

# **PERFORMANCE WORK STATEMENT**

Current as of July 19, 2023

## **CLIN 002 – Install MXG Paint Booth**

### **1. CONTRACTOR RESPONSIBILITIES:**

- 1.1. The Contractor is responsible for providing all management, supervision, financial resources, plant, labor, equipment, and materials necessary to perform the work detailed for this project and provide a complete and useable system to the Government. All work and deliverables shall be in accordance with (IAW) this Performance Work Statement and all associated documents & attachments, Industry Standards, Governing Codes, and Federal Regulations (FAR, DFARS, & AFARS).
- 1.2. The Contractor shall submit to the Contracting for Approval, all catalog cuts, drawings, or brochures of any materials to be used on this project. It is the contractor's responsibility to ensure compliance with requirements briefed at the Pre-Performance meeting (i.e. Environmental, Safety, Fire Department, Security, etc.).

*All Solicitation & Technical information shall be interpreted as whole in order to give meaning to all its parts.*

2. **PROJECT DESCRIPTION:** The 177th Fighter Wing requires the vendor to provide and install an industrial paint booth in the Fuel Cell Corrosion Control Facility, bldg. 445. The technical specifications, description, and salient characteristics of the Paint Booth are described in CLIN 0001 – Provide MXG Paint Booth.

CLIN 0002 provides for the installation of the paint booth in building 445, room 119. The scope of the installation is provided in this Performance Work Statement.

- 2.1. Provide natural gas (NG) service to the new paint booth. Ref: ATTACHMENTS 01
  - 2.1.1. Vendor shall be responsible for connecting the new paint booth to the existing natural gas line in room 119.
  - 2.1.2. Vendor shall verify the existing NG capacity is adequate for the proposed paint booth.
  - 2.1.3. NG piping shall be installed, supported, and tested IAW all applicable codes & regulations to include the International Plumbing Code
    - 2.1.3.1. Testing shall be in the presence of an authorized member of the 177FW CES.
    - 2.1.3.2. All piping shall be rigid pipe. Flexible Stainless-Steel Tubing (FSST) is prohibited; unless final connection to equipment is recommended by the manufacturer to isolate vibrations.
  - 2.1.4. Valve shall be provided to isolate the lateral run and at the final connection to the piece of equipment (paint booth).
    - 2.1.4.1. All valves shall be labeled & tagged IAW the facility identification scheme.
  - 2.1.5. All NG piping shall be labeled accordingly and painted yellow to match the existing NG piping.
- 2.2. Connect Paint Booth to the existing facility electrical service. REF: ATTACHMENTS 02
  - 2.2.1. Existing facility service is 3 phase, 480 volt, 40amps.
    - 2.2.1.1. Ref: ATTACHMENT 02
  - 2.2.2. The existing electric service is in a 4x4 junction box on the south wall of room 119.
  - 2.2.3. All electrical work shall conform to Class 1 Division 2 National Electric Code (NEC) requirements.
  - 2.2.4. The new paint booth is considered a piece of equipment. Appropriate means of disconnect shall be provided IAW the NEC.
  - 2.2.5. All electrical equipment, disconnects, equipment, conductors... shall be identified and labeled IAW the existing facility schemes and NEC.
- 2.3. Connect Paint Booth to the existing Sprinkler System
  - 2.3.1. The new paint booth shall be connected to the existing wet fire suppression system by a New Jersey licensed Fire Suppression Company.
  - 2.3.2. The vendor shall verify that existing adequate water supply & pressure is available.
  - 2.3.3. Connection is provided in room 119 near the ceiling in the northwest portion of the room 119
    - 2.3.3.1. Ref: ATTACHMENT 03
  - 2.3.4. All fire suppression piping, fittings, valves, & supports shall be provided and installed IAW NFPA 13.
  - 2.3.5. All fire piping shall be painted red and labeled IAW the existing facility scheme.

- 2.3.6. All new piping and valves shall be tested IAW the NFPA in the presence of an authorized member of the 177FW CES.
  - 2.3.6.1. Testing shall be recorded on the appropriate forms and be submitted to the Government for record.
- 2.4. Fire Alarm & Detection
  - 2.4.1. Verify, test, & document that the existing fire alarm & detection devices located on the existing fire suppression system are operational & report to the appropriate fire alarm panel at FAA District 24.
    - 2.4.1.1. Ref: ATTACHMENT 04
  - 2.4.2. Connect the Paint Booth to the existing Fire Alarm System as its own zone.
  - 2.4.3. Test system IAW NFPA 72. Provide test report to the 177FW CES for review, approval, & final record.
  - 2.4.4. All fire alarm work shall be accomplished by a factory authorized representative, New Jersey licensed Fire Alarm contractor.
- 2.5. Vendor shall connect the paint both to the existing facility compressed air system & breathing air system. Ref: ATTACHMENT 05
  - 2.5.1. Vendor is responsible for any required regulators, filtration systems, or ancillary equipment required for a complete useable system.
  - 2.5.2. All piping materials, methods, installation, and testing shall be in accordance the latest version of the National Plumbing Code.
    - 2.5.2.1. Contractor shall provide the Government copies of all test reports.
  - 2.5.3. Breathing Air supply shall be IAW OSHA guidelines.
- 2.6. Supply & Exhaust Ducts. Ref: ATTACHMENT 06
  - 2.6.1. The facility has existing 34" spiral duct in place for fresh air supply & return ducts in room 119.
  - 2.6.2. Vendor shall make every attempt to utilize the existing ductwork, fans, and facility penetrations.
  - 2.6.3. Duct sizing, supports, material, and installation shall be in accordance with the manufacturer's written recommendations, engineering calculations, and applicable mechanical codes.
  - 2.6.4. All required facility penetrations, flashing, or materials shall not void the roof manufacturer or building manufacturer warranty.
- 2.7. Exterior Concrete Pad. Ref: ATTACHMENT 07
  - 2.7.1. Contractor shall design and install an exterior concrete pad suitable for supporting all equipment loads.
  - 2.7.2. Contractor shall submit concrete mix designs, shop drawings, & site drawings to the Government for approval.
  - 2.7.3. Contractor shall coordinate with the Government the exact pad location prior to commencing site work.
  - 2.7.4. Contractor shall be responsible for procuring the required Dig Permits & Work Clearance requests.
  - 2.7.5. Contractor shall return the site to the same of better conditions.
- 2.8. **GENERAL**
  - 2.8.1. All work, materials, means, and methods shall follow all applicable building and Life Safety Health Codes and regulations.
  - 2.8.2. All work, materials, means, and methods shall follow generally accepted industry standards.
  - 2.8.3. All work and material shall be installed parallel and perpendicular to the building lines and in a neat & workmanship like manner.
  - 2.8.4. Work shall proceed in a safe and professional manner. All OSHA guidelines shall be followed.
    - 2.8.4.1. The Government reserves the right to immediately stop work, at no additional cost to the Government, if un-safe work practices are witnessed and documented.
  - 2.8.5. All material shall be new and for the intended purpose.
  - 2.8.6. Installation material, means, & methods shall match existing facility standards.
  - 2.8.7. The contractor shall request final testing of installed systems a minimum of two workdays in advance.
    - 2.8.7.1. All testing must be scheduled for Tuesday – Friday on a regularly scheduled workday.
  - 2.8.8. Utility shutdowns shall be requested a minimum of three workdays in advance.
  - 2.8.9. Utility shutdowns shall be scheduled to minimize impact to facility occupants.
  - 2.8.10. To the greatest degree possible. Utility shutdowns shall be scheduled to occur on Mondays.
- 2.9. **MATERIAL SUBMITTALS:** The following material shall be submitted to the Government for review & approval *prior* to purchasing & installing on the project.

- 2.9.1. Natural Gas Piping and accessory devices to include valves.
- 2.9.2. Electrical Conductors, conduit & devices, and disconnects.
- 2.9.3. Fire Suppression:
  - 2.9.3.1. Piping, fittings, & valves
  - 2.9.3.2. Test procedures and Results
- 2.9.4. Fire Alarm & Detection:
  - 2.9.4.1. Wiring & Devices
  - 2.9.4.2. Test Reports
- 2.9.5. Breathing & Compressed Air piping, valves, filters, & ancillary equipment.
- 2.9.6. Concrete mix designs, site drawings, & shop drawings

**2.1. PROJECT MANAGEMENT & SITE SUPERINTENDANT** (ref: FAR 52.236-6)

- 2.1.1. The contractor shall be required to provide a dedicated Site Superintendent through completion of the project. The Site Superintendent **MUST** be on site at all times during active construction activities.

**2.2. COMPLETE USEABLE SYSTEM**

- 2.2.1. This scope of work is for a complete useable system. All components not specifically shown, detailed, or discussed but essential in whole or in part, and required for the intended operation of the system shall be included in the offerors proposal as if specifically shown. In the event of any discrepancy or question, the offeror shall bring it to Contracting Officer *prior* to submitting their proposal.

**3. ADMINISTRATIVE**

- 3.1. Material Submittal Log / Register: Contractor is responsible for submitting *all* submittals prior to fabricating, procuring or installing any equipment on the project. Submittals shall be submitted in accordance with the attached Air Force Form 66, the construction drawings and specifications.
  - 3.1.1. Contractor shall provide a Submittal Register to the Government for review within 10 days after the date of Contract Award.
  - 3.1.2. Material Submittal Register: Contractor is responsible for submitting all material on the Material Submittal Register to the Government for Approval *prior* to fabricating, procuring or installing any equipment on the project.
  - 3.1.3. Additional Material Submittals may be required in accordance with Contract Provisions & Clauses included in the Contract or as required by the Contracting Officer to ensure that the project meets all applicable Codes, Standards, Regulations and minimum Contract Requirements. Any additional Material Submittals will be provided by the Contractor as no additional cost to the Government.

**4. APPLICABLE CODES AND STANDARDS:** Applicable Codes and Standards shall include, but not be limited to, all pertinent requirements of the following organizations most current standards:

- 4.1. API – American Petroleum Institute
- 4.2. NFPA – National Fire Protection Association
- 4.3. UL – Underwriters Laboratory, Inc.
- 4.4. ASTM – American Society for Testing and Materials
- 4.5. ACI – American Concrete Institute
- 4.6. ANSI – American National Standard Institute
- 4.7. AIEEE – American Institute of Electrical Engineers
- 4.8. ASME – American Society of Mechanical Engineers
- 4.9. CRSI – Concrete Reinforcing Steel Institute
- 4.10. IPCEA – Insulated Power Cable Engineers Association
- 4.11. NBS – National Bureau of Standards
- 4.12. IEEE – Institute of Electrical and Electronic Engineers, Inc.
- 4.13. NEC – National Electric Code
- 4.14. NBFU – National Bureau of Fire Underwriters
- 4.15. NEMA – National Electric Manufacturers Association
- 4.16. OSHA – Occupational Safety and Health Administration
- 4.17. NAPHCC – National Association of Plumbing – Heating – Cooling Contractors
- 4.18. National Standard Plumbing Code

- 4.19. ARI – Air Conditioning and Refrigeration Institute
- 4.20. ASHRAE – American Society of Heating, Refrigeration and Air-Conditioning Engineers
- 4.21. AMCA – Air Movement and Control Association
- 4.22. NRCA – National Roofing Contractors Association
- 4.23. NJDOT – Standard Specifications for Road and Bridge Construction – New Jersey Department of Transportation

- 5. **LABOR STANDARDS:** Labor policies contained in FAR Part 22 and provisions and clauses contained in the solicitation / contract apply to CLIN 0002.
  - 5.1. Service Contract Wage Rates: in accordance with FAR 22.1002-2 Wage Determination Based on prevailing rates applies to this contract.
  - 5.2. The applicable SCA Wage Rate is contained in the solicitation documents.
- 6. **RESTRICTED AREAS:** There are numerous areas that are restricted and access to these areas must be coordinated through the BCE Office. The Contractor shall coordinate, 14 days in advance, for arrangements required to work in these areas. Contractors working in restricted areas shall be required to provide the BCE with a list of names and social security numbers for all personnel expected to work in these areas.
- 7. **MEASUREMENT VERIFICATION:** It shall be the Contractors responsibility to verify all measurements, sketches, and descriptions of work for the project.
  - 7.1. All quantities listed in this Solicitation are for planning purposes only. Contractor is responsible for verifying all quantities, measurements, and sketches for this project.
- 8. **WORK WEEK AND HOURS OF OPERATION:** BCE workweek is Monday through Friday, 0700 to 1630. The Contractor must make arrangements in advance to work outside of normal duty hours.
- 9. **PROJECT SCHEDULE:** Installation shall proceed un-interrupted once the contractor has mobilized. The installation schedule shall incorporate the work week and hours stated above along with the federal holidays noted below. The completion time includes inspections and final clean-up of the premises.
  - 9.1. New Year's Day - 1 January
  - 9.2. Martin Luther King's Birthday - Third Monday of January
  - 9.3. President's Day - Third Monday of February
  - 9.4. Memorial Day - Last Monday of May
  - 9.5. Juneteenth – 19 June
  - 9.6. Independence Day - 4 July
  - 9.7. Labor Day - First Monday in September
  - 9.8. Columbus Day - Second Monday in October
  - 9.9. Veteran's Day - 11 November
  - 9.10. Thanksgiving Day - Fourth Thursday in November
  - 9.11. Christmas Day - 25 December
  - 9.12. *NOTE: Base Scheduled Day Off (SDO)*
    - 9.12.1. If the Federal holiday occurs on a Monday; the base will observe an SDO and be closed the following Tuesday in addition to the Federal Holiday.
    - 9.12.2. Contractors will NOT have access to the base on the Tuesday SDO.
- 10. **TRASH DISPOSAL:** It is the Contractor's responsibility to dispose of all trash and debris incurred during project construction, off base at an authorized disposal site in accordance with local, state and federal requirements.
- 11. **ENVIRONMENTAL IMPACT:** Under NO CIRCUMSTANCES shall any waste materials, cleaning fluids, solvents, paints, etc. be poured into the base storm drains, sewer/septic systems, or discharged onto the ground. Contractor shall adhere to all Federal, State and Local Regulations. All materials on the job will be accompanied by a MSDS (Material Safety Data Sheet). All containers shall be marked clearly and legibly as to the contents inside. All containers shall have lids firmly affixed. All collections of waste will be disposed of properly following IAW State and Federal Regulations to include proper manifesting. Provide the Base Engineer with quantities of recyclable materials discarded such as metals, concrete, etc.
- 12. **HAZMAT REPORTING:** (ref: FAR 23.3; FAR 52.232-2; & DFARS 252.223-7001)

- 12.1. The contractor shall submit anticipated amounts of all HAZMAT material to be used on the project to the Government in Projectmates. Submission of anticipated amounts shall include the Safety Data Sheet (SDS) in accordance with FAR 52.232-2.
- 12.2. The anticipated amounts shall be updated at project completion to indicate actual quantity consumed on the project of each identified HAZMT material.
- 12.3. HAZMAT Reporting Requirement will be reviewed at the bi-weekly Progress Meetings.
- 12.4. *Hazardous material* is defined in the latest version of Federal Standard No.313. (ref: FAR 23.301)

13. **HEALTH & SAFETY REQUIREMENTS:** (ref: FAR 52.236-13)

- 13.1. The Contractor shall abide by all State, Local, and OSHA safety requirements relevant to the items described in this SOW. If the Contractor is found to be in violation of any applicable safety regulations on the job site, the Government representative shall stop all work until the unsafe practice has been ceased and corrected.
- 13.2. Prior to Mobilization:
  - 13.2.1. The Contractor shall submit a Safety Plan in accordance with U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1, ref: FAR 52.236-13(c)
  - 13.2.2. The Contractor shall nominate a dedicated Safety Representative for this project for approval to the Government. *The Safety Representative must hold a valid OSHA 30-Hour Training Card for Construction.*

15. **ATOPSEC:** Access and General Protection/Security Policy and Procedures. (This standard language is for contractor employees with an area of performance within Government controlled installation, facility, or area.)

- 15.1. The contractor shall comply with all applicable installation/facility access and local security policies and procedures, which may be obtained from the Contracting Officer's Representative (COR). The contractor shall also provide all information required for background checks to meet installation access requirements to be accomplished by the local installation's Security Forces, Director of Emergency Services or local Security Office. The contractor shall ensure compliance with all personal identity verification requirements as directed by DOD, HAF and/or local policy. Should the Force Protection Condition (FPCON) change, the Government may require changes in contractor security matters or processes.
- 15.2. For Contractors that do not require CAC, but require access to a DoD Facility and/or Installation. Contractor and all associated sub-contractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (AFI 31-101 and AFI 10-245), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

16. **FINAL ACCEPTANCE / COMPLETION OF PROJECT:** When the job is completed, the Contractor must notify the BCE and make arrangements for a final inspection. The project WILL NOT be accepted by the Government until:

- 16.1. The Government has received and reviewed all Test Reports, Equipment Start-Up Reports, Close-Out Information, Manufactures & Installers warranty paperwork, and Contractors One Year Warranty (ref: FAR 52.246-21)
- 16.2. The site is returned to original or better condition according to applicable codes and standards.

## ATTACHMENTS 01





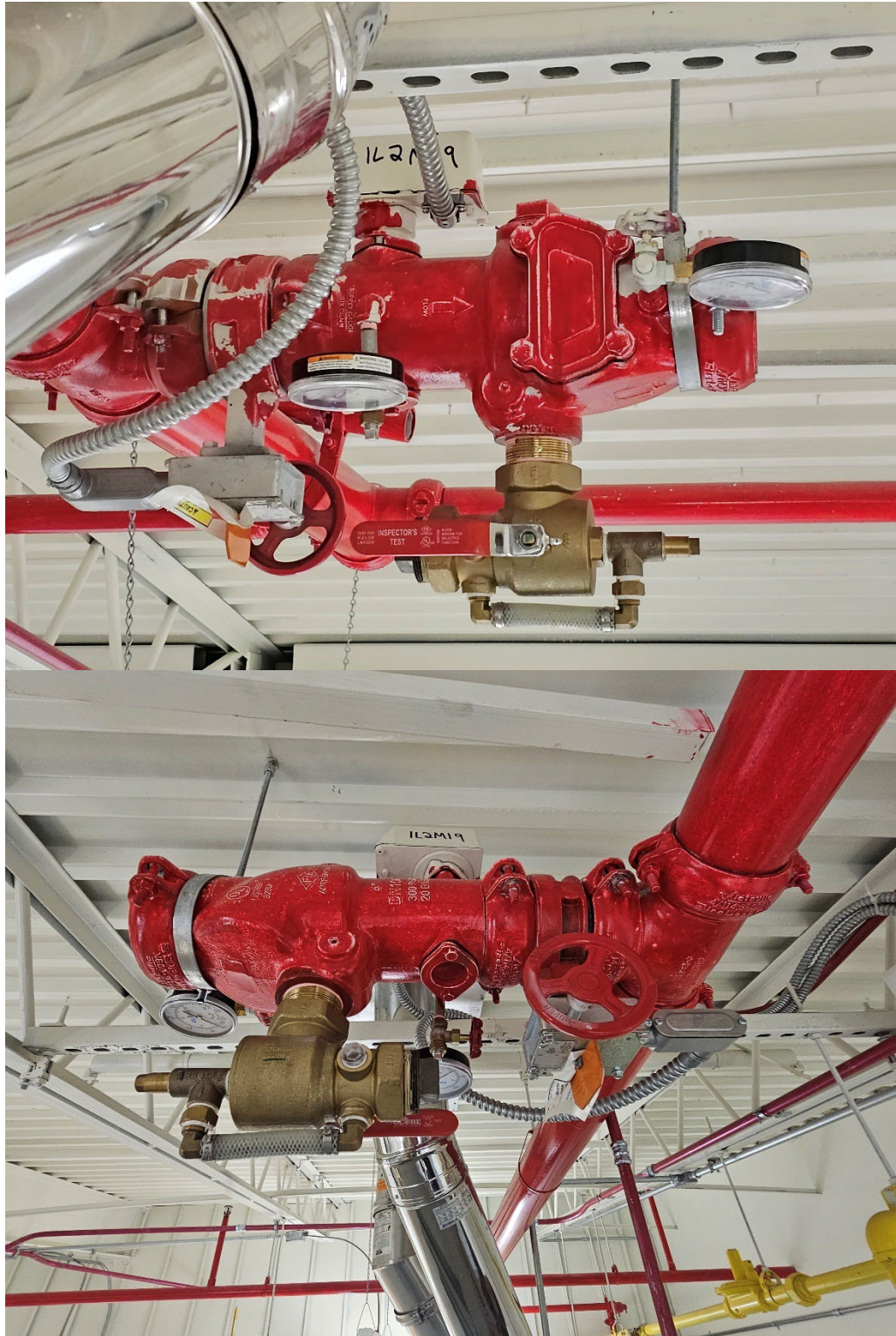
## ATTACHMENTS 02



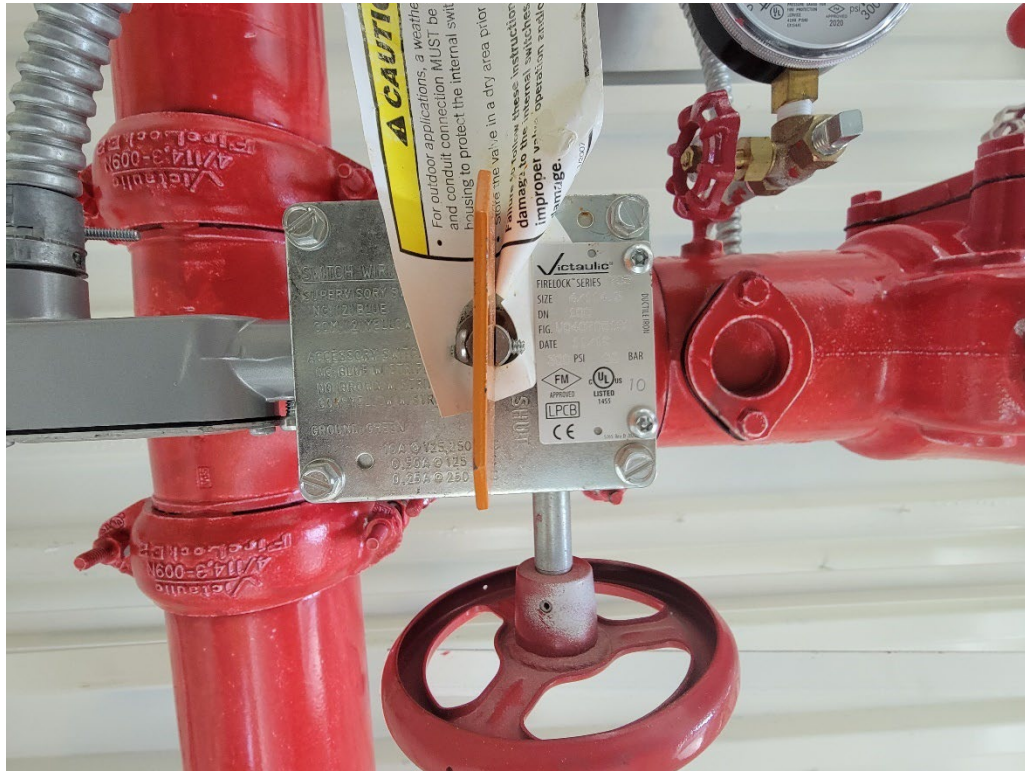
## ATTACHMENT 03





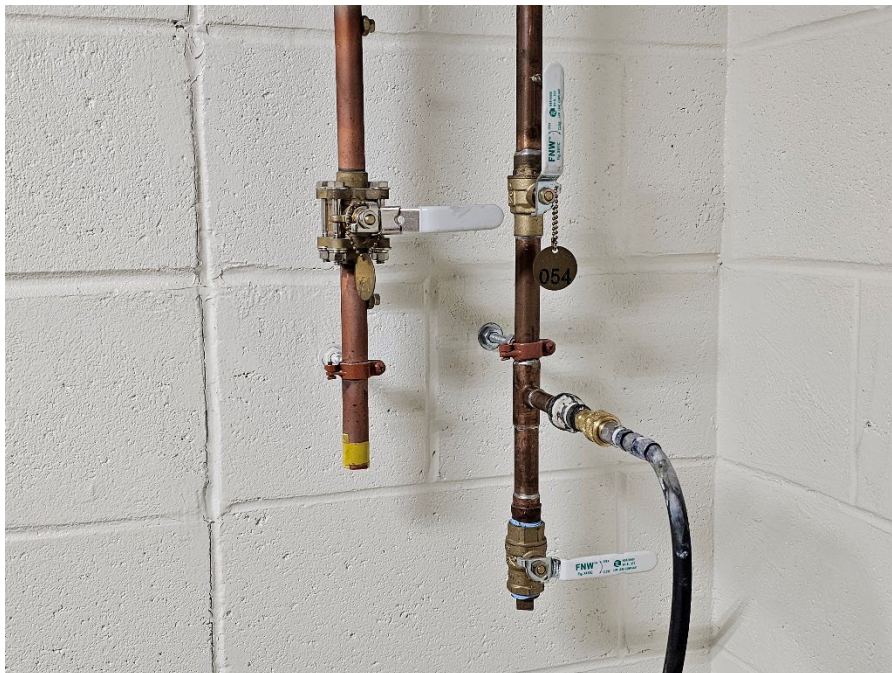


## ATTACHMENT 04

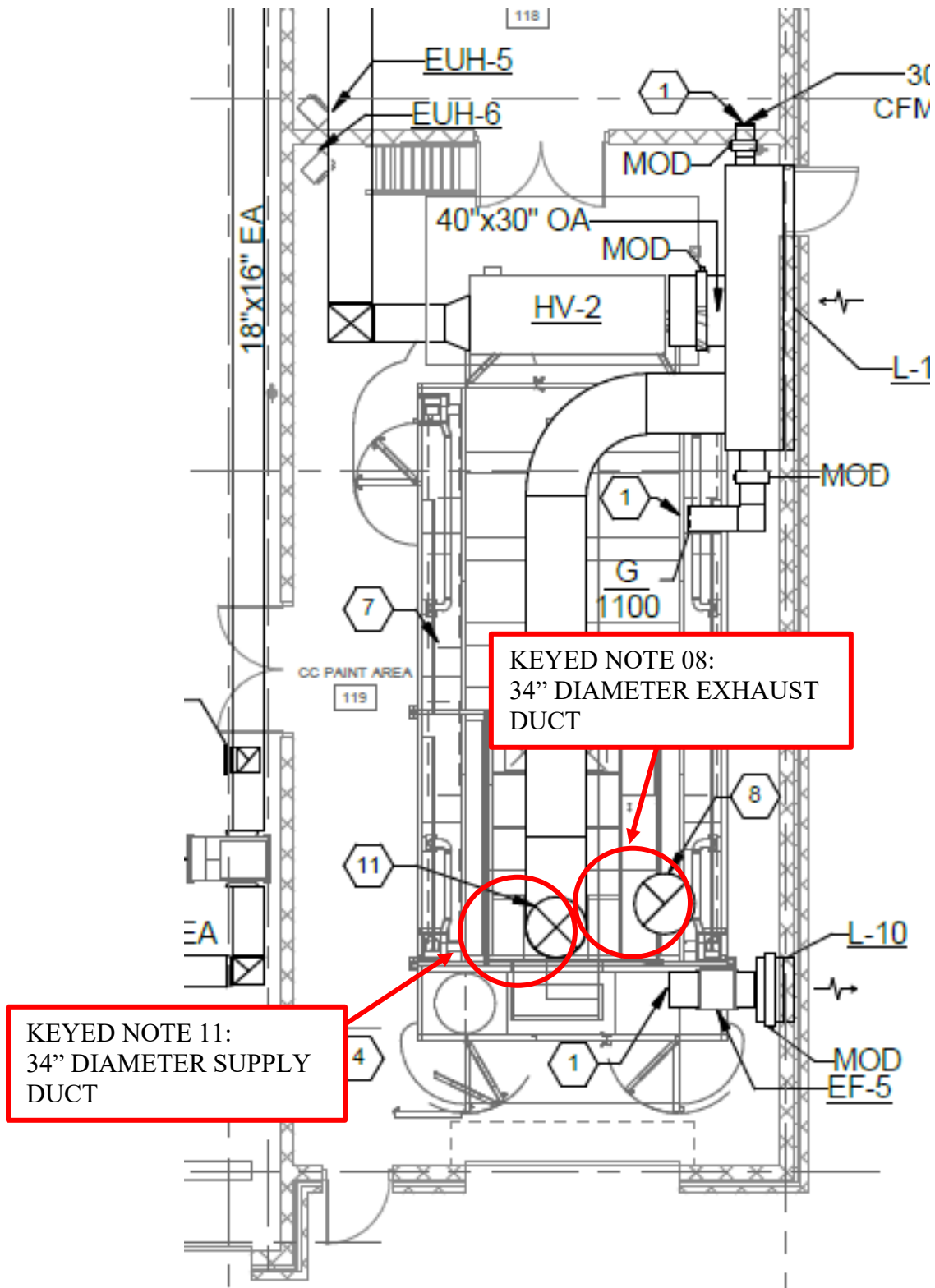




## ATTACHMENT 05



ATTACHMENT 06







## ATTACHMENT 07

