



**Appalachian State University**

**Request for Proposal #: 55-032724**

**Hickory Phase 2a Fall Semester 2024**

**Date Issued: March 27, 2024**

**Proposal Opening Date: April 30, 2024**

**At 2:00 PM ET**

**Direct all inquiries concerning this RFP to:**

Lori Brown

Purchasing Specialist

Email: [brownlg2@appstate.edu](mailto:brownlg2@appstate.edu)

PH: 828-262-8130



## STATE OF NORTH CAROLINA

### Request for Proposal #

**55-032724**

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For internal State agency processing, including tabulation of proposals, provide your company's eVP (Electronic Vendor Portal) Number. Pursuant to G.S. 132-1.10(b) this identification number shall not be released to the public. **This page will be removed and shredded, or otherwise kept confidential**, before the procurement file is made available for public inspection.

**This page shall be filled out and returned with your proposal.  
Failure to do so may subject your proposal to rejection.**

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Vendor Name

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Vendor eVP#

Note: For a contract to be awarded to you, your company (you) must be a North Carolina registered vendor in good standing. You must enter the vendor number assigned through eVP (Electronic Vendor Portal). If you do not have a vendor number, register at <https://vendor.ncgov.com/vendor/login>

**Electronic responses ONLY will be accepted for this solicitation.**

**STATE OF NORTH CAROLINA**  
**Appalachian State University**

Refer <u>ALL</u> Inquiries regarding this RFP to: <b>Lori Brown</b> <a href="mailto:brownlg2@appstate.edu">brownlg2@appstate.edu</a> <b>Ph: 828-262-8130</b>	<b>Request for Proposal # 55-032724</b>
	<b>Proposals will be publicly opened: April 30, 2024</b>
<b>Using Agency:</b>	<b>Commodity Description: Hickory Phase 2a Fall Semester 2024</b>
<b>Requisition No.:</b>	

**EXECUTION**

In compliance with this Request for Proposal (RFP), and subject to all the conditions herein, the undersigned Vendor offers and agrees to furnish and deliver any or all items upon which prices are bid, at the prices set opposite each item within the time specified herein.

By executing this proposal, the undersigned Vendor understands that false certification is a Class I felony and certifies that:

- this proposal is submitted competitively and without collusion (G.S. 143-54),
- that none of its officers, directors, or owners of an unincorporated business entity has been convicted of any violations of Chapter 78A of the General Statutes, the Securities Act of 1933, or the Securities Exchange Act of 1934 (G.S. 143-59.2), and
- it is not an ineligible Vendor as set forth in G.S. 143-59.1.

Furthermore, by executing this proposal, the undersigned certifies to the best of Vendor’s knowledge and belief, that:

- it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal or State department or agency.

As required by G.S. 143-48.5, the undersigned Vendor certifies that it, and each of its sub-Contractors for any Contract awarded as a result of this RFP, complies with the requirements of Article 2 of Chapter 64 of the NC General Statutes, including the requirement for each employer with more than 25 employees in North Carolina to verify the work authorization of its employees through the federal E-Verify system.

As required by Executive Order 24 (2017), the undersigned vendor certifies will comply with all Federal and State requirements concerning fair employment and that it does not and will not discriminate, harass, or retaliate against any employee in connection with performance of any Contract arising from this solicitation.

G.S. 133-32 and Executive Order 24 (2009) prohibit the offer to, or acceptance by, any State Employee associated with the preparing plans, specifications, estimates for public Contract; or awarding or administering public Contracts; or inspecting or supervising delivery of the public Contract of any gift from anyone with a Contract with the State, or from any person seeking to do business with the State. By execution of this response to the RFP, the undersigned certifies, for Vendor’s entire organization and its employees or agents, that Vendor are not aware that any such gift has been offered, accepted, or promised by any employees or agents of Vendor’s organization.

By executing this proposal, Vendor certifies that it has read and agreed to the **INSTRUCTION TO VENDORS** and the **NORTH CAROLINA GENERAL TERMS AND CONDITIONS incorporated herein**. These documents can be accessed from the ATTACHMENTS page within this document.

**Failure to execute/sign proposal prior to submittal may render proposal invalid and it MAY BE REJECTED. Late proposals cannot be accepted.**

COMPLETE/FORMAL NAME OF VENDOR:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO VENDORS ITEM #21):		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR:	FAX NUMBER:	

Proposal Number: 55-032724

Vendor: \_\_\_\_\_

VENDOR'S AUTHORIZED SIGNATURE:	DATE:	E-MAIL:
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**VALIDITY PERIOD**

Offer shall be valid for at least sixty (60) days from date of bid opening, unless otherwise stated here: \_\_\_\_\_ days, or if extended by mutual agreement of the parties in writing. Any withdrawal of this offer shall be made in writing, effective upon receipt by the agency issuing this RFP.

**ACCEPTANCE OF PROPOSAL**

If your proposal is accepted, all provisions of this RFP, along with the written results of any negotiations, shall constitute the written agreement between the parties ("Contract"). The NORTH CAROLINA GENERAL TERMS AND CONDITIONS are incorporated herein and shall apply. Depending upon the Goods or Services being offered, other terms and conditions may apply, as mutually agreed.

<p><b><u>FOR STATE USE ONLY:</u></b> Offer accepted and Contract awarded this ____ day of _____, 20____, as indicated on the attached certification, by _____</p> <p><b>(Authorized Representative of Appalachian State University)</b></p>
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**1.0 PURPOSE AND BACKGROUND .....5**

Hickory Phase 2a 2224, 2221 and Hickory 2a Alternate Computer LAB 2120 proposals shall be submitted in accordance with the terms and conditions of this RFP and any addenda issued hereto....5

CONTRACT TERM.....5

**2.0 GENERAL INFORMATION.....5**

2.1 REQUEST FOR PROPOSAL DOCUMENT .....5

2.2 E-PROCUREMENT FEE .....5

2.3 NOTICE TO VENDORS REGARDING RFP TERMS AND CONDITIONS .....5

2.5 RFP SCHEDULE .....6

2.7 PROPOSAL QUESTIONS .....6

2.8 PROPOSAL SUBMITTAL .....7

2.9 PROPOSAL CONTENTS .....7

2.10 ALTERNATE PROPOSALS .....8

2.11 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS .....8

**3.0 METHOD OF AWARD AND PROPOSAL EVALUATION PROCESS .....8**

3.1 METHOD OF AWARD .....8

3.2 CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION .....9

3.3 PROPOSAL EVALUATION PROCESS .....9

3.4 EVALUATION CRITERIA .....10

- Level of quality provided by the Vendor/quality of product and prototypes .....10
- Total cost to the State .....10
- Timeliness – Adherence to project timeline and completion date. ....10
- Adherence to published specifications herein .....10

3.6 INTERPRETATION OF TERMS AND PHRASES .....10

**4.0 REQUIREMENTS .....10**

4.1 PRICING .....10

4.2 TRANSPORTATION AND IDENTIFICATION .....11

4.3 DELIVERY AND INSTALLATION .....11

4.4 AUTHORIZED RESELLER .....11

4.5 WARRANTY .....11

4.6 DESCRIPTIVE LITERATURE .....12

4.7 HUB PARTICIPATION .....12

4.8 VENDOR EXPERIENCE .....12

4.9 REFERENCES .....12

4.10 VENDOR’S REPRESENTATIONS .....12

4.11 QUESTIONS TO VENDORS .....13

4.12 FINANCIAL STABILITY .....13

4.13 AGENCY INSURANCE REQUIREMENTS MODIFICATION .....13

**5.0 PRODUCT SPECIFICATIONS AND SCOPE OF WORK .....14**

5.1 TECHNICAL APPROACH .....15

5.3 CERTIFICATION AND SAFETY LABELS .....15

**6.0 CONTRACT ADMINISTRATION .....15**

6.2 POST AWARD PROJECT REVIEW MEETINGS .....16

6.3 CONTINUOUS IMPROVEMENT .....16

6.4 ACCEPTANCE OF WORK .....16

6.6 INVOICES .....16

6.7 DISPUTE RESOLUTION .....16

6.8 CONTRACT CHANGES .....17

**7.0 ATTACHMENTS.....18**

**ATTACHMENT A: COST PROPOSAL.....18**

**ATTACHMENT B: INSTRUCTIONS TO VENDORS.....18**

**ATTACHMENT C: NORTH CAROLINA GENERAL TERMS & CONDITIONS .....18**

**ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION .....18**

**ATTACHMENT E: CUSTOMER REFERENCE FORM .....18**

**ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR .....18**

**ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION .....19**

**ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING.....19**

**ATTACHMENT I: FLOOR PLAN AND SPECS ATTACHED.....20**

## 1.0 PURPOSE AND BACKGROUND

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Hickory Phase 2a 2224, 2221 and Hickory 2a Alternate Computer LAB 2120 proposals shall be submitted in accordance with the terms and conditions of this RFP and any addenda issued hereto.

### CONTRACT TERM

The Contract shall have an initial term of one (1) years, beginning on the date of final Contract execution (the “Effective Date”).

## 2.0 GENERAL INFORMATION

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### 2.1 REQUEST FOR PROPOSAL DOCUMENT

The RFP is comprised of the base RFP document, any attachments, and any addenda released before Contract award, which are incorporated herein by reference.

### 2.2 E-PROCUREMENT FEE

**ATTENTION: The E-Procurement fee may apply to this solicitation. See paragraph entitled ELECTRONIC PROCUREMENT of the North Carolina General Terms and Conditions.**

General information on the E-Procurement Services can be found at: <http://eprocurement.nc.gov/>.

### 2.3 NOTICE TO VENDORS REGARDING RFP TERMS AND CONDITIONS

It shall be the Vendor’s responsibility to read the Instructions to Vendors, the North Carolina General Terms and Conditions, all relevant exhibits and attachments, and any other components made a part of this RFP and comply with all requirements and specifications herein. Vendors also are responsible for obtaining and complying with all Addenda and other changes that may be issued in connection with this RFP.

If Vendors have questions or issues, regarding any component within this RFP, those must be submitted as questions in accordance with the instructions in the PROPOSAL QUESTIONS Section. If the State determines that any changes will be made as a result of the questions asked, then such decisions will be communicated in the form of an RFP addendum. The State may also elect to leave open the possibility for later negotiation of specific provisions of the Contract that have been addressed during the question-and-answer period, prior to contract award.

Other than through the process of negotiation under 01 NCAC 05B.0503, the State rejects and will not be required to evaluate or consider any additional or modified terms and conditions submitted with Vendor’s proposal. This applies to any language appearing in or attached to the document as part of the Vendor’s proposal that purports to vary any terms and conditions or Vendors’ instructions herein or to render the proposal non-binding or subject to further negotiation. Vendor’s proposal shall constitute a firm offer that shall be held open for the period required herein (“Validity Period” above).

**The State may exercise its discretion to consider Vendor proposed modifications. By execution and delivery of this RFP Response, the Vendor agrees that any additional or modified terms and conditions, whether submitted purposely or inadvertently, shall have no force or effect, and will be disregarded unless expressly agreed upon through negotiation and incorporated by way of a Best and Final Offer (BAFO) . Noncompliance with, or any attempt to alter or delete, this paragraph shall constitute sufficient grounds to reject Vendor’s proposal as nonresponsive.**

**2.5 RFP SCHEDULE**

The table below shows the *intended* schedule for this RFP. The State will make every effort to adhere to this schedule.

Event	Responsibility	Date and Time
Issue RFP	State	March 27, 2024
Optional Site Visit	State/Vendor	April 10, 2024, 9:00am – 11:00am
Submit Written Questions	Vendor	April 17, 2024, by 5 P.M. EST
Provide Responses to Questions	State	April 18, 2024, by 5 P.M. EST
Submit Proposals	Vendor	April 30, 2024, by 2 P.M. EST
Contract Award	State	May 07, 2024
Contract Effective Date	State	TBD

**2.6 Urged and Cautioned Site Visit**

Date: April 10, 2024  
 Time: 10:00 AM Eastern Time  
 Location: Hickory Campus  
 800 17<sup>th</sup> St. NW  
 Hickory, NC 28601  
 Contact #: Garry Powell, [powellgs@appstate.edu](mailto:powellgs@appstate.edu)  
 Vendors to notify Garry Powell if attending.

**Instructions:** Vendor representatives are URGED and CAUTIONED to visit the site and apprise themselves of the conditions and requirements which will affect the performance of the work called for by this RFP. A non-mandatory site visit is scheduled for this RFP. Submission of a proposal shall constitute sufficient evidence of this compliance and no allowance will be made for unreported conditions which a prudent Vendor would recognize as affecting the performance of the work called for in this RFP.

Vendor is cautioned that any information released to attendees during the site visit, other than that involving the physical aspects of the facility referenced above, and which conflicts with, supersedes, or adds to requirements in this RFP, must be confirmed by written addendum before it can be considered to be a part of this RFP and any resulting contract.

**2.7 PROPOSAL QUESTIONS**

Upon review of the RFP documents, Vendors may have questions to clarify or interpret the RFP in order to submit the best proposal possible. To accommodate the Proposal Questions process, Vendors shall submit any such questions by the “Submit Written Questions” date and time provided in the RFP SCHEDULE Section above, unless modified by Addendum.

Written questions shall be e-mailed to [brownlg2@appstate.edu](mailto:brownlg2@appstate.edu) by the date and time specified above. Vendors will enter “RFP #55-032724 Questions” as the subject for the email. Question submittals will include a reference to the applicable RFP section and be submitted in a format shown below:

Reference	Vendor Question
RFP Section, Page Number	Vendor question ...?

Questions received prior to the submission deadline date, the State’s response, and any additional terms deemed necessary by the State will be posted in the form of an addendum to **electronic Vendor Portal (eVP)**, <https://evp.nc.gov> and shall become an Addendum to this RFP. No information, instruction or advice provided orally or informally by any State personnel,



whether made in response to a question or otherwise in connection with this RFP, shall be considered authoritative or binding. Vendors shall rely *only* on written material contained in an Addendum to this RFP.

## 2.8 PROPOSAL SUBMITTAL

**IMPORTANT NOTE: This is an absolute requirement.** Late bids, regardless of cause, will not be opened or considered, and will be automatically disqualified from further consideration. Vendor shall bear the sole risk of late submission due to unintended or unanticipated delay. It is the Vendor's sole responsibility to ensure its proposal has been received as described in this RFP by the specified time and date of opening. The date and time of receipt will be marked on each proposal when received. Any proposal or portion thereof received after the proposal submission deadline will be rejected.

## eVP

If applicable to this RFP and using eVP, all proposal responses shall be submitted electronically via the electronic Vendor Portal (eVP). Additional information can be found at the eVP updates for Vendors link: <https://eprocurement.nc.gov/news-events/evp-updates-vendors>.

If confidential and proprietary information is included in the proposal, also submit one (1) signed, REDACTED copy of the proposal. Such information may include trade secrets defined by N.C. Gen. Stat. § 66-152 and other information exempted from the Public Records Act pursuant to N.C. Gen. Stat. §132- 1.2. Vendor may designate information, Products, Services or appropriate portions of its response as confidential, consistent with and to the extent permitted under the statutes and rules set forth above. By so redacting any page, or portion of a page, the Vendor warrants that it has formed a good faith opinion, having received such necessary or proper review by counsel and other knowledgeable advisors, that the portions determined to be confidential and proprietary and redacted as such, meet the requirements of the Rules and Statutes set forth above. However, under no circumstances shall price information be designated as confidential.

If the Vendor does not provide a redacted version of the proposal with its proposal submission, the Department may release an unredacted version if a record request is received.

Failure to submit a proposal in strict accordance with these instructions shall constitute sufficient cause to reject a Vendor's proposal(s). Vendors are strongly encouraged to allow sufficient time to upload proposals.

Critical updated information may be included in Addenda to this RFP. It is important that all Vendors responding on this RFP periodically check the State's eVP website for any Addenda that may be issued prior to the proposal opening date. All Vendors shall be deemed to have read and understood all information in this RFP and all Addenda thereto.

## 2.9 PROPOSAL CONTENTS

Vendors shall populate all attachments of this RFP that require the Vendor to provide information and include an authorized signature where requested. Failure to provide all required items, or Vendor's submission of incomplete items, may result in the State rejecting Vendor's proposal, in the State's sole discretion.

Vendor RFP responses shall include the following items and attachments, which shall be arranged in the following order:

- a) Cover Letter, which must contain the following: (i) a statement that confirms that the Vendor has read the RFP in its entirety, including all links, and all Addenda released in conjunction with the RFP, (ii) a statement that the Vendor agrees to perform in accordance with the scope of work, requirements, and specifications contained herein; and (iii) Vendor's agreement to comply with all instructions, terms and conditions, and attachments.
- b) Title Page: Include the company name, address, phone number and authorized representative along with the Proposal Number.
- c) Completed and signed version of EXECUTION PAGES, along with the body of the RFP.
- d) Signed receipt pages of any addenda released in conjunction with this RFP, if required to be returned.

- e) Vendor's Proposal addressing all Specifications of this RFP. *[Indicate relative section references as a guide to responding to sections requiring additional responses outside of the solicitation document. If not required, delete.]*
- f) Completed version of ATTACHMENT A: PRICING
- g) Completed version of ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION
- h) Completed version of ATTACHMENT E: CUSTOMER REFERENCE FORM
- i) Completed version of ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR
- j) Completed and signed version of ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION
- k) Completed and signed version of ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING, if applicable
- l) Completed and signed version of CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS and OMB STANDARD FORM LLL

## 2.10 ALTERNATE PROPOSALS

Unless provided otherwise in this RFP, Vendor may submit alternate proposals for comparable Goods, various methods or levels of Service(s), or that propose different options. Alternate proposals must specifically identify the RFP requirements and advantage(s) addressed by the alternate proposal. Any alternate proposal, in addition to the marking described above, must be clearly marked with the legend: "Alternate Proposal #55-101923A for 'name of Vendor'". Each proposal must be for a specific set of Goods and Services and must include specific pricing. If a Vendor chooses to respond with various offerings, each must be offered with a separate price and be contained in a separate proposal. Each proposal must be complete and independent of other proposals offered.

## 2.11 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

Relevant definitions for this RFP are provided in 01 NCAC 05A .0112 and in the Instructions to Vendors found below which are incorporated herein by this reference.

## 3.0 METHOD OF AWARD AND PROPOSAL EVALUATION PROCESS

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### 3.1 METHOD OF AWARD

North Carolina G.S. 143-52 provides a general list of criteria the State shall use to award contracts, as supplemented by the additional criteria herein. The Goods or Services being procured shall dictate the application and order of criteria; however, all award decisions shall be in the State's best interest. All qualified proposals will be evaluated, and awards will be made to the Vendor(s) meeting the specific RFP Specifications and achieving the highest and best final evaluation, based on the criteria described below.

While the intent of this RFP is to award a Contract(s) to a single Vendor for all line items, the State reserves the right to make separate awards to different Vendors for one or more line items, to not award one or more line items or to cancel this RFP in its entirety without awarding a Contract, if it is considered to be most advantageous to the State to do so.

If a Vendor selected for award is determined by the State to be a non-resident of North Carolina, all responsive proposals will be reviewed to determine if any of them were submitted by a North Carolina resident Vendor who requested an opportunity to match the price of the winning proposal, pursuant to Executive Order #50 and G.S. 143-59 (for more information, please refer to ATTACHMENT H: VENDOR REQUEST FOR EXECUTIVE ORDER #50 PRICE MATCHING. If such proposals(s) are identified, the State will then determine whether any such proposal falls within the price-match range, and, if so, make a Contract award in accordance with the process that implements G.S. 143-59 and Executive Order #50.

The State reserves the right to waive any minor informality or technicality in proposals received.

### **3.2 CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION**

While this RFP is under evaluation, the responding Vendor, including any subcontractors and suppliers, is prohibited from engaging in conversations intended to influence the outcome of the evaluation. See the Paragraph 29 of the Instructions To Vendors entitled COMMUNICATIONS BY VENDORS.

Each Vendor submitting a proposal to this RFP, including its employees, agents, subcontractors, suppliers, subsidiaries and affiliates, is prohibited from having any communications with any person inside or outside the using agency; issuing agency; other government agency office or body (including the purchaser named above, any department secretary, agency head, members of the General Assembly and Governor’s office); or private entity, if the communication refers to the content of Vendor’s proposal or qualifications, the content of another Vendor’s proposal, another Vendor’s qualifications or ability to perform a resulting contract, and/or the transmittal of any other communication of information that could be reasonably considered to have the effect of directly or indirectly influencing the evaluation of proposals, the award of a contract, or both.

Any Vendor not in compliance with this provision shall be disqualified from evaluation and award. A Vendor’s proposal may be disqualified if its subcontractor and/or supplier engage in any of the foregoing communications during the time that the procurement is active (*i.e.*, the issuance date of the procurement until the date of contract award or cancellation of the procurement). Only those discussions, communications or transmittals of information authorized or initiated by the issuing agency for this RFP or inquiries directed to the purchaser named in this RFP regarding requirements of the RFP (prior to proposal submission) or the status of the award (after submission) are excepted from this provision.

### **3.3 PROPOSAL EVALUATION PROCESS**

Only responsive submissions will be evaluated.

#### **The State will conduct a One-Step evaluation of Proposals:**

Proposals will be received according to the method stated in the Proposal Submittal Section above.

All proposals must be received by the issuing agency not later than the date and time specified in the RFP SCHEDULE Section above, unless modified by Addendum. Vendors are cautioned that this is a request for offers, not an offer or request to contract, and the State reserves the unqualified right to reject any and all offers at any time if such rejection is deemed to be in the best interest of the State.

At the date and time provided in the RFP SCHEDULE Section above, unless modified by Addendum, the proposal from each responding Vendor will be opened publicly and all offers (except those that have been previously withdrawn, or voided bids) will be tabulated. The tabulation shall be made public at the time it is created. When negotiations after receipt of bids is authorized pursuant to G.S. 143-49 and 01 NCAC 05B.0503, only the names of offerors and the Goods and Services offered shall be tabulated at the time of opening. If negotiation is anticipated, cost and price shall become available for public inspection at the time of the award. Interested parties are cautioned that these costs and their components are subject to further evaluation for completeness and correctness and therefore may not be an exact indicator of a Vendor’s pricing position.

At their option, the evaluators may request oral presentations or discussions with any or all Vendors for clarification or to amplify the materials presented in any part of the proposal. Vendors are cautioned, however, that the evaluators are not required to request presentations or other clarification—and often do not. Therefore, all proposals should be complete and reflect the most favorable terms available from the Vendor.

The State reserves the right to negotiate with one or more vendors, or to reject all original offers and negotiate with one or more sources of supply that may be capable of satisfying the requirement, and in either case to require Vendor to submit a Best and Final Offer (BAFO) based on discussions and negotiations with the State.

### 3.4 EVALUATION CRITERIA

All qualified proposals will be evaluated, and award made based on considering the following criteria listed in descending order of importance, to result in an award most advantageous to the State:

- Level of quality provided by the Vendor/quality of product and prototypes
- Total cost to the State
- Timeliness – Adherence to project timeline and completion date.
- Adherence to published specifications herein

### 3.5 PERFORMANCE OUTSIDE THE UNITED STATES

Vendor shall complete ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR. In addition to any other evaluation criteria identified in this RFP, the State may also consider, for purposes of evaluating proposed or actual contract performance outside of the United States, how that performance may affect the following factors to ensure that any award will be in the best interest of the State:

- a) Total cost to the State
- b) Level of quality provided by the Vendor
- c) Process and performance capability across multiple jurisdictions
- d) Protection of the State’s information and intellectual property
- e) Availability of pertinent skills
- f) Ability to understand the State’s business requirements and internal operational culture
- g) Particular risk factors such as the security of the State’s information technology
- h) Relations with citizens and employees
- i) Contract enforcement jurisdictional issues

### 3.6 INTERPRETATION OF TERMS AND PHRASES

This RFP serves two functions: (1) to advise potential Vendors of the parameters of the solution being sought by the State; and (2) to provide (together with other specified documents) the terms of the Contract resulting from this procurement. The use of phrases such as “shall,” “must,” and “requirements” are intended to create enforceable contract conditions. In determining whether proposals should be evaluated or rejected, the State will take into consideration the degree to which Vendors have proposed or failed to propose solutions that will satisfy the State’s needs as described in the RFP. Except as specifically stated in the RFP, no one requirement shall automatically disqualify a Vendor from consideration. However, failure to comply with any single requirement may result in the State exercising its discretion to reject a proposal in its entirety.

## 4.0 REQUIREMENTS

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This Section lists the requirements related to this RFP. By submitting a proposal, the Vendor agrees to meet all stated requirements in this Section, as well as any other specifications, requirements, and terms and conditions stated in this RFP. If a Vendor is unclear about a requirement or specification, or believes a change in a requirement would allow for the State to receive a better proposal, the Vendor is encouraged to submit these items in the form of a question during the question-and-answer period in accordance with the Proposal Questions Section above.

### 4.1 PRICING

Proposal price shall constitute the total cost to the State for complete performance in accordance with the requirements and specifications herein, including all applicable charges for handling, transportation, administrative and other similar fees. Complete ATTACHMENT A: PRICING FORM and include in Vendor’s proposal.

**4.2 TRANSPORTATION AND IDENTIFICATION**

The Vendor shall deliver Free-On-Board (FOB) Destination to any requested location within the State of North Carolina with all transportation costs and fees included in the total proposal price.

When an order is placed using a purchase order, the purchase order number shall be shown on all packages and shipping manifests to ensure proper identification and payment of invoices. If an order is placed without using a purchase order, such as via phone, the Buyer’s name shall be shown on all packages. A complete packing list shall accompany each shipment. Vendors shall not ship any products until they have received an order.

**4.3 DELIVERY AND INSTALLATION**

The Vendor shall deliver Free-On-Board (FOB) Destination to the following location(s):

For completion by Vendor: Delivery will be made from \_\_\_\_\_ (city, state) within \_\_\_\_\_ consecutive calendar days after receipt of purchase order. Promptness of delivery may be used as a factor in the award criteria.

Delivery shall not be considered to have occurred until installation has been completed. Upon completion of the installation, the Vendor shall remove and properly dispose of all waste and debris from the installation site. The Vendor shall be responsible for leaving the installation area clean and ready to use.

**4.4 AUTHORIZED RESELLER**

The Vendor shall be authorized by the manufacturer to distribute or resell the products and/or maintenance offered in this RFP. The Vendor shall provide a signed statement from the manufacturer confirming authorization with its proposal response. Failure to provide this statement shall constitute sufficient grounds for rejection of Vendor’s offer, at the discretion of the State.

Vendor is the:  Manufacturer  Dealer  Reseller  Distributor

Authorized:  Yes  No Attached Manufacturer’s Authority:  Yes  No

**4.5 WARRANTY**

Manufacturer’s standard warranty shall apply. Vendors shall include a copy of the manufacturer’s standard warranty with the proposal response.

Vendor warrants that all equipment furnished under this RFP will be newly manufactured, of good material and workmanship. The warranty will apply from date equipment is put into operation for a minimum period of twelve (12) months or the length of the manufacturer’s warranty, whichever is longer. Such warranty shall cover the cost of all defective parts replacement, labor, freight, and technicians’ travel at no additional cost to the State, or as specified by the Purchasing Agency herein. To the extent not superseded by the terms of this paragraph, manufacturer’s warranty terms shall apply. Vendor’s warranty shall be at least the level of coverage provided for its comparable customers.

The report of a problem does not presuppose that every call must result in an “on-site” visit for service/repair. The Vendor and/or service sub-contractor shall utilize best efforts to resolve problems in a timely fashion by using acceptable servicing methods to include, but not limited to, verbal problem analysis and remote diagnosis. The warranty requirement does not impose any additional duty on the State to make other than normal and good faith problem resolution efforts or expenditures of time. Vendor shall be responsible for compliance with warranty terms by any third-party service provider. Vendor shall provide contact information for warranty service provider, below.

Vendor is authorized by manufacturer to repair equipment offered during the warranty period?  YES  NO

Will the Vendor provide warranty service?  YES  NO, a manufacturer-authorized third party will perform warranty service.

Contact information for warranty service provider:

Company Name: \_\_\_\_\_

Proposal Number: 55-032724

Vendor: \_\_\_\_\_

Company Address: \_\_\_\_\_

Contact Person (name): \_\_\_\_\_

Contact Person (phone number): \_\_\_\_\_

Contact Person (email): \_\_\_\_\_

**4.6 DESCRIPTIVE LITERATURE**

**DESCRIPTIVE LITERATURE/CERTIFICATION**

Each proposal shall be accompanied by complete descriptive literature, specifications, certifications, and all other pertinent data necessary for thorough evaluation of the item(s) offered and sufficient to determine compliance of the item(s) with the specifications. Failure to include such information shall be a sufficient basis for rejection of the proposal.

**4.7 HUB PARTICIPATION**

Pursuant to North Carolina General Statute G.S. 143-48, it is State policy to encourage and promote the use of small, minority, physically handicapped, and women contractors in purchasing Goods and Services. As such, this RFP will serve to identify those Vendors that are minority owned or have a strategic plan to support the State’s Historically Underutilized Business program by meeting or exceeding the goal of 10% utilization of diverse firms as 1st or 2nd tier subcontractors. Vendor shall complete ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION.

**4.8 VENDOR EXPERIENCE**

In its Proposal, Vendor shall demonstrate experience with public and/or private sector clients with similar or greater size and complexity to the State. Vendor shall provide information as to the qualifications and experience of all executive, managerial, legal, and professional personnel to be assigned to this project, including resumes citing experience with similar projects and the responsibilities to be assigned to each person.

Vendor shall also provide information about the Vendor's background and experience in developing, supplying and maintaining the systems sought in this RFP in responses to the Vendor Questions.

**4.9 REFERENCES**

Vendors shall provide at least three (3) references, using ATTACHMENT E: CUSTOMER REFERENCE FORM, for which your company has supplied the exact model of equipment offered. The State may contact these users to determine quality level of the offered equipment; as well as, but not limited to user satisfaction with Vendor performance. Information obtained may be considered in the evaluation of the proposal.

The Vendor must be able to demonstrate an established, successful track record of past performance in providing products and services closely related to the requirements specified in this RFP. Appalachian State University reserves the right to visit a Vendor site, at University’s expense, to witness a functional demonstration of the proposed system and peripheral devices.

Please reference accounts/installations, showing company experience in receiving contracts for the delivery of campus-wide commerce and POS management systems, like the one proposed, to other college and/or university clients. At a minimum, the reference accounts must be using the Vendor's proposed system(s) supporting campus-wide POS solutions. Reference information should include the college/university name, address, name of contact person and his/her title, email address, and telephone number.

**4.10 VENDOR’S REPRESENTATIONS**

If the proposal results in an award, Vendor agrees that it will not enter any agreement with a third party that may abridge any rights of the State under the Contract. If any Services, deliverables, functions, or responsibilities not specifically described in this solicitation are required for Vendor’s proper performance, provision and delivery of the Service and deliverables under a



## 5.0 PRODUCT SPECIFICATIONS AND SCOPE OF WORK

---

The specific items and any specifications that the Purchasing Agency is seeking are listed below. Items offered by the Vendor must meet or exceed the listed Specifications to be considered for award.

### **Scope of work Hickory Phase 2a 2224, 2221**

*The work scope for this bid is to: Install Classroom equipment per Appalachian State University Standards at the Appalachian State Hickory Campus, 800 17th St NW, Hickory, NC 28601 General Lab 2224, and Cyber Lab 2221*

**A.** *Purchase/provide/install the specified equipment for each Classroom space*

*See attached BOM and reference Extron Electronics design (No substitutions allowed for Extron Electronics, Spectrum Furniture, Algo or NEC)*

- *Appalachian State University to provide Dell Computers (OFE) and all furniture*
- *Provide labor to Install the specified Classroom equipment per room per provided design*
- *Equipment can be delivered and stored on site*
- *Work with designated on site personnel prior to/during/post installation and QC as work progresses*

**B.** *Cabling per design from AV cart/lectern to ceiling projector location via wall conduits per classroom*

**C.** *Install designated ceiling speakers and cabling back to AV cart/lectern via wall conduits per room and secure cables providing a minimum of 12" above ceiling grid/tiles*

- *All cabling to be designated as Plenum rated*
- *Label all cabling per ANSI/TIA 606-B standards to include identification at each device input/output clarification and provide as-built maps at end of project*
- *All work must meet the requirements of the Office of State Construction, the NEC and NC Building Code*
- *Provide all equipment MAC id's needing to be registered to designated ASU personnel who will be responsible for assigning IP addresses*
- *ASU Classroom Support department will provide GUI's and help with proprogramming the Extron Electronics equipment*
- *Provide a finished A/V product per design and per equipment specifications in complete working order, provide training to ASU personnel*



**Scope of work Hickory 2a ALTERNATE COMPUTER LAB 2120**

The Alternate Work Scope for this bid is to: Install Classroom equipment per Appalachian State University Standards at the Appalachian State Hickory Campus, 800 17th St NW, Hickory, NC 28601  
Computer Lab 2120

**A. Purchase/provide/install the specified equipment for each Classroom space**

See attached BOM and reference Extron Electronics design (No substitutions allowed for Extron Electronics, Spectrum Furniture, Algo or NEC)

- Appalachian State University to provide Dell Computers (OFE)
- Provide labor to Install the specified Classroom equipment per room per provided design
- Equipment can be delivered and stored on site
- Work with designated on site personnel prior to/during/post installation and QC as work progresses

**B. Cabling per design from AV cart/lectern to ceiling projector location via wall conduits per classroom**

**C. Install designated ceiling speakers and cabling back to AV cart/lectern via wall conduits per room and secure cables providing a minimum of 12" above ceiling grid/tiles**

- All cabling to be designated as Plenum rated
- Label all cabling per ANSI/TIA 606-B standards to include identification at each device input/output clarification and provide as-built maps at end of project
- All work must meet the requirements of the Office of State Construction, the NEC and NC Building Code
- Provide all equipment MAC id's needing to be registered to designated ASU personnel who will be responsible for assigning IP addresses
- ASU Classroom Support department will provide GUI's and help with proprogramming the Extron Electronics equipment
- Provide a finished A/V product per design and per equipment specifications in complete working order, provide training to ASU personnel

**5.1 TECHNICAL APPROACH**

Vendor's proposal shall include, in narrative, outline, and/or graph form the Vendor's approach to providing the deliverables outlined in the Scope of Work section of this RFP. A description of each task and deliverable and the schedule for accomplishing each shall be included.

**5.3 CERTIFICATION AND SAFETY LABELS**

All manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in a manner acceptable to the appropriate state inspector which customarily requires the label or re-examination listing or identification marking of the appropriate safety standard organization; such as the American Society of Mechanical Engineers for pressure vessels; the Underwriters Laboratories and /or National Electrical Manufacturers' Association for electrically operated assemblies; or the American Gas Association for gas operated assemblies, where such approvals of listings have been established for the type of device offered and furnished. Further, all items furnished shall meet all requirements of the Occupational Safety and Health Act (OSHA), and state and federal requirements relating to clean air and water pollution.

**6.0 CONTRACT ADMINISTRATION**

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All Contract Administration requirements are conditioned on an award resulting from this solicitation. This information is provided for the Vendor's planning purposes.

**6.1 CONTRACT MANAGER AND CUSTOMER SERVICE**

The Vendor shall be required to designate and make available to the State a contract manager. The contract manager shall be the State’s point of contact for Contract related issues and issues concerning performance, progress review, scheduling, and service.

<b>Contract Manager Point of Contact</b>	
Name:	
Office Phone #:	
Mobile Phone #:	
Email:	

**6.2 POST AWARD PROJECT REVIEW MEETINGS**

The Vendor, at the request of the State, shall be required to meet periodically monthly with the State for Project Review meetings. The purpose of these meetings will be to review project progress reports, discuss Vendor and State performance, address outstanding issues, review problem resolution, provide direction, evaluate continuous improvement and cost saving ideas, and discuss any other pertinent topics.

**6.3 CONTINUOUS IMPROVEMENT**

The State encourages the Vendor to identify opportunities to reduce the total cost to the State. A continuous improvement effort consisting of various ideas to enhance business efficiencies as performance progresses.

**6.4 ACCEPTANCE OF WORK**

Performance of the work and delivery of Goods shall be conducted and completed at least in accordance with the Contract requirements and recognized and customarily accepted industry practices. Performance shall be considered complete when the Services or Goods are approved as acceptable by the Contract Administrator.

**6.6 INVOICES**

Vendor shall invoice the Purchasing Agency. The standard format for invoicing shall be Single Invoices meaning that the Vendor shall provide the Purchasing Agency with an invoice for each order. Invoices shall include detailed line-item information to allow Purchasing Agency to verify pricing at point of receipt matches the correct price from the original date of order. At a minimum, the following fields shall be included on all invoices:

Vendor’s Billing Address, Customer Account Number, NC Contract Number, Order Date, Buyer’s Order Number, Manufacturer Part Numbers, Vendor Part Numbers, Item Descriptions, Price, Quantity, and Unit of Measure.

**INVOICES MAY NOT BE PAID UNTIL AN INSPECTION HAS OCCURRED AND THE GOODS ACCEPTED.**

**6.7 DISPUTE RESOLUTION**

During the performance of the Contract, the Parties agree that it is in their mutual interest to resolve disputes informally. Any claims by the Vendor shall be submitted in writing to the State’s Contract Manager for resolution. Any claims by the State shall be submitted in writing to the Vendor’s Project Manager for resolution. The Parties shall agree to negotiate in good faith and use all reasonable efforts to resolve such dispute(s).

Proposal Number: 55-032724

Vendor: \_\_\_\_\_

During the time the Parties are attempting to resolve any dispute, each shall proceed diligently to perform their respective duties and responsibilities under this Contract. The Parties will agree on a reasonable amount of time to resolve a dispute. If a dispute cannot be resolved between the Parties within the agreed upon period, either Party may elect to exercise any other remedies available under the Contract, or at law. This provision, when agreed in the Contract, shall not constitute an agreement by either party to mediate or arbitrate any dispute.

## **6.8 CONTRACT CHANGES**

Contract changes, if any, over the life of the Contract shall be implemented by contract amendments agreed to in writing by the State and Vendor.

**The remainder of this page is intentionally left blank**

## **7.0 ATTACHMENTS**

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### **\*\*IMPORTANT NOTICE\*\***

#### **RETURN THE REQUIRED ATTACHMENTS WITH YOUR RESPONSE**

FOLLOW THE LINKS TO ACCESS EACH ATTACHMENT

#### **ATTACHMENT A: COST PROPOSAL**

---

Vendors are requested to organize quotations in the following format:

A) Summary sheet that provides a breakdown of:

- Total cost to install Classroom equipment for Hickory Phase 2a 2224, 2221 Requested, including Total cost to install Classroom Equipment for Alternate Computer LAB 2120.
- On-site installation
- Any additional fees (ie....artwork, shipping, etc.)
- List any other offered incentives (Sponsorship, signing bonus, donated materials, etc.)

#### **ATTACHMENT B: INSTRUCTIONS TO VENDORS**

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The Instructions to Vendors, which are incorporated herein by this reference, may be found here:

<https://ncadmin.nc.gov/formnorth-carolina-instructions-vendors032023/download?attachment>

#### **ATTACHMENT C: NORTH CAROLINA GENERAL TERMS & CONDITIONS**

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The North Carolina General Terms and Conditions, which are incorporated herein by this reference, may be found here:

[https://files.nc.gov/ncdoa/pandc/OnlineForms/Form\\_North-Carolina-General-Terms-and-Conditions\\_11.2021.pdf](https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_North-Carolina-General-Terms-and-Conditions_11.2021.pdf)

#### **ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION**

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Complete and return the Historically Underutilized Businesses (HUB) Vendor Information form, which can be found at the following link:

[https://files.nc.gov/ncdoa/pandc/OnlineForms/Form\\_HUB-Supplemental-Vendor-Information\\_9.2021.pdf](https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_HUB-Supplemental-Vendor-Information_9.2021.pdf)

#### **ATTACHMENT E: CUSTOMER REFERENCE FORM**

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Complete and return the Customer Reference Form, which can be found at the following link:

[https://files.nc.gov/ncdoa/pandc/OnlineForms/Form\\_Customer\\_Reference\\_Template\\_09.2021.pdf](https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Customer_Reference_Template_09.2021.pdf)

#### **ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR**

---

Complete and return the Location of Workers Utilized by Vendor, which can be found at the following link:

[https://files.nc.gov/ncdoa/pandc/OnlineForms/Form\\_Location-of-Workers\\_09.2021.pdf](https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Location-of-Workers_09.2021.pdf)

**ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION**

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Complete, sign, and return the Certification of Financial Condition, which can be found at the following link:

[https://files.nc.gov/ncdoa/pandc/OnlineForms/Form\\_Certification-of-Financial-Condition\\_09.2021.pdf](https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Certification-of-Financial-Condition_09.2021.pdf)

**ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING**

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Complete, sign, and return the Vendor Request for EO50 Price-Matching, which can be found at the following link:

[https://files.nc.gov/ncdoa/pandc/OnlineForms/Form\\_Vendor-Price-Matching-Opportunity\\_09.2021.pdf](https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Vendor-Price-Matching-Opportunity_09.2021.pdf)

Proposal Number: 55-032724

Vendor: \_\_\_\_\_

**ATTACHMENT I: FLOOR PLAN AND SPECS ATTACHED**

---

**Scope of work :**

Install Classroom equipment per Appalachian State University Standards at the Appalachian State Hickory Campus, 800 17th St NW, Hickory , NC 28601  
General Lab 2224, and Cyber Lab 2221

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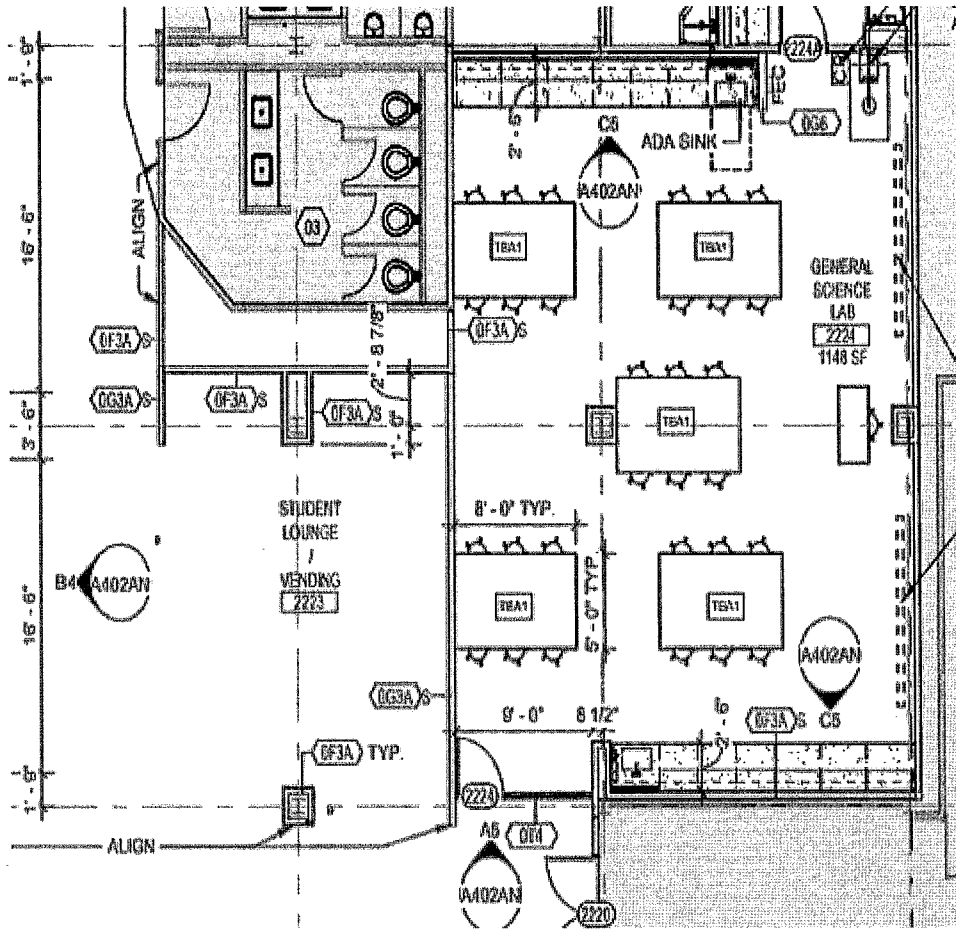
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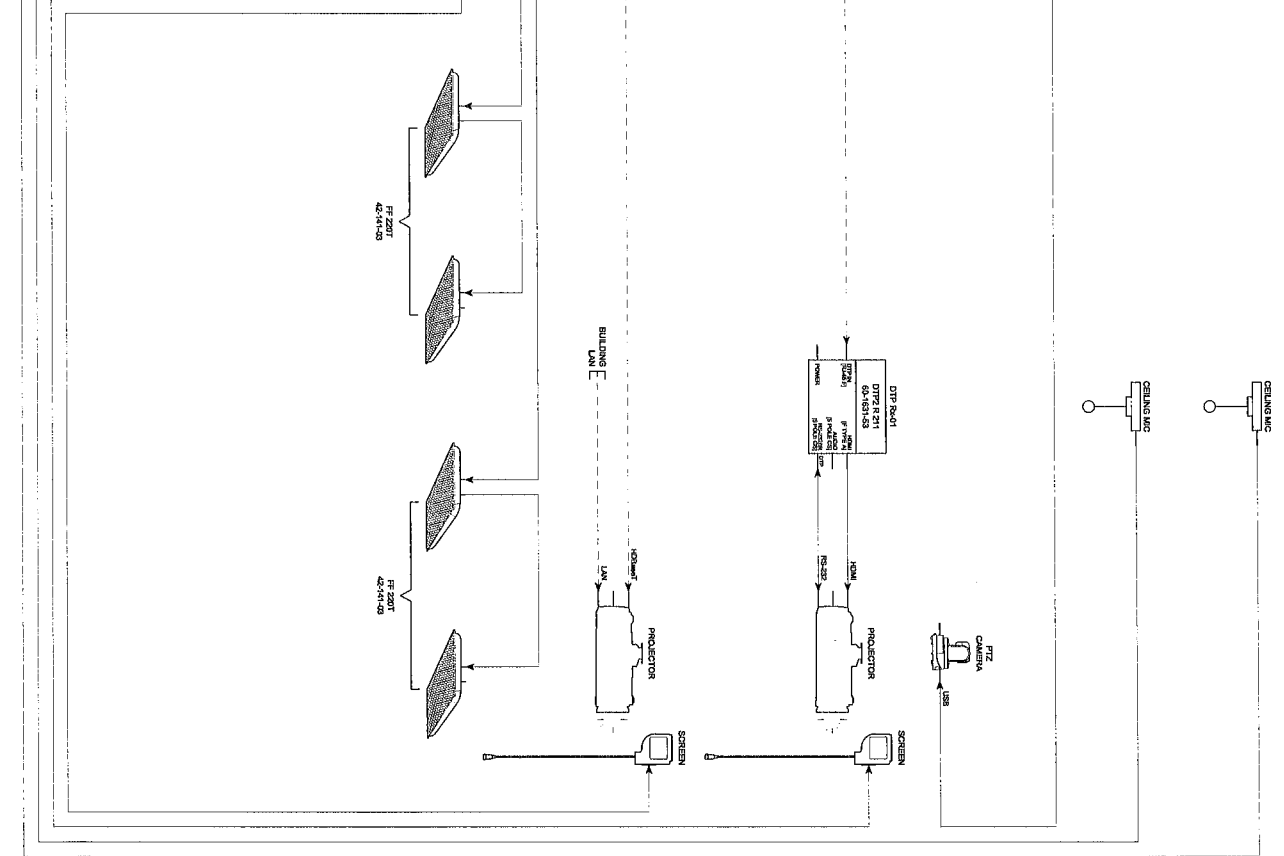
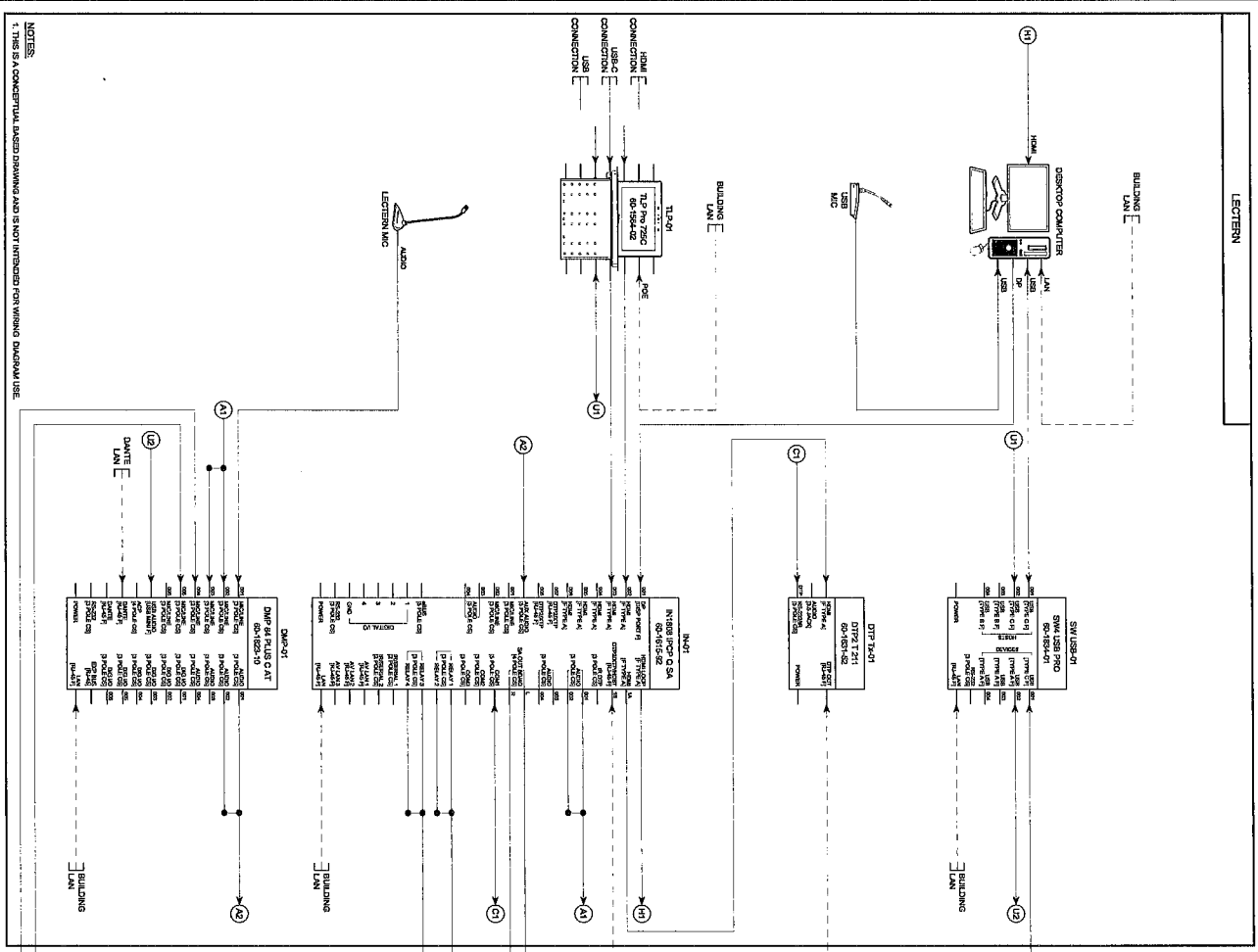
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- Provide a finished A/V product per design and per equipment specifications in complete working order, provide training to ASU personnel





Manufacturer	Description	Part #	Summary	Quantity
Aligo	9201 IP PoE Intercom	9201	Wideband IP Intercom for two-way communication	1
Daikin	Cat5E Shielded	ASL791 -50 -P-4	50' PLMN/STR RJ 45, M/M Qty Patch (2)	2
Audio Technica	U853RW (white) Cardoid Condenser Mic	U853RW	Hanging Microphone, dependent on room size	2
Audio Technica	EB9450Xlr mlo for podium	EB9450Xlr	Microphone	1
C20	USB Plenum cable for PTZ Camera	39938	75' Plenum (2)	2
Chief	RPMALU	RPMALU	RPA Elite Universal Projector Mount with Keyed Locking (A version)	1
Chief	6" Fixed Extension Column	CM9006	6" pole	1
Chief	Replacement Ceiling Tile	CM9 445	Speed-Connect Suspended Ceiling Tile Replacement Kit Mount - White	1
DA-Lite	Projector Screen 16:10, 108" diagonal, LVC, silent motor	79218L3	Cosmopolitan Electrol Matte White 67.9" x 92"	2
DA-Lite	Floating Mounting Bracket	77027	White	2
Elmo	Document Camera	TT-12F	12 megapixel camera	1
Ergotron	LX Desk Monitor Arm	46-241-028	LX Desk Monitor Arm	1
Extron Electronics	DMP 64 Plus C AT Audio DSP	60-1623-10	Aufo DSP	1
Extron Electronics	SW4 USB Pro	60-1834-01	USB Pro	1
Extron Electronics	TLP Pro 725C	60-1664-02	7" Cable Cubby TouchLink Pro Touchpanel	1
Extron Electronics	AC+USB 311 US, Cord	60-1891-01	AC+USB-C+USB-A, US	1
Extron Electronics	HDMI Ultra90	26-653-09	4K Premium High Speed HDMI Ultra-Flexible Cable - 9' (1.8 m)	1
Extron Electronics	USDC-HDMI6	26-717-08	USDC-C male to HDMI male adapter cable, 6' (1.8 m)	1
Extron Electronics	DisplayPort Ultra Series	26-601-03	DisplayPort Ultra3	1
Extron Electronics	IN-1808 Switcher	60-1616-02	IN 1808 IPCP Q SA	1
Extron Electronics	Surface Mount Boxes for US-Gang Products (also 6201)	70-1097-02	2 gang mounting box Black	1
Extron Electronics	RBB 123	60-604-21	Basic Rack Shelf for 3.5" Deep Products	1
Extron Electronics	Speaker FF220T	42-141-03	Full-Range Flat Field Speakers with Low Profile Enclosure and 70/100 V Transformer	2
Extron Electronics	HDMI to DVI Cable 12'	26-614-03	HDMI-DVI2 for monitor	1
Dell (DPE)	SFF Computer	SFF	Dell SFF Computer	0
Middle Atlantic	VTF4 4U Tight-Pattern Vented Blank Panel	VTF4	VTF4 4U Tight-Pattern Vented Blank Panel	2
Middle Atlantic	RC - 3 Rack Shelf (for PC)	RC-3	Clamping 3 RU Rack for PC	1
Middle Atlantic	HBK 10-32 3/4" Square Drive Security Screws & Washers 100 Pieces	HBK	security screws for rack equipment (100 screws and washers)	1
Middle Atlantic	SPBIT Square Post Bit	SPBIT	security screw bit	1
NEC	Laser Projector P627UL	P627UL	6,200 LUMEN, WUXGA, LASER, LOD PROJECTOR	1
Net Gear Switch	(ASU to provide) SUMMER WILL BE MOVING TO CISCO MANAGED SWITCHES PROVIDED BY ASU IT			
PTZ Optics Camera	Video Cam	PT20X-USB-GY-Q2	HD PTZ	1
Seacom	Plenum XLR	PXL M-F -7E XLR	For Ceiling (2)	2
Spectrum	Universal cord reel kit	80037	Spectrum Industries	1
Spectrum Inspiration Lectern 42"BW, Surround	Laminite - (C1) Edgeband - (C1H) Metal Finish - (B) Height - (42) Style - (S2)		Spectrum Industries	1
Tripp Lite	Rear Rack Rail - (1) Flip Up Shelf - (1) Base Option (S5) Door-Logo - (1) Power option - (0) Keyboard - (0) Slide Door - (0) Cut out for Extron Pro 725C	N200-007-RD	TLP Cubby/Intercom (2)	2
Tripp Lite	Cat6 (5) Patch Cable	N200-003-RD	(4) for PC, Switcher, Intercom	4
Tripp Lite	C20 red Cat6 Data Patch Cable 3'	PDUWH15-6	Rack mount PDA	1
Tripp Lite	PDU Metered 120 15A	LC 1200	Mounted after Spectrum reel cord and prior to PDU inside podium	1
Tripp Lite	Line Conditioner	PT-GM-1-BK	ceiling mount for camera	1
Universal Ceiling Mount for PTZ Camera	Ceiling Mount	DTK 2451	Interactive Pen Display	1
Wacom Monitor	Interactive Display			

Total



**APPALACHIAN STATE UNIVERSITY**  
 INSTRUCTIONAL TECHNOLOGY  
 730 RIVERS STREET  
 DUNCAN HALL - ROOM 03  
 BOONE, NC 28608

**Extron Electronics**  
 1025 E BALL ROAD  
 ANAHEIM, CA 92805

**SERVICE SUPPORT SOLUTIONS**

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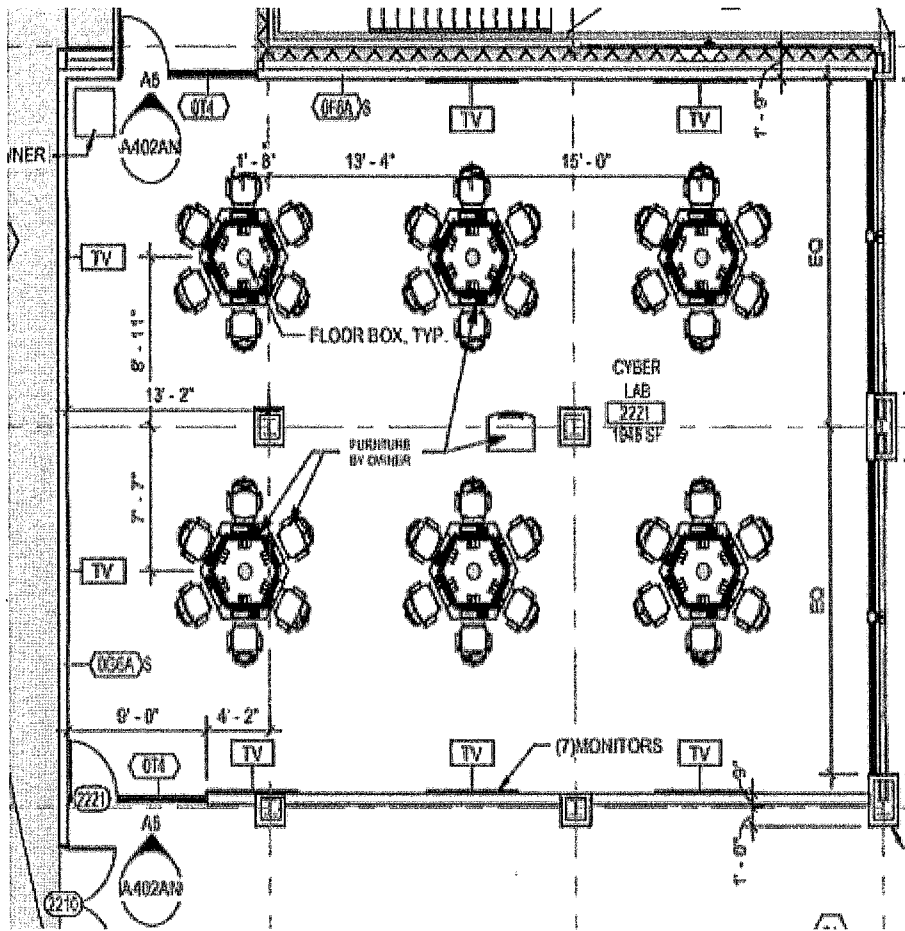
REVISIONS:	DATE:
△ REVISED PER CUSTOMER COMMENTS	10/20/23
▽ REVISED PER DISTRIBUTOR COMMENTS	10/20/23

DESCRIPTION: 01/23/2024

APPROVED BY: DON MITCHELL  
 REQUESTED BY: GARY POWELL  
 DRAWN BY: STANLEY MENCHAUZ

CALL LOG NO.: 3659598 DATE: 09/25/23  
 SHEET: 1 OF 1 SCALE: NTS

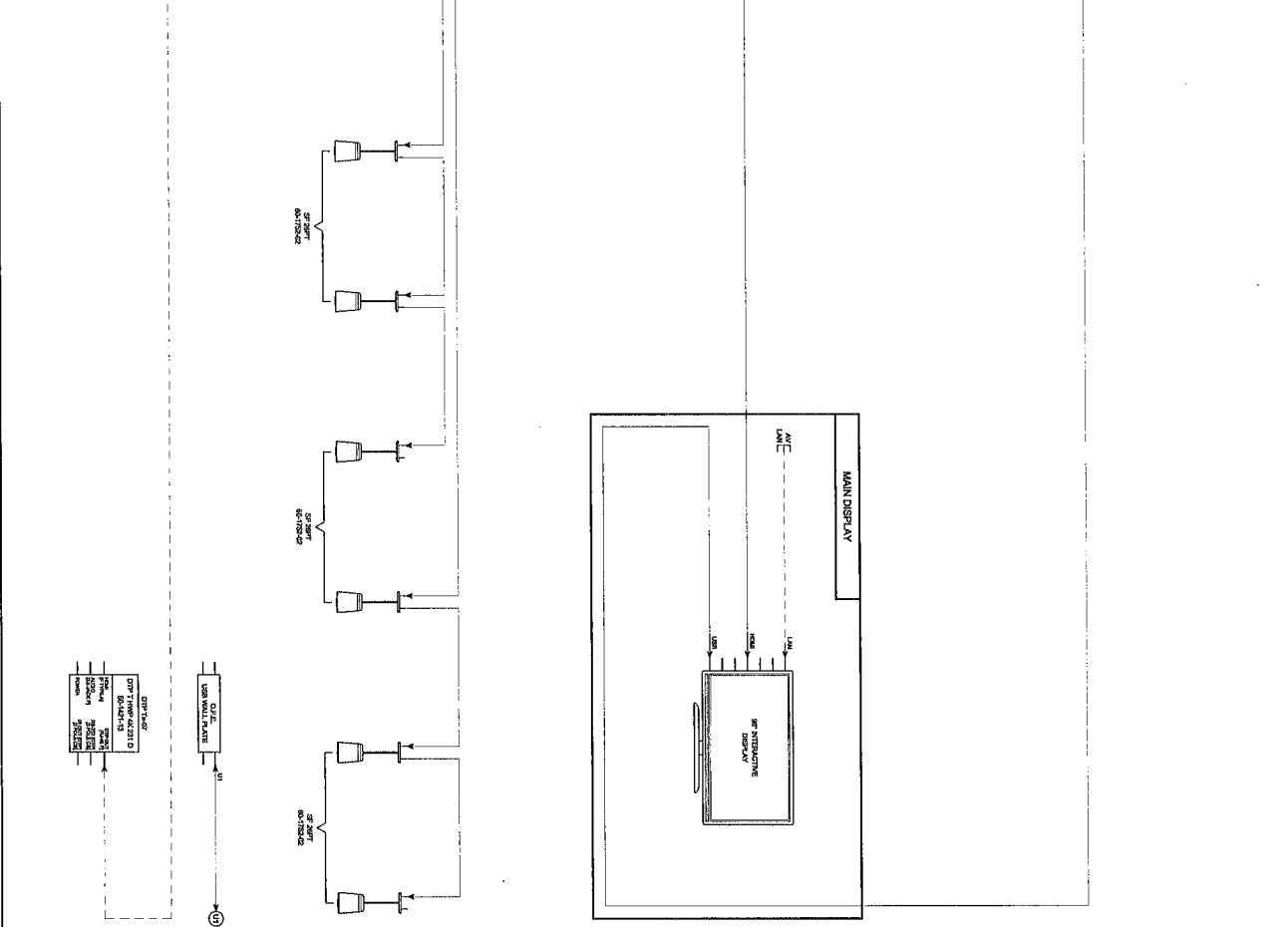
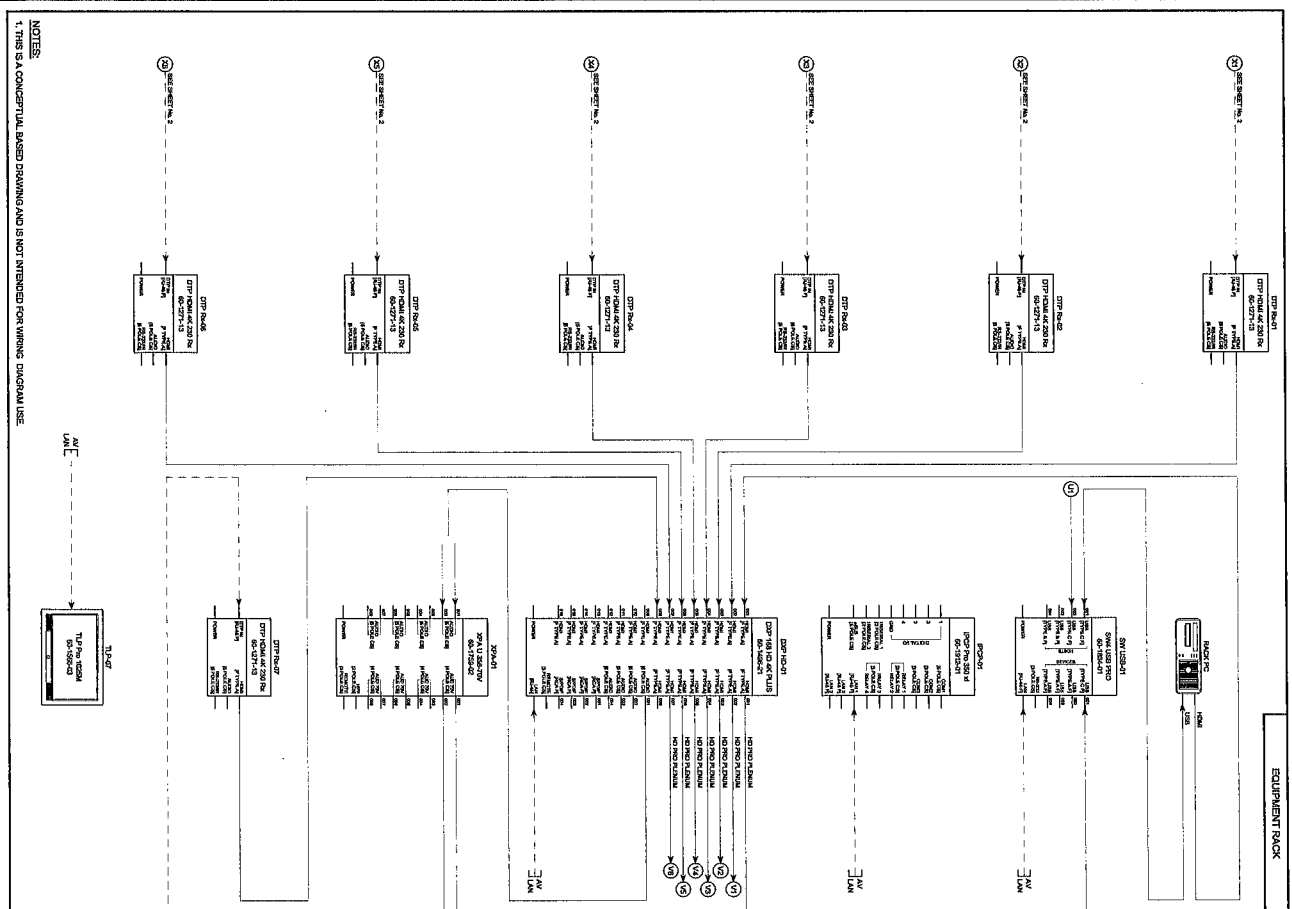
NOTES:  
 1. THIS IS A CONCEPTUAL BASED DRAWING AND IS NOT INTENDED FOR WIRING OR EQUIPMENT USE.



**Cyber Security Lab 2221**

Item	Manufacturer	Item/MFG Number	Quantity
TLP Pro 1025T	Extron	60-1565-02	6
TLP Pro 1025M	Extron	60-1566-02	1
SW8 HD 4K PLUS	Extron	60-1606-01	6
SW2 HD 4K Plus	Extron	60-1603-01	36
IPCP Pro 350 xi	Extron	60-1912-01	1
DXP 168 HD 4K PLUS	Extron	60-1496-21	1
DMP 64 Plus 64 C AT	Extron	60-1823-10	1
SW4 USB Pro	Extron	60-1834-01	1
RSU 129 shelf	Extron	60-190-01	3
HD Pro P/75	Extron	26-726-75	10
DTP HDMI 4K 230 Tx	Extron	60-1271-12	6
DTP HDMI 4K 230 Rx	Extron	60-1271-13	7
DTP T HWP 4K 231 D	Extron	60-1421-12	1
DPM-HDF/0.5 4K Plus	Extron	26-713-01	40
WPD 100 U usb-c wallplate	Extron	70-1362-02	1
Eight output, 12 VDC 5.0 Amp (PS 125)	Extron	60-1954-01	8
Display for Pod	LG	65UR340C9UD	6
Usb 3.0 Extender	Vaddio	999-1005-032	3
Tilt Mount	Peerless	PT660	6
Rack	Middle Atlantic	RFR-1628BR	1
FEB2 blanks	Middle Atlantic	FEB2	10
Rack rails	Middle Atlantic	RFR-ERRK-16	1
Plasitc cable manager	Middle Atlantic	PHCM-1-2	1
Rack Shelf - clamping	Middle Atlantic	RC-3	1
Unviersal Mounting shelf	Middle Atlantic	UMS1-3.5K	15
Rackmount power	Tripplite	PDUMH15-6	13
Middle Atlantic HPS 10-32 3/4" Phillips Truss-Head Screws & Washers - 25 pack	Middle Atlantic	HPS	8
86" interactive display	LG	86TR3DK	1
86" non-interactive display	LG	86UR340C9UD	1
XL Mount (ST680; 98" max)	Peerless	ST680	2
Aver MT300N	Aver	PATMT300N	1
Audio Technica Ceiling Mic	Audio Technica	ATDN1061DAN	2
Extron SF 26PT Pendant Speakers - Black	Extron	60-1752-02	3
XPA U 358 PA	Extron	60-1759-01	1
AVer PATR313V2 - Black	Aver	PATR313V2	4
HDMI 6'	C2G	C2G56783	50
HDMI to DP Cable Active Cable 6' (M-to-M)	VisionTek	900822	40
DP to HDMI 6' (m-m)	C2G	C2G54326	75
6' CAT cable	C2G	C2G00711	100
3' CAT cable	C2G	C2G00640	40
10' CAT cable	C2G	C2G00681	15
100' CAT cable	C2G	C2G50887	20
7 port power strips - 6ft	Tripplite	SUPER7B	18
Logitech MX Keys S Combo	Logitech	920-012274	1





**APPALACHIAN STATE UNIVERSITY**  
 730 RIVERS ST.  
 DUNCAN HALL  
 ROOM 03  
 BOONE, NC 28608

**Extron Electronics**  
 1000 E. SHAW BLVD.  
 ANAHEIM, CA 92805

**SERVICE SUPPORT SOLUTIONS**

**NOTES:**  
 1. THIS IS A CONCEPTUAL BASED DRAWING AND IS NOT INTENDED FOR WIRING DIAGNOSTIC USE.

**REVISIONS:**

REVISIONS	DATE
REVISION 1: REVISED PER CUSTOMER COMMENTS	10/20/23
REVISION 2: REVISED PER CUSTOMER COMMENTS	10/20/23

**DESCRIPTION:**  
 EQUIPMENT RACK -  
 AV SIGNAL FLOW

**APPROVED BY:**  
 DON MITCHELL

**REQUESTED BY:**  
 GARY POWELL

**DRAWN BY:**  
 STANLEY MENCHALIZ

**CALL LOG NO.:**  
 3898986

**DATE:**  
 12/06/23

**SHEET:**  
 3 OF 3

**SCALE:**  
 NTS

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**Scope of work : ALTERNATE**

Install Classroom equipment per Appalachian State University Standards at the Appalachian State Hickory Campus, 800 17th St NW, Hickory , NC 28601  
Computer Lab 2120

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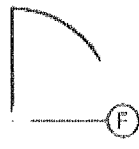
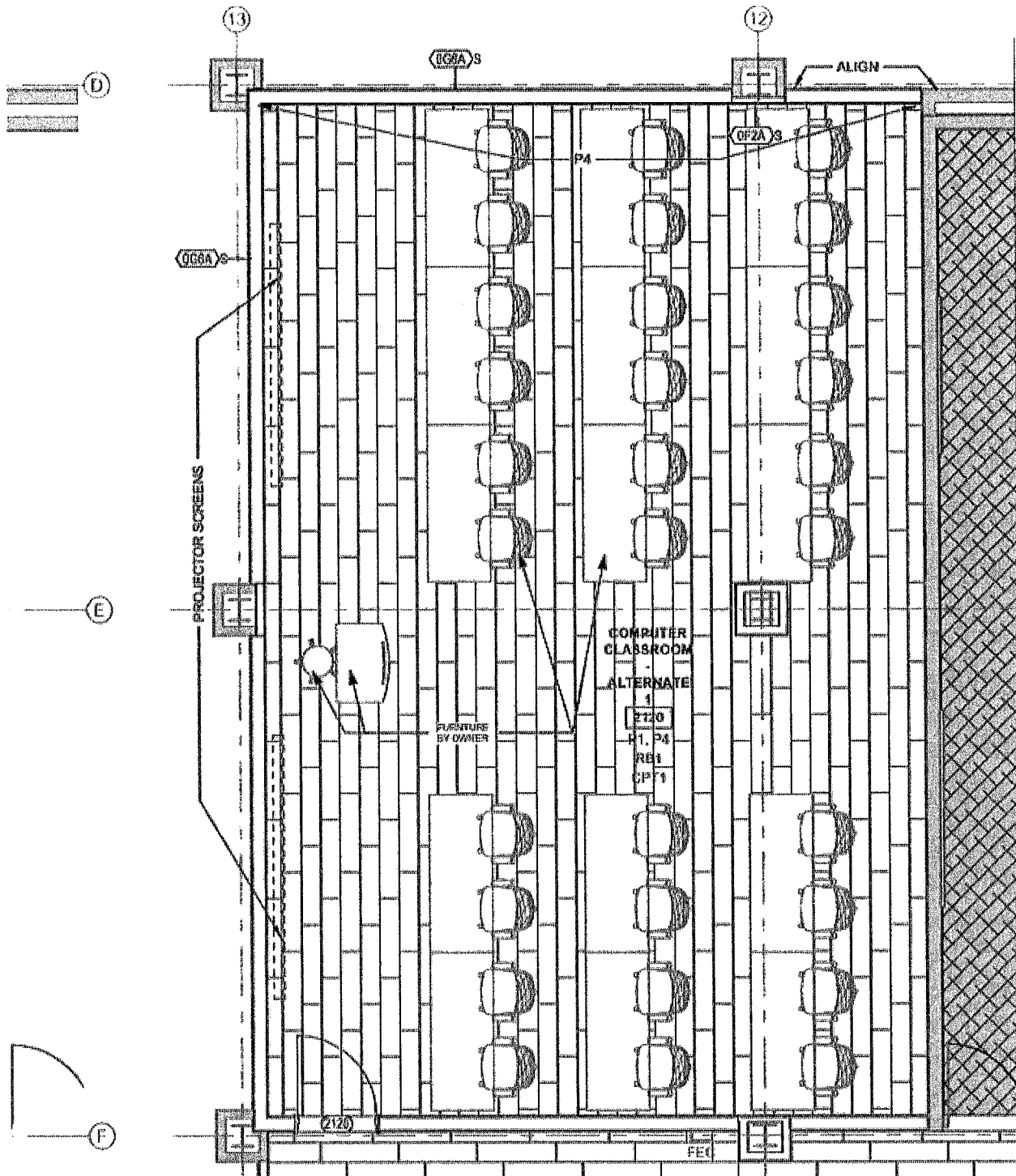
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**C.** Install designated ceiling speakers and cabling back to AV cart/lectern via wall conduits per room and secure cables providing a minimum of 12" above ceiling grid/tiles

- All cabling to be designated as Plenum rated
- Label all cabling per ANSI/TIA 606-B standards to include identification at each device input/output clarification and provide as-built maps at end of project
- All work must meet the requirements of the Office of State Construction, the NEC and NC Building Code
- Provide all equipment MAC id's needing to be registered to designated ASU personnel who will be responsible for assigning IP addresses
- ASU Classroom Support department will provide GUI's and help with proprogramming the Extron Electronics equipment
- Provide a finished A/V product per design and per equipment specifications in complete working order, provide training to ASU personnel





Altenata Comp Lab 2120

Manufacturer	Description	Part #	Summary	Quantity
	8291 IP PoE Intercom	8291	Midboard IP Intercom for bid-way communication	1
Aligo	Cap SE Sealed	A31281-50-P-H	80' PLIN/STR RJ 45, ALM Qty Patch (2)	2
Audio Technica	US33RW (white) Cardoid Condenser Mic	US33RW	Handing Microphone, dependant on room size	2
Audio Technica	EB94504r mls for podium	EB94504r	Microphone	1
C20	USB Plenum cable for PTZ Camera	39936	76" Plenum (2)	2
Chief	RPMAU	RPMAU	RPA Elite Universal Projector Mount with Keyed Locking (A version)	1
Chief	6" Fixed Extension Column	CM5008	6" pole	1
Chief	Replacement Ceiling Tile	CM3 448	Speed-Connect Suspended Ceiling Tile Replacement Kit Mount - White	1
DA-Lite	Projector Screen 1810 , 169" diagonal, LVC, silent motor	703181-5	Custompolitan Electrol Matte White 87.5" x 92"	2
DA-Lite	Floating Mounting Bracket	77027	White	2
Elmo	Document Camera	TT-12F	12 megapixel camera	1
Ergotron	LX Desk Monitor Arm	45-241-028	LX Desk Monitor Arm	1
Extron Electronics	DMP 64 Plus C AT Audio DSP	60-1823-10	Audio DSP	1
Extron Electronics	SW4 USB Pro	60-1834-01	USB Pro	1
Extron Electronics	TLP Pro 7250	60-1864-02	7" Cable Cubby TouchLink Pro Touchpanel	1
Extron Electronics	AC+USB 311 USB Cord	60-1991-01	AC+USB-C+USB-A, USB	1
Extron Electronics	HDMI Ultra9	28-553-09	4K Premium High Speed HDMI Ultra-Flexible Cable - 9' (1.8 m)	1
Extron Electronics	USBC-HDMI8	28-717-08	USB-C male to HDMI male adapter cable, 6' (1.8 m)	1
Extron Electronics	DisplayPort Ultra Series	28-691-03	DisplayPort Ultra/3	1
Extron Electronics	IN-1688 Switcher	60-1615-92	IN 1608 IPCP Q BA	1
Extron Electronics	Surface Mount Boxes for US-Gang Products (also 6201)	70-1097-02	2 gang mounting box Black	1
Extron Electronics	R5B 123	60-604-21	Basic Rack Shelf for 3.5" Deep Products	1
Extron Electronics	Speaker FF220T	42-141-03	Full-Range Flat Field Speakers with Low Profile Enclosure and 70/100 V Transformer	2
Extron Electronics	HDMI to DVI Cable 12"	28-614-03	HDMI-DVI for monitor	1
Dall (DFE)	SFF Computer	SFF	Dall SFF Computer	0
Middle Atlantic	VTF4 4U Tight-Pattern Vented Blank Panel	VTF4	VTF4 4U Tight-Pattern Vented Blank Panel	2
Middle Atlantic	RG - 3 Rack Shelf (for PC)	RG-3	Clamping 3 RU Rack for PC	1
Middle Atlantic	HSK 10-32 3/4" Square Drive Security Screws & Washers 100 Pieces	HSK	security screws for rack equipment (100 screws and washers)	1
Middle Atlantic	SPBIT Square Post Bit	SPBIT	security screw bit	1
NEC	Laser Projector P627UL	P627UL	8,200 LUMEN, WUXGA, LASER, LCD PROJECTOR	1
Net Gear Switch	(ASU to provide) SUMMER WILL BE MOVING TO CISCO MANAGED SWITCHES PROVIDED BY ASU IT			
PTZ Optics Camera	Video Cam	PTZ0X-USB-QY-Q3	HD PTZ	1
Seacom	Plenum XLR	PXL-M-F-76-XLR	For Ceiling Mics (2)	2
Spectrum	Universal cord reel kit	99037	Spectrum Industries	1
Spectrum Inspiration Lectern 42" BW, Surround	Laminata - (CH) Edgeband -(CH) Metal Finish - (B) Height- (42) Style - (82) Rear Rack Rail - (1) Flip Up Shelf -(1) Base Option (88) Door Logo-(1) Power option - (0) Keyboard-(0) Slide Door-(0)Cut out for Extron Pro 7250		Spectrum Industries	1
Tripp Lite	Cat 6 (9) Patch Cable	N200-007-RD	TLP Cubby/Intercom (3)	2
Tripp Lite	C20 red Cat6 Data Patch Cable 3'	N200-003-RD	(4) for PG, Switcher, Intercom	4
Tripp Lite	PDU Metered 120 18A	PDU0M118-6	Rack mount PDA	1
Tripp Lite	Line Conditioner	LC 1200	Mounted after Spectrum reel cord and prior to PDU inside podium	1
Universal Ceiling Mount for PTZ Camera	Ceiling Mount	PT-CM-1-BK	ceiling mount for camera	1
Wacom Monitor	Interactive Display	DTK 2451	Interactive Pen Display	1

Total

