

PERFORMANCE WORK STATEMENT (PWS)
FTU TEMP TRAILERS COMM
PDPG172001B

**Proposed Temp Trailer Classroom and Office for FTU Project Communications Infrastructure
And Related Information Technology Equipment Installation**

1. GENERAL

1.1 This is a non-personnel services contract to build out the basic Communications Infrastructure and Related Information Technology Equipment Installation at the ANG facility located at March ARB. The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the Contractor who, in turn is responsible to the Government.

Description of Services/Introduction: The contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform installation of the communications infrastructure and information technology equipment as defined in this Performance Work Statement except for those items specified as government furnished property and services.

Background: The 163d Attack Wing is in the process of building a new facility for the FTU. A temporary Trailer will be located about 20 feet north of Building 2272. The facility will be occupied with personnel having a requirement to use various traditional telecommunication services (Voice and Network). To help facilitate installation of various information technologies, a telecommunications system, basic infrastructure is required to be installed in the new facility.

Objectives: Provide basic communications infrastructure and limited related information technology as noted in this Performance Work Statement.

Period of Performance: The period of performance shall be from 1 June 2017 through 30 August 2017.

2. QUALITY CONTROL

2.1 The contractor shall develop and maintain an effective quality control program to ensure services are performed in accordance with this PWS. The contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The contractor's quality control program is the means by which he assures himself that his work complies with the requirement of the contract. Quality control program should be delivered in writing with the proposal. After award of the contract, the contractor shall receive the contracting officer's acceptance in writing of any proposed change to his QC system.

2.2 Quality Assurance: The government shall evaluate the contractor's performance under this contract in accordance with the Quality Assurance Surveillance Plan. This plan is primarily focused on what the Government must do to ensure that the contractor has performed in accordance with the performance standards. It defines how the performance standards will be applied, the frequency of surveillance, and the minimum acceptable defect rate(s).

2.3 Recognized Holidays: Contractor is not required to accomplish work on the following recognized government official holidays.

New Year's Day
Martin Luther King Jr.'s Birthday
President's Day
Memorial Day
Independence Day

Labor Day
Columbus Day
Veteran's Day
Thanksgiving Day
Christmas Day

2.4 Hours of Operation: The contractor is responsible for conducting business, between the hours of 7:00 am to 5:00 pm Monday thru Friday except Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. For other than firm fixed price contracts, the contractor will not be reimbursed when the government facility is closed for the above reasons. The Contractor must at all times maintain an adequate workforce for the uninterrupted performance of all tasks defined within this PWS when the Government facility is not closed for the above reasons. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce are essential.

2.5. Place of Performance: The work to be performed under this contract will be performed at March ARB Northwest of building 1208 located in Moreno Valley, California.

2.6 PHYSICAL Security: The contractor shall be responsible for safeguarding all government equipment, information and property provided for contractor use. At the close of each work period, government facilities, equipment, and materials shall be secured.

2.7. Special Qualifications: All installers must be U.S. Citizens, no exceptions.

3. CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES

3.1 General: The Contractor shall furnish all supplies, equipment, labor and services required to perform work under this contract that are not listed under the General section of this PWS.

3.2 Materials. The Contractor shall provide at a minimum the following materials to support the install of the infrastructure to be included. (Larger items may be clarified by ANG representative)

- 300' – 12 strand (6 pair) exterior-rated breakout cable containing single mode fiber from Room 19 Comm room Bldg. 2272 to Temp Trailers (6 strands per wall mounted enclosure)
- 2 – Category 6 48 port Patch Panels with TIA/EIA 568A 8P8C connectors for the Office
- 1 – Category 6 24 port Patch Panel with TIA/EIA 568A 8P8C Connectors for the Office
- 2 – Category 6 48 port Patch Panel with TIA/EIA 568A 8P8C connectors for the classroom
- 300' – 1 Category 6 unshielded twisted-pair (UTP) cable (outdoor rated) run from Room 19 Comm room Bldg. 2272 to Temp Trailer office for Fax
- 14 – 1U horizontal cable management Panduit for wall mounted enclosures
- 1 – Set of Wire Minder and associated hardware for cable management
- 2 – 24U Wall Mounted Rack Enclosures for Office and Classroom
- 2 – APC UPS solutions with smart management and hot swappable batteries
- 2 – Horizontal PDU in each wall mounted enclosure
- 4 – WS-C2960X-48P Switches to be installed in each wall mounted enclosure
- 1 – WS-C2960X-24P Switch to be installed in wall mounted enclosure for office trailer
- 6 – Stacking cables for C2960X Switches
- 3 – Fiber Distribution Panels (1 in 2272 and 1 in each wall mounted enclosure) with SM SC polished on connectors or spliced on pre-terminated pigtails.
- 30 – Runs in Office Trailer to include 2 drops per station/run to each station from the office wall to the mounted enclosure
- 36 – Ceiling drops in Open Office area of Office Trailer to each desk/workstation to the mounted enclosure

2 – Runs in Meeting area of Office Trailer to the wall mounted enclosure to include 4-gang boxes (boxes for monitor recessed)

2 – 80" Sharp PN-E803 Monitors

1 – Run from printer to mounted enclosure in Open Office area

2 – Runs from printers to include 2 gang boxes per run from the classroom wall to wall mounted enclosure

18 – Runs in Classroom Trailer to include 4 drops per station/run to each station from the classroom wall mounted enclosure

2 – Runs in Classroom Trailer to include 2 gang recessed boxes per run from the classroom wall to wall mounted enclosure

Grounding Equipment for both Cabinets

2 - Peerless SmartMount Universal Tilt Wall Mount

2 - Cable runs from Floor box (Under podium) to recessed 4-gang wall mount

3.3. Information Technology Systems: The contractor shall provide the following information technology and power related systems.

a. None

3.4. Specialized Equipment: The Contractor shall provide the following required to accomplish installation of equipment and systems as identified in the PWS. These include lifts to reach high locations, specialized tools, and other associated equipment.

4. SPECIFIC TASKS

4.1 The contractor shall provide and accomplish the following actions

a) Communications Enclosure at Temp trailer office

1.) Install 1 24U Wall mounted rack enclosure

2.) Install all grounding equipment and maintain industry standards

3.) Install cable management as required.

4.) Break out 6 strands single mode fiber from 300' 12 strand (6 pair) fiber run from communications room into enclosure located at center of south wall of temp trailer office. Use Industry standard Telcordia GR-326.

i. Terminate both ends using mechanical SC Connector – trailer side to terminate in distribution wall mounted enclosures. Terminate Bldg. 2272 side to fiber distribution panel in

ii. Test each run to ensure it meets or exceeds the latest industry standard for minimum insertion loss

iii. Provide copy of each test

5.) Install 1 separate 300' category 6 run for Fax from Building 2272, Room 19 Comm Room, to printer location located next to wall mounted enclosure of temp trailer office. Install in communications outlet as 2nd port of outlet. Clearly mark port as fax line.

- 6.) Install 30 single-gang 2 jack boxes at each planned station/office in the proposed temp trailer office;
 - i. Install 2 cable runs to each station in temp trailer office
 - ii. Install each cable run using the TIA/EIA 568A standard.
- 7.) Install 36 ceiling drop runs at each planned station in the proposed open office area of temp trailer office
 - i. Install each cable run using the TIA/EIA 568A standard.
- 8.) Install 2 single-gang 2 jack boxes in Meeting area of Office Trailer to the wall mounted enclosure
 - i. Install floor drop for table including 2 cable runs
 - ii. Install recessed 2 single-gang 2 jack box by monitor including 2 cable runs
 - iii. Install each cable run using the TIA/EIA 568A standard
- 9.) Install 1 Run from printer to mounted enclosure in Open Office area as 1st port in communications outlet.
 - i. Install cable run using the TIA/EIA 568A standard
- b) Equipment/Systems Installation
 - 1.) Install APC UPS solutions with smart management and hot swappable batteries in each wall mounted enclosure
 - 2.) Install horizontal PDUs in each wall mounted enclosure
 - 3.) Install 2 WS-C2960X-48P Switches in each wall mounted enclosure and stack
 - 4.) Install 1 WS-C2960X-24P Switch in wall mounted enclosure inside office trailer
- c) Communications Enclosure at Temp trailer classroom
 - 1.) Install 1 24U Wall mounted rack enclosure
 - 2.) Ensure industry standards for grounding is maintained
 - 3.) Install cable management as required.
 - 4.) Break out 6 strands single mode fiber from 300' 12 strand (6 pair) fiber run from communications room into enclosure located at northeast corner of classroom 1. Use Industry standard Telcordia GR-326.
 - 5.) Install 18 single-gang 4 jack boxes at each planned classroom desk in the proposed temp trailer classroom;
 - i. Install 4 cable runs to each station in temp trailer classroom
 - ii. Install each cable run using the TIA/EIA 568A standard.
 - 6.) Install 2 single-gang 2 jack boxes (recessed boxes) at each monitor from the classroom wall to wall mounted enclosure
 - i. Install 2 cable runs to each station in temp trailer classroom
 - ii. Install each cable run using the TIA/EIA 568A standard.

- 7.) Install 2 single-gang 2 jack boxes from printers from the classroom wall to wall mounted enclosure
 - i. Install 2 cable runs to each station in temp trailer office
 - ii. Install each cable run using the TIA/EIA 568A standard.
- 8.) Install 2 single gang single port floor boxes (1 per classroom) for instructor station including 1 cable run each.

5. CONTRACTING OFFICER REPRESENTATIVE (COR)

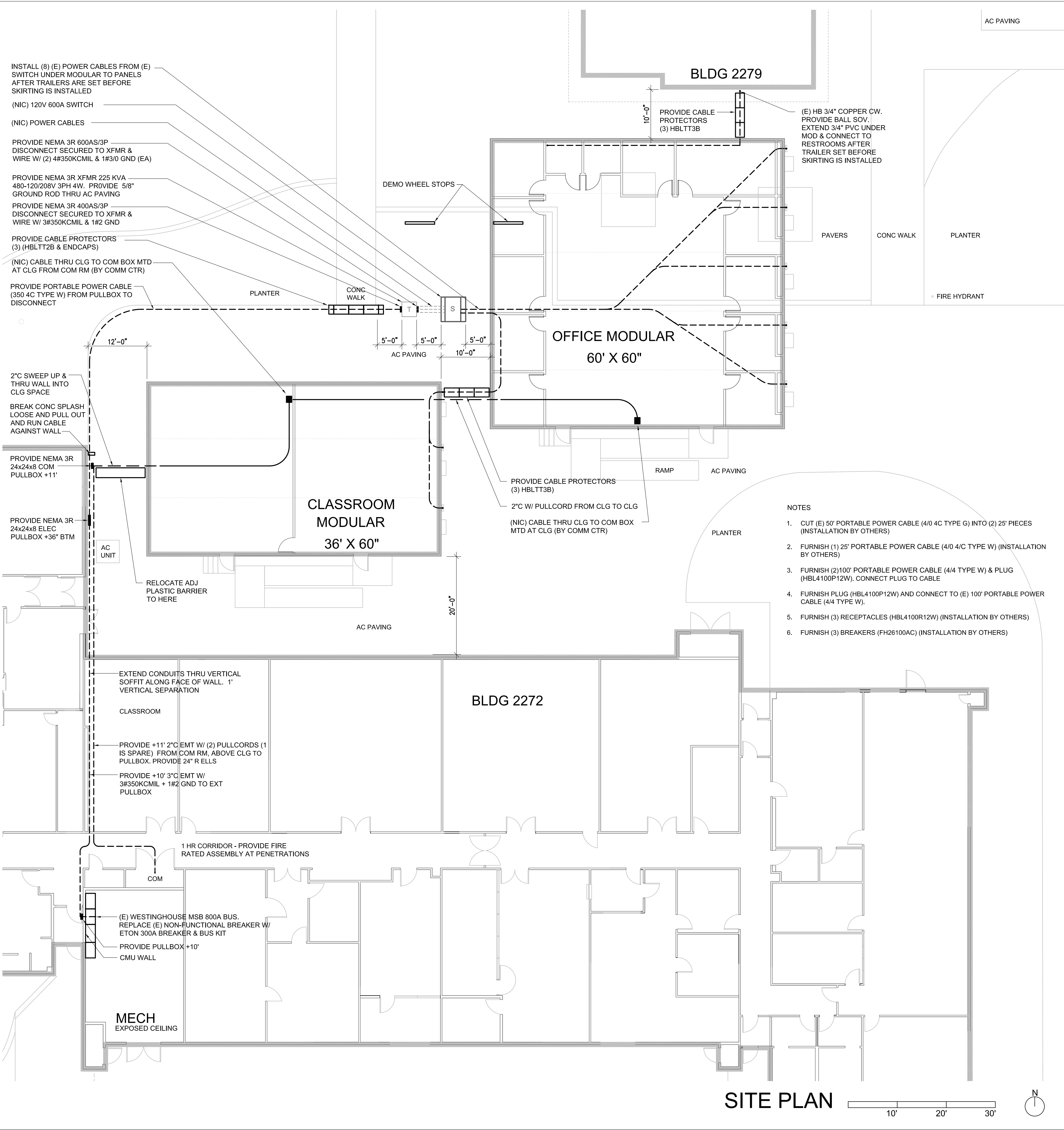
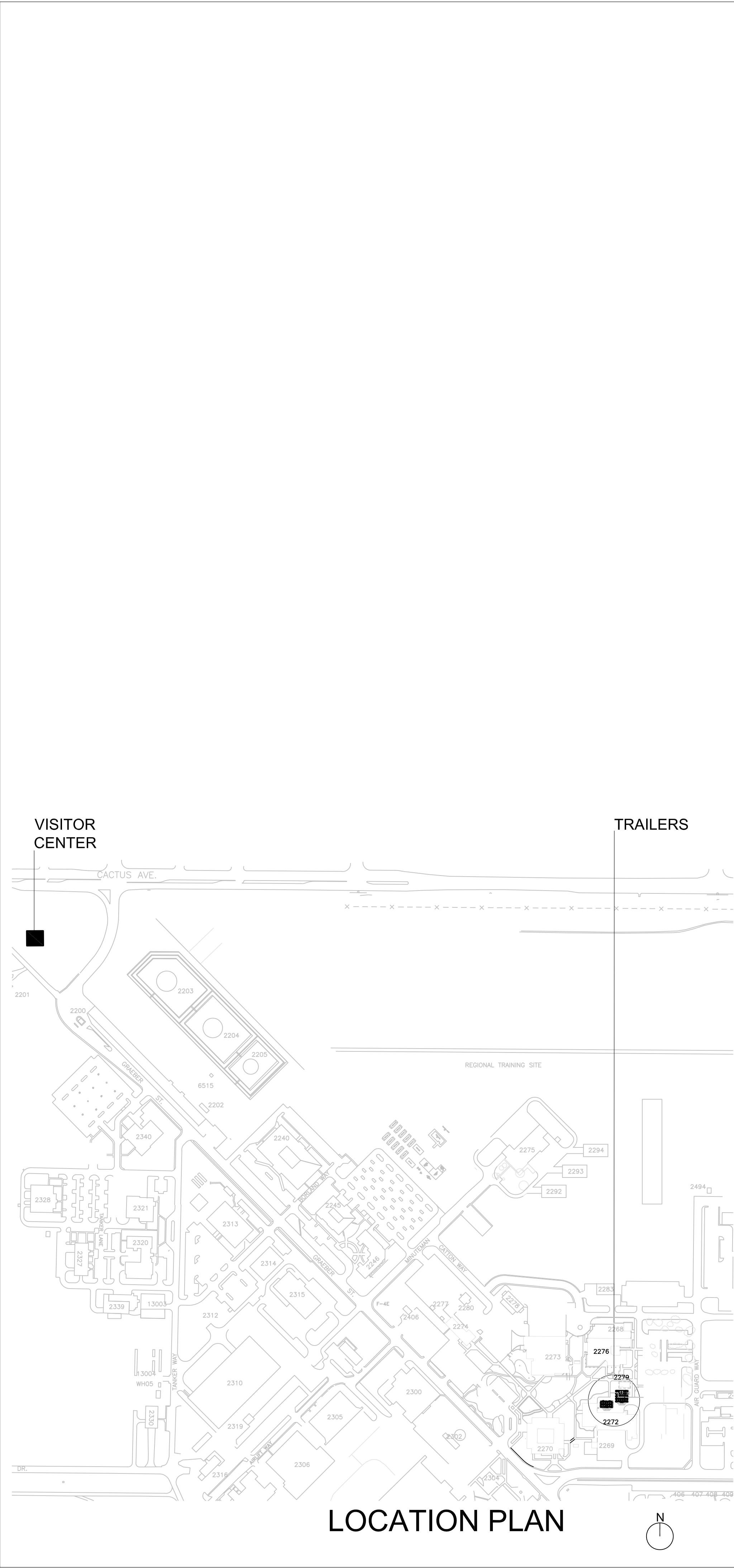
5.1 The (COR) will be identified by separate letter. The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract: perform inspections necessary in connection with contract performance: maintain written and oral communications with the Contractor concerning technical aspects of the contract: issue written interpretations of technical requirements, including Government drawings, designs, specifications: monitor Contractor's performance and notifies both the Contracting Officer and Contractor of any deficiencies; coordinate availability of government furnished property, and provide site entry of Contractor personnel. A letter of designation issued to the COR, a copy of which is sent to the Contractor, states the responsibilities and limitations of the COR, especially with regard to changes in cost or price, estimates or changes in delivery dates. The COR is not authorized to change any of the terms and conditions of the resulting order.

6. APPLICABLE PUBLICATIONS (CURRENT EDITIONS)

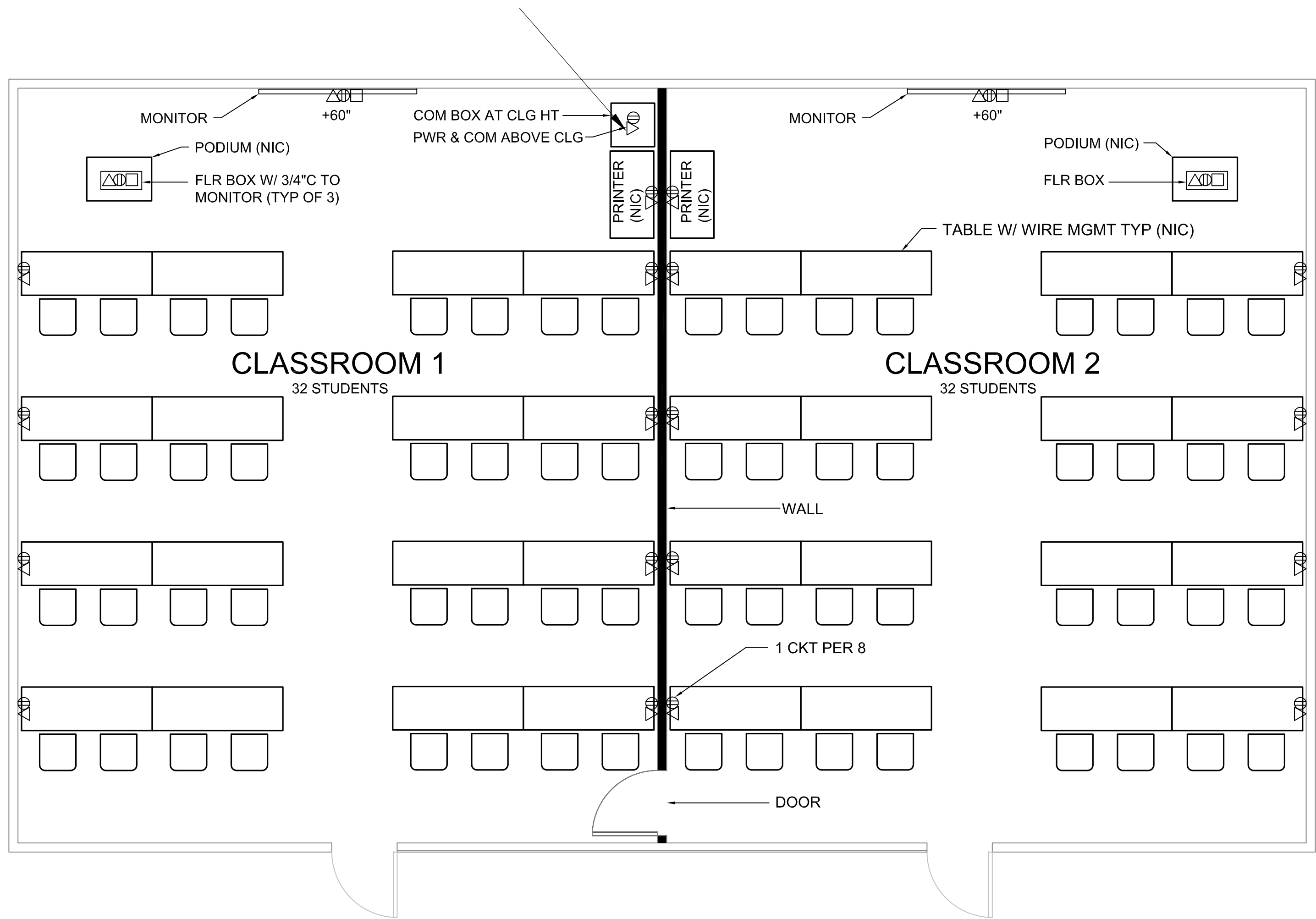
6.1. The Contractor must abide by all applicable regulations, publications, manuals, and local policies and procedures.

7. ATTACHMENT/TECHNICAL EXHIBIT LIST

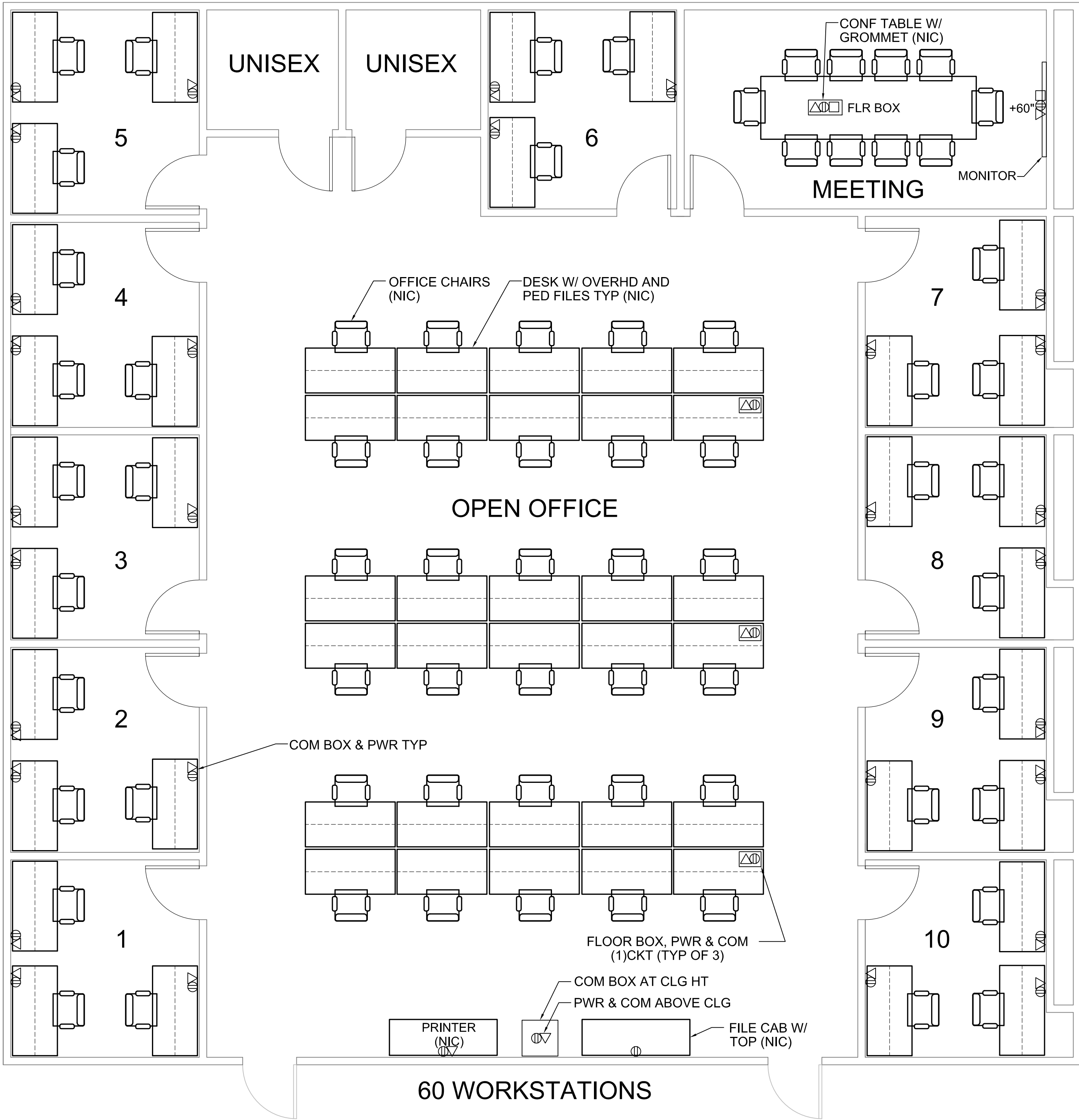
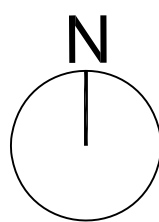
7.1 DRAWINGS



- NOTES
1. CUT (E) 50' PORTABLE POWER CABLE (4/0 4C TYPE G) INTO (2) 25' PIECES (INSTALLATION BY OTHERS)
 2. FURNISH (1) 25' PORTABLE POWER CABLE (4/0 4C TYPE W) (INSTALLATION BY OTHERS)
 3. FURNISH (2)100' PORTABLE POWER CABLE (4/4 TYPE W) & PLUG (HBL4100P12W), CONNECT PLUG TO CABLE
 4. FURNISH PLUG (HBL4100P12W) AND CONNECT TO (E) 100' PORTABLE POWER CABLE (4/4 TYPE W).
 5. FURNISH (3) RECEPTACLES (HBL4100R12W) (INSTALLATION BY OTHERS)
 6. FURNISH (3) BREAKERS (FH26100AC) (INSTALLATION BY OTHERS)



CLASSROOM FLOOR PLAN



OFFICE FLOOR PLAN

