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

ADDENDUM 1

ADDENDUM NO. 1

TO: PROJECT MANUAL AND DRAWINGS

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

October 16, 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: ~~**November 3, 2026**~~ **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 MEPF Addendum

B. PROJECT MANUAL:

1. Refer to 00 0110 TABLE OF CONTENTS
REPLACE: With the attached

2. Refer to PROGRESS PAYMENT LIEN RELEASE
ADD: With the attached

3. Refer to 01 3340 DELEGATED DESIGN DEFERRED SUBMITTAL
ADD: Entire Section attached.

4. Refer to 07 2401 DIRECT APPLIED FINISH SYSTEMS
ADD: Entire Section attached.

5. Refer to 07 2500 WEATHER BARRIERS
REPLACE: With the attached

6. Refer to 07 5600 FLUID APPLIED ROOFING
REPLACE: With the attached

7. Refer to 09 6423 WOOD PARQUET FLOORING
REPLACE: With the attached

8. Refer to 09 6429 WOOD STRIP AND PLANK FLOORING
REPLACE: With the attached

9. Refer to 09 9113 EXTERIOR PAINTING
REPLACE: With the attached

10. Refer to 4300 EMERGENCY AID SPECIALTIES
ADD: Entire Section attached.

11. Refer to 4400 FIRE PROTECTION SPECIALTIES
    REPLACE: Entire Section attached.

B. DRAWINGS:

CIVIL

1. Refer to Sheet C003 DEMO PLAN
   REPLACE: Entire Sheet with Attached

2. Refer to Sheet C004 LOT AND BLOCK PLAN
   REPLACE: Entire Sheet with Attached

3. Refer to Sheet C101 OVERALL SITE PLAN
   REPLACE: Entire Sheet with Attached

4. Refer to Sheet C102 SITE PLAN
   REPLACE: Entire Sheet with Attached

5. Refer to Sheet C103 UTILITY PLAN
   REPLACE: Entire Sheet with Attached

6. Refer to Sheet C104 UTILITY PLAN ENLARGED VIEW
   REPLACE: Entire Sheet with Attached

7. Refer to Sheet C105 GRADING PLAN
   REPLACE: Entire Sheet with Attached

8. Refer to Sheet C106 PAVING PLAN
   REPLACE: Entire Sheet with Attached

9. Refer to Sheet C203 SIDEWALK UNDERDRAIN DRAIN
   REPLACE: Entire Sheet with Attached

10. Refer to Sheet C206 STORM SEWER LINE
    REPLACE: Entire Sheet with Attached

11. Refer to Sheet C501 DRAINAGE DETAILS
    REPLACE: Entire Sheet with Attached

ARCHITECTURAL

12. Refer to Sheet G003 LIFE SAFETY ANALYSIS
    REPLACE: Entire Sheet with Attached

13. Refer to Sheet AD100 DEMOLITION PLAN - BASEMENT
    REPLACE: Entire Sheet with Attached

14. Refer to Sheet AD101 DEMOLITION PLAN – FIRST AND SECOND FLOORS
    REPLACE: Entire Sheet with Attached

15. Refer to Sheet A100 BASEMENT FLOOR PLAN
    REPLACE: Entire Sheet with Attached

16. Refer to Sheet A101 FIRST AND SECOND FLOOR PLANS
    REPLACE: Entire Sheet with Attached

17. Refer to Sheet A102 DIMENSION FLOOR PLANS
    REPLACE: Entire Sheet with Attached

18. Refer to Sheet A120 ROOF PLAN
    REPLACE: Entire Sheet with Attached

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

20. Refer to Sheet A200 EXTERIOR ELEVATIONS
    REPLACE: Entire Sheet with Attached

21. Refer to Sheet A201 EXTERIOR ELEVATIONS
    REPLACE: Entire Sheet with Attached

22. Refer to Sheet A301 BUILDING SECTIONS
    REPLACE: Entire Sheet with Attached

23. Refer to Sheet A302 BUILDING SECTIONS
    REPLACE: Entire Sheet with Attached

24. Refer to Sheet A303 BUILDING SECTIONS
    REPLACE: Entire Sheet with Attached

25. Refer to Sheet A310 WALL SECTIONS
    REPLACE: Entire Sheet with Attached

26. Refer to Sheet A311 WALL SECTIONS
    REPLACE: Entire Sheet with Attached

27. Refer to Sheet A312 WALL SECTIONS
    REPLACE: Entire Sheet with Attached

28. Refer to Sheet A315 WALL SECTIONS
    REPLACE: Entire Sheet with Attached

29. Refer to Sheet A400 ENLARGED TOILET PLANS
    REPLACE: Entire Sheet with Attached

30. Refer to Sheet A407 INTERIOR ELEVATIONS
    REPLACE: Entire Sheet with Attached

31. Refer to Sheet A420 BASEMENT STAIR DETAILS
    REPLACE: Entire Sheet with Attached

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

33. Refer to Sheet A502 DUMPSTER ENCLOSURE DETAILS
    REPLACE: Entire Sheet with Attached

34. Refer to Sheet A600 PARTITIOIN SCHEDULE
    REPLACE: Entire Sheet with Attached

35. Refer to Sheet A601 PARTITION FRAMING DETAILS
    REPLACE: Entire Sheet with Attached

36. Refer to Sheet A604 WINDOW SCHEDULE
    REPLACE: Entire Sheet with Attached

37. Refer to Sheet A701 FINISH FLOOR PLAN
    REPLACE: Entire Sheet with Attached

38. Refer to Sheet A810 MAINTENANCE BUILDING EXTERIOR ELEVATIONS
    REPLACE: Entire Sheet with Attached

39. Refer to Sheet A820 BUILDING ENLARGED PLANS & INTERIOR ELEVATIONS
    REPLACE: Entire Sheet with Attached

40. Refer to Sheet A830 MAINTENANCE BUILDING DETAILS
    REPLACE: Entire Sheet with Attached

KITCHEN

41. Refer to Sheet K1 KITCHEN AND BAR EQUIPMENT PLAN
    REPLACE: Entire Sheet with Attached

42. Refer to Sheet K2 KITCHEN AND BAR PLUMBING PLAN
    REPLACE: Entire Sheet with Attached

43. Refer to Sheet K1 KITCHEN AND BAR ELECTRICAL PLAN
    REPLACE: Entire Sheet with Attached

MECHANICAL / ELECTRICAL / PLUMBING / FIRE PROTECTION
Refer to Insight Engineering Addendum #01 Narrative for Sheet Listing

D. ATTACHMENTS:

1. Specifications (42 pages)
2. Drawings (83 sheets)
3. Engineer Addendum (5 pages)

END OF ADDENDUM NO. 1 (134 pages total)

322 S. State Street, Ste 201
Little Rock, AR 72201
501.237.3077

ADDENDUM 01

Project Name: 606 Central House & Garden
Bentonville, AR

Insight Project Number: 25-064
Date: 10/16/26

Drawings:

Mechanical:

1. Refer to Revised Sheet M201 – BASEMENT FLOOR PLAN – MECHANICAL – revision dated 10/16/26:

   A. Revised return ductwork for IDU-2.
   B. Add condensate drain line from BC-1.
   C. Added BAS controller along with keyed note 4.

2. Refer to Revised Sheet M202 – FIRST FLOOR PLAN – MECHANICAL – revision dated 10/16/26:

   A. Revised return grille in Entry 100 and added sidewall return to Secret Garden 102.
   B. Add EF-2 to Jan 108.
   C. Adjusted and added keyed notes.
   D. Added access panel under IDU-5.
   E. Adjusted airflows.

3. Refer to Revised Sheet M203 – SECOND FLOOR PLAN – MECHANICAL – revision dated 10/16/26:

   A. Added remote thermostat locations.
   B. New exhaust duct through roof.
   C. Revised KEF-1 style.
   D. Adjusted keyed notes.

4. Refer to Revised Sheet M302 – DETAILS – HVAC – revision dated 10/16/26:

   A. Replaced detail 1 with Kitchen hood detail.

5. Refer to Revised Sheet M303 – DETAILS – HVAC – revision dated 10/16/26:

A. Added detail 3 HVAC Entry.

6. Refer to Revised Sheet M401 – SCHEDULES – HVAC – revision dated 10/16/26:

   A. Adjusted Condensing unit schedule with new model number and VRF style unit.
   B. Added EF-2 to exhaust fan schedule.

7. Refer to Revised Sheet M402 – SCHEDULES – HVAC – revision dated 10/16/26:

   A. Adjusted Exhaust Fan Schedule to new KEF-1 Model.
   B. Adjusted Air Device schedule.

8. Refer to Revised Sheet M501 – CONTROLS – HVAC – revision dated 10/16/26:

   A. Combined AH-1 and AH-2 controls into one, adjusted the sequence, and added a points diagram.
   B. Renumbered details.

9. Refer to Revised Sheet M802 – MAINTENANCE BUILDING PLAN – MECHANICAL – revision dated 10/16/26:

   A. Revised condensing unit locations and style of unit.
   B. Clarified keyed notes.

10. Refer to Revised Sheet M901 – GREENHOUSE & GARDEN SHED PLAN – MECHNAICAL – revision dated 10/16/26:

    A. Added ceiling mounting bracket to keyed note.

Electrical:

1. Refer to Revised Sheet E001 – GENERAL NOTES AND LEGEND – ELECTRICAL – revision dated 10/16/26:

   A. Updated legend to include a speaker.

2. Refer to Revised Sheet E201 – SITE PLAN - ELECTRICAL – revision dated 10/16/26:

   A. Added electrical connection for neon sign.
   B. Added electrical connection for future gate operation.
   C. Updated utility transformer location based off of civil drawings.

3. Refer to Revised Sheet E302 – BASEMENT FLOOR PLAN – POWER AND SYSTEMS – revision dated 10/16/26:

   A. Added electrical connection for mechanical air compressor.
   B. Moved electrical connection to sparkling water dispenser.
   C. Moved electrical connection for bag in box.

4. Refer to Revised Sheet E303 – FIRST FLOOR PLAN - LIGHTING – revision dated 10/16/26:

    A. Updated prep kitchen lighting.
    B. Updated kitchen lighting.

5. Refer to Revised Sheet E304 – FIRST FLOOR PLAN - POWER – revision dated 10/16/26:

    A. Added electrical connection for heat trace.

6. Refer to Revised Sheet E305 – FIRST FLOOR PLAN - SYSTEMS – revision dated 10/16/26:

    A. Added wireless access point connections.
    B. Added speakers throughout the building.
    C. Added cameras throughout the building.

7. Refer to Revised Sheet E306 – SECOND FLOOR PLAN - LIGHTING – revision dated 10/16/26:

    A. Added light for outdoor HVAC units.

8. Refer to Revised Sheet E307 – SECOND FLOOR PLAN – POWER AND SYSTEMS – revision dated 10/16/26:

    A. Added convenience outlet for outdoor HVAC units.
    B. Added more data drops.

9. Refer to Revised Sheet E401 – DETAILS AND DIAGRAMS - ELECTRICAL – revision dated 10/16/26:

    A. Added maintenance building to receive a data rack with conduits.

10. Refer to Revised Sheet E501 – SCHEDULES - ELECTRICAL – revision dated 10/16/26:

    A. Updated panel schedule.
    B. Updated lighting fixture schedule.

11. Refer to Revised Sheet E502 – SCHEDULES - ELECTRICAL – revision dated 10/16/26:

    A. Updated panel schedules.

12. Refer to Revised Sheet E503 – SCHEDULES - ELECTRICAL – revision dated 10/16/26:

    A. Updated panel schedules.

13. Refer to Revised Sheet E504 – SCHEDULES - ELECTRICAL – revision dated 10/16/26:

    A. Updated panel schedules.

14. Refer to Revised Sheet E803 – MAINTENANCE BUILDING PLAN – POWER AND SYSTEMS – revision dated 10/16/26:

A. Updated electrical connections for mechanical yard.
B. Added data drops.
C. Added electrical connection for irrigation controller.

Plumbing:

1. Refer to Revised Sheet P201 – BASEMENT FLOOR PLAN – SANITARY SEWER – revision dated 10/16/26:

   A. Add keyed notes 9 & 10.
   B. Revise location of floor drain for sparkling water cooler unit under stairs.
   C. Add 2" GW and Vent piping for floor drain on ground level .
   D. Revise location of sanitary main serving three restrooms to accommodate floor drains in restrooms.
   E. Add 2" SS traps and 4"CWV in three restrooms for floor drains.

2. Refer to Revised Sheet P202 – BASEMENT FLOOR PLAN – DOMESTIC WATER – revision dated 10/16/26:

   A. Add keyed notes 15 thru 21.
   B. Revise location of water serving sparkling water cooler unit under stairs.
   C. Revise routing of cw from sparkling water cooler unit to dispensers on ground floor.
   D. Revise routing of hot and cold water serving the three exterior restrooms to below grade.

3. Refer to Revised Sheet P203 – GROUND FLOOR – SANITARY SEWER – revision dated 10/16/26:

   A. Add 2" GW and Vent piping for floor drain under D-1 on ground level .
   B. Revise location of sanitary main serving three restrooms to accommodate floor drains in restrooms.
   C. Add 2" SS traps and 4"CWV in three restrooms for floor drains.

4. Refer to Revised Sheet P204 – GROUND FLOOR PLAN – DOMESTIC WATER – revision dated 10/16/26:

   A. Add keyed notes 19 thru 25.
   B. Add N.C. valve and bypass to 120 deg. F hot water loop.
   C. Revise routing of hot and cold water serving the three exterior restrooms to below grade.

5. Refer to Revised Sheet P301 – RISER DIAGRAMS - PLUMBING – revision dated 10/16/26:

   A. Add 2" GW and Vent piping for floor drain.
   B. Revise location of sanitary main serving three restrooms to accommodate floor drains in restrooms.
   C. Add 2" SS traps and 4"CWV in three restrooms for floor drains.

6. Refer to Revised Sheet P302 – RISER DIAGRAMS - PLUMBING – revision dated 10/16/26:

   A. Add N.C. valve and bypass to 120 deg. F hot water loop.
   B. Revise routing of hot and cold water serving the three exterior restrooms to below grade.

7. Refer to Revised Sheet P501 – SCHEDULES - PLUMBING – revision dated 10/16/26:

A. Revise D-1 on Plumbing Fixture Schedule.
B. Revise SH-1 on Plumbing Fixture Schedule.
C. Add FPYH (freeze proof yard hydrant) to Plumbing Specialties Schedule.

8. Refer to Revised Sheet P802 – MAINTENANCE BUILDING PLAN - PLUMBING – revision dated 10/16/26:

   A. Add keyed note #2.

9. Refer to Revised Sheet P901 – GREENHOUSE & GARDEN SHED PLAN - PLUMBING – revision dated 10/16/26:

   A. Revise fixture tag.
   B. Revise note.

Fire Protection:

1. Refer to Revised Sheet FP201 – BASEMENT FLOOR PLAN – FIRE PROTECTION – revision dated 10/16/26:

   A. Included additional coverage area.

2. Refer to Revised Sheet FP203 – SECOND FLOOR PLAN – FIRE PROTECTION – revision dated 10/16/26:

   A. Added dry type sprinkler to the attic space.
   B. Added dry pipe legend.

End of Addendum 01

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01 4533	STRUCTURAL TESTS AND SPECIAL INSPECTIONS
01 5000	TEMPORARY FACILITIES AND CONTROLS
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01 6000	PRODUCT REQUIREMENTS
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06 1600 SHEATHING
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END OF SECTION

PROGRESS PAYMENT LIEN RELEASE

Vendor: _____ Project Name: _____

Address: _____ Project Address: _____

City/State: _____

1. The undersigned laborer, mechanic, materialman, contractor and/or subcontractor (the "UNDERSIGNED") entered into an agreement dated _____ with _____(the "GENERAL CONTRACTOR") to furnish labor, services, materials, and/or specially fabricated materials, etc. for the construction, improvement or repair of the above described project.

2. In consideration of $ 0.00 **paid to** and $0.00 **to be paid** to the UNDERSIGNED for work accomplished through xx/xx/xxxx (fill in complete date), receipt of which is hereby acknowledged, the UNDERSIGNED does hereby release, remise, and forever discharge OWNER and the owner of the Project of and from any and all claims, demands, actions, and causes of action that the UNDERSIGNED may have or may ever acquire against either OWNER or the owner of the Project by reason of having furnished labor, services, materials and/or specially fabricated materials, etc. for the construction, improvement or repair of the above described project. This release excludes only the following itemized list of amounts still due and owing the UNDERSIGNED:

Original Contract Amount	$0.00
Contract Adjustments	$0.00
Current Contract Amount	$0.00
Total Paid to Date (Including this Payment)	$0.00
Total Remaining Balance of Contract (Including Retainage)	$0.00

3. The UNDERSIGNED further declares and certifies that all charges for labor, material and/or rentals together with all payroll, income and sales taxes and insurance premiums have been paid in full to all of the UNDERSIGNED's suppliers and employees in connection with work performed.

4. The UNDERSIGNED had caused this waiver and release to be executed by its duly authorized representative voluntarily and with full knowledge of its rights under the laws of the state in which the Project is located as of _XX/XX/XXXX (fill in date).

Name of Firm: _____
By: _____
Printed Name: _____
Title: _____

****

State of: _____
County of: _____
Dated: _____

Before me, the undersigned Notary Public, today personally appeared _____ of _____ and acknowledge that he/she executed the foregoing Lien Release as his/her free act and deed.

Notary Public: _____
My Commission Expires: _____

SECTION 01 3340
DELEGATED DESIGN DEFERRED SUBMITTAL

PART 1 GENERAL V.22

1.01 SECTION INCLUDES

A. This Section establishes requirements for delegated design services required for portions of the Work identified in the Contract Documents as delegated design. The Contractor shall provide qualified design professionals to develop, document, coordinate, and certify design information necessary for fabrication, installation, and performance of the delegated-design Work.

B. Delegated design shall comply with the design intent, performance criteria, dimensions, materials, appearance, and other requirements established by the Contract Documents.

C. Delegated design does not relieve the Contractor of responsibility for construction means, methods, techniques, sequences, procedures, coordination, or compliance with the Contract Documents.

1.02 DEFINITIONS

A. Delegated Design:
   1. Transfer of design responsibility to Contractor for one or more specialty scopes of the work for the construction of a project as indicated in Specifications.
   2. Delegated design requires Contractor to obtain professional engineering services for design when specified in individual Specification Sections.

B. Deferred Approval Items:
   1. Deferred approval items are those portions of the design that are not submitted at the time of the application for permit, and that are to be submitted to Authority Having Jurisdiction within a specified period.
   2. Deferral of any submittal items shall have prior approval of the building official.
   3. Architect will review deferred submittal items prior to Contractor submitting to Authority Having Jurisdiction with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the building.

C. Deferred Submittal Approval Process for Contractor:
   1. Includes preparing documents, shop drawings, certifications, meetings and procedures, including changes due to interpretations by Authority Having Jurisdiction, fees, inspections and testing procedures, and other items as may be required to provide installation and regulatory final approval for this deferred approval Work.
   2. Includes coordination of the deferred approval items, and scheduling sufficient time to complete the process including but not limited to review and approval by the Owner, Architect and their additional designated reviewers, installation by Contractor, inspection and testing by an approved agency, and final approval by Authority Having Jurisdiction.

D. Qualified Professional Engineer: Registered to practice engineering in the State the project is located in for following disciplines:
   1. Structural.
   2. Mechanical.
   3. Fire Protection.
   4. Plumbing.
   5. Electrical.

1.03 DEFERRED SUBMITTAL REQUIREMENTS FOR DELEGATED DESIGN WORK

A. Deferred Submittal Approval Requirements: In connection with the delegated design systems as indicated on Drawings or specified, Contractor shall submit complete list of materials and other required details as required under Section 013300 - Submittals.

1. Detailed drawings, and certifications shall be prepared under the supervision of, and stamped / signed by a professional Structural Engineer registered in that discipline in the State the project is located in.
    a. It shall be Contractor's responsibility, and Contractor's registered professionals, to present submittals, drawings, and certifications to Architect and to Authorities Having Jurisdiction as deferred submittal for approval.
    b. All work shall be engineered according to and comply with performance or design requirements in Specifications and with Building Codes referenced on Drawings.
    c. Architect's comments shall be incorporated in engineered drawings prior to submittal to Authorities Having Jurisdiction.

B. Responsible Control:
1. All shop drawings and related submittals shall be responsibility of Contractor, stamped and signed approved by Contractor and Contractor's design professionals and submitted to Architect for review and acceptance.
2. The Architect and appropriate Consultants will review deferred submittals and material data for consistency with design intent only. Contract Drawings indicate design intent and shall be used as providing minimum required for design, fabrication, function, support and anchorage. Architect's review does not relieve Contractor and Contractor's subcontractors and their design professionals of their responsibilities to meet Contract Document requirements.

1.04 PERFORMANCE REQUIREMENTS

A. Responsibility for Review and Approval Process for Deferred Approval Items:
1. General Contractor is responsible for Authority Having Jurisdiction review and approval of deferred submittal items, including but not limited to engineering, approvals, fees and costs, testing and inspections, installation, review and approval including securing final approvals and turning documentation over to the Owner.
2. Contractor shall review Contract Documents, prepare list of deferred submittals, and incorporate line item for each submittal in construction progress schedule and submittal schedule.

B. Responsibility for Coordination and Scheduling:
1. General Contractor is responsible for scheduling and coordinating deferred submittal approval items including engineering, approvals, testing and inspections, installation and final Authority Having Jurisdiction approvals.
2. Conduct general deferred-approval-process meeting to review deferred approval items, including Contractor's responsibilities and action plan.

C. Responsibility for Completeness of Submittal Data, to be Included with Deferred Submittal Approval Packages:
1. Submittals, including shop drawings, product data, certifications, and other related data, are generally required to be included with deferred submittal approval packages.
2. General contractor shall review and coordinate impact of items identified in deferred submittals list on adjacent building systems, substrates, and substructures where these items are installed.

1.05 SUBMITTALS

A. General:
1. See Section 01 3000 - Administrative Requirements, for submittal procedures.
2. Comply with submittal requirements indicated in individual specifications sections for deferred submittal approval items.
3. Comply with submittal requirements for Authority Having Jurisdiction deferred submittal approval items, including requirements above and beyond requirements for other Contract Document submittals.

PART 2 PRODUCTS:

2.01 DELEGATED DESIGN SECTIONS

A. PREFABRICATED WOOD TRUSSES: Design and install prefabricated wood trusses. Refer to Structural Drawings and coordinate with Section 06 1700 - Prefabricated Wood Trusses.

B. GARDEN ROOM: Design, provide and install a manufacturer-engineered, factory-fabricated aluminum-framed glazed structure. Refer to Drawings and coordinate with Section 13 3413 – Glazed Structures.

C. GREENHOUSE: Design, provide and install a manufacturer-engineered, factory-fabricated greenhouse building. Refer to Drawings A900 series and coordinate with Section 13 3413.13 – Greenhouses.

D. GARDEN SHED: Design, provide and install a manufacturer-engineered, factory-fabricated storage building. Refer to Drawings A900 series and coordinate with Section 13 3423 – Fabricated Structures.

E. BRIDGE AND BOARDWALK FOUNDATION: Design and install bridge and boardwalk foundations. Refer to Structural Drawings and coordinate with Section 31 1040 - Micropiles.

F. BRIDGE: Fabricate and install pedestrian bridge. Coordinate with Section 32 3413 - Fabricated Boardwalk and Bridge.

G. BOARDWALK: Fabricate and install pedestrian boardwalk. Coordinate with Section 32 3413 - Fabricated Boardwalk and Bridge.

H. IRRIGATION LAYOUT: Fabricate and install irrigation system. Coordinate with Section 32 8400 - Planting Irrigation.

I. FOUNTAIN: Design of water garden fountain including all plumbing, electrical, fascia, lighting and capstone. Refer to Section 32 9800 - Fountain.

J. MOSAIC FABRICATION: Fabricate and install custom mosaic art piece per Landscape Architect sketches and drawings. Coordinate with Section 32 9800 - Fountain.

K. LOG PILE, TREE COOKIES, TREE STUMPS, WOOD PERGOLA: Fabricate and Install Log Pile play structure, tree cookie paving and tree stumps. Refer to Landscape Drawings and details, L200 series, L700 series.

L. FIRE SUPPRESION: Design, provide and install fire suppression system for the entire house. Refer to Division 21 Fire Suppression section of the specifications.

PART 3 EXECUTION: NOT USED.

END OF SECTION

SECTION 07 2401
DIRECT APPLIED FINISH SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Direct Applied finish coating applied directly to gypsum sheathing.

1.02 REFERENCE STANDARDS

A. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus; 2009.

B. ASTM C297/C297M - Standard Test Method for Flatwise Tensile Strength of Sandwich Constructions; 2004 (Reapproved 2010).

C. ASTM C1397 - Standard Practice for Application of Class PB Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage; 2009.

D. ASTM D968 - Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive; 2005 (Reapproved 2010).

E. ASTM D2247 - Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity; 2011.

F. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2000 (Reapproved 2005).

G. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2009).

H. ASTM E2486 - Standard Test Method for Impact Resistance of Class PB and PI Exterior Insulation and Finish Systems (EIFS); 2006.

I. ASTM G153 - Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials; 2004 (Reapproved 2010).

J. ASTM G155 - Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Nonmetallic Materials; 2005a.

K. ICC-ES AC219 - Acceptance Criteria for Exterior Insulation and Finish Systems; 2009.

1.03 SUBMITTALS

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

B. Shop Drawings: Indicate soffit joint patterns, joint details, and molding profiles.

C. Product Data: Provide data on system materials, product characteristics, performance criteria, and system limitations.

D. Selection Samples: Submit manufacturer's standard range of samples illustrating available coating colors and textures.

E. Verification Samples: Submit actual samples of selected coating on specified substrate, minimum 12 inches square, illustrating project colors and textures.

F. Manufacturer's Installation Instructions: Indicate preparation required, installation techniques, and jointing requirements.

1.04 QUALITY ASSURANCE

A. Maintain copy of specified installation standard and manufacturer's installation instructions at project site at all times during installation.

B. DAFS Manufacturer Qualifications: Provide all DAFS products other than insulation from the same manufacturer:

C. Insulation Manufacturer Qualifications: Approved by manufacturer of EIFS and approved and labeled under third party quality program as required by applicable building code.

D. Installer Qualifications: Company specializing in DAFS work, with not less than 5 years of documented experience, and approved by the DAFS manufacturer.

1.05 MOCK-UP

A. Construct mock-up of typical DAFS application on specified substrate, size as required to include examples of all key conditions, and including flashings, joints, and edge conditions.

B. Locate mock-up where directed.

C. Mock-up may remain as part of the Work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to project site in manufacturer's original, unopened containers with labels intact. Inspect materials and notify manufacturer of any discrepancies.

B. Storage: Protect adhesives and finish materials from freezing and temperatures in excess of 90 degrees F.
   1. Protect Portland cement based materials from moisture and humidity. Store under cover off the ground in a dry location.
   2. Protect insulation materials from exposure to sunlight.

1.07 FIELD CONDITIONS

A. Do not prepare materials or apply DAFS during inclement weather unless areas of installation are protected. Protect installed DAFS areas from inclement weather until dry.

B. Do not install coatings or sealants when ambient temperature is below 40 degrees F.

C. Do not leave installed insulation board exposed to sunlight for extended periods of time.

1.08 WARRANTY

A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.

B. Provide manufacturer's standard material warranty, covering a period of not less than 5 years

C. Provide separate warranty from installer covering labor for repairs or replacement for a period of not less than 5 years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturers:
   1. Parex USA, Inc.: www.parexusa.com.
   2. BASF Wall Systems (Senergy, Finestone, Acrocrete, SonoWall): www.wallsystems.basf.com.
   3. Sto Corp: www.stocorp.com.
   4. Substitutions: See Section 01 6000 - Product Requirements.

2.02 DIRECT APPLIED FINISH SYSTEM

A. Direct Applied Finish System: reinforced finish coating on gypsum sheathing board direct to substrate; provide a complete system that has been tested to show compliance with the following characteristics; include all components of specified system and substrate in tested samples.

B. Adhesion of Water-Resistive Coating to Substrate: For each combination of coating and substrate, minimum flatwise tensile bond strength of 15 psi, when tested in accordance with ASTM C297/C297M.

C. Water Penetration Resistance: No water penetration beyond the plane of the base coat/insulation board interface after 15 minutes, when tested in accordance with ASTM E331 at 6.24 psf differential pressure with tracer dye in the water spray; include in tested sample at least two vertical joints and one horizontal joint of same type to be used in construction; disassemble sample if necessary to determine extent of water penetration.

D. Salt Spray Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating after 300 hours exposure in accordance with ASTM B117, using at least three samples matching intended assembly, at least 4 by 6 inches in size.

E. Freeze-Thaw Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating when viewed under 5x magnification after 10 cycles, when tested in accordance with ICC-ES AC 219 or 235.

F. Weathering Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating when viewed under 5x magnification after 2000 hours of accelerated weathering conducted in accordance with ASTM G153 Cycle 1 or ASTM G155 Cycle 1, 5, or 9.

G. Water Degradation Resistance: No cracking, checking, crazing, erosion, blistering, peeling, delamination, or corrosion of finish coating after 14 days exposure, when tested in accordance with ASTM D2247.

H. Mildew Resistance: No growth supported on finish coating during 28 day exposure period, when tested in accordance with ASTM D3273.

I. Abrasion Resistance Of Finish: No cracking, checking or loss of film integrity when tested in accordance with ASTM D968 with 500 liters of sand.

J. Impact Resistance: Construct system to provide the following impact resistance without exposure of broken reinforcing mesh, when tested in accordance with ASTM E2486:
   1. Standard: 25 to 49 in-lb, for areas inaccessible to public.

2.03 MATERIALS

A. Finish Coating Top Coat: Water-based, air curing, acrylic or polymer-based finish with integral color and texture.
   1. Texture: As selected from available textures.
   2. Color: As selected by Architect from manufacturer's standard range.

B. Base Coat: Fiber-reinforced, acrylic or polymer-based product compatible with insulation board and reinforcing mesh.

C. Reinforcing Mesh: Balanced, open weave glass fiber fabric, treated for compatibility and improved bond with coating, weight, strength, and number of layers as required to meet required system impact rating.

D. Water-Resistive Barrier: Fluid-applied coating forming air and water barrier membrane; applied to sheathing; furnished or approved by DAFS manufacturer.

E. Flashing Tape: Self-adhering rubberized asphalt tape with polyethylene backing or other material furnished or approved by DAFS manufacturer.

2.04 ACCESSORY MATERIALS

A. Trim: EIFS manufacturer's standard PVC trim accessories, as required for a complete project and including starter track and corner and casing beads.

B. Sealant Materials: As recommended by DAFS manufacturer.

PART 3 EXECUTION

3.01 GENERAL

A. Install in accordance with DAFS manufacturer's instructions and ASTM C1397.

B. Where different requirements appear in either document, comply with the most stringent.

C. Neither of these documents supercedes the provisions of the Contract Documents that define the contractual relationships between the parties or the scope of work.

3.02 EXAMINATION

A. Verify that substrate is sound and free of oil, loose materials, or protrusions that could interfere with DAFS installation and is of a type and construction that is acceptable to DAFS

manufacturer. Do not begin work until substrate and adjacent materials are complete and thoroughly dry.

B. Verify that substrate surface is flat, with no deviation greater than 1/4 in when tested with a 10 ft straightedge.

3.03 PREPARATION

A. Apply primer to substrate as recommended by DAFS manufacturer for project conditions.

3.04 INSTALLATION - WATER-RESISTIVE BARRIER

A. Apply barrier coating as recommended by coating manufacturer; prime substrate as required before application.

B. Seal all substrate transitions and intersections with other materials to form continuous water-resistive barrier on exterior of sheathing, using method recommended by manufacturer.

C. Lap flashing tape at least 2 inches on each side of joint or transition.

3.05 INSTALLATION - FINISH

A. Base Coat: Apply in thickness as necessary to fully embed reinforcing mesh, wrinkle free, including back-wrap at all terminations of the DAFS. Install reinforcing fabric as recommended by DAFS manufacturer.
   1. Lap reinforcing mesh edges and ends a minimum of 2-1/2 inches.
   2. Allow base coat to dry a minimum of 24 hours before next coating application.

B. Apply finish coat after base coat has dried not less than 24 hours, embed finish aggregate, and finish to a uniform texture and color.

C. Finish Coat Thickness: As recommended by manufacturer.

D. Apply sealant at finish perimeter and expansion joints in accordance with Section 07 9005.

3.06 CLEANING

A. Clean DAFS surfaces and work areas of foreign materials resulting from DAFS operations.

3.07 PROTECTION

A. Protect completed work from damage and soiling by subsequent work.

END OF SECTION

SECTION 07 2500
WEATHER BARRIERS

PART 1 GENERAL V.20

1.01 SECTION INCLUDES

A. Air Barriers: Materials that form a system to stop passage of air through exterior walls, joints between exterior walls and roof, and joints around frames of openings in exterior walls.

1.02 DEFINITIONS

A. Weather Barrier: Assemblies that form either water-resistive barriers, air barriers, or vapor retarders.

B. Air Barrier: Air tight barrier made of material that is relatively air impermeable but water vapor permeable, both to the degree specified, with sealed seams and with sealed joints to adjacent surfaces. Note: For the purposes of this specification, vapor impermeable air barriers are classified as vapor retarders.

C. Vapor Retarder: Air tight barrier made of material that is relatively water vapor impermeable, to the degree specified, with sealed seams and with sealed joints to adjacent surfaces.
   1. Water Vapor Permeance: For purposes of conversion, 57.2 ng/(Pa s sq m) = 1 perm.

D. Water-Resistive Barrier: Water-shedding barrier made of material that is moisture resistant, to the degree specified, intended to be installed to shed water without sealed seams.

1.03 REFERENCE STANDARDS

A. ASTM D412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers--Tension; 2006a (Reapproved 2013).

B. ASTM D1970/D1970M - Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection; 2013.

C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.

D. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2014.

E. ASTM E1745 - Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs; 2011.

F. ASTM E2178 - Standard Test Method for Air Permeance of Building Materials; 2013.

G. ICC-ES AC212 - Acceptance Criteria for Water-Resistive Coatings Used as Water-Resistive Barriers over Exterior Sheathing; ICC Evaluation Service, Inc.; 2015.

1.04 SUBMITTALS

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

B. Product Data: Provide data on material characteristics, performance criteria, and limitations.

C. Shop Drawings: Provide drawings of special joint conditions.

D. Manufacturer's Installation Instructions: Indicate preparation and installation methods.

1.05 MOCK-UP

A. Install air barrier materials as part of integrated mock-up of exterior wall assembly.
   1. Incorporate backup wall construction, external cladding, window, insulation, ties and other penetrations, and flashing to demonstrate surface preparation, application of weather barriers, and sealing of gaps, terminations, and penetrations of air-barrier assembly. Include building corner condition.
   2. Locate mockup where directed.
   3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.06 DELIVERY, STORAGE AND HANDLING

A. Do not store near heat source or open flame.

1.07 FIELD CONDITIONS

A. Maintain temperature and humidity recommended by the materials manufacturers before, during and after installation.

1.08 WARRANTY

A. Manufacturer's Product Warranty: To repair or replace weather barrier product that fails in materials within specified warranty period.
   1. Warranty Period: 10 years from date of purchase.

B. Manufacturer's Product and Labor Warranty: Manufacturer agrees to repair or replace weather barrier that fails in materials within specified warranty period, including removal and replacement of affected construction up to manufacturer's limits.
   1. Warranty Period: 10 years from date of purchase.

PART 2 PRODUCTS

2.01 WEATHER BARRIER ASSEMBLIES

A. Source Limitations: Obtain weather barrier assembly components, including weather barrier flashing and foam insulation from same manufacturer as weather barrier or manufacturer approved by weather barrier manufacturer.

B. Performance Requirements: Installed weather barrier and accessories shall withstand specified wind pressures, liquid water penetration, and water vapor pressures without failure due to defective manufacture of products.

C. Air Barrier:
   1. At mechanically attached siding: On outside surface of sheathing of exterior walls use air barrier sheet, mechanically fastened type.

2.02 AIR BARRIER MATERIALS (WATER VAPOR PERMEABLE AND WATER-RESISTIVE)

A. Air Barrier Sheet, Mechanically Fastened:
   1. System Description, Single-Layer Weather Barrier: Single-layer weather barrier, including flashing and sealing of penetrations and seams.
   2. Air Permeance: 0.004 cfm/sq ft, maximum, when tested in accordance with ASTM E2178.
   3. Water Vapor Permeance: 15 perms, minimum, when tested in accordance with ASTM E96/E96M Procedure A (desiccant procedure).
   4. Water Penetration Resistance: Withstand a water head of 21 inches, minimum, for minimum of 5 hours, when tested in accordance with AATCC Test Method 127.
   5. Ultraviolet (UV) and Weathering Resistance: Approved in writing by manufacturer for up to 180 days of weather exposure.
   6. Surface Burning Characteristics: Flame spread index of 25 or less, and smoke developed index of 50 or less, when tested in accordance with ASTM E84.
   7. Seam and Perimeter Tape: Polyethylene self adhering type, mesh reinforced, 2 inches wide, compatible with sheet material; unless otherwise specified.
   8. Manufacturers:
      a. DuPont Building Innovations; Tyvek CommercialWrap, Tyvek Wrap Caps, Tyvek Tape, and Tyvek Commercial Sealant: www.dupont.com.
      b. Substitutions: See Section 01 6000 - Product Requirements.

2.03 *VAPOR RETARDER MATERIALS*

A. ***Vapor Retarder Sheet: Multi-layer, fabric-, cord-, grid-, or aluminum-reinforced polyethylene or equivalent, complying with ASTM E1745, Class A; stated by manufacturer as suitable for application indicated. Single ply polyethylene is prohibited.***
   1. ***Water Vapor Permeance: 0.3 perm, maximum, when tested in accordance with ASTM E96/E96M.***
   2. ***Thickness: 15 mil.***

3. ***Seam and Perimeter Tape: Polyethylene self adhering type, mesh reinforced, 2 inches wide, compatible with sheet material.***
4. ***Manufacturers:***
   a. ***Stego Industries, LLC; Stego Wrap 15-Mil Vapor Barrier.***
   b. ***Substitutions: See Section 01 6000 - Product Requirements.***

2.04 FLASHING AND ACCESSORIES

A. Sealants, Tapes, and Accessories for Sealing Weather Barrier and Sealing Weather Barrier to Adjacent Substrates: As specified or as recommended by weather barrier manufacturer.

B. Weather Barrier Flashing: Flexible composite flashing material with butyl-based adhesive layer as recommended by weather barrier manufacturer.
   1. Conformability: Able to create a seamless sill pan extending up the jambs without cuts, patches, or fasteners.
   2. Water Penetration: No leakage at 15 psf (720 Pa) per ASTM E331.
   3. Low Temperature Adhesion: Exceeds minimum value of 1.5 lb./in. (0.26N/mm) at 25 deg F (minus 4 deg C) as Class A (without primer use).
   4. Adhesion After Water Immersion: Exceeds minimum value of 1.5 lb./in. (0.26N/mm), after AAMA 800, Sections 2.4.1.3.1/2.4.1.4.3, Test B.
   5. Products:
      a. DuPont Building Innovations; FlexWrap.
      b. For sealing penetrations: DuPont Building Innovations; FlexWrap EZ
      c. For window and door openings: DuPont Building Innovations; StraightFlash
      d. Substitutions: See Section 01 6000 - Product Requirements.

C. Flexible Flashing: Self-adhesive sheet flashing complying with ASTM D1970/D1970M, except slip resistance requirement is waived if not installed on a roof.
   1. Thickness: 40 mil, 0.040 inch, nominal.
   2. Manufacturers:
      a. Carlisle Coatings and Waterproofing, Inc.; CCW-705 TFW: www.carlisle-ccw.com.
      b. Intertape Polymer Group, Inc; NovaFlash SA Universal Self-Adhered Flashing (25 mil): www.itape.com.
      c. Substitutions: See Section 01 6000 - Product Requirements.

D. Fluid-Applied Flashing: Trowel or brush applied, non-water soluble, single component, silyl terminated polyether technology (STPE), vapor permeable, flashing material.
   1. VOC Content: ASTM C1250, less than 2 percent by weight and between 25 to 30 g/L.
   2. Water Vapor Transmission: ASTM E96, Method B, greater than 20 perms (1100 ng/Pa x s x sq. m) at 25 mils (0.635 mm) thick.
   3. Minimum Tensile Strength: ASTM D412, 165 lb/sq. ft. (1140 kPa).
   4. Minimum Elongation at Break: ASTM D412; 380 percent.
   5. Products:
      a. DuPont Building Innovations; Tyvek Fluid Applied Flashing & Joint Compound.
      b. Substitutions: See Section 01 6000 - Product Requirements.

E. ***Vapor Retarder Tape: Coated polyester film with acrylic adhesive backing; pressure sensitive. Type as recommended by vapor barrier manufacturer.***

F. Transition Membrane for sheathing with integral weather barrier: Self-adhering flexible membrane:
   1. Georgia Pacific LLC; DensDefy Transition Membrane: www.gpgypsum.com.

G. Thinners and Cleaners: As recommended by material manufacturer.

H. Primers (for surface preparation): Required and as recommended by manufacturer.
   1. Synthetic rubber-based product; spray applied, that strengthens adhesive bond at low temperature applications between weather barrier products and common building sheathing materials.

a. Peel Adhesion Test: Passes in accordance with ASTM D3330, Test Method F.
b. Chemical Compatibility: Pass; AAMA 713.
c. Flame Spread Index: 5; ASTM E84.
d. Smoke Development Index: 0; ASTM E84.

I. Closed-Cell Polyurethane Foam Insulation: Low-pressure, low-expansion, single-component polyurethane foam, with maximum flame-spread and smoke-developed indexes of 15 and 25, respectively, per ASTM E84.

J. Fasteners: Weather barrier manufacturer's recommended fasteners.
1. Type: Self-gasketing washers, pneumatically or hand-applied fasteners with 1-inch (25-mm) diameter, high-density polyethylene cap washers with UV inhibitors.
2. Products:
a. DuPont Building Innovations; Tyvek Wrap Caps.
b. Substitutions: See Section 01 6000 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine substrates, with Installer present, for compliance with requirements. Verify that surfaces and conditions are ready to accept the work of this section.
1. Verify that rough sill framing for doors and windows is sloped downwards towards the exterior and is level across width of the opening.
2. Verify that surfaces to receive weather barrier flashing are clean, dry, and free of frost.

B. Proceed with installation only after unsatisfactory conditions have been corrected

3.02 PREPARATION

A. Remove projections, protruding fasteners, and loose or foreign matter that might interfere with proper installation.

B. Clean and prime substrate surfaces to receive adhesives in accordance with manufacturer's instructions.

3.03 INSTALLATION

A. Install materials in accordance with manufacturer's instructions. Coordinate installation with products installed in openings and penetrations.

B. Air Barriers & Vapor Retarders: Install continuous air tight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.

C. ***Vapor Retarders: Install continuous air tight barrier over surfaces indicated, with sealed seams and with sealed joints to adjacent surfaces.***

D. Mechanically Fastened Sheets - On Exterior:
1. Install sheets shingle-fashion to shed water, with seams generally horizontal.
2. Overlap seams as recommended by manufacturer but at least 6 inches.
3. Overlap at outside and inside corners as recommended by manufacturer but at least 12 inches.
4. Attach to framed construction with fasteners extending through sheathing into framing. Space fasteners at 12 to 18 inches on center along each framing member supporting sheathing.
5. For applications specified to be air tight, seal seams, laps, penetrations, tears, and cuts with self-adhesive tape; use only large-headed, gasketed fasteners recommended by the manufacturer.
6. Where stud framing rests on concrete or masonry, extend lower edge of sheet at least 4 inches below bottom of framing and seal to foundation with sealant or prime surface and apply self adhesive flashing.
7. Install water-resistive barrier over jamb flashings.
8. Install air barrier and vapor retarder underneath the jamb flashings.

9. Install head flashings under weather barrier.
10. At openings to be filled with frames having nailing flanges, wrap excess sheet into opening; at head, seal sheet over flange and flashing.

E. ***Mechanically Fastened Sheets - Vapor Retarder On Interior:***
1. ***Seal seams, laps, perimeter edges, penetrations, tears, and cuts with self-adhesive tape, making air tight seal.***
2. ***Locate laps at a framing member; at laps fasten one sheet to framing member then tape overlapping sheet to first sheet.***
3. ***Seal entire perimeter to structure, window and door frames, and other penetrations.***
4. ***Where conduit, pipes, wires, ducts, outlet boxes, and other items are installed in insulation cavity, pass vapor retarder sheet behind item but over insulation and maintain air tight seal.***

F. Self-Adhered Sheets and membranes:
1. Prepare substrate in manner recommended by sheet manufacturer; fill and tape joints in substrate and between dissimilar materials.
2. Clean substrate and apply primer to surface.
3. Lap sheets shingle-fashion to shed water and seal laps air tight.
4. Once sheets are in place, press firmly into substrate with resilient hand roller; ensure that laps are firmly adhered with no gaps or fishmouths.
5. Use same material, or other material approved by sheet manufacturer for the purpose, to seal to adjacent construction and as flashing.
6. At wide joints, provide extra flexible membrane allowing joint movement.

G. Fluid Coatings (Spray or Roll Applied):
1. Prepare substrate in manner recommended by coating manufacturer; treat joints in substrate and between dissimilar materials as recommended by manufacturer.
2. Where exterior masonry veneer is to be installed, install masonry anchors before installing weather barrier over masonry; seal around anchors air tight.
3. Mastic Coating: Install by trowel or roller to minimum thickness of 1/4 inch; use sheet seal to join to adjacent construction, seal air tight with sealant.
4. Use flashing to seal to adjacent construction and to bridge joints.

H. Openings and Penetrations in Exterior Weather Barriers:
1. Install flashing over sills, covering entire sill frame member, extending at least 5 inches onto weather barrier and at least 6 inches up jambs; mechanically fasten stretched edges.
2. At openings to be filled with frames having nailing flanges, seal head and jamb flanges using a continuous bead of sealant compressed by flange and cover flanges with sealing tape at least 4 inches wide; do not seal sill flange. Install weather barrier into opening beyond the inside face of opening frame. Coordinate depth with opening unit.
3. At openings to be filled with non-flanged frames, seal weather barrier to each side of opening framing, using flashing at least 9 inches wide, covering entire depth of framing.
4. At head of openings, install flashing under weather barrier extending at least 2 inches beyond face of jambs; seal weather barrier to flashing.
5. At interior face of openings, seal gap between opening unit frame and rough framing, flashing around opening perimeter using joint sealant over backer rod and sealed directly to the weather barrier.
6. Service and Other Penetrations: Form flashing around penetrating item and seal to weather barrier surface.
7. Fastener penetrations: Apply fluid sealant at pentrations through weather barrier layer to at attachment of framing, furring, boards, etc to keep cohesiveness of weather barrier system maintained. Blind seals are prohibited.

3.04 FIELD QUALITY CONTROL

A. See Section 01 4000 - Quality Requirements, for additional requirements.

B. Take digital photographs of each portion of the installation prior to covering up.

1. Photograph each penetration through weather barrier prior to concealing from view.

3.05 CLEANING AND PROTECTION

A. Immediately remove release paper and scrap from work area and properly dispose of material.

B. Protect installed weather barrier from the following:
   1. Damage from cladding, structure, or a component of the structure (for example, window, door, or wall system).
   2. Contamination from building site chemicals, premature deterioration of building materials, or nonstandard use or application of products.
   3. Foreign objects or agents, including the use of materials incompatible with weather barrier products.
   4. UV exposure in excess of products' stated limits.

C. Do not leave materials exposed to weather longer than recommended by manufacturer.

END OF SECTION

SECTION 07 5600
FLUID-APPLIED ROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. ***Fluid-applied roofing materials, including flashing and walk tread surface.***

B. Accessories.

1.02 REFERENCE STANDARDS

A. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2025.

B. ASTM D41/D41M - Standard Specification for Asphalt Primer Used in Roofing, Dampproofing, and Waterproofing; 2011.

C. ASTM D312/D312M - Standard Specification for Asphalt Used in Roofing; 2015.

D. ASTM D4601/D4601M - Standard Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing; 2004 (Reapproved 2012).

E. ASTM D5147/D5147M - Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Material; 2018 (Reapproved 2024).

F. ASTM D6163/D6163M - Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements; 2021.

G. FM 4470 - Examination Standard for Single-Ply, Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for Use in Class 1 and Noncombustible Roof Deck Construction; 2022.

1.03 SUBMITTALS

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

B. Product Data: Provide manufacturer's data for membrane and accessory materials.

C. Shop Drawings: Indicate special joint or termination conditions and conditions of interface with other materials.

D. Manufacturer's Installation Instructions: Include standard installation instructions, acceptable installation temperature range, and procedures for unusual perimeter conditions.

E. Manufacturer's qualification statement.

F. Installer's qualification statement.

G. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacture of fluid-applied roofing or waterproofing systems.
   1. Three years' documented experience manufacturing type of product specified.

B. Installer Qualifications: Company specializing in installation of fluid-applied roofing or waterproofing systems.
   1. Five years of documented experience.

1.05 MOCK-UPS

A. See Section 01 4000 - Quality Requirements for additional requirements.

B. Construct mock-up consisting of specified roofing materials, including internal and external corners, base flashings, and steel tube post flashing similar to those included as part of this work.
   1. Locate where directed.

2. Mock-up may remain as part of work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's original containers, dry and undamaged, with seals and labels intact.

B. Store materials in weather protected environment, clear of ground and moisture.

C. Ensure storage and staging of materials does not exceed static and dynamic load-bearing capacities of roof decking.

1.07 FIELD CONDITIONS

A. Maintain ambient temperatures above 40 degrees F for 24 hours before and during application and until cured.

B. Schedule applications so that no partially completed sections of roof are left exposed at end of workday.

1.08 WARRANTY

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

B. Provide 20-year manufacturer warranty that roofing membrane will not crack, split, or flake under normal weather conditions and will not fail to resist penetration of water during that time period.
   1. Hairline cracking of concrete due to temperature change or shrinkage is not considered a structural failure.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Fluid-Applied Roofing:
   1. Siplast Inc.: Parapro PMMA Liquid Roof Membrane and Flashing System; www.siplast.com.
   2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 ROOFING MEMBRANE SHEET MATERIALS

A. Fluid-Applied Roofing: White, cold-applied; multi-component; polymethyl-methacrylate-based (PMMA), approved by manufacturer for permanent exposure to weather and sunlight.
   1. Dry Film Thickness (DFT): 90 mils, 0.090 inch, minimum, applied in two coats with reinforcing fabric between each coat.

B. Base Ply: ASTM D6163/D6163M , Type I, Grade S homogenous membrane with a glass-fiber reinforcing mat impregnated/saturated and coated each side with manufacturer's standard adhesive. The base ply shall be surfaced with a factory-applied acrlic coating.
   1. Thickness (avg): 91 mils (2.3 mm).
   2. Physical and mechanical properties complying with ASTM D5147/D5147M .

C. Resin for Finish Ply Membrane Construction: Multi-component, fast-curing, flexible PMMA-based resin for use in combination with fleece fabric to form a monolithic, reinforced roofing membrane.
   1. Thickness (avg): 90 mils (2.3 mm) at 0.31 kg/ft² (3.3 kg/m²) coverage rate; ASTM D5147/D5147M

D. Fleece for Membrane Reinforcement: Non-woven, needle-punched polyester fabric reinforcement as supplied by the membrane system manufacturer.

2.03 BASE FLASHING SHEET MATERIALS

A. Base Flashing Sheet Materials: Stripping and flashing reinforcing ply, ASTM D6163/D6163M , Type I, Grade S homogenous membrane with glass-fiber reinforcing mat impregnated/saturated and coated each side with manufacturer's standard self-adhesive to provide full adhesion to the total surface area of the substrate. Supplied by the membrane system manufacturer.

B. Liquid Flashing System: Catalyzed PMMA-based membrane fully reinforced with a non-woven polyester fleece that is installed over a prepared or primed substrate as supplied by the membrane system manufacturer.

C. Flexible Flashing Sheet: Neoprene or other elastic type sheets approved by roofing membrane manufacturer.

2.04 BITUMIOUS MEMBRANE PRIMERS

A. Low VOC Asphalt Primer: Primer shall meet ASTM D41/D41M criteria.

B. Primer for Self-Adhesive Membranes: Primer for self-adhesive membranes shall be a single component, water-based resinous primer formulated to condition masonry, wood, plywood, concrete, asphaltic, and gypsum surfaces to facilitate adhesion of self-adhesive membranes.

2.05 AUXILIARY ROOFING MATERIALS

A. Roofing Asphalt: ASTM D312/D312M , Type III or IV.

B. Membrane Adhesive: A single-component, moisture curing, low-odor adhesive designed for application of the specified roof membrane system.

C. Flashing Cement: A single-component, moisture curing, low-odor adhesive formulated in a grade for application of flashing materials.

D. Sealant: A moisture-curing, self-leveling or non-slumping elastomeric sealant designed for roofing applications

E. Base Sheet Fasteners for Wood/Plywood Decks: 12-gauge, spiral or annular threaded shank, zinc-coated steel roofing fastener having a min. 1-inch metallic head.

F. Base Sheet for Nailable Substrates: Fiberglass reinforced, asphalt coated sheet with a polyolefin film backing, having a minimum weight of 20 lb/sq; conforming to ASTM D4601/D4601M , Type II.

G. Substrate Board/ Thermal Barrier: panel composed of a gypsum based, non-structural water resistant core material integrally bonded with fiberglass mats on both sides.
   1. Georgia Pacific Corp: DensDeck Gypsum Roof Board or similar.

2.06 ROOF INSULATION:

A. General:
   1. Insulation shall be approved in writing by the insulation manufacturer for intended use and for use with the specified roof assembly.
   2. Maintain a maximum panel size of 4 feet by 4 feet where polyisocyanurate / fiberboard insulation is specified to be installed in insulation adhesive or hot asphalt.
   3. Install only as much insulation as can be made watertight during the same work day.

B. Tapered Polyisocyanurate Board Insulation (organic paper facer): Closed cell, rigid polyisocyanurate foam core material, integrally laminated between glass fiber reinforced organic facers, complywing with ASTM C1289 , Type II, Class 1, Grade 2.
   1. The tapered system shall incorporate fill panels of a nominal thickness and provide for a roof slope of 1/4 inch per foot.

C. Insulation Accessories:
   1. Insulation fasteners shall provide attachment required to meet the specified uplift performance and to restrain the insulation panels against the potential for ridging.
   2. Insulation Fasteners for Wood/Plywood Decks:
      a. Insulation mechanical fasteners shall be a fluorocarbon coated screw type roofing fastener having a minimum 0.220 inch thread diameter.
      b. Plates used in conjunction with the fastener shall be a metal type having a minimum 3 inch diameter, as supplied by the fastener manufacturer..
      c. The fastener shall conform meet or exceed FM 4470 and when subjected to 30 Kesternich cycles, show less than 15% red rust.

3. Insulation Adhesive: Single or dual component low-rise polyurethane foam adhesive designed specifically for the adhesion of roof insulation to substrate, as well as subsequent layers of insulation.
4. Tapered Edge Strips:
    a. A tapered panel composed of expanded volcanic minerals combined with waterproofing binders.
    b. The top surface shall be pre-treated with an asphalt based coating.
    c. The panels shall have a dimension sufficient to provide for a smooth transition and provide proper support for the membrane layer or subsequent layer of insulation when there are transitions of 1/4 inch or greater.

2.07 RESIN ACCESSORIES

A. Cleaning Solution/Solvent: A clear solvent used to clean and prepare transition areas of in-place catalyzed resin to receive subsequent coats of resin and to clean substrate materials to receive resin.

B. Preparation Paste: A PMMA-based paste used for remediation of depressions in substrate surfaces or other irregularities.

C. Repair Mortar: A two-component, PMMA-based, aggregate filled mortar used for patching concrete substrates.

D. Thixotropic Agent: A liquid additive used to increase the viscosity of the PMMA-based resin products, allowing the resins to be applied over sloped substrates.

E. Color Finish Resin: A pigmented, PMMA-based resin for used to provide a color finish for both field and flashing membranes.

F. Catalyst: A peroxide-based reactive agent used to induce curing of PMMA-based resins.

G. Primers for PMMA Resin-based Roof Membrane and Flashing:
    1. Primer for Wood, Plywood and Rigid Insulation, Masonry and Vertical Concrete Substrates: A fast-curing PMMA-based primer for use in over wood, plywood and rigid insulation substrates.

2.08 ACCESORIES

A. ***Glass Bead Anti-Skid Application: Broadcast material as recommended by membrane manufacturer for walking surface.***
    1. ***Product: Siplast Pro Texture beads.***
    2. ***Substitutions: See Section 01 6000 - Product Requirements.***

B. Joint Tape: A thermoplastic/rubber based sheet having a woven polyester backing used to treat joints between rigid insulation, flashing substrate panels and joints at cover plates used over sheet metal components. The tape shall have a minimum width of 4 inches.

C. Spray Primer for Stainless Steel, Aluminum and Copper Substrates: An enamel spray primer for metal substrates to receive PMMA-based flashings.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions prior to starting this work.

B. Verify substrate surfaces are free of frozen matter, dampness, loose particles, cracks, pits, projections, penetrations, or foreign matter detrimental to adhesion or application of roofing system.

C. Verify that substrate surfaces are smooth, free of honeycombs or pitting, and not detrimental to full contact bond of roofing materials.

D. Verify that roof openings, curbs, and items that penetrate surfaces to receive roofing materials are securely and properly installed.

3.02 PREPARATION

A. Clean and prepare surfaces to receive roofing in accordance with manufacturer's instructions and recommendations. Sweep or vacuum all surfaces, removing all loose aggregate and foreign substances prior to commencement of roofing.

B. Seal cracks and non-moving open joints less than 1/2 inch wide with sealant using methods recommended by roofing and sealant manufacturers; do not seal expansion joints or moving joints of any width.

C. Install cant strips at inside corners, where indicated and where required by roofing manufacturer.

D. Protect adjacent surfaces not designated to receive roofing.

E. Primer for Self-Adhesive Flashing Reinforcing Ply: Apply the specified tacky primer by roller or spray in an even film. Refer to the manufacturer's literature for the approved rate of application over various substrate types. Allow the primer to dry until it leaves a slightly sticky surface without transfer when touched. Cutting or alteration of the primer is not permitted.

F. Preparation of Wood/Plywood Flashing Substrates to receive Resin: Prime wood/plywood surfaces to receive the specified flashing system with the specified PMMA-based primer at the rate specified by the resin manufacturer and allow primer to cure. Tape the joints between plywood or wood panels using gaffer's tape prior to application of the lashing system

3.03 INSTALLATION, GENERAL

A. Install tapered insulation and fluid-applied roofing in accordance with manufacturer's instructions and recommendations, to specified minimum thickness.

B. Apply roofing materials to surfaces that are acceptable to manufacturer.

C. Adhesive Application: Apply membrane cold adhesive by roller, squeegee or spray unit in a smooth, even, continuous layer without breaks or voids. Utilize an application rate for each ply as published by the roof membrane manufacturer. Double the adhesive application rate at the end laps of granule surfaced sheets. Where solvent-based adhesive is applied, refer to the manufacturer's inter-ply flashing detail at the locations that are to receive the specified catalyzed acrylic resin primer/flashing system. Cutting or alteration of the adhesive is not permitted

D. General Appearance: Ensure that the finished roofing application has an aesthetically pleasing overall appearance and is acceptable to the Owner.

E. Installations Over Sealant-Filled Joints: Install an extra coating of roofing material over joints at least 6 inches on each side of joint.

F. Penetrations: Unless otherwise indicated on drawings, or recommended by roofing manufacturer, seal flexible flashing sheet around penetrations and to roofing substrate prior to installation of roofing material, embedding flashing sheet in one coat of roofing material.

G. Embedded Flexible Flashing Sheet: Apply full thickness of roofing material over exposed flashing sheet.

H. ***Walktread Application***
   1. ***Gass Bead Anti-Skid Application (Note: this is to be installed on all surfaces that would be accessable to maintenance personnel accessing equipment)***
      a. ***Apply an additional layer of roof membrane on the prepared roof surface at the rate of 30 mils.***
      b. ***Immediately broadcast glass texture beads into the wet membrane using a hopper gun.***
      c. ***Backroll to embed the beads onto the membrane surface.***

3.04 FIELD QUALITY CONTROL

A. See Section 01 4000 - Quality Requirements for additional requirements.

B. Upon completion of horizontal fluid-applied roofing material installation, install dam at perimeter of installation area in preparation for flood testing.

C. Flood area to a minimum depth of 1 inch with clean water, and after 72 hours, inspect for leaks.

D. If leaking is found, remove water, repair leaking areas with new roofing materials as directed by Architect, and repeat flood test. Repair damages to building related to roof test leakage.

E. When area is confirmed to be watertight, drain water and remove dam materials.

3.05 PROTECTION

A. Protect installed roofing and flashings from construction operations.

B. Where traffic must proceed over installed roofing materials, protect surfaces using durable materials acceptable to roofing material manufacturer.

END OF SECTION

SECTION 09 6423
WOOD PARQUET FLOORING - REVISED

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Wood parquet flooring, adhesive applied.

B. Surface finishing.

1.02 RELATED REQUIREMENTS

A. Section 09 6429 - Wood Strip and Plank Flooring.

B. Section 09 9300 - Staining and Transparent Finishing

1.03 REFERENCE STANDARDS

A. MFMA (SPEC) - Guide Specifications for Maple Flooring Systems; current edition.

B. NWFA (IG) - Installation Guidelines; current edition located at www.nwfa.org.

1.04 SUBMITTALS

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

B. Product Data: Provide data for flooring and floor finish materials.

C. Shop Drawings: Indicate floor joint pattern and termination details.

D. Samples: Submit two samples, minimum 12 by 12 inch in size illustrating floor pattern, floor finish, color, and sheen.

E. Installation Instructions: Indicate standard. Include manufacturer's recommendations for accessory products.

F. Manufacturer's Qualification Statement.

G. Installer's Qualification Statement.

H. Maintenance Data: Include maintenance procedures, recommended maintenance materials, suggested schedule for cleaning, stripping and re-finishing procedures, stain removal methods, and polishes and waxes.

I. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 6000 - Product Requirements, for additional provisions.
   2. Extra Flooring Material: 10 square yards matching installed flooring.

1.05 QUALITY ASSURANCE

A. Perform work of this section in accordance with MFMA (SPEC) and NWFA (IG).

B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years documented experience.

C. Installer Qualifications: Company specializing in performing work of the type specified and with at least five years documented experience.

1.06 FIELD CONDITIONS

A. Do not install wood flooring until wet construction work is complete and ambient air at installation space has moisture content stabilized at maximum moisture content of 40 percent.

B. Provide heat, light, and ventilation prior to installation.

C. Store materials in area of installation for minimum period of 24 hours prior to installation.

D. Maintain minimum room temperature of 65 degrees F and relative humidity in accordance with adhesive manufacturer's instructions for a minimum period of 48 hours prior to delivery of materials to installation space, during installation, and after installation.

PART 2 PRODUCTS

2.01 MATERIALS

A. Wood Parquet Flooring:
   1. Species: White oak.
   2. Grade: Clear.
   3. Cut: Quarter sawn.
   4. Moisture Content: 7 to 9 percent.
   5. Actual Thickness: 3/4 inch.
   6. Unit Size: As shown on Drawings.
   7. Edging: Tongue and groove, end matched.
   8. Pattern/Design: Grain matched edges and ends.

2.02 ACCESSORIES

A. Primers and Adhesives: Water-resistant; types recommended by flooring manufacturer for project substrates.

B. Transition Strip: Same species and finish as flooring material; profiles indicated.

C. Floor Finish: Specified in Section 09 9123.

D. Floor Finish: Polyurethane, to achieve high gloss surface; type recommended by flooring manufacturer.

E. ***Subflooring: See Section 09 6429-Wood Strip and Plank Flooring.***

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive wood flooring.

B. Verify that sub-floor surfaces are dust-free and free of substances that could impair bonding of materials to sub-floor surfaces.

C. Verify that wood sub-floors have 12 percent maximum moisture content.

D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

A. Prepare sub-floor to receive wood flooring in accordance with manufacturer's, MFMA, and NWFA instructions.

B. Remove sub-floor ridges and bumps. Fill minor or local low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.

C. Prohibit traffic until filler is cured.

D. Vacuum clean substrate.

E. Apply primer to _____ surfaces.

3.03 INSTALLATION

A. Adhesives:
   1. Spread only enough adhesive to permit installation of materials before initial set. Exceeding adhesive manufacturer's recommended spread rate of adhesive for substrate is prohibited.
   2. Remove excess adhesive extruded through floor surface as work progresses.

B. Wood Flooring:
   1. Install wood flooring in accordance with manufacturer's, MFMA, and NWFA installation instructions.
   2. Set wood flooring in place, press with heavy roller to attain full adhesion.
   3. Lay flooring in patterns indicated on drawings. Verify alignment as work progresses.
   4. Arrange flooring with end matched grain set flush and tight.

5. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar; provide divider strips and transition strips in accordance with flooring manufacturer's recommendations and as indicated.
6. Install flooring tight to floor access covers.
7. Provide 1/2 inch expansion space at fixed walls and other interruptions.

C. Finishing:
1. Mask off adjacent surfaces before beginning sanding.
2. Sand flooring to smooth even finish with no evidence of sander marks. Take precautions to contain dust. Remove dust by vacuum.
3. Apply finish in accordance with floor finish manufacturer's and MFMA instructions.
4. Apply filler and three finish coats.
5. Apply first coat, allow to dry, then buff lightly with steel wool to remove irregularities. Vacuum clean and wipe with damp cloth before applying succeeding coat.
6. Lightly buff between coats with steel wool and vacuum clean before applying succeeding coat.
7. Apply last coat of finish.

D. Floor Access Covers: Install floor access covers specified in Section _____ in accordance with cover manufacturer's installation instructions.

3.04 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damaging surfaces.

B. Clean and polish floor surfaces in accordance with floor finish manufacturer's instructions.

3.05 PROTECTION

A. Prohibit traffic on floor finish for 48 hours after installation.

B. Place protective coverings over finished floors; do not remove coverings until Date of Substantial Completion.

3.06 SCHEDULES - SEE DRAWINGS

END OF SECTION

SECTION 09 6429
WOOD STRIP AND PLANK FLOORING - REVISED

PART 1 GENERAL V.20

1.01 SECTION INCLUDES

A. Wood strip and plank flooring, nailed.

B. ***Subflooring.***

C. ~~***Secondary subflooring.***~~

D. ~~***Sleepers.***~~

E. Sheet vapor retarder.

1.02 RELATED REQUIREMENTS

A. Section 09 0160 - Wood Flooring Restoration; new wood strip flooring to match adjacent original flooring to be refinished as part of this Section.

B. Section 09 9300 - Staining and Transparent Finishing

1.03 REFERENCE STANDARDS

A. NWFA (IG) - Installation Guidelines; current edition located at www.nwfa.org.

1.04 SUBMITTALS

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

B. Product Data: Provide data for flooring and floor finish materials.

C. Shop Drawings: Indicate floor joint pattern, termination details, indicate provisions for expansion and contraction.

D. Samples: Submit two samples, full specified width and minimum 12-inches long, illustrating floor finish, color, and sheen.

E. Installation Instructions: Indicate standard and special installation procedures.

F. Maintenance Data: Include maintenance procedures and recommended maintenance materials.

G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. See Section 01 6000 - Product Requirements, for additional provisions.
   2. Extra Flooring Material: 10 square yards matching installed flooring.

1.05 QUALITY ASSURANCE

A. Perform work of this section in accordance with NWFA (IG).

B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years documented experience.

C. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.06 FIELD CONDITIONS

A. Do not install wood flooring until wet construction work is complete and ambient air at installation space has moisture content stabilized at maximum moisture content of 40 percent.

B. Provide heat, light, and ventilation prior to installation.

C. Store materials in area of installation for minimum period of 24 hours prior to installation.

D. Maintain minimum room temperature of 65 degrees F for a period of two days prior to delivery of materials to installation space, during installation, and after installation.

PART 2 PRODUCTS

2.01 MATERIALS

A. Wood Strip Flooring:
   1. Species: White oak.
   2. Grade: Clear.
   3. Cut: Quarter sawn.
   4. Moisture Content: 7 to 9 percent.
   5. Actual Thickness: 3/4 inch.
   6. Actual Width: 2-1/4 inches.
   7. Edge: Tongue and groove.
   8. End: Square.
   9. Lengths: Random, minimum of 9 inches.

B. Flooring Nails: Type recommended by flooring manufacturer.

C. ***Subflooring: 3/4 inch thick plywood. Verify substrate conditions and provide required preparation to ensure new finished flooring is flush with adjacent existing finished flooring.***
   1. ***At Wood Joist locations: Provide APA-rated, tongue-and-groove plywood subfloor panels, minimum 23/32-inch nominal 3/4-inch thickness, Exposure 1 bond classification, with span rating appropriate for joist spacing and design loads. Install panels with strength axis perpendicular to joists, stagger end joints, and provide required edge support. Glue and mechanically fasten panels to joists in accordance with panel manufacturer recommendations. Verify subfloor flatness and moisture content before installing 3/4-inch solid hardwood flooring. Provide appropriate crawlspace moisture control.***
   2. ***At raised slab locations over basement: Provide a plywood subfloor system specifically designed and approved for installation over elevated concrete slabs supporting 3/4-inch solid hardwood flooring.***

D. ~~***Sleepers and Shims: Softwood lumber, pressure treated for moisture protection, 2 by 4 inch size.***~~

E. ~~***Secondary Subflooring: 1 inch thick plywood, APA Rated Sheathing, span rating of 48/24,C-C Plugged Exterior in accord with PS 1-95. with square edges; Exposure 1.***~~

F. Vapor Retarder: Black polyethylene sheet, 8 mil thick; 2 inch wide tape for joint sealing.

G. Sheathing Paper: Plain building paper.

2.02 ACCESSORIES

A. Transition Strip: Same species and finish as flooring material; profiles indicated.

B. Floor Finish: Polyurethane, to achieve surface matching adjacent restored existing wood finish; type recommended by flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting this work.

B. Verify that concrete subfloor surface is smooth and flat to plus or minus 1/4 inch in 10 feet.

C. Verify wood subfloor is properly secured, smooth and flat to plus or minus 1/4 inch in 10 feet.

D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

A. Sleepers and Shims:
   1. Place vapor retarder over subfloor surface, lapping edges and ends minimum 6 inches and tape seal; spot glue in place.
   2. Place sleepers over vapor retarder; space sleepers at 16 inches on center.
   3. Shim underside of sleepers to achieve level line of plus or minus 1/4 inch in 10 feet.

4. Anchor sleepers to concrete substrate with explosive driven concrete nails; place nails at 22 inches on center.

B. Secondary Subflooring: Place plywood subflooring over sleepers.
   1. Lay perpendicular to the sleepers, with end joints over sleepers, and nail at 12 inches on center. Leave 3/8" gap for expansion at edge of flooring. Leave 3/32" gaps for expansion between subflooring panels.

C. Prepare substrate to receive wood flooring in accordance with manufacturer's and NWFA instructions.

D. Broom clean substrate.

3.03 INSTALLATION

A. Sheathing Paper: Place over wood subfloor; lap edges and ends 2 inches, staple in place.

B. Wood Flooring:
   1. Install in accordance with manufacturer's and NWFA instructions; predrill and blind nail to subfloor.
   2. Lay flooring parallel to length of room areas. Verify alignment as work progresses.
   3. Arrange flooring with square ends set flush and tight.
   4. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar; provide divider strips and transition strips in accordance with flooring manufacturer's recommendations and as indicated.
   5. Install edge strips at unprotected or exposed edges, and where flooring terminates.
   6. Secure edge strips before installation of flooring with stainless steel screws.
   7. Install flooring tight to floor access covers.
   8. Provide 3/8" inch expansion space at fixed walls and other interruptions.

C. Install base at floor perimeter to cover expansion space in accordance with manufacturer's instructions. Miter inside and outside corners.

D. Finishing:
   1. Comply with requirements in Section 09 9300 - Staining and Transparent Finishing.
   2. Mask off adjacent surfaces before beginning sanding.
   3. Sand flooring to smooth even finish with no evidence of sander marks. Take precautions to contain dust. Remove dust by vacuum.
   4. Apply finish in accordance with floor finish manufacturer's instructions.
   5. Apply filler and stain and three finish coats.
      a. Apply first coat, allow to dry, then buff lightly with steel wool to remove irregularities. Vacuum clean and wipe with damp cloth before applying succeeding coat.
      b. Lightly buff between coats with steel wool and vacuum clean before applying succeeding coat.
      c. Apply last coat of finish.

E. Floor Access Covers: Install floor access covers specified in other Sections in accordance with cover manufacturer's installation instructions.

3.04 CLEANING

A. Clean and polish floor surfaces in accordance with floor finish manufacturer's instructions.

3.05 PROTECTION

A. Prohibit traffic on floor finish for 48 hours after installation.

B. Place protective coverings over finished floors; do not remove coverings until Date of Substantial Completion.

3.06 SCHEDULES - SEE DRAWINGS

END OF SECTION

SECTION 09 9113
EXTERIOR PAINTING

PART 1 GENERAL V.23

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints.

C. Scope: Finish exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
   1. Exposed surfaces of steel lintels, ledge angles, and exterior primed or unfinished metals.
   2. Mechanical and Electrical:
      a. On the roof and outdoors, paint equipment that is exposed to weather or to view, including factory-finished materials.

D. Do Not Paint or Finish the Following Items:
   1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
   5. Non-metallic roofing and flashing.
   6. Stainless steel, anodized aluminum, bronze, terne coated stainless steel, zinc, and lead.
   7. Floors, unless specifically indicated.
   8. Ceramic and other types of tiles.
   9. Brick, glass unit masonry, architectural concrete, cast stone, integrally colored plaster and stucco.
   10. Exterior insulation and finish system (EIFS).
   11. Glass.
   12. Concealed pipes, ducts, and conduits.

1.02 REFERENCE STANDARDS

A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency; current edition.

B. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2014.

C. ASTM D4442 - Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials; 2007.

D. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual; Current Edition, www.paintinfo.com.

E. SSPC-SP 1 - Solvent Cleaning; 2015.

F. SSPC-SP 2 - Hand Tool Cleaning; 1982 (Ed. 2004).

G. SSPC-SP 6 - Commercial Blast Cleaning; 2007.

1.03 SUBMITTALS

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

B. Product Data: Provide complete list of products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
   2. MPI product number (e.g. MPI #47).

3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
4. Manufacturer's installation instructions.

C. Samples: Submit three paper "draw down" samples, 8-1/2 by 11 inches in size, illustrating range of colors available for each finishing product specified.
1. Where sheen is specified, submit samples in only that sheen.

D. Manufacturer's Instructions: Indicate special surface preparation procedures.

E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
1. See Section 01 6000 - Product Requirements, for additional provisions.
2. Extra Paint and Finish Materials: 1 gallon of each color; from the same product run, store where directed.
3. Label each container with color in addition to the manufacturer's label.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.

B. Applicator Qualifications: Company specializing in performing the type of work specified with minimum five (5) years experience.

C. Provide field testing for adhesion per ASTM D4551 for paint applied to steel and galvanized steel surfaces in locations directed by Architect, quantity of 2 locations.

1.05 MOCK-UP

A. Locate where directed by Architect.

B. Mock-up may remain as part of the work.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.07 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Minimum Application Temperatures for Latex Paints: 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.

D. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

1.08 WARRANTY

A. See section 01 7800 for CLOSEOUT SUBMITTALS, for additoinal warranty requirements.

B. Manufacturers Requirements: Provide standard manufacturers warranty.

C. Installers Requirements: Provide guarentee that surface cleaning and preparation has been performed as specified and that product(s) specified have been used at specified application. Provide 5 year warranty for installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.

B. Paints:
   1. Base Manufacturer: Sherwin Williams.
   2. Behr Process Corporation: www.behr.com/#sle.
   3. PPG Paints: www.ppgpaints.com/#sle.
   4. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
   5. Sika Corporation. www.usa.sika.com.

2.02 PAINTS AND FINISHES - GENERAL

A. Paints and Finishes: Ready mixed, unless required to be a field-catalyzed paint.
   1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color.
   3. Supply each paint material in quantity required to complete entire project's work from a single production run.
   4. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

B. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect from the manufacturer's full line.

C. Colors: As indicated in Color Schedule.
   1. Extend colors to surface edges; colors may change at any edge as directed by Architect.

2.03 PAINT SYSTEMS - EXTERIOR

A. Paint E-OP - Exterior Surfaces to be Painted, Unless Otherwise Indicated: Including concrete, concrete masonry units, and fiber cement siding.
   1. Two top coats and one coat primer.
   2. Top Coat(s): Exterior Pigmented Elastomeric, Water Based 100% Acrylic Coating; Sika Throcoat - 250.
      a. Products:
         1) Sika Corporation; Sika Thorocoat - 250 (formerly MProtect C250).
         2) Substitutions: Section 01 6000 - Product Requirements.

B. Paint WE-OP-3L - Wood, Opaque, Latex, 3 Coat:
   1. One coat of latex primer sealer, all side of wood surfaces.
   2. On backside of concealed wood trim: One coat of latex primer sealer.
   3. Semi-gloss: Two coats of latex enamel.

C. Paint CE-OP-3L - Masonry/Concrete, Opaque, Latex, 3 Coat:
   1. One coat of block filler. Sherwin Williams Loxon Block Surfacer A24W200, coordinate requirements with coating manufacturer.
   2. Concrete and Masonry Coatings per Section 09 9723.

D. Paint GE-OP-3L - Exterior Gypsum Board and Exterior Plaster, Opaque, Latex, 3 Coat:
   1. One coat of latex primer sealer. Loxon Concrete & Masonry Primer Sealer, A24W8300
   2. Flat: Two coats of latex; A-100 Exterior Latex Flat, A6 Series.

E. Paint ME-OP-3A - Ferrous Metals, Unprimed, Acrylic, 3 Coat:
   1. One coat of acrylic primer. Sherwin Williams B66-310 Series
   2. Semi-gloss: Two coats of acrylic enamel; Sherwin Williams B66-650 Series.

F. Paint ME-OP-3B - Ferrous Metals, Unprimed, Acrylic, 2 Coat: Exposed Exterior Structural Steel
   1. Touch Up of manufacturer acrylic primer: As reccommended by Tnemec
   2. Semi-gloss: Two coats of HDP acrylic enamel; Tnemec Enduratone Series 1029.

G. Paint ME-OP-2A - Ferrous Metals, Primed, Acrylic, 2 Coat:
   1. Touch-up with rust-inhibitive primer recommended by top coat manufacturer.
   2. Semi-gloss: Two coats of acrylic enamel; Sherwin Williams B66-650 Series.

H. Paint MgE-OP-3A - Galvanized Metals, Acrylic, 3 Coat:
   1. One coat galvanize primer.
   2. Semi-gloss: Two coats of acrylic enamel; Sherwin Williams B66-650 Series.

I. Paint MgE-OP-3X - Exterior Metal Handrails & Door Frames, Acrylic, 3 Coat:
   1. One coat ProCryl Universal Primer B66-310 Series.
   2. Semi-gloss: Two coats of DTM acrylic enamel; Sherwin Williams B66-200 Series.

2.04 ACCESSORY MATERIALS

A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin application of paints and finishes until substrates have been properly prepared.

B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially effect proper application.

D. Test shop-applied primer for compatibility with subsequent cover materials.

E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
   1. Exterior Plaster and Stucco: 12 percent.
   2. Fiber Cement Siding: 12 percent.
   3. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
   4. Exterior Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to application.

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

C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces for finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete:
   1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.

G. Masonry:
   1. Remove efflorescence and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
   2. Prepare surface as recommended by top coat manufacturer.

H. Fiber Cement Siding: Remove dirt, dust and other foreign matter with a stiff fiber brush. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.

I. Exterior Gypsum Board: Fill minor defects with exterior filler compound. Spot prime defects after repair.

J. Exterior Plaster: Fill hairline cracks, small holes, and imperfections with exterior patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.

K. Galvanized Surfaces:
   1. Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
   2. Prepare surface according to SSPC-SP 2.

L. Ferrous Metal:
   1. Solvent clean according to SSPC-SP 1.
   2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
   3. Remove rust, loose mill scale, and other foreign substances using using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning". Protect from corrosion until coated.

M. Exterior Wood Surfaces to Receive Opaque Finish: Remove dust, grit, and foreign matter. Seal knots, pitch streaks, and sappy sections. Fill nail holes with tinted exterior calking compound after prime coat has been applied. Back prime concealed surfaces before installation.

N. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

B. Exterior Wood to Receive Opaque Finish: If final painting must be delayed more than 2 weeks after installation of woodwork, apply primer within 2 weeks and final coating within 4 weeks.

C. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

D. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

E. Apply each coat to uniform appearance.

F. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply additional coats until complete hide is achieved.

G. Sand wood and metal surfaces lightly between coats to achieve required finish.

H. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

I. Wood to Receive Transparent Finishes: Tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

J. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

A. Protect finishes until completion of project.

B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION

SECTION 10 4300
EMERGENCY AID SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Automated external defibrillators (AEDs).

B. Automated external defibrillator (AED) cabinets.

C. Accessories.

1.02 DEFINITIONS

A. Automated External Defibrillator (AED): A Food and Drug Administration (FDA)-approved portable device, which automatically analyzes the heart rhythm and recognizes the presence of ventricular fibrillation and/or tachycardia. If defibrillation is warranted, the AED automatically charges and prompts (visual and/or audio) the operator to deliver an electrical shock.

1.03 SUBMITTALS

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

B. Product Data: Provide AED operational features, color and finish, anchorage details, and installation instructions.

C. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.

D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.

E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

F. Maintenance Data: Include test schedules and recertification requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Automated External Defibrillators (AEDs):
   1. Stryker Corporation; HeartSine samaritan PAD 350P Defibrillator - PAD 350p: www.stryker.com/#sle.
   2. Substitutions: See Section 01 6000 - Product Requirements.

B. Emergency Aid Cabinets and Accessories:
   1. Activar Construction Products Group, Inc. - JL Industries; LifeStart 1400 Series AED Cabinet: www.activarcpg.com/#sle.
   2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 AUTOMATED EXTERNAL DEFIBRILLATORS (AEDS)

A. Automated External Defibrillators (AEDs) - General: FDA approval required.

2.03 EMERGENCY AID CABINETS

A. Type: Automated external defibrillator (AED).

B. Cabinet Construction: Non-fire-rated.
   1. Formed primed steel sheet; 0.036 inch thick base metal.

C. Cabinet Configuration: Recessed type.
   1. Trimless type.
   2. Provide cabinet enclosure with right angle inside corners and seams, and with formed perimeter trim and door stiles.

D. Door: 0.036 inch metal thickness, reinforced for flatness and rigidity with wire pull handle and nylon catch. Hinge door for 180 degree opening with two butt hinges.

E. Door Glazing: Tempered glass, clear, 1/8 inch thick, and set in resilient channel glazing gasket.

F. Cabinet Mounting Hardware: Appropriate to cabinet, with predrilled holes for placement of anchors.

G. Fabrication: Weld, fill, and grind components smooth.

H. Finish of Door Pull or Handle: Stainless steel.

I. Finish of Cabinet Interior: White powder coat.

2.04 ACCESSORIES

A. Theft Alarm: Battery operated audible and strobe light alarm, 10 second delay for disarming, activated by opening cabinet door. Alarm deactivated when door is closed.

B. Cabinet Door Signage: 'AED" decal, or vinyl self-adhering, prespaced black lettering and identifying graphic in accordance with authorities having jurisdiction (AHJ).

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Cabinet Lettering:
   1. Location: Face of door framing.

3.03 ADJUSTING AND CLEANING

A. Remove temporary protective coverings and strippable films, if any, as cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.

B. Adjust cabinet doors to operate smoothly without binding. Verify that alarms and integral locking devices operate properly.

C. On completion of cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.

D. Touch up marred finishes. Replace cabinets that cannot be restored to factory-finished appearance. Use materials and procedures recommended by cabinet manufacturer.

END OF SECTION

SECTION 10 4400
FIRE PROTECTION SPECIALTIES - REVISED

PART 1 GENERAL V.22

1.01 SECTION INCLUDES

A. Fire extinguishers.

B. Fire extinguisher cabinets.

C. Accessories.

1.02 REFERENCE STANDARDS

A. ASTM E814 - Standard Test Method for Fire Tests of Through-Penetration Fire Stops; 2013a.

B. FM (AG) - FM Approval Guide; Current Edition.

C. NFPA 10 - Standard for Portable Fire Extinguishers; 2013.

D. UL (DIR) - Online Certifications Directory; current listings at database.ul.com.

1.03 SUBMITTALS

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

B. Product Data: Provide extinguisher operational features.

C. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.

D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.

E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

F. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

1.04 FIELD CONDITIONS

A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Fire Extinguishers:
   1. Amerex: www.amerex-fire.com.
   2. Kidde, a unit of United Technologies Corp: www.kidde.com/#sle.
   3. Oval Brand Fire Products; Oval Dry Chemical Fire Extinguisher - Multipurpose ABC: www.ovalfireproducts.com/#sle.
   4. Potter-Roemer: www.potterroemer.com/#sle.
   5. Strike First Corporation of America: ABC-Seamless Steel Fire Extinguisher; www.strikefirstusa.com.
   6. Substitutions: See Section 01 6000 - Product Requirements.

B. Fire Extinguisher Cabinets and Accessories:
   1. BASIS OF DESIGN: AActivar Construction Products Group - JL Industries; Cavalier Series: www.activarcpg.com/#sle.
   2. Larsen's Manufacturing Co; Medallion Series: www.larsensmfg.com.
   3. Substitutions: See Section 01 6000 - Product Requirements.

2.02 FIRE EXTINGUISHERS

A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
   1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.
   2. Provide bi-lingual labels.

B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
   1. UL-rated 4-A:80-B:C
   2. Stored Pressure Operated: Deep Drawn.
   3. Class: A:B:C type.
   4. Size: 10 pound.
   5. Finish: Baked polyester powder coat, color as selected.
   6. Temperature range: Minus 65 degrees F to 120 degrees F.

2.03 FIRE EXTINGUISHER CABINETS

A. Fire Rating: Listed and labeled in accordance with ASTM E814 requirements for fire resistance rating of walls where being installed.

B. Cabinet Construction: Non-fire rated.
   1. Typical Unless Noted Otherwise: Formed steel; 0.036 inch thick base metal.
   2. ***Kitchen Area: Formed stainless steel sheet; 0.036 inch thick base metal.***

C. Fire Rated Cabinet Construction: One-hour fire rated. For installation in fire-rated partitions.

D. Cabinet Configuration: Semi-recessed type, coordinate with wall cavity depth. Typical throughout unless noted otherwise.
   1. Size to accommodate accessories.
   2. Trim: Flat rolled edge, with 1-1/2 inch wide face.
   3. Projection: 1-1/2" to 2-1/2".
   4. ***Projected Trim: At House, Hall 105 and Hallway 200, provide wood casing around cabinet. Refer to drawings for profile.***

E. ***Cabinet Configuration: Surface mounted type, coordinate with wall cavity depth. Typical in basement.***

F. Door: Solid (no glazing) 0.036 inch metal thickness, reinforced for flatness and rigidity with nylon catch. Hinge doors for 180 degree opening with continuous piano hinge.

G. Handle Type: Match pull.

H. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.

I. Finish of Cabinet Exterior Trim and Door: Brass ***@ Hall 105 and Hallway 200. Satin Chrome typical everywhere else.***

2.04 ACCESSORIES

A. Extinguisher Brackets: Formed steel, chrome-plated.

B. Extinguisher Theft Alarm: Battery operated alarm, 10 second delay for disarming, activated by opening cabinet door.

C. Lettering: FIRE EXTINGUISHER decal, or vinyl self-adhering, pre-spaced black lettering in accordance with authorities having jurisdiction (AHJ).

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Coordinate size of cabinets to ensure that the type and capacity of appliances and accessories indicated are accommodated.

C. Coordinate sizes and locations of fire protection cabinets with wall depths.

D. Verify rough openings for cabinet are correctly sized and located.

E. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions per NFPA and ADA standards.

B. Install cabinets plumb and level in wall openings, 24 inches from finished floor to inside bottom of cabinet. Mounting height as required by Authorities Having Jurisdiction for ADA Accessibility Guidelines from finished floor to the carrying handle.

C. Secure rigidly in place.

D. Place extinguishers in cabinets, unless otherwise indicated.

E. Position cabinet signage at wall, directly above cabinet and lettering on cabnet doors after painting is complete.

3.03 ADJUSTING AND CLEANING

A. Remove temporary protective coverings and strippable films, if any, as fire-protection cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.

B. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices and alarms operate properly.

C. On completion of fire-protection cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.

D. Touch up marred finishes, or replace fire-protection cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet and mounting bracket manufacturers.

E. Replace fire-protection cabinets that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

3.04 MAINTENANCE

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

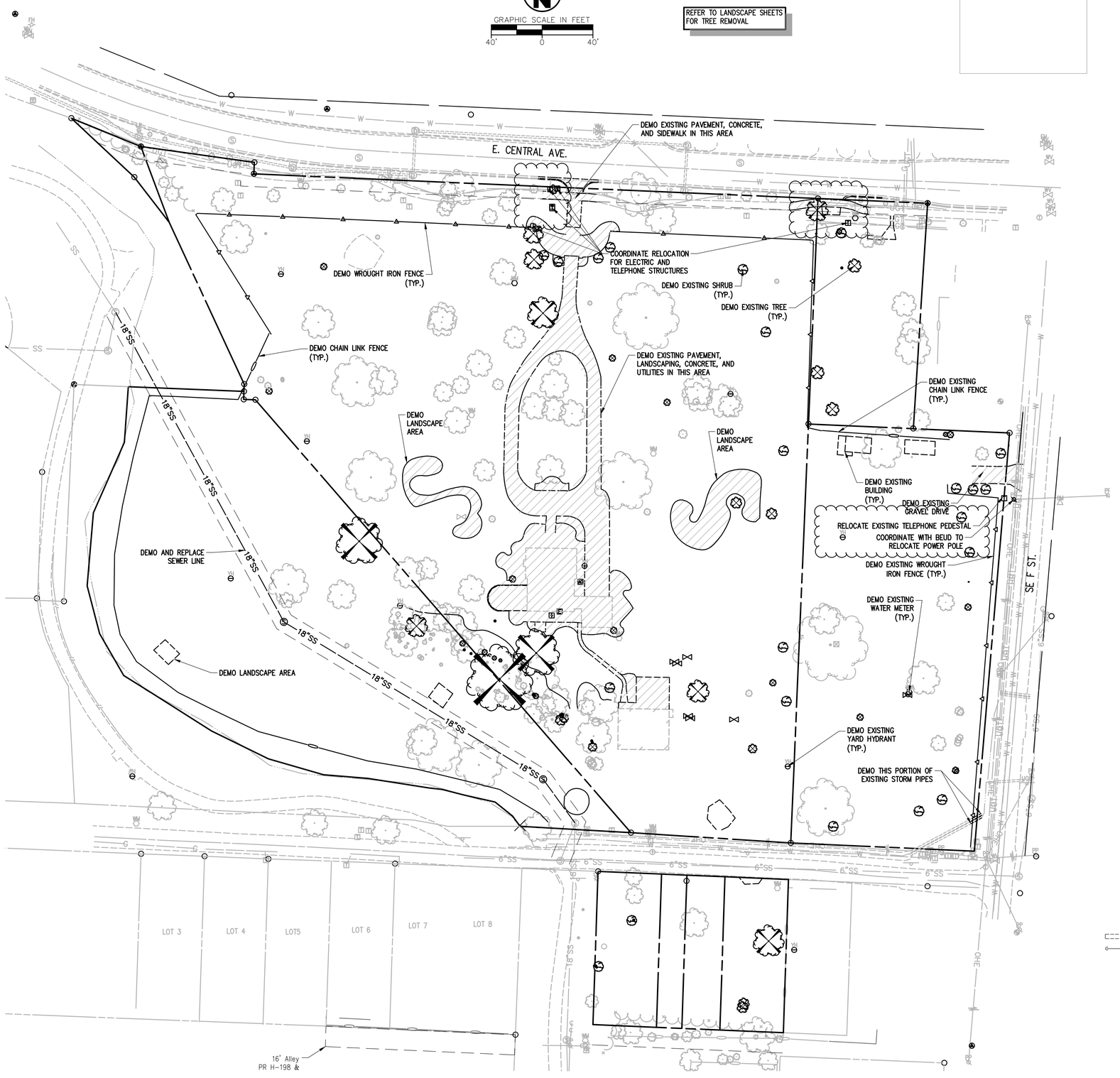
B. Provide a separate maintenance contract for specified maintenance service.

END OF SECTION

STAMP LOCATION

GRAPHIC SCALE IN FEET
40' 0 40'

REFER TO LANDSCAPE SHEETS FOR TREE REMOVAL



DEMOLITION NOTES

1. CONTRACTOR SHALL ABIDE BY ALL FEDERAL, STATE, AND LOCAL CODES FOR THE DEMOLITION AND DISPOSAL OF ALL MATERIALS.
2. CRAFTON, TULL AND ASSOCIATES, INC. SHALL NOT BE LIABLE FOR ANY DEMOLITION PROCEDURES, SCHEDULING, AND DISPOSAL OF ANY MATERIALS.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SURE THAT ADJACENT PROPERTY IS NOT DAMAGED AND IS ACCESSIBLE AT ALL TIMES, AND THAT CONSTRUCTION DOES NOT CREATE ANY HARDSHIP TO LAND OWNERS ADJACENT TO THE CONSTRUCTION SITE.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
5. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE DISCONNECTION, REMOVAL AND RELOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
6. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING EXISTING IRRIGATION SYSTEM IN THE AREAS OF SITE IMPROVEMENTS. THE CONTRACTOR SHALL CAP THE EXISTING IRRIGATION SYSTEM TO REMAIN SUCH THAT THE REMAINING SYSTEM SHALL CONTINUE TO FUNCTION PROPERLY.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING BUILDINGS PRIOR TO DEMOLITION OF THE BUILDINGS.
8. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES.
9. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDINGS.
10. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
11. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC.
12. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO DEMOLITION.
13. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
14. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE.
15. THE CONTRACTOR SHALL COORDINATE WATERMAIN WORK WITH THE FIRE DEPARTMENT AND THE CITY/COUNTY UTILITY DEPARTMENT TO PLAN WATERMAIN IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATERMAIN SHUT-OFFS WITH THE CITY/COUNTY DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATERMAIN SHUT-OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
16. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE. REPAIRS SHALL RESTORE DAMAGED ITEMS TO EQUAL OR BETTER THAN, EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ALL EXISTING DAMAGE AND NOTIFYING CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION START.
17. ALL TRENCHES AND/OR EXCAVATED AREAS SHALL BE FILLED/TESTED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT.
18. IF SEPTIC TANKS ARE FOUND PRESENT WITHIN THE LIMITS OF DISTURBANCE THEY SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.
19. IF THE CONTRACTOR FINDS ANY UNDERGROUND TANKS ON SITE THEY SHALL CONTACT THE ENGINEER IMMEDIATELY.
20. ALL WELLS SHALL BE CAPPED AND CLOSED IN ACCORDANCE WITH APPLICABLE STATE AND FEDERAL LAW.

LEGEND

SYMBOLS TO BE DEMOLISHED

- MAILBOX
- LIGHT POLE
- POWER POLE
- TELEPHONE PEDESTAL
- WATER VALVE
- WATER METER
- YARD HYDRANT
- TELEPHONE PEDESTAL
- MANHOLE
- ELECTRIC PEDESTAL
- TREE TO BE REMOVED
- SHRUB TO BE REMOVED

LINEWORK TO BE DEMOLISHED

- CURB
- UGE — UNDERGROUND ELECTRIC
- OHE — OVERHEAD ELECTRIC
- UGT — UGT — UNDERGROUND TELEPHONE
- W — W — WATERLINE
- CHAIN LINK FENCE
- WROUGHT IRON FENCE
- SS — SS — SANITARY SEWER LINE
- DEMOLISHED AREA

SYMBOLS TO REMAIN

- LIGHT POLE
- POWER POLE
- TELEPHONE PEDESTAL
- TV PEDESTAL
- MANHOLE
- SANITARY SEWER CLEANOUT
- GAS METER
- GAS VALVE
- YARD HYDRANT
- STORM SEWER PIPE
- DOWN GUY
- WATER VALVE
- FIRE HYDRANT ASSEMBLY
- AIR RELEASE VALVE
- FIRE DEPARTMENT CONNECTION
- WATER METER
- ELECTRIC PEDESTAL
- SHRUB
- TREE

LINEWORK TO REMAIN

- CURB
- SS — SS — SANITARY SEWER LINE
- G — G — GAS LINE
- W — W — WATER LINE (SPECIFY SIZE & TYPE)
- UGE — UNDERGROUND ELECTRIC
- OHE — OVERHEAD ELECTRIC
- CHAIN LINK FENCE
- WOOD FENCE
- x — x — BARBED WIRE FENCE

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ACOUSTICAL ENGINEERS
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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
	ADDENDUM 01	10/16/2026

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 BRETH N. JONES

10.16.2026

DRAWN BY

CHECKED BY

SHEET TITLE

DEMO PLAN

SHEET NUMBER

C-003

STAMP LOCATION



LEGEND (EXISTING SYMBOLS)

SYMBOLS	LINEWORK
FOUND IRON PIN	CURB
LIGHT POLE	RIGHT OF WAY
	ROAD CENTERLINE

LEGEND (CONSTRUCT)

SYMBOLS	LINEWORK
SET IRON PIN	CURB
LIGHT POLE	BUILDING SET BACK
	RIGHT OF WAY
	PROPERTY LINE
	ROAD CENTERLINE
	BLOCK LENGTH

GRAPHIC SCALE IN FEET
50' 0 50'

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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
	ADDENDUM 01	10/16/2026

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELIZABETH N. CRAFTON
10.16.2026

DRAWN BY

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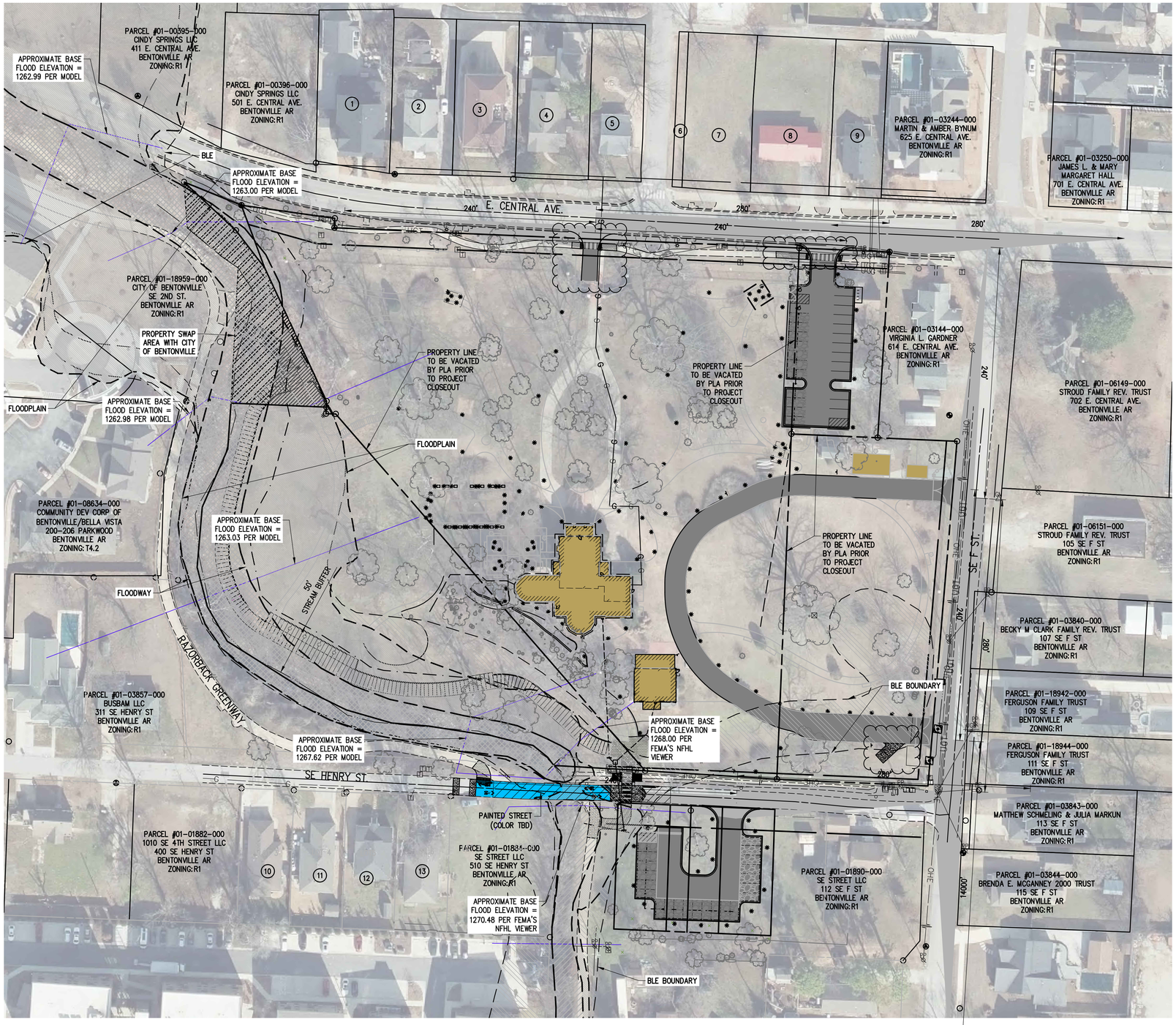
SHEET TITLE

LOT AND BLOCK PLAN (C)

SHEET NUMBER

C-004

STAMP LOCATION



1 PARCEL #01-00397-000
CLAY & CARRIE PORTER LIVING TRUST
503 E. CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

2 PARCEL #01-00379-000
AVALON ON CENTRAL LLC
505 E. CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

3 PARCEL #01-00380-000
MLC INC.
507 E. CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

4 PARCEL #01-00397-000
CLAY & CARRIE PORTER LIVING TRUST
509 E. CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

5 PARCEL #01-00385-000
BRENMAR PROPERTIES LLC
511 E. CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

6 PARCEL #01-03309-020
CITY OF BENTONVILLE
E. CENTRAL AVE
BENTONVILLE, AR

7 PARCEL #01-03241-000
AVIS A. BAILEY TRUST
CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

8 PARCEL #01-03242-000
SERENITY P LLC
611 CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

9 PARCEL #01-03243-000
SERENITY P LLC
613 CENTRAL AVE
BENTONVILLE, AR
ZONING: R1

10 PARCEL #01-01882-001
MARC MUND & MACARENA GARCIA
502 SE HENRY
BENTONVILLE, AR
ZONING: R1

11 PARCEL #01-01882-002
MICHAEL & LISA WAKEFIELD TRUST
504 SE HENRY
BENTONVILLE, AR
ZONING: R1

12 PARCEL #01-01883-000
RAMONA STEIN
506 SE HENRY
BENTONVILLE, AR
ZONING: R1

13 PARCEL #01-01883-001
JOSHUA JON & MERRIL POPE
508 SE HENRY
BENTONVILLE, AR
ZONING: R1

GRAPHIC SCALE IN FEET
50' 0 50'

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PROJECT TITLE

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BENTONVILLE, AR

PROJECT NUMBER: 31483

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	ADDENDUM 01	10/16/2026

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 22770
ELISABETH N. TOPPING
10.16.2026

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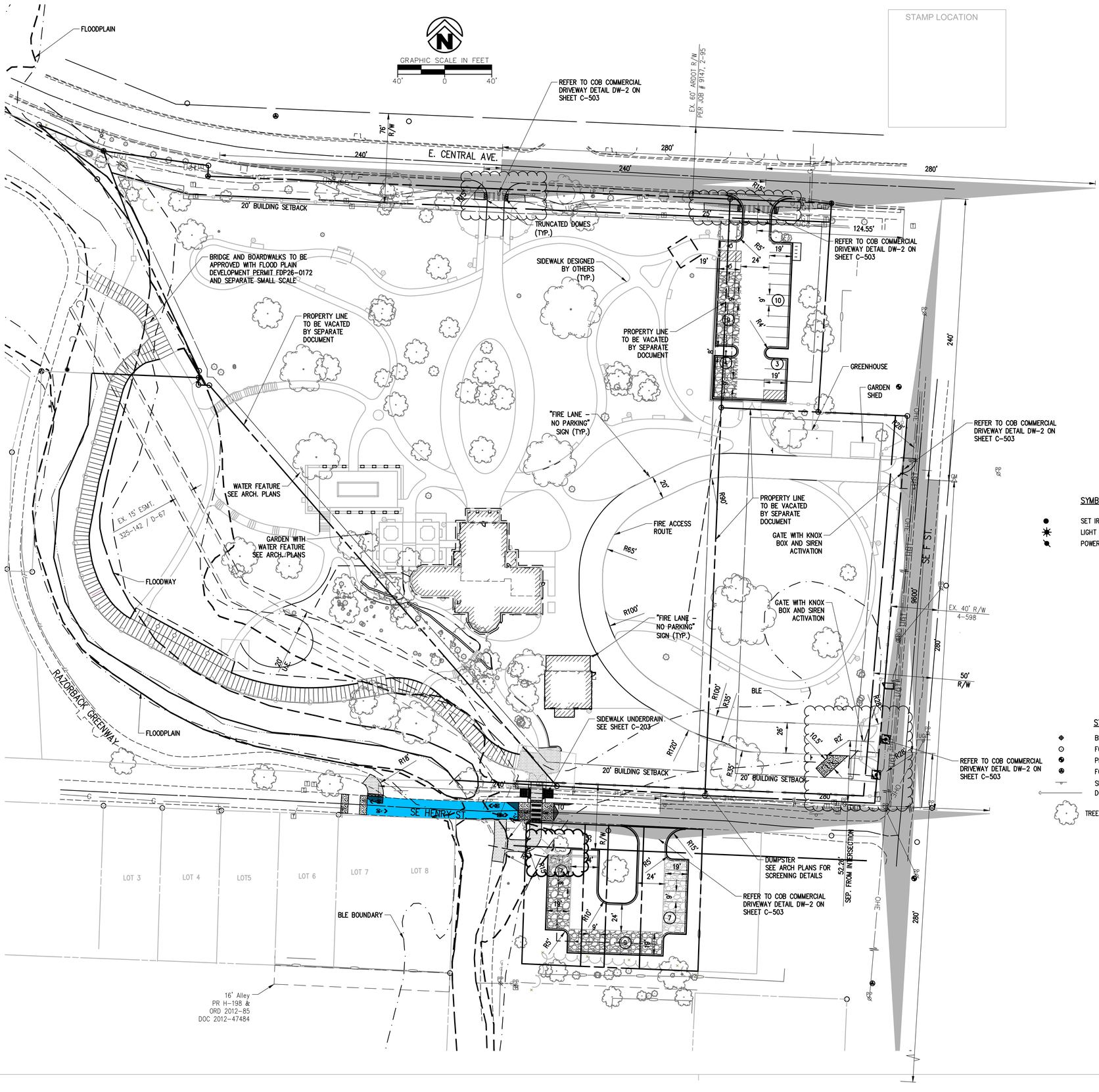
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SHEET TITLE

OVERALL SITE PLAN (C)

SHEET NUMBER

C-101



STAMP LOCATION

SITE NOTES

1. THE DESIGN, INSPECTION, AND CERTIFICATION OF ANY RETAINING WALL SHOWN OR REFERENCED HEREIN, INCLUDING BUT NOT LIMITED TO, SEGMENTAL RETAINING WALLS, MASS GRAVITY WALLS, GABION WALLS, ETC., GREATER THAN FORTY-EIGHT INCHES IN HEIGHT, SHALL BE BY OTHERS. ANY RETAINING WALL DATA SHOWN OR REFERENCED HEREIN SHALL BE FOR COORDINATION OF THE WALL LOCATION AND ELEVATIONS ONLY.
2. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY/STATE/FEDERAL REGULATIONS AND CODES AND OSHA STANDARDS.
3. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
4. ALL CURB DIMENSIONS AND RADII ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
5. ALL PAVEMENT MARKINGS DIMENSIONS FACE OF CURB UNLESS OTHERWISE NOTED.
6. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. ALL CURB/SIDEWALK/HANDICAP RAMP DESIGNS SHALL CONFORM TO ADA STANDARDS OR LOCAL RESTRICTIVE CODES, WHICHEVER IS MORE RESTRICTIVE.
8. CONTRACTOR SHALL ENSURE ALL NECESSARY PERMITS ARE OBTAINED PRIOR TO CONSTRUCTION START.
9. CONTRACTOR SHALL MATCH NEW CURB AND GUTTER, CONCRETE, AND PAVEMENT TO EXISTING IN GRADE AND ALIGNMENT.
10. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE.
11. CERTAIN SITE AMENITIES, INCLUDING BUT NOT LIMITED TO DUMPSTER ENCLOSURES, FENCES, GATES, MAIL KIOSKS, PLAYGROUNDS, RECREATIONAL, SOCIAL, AND GATHERING FEATURES, SHALL BE DESIGNED AND SPECIFIED BY OTHERS. DUMPSTER ENCLOSURES DETAILED DESIGN AND SPECIFICATIONS SHALL BE PROVIDED BY THE OWNER/PROJECT ARCHITECT AND SHALL MEET LOCAL JURISDICTION DESIGN STANDARDS AND SPECIFICATIONS, IF APPLICABLE, AND THE REQUIREMENTS OF THE PROJECT'S SERVICE PROVIDER. IF APPLICABLE, THE ARCHITECT SHALL PROVIDE, COORDINATE, AND SUBMIT DETAILS FOR THE DUMPSTER ENCLOSURE FOOTPRINT AND SITE PLACEMENT REQUIREMENTS TO CRAFTON TULL.
12. OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL NECESSARY WARNING AND LIFE SAFETY SIGNS AND DEVICES ASSOCIATED WITH THIS PROJECT.
13. NO KNOWN SIGNAGE AT THIS TIME. A SEPARATE SIGN PERMIT WILL BE REQUIRED.
14. PROPOSED BENCH WILL BE A MINIMUM OF 6' IN LENGTH AND BE A VICTOR STANLEY "CLASSIC" (MODEL# C-10) OR APPROVED EQUAL.
15. BIKE RACK DESIGN MUST FOLLOW RULES SET FORTH IN SECTION 50-503 (G)(3)(B).
16. THIS PROJECT IS IN BENTONVILLE MUNICIPAL AIRPORT ZONE C. NO STRUCTURE WILL BE CONSTRUCTED EXCEEDING 1,446' ABOVE SEA LEVEL AND NO USES WILL BE MADE OF LAND OR WATER TO VIOLATE THE USE RESTRICTIONS LISTED IN SEC. 401.12.
17. FOR ALL RIGHTS-OF-WAY OPEN TO VEHICULAR TRAFFIC, CONTRACTOR SHALL PROVIDE A PEDESTRIAN AND BICYCLE ACCESSIBLE ROUTE DURING ALL PHASES OF CONSTRUCTION.
18. ALL CROSSWALKS TO MEET CITY STANDARDS PER SEC. 800.06(B) (3) OF THE 2024 STREET SPECIFICATIONS.
19. ALL SIGN SUPPORTS WITHIN THE RIGHT OF WAY THAT WILL BE MAINTAINED BY THE CITY OF BENTONVILLE WILL NEED TO CONFORM TO THE MINIMUM REQUIREMENTS OF THE REGULATIONS LISTED IN SEC. 800.066(B)(S) OF THE 2024 STREET SPECIFICATIONS.

LEGEND (CONSTRUCT)

SYMBOLS	LINEWORK
SET IRON PIN	EASEMENT
LIGHT POLE	CURB
POWER POLE	CHAIN LINK FENCE
	WOOD FENCE
	MASONRY FENCE
	BUILDING SET BACK
	RIGHT OF WAY
	PROPERTY LINE
	ROAD CENTERLINE

LEGEND (EXISTING SYMBOLS)

SYMBOLS	LINEWORK
BENCHMARK	EASEMENT
FOUND IRON PIPE/REBAR	CURB
PRIMARY CONTROL/SET MONUMENT	CHAIN LINK FENCE
FOUND MONUMENT/ROW	WOOD FENCE
SIGN	WROUGHT IRON FENCE
DOWN GUY	RIGHT OF WAY
TREE	OVERHEAD ELECTRIC
	ROAD CENTERLINE
	FLOODWAY
	FLOODPLAIN
	BLE BOUNDARY

REQUIRED PARKING: 4 PER 1,000 SQ FT BUILDING AREA
TABLE 5.9 (CULTURAL USE)
6,094 / 1,000 = 6
6 * 4 = 24 REQUIRED STALLS

PROVIDED PARKING:
NORTH PARKING LOT
2 ADA PARKING STALLS
24 STANDARD PARKING STALLS
24+2=26 STANDARD PARKING STALLS
SOUTH (EMPLOYEE) PARKING LOT
23 STANDARD PARKING STALLS

23+26=49 TOTAL PARKING STALLS

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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
	ADDENDUM 01	10/16/2026

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELIZABETH N. TOMPKINS

10.16.2026

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SHEET TITLE

SITE PLAN

SHEET NUMBER

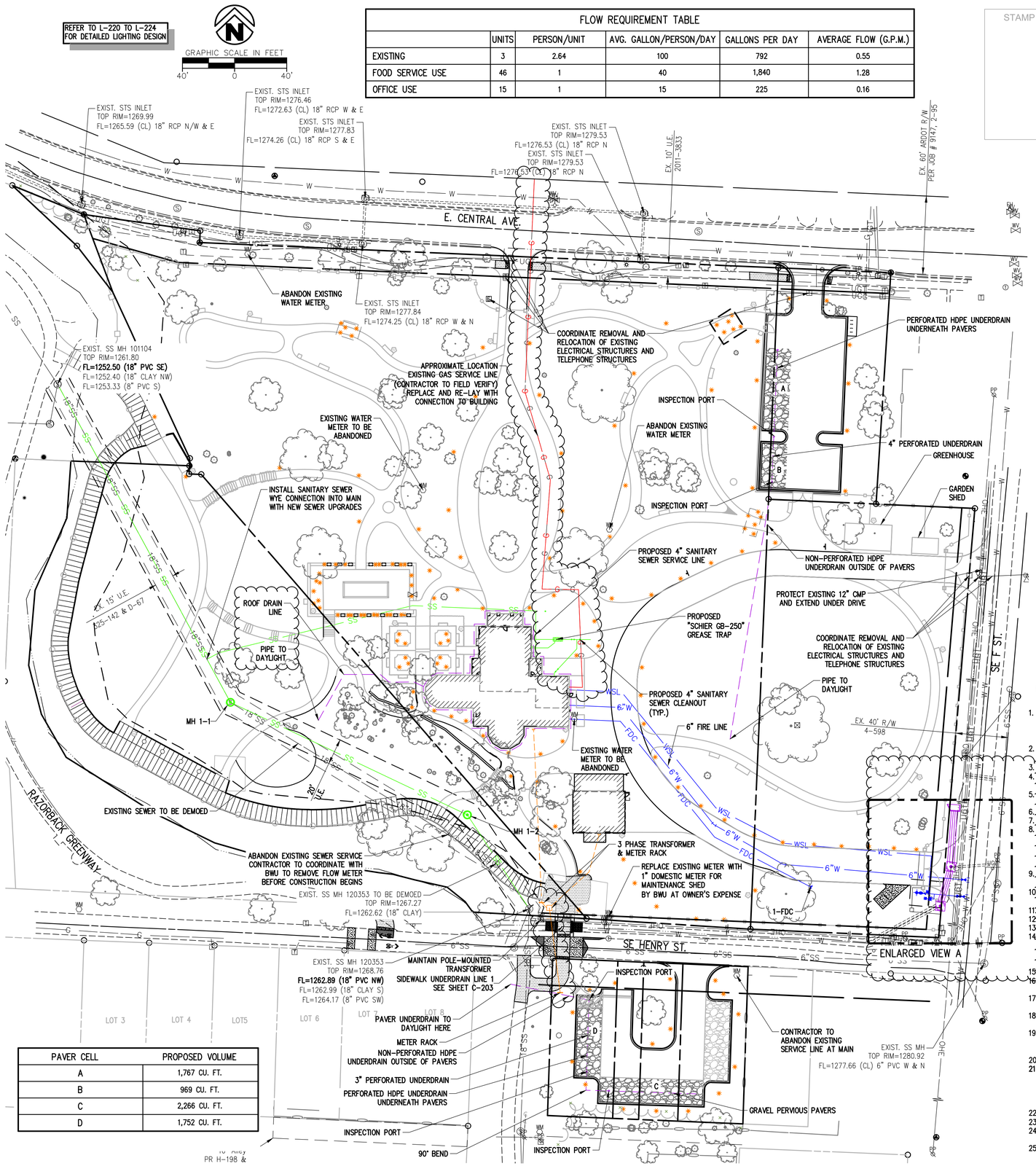
C-102

REFER TO L-220 TO L-224 FOR DETAILED LIGHTING DESIGN

GRAPHIC SCALE IN FEET
40' 0 40'

FLOW REQUIREMENT TABLE					
	UNITS	PERSON/UNIT	AVG. GALLON/PERSON/DAY	GALLONS PER DAY	AVERAGE FLOW (G.P.M.)
EXISTING	3	2.64	100	792	0.55
FOOD SERVICE USE	46	1	40	1,840	1.28
OFFICE USE	15	1	15	225	0.16

STAMP LOCATION



PAVER CELL	PROPOSED VOLUME
A	1,767 CU. FT.
B	969 CU. FT.
C	2,266 CU. FT.
D	1,752 CU. FT.

LEGEND (CONSTRUCT)

SYMBOLS	LINEWORK
SET IRON PIN	EASEMENT
LIGHT POLE	CURB
POWER POLE	SANITARY SEWER LINE
MANHOLE	GAS LINE
SANITARY SEWER CLEANOUT	WATER LINE
GAS METER	UNDERGROUND ELECTRIC
GAS VALVE	OVERHEAD ELECTRIC
STORM SEWER PIPE	CHAIN LINK FENCE
STRUCTURE NUMBER	WOOD FENCE
WATER VALVE	BUILDING SET BACK
FIRE HYDRANT ASSEMBLY (TEE, VALVE & FIRE HYDRANT)	RIGHT OF WAY
FIRE HYDRANT	PROPERTY LINE
FIRE DEPARTMENT CONNECTION	ROAD CENTERLINE
WATER METER	
BACK FLOW PREVENTER	
REDUCER	
RECTANGULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET)	
CIRCULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET)	

LEGEND (EXISTING SYMBOLS)

SYMBOLS	LINEWORK
BENCHMARK	EASEMENT
FOUND IRON PIPE/REBAR	CURB
PRIMARY CONTROL/SET MONUMENT	SANITARY SEWER LINE (SPECIFY SIZE & TYPE)
FOUND MONUMENT/ROW	GAS LINE
ELECTRIC BOX/PEDESTAL	WATER LINE (SPECIFY SIZE & TYPE)
ELECTRIC JUNCTION BOX	UNDERGROUND TELEPHONE
ELECTRIC METER	UNDERGROUND ELECTRIC
ELECTRIC TRANSFORMER	OVERHEAD ELECTRIC
FIRE HYDRANT	CHAIN LINK FENCE
POWER POLE	WOOD FENCE
SANITARY MANHOLE	BARBED WIRE FENCE
SIGN	RIGHT OF WAY
TELEPHONE PEDESTAL	ROAD CENTERLINE
WATER FAUCET	
WATER METER	
WATER VALVE	
DOWN GUY	
STORM SEWER MANHOLE	
STORM SEWER PIPE	
DROP/CURB INLET	GRATED INLET
SHRUB	TREE

UTILITY NOTES

1. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES WITHIN THE WORK ZONE.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING FACILITIES. CONTRACTOR SHALL COORDINATE AND SCHEDULE TIE-INS/CONNECTIONS WITH ALL UTILITY COMPANIES.
3. ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING.
4. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
5. GENERAL CONTRACTOR IS TO COORDINATE WITH APPROPRIATE UTILITY COMPANIES PRIOR TO CONSTRUCTION, ADJUSTMENT, OR RELOCATION OF EXISTING UTILITIES.
6. THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS.
7. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
8. MINIMUM HORIZONTAL SEPARATION BETWEEN THE OUTSIDE WALL OF THE WATERLINE AND THE OUTSIDE WALL OF THE SANITARY SEWER LINE OR SANITARY SEWER MANHOLE SHALL BE AT LEAST TEN FEET. WHERE WATERLINES CROSS SANITARY SEWERS THE WATERLINE SHALL BE PLACED ABOVE THE SEWER WITH A MINIMUM VERTICAL SEPARATION, OUTSIDE-TO-OUTSIDE, OF 18". IF IT IS NOT POSSIBLE TO CONFORM TO THESE DIMENSIONS OR DEFINED PLACEMENT, THE WATERLINE SHALL BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING.
9. THE CONTRACTOR SHALL INCLUDE IN THE BID PRICE ALL MATERIAL AND LABOR ASSOCIATED WITH THE TESTING OF THE WATER AND SEWER LINES REQUIRED BY THE LOCAL AND/OR STATE AGENCIES.
10. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH FINISHED PAVEMENT ELEVATIONS, AND MANHOLES IN UNPAVED AREAS TO BE 1" ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.
11. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL REGULATIONS.
12. REFER TO BUILDING PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
13. ALL MATERIALS, CONSTRUCTION, AND INSPECTION FOR WATER AND SANITARY SEWER LINES SHALL BE PER THE BWU 2026 SPECIFICATIONS.
14. THE CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND THE WATER COMPANY TO PLAN THE IMPROVEMENTS TO THE WATER MAINS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THE PROJECT. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING ANY REQUIRED WATER MAIN SHUT-OFFS WITH THE WATER COMPANY DURING CONSTRUCTION. ALL COSTS ASSOCIATED WITH MAINTAINING SHUT-OFFS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR; NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
15. DAMAGE TO ALL EXISTING FACILITIES DESIGNATED TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, AND EXACT UTILITY ENTRANCE LOCATIONS.
17. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED AS WELL AS COSTS OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.
18. GENERAL CONTRACTOR SHALL PROVIDE ALL CONDUITS AS SHOWN ON THE PLANS, VERIFY LOCATION OF UTILITY TIE-INS, AND PROVIDE NYLON PULL CORDS INSIDE THE CONDUIT.
19. THE CONTRACTOR SHALL INCLUDE IN BID PRICE THE DAILY RECORD KEEPING OF THE RECORD CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKE-OUT, PREPARATION OF THE NECESSARY/REQUIRED WATER AND SEWER RECORD DRAWINGS TO BE SUBMITTED, AND ALL OTHER INFORMATION REQUIRED FOR OBTAINING PERMITS AND RELEASE OF BONDS.
20. CONTRACTOR SHALL PROVIDE IN-DITCH AS-BUILT INFORMATION TO ENGINEER AS REQUIRED BY LOCAL UTILITY PROVIDERS
21. ENERGIZED ELECTRICAL LINE SAFETY, WARNINGS, AND ADVANCED NOTICES: ALL OWNERS, GENERAL CONTRACTORS, AND SUBCONTRACTORS ASSOCIATED WITH THIS PROJECT SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH, COMPLYING WITH, AND THE ENFORCEMENT OF ARKANSAS CODES AR ST § 11-5-307 AND § AR ST 11-5-308 AND ANY OTHER CURRENT STATE CODES PERTAINING TO ADVANCE NOTICE REQUIREMENTS AND FOR SAFETY OF ALL PERSONNEL, INCLUDING THE GENERAL PUBLIC, PERTAINING TO ANY WORK, MOVEMENT, AND ACTIVITY IN CLOSE PROXIMITY TO ANY ENERGIZED ELECTRICAL LINE.
22. CONTACT BEUD AT 479-271-3135 BEFORE PERFORMING ANY GRADING WITHIN 5' OF EXISTING OR PROPOSED POWER POLES.
23. BEUD DESIGN LAYOUT DRAWING TAKES PRECEDENCE OVER ANY ELECTRIC INFORMATION SHOWN ON THE SITE UTILITY PLAN.
24. ELECTRIC FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE ELECTRIC SPECIFICATIONS FOUND ON THE WEBSITE. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH THIS DOCUMENT.
25. CONDENSATE AND ANY UN-METERED WATER ARE ADDRESSED AS A PROHIBITED DISCHARGE AND IS NOT APPROVED TO DISCHARGE INTO THE BENTONVILLE SANITARY SEWER SYSETEM.

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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

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELISABETH N. TOPPING
10.16.2026

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SHEET TITLE

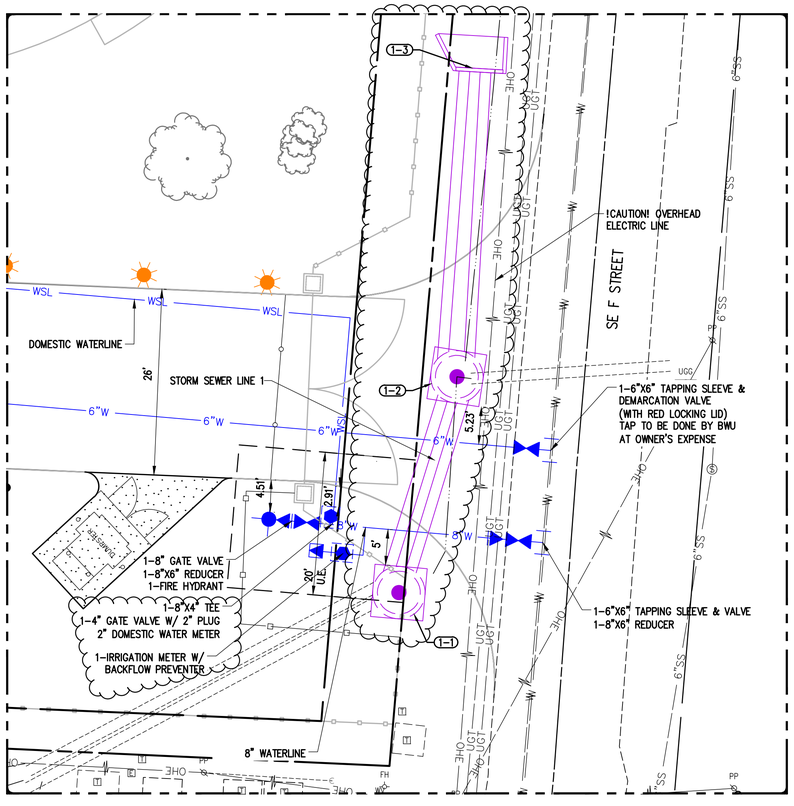
UTILITY PLAN (C)

SHEET NUMBER

C-103

REFER TO L-220 TO L-224
FOR DETAILED LIGHTING DESIGN

STAMP LOCATION



ENLARGED VIEW: A
1"=10'

Dirtworks
561 SEVENTH AVENUE FLOOR 11
NEW YORK, NY 10018
(212) 589 2263

WER ARCHITECTS
901 WEST THIRD STREET
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CONSULTANTS

CIVIL ENGINEERS
CRAFTON TULL & ASSOCIATES, INC.
901 N. 47TH STREET, SUITE 400
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MEP ENGINEERS
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KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 22770
ELISABETH N. TOPPING
10.16.2026

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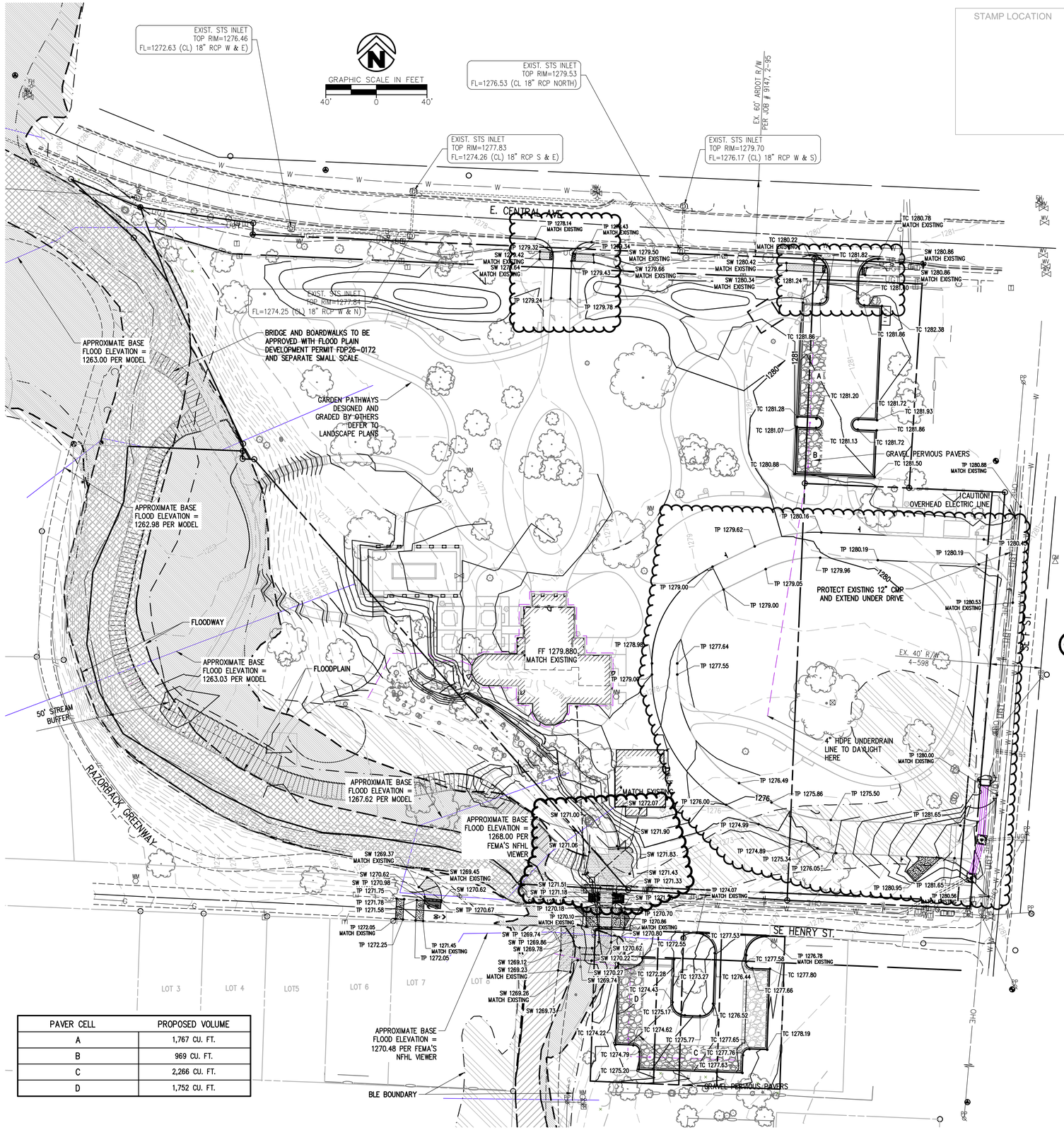
CHECKED BY

SHEET TITLE

UTILITY PLAN ENLARGED VIEW (C)

SHEET NUMBER

C-104



PAVER CELL	PROPOSED VOLUME
A	1,767 CU. FT.
B	969 CU. FT.
C	2,266 CU. FT.
D	1,752 CU. FT.

STAMP LOCATION

LEGEND (EXISTING SYMBOLS)

SYMBOLS

- BENCHMARK
- FOUND IRON PIPE/REBAR
- PRIMARY CONTROL/SET MONUMENT
- FOUND MONUMENT/ROW
- POWER POLE
- STORM SEWER MANHOLE
- STORM SEWER PIPE
- DROP/CURB INLET
- GRATED INLET
- TREE

LINEWORK

- EASEMENT
- CURB
- INTERMEDIATE CONTOUR
- INDEX CONTOUR
- CHAIN LINK FENCE
- WOOD FENCE
- BARBED WIRE FENCE
- RIGHT OF WAY
- ROAD CENTERLINE
- OVERHEAD ELECTRIC
- FLOODWAY
- FLOODPLAIN
- BLE BOUNDARY

LEGEND (CONSTRUCT)

SYMBOLS

- SET IRON PIN
- LIGHT POLE
- POWER POLE
- STORM SEWER PIPE
- STRUCTURE NUMBER
- RECTANGULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET)
- CIRCULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET)

LINEWORK

- EASEMENT
- CURB
- INTERMEDIATE CONTOUR
- INDEX CONTOUR
- BUILDING SET BACK
- RIGHT OF WAY
- PROPERTY LINE
- ROAD CENTERLINE

GRADING PLAN SPOT ELEVATIONS

BW	BOTTOM WALL
FG	FINISHED GRADE
FL	FLOW LINE
G	GUTTER
SW	SIDEWALK
TC	TOP CURB
TP	TOP PAVEMENT
TW	TOP WALL
	EXISTING GRADE

DEFER TO LANDSCAPE PLANS FOR DETAILED GRADING.

GRADING AND DRAINAGE NOTES

1. THE DESIGN, INSPECTION, AND CERTIFICATION OF ANY RETAINING WALL SHOWN OR REFERENCED HEREIN, INCLUDING BUT NOT LIMITED TO, SEGMENTAL RETAINING WALLS, MASS GRAVITY WALLS, GABION WALLS, ETC., GREATER THAN FORTY-EIGHT INCHES IN HEIGHT, SHALL BE BY OTHERS. ANY RETAINING WALL DATA SHOWN OR REFERENCED HEREIN SHALL BE FOR COORDINATION OF THE WALL LOCATION AND ELEVATIONS ONLY.
2. THE OWNER/CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING AND PROVIDING SEPARATE AND INDEPENDENT RETAINING WALL DESIGNS, INSPECTIONS, AND CERTIFICATIONS BY A REGISTERED PROFESSIONAL ENGINEER OTHER THAN CRAFTON TULL. THIS SHALL ALSO APPLY TO ANY ASSOCIATED AND NECESSARY PUBLIC SAFETY DEVICES INCLUDING, BUT NOT LIMITED TO, PEDESTRIAN SAFETY RAILS.
3. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES ON SITE OR IN RIGHT-OF-WAY. ALL UTILITIES MUST BE LOCATED PRIOR TO GRADING START.
4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS, GEO-TECHNICAL REPORT, OR LOCAL JURISDICTION, WHICHEVER IS MORE RESTRICTIVE..
5. ALL CUT OR FILL SLOPES SHALL BE A MAX 3:1 SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
6. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITION OR BETTER.
7. ALL STORM SEWER PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATERTIGHT. ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
8. ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY WHEN IN PAVED AND TRAFFIC AREAS.
9. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 1" ABOVE FINISH GRADE. LIDS SHALL BE LABELED PER JURISDICTIONAL SPECIFICATIONS.
10. SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT AND THE SWPPP FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
11. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL TO FINAL GRADE. REFER TO THE LANDSCAPE PLAN.
12. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON PLANS, CONTACT ENGINEER IMMEDIATELY.
13. THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS THROUGHOUT ALL PHASES OF CONSTRUCTION.
14. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
15. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH ARCHITECTURAL BUILDING PLANS, GEO-TECHNICAL REPORT AND SPECIFICATIONS.
16. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
17. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ENSURE A SMOOTH FIT AND CONTINUOUS GRADE.
18. CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM THE SITE.
19. IF WET AREAS ARE ENCOUNTERED ON-SITE THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR THE DESIGN AND PLACEMENT OF A FRENCH DRAIN SYSTEM.
20. CRAFTON, TULL & ASSOCIATES, INC. (CTA) HAS NOT NECESSARILY ESTABLISHED MINIMUM FINISH FLOOR ELEVATIONS FOR EACH INDIVIDUAL BUILDING OR LOT IN THIS SUBDIVISION. WHEN A MINIMUM BUILDING FLOOR ELEVATION IS NOT ESTABLISHED AND NOTED, THE ULTIMATE RESPONSIBILITY FOR THE PROPER GRADING OF EACH INDIVIDUAL LOT OR PARCEL SHALL REST WITH THE LOT'S OWNER. TYPICALLY, THE MINIMUM FINISH FIRST FLOOR ELEVATIONS SHOULD BE AT LEAST TWELVE INCHES (12") ABOVE THE FINISHED TOP OF STREET CURB ELEVATION ASSOCIATED WITH EACH INDIVIDUAL LOT OR PARCEL OR AS REQUIRED BY LOCAL AND STATE CODES.
21. ELIMINATE ALL CROSS LOT DRAINAGE.

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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

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELISABETH N. TOPPING

10.16.2026

DRAWN BY

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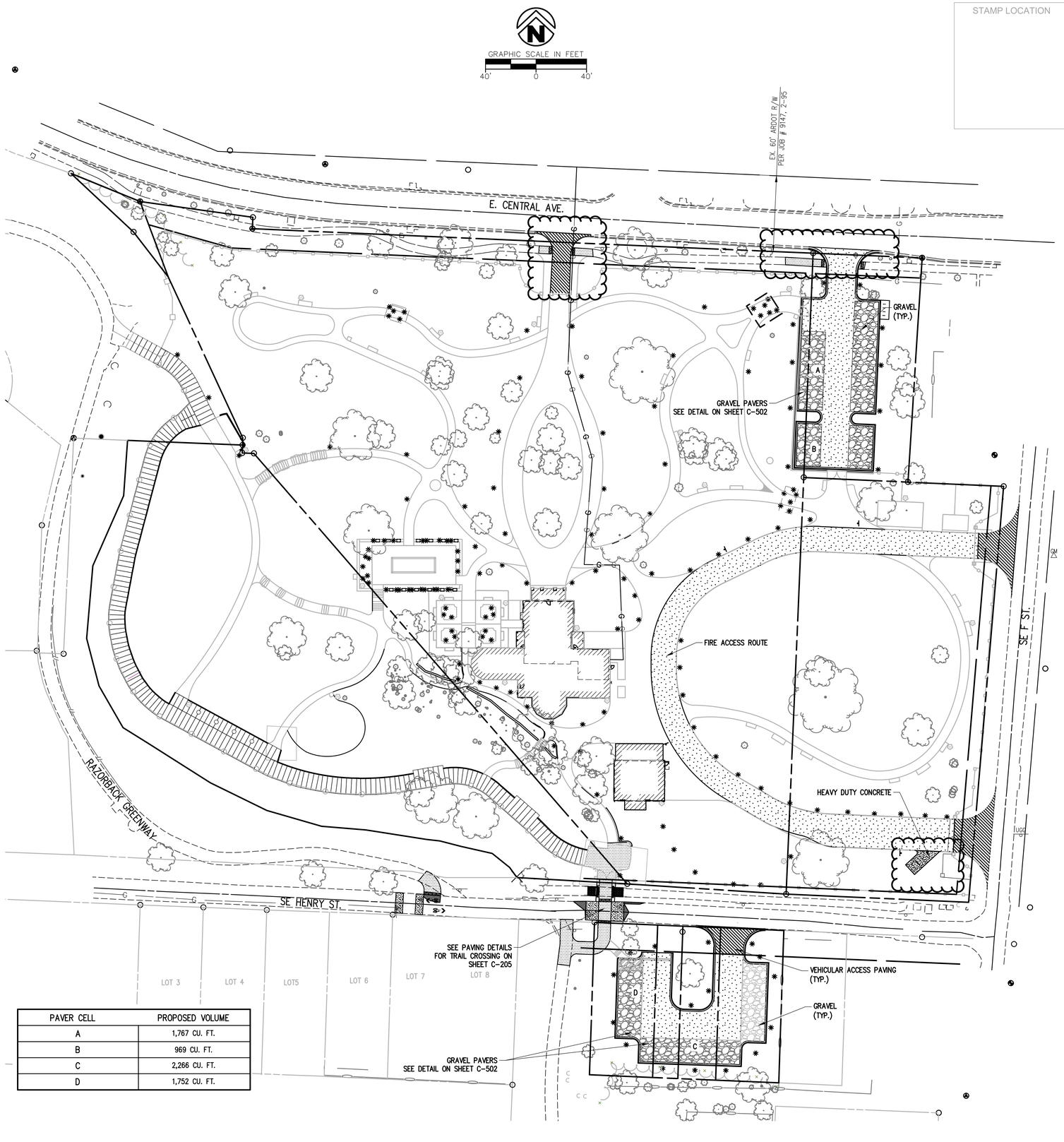
SHEET TITLE

GRADING PLAN

SHEET NUMBER

C-105

STAMP LOCATION



PAVER CELL	PROPOSED VOLUME
A	1,767 CU. FT.
B	969 CU. FT.
C	2,266 CU. FT.
D	1,752 CU. FT.

LEGEND (CONSTRUCT)

LINEWORK

CURB

BUILDING SET BACK

RIGHT OF WAY

PROPERTY LINE

ROAD CENTERLINE

GRAVEL

CONSTRUCT SIDEWALK

VEHICULAR ACCESS PAVING

REGULAR DUTY CONCRETE

HEAVY DUTY DRIVEWAY CONCRETE

HEAVY DUTY CONCRETE

LEGEND (EXISTING SYMBOLS)

LINEWORK

CURB

RIGHT OF WAY

ROAD CENTERLINE

REFER TO MATERIALS PLANS FOR PAVING AND LANDSCAPING NOT SHOWN ON THIS PLAN.

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SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELIZABETH N. JONES

10.16.2026

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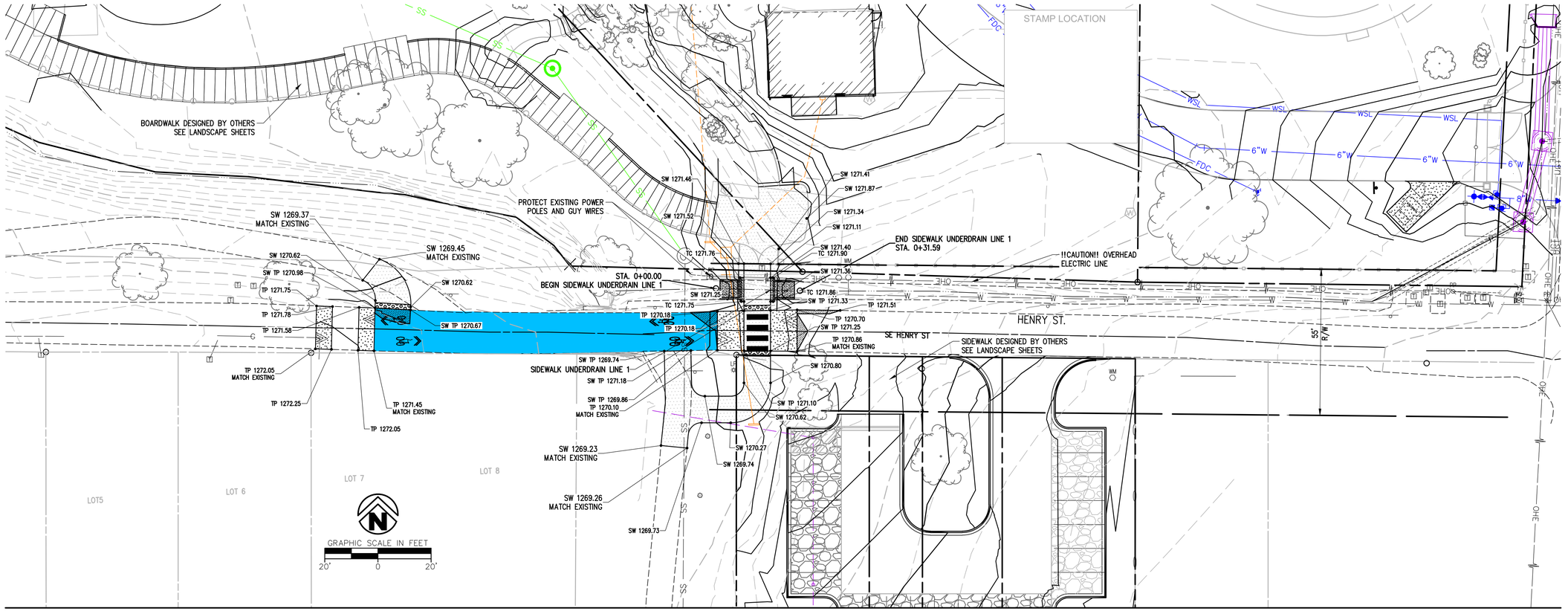
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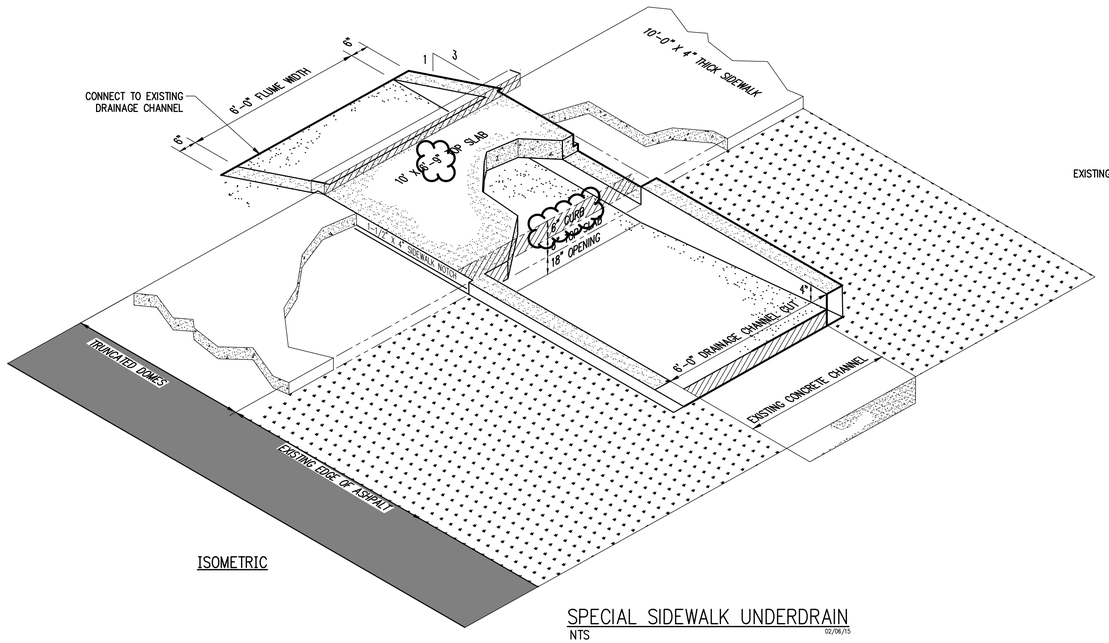
SHEET TITLE

PAVING PLAN

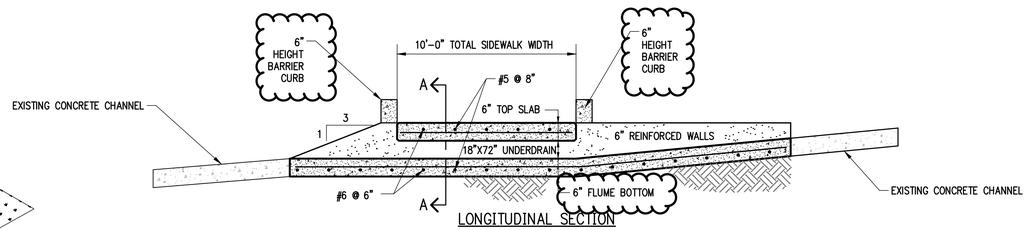
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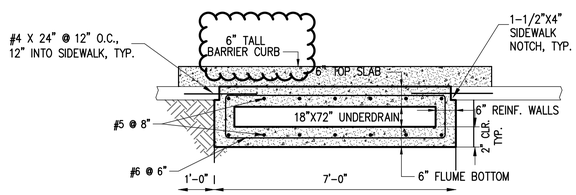
C-106

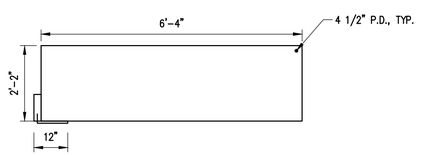




SPECIAL SIDEWALK UNDERDRAIN
NTS
02/06/15







NOTES:

1. UNDERDRAIN TOP SLAB MUST BE FLUSH ADJOINING SIDEWALK.
2. EXTEND #4 REBAR 12" INTO ADJACENT SIDEWALKS, TYP.

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KEY PLAN

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STATE OF ARKANSAS
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No. 22770
ELIZABETH N. TOPPING
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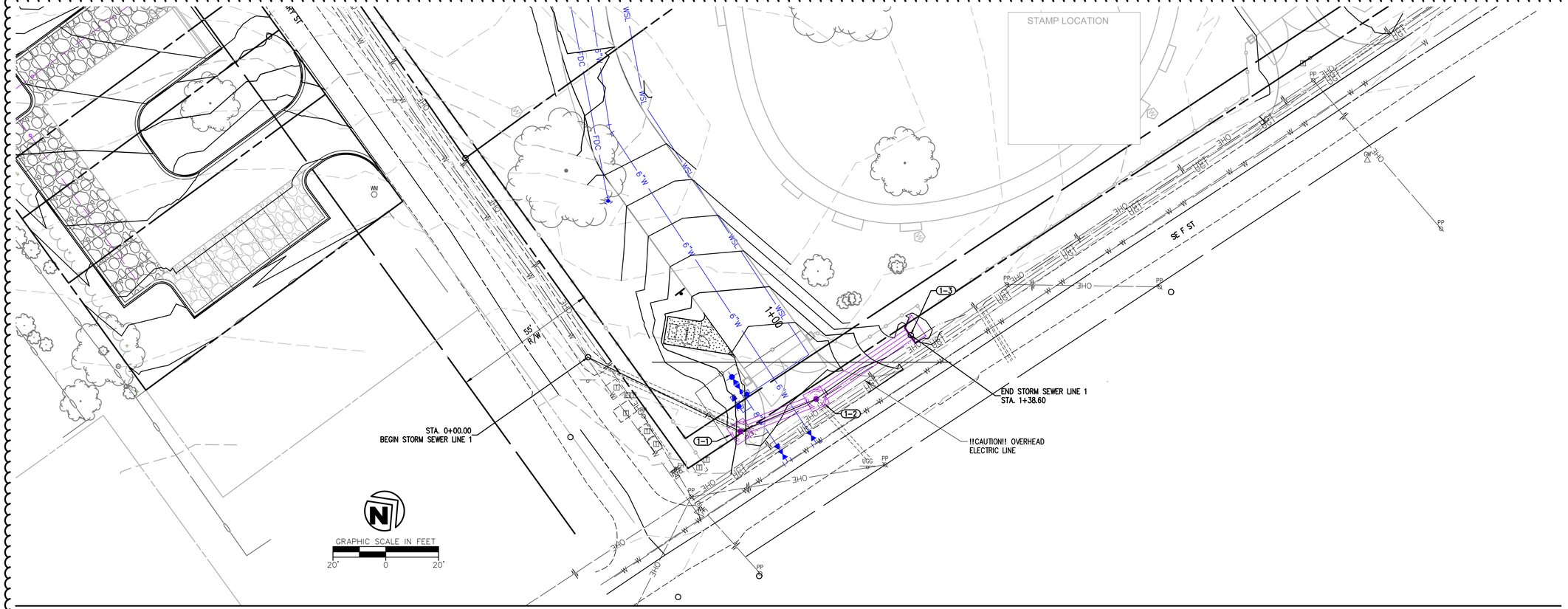
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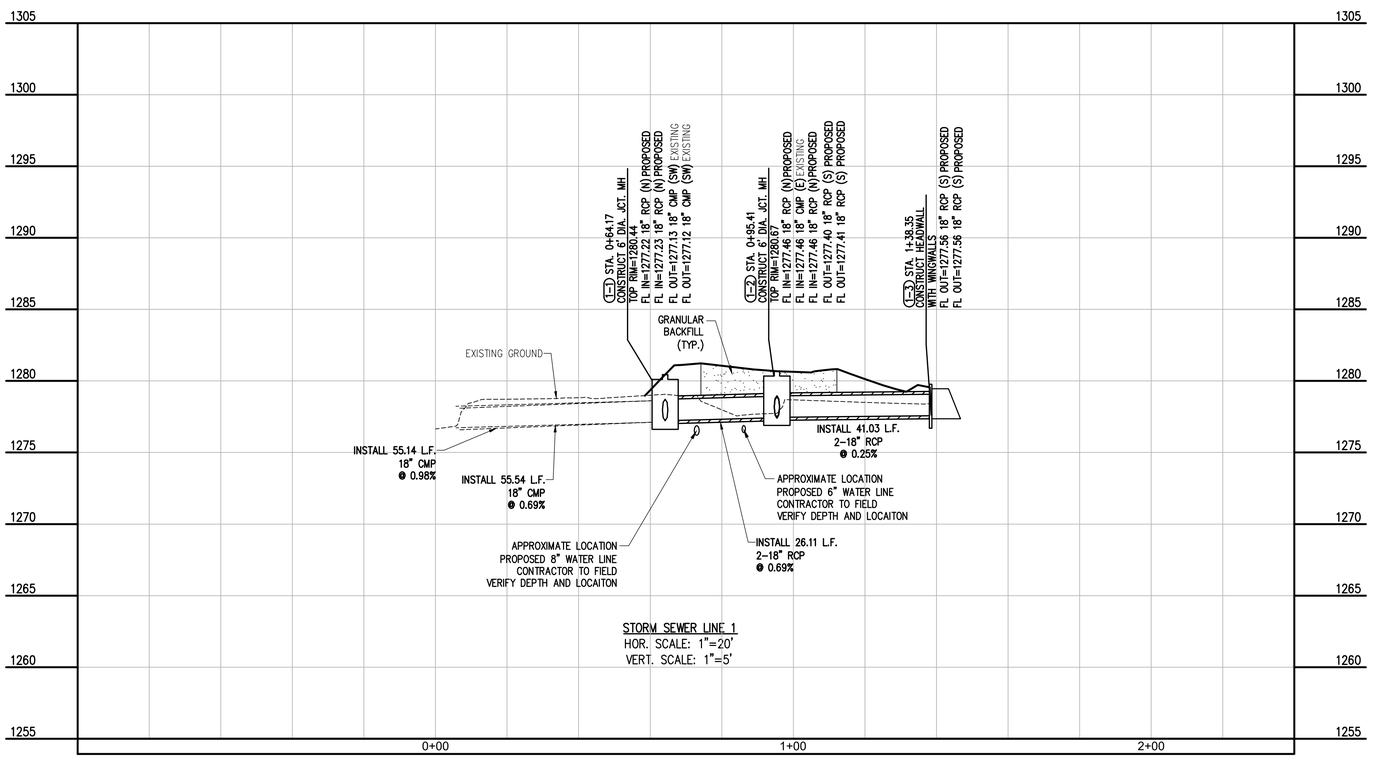
SHEET TITLE

SIDEWALK UNDERDRAIN DETAIL (C)

SHEET NUMBER

C-203





STORM SEWER LINE 1
HOR. SCALE: 1"=20'
VERT. SCALE: 1"=5'

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STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELIZABETH N. TOPPING
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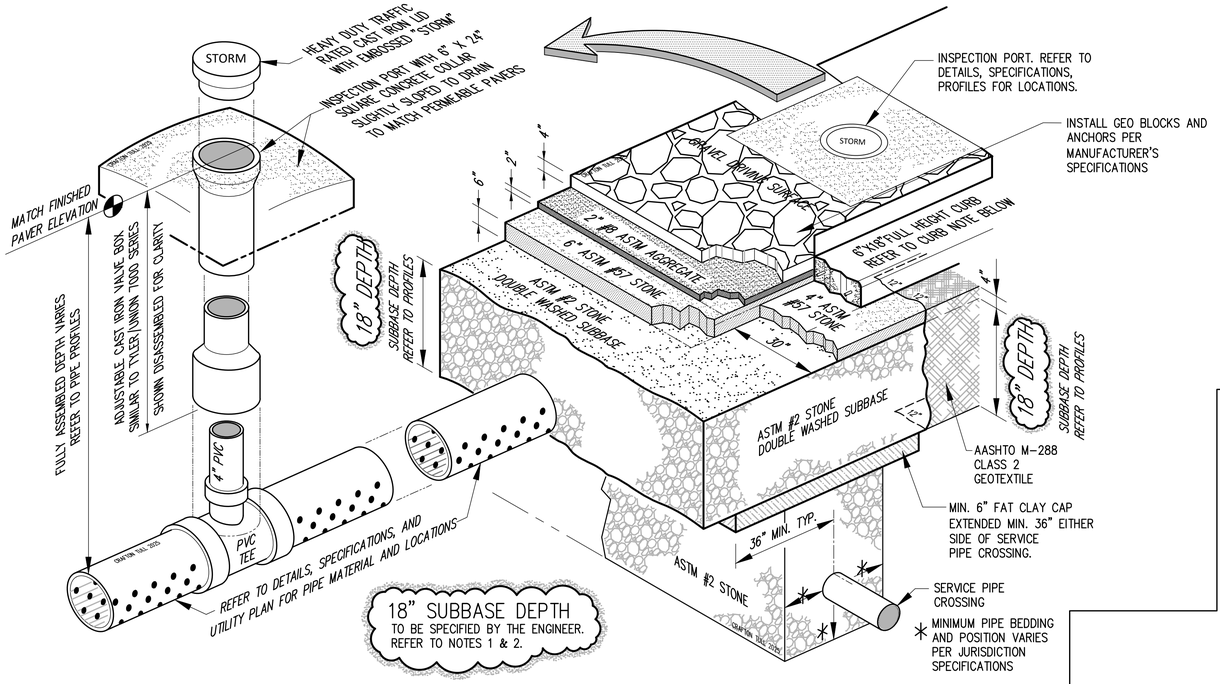
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SHEET TITLE

STORM SEWER LINE 1 P&P (C)

SHEET NUMBER

C-206



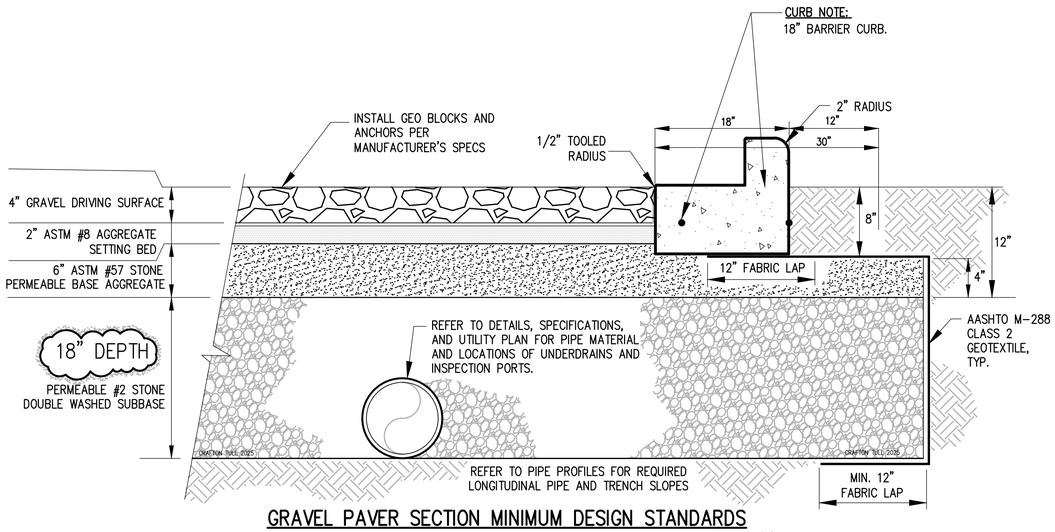
INSPECTION PORT MINIMUM DESIGN STANDARDS
NTS CRAFTON TULL 2/20/25 ML

GRAVEL PAVER MINIMUM DESIGN STANDARDS
NTS CRAFTON TULL 2/20/25 ML

SERVICE CROSSING MINIMUM DESIGN STANDARDS
NTS CRAFTON TULL 2/20/25 ML

SUBBASE NOTES:

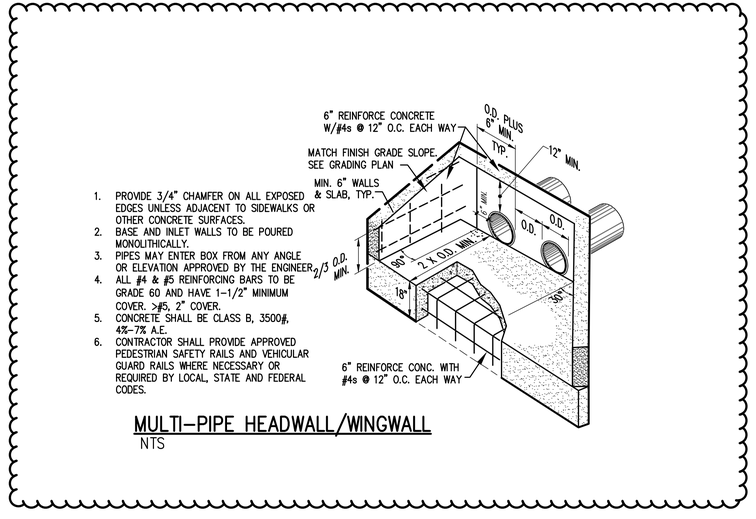
1. MINIMUM 18" OF #2 STONE RECOMMENDED FOR TYPICAL PAVEMENT LOADING. REFER TO PIPE PROFILES.
2. CLEAN B-STONE OR C-BALLAST CAN BE APPROVED BY THE ENGINEER AS A SUBBASE ALTERNATIVE.



GRAVEL PAVER SECTION MINIMUM DESIGN STANDARDS
NTS CRAFTON TULL 2/10/25 ML

18" SUBBASE DEPTH
TO BE SPECIFIED BY THE ENGINEER. REFER TO NOTES 1 & 2.

GRAVEL PAVER DESIGN STANDARDS
NTS CRAFTON TULL 2/20/25 ML



1. PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES UNLESS ADJACENT TO SIDEWALKS OR OTHER CONCRETE SURFACES.
2. BASE AND INLET WALLS TO BE POURED MONOLITHICALLY.
3. PIPES MAY ENTER BOX FROM ANY ANGLE OR ELEVATION APPROVED BY THE ENGINEER.
4. ALL #4 & #5 REINFORCING BARS TO BE GRADE 60 AND HAVE 1-1/2" MINIMUM COVER. >#5, 2" COVER.
5. CONCRETE SHALL BE CLASS B, 3500#, 4%-7% A.E.
6. CONTRACTOR SHALL PROVIDE APPROVED PEDESTRIAN SAFETY RAILS AND VEHICULAR GUARD RAILS WHERE NECESSARY OR REQUIRED BY LOCAL, STATE AND FEDERAL CODES.

MULTI-PIPE HEADWALL/WINGWALL
NTS

STAMP LOCATION

Dirtworks
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BENTONVILLE, AR

PROJECT NUMBER: 31483

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	ADDENDUM 01	10/16/2026

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22770 ELIZABETH N. TOPPING

10.16.2026

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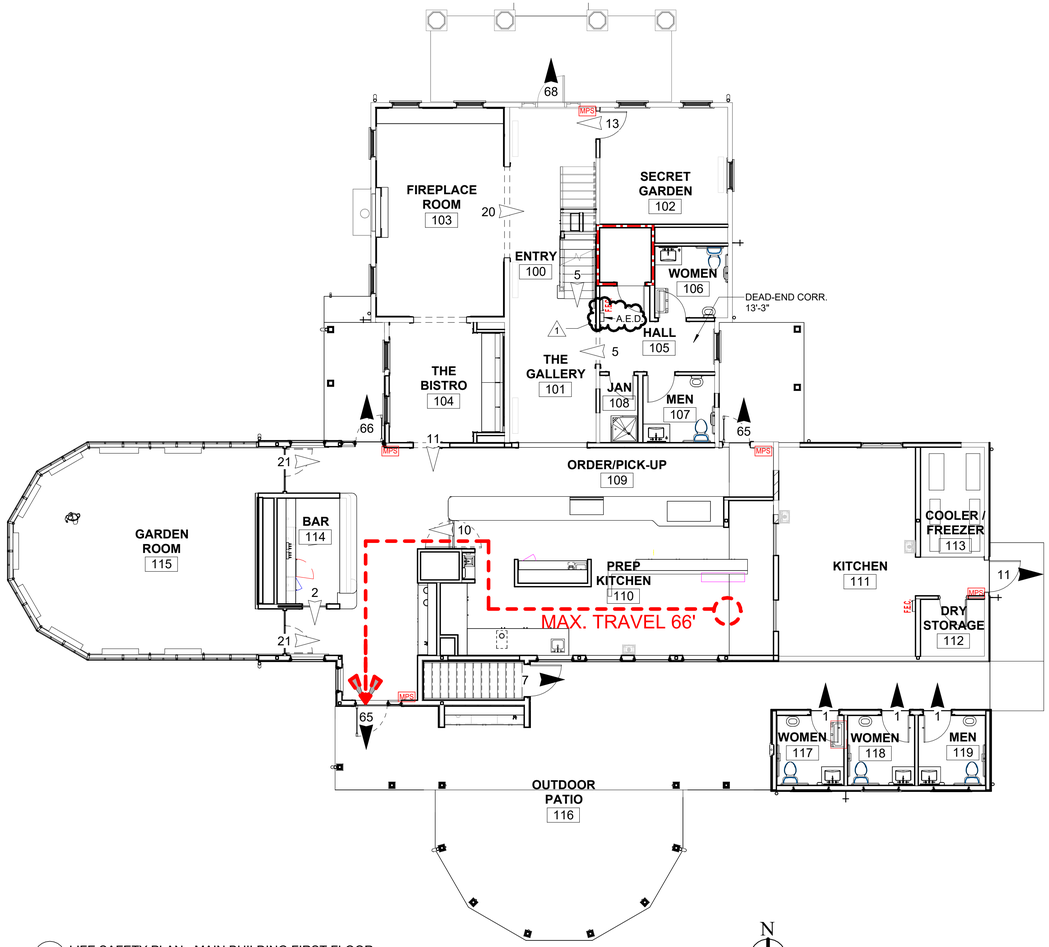
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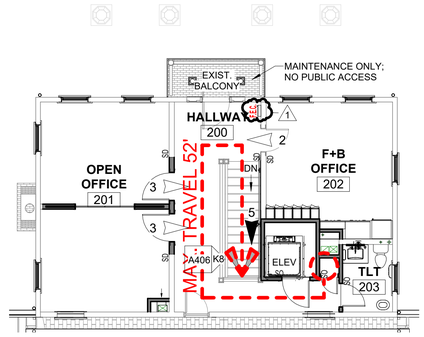
DRAINAGE DETAILS

SHEET NUMBER

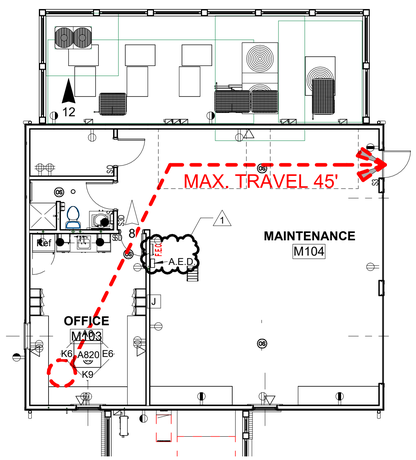
C-502



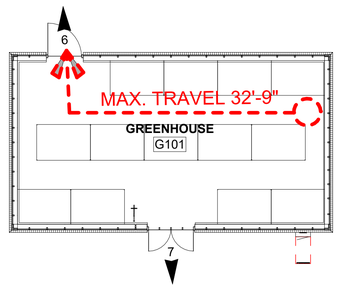
A8 LIFE SAFETY PLAN - MAIN BUILDING FIRST FLOOR
1/8" = 1'-0"



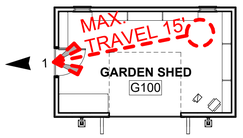
H8 LIFE SAFETY PLAN - MAIN BUILDING SECOND FLOOR
1/8" = 1'-0"



C14 LIFE SAFETY PLAN - MAINTENANCE BLDG
1/8" = 1'-0"



G14 LIFE SAFETY PLAN - GREENHOUSE
1/8" = 1'-0"



M14 LIFE SAFETY PLAN - GARDEN SHED
1/8" = 1'-0"

LIFE SAFETY LEGEND

- I HOUR WALL
- 2 HOUR WALL
- EXIT SIGN - HATCH INDICATES DIRECTION
- AED — AUTOMATED EXTERNAL DEFIBRILLATOR
- FEC — FIRE EXTINGUISHER CABINET
- FE — FIRE EXTINGUISHER
- FES — SPECIALTY FIRE EXTINGUISHER
- MPS — MANUAL PULL STATION
- 20 — OCCUPANTS
- 100 — EGRESS COMPONENT CAPACITY
- 100 — EXITING OCCUPANTS
- MAX TRAVEL DISTANCE
- MAX TRAVEL DISTANCE - FEC

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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
1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO. C-247 ARKANSAS 10/16/2026

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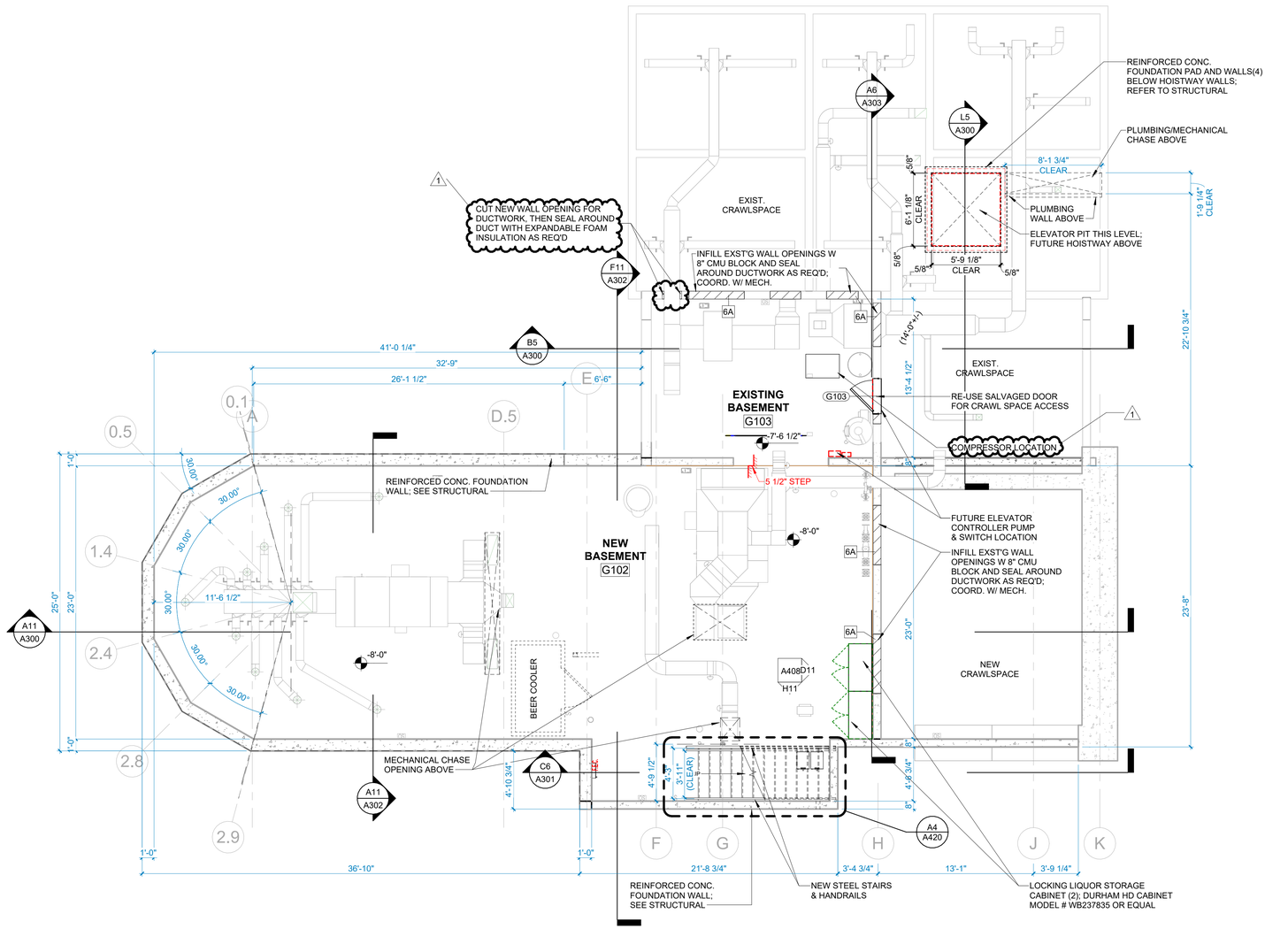
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SHEET TITLE

LIFE SAFETY ANALYSIS

SHEET NUMBER

G003



B10 BASEMENT FLOOR PLAN
3/16" = 1'-0"

N

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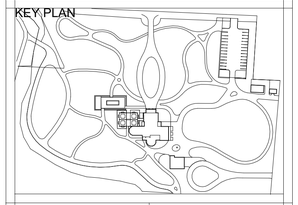
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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KEY PLAN



SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS HD CAW 10/16/2026 ARKANSAS

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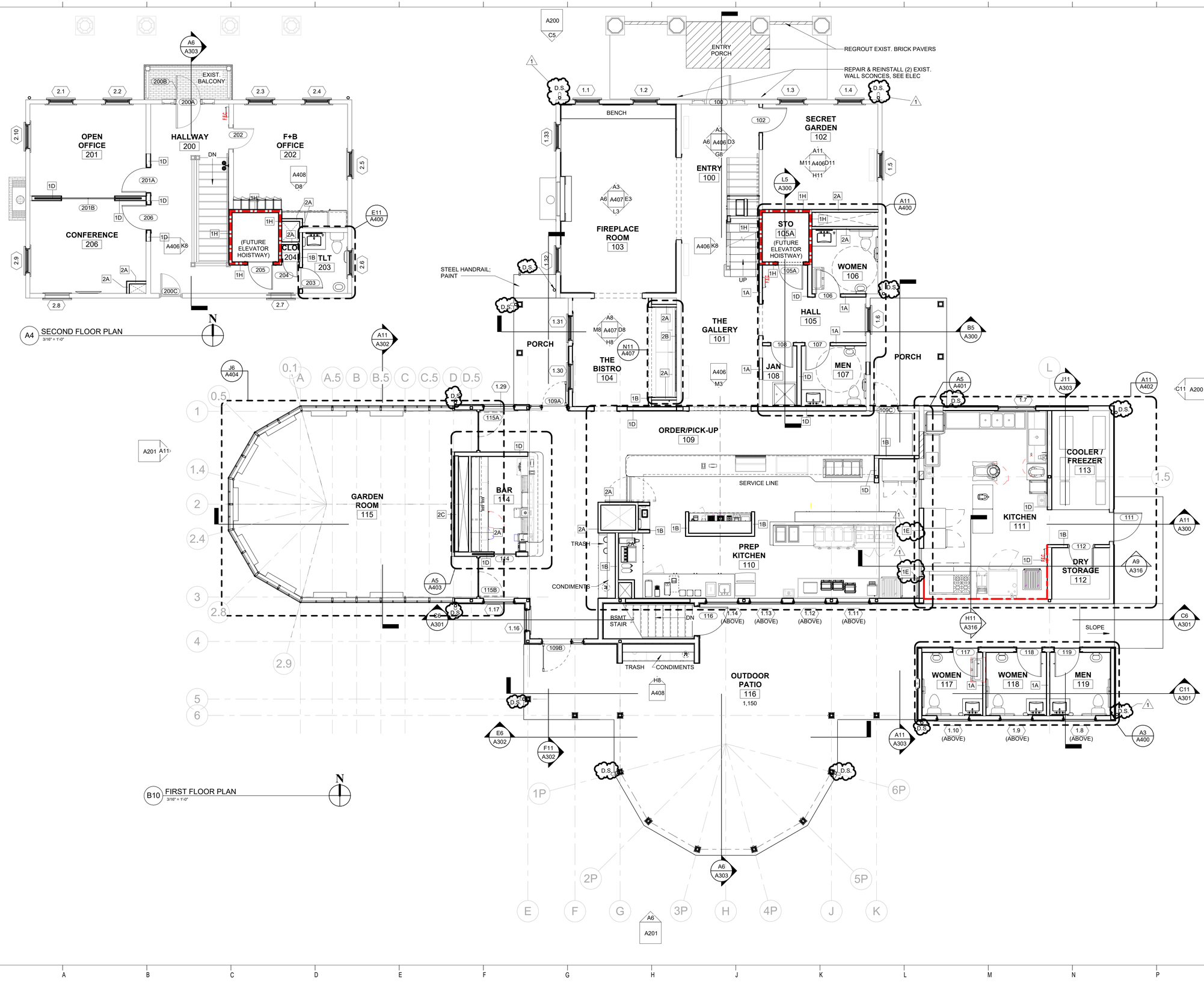
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SHEET TITLE

BASEMENT FLOOR PLAN

SHEET NUMBER

A100



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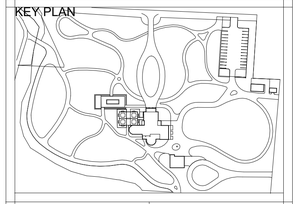
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BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
1	ADDENDUM #1	10/16/26

KEY PLAN



SIGN & SEAL

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

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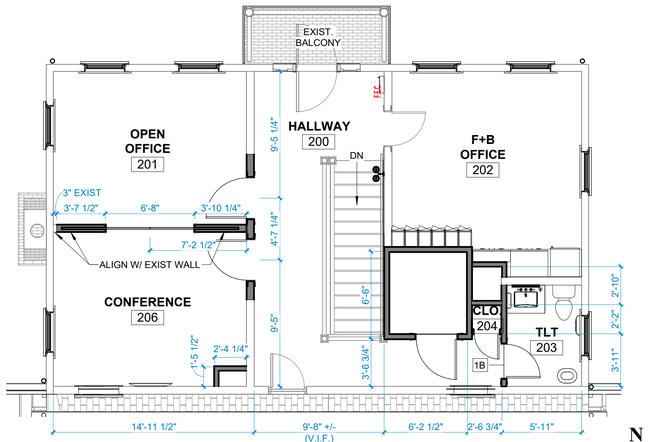
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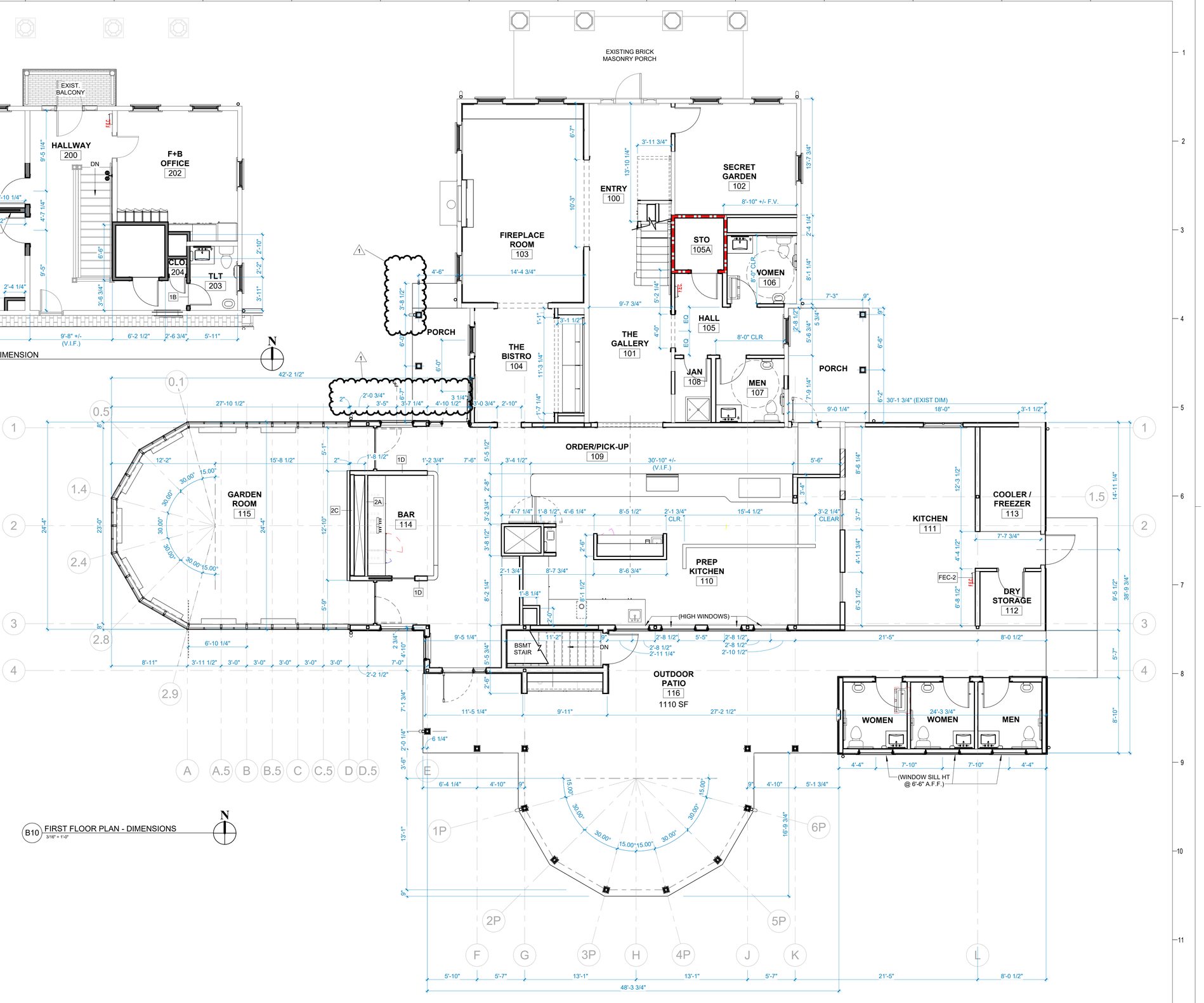
FIRST AND SECOND FLOOR PLANS

SHEET NUMBER

A101



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



B10 FIRST FLOOR PLAN - DIMENSIONS
3/16" = 1'-0"

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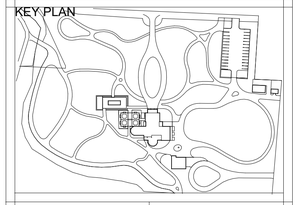
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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	FINAL CD's	10/2/2026
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KEY PLAN



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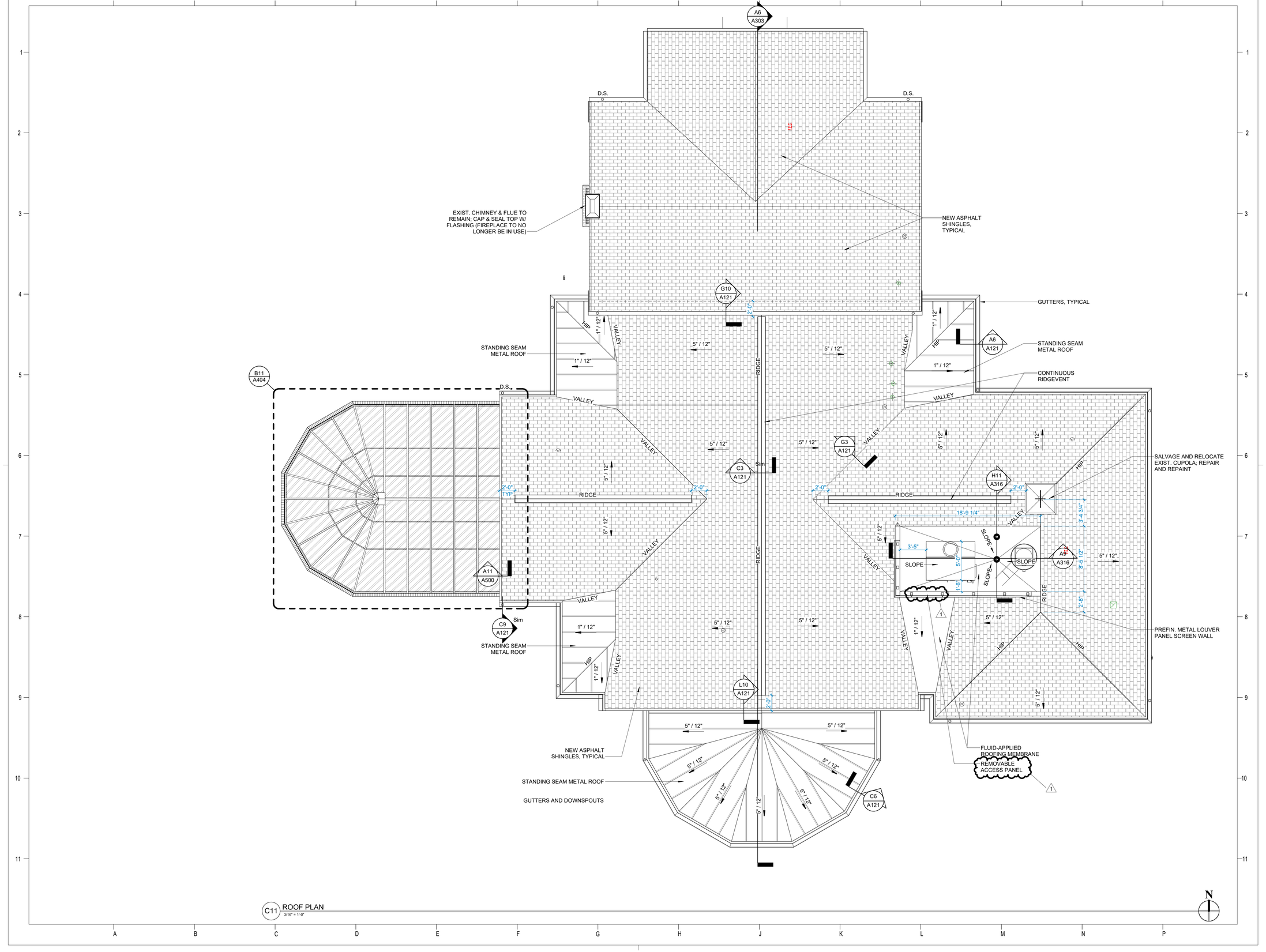
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SHEET TITLE

DIMENSION FLOOR PLANS

SHEET NUMBER

A102



C11 ROOF PLAN
3/16" = 1'-0"

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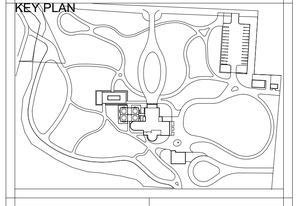
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN



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

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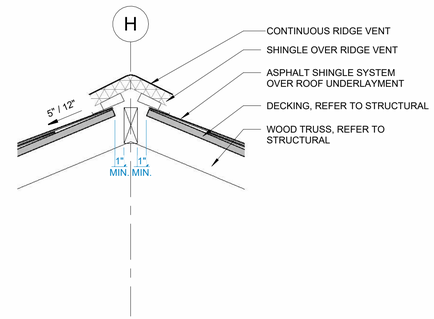
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SHEET TITLE

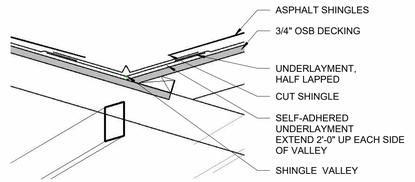
ROOF PLAN

SHEET NUMBER

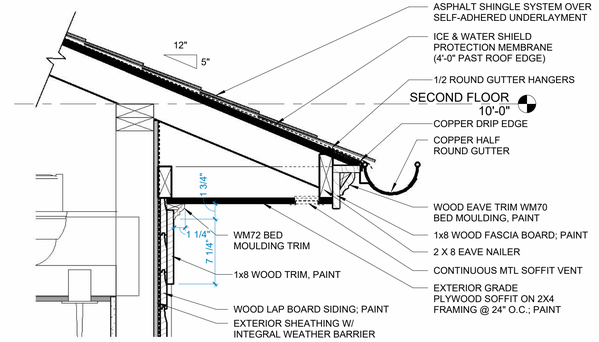
A120



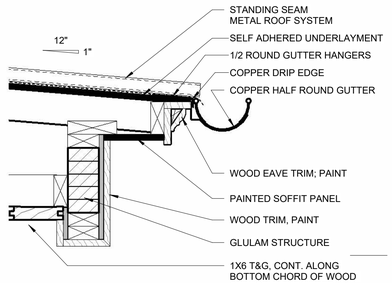
C3 SECTION @ RIDGE VENT - TYP
1 1/2" = 1'-0"



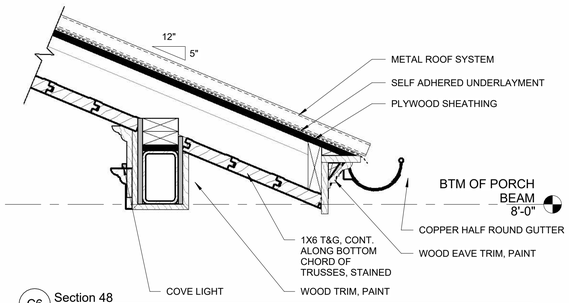
G3 SECTION @ VALLEY - TYP
1 1/2" = 1'-0"



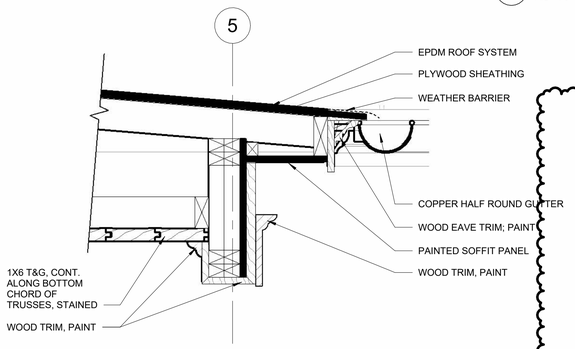
L3 SECTION DETAIL - SOFFIT / EAVE
1 1/2" = 1'-0"



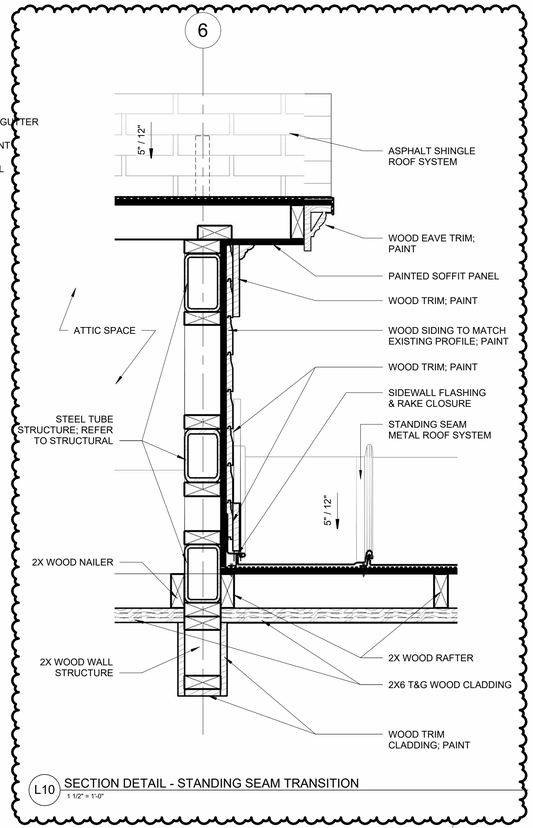
A6 SECTION DETAIL - PORCH EAVE
1 1/2" = 1'-0"



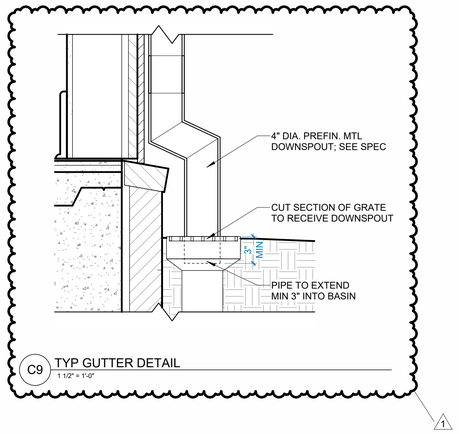
C6 Section 48
1 1/2" = 1'-0"



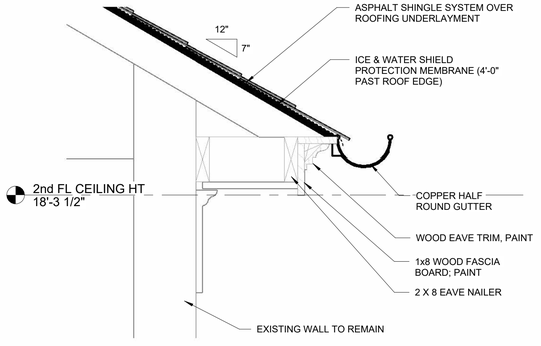
G6 SECTION DETAIL - LOW SLOPE EAVE @ OUTDOOR PATIO
1 1/2" = 1'-0"



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

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KEY PLAN

SIGN & SEAL

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

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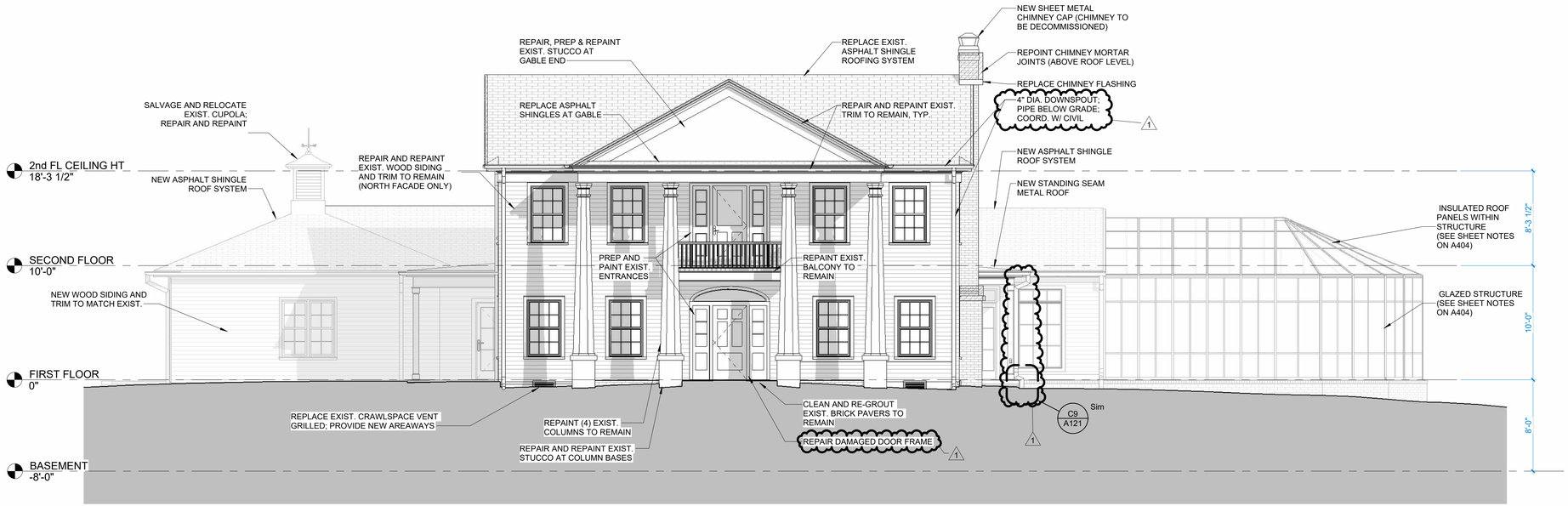
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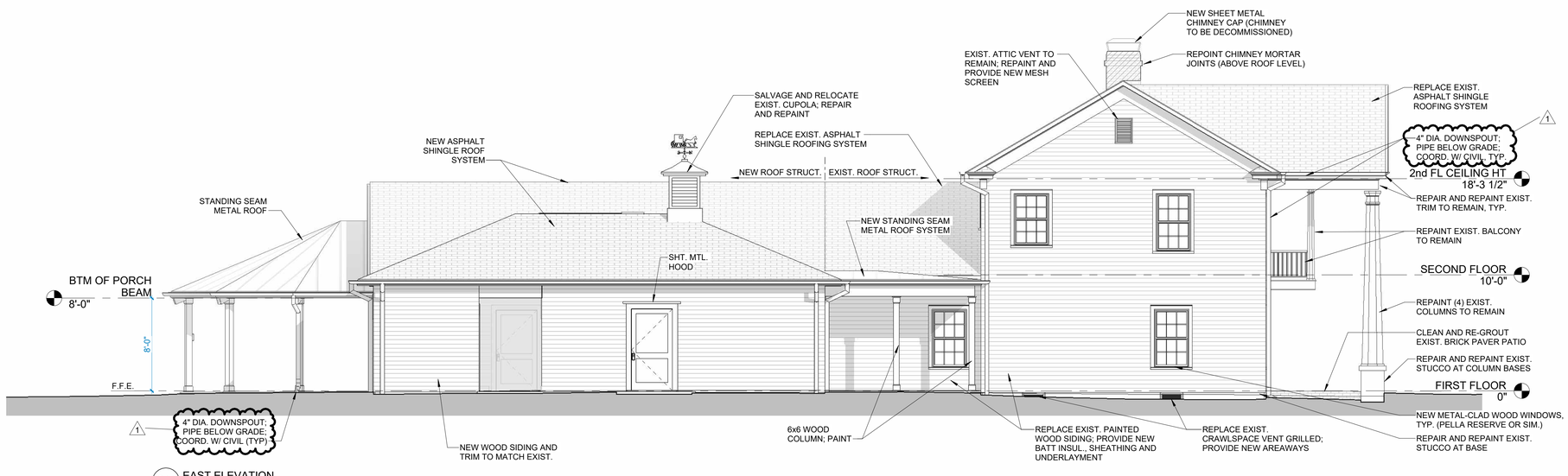
ROOF AND GUTTER DETAILS

SHEET NUMBER

A121



C5 NORTH ELEVATION
3/16" = 1'-0"



C11 EAST ELEVATION
3/16" = 1'-0"

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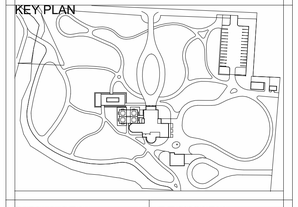
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN



SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-44 ARKANSAS

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SHEET TITLE

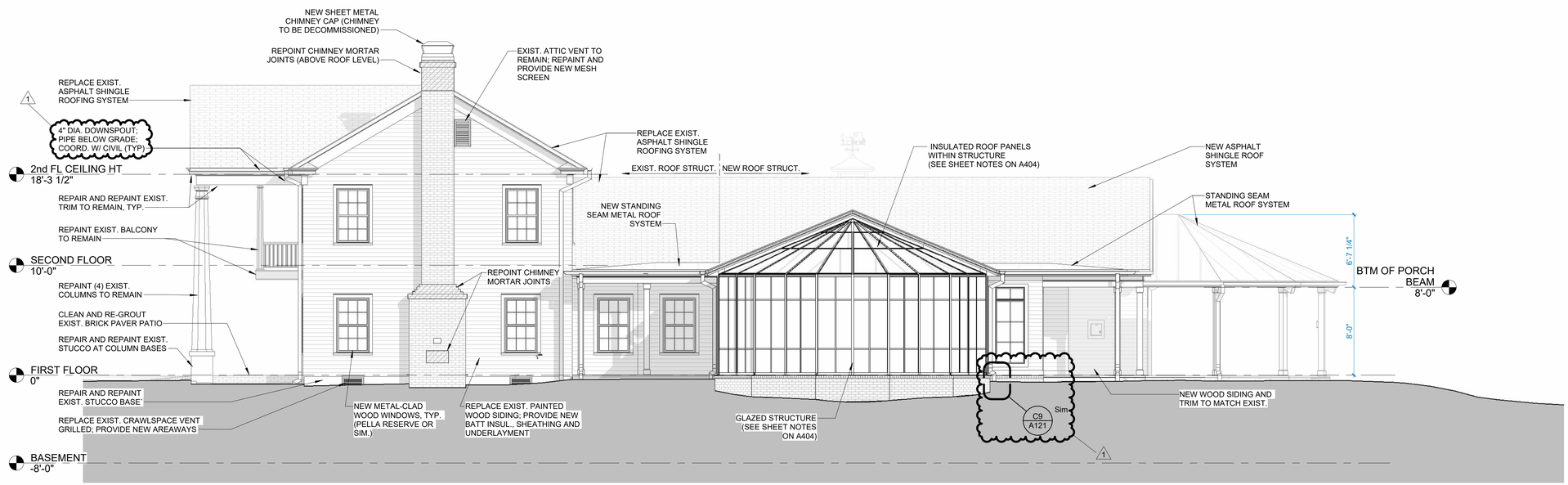
EXTERIOR ELEVATIONS

SHEET NUMBER

A200



A6 SOUTH ELEVATION
3/16" = 1'-0"



A11 WEST ELEVATION
3/16" = 1'-0"

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FT. SMITH, AR 72901
(479) 629 4572

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

PROJECT TITLE

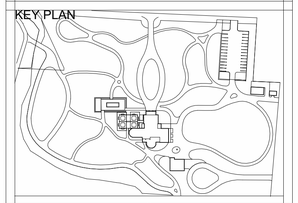
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
1	ADDENDUM #1	10/16/26

KEY PLAN



SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO 6149 ARKANSAS

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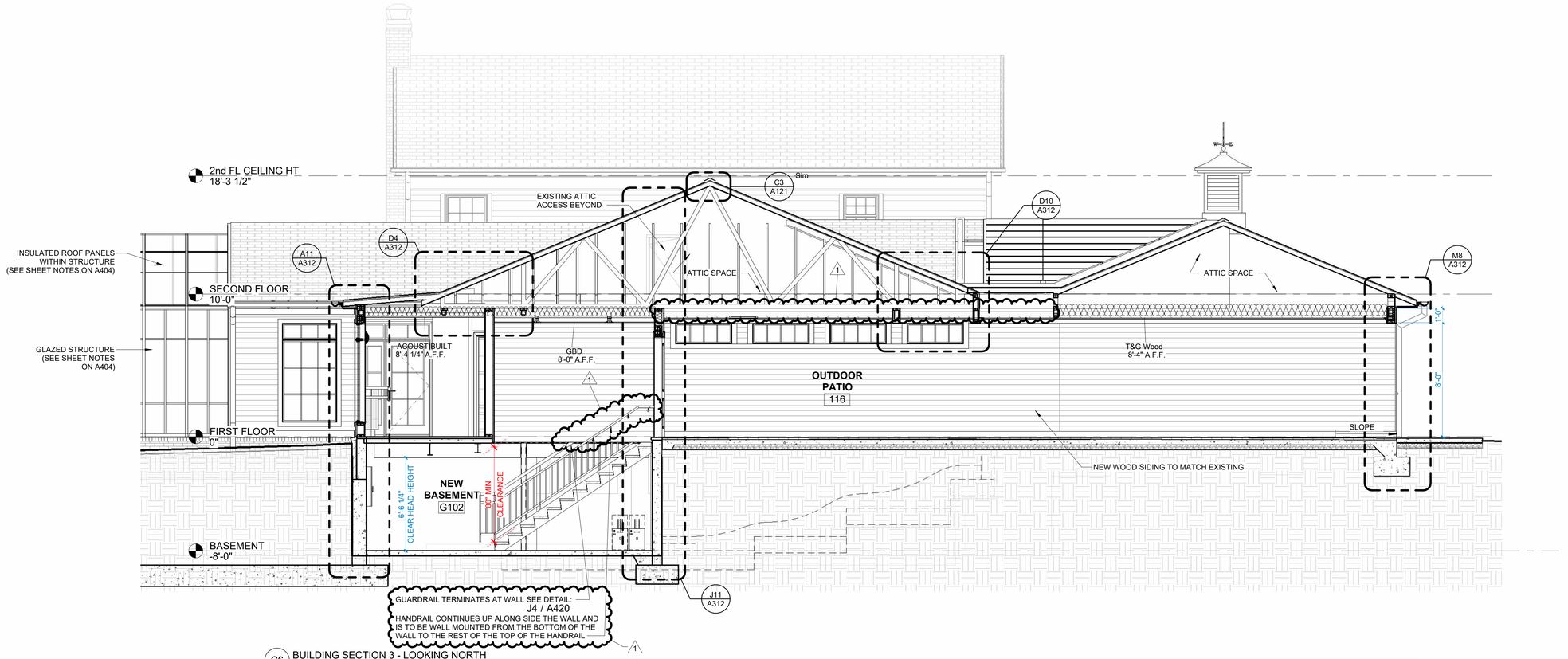
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SHEET TITLE

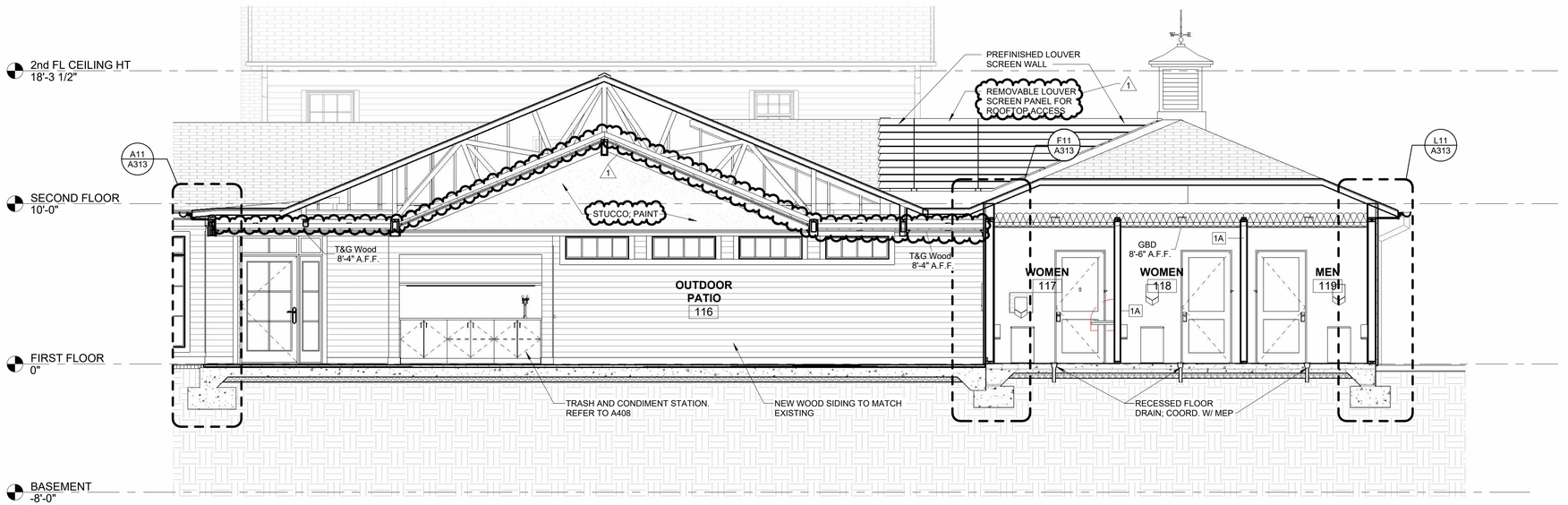
EXTERIOR ELEVATIONS

SHEET NUMBER

A201



C6 BUILDING SECTION 3 - LOOKING NORTH
1/4" = 1'-0"



C11 BUILDING SECTION 4 - LOOKING NORTH
1/4" = 1'-0"

Dirtworks
561 SEVENTH AVENUE FLOOR 11
NEW YORK, NY 10018
(212) 589 2263

WER ARCHITECTS
901 WEST THIRD STREET
LITTLE ROCK, AR 72201
(501) 374 5300

CONSULTANTS

CIVIL ENGINEERS
CRAFTON TULL & ASSOCIATES, INC.
901 N. 47TH STREET, SUITE 400
ROGERS, AR 72756
(479) 636 4838

MEP ENGINEERS
INSIGHT ENGINEERING
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LITTLE ROCK, AR 72201
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STRUCTURAL ENGINEERS
ENFRA TME, LLC
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LITTLE ROCK, AR 72202
(501) 666 6776

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ACENTECH
620 W. GERMANTOWN PIKE, STE. 210
PLYMOUTH MEETING PA 19462
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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

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KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO. 6347 ARKANSAS 10/16/2026

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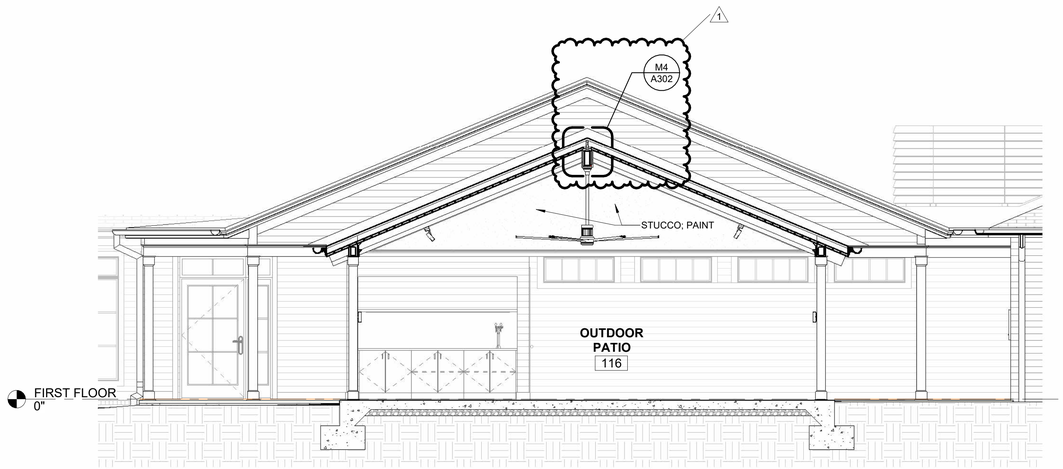
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SHEET TITLE

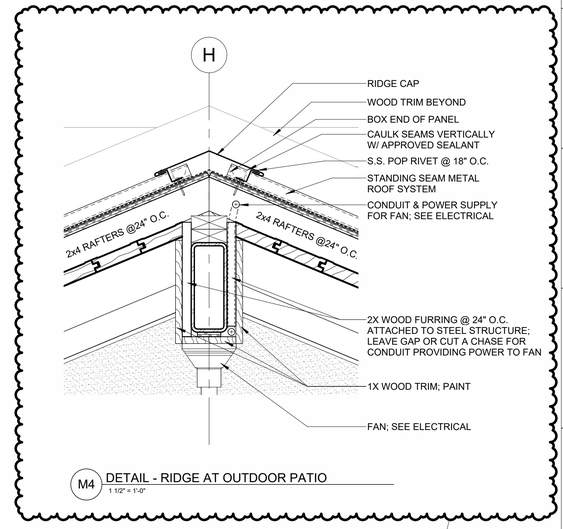
BUILDING SECTIONS

SHEET NUMBER

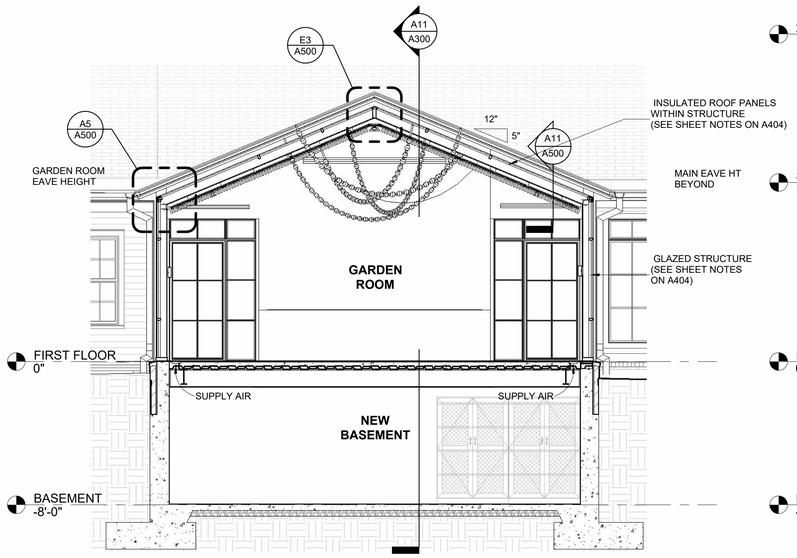
A301



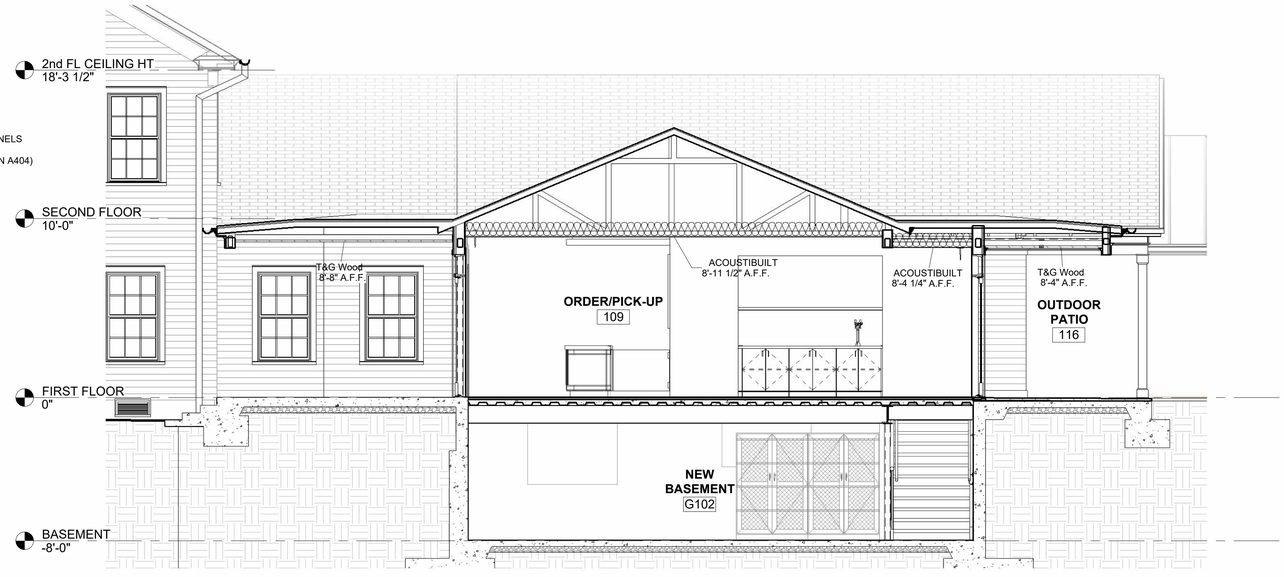
E6 BUILDING SECTION 5 - LOOKING NORTH
1/4" = 1'-0"



M4 DETAIL - RIDGE AT OUTDOOR PATIO
1 1/2" = 1'-0"



A11 BUILDING SECTION 1 - LOOKING EAST
1/4" = 1'-0"



F11 BUILDING SECTION 2 - LOOKING EAST
1/4" = 1'-0"

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BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-497 ARKANSAS

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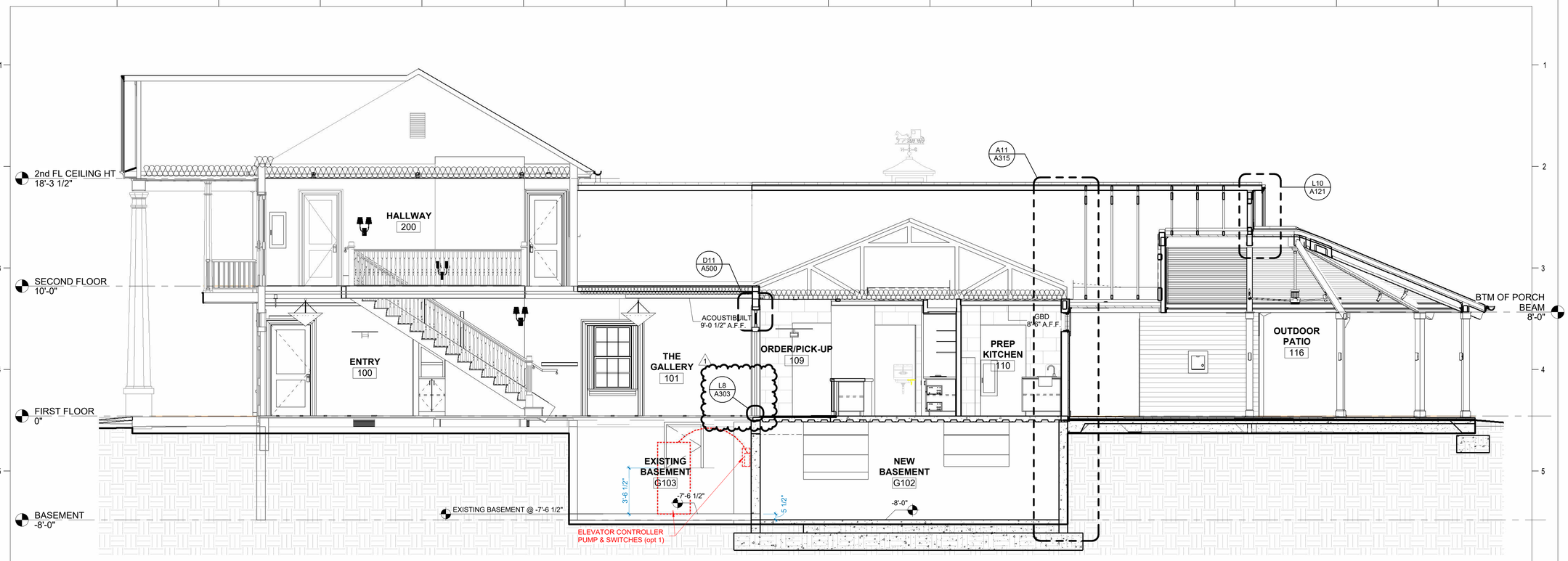
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SHEET TITLE

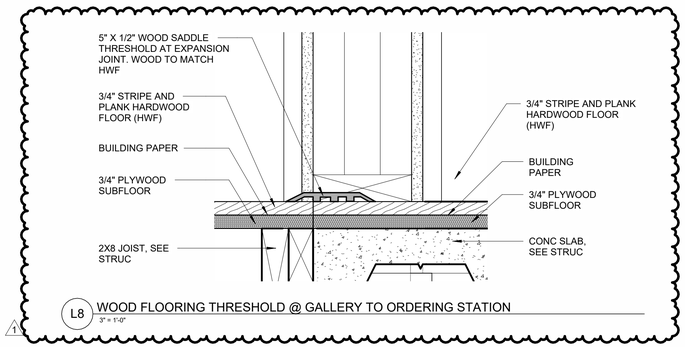
BUILDING SECTIONS

SHEET NUMBER

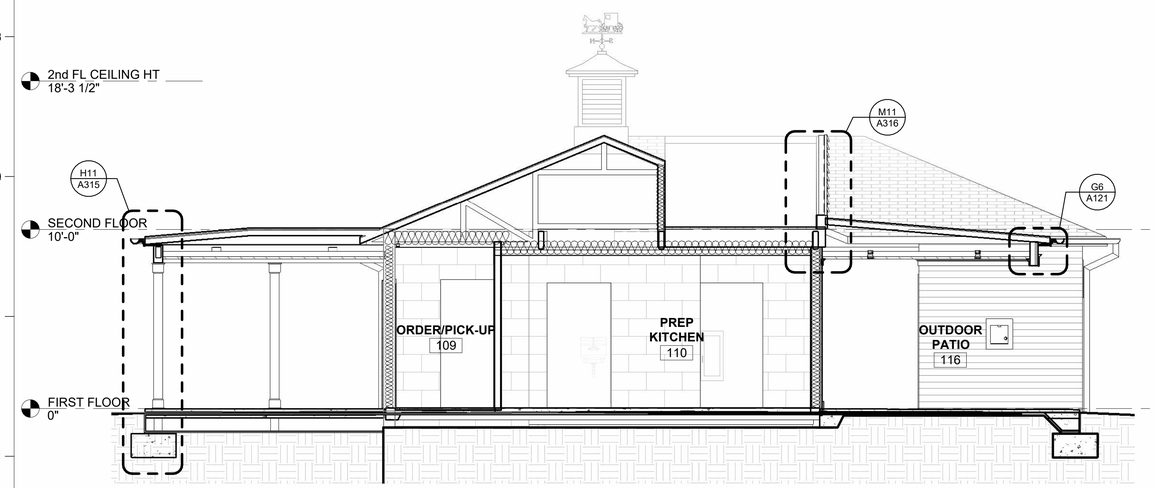
A302



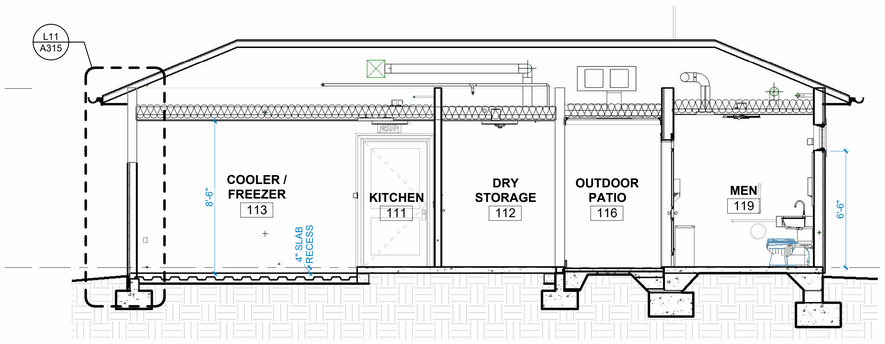
A6 BUILDING SECTION 3 - LOOKING EAST
1/4" = 1'-0"



L8 WOOD FLOORING THRESHOLD @ GALLERY TO ORDERING STATION
3" = 1'-0"



A11 BUILDING SECTION 4 - LOOKING EAST
1/4" = 1'-0"



J11 BUILDING SECTION 5 - LOOKING EAST
1/4" = 1'-0"

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PROJECT TITLE

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BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS ND C-49 ARKANSAS

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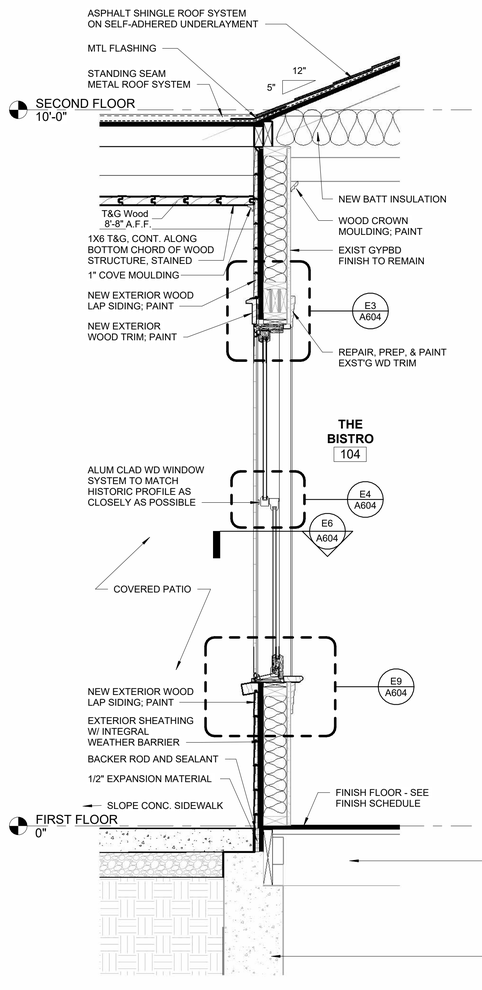
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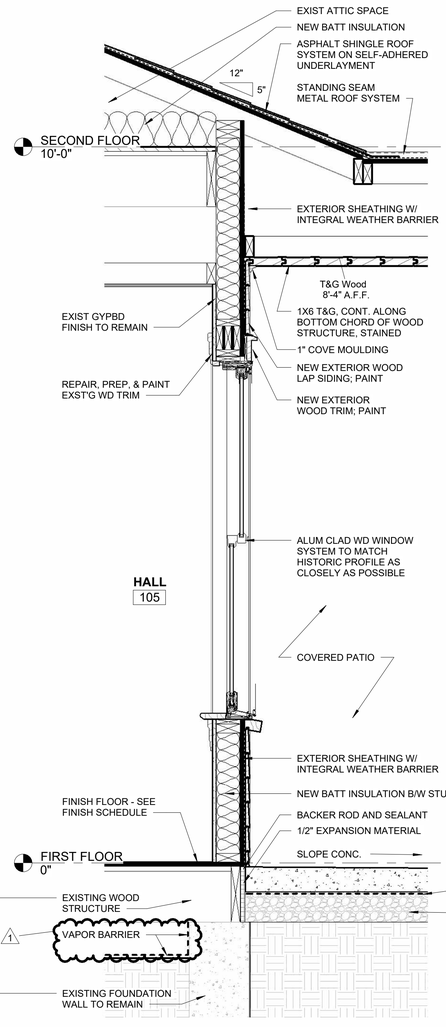
BUILDING SECTIONS

SHEET NUMBER

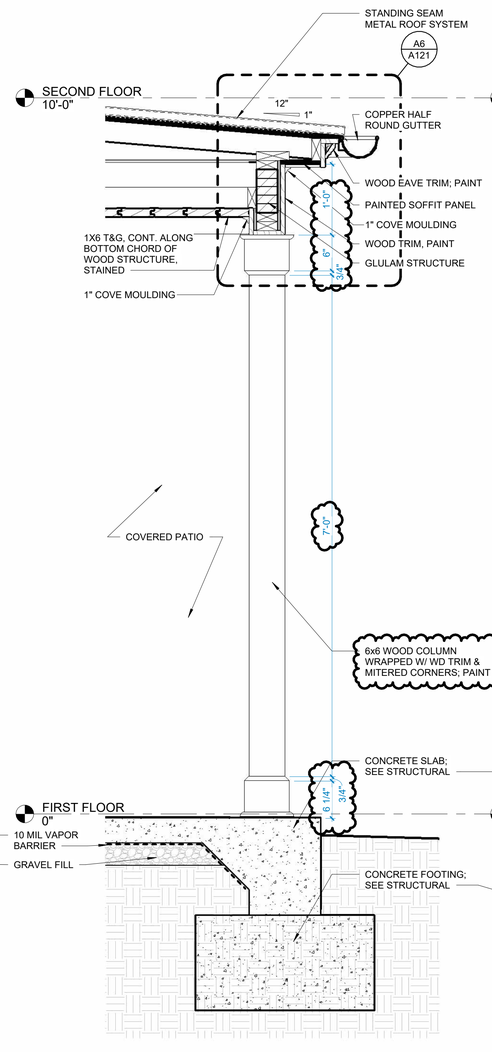
A303



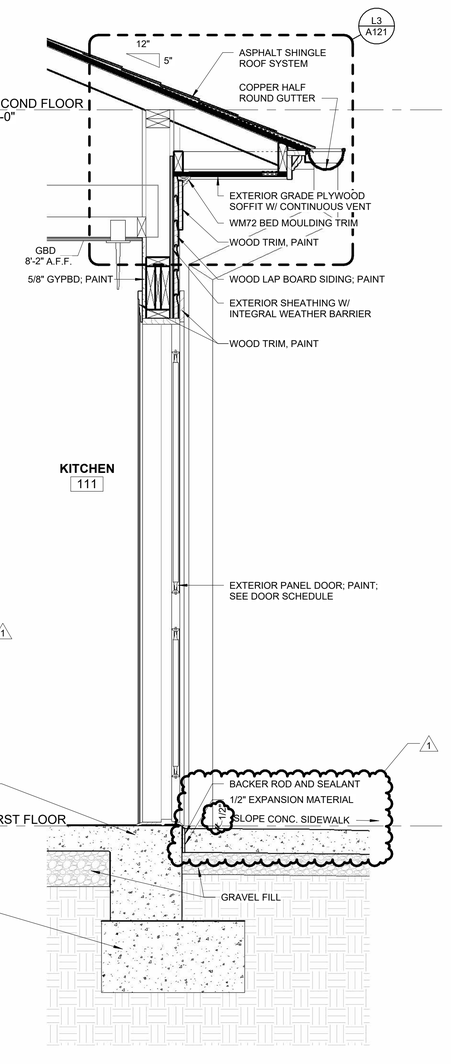
A11 WALL SECTION - A1
1" = 1'-0"



E11 WALL SECTION - A2
1" = 1'-0"



H11 WALL SECTION - A3
1" = 1'-0"



M11 WALL SECTION - B5
1" = 1'-0"

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

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO. 6347 ARKANSAS 10/16/2026

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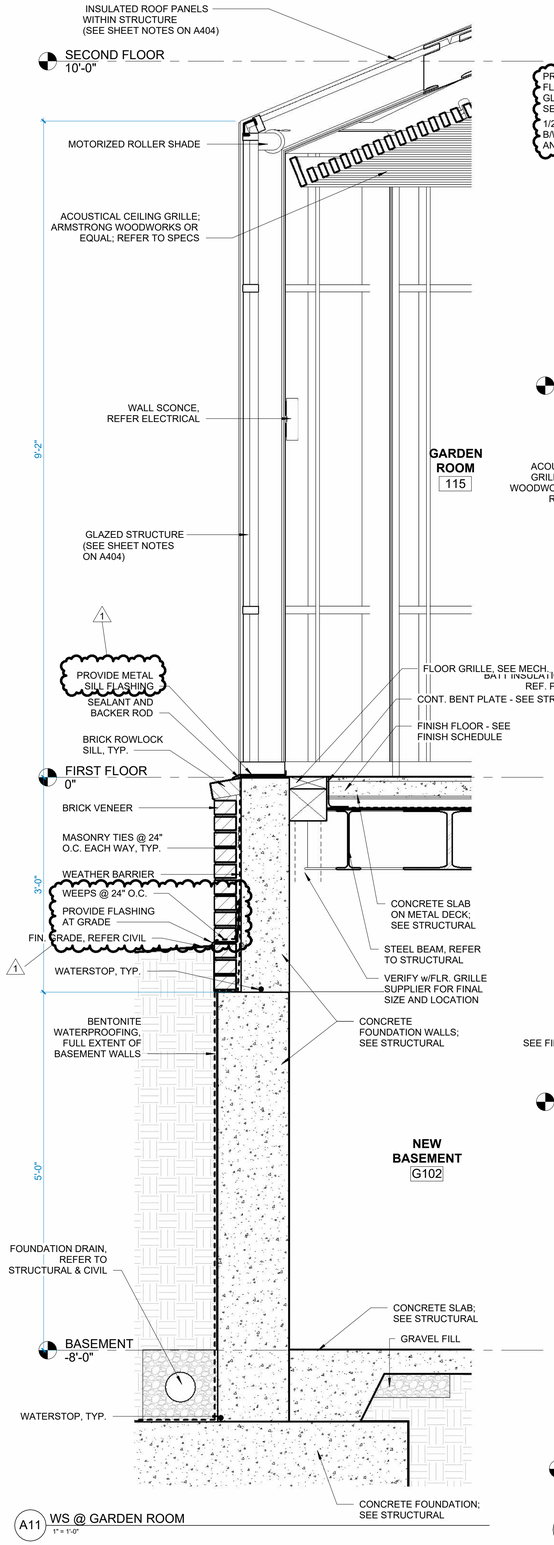
CHECKED BY

SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A310



A11 WS @ GARDEN ROOM 1" = 1'-0"

E11 WS @ BAR CHASE 1" = 1'-0"

H11 WS @ NEW BASEMENT 1" = 1'-0"

M11 WS @ PREP KITCHEN & KITCHEN 1" = 1'-0"

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(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

SIGN & SEAL

WITTSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-247 ARKANSAS 10/16/2026

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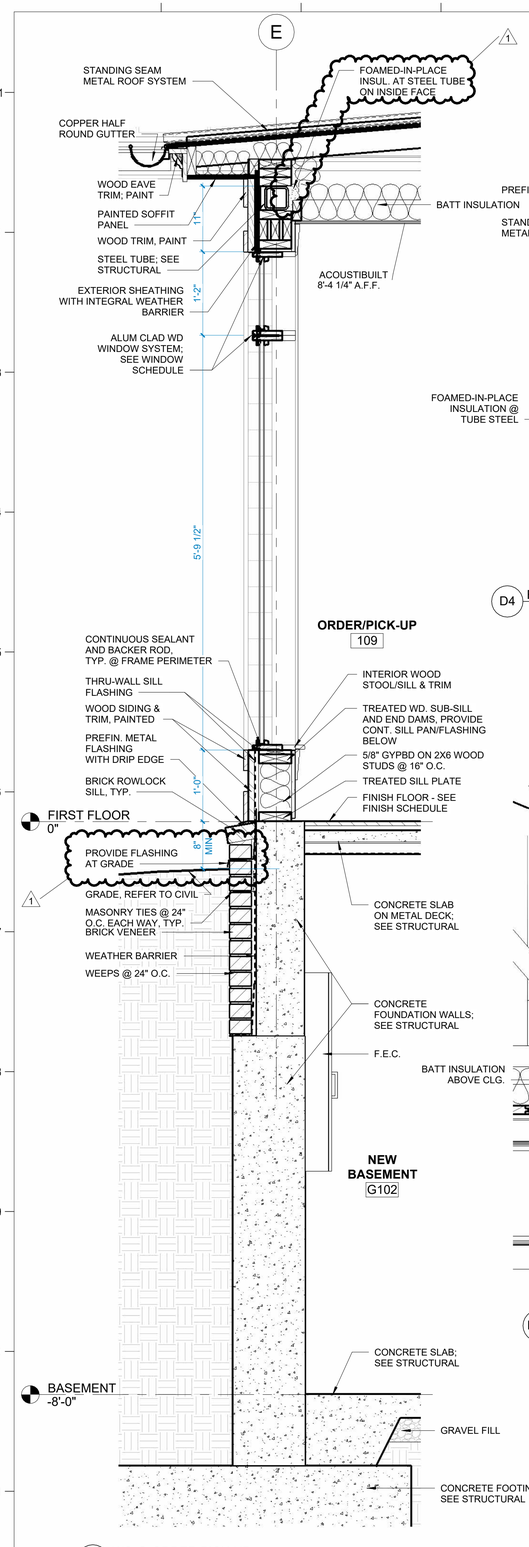
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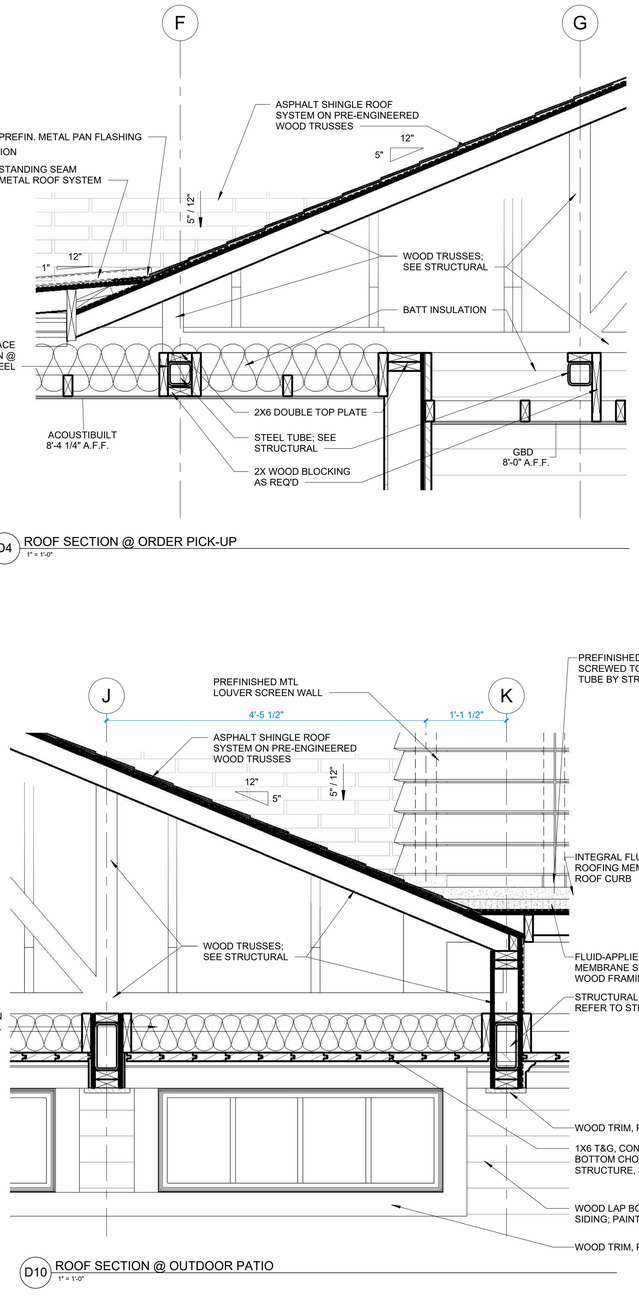
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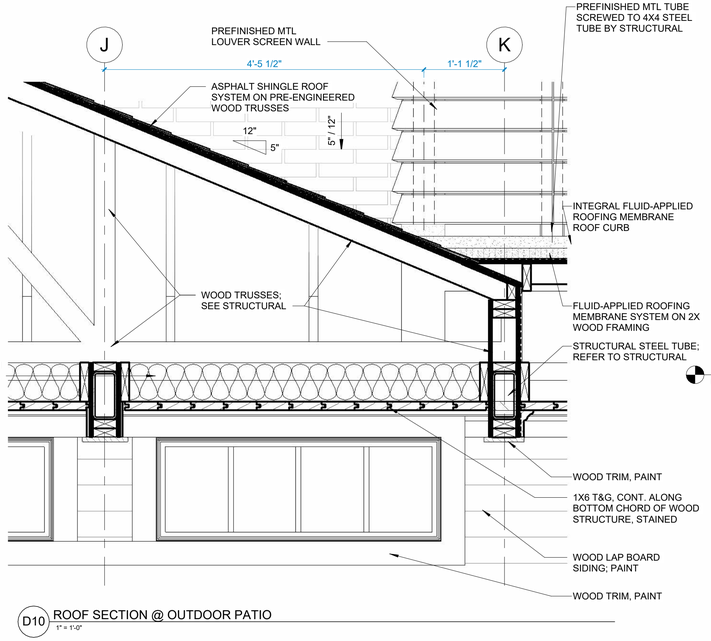
WALL SECTIONS

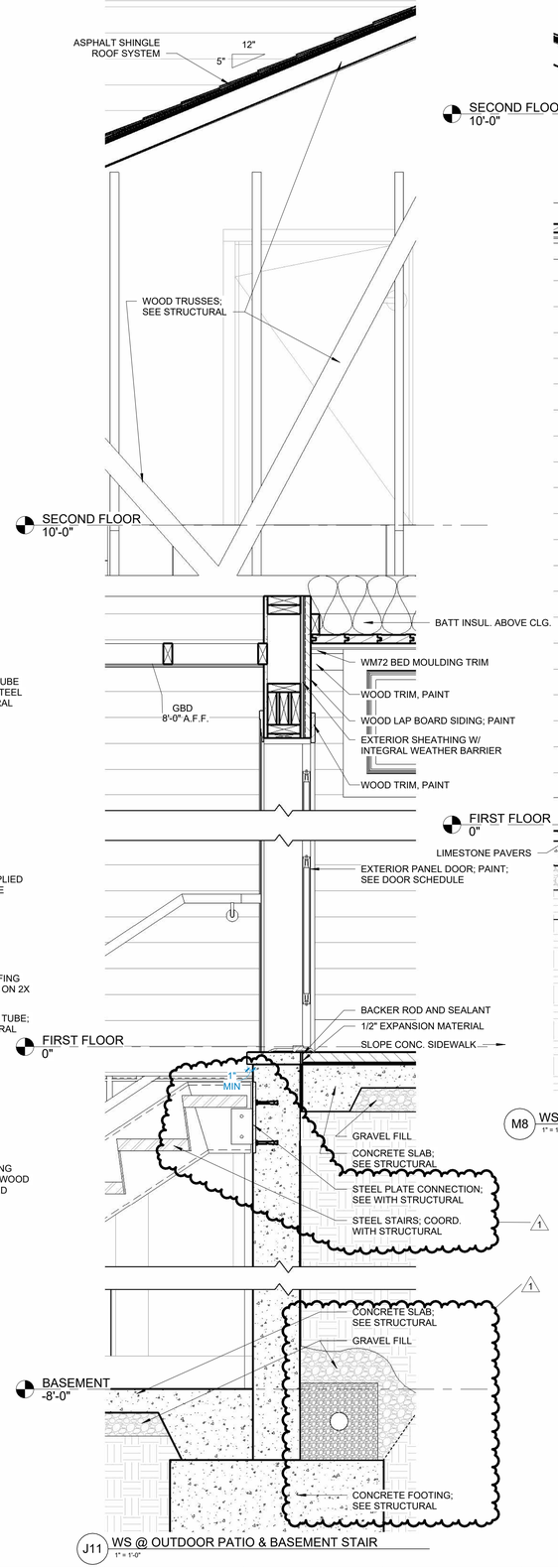
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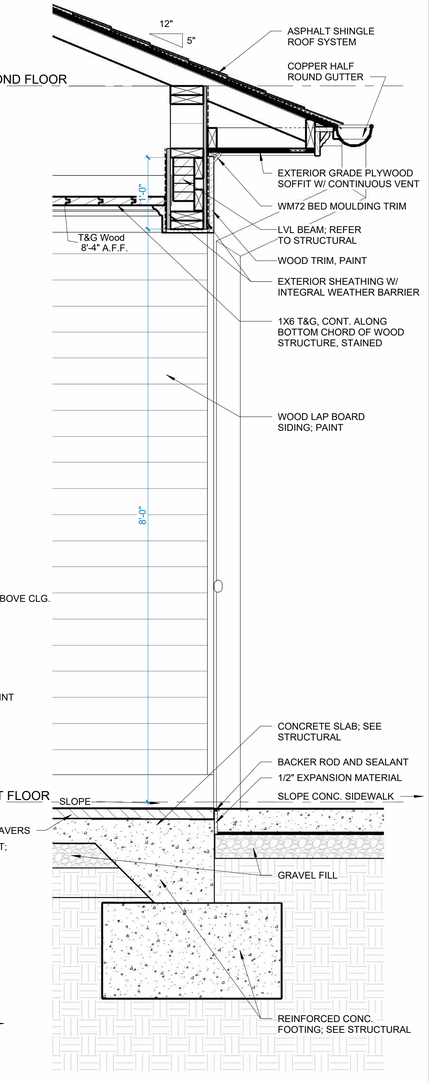
A311











Dirtworks
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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

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KEY PLAN

SIGN & SEAL

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

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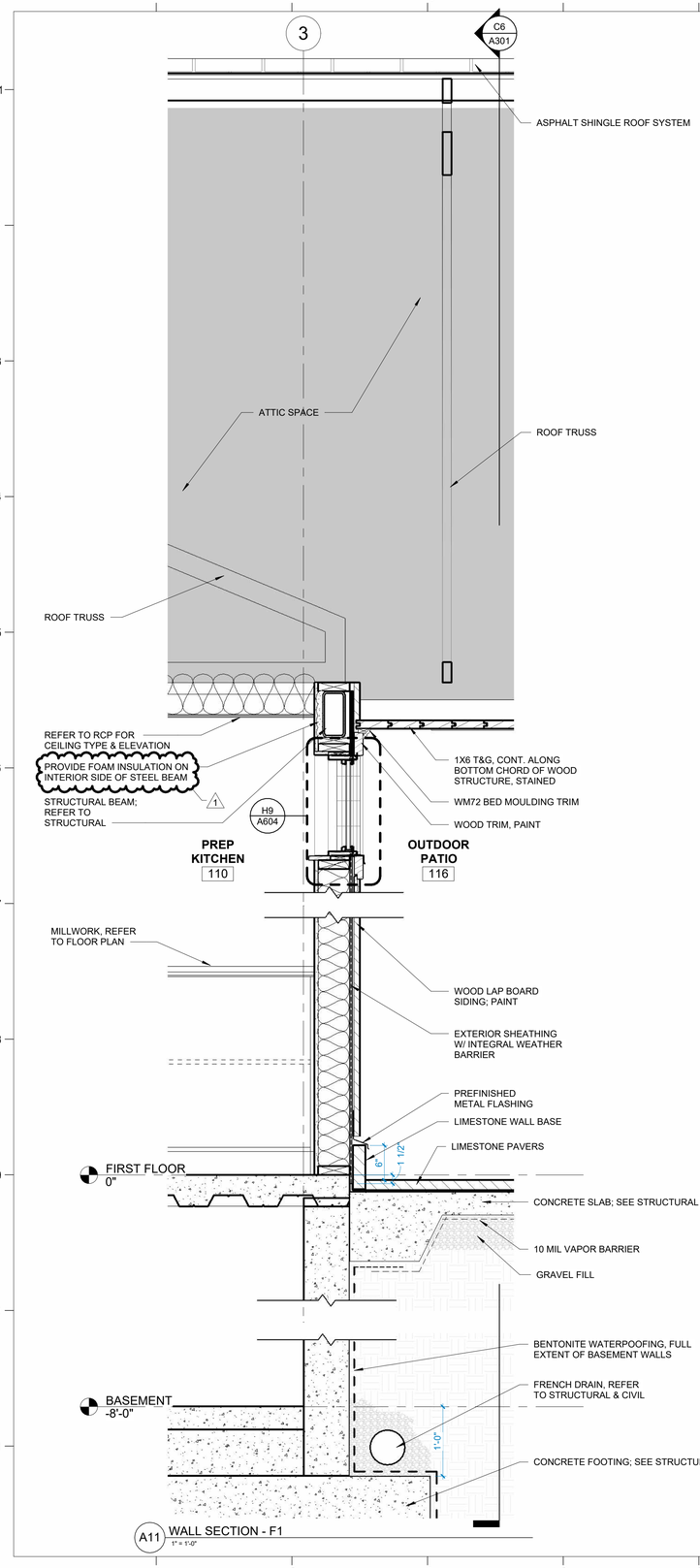
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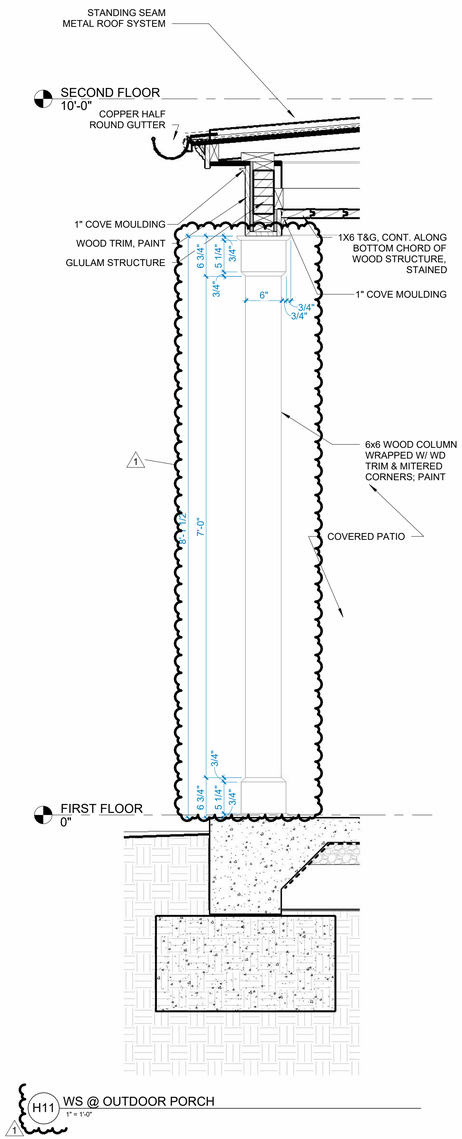
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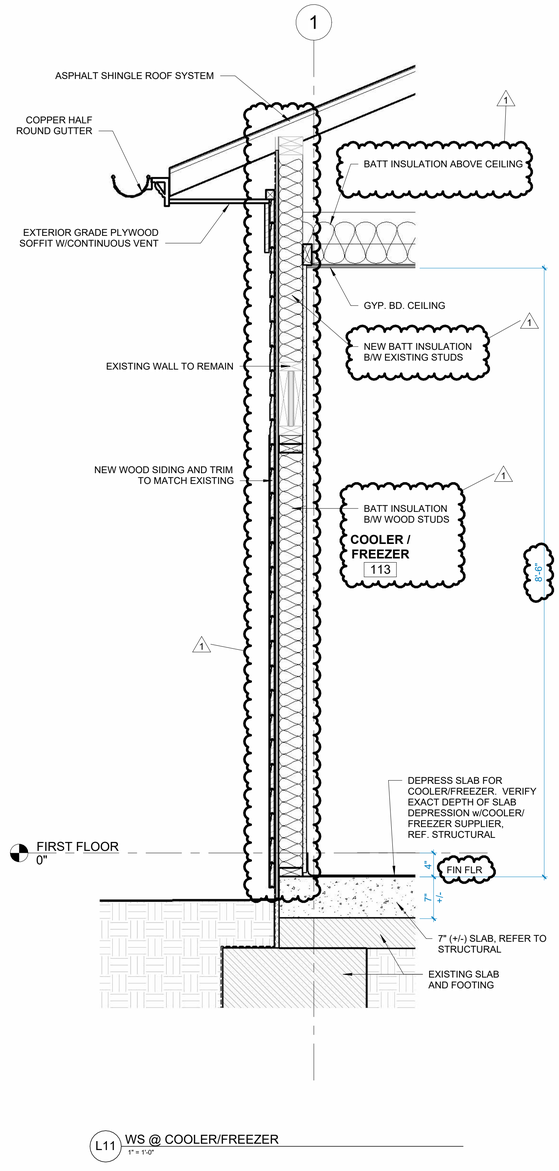
WALL SECTIONS

SHEET NUMBER

A312







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KEY PLAN

SIGN & SEAL

WITTSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO 6749 ARKANSAS

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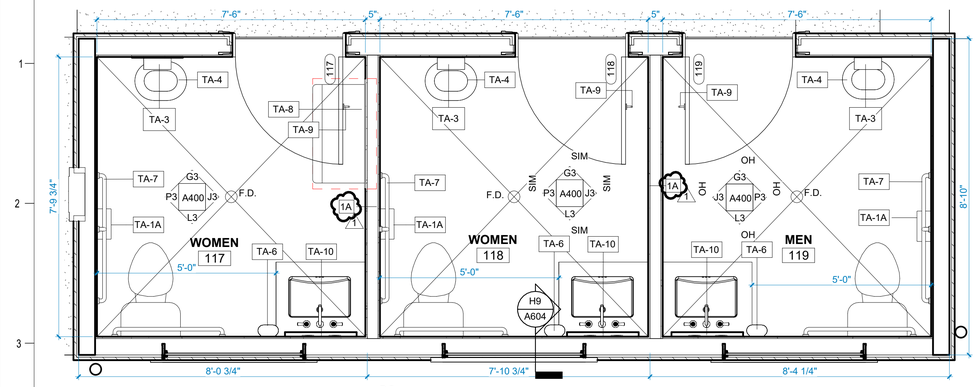
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SHEET TITLE

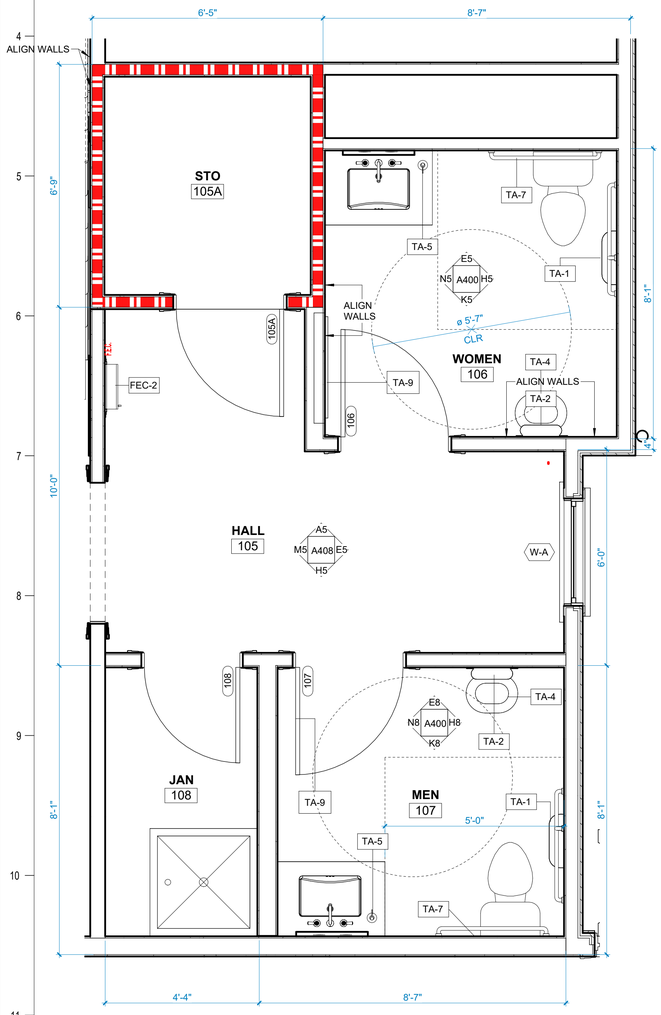
WALL SECTIONS

SHEET NUMBER

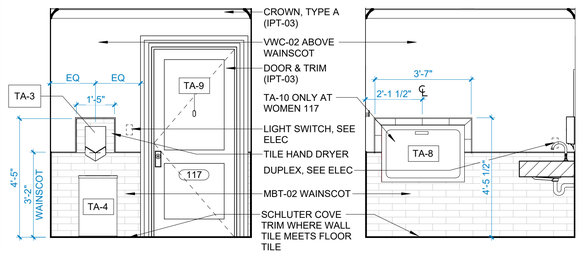
A315



A3 EP - HOUSE EXTERIOR RESTROOMS
1/2" = 1'-0"

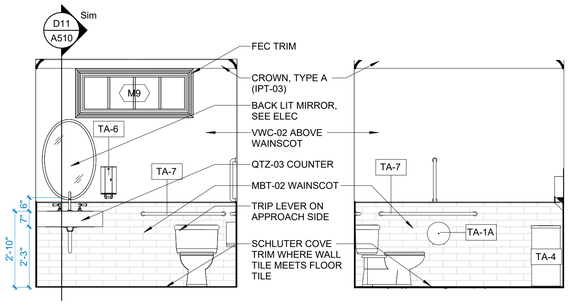


A11 EP - HOUSE INTERIOR RESTROOMS
1/2" = 1'-0"



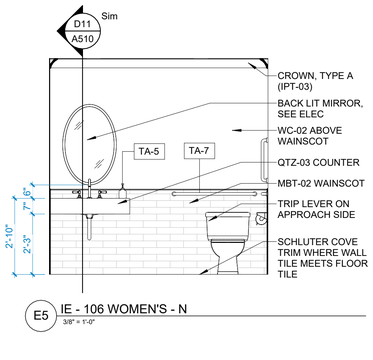
G3 IE - 117, 118, 119 TLT - N
3/8" = 1'-0"

J3 IE - 117, 118, 119 TLT - E
3/8" = 1'-0"

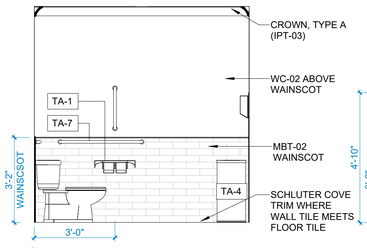


L3 IE - 117, 118, 119 TLT - S
3/8" = 1'-0"

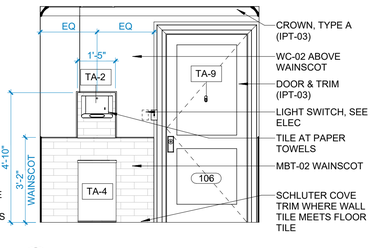
P3 IE - 117, 118, 119 TLT - W
3/8" = 1'-0"



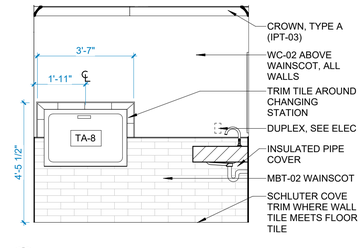
E5 IE - 106 WOMEN'S - N
3/8" = 1'-0"



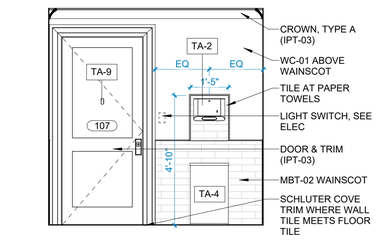
H5 IE - 106 WOMEN'S - E
3/8" = 1'-0"



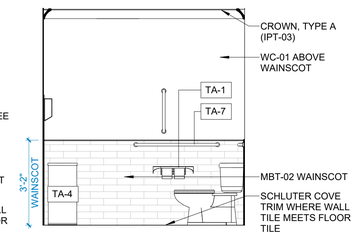
K5 IE - 106 WOMEN'S - S
3/8" = 1'-0"



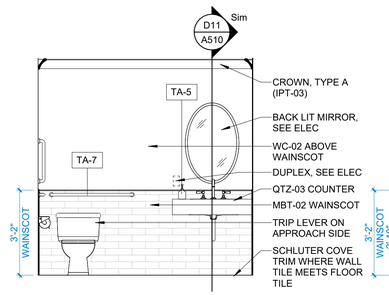
N5 IE - 106 WOMEN'S - W
3/8" = 1'-0"



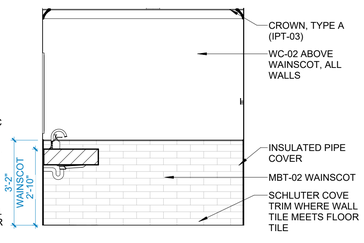
E8 IE - 107 MEN'S - N
3/8" = 1'-0"



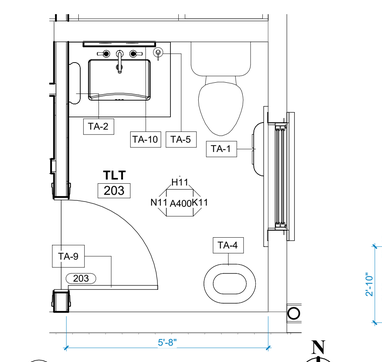
H8 IE - 107 MEN'S - E
3/8" = 1'-0"



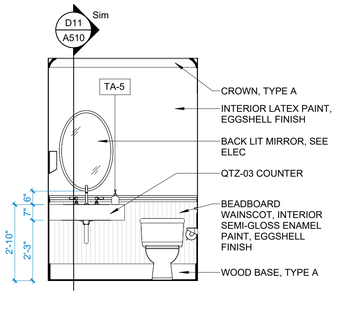
K8 IE - 107 MEN'S - S
3/8" = 1'-0"



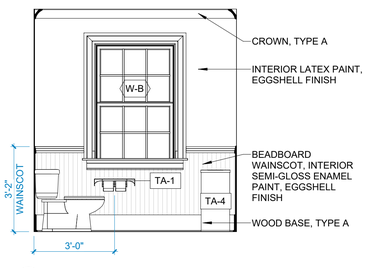
N8 IE - 107 MEN'S - W
3/8" = 1'-0"



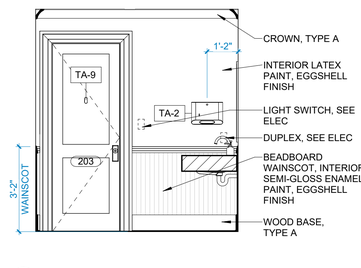
E11 EP - 203 TLT
1/2" = 1'-0"



H11 IE - 203 TLT N
3/8" = 1'-0"



K11 IE - 203 TLT E
3/8" = 1'-0"



N11 IE - 203 TLT W
3/8" = 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
1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS HO-CAW ARKANSAS 10/16/2026

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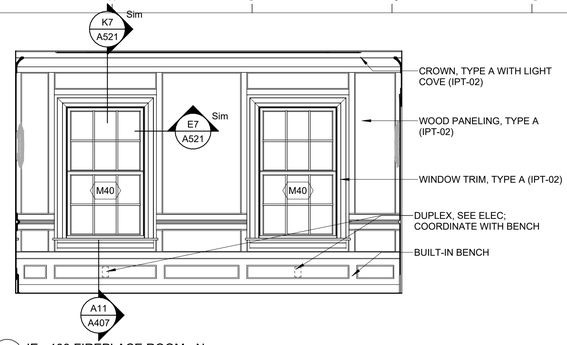
CHECKED BY

SHEET TITLE

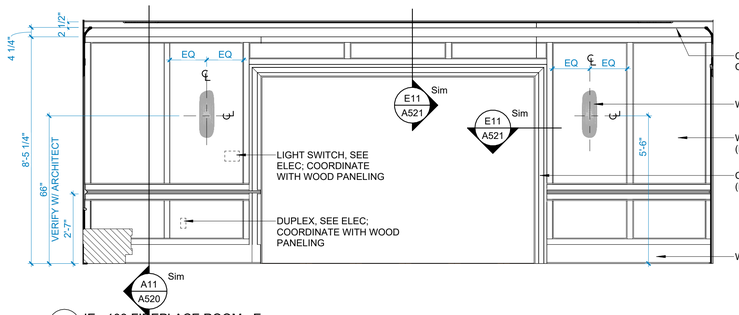
ENLARGED TOILET PLANS

SHEET NUMBER

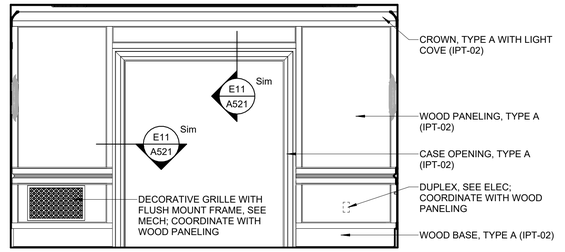
A400



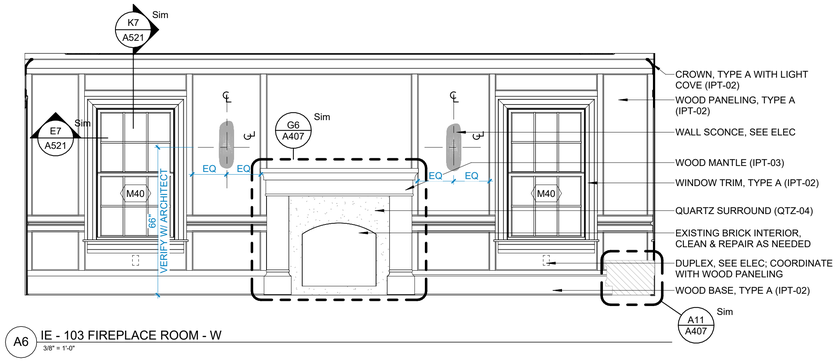
A3 IE - 103 FIREPLACE ROOM - N
3/8" = 1'-0"



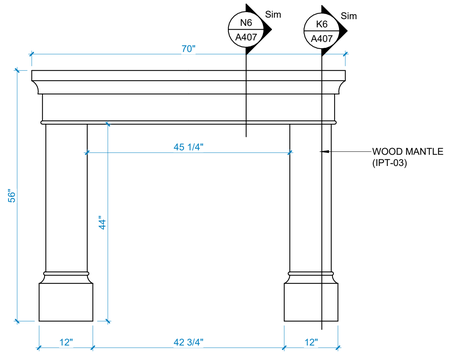
E3 IE - 103 FIREPLACE ROOM - E
3/8" = 1'-0"



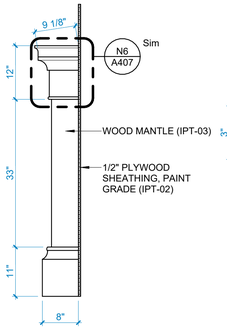
L3 IE - 103 FIREPLACE ROOM - S
3/8" = 1'-0"



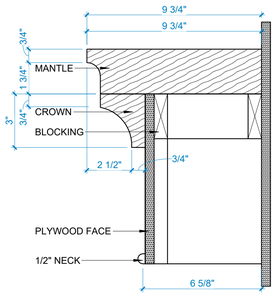
A6 IE - 103 FIREPLACE ROOM - W
3/8" = 1'-0"



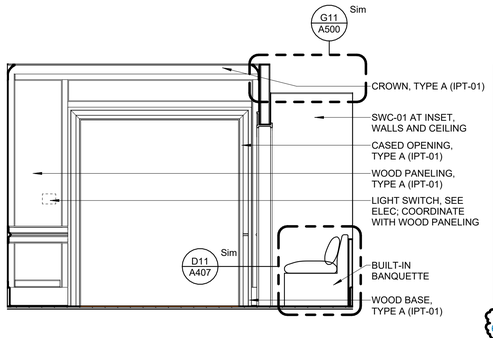
G6 FIREPLACE MANTLE - FRONT VIEW
3/4" = 1'-0"



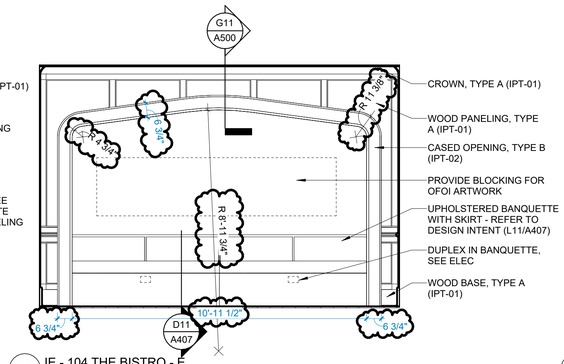
K6 FIREPLACE MANTLE - SIDE VIEW
3/4" = 1'-0"



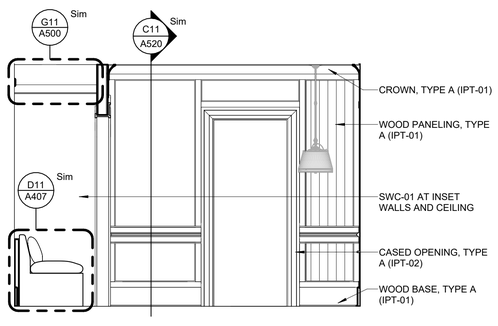
N6 FIREPLACE MANTLE - PROFILE VIEW
3" = 1'-0"



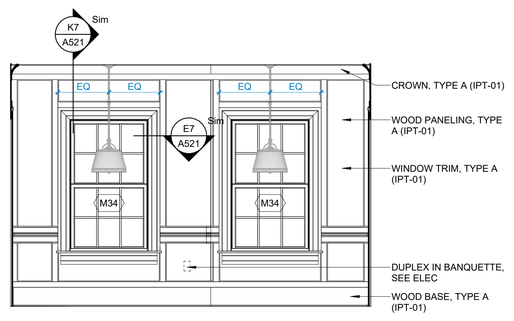
A8 IE - 104 THE BISTRO - N
3/8" = 1'-0"



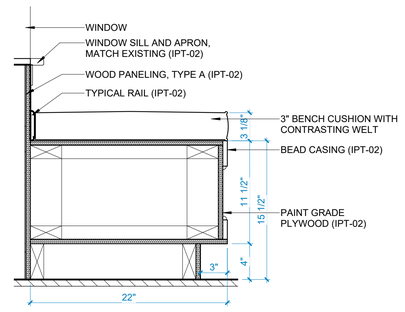
D8 IE - 104 THE BISTRO - E
3/8" = 1'-0"



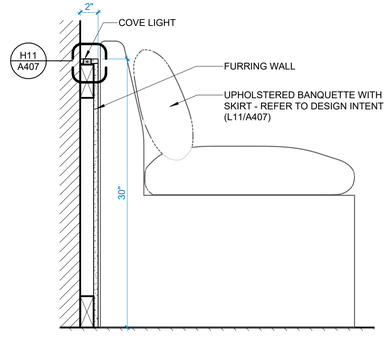
H8 IE - 104 THE BISTRO - S
3/8" = 1'-0"



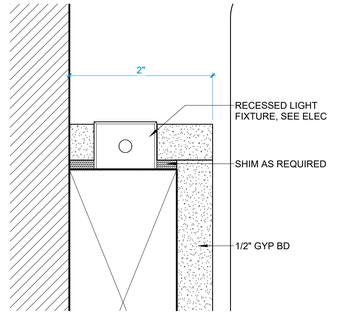
M8 IE - 104 THE BISTRO - W
3/8" = 1'-0"



A11 FIREPLACE ROOM - WINDOW SEAT DETAIL
1 1/2" = 1'-0"



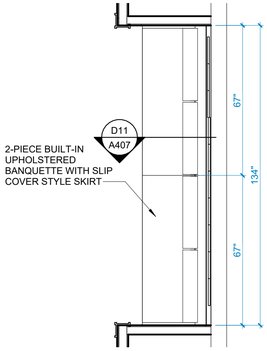
D11 BISTRO - INSET W/ BANQUETTE
1 1/2" = 1'-0"



H11 BISTRO - BANQUETTE COVE LIGHT
12" = 1'-0"



L11 BISTRO BANQUETTE DESIGN INTENT
1 1/2" = 1'-0"



N11 EP - BISTRO BANQUETTE INSET
3/8" = 1'-0"

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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
1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

WITSELL, EVANS & RASCO PA
REGISTERED ARCHITECTS
NO C-447
ARKANSAS

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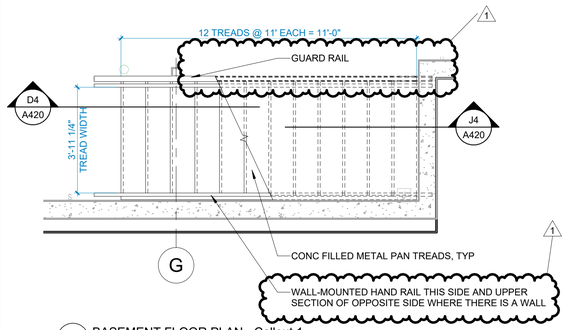
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SHEET TITLE

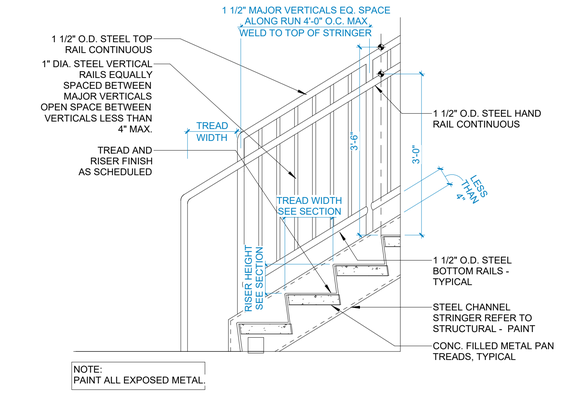
INTERIOR ELEVATIONS

SHEET NUMBER

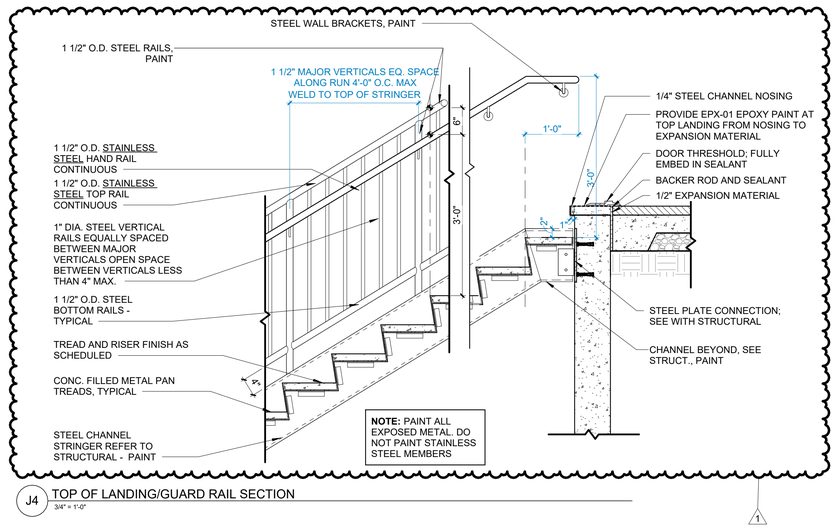
A407



A4 BASEMENT FLOOR PLAN - Callout 1
3/8" = 1'-0"



D4 BOTTOM OF STAIR RUN
3/4" = 1'-0"



J4 TOP OF LANDING/GUARD RAIL SECTION
3/4" = 1'-0"

STAIR AND RAILINGS - GENERAL NOTES:

1. NO GAP BETWEEN RAILING SYSTEM & STAIR WELL CONSTRUCTION OR OTHER BUILDING ELEMENTS SHALL BE OF A WIDTH TO ALLOW A 4-INCH SPHERE TO PASS THROUGH.

2. HAND RAIL BRACKETS ARE NOT ALL SHOWN IN STAIR SECTION OR ELEVATION VIEWS. BRACKETS TO BE PROVIDED PER DETAILS.

3. GUARDRAIL BALUSTER SPACING SHOWN DIAGRAMMATICALLY & MAY NOT SHOW EQUAL SPACING, ALL REQUIRED LOCATIONS OR REQUIRED ALIGNMENT.

4. PROVIDE MISC STL EMBED PLATES WITH STUDS TO BE PLACED IN FLR SLABS @ LOCATIONS WHERE VERT RAILING SUPPORTS ORIGINATE @ FLRS. WELD RAILING VERTICALS TO EMBED PLATES, CLEAN & SMOOTH FIELD WELDS. UNLESS NOTED OTHERWISE.

6. PAINT ALL EXPOSED TO VIEW PORTIONS OF STL STAIRS.

7. REFER TO STRUCTURAL DRAWINGS FOR STEEL DESIGN, DETAILING & ENGINEERING.

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PROJECT TITLE

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PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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KEY PLAN

SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-457 ARKANSAS

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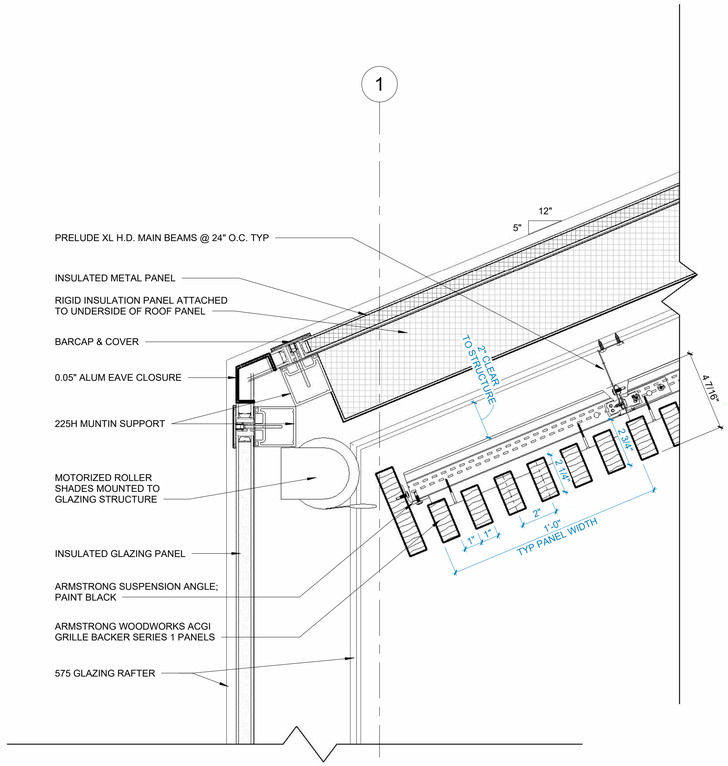
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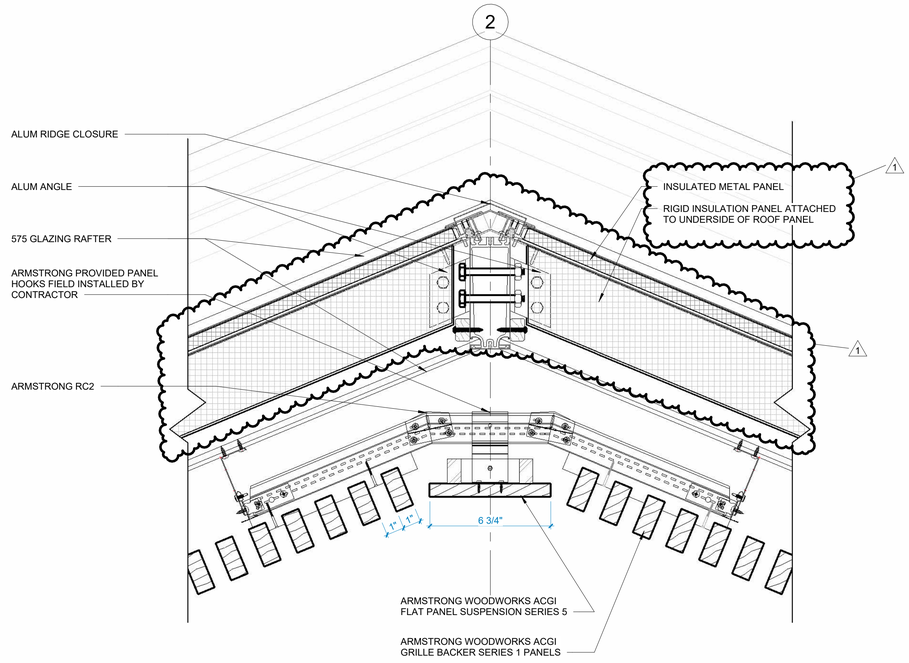
BASEMENT STAIR DETAILS

SHEET NUMBER

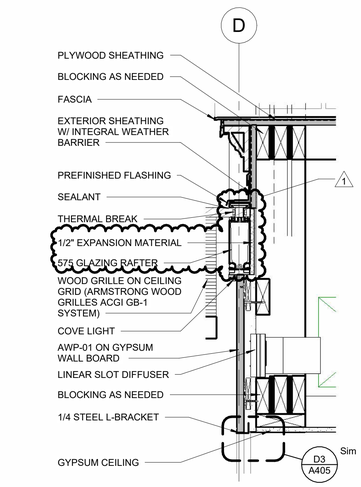
A420



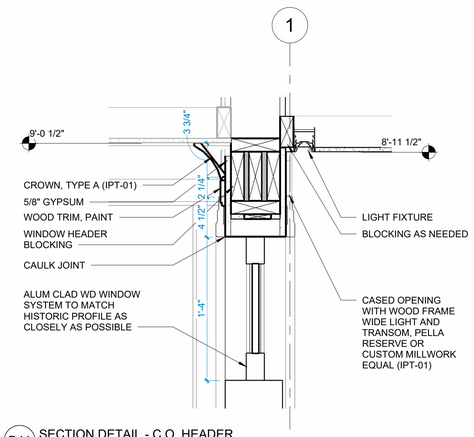
A5 BUILDING SECTION 1 - LOOKING EAST - Callout 2
3" = 1'-0"



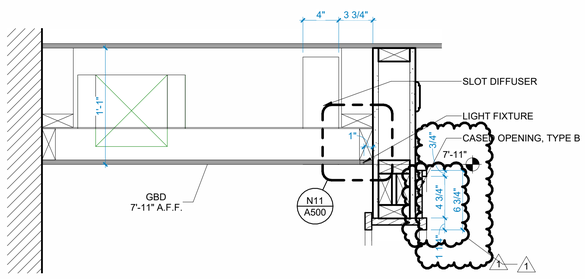
E3 BUILDING SECTION 1 - LOOKING EAST - Callout 1
3" = 1'-0"



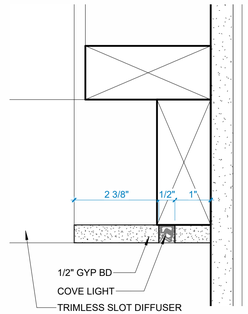
A11 SECTION DETAIL - FURRDOWN @ GARDEN RM ENTRY
1 1/2" = 1'-0"



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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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO. C-247 ARKANSAS 10/16/2026

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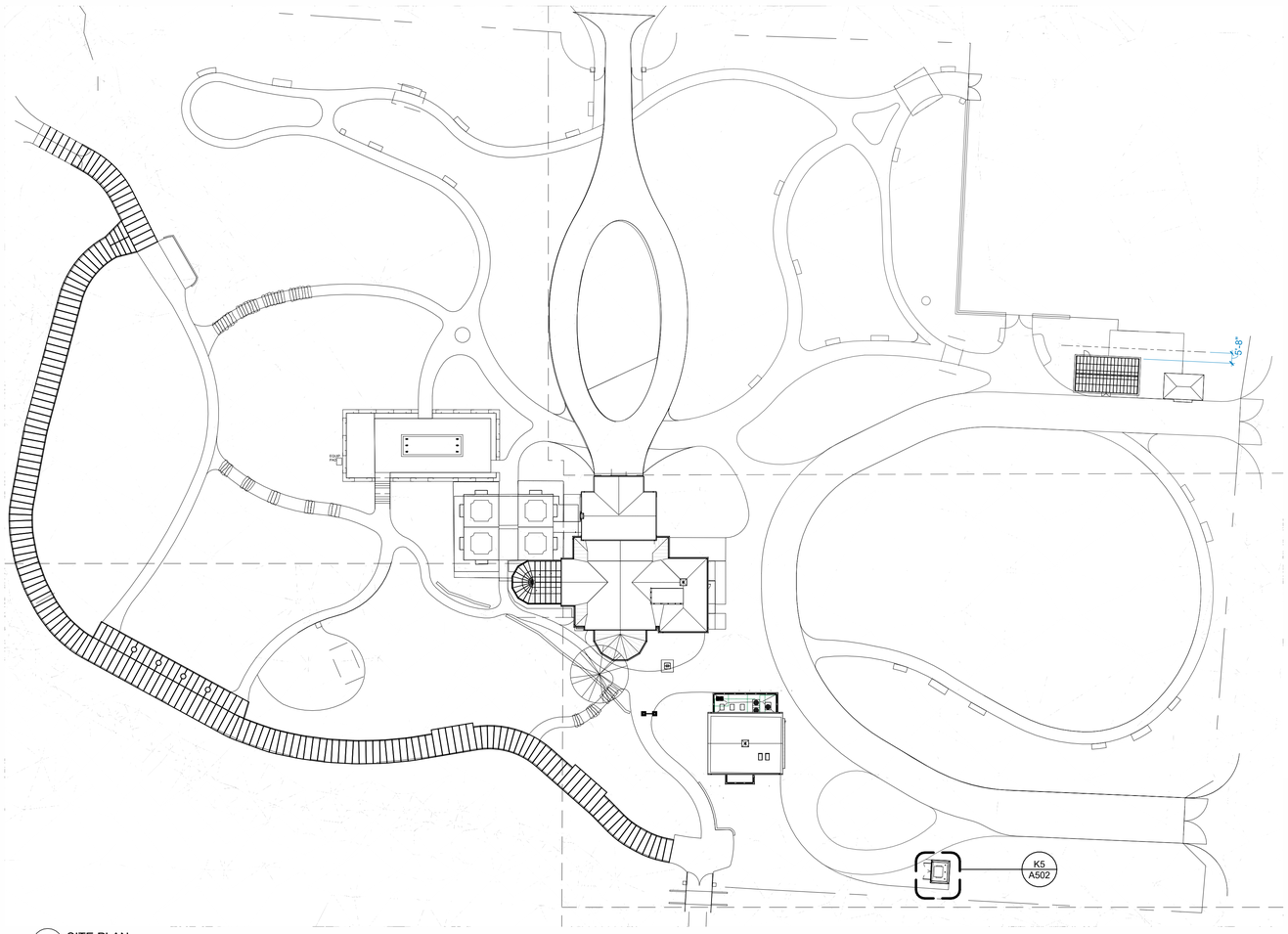
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SHEET TITLE

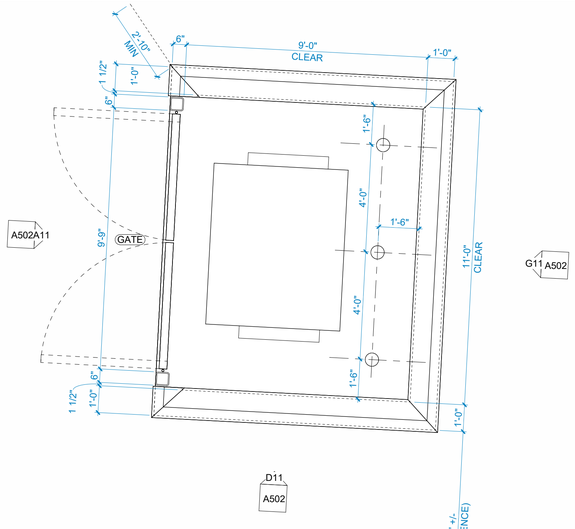
DETAILS

SHEET NUMBER

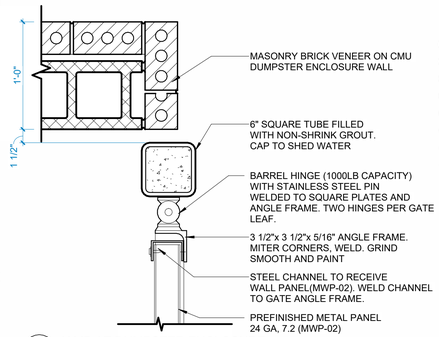
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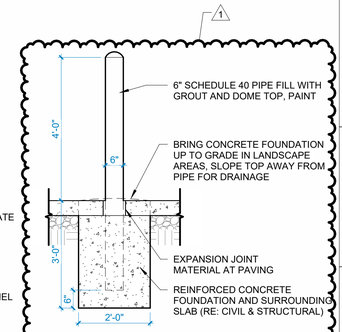
A5 SITE PLAN
1" = 40'-0"



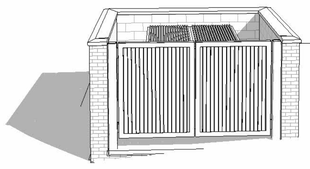
K5 EP - DUMPSTER ENCLOSURE
3/8" = 1'-0"



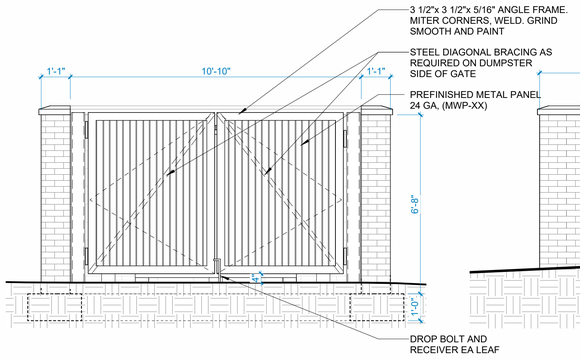
L8 JAMB AT DUMPSTER ENCLOSURE
1 1/2" = 1'-0"



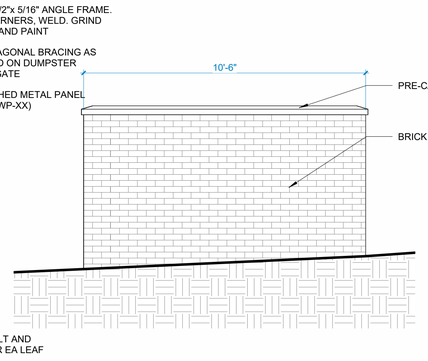
N8 PIPE BOLLARD
1/2" = 1'-0"



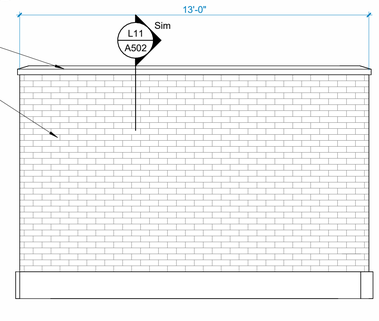
G9 3D - DUMPSTER ENCLOSURE



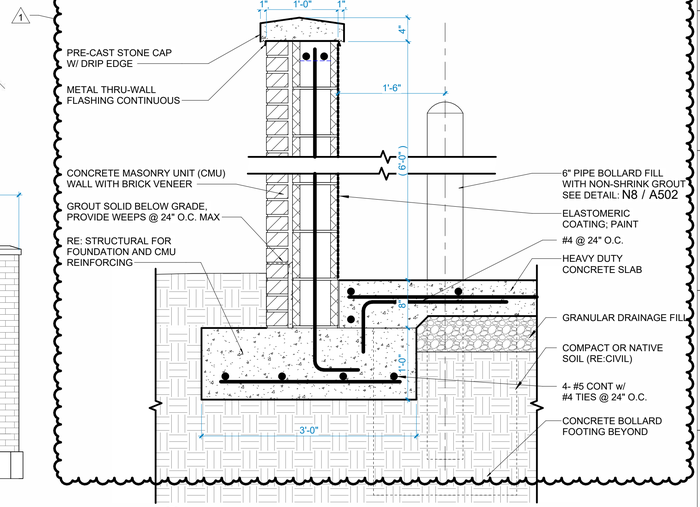
A11 ELEVATION - DUMPSTER ENCLOSURE (WEST)
3/8" = 1'-0"



D11 ELEVATION - DUMPSTER ENCLOSURE (SIDES)
3/8" = 1'-0"



G11 ELEVATION - DUMPSTER ENCLOSURE (EAST)
3/8" = 1'-0"



L11 DUMPSTER ENCLOSURE WALL
1" = 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
1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

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

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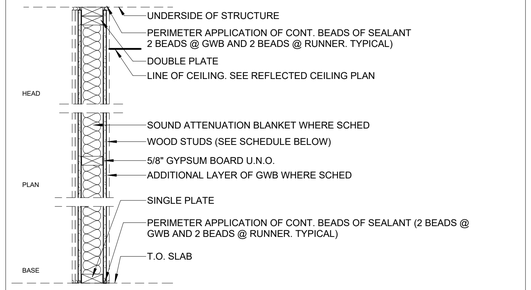
SHEET TITLE

DUMPSTER ENCLOSURE DETAILS

SHEET NUMBER

A502

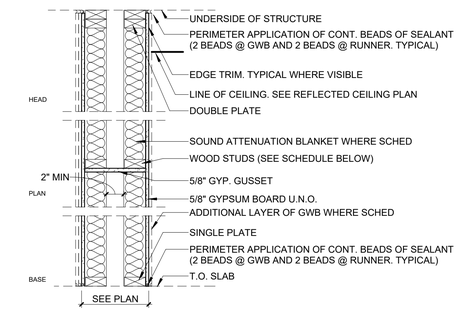
1 STUD WALL



TYPE	1ST LAYER / 2ND LAYER	STUD SIZE / SPACING	1ST LAYER / 2ND LAYER	MAX HEIGHT MIN. GAUGE	INSUL. THICKNESS STC TEST	FIRE RATING TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "INCHES")							
1A	5/8"	3 5/8" 16" O.C.	5/8"	15'-4" 20	3" 49 SA-870717		
(TOTAL WALL WIDTH: 4 3/4")							
1B	5/8"	3 5/8" 16" O.C.	5/8"	15'-4" 20	NONE 40 USG-860808		
(TOTAL WALL WIDTH: 4 3/4")							
1C	5/8"	3 5/8" 16" O.C.	5/8"	15'-4" 20	NONE 40 USG-860808		EXTEND GYP. BD. 6" ABOVE CEILING, SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 4 3/4")							
1D	5/8"	5 1/2" 16" O.C.	5/8"	19'-9" 20	3" 49 SA-870717		
(TOTAL WALL WIDTH: 6 3/4"")							
1E	5/8"	5 1/2" 16" O.C.	5/8"	9'-0" 20	NONE N/A		
(TOTAL WALL WIDTH: 6 3/4"")							
1F	5/8"	5 1/2" 16" O.C.	1/2" RESILIENT CHANNEL 5/8"	19'-9" 20	3" 54 RAL-TL-83-216		SEE GENERAL NOTE 7
(TOTAL WALL WIDTH: 7 1/4")							
1G	5/8"	3 5/8" 16" O.C.	1/2" RESILIENT CHANNEL 5/8"	15'-4" 20	3" 54 RAL-TL-83-216	1 HR UL-U419	SEE GENERAL NOTE 7
(TOTAL WALL WIDTH: 5 1/4")							
1H	5/8"	3 5/8" 16" O.C.	5/8"	15'-4" 20	NONE 40 USG-860808	1 HR UL-U419	
(TOTAL WALL WIDTH: 4 3/4")							
1J	5/8"	3 5/8" 16" O.C.	5/8"	15'-4" 20	3" 49 SA-870717	1 HR UL-U419	
(TOTAL WALL WIDTH: 4 3/4")							
1K	5/8" 5/8"	3 5/8" 16" O.C.	5/8" 5/8"	15'-4" 20	NONE N/A	2 HR UL-U419	
(TOTAL WALL WIDTH: 6")							
1L	5/8" 5/8"	3 5/8" 16" O.C.	5/8" 5/8"	15'-4" 20	3" N/A	2 HR UL-U419	
(TOTAL WALL WIDTH: 6")							
1M	5/8"	3 5/8" 16" O.C.	5/8"	15'-4" 20	N/A		EXTEND STUDS & G.B. AT ONE SIDE TO DECK. SEAL SMOKE TIGHT. SEE GENERAL NOTE 7. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 4 3/4")							

(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)

2 FURRING WALL



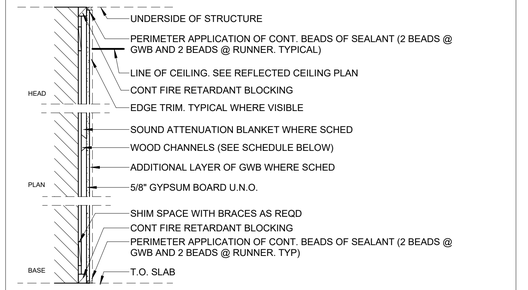
TYPE	1ST LAYER	STUD SIZE / SPACING	AIR SPACE	STUD SIZE / SPACING	1ST LAYER	MAX HEIGHT MIN. GAUGE	INSUL. THICKNESS STC TEST	FIRE RATING TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")									
2A	5/8"	3 5/8" 16" O.C.			5/8"	N/A 20	NONE N/A	NONE N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 4 1/8")									
2B	5/8"	2 1/2" 16" O.C.			5/8"	N/A 20	NONE N/A	NONE N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 3 1/8")									
2C	5/8"	5 1/2" 16" O.C.			5/8"	N/A 20	NONE N/A	NONE N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 3 1/8")									

(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)

5A	5/8"	2 1/2 16" O.C.	1' - 5 3/4"	2 1/2 16" O.C.	5/8"
(TOTAL WALL WIDTH: 24")					

17'-6" 20	3 1/2" (1 SIDE) 48 RAL-TL-76-155	1 HR UL-U420

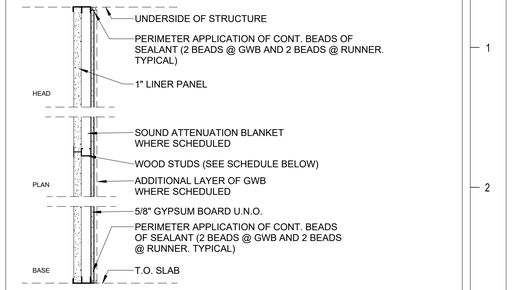
5 CHASE WALL



TYPE	1ST LAYER	STUD SIZE / SPACING	MAX HEIGHT MIN. GAUGE	INSUL. THICKNESS STC TEST	FIRE RATING TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")						
3A	5/8"	7/8" 16" O.C.	N/A 20	NONE N/A	NONE N/A	EXTEND GYP. BD. 6" ABOVE CEILING. SEE GENERAL NOTE 13
(TOTAL WALL WIDTH: 1 1/2")						

(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)

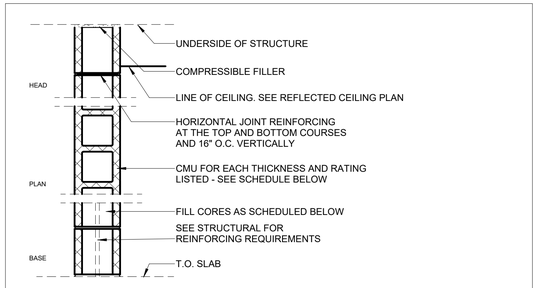
3 FURRING CHANNELS



LINER PANEL / TYPE	1ST LAYER	STUD SIZE / SPACING	MAX HEIGHT MIN. GUAGE	INSUL. THICKNESS STC TEST	FIRE RATING TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "VARIES")						
1" LINER PANEL 4A	5/8"	2 1/2" C-H 24" O.C.	12'-0" 20	1" 48 RAL-0T-04-022	1 HR UL-U415	
(TOTAL WALL WIDTH: 3 1/8")						
1" LINER PANEL 4B	5/8"	4" C-H 24" O.C.	14'-0" 20	1 1/2" 48 RAL-0T-04-019	1 HR UL-U415	
(TOTAL WALL WIDTH: 4 5/8")						

(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)

4 SHAFT WALL



TYPE	NOMINAL SIZE / SPACING	MAX HEIGHT MIN. GAUGE	INSUL. THICKNESS STC TEST	FIRE RATING TEST DESIGN	REMARKS
(TOTAL WALL WIDTH: "INCHES")					
6A	8" N/A	N/A	NONE N/A	N/A	SEE GENERAL NOTE 14
(TOTAL WALL WIDTH: 7 5/8")					
6B	6" N/A	N/A	NONE N/A	N/A	SEE GENERAL NOTE 14
(TOTAL WALL WIDTH: 5 5/8")					
6C	4" N/A	N/A	NONE N/A	N/A	SEE GENERAL NOTE 14
(TOTAL WALL WIDTH: 3 5/8")					

(NOTE: SOME PARTITION TYPES LISTED MAY NOT BE USED)

6 CMU

GENERAL NOTES

1. SEE PARTITION DETAIL DRAWINGS AND PROJECT SPECIFICATIONS FOR SEISMIC DETAILS AND PERFORMANCE CRITERIA FOR ALL STUD AND MASONRY PARTITIONS

2. INSTALL CEMENTITIOUS BACKER BOARD IN LIEU OF GYPSUM WALL BOARD AT LOCATIONS INDICATED TO RECEIVE WALL TILE

3. INSTALL WATER RESISTANT WALL BOARD AT ALL WALL SURFACES IN TOILET ROOMS, JANITORS CLOSETS, AND SIMILAR WET AREAS NOT INDICATED TO RECEIVE WALL TILE. INSTALL MINIMUM 2" PAST EDGE OF FIXTURE AND 24" VERTICALLY ABOVE FIXTURE AT SINGLE FIXTURE LOCATIONS

4. INSTALL TYPE "X" FIRE RATED GYPSUM BOARD AT ALL FIRE RATED PARTITIONS

5. INSTALL "BLUEBOARD" GYPSUM WALL BOARD AT PARTITIONS INDICATED TO RECEIVE VENEER PLASTER

6. STC RATINGS PROVIDE ONLY A GENERAL INDICATION OF ACOUSTIC PERFORMANCE UNDER LABORATORY TEST CONDITIONS. CONSTRUCTION DETAILS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS DEFINE THE SPECIFIC REQUIREMENTS FOR THE WORK

7. THE EXTRA LAYER OF GYPSUM WALL BOARD AT ASYMMETRICAL PARTITIONS IS TO BE INSTALLED ON THE SIDE OF THE PARTITION ON WHICH THE TYPE KEY IS SHOWN

8. SEE SPECIFICATION FOR ALL FIRE RESISTANT JOINT SYSTEMS FOR LOCATIONS ABUTTING METAL DECK & /OR CONCRETE STRUCTURE OVERHEAD

9. UNLESS INDICATED OTHERWISE, WALLS NOT SPECIFICALLY TAGGED SHALL ACQUIRE THE TYPE PROPERTIES OF ADJACENT PARTITIONS.

10. REFER TO STRUCTURAL FOR DEFLECTION CRITERIA WHEN DETERMINING GAUGE SIZES.

11. THE STC TEST RESULTS REFERENCED FOR INTERIOR PARTITIONS TYPICALLY INDICATE A METAL STUD SPACING OF 24" O.C.. **WER** PURPOSELY INDICATES METAL STUD SPACING TO BE 16" O.C. AT INTERIOR PARTITIONS FOR IMPROVED IMPACT RESISTANCE AND DURABILITY OF THE PARTITION. IT IS EXPECTED THAT THE ACOUSTIC PERFORMANCE OF THE PARTITION WILL BE MINUTELY REDUCED BY THIS CHANGE IN STUD SPACING, HOWEVER WE KNOW OF NO TEST RESULTS AVAILABLE TO SPECIFICALLY QUANTIFY THAT REDUCTION.

12. REFERENCE SPECIFICATIONS FOR TREATMENT OF WALL PENETRATIONS

13. COMPLY WITH THE SPECIFICATIONS, ASTM C 754-04 AND THE MANUFACTURER'S RECOMMENDATIONS FOR METAL STUD PARTITIONS AND WALL BRACING INSTALLATION REQUIREMENTS. REFER TO MANUFACTURER'S NON-COMPOSITE LIMITING HEIGHT TABLES FOR THE MAXIMUM ALLOWABLE PARTITION HEIGHTS FOR NON-COMPOSITE WALL ASSEMBLIES.

14. REFER TO STRUCTURAL FOR THE STRUCTURAL DESIGN PARAMETERS FOR MASONRY WALL ASSEMBLY INSTALLATION REQUIREMENTS AND LIMITS.

*15. WALLS NOTED ON INTERIOR ELEVATIONS AND FINISH SCHEDULES TO HAVE WOOD PANELING FINISH SHOULD HAVE PLYWOOD SHEATHING ON STUDS IN LIEU OF GYPBOARD

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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

KEY PLAN

SIGN & SEAL

WITTSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-687 ARKANSAS

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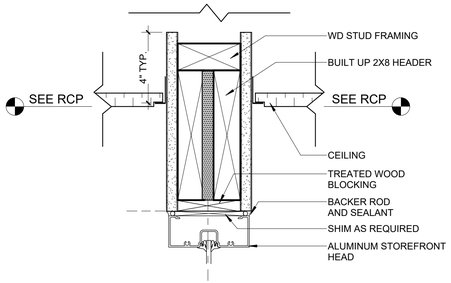
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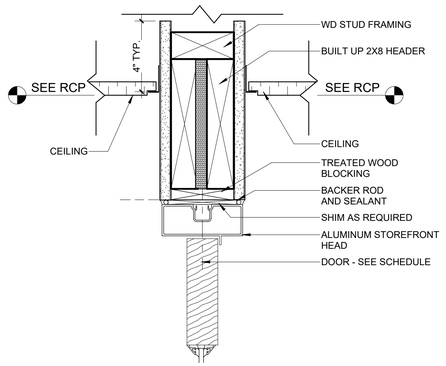
PARTITION SCHEDULE

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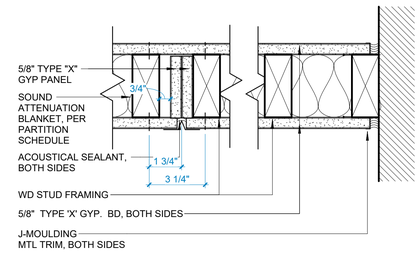
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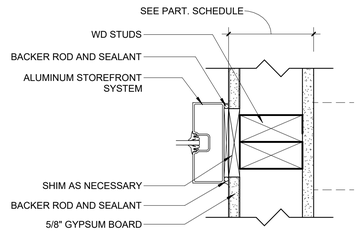
D3 STOREFRONT HEAD DETAIL1
3" = 1'-0"



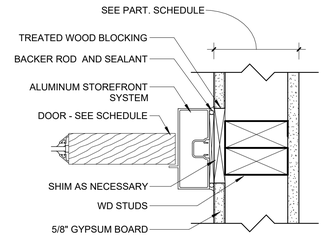
G3 STOREFRONT DOOR HEAD DETAIL1
3" = 1'-0"



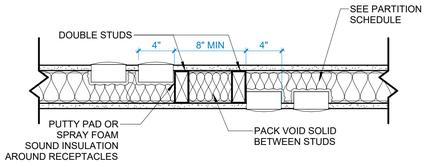
L3 1 HOUR SOUND-ISOLATING PARTITION CONTROL JOINT - PLAN1
3" = 1'-0"



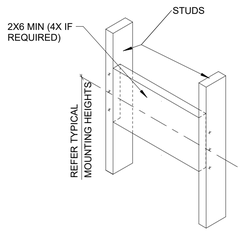
D6 STOREFRONT JAMB DETAIL1
3" = 1'-0"



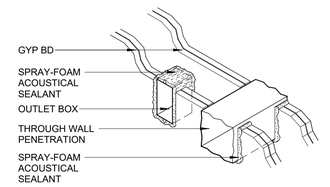
G6 STOREFRONT DOOR JAMB DETAIL1
3" = 1'-0"



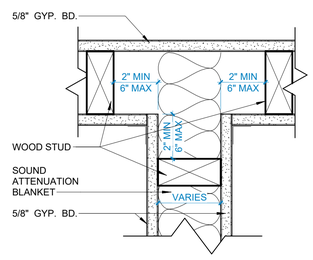
L6 BACK TO BACK RECEPTACLE DETAIL1
1 1/2" = 1'-0"



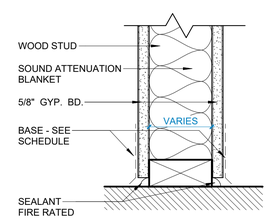
G8 TYPICAL BLOCKING DETAIL1
1/4" = 1'-0"



L8 OUTLET/ PENETRATION DETAIL1
1 1/2" = 1'-0"



G11 SOUND-ISOLATING PARTION - PLAN1
3" = 1'-0"



L11 SOUND-ISOLATING PARTION - SECTION1
3" = 1'-0"

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KEY PLAN

SIGN & SEAL

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

DRAWN BY

CHECKED BY

SHEET TITLE

PARTITION FRAMING DETAILS

SHEET NUMBER

A601

SAFETY GLASS LOCATIONS

NOT ALL CONDITIONS SHOWN BELOW ARE APPLICABLE TO THE SCOPE OF WORK.

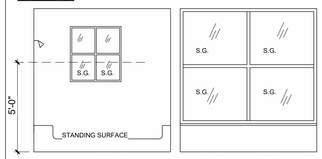
GLASS SCHEDULE FOR WALLS AND DOORS

NP - NOT PERMITTED
A - ACCEPTABLE
NR - NOT RECOMMENDED

		ANNEALED	WIRED	TEMPERED	LAMINATED	FIRE-RATED
FIRE-RATED	SAFETY NOT REQUIRED	NP	A	NP	NP	A
	SAFETY REQUIRED	NP	NP	NP	NP	A
NON- FIRE-RATED	SAFETY NOT REQUIRED	A	A	A	A	NR
	SAFETY REQUIRED	NP	NP	A	A	NR

SAFETY GLAZING IS REQUIRED FOR:

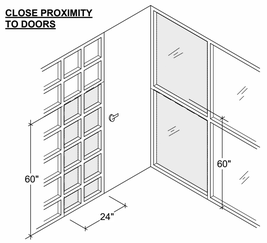
WET AREAS



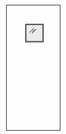
ANY GLASS AROUND THESE AREAS AT 60" OR LESS ABOVE THE STANDING SURFACE IS TO BE SAFETY GLASS.

SAFETY GLASS IS TO BE USED FOR ALL DOORS AT HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATH TUBS OR SHOWERS.

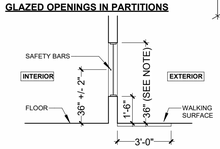
CLOSE PROXIMITY TO DOORS



GLAZED OPENINGS IN DOORS

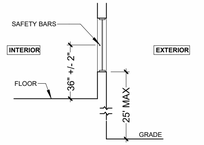


GLAZED OPENINGS IN PARTITIONS



SAFETY GLASS IS REQUIRED WHEN THE FOLLOWING CONDITIONS ARE PRESENT:
- TOP OF GLAZING IS GREATER THAN OR EQUAL TO 36" AFF
- AREA OF SINGLE PANE IS GREATER THAN 9 SF
- BOTTOM OF GLAZING IS LESS THAN OR EQUAL TO 18" AFF
- WALKING SURFACE IS LOCATED WITHIN 36" OF ONE OR BOTH SIDES

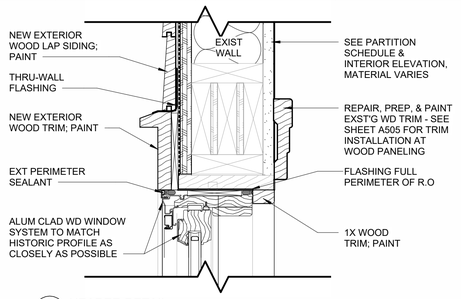
EXCEPTION:
GLASS DOES NOT NEED TO BE SAFETY GLASS WHEN 1 1/2" SAFETY BAR IS INSTALLED WHERE WALKING SURFACE IS WITHIN 36" OF GLASS.



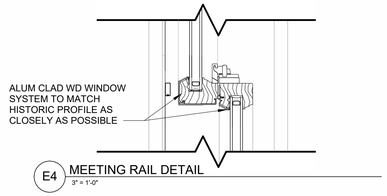
SAFETY GLASS IS REQUIRED AT INTERIOR LITE WHEN BOTTOM OF GLAZING IS LESS THAN OR EQUAL TO 18" AFF.

EXCEPTION:
INTERIOR LITE DOES NOT NEED TO BE SAFETY GLASS WHEN 1 1/2" SAFETY BAR IS INSTALLED

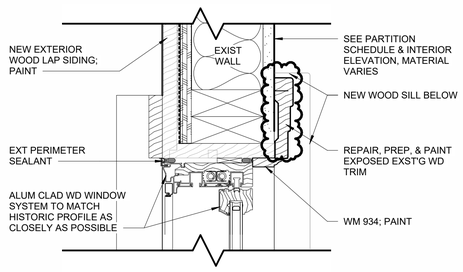
SAFETY GLASS IS REQUIRED FOR EXTERIOR LITES EXCEPT WHEN THE BOTTOM OF THE GLAZING IS GREATER THAN OR EQUAL TO 25 FEET ABOVE GRADE.



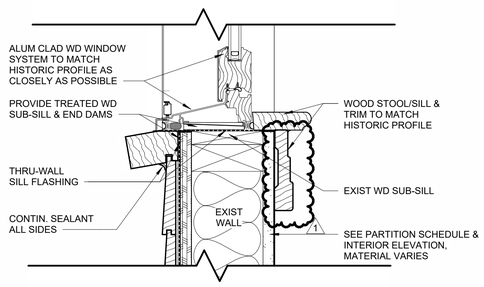
E3 HEADER DETAIL
3" = 1'-0"



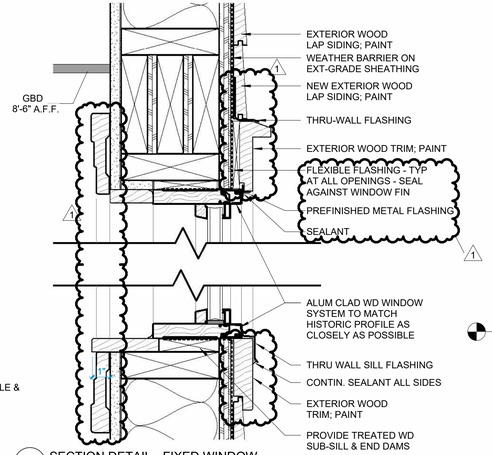
E4 MEETING RAIL DETAIL
3" = 1'-0"



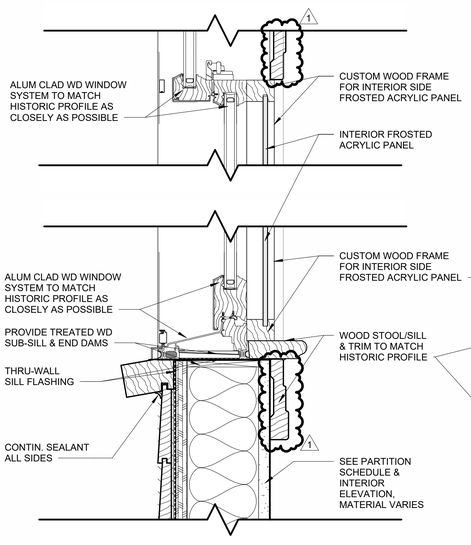
E6 JAMB DETAIL
3" = 1'-0"



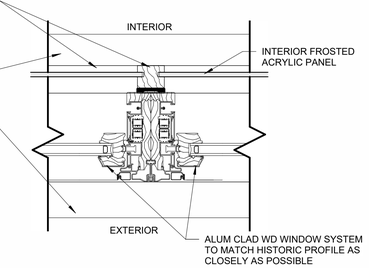
E9 SILL DETAIL
3" = 1'-0"



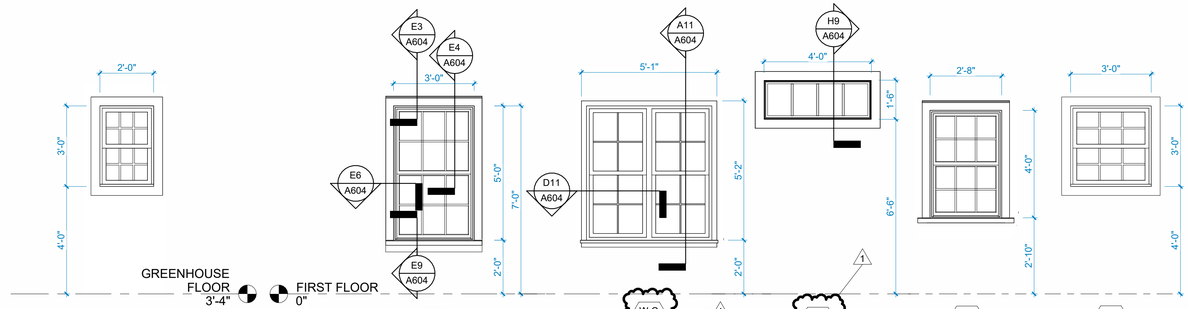
H9 SECTION DETAIL - FIXED WINDOW
3" = 1'-0"



A11 MEETING RAIL & SILL DETAIL - KITCHEN 111
3" = 1'-0"

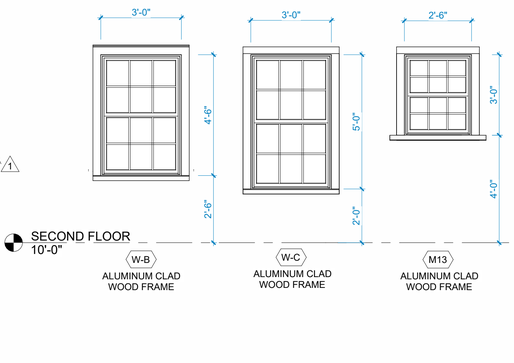


D11 VERTICAL CENTER MULL DETAIL
3" = 1'-0"



WINDOW SCHEDULE

MARK	TYPE	SILL HT.
FIRST FLOOR		
1.1	W-A	2'-0"
1.2	W-A	2'-0"
1.3	W-A	2'-0"
1.4	W-A	2'-0"
1.5	W-A	2'-0"
1.6	W-A	2'-0"
1.7	W-C	1'-10"
1.8	W-D	6'-6"
1.9	W-D	6'-6"
1.10	W-D	6'-6"
1.11	W-D	6'-6"
1.12	W-D	6'-6"
1.13	W-D	6'-6"
1.14	W-D	6'-6"
1.16	W-H	1'-0"
1.17	W-G	1'-0"
1.18	W-J	0'-0"
1.19	W-J	0'-0"
1.20	W-K	0'-0"
1.21	W-L	0'-0"
1.22	W-L	0'-0"
1.23	W-L	0'-0"
1.24	W-L	0'-0"
1.25	W-L	0'-0"
1.26	W-K	0'-0"
1.27	W-J	0'-0"
1.28	W-J	0'-0"
1.29	W-F	0'-0"
1.30	W-A	2'-0"
1.31	W-A	2'-0"
1.32	W-A	2'-0"
1.33	W-A	2'-0"
SECOND FLOOR		
2.1	W-A	2'-0"
2.2	W-A	2'-0"
2.3	W-A	2'-0"
2.4	W-A	2'-0"
2.5	W-A	2'-0"
2.6	W-B	2'-8"
2.7	W-M	4'-2"
2.8	W-A	2'-0"
2.9	W-A	2'-0"
2.10	W-A	2'-0"
MAINTENANCE BUILDING		
M.1	M1	2'-10"
M.2	M1	2'-10"
M.3	M1	2'-10"
M.4	M1	2'-10"
M.5	M1	2'-10"
M.6	M2	4'-0"
GARDEN SHED		
G.1	G1	4'-0"
G.2	G1	4'-0"



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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
1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

WITTSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS NO. C-987 ARKANSAS

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CHECKED BY

SHEET TITLE

WINDOW SCHEDULE

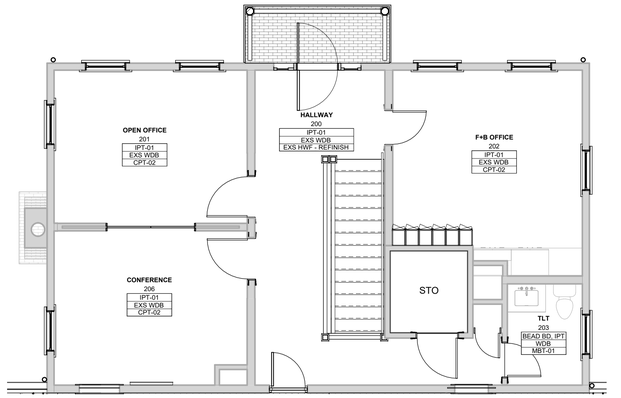
SHEET NUMBER

A604

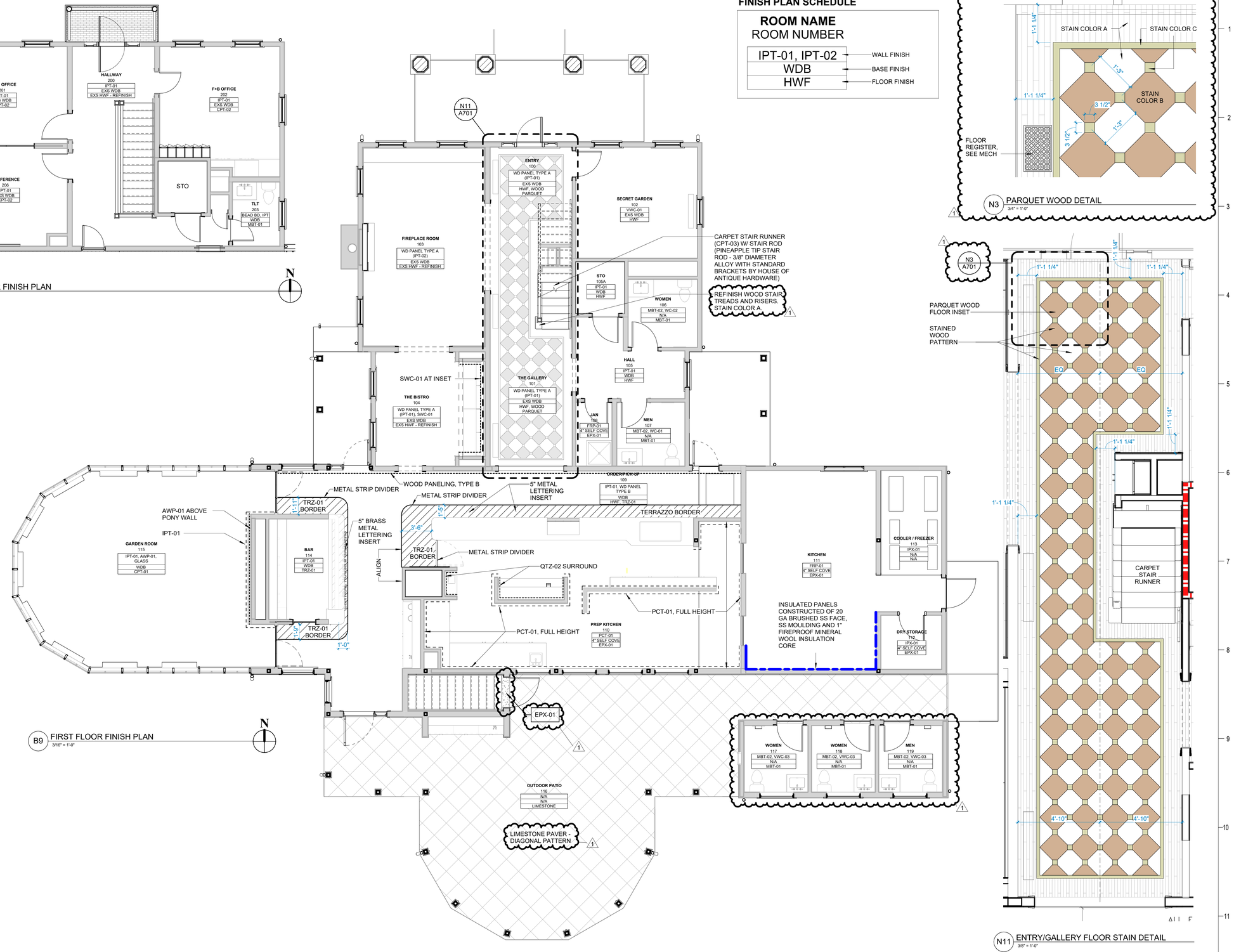
FINISH PLAN SCHEDULE

ROOM NAME
ROOM NUMBER

IPT-01, IPT-02	WALL FINISH
WDB	BASE FINISH
HWF	FLOOR FINISH



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



B9 FIRST FLOOR FINISH PLAN
3/16" = 1'-0"

N3 PARQUET WOOD DETAIL
3/4" = 1'-0"

N11 ENTRY/GALLERY FLOOR STAIN DETAIL
3/8" = 1'-0"

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KEY PLAN

SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS No C-449 ARKANSAS

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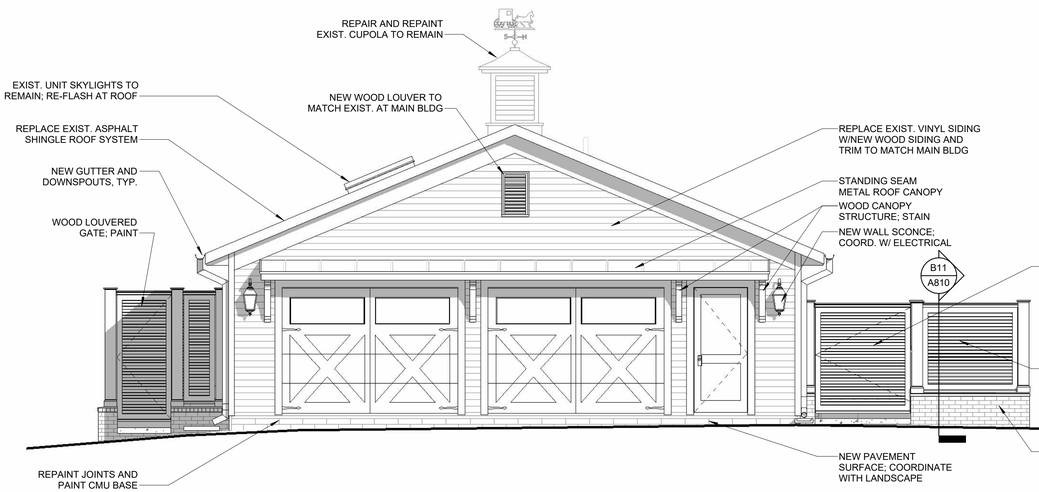
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SHEET TITLE

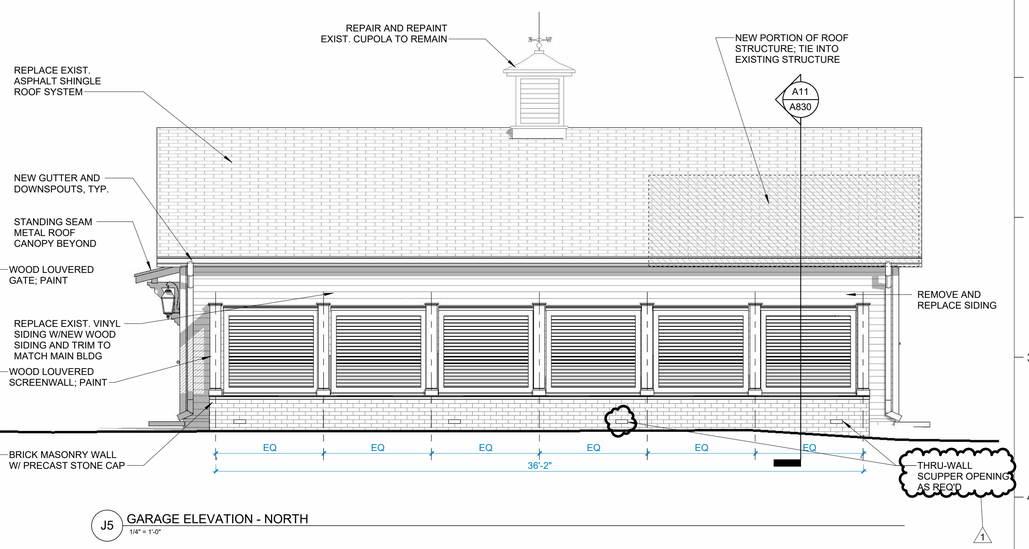
FINISH FLOOR PLAN

SHEET NUMBER

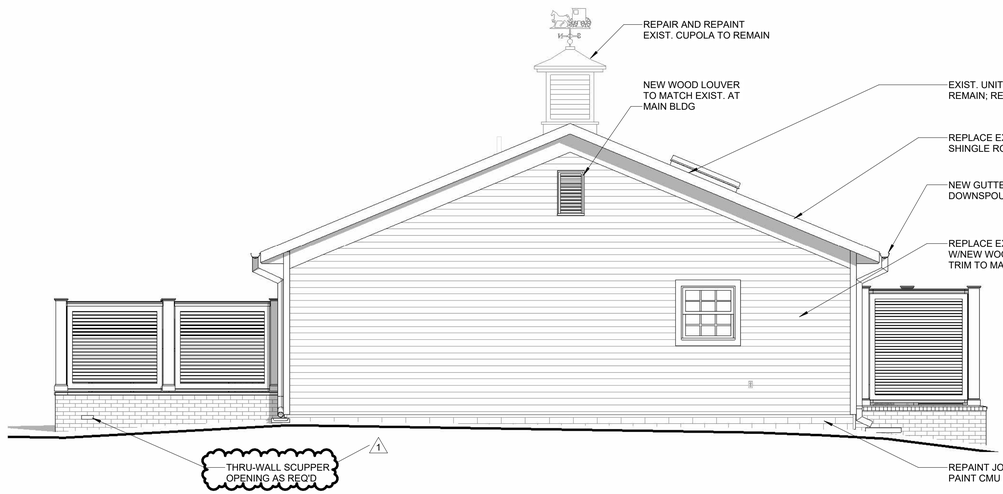
A701



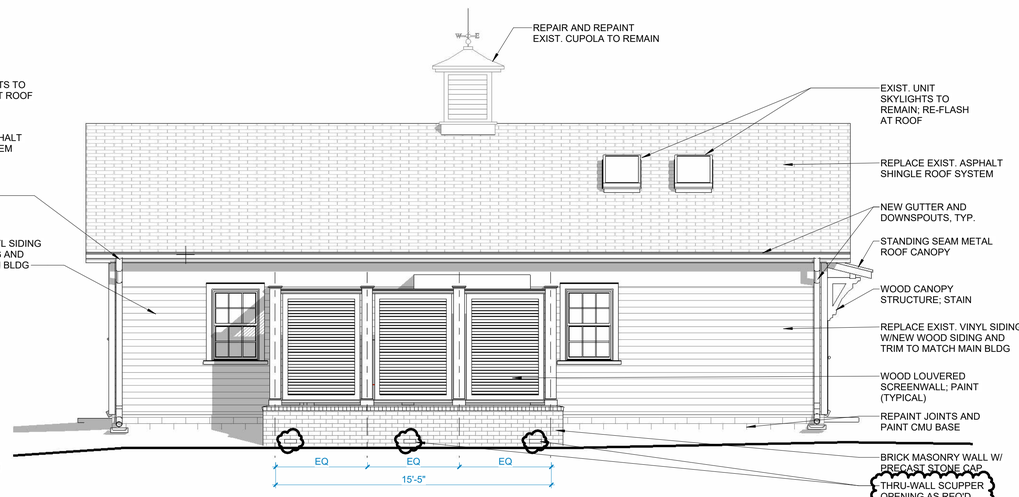
B5 GARAGE ELEVATION - EAST
1/4" = 1'-0"



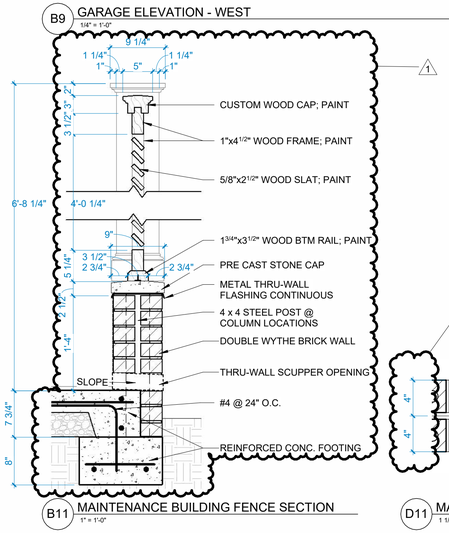
J5 GARAGE ELEVATION - NORTH
1/4" = 1'-0"



B9 GARAGE ELEVATION - WEST
1/4" = 1'-0"



H9 GARAGE ELEVATION - SOUTH
1/4" = 1'-0"



B11 MAINTENANCE BUILDING FENCE SECTION
1" = 1'-0"

D11 MAINTENANCE BUILDING PLAN DETAIL
1 1/2" = 1'-0"

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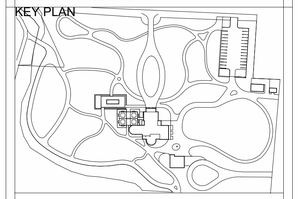
CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
	FINAL CD's	10/2/2026
1	ADDENDUM #1	10/16/26

KEY PLAN



SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-46 ARKANSAS

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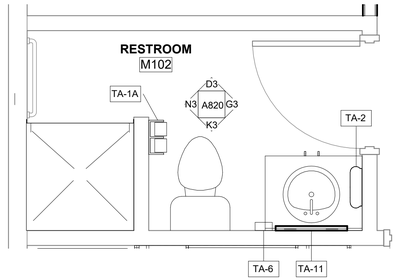
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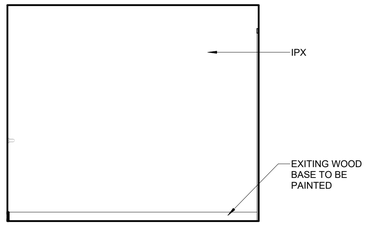
MAINTENANCE BUILDING EXTERIOR ELEVATIONS

SHEET NUMBER

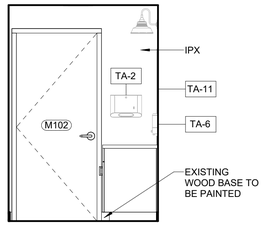
A810



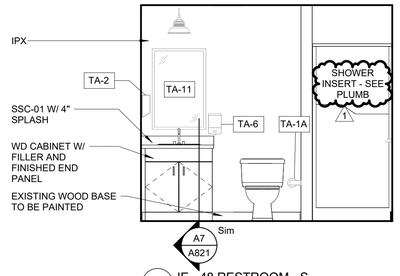
A3 EP - MAINTENANCE RESTROOM
1/2" = 1'-0"



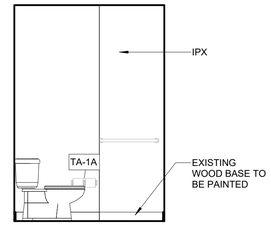
D3 IE - 48 RESTROOM - N
3/8" = 1'-0"



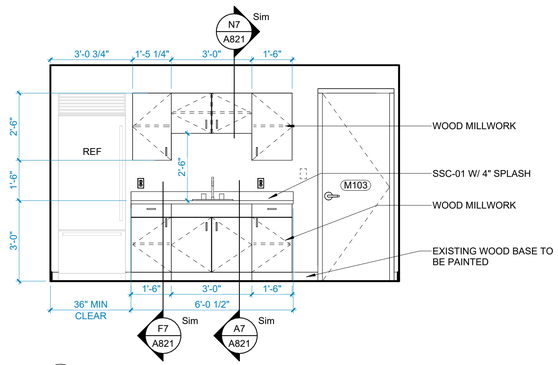
G3 IE - 48 RESTROOM - E
3/8" = 1'-0"



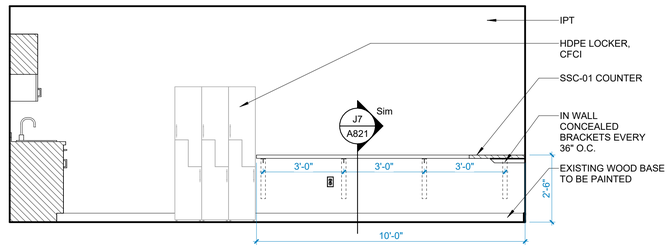
K3 IE - 48 RESTROOM - S
3/8" = 1'-0"



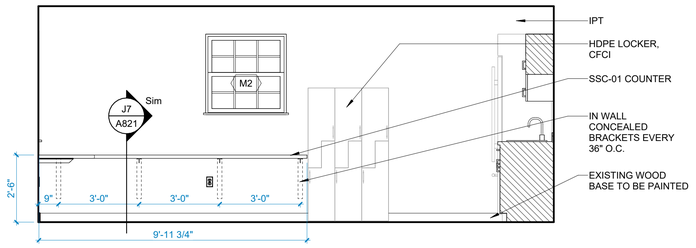
N3 IE - 48 RESTROOM - W
3/8" = 1'-0"



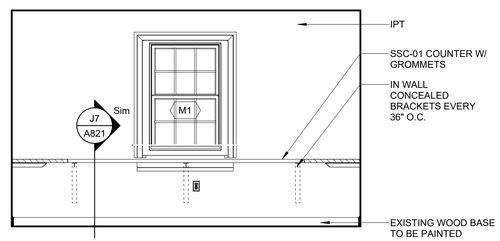
A6 IE - M103 OFFICE N
3/8" = 1'-0"



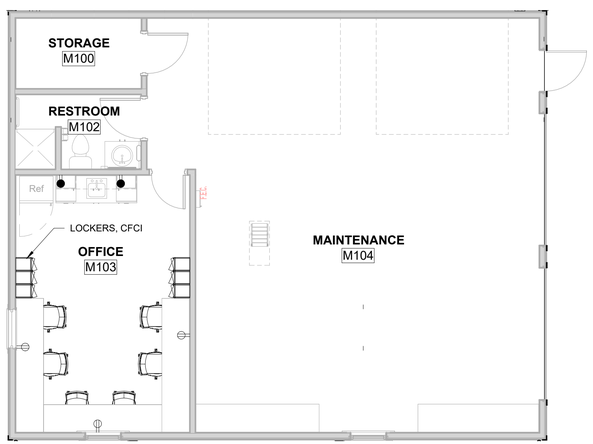
E6 IE - M103 OFFICE E
3/8" = 1'-0"



K6 IE - M103 OFFICE W
3/8" = 1'-0"



K9 IE - M103 OFFICE S
3/8" = 1'-0"



1 MAINTENANCE BLDG - FURNITURE
3/16" = 1'-0"

MAINTENANCE - FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
M100	STORAGE	GRIND & SEAL CONCRETE	WDB	IPT-01	GBD (IPT-01)	
M101	CLO.	GRIND & SEAL CONCRETE	EXS WDB	IPT-01	GBD (IPT-01)	
M102	RESTROOM	GRIND & SEAL CONCRETE	EXS WDB	IPX-01	GBD (IPX-01)	
M103	OFFICE	GRIND & SEAL CONCRETE	EXS WDB	IPT-01	GBD (IPT-01)	
M104	MAINTENANCE	GRIND & SEAL CONCRETE	EXS WDB	IPT-01	GBD (IPT-01)	

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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
1	ADDENDUM #1	10/16/26

KEY PLAN

SIGN & SEAL

WITSELL, EVANS & RASCO P.A. REGISTERED ARCHITECTS NO C-447 ARKANSAS

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SHEET TITLE

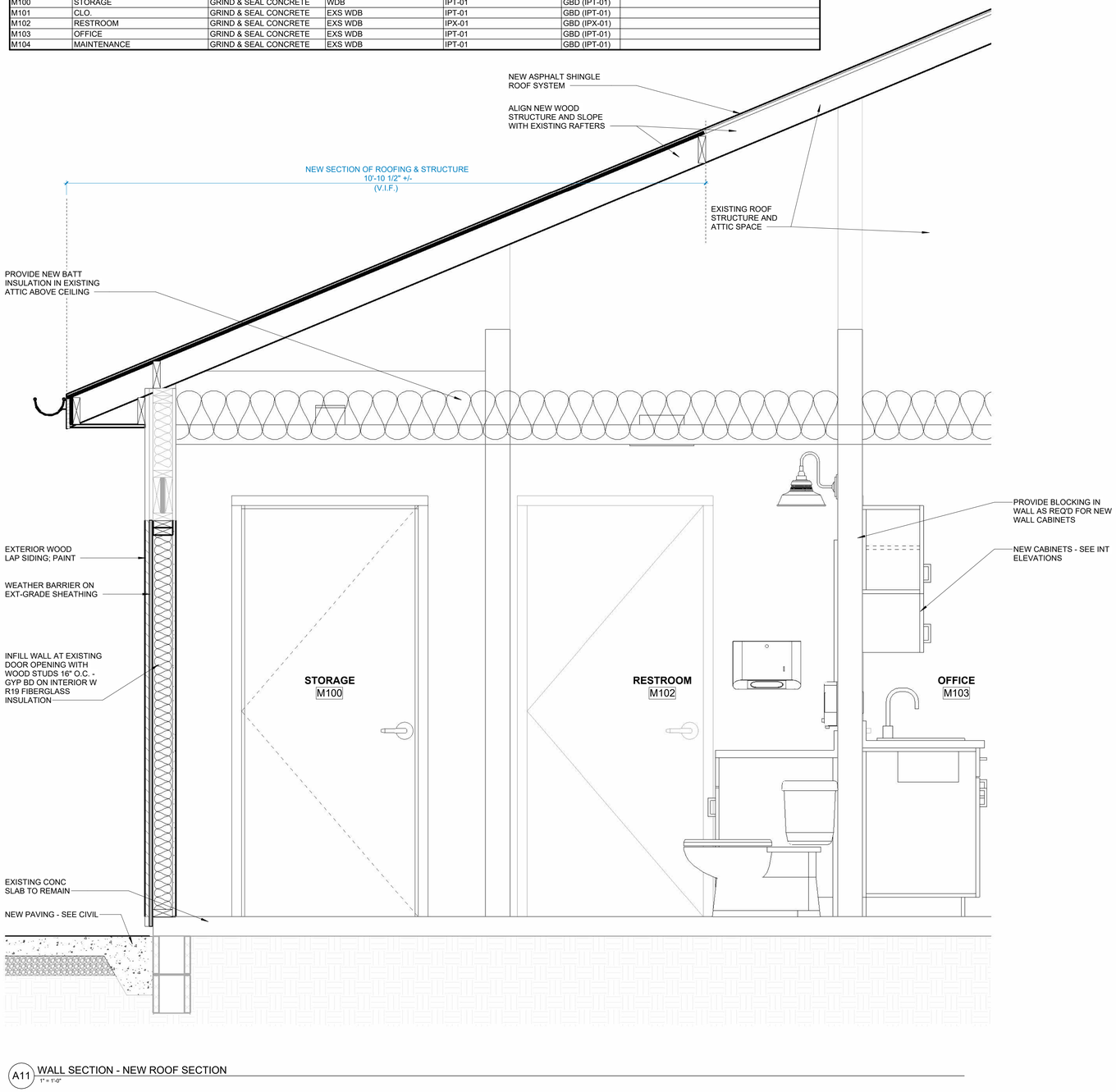
MAINTENANCE BUILDING ENLG. PLANS AND INTERIOR ELEVS

SHEET NUMBER

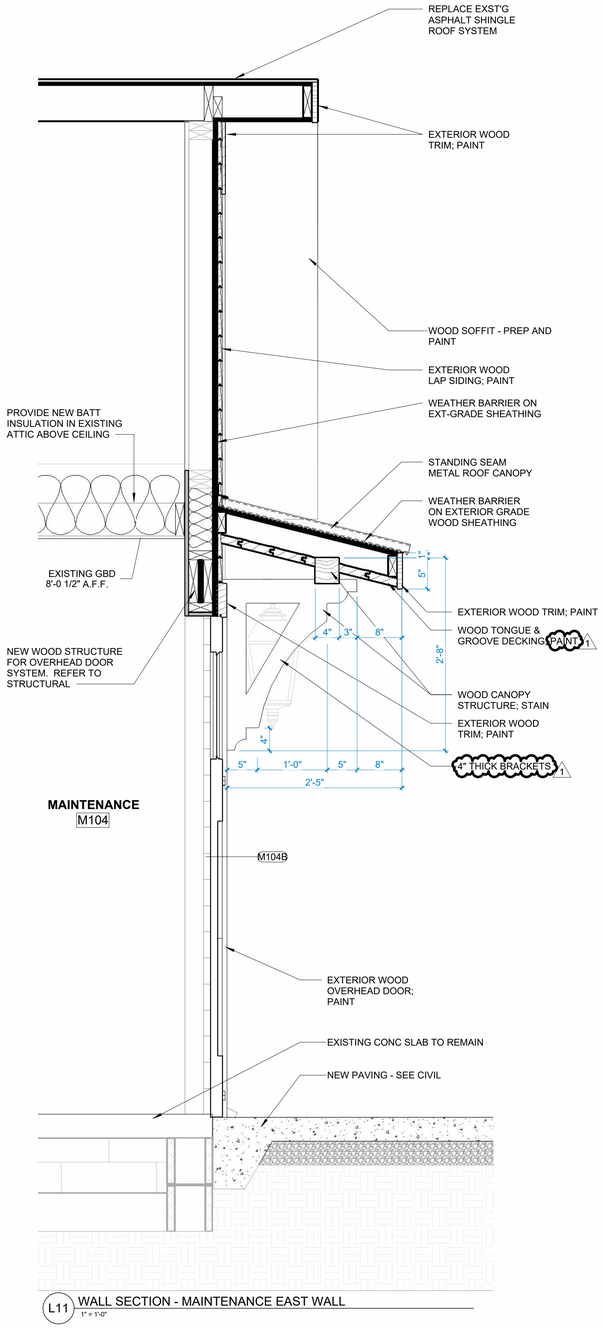
A820

MAINTENANCE - FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
M100	STORAGE	GRIND & SEAL CONCRETE	WDB	IPT-01	GBD (IPT-01)	
M101	CLO.	GRIND & SEAL CONCRETE	EXS WDB	IPT-01	GBD (IPT-01)	
M102	RESTROOM	GRIND & SEAL CONCRETE	EXS WDB	IPX-01	GBD (IPX-01)	
M103	OFFICE	GRIND & SEAL CONCRETE	EXS WDB	IPT-01	GBD (IPT-01)	
M104	MAINTENANCE	GRIND & SEAL CONCRETE	EXS WDB	IPT-01	GBD (IPT-01)	



A11 WALL SECTION - NEW ROOF SECTION
1" = 1'-0"



L11 WALL SECTION - MAINTENANCE EAST WALL
1" = 1'-0"

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561 SEVENTH AVENUE FLOOR 11
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CONSULTANTS

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CRAFTON TULL & ASSOCIATES, INC.
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ROGERS, AR 72756
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INSIGHT ENGINEERING
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KEY PLAN

SIGN & SEAL

WITSELL EVANS & RASCO P.A. REGISTERED ARCHITECTS ND C-49 ARKANSAS

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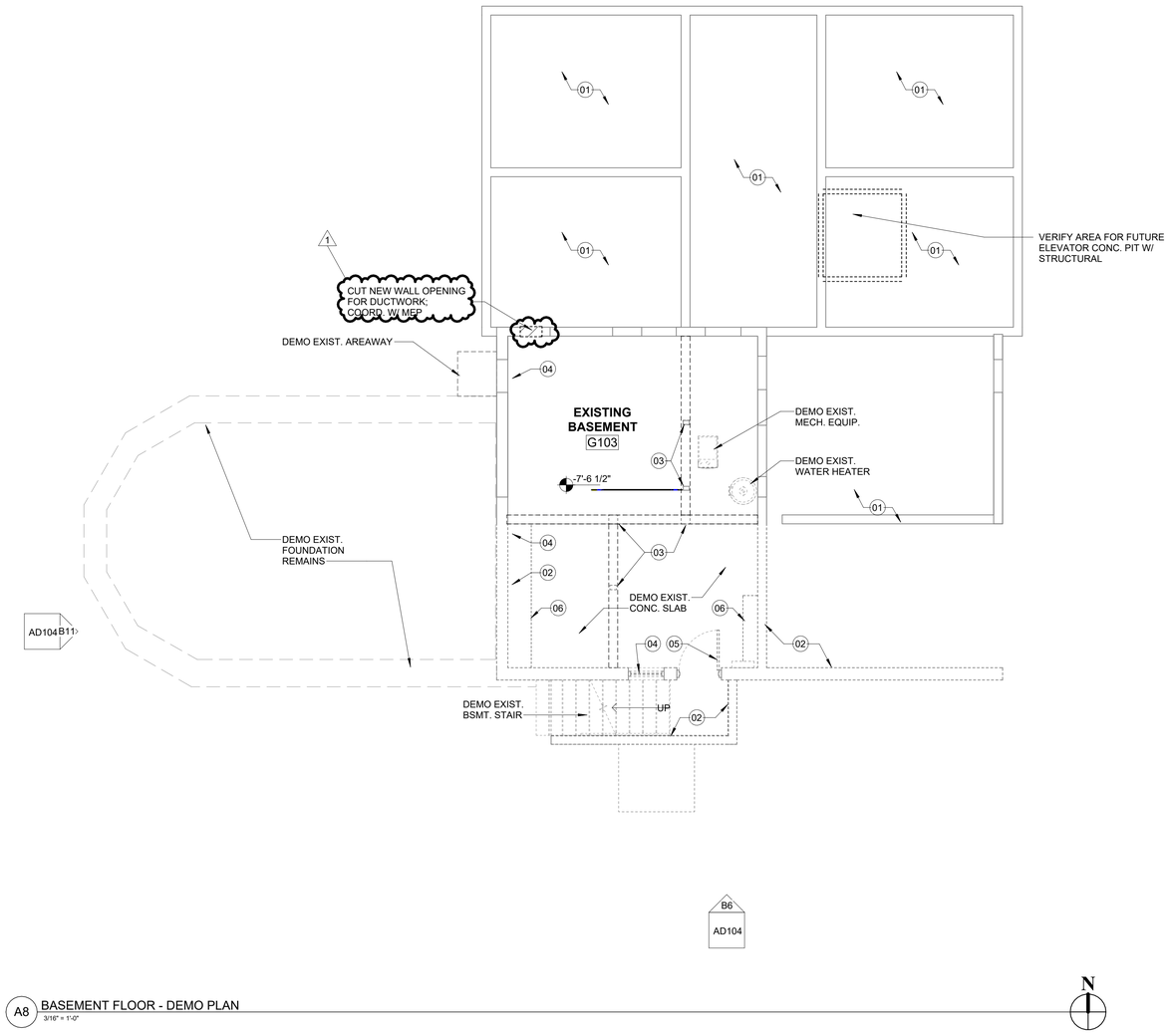
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SHEET TITLE

MAINTENANCE BUILDING DETAILS

SHEET NUMBER

A830



A8 BASEMENT FLOOR - DEMO PLAN
3/16" = 1'-0"

GENERAL DEMOLITION NOTES

1. CONTRACTOR TO SURVEY EXIST. CONDITIONS AND COORDINATE WITH REQUIREMENTS INDICATED TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.

2. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS ARE ENCOUNTERED, INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF THE CONFLICT. NOTIFY ARCHITECT IMMEDIATELY.

3. ALL EXIST. STRUCTURE THAT IS SHOWN IS FOR REFERENCE ONLY AND IS TO BE FIELD VERIFIED BY THE CONTRACTOR. NO STRUCTURAL MEMBERS SHALL BE CUT, ALTERED, WITHOUT PRIOR APPROVAL BY THE ARCHITECT/STRUCTURAL ENGINEER. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.

4. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE MEANS AND METHODS OF DEMOLITION AND THE SAFETY OF THE EXIST. STRUCTURE.

5. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE. ENSURE SAFE PASSAGE OF PEOPLE AROUND SELECTIVE DEMOLITION AREAS.

6. PROTECT WALLS, CEILINGS, FLOORS, AND OTHER EXIST. FINISH WORK THAT IS TO REMAIN AND/OR IS EXPOSED DURING SELECTIVE DEMOLITION OPERATIONS.

7. DEBRIS TO BE REMOVED FROM WORK AREA TO A DUMPSTER. PROTECT ROUTE AS REQUIRED. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. CONTRACTOR TO VERIFY PROPOSED LOCATION OF DUMPSTER WITH HENDRIX FACILITIES.

8. PROTECT ADJACENT EXTERIOR MATERIAL TO REMAIN DURING DEMOLITION.

9. FOR ALL DEMOLITION PLANS REFER TO DEMOLITION KEY NOTES TO DETERMINE THE FULL EXTENT OF SELECTIVE DEMOLITION.

10. DEMOLISH AND REMOVE EXIST. CONSTRUCTION ONLY TO THE EXTENT INDICATED ON DEMOLITION PLAN AND/OR AS REQUIRED TO INSTALL NEW WORK SHOWN/SPECIFIED ELSEWHERE. USE METHODS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:

   A. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES, USE HAND OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING.

   B. CUT OR DRILL FROM THE EXPOSED OR FINISHED SIDE INTO CONCEALED SURFACES TO AVOID MARRING EXIST. FINISHED SURFACES. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY. ON-SITE STORAGE OF REMOVED ITEMS IS PROHIBITED UNLESS STORED IN DUMPSTER.

11. REMOVE ALL REMAINING FURNITURE AS REQUIRED

12. REMOVE ALL EXIST. TACKBOARDS IN PUBLIC SPACES & CORRIDORS.

13. SALVAGE ALL EXIST. WOOD TRIM AT WALLS SHOWN TO BE REMOVED. INSTALL SALVAGED TRIM AT NEW WALLS WHERE SPECIFIED

14. ALL EXTERIOR DEMO ITEMS (WINDOWS, DOORS, CONCRETE PADS, BRICK PAVERS, SCREEN WALL ETC...) WILL BE ADDRESSED IN FINAL CONSTRUCTION PACKAGE

SHEET KEY NOTES

01 EXIST. CRAWLSPACE TO REMAIN
02 DEMO EXIST. CONCRETE WALL
03 DEMO EXIST. WOOD POSTS/ FRAMING
04 DEMO EXIST. WINDOW
05 DEMO EXIST. DOOR
06 DEMO EXIST. SHELVING/ MILLWORK
07
08
09
10
11
12

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KEY PLAN

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

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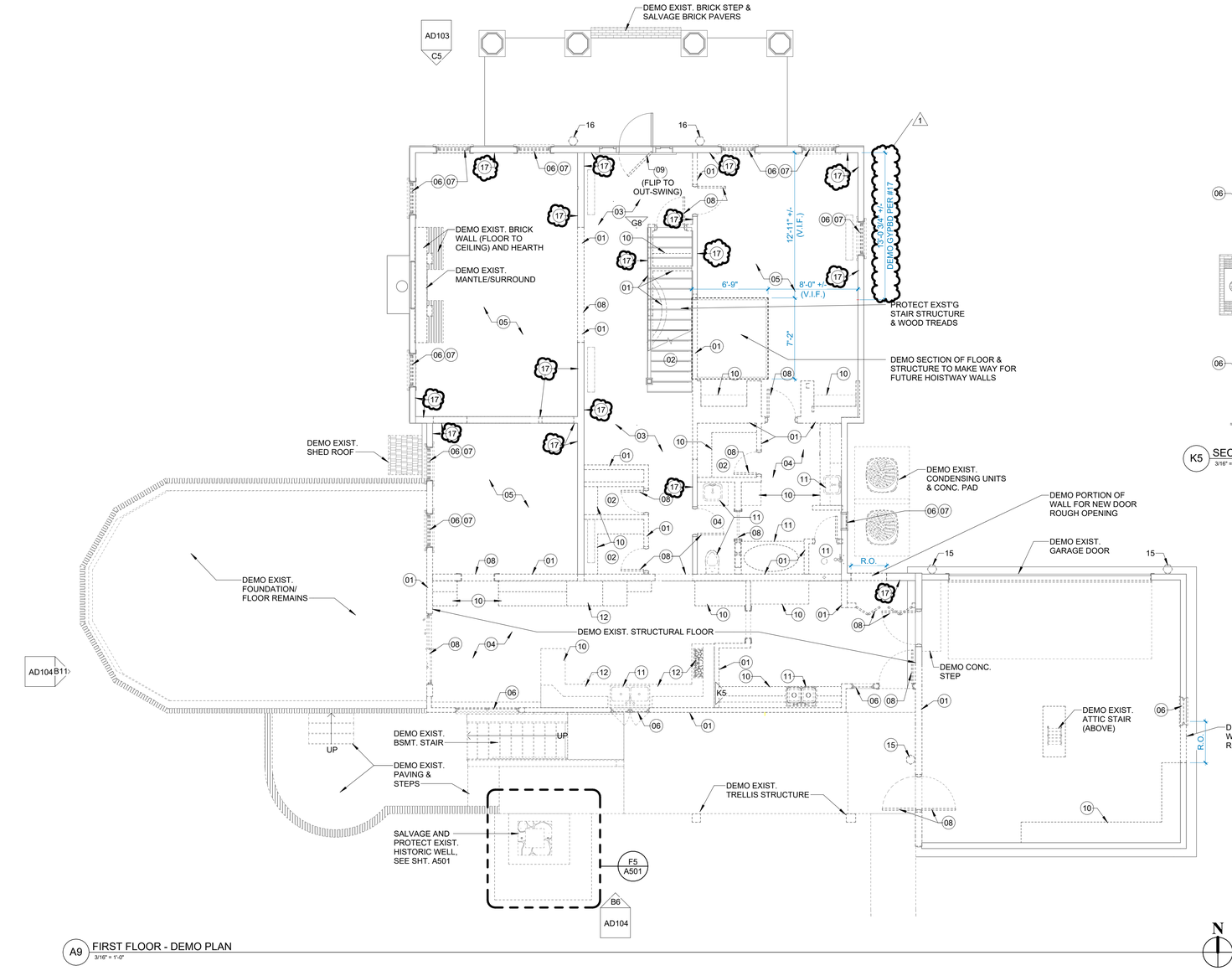
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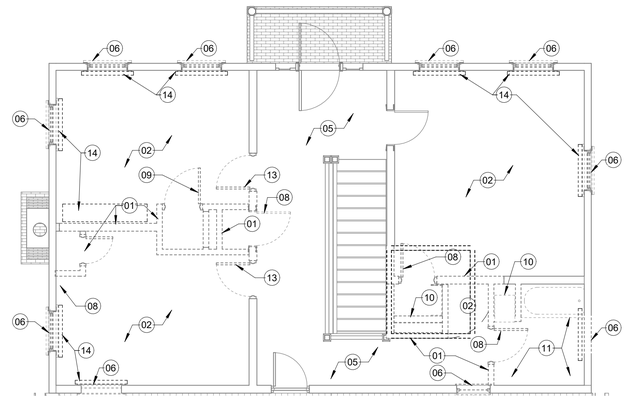
SHEET TITLE

DEMOLITION PLAN - BASEMENT

SHEET NUMBER

AD100





K5 SECOND FLOOR - DEMO PLAN
3/16" = 1'-0"

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SHEET KEY NOTES

01 DEMO EXIST. WOOD-FRAMED WALL
02 DEMO EXIST. CARPET & PAD
03 DEMO EXIST. POLISHED STONE FLOOR
04 DEMO EXIST. FLOOR COVERING (INCL. ACM)
05 PROTECT EXIST. HARDWOOD FLOOR TO BE REFINISHED
06 DEMO EXIST. WINDOW
07 DEMO EXIST. INTERIOR WINDOW SHUTTERS
08 DEMO EXIST. DOOR OR CASED OPENING
09 REMOVE AND SALVAGE EXIST. DOOR & HARDWARE
10 DEMO EXIST. CABINETS/MILLWORK
11 DEMO EXIST. PLUMBING FIXTURE
12 DEMO EXIST. APPLIANCE
13 SALVAGE & RELOCATE EXIST. DOOR & TRIM
14 DEMO EXIST. WINDOW TREATMENTS
15 DEMO EXIST. WALL SCONCE
16 SALVAGE AND PROTECT EXIST. WALL SCONCE
17 DEMO EXIST. GYP.BOARD ALL PANELED WALLS PLUS THE SECRET GARDEN ROOM (1)

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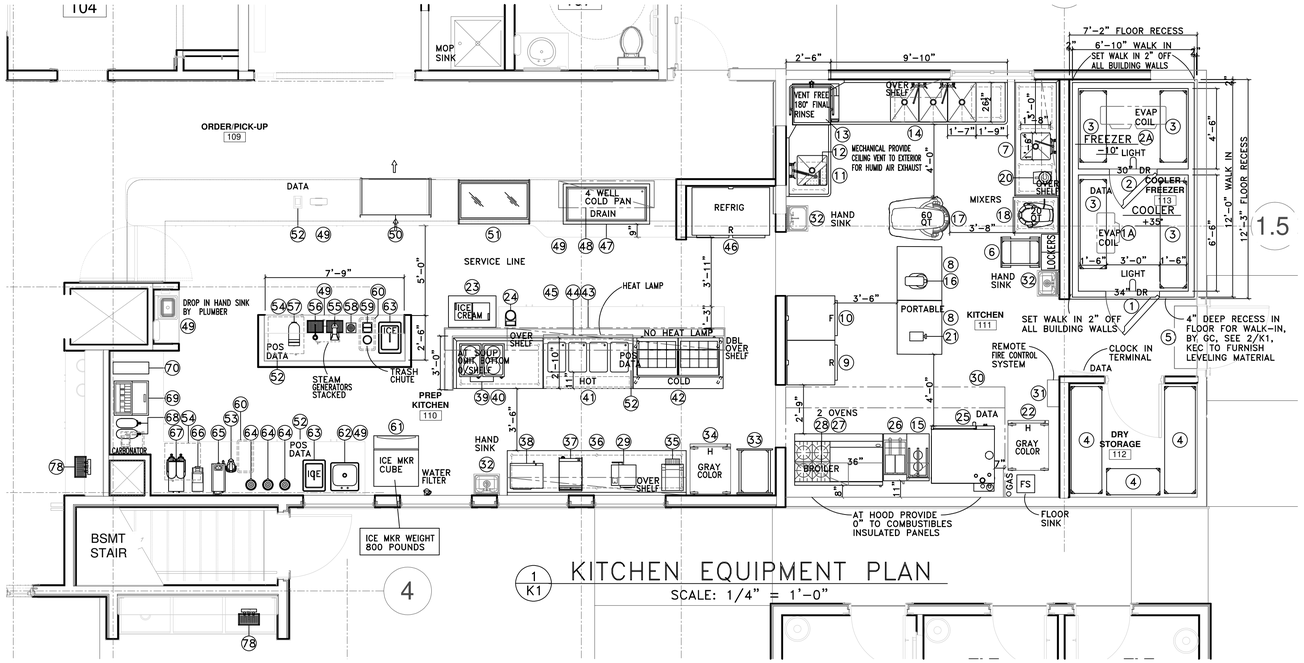
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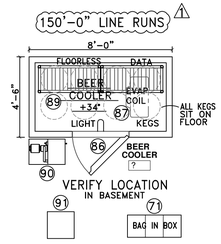
DEMOLITION PLAN - FIRST AND SECOND FLOORS

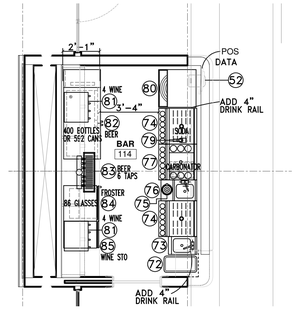
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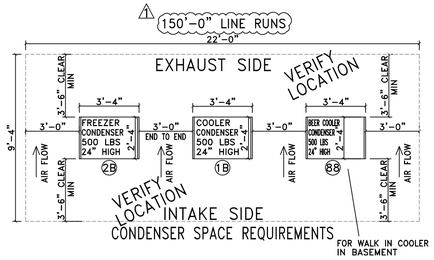
AD101



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



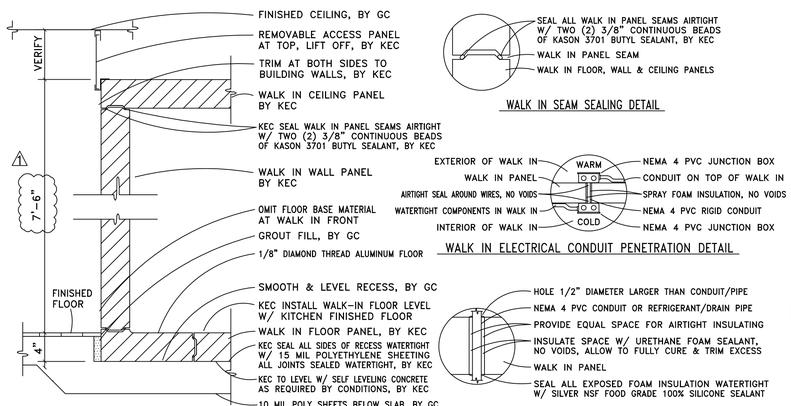




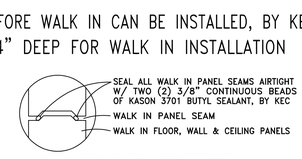
KITCHEN EQUIPMENT LIST

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	1	WINE COOLER, WHITE/RED, BAR	TWO COMPARTMENT
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



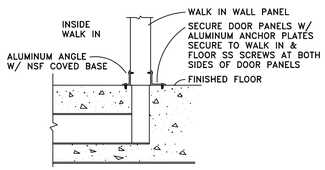
2 K1 WALK-IN DETAIL
SCALE: NONE



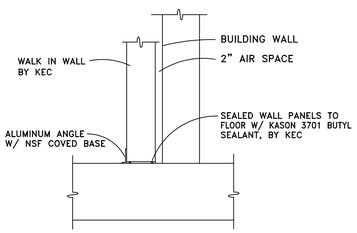
WALK IN SEAM SEALING DETAIL

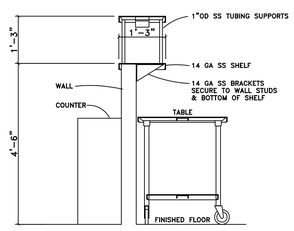
WALK IN ELECTRICAL CONDUIT PENETRATION DETAIL

WALK IN CONDUIT/PIPE SEALING DETAIL



WALK IN ANCHOR PLATE DETAIL





3 K1 SERVING LINE – SECTION
SCALE: NONE

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STRUCTURAL ENGINEERS
ENFRA TME, LLC
BUILDING 2, 1 ALLIED DRIVE, STE 2600
LITTLE ROCK, AR 72202
(501) 666 6776

FOOD SERVICE CONSULTANT
MCKAY-LANE CONSULTING, LTD
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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

KEY PLAN

SIGN & SEAL

DRAWN BY: VPMII

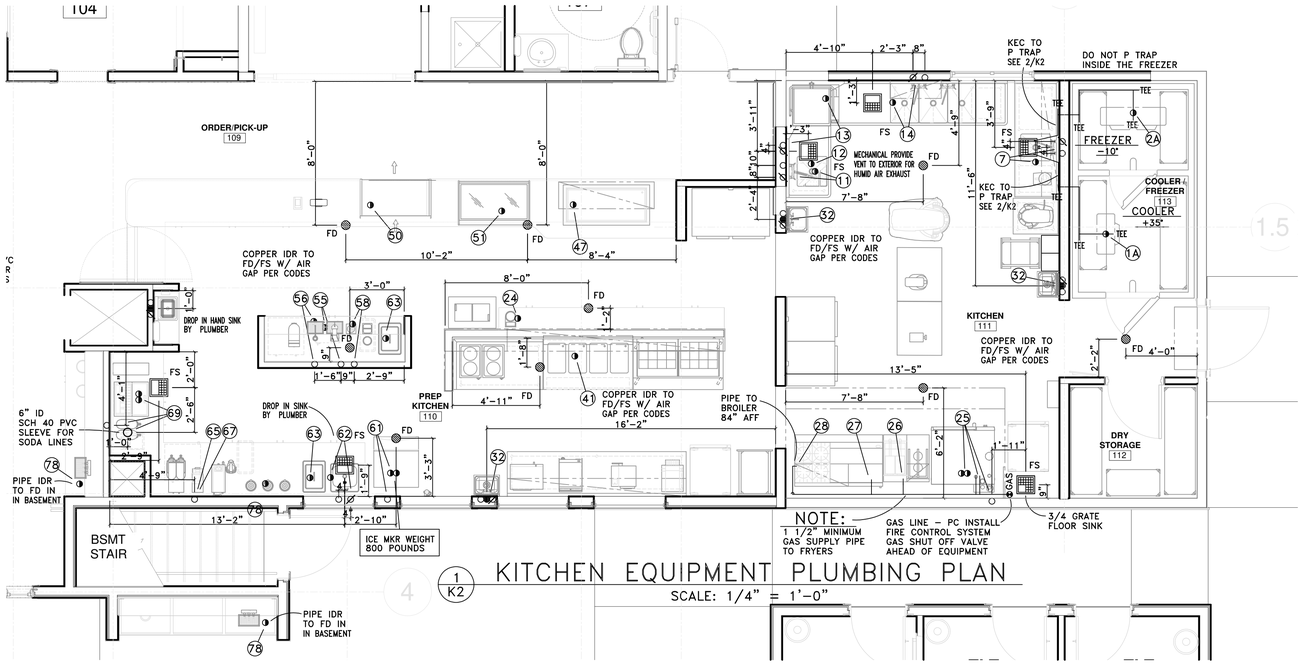
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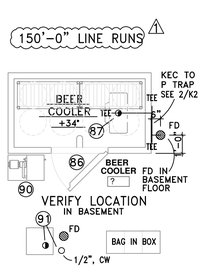
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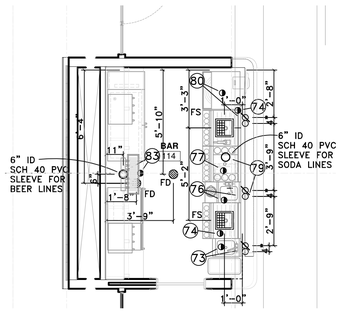
KITCHEN & BAR EQUIPMENT PLAN

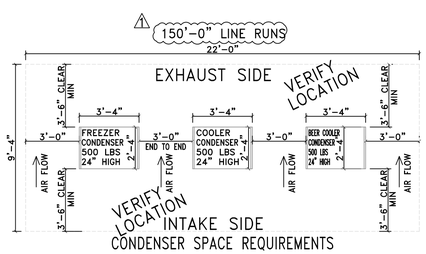
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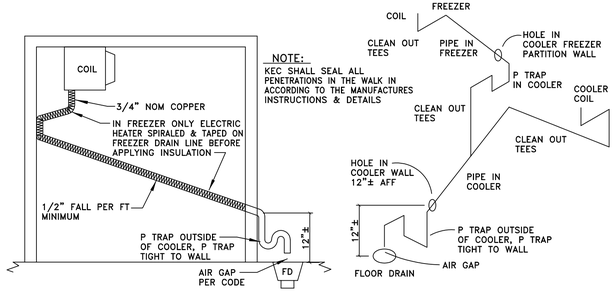
K1



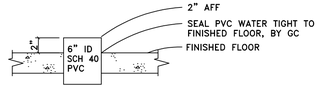








2/K2 WALK IN DRAIN LINE - DETAIL
SCALE: NONE



3/K2 BEVERAGE LINE SLEEVE
SCALE: NONE

KITCHEN EQUIPMENT PLUMBING REQUIREMENTS

NO	QTY	ITEM	WATER CW	WATER HW	DRAIN AFF	DRAIN DR	GAS 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	1	WINE COOLER, WHITE/RED, BAR									
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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561 SEVENTH AVENUE FLOOR 11
NEW YORK, NY 10018
(212) 589 2263

WER ARCHITECTS
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PROJECT TITLE

CENTRAL HOUSE & GARDEN
BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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	ADDENDUM #01	10/16/2026

KEY PLAN

SIGN & SEAL

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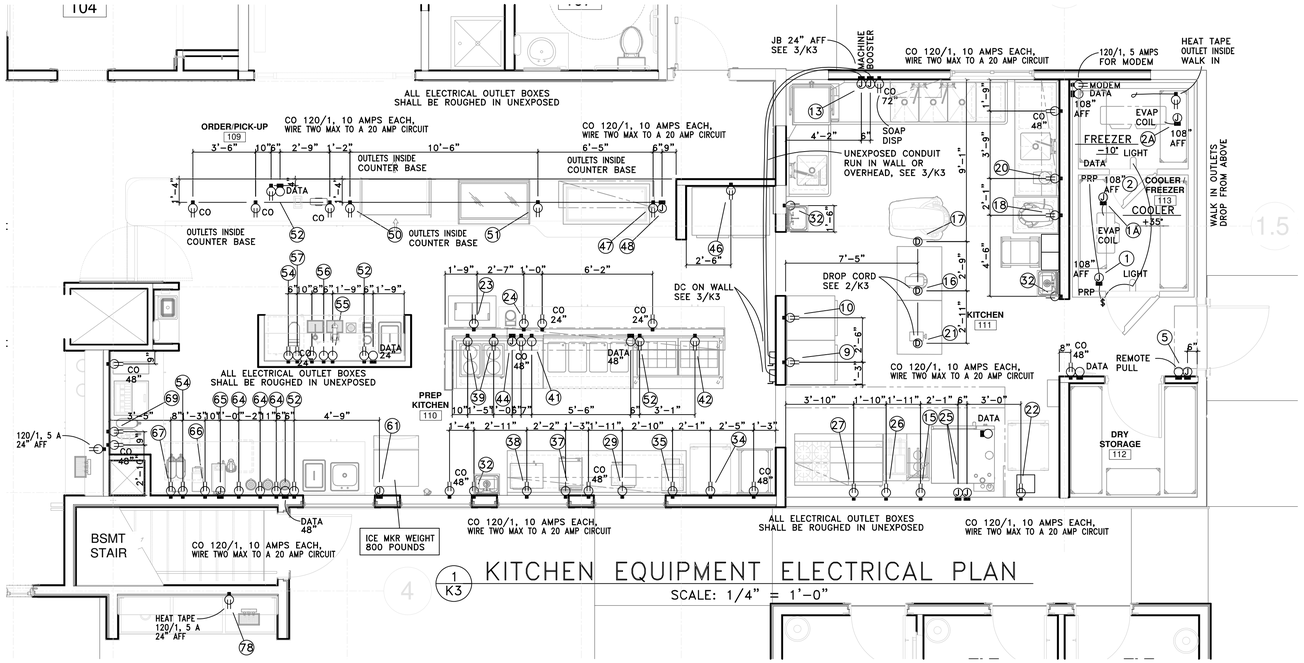
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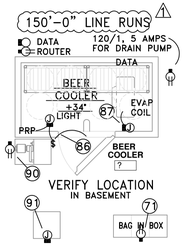
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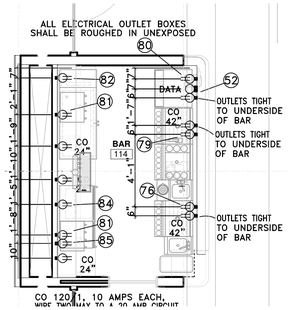
KITCHEN & BAR EQUIPMENT PLUMBING PLAN

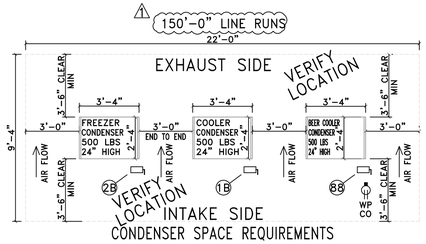
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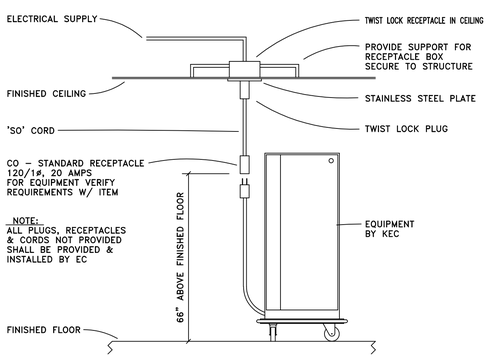
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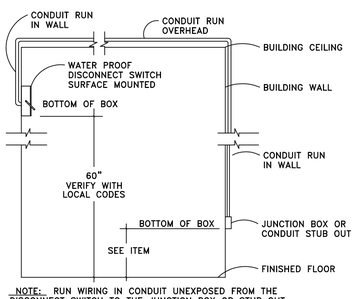




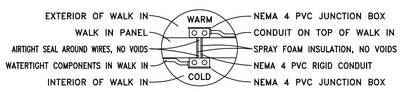




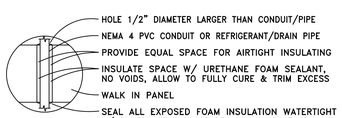
2 K3 DROP CORD – DETAIL
SCALE: NONE



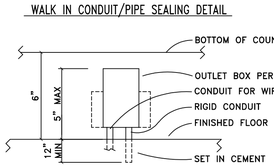
3 K3 DS TO JB DETAIL
SCALE: NONE



WALK IN ELECTRICAL CONDUIT PENETRATION DETAIL



WALK IN CONDUIT/PIPE SEALING DETAIL



4 K3 STUB UP – DETAIL
SCALE: NONE

KITCHEN EQUIPMENT ELECTRICAL 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	1	WINE COOLER, WHITE/RED, BAR	120/1	3 A	24"	CORD & PLUG
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

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

KEY PLAN

SIGN & SEAL

DRAWN BY: VPMII

CHECKED BY: VPMII

SHEET TITLE

KITCHEN & BAR EQUIPMENT ELECTRICAL PLAN

SHEET NUMBER

K3

ELECTRICAL GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL INSTALLATION WITH THE WORK OF OTHER TRADES. FIELD MODIFICATIONS NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST.
2. ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER WITHIN STANDARD OF CARE FOR PROFESSION. ALL LABOR, MATERIAL, TOOLS, PERMITS, INSPECTIONS, TESTING, CERTIFICATION, ETC. REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION TO DESIGN INTENT SHALL BE FURNISHED BY CONTRACTOR. PROVIDE, AT NO ADDITIONAL COST, INCLUDING INCIDENTAL ITEMS NOT SHOWN WHEN REQUIRED FOR TYPICAL COMPLETION OF WORK.
3. DRAWINGS NOT BEARING THE STAMP OR SEAL AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER SHALL NOT BE USED FOR BIDDING OR CONSTRUCTION PURPOSES UNLESS EXPRESSLY APPROVED IN WRITING BY THE ARCHITECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL DRAWINGS AND SPECIFICATIONS BEING USED FOR BIDDING AND CONSTRUCTION PURPOSES ARE OF THE LATEST REVISION AVAILABLE AND ALL ADDENDUM DOCUMENTS HAVE BEEN INCORPORATED EITHER BY REVISION RELEASE OF DRAWINGS/SPECIFICATIONS OR ATTACHMENT OF SKETCHES OR OTHER ADDENDUM INFORMATION.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW PRODUCTS OF ESTABLISHED AND REPUTABLE MANUFACTURERS. NO EQUIPMENT SUBSTITUTIONS SHALL BE MADE THAT WOULD LEAVE INADEQUATE OPERATING OR SERVICE SPACE. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND IN AN ARRANGEMENT THAT WILL GIVE THE GREATEST PRACTICAL EASE OF OPERATION AND SERVICE TO THE OWNER.
5. ALL EQUIPMENT WHICH IS INDICATED TO BE FURNISHED AND/OR INSTALLED BY OTHERS OR BY OWNER IS INCLUDED FOR REFERENCE ONLY UNLESS NOTED OTHERWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND VERIFYING INSTALLATION REQUIREMENTS OF THIS EQUIPMENT WITH THE APPLICABLE SUPPLIER OR THE OWNER. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
6. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS INCLUDING BUT NOT LIMITED TO NATIONAL, CITY, STATE, LOCAL ORDINANCES, AND UTILITY COMPANY REGULATIONS. ALL ELECTRICAL MATERIALS, INSTALLATION PROCEDURES, AND SYSTEM LAYOUTS SHALL BE APPROVED BY ALL APPLICABLE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THESE RULES, REGULATIONS, AND ORDINANCES. THESE CODES REPRESENT THE MINIMUM ACCEPTABLE REQUIREMENTS, THEREFORE, WHERE DRAWINGS AND/OR SPECIFICATIONS INDICATE MATERIALS OR CONSTRUCTION MORE STRINGENT THAT CODE REQUIREMENTS, THE DRAWINGS AND/OR SPECIFICATIONS SHALL GOVERN.
7. IF COMPLIANCE WITH STANDARDS, CODES, REGULATIONS AND CONTRACT DOCUMENTS ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUALITY LEVELS, REFER CONFLICTING REQUIREMENTS TO ENGINEER FOR A DECISION BEFORE PROCEEDING.
8. WHERE CONTRACT DOCUMENTS NAME A SINGLE MANUFACTURER AND PRODUCT, PROVIDE THE NAMED PRODUCT THAT COMPLIES WITH REQUIREMENTS. COMPARABLE PRODUCTS OR SUBSTITUTIONS FOR CONTRACTOR'S CONVENIENCE WILL BE CONSIDERED.
9. THE PROJECT CLOSEOUT SUBMITTALS SHALL INCLUDE, BUT NOT LIMITED TO, OPERATION AND MAINTENANCE MANUALS AND RECORD DRAWINGS.
10. THE CONTRACTOR SHALL VISIT THE SITE OF THE BUILDING BEFORE SUBMITTING A PROPOSAL ON THIS WORK AND SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND OPERATIONS. FAILURE ON THEIR PART TO DO THIS WILL NOT BE CAUSE OF EXTRAS AFTER THE CONTRACT IS SIGNED, BY REASON OF UNFORESEEN CONDITIONS.
11. NO PERSON SHALL PERFORM ELECTRICAL WORK ON THE CONTRACT WITHOUT POSSESSING A MASTER'S OR JOURNEYMAN'S LICENSE FROM THE STATE ELECTRICAL EXAMINERS BOARD. ALL ELECTRICAL WORK AND APPRENTICE ELECTRICIANS SHALL BE SUPERVISED BY A MASTER ELECTRICIAN ON A ONE TO ONE RATIO.
12. PREPARE AND SUBMIT SUBMITTALS TO ARCHITECT.
13. ALL AREAS USED AS RETURN AIR PLENUMS SHALL BE CONSTRUCTED WITH FIRE RESISTANT MATERIALS AND SHALL ONLY CONTAIN MATERIALS WHICH HAVE SMOKE DEVELOPED RATINGS NOT GREATER THAN 50 AND FLAME SPREAD RATINGS NOT GREATER THAN 25.
14. ALL ELECTRICAL EQUIPMENT, SUCH AS SWITCHES, CIRCUIT BREAKERS, ETC. SHALL BE TESTED BY OPERATING THE DEVICE TO VERIFY THAT THE MECHANICAL PORTIONS OF THE DEVICE ARE FUNCTIONING.
15. THE CONTRACT SHALL ASSIST ALL OTHER TRADES IN PERFORMING ROTATIONAL TESTS ON ALL MOTORS PROVIDED UNDER THIS CONTRACT.
16. WIRE SIZE PER CODE UNLESS NOTED ELSEWHERE:

    (MINIMUM WIRE SIZE #12AWG, MINIMUM CONDUIT 3/4"C

    A. #12 LESS THAN 75 FEET
    B. #10 BETWEEN 75-150 FEET
    C. #8 BETWEEN 150-250 FEET
    D. #6 BETWEEN 250-375 FEET

LEGEND

EXIT SIGN/COMBINATION EXIT/EMERGENCY LIGHT

RECESSED ROUND DOWN LIGHT.

PENDANT LIGHT.

4' LED STRIP.

WALL LIGHT ROUND

ALL LIGHTING FIXTURES ON EMERGENCY POWER SHALL BE SHOWN GRAPHICALLY AS RED COLOR FILL WITH DARK RED LINES.

SITE LIGHT FIXTURE.

CEILING FAN, REFER TO FIXTURE SCHEDULE.

HIGH VOLUMN LOW SPEED FAN WITH FIRE ALARM CONNECTION.

SWITCHES

HARD WIRED

S — SINGLE POLE SWITCH. "D" DENOTES DIMMER, "3" 3-WAY, "3D" 3-WAY DIMMER, "4" - 4 WAY. COORDINATE WITH FIXTURE/LAMP TYPE AND CIRCUIT WATTAGE. MOUNT 48" A.F.F. UNLESS OTHERWISE NOTED.

SD

S3

S3D

S4

SO — WALL MOUNTED DUAL TECH. MOTION SENSOR SWITCH WIRE PER MANUFACTURERS RECOMMENDATION. PROVIDE CONTACTORS TO CONTROL EXHAUST FAN WITH LIGHTS.

SG — SINGLE POLE SWITCH FOR GARBAGE DISPOSER. WIRE RECEPTACLE TO SWITCH UPPER HALF OF RECEPTACLE.

SM — MOTOR RATED SWITCH USED FOR EQUIPMENT DISCONNECTING MEANS. SINGLE PHASE: PROVIDE MANUAL MOTOR STARTER WITH THERMAL OVERLOAD RELAYS SIZED PER MOTOR LOAD.

OS — CEILING MOUNTED DUAL TECH. OCCUPANCY SENSOR. PROVIDE AND INSTALL APPROPRIATE POWER PACK. COORDINATE SWITCHING, LOCATION AND QUANTITY WITH ACTUAL OCCUPANCY SENSOR USED. WIRE PER MANUFACTURERS RECOMMENDATION.

DATA: REQUIRES 4-11/16" SQUARE OUTLET BOX, APPROPRIATE PLASTER RING, AND 1" C. STUBBED TO AN ACCESSIBLE LOCATION ABOVE A REMOVABLE CEILING TILE. MINIMUM OF TWO DATA CABLES AT EACH LOCATION SHOWN UNLESS OTHERWISE NOTED. MOUNT 18" AFF UNLESS OTHERWISE NOTED. NUMBER INDICATES QUANTITY OF DATA JACKS.

TELEVISION CABLE OUTLET VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH THE OWNER PRIOR TO ROUGH-IN. REQUIRES RECEPTACLE, 2 CATEGORY 6 NETWORK CABLES IN SEPARATE 1" CONDUIT TO DATA ROOM. PROVIDE 3 GANG BACK BOX.

DUPLEX RECEPTACLE. MOUNT 18" AFF UNLESS OTHERWISE NOTED.

QUADRUPLEX RECEPTACLE. MOUNT 18" AFF UNLESS OTHERWISE NOTED.

DUPLEX RECEPTACLE GROUND FAULT INTERRUPTER.

QUADRUPLEX RECEPTACLE GROUND FAULT INTERRUPTER.

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.

QUADRUPLEX RECEPTACLE MOUNTED ABOVE COUNTER GROUND FAULT INTERRUPTER.

DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER GROUND FAULT INTERRUPTER.

SPECIAL RECEPTACLE AS NOTED ON THE PLANS.

ST — SHUNT TRIP

RECEPTACLE DROP CORD, MOUNTED IN CEILING GRID. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. DUPLEX RECEPTACLE IF NO TYPE NOTED.

J — JUNCTION BOX. VERIFY MOUNTING HEIGHT WITH MILLWORK DETAILS AND/OR THE OWNER'S REPRESENTATIVE. AT EQUIPMENT LOCATIONS VERIFY THE EXACT LOCATION WITH THE EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.

BRANCH CIRCUIT HOMERUN ABOVE GRADE. PANEL AND CIRCUIT NUMBER INDICATED.

BRANCH CIRCUIT HOMERUN BELOW GRADE. PANEL AND CIRCUIT NUMBER INDICATED.

ELECTRICAL PANEL.

DRY TYPE TRANSFORMER-480/120-208 VOLTS. PROVIDE VIBRATION-ISOLATION MOUNTING PADS.

TTB — TELEPHONE TERMINAL BOARD

TGB — TELEPHONE GROUND BAR HBBB14210A OR EQUAL.

NEW WIRE & ONE LINE CONDUIT ABOVE GRADE

NEW WIRE & ONE LINE CONDUIT BELOW GRADE

EXISTING WIRE & ONE LINE CONDUIT ABOVE GRADE

EXISTING WIRE & ONE LINE CONDUIT BELOW GRADE

SUBSCRIPTS:

GFI = GROUND FAULT CIRCUIT INTERRUPTER.
WP = WEATHER RESISTANT RECEPTACLES PER NEC.
C = CONDUIT.
EM = FIXTURE CONTAINS EMERGENCY BATTERY PACK.
NL = UNSWITCHED EMERGENCY FIXTURE.
H = MOUNT HORIZONTALLY IN MILLWORK.
EC = ELECTRICAL CONTRACTOR
AFF = ABOVE FINISHED FLOOR
AFG = ABOVE FINISHED GRADE
EPO = EMERGENCY POWER OFF

WALL MOUNT FIRE ALARM VISUAL STROBE. NUMBER DENOTES CANDELA RATING. MOUNT 80" AFF UNLESS OTHERWISE NOTED.

WALL MOUNT FIRE ALARM HORN / VISUAL STROBE. NUMBER DENOTES CANDELA RATING. MOUNT 80" AFF UNLESS OTHERWISE NOTED.

CEILING FIRE ALARM HORN/STROBE-WR DENOTES WEATHER RESISTANT. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.

CEILING FIRE ALARM HORN/STROBE. REQUIRES 4" SQUARE BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. NUMBER DENOTES CANDELA RATING.

MPS — MANUAL PULL STATION MOUNTED MINIMUM OF 42"; MAXIMUM OF 48" A.F.F.

SD — WALL MOUNTED PHOTOELECTRIC SMOKE DETECTOR.

SD — CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR.

HD — CEILING MOUNTED HEAT DETECTOR.

DD — DUCT DETECTOR-FURNISHED AND INSTALLED BY THE FIRE ALARM CONTRACTOR. COORDINATE QUANTITY AND LOCATION WITH MECHANICAL PLANS.

FACP — FIRE ALARM CONTROL PANEL.

FAAP — FIRE ALARM ANNUNCIATOR PANEL.

FUSED/NON-FUSED DISCONNECT-FUSE ALL EQUIPMENT PER MANUFACTURER RECOMMENDATION FOR THE ACTUAL EQUIPMENT FURNISHED. FURNISH NEMA-4X IN THE KITCHEN. MOUNT DISCONNECT FOR HVAC CONDENSER UNITS WITH TOP OF SWITCH AT 36" A.F.F.

WAP — WIRELESS INTERNET EQUIPMENT FURNISHED AND INSTALLED BY THE OWNER, FURNISH AND INSTALL TWO DATA CABLES.

TC — TIME CLOCK.

PE — ELECTRIC PHOTOCELL CONTACTOR.

1 SP — SPEAKER, CONDUIT AND BACK FOR POWER AND DATA ONLY. DEVICES FURNISHED AND INSTALLED BY OWNER.

SPEAKER - CEILING WALL MOUNTED. CONDUIT AND BACK FOR POWER AND DATA ONLY. DEVICES FURNISHED AND INSTALLED BY OWNER.

CAMERA - WALL MOUNTED. CONDUIT AND BACK FOR POWER AND DATA ONLY. DEVICES FURNISHED AND INSTALLED BY OWNER.

1 — REVISION DELTA.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 18625 RICHARD PRESTON HARGETT

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

GENERAL NOTES AND LEGEND - ELECTRICAL

SHEET NUMBER

E001



1 SITE PLAN - ELECTRICAL

1" = 40'-0"

N

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. EXISTING OVERHEAD UTILITY POWER POLE. COORDINATE WITH UTILITY TO UPGRADE POLE TO THREE PHASE.
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.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 38... MICHAEL PRESTON MERSEY
10/2/2026

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KEY PLAN

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DRAWN BY

CHECKED BY

SHEET TITLE

SITE PLAN - ELECTRICAL

SHEET NUMBER

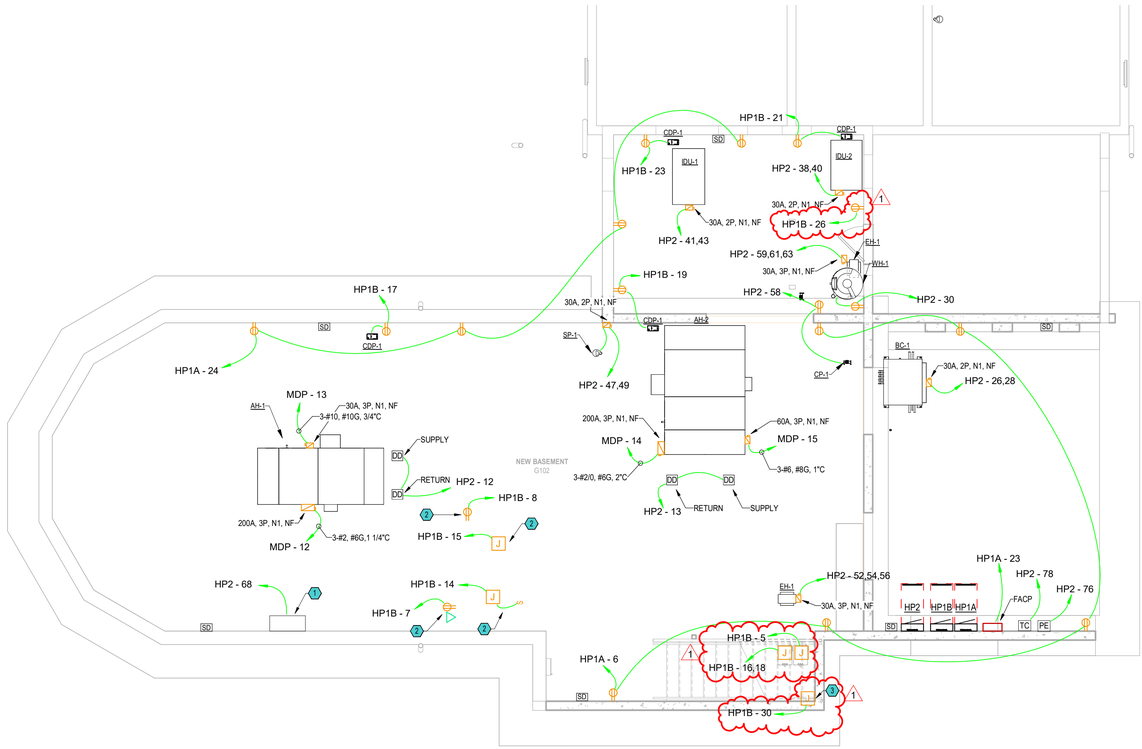
E201

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.

KEYED NOTES

1. LIGHTING INVERTER. BASIS OF DESIGN: EVENLITE - LM-1600-IP-LC-IA-OA-XX-EW-FS. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT.
2. COORDINATE KITCHEN EQUIPMENT/DEVICE MOUNTING HEIGHT/LOCATION WITH MCKAY-LANE CONSULTING AND ARCHITECT PRIOR TO ROUGH-IN.
3. POWER FOR HEAT TRACE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.



1 BASEMENT FLOOR PLAN - POWER AND SYSTEMS

3/16" = 1'-0"

N

10/2/2026

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1	Addendum 1	10/16/26

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30472 MICHAEL PRESTON HERGET

INSIGHT ENGINEERING, PLLC Certificate of Authorization No. 3523 ARKANSAS

10/2/2026

DRAWN BY

CHECKED BY

SHEET TITLE

BASEMENT FLOOR PLAN - POWER AND SYSTEMS

SHEET NUMBER

E302

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.

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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STRUCTURAL ENGINEERS
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FOOD SERVICE CONSULTANT
MCKAY-LANE CONSULTING, LTD
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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

KEY PLAN

SIGN & SEAL

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 30524 CHASEY PRESTON HARRIS 10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION No. 3523 ARKANSAS

DRAWN BY

CHECKED BY

SHEET TITLE

FIRST FLOOR PLAN - LIGHTING

SHEET NUMBER

E303

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.
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"

N

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 5826 MICHAEL PRESTON MARSH
10/2/2026

INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS CERTIFICATE OF AUTHORIZATION

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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

KEY PLAN

SIGN & SEAL

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SHEET TITLE

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, DATA BOXES, AND JUNCTION BOXES.
3. 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.
4. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.
5. 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.
6. ALL OUTLETS IN OFFICES, LOBBY, AND CORRIDORS SHALL BE TAMPER RESISTANT.
7. COORDINATE ALL KITCHEN DEVICE MOUNTING HEIGHTS AND CONNECTIONS WITH MCKAY-LANE CONSULTING AND ARCHITECT PRIOR TO ROUGH-IN.

KEYED NOTES

1. DATA SHALL BE INSTALLED INSIDE COUNTER BASE. COORDINATE WITH MCKAY-LANE CONSULTING PRIOR TO ROUGH IN.

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

N

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30220 PRESTON HARRIS 10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION 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

KEY PLAN

SIGN & SEAL

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SHEET TITLE

FIRST FLOOR PLAN - SYSTEMS

SHEET NUMBER

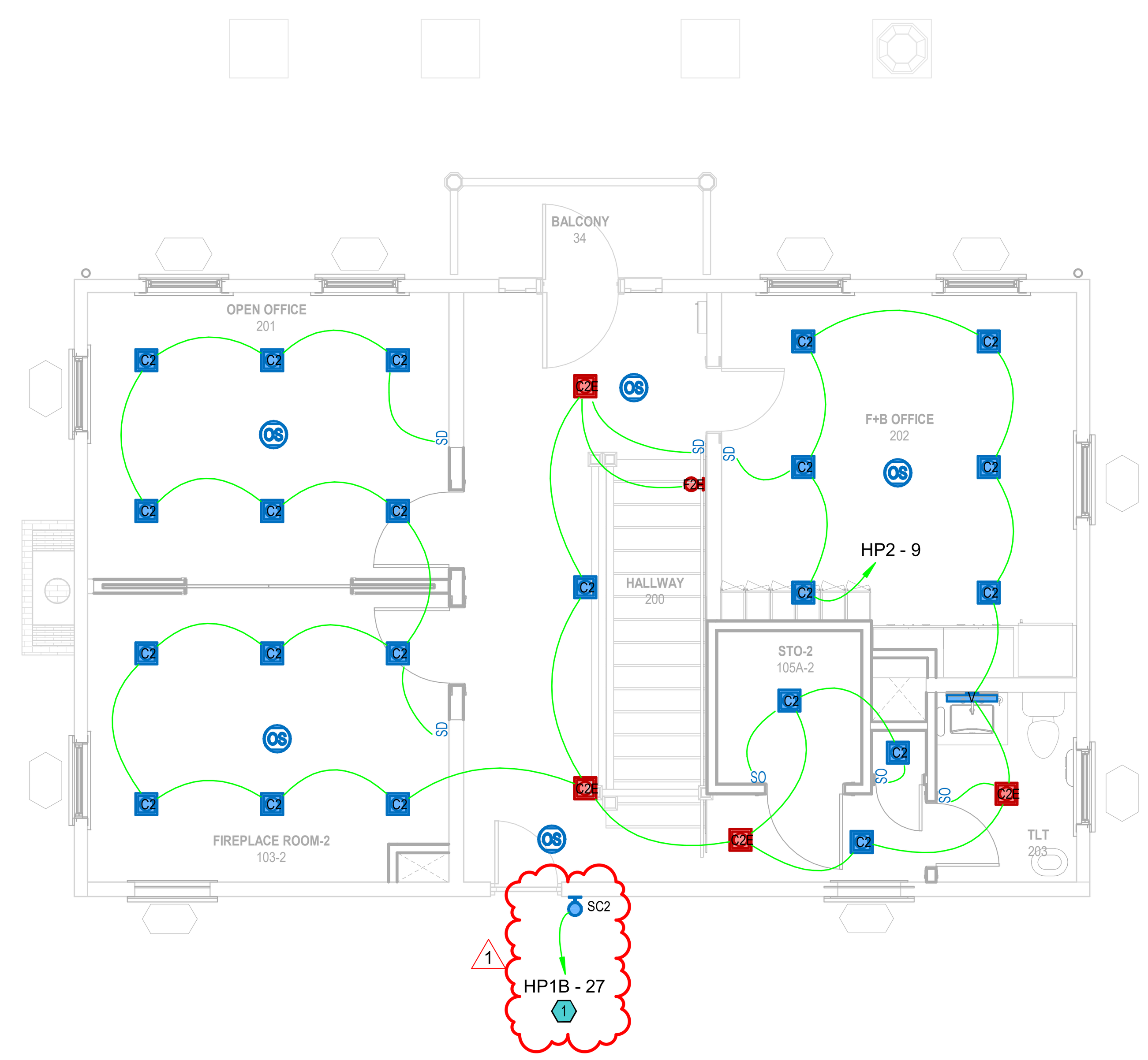
E305

GENERAL NOTES

1. ALL CEILING MOUNTED DEVICES SHALL BE CENTERED IN THE CEILING TILE. ALL DEVICES IN HARD CEILING SHALL BE CENTERED IN SPACE.
2. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED TOGETHER UNDER A COMMON COVER PLATE OR PROVIDED AS MULTI-BUTTON SWITCHES.
3. PROVIDE AN UNSWITCHED HOT LEG TO ALL EXIT SIGNS AND EMERGENCY FIXTURES.
4. MC CABLE IS NOT PERMISSIBLE IN ANY AREA OTHER THAN 6' FIXTURES WHIPS.

KEYED NOTES

1. LIGHTING CIRCUIT SHALL RUN THROUGH LIGHTING CONTACTOR TO ELECTRIC PHOTOCELL. COORDINATE EXACT PHOTOCELL LOCATION WITH OWNER/ARCHITECT. CONTACTOR LOCATED IN BASEMENT.



1 SECOND 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

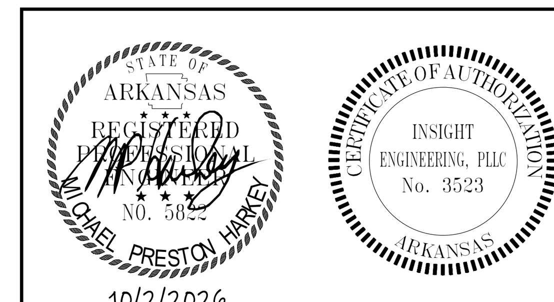
No.	Issue	Date
1	Addendum 1	10/16/26

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY



SHEET TITLE

SECOND FLOOR PLAN - LIGHTING

SHEET NUMBER

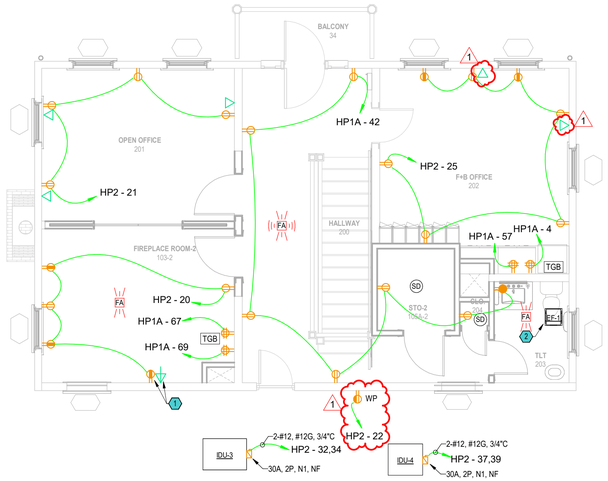
E306

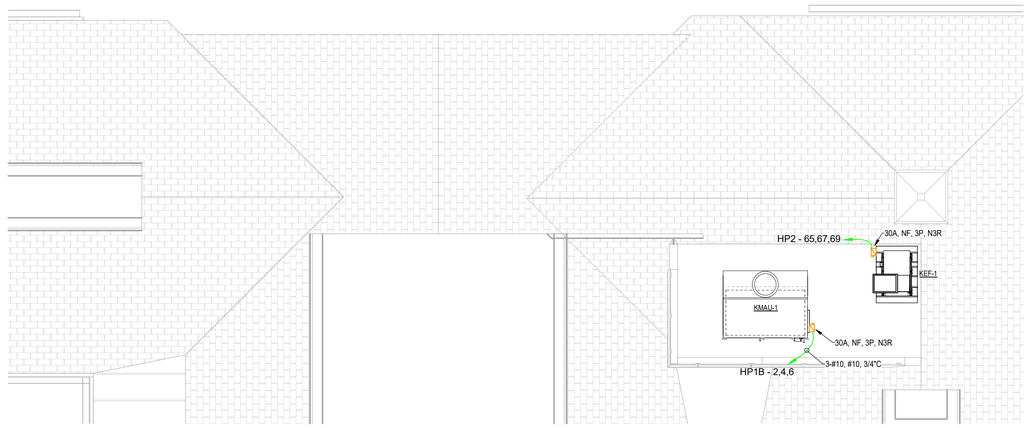
GENERAL NOTES

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

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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ACOUSTICAL ENGINEERS
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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

No.	Issue	Date
1	Addendum 1	10/16/26

KEY PLAN

SIGN & SEAL

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SHEET TITLE

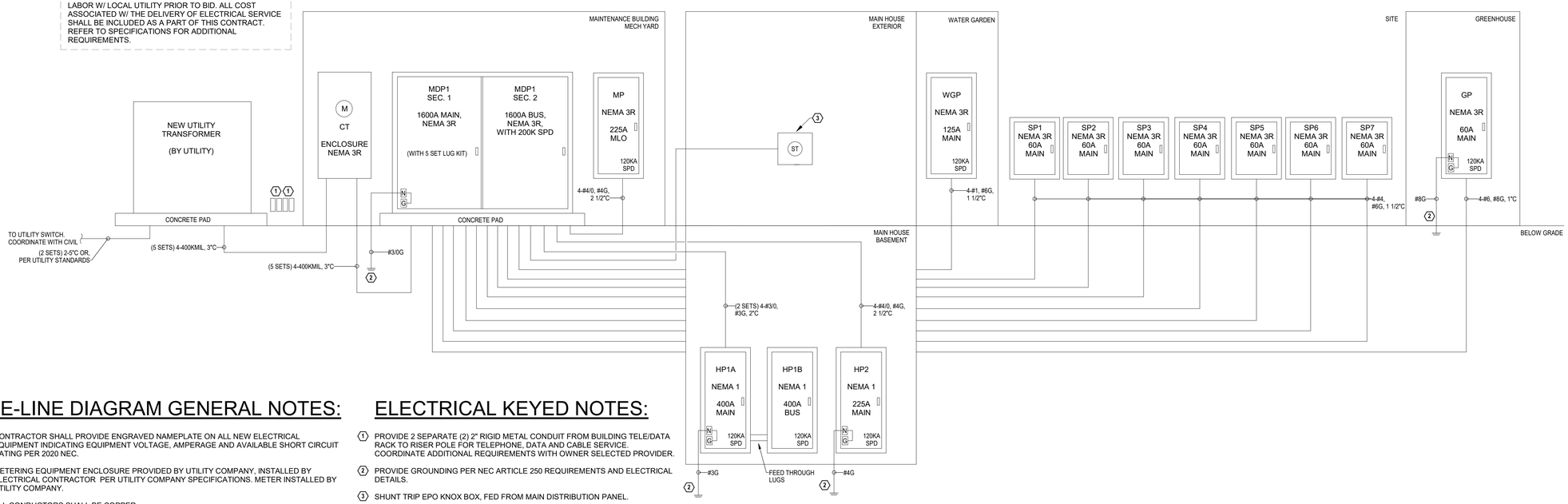
SECOND FLOOR PLAN - POWER AND SYSTEMS

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.

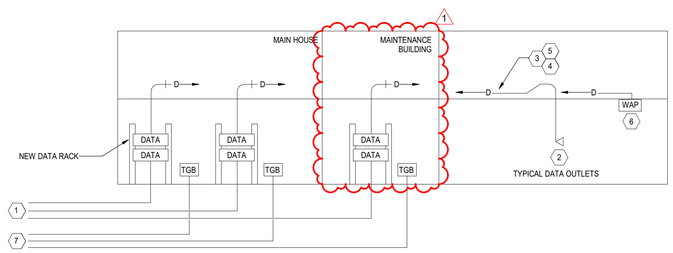
D. ACCORDING TO BENTONVILLE MUNICIPAL CODE SECTION 14-163 ALL SECONDARY UNDERGROUND ELECTRICAL FEEDERS SHALL BE A MINIMUM OF 24" DEEP FROM THE CITY CONNECTION TO THE STRUCTURE IT SERVES.

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:

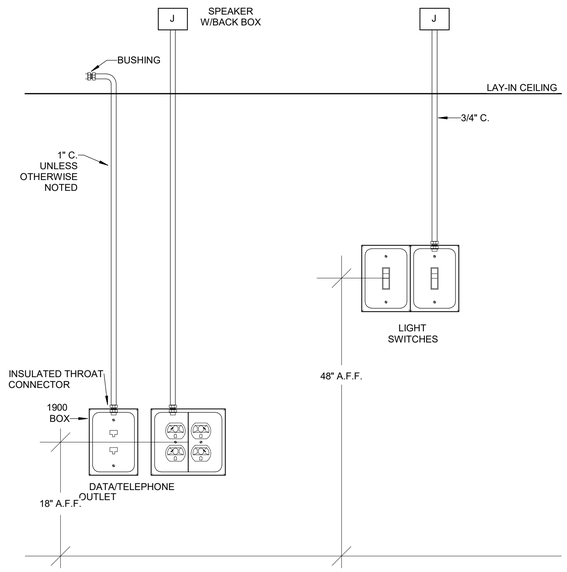
1. REFER TO SYSTEMS PLANS FOR EXACT QUANTITIES AND PLACEMENT OF FIRE ALARM DEVICES.
2. PROVIDE PLASTIC BUSHING ON EACH CONDUIT TERMINATION STUB UP.
3. ALL CABLES SHALL BE PLENUM RATED.
4. PROVIDE DEDICATED SYSTEM SLEEVES WITHIN EACH WALL AS REQUIRED.
5. CONDUIT FROM ALL DATA COMMUNICATIONS OUTLETS SHALL 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

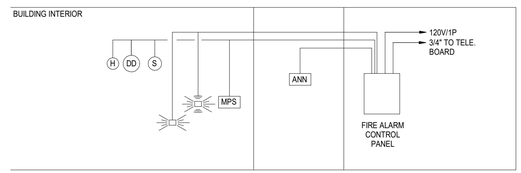
NOT TO SCALE:



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. 5023 MICHAEL PRESTON WARREN 10/2/2026

INSIGHT ENGINEERING, PLLC No. 3523 CERTIFICATE OF AUTHORIZATION ARKANSAS

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PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

#	ISSUED FOR	DATE
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KEY PLAN

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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	35465 VA	
3	PANEL "HP2"	3	400 A	225 A	15907 VA	13245 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	63 VA	51 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	MP1	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 "SP1"	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:	134327 VA	132960 VA	129721 VA	
				Total Amps:	1124 A	1112 A	1081 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:**	397008 VA
Other	1163 VA	100.00%	1163 VA	**Total Est. Demand:**	347394 VA
KITCHEN EQUIPMENT	25792 VA	70.00%	18054 VA	**Total Conn. Current:**	1102 A
POWER	18908 VA	100.00%	18908 VA	**Total Est. Demand Current:**	964 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	PE250011A0AB	15 VA	120 V	SEAGRAVES PENDANT. INTEGRATE WITH INVERTER.
B3	SIEMON & SALAZAR	S06-55-10-190-XX-XX-P1	11 VA	120 V	BAR PENDANT.
B4	VISUAL COMFORT & CO	700CLR240240XX-LED927R-CUSTOM LENGTH	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	F-727-BLK	20 VA	120 V	CEILING FAN.
CF2	MINKA	F896-84-BNW	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. 36211 CHARLES PRESTON HARVEY 10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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901 WEST THIRD STREET
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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

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

SCHEDULES - ELECTRICAL

SHEET NUMBER

E501

Branch Panel: HP1A

Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 22K AIC
Bus Rating: 400 A
MCB Rating: 400 A

Notes:
ENABLE FEED THROUGH LUGS TO HP1B

CKT	Circuit Description	Trip (A)	Poles	A		B		C		Poles	Trip (A)	Circuit Description	CKT
1	SNEEZE GAURD (GFCI)	20	1	240	1200					1	20	RCPT GRAB N GO (GFCI)	2
3	RCPT GAS FRYER (GFCI, SHUNT TRIP)	20	1			360	180			1	20	RCPT DATA RACK	4
5	RCPT GAS FRYER (GFC, SHUNT TRIP)	20	1					0	900	1	20	RCPT BASEMENT	6
7	GAS BROILER (GFCI, SHUNT TRIP)	20	1	600	1440					1	20	RCPT HEATED CABINET (GFCI)	8
9	GAS BROILER(GFCI, SHUNT TRIP)	20	1			0	960			1	20	RCPT HEAT LAMP (GFCI, SHUNT TRIP)	10
11	RCPT MIXER (GFCI)	20	1					960	0	1	20	RCPT HEAT LAMP (GFCI, SHUNT TRIP)	12
13	LTG COOLER/FREEZER/STORAGE	20	1	720	960					1	20	RCPT FOOD PROCESSOR (GFCI)	14
15	RCPT RESTROOMS	20	1			540	1920			1	20	RCPT HEATER/PROOFER CABINET (GFCI, SHUN...	16
17	RCPT ORDER/PICKUP	20	1					720	0	1	20	RCPT HEATER/PROOFER CABINET (GFCI, SHUN...	18
19	RCPT GARDEN ROOM	20	1	720	2080					2	30	RCPT ESPRESSO HEAD (GFCI)	20
21	RCPT ENTRY/GALLERY	20	1			900	2080			--	--	--	22
23	FIRE ALARM CONTROL PANEL	20	1					500	720	1	20	RCPT BASEMENT	24
25	RCPT OUTDOOR	20	1	540	108					1	20	LTG BASEMENT	26
27	RCPT GARDEN ROOM	20	1			720	1260			1	20	RCPT FIREPLACE ROOM	28
29	ANSUL PULL STATION (SHUNT TRIP)	20	1					100	960	1	20	RCPT DROP CORD STAND MIXER (GFCI)	30
31	ANSUL PULL STATION (SHUNT TRIP)	20	1	100	840					1	20	RCPT FREEZER (GFCI)	32
33	RCPT WINE COOLER (GFCI)	20	1			696	720			1	20	AIR CURTAIN	34
35	RCPT REFRIGERATOR (GFCI)	20	1					555	1080	1	20	RCPT OUTDOOR PATIO	36
37	RCPT GLASSWASHER (GFCI)	20	1	1800	720					1	20	RCPT SECRET GARDEN	38
39	RCPT BLENDER (GFCI)	20	1			1800	720			1	20	RCPT THE BISTRO	40
41	RCPT MICROWAVE (GFCI)	20	1					1000	1800	1	20	RCPT JANITOR/RESTROOMS	42
43	RCPT COUNTERTOP WARMER (GFCI)	20	1	1200	1200					1	20	RCPT COUNTEROP WARMER (GFCI)	44
45	HOT FOOD UNIT (GFCI)	20	1			1500	780			1	20	SANDWHICH UNIT (GFCI)	46
47	POS SYSTEM (GFCI)	20	1					800	360	1	20	RCPT WINE COOLER (GFCI)	48
49	RCPT REFRIGERATOR (GFCI)	20	1	516	345					1	20	RCPT COLD PAN (GFCI)	50
51	RCPT SELF SERVE DISPLAY CASE (GFCI)	20	1			1200	1488			1	20	RCPT SELF SERVE DISPLAY CASE (GFCI)	52
53	RCPT POS SYSTEM	20	1					360	360	1	20	RCPT CONVIENCE RECEPTACLES (GFCI)	54
55	RCPT COFFEE GRINDER (GFCI)	20	1	180	180					1	20	RCPT POS SYSTEM (GFCI)	56
57	RCPT DATA RACK	20	1			180	360			1	20	RCPT WINE COOLER (GFCI)	58
59	ICE MACHINE (GFCI)	20	1					500	1500	1	20	RCPT BLENDER (GFCI)	60
61	RCPT BLENDER (GFCI)	20	1	1500	1500					1	20	RCPT BLENDER (GFCI)	62
63	RCPT CONVIENCE RECEPTACLES (GFCI)	20	1			180	1800			1	20	COFFEE BREWER (GFCI)	64
65	RCPT TEA BREWER (GFCI)	20	1					1800	1800	1	20	RCPT DRINK STATION (GFCI)	66
67	RCPT DATA RACK	20	1	180	180					1	20	RCPT SODA GUN (GFCI)	68
69	RCPT DATA RACK	20	1			180	4576			2	60	DISH MACHINE (GFCI)	70
71	DISH MACHINE (GFCI)	60	2					4160	4576	--	--	--	72
73	--	--	--	4160	1560					1	20	RCPT REFRIGERATED PASTRY CASE	74
75	RCPT POS/CONVIENCE (GFCI)	20	1			360	2288			2	30	RCPT PANINI GRILL (GFCI)	76
77	RCPT UNDERCOUNTER REFRIGERATOR (GFCI)	20	1					180	2288	--	--	--	78
79	RCPT STEAM HEAD (GFCI)	30	2	2080	360					1	20	RCPT POS/CONVIENCE (GFCI)	80
81	--	--	--			2080	180			1	20	UNDERCOUNTER REFRIGERATOR (GFCI)	82
83	LTG OUTDOOR EGRESS	20	1					9	360	1	20	RCPT CONVIENCE RECEPTACLES (GFCI)	84
		Total Load:		36721 VA		38539 VA		35465 VA					
		Total Amps:		308 A		323 A		296 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	10472 VA	100.00%	10472 VA		
KITCHEN EQUIPMENT	17472 VA	100.00%	17472 VA	**Total Conn. Load:**	110726 VA
LIGHTING	126 VA	100.00%	126 VA	**Total Est. Demand:**	77638 VA
POWER	6380 VA	100.00%	6380 VA	**Total Conn. Current:**	307 A
RECEPTACLE	76176 VA	56.56%	43088 VA	**Total Est. Demand Current:**	216 A
Spare	100 VA	100.00%	100 VA		

Branch Panel: HP2

Supply From: MDP
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 22K 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	LTG EAST PORCH	20	1	40	164					1	20	LTG PORCH	2
3	LTG WEST PORCH	20	1			40	240			1	20	COOLER EVAPORATOR COIL	4
5	LTG OUTDOOR WALL WASH	20	1					140	480	1	20	LTG KITCHEN	6
7	LTG SECRET GARDEN/RESTROOMS	20	1	176	535					1	20	LTG ORDER/PICK-UP	8
9	LTG SECOND FLOOR	20	1			398	452			1	20	LTG ORDER/PICK-UP	10
11	RCPT PREP KITCHEN (GFCI)	20	1					360	500	1	20	AHU-1 DUCT DETECTOR	12
13	AHU-2 DUCT DETECTOR	20	1	500	347					1	20	LTG ENTRY CORRIDOR	14
15	RCPT PREP KITCHEN (GFCI)	20	1			360	590			1	20	LTG ORDER/PICK-UP	16
17	LTG BISTRO/FIREPLACE ROOM	20	1					512	600	1	20	RCPT ICE CREAM FREEZER (GFCI)	18
19	LTG GARDEN ROOM	20	1	691	900					1	20	RCPT FIREPLACE ROOM 2	20
21	RCPT OPEN OFFICE	20	1			720	180			1	20	RCPT 2ND FLR OUTDOOR	22
23	ERV-1	15	1					768	358	1	20	LIGHTING OUTDOOR PATIO	24
25	RCPT F+B OFFICE	20	1	1260	13					2	15	BC-1	26
27	RCPT STORAGE	20	1			180	13			--	--	--	28
29	HEAT LAMP (GFCI)	20	1					1800	180	1	20	WH-1	30
31	IDU-5	15	2	188	198					2	15	IDU-3	32
33	--	--	--			188	198			--	--	--	34
35	RCPT MODEM DATA	20	1					180	180	1	20	RCPT HAND SINK (GFCI)	36
37	IDU-4	15	2	198	260					2	15	IDU-2	38
39	--	--	--			198	260			--	--	--	40
41	IDU-1	15	2					354	1144	2	20	FREEZER EVAPORATOR COIL	42
43	--	--	--	354	1144					--	--	--	44
45	RCPT HEAT TAPE CONNECTION	20	1			180	450			2	20	COMBI OVEN (GFCI, SHUNT TRIP)	46
47	SP-1	20	2					1435	450	--	--	--	48
49	--	--	--	1435	0					1	20	COMBI OVEN (GFCI, SHUNT TRIP)	50
51	COMBI OVEN (GFCI, SHUNT TRIP)	20	2			450	1141			3	20	EH-1	52
53	--	--	--					450	1141	--	--	--	54
55	COMBI OVEN (GFCI, SHUNT TRIP)	20	1	0	1141					--	--	--	56
57	RCPT HEATED DIPPER WELL	20	1			180	180			1	20	CP-1	58
59	EH-1	20	3					1141	180	1	20	RCPT DATA (GFCI)	60
61	--	--	--	1141	1872					2	30	RCPT DROP CORD HEAVY MIXER (GFCI)	62
63	--	--	--			1141	1872			--	--	--	64
65	KEF-1 (SHUNT TRIP)	20	3					672	1222	1	20	LTG OUTDOOR PATIO	66
67	--	--	--	672	500					1	20	LTG INVERTER	68
69	--	--	--			672	250			1	20	MOTORIZED SHADES	70
71	KEF-1 (SHUNT TRIP)	20	1					0	300	1	20	MOTORIZED SHADES	72
73	HAND DRYERS	20	1	1000	1000					1	20	HAND DRYERS	74
75	HAND DRYERS	20	1			1000	50			1	20	PHOTOCELL	76
77	KITCHEN HOOD LIGHTING (GFCI, SHUNT TRIP)	20	1					50	50	1	20	TIME CLOCK	78
79	KITCHEN HOOD LIGHTING (GFCI, SHUNT TRIP)	20	1	0	180					1	20	RCPT PREP KITCHEN	80
81	RCPT COUNTERTOP STEAMER	20	2			1664	0			1	20	SPARE	82
83	--	--	--					1664	0	1	20	SPARE	84
		Total Load:		15907 VA		13245 VA		16310 VA					
		Total Amps:		136 A		110 A		139 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	12048 VA	100.00%	12048 VA		
LIGHTING	5137 VA	100.00%	5137 VA	**Total Conn. Load:**	45462 VA
Motor	2870 VA	125.00%	3588 VA	**Total Est. Demand:**	43744 VA
Other	1007 VA	100.00%	1007 VA	**Total Conn. Current:**	126 A
POWER	9528 VA	100.00%	9528 VA	**Total Est. Demand Current:**	121 A
RECEPTACLE	14872 VA	83.62%	12436 VA		

Branch Panel: HP1B

Supply From: HP1A
Mounting: SURFACE
Enclosure: NEMA 1

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

A.I.C. Rating: 22K AIC
Bus Rating: 400 A
MCB Rating: MLO

Notes:
ENABLE FEED THROUGH LUGS FROM HP1A.

CKT	Circuit Description	Trip (A)	Poles	"A"		"B"		"C"		Poles	Trip (A)	Circuit Description	CKT
1	HOT FOOD COUNTER (GFCI)	30	2	2600	3482					3	35	KMAU-1 (SHUNT TRIP)	2
3	--	--	--			2600	3482			--	--	--	4
5	BAG IN BOX	20	1					1600	3482	--	--	--	6
7	RCPT DATA BASEMENT	20	1	180	600					1	20	RCPT DRAIN PUMP	8
9	RCPT OUTDOOR HEAT TAPE (GFCI)	20	1			600	180			1	20	RCPT CONVIENECE (GFCI)	10
11	BEER COOLER (GFCI)	20	1					360	360	1	20	RCPT BAR (GFCI)	12
13	RCPT CONVIENCE (GFCI)	20	1	360	250					1	20	LTG BEER COOLER	14
15	BEER EVAP COIL	20	1			250	250			2	20	SPARK WATER DISPENSER	16
17	CDP-1	20	1					180	250	--	--	--	18
19	CDP-1	20	1	180	960					1	20	RCPT DROP CORD CAN OPENER (GFCI)	20
21	CDP-1	20	1			180	480			1	20	RCPT REFRIGERATOR (GFCI)	22
23	CDP-1	20	1					180	180	1	20	RCPT ELECTRIC TOASTER (GFCI)	24
25	RCPT OUTDOOR	20	1	720	180					1	20	AC-1	26
27	LIGHTING ORDER/PICK-UP-3 109-3	20	1			9	500			1	20	HEAT TRACE	28
29	HVAC JAN 108	20	1					25	500	1	20	HEAT TRACE	30
31	SPARE	20	1	0	0					1	20	SPARE	32
33	SPARE	20	1			0	0			1	20	SPARE	34
35	SPARE	20	1					0	0	1	20	SPARE	36
37	SPACE	--	1	--	--					1	--	SPACE	38
39	SPACE	--	1			--	--			1	--	SPACE	40
41	SPACE	--	1					--	--	1	--	SPACE	42
		Total Load:		9512 VA		8531 VA		7117 VA					
		Total Amps:		81 A		73 A		59 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	10472 VA	100.00%	10472 VA		
LIGHTING	9 VA	100.00%	9 VA	**Total Conn. Load:**	25161 VA
POWER	3600 VA	100.00%	3600 VA	**Total Est. Demand:**	24621 VA
RECEPTACLE	11080 VA	95.13%	10540 VA	**Total Conn. Current:**	70 A
				Total Est. Demand Current:	68 A

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 5025 CHARLES PRESTON MURPHEY
10/2/2026

INSIGHT ENGINEERING, PLLC CERTIFICATE OF AUTHORIZATION 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

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

SCHEDULES - ELECTRICAL

SHEET NUMBER

E502

Branch Panel: SP1

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	LTG SITE	20	1	93			1	20	LTG SITE	2
3	LTG SITE	20	1		150		1	20	NEON SIGNAGE	4
5	SPACE	--	1			--	1	--	SPACE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		186 VA	650 VA	0 VA				
		Total Amps:		2 A	6 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	336 VA	100.00%	336 VA		
POWER	500 VA	100.00%	500 VA	**Total Conn. Load:**	836 VA
				Total Est. Demand:	836 VA
				Total Conn. Current:	2 A
				Total Est. Demand Current:	2 A

Branch Panel: SP2

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	LTG SITE	20	1	149	15		1	20	LTG SITE	2
3	SPARE	20	1		0	0	1	20	SPARE	4
5	SPACE	--	1			--	1	--	SPACE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		164 VA	0 VA	0 VA				
		Total Amps:		1 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	164 VA	100.00%	164 VA		
				Total Conn. Load:	164 VA
				Total Est. Demand:	164 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: SP3

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	LTG SITE	20	1	90	18		1	20	LTG SITE	2
3	SPARE	20	1		0	0	1	20	SPARE	4
5	SPACE	--	1			--	1	--	SPACE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		108 VA	0 VA	0 VA				
		Total Amps:		1 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	108 VA	100.00%	108 VA		
				Total Conn. Load:	108 VA
				Total Est. Demand:	108 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: SP4

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	LTG SITE	20	1	81	63		1	20	LTG SITE	2
3	SPACE	20	1		0	0	1	20	SPARE	4
5	SPACE	--	1			--	1	--	SPACE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		144 VA	0 VA	0 VA				
		Total Amps:		1 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	144 VA	100.00%	144 VA		
				Total Conn. Load:	144 VA
				Total Est. Demand:	144 VA
				Total Conn. Current:	0 A
				Total Est. Demand Current:	0 A

Branch Panel: SP5

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	LTG SITE	20	1	248	155		1	20	LTG SITE	2
3	LTG CANOPY	20	1		36	45	1	20	LTG CANOPY	4
5	LTG CANOPY	20	1			36	1	20	PWR FOR FUTURE GATE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		403 VA	81 VA	536 VA				
		Total Amps:		4 A	1 A	5 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	403 VA	100.00%	403 VA		
Other	117 VA	100.00%	117 VA	**Total Conn. Load:**	1020 VA
POWER	500 VA	100.00%	500 VA	**Total Est. Demand:**	1020 VA
				Total Conn. Current:	3 A
				Total Est. Demand Current:	3 A

Branch Panel: SP6

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	LTG SITE	20	1	124	158		1	20	LTG SITE	2
3	LTG CANOPY	20	1		36	0	1	20	SPARE	4
5	SPACE	--	1			--	1	--	SPACE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		282 VA	36 VA	0 VA				
		Total Amps:		2 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	279 VA	100.00%	279 VA		
Other	39 VA	100.00%	39 VA	**Total Conn. Load:**	318 VA
				Total Est. Demand:	318 VA
				Total Conn. Current:	1 A
				Total Est. Demand Current:	1 A

Branch Panel: SP7

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	LTG SITE	20	1	200	0		1	20	SPARE	2
3	SPARE	20	1		0	0	1	20	SPARE	4
5	SPACE	--	1			--	1	--	SPACE	6
7	SPACE	--	1	--			1	--	SPACE	8
		Total Load:		200 VA	0 VA	0 VA				
		Total Amps:		2 A	0 A	0 A				

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	200 VA	100.00%	200 VA		
				Total Conn. Load:	200 VA
				Total Est. Demand:	200 VA
				Total Conn. Current:	1 A
				Total Est. Demand Current:	1 A

STATE OF ARKANSAS REGISTERED No. 3523 CHAD PRESTON HASKEW
10/2/2026

INSIGHT ENGINEERING, PLLC No. 3523 CERTIFICATE OF AUTHORIZATION ARKANSAS

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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

No.	Issue	Date
1	Addendum 1	10/16/26

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

SCHEDULES - ELECTRICAL

SHEET NUMBER

E503

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: 125 A
MCB Rating: 125 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	SPARE	20	1	0	0					1	20	SPARE	8
9	SPARE	20	1			0	0			1	20	SPARE	10
11	SPARE	20	1					0	0	1	20	SPARE	12
		Total Load:		63 VA		51 VA		136 VA					
		Total Amps:		1 A		0 A		1 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	250 VA	100.00%	250 VA		
				Total Conn. Load:	250 VA
				Total Est. Demand:	250 VA
				Total Conn. Current:	1 A
				Total Est. Demand Current:	1 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 / MICH	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		

1

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 30124 MICHAEL PRESTON HISBERG 10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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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

No.	Issue	Date
1	Addendum 1	10/16/26

KEY PLAN

SIGN & SEAL

DRAWN BY

CHECKED BY

SHEET TITLE

SCHEDULES - ELECTRICAL

SHEET NUMBER

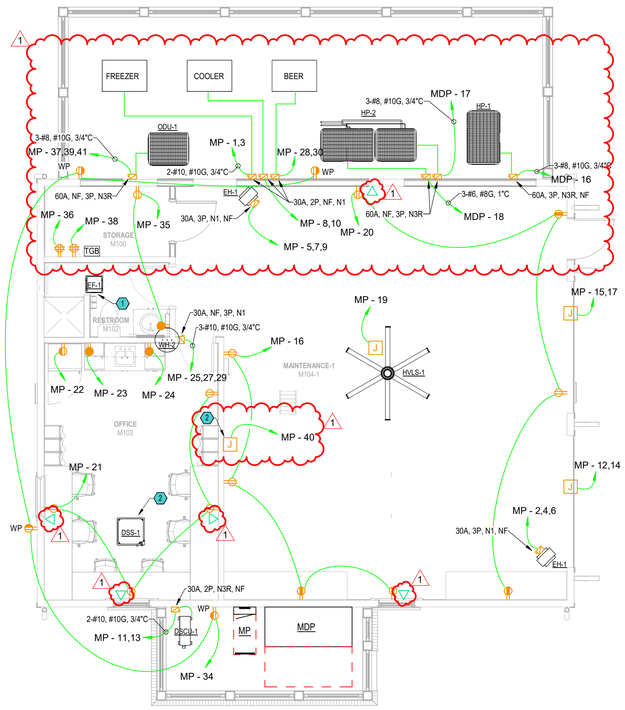
E504

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. 30524 MICHAEL PRESTON HARRIS 10/2/2026

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3524 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

KEY PLAN

SIGN & SEAL

DRAWN BY

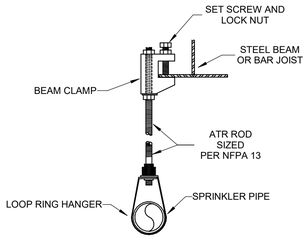
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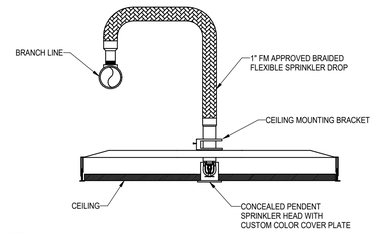
MAINTENANCE BUILDING PLAN - POWER AND SYSTEMS

SHEET NUMBER

E803



1 BEAM CLAMP HANGER DETAIL
NOT TO SCALE:



NOTES:

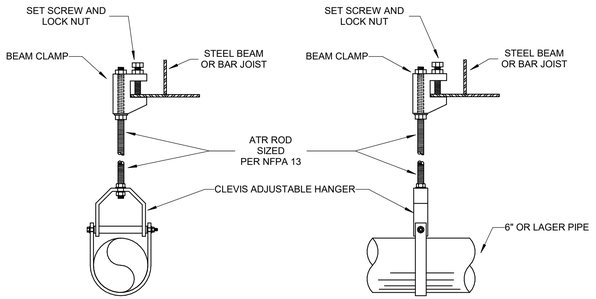
THIS INSTALLATION MAY BE USED IN LIEU OF THE HARD PIPE RETURN BEND INSTALLATION FOR SEISMIC, EASE OF INSTALLATION, TENANT FLEXIBILITY, OWNER, OR SPECIFIC SPRINKLER HEAD LOCATION REQUIREMENTS.

INCLUDE THE EQUIVALENT PIPE LENGTH AS SPECIFIED IN THE MANUFACTURER'S PRODUCT DATA SHEETS IN THE HYDRAULIC CALCULATION REPORTS.

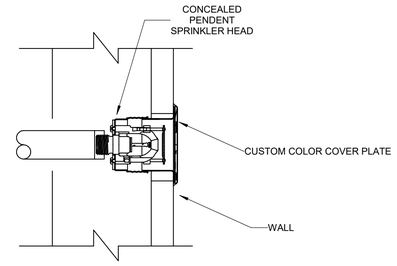
2 BRAIDED FLEXIBLE SPRINKLER DROP DETAIL
NOT TO SCALE:

FIRE PROTECTION GENERAL NOTES

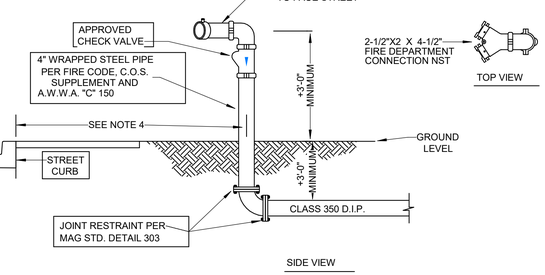
1. PROVIDE THE ENGINEER OF RECORD WITH A PRELIMINARY PUNCH LIST AND DRAWING PRIOR TO COMPLETION OF CONSTRUCTION. ALL ITEMS NOTED SHALL BE ADDRESSED BY THE CONTRACTOR PRIOR TO REQUESTING PUNCH LIST BY THE ENGINEER OF RECORD.
2. ALL PIPE, DEVICES, AND INSTALLATION SHALL FULLY COMPLY WITH NFPA 13, AND ALL REQUIRED AUTHORITIES HAVING JURISDICTION.
3. COMPLY WHOLLY WITH THE REQUIREMENT TO INSTALL ALL PIPING WITHIN CONCEALED SPACES PROVIDED.
4. REFER TO NOTES ON DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS.
5. REFER TO ARCHITECTURAL DRAWINGS FOR GENERAL RENOVATION ITEMS SUCH AS CEILINGS, WALLS AND AREAS OF WORK.
6. SPRINKLER COVERAGE NOT TO EXCEED 225 SQUARE FEET PER HEAD FOR LIGHT HAZARD/ HAZARD CATEGORY-1 AREAS. SPRINKLER COVERAGE NOT TO EXCEED 130 SQUARE FEET PER HEAD FOR ORDINARY HAZARD/ HAZARD CATEGORY-2 AREAS.
7. THOROUGHLY SURVEY THE PROPERTY AND REVIEW ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING (M.E.P.) CONDITIONS, EXISTING OR PLANNED, PRIOR TO BID. THERE IS VERY LIMITED SPACE AVAILABLE FOR PIPE ROUTING.
8. PROVIDE FIRE PROTECTION SHOP DRAWINGS WITH COMPLETE REFLECTED CEILING PLANS INDICATING LOCATION OF EACH SPRINKLER HEAD, AS WELL AS PIPING LAYOUTS, AND ROOM NAMES. PROVIDE ADDITIONAL SPRINKLER HEADS (OVER CODE MINIMUM), IF REQUESTED BY THE ARCHITECT, TO OBTAIN SYMMETRICAL CEILING LAYOUTS.
9. FIRE PROTECTION SYSTEM SHALL BE COMPLETE WITH SPRINKLER PIPING AND HEADS, ELECTRONIC SUPERVISION AND APPURTENANCES AS REQUIRED BY NFPA AND AUTHORITIES HAVING JURISDICTION. PIPE SIZING SHALL BE ESTABLISHED BY THE FIRE PROTECTION CONTRACTOR.
10. CONDUCT A COORDINATION MEETING WITH SUBCONTRACTORS TO ESTABLISH CLEARANCE REQUIREMENTS NEEDED FOR M.E.P. WORK PRIOR TO FABRICATION OF SPRINKLER SYSTEM. ANY RELOCATION OF FIRE SPRINKLER SYSTEM REQUIRED FOR PROPER INSTALLATION OF M.E.P. SYSTEMS IS AT THE CONTRACTOR'S EXPENSE.
11. BASE BID ON CAREFUL COORDINATION OF ARCHITECTURAL COMPONENTS, EXISTING AND NEW MECHANICAL DUCT, MECHANICAL AND PLUMBING PIPING, ELECTRICAL AND STRUCTURAL SYSTEMS IN THE BUILDING.
12. BASE HYDRAULIC CALCULATIONS ON A WATER FLOW TEST OBTAINED FROM THE CITY OF BENTONVILLE VERIFY FLOW TEST DATA WITH LOCAL AUTHORITIES. IF A CURRENT TEST IS NOT AVAILABLE, CONDUCT A PROPER FLOW TEST PRIOR TO PREPARATION OF SHOP DRAWINGS. PROVIDE A MINIMUM OF 10 PSI SAFETY FACTOR FOR ALL HYDRAULIC CALCULATIONS. PIPE SIZING INDICATED ON THE DRAWINGS IS FOR INFORMATIONAL PURPOSES ONLY. PIPE SIZING SHALL BE ESTABLISHED BY THE FIRE PROTECTION CONTRACTOR.
13. INTERFACE FIRE PROTECTION SYSTEM WITH THE BUILDING FIRE ALARM SYSTEM. REFER TO ELECTRICAL.
14. PROVIDE AND INSTALL ELECTRONIC SUPERVISION FOR ALL CONTROL VALVES.
15. PROVIDE SPECIAL CONSIDERATION TO AREAS SUCH AS DROPPED SOFFITS, RAISED CEILINGS, FALSE BEAMS, AND LIGHTING SOFFITS THAT NECESSITATE ADDITIONAL SPRINKLER HEADS. REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS AND BUILDING DETAILS.
16. PROVIDE AND INSTALL QUICK RESPONSE SPRINKLERS FOR LIGHT HAZARD AND ORDINARY HAZARD AREAS, UNLESS OTHERWISE NOTED.
17. ALL NEW CEILING MOUNTED SPRINKLER HEADS SHALL BE CUSTOM COLOR PENDANTS WITH CUSTOM COLOR RECESSED ESCUTCHEONS, UNLESS NOTED OTHERWISE ON FIRE PROTECTION PLANS OR SPECIFICATIONS. EXERCISE CAUTION AROUND CEILING MOUNTED DEVICES OR OPERABLE DOORS. INSTALL CONCEALED SPRINKLERS AS NEEDED TO ELIMINATE SPRINKLERS BEING AN OBSTRUCTION ISSUE WITH OTHER EQUIPMENT.
18. ALL NEW WALL MOUNTED SPRINKLER HEADS SHALL BE CUSTOM COLOR HORIZONTAL SIDEWALLS WITH CUSTOM COLOR ESCUTCHEONS, UNLESS NOTED OTHERWISE ON FIRE PROTECTION PLANS OR SPECIFICATIONS.
19. ALL NEW SPRINKLER HEADS INSTALLED IN EXPOSED STRUCTURE SHALL BE BRASS UPRIGHT, UNLESS NOTED OTHERWISE ON FIRE PROTECTION PLANS OR SPECIFICATIONS.
20. PROVIDE AND INSTALL ALL CEILING MOUNTED SPRINKLER HEADS IN THE CENTER OF CEILING TILES.
21. PROVIDE AUXILIARY DRAINS FOR ALL TRAPPED PIPING SECTIONS IN ACCORDANCE WITH NFPA 13.
22. INSTALL PIPING HORIZONTALLY AND AT RIGHT ANGLES TO WALLS AND CEILINGS.
23. ALL NEW GROOVED PIPING SHALL BE BLACK SCHEDULE 10 OR BLACK SCHEDULE 40 WITH GROOVED AND WELDED OUTLETS. FITTINGS AND COUPLINGS SHALL BE STANDARD GROOVED.
24. ALL NEW THREADED PIPING SHALL BE BLACK SCHEDULE 40. FITTINGS SHALL BE STANDARD "BLACK" GRADE.
25. DO NOT INSTALL ALTERNATIVE STEEL PIPE SCHEDULES ALLOWED BY NFPA 13.
26. PROVIDE PROTECTION FOR SPRINKLER HEADS IN AREAS WHERE THE CEILING AND SURROUNDING AREAS ARE TO BE PAINTED. REMOVE SPRINKLER PROTECTION AFTER PAINTING WORK IS COMPLETE. REPLACE, AT NO ADDITIONAL EXPENSE TO THE OWNER, ANY SPRINKLER HEAD WITH PAINT OR TEXTURE OVERSPRAY.
27. PROVIDE HEAD GUARDS ON ALL SPRINKLER HEADS AT OR BELOW AN ELEVATION OF 7'-0" AFF, OR THAT OTHERWISE MAY BE SUBJECT TO MECHANICAL DAMAGE, SUCH AS IN THE MECHANICAL ROOMS.
28. REPAIR ALL HOLES IN WALLS, FLOORS, AND CEILINGS AND MAINTAIN REQUIRED FIRE RATING OF WALL AND CEILINGS.
29. SEISMIC BRACING/ RESTRAINT IS REQUIRED FOR THIS PROJECT.
30. FIRE PROTECTION PLANS SHALL BE SUBMITTED AND RECEIVED APPROVAL PRIOR TO FABRICATION BY AND ALL REQUIRED LOCAL AND STATE AUTHORITIES.



3 CLEVIS RING HANGER DETAIL
NOT TO SCALE:



4 CONCEALED SIDEWALL SPRINKLER HEAD DETAIL
NOT TO SCALE:

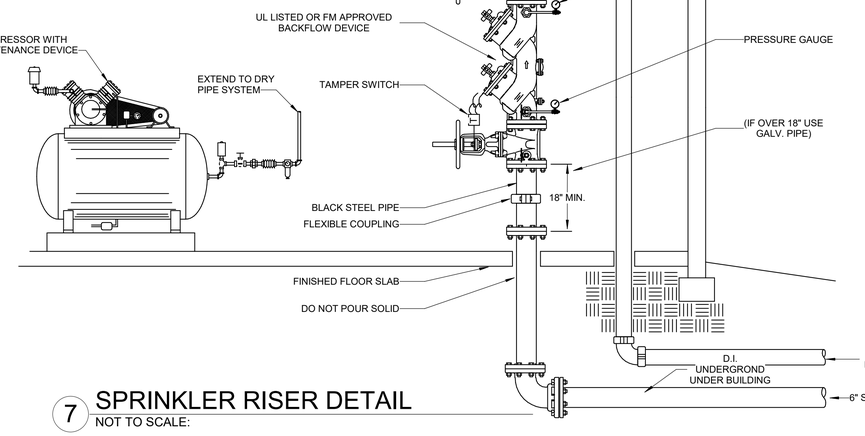


5 CONCEALED CEILING SPRINKLER HEAD DETAIL
NOT TO SCALE:

GENERAL NOTES:

1. PROVIDE BUILDING I.D. ON REMOTE FIRE DEPT. CONNECTION.
2. NO TREES, BUSHES OR WALLS WITHIN 5' RADIUS OF FIRE DEPT. CONNECTION.
3. IF FIRE SPRINKLER DESIGN INDICATES DEMAND OF 1000 GPM OR GREATER, THE UNDERGROUND FIRE DEPT. CONNECTION LINE SHALL BE INCREASED TO 6" DIAMETER WITH A THREE WAY 2-1/2 " FIRE DEPT. HOSE CONNECTION.
4. 4' MIN. TO BACK OF CURB, OR 2' MIN TO BACK OF SIDEWALK, OR WHEN NO CURB, 4' MAX. OUTSIDE THE CLEAR ZONE.

6 FIRE DEPARTMENT REMOTE SIAMESE CONNECTION
NOT TO SCALE:



7 SPRINKLER RISER DETAIL
NOT TO SCALE:

GENERAL NOTES:

1. BACKFLOW PREVENTER SHALL BE TESTED FOR PROPER OPERATION PER LOCAL AHJ, BEFORE A TEMPORARY CERTIFICATE OF OCCUPANCY IS ISSUED. REDUCED-PRESSURE BACKFLOW REQUIRED WHEN F.D. CONNECTION IS WITHIN 1700 FEET OF AN AUXILIARY SUPPLY.
2. ADEQUATE CLEARANCE SHALL BE PROVIDED AROUND FIRE RISER. DIMENSIONS FROM FACE OF PIPE SHALL MEASURE A MINIMUM OF 12" OFF THE BACK WALL, 18" ON EACH SIDE AND 36" CLEAR IN FRONT WITH A FULL HEIGHT THE FIRE LINE SHALL EXTEND A MAXIMUM OF 3' INTO THE BUILDING FROM INSIDE FACE OF WALL TO CENTER OF PIPE.
3. RISER SHALL BE HYDROSTATICALLY TESTED AT 200 PSI FOR TWO HOURS.
4. AT #1 & #4 TEST PORTS INSTALL A 1/2" BRASS NIPPLE, TEE & PLUGS W/1/2" x 1/4" MALE FLARED CONNECTION W/ CAP (INSTALL PRESSURE GAUGE ON TEE OUTLET).
5. HYDRAULIC DESIGN AND SUMMARY INFORMATION PER NFPA SHALL BE ATTACHED TO RISER.
6. SPARE HEAD BOX SHALL BE MOUNTED IN AREA.

* REDUCED-PRESSURE BACKFLOW REQUIRED WHEN F.D. CONNECTION IS WITHIN 1700 FEET OF AN AUXILIARY SUPPLY.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 19764 ALLON A LEE 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

KEY PLAN

SIGN & SEAL

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SHEET TITLE

GENERAL NOTES AND LEGEND - FIRE PROTECTION

SHEET NUMBER

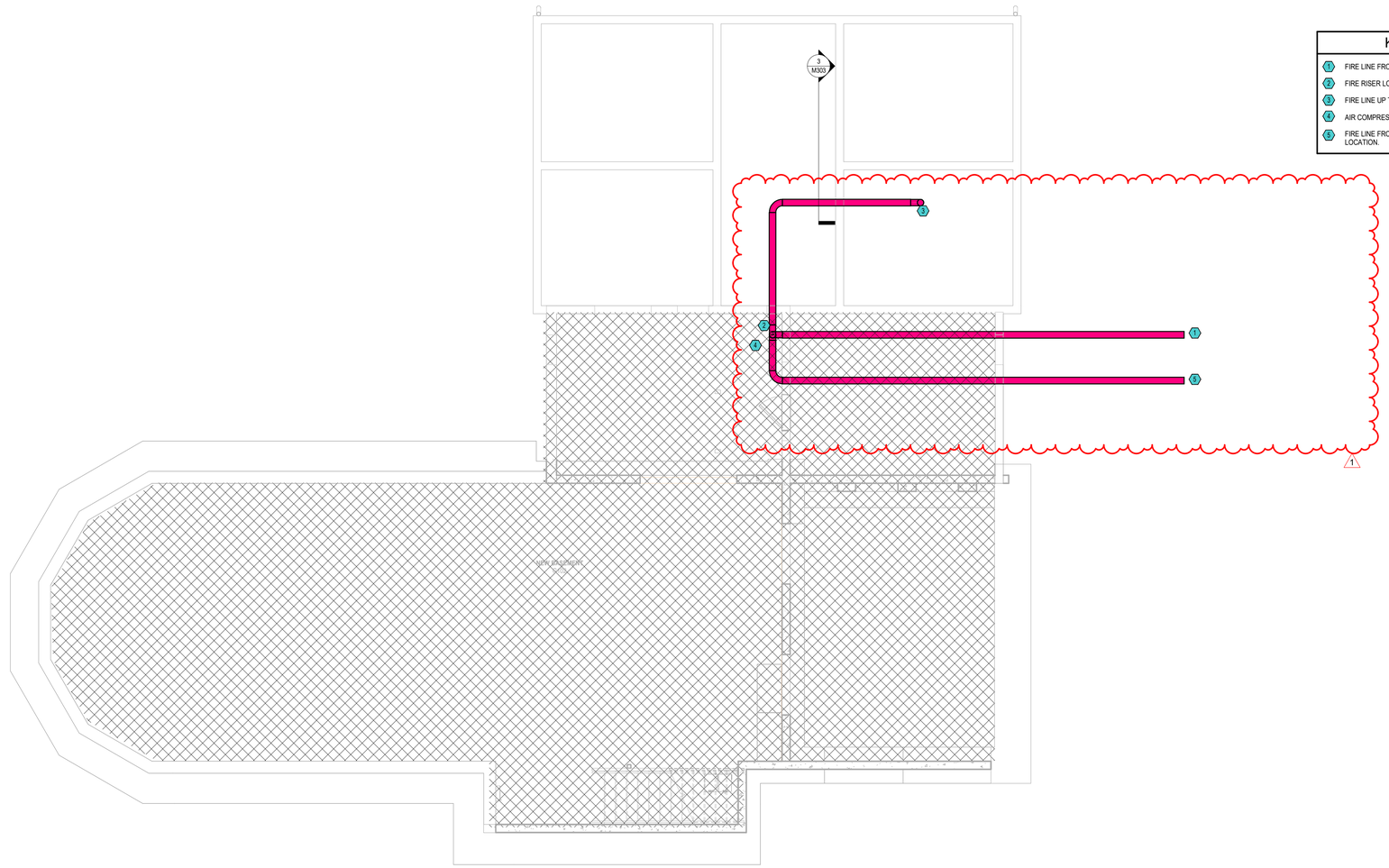
FP001

GENERAL NOTES

CROSS DIAGONAL HATCH AREA INDICATES WET PIPE SPRINKLER SYSTEM

KEYED NOTES

1. FIRE LINE FROM SITE. REFER TO CIVIL FOR CONTINUATION.
2. FIRE RISER LOCATION.
3. FIRE LINE UP THROUGH CHASE TO FLOORS ABOVE.
4. AIR COMPRESSOR LOCATION FOR DRY PIPE SYSTEM.
5. FIRE LINE FROM RISER TO REMOTE FDC. REFER TO CIVIL FOR LOCATION.



1 BASEMENT FLOOR PLAN - FIRE PROTECTION

3/16" = 1'-0"

N

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No. 19764
FALLON A LEE
10/2/2026

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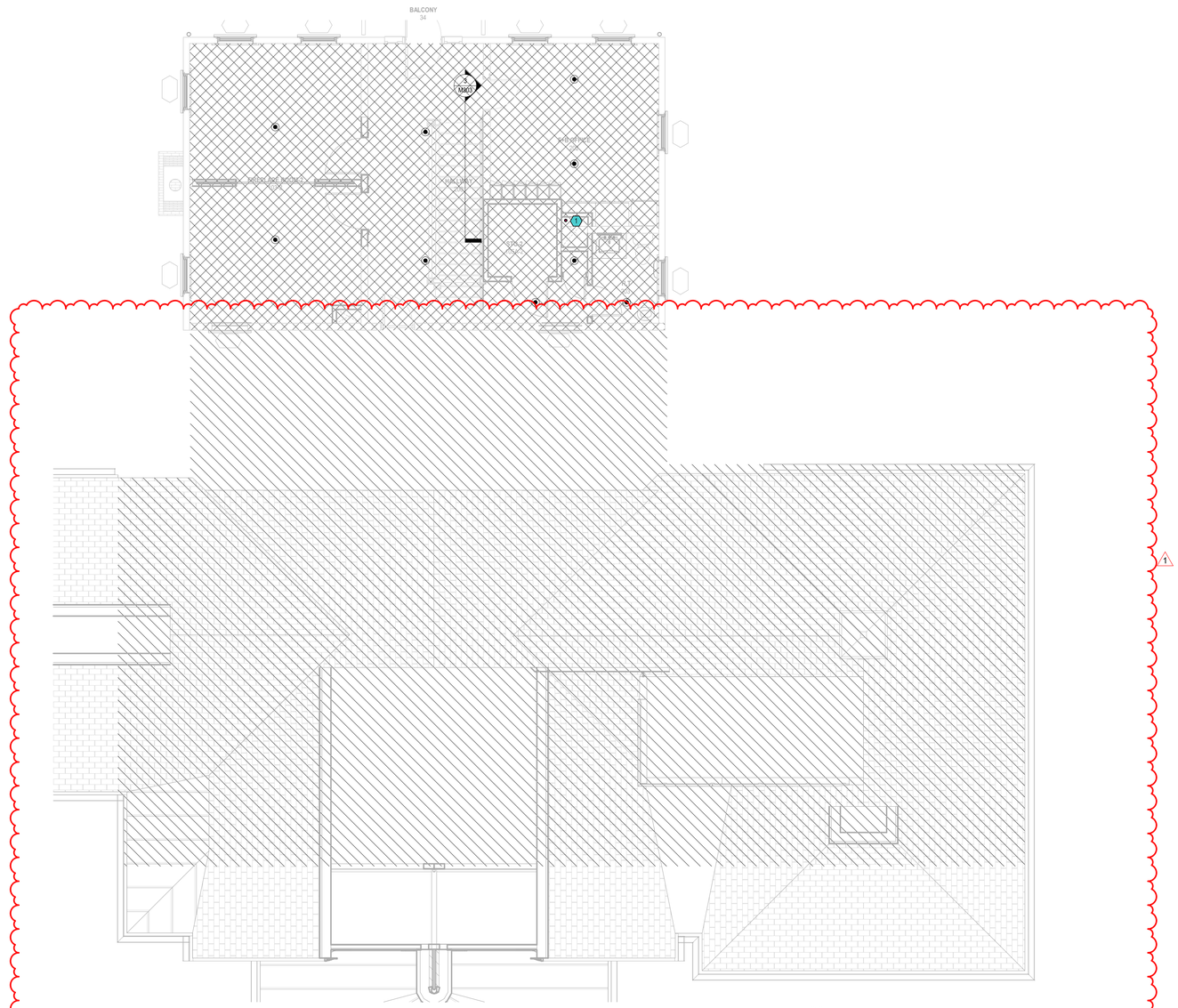
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BASEMENT FLOOR PLAN - FIRE PROTECTION

SHEET NUMBER

FP201



GENERAL NOTES

CROSS DIAGONAL HATCH AREA INDICATES WET PIPE SPRINKLER SYSTEM

DIAGONAL DOWN AREA INDICATES DRY PIPE SPRINKLER SYSTEM IN ATTIC SPACE

KEYED NOTES

1 ROUTE PIPE UP FROM FLOOR BLOW.

1 SECOND FLOOR PLAN - FIRE PROTECTION
3/16" = 1'-0"

N

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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SHEET TITLE

SECOND FLOOR PLAN - FIRE PROTECTION

SHEET NUMBER

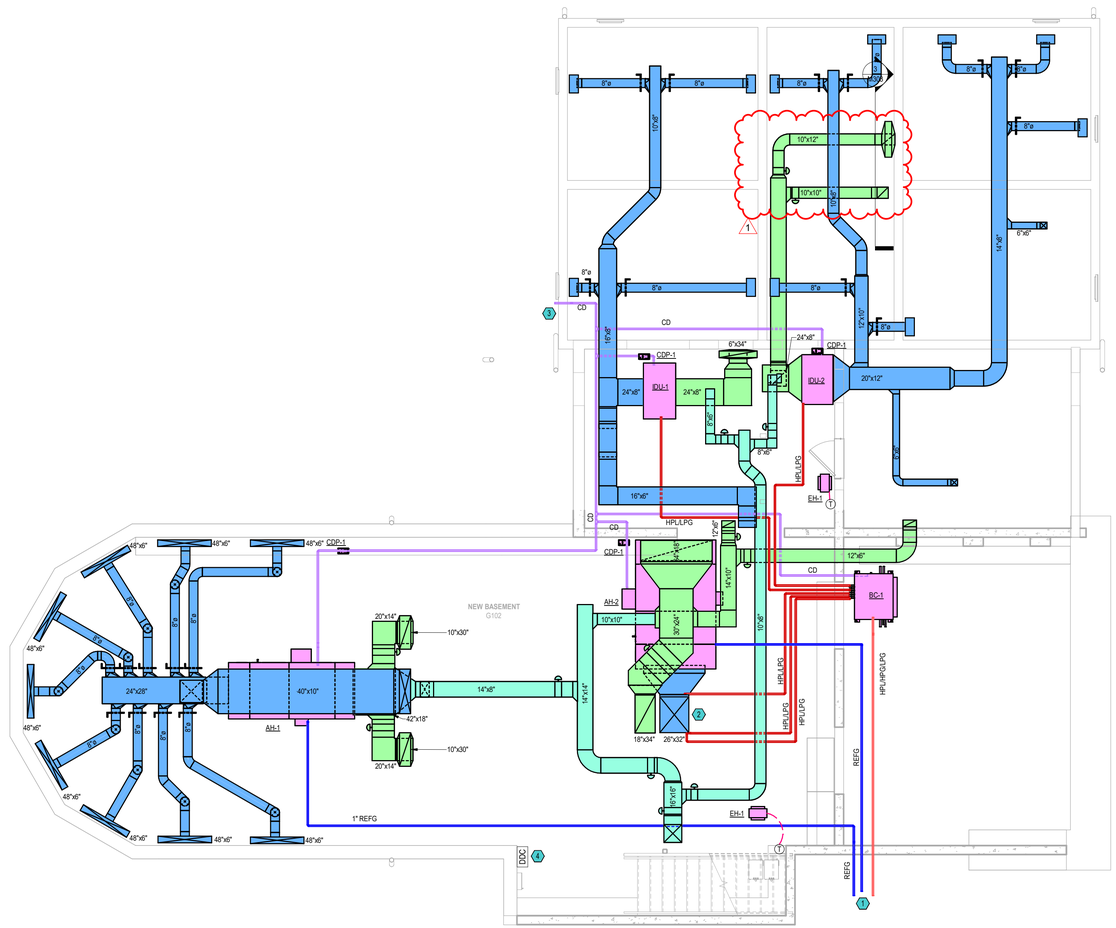
FP203

GENERAL NOTES

1. DUCTWORK ROUTES UP THROUGH FLOOR ABOVE. REFER TO SHEET M202 FOR CONTINUATION.
2. SLEEVE AND SEAL PIPE PENETRATIONS

KEYED NOTES

1. ROUTE REFRIGERANT PIPING UNDER GROUND TO MAINTENANCE BUILDING. ENSURE BELOW GRADE PIPING IS ROUTED PER MANUFACTURERS REQUIREMENTS. REFER TO SHEET M802 FOR CONTINUATION.
2. ROUTE REFRIGERANT LINES UP IN CHASE TO FLOOR ABOVE. REFER TO SHEET M202 FOR CONTINUATION.
3. ROUTE CONDENSATE DRAIN PIPING UP AND PENETRATE WALL TERMINATING 6" ABOVE GRADE.
4. FINAL BAS CONTROLLER LOCATION TO BE COORDINATED WITH THE DESIGN TEAM.



1 BASEMENT FLOOR PLAN - MECHANICAL

3/16" = 1'-0"

N

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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SHEET TITLE

BASEMENT FLOOR PLAN - MECHANICAL

SHEET NUMBER

M201

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.

1

1 GROUND FLOOR PLAN - MECHANICAL

3/16" = 1'-0"

N

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

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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

KEY PLAN

SIGN & SEAL

DRAWN BY

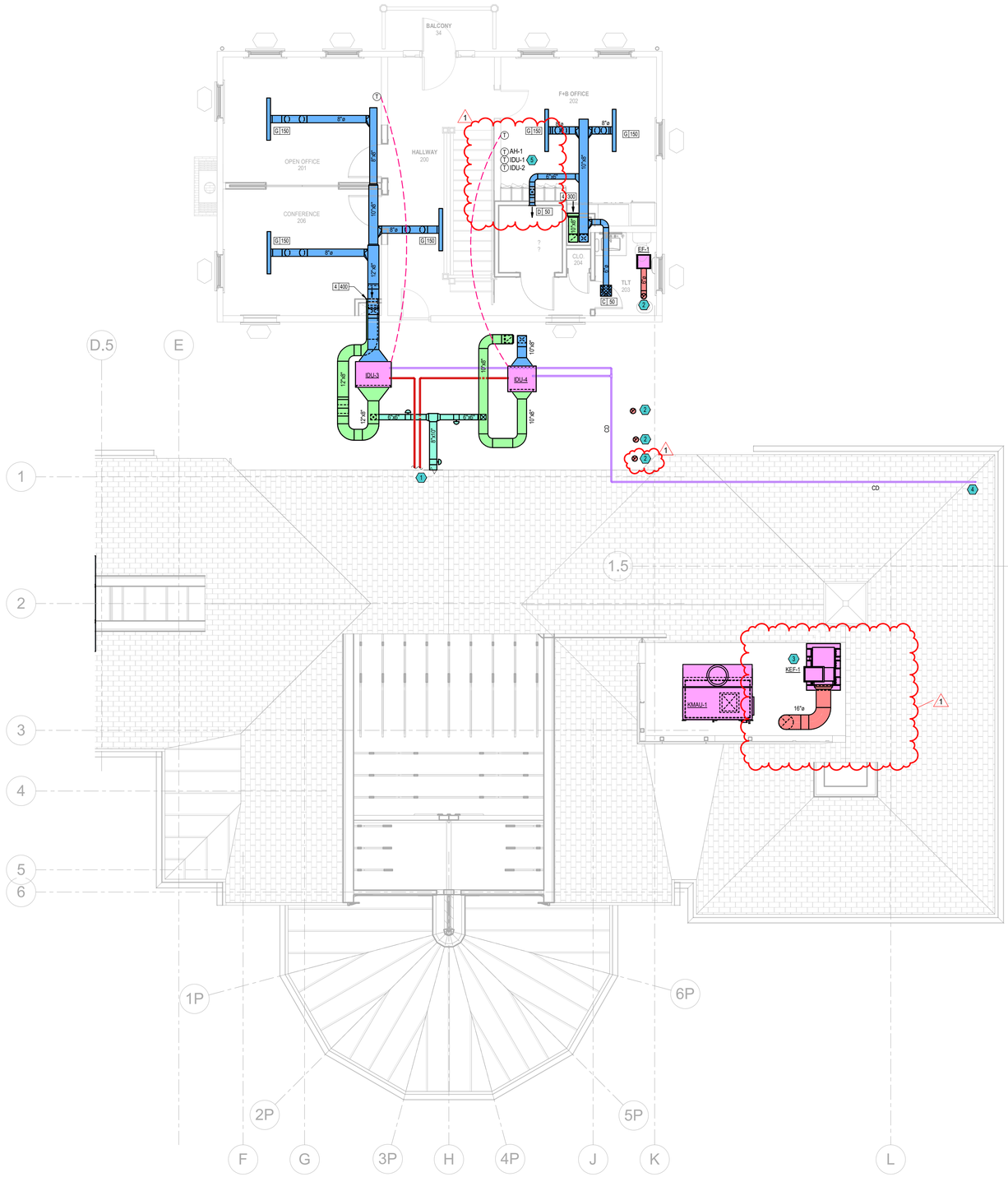
CHECKED BY

SHEET TITLE

FIRST FLOOR PLAN - MECHANICAL

SHEET NUMBER

M202



KEYED NOTES

1. DUCTWORK AND REFRIGERANT LINES CONTINUE IN ATTIC SPACE TO FIRST FLOOR. REFER TO SHEET M202 FOR CONTINUATION.
2. ROUTE 6" EXHAUST DUCTWORK UP THROUGH ROOF. TERMINATE WITH LOW PROFILE ROOF CAP. REFER TO DETAIL 5 ON SHEET M501.
3. INSTALL EXHAUST FAN ON CURB WITH SPRING ISOLATION.
4. ROUTE CONDENSATE DRAIN LINE DOWN IN WALL AND TERMINATE 6" ABOVE GRADE.
5. REMOTE THERMOSTAT CONTROL TIED TO SENSORS IN ASSOCIATED SPACE.

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

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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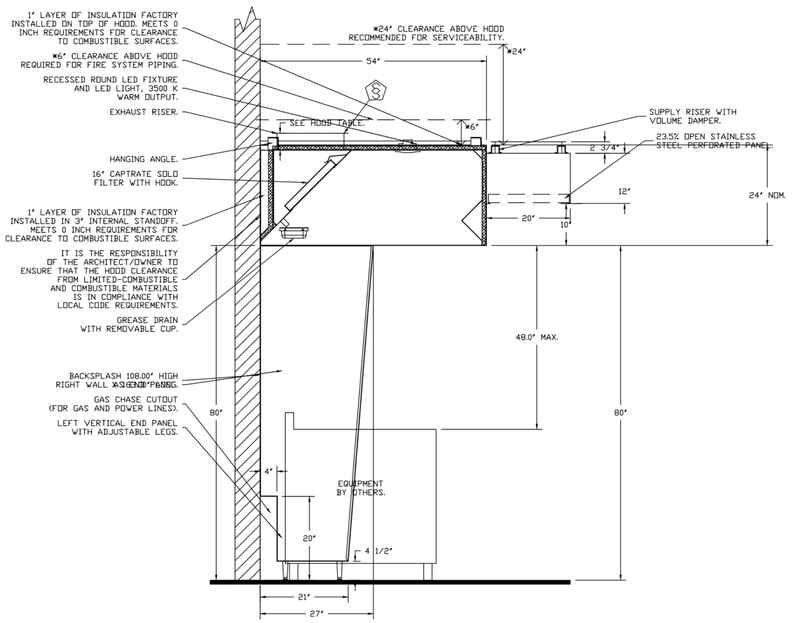
CHECKED BY

SHEET TITLE

SECOND FLOOR PLAN - MECHANICAL

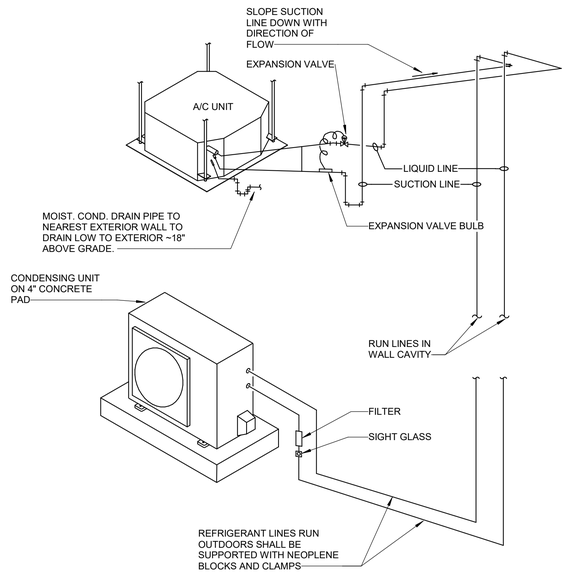
SHEET NUMBER

M203



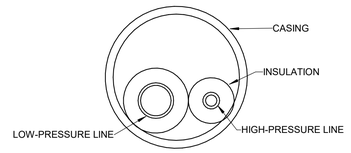
1 KITCHEN HOOD SECTION

NOT TO SCALE:



2 DUCTLESS MINISPLIT CEILING CASSETTE PIPING DETAIL

NOT TO SCALE:

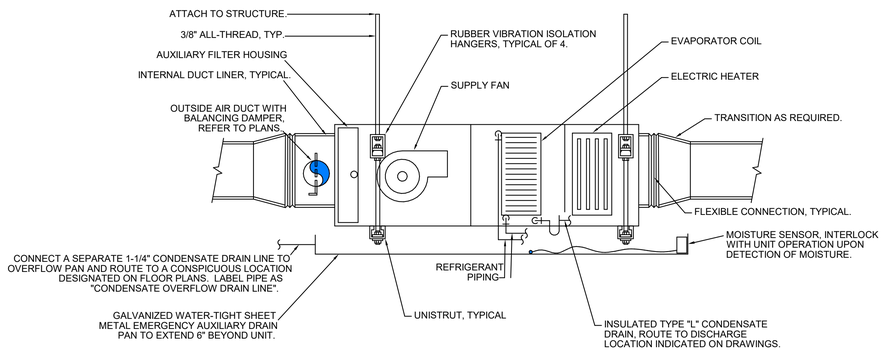


NOTES:

1. REFRIGERANT LINES MUST BE INSULATED SEPARATELY.
2. INSULATION SHALL BE A MINIMUM OF 1/2" THICK.
3. INSTALL CASING AS ONE CONTINUOUS PIECE.
4. CASING SHALL BE WATERTIGHT. IF ANY MOISTURE ENTERS THE CASING, SYSTEM PERFORMANCE WILL BE REDUCED, AND EQUIPMENT FAILURE MAY OCCUR.

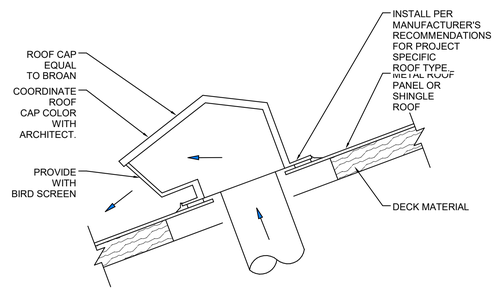
3 REFRIGERANT PIPING DETAIL

NOT TO SCALE:

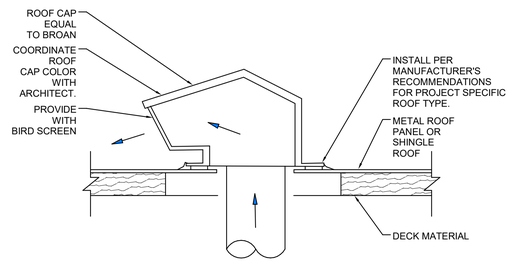


4 HORIZONTAL AIR HANDLER UNIT (SUSPENDED) W/ ELEC HEAT DETAIL

NOT TO SCALE:



SLOPED ROOF APPLICATION



FLAT ROOF APPLICATION

5 ROOF VENT DETAIL (LOW PROFILE)

NOT TO SCALE:

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

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

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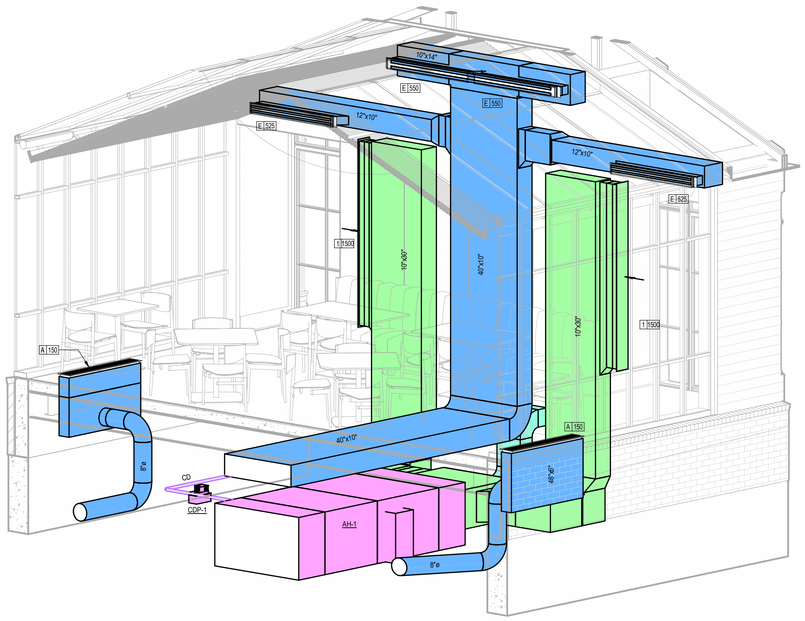
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SHEET TITLE

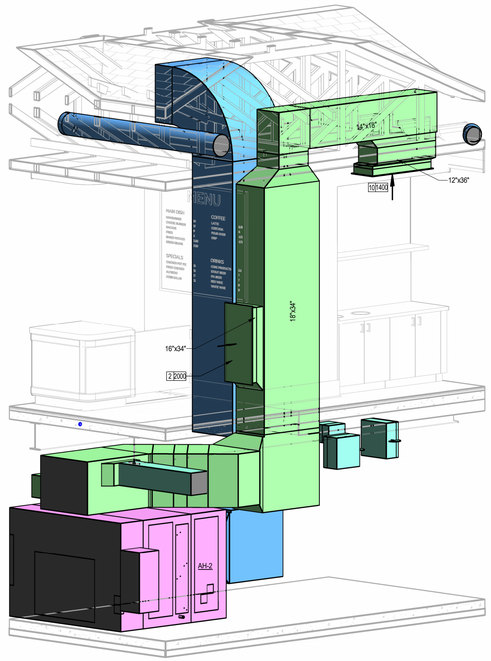
DETAILS - HVAC

SHEET NUMBER

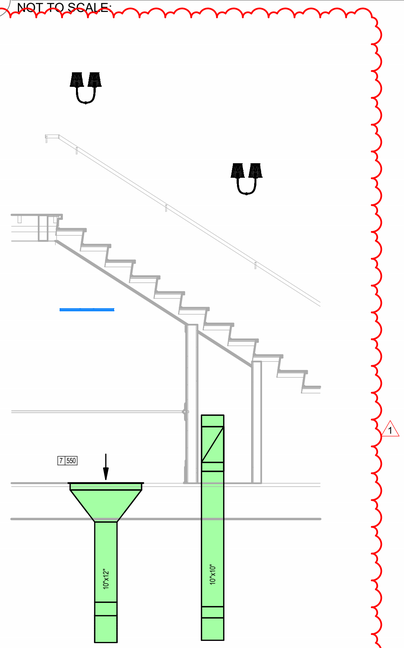
M302



1 GARDEN ROOM ISOMETRIC
NOT TO SCALE:



2 KITCHEN CHASE ISOMETRIC
NOT TO SCALE:



3 HVAC ENTRY
NOT TO SCALE:

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

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SHEET TITLE

DETAILS - HVAC

SHEET NUMBER

M303

HEAT PUMP - AIR HANDLER

DESIGNATION	REFERENCE PRODUCT		AIRFLOW RATE (CFM)	OUTSIDE AIR (CFM)	ESP (IN. WC)	COOLING MODE				HEATING MODE		ELECTRIC HEAT (kW)	ELECTRIC HEAT			ELECTRICAL				REMARKS
	MANUFACTURER	MODEL				TOTAL (MBH)	SENSIBLE (MBH)	EDB / EWB (°F)	LDB / LWB (°F)	TOTAL (MBH)	EDB / LDB (°F)		VOLT / PH.	MCA	MOCP	FAN HP	VOLT / PH.	MCA	MOCP	
AH-1	TRANE	CSAA008	3,500	500	0.75	115.46	78.47	75.45 / 64.78	54.9 / 53.8	108.47	65 / 93.58	28	208 / 3	101.5	110	5.00	208 / 3	29	50	PROVIDE WITH SMOKE DETECTORS IN SUPPLY AND RETURN DUCTWORK. PROVIDE WITH FACTORY MOUNTED COMBINATION VFD AND DISCONECT.
AH-2	TRANE	CSAA017	4,500	500	0.75	249.21	169.67	74.37 / 63.54	55 / 52.92	244.57	65 / 93.19	47	208 / 3	170.1	175	10.00	208 / 3	54	90	PROVIDE WITH SMOKE DETECTORS IN SUPPLY AND RETURN DUCTWORK. PROVIDE WITH FACTORY MOUNTED COMBINATION VFD AND DISCONECT.

1

CONDENSING UNIT

DESIGNATION	REFERENCE PRODUCT		REFRIGERANT	SUMMER		WINTER		EER	IEER	CIRCUITS	ELECTRICAL			REMARKS
	MANUFACTURER	MODEL		COOLING (MBH)	AMBIENT TEMP. (°F)	HEATING (MBH)	AMBIENT TEMP. (°F)				VOLT / PH.	MCA	MOCP	
HP-1	MITSUBISHI TRANE	TUHYE1443AMM0AN	R-454B	133.95	95.0	120.11	47.0	12.7	22	1	208 / 3	60	100	PROVIDE WITH DIGITAL SCROLL COMPRESSOR. PROVIDE WITH LEV CONTROL BOX AND VALVE ASSEMBLIES
HP-2	MITSUBISHI TRANE	TUHYE2643BMM0AN	R-454B	245.22	95.0	204.98	47.0	12.4	23	2	208 / 3	51 / 60	80 / 100	PROVIDE WITH DIGITAL SCROLL COMPRESSOR. PROVIDE WITH LEV CONTROL BOX AND VALVE ASSEMBLIES

1

VRF FAN COIL UNIT

DESIGNATION	REFERENCE PRODUCT		COOLING			HEATING	FAN			ELECTRICAL			REFRIGERANT TYPE
	MANUFACTURER	MODEL	TOTAL MBH	SENS. MBH	EAT DB (°F)	EAT WB (°F)	TOTAL MBH	CFM	OSA	ESP	VOLT / PH.	MCA	MOCP	
IDU-1	TRANE	TPEFYP024MA1M0A	30	29	80	67	34	1000	150	0.6	208 / 1	3.1	15	R32
IDU-2	TRANE	TPEFYP048MA1M0A	48	46	80	67	54	1100	150	0.6	208 / 1	3.4	15	R32
IDU-3	TRANE	TPEFYP015MA1M0A	15	11	80	67	17	450	50	0.6	208 / 1	2.5	15	R32
IDU-4	TRANE	TPEFYP012MA1M0A	12	8	80	67	13.5	450	50	0.6	208 / 1	1.9	15	R32
IDU-5	TRANE	TPEFYP006MA1M0A	6	5	80	67	6.7	300	-	0.6	208 / 1	1.8	15	R32

VRF CONDENSING UNIT

DESIGNATION	REFERENCE PRODUCT		CAPACITY (MBH)		AMP TEMP.	ELECTRICAL			COP	REFRIGERANT TYPE	REMARKS
	MANUFACTURER	MODEL	COOLING	HEATING		VOLT / PH.	MCA	MOCP			
ODU-1	TRANE	TURYE1203AMM0AN	120	135	98	208 / 3	51	80	3.91	R32	PROVIDE WITH HAIL GAURDS, REDUCER, AND SET ON CONCRETE MECHANICAL PAD WITH SUPER STAND KIT.

VRF BRANCH SELECTOR UNIT

DESIGNATION	REFERENCE PRODUCT		CAPACITY	PORTS	ELECTRICAL			REFRIGERANT TYPE
	MANUFACTURER	MODEL	MBH		VOLT / PH.	MCA	MOCP	
BC-1	TRANE	CMB-M104NU-MA-SV	105	5	208 / 1	0.12	15.0	R32

EXHAUST FANS

DESIGNATION	REFERENCE PRODUCT		TYPE	AIRFLOW RATE	ESP (IN. WC)	ROTATION (RPM)	DRIVE	SONES	ELECTRICAL			REMARKS
	MANUFACTURER	MODEL							MCA	MOCP	VOLT / PH.	
EF-1	GREENHECK	SP-A90	CEILING	100	0.1	900	DIRECT	0.3	0.2	15	115 / 1	INTERLOCK FAN WITH LIGHTSWTICH. PROVIDE WITH ALUMINUM PAINTABLE FACE COVER.
EF-2	GREENHECK	SP-A90	CEILING	100	0.1	900	DIRECT	0.3	0.2	15	115 / 1	FAN SHALL OPERATE CONTINUOUSLY. PROVIDE WITH ALUMINUM PAINTABLE FACE COVER.

1

DUCTLESS SPLIT SYSTEMS

DESIGNATION	REFERENCE PRODUCT			INDOOR UNIT TYPE	REFRIG. TYPE	TOTAL COOLING (MBH)	AIR EDB / EWB (°F)	OUTDOOR AMBIENT TEMP.	HEATING @ 17° F (MBH)	TOTAL AIRFLOW (CFM)	SEER	ELECTRICAL (OUTDOOR UNIT)			REMARKS
	MANUFACTURER	MODEL (INDOOR)	MODEL (OUTDOOR)									VOLTS / PH.	MCA	MOCP	
DSS-1 / DSCU-1	MITUSBISHI ELECTRIC	PLA-AE12NL	PUY-AK12NL	CEILING CASSETTE	R454B	12.40	80 / 67	95.0	----	1,590	24.8	208 / 1	16.0	27.0	OUTDOOR UNIT TO POWER THE INDOOR UNIT. PROVIDE REFRIGERANT LINE SET.

PUMPS

DESIGNATION	REFERENCE PRODUCT		TYPE	FLOW RATE (GPM)	TOTAL HEAD (FT. WATER)	RPM	IMPELLER DIAMETER	EFFICENCY (%)	MOTOR SIZE		ELECTRICAL	REMARKS
	MANUFACTURER	MODEL							BHP	MHP	VOLT / PH.	
CDP-1	LITTLE GIANT	VCMA-20	CONDENSATE PUMP	0.11	8	-	-	-	-	1.5 AMPS	115 / 1	

ENERGY RECOVERY CORE (AIR-TO-AIR)

DESIGNATION	REFERENCE PRODUCT		SUMMER CONDITIONS											WINTER CONDITIONS											ELECTRICAL			
			OUTSIDE - SUPPLY AIR					RETURN - EXHAUST AIR					TOTAL MBH	EFF.	OUTSIDE - SUPPLY AIR					RETURN - EXHAUST AIR					TOTAL MBH	EFF.	MOTOR SIZE	VOLT / PH.	MCA	MOCP
			AIRFLOW (CFM)	EAT (°F)		LAT (°F)		AIRFLOW (CFM)	EAT (°F)		LAT (°F)				AIRFLOW (CFM)	EAT (°F)		LAT (°F)		AIRFLOW (CFM)	EAT (°F)		LAT (°F)						
	MANUFACTURER	MODEL		DB	WB	DB	WB		DB	WB	DB	WB				DB	WB	DB	WB		DB	WB	DB	WB					
ERV-1	TRANE	ERC-M10-HF-VG	225.00	95.00	75.0	77.40	65.9	300.00	75.00	62.5	87.70	69.9	7.96	74.90	225.00	11.50	8.8	64.50	49.0	300.00	72.00	55.8	33.60	32.1	12.87	80.60	0.3	115 / 1	6.4	15

HVLS CIRCULATING FANS

DESIGNATION	REFERENCE PRODUCT		AIRFLOW (CFM)	NO. OF FAN	BLADE LENGTH	ELECTRICAL			WEIGHT (LBS)	REMARKS
	MANUFACTURER	MODEL				MHP	VOLT / PH.	FLA		
HVLS - 1	GREENHECK	DC-5-7-MV	14,000	1	3	0.1	115 / 1	1.6	34	PROVIDE WITH CONTROLLER AND ARCHITECT TO PICK COLOR

UNIT HEATERS - ELECTRIC

DESIGNATION	REFERENCE PRODUCT		HEATING CAPACITY (KW)	FAN		ELECTRICAL		WEIGHT (LBS.)	REMARKS
	MANUFACTURER	MODEL		CFM	MHP	VOLT / PH.	AMPS		
EH-1	MARKEL	7421702	3.33	400	.33	208 / 3	9.5	36	PROVIDE WITH ELECTRICAL DISCONNECT, MOUNTING BRACKET, AND REMOTE MOUNTED THERMOSTAT.

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

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SHEET TITLE

SCHEDULES - HVAC

SHEET NUMBER

M401

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	USBI18DD-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			NOTES
															OUTSIDE AIR		MIXED AIR		LEAVING AIR			CAPACITY										
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	DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.	IEER	ISMRE2	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	
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
												FIRE SYSTEM		ELECTRICAL	SWITCHES		
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	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 #5JS60-201-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 MG WIRE, 32 FEET OF TAN MG 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 - WK-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	REFER TO FLOOR PLAN FOR PANEL SIZE AND ANGLE DIFFUSER TOWARD WINDOW.
B	TITUS	OMNI	LAY-IN PLAQUE	500	0.12	12	24 x 24	20	WHITE	PROVIDE WITH INSULATION BLANKET.
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	PROVIDE WITH FACE DAMPER.
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. 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. 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. 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. 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		18 x 6	20 x 8		CUSTOM COLOR PER ARCH	PROVIDE WITH DUCT CONNECTION AND WITH FLUSH MOUNTING KIT. CELTIC CROSS 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.

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER NO. 19764 DILLON 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

KEY PLAN

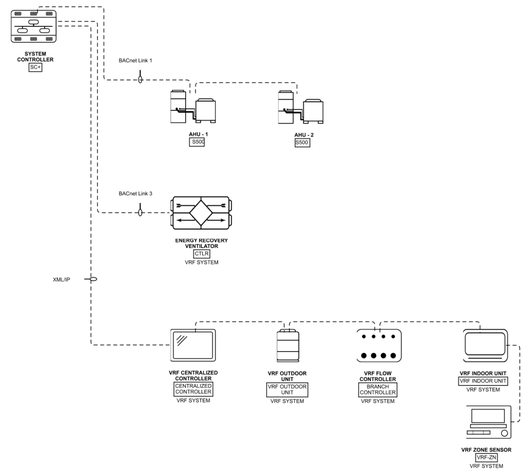
SIGN & SEAL

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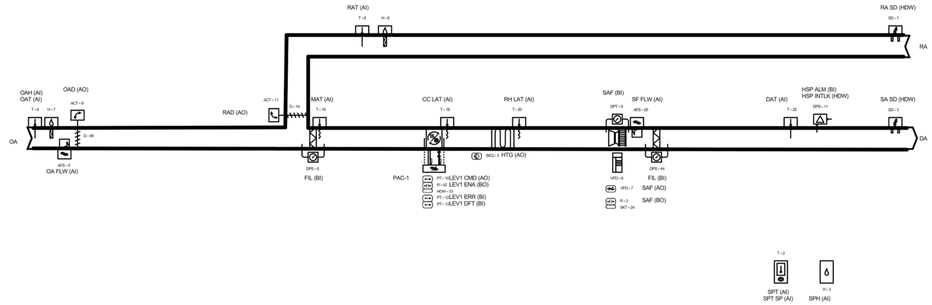
SHEET TITLE
SCHEDULES - HVAC

SHEET NUMBER
M402



1 SYSTEM ARCHITECTURE

NOT TO SCALE:





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 temperatures 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.

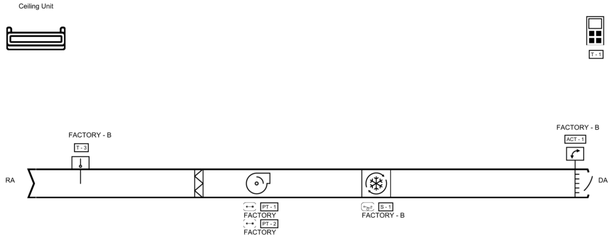
Smoke Detector Shutdown:

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)	SCHEDULE (SCHED)	CALENDAR (CAL)	TREND LOG (TL)	NOTIFICATION CLASS (NC)	ACCUMULATOR (ACCUM)	LIFE SAFETY POINT (LSP)	LIFE SAFETY ZONE (LSZ)	ACCESS DOOR (AD)	OFF NORMAL	FAULT	HIGH LIMIT	LOW LIMIT	BINARY	LIFE SAFETY	ACCESS DOOR	ERROR	COMMUNICATION FAIL
COMPRESSOR 1 SPEED COMMAND OBP1		X			X																						
COOLING COIL LEAVING TEMPERATURE LOCAL CC LAT		X	X																								
DISCHARGE AIR TEMPERATURE SAT		X	X																X	X							X
DISCHARGE AIR STATIC PRESSURE LOCAL DA SP		X	X																X	X							X
FINAL FILTER STATUS FFS		X	X																								
FILTER STATUS FS		X	X																								
HEAT ENABLE HT ENA		X			X																						
HEATING OUTPUT COMMAND HTG		X		X																							
HIGH STATIC ALARM SP ALM		X	X																								X
HIGH STATIC ALARM INTERLOCK SP INTLK		X	X																								X
MIXED AIR DAMPER COMMAND MAD		X		X																							
MIXED AIR TEMPERATURE LOCAL MAT		X	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																								X
PREHEAT LEAVING COIL TEMPERATURE LOCAL PH LAT		X	X																								X
RETURN AIR DAMPER COMMAND RAD		X		X																							
RETURN AIR TEMPERATURE LOCAL RAT		X	X																								
RETURN SMOKE DETECTOR INPUT RSD			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																			X
DISCHARGE AIR COOLING SETPOINT DA CL SP						X																					
DISCHARGE AIR HEATING SETPOINT DA HT SP						X																					
MAINTENANCE REQUIRED MAT REQ							X																				
OUTSIDE AIR TEMPERATURE LOW LIMIT SETPOINT OA LLT STPT						X																					
OCCUPIED HEATING SETPOINT OCC HTG STPT		X				X																					
SUPPLY FAN FAILURE SF FAIL			X																								
UNOCCUPIED HEATING SETPOINT UNOCC HTG STPT		X				X																					
LEV STAGE 1 COMMAND LEV1 CMD			X		X																						
LEV STAGE 1 START STOP LEV1 SSC			X		X																						
LEV STAGE 1 ERROR STATUS LEV1 ERR			X																								
LEV STAGE 1 DEFROST STATUS LEV1 DFT			X																								
LEV STAGE 2 COMMAND LEV2 CMD			X		X																						
LEV STAGE 2 START STOP LEV2 SSC			X		X																						
LEV STAGE 2 ERROR STATUS LEV2 ERR			X																								
LEV STAGE 2 DEFROST STATUS LEV2 DFT			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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ACOUSTICAL ENGINEERS
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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

KEY PLAN

SIGN & SEAL

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

CERTIFICATE OF AUTHORIZATION INSIGHT ENGINEERING, PLLC No. 3523 ARKANSAS

DRAWN BY

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SHEET TITLE

CONTROLS - HVAC

SHEET NUMBER

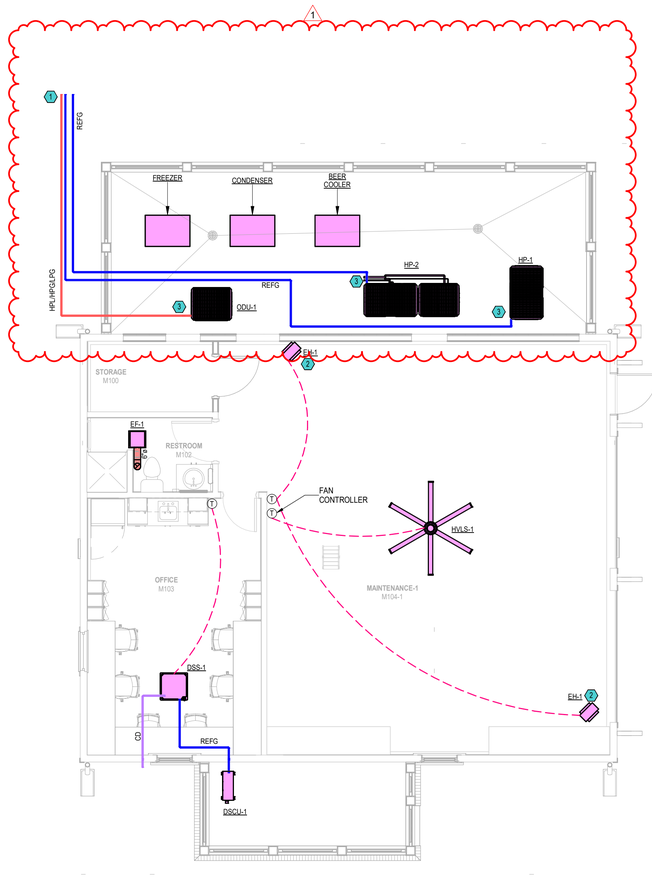
M501

GENERAL NOTES

1. SLEEVE AND SEAL PIPE PENETRATIONS

KEYED NOTES

1. ROUTE REFRIGERANT PIPING UNDER GROUND TO BASEMENT OF THE BUD WALTON MANSION. REFER TO SHEET M201 FOR CONTINUATION.
2. INSTALL ELECTRIC UNIT HEATERS TIGHT TO CEILING, 7' 6" AFF. PROVIDE WITH WALL MOUNTING BRACKET.
3. ROUTE REFRIGERANT PIPING DOWN FROM UNIT UNDERGROUND. COORDINATE ROUTING WITH KITCHEN EQUIPMENT ROUTING.



1 MAINTENANCE BUILDING PLAN - MECHANICAL

3/16" = 1'-0"

N

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

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CENTRAL HOUSE & GARDEN

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KEY PLAN

SIGN & SEAL

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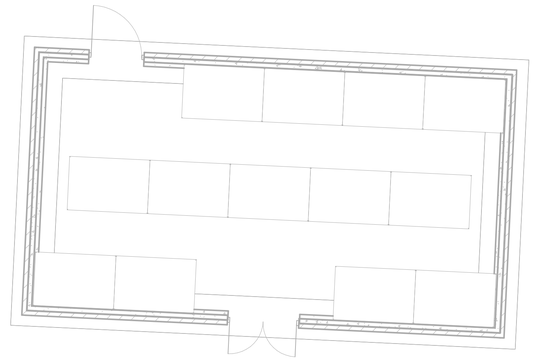
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SHEET TITLE

MAINTENANCE BUILDING PLAN - MECHANICAL

SHEET NUMBER

M802





KEYED NOTES

1 INSTALL ELECTRIC UNIT HEATER TIGHT TO STRUCTURE, 9' AFF. PROVIDE WITH CEILING MOUNTING BRACKETS.

1 GREENHOUSE & GARDEN SHED - MECHANICAL
3/16" = 1'-0"

N

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KEY PLAN

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SHEET TITLE

GREENHOUSE & GARDEN SHED PLAN - MECHANICAL

SHEET NUMBER

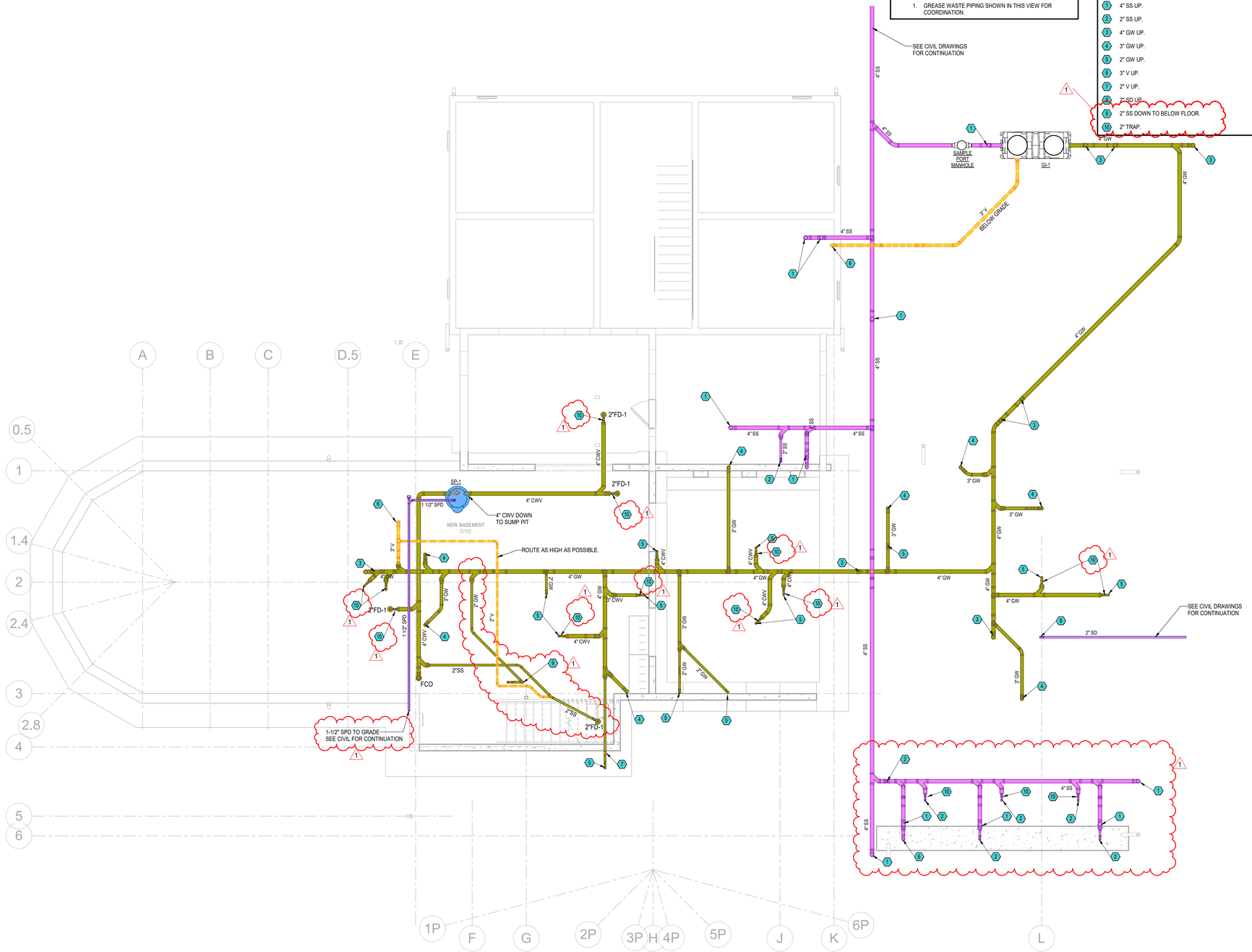
M901

GENERAL NOTES

1. GREASE WASTE PIPING SHOWN IN THIS VIEW FOR COORDINATION.

KEYED NOTES

1. 4" SS UP.
2. 2" SS UP.
3. 4" GW UP.
4. 3" GW UP.
5. 2" GW UP.
6. 3" V UP.
7. 2" V UP.
8. 2" SD UP.
9. 2" SS DOWN TO BELOW FLOOR.
10. 2" TRAP.



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

N

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

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PROJECT TITLE

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KEY PLAN

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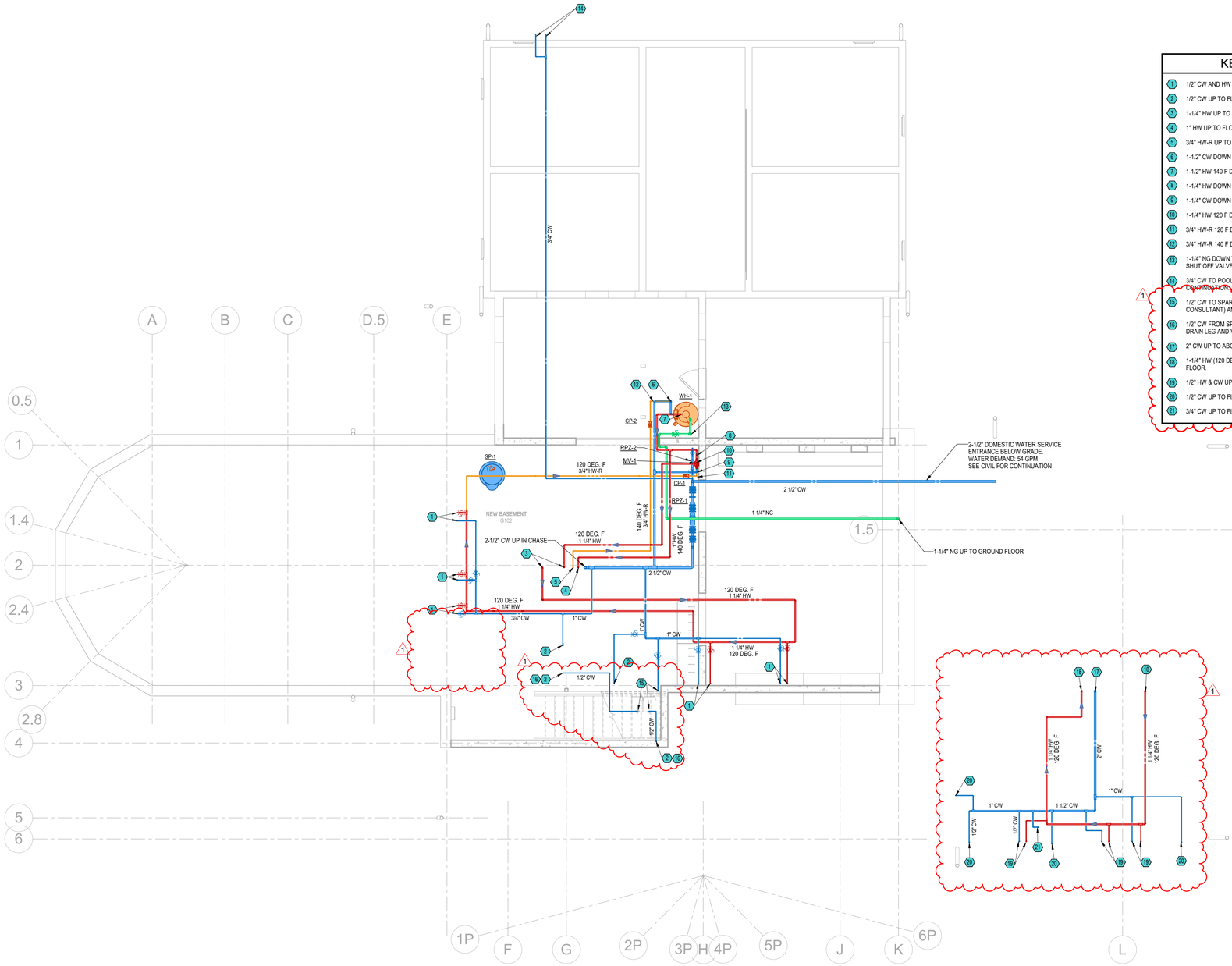
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SHEET TITLE

BASEMENT FLOOR PLAN - SANITARY SEWER

SHEET NUMBER

P201



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 JULLON A LEE 10/2/2026

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CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

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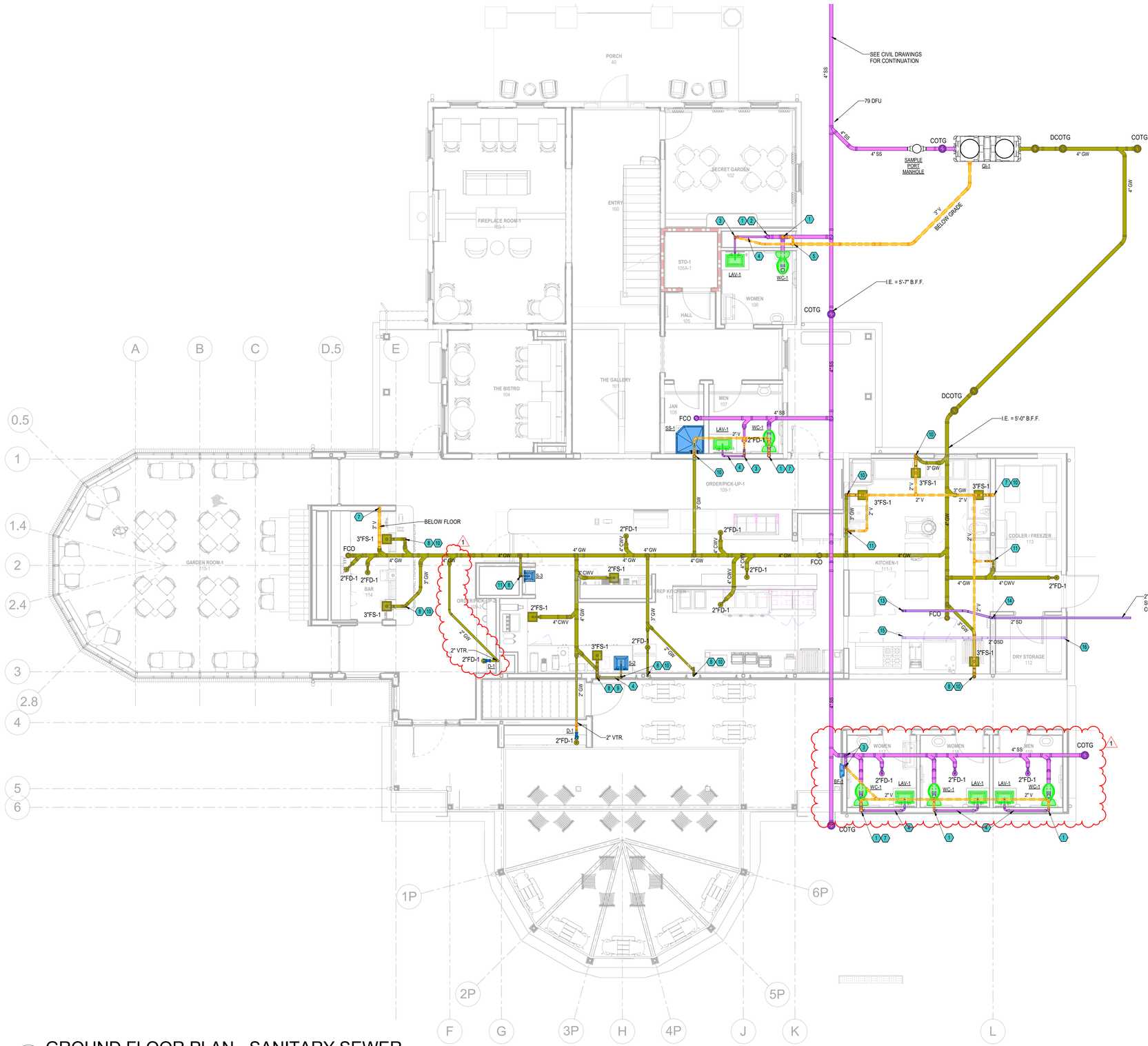
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SHEET TITLE

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 ALLISON A LEE 10/2/2026

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(215) 245 8244

PROJECT TITLE

CENTRAL HOUSE & GARDEN

BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

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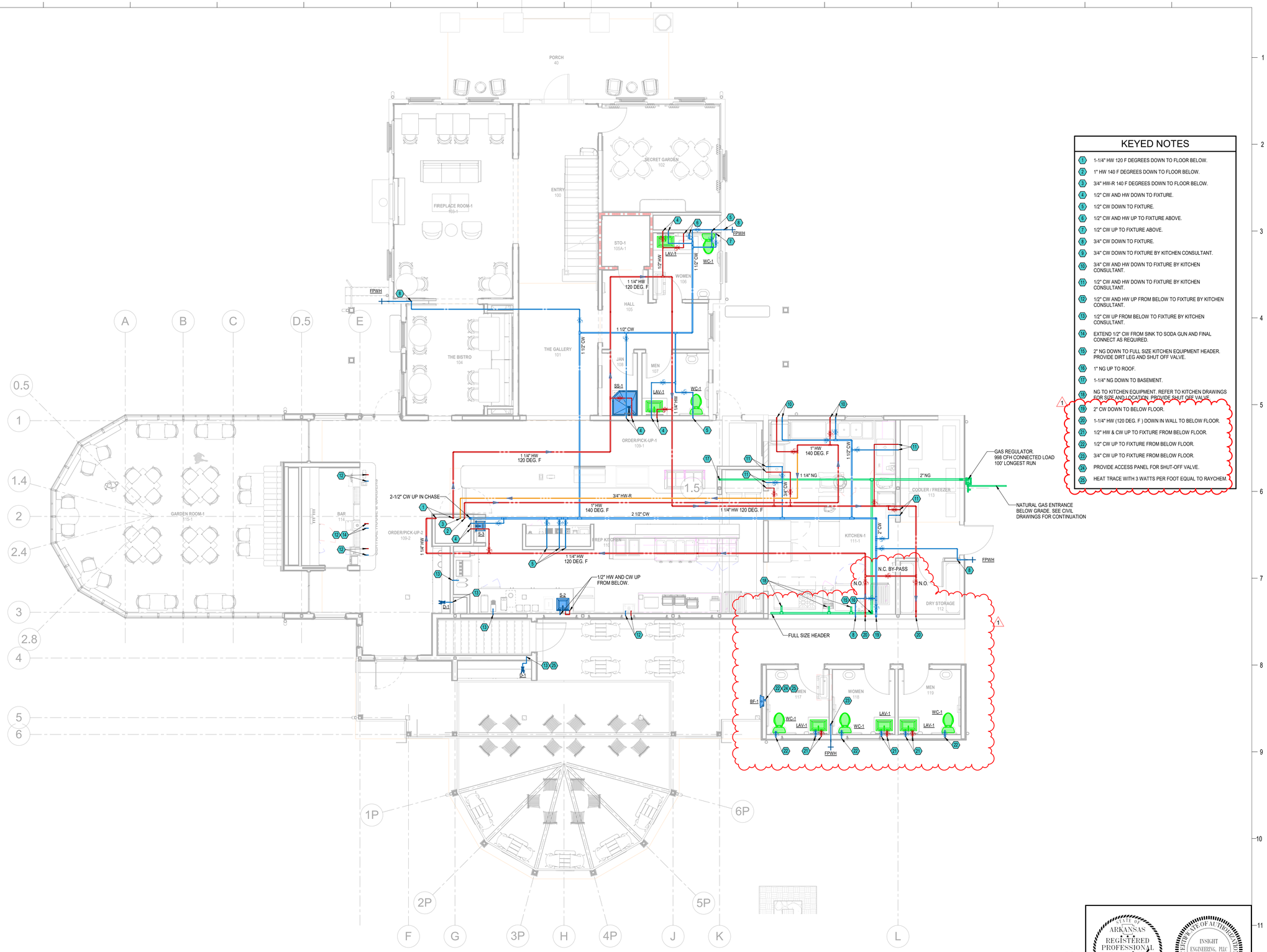
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SHEET TITLE

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"

N

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

INSIGHT ENGINEERING, PLLC
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PROJECT TITLE

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BENTONVILLE, AR

PROJECT NUMBER: 31483

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KEY PLAN

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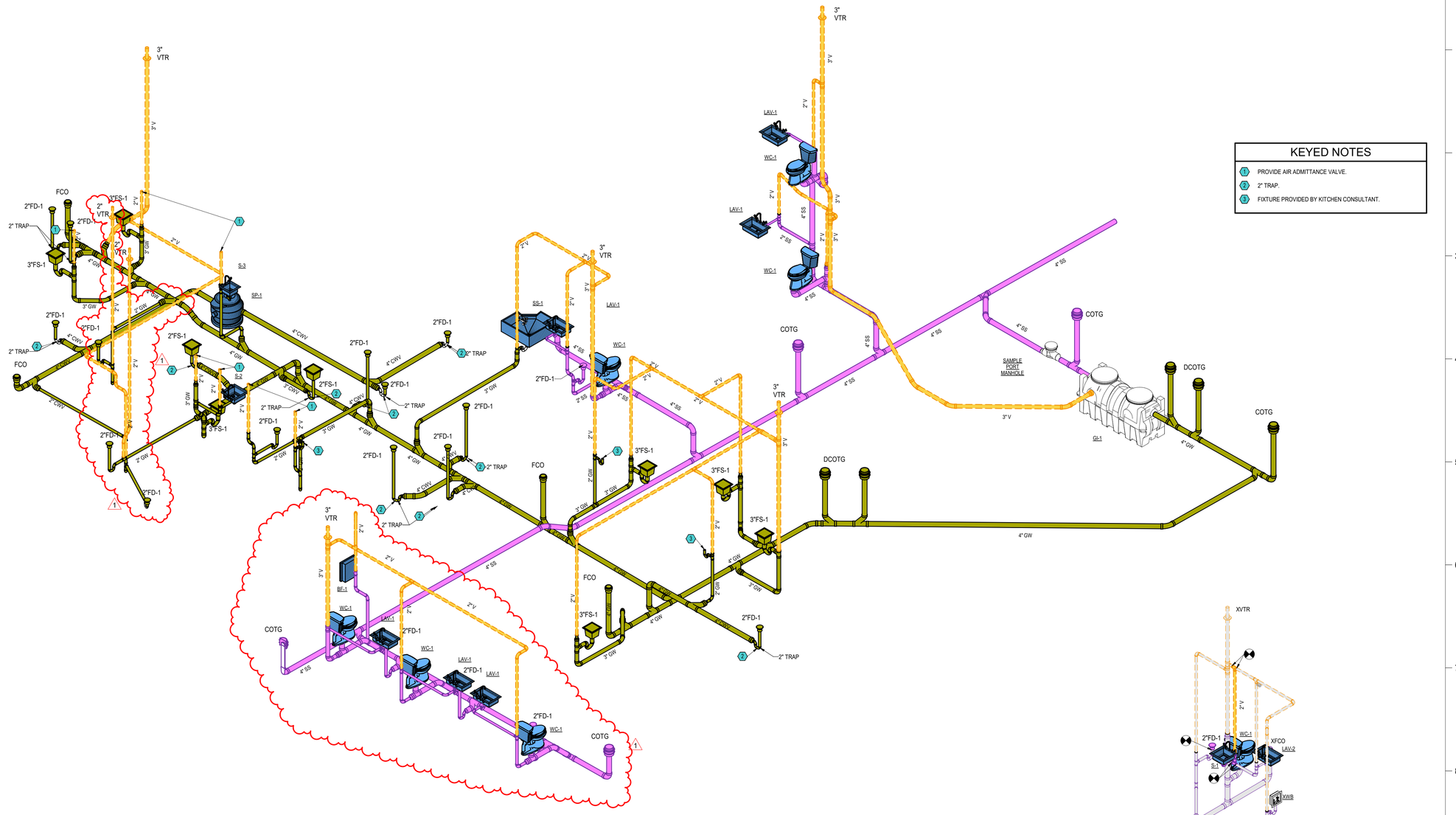
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SHEET TITLE

GROUND FLOOR PLAN - DOMESTIC WATER

SHEET NUMBER

P204



KEYED NOTES

1. PROVIDE AIR ADMITTANCE VALVE.
2. 2" TRAP.
3. FIXTURE PROVIDED BY KITCHEN CONSULTANT.

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

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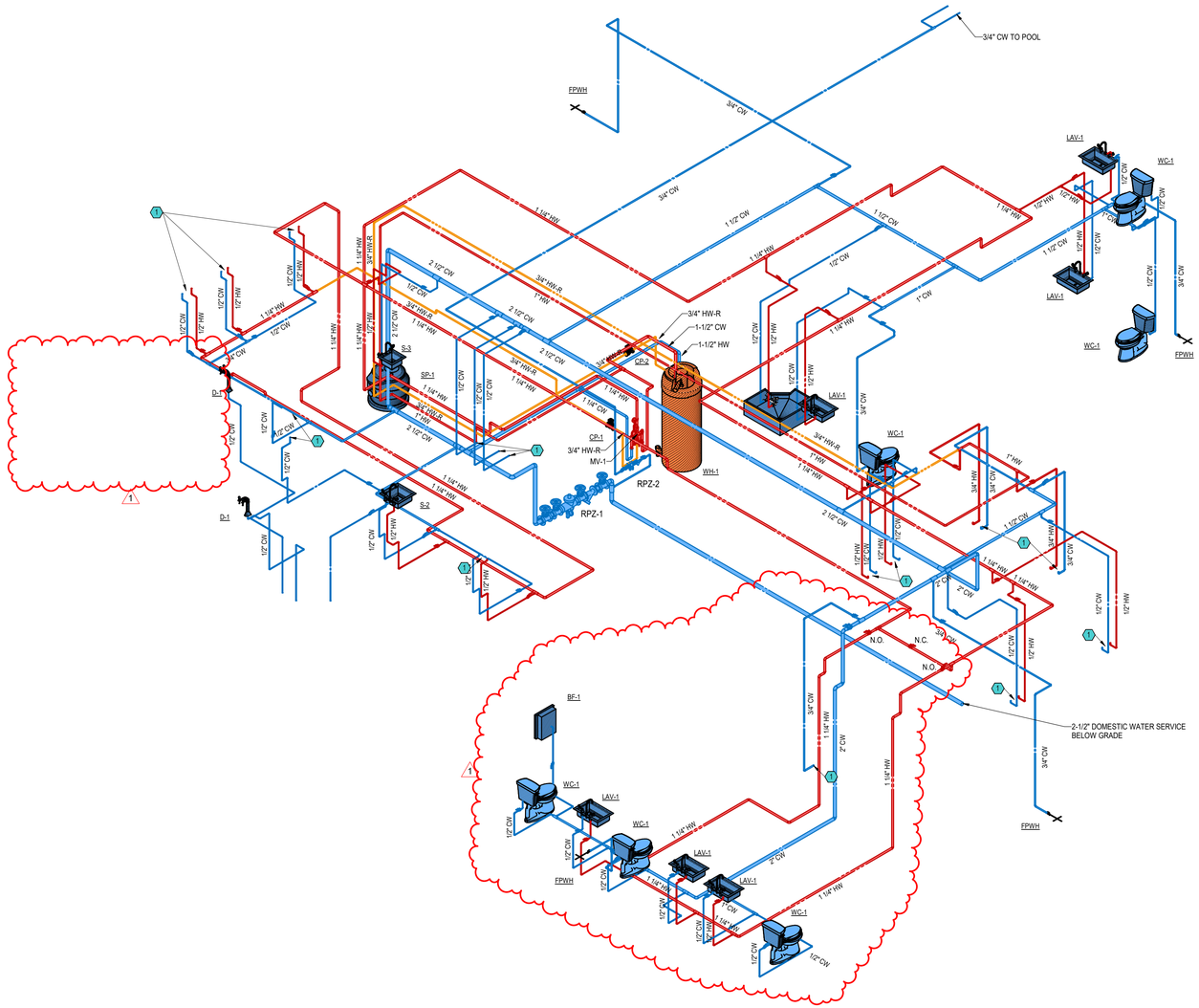
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SHEET TITLE

RISER DIAGRAMS - PLUMBING

SHEET NUMBER

P301

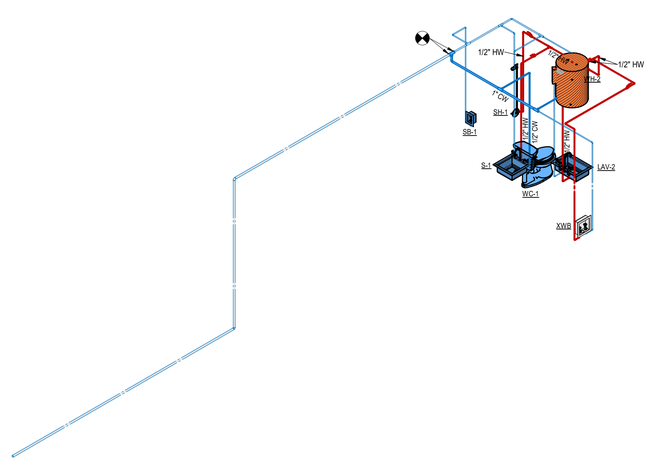


1 PLUMBING RISER DIAGRAM - DOMESTIC WATER

NOT TO SCALE:

KEYED NOTES

1. FIXTURE PROVIDED BY KITCHEN CONSULTANT.



2 PLUMBING RISER DIAGRAM - DOMESTIC WATER MAINTENANCE BUILDING

NOT TO SCALE:

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

INSIGHT ENGINEERING, PLLC No. 3523 CERTIFICATE OF AUTHORIZATION 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

KEY PLAN

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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-J, 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 DI-1-35, 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 SINK, 1-COMPARTMENT, 14" WIDE X 10" FRONT-TO-BACK X 5" DEEP BOWL, 20 GAUGE, 304 STAINLESS STEEL, WITH DECK MOUNTED GOOSENECK FAUCET, BASKET DRAIN, NSF, FAUCET - HEAVY DUTY, 4" OC, DECK MOUNTED WITH 3-1/2" 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

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	3/4"	3/4"	-
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

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

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SCHEDULES - PLUMBING

SHEET NUMBER

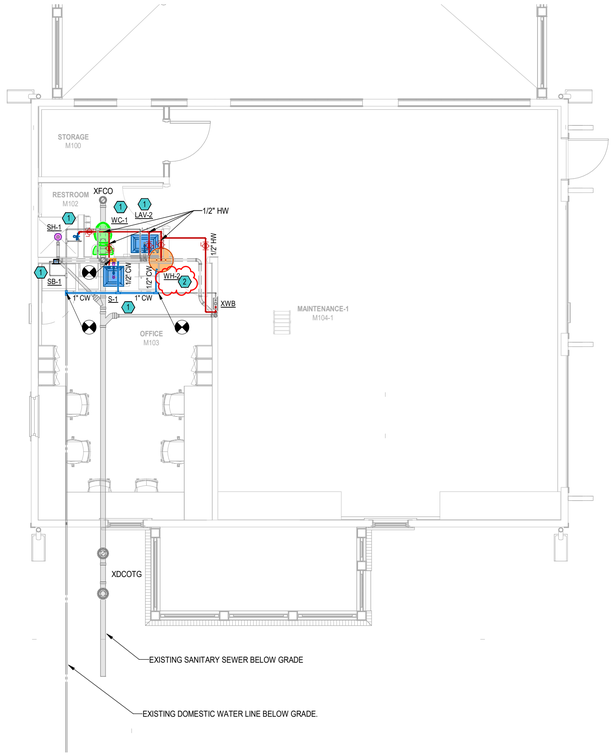
P501

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. PROVIDE ACCESS PANEL FOR NEW WATER HEATER LOCATED ABOVE CEILING. 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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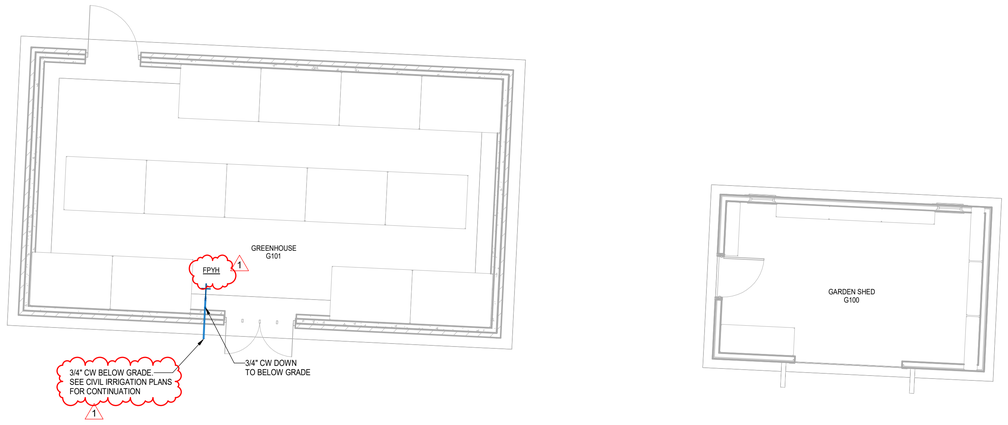
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SHEET TITLE

MAINTENANCE BUILDING PLAN - PLUMBING

SHEET NUMBER

P802



1 GREENHOUSE & GARDEN SHED - PLUMBING

3/16" = 1'-0"

N

10/2/2026

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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 19761
FALON A LEE
10/2/2026

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No. 3523
ARKANSAS

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SHEET TITLE

GREENHOUSE & GARDEN SHED PLAN - PLUMBING

SHEET NUMBER

P901