

**NAVFAC  
SPECIFICATION**

**7060254  
B1307 Install Wet Pipe Fire  
Suppression System**

**MCAS Cherry Point, NC  
AMENDMENT #0002**

## **IMPORTANT**

**This amendment should be acknowledged when your proposal is submitted. Failure to acknowledge the amendment may constitute grounds for rejection of the proposal.**

**If your proposal has been submitted prior to the receipt of this amendment, acknowledgement should be made by telegram, which should state whether the price contained in your proposal is to remain unchanged, is to be decreased by an amount, or is to be increased by an amount. The acknowledgement must be received prior to proposal opening time.**

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE 1	OF PAGES 2
2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 01/04/2021	4. REQUISITION/PURCHASE REQ. NO. 7060254	5. PROJECT NO. (If applicable)		
6. ISSUED BY <b>CG MCAS Cherry Point FACILITIES, ROICC B-163, CURTIS ROAD PSC BOX 8006 CHERRY POINT, NC 28533</b>		Code N40085	7. ADMINISTERED BY (If other than item 6.)		Code
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  <b>AMENDMENT MUST BE ACKNOWLEDGED WITH YOUR PROPOSAL</b>			<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION B1307 Wet Pipe Fire Suppression System	
			<input type="checkbox"/>	9B. DATED (SEE ITEM 11)	
			<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.	
			<input type="checkbox"/>	10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE				

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers  is extended  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning 1 copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS,  
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14. ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATION CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER: (specify type of modification and authority)
E. IMPORTANT: Contractor <input type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return <b>original</b> to the issuing office.	

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

7060254 B1307 Install Wet Pipe Fire Suppression System, Marine Corps Air Station Cherry Point, NC

This amendment is being issued to respond to pre-award RFIs.

The deadline to submit pre-award RFIs has passed.

The proposal due date has been moved to 12 January 2021 at 1200 local time.

See Attached.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Same as Item 8)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

RFI Responses:

1. Under the heading Fire Alarm System Modifications, Section A. The scope of work states to de-energize the 480v electrical power supply to the Laser Peening Trailer upon a signal from the flow switch. Can the panel type, size and location of the 480v electrical service be provided?

*Response: Reference revised Streamline MACC Scope of Work. Submit Proposals in accordance with RFP, Specifications, Drawings, and all Amendments. Streamlined MACC Scope of Work has been uploaded to beta.sam.gov along with as-built drawings.*

2. Under the heading Fire Alarm System Modifications it states that the work includes modifying the existing fire alarm and mass notification system. Can the brand of existing fire alarm system be provided? Can the as-built prints be provided to the existing fire alarm system?

*Response: Reference revised Streamline MACC Scope of Work. Submit Proposals in accordance with RFP, Specifications, Drawings, and all Amendments. Streamlined MACC scope of work has been uploaded to beta.sam.gov along with as-built drawings.*

3. Under the heading Fire Alarm System Modifications, Section B , the scope of work states to provide visual and audible alarms inside the trailer. Can a Fire Alarm print that designates the location of the visual and audible alarms be provided?

*Response: Reference revised Streamline MACC Scope of Work. Submit Proposals in accordance with RFP, Specifications, Drawings, and all Amendments. Streamlined MACC scope of work has been uploaded to beta.sam.gov along with as-built drawings.*

INSTALL WET PIPE FIRE SUPPRESSION BUILDING 1307 (TRAILER), FRC-E,  
MCAS CHERRY POINT, NORTH CAROLINA 28533-0006  
WORK ORDER #7060254

1.1 GENERAL INTENTION

The work includes modifications to the existing Fire Alarm and Automatic Fire Sprinklers Systems to provide coverage inside the Laser Shock Peening Equipment trailer and incidental related work.

1.2 LOCATION

The work is located at MCAS Cherry Point NC, approximately as indicated. The exact location will be shown by the Contracting Officer.

1.3 DETAILED REQUIREMENTS.

Contractor shall modify the existing Fire Alarm and Automatic Fire Sprinklers Systems to provide coverage inside the Laser Shock Peening Equipment trailer owned by Curtiss-Wright Surface Technologies (CWST).

APPLICABLE DOCUMENTS.

The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this SOW to the extent specified herein:

National Fire Protection Association (NFPA)  
NFPA 13, "Standard for the Installation of Sprinkler Systems"  
NFPA 72, "National Fire Alarm Code"

Unified Facilities Guide Specifications (UFGS)  
UFGS 21 13 13.00 20, "WET PIPE SPRINKLER SYSTEM, FIRE PROTECTION"  
UFGS 28 31 76, "INTERIOR FIRE ALARM AND MASS NOTIFICATION SYSTEM"

SYSTEM RECORD OF COMPLETION

REFERENCE DRAWINGS (enclosed)

PHOENIX FIRE PROTECTION Job#: M15-18 AS BUILTS 08-05-2019  
Curtis-Wright Surface Technologies Drawing No. 20200608-01  
NAVFAC Drawing 12767320

EXPERIENCE.

Contractor must have at least three years of experience designing and installing fire protection systems. Contractor must submit with

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his bid, three (3) references of companies previously serviced. Contractor who fail to provide references will not be considered for contract award.

LICENSES AND CERTIFICATIONS.

Contractor must possess a current North Carolina Fire Sprinkler Installation Contractor License and a North Carolina Fire Alarm/Low Voltage Electrical Contractor Limited License. The Contractor must provide a copy of the licenses with his bid.

The Contractor's Sprinkler System Design Technician must possess a National Institute of Certification for Engineering Technicians (NICET) Level 3 certificate. The Contractor must provide a copy of the certificate with his bid.

Contractor who fail to provide copy of license and certificate will not be considered for contract award.

FIRE ALARM SYSTEM MODIFICATIONS.

This work includes modifying the existing fire alarm and mass notification system. Reference SYSTEM RECORD OF COMPLETION for existing fire alarm system information:

- a. To incorporate the signals from the trailer's new automatic fire sprinklers connection supervisory devices (tamper and flow switches). The signal from the flow switch must be programmed to de-energize the 480V electrical power supply to the Laser Peening trailer. Reference Curtis-Wright Surface Technologies Drawing No. 20200608-01 for 480V panel type and size. Reference NAVFAC Drawing 12767320 (FA101) for location of 480V panel.
- b. To provide visual and audible alarms inside the trailer. Reference NAVFAC Drawing 12767320 for location of visual and audible alarm. The alarm operation shall be triggered upon activation of the building's fire protection system as a means to notify occupants.

Contractor shall design, furnish and install labor and material required for modifications. Labor and materials must be in strict compliance with NFPA 72.

AUTOMATIC FIRE SPRINKLERS SYSTEM MODIFICATIONS.

This work includes modifying the existing automatic fire sprinklers system to provide coverage inside the trailer. Care shall be considered in the design to account for employees accidentally

activating a sprinkler head. Labor and materials must be in strict compliance with NFPA 13.

**Sprinkler system Design, Demand and K-Factor**

0.2 GPM/SF over 3,250 square feet, K=8.0. The design area shall be the entire area of the trailer plus an adjacent area at the ceiling level such that the sum of the areas equals 3,250 square feet. Sprinklers shall be concealed sidewall heads with white covers. Supporting structure shall be provided as required to support sprinkler piping in accordance with NFPA 13. Piping shall be installed outside of the trailer to the maximum extent possible. Install a low-point drain in the section of piping infrastructure leading down to the trailer. All piping shall be black steel, schedule 40, threaded piping. Piping shall be painted to match existing piping. Provide a butterfly valve with tamper switch, check valve and flow switch where the new piping connects to the existing system. The location shall be readily accessible for maintenance and testing. Coordinate with the fire alarm contractor for connection of flow and tamper switches to the existing system. The flow switch shall disconnect the power to the trailer.

PERFORMANCE PERIOD. Contractor must complete installation inside the Laser Peening building within a 30 days access window starting on 3/15/2021 and finishing on 4/15/2021, after receiving Government approved submittal. The Government will provide the contractor a 15 day notice for mobilization. Currently the Laser Peening Trailer access for the contractor is slated for: March 15<sup>th</sup> to April 15<sup>th</sup> 2021 for construction. Time will be allowed by coordinating with FRCE Project Manager access to the inside of the trailer for design purposes prior to as needed. If the Government pushes the mobilization date beyond March 15<sup>th</sup>, the Government will extend the CCD date day for day.

INSPECTION AND TESTING. Contractor must coordinate the presence of FRC East, Fire Department Inspector and NAVFAC Fire Protection Engineering during the testing of the systems in accordance with NFPA 13 and 72. Provide an as-built set of drawings and preliminary test report documenting for both the sprinkler system and the fire alarm system along with the request for testing. A minimum of 2 weeks notice must be provided in order to schedule testing.

#### 1.4 SPECIAL SCHEDULING REQUIREMENTS

Have materials, equipment, and personnel required to perform the work at the site prior to the commencement of the work.

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The occupied building will remain in operation during the entire construction period. The Contractor must conduct his operations within the specified dates and so as to cause the least possible interference with normal operations of the activity.

Permission to interrupt any activity roads, railroads, or utility service must be requested in writing a minimum of 15 calendar days prior to the desired date of interruption and in accordance with section 1.10.

#### 1.5 CONTRACTOR ACCESS AND USE OF PREMISES

DBIDS has gone live at MCAS Cherry Point. In order to reduce wait time when exchanging your RapidGate credential, it is highly recommended each applicant pre-register at <https://dbids-global.dmdc.mil/enroll#!/>

Non-DoD cardholding visitors to Marine Corps Installations with a driver's license or ID issued by a state that is not compliant with the Real ID Act of 2005 will now need to provide an alternate form of acceptable identification to gain entry, or be escorted by an authorized patron of the air station.

North Carolina now issues REAL ID compliant driver's licenses, but many drivers have yet to be issued the new license. Drivers may get a North Carolina REAL ID driver's license at any NCDMV driver's license office.

The Act established minimum security standards for license issuance and production and prohibits Federal agencies from accepting driver's licenses and identification cards from states not meeting the Act's minimum standards.

In absence of a compliant state issued driver's license or ID, one of the following federally approved forms of identification must also be provided in addition to the non-compliant driver's license or ID:

1. U.S. Passport
2. U.S. Passport Card
3. U.S. Coast Guard Merchant Mariner Card
4. Personal Identity Verification (PIV) Card
5. Personal Identity Verification - Interoperable (PIV-I)
6. U.S. State Department Driver's License
7. Veteran's Health Identification Card (Issued by the U.S. Department of Veterans Affairs)

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8. U.S. Permanent Resident Card (Form I-551)
9. U.S. Certificate of Naturalization or Certificate of Citizenship (Form N-550)
10. Department of Homeland Security Employment Authorization Document (Form I-766)

#### 1.5.1 ACTIVITY REGULATIONS

Ensure that Contractor personnel employed on the Activity become familiar with and obey Activity regulations including safety, fire, traffic and security regulations. Keep within the limits of the work and avenues of ingress and egress. Wear hard hats in designated areas. Do not enter any restricted areas unless required to do so and until cleared for such entry. Mark Contractor equipment for identification.

##### 1.5.1.1 SUBCONTRACTORS AND PERSONNEL CONTACTS

Provide a list of contact personnel of the Contractor and subcontractors including addresses and telephone numbers for use in the event of an emergency. As changes occur and additional information becomes available, correct and change the information contained in previous lists.

##### 1.5.1.2 INSTALLATION ACCESS

Obtain access to Navy and Marine Corps installations through participation in the Defense Biometrics Identification System (DBIDS). Requirements for Contractor employee registration, and transition for employees currently under Navy Commercial Access Control System (NCACS), are available at <https://www.cnmc.navy.mil/om/dbids.html>. No fees are associated with obtaining a DBIDS credential.

Participation in the DBIDS is not mandatory, and Contractor personnel may apply for One-Day Passes at the Base Visitor Control Office to access an installation.

##### 1.5.1.2.1 REGISTRATION FOR DBIDS

Registration for DBIDS is available at <https://www.cnmc.navy.mil/om/dbids.html>. Procedure includes:

- a. Present a letter or official award document (i.e. DD Form 1155 or SF 1442) from the Contracting Officer that provides the



purpose for access to the Base Visitor Control Center representative.

- b. Present valid identification, such as a passport or Real ID Act-compliant state driver's license.
- c. Provide completed SECNAV FORM 5512/1 to the Base Visitor Control Center representative to obtain a background check. This form is available for download at <https://www.cnic.navy.mil/om/dbids.html>.
- d. Upon successful completion of the background check, the Government will complete the DBIDS enrollment process, which includes Contractor employee photo, finger prints, base restriction and several other assessments.
- e. Upon successful completion of the enrollment process, the Contractor employee will be issued a DBIDS credential, and will be allowed to proceed to worksite.

#### 1.5.1.2.2 DBIDS ELIGIBILITY REQUIREMENTS

Throughout the length of the contract, the Contractor employee must continue to meet background screen standards. Periodic background screenings are conducted to verify continued DBIDS participation and installation access privileges. DBIDS access privileges will be immediately suspended or revoked if at any time a Contractor employee becomes ineligible.

An adjudication process may be initiated when a background screen failure results in disqualification from participation in the DBIDS, and Contractor employee does not agree with the reason for disqualification. The Government is the final authority.

#### 1.5.1.2.3 DBIDS NOTIFICATION REQUIREMENTS

Immediately report instances of lost or stolen badges to the Contracting Officer.

Immediately collect DBIDS credentials and notify the Contracting Officer in writing under the following circumstances:

- 1) An employee has departed the company without having properly returned or surrendered their DBIDS credentials.

- 2) There is a reasonable basis to conclude that an employee, or former employee, might pose a risk, compromise, or threat to the safety or security of the Installation or anyone therein.

#### 1.5.1.2.4 ONE-DAY PASSES

Personnel applying for One-Day passes at the Base Visitor Control Office are subject to daily mandatory vehicle inspection, and will have limited access to the installation. The Government is not responsible for any cost or lost time associated with obtaining daily passes or added vehicle inspections incurred by non-participants in the DBIDS.

#### 1.5.1.3 NO SMOKING POLICY

Smoking is prohibited within and outside of all buildings on installation, except in designated smoking areas. This applies to existing buildings, buildings under construction and buildings under renovation. Discarding tobacco materials other than into designated tobacco receptacles is considered littering and is subject to fines. The Contracting Officer will identify designated smoking areas.

#### 1.5.2 WORKING HOURS

Regular working hours shall consist of an 8 1/2 hour period normally between the hours of 7:00 am to 3:30 pm, Monday through Friday, excluding Government holidays.

#### 1.5.3 WORK OUTSIDE REGULAR HOURS

Work outside regular working hours requires Contracting Officer approval. Make application 15 calendar days prior to such work to allow arrangements to be made by the Government for inspecting the work in progress, giving the specific dates, hours, location, type of work to be performed, contract number and project title. Based on the justification provided, the Contracting Officer may approve work outside regular hours. During periods of darkness, the different parts of the work must be lighted in a manner approved by the Contracting Officer. Make utility cutovers after normal working hours or on Saturdays, Sundays, and Government holidays unless directed otherwise.

#### 1.5.4 EXCLUSIONARY PERIOD

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To be determined. This period has not been considered in computing the time allowed for the performance of this contract.

#### 1.5.5 OCCUPIED BUILDING

The Contractor shall be working in an existing building which is occupied. Do not enter the building without prior approval of the Contracting Officer.

The existing buildings and their contents must be kept secure at all times. Provide temporary closures as required to maintain security as directed by the Contracting Officer.

Protect existing equipment against damage.

The Government needs to coordinate beforehand with trailer's owner the relocation of any equipment that represent an obstruction to perform the work contracted. Contractor shall not proceed with the relocation without previous approval from the Contracting Officer.

#### 1.5.6 UTILITY CUTOVERS AND INTERRUPTIONS

Make utility cutovers and interruptions after normal working hours or on Saturdays, Sundays, and Government holidays. Conform to procedures required in the paragraph "Work Outside Regular Hours."

Ensure that new utility lines are complete, except for the connection, before interrupting existing service.

Interruption to water, sanitary sewer, storm sewer, telephone service, electric service, air conditioning, heating, fire alarm, and compressed air are considered utility cutovers pursuant to the paragraph entitled "Work Outside Regular Hours."

Operation of Station Utilities: The Contractor must not operate nor disturb the setting of control devices in the station utilities system, including water, sewer, electrical, and steam services. The Government will operate the control devices as required for normal conduct of the work. The Contractor must notify the Contracting Officer giving reasonable advance notice when such operation is required.

### 1.6 SECURITY REQUIREMENTS

#### 1.6.1 STATION REGULATIONS

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No employee or representative of the contractor will be admitted to the work site without an Identification Badge or is specifically authorized admittance to the work site by the FEAD, Facilities Engineering & Acquisition Division.

IMPORTANT NOTE: FEAD personnel (Construction Managers, Engineers/Architects, Engineering Technicians, Contract Specialists, or Contract Surveillance Representatives) will not receive, process, re-transmit or otherwise handle IN ANY WAY Personally Identifiable

#### 1.6.2 CONTRACTOR ACCESS TO MCAS CHERRY POINT AND OUTLYING AREAS

Documentation requirements for granting access to MCAS Cherry Point for commercial and contract employers and employees. This document is an aid in meeting ASO 5560.6A requirements and is not a substitute for the order.

The Pass & Identification Office at Building 251 will issue credentials to authorized contractors. Sub-Contractors and suppliers must coordinate through the Prime-Contractor:

Criminal Activity. In accordance with ASO 5560.6A, the below list of criminal activities within an applicant's record are considered not in the best interest of the Marine Corps and will be grounds for automatic denial of access aboard the Installation:

- a. Conviction of any felony offense.
- b. Conviction of any misdemeanor offense, which was the result of a plea bargain of a felony offense.
- c. Conviction of any offense involving a weapon.
- d. Conviction of any drug offense involving manufacturing or trafficking.
- e. More than one misdemeanor conviction of drug related offenses over the applicant's lifetime or one misdemeanor drug related offense within the last five years.
- f. Conviction of any assault charge.
- g. Conviction of any offense involving theft or larceny.
- h. Conviction of any offense of domestic violence.

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- i. Conviction of any offense related to the abuse/neglect of a child.
- j. Conviction of any sexual in nature related offense or registration as a sex offender.
- k. Commission of any grievous criminal offense/misconduct while aboard any Federal installation, including blatant disregard for rules and regulations of the Installation, but excluding minor traffic offenses.
- l. Other than Honorable, Bad Conduct, and Dishonorable discharges from the U.S. Military.
- m. Those identified as undocumented citizens.
- n. Those on the National Terrorist Watch List.
- o. Any individual who attempts to hide or purposely fails to disclose all past criminal history during the vetting process.
- p. Any individual that the Provost Marshal's Office determines to present a risk to the security and safety of the Installation and whose access is deemed not in the best interest of the Marine Corps.
- q. Any individual who has been debarred from the Installation by the Installation Commander or is currently listed as debarred from any other Federal installation.
- r. Any individual with an outstanding warrant for their arrest or apprehension.
- s. Any individual with a pending criminal court case that, if convicted, would result in access denial in accordance with the criteria listed above.

#### 1.6.3 FLEET READINESS CENTER, EAST (FRC EAST) REQUIREMENTS

Work involved under this contract is in the FRC East Maintenance Depot and Flightline Area. No employee or representative of the Contractor will be admitted to the work site unless they (1) are specifically authorized admittance by the FEAD, and (2) has a security badge. The Contractor shall obtain clearance and FRC

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East security badges for all personnel required to be on the project site prior to performing any work. The Contractor shall submit a written request for security badges to the FEAD and to FRC East Security. Each employee will be required to go to Trailer 32 to obtain his security badge with FRC East access. A limited number of Contractor vehicles will be allowed access to the site of work subject to meeting regular access requirements. No personal vehicles will be allowed behind the security fence. Parking of vehicles shall be restricted to the immediate project site as determined by the FRC East Security. The security badges issued under this contract are valid for this specific project and are not transferable to another project.

FRC East is registered to the ISO 9001, AS 9110, ISO 14001, and OSHAS 18001 standards. In addition to these, registration under the Occupational Safety and Health Administration's Voluntary Protection Program is in progress. To adhere to the standards required of these programs, FRC East must ensure that all individuals accessing the facility are aware of the conditions and factors that affect the well-being of all employees, temporary workers, contractor personnel, visitors, and any other person in the workplace.

The following are requirements for granting access to Fleet Readiness Center East (FRC East) for commercial and contract employers and employees.

a. The Contractor shall complete a "Contractor Work Notice-Form FRC-East 5000/10" and provide the Notice to the appropriate shop supervisor for signature and leave the top part of the Notice with the shop supervisor to post in a prominent location in the work area. The Contractor shall keep the bottom portion of the "Contractor Work Notice" for his records and provide a copy to the Contracting Officer. For projects occurring on facility roofs (roofing repair, HVAC replacement, or similar work), the Contractor shall complete a "Contractor Work Notice" form and provide the Notice to the shop directly under the area being worked, even if no direct impact to the shop is anticipated. A blank copy of this form is included at the end of this section.

b. In the event of an emergency, including hazardous material spills, the individual discovering the emergency shall call 911 from any FRC East phone. Relay the grid number listed on the phone for location assistance. If you are calling from a cell phone, call 252-466-3616 - Fire Department Dispatch.

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- c. Badges will be displayed at all times and shall be returned upon completion of visit/work. Every badge is considered Government Property and all lost badges will be reported to the FRC East Badge and Decal Office located in Trailer 32.
- d. The facility must be kept clean and orderly at all times. Ensure that you place all waste in proper receptacles so that the facility is maintained in a "Clean as you go" condition.
- e. When in the FRC East industrial areas, wear the personal protective equipment (PPE) required for that area. PPE requirements are generally marked but if there is uncertainty, check with the area supervisor. Typically, safety glasses with side shields and steel toed shoes are required in most shops.
- f. Smoking is NOT authorized while traveling from one facility location to another while walking or in a vehicle being operated anywhere within the FRC East compound. ABSOLUTELY NO SMOKING on the property except in Designated Smoking Areas.
- g. Extra caution shall be taken around the flight line and aircraft turn-up areas to control trash, debris, and materials. Additionally, all personnel on the flight line must be continuously alert and stay clear of helicopter and jet operations in progress.
- h. Vehicles must not obstruct aircraft movement or other daily operations.
- i. If an emergency situation occurs which would endanger the health or safety of personnel, the area shall be evacuated. Re-entry to affected buildings will be at the discretion of uniformed guards, fire department, or safety office personnel only.
- j. Decisions to evacuate will be from the FRC East Commanding Officer or his/her representative. Visitors/contractors, along with non-essential facility personnel, south of Harrison Drive, adjacent to Building 4224, will evacuate the facility first. Fifteen minutes later, the visitors/contractors south of Curtis Road, between Buildings 83 & 84, will evacuate the facility. Fifteen minutes later the visitors/contractors north of Curtis Road will evacuate the facility.
- k. Cellular phones and photographic equipment are not authorized within FRC East unless they are approved in advance by the

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Security Office (252-464-7999). Cellular phones may be used on roof areas for emergency purposes only.

l. All vehicles must have proper passes, and no pass may be transferred between vehicles.

m. All vehicles will follow posted speed limits, which are: "Do not exceed 5 MPH on the outside of buildings, nor 3 MPH inside of any building".

n. Vehicle headlights must be on at all times within the facility.

o. All vehicles are required to slow down, sound horn, and proceed with caution at all cross aisles and other locations where vision is obstructed.

p. Personnel are strictly forbidden to introduce any substance into the storm drain system including catch basins, roof drains, and floor drains.

q. All facility entrants are responsible for all materials they bring into the facility and shall handle them in such a manner to ensure they are not left as "foreign objects" anywhere in the facility.

r. In case of a utility emergency on weekends or after normal work hours, call the Public Works Department trouble call desk at 252-466-4363.

s. The use of gasoline is prohibited for any purpose other than fueling motor vehicles. All gasoline-powered vehicles are prohibited inside FRC East buildings.]

#### 1.6.3.1 Mandatory Contract Performance Requirements for FRC East

a. All personnel working on site at FRC East under this contract must document their receipt and review of the information listed in FRCEASTINST 5000.1A, annually. The Security Department will provide a means of completing initial review prior to FRC East entrance.

b. Foreign object (FO) is defined as any article or substance alien to the aircraft or assembly which is allowed to invade the product. Foreign Object Damage (FOD) is the damage that occurs due to these FOs. All FRC East work sites will be maintained in



such a manner as to prevent FOD to aircraft and/or aircraft components. Work sites shall be kept clean at all times. All debris, scrap material, tools, and equipment will be cleared from the work site as work progresses. At no time will hoses, power cords, materials, etc. be permitted to create tripping hazards in areas of the work site.

c. In those cases where a contractor supervisor determines that solving a safety or health problem is beyond their control, but within the control of FRC East, the contractor shall notify the Contracting Officer.

d. All contractor employees performing work on site at FRC East shall immediately report any safety, security, or environmental violation to the Contracting Officer, who will notify the cognizant FRC East Safety/Security/Environmental Office. The initial FRC East notification can be made via phone or e-mail and should include as many applicable details as possible (date, time, identification numbers, tags, company, etc.). This initial notification will be made as soon as possible. A safety incident will require the contractor to complete and submit an incident memo to the Contracting Officer, who will forward a copy to the FRC Safety Office within 24 hours of the accident/incident. This incident memo will include the full name of the person involved in the incident, their age, sex, job title, the name of the employing company, and the contract number/title. In addition, this memo will include the severity of the illness or injury, indirect cause(s) of the accident, and whether personal protective equipment was available and used.

e. All contractors and sub-contractors working within FRC East must develop and operate effective safety and health programs.]

#### 1.6.3.2 Additional Contract Performance Requirements for FRC East

a. Work above or anywhere near aircraft or passageways shall be avoided whenever possible. If this is not possible, the cognizant shop supervisor will be informed so arrangements can be made to protect, move, or evacuate assets from the area to minimize foreign object debris potential. The area below the elevated work area will be adequately marked and barricaded at all times. Under no circumstances will work be performed over unprotected spaces.

b. The recharging of mobile equipment shall not take place inside any FRC-East building.

c. Tools and hardware will be controlled at all times to prevent migration out of the work site. Lost tools shall be reported to the Contracting Officer who will then notify the FRC East Tool Control Manager at 252-464-9741. Tools found unattended will be confiscated and reported to the Contracting Officer.

#### 1.6.4 STAGING AREA

The contractor staging area will be (PM to coordinate). Amount of material on site shall be kept to a minimum and shall only be material that is pertinent to the work currently being performed. All stockpiling of equipment and materials shall be closely coordinated with the Government and shall not disrupt activities at the site.

#### 1.7 MINIMUM INSURANCE REQUIREMENTS

Provide the minimum insurance coverage required by FAR 28.307-2 Liability, during the entire period of performance under this contract. Provide other insurance coverage as required by North Carolina Law.

#### 1.8 SUPERVISION

The complexity of this project will require one person to fill the roles of the Superintendent, Quality Control Manager, and Site Safety and Health Officer.

#### 1.9 SUBMITTALS

The following items shall have submittals delivered to the COR for approval by the government prior to the commencement of site work.

- a) Installation shop drawings (scaled)
- b) Hydraulic Calculations
- c) Material cut sheets

Authority Having Jurisdiction (AHJ) on the design package approval is NAVFAC MIDLANT Fire Protection Engineer Scott Arnoe.

#### 1.10 PLANNED OUTAGES AND SERVICE DISRUPTIONS

Planned outages and service disruptions are requested by the contractor for approval by the Government when necessary to

facilitate and/or accomplish contract work. Affected services include utilities (steam, water, waste water, and electrical service), communications (telephone, network, industrial control systems, and fire/security alarm systems, fire protection equipment, infrastructure, and road closures. Disruption of these services cannot be allowed without written approval of the government.

The contractor is required to 1) request the outage in writing and 2) demonstrate sufficient contingency preparedness in the event that service cannot be restored due to a failure in accomplishment of contract work.

All outages require Contractor's written request fifteen (15) days prior to commencement of such work. The request shall be submitted to the COR with the date, time, duration, and scope of the outage.

As supporting documentation for the request, the contractor is required to submit a contingency plan for all reasonably foreseen risks related to the contractor's performance of the work that would impact disrupted services in excess of the approved outage. This plan must demonstrate the following at a minimum.

1. Understanding of key personnel and communications methods to include phone numbers.
2. Analysis of reasonable risks during the contract work that would impact disrupted services in excess of the approved outage.
3. An effective recovery plan to restore minimum essential services in the event of these risks materializing.
4. Requested government support.

The government will similarly produce risk-based contingency plans for restoration of essential services caused by reasonably foreseen factors that are not related to the performance of the contract. In these cases, the government may request the contractor make additional preparations to support essential and high risk services. Such requests are considered within the scope of this contract but will be priced and negotiated via modification as conditions warrant.

Approvals will be issued by the Public Works Officer or his/her designee and transmitted via the COR.

#### 1.11 GOVERNMENTAL SAFETY REQUIREMENTS

December 20, 2020

Personal protective equipment (PPE) is governed in all areas by the nature of the work the employee is performing. Use personal hearing protection at all times in designated noise hazardous locations or when performing noise hazardous tasks. Safety glasses must be worn or carried/available on each person. Mandatory PPE includes: hard hats, long pants, appropriate safety shoes, and appropriate class reflective vest.

Comply with the Safety and Health Requirements Manual (EM 385-1-1), NFPA 70, NFPA 70E, NFPA 241, the Accident Prevention Plan (APP), the Activity Hazard Analysis (AHA), Federal and State OSHA regulations, and other related submittals and activity fire and safety regulations. The most stringent standard prevails.

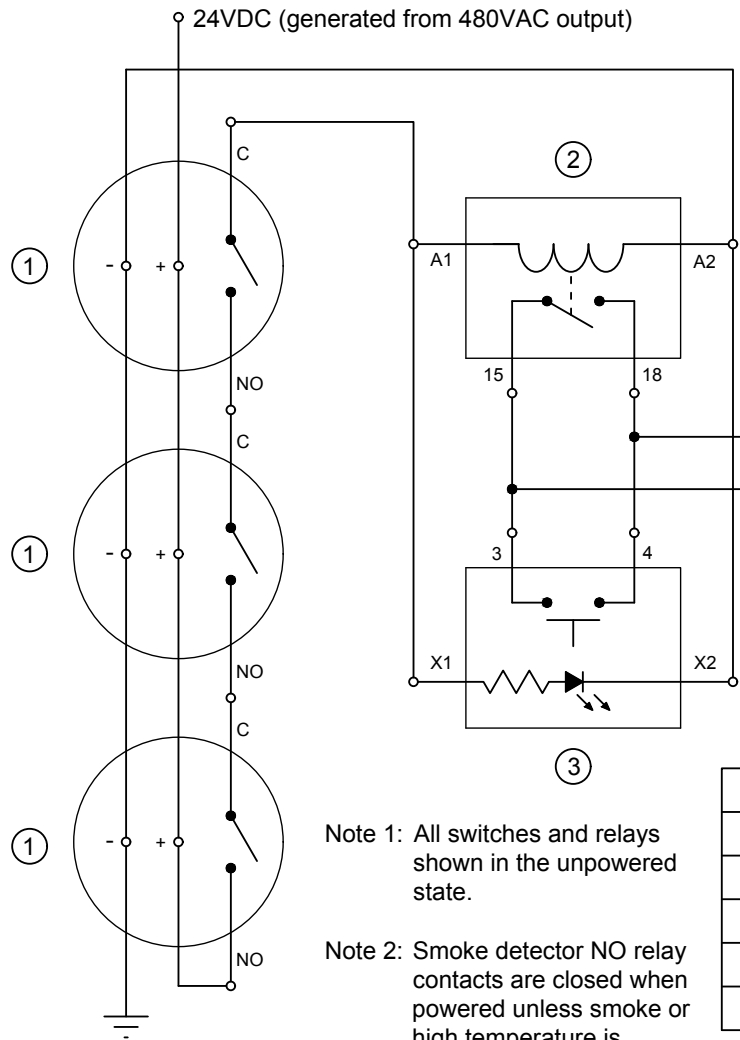
An APP in accordance with EM 385-1-1, Appendix A, is required.

An AHA in accordance with EM 385-1-1, Section 1, is required for each activity or task.

The contractor is responsible for any required permits.

#### 1.12 EXECUTION

If during the course of the work, conditions are encountered which are not covered in the contract or are different from conditions that would be reasonably anticipated, the contractor shall immediately notify the Contracting Officer. If such conditions are hazardous or the continuation of work would cause a hazardous condition to develop, the contractor shall stop work and proceed as directed by the Contracting Officer as directed by provisions contained in other sections of this specification. This may include modifications to, or the development of a new, Health and Safety Plan for this project, and alternate or additional appropriate abatement procedures.



Note 1: All switches and relays shown in the unpowered state.

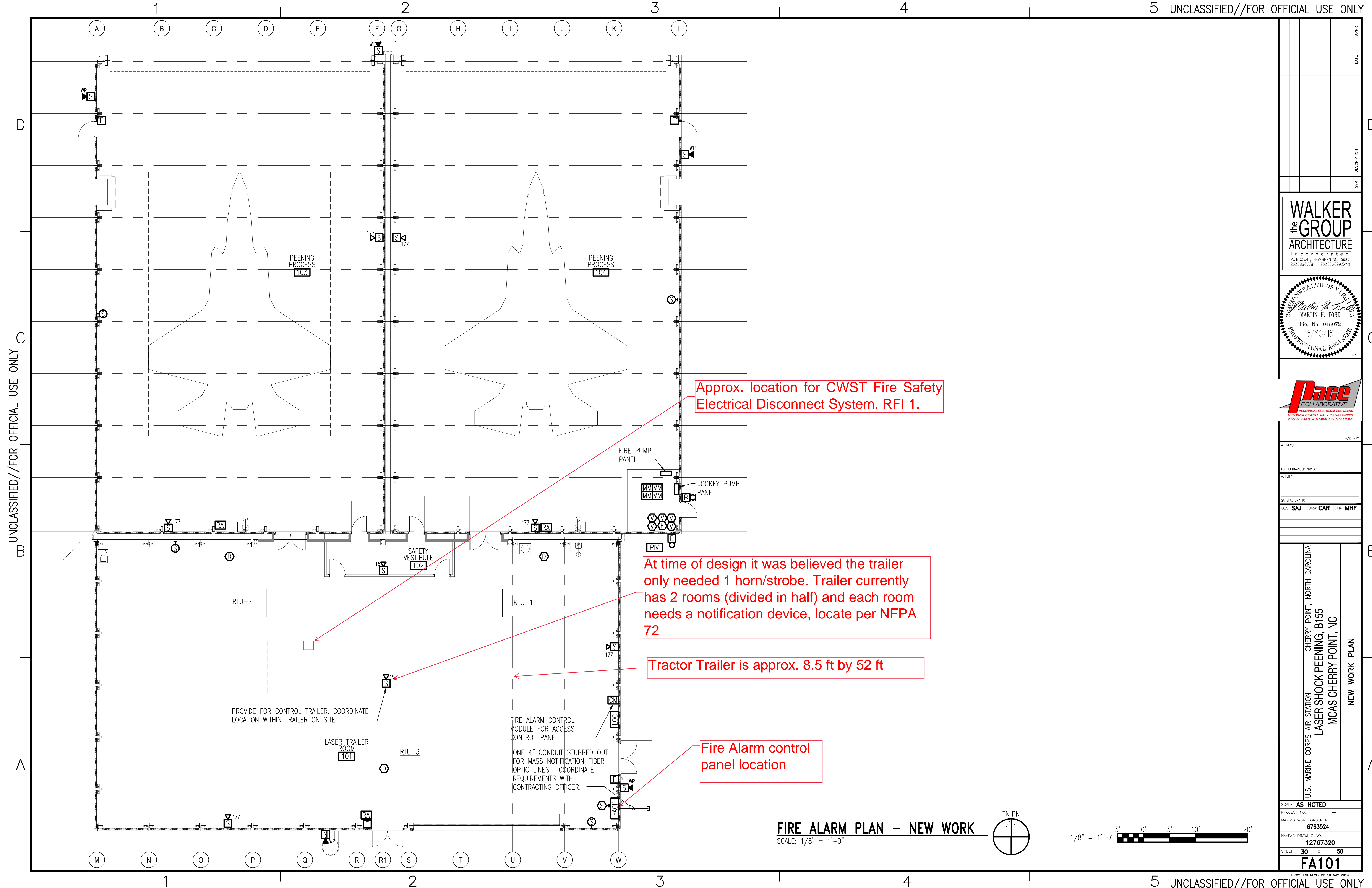
Note 2: Smoke detector NO relay contacts are closed when powered unless smoke or high temperature is detected.

REVISION			
LTR	DESCRIPTION	DATE	APPRV
A	Modified 480VAC contactor schematic, added fuse	06/11/2020	bd

ITEM	QTY	PART	DESCRIPTION
1	3	System Sensor 2WTR-B	24VDC smoke detector with relay
2	1	AutomationDirect AD-SSR810-DC-60R	Solid-state relay 3-32VDC in, 600VAC out
3	1	Eaton HT8A Series C1 A600 P600	Lighted momentary button 600VAC contacts
4	1	Schneider Electric LC1D150	3-phase relay, 150A at 440VAC per phase
5	1	ATD-R 1A 600VAC time-delay fuse	DIN rail-mounted UL Class CC midget fuse

APPROVALS		DATE	Curtiss-Wright Surface Technologies	
DRAWN	C. B. Dane	06 / 08 / 2020	Fire Safety Electrical Disconnect System	
CHECKED	S. P. Hall	06 / 09 / 2020		
			DRAWING NO.	20200608-01
				A

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Approx. location for CWST Fire Safety Electrical Disconnect System. RFI 1.

At time of design it was believed the trailer only needed 1 horn/strobe. Trailer currently has 2 rooms (divided in half) and each room needs a notification device, locate per NFPA 72

Tractor Trailer is approx. 8.5 ft by 52 ft

Fire Alarm control panel location

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**WALKER the GROUP ARCHITECTURE**  
 Incorporated  
 PO BOX 541, NEW BERN, NC 28563  
 252-636-8778 252-636-8929(FAX)

COMMONWEALTH OF VIRGINIA  
*Martin H. Ford*  
 MARTIN H. FORD  
 Lic. No. 048072  
 8/30/18  
 PROFESSIONAL ENGINEER

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U.S. MARINE CORPS AIR STATION  
 CHERRY POINT, NORTH CAROLINA  
 LASER SHOCK PEENING, B155  
 MCAS CHERRY POINT, NC  
 NEW WORK PLAN

SCALE: AS NOTED
PROJECT NO.:
MAXIMO WORK ORDER NO. 6763524
NAIFAC DRAWING NO. 12767320
SHEET 30 OF 50
<b>FA101</b>

**FIRE ALARM PLAN - NEW WORK**  
 SCALE: 1/8" = 1'-0"

