. Erect Kitchen Equipment at project site in full compliance with the codes and regulations of the state and local Health Department.

D. Remove all protective coatings and other markings from Kitchen Equipment before demonstration. Wash with soap and water, rinse clean and dry spotless.

E. Provide a competent foreman at the project site to supervise installation of all Kitchen Equipment, and to coordinate with other trades in reference to connections at time of installation. Tag and deliver

plumbing and electrical parts, furnished loose and specified as part of the Kitchen Equipment to respective installing trades.

F. Provide all Zee clips and angles necessary for wall mounting of Kitchen Equipment.

G. Any sleeves, flanges of anchor bolts required to be built in to building structure to be provided to respective trades.

3.2 TESTING, CALIBRATION AND DEMONSTRATION

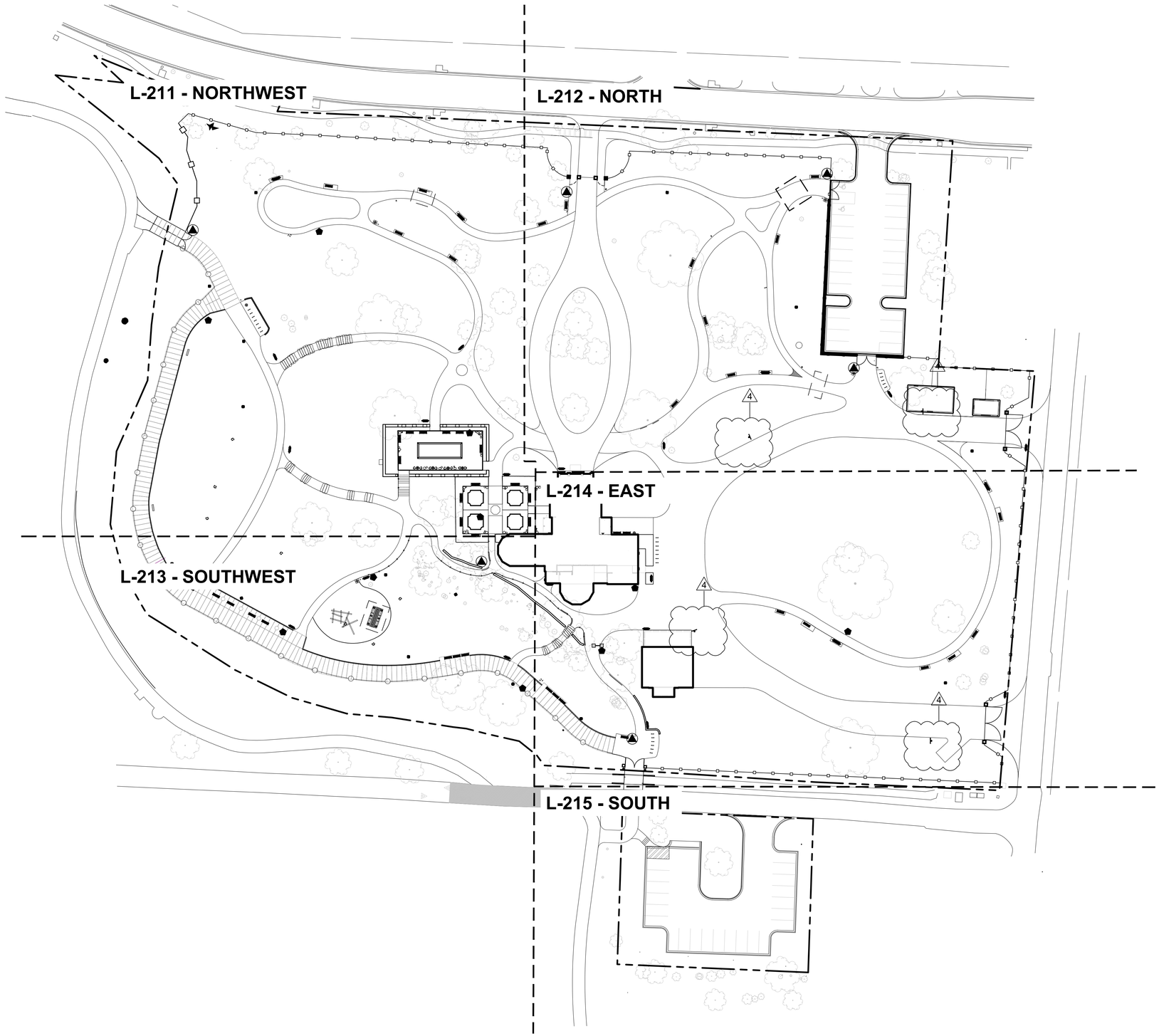
A. After completion of final connection by respective trades, test and calibrate Kitchen Equipment for proper operation. Make any necessary adjustments and re-test, repair or replace Kitchen Equipment producing objectionable noise.

B. Repair finishes marred during handling and installation or replace if required by the owner or consultant.

C. Schedule demonstration of Kitchen Equipment with manufacturer’s representatives, and owner’s personnel.

D. Provide pictures of completed punch list deficiencies to Contractor, Architect Owner and Consultant for review after all punch list work has been completed.

END OF SECTION



1 FURNISHING PLAN - SITE

1"=40'-0"

0 40' 80'

1" = 40'-0"

N

GENERAL LEGEND	
▲	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SITE FURNISHING LEGEND		
SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-6	OUTDOOR LEARNING TABLE
	SF-7	OUTDOOR LEARNING BENCH
	SF-8	PARK BENCH
	SF-9	SWING BENCH
	SF-10	BIKE RACK
	SF-18	URN PLANTER
	SF-20	PINEAPPLE FINIAL
	SF-21	SMALL FROG STATUE
	SF-22	LARGE FROG
	SF-23	DUCK STATUE
	SF-24	PIG STATUE
	SF-25	RABBIT STATUE
	SF-26	INSECT HOTEL
	SF-27	BIRD OR BAT HOUSE

SIGNAGE LEGEND	
	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

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INSIGHT ENGINEERING
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LITTLE ROCK, AR 72201
(501) 237 3077

STRUCTURAL ENGINEERS
ENFRA TME, LLC
BUILDING 2, 1 ALLIED DRIVE, STE 2600
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(501) 666 6776

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(479) 629 4572

ACOUSTICAL ENGINEERS
ACENTECH
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PLYMOUTH MEETING PA 19462
(215) 245 8244

PROJECT TITLE

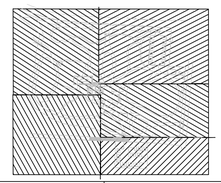
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
	2 ADDENDUM 02	10/19/2026

KEY PLAN



SIGN & SEAL

REGISTERED LANDSCAPE ARCHITECT
ALEX HART
License Number 712062
STATE OF ARKANSAS

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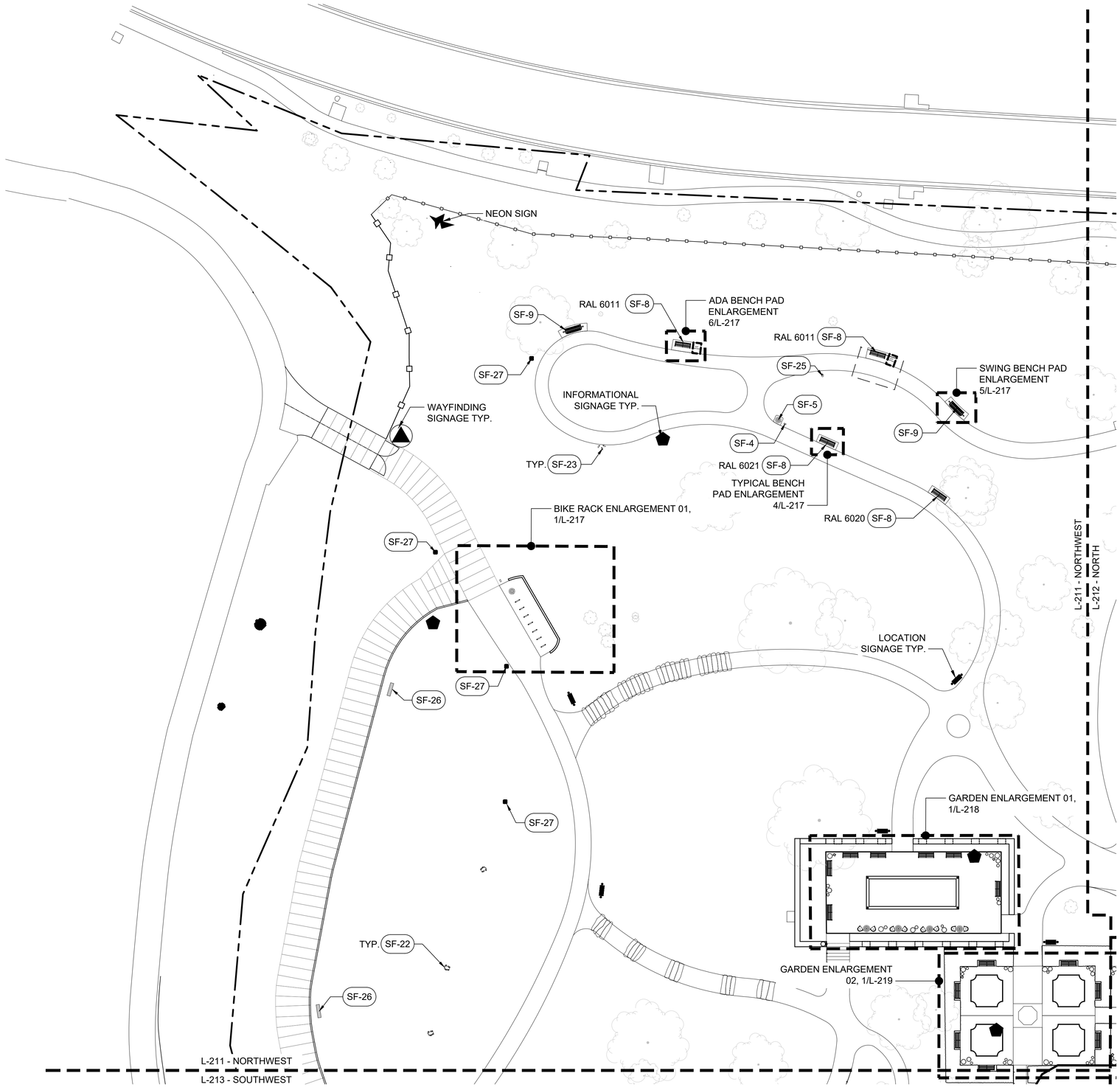
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SHEET TITLE

SITE FURNISHING - SITE

SHEET NUMBER

L-210



1 SITE FURNISHING PLAN - NORTHWEST

1"=20'-0"

0 20' 40'

1" = 20'-0"

N

GENERAL LEGEND	
	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SITE FURNISHING LEGEND		
SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-6	OUTDOOR LEARNING TABLE
	SF-7	OUTDOOR LEARNING BENCH
	SF-8	PARK BENCH
	SF-9	SWING BENCH
	SF-10	BIKE RACK
	SF-18	URN PLANTER
	SF-20	PINEAPPLE FINIAL
	SF-21	SMALL FROG STATUE
	SF-22	LARGE FROG
	SF-23	DUCK STATUE
	SF-24	PIG STATUE
	SF-25	RABBIT STATUE
	SF-26	INSECT HOTEL
	SF-27	BIRD OR BAT HOUSE

SIGNAGE LEGEND	
	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

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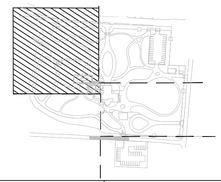
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KEY PLAN



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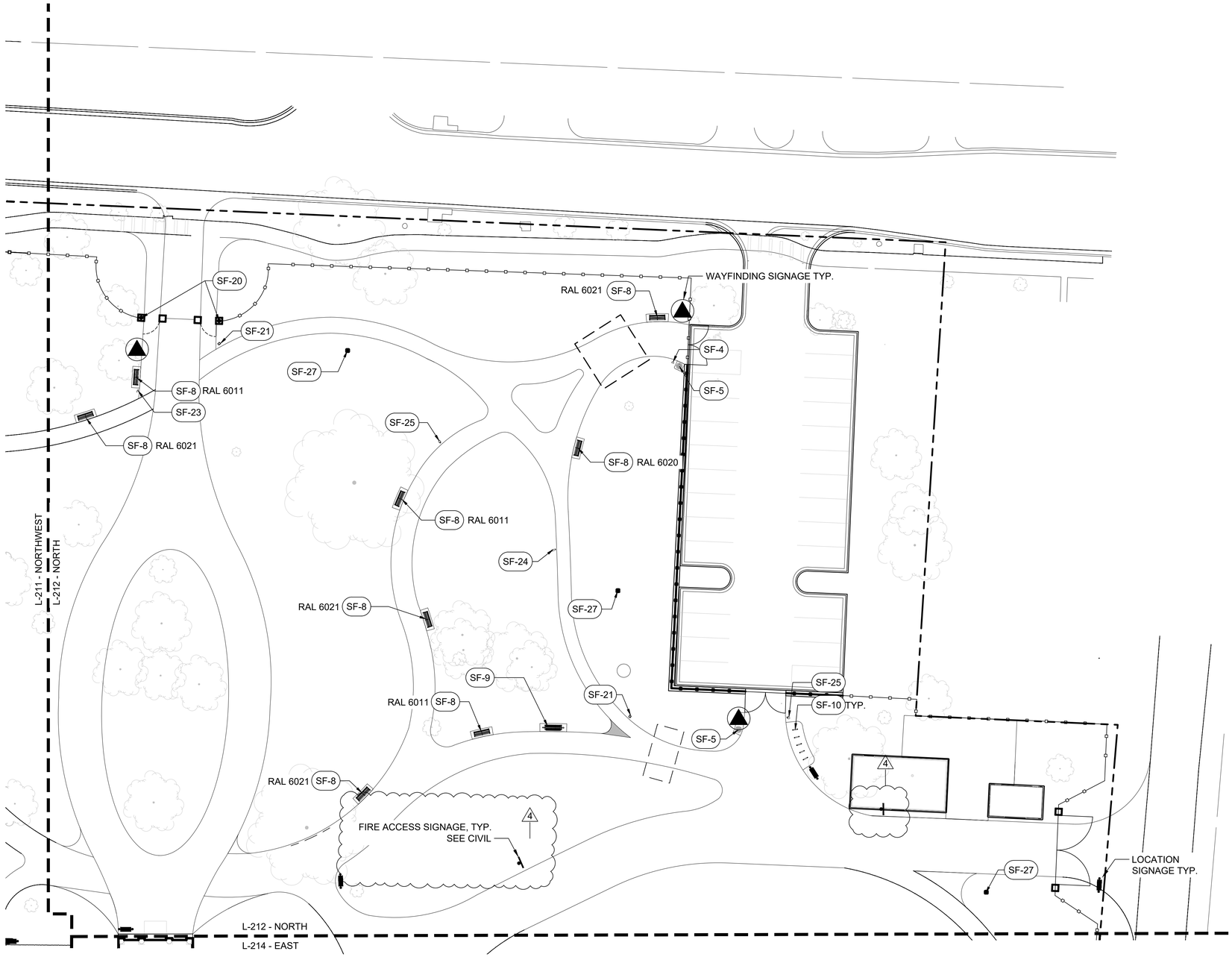
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SHEET TITLE

SITE FURNISHING - NORTHWEST

SHEET NUMBER

L-211



1 SITE FURNISHING PLAN - NORTH

1"=40'-0"

0 20' 40'

1" = 20'-0"

N

GENERAL LEGEND	
▲	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SITE FURNISHING LEGEND		
SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-6	OUTDOOR LEARNING TABLE
	SF-7	OUTDOOR LEARNING BENCH
	SF-8	PARK BENCH
	SF-9	SWING BENCH
	SF-10	BIKE RACK
	SF-18	URN PLANTER
	SF-20	PINEAPPLE FINIAL
	SF-21	SMALL FROG STATUE
	SF-22	LARGE FROG
	SF-23	DUCK STATUE
	SF-24	PIG STATUE
	SF-25	RABBIT STATUE
	SF-26	INSECT HOTEL
	SF-27	BIRD OR BAT HOUSE

SIGNAGE LEGEND	
	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

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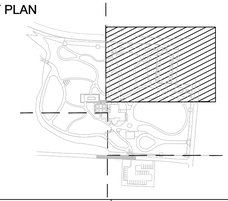
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BENTONVILLE, AR

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#	ISSUED FOR	DATE
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KEY PLAN



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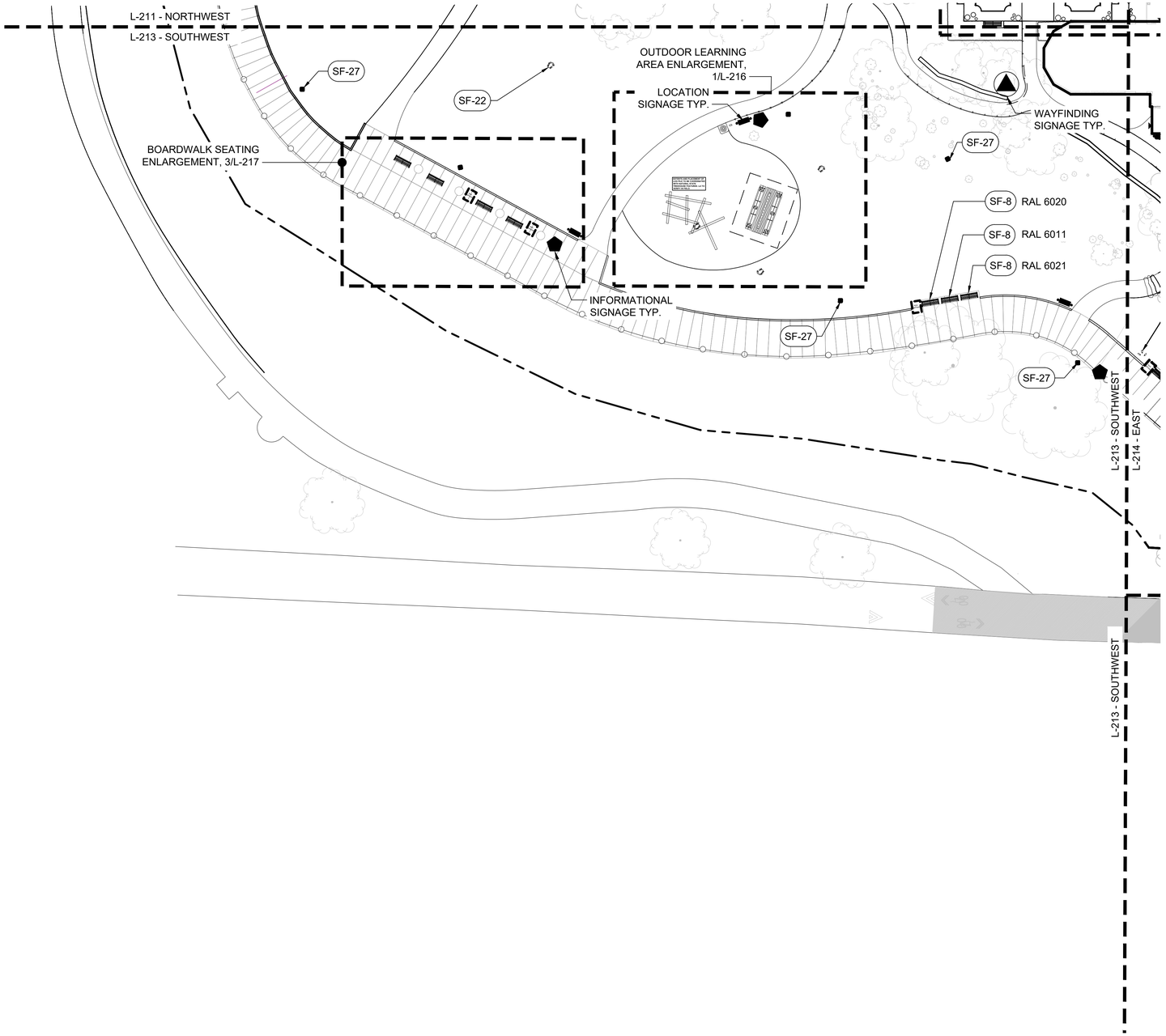
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SHEET TITLE

SITE FURNISHING - NORTH

SHEET NUMBER

L-212



1 SITE FURNISHING PLAN - SOUTHWEST

1"=40'-0"

GENERAL LEGEND	
▲	BUILDING ACCESS
———	BUILDING FOOTPRINT
—·—	PROPERTY LINE
- - -	MATCH LINE
	EXISTING TREE

SITE FURNISHING LEGEND		
SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-6	OUTDOOR LEARNING TABLE
	SF-7	OUTDOOR LEARNING BENCH
	SF-8	PARK BENCH
	SF-9	SWING BENCH
	SF-10	BIKE RACK
	SF-18	URN PLANTER
	SF-20	PINEAPPLE FINIAL
	SF-21	SMALL FROG STATUE
	SF-22	LARGE FROG
	SF-23	DUCK STATUE
	SF-24	PIG STATUE
	SF-25	RABBIT STATUE
	SF-26	INSECT HOTEL
	SF-27	BIRD OR BAT HOUSE

SIGNAGE LEGEND	
⬟	INFORMATIONAL SIGNAGE
▲	WAYFINDING SIGNAGE
●▬●	CIRCULATION SIGNAGE

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(215) 245 8244

PROJECT TITLE

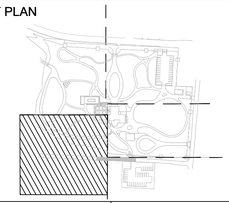
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BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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KEY PLAN



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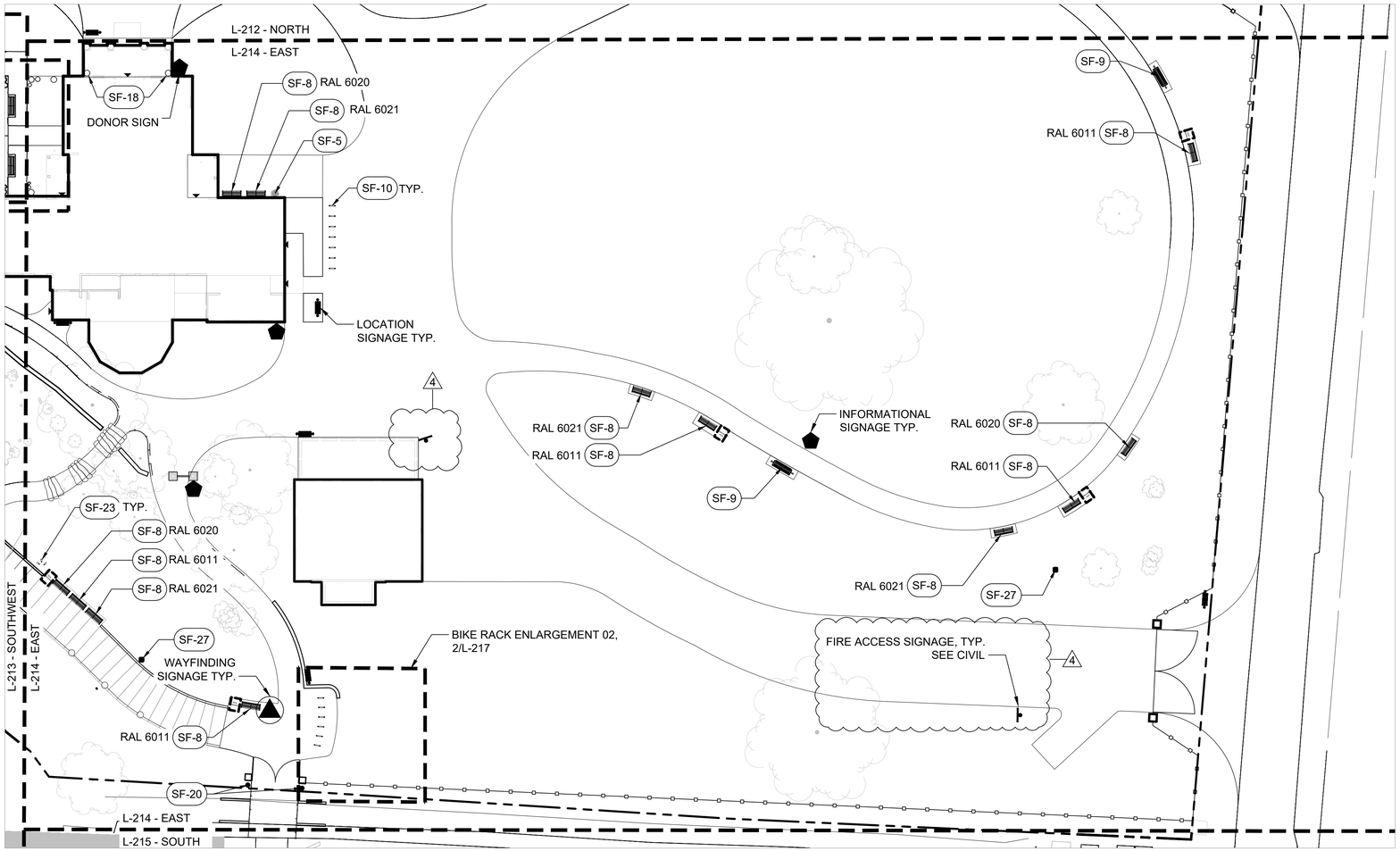
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SHEET TITLE

SITE FURNISHING - SOUTHWEST

SHEET NUMBER

L-213



1 SITE FURNISHING PLAN - EAST

1"=20'-0"

0 20' 40' N

1" = 20'-0"

GENERAL LEGEND	
▲	BUILDING ACCESS
———	BUILDING FOOTPRINT
—·—	PROPERTY LINE
- - -	MATCH LINE
	EXISTING TREE

SITE FURNISHING LEGEND		
SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-6	OUTDOOR LEARNING TABLE
	SF-7	OUTDOOR LEARNING BENCH
	SF-8	PARK BENCH
	SF-9	SWING BENCH
	SF-10	BIKE RACK
	SF-18	URN PLANTER
	SF-20	PINEAPPLE FINIAL
	SF-21	SMALL FROG STATUE
	SF-22	LARGE FROG
	SF-23	DUCK STATUE
	SF-24	PIG STATUE
	SF-25	RABBIT STATUE
	SF-26	INSECT HOTEL
	SF-27	BIRD OR BAT HOUSE

SIGNAGE LEGEND	
⬟	INFORMATIONAL SIGNAGE
▲	WAYFINDING SIGNAGE
▬	CIRCULATION SIGNAGE

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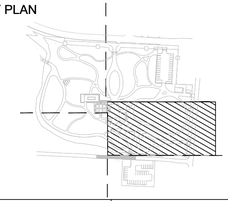
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KEY PLAN



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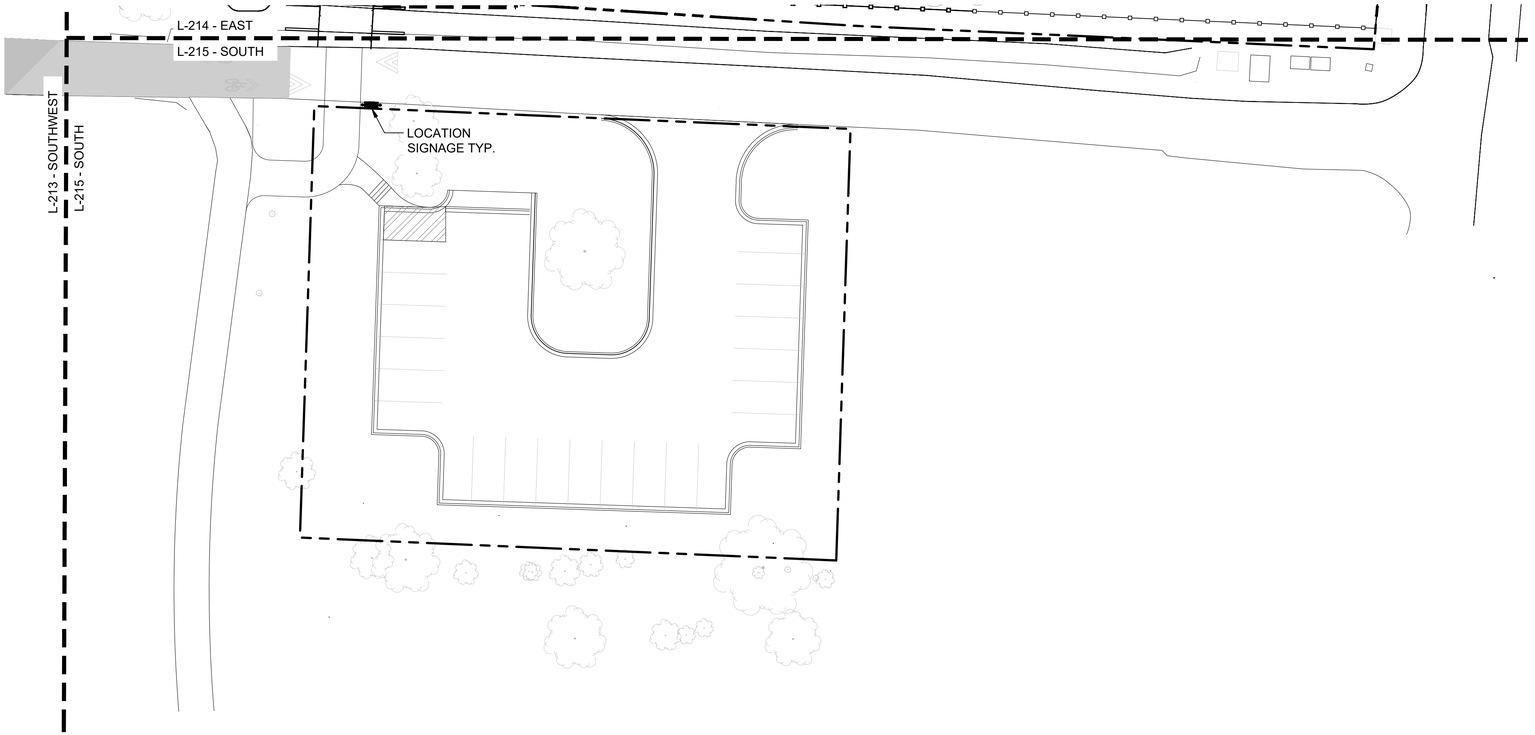
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SHEET TITLE

SITE FURNISHING - EAST

SHEET NUMBER

L-214



GENERAL LEGEND	
▲	BUILDING ACCESS
———	BUILDING FOOTPRINT
—·—	PROPERTY LINE
- - -	MATCH LINE
	EXISTING TREE

SIGNAGE LEGEND	
⬟	INFORMATIONAL SIGNAGE
▲	WAYFINDING SIGNAGE
▬	CIRCULATION SIGNAGE

1 SITE FURNISHING PLAN - SOUTH

1"=20'-0"

0 20' 40'

1" = 20'-0"

N

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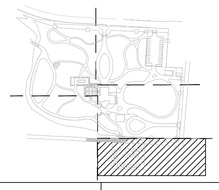
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KEY PLAN



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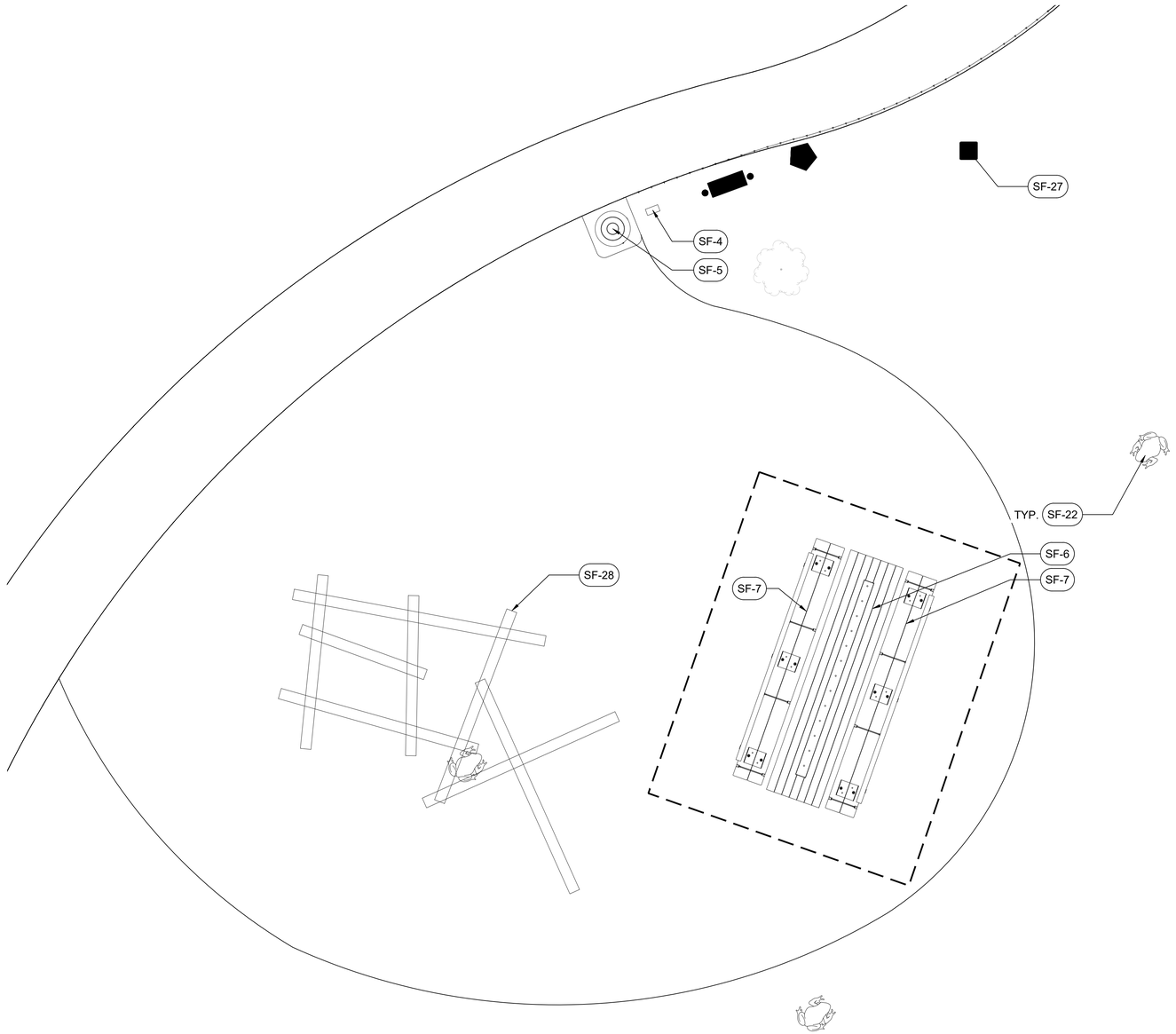
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SHEET TITLE

SITE FURNISHING - SOUTH

SHEET NUMBER

L-215



1 SITE FURNISHING PLAN - OUTDOOR LEARNING ENLARGEMENT

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

N

GENERAL LEGEND

	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SIGNAGE LEGEND

	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

SITE FURNISHING LEGEND

SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-6	OUTDOOR LEARNING TABLE
	SF-7	OUTDOOR LEARNING BENCH
	SF-22	LARGE FROG
	SF-27	BIRD OR BAT HOUSE
SEE PLAN	SF-28	PLAY SCULPTURE

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ACENTECH
620 W. GERMANTOWN PIKE, STE. 210
PLYMOUTH MEETING PA 19462
(215) 245 8244

PROJECT TITLE

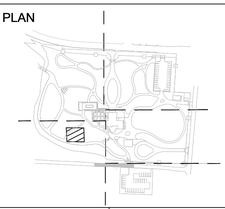
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
	2 ADDENDUM 02	10/19/2026

KEY PLAN



SIGN & SEAL

REGISTERED LANDSCAPE ARCHITECT
ALEX HART
License Number 712062
STATE OF ARKANSAS

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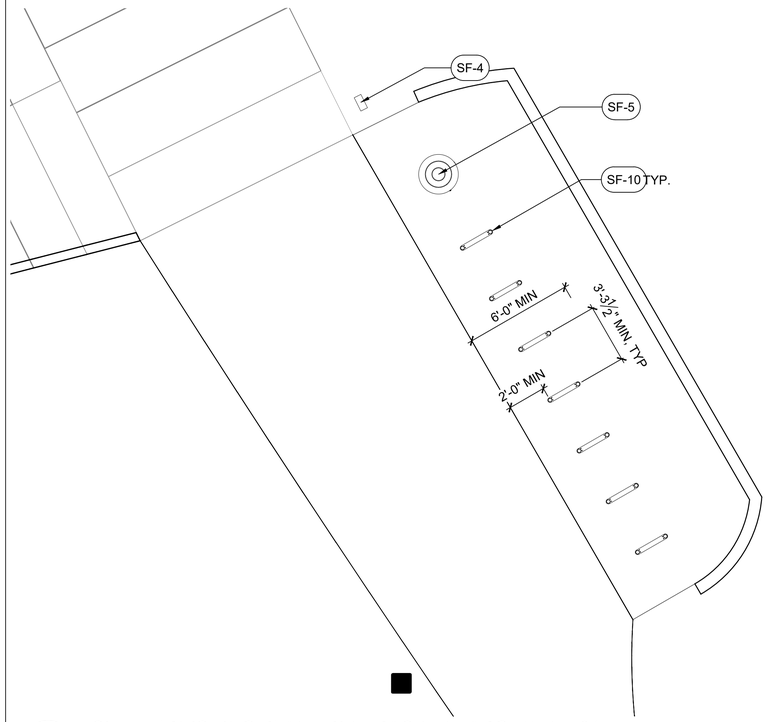
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SHEET TITLE

SITE FURNISHING - ENLARGEMENTS

SHEET NUMBER

L-216



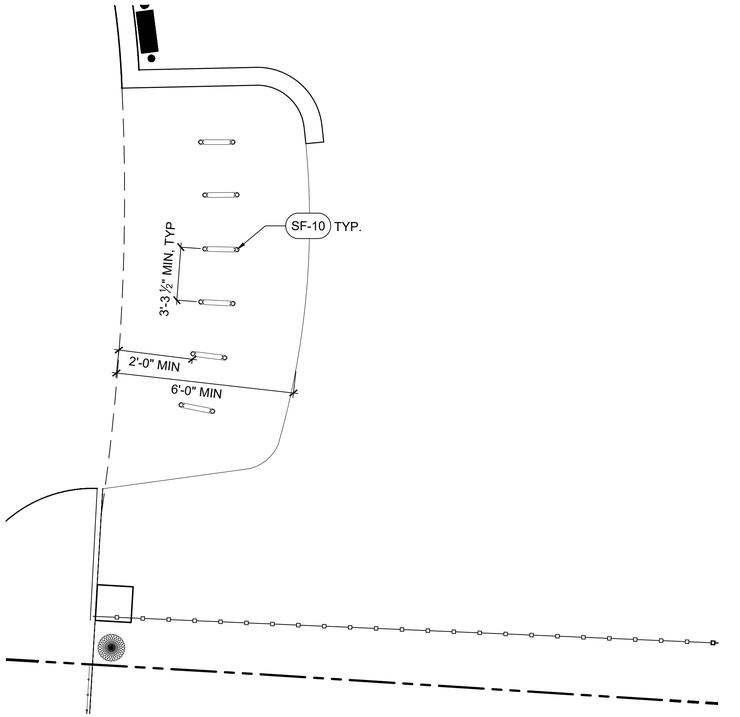
1 SITE FURNISHING PLAN - BIKE RACK ENLARGEMENT 01

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

N



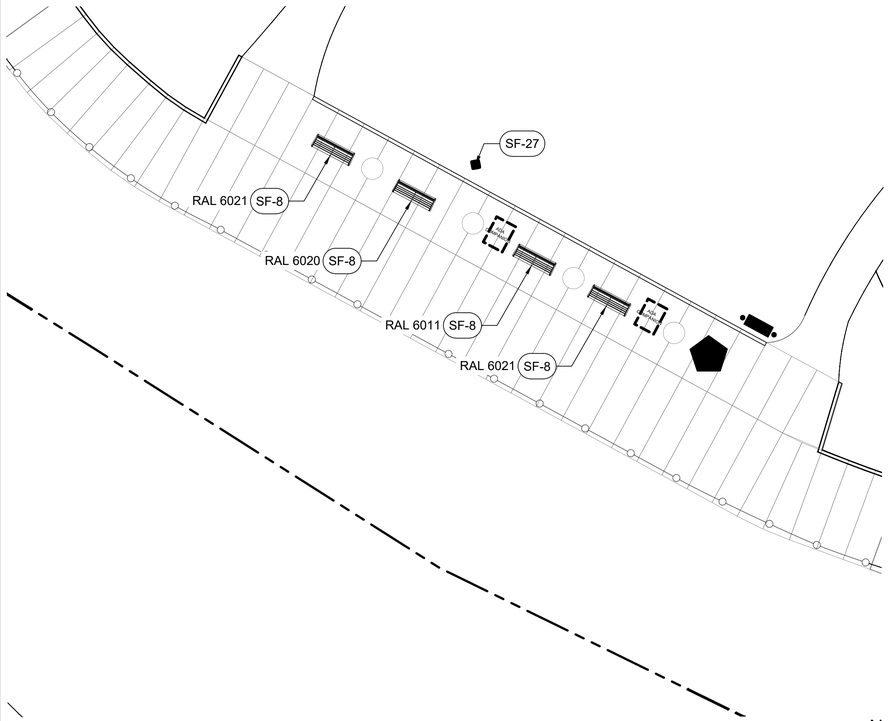
2 SITE FURNISHING PLAN - BIKE RACK ENLARGEMENT 02

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

N



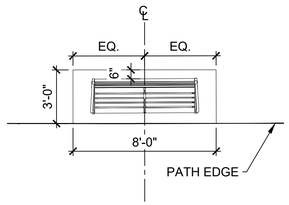
3 SITE FURNISHING PLAN - BOARDWALK SEATING ENLARGEMENT

1"=10'-0"

0 10' 20'

1" = 10'-0"

N

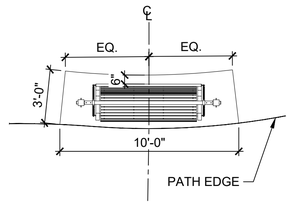


4 TYP BENCH PAD ENLARGEMENT

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

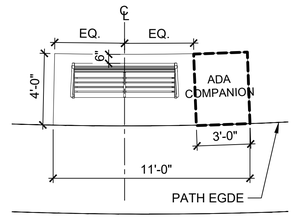


5 TYP SWING BENCH PAD ENLARGEMENT

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"



6 TYP ADA BENCH PAD ENLARGEMENT

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

GENERAL LEGEND

	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SIGNAGE LEGEND

	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

SITE FURNISHING LEGEND

SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-4	DOG WASTE BAG DISPENSER
	SF-5	RUBBISH BIN
	SF-8	PARK BENCH
	SF-10	BIKE RACK
	SF-27	BIRD OR BAT HOUSE

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CONSULTANTS

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INSIGHT ENGINEERING
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(501) 237 3077

STRUCTURAL ENGINEERS
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BUILDING 2, 1 ALLIED DRIVE, STE 2600
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PROJECT TITLE

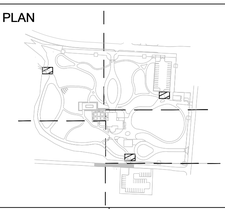
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN



SIGN & SEAL

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ALEX HART
License Number 712062
STATE OF ARKANSAS

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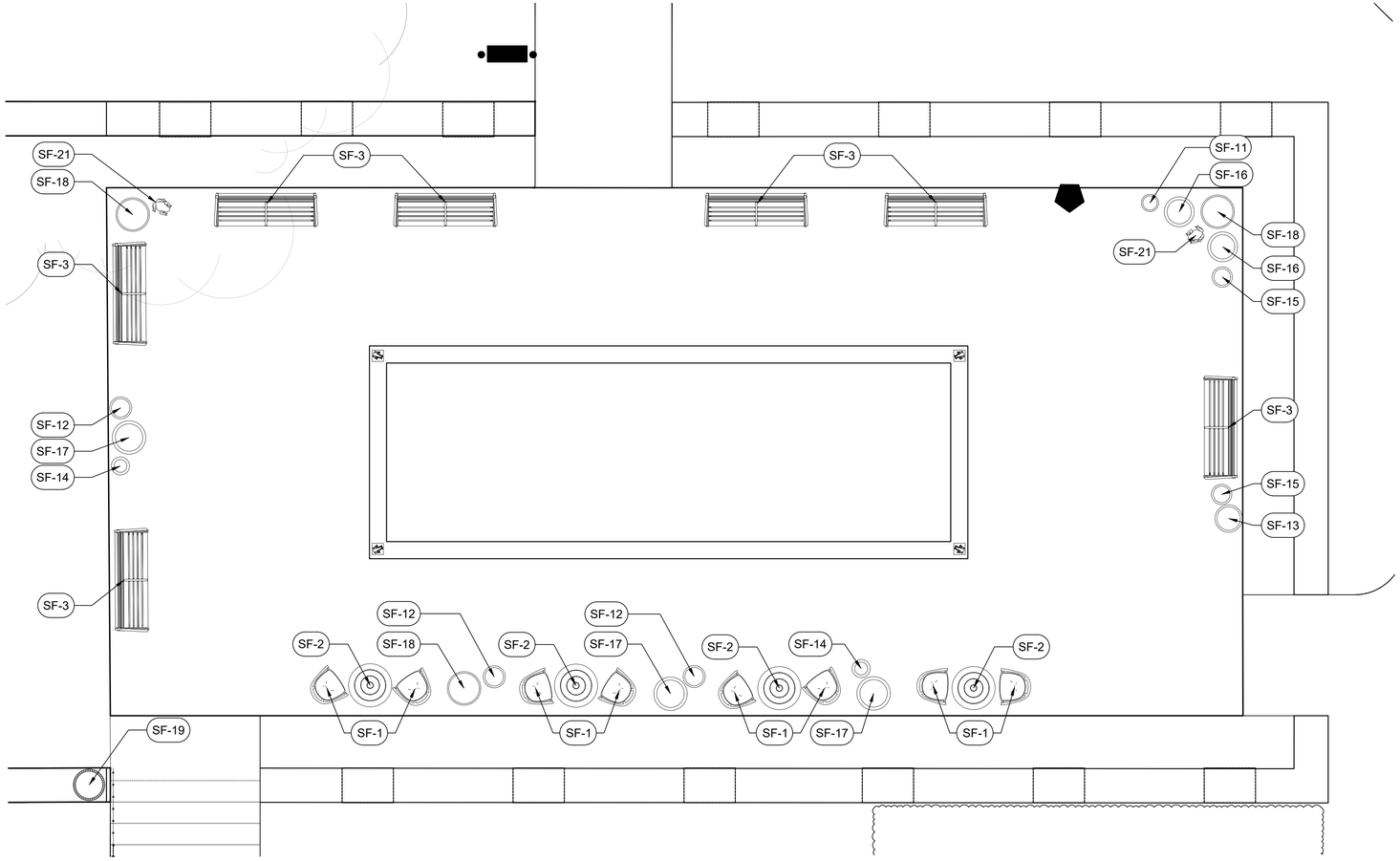
CHECKED BY

SHEET TITLE

SITE FURNISHING - ENLARGEMENTS

SHEET NUMBER

L-217



1 SITE FURNISHING PLAN - GARDEN ENLARGEMENT 1

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

N

GENERAL LEGEND

	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SIGNAGE LEGEND

	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

SITE FURNISHING LEGEND

SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-11	DECORATIVE ROUND POT
	SF-12	DECORATIVE ROUND POT
	SF-13	DECORATIVE ROUND POT
	SF-14	DECORATIVE ROUND POT
	SF-15	DECORATIVE ROUND POT
	SF-16	DECORATIVE ROUND POT
	SF-17	DECORATIVE ROUND POT
	SF-18	URN PLANTER
	SF-19	URN PLANTER
	SF-21	SMALL FROG STATUE

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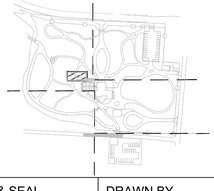
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

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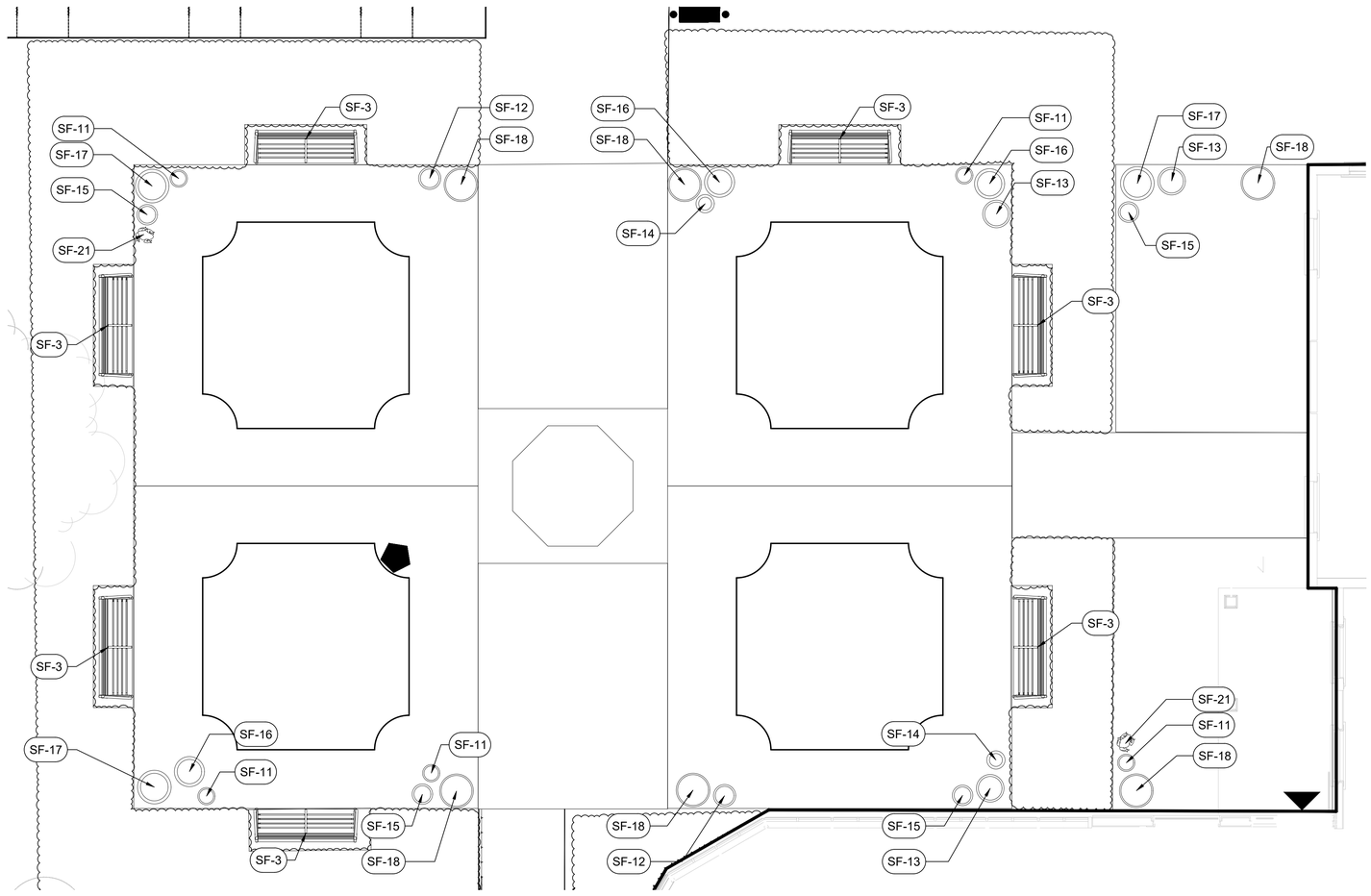
CHECKED BY

SHEET TITLE

SITE FURNISHING - ENLARGEMENTS

SHEET NUMBER

L-218



1 SITE FURNISHING PLAN - GARDEN ENLARGEMENT 2

1/4"=1'-0"

0 1' 4' 8'

1/4" = 1'-0"

N

GENERAL LEGEND

	BUILDING ACCESS
	BUILDING FOOTPRINT
	PROPERTY LINE
	MATCH LINE
	EXISTING TREE

SIGNAGE LEGEND

	INFORMATIONAL SIGNAGE
	WAYFINDING SIGNAGE
	CIRCULATION SIGNAGE

SITE FURNISHING LEGEND

SYMBOL	CODE	DESCRIPTION
SITE FURNISHING SCHEDULE		
	SF-1	WATER GARDEN CAFE CHAIR
	SF-2	WATER GARDEN CAFE TABLE
	SF-3	GARDEN BENCH
	SF-11	DECORATIVE ROUND POT
	SF-12	DECORATIVE ROUND POT
	SF-13	DECORATIVE ROUND POT
	SF-14	DECORATIVE ROUND POT
	SF-15	DECORATIVE ROUND POT
	SF-16	DECORATIVE ROUND POT
	SF-17	DECORATIVE ROUND POT
	SF-18	URN PLANTER
	SF-19	URN PLANTER
	SF-21	SMALL FROG STATUE

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1807 DODSON AVE
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620 W. GERMANTOWN PIKE, STE. 210
PLYMOUTH MEETING PA 19462
(215) 245 8244

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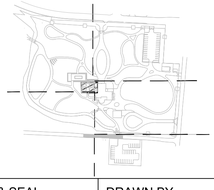
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

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SHEET TITLE

SITE FURNISHING - ENLARGEMENTS

SHEET NUMBER

L-219

FURNISHING SCHEDULE

SYMBOL	CODE	DESCRIPTION	QTY	MODEL	SIZE	FINISH/COLOR	MATERIAL	MANUFACTURER	MANUFACTURER CONTACT
SITE FURNISHING SCHEDULE									
	SF-1	WATER GARDEN CAFE CHAIR	8	CHESAPEAKE DINING ARM CHAIR	25.5" X 22" X 30.625"	ATLANTIC GREEN	POWDERCOATED ALUMINUM, SYNTHETIC WOVEN RUSH	MCKINNON AND HARRIS	CLAIRE DRISKILL, P 212.371.8260, CDRISKILL@MCKINNONHARRIS.COM
	SF-2	WATER GARDEN CAFE TABLE	4	FEOLIN CAFÉ TABLE WITH 30" ROUND ADAMS BIG TOP	30.25" DIA X 29.875"		POWDERCOATED ALUMINUM		
	SF-3	GARDEN BENCH	14	CORDIA BENCH	72.6" L X 23.8" D X 34.1" H	RAL: 4012	POWDERCOATED ALUMINUM	FORMS AND SURFACES	MARK TEPPER, T 800.451.0410 M 516.993.3765, MARK.TEPPER@FORMS-SURFACES.COM
	SF-4	DOG WASTE BAG DISPENSER	4	TRAIL PROVEN™ MINI DOG WASTE STATION (NO SIGN)	96" X 3" X 5"	TREE BARK BROWN	TRAIL WOOD™	MUTT MITT	INFO@MUTTMITT.COM, (800) 697-6084
	SF-5	RUBBISH BIN	6	URBAN RENAISSANCE LITTER RECEPTACLE SLURB-36SO WITH CUSTOM PINEAPPLE SILHOUETTE GRILLWORK	26.56" DIA X 43.87"	RAL: 6011	POWDERCOATED STEEL AND ALUMINUM	FORMS AND SURFACES	MARK TEPPER, T 800.451.0410 M 516.993.3765, MARK.TEPPER@FORMS-SURFACES.COM
	SF-6	OUTDOOR LEARNING TABLE	1	CUSTOM, SEE DETAIL 3/L-716	192" L X 42" W X 30" H	RAL: 6021	OAK, POWDERCOATED ALUMINUM		
	SF-7	OUTDOOR LEARNING BENCH	2	TIMBERFORM 2219-B COLOSSUS GIANT TIMBER BENCH	192" L X 24.5" W X 29.25" H	RAL: 6021	DOUGLAS FIR, POWDERCOATED STEEL	COLUMBIA CASCADE COMPANY	COLUMBIA CASCADE PO BOX 1039, CAMAS, WA 98607-0039 U.S.A. T. 503/223.1157 T. 800.547.1940
	SF-8	PARK BENCH	31	CORDIA BENCH	72.6" L X 23.8" D X 34.1" H	RAL 6011 (12) RAL 6021 (12) RAL 6020 (7)	POWDERCOATED ALUMINUM	FORMS AND SURFACES	MARK TEPPER, T 800.451.0410 M 516.993.3765, MARK.TEPPER@FORMS-SURFACES.COM
	SF-9	SWING BENCH	5	CARNIVAL SWING BENCH, IN GROUND MOUNT	97" L X 25.25" W X 78.5" HT	RAL 6020	POWDERCOATED STEEL	THOMAS STEELE	SALES@THOMAS-STEELE.COM, T 608.849.1080 T 800.241.2505
	SF-10	BIKE RACK	25	ELEVEN BIKE RACK	24.8" L X 3.3" D X 44.4" H	TUBE FINISH: RAL 6020 PLATE FINISH: RAL 6011	STAINLESS STEEL	FORMS AND SURFACES	MARK TEPPER, T 800.451.0410 M 516.993.3765, MARK.TEPPER@FORMS-SURFACES.COM
	SF-11	DECORATIVE ROUND POT	6	ARTISAN ROLLED RIM PLANTER, SMALL	12"DIA X 9"H	TERRA COTTA	FROST FREE CERAMIC	SIEBERT AND RICE	TERRACOTTA@SEIBERT-RICE.COM, 973.467.8266
	SF-12		5	ARTISAN ROLLED RIM PLANTER, MEDIUM	15.5"DIA X 12"H				
	SF-13		4	ARTISAN ROLLED RIM PLANTER, MEDIUM 2	19.25"DIA X 13.75"H				
	SF-14		4	ROSE PLANTER	12.75"DIA X 11"H				
	SF-15		6	GARLAND PLANTER	14.25" DIA X 11"				
	SF-16		5	LEMON PLANTER	21" DIA X 19"				
	SF-17		6	ACANTHUS LEAF PLANTER	23.5" DIA X 15.75"				
	SF-18	URN PLANTER	11	WINDSLOW VASE	24" DIA X 34" H	WHEAT	CAST STONE	HADDONSTONE	STONE@HADDONSTONE.COM, T. 866.733.8225 T. 719.948.4554
	SF-19	URN PLANTER	1	STATE VASE	22" DIA X 31" H				
	SF-20	PINEAPPLE FINIAL	4	HAM HOUSE PINEAPPLE	18" DIA X 32.25" H				
	SF-21	SMALL FROG STATUE	6	WOODLAND FROG	11.25" L X 8.25" W X 6.5" H	VERDE	CAST STONE	CAMPANIA INTERNATIONAL	PROJECTS@CAMPANIAINTERNATIONAL.COM, 215.541.4330
	SF-22	LARGE FROG STATUE	7	GIANT GARDEN FROG	22" L X 24" W X 20" H				
	SF-23	DUCK STATUE	7	QUACKERS	6" L x 12.5" W x 11.5" H	FRENCH LIMESTONE			
	SF-24	PIG STATUE	1	CURLY	21" L x 9" W x 13" H				
	SF-25	RABBIT STATUE	3	FATHER RABBIT	7" L x 8" W x 19.25" H				
	SF-26	INSECT HOTEL	2	CUSTOM, SEE DETAIL 1/L-714	60" L X 15" W X 54" H				
	SF-27	BIRD OR BAT HOUSE	15	CUSTOM, SEE DETAIL 2/L-714	12" L X 12"W X 144"H				
SEE PLAN	SF-28	PLAY SCULPTURE	1	CUSTOM				NATURAL STATE TREEHOUSES	JOSH HART M 479..387.0701 JOSH@NATURALSTATETREEHOUSES.COM

1 SITE FURNISHING SCHEDULE

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561 SEVENTH AVENUE FLOOR 11
NEW YORK, NY 10018
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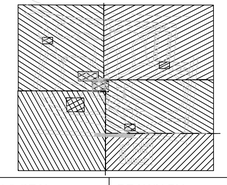
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

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KEY PLAN



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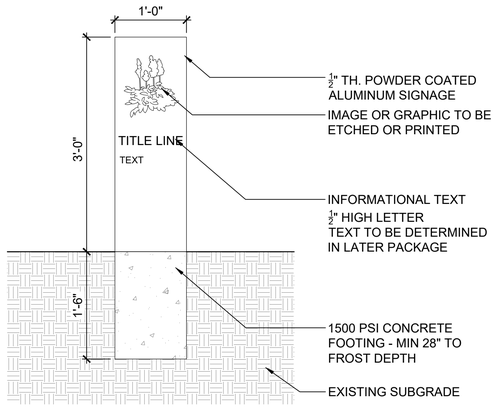
SHEET TITLE

SITE FURNISHING SCHEDULE

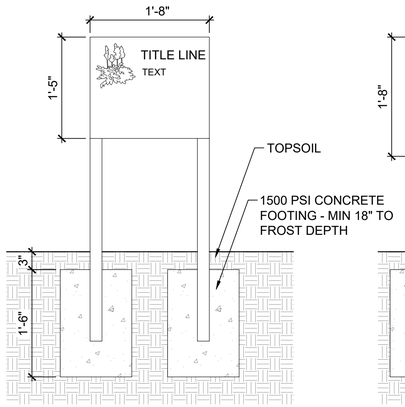
SHEET NUMBER

L-220

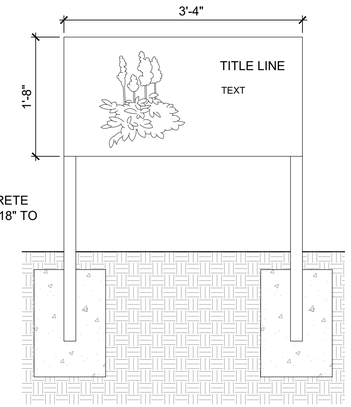
SMALL



MEDIUM



LARGE

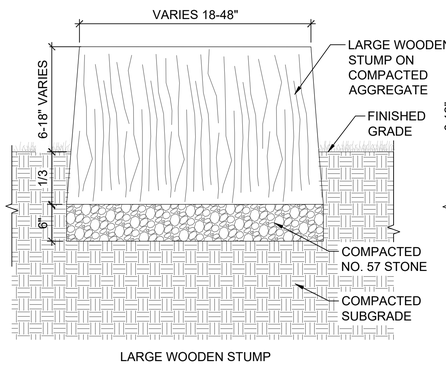


1 SIGNAGE

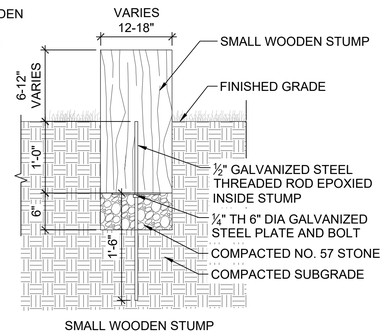
1" = 1'-0"

0 1' 2'

1" = 1'-0"



LARGE WOODEN STUMP



SMALL WOODEN STUMP

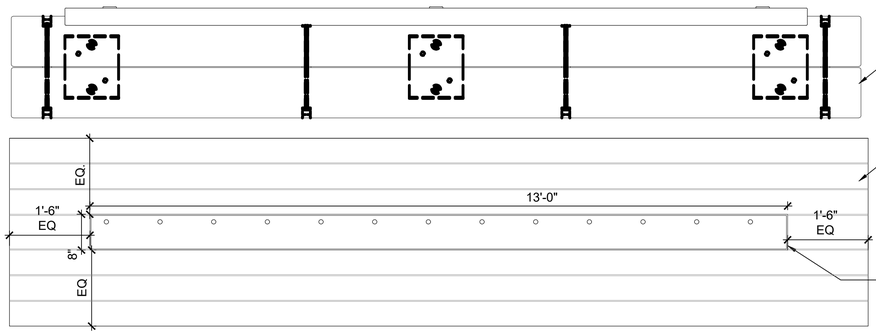
2 WOODEN STUMP TRAIL

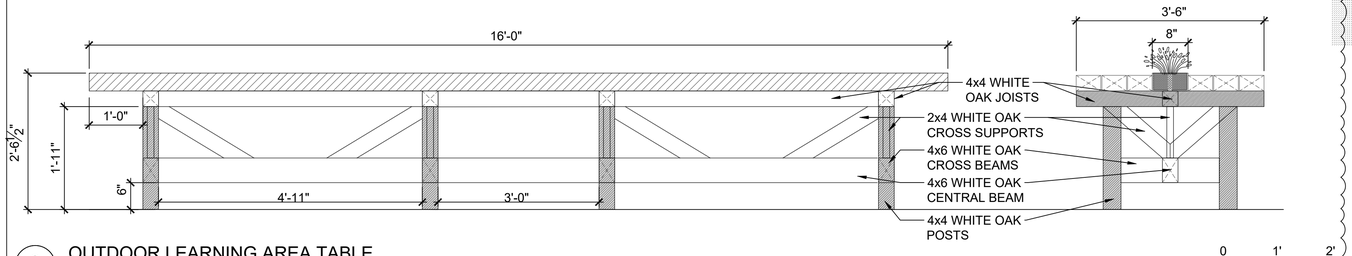
1" = 1'-0"

0 1' 2'

1" = 1'-0"

NOTE: ALL EDGES TO BE CHAMFERED ½". SAND ALL SURFACES SMOOTH AND ROUGHLY LEVEL. CLEARCOAT FINISH TBD.





3 OUTDOOR LEARNING AREA TABLE

3/4" = 1'-0"

0 1' 2'

3/4" = 1'-0"

4

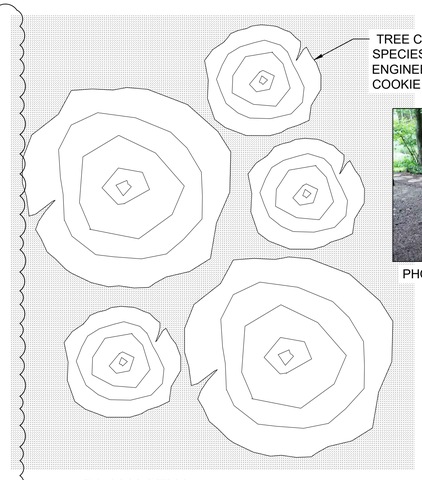
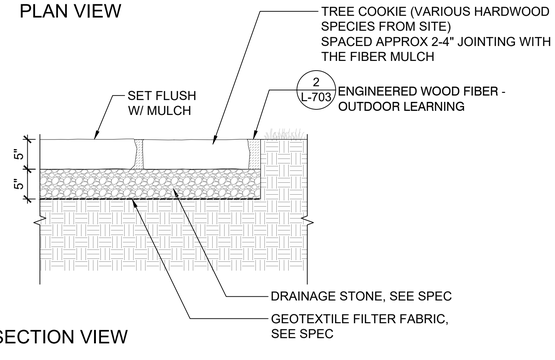




PHOTO TO SHOW DESIGN INTENT

PLAN VIEW



SECTION VIEW

4 TREE COOKIE PAVING

1" = 1'-0"

0 1' 2'

1" = 1'-0"

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ACENTECH
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PLYMOUTH MEETING PA 19462
(215) 245 8244

PROJECT TITLE

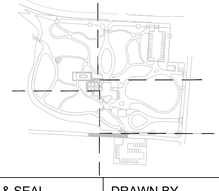
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
2	ADDENDUM 02	10/19/2026

KEY PLAN



SIGN & SEAL

REGISTERED LANDSCAPE ARCHITECT
ALEX HART
License Number 712062
STATE OF ARKANSAS

DRAWN BY

CHECKED BY

SHEET TITLE

FURNITURE DETAILS

SHEET NUMBER

L-716

REPAIR & REINSTALL EXIST. LANTERN FIXTURE

EXIST. PORCH SOFFIT; PREP & REPAINT

EXSTG BALCONY SOFFIT, PREP & REPAINT

OPEN OFFICE 201

ACOUSTIBUILT 8'-3 1/2" A.F.F.

CONFERENCE 206

ACOUSTIBUILT 8'-3 1/2" A.F.F.

EXSTG ATTIC ACCESS HATCH

HALLWAY 200

ACOUSTIBUILT 8'-3 1/2" A.F.F.

F+B OFFICE 202

GBD NEW 8'-3 1/2" A.F.F.

FIRE RATED GYP 9'-0" A.F.F.

TLT 203

GBD NEW 8'-3 1/2" A.F.F.

EQ EQ

A4 SECOND FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"

FIREPLACE ROOM 103

ACOUSTIBUILT 9'-0" A.F.F.

ENTRY 100

ACOUSTIBUILT 9'-0 1/2" A.F.F.

VWC-02 GBD 9'-0 1/2" A.F.F.

SECRET GARDEN 102

STO 105A

GBD 8'-9 1/4" A.F.F.

WOMEN 106

GBD 8'-0 1/2" A.F.F.

THE GALLERY 101

ACOUSTIBUILT 9'-0 1/2" A.F.F.

HALL 105

GBD 8'-0 1/2" A.F.F.

THE BISTRO 104

ACOUSTIBUILT 9'-0" A.F.F.

T&G Wood 8'-8" A.F.F.

JAN 108

GBD 8'-0 1/2" A.F.F.

MEN 107

GBD 8'-0 1/2" A.F.F.

T&G Wood 8'-4" A.F.F.

ORDER/PICK-UP 109

ACOUSTIBUILT 8'-11 1/2" A.F.F.

BAR 114

GBD 8'-6" A.F.F.

PREP KITCHEN 110

GBD 8'-6" A.F.F.

KITCHEN 111

GBD 8'-2" A.F.F.

GBD 7'-6" A.F.F.

VENT HOOD

COOLER / FREEZER 113

GBD 8'-2" A.F.F.

DRY STORAGE 112

GBD 7'-11 1/2" A.F.F.

GARDEN ROOM 115

ARMSTRONG WOOD GRILLE SYSTEM

GBD 8'-0" A.F.F.

T&G Wood 8'-4" A.F.F.

T&G Wood 8'-4" A.F.F.

T&G Wood

5" / 12"

OUTDOOR PATIO 116

GBD 8'-6" A.F.F.

WOMEN 117

GBD 8'-6" A.F.F.

WOMEN 118

GBD 8'-6" A.F.F.

MEN 119

A10 FIRST FLOOR REFLECTED CEILING PLAN
3/16" = 1'-0"

T&G JOINTS TO ALIGN AT SUPPORT, TYPICAL

CEILING LEGEND

PENDANT LIGHT FIXTURE	GYP. BOARD CEILING
LINEAR RECESSED LIGHT FIXTURE	EXHAUST HOOD
CHAIN HUNG STRIP LIGHT	SUPPLY AIR
WALL-MOUNTED LIGHT FIXTURE	RETURN AIR
RECESSED ROUND DOWN LIGHT	EXIT SIGN - HATCH INDICATES EXIT
RECESSED ROUND DOWN LIGHT	
SPRINKLER	T&G WOOD CEILING
LIGHT FIXTURE	

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PROJECT TITLE

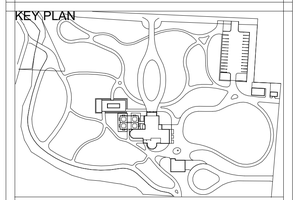
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
2	ADDENDUM #4	10/23/26

KEY PLAN



SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-49 ARKANSAS

DRAWN BY

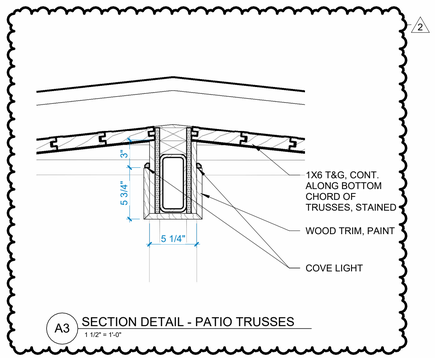
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SHEET TITLE

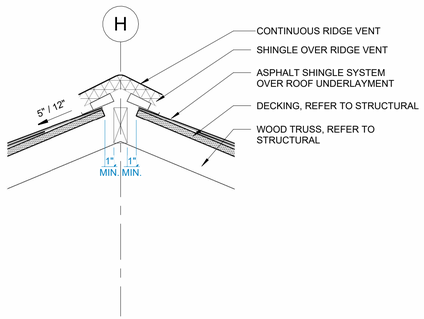
FIRST AND SECOND FLOOR REFLECTED CEILING PLAN

SHEET NUMBER

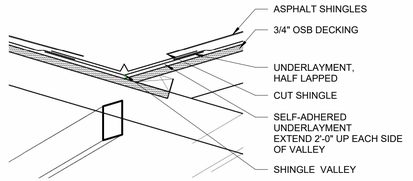
A110



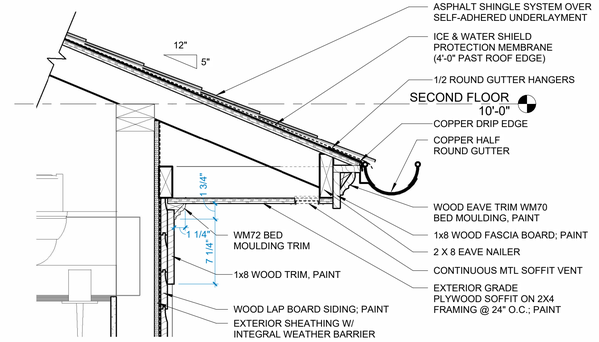
A3 SECTION DETAIL - PATIO TRUSSES
1 1/2" = 1'-0"



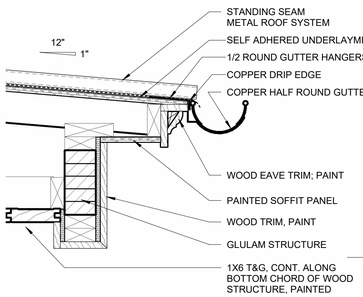
C3 SECTION @ RIDGE VENT - TYP
1 1/2" = 1'-0"



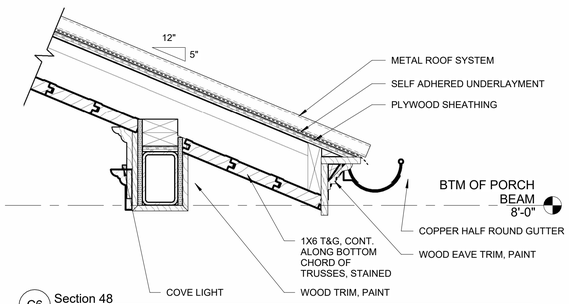
G3 SECTION @ VALLEY - TYP
1 1/2" = 1'-0"



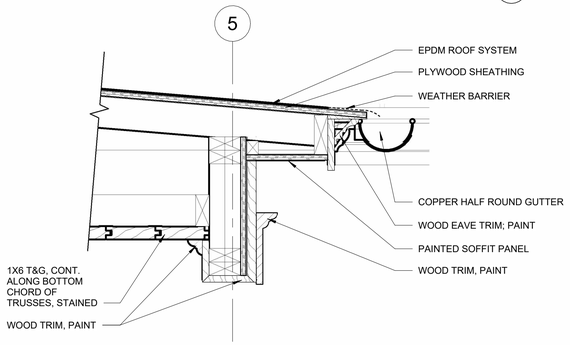
L3 SECTION DETAIL - SOFFIT / EAVE
1 1/2" = 1'-0"



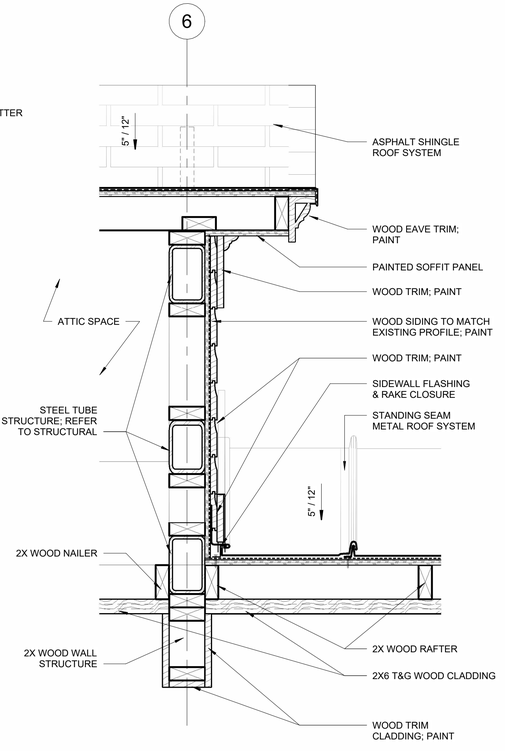
A6 SECTION DETAIL - PORCH EAVE
1 1/2" = 1'-0"



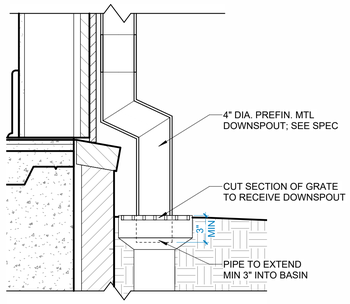
C6 Section 48
1 1/2" = 1'-0"



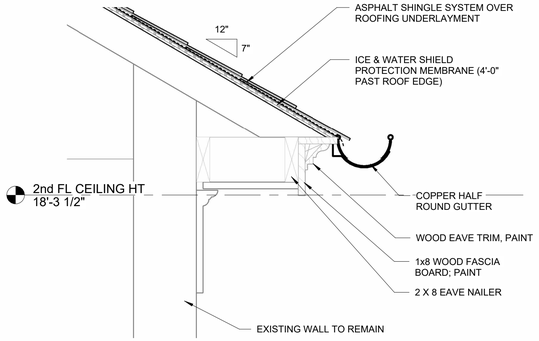
G6 SECTION DETAIL - LOW SLOPE EAVE @ OUTDOOR PATIO
1 1/2" = 1'-0"



L10 SECTION DETAIL - STANDING SEAM TRANSITION
1 1/2" = 1'-0"



C9 TYP GUTTER DETAIL
1 1/2" = 1'-0"



G10 EAVE DETAIL - MAIN HOUSE
1 1/2" = 1'-0"

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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1	ADDENDUM #1	10/16/26
2	ADDENDUM #4	10/23/26

KEY PLAN

SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-49 ARKANSAS

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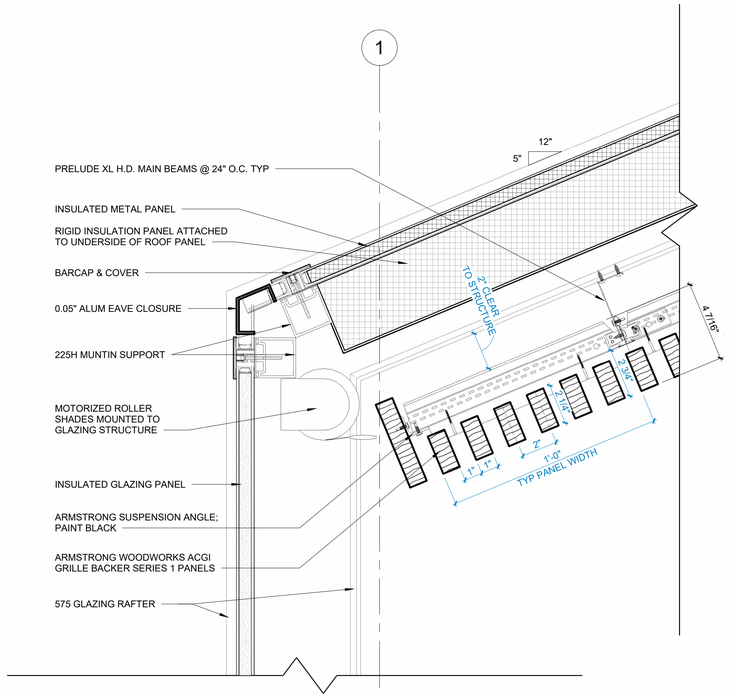
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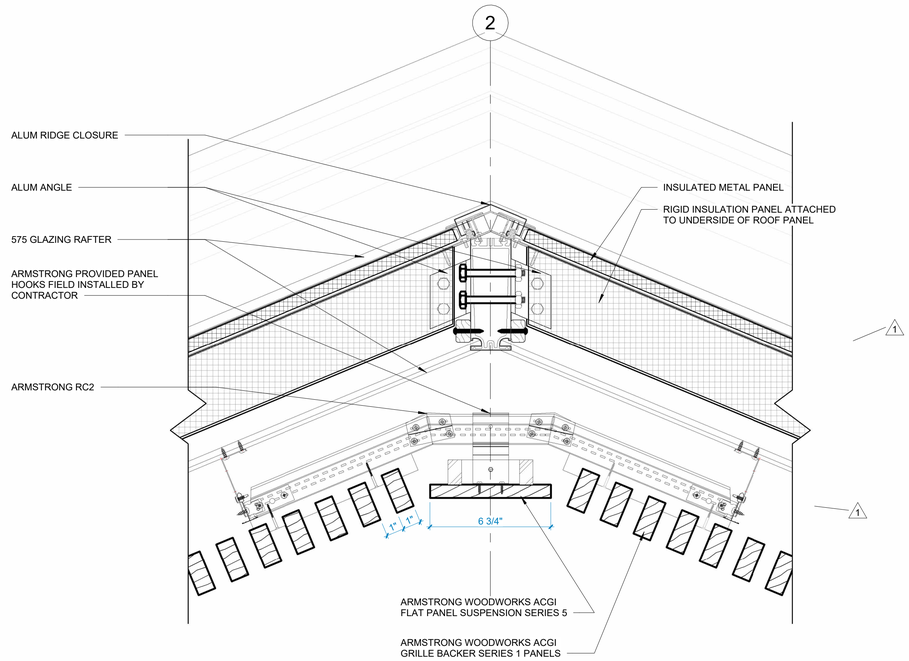
ROOF AND GUTTER DETAILS

SHEET NUMBER

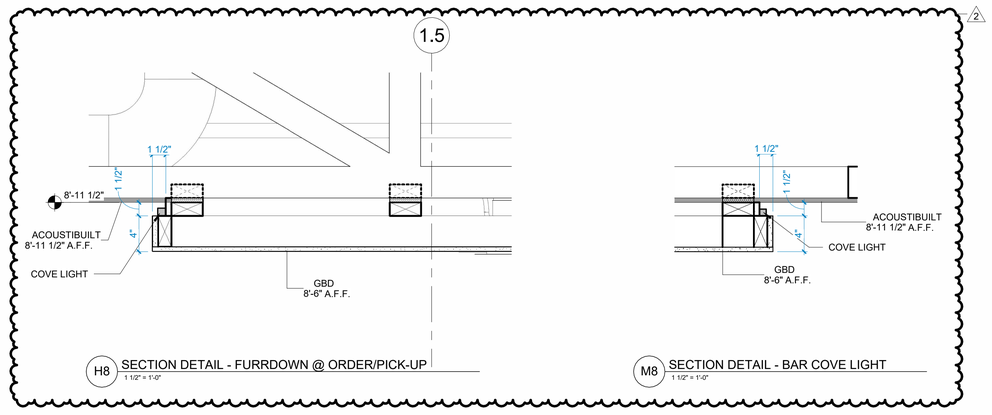
A121



A5 BUILDING SECTION 1 - LOOKING EAST - Callout 2
3" = 1'-0"

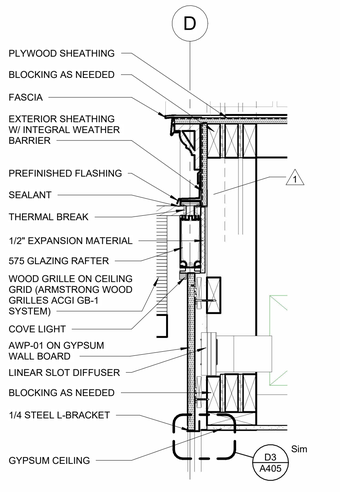


E3 BUILDING SECTION 1 - LOOKING EAST - Callout 1
3" = 1'-0"

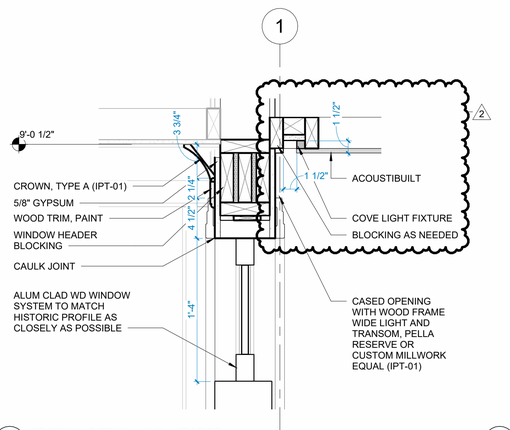


H8 SECTION DETAIL - FURRDOWN @ ORDER/PICK-UP
1 1/2" = 1'-0"

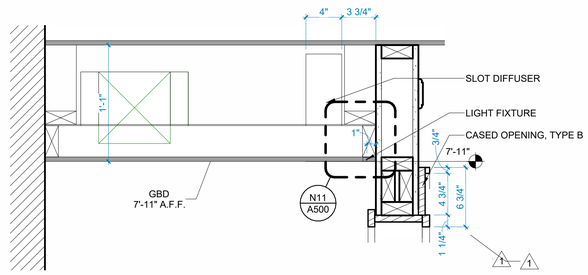
M8 SECTION DETAIL - BAR COVE LIGHT
1 1/2" = 1'-0"



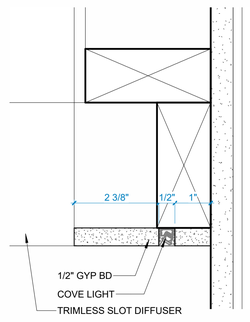
A11 SECTION DETAIL - FURRDOWN @ GARDEN RM ENTRY
1 1/2" = 1'-0"



D11 SECTION DETAIL - C.O. HEADER
1 1/2" = 1'-0"



G11 SECTION DETAIL - BISTRO INSET
1 1/2" = 1'-0"



N11 SECTION DETAIL - BISTRO INSET COVE LIGHT
6" = 1'-0"

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KEY PLAN

SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-440 ARKANSAS

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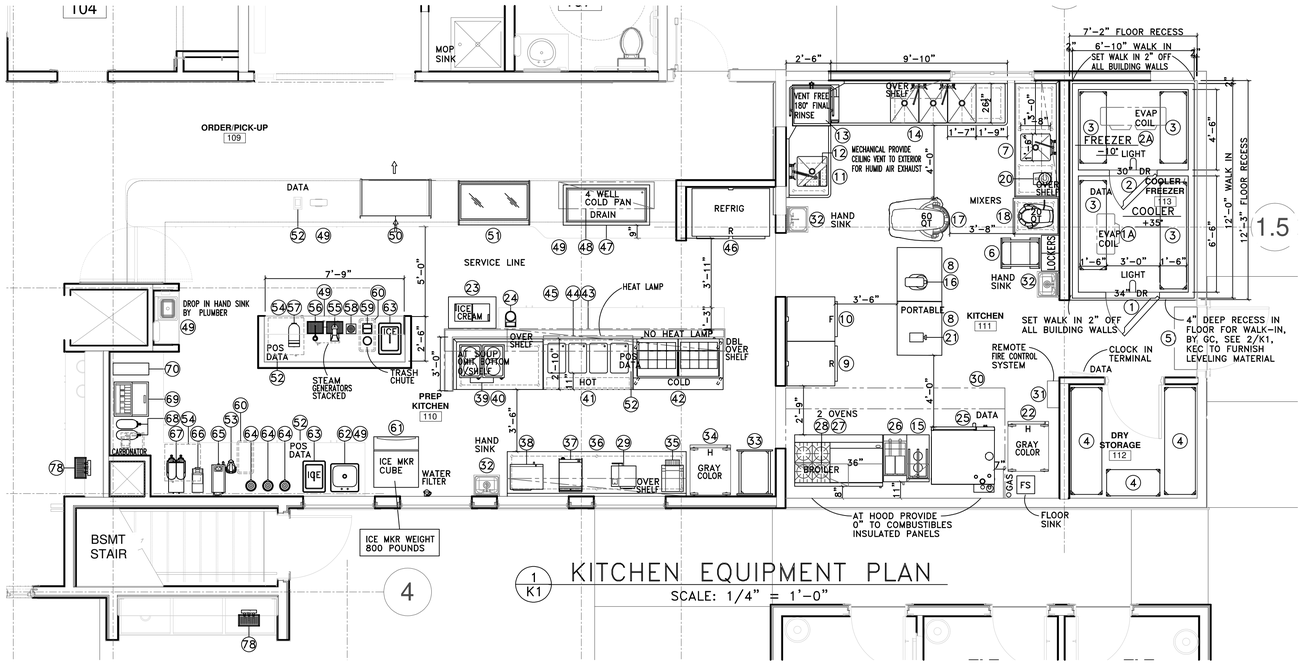
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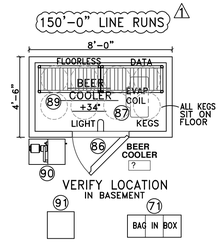
DETAILS

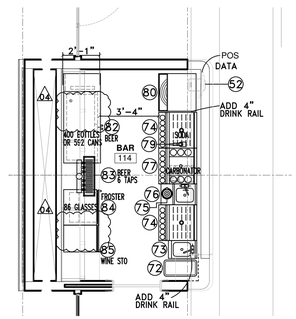
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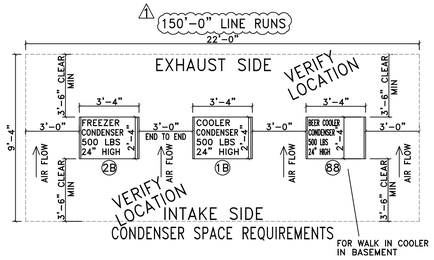
A500



1 K1 KITCHEN EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"



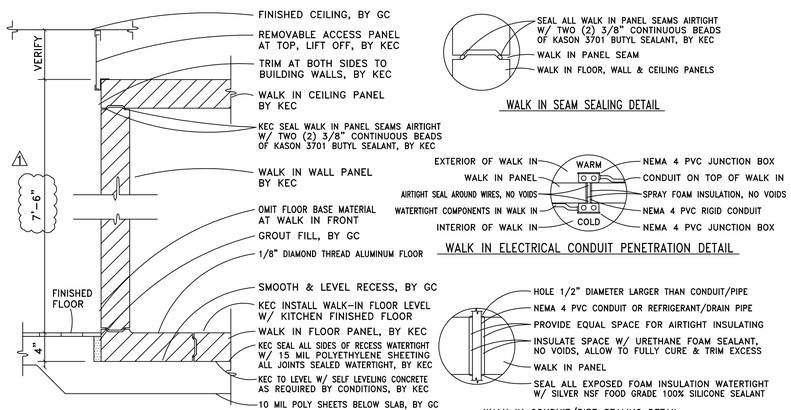




KITCHEN EQUIPMENT LIST

NO	QTY	ITEM	REMARKS
1	1	WALK IN COOLER	RECESSED FLOOR, SEE 3/K1
1A	1	WALK IN COOLER EVAPORATOR COIL	
1B	1	WALK IN COOLER CONDENSER	105° AMBIENT
2	1	WALK IN FREEZER	RECESSED FLOOR, SEE 3/K1
2A	1	WALK IN FREEZER EVAPORATOR COIL	
2B	1	WALK IN FREEZER CONDENSER	105° AMBIENT
3	4	WALK IN SHELVING	
4	3	DRY STORAGE SHELVING	
5	1	AIR CURTAIN	W/ MICRO EYE
6	1	BUN PAN RACK	PORTABLE
7	1	TABLE W/ SINK	W/ OVERSHELF
8	2	TABLE	PORTABLE
9	1	REFRIGERATOR	PORTABLE
10	1	FREEZER	PORTABLE
11	1	SOILED DISHTABLE	W/ PRE RINSE SINK & PRE RINSE FAUCET
12	1	SCRAP COLLECTOR	
13	1	DISHMACHINE, VENT FREE	W/ BUILT IN BOOSTER HEATER
14	1	CLEAN DISHTABLE W/ POT & PAN SINK	
15	1	TABLE W/ HEAT LAMP	
16	1	8 QUART MIXER	
17	1	60 QUART MIXER	
18	1	20 QUART MIXER	W/ PORTABLE STAND
19	–	NOT USED	
20	1	FOOD PROCESSOR	
21	1	CAN OPENER, ELECTRIC	
22	1	HEATER & PROOFER CABINET, GRAY	PORTABLE
23	1	ICE CREAM FREEZER	
24	1	HEATED DIPPER WELL, DROP IN	
25	1	COMBI OVEN	DOUBLE STACK
26	1	FRYER	
27	1	RANGE	W/ RANGE MOUNTED BROILER ITEM 28
28	1	OVERHEAD BROILER, RANGE MOUNTED	RANGE MOUNTED
29	1	COUNTER TOP STEAMER	
30	1	HOOD	BY MECHANICAL CONTRACTOR
31	1	FIRE CONTROL SYSTEM, WALL MTD REMOTE	BY MECHANICAL CONTRACTOR
32	3	HAND SINK W/ END SPLASHES	BY PLUMBING CONTRACTOR
33	1	BREAD RACK	BY VENDOR
34	1	HEATED CABINET, GRAY	PORTABLE
35	1	TOASTER	
36	1	WORK TABLE	
37	1	PANINI GRILL	
38	1	MICROWAVE	
39	2	SOUP HOT WELL, COUNTER TOP	
40	1	TABLE	
41	1	HOT FOOD COUNTER	
42	1	SANDWICH UNIT	
43	1	DOUBLE OVER SHELF	
44	1	HEAT LAMP	
45	1	PICK UP COUNTER W/ STORAGE (WALL)	BY OTHERS
46	1	REFRIGERATOR	
47	1	COLD PAN	
48	1	SNEEZE GUARD	
49	LOT	MILLWORK COUNTER	BY MILLWORK CONTRACTOR
50	1	REFRIGERATED GRAB & GO, FLUSH W/ COUNTER TOP	
51	1	REFRIGERATED PASTRY CASE	
52	LOT	POS SYSTEM	BY OWNER
53	LOT	COFFEE DISPENSER, AIRPOT	
54	2	UNDERCOUNTER REFRIGERATOR	24" WIDE
55	1	ESPRESSO HEAD W/ GENERATOR	
56	1	STEAM HEAD W/ GENERATOR	
57	1	ESPRESSO GRINDER	
58	1	RINSER	
59	1	KNOCK BOX	
60	2	TRASH CAN, SLIM	
61	1	ICE MAKER	W/ BIN & WATER FILTER
62	1	SINK, DROP IN	BY PLUMBING CONTRACTOR
63	2	ICE CHEST, DROP IN	
64	3	BLENDER	FUTURE
65	1	COFFEE BREWER, AIRPOT	
66	1	COFFEE GRINDER	
67	1	TEA BREWER W/ TWO 6" WIDE DISPENSERS	BY VENDOR
68	2	TEA DISPENSER, 6" WIDE	BY VENDOR
69	1	SODA DISPENSER W/ ICE CHEST & CARBONATOR	BY VENDOR
70	1	CUP DISPENSER	
71	1	BAG IN BOX	BY VENDOR, IN BASEMENT
72	1	TRASH CAN, SLIM, BAR	
73	1	HAND SINK, BAR	
74	2	WORK TOP, BAR	
75	1	BLENDER, BAR	FUTURE
76	1	BLENDER STATION W/ DUMP SINK, BAR	
77	1	ICE CHEST, BAR	W/ COLD PLATE
78	2	SPARKLING WATER DISPENSER	
79	1	SODA GUN W/ CARBONATOR, BAR	BY VENDOR
80	1	GLASS WASHER, BAR	
81	–	OMIT	
82	2	BEER COOLER, BAR	
83	1	BEER TAP (6) W/ DRIP TROUGH, BAR	
84	1	GLASS CHILLER, BAR	
85	1	WINE COOLER, BAR	TWO COMPARTMENT
86	1	BEER COOLER	IN BASEMENT
87	1	BEER COOLER EVAPORATOR COIL	
88	1	BEER COOLER CONDENSER	
89	2	KEG RACK	
90	1	BEER POWER PACK	
91	1	SPARKLING WATER DISPENSER, COOLING UNIT	IN BASEMENT

NOTE: RECESS MUST BE LEVEL & SMOOTH BEFORE WALK IN CAN BE INSTALLED, BY KEC
KEC SHALL LEVEL & MAKE RECESS 4" DEEP FOR WALK IN INSTALLATION

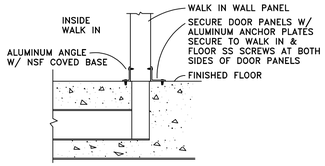


2 K1 WALK-IN DETAIL
SCALE: NONE

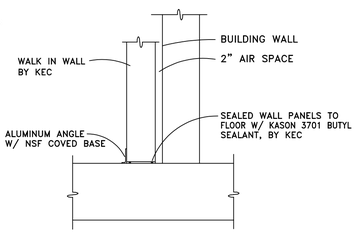
WALK IN SEAM SEALING DETAIL

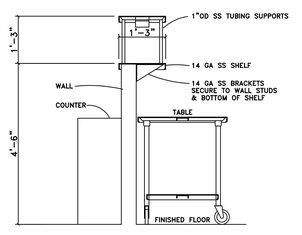
WALK IN ELECTRICAL CONDUIT PENETRATION DETAIL

WALK IN CONDUIT/PIPE SEALING DETAIL



WALK IN ANCHOR PLATE DETAIL





3 K1 SERVING LINE – SECTION
SCALE: NONE

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(479) 629 4572

ACOUSTICAL ENGINEERS
ACENTECH
620 W. GERMANTOWN PIKE, STE. 210
PLYMOUTH MEETING PA 19462
(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
	ADDENDUM #01	10/16/2026
	ADDENDUM #04	10/23/2026

KEY PLAN

SIGN & SEAL

DRAWN BY: VPMII

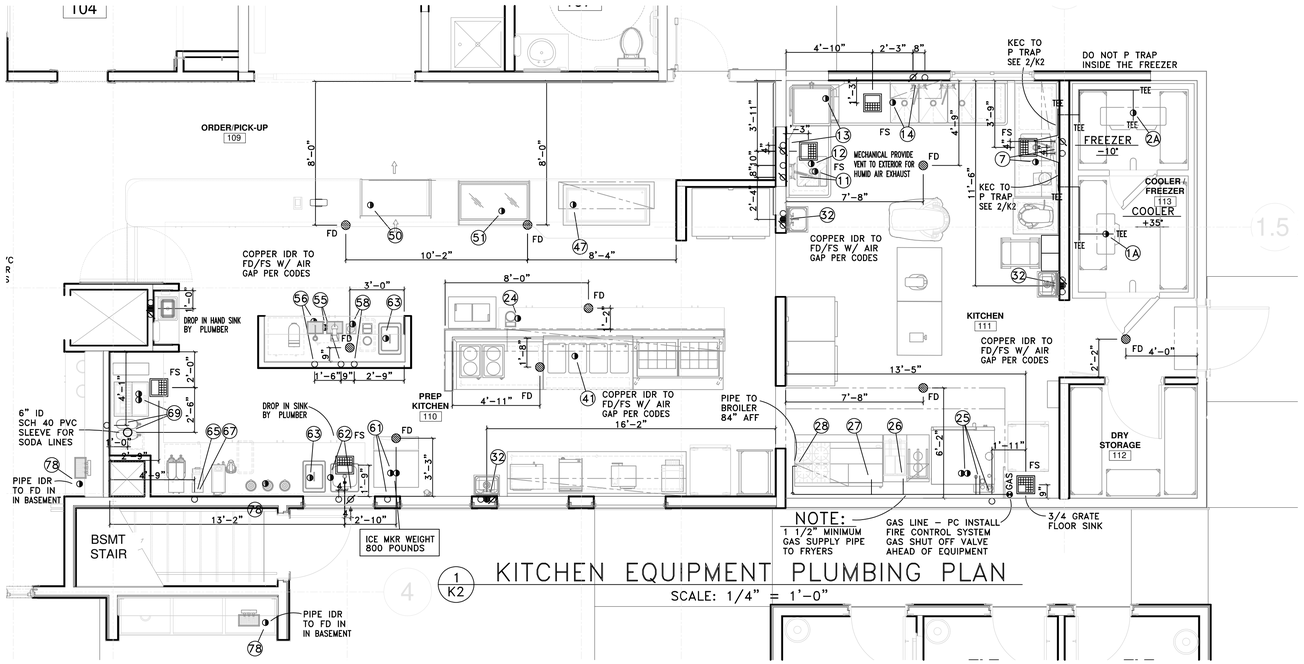
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SHEET TITLE

KITCHEN & BAR EQUIPMENT PLAN

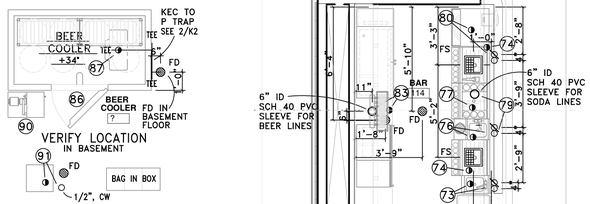
SHEET NUMBER

K1

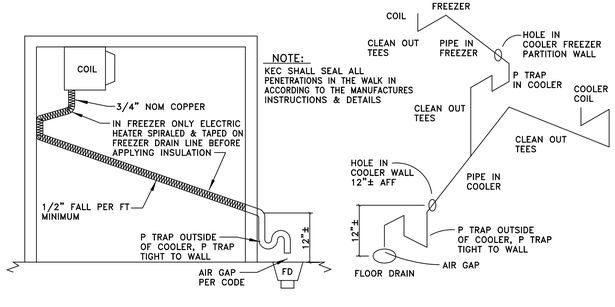


1 / K2 KITCHEN EQUIPMENT PLUMBING PLAN

SCALE: 1/4" = 1'-0"

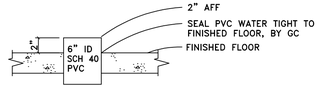


CONDENSER SPACE REQUIREMENTS



2 / K2 WALK IN DRAIN LINE - DETAIL

SCALE: NONE



3 / K2 BEVERAGE LINE SLEEVE

SCALE: NONE

KITCHEN EQUIPMENT PLUMBING REQUIREMENTS

NO	QTY	ITEM	WATER CW	WATER HW	WATER AFF	DRAIN DR	DRAIN AFF	GAS IDR	GAS SIZE	GAS MBH	REMARKS
1	1	WALK IN COOLER									
1A	1	WALK IN COOLER EVAPORATOR COIL						1"			SEE 2/K2
1B	1	WALK IN COOLER CONDENSER									
2	1	WALK IN FREEZER									
2A	1	WALK IN FREEZER EVAPORATOR COIL						1"			SEE 2/K2
2B	1	WALK IN FREEZER CONDENSER									
3	4	WALK IN SHELVING									
4	3	DRY STORAGE SHELVING									
5	1	AIR CURTAIN									
6	1	BUN PAN RACK									
7	1	TABLE W/ SINK	1/2"	1/2"	16"			2"			BTC - FAUCET - IDR TO FS
8	2	TABLE									
9	1	REFRIGERATOR									
10	1	FREEZER									
11	1	SOILED DISHTABLE	1/2"	1/2"	16"			2"			BTC - FAUCET - IDR TO #12
12	1	SCRAP COLLECTOR						2"			IDR TO FS
13	1	DISHMACHINE, VENT FREE 120° MIN HW - 30 GPH	3/4"	3/4"	16"			2"			BTC - 120° MIN HW - IDR TO FS
14	1	CLEAN DISHTABLE W/ POT & PAN SINK	3/4"	3/4"	16"			2"			BTC - TEE TWO FAUCETS - IDR TO FS
15	1	TABLE W/ HEAT LAMP									
16	1	8 QUART MIXER									
17	1	60 QUART MIXER									
18	1	20 QUART MIXER									
19	-	NOT USED									
20	1	FOOD PROCESSOR									
21	1	CAN OPENER, ELECTRIC									
22	1	HEATER & PROOFER CABINET, GRAY									
23	1	ICE CREAM FREEZER									
24	1	HEATED DIPPER WELL, DROP IN						1"			IDR TO FD
25	1	COMBI OVEN	3/4"		16"			2)2"	3/4"	2)107	BTC - MC INSTALL GAS HOSE
26	1	FRYER							3/4"	80	BTC - MC INSTALL GAS HOSE
27	1	RANGE							1"	238	BTC - MC INSTALL GAS HOSE
28	1	OVERHEAD BROILER, RANGE MOUNTED							3/4"	66	BTC - MC INSTALL GAS HOSE
29	1	COUNTER TOP STEAMER									
30	1	HOOD									BY MECHANICAL CONTRACTOR
31	1	FIRE CONTROL SYSTEM, WALL MTD REMOTE									BY MECHANICAL CONTRACTOR
32	3	HAND SINK W/ END SPLASHES	1/2"	1/2"	16"	2"	18"				BY PLUMBING CONTRACTOR
33	1	BREAD RACK									
34	1	HEATED CABINET, GRAY									
35	1	TOASTER									
36	1	WORK TABLE									
37	1	PANINI GRILL									
38	1	MICROWAVE									
39	2	SOUP HOT WELL, COUNTER TOP									
40	1	TABLE									
41	1	HOT FOOD COUNTER						1"			IDR TO FD
42	1	SANDWICH UNIT									
43	1	DOUBLE OVER SHELF									
44	1	HEAT LAMP									
45	1	PICK UP COUNTER W/ STORAGE (WALL)									
46	1	REFRIGERATOR									
47	1	COLD PAN						1"			IDR TO FD
48	1	SNEEZE GUARD									
49	LOT	MILLWORK COUNTER									
50	1	REFRIGERATED GRAB & GO, FLUSH W/ COUNTER TOP						1"			IDR TO FD
51	1	REFRIGERATED PASTRY CASE						1"			IDR TO FD
52	LOT	POS SYSTEM									
53	LOT	COFFEE DISPENSER, AIRPOT									
54	2	UNDERCOUNTER REFRIGERATOR									
55	1	ESPRESSO HEAD W/ GENERATOR	1/2"		16"			1"			IDR TO FS - CW THRU WATER FILTER
56	1	STEAM HEAD W/ GENERATOR	1/2"		16"			1"			IDR TO FS - CW THRU WATER FILTER
57	1	ESPRESSO GRINDER									
58	1	RINSER	1/2"		16"			1"			IDR TO FS
59	1	KNOCK BOX									
60	2	TRASH CAN, SLIM									
61	1	ICE MAKER	1/2"		72"			2)1"			BTC - CW THRU FILTER - IDR TO FD
62	1	SINK, DROP IN	1/2"	1/2"	16"			2"			BY PLUMBER
63	2	ICE CHEST, DROP IN						1"			IDR TO FS
64	3	BLENDER									
65	1	COFFEE BREWER, AIRPOT	1/2"		16"						BTC - TEE OFF TO TEA BREWER
66	1	COFFEE GRINDER									
67	1	TEA BREWER W/ TWO 6" WIDE DISPENSERS	1/2"		-						FROM COFFEE BREWER
68	2	TEA DISPENSER, 6" WIDE									
69	1	SODA DISPENSER W/ ICE CHEST & CARBONATOR	1/2"		16"			2)1"			BTC - IDR TO FS - 6" SLEEVE FOR SODA LINES
70	1	CUP DISPENSER									
71	1	BAG IN BOX									
72	1	TRASH CAN, SLIM, BAR									
73	1	HAND SINK, BAR	1/2"	1/2"	12"			2"			BTC - FAUCET - IDR TO FS
74	2	WORK TOP, BAR						1"			IDR TO FS
75	1	BLENDER, BAR									
76	1	BLENDER STATION W/ DUMP SINK, BAR	1/2"	1/2"	12"			2"			BTC - FAUCET - IDR TO FS
77	1	ICE CHEST, BAR						1"			IDR TO FS
78	2	SPARKLING WATER DISPENSER						1"			IDR TO FD IN BASEMENT
79	1	SODA GUN W/ CARBONATOR, BAR	1/2"		-						TEE CW FROM SINK - 6" SLEEVE FOR SODA LINES
80	1	GLASS WASHER, BAR	1/2"	1/2"	12"			2"			BTC - IDR TO FS
81	-	OMIT									
82	2	BEER COOLER, BAR									
83	1	BEER TAP (6) W/ DRIP TROUGH, BAR						1"			IDR TO FD - 6" SLEEVE FOR BEER LINES
84	1	GLASS CHILLER, BAR									
85	1	WINE COOLER, BAR									
86	1	BEER COOLER									
87	1	BEER COOLER EVAPORATOR COIL						1"			SEE 2/K2
88	1	BEER COOLER CONDENSER									
89	2	KEG RACK									
90	1	BEER POWER PACK									
91	1	SPARKLING WATER DISPENSER, COOLING UNIT	1/2"		VFY			1"			BTC - PIPE TO TWO #78 WATER DISPENSER

KITCHEN EQUIPMENT PLUMBING GENERAL NOTES

01 MC TO PROVIDE FINAL CONNECTIONS TO ALL KITCHEN EQUIPMENT ITEMS PER LOCAL, STATE, & NATIONAL PLUMBING CODES
02 MC TO VERIFY REQUIREMENTS OF ALL KITCHEN EQUIPMENT ITEMS PROVIDED BY OTHERS AND/OR EXISTING BEFORE ROUGHING IN AND MAKING FINAL CONNECTIONS
03 MC TO FURNISH & INSTALL ALL SHUTOFF VALVES, SHOCK ABSORBERS, SNAP ACTION VALVES, TRIM, TRAPS, ETC REQUIRED FOR FINAL CONNECTION TO OUTLETS
04 MC TO FURNISH, INSTALL & CONNECT ALL WATER, DRAIN, INDIRECT DRAIN LINES, ETC FOR ALL KITCHEN EQUIPMENT ITEMS
05 MC TO FLUSH ALL LINES BEFORE MAKING FINAL CONNECTIONS
06 SEE ARCHITECT DRAWINGS FOR CONTINUATION OF PLUMBING OUTLETS
07 ROUGH IN REQUIREMENTS FOR OTHER ITEMS ARE TO BE SET FORTH BY OTHERS THIS PLAN COVERS ONLY KITCHEN EQUIPMENT ITEMS
08 ALL ROUGH IN MATERIAL SHALL BE RUN UNEXPOSED
09 KEC TO FURNISH & INSTALL 3/4" TYPE "K" COPPER DRAIN LINE FOR WALK-IN COOLER & FREEZER BLOWER COIL - SLOPE DRAIN LINES TO LOWEST POINT - EXIT WALK-IN & EXTEND TO FLOOR SINK - TRAP TO PREVENT AIR FROM BACKING UP IN TO FREEZER & COOLER COMPARTMENT
10 KEC TO FURNISH & INSTALL REFRIGERATION LINES PER SPECIFICATIONS, GC TO PROVIDE & SEAL ALL PENETRATIONS THRU BUILDING ROOF, WALLS, ETC
11 DO NOT CONNECT DISPOSERS TO GREASE TRAP
12 MC TO INSTALL ALL HAND SINKS & MOP SINKS
13 MECHANICAL ENGINEER TO DETERMINE GAS FEEDER SIZE FROM METER AND DELIVER 5.0" W.C. PRESSURE AT SERVICE FOR KITCHEN EQUIPMENT.

PLUMBING LEGEND

○	CW	COLD WATER
⌀	HW	HOT WATER
⊕	G	GAS
●	DR	DRAIN
◑	IDR	INDIRECT DRAIN, MC EXTEND TO FD/FS
◎	FD	FLOOR DRAIN
⊙	FFD	FUNNEL FLOOR DRAIN
▦	FS	FLOOR SINK W/ GRATE TOP SIZE SHOWN
	AFF	ABOVE FINISHED FLOOR
	BTC	BRANCH TO CONNECTION
	DFA	DROP FROM ABOVE
	KEC	KITCHEN EQUIPMENT CONTRACTOR
	MBH	000'S BRITISH THERMAL UNIT PER HOUR
	MC	MECHANICAL CONTRACTOR
	PC	PLUMBING CONTRACTOR
	SV	SOLENOID VALVE
	GT	GREASE TRAP

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PROJECT TITLE

CENTRAL HOUSE & GARDEN
BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
	ADDENDUM #01	10/16/2026
	ADDENDUM #04	10/23/2026

KEY PLAN

SIGN & SEAL

DRAWN BY: VPMII

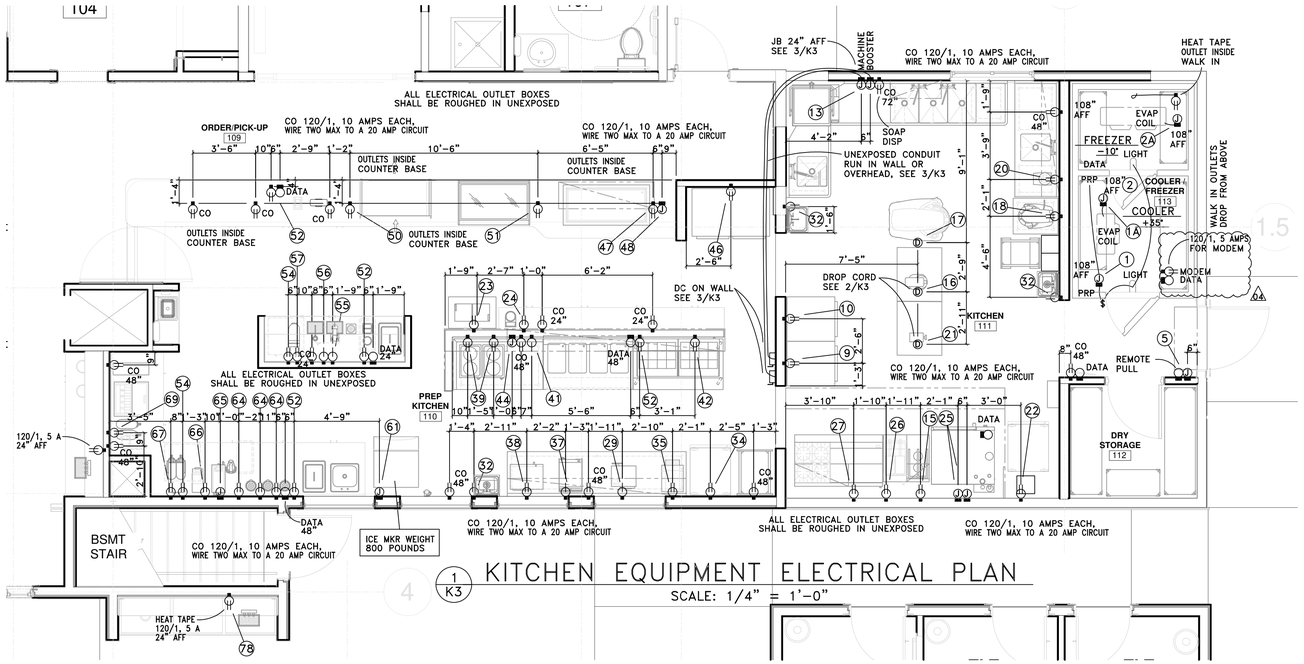
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SHEET TITLE

KITCHEN & BAR EQUIPMENT PLUMBING PLAN

SHEET NUMBER

K2



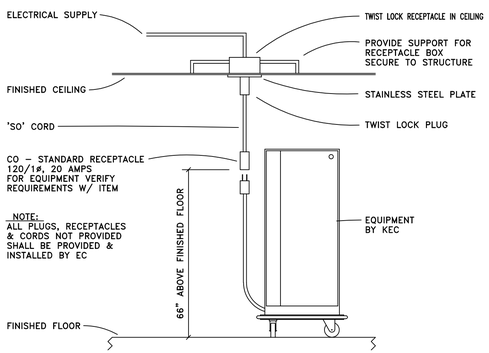
1 K3 KITCHEN EQUIPMENT ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

KITCHEN EQUIPMENT ELECTRICAL REQUIREMENTS

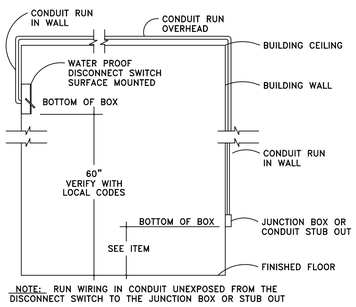
NO	QTY	ITEM	VOLTAGE/PHASE	LOAD	AFF	REMARKS
1	1	WALK IN COOLER	120/1	6 A	108"	BTC – DOOR HTR, PRP & LIGHTS
1A	1	WALK IN COOLER EVAPORATOR COIL	120/1	2 A	108"	BTC
1B	1	WALK IN COOLER CONDENSER	208/1	10 A	VFY	BTC – 20 MOPD
2	1	WALK IN FREEZER	120/1	6 A	108"	BTC – DOOR HTR, PRP & LIGHTS
2A	1	WALK IN FREEZER EVAPORATOR COIL	208/1	11 A	108"	BTC
2B	1	WALK IN FREEZER CONDENSER	208/1	20 A	VFY	BTC – 35 MOPD
3	4	WALK IN SHELVING				
4	3	DRY STORAGE SHELVING				
5	1	AIR CURTAIN	120/1	6 A	90"	BTC – EC WIRE TO MICRO SWITCH
6	1	BUN PAN RACK				
7	1	TABLE W/ SINK				
8	2	TABLE				
9	1	REFRIGERATOR	120/1	4 A	48"	CORD & PLUG
10	1	FREEZER	120/1	7 A	48"	CORD & PLUG
11	1	SOILED DISHTABLE				
12	1	SCRAP COLLECTOR				
13	1	DISHMACHINE, VENT FREE TWO OUTLETS	208/1: MACHINE 208/1: BOOSTER	40 A 44 A	24"	BTC – SEE 3/K3 – TWO OUTLETS
14	1	CLEAN DISHTABLE W/ POT & PAN SINK				
15	1	TABLE W/ HEAT LAMP	120/1	8 A	48"	CORD & PLUG
16	1	8 QUART MIXER	120/1	8 A	66"	CORD & PLUG – SEE 2/K3
17	1	60 QUART MIXER	208/1	18 A	66"	BTC – SEE 2/K3
18	1	20 QUART MIXER	120/1	8 A	48"	CORD & PLUG
19	–	NOT USED				
20	1	FOOD PROCESSOR	120/1	8 A	48"	CORD & PLUG
21	1	CAN OPENER, ELECTRIC	120/1	8 A	66"	CORD & PLUG – SEE 2/K3
22	1	HEATER & PROOFER CABINET, GRAY	120/1	16 A	48"	CORD & PLUG
23	1	ICE CREAM FREEZER	120/1	5 A	24"	CORD & PLUG
24	1	HEATED DIPPER WELL, DROP IN	120/1	1 A	24"	CORD & PLUG
25	1	COMBI OVEN	TWO 208/1	2)5 A	24"	CORD & PLUG
26	1	FRYER	120/1	16 A	24"	CORD & PLUG
27	1	RANGE	120/1	5 A	24"	CORD & PLUG
28	1	OVERHEAD BROILER, RANGE MOUNTED				
29	1	COUNTER TOP STEAMER	208/1	16 A	48"	CORD & PLUG
30	1	HOOD				BY MECHANICAL CONTRACTOR
31	1	FIRE CONTROL SYSTEM, WALL MTD REMOTE				BY MECHANICAL CONTRACTOR
32	3	HAND SINK W/ END SPLASHES	120/1	5 A	24"	BY PLUMBING CONTRACTOR
33	1	BREAD RACK				
34	1	HEATED CABINET, GRAY	120/1	16 A	48"	CORD & PLUG
35	1	TOASTER	120/1	16 A	48"	CORD & PLUG
36	1	WORK TABLE				
37	1	PANINI GRILL	208/1	22 A	48"	CORD & PLUG
38	1	MICROWAVE	120/1	16 A	48"	CORD & PLUG
39	2	SOUP HOT WELL, COUNTER TOP	TWO 120/1	10 A	48"	CORD & PLUG
40	1	TABLE				
41	1	HOT FOOD COUNTER	208/1	25 A	24"	CORD & PLUG
42	1	SANDWICH UNIT	120/1	7 A	24"	CORD & PLUG
43	1	DOUBLE OVER SHELF				
44	1	HEAT LAMP	120/1	15 A	48"	BTC
45	1	PICK UP COUNTER W/ STORAGE (WALL)				
46	1	REFRIGERATOR	120/1	4 A	48"	CORD & PLUG
47	1	COLD PAN	120/1	7 A	24"	CORD & PLUG – OUTLET IN MILLWORK CABINET BASE
48	1	SNEEZE GUARD	120/1	2 A	24"	CORD & PLUG – OUTLET IN MILLWORK CABINET BASE
49	LOT	MILLWORK COUNTER				
50	1	REFRIGERATED GRAB & GO, FLUSH W/ COUNTER TOP	120/1	10 A	24"	CORD & PLUG – OUTLET IN MILLWORK CABINET BASE
51	1	REFRIGERATED PASTRY CASE	120/1	13 A	24"	CORD & PLUG – OUTLET IN MILLWORK CABINET BASE
52	LOT	POS SYSTEM				BY OWNER – EC FURNISH ELECTRICAL & DATA OUTLETS
53	LOT	COFFEE DISPENSER, AIRPOT				
54	2	UNDERCOUNTER REFRIGERATOR	120/1	2 A	24"	CORD & PLUG
55	1	ESPRESSO HEAD W/ GENERATOR	208/1	20 A	24"	CORD & PLUG
56	1	STEAM HEAD W/ GENERATOR	208/1	20 A	24"	CORD & PLUG
57	1	ESPRESSO GRINDER	120/1	16 A	24"	CORD & PLUG
58	1	RINSER				
59	1	KNOCK BOX				
60	2	TRASH CAN, SLIM				
61	1	ICE MAKER	120/1	12 A	80"	BTC
62	1	SINK, DROP IN				
63	2	ICE CHEST, DROP IN				
64	3	BLENDER	120/1	16 A	48"	CORD & PLUG
65	1	COFFEE BREWER, AIRPOT	120/208/1	15 A	48"	BTC
66	1	COFFEE GRINDER	120/1	16 A	48"	CORD & PLUG
67	1	TEA BREWER W/ TWO 6" WIDE DISPENSERS	120/1	16 A	48"	CORD & PLUG
68	2	TEA DISPENSER, 6" WIDE				
69	1	SODA DISPENSER W/ ICE CHEST & CARBONATOR	120/1	16 A	24"	CORD & PLUG – FOR SODA DISP & CARBONATOR
70	1	CUP DISPENSER				
71	1	BAG IN BOX	120/1	16 A	VFY	
72	1	TRASH CAN, SLIM, BAR				
73	1	HAND SINK, BAR				
74	2	WORK TOP, BAR				
75	1	BLENDER, BAR				POWER FROM BLENDER STATION
76	1	BLENDER STATION W/ DUMP SINK, BAR	120/1	16 A	12"	CORD & PLUG
77	1	ICE CHEST, BAR				
78	2	SPARKLING WATER DISPENSER	120/1	5 A	24"	CORD & PLUG – FOR OUTDOOR UNIT HEAT TAPE
79	1	SODA GUN W/ CARBONATOR, BAR	120/1	16 A	12"	CORD & PLUG – FOR SODA GUN & CARBONATOR
80	1	GLASS WASHER, BAR	120/1	15 A	12"	BTC
81	–	OMIT				
82	2	BEER COOLER, BAR	120/1	3 A	24"	CORD & PLUG
83	1	BEER TAP (6) W/ DRIP TROUGH, BAR				
84	1	GLASS CHILLER, BAR	120/1	3 A	24"	CORD & PLUG
85	1	WINE COOLER, BAR	120/1	3 A	24"	CORD & PLUG
86	1	BEER COOLER	120/1	6 A	VFY	BTC – DOOR HTR, PRP & LIGHTS
87	1	BEER COOLER EVAPORATOR COIL	120/1	2 A	VFY	BTC
88	1	BEER COOLER CONDENSER	208/1	10 A	VFY	BTC – 20 MOPD
89	2	KEG RACK				
90	1	BEER POWER PACK	120/1	16 A	VFY	CORD & PLUG
91	1	SPARKLING WATER DISPENSER, COOLING UNIT	208/1	505 W	VFY	BTC

CO ALL 120/1, 10 AMPS EACH, WIRE TWO MAX TO A 20 AMP CIRCUIT



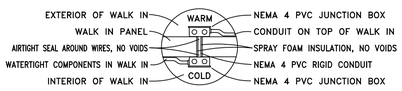
2 K3 DROP CORD – DETAIL

SCALE: NONE

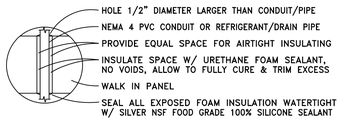


3 K3 DS TO JB DETAIL

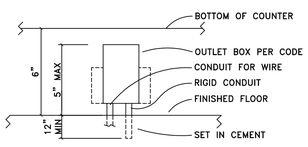
SCALE: NONE



WALK IN ELECTRICAL CONDUIT PENETRATION DETAIL



WALK IN CONDUIT/PIPE SEALING DETAIL



4 K3 STUB UP – DETAIL

SCALE: NONE

KITCHEN EQUIPMENT ELECTRICAL GENERAL NOTES

01 EC TO PROVIDE FINAL CONNECTIONS TO ALL KITCHEN EQUIPMENT ITEMS PER LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES
02 EC TO VERIFY REQUIREMENTS OF ALL KITCHEN EQUIPMENT ITEMS PROVIDED BY OTHERS AND/OR EXISTING BEFORE ROUGHING IN AND MAKING FINAL CONNECTIONS
03 EC TO SIZE ALL CONDUIT, JUNCTION BOXES, PULL BOXES, AND DISCONNECT SWITCHES PER LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES
04 EC TO FURNISH AND INSTALL ALL MAGNETIC STARTERS, THERMAL OVERLOAD PROTECTION CONTACTORS AND DISCONNECT SWITCHES ON ALL MOTORS AND ELEMENTS PER LOCAL, STATE AND NATIONAL ELECTRICAL AND BUILDING CODES
05 EC TO WIRE, FURNISH AND INSTALL CONDUIT TO RECEPTACLE JUNCTION BOX AND/OR DISCONNECT SWITCH PRE MOUNTED ON KITCHEN EQUIPMENT
06 EC TO FURNISH AND INSTALL ALL CORDS AND PLUGS NOT SUPPLIED WITH KITCHEN EQUIPMENT, CORDS NOT TO TOUCH THE FLOOR
07 EC TO INTER CONNECT ALL FIELD AND CONTROL WIRING
08 SEE ARCHITECTURAL DRAWINGS FOR CONTINUATION ELECTRICAL OF OUTLETS
09 ALL WIRING, CONDUIT, JUNCTION BOXES, RECEPTACLES AND DISCONNECT SWITCHES IN DISH WASHING AREA AND/OR INSIDE WALK-IN COOLER/FREEZER TO BE WATER PROOF
10 ROUGH IN REQUIREMENTS FOR OTHER ITEMS ARE TO BE SET FORTH BY OTHERS, THIS PLAN COVERS ONLY KITCHEN EQUIPMENT
11 ALL ROUGH IN MATERIAL SHALL BE RUN UNEXPOSED
12 LOADS SHOWN ARE KITCHEN EQUIPMENT LOADS ONLY
13 EC TO FURNISH AND INSTALL SHUNT TRIP BREAKERS REQUIRED FOR THE SHUTOFF OF POWER TO COOKING EQUIPMENT AND INNER WIRE WITH THE FIRE CONTROL SYSTEM
14 EC TO INNER CONNECT FIRE CONTROL SYSTEM WITH BUILDING ALARM SYSTEM
15 EC TO FURNISH AND INSTALL ALL CONTROL WIRING FOR FANS, WALK-INS, DISPOSERS, ETC

ELECTRICAL LEGEND

	DR	DUPLEX RECEPTACLE
	SR	SINGLE PURPOSE RECEPTACLE
	FR	FLUSH FLOOR RECEPTACLE
	JB	JUNCTION BOX
●	CS	CONDUIT STUB FOR DIRECT CONNECTION
	DS	DISCONNECT SWITCH
	LF	LIGHT FIXTURE
	DC	DROP CORD
$	SW	SWITCH
	AFF	ABOVE FINISHED FLOOR
	A	AMPS
	BTC	BRANCH TO CONNECTION
	CO	CONVENIENCE OUTLET – 16 A
	DFA	DROP FROM ABOVE
	EC	ELECTRICAL CONTRACTOR
	HP	HORSE POWER
	KEC	KITCHEN EQUIPMENT CONTRACTOR
	W	WATTS
	PRP	PRESSURE RELIEF PORT
	SV	SOLENOID VALVE

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
	ADDENDUM #01	10/16/2026
4	ADDENDUM #04	10/23/2026

KEY PLAN

SIGN & SEAL

DRAWN BY: VPMII

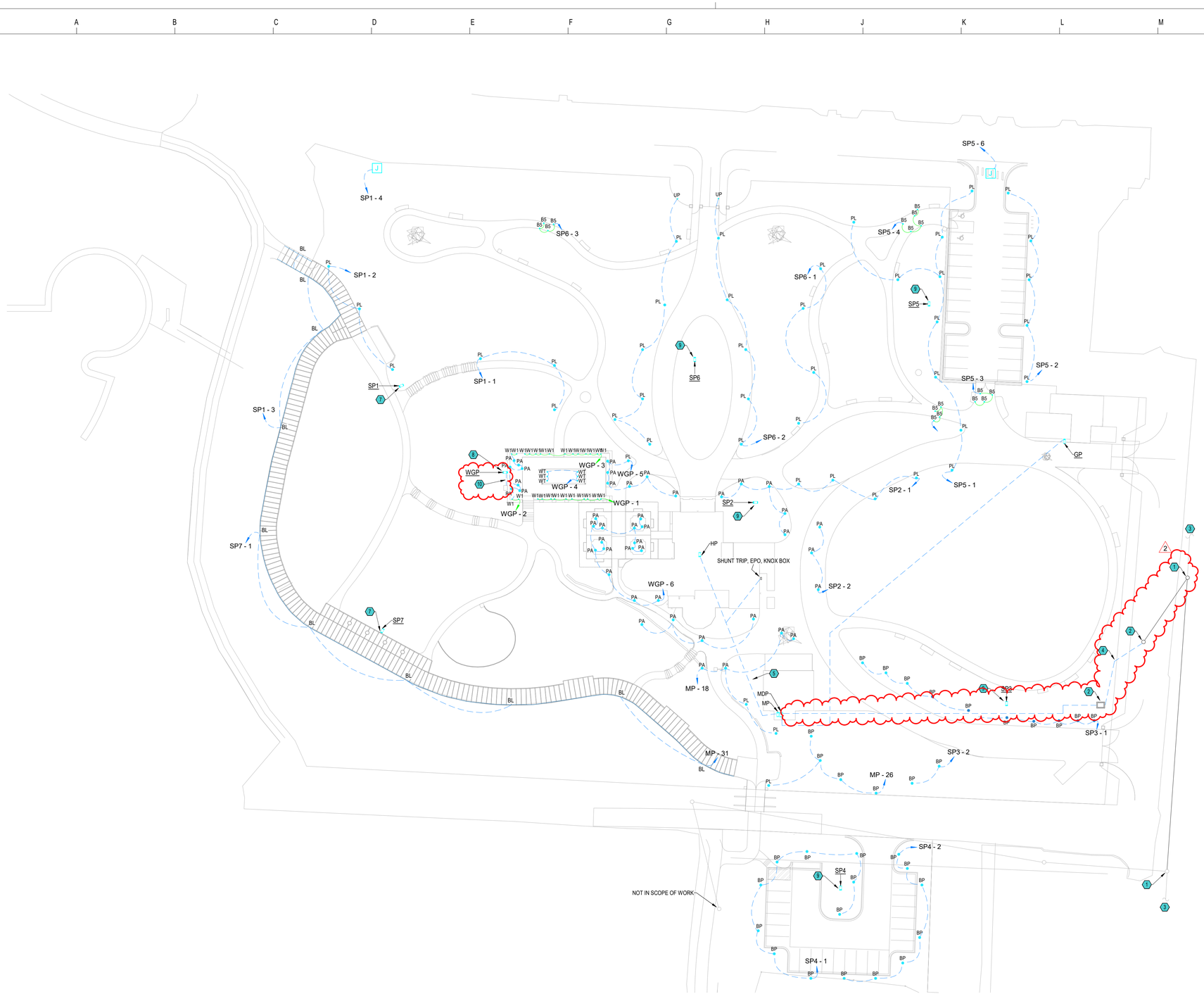
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SHEET TITLE

KITCHEN & BAR EQUIPMENT ELECTRICAL PLAN

SHEET NUMBER

K3



1 SITE PLAN - ELECTRICAL
1" = 40'-0"

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF SERVICE TO THE NEW BUILDING COORDINATE ALL REQUIREMENTS AND COSTS AND LABOR W/ LOCAL UTILITY PRIOR TO BID. ALL COST ASSOCIATED W/ THE DELIVERY OF ELECTRICAL SERVICE SHALL BE INCLUDED AS A PART OF THIS CONTRACT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE WITH ALL OTHER DISCIPLINES UTILITIES PRIOR TO TRENCHING.
3. REFER TO SHEET E401 FOR ALL WIRE AND CONDUIT SIZES.
4. REFER TO SHEET L-230 LIGHTING PLAN - SITE FROM DIRTWORKS FOR EXACT FIXTURE LOCATIONS.

KEYED NOTES

1. EXISTING THREE PHASE OVERHEAD UTILITY POWER POLE.
2. NEW OVERHEAD UTILITY POWER POLE. COORDINATE EXACT DIP POLE REQUIREMENTS WITH LOCAL UTILITY COMPANY.
3. EXISTING OVER HEAD UTILITY POWER LINE CONTINUES ON F STREET.
4. COORDINATE EXACT TRENCHING PATH WITH BENTONVILLE ELECTRIC COMPANY PRIOR TO TRENCHING. CONDUIT PATH IS FOR DIAGRAMMATIC PURPOSES ONLY.
5. SINGLE TRENCH, MULTIPLE CONDUITS
6. PROPOSED NEW UTILITY PROVIDED PAD MOUNTED SERVICE ENTRANCE TRANSFORMER.
7. PANELBOARD SHALL BE MOUNTED ON STRUCTURE OF THE BRIDGE. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
8. PANELBOARD SHALL BE MOUNTED ON EXTERIOR WALL OF BUILDING. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
9. PANELBOARD SHALL BE POST-MOUNTED IN A LOCATION OBSCURED FROM PUBLIC PEDESTRIAN SIGHT-LINES. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
10. CONDUIT AND PATH FOR POOL EQUIPMENT PUMP. COORDINATE EXACT CONDUIT AND PATH WITH POOL CONSULTANT.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 5824 MICHAEL PRESTON MARSH
10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

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SHEET TITLE

SITE PLAN - ELECTRICAL

SHEET NUMBER

E201

GENERAL NOTES

1. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE OR PROVIDED AS MULTI-BUTTON SWITCHES.
2. PROVIDE AN UN-SWITCHED LINE AND NEUTRAL TO EACH ELCD DEVICE FOR EMERGENCY FIXTURES.
3. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
4. COORDINATE PLACEMENT OF ALL LIGHTING FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.

KEYED NOTES

1. LIGHT FIXTURES SHALL BE WALL MOUNTED IN AN AREA THAT WILL NOT CONFLICT WITH MOVEMENT OF ELEVATOR.
2. RE-LAMP EXISTING FIXTURE.
3. LIGHTING CIRCUIT SHALL RUN THROUGH LIGHTING CONTACTOR TO ELECTRIC PHOTOCELL. COORDINATE EXACT PHOTOCELL LOCATION WITH OWNER/ARCHITECT. CONTACTOR LOCATED IN BASEMENT.
4. LIGHTING CIRCUIT SHALL RUN THROUGH ASTRONOMICAL TIME CLOCK. COORDINATE HOURS OF OPERATION WITH OWNER/ARCHITECT. TIME CLOCK LOCATED IN BASEMENT.
5. COORDINATE WITH ARCHITECT FOR EXACT HANGING POINTS ON THE RAFTERS FOR EACH FIXTURE PRIOR TO ROUGH IN.
6. ALL SWITCHES SHALL BE HARD WIRED. FOR DIAGRAMMATIC PURPOSES SWITCHING WIRES ARE NOT SHOWN.
7. EMERGENCY POWER VIA INVERTER PROVIDE ONE EVENLITE ELCD1008 TRANSFER DEVICE PER ROOM SWITCH. INVERTER LOCATED IN BASEMENT.

1 GROUND FLOOR PLAN - LIGHTING
3/16" = 1'-0"

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30524 CASEY PRESTON HARRIS 10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION No. 3523 ARKANSAS

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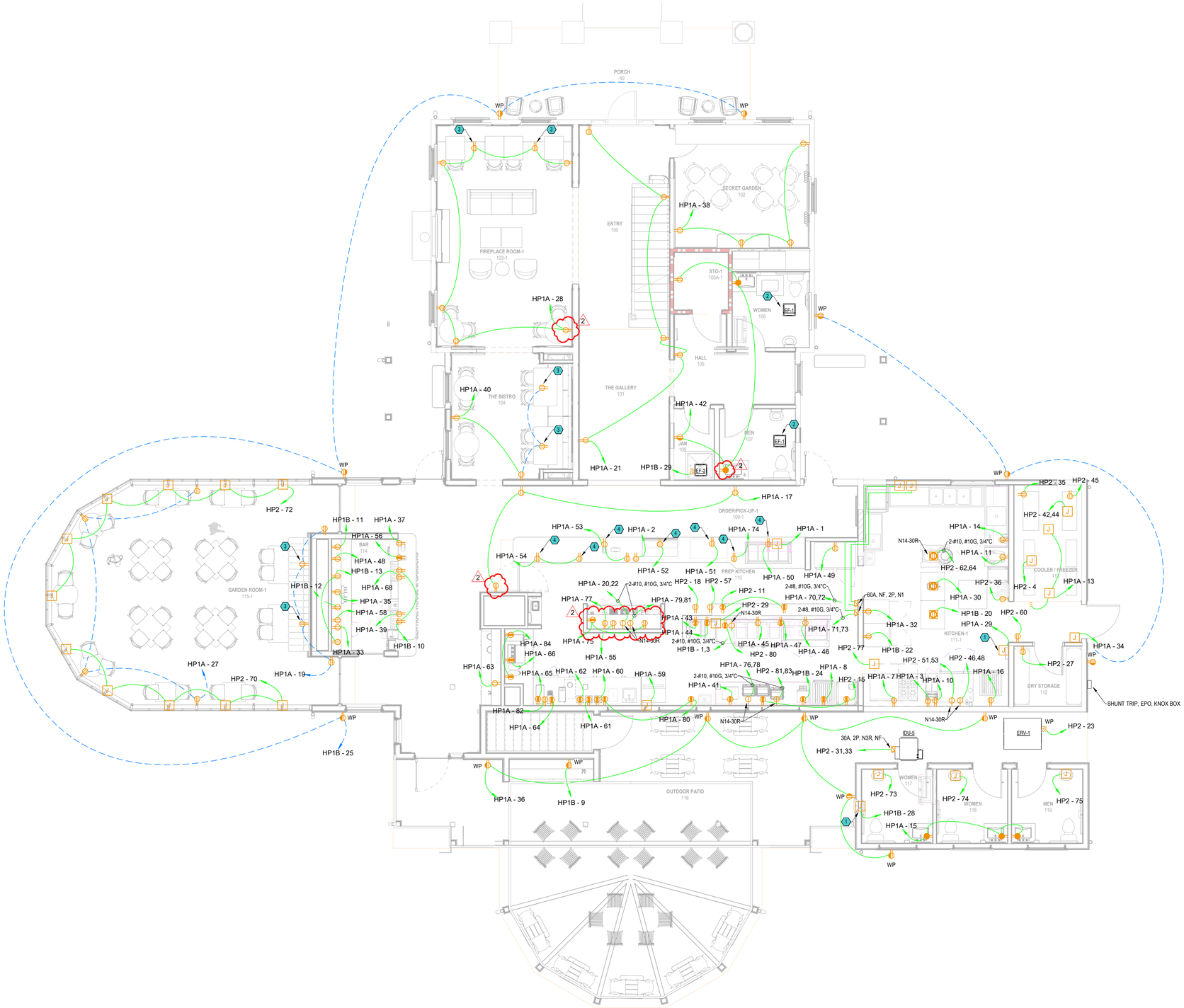
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SHEET TITLE

FIRST FLOOR PLAN - LIGHTING

SHEET NUMBER

E303



GENERAL NOTES

1. CONTRACTOR SHALL HAVE A WALK-THOUGH WITH THE ARCHITECT/ENGINEER/OWNER PRIOR TO CLOSING UP WALLS TO VERIFY POWER LOCATIONS. COORDINATE RECEPTACLE LOCATIONS WITH WOOD PANELING. REFER TO ARCHITECTURAL SHEETS.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, AND JUNCTION BOXES.
3. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON EACH RECEPTACLE COVER PLATE.
4. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
5. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
6. ALL LOW VOLTAGE CABELING SHALL BE PLENUM RATED. ROUTE ON J-HOOKS AND SECURE TO STRUCTURE WHERE J-HOOKS ARE NOT AVAILABLE. REFER TO ARCHITECTURAL PLANS FOR WALLS TO DECK.
7. ALL OUTLETS IN OFFICES, LOBBY, AND CORRIDORS SHALL BE TAMPER RESISTANT.
8. COORDINATE ALL KITCHEN EQUIPMENT/DEVICE MOUNTING HEIGHTS AND CONNECTIONS WITH MCKAY-LANE CONSULTING AND ARCHITECT PRIOR TO ROUGH-IN.

KEYED NOTES

1. PROVIDE 120V/1P ELECTRICAL CONNECTION & ANSUL SYSTEM CONTROL PANEL IN KITCHEN. PROVIDE (2) 120V/1P ENCLOSED SHUNT TRIP BREAKER FOR EMERGENCY SHUT OFF OF KITCHEN STOVE & EXHAUST HOOD. PROVIDE 3/4" SOLENOID SHUT OFF VALVE ABOVE CEILING IN KITCHEN TO INTERRUPT RANGE GAS LINE. COORDINATE WITH PLUMBING PLANS FOR FINAL LOCATION & SIZE OF GAS LINE SERVING KITCHEN RANGE. PROVIDE AND INSTALL EMERGENCY SHUT DOWN CONTROLS ADJACENT TO KITCHEN STOVE.
2. EXHAUST FAN SHALL INTERLOCK WITH LIGHT SWITCHING, CONNECT FAN TO NEAREST ELECTRICAL LIGHTING CIRCUIT.
3. RECEPTACLE SHALL BE MOUNTED IN BUILT IN BENCH, COORDINATE WITH ARCHITECT FOR EXACT MOUNTING LOCATION. RECEPTACLES SHALL INCLUDE USB-A/C PORTS.
4. RECEPTACLES SHALL BE INSTALLED INSIDE COUNTER BASE, COORDINATE WITH MCKAY-LANE CONSULTING PRIOR TO ROUGH IN.
5. POWER FOR HEAT TRACE, COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

1 GROUND FLOOR PLAN - POWER AND SYSTEMS
3/16" = 1'-0"

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30[illegible] MICHAEL PRESTON MORRIS 10/2/2026

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

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FIRST FLOOR PLAN - POWER

SHEET NUMBER

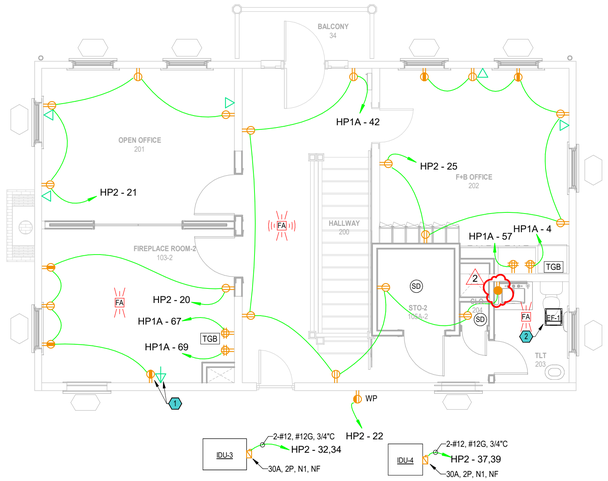
E304

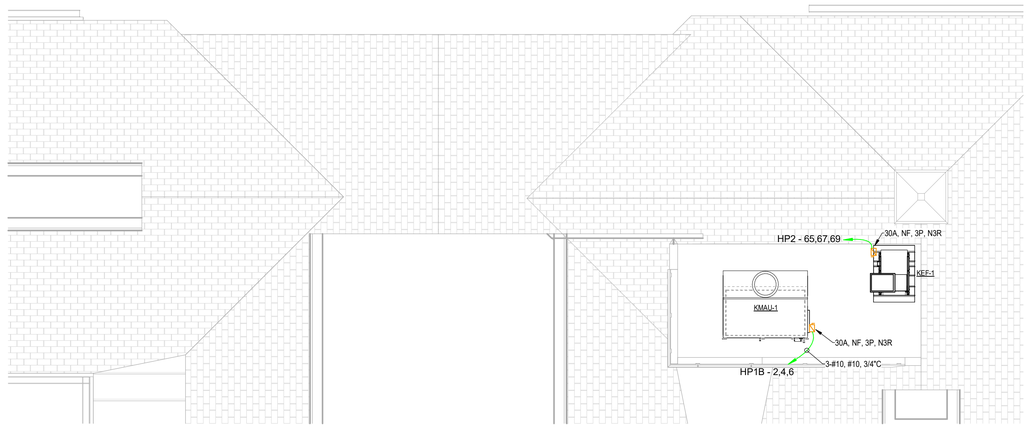
GENERAL NOTES

1. CONTRACTOR SHALL VERIFY DEVICE AND EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, AND JUNCTION BOXES.
3. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON EACH RECEPTACLE COVER PLATE.
4. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
5. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
6. ALL LOW VOLTAGE CABELING SHALL BE PLENUM RATED. ROUTE ON J-HOOKS AND SECURE TO STRUCTURE WHERE J-HOOKS ARE NOT AVAILABLE. REFER TO ARCHITECTURAL PLANS FOR WALLS TO DECK.
7. ALL OUTLETS IN OFFICES, LOBBY, AND CORRIDORS SHALL BE TAMPER RESISTANT.

KEYED NOTES

1. MOUNT AT 43" AFF.
2. EXHAUST FAN SHALL INTERLOCK WITH LIGHT SWITCHING. CONNECT FAN TO NEAREST ELECTRICAL LIGHTING CIRCUIT.





1 SECOND FLOOR PLAN - POWER AND SYSTEMS
3/16" = 1'-0"

N

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30[illegible] MICHAEL PRESTON HARVEY 10/2/2026

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

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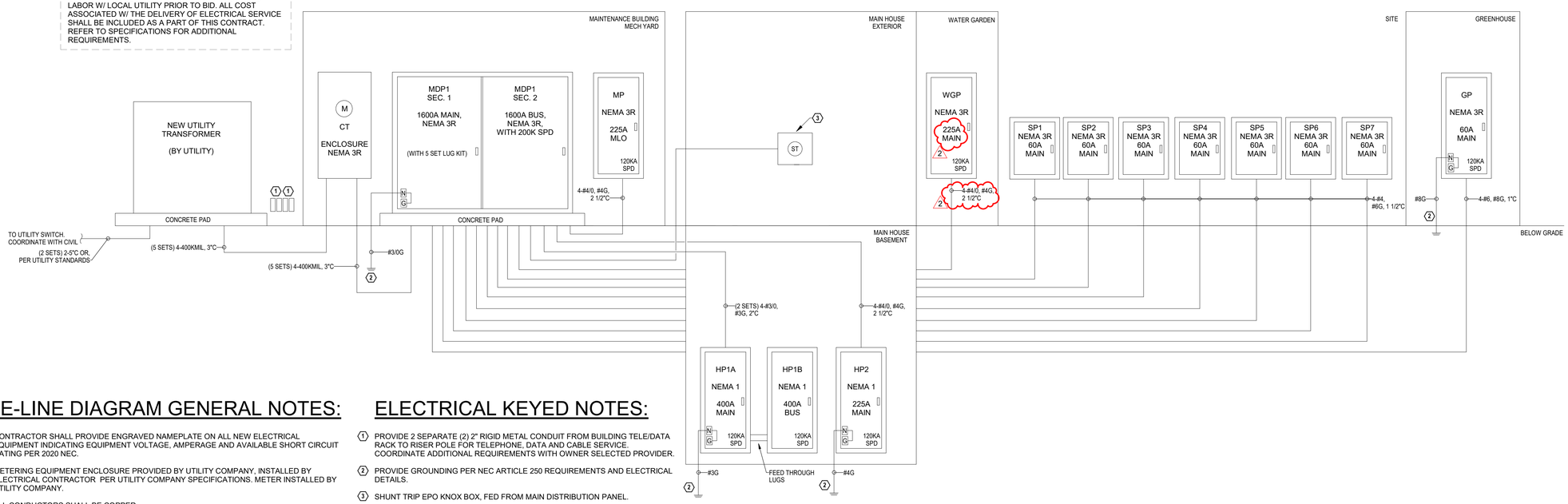
SECOND FLOOR PLAN - POWER AND SYSTEMS

SHEET NUMBER

E307

ELECTRICAL SERVICE SCOPE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF SERVICE TO THE NEW BUILDING COORDINATE ALL REQUIREMENTS AND COSTS AND LABOR W/ LOCAL UTILITY PRIOR TO BID. ALL COST ASSOCIATED W/ THE DELIVERY OF ELECTRICAL SERVICE SHALL BE INCLUDED AS A PART OF THIS CONTRACT. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



ONE-LINE DIAGRAM GENERAL NOTES:

A. CONTRACTOR SHALL PROVIDE ENGRAVED NAMEPLATE ON ALL NEW ELECTRICAL EQUIPMENT INDICATING EQUIPMENT VOLTAGE, AMPERAGE AND AVAILABLE SHORT CIRCUIT RATING PER 2020 NEC.

B. METERING EQUIPMENT ENCLOSURE PROVIDED BY UTILITY COMPANY, INSTALLED BY ELECTRICAL CONTRACTOR PER UTILITY COMPANY SPECIFICATIONS. METER INSTALLED BY UTILITY COMPANY.

C. ALL CONDUCTORS SHALL BE COPPER.

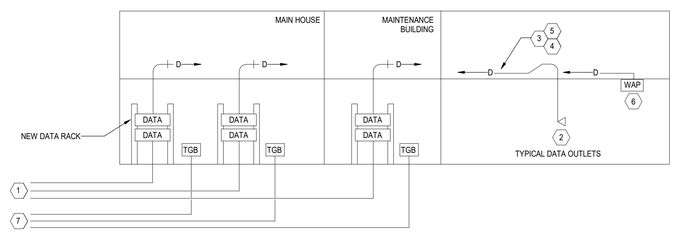
D. ACCORDING TO BENTONVILLE MUNICIPAL CODE SECTION 14-163 ALL SECONDARY UNDERGROUND ELECTRICAL FEEDERS SHALL BE A MINIMUM OF 24" DEEP FROM THE CITY CONNECTION TO THE STRUCTURE IT SERVES.

ELECTRICAL KEYED NOTES:

1. PROVIDE 2 SEPARATE (2) 2" RIGID METAL CONDUIT FROM BUILDING TELE/DATA RACK TO RISER POLE FOR TELEPHONE, DATA AND CABLE SERVICE. COORDINATE ADDITIONAL REQUIREMENTS WITH OWNER SELECTED PROVIDER.
2. PROVIDE GROUNDING PER NEC ARTICLE 250 REQUIREMENTS AND ELECTRICAL DETAILS.
3. SHUNT TRIP EPO KNOX BOX, FED FROM MAIN DISTRIBUTION PANEL.

1 ELECTRICAL RISER DIAGRAM

NOT TO SCALE:



DATA/TELE GENERAL NOTES:

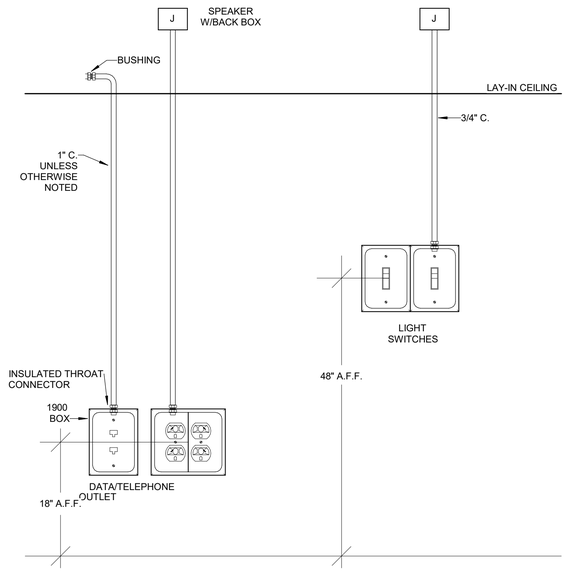
1. REFER TO SYSTEMS PLANS FOR EXACT QUANTITIES AND PLACEMENT OF FIRE ALARM DEVICES.
2. PROVIDE PLASTIC BUSHING ON EACH CONDUIT TERMINATION STUB UP.
3. ALL CABLES SHALL BE PLENUM RATED.
4. PROVIDE DEDICATED SYSTEM SLEEVES WITHIN EACH WALL AS REQUIRED.
5. CONDUIT FROM ALL DATA COMMUNICATIONS OUTLETS SHALL BE ROUTED AS FOLLOWS:
   A. ACCESSIBLE CEILING: CONDUIT MAY BE STUBBED TO ABOVE ACCESSIBLE CEILING AND ROUTED USING STRAPS OR D HOOKS TO DATA RACK.
   B. GYPSUM OR EXPOSED CEILING: CONDUIT SHALL BE RUN TO NEAREST ACCESSIBLE CEILING AND ROUTED USING STRAPS OR D HOOKS.
6. OWNER FURNISHED, CONTRACTOR INSTALLED: RACKS, SWITCHES, NETWORK HARDWARE AND EQUIPMENT.
7. CONTRACTOR FURNISHED, CONTRACTOR INSTALLED: PATCH PANELS, CABLING, JACKS, FACEPLATES, AND TERMINATIONS.
8. CONTRACTOR SHALL PROVIDE ALL TESTING.

DATA/TELE KEYED NOTES:

1. PROVIDE 2 SEPARATE (2) 2" PVC SCHEDULE 80 CONDUIT FROM BUILDING TELE/DATA RACK TO RISER POLE FOR TELEPHONE, DATA, FIBER AND CABLE SERVICE.
2. TYPICAL DATA/VOICE OUTLET. QUANTITIES OF JACKS OR CONNECTORS AS INDICATED ON PLANS. IF NO QUANTITY IS SHOWN, PROVIDE AND INSTALL 2 JACKS.
3. MINIMUM CONDUIT DROP SIZE TO ALL DATA OUTLETS SHALL BE 1" EMT AND SHALL EXTEND FROM OUTLET BOX TO ABOVE ACCESSIBLE CEILING.
4. ALL CABLE TO BE PLENUM RATED AND ROUTED IN STRAPS OR D-HOOKS.
5. ALL DATA CONDUCTORS SHALL BE CAT-6 AND SHALL HOME-RUN TO NEW PATCH PANELS IN RACK. ALL CABLE TO BE PLENUM RATED AND ROUTED IN STRAPS OR D-HOOKS.
6. TYPICAL WIRELESS ACCESS POINT. CONTRACTOR TO RUN 1-CAT-6 TO JUNCTION BOX IN CEILING. WAP PROVIDED BY OWNER.
7. TELEPHONE GROUND BAR BONDED BACK TO SERVICE ENTRANCE GROUND WITH #1/0AWG IN EMT.

3 TELE/DATA RISER DIAGRAM

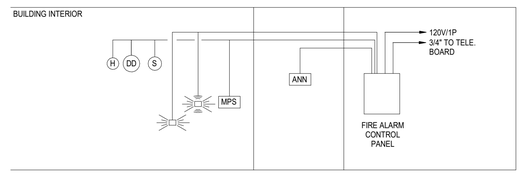
NOT TO SCALE:



NOTE: COORDINATE EXACT LOCATION OF ALL DEVICES WITH ARCHITECT PRIOR TO ROUGH-IN.

2 TYPICAL DEVICE ELEVATIONS

NOT TO SCALE:



FIRE ALARM GENERAL NOTES:

1. REFER TO SYSTEMS PLANS FOR EXACT QUANTITIES AND PLACEMENT OF FIRE ALARM DEVICES.
2. PROVIDE PLASTIC BUSHING ON EACH CONDUIT TERMINATION STUB UP.
3. ALL CABLES SHALL BE PLENUM RATED.
4. PROVIDE DEDICATED SYSTEM SLEEVES WITHIN EACH WALL AS REQUIRED.
5. FIRE ALARM WIRING SHALL BE PER THE FIRE ALARM SYSTEM MANUFACTURERS RECOMMENDATIONS.
6. ALL FIRE ALARM CIRCUITRY SHALL BE IN MINIMUM 3/4"C.
7. ALL FIRE ALARM JUNCTION BOXES TO BE PAINTED RED.
8. CONTRACTOR SHALL COORDINATE WITH ELEVATOR VENDOR REGARDING ALL ELEVATOR CONNECTIONS.
9. PROVIDE AIMS FOR ELEVATORS AND FIRE PROTECTION AS REQUIRED.

4 FIRE ALARM RISER DIAGRAM

NOT TO SCALE:

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 5025 MICHAEL PRESTON WARNER 10/2/2026

INSIGHT ENGINEERING, PLLC No. 3523 CERTIFICATE OF AUTHORIZATION ARKANSAS

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620 W. GERMANTOWN PIKE, STE. 210
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(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

DETAILS AND DIAGRAMS - ELECTRICAL

SHEET NUMBER

E401

Switchboard: MDP

Location: MAINTENANCE BLD.
Supply From: UTILITY
Mounting: PAD
Enclosure: NEMA 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K AIC
Mains Type: MAIN SECTION
BUS Rating: 1600 A

Notes:
WITH 5 SET LUG KIT.

CKT	Circuit Description	# ofPoles	Frame Size	Trip Rating	A	B	C	Remarks
1	MAIN BREAKER (LSIG, ERMS)	3	2000 A	1600 A	0 VA	0 VA	0 VA	
2	PANEL "HP1"	3	400 A	400 A	36721 VA	38539 VA	35285 VA	
3	PANEL "HP2"	3	400 A	225 A	15907 VA	13259 VA	16310 VA	
4	PANEL "GP"	3	400 A	125 A	2413 VA	1885 VA	2089 VA	
5	PANEL "WGP"	3	200 A	125 A	1623 VA	1611 VA	136 VA	
6	PANEL "SP1"	3	100 A	60 A	186 VA	650 VA	0 VA	
7	PANEL "SP2"	3	100 A	60 A	164 VA	0 VA	0 VA	
8	PANEL "SP3"	3	100 A	60 A	108 VA	0 VA	0 VA	
9	PANEL "SP4"	3	100 A	60 A	144 VA	0 VA	0 VA	
10	PANEL "SP5"	3	100 A	60 A	403 VA	81 VA	536 VA	
11	PANEL "SP6"	3	100 A	60 A	282 VA	36 VA	0 VA	
12	AH-1 ELECTRIC HEAT	3	200 A	110 A	12189 VA	12189 VA	12189 VA	
13	AH-1 SUPPLY FAN / CONTROLS	3	100 A	50 A	3482 VA	3482 VA	3482 VA	
14	AH-2 ELECTRIC HEAT	3	200 A	175 A	20427 VA	20427 VA	20427 VA	
15	AH-2 SUPPLY FAN / CONTROLS	3	100 A	90 A	6485 VA	6485 VA	6485 VA	
16	HP-1	3	100 A	50 A	4683 VA	4683 VA	4683 VA	
17	HP-2-1	3	100 A	80 A	6124 VA	6124 VA	6124 VA	
18	HP-2-2	3	200 A	100 A	7205 VA	7205 VA	7205 VA	
19	PANEL "SP7"	3	100 A	60 A	0 VA	200 VA	0 VA	
20	PANEL "MP"	3	400 A	225 A	17340 VA	17677 VA	14589 VA	
				Total Conn. Load:	135887 VA	134534 VA	129541 VA	
				Total Amps:	1139 A	1128 A	1080 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	7756 VA	100.00%	7756 VA		
Motor	2870 VA	125.00%	3588 VA	**Total Conn. Load:**	399961 VA
Other	1176 VA	100.00%	1176 VA	**Total Est. Demand:**	350437 VA
KITCHEN EQUIPMENT	25792 VA	70.00%	18054 VA	**Total Conn. Current:**	1110 A
POWER	18908 VA	100.00%	18908 VA	**Total Est. Demand Current:**	973 A
HVAC	239231 VA	100.00%	239231 VA		
WATER HEATER	6000 VA	100.00%	6000 VA		

LIGHTING FIXTURE SCHEDULE (W/ LOAD)

DESIGNATION	MANUFACTURER	MODEL	LOAD	VOLTAGE	DESCRIPTION
A1E	VISUAL COMFORT & CO	JN 4114G/CG	59 VA	120 V	FLUSH MOUNT CHANDELIER. INTEGRATE WITH INVERTER.
A2E	REJUVENATION	A7711-A7714	25 VA	120 V	SEMI FLUSH CHANDLIER. INTEGRATE WITH INVERTER.
AL	VISTA	1043-XX-VNS-27-F-MV-PCT-HS	17 VA	120 V	GROUND MOUNTED ACCENT LIGHT FRONT COLUMNS. MOUNT TO 2-3/8" PIPE TENON.
B1E	SPI LIGHTING	CUSTOM 32.75" DIA	36 VA	120 V	"PETAL" FIXTURE WITH 12" OAH. INTEGRATE WITH INVERTER.
B2E	SHADES OF LIGHT	PEP50011A04B	15 VA	120 V	SEAGRAVES PENDANT. INTEGRATE WITH INVERTER.
B3	NA	NA	15 VA	120 V	ALLOWANCE OF $5,000 PER FIXTURE.
B4A	VISUAL COMFORT & CO	700CLR240240XX-LED927R-MODIFIED W/ 58LED MODULE ASSEMBLIES 186.342"	82 VA	120 V	SHOE STRING CHANDELIER. CUSTOM LENGTH.
B4B	VISUAL COMFORTA & CO	700CLR240240XX-LED927R-MODIFIED W/ 58LED MODULE ASSEMBLIES 139.382"	82 VA	120 V	SHOE STRING CHANDELIER. CUSTOM LENGTH.
B5	AURORALIGHT	HPD1001372703-NAT	9 VA	120 V	OUTDOOR PENDANT.
BL	QTL	RGBW-HE24.4.0-WET-RGBW-XX-BW-XX-BK-CL2-288/WIDE-BZ-SST-DF-N1-98	50 VA	120 V	BRIDGE TAPE LIGHT.
BP	RADIA PATHWAY	LBRAP-AC	9 VA	120 V	BOLLARD.
C1	LUMENPULSE	LCRS-EZ-A-FD-120-S-L10-27K-95-M-DA1-XX-CC-XX-CC-IC-1-WET-NA	20 VA	120 V	4" WET LOCATION DOWNLIGHT. CUSTOM COLOR.
C1E	LUMENPULSE	LCRS-EZ-A-FD-120-S-L10-27K-95-M-DA1-XX-CC-XX-CC-IC-1-WET-NA	20 VA	120 V	4" WET RATED DOWNLIGHT. CUSTOM COLOR. INTEGRATE WITH INVERTER.
C2	LF ILLUMINATION	UN2S-S-15-9230-W-W-W-DMU-IC	15 VA	120 V	SQUARE TRIMLESS RECESSED DOWNLINGHT.
C2E	LF ILLUMINATION	UN2S-S-15-9230-W-W-W-DMU-IC	15 VA	120 V	SQUARE TRIMLESS RECESSED DOWNLINGHT. INTEGRATE WITH INVERTER.
C3	LF ILLUMINATION	UN2S-S-15-9230-V-W-W-DMU-IC	15 VA	120 V	SQUARE TRIMLESS RECESSED DOWNLINGHT.
C3E	LF ILLUMINATION	UN2S-S-15-9230-V-W-W-DMU-IC	15 VA	120 V	SQUARE TRIMLESS RECESSED DOWNLINGHT. INTEGRATE WITH INVERTER.
C4	LUMENPULSE	LCRS-EZ-A-FD-120-R-L13-27K-95-M-DA1-XX-XXX-TLR-RM-X-NA	20 VA	120 V	4' ROUND DOWNLIGHT.
C4E	LUMENPULSE	LCRS-EZ-A-FD-120-R-L13-27K-95-M-DA1-XX-XXX-TLR-RM-X-EBB-NA	20 VA	120 V	4' ROUND DOWNLIGHT. WITH BATTERY BACKUP.
CF1	MINKA	F727-WHF	20 VA	120 V	CEILING FAN.
CF2	MINKA	F896-84-WHF	8 VA	120 V	PATIO FAN.
CL1	QTL	QV-P-STAND-SW-6.0HE-30-DRY-ASYM-N/A-XXX-BW120-XX-CL2P-PLC-ST-LENGTH	50 VA	120 V	PERIMETER COVE LIGHT CONCEALED IN ARCHITECTURAL MOLDING. INSTALLER TO VERIFY ALL LENGTHS PRIOR TO ORDERING. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
CL2	QTL	KURV-SW-WSC-DRY-30-3.0HE-ENC/TL-S1-BW120-NA-WH-LENGTH	50 VA	120 V	COVE LIGHTING ABOVE FOOD SERVICE AND BAR. INSTALLER TO VERIFY ALL LENGTHS PRIOR TO ORDERING. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
CL3	QTL	TILT-01-SW-2.0-30-DMP-DF-S1-BW120-CLS-WH-CL2-SST-ST-LENGTH-0	50 VA	120 V	BACK PATIO CONCEALED COVE LIGHT. RUN CONTIUOUS ALONG BEAMS AND AROUND PERIMETER. COORDINATE INSTALLATION WITH MILLWORK CONTRACTOR. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
DA1	LF ILLUMINATION	UN2S-S-15-9230-M-W-W-DMU-IC	13 VA	120 V	RECESSED ADJUSTABLE ACCENT DOWNLIGHT FOR ARTWORK. COORDINATE FINAL OPTICAL SELECTION WITH ARTWORK PRIOR TO AIMING. PROVIDE SPARE OPTICS IN MULTIPLE BEAM SPREADS.
DA2	INTERLUX	MS-ZTA50P-S-12-927-F-BL-HCL	13 VA	120 V	MINI CYLINDER SUSPENDED WITHIN WOOD CEILING, REMOTE DRIVER
DA2E	INTERLUX	MS-ZTA50P-S-12-927-F-BL-HCL	13 VA	120 V	MINI CYLINDER SUSPENDED WITHIN WOOD CEILING, REMOTE DRIVER INTEGRATE WITH INVERTER.
EL	EVENLITE	SOVII-EM-X2M-X-RC-UC	5 VA	120 V	EXIT SIGN.
F2	NA	NA	25 VA	120 V	ALLOWANCE OF $1,500 PER SCONCE (PRODUCT COST ONLY).
F2E	NA	NA	25 VA	120 V	ALLOWANCE OF $1,500 PER SCONCE (PRODUCT COST ONLY). INTEGRATE WITH INVERTER.
F3	VISUAL COMFORT & CO	ARN 2922G-ALB	9 VA	120 V	FIREPLACE ROOM SCONCE.
G	ETI	PNL2X2-40L-LKFS-PRM-MSFP-SMK-22	60 VA	120 V	2X2 FLAT PANEL.
GE	ETI	PNL2X2-40L-LKFS-PRM-MSFP-SMK-22	60 VA	120 V	2X2 FLAT PANEL. INTEGRATE WITH INVERTER.
H	QTL	VERS-11-SW-9.0HE-30-DRY-DF-C-S2A-BW120-CLS-BK-CL2P-CC-XX-156"	117 VA	120 V	BANQUETTE UPLIGHT WITH GLARE CONTROL LOUVER. COORDINATE INSTALLATION WITH MILLWORK CONTRACTOR. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
L	CERNO	03-300-XX-XX-L-S-XX-P1	21 VA	120 V	WALL MOUNTED PICTURE LIGHT, COORDINATE SIZE, TEMPERATURE, AND MOUNTING HEIGHT WITH OWNERS ARTWORK CONSULTANT, CUSTOM FINISH.
NW1	VODE	707-Z2-SL-LENGTH-XX-CM-0-RPXX-AT-1-0-Z-SO-30-A3-0-WH-0	70 VA	120 V	SURFACE CORNER MOUNT TO HIGHLIGHT WALL SERVING AREA. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
NW2	QTL	OP2SW-4.0-27-DRY-ASYM-SW-BW120-CLS-WH-CL2P-CC-WH-X	70 VA	120 V	GLASS SHELF NOOK LIGHT
PA	HUNZA	TG-L-S-COP-2	5 VA	120 V	PATH LIGHT
PL	LUMENPULSE	ALG7200-120-CSL-S40-27K-3-XX-DIM-XX/PLM-4-AL-R-10-X-Q8-CC-QT8-AB/ARM-P-P4-CS12-S1E-4-R-X-BRK-CC/	31 VA	120 V	10' LAMP POST
PML	LUMENPULSE	LBM-120-30K-M-CBA-DIM-UL-3FT-BK / PM4-1 / SN	28 VA	120 V	POLE MOUNTED FACADE LIGHT WITH GLARE SNOOT. MOUNT TO SIDE OF POLE AT 8' AFF. SWITCH SEPARATELY FROM POST TOP FIXTURE.
S1	LA LIGHTING	CIT100-2-4-XXX-WL-SSL-DRDM-UNV-1-835	12 VA	120 V	4' STRIP LIGHT.
S1E	LA LIGHTING	CIT100-2-4-XXX-WL-SSL-DRDM-UNV-1-835	12 VA	120 V	4' STRIP LIGHT. INTEGRATE WITH INVERTER.
S2E	LA LIGHTING	CIT100-2-4-XXX-WL-SSL-BPLSL1.5-DRDM-UNV-1-835	12 VA	120 V	4' STRIP LGIHT WITH BATTERY PACK.
SC1	HEMERA	SAD-CBA-60-RP-COB-9W/95/30K-REM-SC-UNV	9 VA	120 V	GARDEN ROOM UP/DN SCONCE, REMOTE DRIVER, COORDINATE INSTALLATION WITH ARCHITECT PRIOR TO STARTING WORK. CUSTOM FINISH. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
SC2	DELTA LIGHT	NTA-DU-80-FX-30-WFL-SP-X-INC-D8-120	9 VA	120 V	OUTDOOR DINING COLUMN MOUNTED UP/DN FIXTURE. CUSTOM FINISH.
SC2E	DELTA LIGHT	NTA-DU-80-FX-30-WFL-SP-X-INC-D8-120	9 VA	120 V	OUTDOOR DINING COLUMN MOUNTED UP/DN FIXTURE. CUSTOM FINISH. INTEGRATE WITH INVERTER.
SU	QTL	TALO-ST-HSS-DF-NI-LENGTH / SW-HE24/3.0-WET-CCT	70 VA	120 V	INTEGRATED SHELF UP LIGHTING. COORDINATE INSTALLATION WITH MILLWORK CONTRACTOR. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
TK	QTL	SHLD-DRY-30-BW120-CLS-WH-CL2-N/A-N/A-LENGTH	50 VA	120 V	TOE KICK LIGHT. INSTALLER TO VERIFY ALL LENGTHS PRIOR TO ORDERING. ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
UC	QTL	WALA-SW-XX-DRY-30-4.0-ENC/TL-XX-BW-N/A-CL-LENGTH	50 VA	120 V	UNDER COUNTER TOP LIGHT. INSTALLER TO VERIFY ALL LENGTHS PRIOR TO ORDERING ELECTRICAL CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECT.
UP	VOYA	VOYA-EM-2.5-COB-12VAC-SW-ST-95-27-30D-CO	3 VA	120 V	UP LIGHT
US	QTL	TALO-ST-HSS-DF-NI-LENGTH / SW-HE24/3.0-27-DRY	70 VA	120 V	UNDERSIDE SHELF LIGHTING.
V	IBMIRROR	ORIGO2436	38 VA	120 V	OVAL MIRRIOR LIGHT.
W1	LUXR MODUX	M1-SLE-IA-C-27-ACAN	2 VA	120 V	WALL LIGHTING; MACHINED SOLID BRASS AND COPPER WALL & STEP LIGHT WITH OEM LED LIGHT MODULE. 2-1/4", DIAMETER TRIM.
W2	LIGHTOLOGY	SGL1335658	12 VA	120 V	OUTDOOR WALL SCONCE
W2E	LIGHTOLOGY	SGL1335658/BSL310M	12 VA	120 V	OUTDOOR WALL SCONCE WITH BATTERY PACK.
WT	LUXR MODUX	M4SPWB-IA-AC-26-2	5 VA	120 V	WATER LIGHT
WW	VISTA	1043-XX-MF-27-D-MV-PCT-HS	14 VA	120 V	GROUND MOUNTED ACCENT LIGHT FOR GLASS STRUCTURE AROUND GARDEN ROOM. MOUNT TO 2-3/8" PIPE TENON. CUSTOM FINISH.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 30274 CHARLES PRESTON HARVEY 10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION No. 3523 ARKANSAS

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(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

SCHEDULES - ELECTRICAL

SHEET NUMBER

E501

Branch Panel: GP

Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 60 A
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip (A)	Poles	"A"		"B"		"C"		Poles	Trip (A)	Circuit Description	CKT
1	EH-1	20	3	1141	432					1	20	VENT MOTOR	2
3	--	--	--			1141	360			1	20	SCREEN MOTOR	4
5	--	--	--					1141	528	1	20	EF-1	6
7	EF-1	20	1	528	312					1	20	EF-2	8
9	WALL SHUTTER MOTOR	20	1			24	360			1	20	PAD WALL PUMP	10
11	SUSPENDED UNIT HEATER	20	1					300	120	1	20	RECIRCULATION FAN	12
13	SPARE	20	1	0	0					1	20	SPARE	14
15	SPARE	20	1			0	0			1	20	SPARE	16
17	SPARE	20	1					0	0	1	20	SPARE	18
		Total Load:		2413 VA		1885 VA		2089 VA					
		Total Amps:		20 A		16 A		18 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6386 VA	100.00%	6386 VA		
				Total Conn. Load:	6386 VA
				Total Est. Demand:	6386 VA
				Total Conn. Current:	18 A
				Total Est. Demand Current:	18 A

Branch Panel: WGP

Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10K AIC
Bus Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip (A)	Poles	A		B		C		Poles	Trip (A)	Circuit Description	CKT
1	LTG WATER GARDEN	20	1	20	43					1	20	LTG WATER GARDEN	2
3	LTG WATER GARDEN	20	1			24	27			1	20	LTG WATER GARDEN	4
5	LTG EXTERIOR	20	1					61	75	1	20	LTG EXTERIOR	6
7	WATER PUMP	25	2	1560	0					1	20	SPARE	8
9	--	--	--			1560	0			1	20	SPARE	10
11	SPARE	20	1					0	0	1	20	SPARE	12
13	SPARE	20	1	0	0					1	20	SPARE	14
15	SPARE	20	1			0	0			1	20	SPARE	16
17	SPARE	20	1					0	0	1	20	SPARE	18
19	SPACE	--	1	--	--					1	--	SPACE	20
21	SPACE	--	1			--	--			1	--	SPACE	22
23	SPACE	--	1					--	--	1	--	SPACE	24
		Total Load:		1623 VA		1611 VA		136 VA					
		Total Amps:		15 A		15 A		1 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	250 VA	100.00%	250 VA		
Spare	3120 VA	100.00%	3120 VA	**Total Conn. Load:**	3370 VA
				Total Est. Demand:	3370 VA
				Total Conn. Current:	9 A
				Total Est. Demand Current:	9 A

Branch Panel: MP

Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 3R

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35K AIC
Bus Rating: 225 A
MCB Rating: MLO

Notes:

CKT	Circuit Description	Trip (A)	Poles	A		B		C		Poles	Trip (A)	Circuit Description	CKT
1	FREEZER CONDENSER	35	2	2080	1139					3	15	EH-1	2
3	--	--	--			2080	1139			--	--	--	4
5	EH-1	15	3					1139	1139	--	--	--	6
7	--	--	--	1139	1040					2	20	COOLER CONDENSER	8
9	--	--	--			1139	1040			--	--	--	10
11	DSCU-1	30	2					1664	250	2	20	GARAGE DOOR	12
13	--	--	--	1664	250					--	--	--	14
15	GARAGE DOOR	20	2			250	720			1	20	RCPT GARAGE (GFCI)	16
17	--	--	--					250	82	1	20	LTG SITE	18
19	HVLS-1	20	1	500	720					1	20	RCPT GARAGE (GFCI)	20
21	RCPT OFFICE	20	1			720	180			1	20	RCPT REFRIGERATOR	22
23	RCPT OFFICE KITECH	20	1					180	180	1	20	RCPT OFFICE KITCHEN	24
25	WATER HEATER	20	3	2000	67					1	20	LTG SITE	26
27	--	--	--			2000	1040			2	20	BEER CONDENSER	28
29	--	--	--					2000	1040	--	--	--	30
31	LTG SITE	20	1	100	336					1	20	LTG MAINTENANCE	32
33	LTG OUTDOOR	20	1			24	720			1	20	RCPT OUTDOOR	34
35	RCPT MAINTENANCE	20	1					360	180	1	20	DATA RACK	36
37	ODU-1	80	3	6124	180					1	20	DATA RACK	38
39	--	--	--			6124	500			1	20	POWER MAINTENANCE-1 M104-1	40
41	--	--	--					6124	0	1	20	SPARE	42
43	SPARE	20	1	0	0					1	20	SPARE	44
45	SPARE	20	1			0	0			1	20	SPARE	46
47	SPARE	20	1					0	0	1	20	SPARE	48
49	SPARE	20	1	0	0					1	20	SPARE	50
51	SPARE	20	1			0	0			1	20	SPARE	52
53	SPARE	20	1					0	0	1	20	SPARE	54
55	SPACE	--	1	--	--					1	--	SPACE	56
57	SPACE	--	1			--	--			1	--	SPACE	58
59	SPACE	--	1					--	--	1	--	SPACE	60
		Total Load:		17340 VA		17677 VA		14589 VA					
		Total Amps:		148 A		151 A		122 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	28538 VA	100.00%	28538 VA		
KITCHEN EQUIPMENT	8320 VA	90.00%	7488 VA	**Total Conn. Load:**	49607 VA
LIGHTING	609 VA	100.00%	609 VA	**Total Est. Demand:**	48775 VA
POWER	2000 VA	100.00%	2000 VA	**Total Conn. Current:**	138 A
RECEPTACLE	4140 VA	100.00%	4140 VA	**Total Est. Demand Current:**	135 A
WATER HEATER	6000 VA	100.00%	6000 VA		

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30524 CASEY PRESTON HARRIS
10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION No. 3523 ARKANSAS

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(479) 629 4572

ACOUSTICAL ENGINEERS
ACENTECH
620 W. GERMANTOWN PIKE, STE. 210
PLYMOUTH MEETING PA 19462
(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

SCHEDULES - ELECTRICAL

SHEET NUMBER

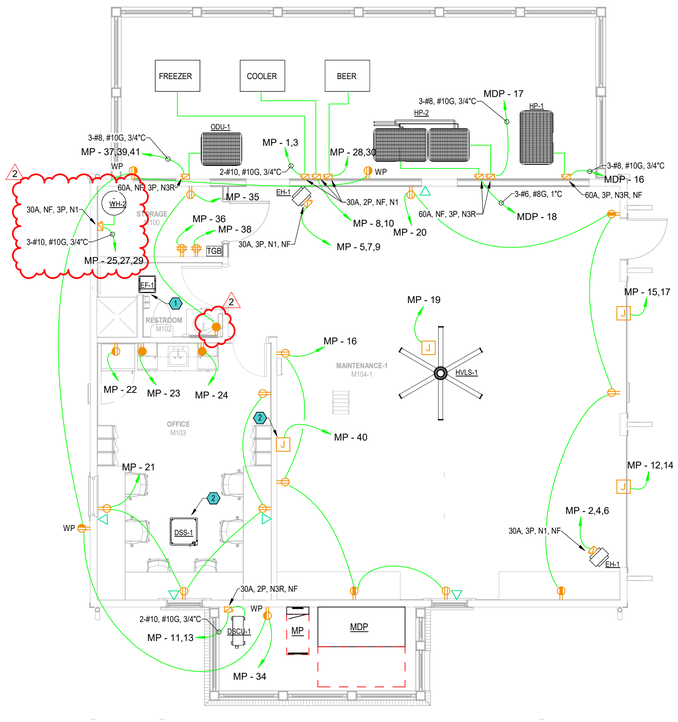
E504

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY DEVICE AND EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
2. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, AND JUNCTION BOXES.
3. CONTRACTOR SHALL INDICATE CIRCUIT SERVING EACH RECEPTACLE BY PROVIDING TYPE WRITTEN LABELING LOCATED ON EACH RECEPTACLE COVER PLATE.
4. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH ENGINEER AND ARCHITECT PRIOR TO INSTALLATION. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
5. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
6. ALL LOW VOLTAGE CABELING SHALL BE PLENUM RATED. ROUTE ON J-HOOKS AND SECURE TO STRUCTURE WHERE J-HOOKS ARE NOT AVAILABLE. REFER TO ARCHITECTURAL PLANS FOR WALLS TO DECK.
7. ALL RECEPTACLES SHALL BE DECORA TYPE WITH THE GROUND PIN DOWN. COORDINATE COLOR WITH ARCHITECT.

KEYED NOTES

1. EXHAUST FAN SHALL INTERLOCK WITH LIGHT SWITCHING, CONNECT FAN TO NEAREST ELECTRICAL LIGHTING CIRCUIT.
2. INDOOR UNIT IS POWERED BY OUTDOOR UNIT. RUN 2-#12, #12G, 3/4"C TO UNIT.
3. IRRIGATION CONTROLLER. CONTROL EXACT LOCATION WITH CIVIL/ARCHITECT.



1 MAINTENANCE BUILDING PLAN - POWER AND SYSTEMS
3/16" = 1'-0"

N

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30[illegible] MICHAEL PRESTON MORRIS 10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3529 ARKANSAS

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(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

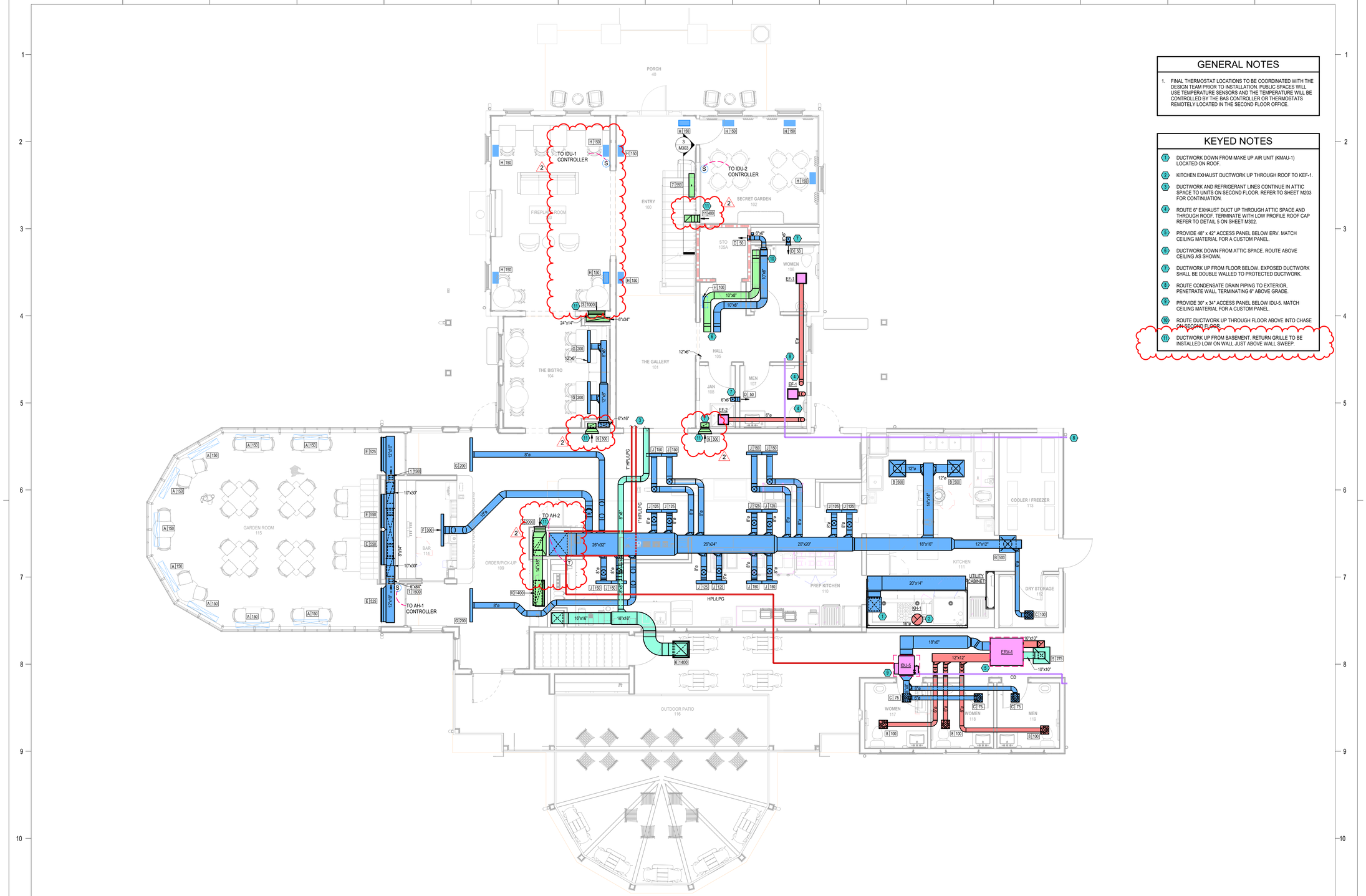
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SHEET TITLE
MAINTENANCE BUILDING PLAN - POWER AND SYSTEMS

SHEET NUMBER
E803



GENERAL NOTES

1. FINAL THERMOSTAT LOCATIONS TO BE COORDINATED WITH THE DESIGN TEAM PRIOR TO INSTALLATION. PUBLIC SPACES WILL USE TEMPERATURE SENSORS AND THE TEMPERATURE WILL BE CONTROLLED BY THE BAS CONTROLLER OR THERMOSTATS REMOTELY LOCATED IN THE SECOND FLOOR OFFICE.

KEYED NOTES

1. DUCTWORK DOWN FROM MAKE UP AIR UNIT (KMAU-1) LOCATED ON ROOF.
2. KITCHEN EXHAUST DUCTWORK UP THROUGH ROOF TO KEF-1.
3. DUCTWORK AND REFRIGERANT LINES CONTINUE IN ATTIC SPACE TO UNITS ON SECOND FLOOR. REFER TO SHEET M203 FOR CONTINUATION.
4. ROUTE 6" EXHAUST DUCT UP THROUGH ATTIC SPACE AND THROUGH ROOF. TERMINATE WITH LOW PROFILE ROOF CAP REFER TO DETAIL 5 ON SHEET M302.
5. PROVIDE 48" x 42" ACCESS PANEL BELOW ERV. MATCH CEILING MATERIAL FOR A CUSTOM PANEL.
6. DUCTWORK DOWN FROM ATTIC SPACE. ROUTE ABOVE CEILING AS SHOWN.
7. DUCTWORK UP FROM FLOOR BELOW. EXPOSED DUCTWORK SHALL BE DOUBLE WALLED TO PROTECTED DUCTWORK.
8. ROUTE CONDENSATE DRAIN PIPING TO EXTERIOR. PENETRATE WALL TERMINATING 6" ABOVE GRADE.
9. PROVIDE 30" x 34" ACCESS PANEL BELOW IDU-5. MATCH CEILING MATERIAL FOR A CUSTOM PANEL.
10. ROUTE DUCTWORK UP THROUGH FLOOR ABOVE INTO CHASE ON SECOND FLOOR.
11. DUCTWORK UP FROM BASEMENT. RETURN GRILLE TO BE INSTALLED LOW ON WALL JUST ABOVE WALL SWEEP.

1 GROUND FLOOR PLAN - MECHANICAL
3/16" = 1'-0"

N

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 19764
ALLISON A LEE
10/2/2026

CERTIFICATE OF AUTHORIZATION
INSIGHT ENGINEERING, PLLC
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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

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SHEET TITLE

FIRST FLOOR PLAN - MECHANICAL

SHEET NUMBER

M202

EXHAUST FAN INFORMATION – JOB#8702135

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
2	KEF-1	1	USB118DD-RM	CAPTIVEAIRE	2580	1.750	1301	TEFC,PREMIUM	1.500	1.2050	3	208	5.6	1322 FPM	550	20.1

DOAS/RTU FAN SCHEDULE – JOB#8702135

FAN INFORMATION										ELECTRICAL INFORMATION					COOLING INFORMATION											GAS HEAT INFORMATION					A2L MINIMUM ROOM VOLUME			
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	TOTAL CFM	MAX OUTSIDE AIR CFM	RETURN AIR CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	OUTSIDE AIR		MIXED AIR		LEAVING AIR			CAPACITY		IEER	ISMRE2	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	NOTES
																DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.										
2	KMAU-1	1	CAS-HVAC1-1150-15-ST-MPU	CAPTIVEAIRE	15P-1	2064	2064	0	1181	0.375	2.00	3	208	29A	35A	89.9°F	78.3°F	89.9°F	78.3°F	71.1°F	71.0°F	70.9°F	63.8 MBH	42.5 MBH	17.9	6.4	NATURAL	147727	119659	50°F	7 IN. W.C. - 14 IN. W.C.	175.6	304	7.2	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

NOTES:
1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP
11. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
12. LOW AMBIENT COOLING OPERATION DOWN TO 0°F
13. HAIL GUARD FOR CONDENSING COIL
14. 1" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-4.3 INSULATION-MINIMUM 24GA EXTERIOR W/ 18GA BASE
15. SIDE DISCHARGE/NO RETURN
16. MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.
17. SCCR RATING OF 10kAMP

HOOD INFORMATION – JOB#8702135

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)						TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	KH-1	5424 ND-2-PSP-F	CAPTIVEAIRE	12' 0"	600 DEG	I	HEAVY	215	2580			4"	16"	2580	1848	-1.226"	2064	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)						FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES		
												TYPE	SIZE	MODEL #	QUANTITY		
1	KH-1	CAPTRATE SOLO FILTER	9	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO							YES	785 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	BACKSPLASH 108.00" HIGH X 163.00" LONG 430 SS VERTICAL.
		RIGHT SIDESPLASH 108.00" HIGH X 72.00" LONG 430 SS VERTICAL.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		INSULATION FOR TOP OF HOOD.
		STRUCTURAL FRONT PANEL.
		INSULATION FOR BACK OF HOOD.
		RISER SENSOR INSTALL 6IN PLEN.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		RIGHT WALL AS END PANEL.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1	KH-1	Front	145"	16"	6"	MUA			14"	344	0.107"
						MUA			14"	344	0.107"
						MUA			14"	344	0.107"
						MUA			14"	344	0.107"
						MUA			14"	344	0.107"
						MUA			14"	344	0.107"

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S)				
			FIRE SYSTEM		ELECTRICAL	SWITCHES	WEIGHT
			TYPE	SIZE	MODEL #	QUANTITY	
1	WALL MNT	12"x54"x24"	TANK FS	4.0/4.0	SC-311110MA	1 LIGHT 1 FAN	340.00 LBS

FIRE SYSTEM INFORMATION – JOB#8702135

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	40	37	WALL UTILITY CABINET LEFT	N/A

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	1	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	2	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300033-001 DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	8	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - SLPCDN-30FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN HOODS WITH UPTO 29' GAP. KIT CONTAINS 32 FEET OF BLACK MC WIRE, 32 FEET OF TAN MC WIRE, 30 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	6	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - VK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	2	0
		34 - 34 - A0034331 RED COLOR - 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT.	1	0
		SC-EGVA2 - GAS VALVE - 2" ELECTRICAL SHUTOFF VALVE FOR USE WITH HMI RESET, 110V, 60HZ (#82142B0). INCLUDES UPSTREAM STRAINER ASSEMBLY.	1	0

AIR DEVICES

DESIGNATION	REFERENCE PRODUCT		CONFIGURATION	MAXIMUM AIRFLOW (CFM)	TSP (IN. WC)	NECK SIZE (IN.)	PANEL SIZE (IN.)	MAX. N.C.	FINISH	REMARKS
	MANUFACTURER	MODEL								
A	TITUS	TAF-L-F	FLOOR SLOT	200	0.05	4 x 48	48 (16 OPEN APETURES)	20	WHITE	ANGLE DIFFUSER THROW TOWARD WINDOW.
B	TITUS	OMNI	LAY-IN PLAQUE	500	0.12	12	24 x 24	20	WHITE	PROVIDE WITH INSULATION BLANKET AND FACE DAMPER.
C	TITUS	OMNI	LAY-IN PLAQUE	100	0.05	6	12 x 12	20	WHITE	PROVIDE WITH INSULATION BLANKET AND FACE DAMPER.
D	TITUS	300 RL	SIDEWALL	100	0.05	6 x 6	8 x 8	20	CUSTOM COLOR PER ARCH	
E	TITUS	FL-20	LINEAR SIDEWALL	550	0.06	4 x 48	48 (1 - 2" SLOTS)	18	BLACK	PROVIDE WITH JET THROW PATTERN AND FACE DAMPER. TRIMLESS, FLUSH BORDER TYPE 11. WALL MOUNTED
F	TITUS	FL-30	PLENUM SLOT	300	0.16	10	48 (1 - 2" SLOTS)	20	BLACK	PROVIDE WITH HIGH THROW PATTERN AND FACE DAMPER. TRIMLESS, FLUSH BORDER TYPE 11.
G	TITUS	FL-20	PLENUM SLOT	200	0.09	8	48 (1 - 2" SLOTS)	20	BLACK	PROVIDE WITH HIGH THROW PATTERN AND FACE DAMPER. TRIMLESS, FLUSH BORDER TYPE 11.
H	PACIFIC REGISTER	ALUMINUM BACKED FLOOR GRILLE	FLOOR GRILLE	150	-	14" x 6"	16 1/8" x 8 1/8"	-	CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLOOR MOUNTED FLUSH KIT. CELTIC CROSS PATTERN.
J	TITUS	FL-20	PLENUM SLOT	200	0.09	8	24 (1 - 2" SLOTS)	20	BLACK	PROVIDE WITH HIGH THROW PATTERN AND FACE DAMPER. TRIMLESS, FLUSH BORDER TYPE 11.
1	PACIFIC REGISTER	FMF	SIDEWALL	1,750		6 x 72	8 x 74		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS PATTERN.
2	PACIFIC REGISTER	FMF	SIDEWALL	2,000		16 x 34	18 x 36		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS PATTERN.
3	PACIFIC REGISTER	FMF	SIDEWALL	1,000		24 x 14	26 x 16		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS PATTERN.
4	PACIFIC REGISTER	FMF	SIDEWALL	450		12 x 8	14 x 10		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS PATTERN.
5	TITUS	50 F	EGGCRATE	300	0.10	10 x 10	24 x 24	20	CUSTOM COLOR PER ARCH	PROVIDE WITH FILTER RACK AND FILTER.
6	TITUS	50 F	EGGCRATE	2,000	0.16	18 x 18	24 x 24	20	CUSTOM COLOR PER ARCH	PROVIDE WITH FILTER RACK AND FILTER.
7	PACIFIC REGISTER	ALUMINUM BACKED FLOOR GRILLE	FLOOR MOUNTED	550		32 x 6	34 1/8" x 8 1/8"		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLOOR MOUNTED FLUSH KIT. CELTIC CROSS PATTERN.
8	TITUS	50 F	EGGCRATE	100	0.07	6	12 x 12	20	CUSTOM COLOR PER ARCH	PROVIDE WITH FACE DAMPER.
9	PACIFIC REGISTER	FMF	SIDEWALL	300		20 x 6	22 x 8		WOOD REGISTER (CONFIRM WITH ARCH)	PLAIN WHITE OAK WOOD REGISTER TO BE STAINED AND PAINTED TO MATCH ADJACENT WALLS, COORDINATE WITH ARCHITECTURE. PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. BAR PATTERN.
10	PACIFIC REGISTER	FMF	CEILING	1,400		36 x 12	38 x 14		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS PATTERN.
11	PACIFIC REGISTER	FMF	SIDEWALL	400		10 x 16	12 x 18		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS PATTERN.

2

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 19764 ALLON A LEE 10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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PROJECT TITLE

CENTRAL HOUSE & GARDEN
BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

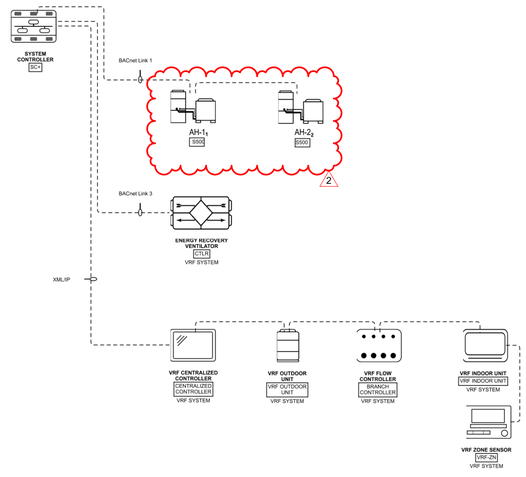
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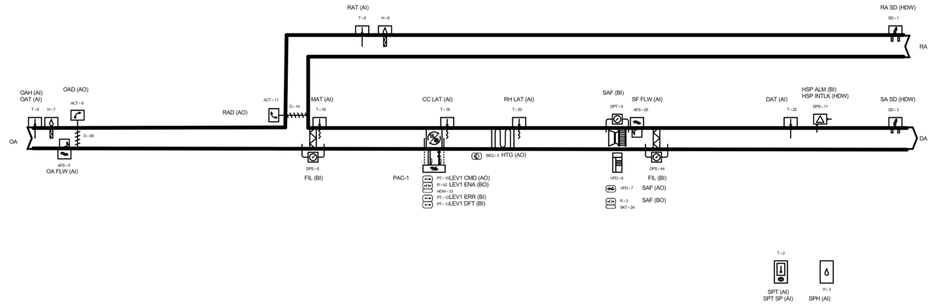
SHEET TITLE
SCHEDULES - HVAC

SHEET NUMBER
M402



1 SYSTEM ARCHITECTURE

NOT TO SCALE:



PAC-2

PT - >LEV2 CMD (AO)
R - >I LEV2 ENA (BO)
SKT - 36
PT - >LEV2 ERR (BI)
PT - >LEV2 DFT (BI)

Sequence of Operation: AH-1 & AH-2

Building Automation System Interface:

If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan shall run continuously and the mixed air dampers shall open to maintain minimum ventilation requirements. In the cooling mode the DX LEV shall modulate and stage to control the active space temperature setpoint. In the heating mode the DX LEV and mechanical heat shall stage up and down the electric heat shall modulate to control the active space temperature setpoint. If the space temperature sensor fails, the cooling and heating shall fallback to control to the discharge air temperature setpoint of 70 deg F (adj.) and an alarm shall be annunciated at the BAS. the supply fan shall be disabled, the DX cooling should be disabled, the electric heat should be disabled, the outdoor air should close, and an alarm should annunciate at the BAS.

Unoccupied:

During the unoccupied periods, the supply fan shall be disabled, the outside air damper shall close, the mechanical cooling shall be disabled, the mechanical heating shall be disabled, to conserve energy, the outdoor damper shall modulate if economizing is enabled and remain closed if not economizing, When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan shall start, the outdoor damper shall remain closed, and the mechanical heating shall be enabled. When the space temperature is above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.) the supply fan shall stop, the outdoor damper shall remain closed, and the mechanical heating shall be disabled.

Optimal Start:

The BAS shall monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Optimal Stop:

The BAS shall monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller shall switch to the unoccupied mode. Outside air damper shall remain enabled to provide minimum ventilation.

Occupied Bypass:

The BAS shall monitor the status of the ON and CANCEL buttons of the space temperature sensor. When an occupied bypass request is received from a space sensor, the unit shall transition from its current occupancy mode to occupied bypass mode and the unit shall maintain the space temperature to the occupied setpoints (adj.).

Heat/Cool Mode:

When the space temperature rises above the occupied cooling setpoint the mode shall transition to cooling. When the space temperature falls below the occupied heating setpoint the mode shall transition to heating. When the space temperature is below the occupied cooling setpoint and above the occupied heating setpoint the mode shall remain in its last state. If the space temperature sensor fails, the mode shall default to heating and an alarm shall annunciate at the BAS.

Morning Warm-Up Mode:

During optimal start, if the space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. When morning warm-up is initiated the unit shall enable the heating and fan(s). The outside air damper shall remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit shall transition to the occupied mode.

Daytime Warm-Up Control:

During Occupied periods, when the space temperature is below the Daytime Warm-up Initiate setpoint, a daytime warm-up sequence shall be activated. The outside air damper shall modulate to maintain minimum ventilation requirements, and the heating shall enable to maintain the discharge air temperature heating setpoint. Daytime Warm-up shall terminate when the average space temperature reaches the Occupied heating setpoint.

Supply Fan:

The supply fan shall be off in the unoccupied mode. When the controller is in the occupied mode, the supply fan shall operate continuously. The unit controller shall vary the supply fan speed to optimize minimum fan speed in all cooling and heating modes. If the supply fan fails to prove status for 30 seconds (adj.), the fan shall remain commanded on, the outside air damper shall close, all heating shall be disabled, and an alarm shall annunciate at the BAS. Once the fan status is proven on, the alarm on the supply fan shall clear. A hardwired, high static pressure cut-off switch shall be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan shall be commanded off, heating shall be disabled, the outside air damper shall close,
and an alarm shall annunciate at the BAS. A manual reset of the high static pressure cut-off switch shall be required to restart the fan.

Low Limit Temperature Control:

The initial damper opening rate shall be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper shall modulate to a position less than the minimum damper position if the mixed air temperature drops below 45.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm shall annunciate at the BAS and the outside air damper shall close.

Discharge Air Temperature Control:

In the heating mode, the discharge air temperature setpoint shall be reset upward from the occupied heating setpoint toward maximum limit (95.0 deg. F, adj.), attempting to keep the space temperature 0.5 deg. F above the heating setpoint. If the supply fan begins to modulate upward from the minimum speed to maintain the occupied heating setpoint minus 0.5 deg. F, the discharge air setpoint reset shall be bypassed and the discharge air setpoint shall be set to maximum (95.0 deg. F, adj.). As the zone heating load continues to increase the supply fan VFD shall increase fan speed to maintain the space temperature at heating setpoint, while the heating capacity shall be staged to maintain the discharge air temperature at this maximum limit (95.0 deg. F, adj.). As the zone heating load continues to increase the supply fan VFD shall increase fan speed to maintain the space temperature at heating setpoint, while the heating capacity shall be staged to maintain the discharge air temperature at this maximum limit (95.0 deg. F, adj.). The minimum fan speed shall be incremented upward based on number of stages installed and number of stages operating to maintain enough airflow for the heat exchanger or strip heat. The BAS shall override the reset function to the minimum discharge air temperature setpoint when:

- Outdoor dew point is higher than 60.0 deg. F (adj.)

If the discharge air temperature rises above the maximum limit, a high temperature alarm shall annunciate to the BAS. If the discharge air temperature drops below the minimum limit, a low temperature alarm shall annunciate to the BAS.

DX LEV Control:

The field installed Mitsubishi LEV kit shall modulate to maintain space temperature setpoint. The unit controller shall send a permissive signal to enable LEV kit operation, and a temperature setpoint voltage signal. The permissive signal shall act as a safety point to disable LEV kit in case a supply fan failure or an unplanned stop. The LEV kit shall send to the unit controller error status to be monitored. If an error status is triggered, the unit shall be disabled, and an alarm shall be sent to the BAS. The multiple LEVs shall have different LEV Commanded Set Points and the air handler unit controller shall use the LEV Capacity status to prevent multiple stages operating simultaneously at partial cooling or heating capacity. When the LEV DX heat pump heat is active, heating shall be disallowed unless LEV DX heat pump is at 100% capacity and the space temperature is below setpoint.

Economizer Mode:

The outside air (OA) enthalpy shall be compared with Return air (RA) enthalpy point. The economizer shall enable when OA enthalpy is less than RA enthalpy - 2.0 BTU/LB. The economizer shall disable when OA enthalpy is greater than RA enthalpy.

When economizing is enabled and the unit is operating in the cooling mode, the economizer damper shall be modulated between its minimum position and 100% open to maintain the space temperature setpoint. The economizer damper shall modulate toward minimum position in the event the mixed air temperature falls below the low temperature limit setting.

Filter Status:

A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall annunciate at the BAS.

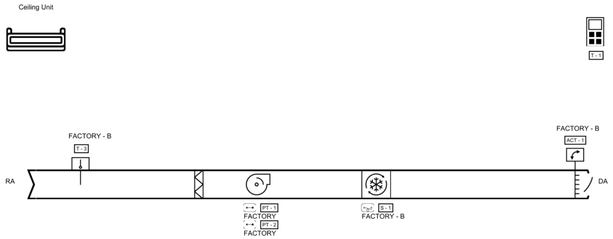
Smoke Detector Shutdown:

The unit shall shut down in response to a signal from the smoke detector indicating the presence of smoke. The smoke detector shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit.

Point Name	POINTS																ALARMS											
	ANALOG	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	ANALOG VALUE (AV)	BINARY VALUE (BV)	MULTISTATE VALUE (MV)	CALENDAR (HDW)	SCHEDULE (HDW)	TREND LOG	TREND LOG MULTIPLE	NOTIFICATION CLASS	ACCUMULATOR	LOOP	PROGRAM	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	MULTISTATE	COMMUNICATION FAIL	SENSOR FAIL	CONFIGURATION FAIL
COMPRESSOR 1 SPEED COMMAND OAH	X			X																				
COOLING COIL LEAVING TEMPERATURE SA LAT	X	X																						
DISCHARGE AIR TEMPERATURE SAT	X	X															X	X						
DISCHARGE AIR STATIC PRESSURE SA SP	X	X															X	X						
FINAL FILTER STATUS	X	X																						
FILTER STATUS	X	X																						
HEAT ENABLE SF ENA	X				X																			
HEATING OUTPUT COMMAND SCO	X			X																				
HIGH STATIC ALARM SF ALM	X	X																					X	X
HIGH STATIC ALARM INTERLOCK SF INTLK	X																							
MIXED AIR DAMPER COMMAND MAD	X			X																				
MIXED AIR TEMPERATURE LOCAL MAT	X	X																						
OUTDOOR AIR DAMPER COMMAND OAD	X			X																				
OUTDOOR AIR FLOW OA FLW	X	X																						
OUTDOOR AIR RELATIVE HUMIDITY LOCAL OAH	X	X																						
OUTDOOR AIR TEMPERATURE LOCAL OAT	X	X																						
REHEAT LEAVING COIL TEMPERATURE LOCAL RH LAT	X	X																	X					X
RETURN AIR DAMPER COMMAND RAD	X			X																				
RETURN AIR TEMPERATURE LOCAL RAT	X	X																						
RETURN SMOKE DETECTOR INPUT RA SD			X																					
SPACE HUMIDITY LOCAL SPH	X	X																						
SPACE TEMPERATURE LOCAL SPT	X	X																						X
SPACE TEMPERATURE SETPOINT LOCAL SPT SP	X	X																						
SUPPLY FAN AIR FLOW LOCAL SF FLW	X	X																						
SUPPLY FAN SPEED COMMAND SF	X			X																				
SUPPLY FAN START STOP COMMAND SAF	X				X																			
SUPPLY FAN STATUS SAF	X		X																					
SUPPLY SMOKE DETECTOR INPUT SA SD			X																					
VAV COMMUNICATION STATE VAS COM																					X			
DISCHARGE AIR COOLING SETPOINT SA CL SP						X																		
DISCHARGE AIR HEATING SETPOINT SA HT SP						X																		
MAINTENANCE REQUIRED MAT REQ							X																	
ZONE AIR TEMPERATURE LOW LIMIT SETPOINT ZN LIT STPT						X																		
OCCUPIED HEATING SETPOINT OCC HTG STPT	X					X																		
SUPPLY FAN FAILURE SF FAIL	X						X																	
UNOCCUPIED HEATING SETPOINT UNOCC HTG STPT	X					X																		
LEV STAGE 1 COMMAND LEV1 CMD	X				X																			
LEV STAGE 1 START STOP LEV1 SSP	X				X																			
LEV STAGE 1 ERROR STATUS LEV1 ERR	X		X																					
LEV STAGE 1 DEFROST STATUS LEV1 DFT	X		X																					
LEV STAGE 2 COMMAND LEV2 CMD	X				X																			
LEV STAGE 2 START STOP LEV2 ENA	X				X																			
LEV STAGE 2 ERROR STATUS LEV2 ERR	X		X																					
LEV STAGE 2 DEFROST STATUS LEV2 DFT	X		X																					

2 AH-1 & AH-2 CONTROL DIAGRAM

NOT TO SCALE:



CEILING CONCEALED DUCTED VRF SYSTEM FCU TEMPERATURE SENSOR / THERMOSTAT WITH ADJUSTABLE SET POINT FOR HEATING AND COOLING SHALL BE PROVIDED.

VRF SYSTEM'S MANUFACTURER'S DDC CONTROL SYSTEM SHALL CONTROL OPERATION OF CONDENSING UNITS, REFRIGERANT BRANCH SELECTORS AND ZONE LEVEL FCU'S IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS. SYSTEM SHALL BE CONTROLLED TO PROVIDE COOLING AND HEATING SIMULTANEOUSLY TO DIFFERENT ZONES WHERE HEATING OR COOLING IS REQUIRED. VRF CONTROL SYSTEM SHALL ISSUE ALARM STATUS TO BAS.

ALL VARIABLE REFRIGERANT FLOW (VRF) UNITS OPERATE AS INDEPENDENT SUB-SYSTEMS IN RESPONSE TO THEIR RESPECTIVE ZONE THERMOSTAT AND CONTROLLER. UNIT CONTROL SYSTEM SHALL CONTROL REFRIGERANT FLOW / CYCLE AND FAN SPEED IN RESPONSE TO SATISFY SPACE TEMPERATURE SET POINT (HEATING AND COOLING SET POINTS).

THE VARIABLE REFRIGERANT FLOW UNIT FANS SHALL RUN CONTINUOUSLY. VRF SYSTEM MANUFACTURER'S CONTROL SHALL CYCLE CORRESPONDING COMPRESSORS ON/OFF AND CYCLE CORRESPONDING BRANCH SELECTOR VALVES OPEN/CLOSE TO SATISFY THE ZONE THERMOSTAT (HEATING AND COOLING SET POINTS).

UPON ACTIVATION OF A CONDENSATE OVERFLOW ALARM, THE FAN COIL UNIT SHALL SHUT DOWN AND ALARM SHALL BE SENT TO THE DDC SYSTEM. FCU WILL RESTART UPON DETECTION THAT OVERFLOW ALARM STATE IS NO LONGER OCCURING

3 FAN COIL UNIT CONTROL DIAGRAM

NOT TO SCALE:

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — No. 10761 — FALLON A LEE — 10/2/2026

CERTIFICATE OF AUTHORIZATION — INSIGHT ENGINEERING, PLLC — No. 3523 — ARKANSAS

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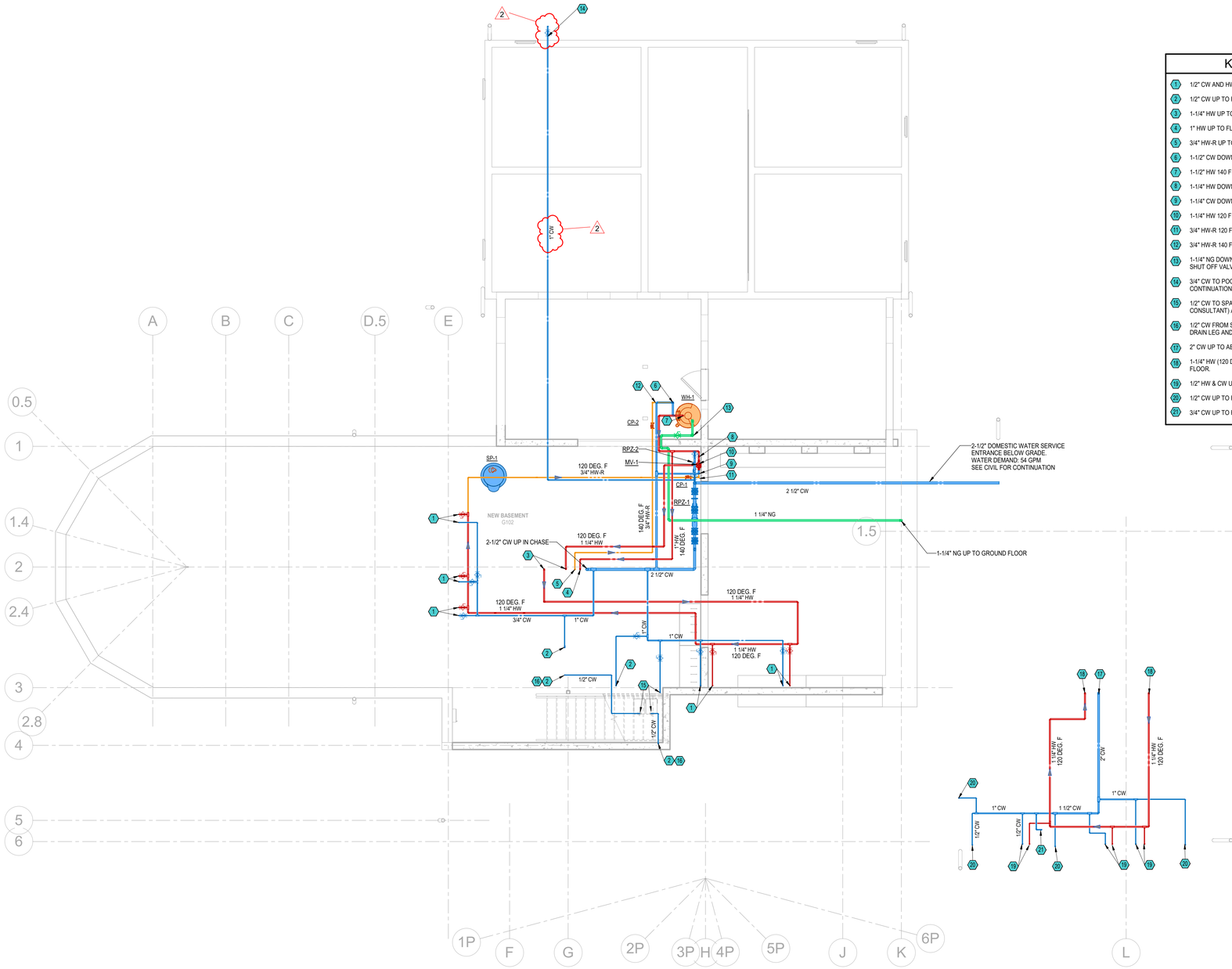
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SHEET TITLE

CONTROLS - HVAC

SHEET NUMBER

M501



KEYED NOTES

1. 1/2" CW AND HW UP TO FLOOR ABOVE.
2. 1/2" CW UP TO FLOOR ABOVE.
3. 1-1/4" HW UP TO FLOOR ABOVE.
4. 1" HW UP TO FLOOR ABOVE.
5. 3/4" HW-R UP TO FLOOR ABOVE.
6. 1-1/2" CW DOWN TO WATER HEATER.
7. 1-1/2" HW 140 F DEGREES UP FROM WATER HEATER.
8. 1-1/4" HW DOWN TO MIXING VALVE.
9. 1-1/4" CW DOWN TO MIXING VALVE.
10. 1-1/4" HW 120 F DEGREES UP FROM MIXING VALVE.
11. 3/4" HW-R 120 F DEGREES DOWN TO MIXING VALVE.
12. 3/4" HW-R 140 F DEGREES.
13. 1-1/4" NG DOWN TO WATER HEATER. PROVIDE DIRT LEG AND SHUT OFF VALVE.
14. 3/4" CW TO POOL. REFER TO POOL DRAWINGS FOR CONTINUATION.
15. 1/2" CW TO SPARKLING WATER COOLING UNIT (BY KITCHEN CONSULTANT) AND FINAL CONNECT AS REQUIRED.
16. 1/2" CW FROM SPARKLING WATER TO DISPENSER. PROVIDE A DRAIN LEG AND VALVE (N.C.) FOR CLEANING.
17. 2" CW UP TO ABOVE CEILING ON GROUND LEVEL.
18. 1-1/4" HW (120 DEG. F) UP TO ABOVE CEILING ON GROUND FLOOR.
19. 1/2" HW & CW UP TO FIXTURE.
20. 1/2" CW UP TO FIXTURE.
21. 3/4" CW UP TO FIXTURE.

1 BASEMENT FLOOR PLAN - DOMESTIC WATER

3/16" = 1'-0"

N

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19764
FALLON A LEE
10/2/2026

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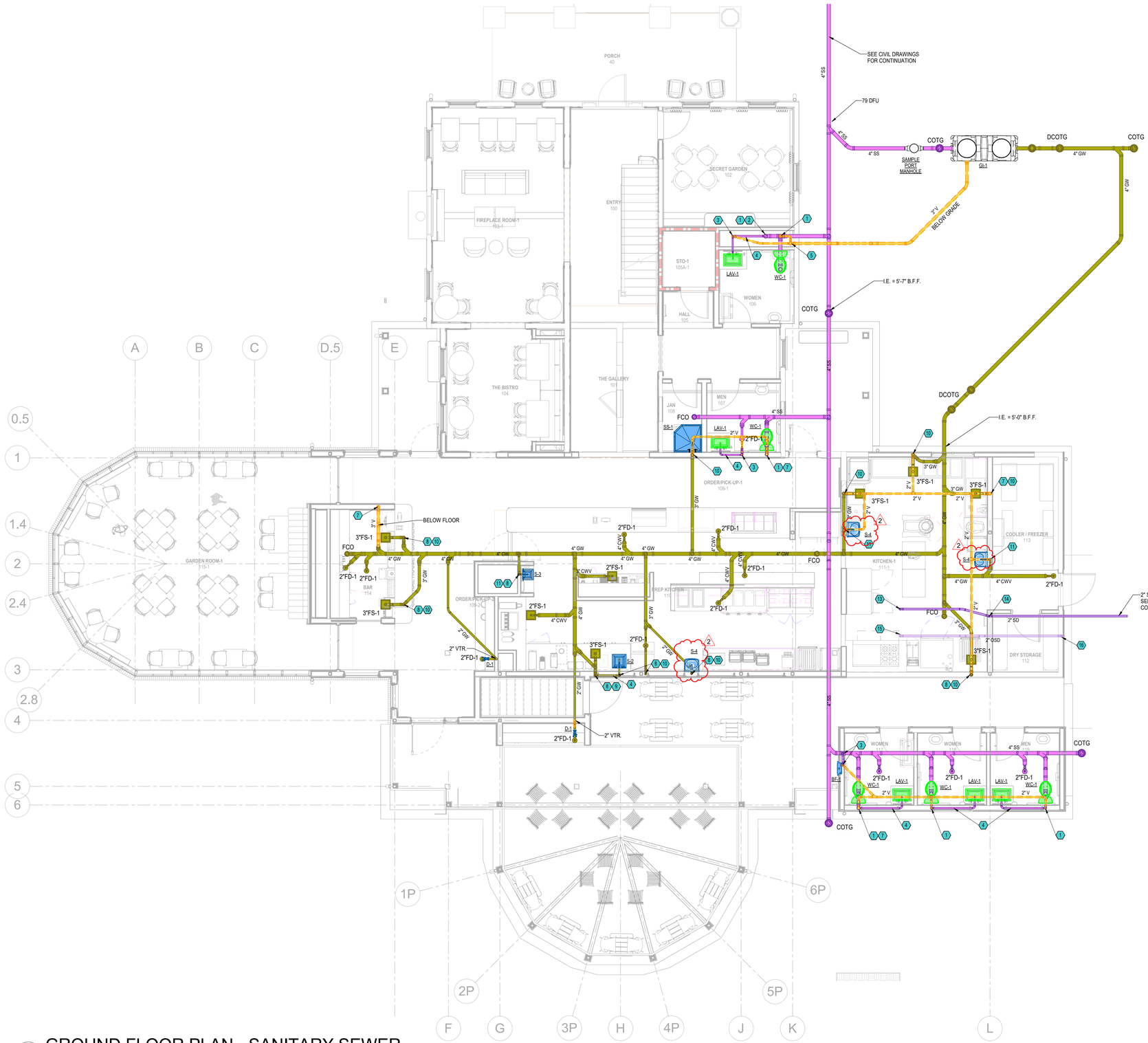
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SHEET TITLE

BASEMENT FLOOR PLAN - DOMESTIC WATER

SHEET NUMBER

P202



KEYED NOTES

1. 4" SS DOWN TO BELOW FLOOR.
2. 4" SS UP TO ABOVE CEILING.
3. 2" SS DOWN TO BELOW FLOOR.
4. SS ABOVE FLOOR.
5. 3" V UP TO FLOOR ABOVE.
6. 3" V UP IN WALL TO ABOVE CEILING.
7. 3" VTR.
8. PROVIDE AIR ADMITTANCE VALVE.
9. 4" GW DOWN TO BELOW FLOOR.
10. 3" GW DOWN TO BELOW FLOOR.
11. 2" GW DOWN TO BELOW FLOOR.
12. GW ABOVE FLOOR.
13. 2" SD UP TO ROOF DRAIN ABOVE.
14. 2" SD DOWN TO BELOW FLOOR.
15. 2" OSD UP TO OVERFLOW ROOF DRAIN.
16. 2" OSD DOWN TO DN-1.

1 GROUND FLOOR PLAN - SANITARY SEWER
3/16" = 1'-0"

N

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 19764 KAILLON A LEE 10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION No. 3523 ARKANSAS

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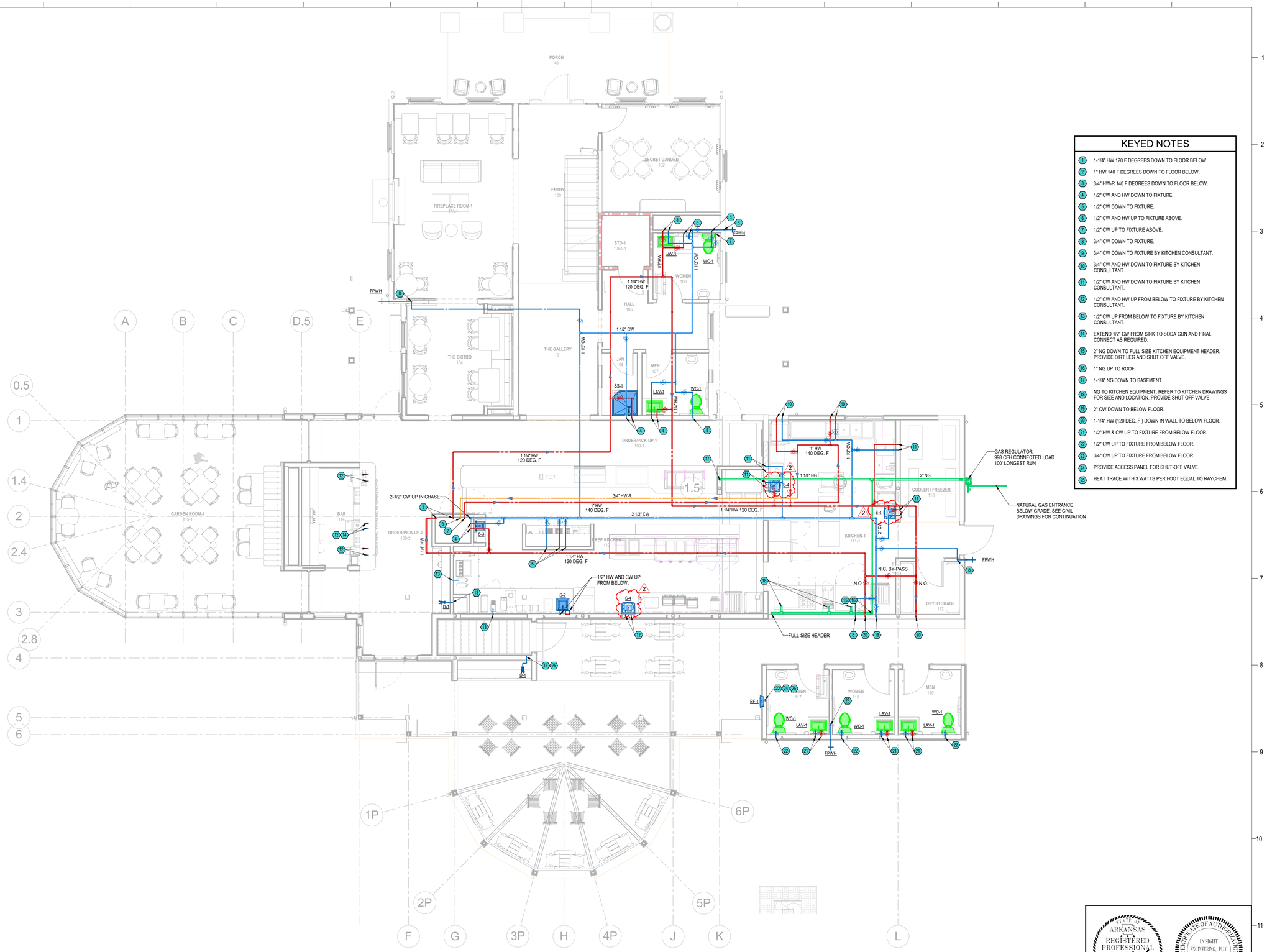
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SHEET TITLE

GROUND FLOOR PLAN - SANITARY SEWER

SHEET NUMBER

P203



KEYED NOTES

1. 1-1/4" HW 120 F DEGREES DOWN TO FLOOR BELOW.
2. 1" HW 140 F DEGREES DOWN TO FLOOR BELOW.
3. 3/4" HW-R 140 F DEGREES DOWN TO FLOOR BELOW.
4. 1/2" CW AND HW DOWN TO FIXTURE.
5. 1/2" CW DOWN TO FIXTURE.
6. 1/2" CW AND HW UP TO FIXTURE ABOVE.
7. 1/2" CW UP TO FIXTURE ABOVE.
8. 3/4" CW DOWN TO FIXTURE.
9. 3/4" CW DOWN TO FIXTURE BY KITCHEN CONSULTANT.
10. 3/4" CW AND HW DOWN TO FIXTURE BY KITCHEN CONSULTANT.
11. 1/2" CW AND HW DOWN TO FIXTURE BY KITCHEN CONSULTANT.
12. 1/2" CW AND HW UP FROM BELOW TO FIXTURE BY KITCHEN CONSULTANT.
13. 1/2" CW UP FROM BELOW TO FIXTURE BY KITCHEN CONSULTANT.
14. EXTEND 1/2" CW FROM SINK TO SODA GUN AND FINAL CONNECT AS REQUIRED.
15. 2" NG DOWN TO FULL SIZE KITCHEN EQUIPMENT HEADER. PROVIDE DIRT LEG AND SHUT OFF VALVE.
16. 1" NG UP TO ROOF.
17. 1-1/4" NG DOWN TO BASEMENT.
18. NG TO KITCHEN EQUIPMENT. REFER TO KITCHEN DRAWINGS FOR SIZE AND LOCATION. PROVIDE SHUT OFF VALVE.
19. 2" CW DOWN TO BELOW FLOOR.
20. 1-1/4" HW (120 DEG. F) DOWN IN WALL TO BELOW FLOOR.
21. 1/2" HW & CW UP TO FIXTURE FROM BELOW FLOOR.
22. 1/2" CW UP TO FIXTURE FROM BELOW FLOOR.
23. 3/4" CW UP TO FIXTURE FROM BELOW FLOOR.
24. PROVIDE ACCESS PANEL FOR SHUT-OFF VALVE.
25. HEAT TRACE WITH 3 WATTS PER FOOT EQUAL TO RAYCHEM.

1 GROUND FLOOR PLAN - DOMESTIC WATER

3/16" = 1'-0"

Dirtworks
561 SEVENTH AVENUE FLOOR 11
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PLYMOUTH MEETING PA 19462
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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
FINAL CD's		10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — No. 19764 — FALLON A LEE — 10/2/2026

INSIGHT ENGINEERING, PLLC — CERTIFICATE OF AUTHORIZATION — No. 3523 — ARKANSAS

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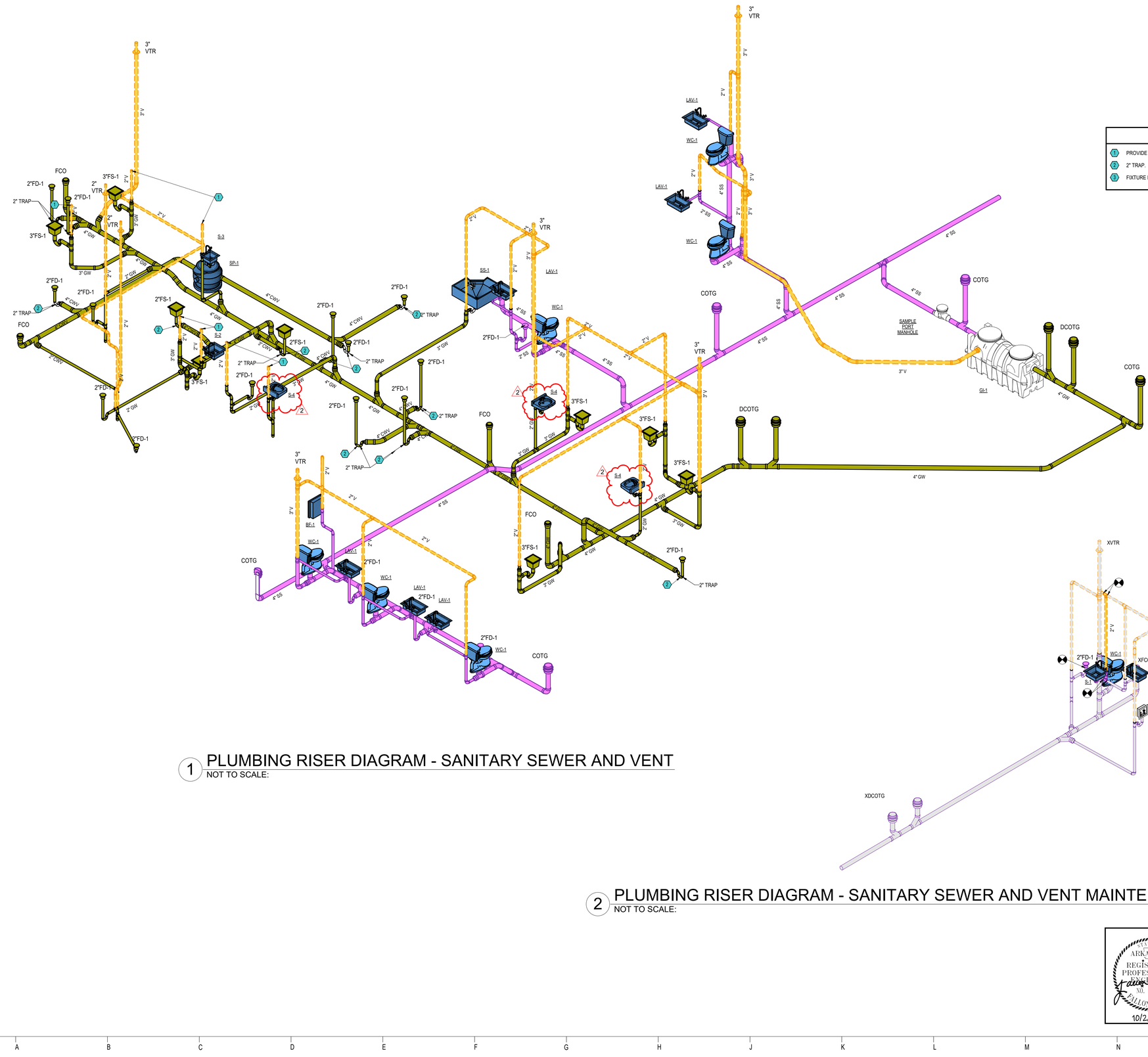
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SHEET TITLE

GROUND FLOOR PLAN - DOMESTIC WATER

SHEET NUMBER

P204



1 PLUMBING RISER DIAGRAM - SANITARY SEWER AND VENT
NOT TO SCALE:

2 PLUMBING RISER DIAGRAM - SANITARY SEWER AND VENT MAINTENANCE BUILDING
NOT TO SCALE:

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 19761 FALLON A LEE 10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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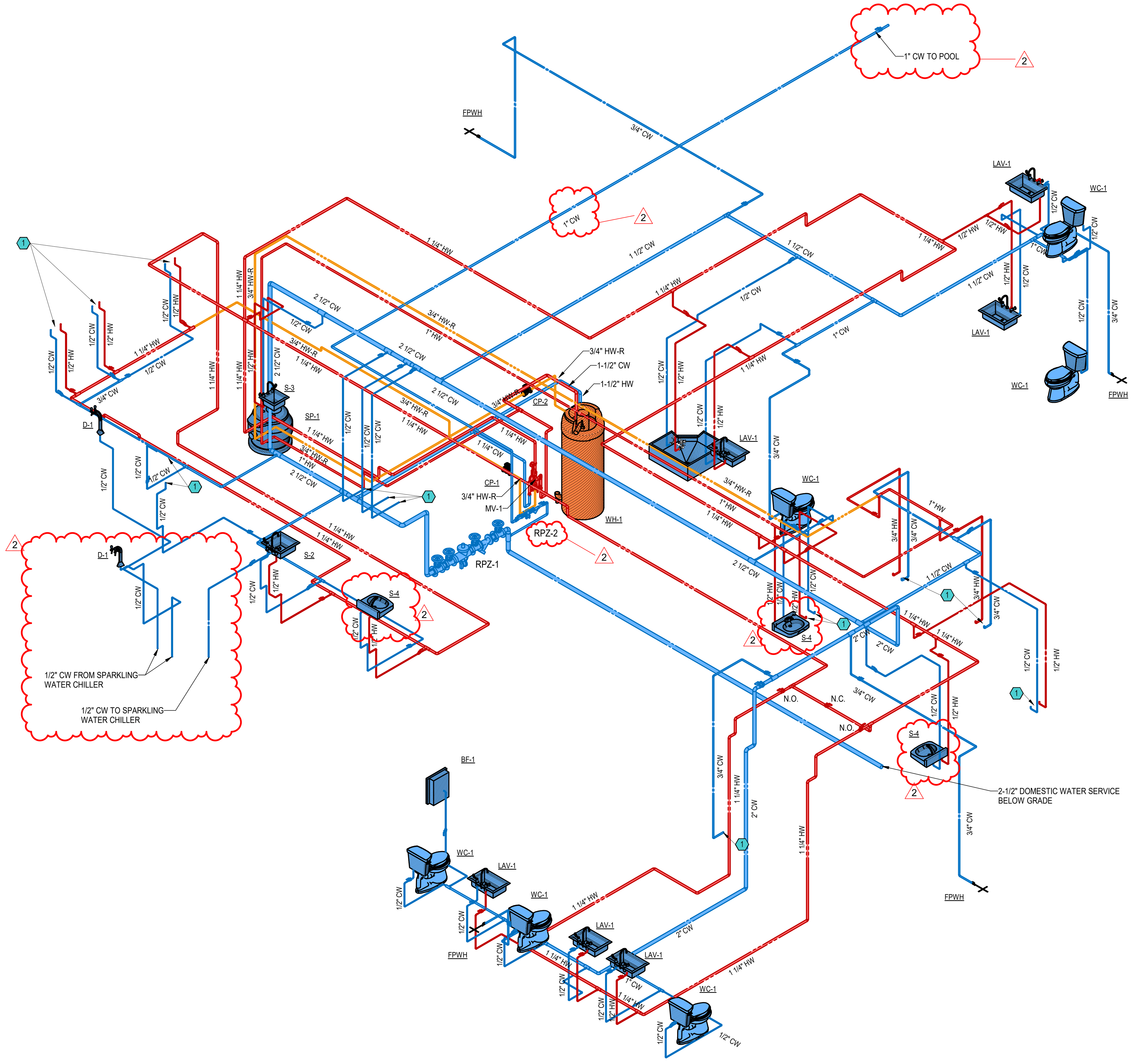
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SHEET TITLE

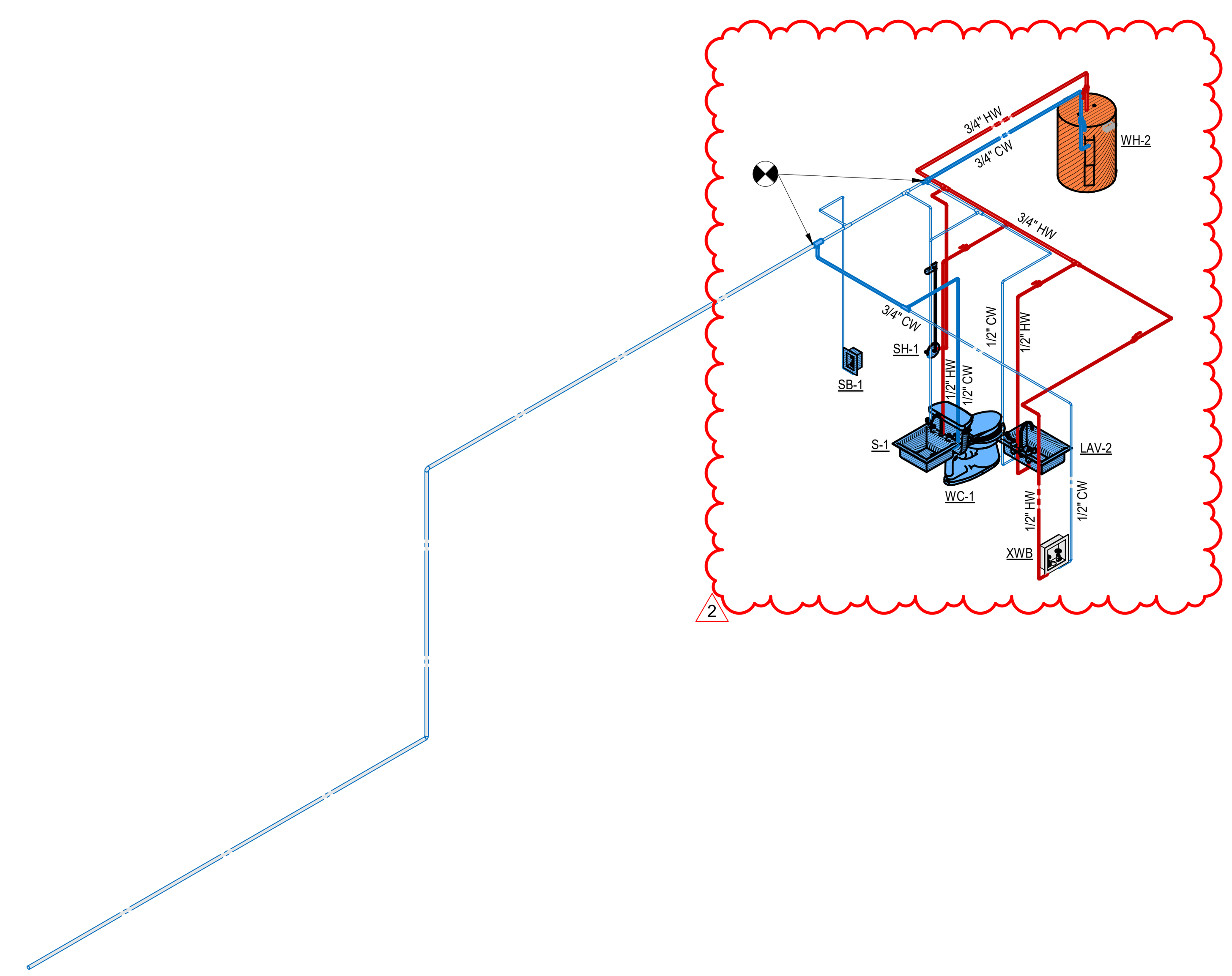
RISER DIAGRAMS - PLUMBING

SHEET NUMBER

P301



1 PLUMBING RISER DIAGRAM - DOMESTIC WATER
NOT TO SCALE:



2 PLUMBING RISER DIAGRAM - DOMESTIC WATER MAINTENANCE BUILDING
NOT TO SCALE:

KEYED NOTES
1 FIXTURE PROVIDED BY KITCHEN CONSULTANT.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 19764 FALLON A LEE
10/2/2026

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SHEET TITLE

RISER DIAGRAMS - PLUMBING

SHEET NUMBER

P302

PLUMBING FIXTURE SCHEDULE

DESIGNATION	FIXTURE TYPE	BASIS OF DESIGN		PIPE CONNECTION SIZE				TRAP	DESCRIPTION
		MANUFACTURER AND MODEL	ACCESSORIES	COLD	HOT	WASTE	VENT		
WC-1	TANK WATER CLOSET ADA	KHOLER K-3519, CALIFORNIA TRADITIONAL UNIVERSAL FIT TANK LEVER 9409-30-PN	K-4670-SA-0, OPEN FRONTLESS COVER SEAT; ZURN Z8802-XL-Q-PC QUARTER TURN STOP	3/4"	-	4"	2"	INTEGRAL	1.0 GPF, ADA FLOOR MOUNT, TRIP LEVEL TO BE INSTALLED ON APPROACH SIDE TO MEET ADA, TANK TYPE, WHITE VITREOUS CHINA, CHROME STOP, OPEN FRONT SEAT
LAV-1	LAVATORY ADA	AMERICAN STANDARDS 0618.000, WATERWORKS HIGHGATE HGLS30	ZURN Z78700-PC TRAP, ZURN Z8743-PC SOLID STRAINER, ZURN Z8804-XL-LR-PC STOPS, LEONARD MIXING VALVE 170-LF	1/2"	1/2"	2"	2"	1-1/4"	UNDERMOUNT LAVATORY ADA COMPLIANT, 21-1/16"x14"x6-1/4"H BOWL SIZE, WHITE VITREOUS CHINA, UNGLAZED RIM, GRID STRAINER, CHROME-PLATED SUPPLY STOPS AND TRAP, GOOSENECK, NICKEL FINISH, WIDESPREAD FAUCET, 1.2 GPM, BELOW DECK THERMOSTATIC MIXING VALVE
LAV-2	LAVATORY	AMERICAN STANDARDS 0618.000, T&S BP-2704-BN	ZURN Z78700-PC TRAP, ZURN Z8743-PC SOLID STRAINER, ZURN Z8804-XL-LR-PC STOPS, LEONARD MIXING VALVE 170-LF	1/2"	1/2"	2"	2"	1-1/4"	UNDERMOUNT LAVATORY ADA COMPLIANT, 21-1/16"x14"x6-1/4"H BOWL SIZE, WHITE VITREOUS CHINA, UNGLAZED RIM, GRID STRAINER, CHROME-PLATED SUPPLY STOPS AND TRAP, FAUCET - BRUSHED NICKEL, SINGLE HOLE, SINGLE LEVER, CERAMIC CARTRIDGE, 0.5 GPM, BELOW DECK THERMOSTATIC MIXING VALVE
BF-1	BOTTLE FILLER	ELKAY EBWDCM0SSC-BD	Z8702-PC ZURN P-TRAP, Z8804-XL-LR-PC ZURN STOPS AND SUPPLYS	1/2"	-	2"	2"	1-1/4"	BOTTLE FILLING STATION, LEAD FREE, BOTTLE FILLING UNIT SHALL INCLUDE MECHANICAL PUSH-BUTTON ACTIVATION, BOTTLE FILLER SHALL PROVIDE LAMINAR FLOW, STAINLESS STEEL CABINET, INTEGRAL DRAIN, UNIT SHALL MEET ADA GUIDELINES
D-1	DISPENSER	ELKAY DSC2K	Z8804-XL-LR-PC ZURN STOPS AND SUPPLYS	3/8"	-	-	-	-	COLUMN TAP WATER DISPENSER, POLISHED CHROME PLATED BRASS BODY, STAINLESS STEEL WATER PATH . DRIP TRAY ,
S-1	SINK	JUST USADA1818A55-I, CHICAGO FAUCET 434-ABBN	MCGUIRE 151 BASKET STRAINER, DEARBORN BRASS P9704 TRAP, BRASSCRAFT G2CR19 SUPPLY STOP, BRASSCRAFT 649 5/8" ESCUTCHEON	1/2"	1/2"	2"	2"	1-1/2"	SINK - 18.5"x18.5"x5.375"D, UNDERMOUNTSINGLE BOWL, 18 GAUGE, TYPE 304 STAINLESS STEEL, FAUCET - SINGLE HANDLE BAR SINK WITH PULL-DOWN SPOUT
S-2	SINK	ADVANCE TABCO SMART FABRICATION DI-1-25, ADVANCE TABCO SMART FABRICATION K-52	MCGUIRE 151 BASKET STRAINER, DEARBORN BRASS P9704 TRAP, BRASSCRAFT G2CR19 SUPPLY STOP, BRASSCRAFT 649 5/8" ESCUTCHEON	1/2"	1/2"	2"	2"	1-1/2"	DROP-IN BAR HAND SINK, 12"W X 14"D OVERALL, 9"W X 9"D FRONT-TO-BACK X 5" DEEP BOWL, 20 GAUGE, 20/304 STAINLESS STEEL, INCLUDES: K-52 DECK MOUNTED GOOSENECK FAUCET, 1-1/2" BASKET DRAIN, NSF (CUTOUT SIZE 11-1/4"W X 13-1/4"D), FAUCET - HEAVY DUTY, 4" OC, DECK MOUNTED WITH 3-1/2" GOOSENECK, LEAD FREE
S-3	SINK	ADVANCE TABCO SMART FABRICATION 1014b-05, HIGHGATE HGLS30	MCGUIRE 151 BASKET STRAINER, DEARBORN BRASS P9704 TRAP, BRASSCRAFT G2CR19 SUPPLY STOP, BRASSCRAFT 649 5/8" ESCUTCHEON	1/2"	1/2"	2"	2"	1-1/2"	UNDERMOUNT, 1-COMPARTMENT, 14" WIDE X 10" FRONT-TO-BACK X 5" DEEP BOWL, 18 GAUGE, 304 STAINLESS STEEL, WITH DECK MOUNTED GOOSENECK FAUCET, BASKET DRAIN, NSF, FAUCET - HEAVY DUTY, 4" OC, DECK MOUNTED WITH 6" GOOSENECK, LEAD FREE
S-4	HANDWASH SINK	ADVANCE TABCO SMART FABRICATION 7-PS-66	DEARBORN BRASS P9704 TRAP, BRASSCRAFT G2CR19 SUPPLY STOP, BRASSCRAFT 649 5/8" ESCUTCHEON	1/2"	1/2"	2"	2"	1-1/2"	WALL MOUNTED, 1-COMPARTMENT, 14" WIDE X 10" FRONT-TO-BACK X 5" DEEP BOWL, 18 GAUGE, 304 STAINLESS STEEL, WITH SPLASH MOUNTED GOOSENECK FAUCET, BASKET DRAIN, NSF, FAUCET - 4" OC, SPLASH MOUNTED WRIST HANDLES, GOOSENECK, LEAD FREE
SS-1	SERVICE SINK	STERN WILLIAMS SBC-1750, T&S BRASS B-0658	T-35 HOSE AND WALL HOOK, T-40 MOP HANGER, TWO (2) BP BACKSPLASH PANELS	1/2"	1/2"	3"	2"	3"	SERVICE SINK- 36"x36"x10" WITH 6" DROP AT THRESHOLD, FLOOR MOUNTED, PRE-CAST TERRAZO, STAINLESS STEEL CAP, FAUCET - CHROME PLATED LEAD FREE, 6" WRIST BLADE CONTROLS, 3/4" HOSE THREADED OUTLET, COMPRESSION CARTRIDGES WITH SPRING CHECK VALVES, UPPER SUPPORT ROD
SB-1	ICEMAKER BOX	GUY GRAY BIM875	-	1/2"	-	-	-	-	11.62" X 9-1/2"X 3-1/2" 18 GAUGE STEEL ICEMAKER BOX WITH VALVE
SH-1	SHOWER	AQUATIC 136364PC, LEONARD "AQUATROL" #4500, LEONARD #62003-1.5	OATEY #42150, STALL TO BE LEFT RO RIGHT HAND ORIENTED AS REQUIRED	1/2"	1/2"	2"	2"	2"	FOUR PIECE, ALCOVE SHOWER ENCLOSURE, 36"X36" ACRYLX WITH CENTER DRAIN; CONTROLS - 1.5 GPM, BRONZE, BRASS, AND STAINLESS STEEL CONSTRUCTION, COMBINATION ANGLE CHECKSTOPS ON INLETS, SINGLE HANDLE OPERATION, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP SET TO 110°F, COLOR CODED DIAL OFF THROUGH HOT, FACTORY TESTED, CHROME PLATED BRASS CONSTRUCTION, SHOWER HEAD - HANDHELD SHOWER HEAD, NON-POSITIVE SHUT OFF BUTTON, 36" GRAB BAR, ADJUSTABLE SLIDE MECHANISM, DOUBLE CHECK VALVE BACKFLOW PREVENTER

2

PLUMBING SPECIALITIES SCHEDULE

DESIGNATION	FIXTURE	DESCRIPTION	SIZE	COLD	HOT
RPZ-1	REDUCED PRESSURE BACKFLOW PREVENTER	WILKINS 975, ALL BRONZE CONSTRUCTION, REDUCED PRESSURE TYPE, COMPLETE WITH STRAINER, TEST COCKS, FULL PORT WEDGE STYLE GATE VALVES, AND AIR GAP.	2 1/2"	2 1/2"	-
RPZ-2	REDUCED PRESSURE BACKFLOW PREVENTER	WILKINS 975XL, ALL BRONZE CONSTRUCTION, REDUCED PRESSURE TYPE, COMPLETE WITH STRAINER, TEST COCKS, BALL VALVES, AND AIR GAP	1"	1"	-
TMV-1	THERMOSTATIC MIXING VALVE	LEONARD MODEL TM-920B-LF-DT, LARGE THERMOSTATIC WATER MIXING VALVE WITH DURA-TROL SOLID BIMETAL THERMOSTAT, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP, COLOR-CODED DIAL, LOCKING TEMPERATURE REGULATOR, INLET UNION ANGLE STRAINER CHECKSTOPS. FULL PORT BALL VALVE, PRESSURE GAUGE ON MIXED WATER OUTLET PIPING OF LARGE MIXING VALVE. SMALL THERMOSTATIC WATER MIXING VALVE, ADJUSTABLE HIGH TEMPERATURE LIMIT STOP, COLOR-CODED DIAL, INTEGRAL CHECKSTOPS ON INLETS. FULL PORT BALL VALVE ON OUTLET OF SMALL MIXING VALVE. DIAL THERMOMETER AND PRESSURE GAUGE ON MIXED WATER OUTLET OF THE SYSTEM. OUTLET TEST CONNECTION WITH BALL VALVE AND 3/4" HOSE CONNECTION WITH CAP. FULL PORT BALL VALVE MOUNTED DOWNSTREAM OF TEST CONNECTION. INLET PIPING MANIFOLD WITH FULL PORT BALL VALVES AND DIAL THERMOMETERS ON HOT AND COLD SUPPLY INLETS. RETURN PIPING, 3/4", WITH AQUASTAT, CIRCULATOR, DIAL THERMOMETER, BALANCING VALVE, AND CHECK VALVE. SYSTEM MOUNTED ON STRUT, FACTORY PRE-ASSEMBLED AND TESTED.	1 1/4"	1 1/4"	1 1/4"
FPWH	FREEZEPROOF WALL HYDRANT	WOODFORD B-67EP ANTI-SIPHON, NON-FREEZE, 3/4" SIZE, NICKEL BRONZE CASING AND ALL BRONZE INTERIOR PARTS, POLISHED NICKEL BRONZE FACE, INTEGRAL BACKFLOW PREVENTER, UNION ELBOW INLET, WALL CLAMP AND KEY HANDLE.	-	3/4"	-
FPYH	FREEZEPROOF YARD HYDRANT	WOODFORD Y34-3, NON-FREEZE, 3/4" SIZE, CAST IRON HEAD AND HANDLE, CAST BRASS VALVE BODY, 1/8" DRAIN HOLE, GALVANIZED STEEL OPERATING ROD W/ BRASS STEM.	-	3/4"	-
FD-1	FLOOR DRAIN	JR SMITH 2005-A06NB, 6" POLISHED NICKEL BRONZE STRAINER, PROVENT "TRAP GUARD".	AS NOTED	-	-
FS-1	FLOOR SINK	JR SMITH 3150-12, WHITE A.R.E. INTERIOR, POLISHED NICKEL BRONZE FRAME AND HALF GRATE, ALUMINUM BOTTOM STRAINER, 12" X 12" X 8" DEEP, PROVENT "TRAP GUARD".	AS NOTED	-	-
FCO	FLOOR CLEANOUT	JR SMITH 4033L-U, CAST IRON, GASKETED HUB OUTLET, THREADED ADJUSTABLE HOUSING, BRONZE PLUG, NICKEL BRONZE SCORIATED TOP, VANDAL-PROOF SCREWS.	AS NOTED	-	-
WCO	WALL CLEAN OUT	JR SMITH 4422-U, CAST IRON NO-HUB CLEANOUT FERRULE, BRONZE PLUG, STAINLESS STEEL ROUND ACCESS COVER PLATE, VANDAL-PROOF SCREW.	AS NOTED	-	-
COTG	CLEANOUT TO GRADE	JR SMITH 4233L-U, GASKETED HUB OUTLET, THREADED ADJUSTABLE HOUSING, BRONZE PLUG, DURA-COATED CAST IRON TOP, VANDAL-PROOF SCREWS.	AS NOTED	-	-
DCOTG	DOUBLE CLEAN OUT	(2) JR SMITH 4233L-U, GASKETED HUB OUTLET, THREADED ADJUSTABLE HOUSING, BRONZE PLUG, DURA-COATED CAST IRON TOP VANDAL-PROOF SCREWS, TYLER TWIN CLEANOUT FITTING.	AS NOTED	-	-
RD-1	ROOF DRAIN	JR SMITH 1015-CID-C-R, CAST IRON DOME, UNDERDECK CLAMP, STATIC EXTENSION, RECEIVER.	AS NOTED	-	-
ORD-1	ROOF DRAIN	JR SMITH 1074-CID-C-R, CAST IRON DOME, UNDERDECK CLAMP, STATIC EXTENSION, RECEIVER, 3" INTERNAL WATER DAM.	AS NOTED	-	-
GI-1	GREASE INTERCEPTOR	SCHIER GB-250, HYDROMECHANICAL GREASE INTERCEPTOR, 100 GPM, PROVIDE WITH SAMPLE PORT MANHOLE SV10 AND ANCHOR KIT	AS NOTED	-	-

PLUMBING EQUIPMENT SCHEDULE

DESIGNATION	EQUIPMENT	BASIS OF DESIGN	ELECTRICAL	REMARKS
WH-1	WATER HEATER	AOSMITH: BTH-250	5 A, 120V / 1 PH / 60 HZ	NATURAL GAS WATER HEATER, 100 GALLONS, 250,000 BTU INPUT, 95% EFFICIENT, 344GPH @ 100 DEG F, HELICAL HEAT EXCHANGER, POWER DIRECT VENT, FULLY CONDENSING, 160 PSI WORKING PRESSURE RATING, ANOTDE RODS WITH STAINLESS STEEL CORE, HIGH LIMIT CONTROL, CSA/ASME RATED T&P RELIEF VALVE, UL SEAL OF CERTIFICATION, COMPLETELY FACTORY ASSEMBLED.
WH-2	WATER HEATER	AOSMITH: DEL-30	HARDWIRED, 6KW, 240 VOLT, THREE PHASE	36 GALLON ELECTRIC WATER HEATER - 3/4" CW, 3/4" HW, DRAIN, (2) 4500 W HEATING ELEMENTS - SHALL BE WIRED TO OPERATE SIMULATENEOUSLY, 28 GPH @ 70°F, TANK TYPE, HIGH TEMP ENAMEL TANK LINING, MAGNESIUM ANODE ROD RIGIDLY SUPPORTED, 150 PSI WORKING PRESSURE RATING, COPPER RESISTORED SCREW IN ELEMENTS, HIGH LIMIT CONTROL, CSA/ASME RATED T&P RELIEF VALVE, UL SEAL OF CERTIFICATION, COMPLETELY FACTORY ASSEMBLED. 3 YEAR WARRANTY.
CP-1,2	CIRCULATING PUMP	TACO #009	HARDWIRED 1/8 HP, 1.4 A, 120V / 1 / 60	HOT WATER CIRCULATOR PUMP - 4 GPM @ 27' HD, 7"x4-1/8"x6-3/8", CAST IRON CASING, ALUMINUM STATOR HOUSING, STAINLESS STEEL CARTRIDGE, NON-METALLIC IMPELLER, CERAMIC SHAFT, CARBON BEARINGS, EPDM O-RINGS/GASKETS, SELF LUBRICATING, DIRECT DRIVE, REPLACEABLE CARTRIDGE DESIGN, NO MECHANICAL SEAL
ET-1	EXPANSION TANK	AMTROL MODEL ST-5-C	NONE	ASME THERMAL EXPANSION TANK, 2.1 GALLON CAPACITY, MAXIMUM WORKING PRESSURE 150 PSI, STAINLESS STEEL WATER CONNECTION, FIELD PAINT DOMESTIC WATER BLUE AND LABEL POTABLE WATER.
SP-1	SUMP PUMP	LIBERTY FL150	15 A, 208V / 1 PH	1-1/2 HP, PROVIDE WITH SXH24=3 CONTROLS IN NEMA 4X ENCLOSURE

WATER HAMMER ARRESTOR SCHEDULE

P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
P.D.I.-WH201".						
APPROVED MANUFACTURERS:						
1. ZURN, WADE, J.R. SMITH, JOSAM, MIFAB						

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 19764 FALLON A. LEE
10/2/2026

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KEY PLAN

SIGN & SEAL

DRAWN BY

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SHEET TITLE

SCHEDULES - PLUMBING

SHEET NUMBER

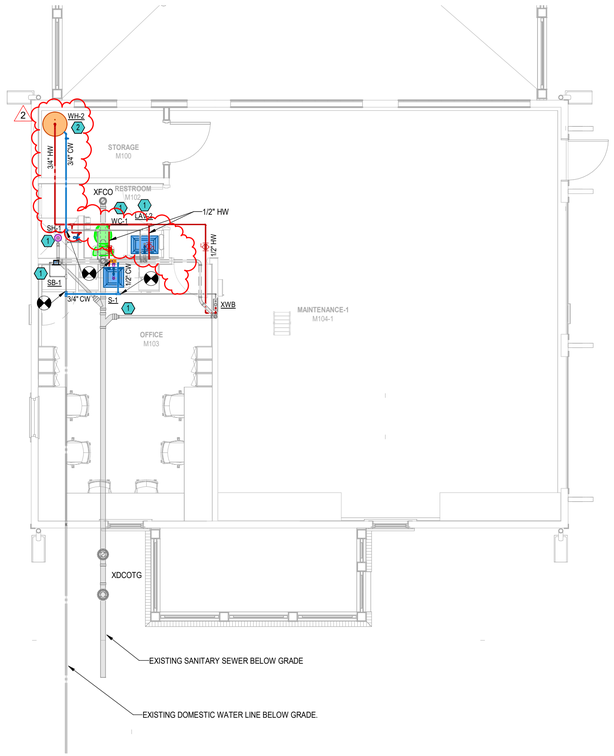
P501

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK.

KEYED NOTES

1. NEW FIXTURE. USE EXISTING ROUGH-IN AND FINAL CONNECT AS REQUIRED.
2. NEW WATER HEATER LOCATED, MOUNTED ON WALL. EXTEND DRAIN FROM EMERGENCY DRAIN PAN TO CONSPICUOUS LOCATION.



1 MAINTENANCE BUILDING PLAN - PLUMBING
3/16" = 1'-0"

N

STATE OF ARKANSAS
REGISTERED PROFESSIONAL
NO. 19764
FALLON A LEE
10/2/2026

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FOOD SERVICE CONSULTANT
MCKAY-LANE CONSULTING, LTD
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(479) 629 4572

ACOUSTICAL ENGINEERS
ACENTECH
620 W. GERMANTOWN PIKE, STE. 210
PLYMOUTH MEETING PA 19462
(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026

No.	Issue	Date
1	Addendum 1	10/16/26
2	Addendum 4	10/23/26

KEY PLAN

SIGN & SEAL

DRAWN BY

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SHEET TITLE

MAINTENANCE BUILDING PLAN - PLUMBING

SHEET NUMBER

P802