

## **ADDENDUM NO. 1**

**TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI**

**Replace Windows, Siding, Flooring, and Interior Lights  
Troop E Service Center  
Sikeston, Missouri  
PROJECT NO. R2321-01**

**Bid Date is: 1:30 PM, Thursday, June 26, 2025**

**Bidders are hereby informed that the Construction Plans and/or Specifications are modified as follows:**

### **BID FORM CHANGES:**

1. None

### **SPECIFICATION CHANGES:**

1. Section 013513.25 – Site Security and Health Requirements (MSHP), replace with the attached new Section 013513.25 – Site Security and Health Requirements (MSHP).
2. Section 074200 – Insulated Glazing Infill Panels, delete subparagraphs 1.04 B, 1.04 C, and the entirety of paragraph 3.04.
3. Section 081113 – Hollow Metal Door and Frames, delete subparagraph 2.03 B.3.
4. Section 085113 – Aluminum Windows, delete subparagraphs 1.05 D, 1.05 E, 1.05 F, and the entirety of paragraph 3.04.

### **DRAWING CHANGES:**

1. A-101 – Demolition Keynote #14, replace entire note with “Refer to mechanical drawings for removal of window air conditioner unit. Remove and dispose of surrounding plywood within wall opening.”
2. Refer to attached M-101 sheet.
3. Refer to attached E-101 sheet.
4. Refer to attached E-601 sheet.

### **GENERAL COMMENTS:**

1. The Pre-Bid Meeting was held June 12, 2025 followed by a walk-through of the site. The Pre-Bid Meeting sign-in sheet is attached.
2. Bidders needing additional site inspection should contact Brandon Keith at 417.370.0899 to schedule a time.
3. Please contact Paul Girouard, Contract Specialist, at 573-751-4797 or paul.girouard@oa.mo.gov, for questions about bidding procedures and MBE\WBE\SDVE goals and submittal requirements.
4. The deadline for technical questions is Noon on June 18, 2025.

5. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
6. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
7. Current Planholders list available online at: [R2321-01 Replace Windows, Siding, Flooring & Interior Lights - Troop E Service Center - MSHP :: State of Missouri Office of Administration](#) Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.
8. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled including a bid amount for the alternates. Failure to do so will result in rejection of the bid.**
9. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

**ATTACHMENTS:**

1. Pre-bid Sign in sheet
2. Section 013513.25 – Site Security and Health Requirements (MSHP)
3. M-101 – MECHANICAL PLAN – MAIN BUILDING.
4. E-101 – ELECTRICAL PLAN – MAIN BUILDING.
5. E-601 – ELECTRICAL SCHEDULES AND DETAILS.

June 18, 2025

**END ADDENDUM NO. 1**

**Pre-Bid Meeting Attendance Sheet  
Troop E Service Center Renovations  
Replace Windows, Siding, Flooring, and Interior Lights  
Sikeston, MO**

**Project No. R2321-01  
June 12, 2025**

<b>Name &amp; Title</b>	<b>Company Name &amp; Type of Contracting</b>	<b>MBE/WBE/ SDVE Status</b>	<b>Phone</b>	<b>E-Mail Address of Attendee</b>
L. Scott Samuels, PE PMU Project Manager	OA FMDC	-NA-	573.690.6760	scott.samuels@oa.mo.gov
Cara Luttrell PDU Designer	OA FMDC	-NA-		cara.luttrell@oa.mo.gov
Brandon Keith Construction Administrator	OA FMDC	-NA-	417.370.0899	brandon.keith@oa.mo.gov
Alex Haffley PDU Designer	OA FMDC	-NA-		alexander.haffley@oa.mo.gov
Paul Loftin Service Level Manager	MSHP	-NA-		paul.loftin@mshp.dps.mo.gov
Eddie Wilson	MSHP	-NA-		eddie.wilson@mshp.dps.mo.gov

**Pre-Bid Meeting Attendance Sheet  
Troop E Service Center Renovations  
Replace Windows, Siding, Flooring, and Interior Lights  
Sikeston, MO**

**Project No. R2321-01  
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<b>Name &amp; Title</b>	<b>Company Name Type of Contracting</b>	<b>MBE/WBE/ SDVE Status</b>	<b>Phone</b>	<b>E-Mail Address of Attendee</b>
Tommy Downs Superintendent	Brown & Root		225.964.0596	tommy.downs@brownandroot.com
Phillip Kiefner Estimator	Kiefner Brothers, Inc.		573.334.0707	<a href="mailto:liz@kiefnerbrothers.com">liz@kiefnerbrothers.com</a>
Pete Crowe Superintendent	Oke-Thomas-Ass		417.863.6262	<a href="mailto:john@oke-thomas.com">john@oke-thomas.com</a>
Jake Balsman	Zoellner Const. General		573.390.1017	<a href="mailto:jakeb@zcco.biz">jakeb@zcco.biz</a>
Joe Ward	Overhead Doors		573.243.3111	jward@overheaddoorsemo.com
Steve Cannon	MSHP	N/A		Steve.cannon@mshp.dps.mo.gov

**Pre-Bid Meeting Attendance Sheet  
Troop E Service Center Renovations  
Replace Windows, Siding, Flooring, and Interior Lights  
Sikeston, MO**

**Project No. R2321-01  
June 12, 2025**

<b>Name &amp; Title</b>	<b>Company Name Type of Contracting</b>	<b>MBE/WBE/ SDVE Status</b>	<b>Phone</b>	<b>E-Mail Address of Attendee</b>
Tracie Siebeneck (virtual) PDU Designer	OA FMDC	N/A	573.508.9480	tracie.siebeneck@oa.mo.gov
Amy Beaton Lieutenant	MSHP		314.737.1049	amy.beaton@mshp.dps.mo.gov
Brad Schaefer (virtual) PDU Designer	OA FMDC			brad.schaefer@oa.mo.gov

**SECTION 013513.25**  
**SITE SECURITY AND HEALTH REQUIREMENTS (MSHP)**

**PART 1 GENERAL**

**1.01 RELATED DOCUMENTS**

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

**1.02 SUBMITTALS**

- A. List of required submittals:
  - 1. Materials Safety Data Sheets for all hazardous materials to be brought onsite.
  - 2. Schedule of proposed shutdowns, if applicable.
  - 3. A list of the names of all employees who will submit fingerprints for a background check, and the signed privacy documents identified below for each employee.

**PART 2 PRODUCTS (NOT APPLICABLE)**

**PART 3 EXECUTION**

**3.01 ACCESS TO THE SITE**

- A. The Contractor shall arrange with Facility Representatives to establish procedures for the controlled entry of workers and materials into the work areas at the Facility.
- B. The Contractor shall establish regular working hours with Facility Representatives. The Contractor must report changes in working hours or overtime to Facility Representatives and obtain approval twenty-four (24) hours ahead of time. The Contractor shall report emergency overtime to Facility Representatives as soon as it is evident that overtime is needed. The Contractor must obtain approval from Facility Representatives for all work performed after dark.
- C. The Contractor shall provide the name and phone number of the Contractor's employee or agent who is in charge onsite; this individual must be able to be contacted in case of emergency. The Contractor must be able to furnish names and address of all employees upon request.
- D. All construction personnel shall visibly display issued identification cards.

**3.02 FIRE PROTECTION, SAFETY, AND HEALTH CONTROLS**

- A. The Contractor shall take all necessary precautions to guard against and eliminate possible fire hazards.
  - 1. Onsite burning is prohibited.
  - 2. The Contractor shall store all flammable or hazardous materials in proper containers located outside the buildings or offsite, if possible.
  - 3. The Contractor shall provide and maintain, in good order, during construction fire extinguishers as required by the National Fire Protection Association. In areas of flammable liquids, asphalt, or electrical hazards, 15-pound carbon dioxide or 20-pound dry chemical extinguishers shall be provided.
- B. The Contractor shall not obstruct streets or walks without permission from the Owner's Construction Representative and Facility Representatives.
- C. The Contractor's personnel shall not exceed the speed limit of 15 mph while at the Facility unless otherwise posted.
- D. The Contractor shall take all necessary, reasonable measures to reduce air and water pollution by any material or equipment used during construction. The Contractor shall keep volatile wastes in covered containers and shall not dispose of volatile wastes or oils in storm or sanitary drains.
- E. The Contractor shall keep the project site neat, orderly, and in a safe condition at all times. The Contractor shall immediately remove all hazardous waste and shall not allow rubbish to accumulate. The Contractor shall provide onsite containers for collection of rubbish and shall dispose of it at frequent intervals during the progress of the Work.

- F. Fire exits, alarm systems, and sprinkler systems shall remain fully operational at all times, unless written approval is received from the Owner's Construction Representative and the appropriate Facility Representative at least twenty-four (24) hours in advance. The Contractor shall submit a written time schedule for any proposed shutdowns.
- G. For all hazardous materials brought onsite, Material Safety Data Sheets shall be on site and readily available upon request at least a day before delivery.
- H. Alcoholic beverages, Marijuana (Cannabis) in any form, or illegal substances shall not be brought upon the Facility premises. The Contractor's workers shall not be under the influence of any intoxicating substances while on the Facility premises.

### **3.03 MSHP SECURITY CLEARANCE REQUIREMENTS**

- A. Contractor Background Screening Policy: As a normal business activity, the Missouri State Highway Patrol (MSHP) may contract with external companies to perform various duties for the Missouri State Highway Patrol. Any personnel working for a contractor, and who has access to criminal justice information is required to pass a background check prior to beginning work on the contract. A contractor's proposed candidate may also be required to undergo a MSHP approved drug screening. This background check requirement will be included as part of all PAQs or solicitations for bids. The contract/PAQ award is contingent upon the proposed candidate background checks being completed.
- B. This background check will include, but not be limited to, state of residency and national fingerprint-based record checks. If the proposed candidate lives outside the United States, the contractor will submit similar documentation from their respective country. Qualification to work on contract will be based upon the following criteria:
  - 1. A felony conviction or guilty plea will be an automatic disapproval of the candidate.
  - 2. Any conviction whether misdemeanor or felony, involving violence, crimes against children, and all sexual crimes regardless of timeframe will be an automatic disapproval of the candidate.
  - 3. Candidates will be disqualified if it is confirmed there are outstanding arrest warrants for the candidate.
  - 4. Any other misdemeanor convictions and guilty pleas may be considered for automatic disapproval. The State CSO (CJIS Security Officer) has final authority regarding if the nature or severity of the misdemeanor offense(s) does or does not warrant a disqualification.
- C. For misdemeanors, consideration will be given to the relationship between the information obtained in the background check and the responsibilities of the position. Time and severity of crime may also be considered as factors in a disqualification. Candidates may submit a written request for waiver through their contracting company if they have been disapproved and wish to contest the decision. The request will need to explain the circumstances of the crime and justification for a waiver.
- D. Contractors will be required to undergo a background check at a minimum once every five years. If there is a significant gap between contracts, candidates may be required to undergo a background check before working under a new contract.
- E. The CSO or their designee will maintain a list of contractors who have been approved to work at the MSHP.
- F. If a candidate goes through a background check with one contractor and then goes to work at a different contractor, the candidate will not be required to undergo a separate background check unless the timeframe exceeds five-year limit.
- G. The CSO for the MSHP has the right to approve or disapprove any candidate and has the right to revoke a candidate's approval at any time.
- H. The FBI CJIS Security Policy requires the MSHP to conduct background checks on all contractors needing MSHP access.
- I. Contractors working on-site and/or need escorted access are required to provide name, date of birth and social security number to enable the MSHP to run a name-based background check prior to their arrival on-site.

### **SITE SECURITY AND HEALTH REQUIREMENTS**

(MSHP)

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Siding, Flooring and Interior Lights

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1. The FBI CJIS Security Policy requires the Missouri State Highway Patrol to conduct fingerprint background checks on vendors and contractors who require, or may require, virtual and/or unescorted physical access to criminal justice information. Provided are background check instructions managed by the MSHP CJIS Security Audit and Compliance Unit. For further assistance please email [securityaudit@mshp.dps.mo.gov](mailto:securityaudit@mshp.dps.mo.gov) or call 573-586-6153 x2622. 1)Fingerprint Submission - register online at [www.machs.mo.gov](http://www.machs.mo.gov)
  - a. \*Fingerprint instructions attached separately\*Payment \$43.50 is due at registration\*Required fingerprint card information below\*
  - b. 4-digit Registration Number: 9120
  - c. Complete Name
  - d. Date of Birth
  - e. Social Security Number
  - f. ORI: MOMHP2300
  - g. OCA Designation: CONTRACTOR
  - h. Agency Name: MSHP-SACU
- J. Security Awareness Certification - take online at [www.cjisonline.com](http://www.cjisonline.com)
  1. Vendor accounts and Vendor Admin profiles are created by the MSHP SACU, [securityaudit@mshp.dps.mo.gov](mailto:securityaudit@mshp.dps.mo.gov)
  2. \*Vendor Account - Provide company name, mailing address, and phone number of vendor/contractor.
  3. \*Vendor Admin - Provide name, email address, and phone number you want designated as the Vendor Admin to manage user accounts.
- K. Security Addendum Certification - form is attached separately. Signature page may be downloaded to user's account under Certification Details Tab/Documents. If this is not an option, email signature form to [securityaudit@mshp.dps.mo.gov](mailto:securityaudit@mshp.dps.mo.gov).
- L. MSHP Required Security Forms - Forms attached separately. Please return signature pages to [securityaudit@mshp.dps.mo.gov](mailto:securityaudit@mshp.dps.mo.gov).
- M. The Missouri Central Vendor File: As a normal business activity, Missouri law enforcement agencies may contract with external companies to perform various duties for their agency. Any personnel working for a vendor or contractor, and who has access to criminal justice information, is required to pass a background check prior to beginning work on the contract per FBI CJIS Security Policy. To better streamline this process for vendors and contractors performing work at more than one Missouri law enforcement agency, the Missouri State Highway Patrol has implemented a program to manage these background check files centrally called the Missouri Central Vendor File. This allows contractors to perform fingerprint checks and complete security awareness training requirements one time rather than with each contracting agency. Unless otherwise notified, vendors and contractors who submit background checks using the MSHP Background Check Process will automatically be vetted and added to the MO Central Vendor File. Background results can be provided upon request sent to [securityaudit@mshp.dps.mo.gov](mailto:securityaudit@mshp.dps.mo.gov).

### **3.04 DISRUPTION OF UTILITIES**

- A. The Contractor shall give a minimum of seventy-two (72) hours written notice to the Construction Representative and the Facility Representative before disconnecting electric, gas, water, fire protection, or sewer service to any building.
- B. The Contractor shall give a minimum of seventy-two (72) hours written notice to the Construction Representative and Facility Representative before closing any access drives, and shall make temporary access available, if possible. The Contractor shall not obstruct streets, walks, or parking.

### **3.05 PROTECTION OF PERSONS AND PROPERTY**

- A. SAFETY PRECAUTIONS AND PROGRAMS

SITE SECURITY AND HEALTH REQUIREMENTS  
(MSHP)

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1. The Contractor shall at all times conduct operations under this Contract in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. The Contractor shall promptly take precautions which are necessary and adequate against conditions created during the progress of the Contractor's activities hereunder which involve a risk of bodily harm to persons or a risk of damage to property. The Contractor shall continuously inspect Work, materials, and equipment to discover and determine any such conditions and shall be solely responsible for discovery, determination, and correction of any such conditions. The Contractor shall comply with applicable safety laws, standards, codes, and regulations in the jurisdiction where the Work is being performed, specifically, but without limiting the generality of the foregoing, with rules regulations, and standards adopted pursuant to the Williams-Steiger Occupational Safety and Health Act of 1970 and applicable amendments.
2. All contractors, subcontractors and workers on this project are subject to the Construction Safety Training provisions 292.675 RSMo.
3. In the event the Contractor encounters on the site, material reasonably believed to be asbestos, polychlorinated biphenyl (PCB), lead, mercury, or other material known to be hazardous, which has not been rendered harmless, the Contractor shall immediately stop Work in the area affected and report the condition to the Owner's Representative and the Architect in writing. The Work in the affected area shall not thereafter be resumed except by written agreement of the Owner's Representative and Contractor if in fact the material is asbestos or polychlorinated biphenyl (PCB) and has not been rendered harmless. The Work in the affected area shall be resumed in the absence of asbestos or polychlorinated biphenyl (PCB), or when it has been rendered harmless by written agreement of the Owner's Representative and the Contractor. "Rendered Harmless" shall mean that levels of such materials are less than any applicable exposure standards, including but limited to OSHA regulations.

#### B. SAFETY OF PERSONS AND PROPERTY

1. The Contractor shall take reasonable precautions for safety of, and shall provide protection to prevent damage, injury, or loss to:
  - a. clients, staff, the public, construction personnel, and other persons who may be affected thereby;
  - b. the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody, or control of the Contractor or the Contractor's Subcontractors of any tier; and
  - c. other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.
2. The Contractor shall give notices and comply with applicable laws, standards, codes, ordinances, rules, regulations, and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury, or loss.
3. The Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, safeguards for safety and protection, including, but not limited to, posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent sites and utilities.
4. When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise the highest degree of care and carry on such activities under supervision of properly qualified personnel.

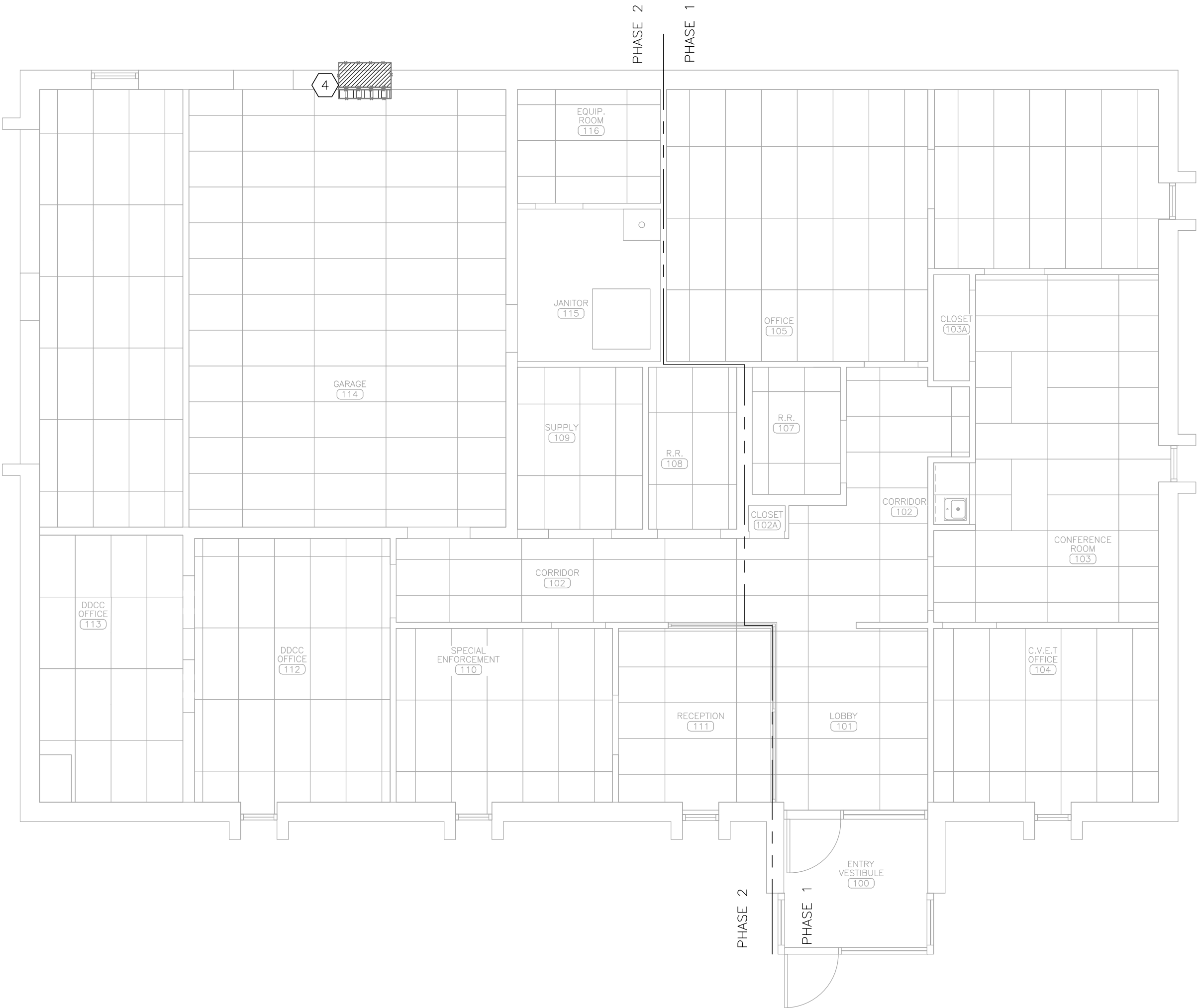
5. The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in this Section caused in whole or in part by the Contractor, a Subcontractor of any tier, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable, and for which the Contractor is responsible under this Section, except damage or loss attributable solely to acts or omissions of Owner or the Architect or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's other obligations stated elsewhere in the Contract.
6. The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents, and the maintaining, enforcing and supervising of safety precautions and programs. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner's Representative and Architect. The Contractor shall hold regularly scheduled safety meetings to instruct Contractor personnel on safety practices, accident avoidance and prevention, and the Project Safety Program. The Contractor shall furnish safety equipment and enforce the use of such equipment by its employees and its subcontractors of any tier.
7. The Contractor shall not load or permit any part of the construction or site to be loaded so as to endanger its safety.
8. The Contractor shall promptly report in writing to the Owner all accidents arising out of or in connection with the Work which cause death, lost time injury, personal injury, or property damage, giving full details and statements of any witnesses. In addition, if death, serious personal injuries, or serious property damages are caused, the accident shall be reported immediately.
9. The Contractor shall promptly notify in writing to the Owner of any claims for injury or damage to personal property related to the work, either by or against the Contractor.
10. The Owner assumes no responsibility or liability for the physical condition or safety of the Work site, or any improvements located on the Work site. The Contractor shall be solely responsible for providing a safe place for the performance of the Work. The Owner shall not be required to make any adjustment in either the Contract Sum or Contract Time concerning any failure by the Contractor or any Subcontractor to comply with the requirements of this Paragraph.
11. In no event shall the Owner have control over, charge of, or any responsibility for construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the Work, notwithstanding any of the rights and authority granted the Owner in the Contract Documents.
12. The Contractor shall maintain at his own cost and expense, adequate, safe and sufficient walkways, platforms, scaffolds, ladders, hoists and all necessary, proper, and adequate equipment, apparatus, and appliances useful in carrying on the Work and which are necessary to make the place of Work safe and free from avoidable danger for clients, staff, the public and construction personnel, and as may be required by safety provisions of applicable laws, ordinances, rules regulations and building and construction codes.

#### **END OF SECTION**

DEMOLITION NOTES – DETAIL 1

- 1
- DEMOLITION DRAWINGS AND PLANS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING PRIOR TO BIDDING AND/OR CONSTRUCTION.
- 2
- COVER ALL OPENINGS INTO THE BUILDING FROM THE WORK AREA. ENSURE DEBRIS IS REMOVED FROM THE CONSTRUCTION AND DEMOLITION AREA AND AIR BORN DEBRIS IS NOT ALLOWED TO TRAVEL TO THE REMAINDER OF THE BUILDING. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLISHED MATERIAL.
- 3
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY SURFACE IN THE AREA OF CONSTRUCTION THAT IS A RESULT OF CONSTRUCTION ACTIVITY. SURFACE SHALL BE REPAIRED AND FINISHED TO MATCH EXISTING CONDITIONS.
- 4
- REMOVE THROUGH THE WALL AIR CONDITIONING UNIT AND RETURN TO OWNER.

MINI SPLIT SCHEDULE									
MARK	MANUFACTURER	MODEL	DESCRIPTION	AIRFLOW (CFM) EFFICIENCY	CAPACITY (MBH)	ELECTRICAL REQUIREMENTS	REFRIGERANT LINE SIZE	SOUND PRESSURE LEVEL (DbA) WEIGHT (LBS)	NOTES
IU-1	DAIKIN	FTX36WVJU9	INDOOR UNIT	915-512 15.9 SEER2 9.1 EER2	COOLING TOTAL: 33.2 SENSIBLE: 22.16	POWER PROVIDED BY OUTDOOR UNIT FIELD-SUPPLIED WIRING	5/8" GAS LINE 1/4" LIQUID LINE	54 38	1,2
OU-1	DAIKIN	RX36WMVJU9	OUTDOOR UNIT	7.5 HSPF2 2.7 COP	HEATING 35.2 @43°F 19.12 @14°F 15.74 @5°F	208/60/1 18.6 MCA; 20 MOP	5/8" GAS LINE 1/4" LIQUID LINE	59 133	1,3,4,5
NOTES									
1 DESIGN TEMPERATURES: SUMMER: 95 Db°F/75 Wb°F; WINTER: 6 Db°F									
2 PROVIDE WIRED REMOTE CONTROLLER									
3 PROVIDE DRAIN PAN HEATER									
4 PROVIDE LOW AMBIENT WIND BAFFLE/AIR ADJUSTMENT GRILLE									
5 PROVIDE RECTOSEAL WBB300 WALL BRACKET									

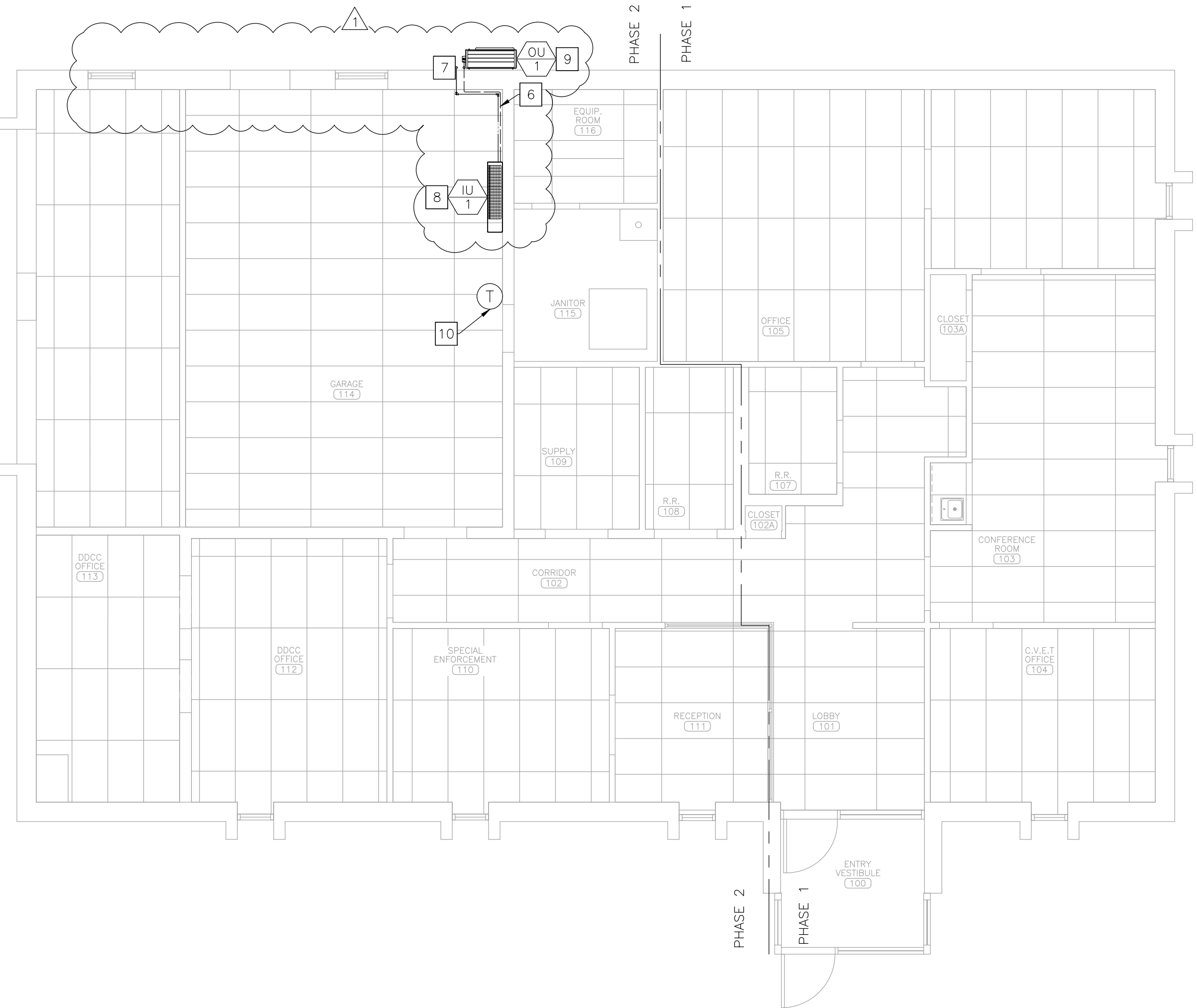


1 MECHANICAL DEMOLITION PLAN – MAIN BUILDING  
SCALE: 3/16" = 1'-0"

RENOVATION NOTES – DETAIL 2

- 1
- FABRICATION, INSTALLATION, AND TESTING OF ALL HVAC SYSTEMS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE INTERNATIONAL MECHANICAL CODE (IMC) AND ALL MANUFACTURER INSTALLATION GUIDELINES.
- 2
- ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL LINE VOLTAGE WIRING AND CONDUIT. MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING FOR MECHANICAL SYSTEMS. COORDINATE WITH ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL CONDUIT FOR LOW VOLTAGE WIRING.
- 3
- DELEGATED DESIGN: FACILITY IS LOCATED WITHIN A SEISMIC REGION. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING A COMPLETE, FUNCTIONAL, AND CODE COMPLIANT SYSTEM.
- 4
- PROVIDE A TRAPPED CONDENSATE DRAIN PIPE FOR ALL EVAPORATORS. CONDENSATE PIPE SHALL BE SCHEDULE 40 PVC. SLOPE IN THE DIRECTION OF DISCHARGE A MINIMUM OF 1/8" PER FOOT. INSTALL WEATHER RESISTANT METAL LINESET COVER TO EXTERIOR CONDENSATE PIPE. INSULATE ALL CONDENSATE PIPE WITH 1/2 INCH THICK FLEXIBLE ELASTOMERIC CELLULAR INSULATION THAT COMPLIES WITH ASTM C534 GRADE 1.
- 5
- INSULATE ALL REFRIGERANT PIPES WITH 3/4 INCH THICK FLEXIBLE ELASTOMERIC CELLULAR INSULATION THAT COMPLIES WITH ASTM C534 GRADE 1. THE REFRIGERANT PIPES SHALL BE SUPPORTED WITH A MAXIMUM SPAN BETWEEN HANGERS OF 5 FEET. ALL HORIZONTAL VAPOR LINES SHALL BE LEVEL. USE LONG RADIUS ELBOWS WHEREVER POSSIBLE. WEATHER SEAL OUTSIDE WALL REFRIGERANT PIPE PENETRATION. INSTALL WEATHER RESISTANT METAL LINESET COVER ON ANY EXTERIOR REFRIGERANT PIPE.
- 6
- PROVIDE AND INSTALL REFRIGERANT LINE SET PER MANUFACTURER RECOMMENDED PIPE SIZE AND MATERIAL. PENETRATE WALL AND ROUTE TO OUTDOOR UNIT DOWN EXTERIOR WALL.
- 7
- ROUTE CONDENSATE DRAIN PIPE INSIDE BUILDING TO EXTERIOR WALL. PENETRATE EXTERIOR WALL AND ROUTE DOWN. PROVIDE SPLASH BLOCK TO DIRECT CONDENSATE AWAY FROM BUILDING.
- 8
- MOUNT INDOOR UNIT (IU-1) ABOVE EXISTING CABINETS. INSTALL TO PROVIDE MANUFACTURER RECOMMENDED CLEARANCE AROUND UNIT AND MAINTAIN REQUIRED SLOPE OF CONDENSATE DRAIN.
- 9
- MOUNT OUTDOOR UNIT (OU-1) AT 4 FEET ABOVE FINISH GRADE. COORDINATE FINAL LOCATION OF OU-1 WITH OWNER.
- 10
- INSTALL MANUFACTURER PROVIDED THERMOSTAT. COORDINATE WITH ELECTRICAL CONTRACTOR TO ROUTE SURFACE MOUNT CONDUIT TO ABOVE CEILING.

HVAC LEGEND	
	THERMOSTAT
	DEVICE SCHEDULE TAG
	HVAC EQUIPMENT – NEW
	REFRIGERANT PIPE – NEW
	CONDENSATE DRAIN PIPE – NEW
	EXISTING MATERIALS TO BE REMOVED



2 MECHANICAL RENOVATION PLAN – MAIN BUILDING  
SCALE: 3/16" = 1'-0"

STATE OF MISSOURI  
MIKE KEHOE,  
GOVERNOR



Tracie L. Siebeneck - Engineer  
MO# PE-2013019114

BID  
DOCUMENTS

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

DEPARTMENT OF  
PUBLIC SAFETY  
STATE HIGHWAY PATROL

REPLACE WINDOWS,  
SIDING, FLOORING, &  
INTERIOR LIGHTS

TROOP E  
SERVICE CENTER  
105 KEYSTONE DRIVE  
SIKESTON, MO 63801

PROJECT # R2321-01  
SITE # 6014  
ASSET # 8136014001

REVISION:ADDENDUM NO.1  
DATE:06/18/2025  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 2/7/2025

CAD DWG FILE:ME\_R2321-01  
DRAWN BY: AH/RG/MP  
CHECKED BY: TS  
DESIGNED BY: AH

SHEET TITLE:

MECHANICAL  
PLAN - MAIN  
BUILDING

SHEET NUMBER:

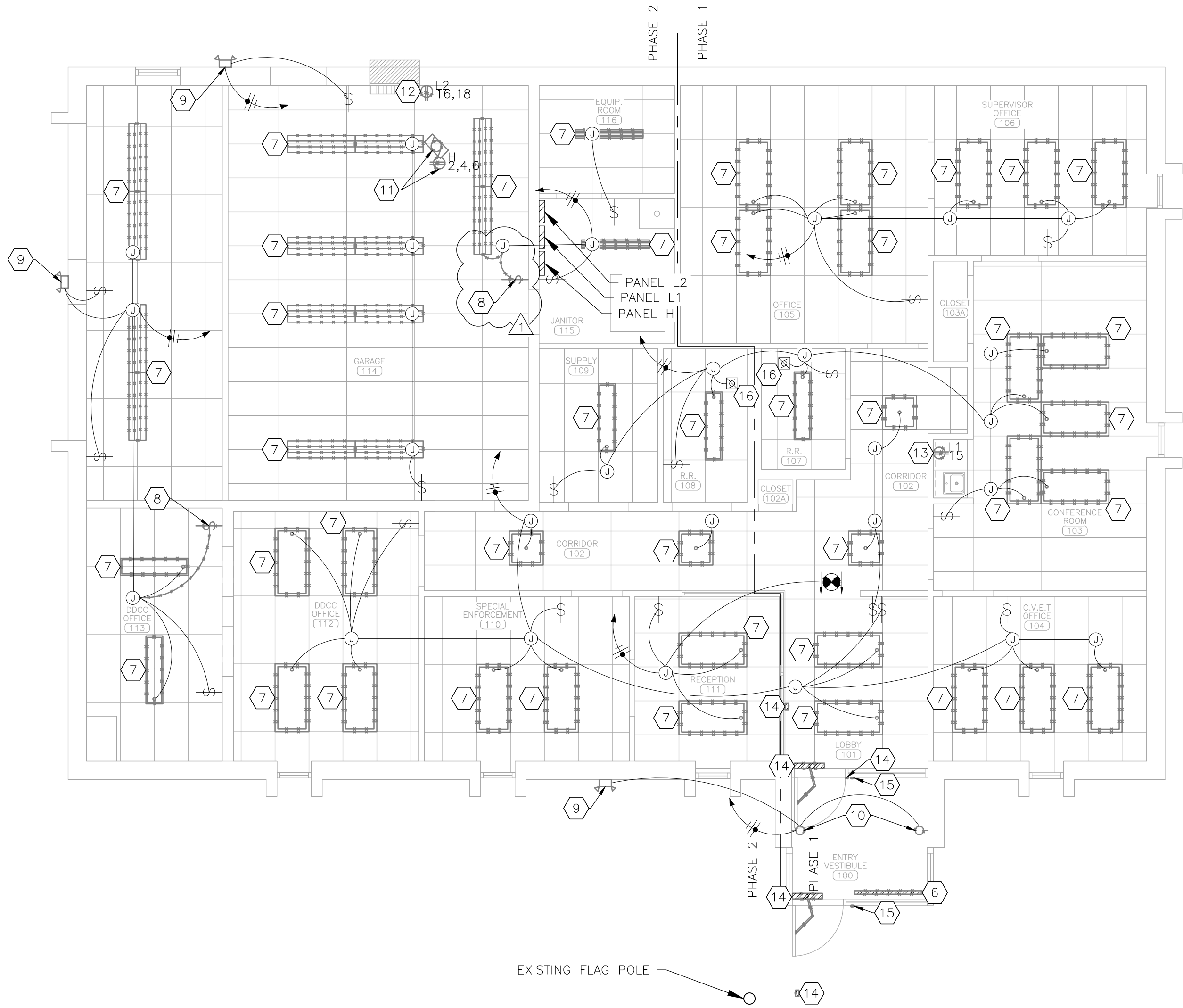
M-101

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2/7/2025



DEMOLITION NOTES – DETAIL 1

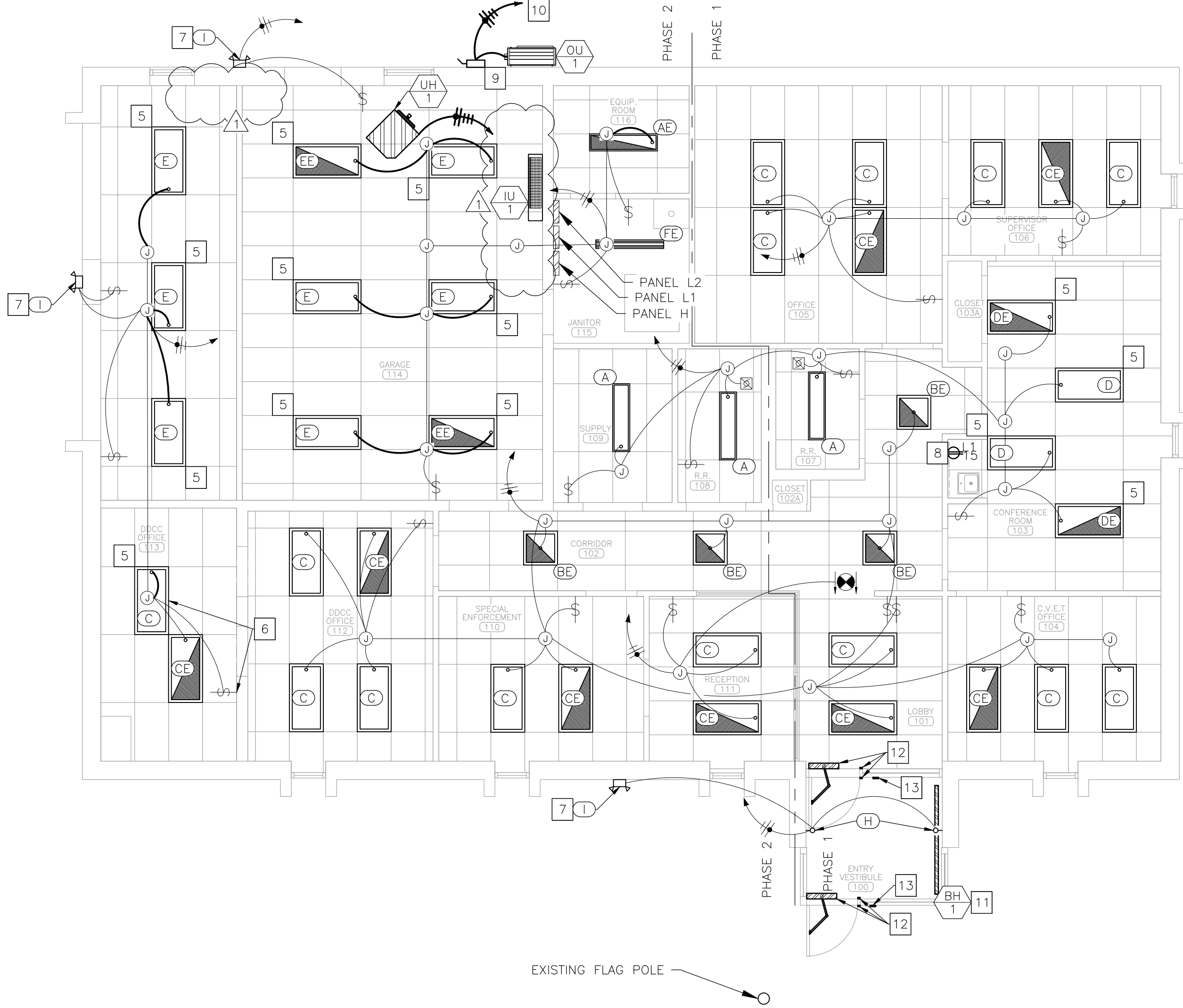
- 1
- DEMOLITION DRAWINGS AND PLANS ARE FROM FIELD TAKE-OFF AND ORIGINAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING PRIOR TO BIDDING AND/OR CONSTRUCTION. CIRCUITING IS PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL FIELD VERIFY.
- 2
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY SURFACE IN THE AREA OF CONSTRUCTION THAT IS A RESULT OF CONSTRUCTION ACTIVITY. SURFACE SHALL BE REPAIRED AND FINISHED TO MATCH EXISTING CONDITIONS.
- 3
- CONTRACTOR MAY REUSE EXISTING CONDUIT AND CONDUCTORS IF THEY ARE INSTALLED PER THE LATEST EDITION OF THE NEC. ANY CONDUIT LEFT UNUSED SHALL BE REMOVED AND DISPOSED OF.
- 4
- COORDINATE WITH GENERAL CONTRACTOR TO MODIFY CEILING AS REQUIRED TO COMPLETE THE WORK.
- 5
- SITE CONTAINS ITEMS IDENTIFIED AS HAZARDOUS MATERIALS/UNIVERSAL WASTE (HM/UW). MATERIALS INCLUDE FLUORESCENT BULBS AND POSSIBLE PCB-CONTAINING BALLASTS. REMOVE AND DISPOSE OF HW/UW PER THE MISSOURI HAZARDOUS WASTE MANAGEMENT REGULATIONS LOCATED IN TITLE 10, DIVISION 25, CHAPTER 16 OF THE CODE OF STATE REGULATIONS. UTILIZE TRAINED PERSONNEL TO HANDLE AND DISPOSE OF MATERIAL. ARRANGE FOR PICK-UP, MANIFESTING, AND SHIPPING TO AN APPROVED CHEMICAL WASTE PROCESSING SITE. PCB CONTAINING BALLASTS SHALL BE DISPOSED OF USING HIGH TEMPERATURE INCINERATION.
- 6
- DEMOLISH BASEBOARD HEATER. CONDUIT AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION.
- 7
- DEMOLISH LIGHT FIXTURE AND ASSOCIATED SUPPORTS. CONDUIT AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION.
- 8
- DEMOLISH WALL SWITCH, ASSOCIATED SURFACE MOUNTED RACEWAY, AND CONDUCTORS.
- 9
- DEMOLISH EXTERIOR LIGHT FIXTURE, CONDUIT, AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION. DEMOLITION AND INSTALLATION OF FIXTURE SHALL BE DONE WITHIN ONE WORKING DAY.
- 10
- DEMOLISH SCONCE LIGHT FIXTURE. PRIOR TO DEMOLITION, CONTRACTOR SHALL VERIFY HOW SCONCE LIGHT FIXTURES ARE CIRCUITED. IF SCONCE LIGHTS ARE CIRCUITED AS SHOWN, CONDUIT AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION. INFORM ENGINEER IF CIRCUITING IS DIFFERENT THAN AS SHOWN.
- 11
- DEMOLISH UNIT HEATER, WALL MOUNTED THERMOSTAT AND CONDUIT, ASSOCIATED SUPPORTS, AND CEILING MOUNTED RECEPTACLE. CONDUIT AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION.
- 12
- DEMOLISH RECEPTACLE, CONDUIT, AND CONDUCTORS BACK TO BREAKER. BREAKER TO REMAIN FOR USE IN NEW CONSTRUCTION.
- 13
- DEMOLISH RECEPTACLE, WALL BOX, CONDUIT, AND CONDUCTORS TO REMAIN FOR USE IN NEW CONSTRUCTION.
- 14
- DEMOLISH ADA DOOR OPERATOR AND ASSOCIATED PUSH-PLATES. DEMOLISH CONDUIT AND CONDUCTORS AS NEEDED TO COMPLETE THE WORK. PROVIDE BLANK COVER PLATE FOR INTERIOR PUSH-PLATE. COORDINATE WITH GENERAL CONTRACTOR TO DEMOLISH PEDESTAL CURRENTLY HOUSING EXTERIOR PUSH-PLATE.
- 15
- SECURITY CONTRACTOR TO REMOVE AND RETAIN BADGE READER, DOOR OPERATOR CONTROLLER, AND ALL ASSOCIATED CONTROLS WIRING FOR USE IN NEW CONSTRUCTION. BADGE READER SHOWN OFFSET FOR CLARITY.
- 16
- EXHAUST FAN TO REMAIN FOR USE IN NEW CONSTRUCTION.



1 ELECTRICAL DEMOLITION PLAN – MAIN BUILDING  
SCALE: 3/16" = 1'-0"

RENOVATION NOTES – DETAIL 2

- 1
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (NEC) AND ALL MANUFACTURER INSTALLATION GUIDELINES.
- 2
- CONTRACTOR SHALL EVALUATE ALL AFFECTED CONDUIT AND CONDUCTORS TO ENSURE COMPLIANCE WITH THE LATEST VERSION OF THE NEC. ANY MATERIALS FOUND TO NOT MEET THE CRITERIA LISTED IN THE NEC SHALL BE REMOVED AND NEW MATERIALS SHALL BE PROVIDED.
- 3
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS REQUIRED TO COMPLETE THE WORK. ALL EXPOSED LINE VOLTAGE WIRING SHALL BE PULLED IN PROPERLY SIZED CONDUIT WITH APPROVED FITTINGS.
- 4
- DELEGATED DESIGN: FACILITY IS LOCATED WITHIN A SEISMIC REGION. CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND PROVIDING A COMPLETE, FUNCTIONAL, AND CODE COMPLIANT SEISMIC RESTRAINT SYSTEM.
- 5
- EXTEND CONDUIT AND CONDUCTORS TO NEW LIGHT FIXTURE AS NEEDED TO COMPLETE THE WORK.
- 6
- PROVIDE AND INSTALL CONDUIT AND CONDUCTORS TO CIRCUIT NEW LIGHT FIXTURE WITH EXISTING SWITCH.
- 7
- LIGHT FIXTURE TO BE CONTROLLED BY FACTORY PROVIDED LIGHT SENSOR. REFER TO LIGHTING SCHEDULE ON SHEET E-102.
- 8
- PROVIDE AND INSTALL NEW GFI RECEPTACLE. REUSE EXISTING WALL BOX, CONDUIT, AND CONDUCTORS.
- 9
- PROVIDE AND INSTALL 30 AMP, 2 POLE NON FUSED NEMA 3R DISCONNECT. POWER FOR INDOOR UNIT (IU-1) PROVIDED BY OUTDOOR UNIT (OU-1).
- 10
- ROUTE POWER TO EXISTING 20 AMP, 2 POLE BREAKER PREVIOUSLY SERVING RECEPTACLE REMOVED PER DEMOLITION KEY NOTE 12.
- 11
- PROVIDE AND INSTALL BASEBOARD HEATER (BH-1). VERIFY EXISTING POWER PRIOR TO ORDERING. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO COMPLETE THE WORK.
- 12
- PROVIDE AND INSTALL STANLEY ACCESS TECHNOLOGIES MAGIC-ACCESS OR EQUAL DOOR OPERATOR WITH FRAME MOUNTED WIRED PUSH-PLATES. EXTEND CONDUIT AND CONDUCTORS AS NEEDED TO COMPLETE THE WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. REFER TO ARCHITECTURAL SHEETS FOR MOUNTING REQUIREMENTS.
- 13
- COORDINATE WITH SECURITY CONTRACTOR TO INSTALL RETAINED BADGE READER, CONTROLLER, AND ALL ASSOCIATED CONTROLS WIRING. PROVIDE AND INSTALL DEVICE BOX WITHIN ALUMINUM FRAME. DEVICE SHOWN OFFSET FOR CLARITY; REFER TO ARCHITECTURAL SHEETS FOR MOUNTING REQUIREMENTS.
- 14
- CONTRACTOR SHALL PROVIDE NEW, TYPE WRITTEN, PANEL SCHEDULES FOR ANY ELECTRICAL PANEL IMPACTED BY THE WORK.



2 ELECTRICAL RENOVATION PLAN – MAIN BUILDING  
SCALE: 3/16" = 1'-0"

ELECTRICAL LEGEND	
	DIRECTIONAL EXIT SIGN
	DEVICE SCHEDULE TAG
	LIGHT FIXTURE MARK
	JUNCTION BOX
	HOME RUN-SHORT STROKES INDICATE PHASE OR SWITCHED WIRES, LONG STROKE INDICATE NEUTRAL, LONG WITH DOT INDICATE GROUND
	NON FUSED DISCONNECT SWITCH
	WALL SWITCH
	WALL MOUNTED SECURITY FLOODLIGHT
	DUPLEX RECEPTACLE -PANEL DESIGNATION -BREAKER(S)
	LIGHT FIXTURE – NEW
	WIRE/CONDUIT – EXISTING
	WIRE/CONDUIT – NEW
	EXISTING MATERIALS TO BE REMOVED

STATE OF MISSOURI  
MIKE KEHOE,  
GOVERNOR



Tracie L. Siebeneck - Engineer  
MO# PE-2013019114

BID  
DOCUMENTS

OFFICE OF ADMINISTRATION  
DIVISION OF FACILITIES  
MANAGEMENT,  
DESIGN AND CONSTRUCTION

DEPARTMENT OF  
PUBLIC SAFETY  
STATE HIGHWAY PATROL

REPLACE WINDOWS,  
SIDING, FLOORING, &  
INTERIOR LIGHTS

TROOP E  
SERVICE CENTER  
105 KEYSTONE DRIVE  
SIKESTON, MO 63801

PROJECT # R2321-01  
SITE # 6014  
ASSET # 8136014001

REVISION: ADDENDUM NO. 1  
DATE: 06/18/2025  
REVISION:  
DATE:  
REVISION:  
DATE:  
ISSUE DATE: 2/7/2025

CAD DWG FILE: ME\_R2321-01  
DRAWN BY: AH/RG/MP  
CHECKED BY: TS  
DESIGNED BY: AH

SHEET TITLE:

ELECTRICAL  
PLAN - MAIN  
BUILDING

SHEET NUMBER:

E-101

14 OF 16 SHEETS  
2/7/2025





Tracie L. Siebeneck - Engineer  
MO# PE-2013019114

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CAD DWG FILE: ME\_R2321-01  
DRAWN BY: AH/RG/MP  
CHECKED BY: TS  
DESIGNED BY: AH

SHEET TITLE:

ELECTRICAL  
SCHEDULES  
AND DETAILS

SHEET NUMBER:

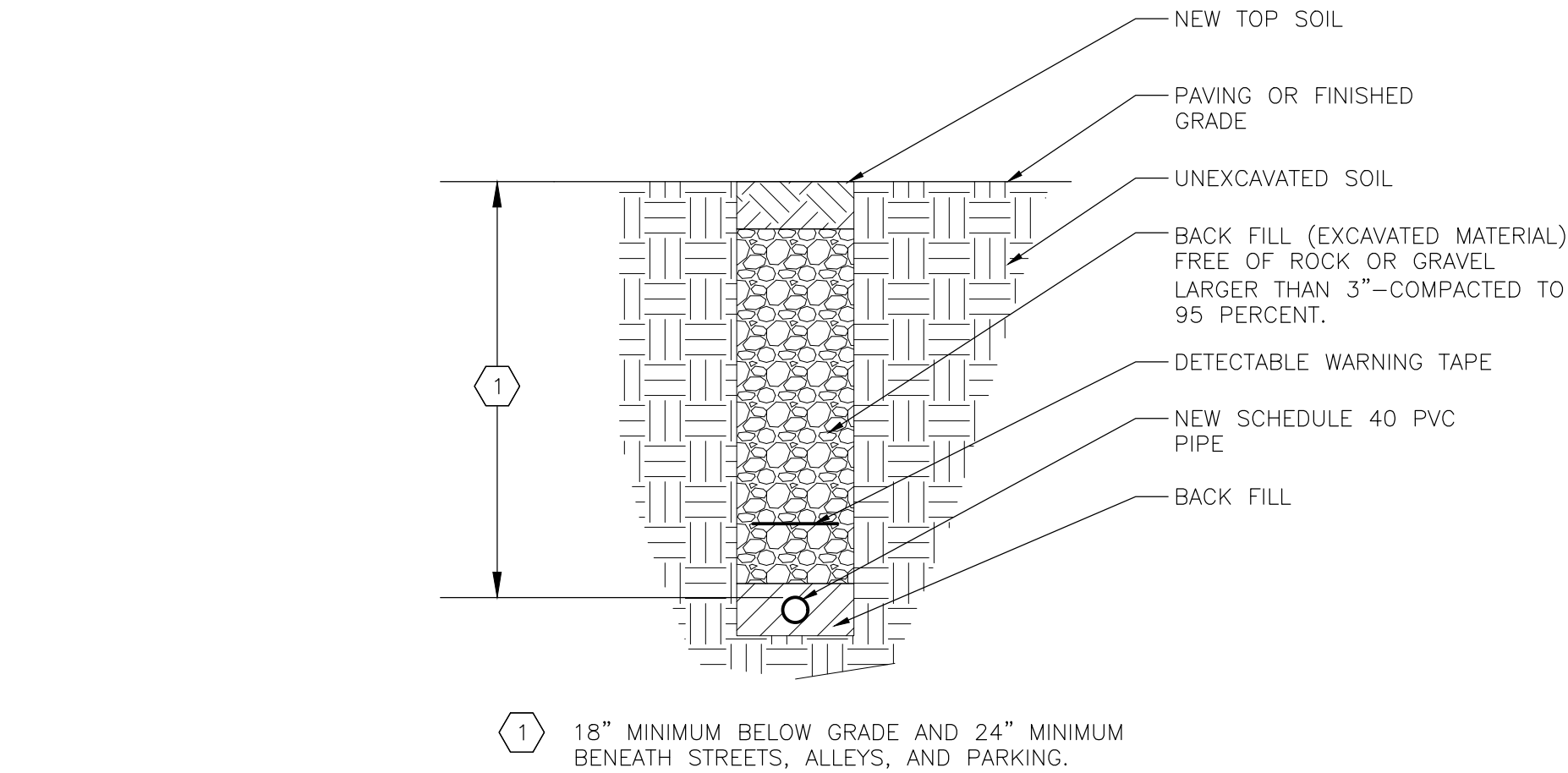
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16 OF 16 SHEETS  
2/7/2025

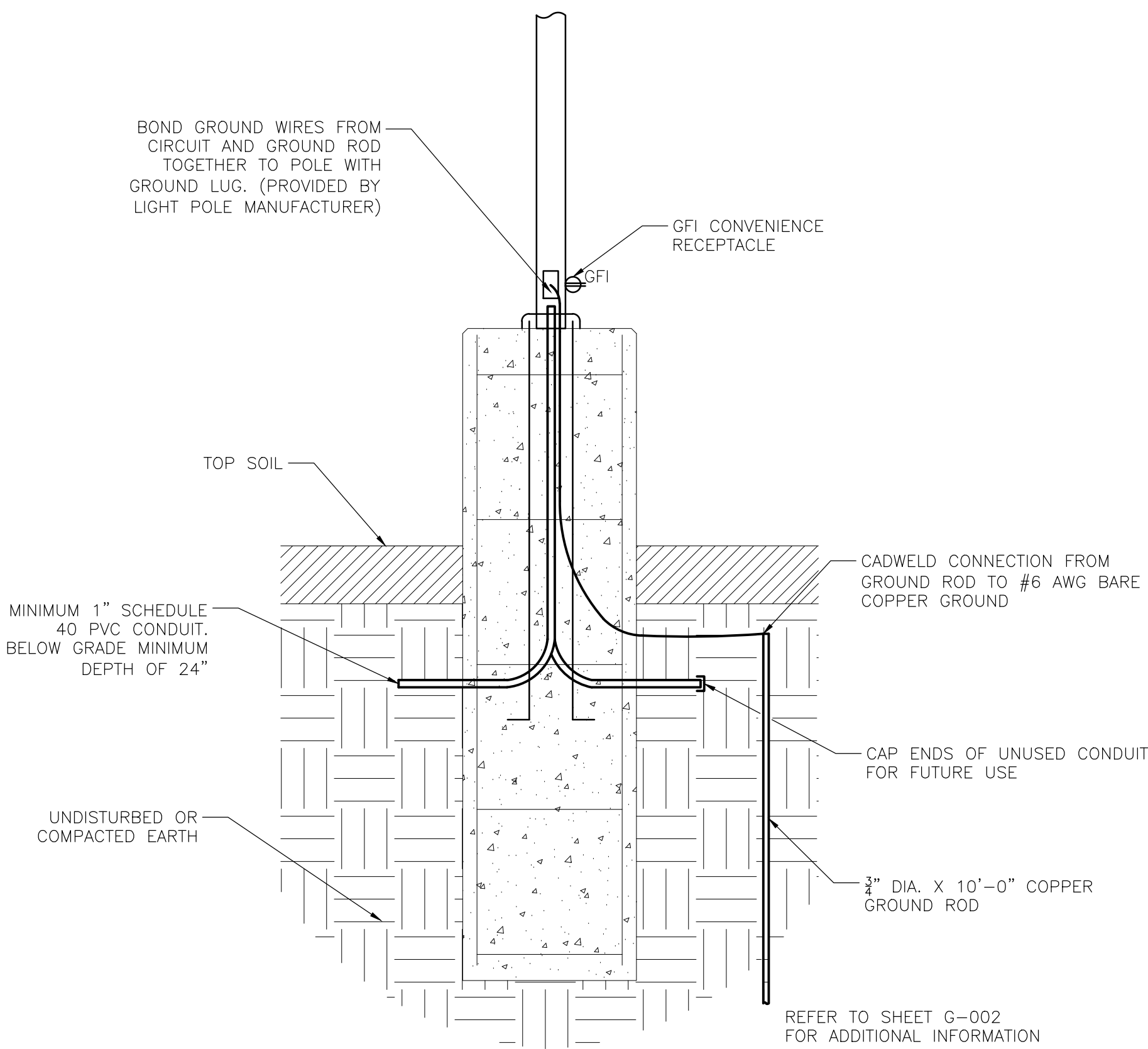
UNIT HEATER SCHEDULE							
MARK	MANUFACTURER	MODEL	DESCRIPTION	AIRFLOW (CFM) CAPACITY (KW)	VOLTAGE/PHASE MOP	SPECIFICATION	NOTES
UH-1	REZNOR	EUH-15	ELECTRIC UNIT HEATER	1215 15	208/3 40	ENCLOSED STAINLESS STEEL SHEATHED AND FINNED HEATING ELEMENTS; TWO-POINT SUSPENSION; VIBRATION AND NOISE ISOLATED FAN MOTOR; INTERNAL OVERLOAD PROTECTION	1,2
NOTES							
1	PROVIDE IT13 UNIT MOUNTED THERMOSTAT AND LOCKABLE NON-FUSED DISCONNECT SWITCH						
2	FIELD VERIFY SUPPORT REQUIREMENTS, PROVIDE NECESSARY ACCESSORIES FOR INSTALLATION BELOW CEILING GRID						

BASEBOARD HEATER							
MARK	MANUFACTURER	MODEL	CAPACITY (KW) LENGTH (IN)	INLET GRILLE OUTLET GRILLE	VOLTAGE/PHASE AMPERAGE	SPECIFICATION	NOTES
BH-1	HEATREX	904 SERIES	1.75 76.9	LOWER FRONT UPPER FRONT	208/1 8.4	HOUSING: 18 GAUGE STAINLESS STEEL W/ 14 GAUGE ALUMINUM FRONT COVER; HEATING ELEMENT: STAINLESS STEEL ELEMENT WITH ALUMINUM FINS ON HIGH TEMPERATURE NYLON BUSHINGS; MOUNTING: FLOOR MOUNT ON PEDASTALS	1,2
NOTES							
1	PROVIDE TAMPERPROOF UNIT MOUNT THERMOSTAT AND FACTORY MOUNTED DISCONNECT SWITCH						
2	PROVIDE PEDASTAL MOUNTING OPTION						

LIGHTING FIXTURE SCHEDULE							
MARK	MANUFACTURER	MODEL	DESCRIPTION	SIZE	LUMENS TYPE/CRI	WATTS VOLTAGE	NOTES
A	COLUMBIA LIGHTING	CBT14-LSCS	BACK-LIT LED TROFFER	1'x4'	4404 4000°K, LED/80	40.82 120	1,2
AE	COLUMBIA LIGHTING	CBT14-LSCS	BACK-LIT LED TROFFER	1'x4'	4404 4000°K, LED/80	40.82 120	1,2,3
BE	COLUMBIA LIGHTING	CBT22-LSCS	BACK-LIT LED TROFFER	2'x2'	4550 4000°K, LED/80	40.4 120	1,2,3
C	COLUMBIA LIGHTING	CBT24-LSCS	BACK-LIT LED TROFFER	2'x4'	3450 4000°K, LED/80	25 120	1,2
CE	COLUMBIA LIGHTING	CBT24-LSCS	BACK-LIT LED TROFFER	2'x4'	3450 4000°K, LED/80	25 120	1,2,3
D	COLUMBIA LIGHTING	CBT24-LSCS	BACK-LIT LED TROFFER	2'x4'	4890 4000°K, LED/80	39.22 120	1,2
DE	COLUMBIA LIGHTING	CBT24-LSCS	BACK-LIT LED TROFFER	2'x4'	4890 4000°K, LED/80	39.22 120	1,2,3
E	COLUMBIA LIGHTING	CBT24-LSCS	BACK-LIT LED TROFFER	2'x4'	5964 4000°K, LED/80	49.79 120	1,2
EE	COLUMBIA LIGHTING	CBT24-LSCS	BACK-LIT LED TROFFER	2'x4'	5964 4000°K, LED/80	49.79 120	1,2,3
FE	COLUMBIA LIGHTING	MPS4-40VL-CW-EU	MULTIPURPOSE SURFACE MOUNT LINEAR LIGHT	4'	6854 4000°K, LED/80	54.1 120	1,3
G							
H	KUZCO	EW44206-BK	UP-DOWN WALL SCNCE	3 1/4"Ø	903 3000°K, LED/90	10.7 120	1,5
I	EXO OUTDOOR LIGHTING	ML-2L3K-1	LED TWIN SECURITY FLOODLIGHT	N/A	2104 4000°K, LED/80	26.6 120	1,6,7
J	EXO OUTDOOR LIGHTING	SGF1-60-LSCS- UNVC-PC	GROUND MOUNTED SLING FLOODLIGHT	6"x9"	8214 4000°K, LED/70	58.2 120	1,6,8
K	EXO OUTDOOR LIGHTING	ASL1-160L-70-4K7-2 MAF-BC	AREA/SITE/ROAD LIGHTER	18.9"x11.7"	8853 4000°K, LED/70	68.4 120	1,6,9,10
L	EXO OUTDOOR LIGHTING	ASL1-160L-70-4K7- 4W-MAF	AREA/SITE/ROAD LIGHTER	18.9"x11.7"	9335 4000°K, LED/70	68.4 120	1,6,9,10
M	BEACON	AL-X-60L-136-4K7- 2x2-UNV-PCU-FV- SF3-DBT	GROUND MOUNTED SPOT FLOODLIGHT	16-3/8"x11-5/8"	16400 4000°K, LED/70	136 120	1,11
NOTES							
1	PROVIDE A LIGHT LOSS FACTOR OF AT LEAST 0.9						
2	PROVIDE SWITCHABLE LUMENS AND CCT						
3	PROVIDE ELL14 10W EMERGENCY BATTERY PACK						
4	PROVIDE CM24SCF3-KIT 24" ADJUSTABLE CABLE MOUNTING KIT						
5	PROVIDE BLACK FINISH						
6	COLOR TO BE SELECTED BY ARCHITECT						
7	PROVIDE ADJUSTABLE LIGHT AND OCCUPANCY SENSOR						
8	FIELD VERIFY MOUNTING HARDWARE REQUIREMENTS PRIOR TO ORDERING, PROVIDE INTEGRAL PHOTOCONTROL						
9	PROVIDE BACKLIGHT CONTROL						
10	PROVIDE INDEPENDENT 7PR-TL PHOTOCONTROL RECEPTACLE OR EQUAL						
11	PROVIDE FULL VISOR, SLIP FIT MOUNTING, AND INDEPENDENT PCU BUTTON TYPE PHOTOCONTROL OR EQUAL						



1 PARKING LOT LIGHTING TRENCH DETAIL  
NO SCALE



1 POLE BASE DETAIL  
NO SCALE