

REQUEST FOR PROPOSALS
FIRE ALARM SYSTEM REPLACEMENT

Agency: Union County Community Action, Inc. (UCCA)
<http://www.uccainc.org>

Project Location: Central Center Head Start
351 White Store Rd. Wadesboro, NC 28170

Scope: Union County Community Action, Inc. (UCCA) is soliciting proposals from qualified companies to replace a fire alarm system and add a voice emergency evacuation system at the Central Head Start Center (351 White Store Rd. Wadesboro, NC 28170).

Required Completion: June 30th, 2024

Closing Date: **Proposals must be received by UCCA by 5:00 p.m. on Thursday, April 11th, 2024.** Submission instructions can be found under Section I, Item 4 on the next page.

RFP Contact: Austin Parker, Contract Administrator
Cell Phone- (980) 699-9115
Office Phone- (704) 283-7583
Austin.Parker@uccainc.org

READ THIS REQUEST CAREFULLY

****** This bid proposal and all Terms and Conditions contained within shall be made a part of the contract awarded to the successful bidder. ******

*****Amended 4/8/24, see Page 6*****

I. **GENERAL INFORMATION**

1) **Purpose:**

This Request for Proposal (RFP) is issued by UCCA for the purpose of securing a qualified company to install a new fire alarm system. The new fire alarm system needs to have a voice emergency evacuation system. The new system will also need to be installed while the old system remains in service. This work will be completed at our Central Center located in Wadesboro, NC (351 White Store Rd. Wadesboro, NC 28170). ***Please see Section II., Item 2. Scope for additional details on this project.***

2) **Description of Agency:**

UCCA is a private, non-profit corporation structured to administer federal, state, local, and private grants for the purpose of serving economically disadvantaged children, youth, adults, and families across Union, Anson, and Richmond counties. UCCA receives a majority of its funding from the United States Department of Health & Human Services (US DHHS) for operation of the Head Start and Early Head Start programs across Union, Anson & Richmond counties.

3) **Proposal Submission:**

Bidders must submit proposals to Beth Leonard, Director of Finance, by **5:00 p.m., on Thursday, April 11th, 2024**. Proposals must be submitted, and received, by the established deadline. It is the sole responsibility of the Bidder to ensure all proposals are received by the closing date and time; late proposals will not be considered.

Mail: Union County Community Action, Inc. Fire Alarm System RFP Attn: Beth Leonard PO Box 1029 Monroe, NC 28111	Hand-Delivery: Union County Community Action, Inc. Fire Alarm System RFP Attn: Beth Leonard 1401-H W Roosevelt Blvd. Monroe, NC, 28110
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4) **Inquiries:**

All inquiries regarding this request for proposal shall be submitted in writing to Austin Parker, Contract Administrator, at Austin.Parker@uccainc.org. Written inquiries submitted via email must include the following subject line: **"Fire Alarm System RFP"**.

5) **Amendments:**

All RFP amendments issued by UCCA regarding the terms and conditions, desired services, or requirements of the bid will be posted on the Procurement page of the UCCA website, located at <https://www.uccainc.org/procurement>. **Bidders are responsible for checking the website for amendments.**

6) **Bid Award:**

UCCA reserves the right to reject any or all proposals in whole or in part and waive any informality. **All proposals must be valid for 60 days following the RFP closing date.** Upon conclusion of final negotiations with the successful Bidder, all Bidders will be notified as to the status of the RFP award. UCCA expects the successful bidder to complete the project prior to June 30th, 2024.

7) **Acceptance or Rejection:**

UCCA reserves the right to accept or reject any or all bids, part of a bid; to waive any informalities or technicalities; clarify any ambiguities in bids; modify any criteria in the RFP; and unless otherwise specified, to accept any item in a bid.

II. PROCUREMENT SPECIFICATIONS

- 1) **Project:** Fire Alarm System Replacement
- 2) **Location:** Central Center (351 White Store Rd. Wadesboro, NC 28170)
- 3) **Scope:** UCCA is soliciting proposals from qualified vendors to provide pricing to install a new fire alarm system at the Central Center campus. The new system will also include a new voice evacuation system, several pull stations, and hard-wired detectors.
- 4) **Project Specifications:** UCCA is requesting vendors provide pricing to replace the existing system with a new and up-to-code system that also adds a voice evacuation system. It will also include adding strobe lights and sirens in the facilities at the Central Center campus. Additional details can be found below:

Brief Overview of Campus and Upgrades Needed

UCCA desires to replace our current fire alarm system to best ensure the safety of the children and families we serve. The old system will need to remain in service while the new system is being installed, Please see "Specific Notes" in the Engineered Fire Plan attached to the end of this document.

A summary of the issues we are seeking to rectify include:

- ➔ The fire systems need to be upgraded to include audible instruction capabilities (voice evacuation system) in the event of a fire. Those audible instructions need to report in both English and Spanish.
- ➔ The current smoke detectors are not hardwired. All detectors need to be updated to current code and include carbon monoxide detection.
- ➔ There are currently no horn strobes in the classrooms, and pull stations need to be installed to code.

See the attached Fire Plan for an engineered drawing of what is required for the new system as well as the location of strobes, sirens, panel, etc. As well as the "Specific Notes" section for installation requirements. Please note that the NICET IV "Requirement" in the Notes section is a recommendation only.

BRAND NAME/EQUIVALENT DISCLOSURE

Any/all brand and model names specified in this solicitation are included solely as examples and are not meant to specify one product over another. Bidders should bid products that have similar features to the examples provided but are in no way restricted to bidding products from a specific manufacturer.

5) **Site Visits:**

It is understood that interested bidders may need to visit the Central Center campus (351 White Store Rd. Wadesboro, NC 28170) in order to assess the cost of this project. Interested bidders must receive prior approval from Austin Parker, Contract Administrator for any site visit to the Central Center. Bidders can contact Mr. Parker at 980- 699-9115 or Austin.Parker@uccainc.org to arrange a time for a site visit. If bidders make contact via email to schedule a site visit, that email must have the subject line "**Fire Alarm System RFP**".

6) **Evaluation Criteria:**

The Bid award shall be made in the best interest of UCCA, as determined by UCCA. Considerations are focused toward, but not limited to:

- **Pricing Proposal**

Bidders must provide pricing inclusive of all project aspects, including equipment rentals, materials, labor, permits, etc. Line-item pricing should be utilized to detail what is being provided in the pricing proposal, items such as labor, equipment, materials, etc. should be included.

- **Technical Proposal**

Bidders must provide a *detailed* explanation of the work to be performed, and the type of fire alarm system the bidder is proposing.

- **Adequacy and Completeness**

At a minimum, proposals must include all information and documents listed in Section 3, Item 3 Required Documents.

- **Compliance with Terms and Conditions**

The contractor must review all terms and conditions set forth in this RFP and certify the ability to meet those terms and conditions on the attached Certification Statement.

- **Customer Service Record**

Bidders must provide a minimum of three (3) professional references, which should be previous or current customers with similar projects to the one described in this RFP.

- **Experience**

Bidders must have Proposals that reflect Bidder's experience with projects similar to the one being procured as well as any industry certifications that qualify. NICET level 3 or higher preferred.

- **Negotiation**

UCCA reserves the right to negotiate with potential Bidders to acquire the appropriate services for UCCA's needs.

III. PROPOSAL REQUIREMENTS

Failure to adhere to these guidelines may result in dismissal of bid. At a minimum, submitted proposals must include the following documents and information:

1) Pricing Proposal:

Pricing information must be clear, detailed, and inclusive of *all* labor, material, equipment, permits, and services necessary to complete the project described in this RFP. Line-item pricing for the equipment, labor, materials, and other items should be included in the pricing proposal. Separate pricing proposals should be submitted if questions 1 and/or 2 are answered "Yes" in the Maintenance and Monitoring Questionnaire.

2) Technical Proposal:

Bidders must provide a *detailed* description of the proposed work and any other relevant information relating to this project.

3) Required Documents:

- Pricing Proposal (to include a separate pricing proposal for both Maintenance and Monitoring if questions 1 and/or 2 are answered "Yes" in the Maintenance and Monitoring Questionnaire)
- Technical Proposal
- Certification Statement (Page 9)
- Vendor Profile & Certification (Page 10)
- Disclosure of Debarment Statement (Page 11)

- Reference Form (Page 12)
- Proof of General Liability Insurance and Worker's Compensation Insurance coverage
- Proof of licensure for installing fire systems in the State of North Carolina
- Any industry specific certifications (such as NICET)
- Contractor's Warranty (if applicable)
- Manufacturer's Warranty (if applicable)
- Completed Maintenance and Monitoring Questionnaire (with associated references if applicable)

4) In-Kind:

UCCA is required to provide a **20% Non-Federal Match** for the federally funded Head Start and Early Head Start programs. Bidders must detail any in-kind services and/or discounts applicable to UCCA in the submitted proposal, as well as an approximate value of in-kind services. Contractors who provide in-kind shall reflect the in-kind contributions on invoices submitted to UCCA. **NOTE: It is not a requirement that Bidders provide in-kind to be considered for award.**

North Carolina Charitable Solicitation: Financial information about Union County Community Action, Inc. and a copy of our Charitable Solicitation License are available from the State Solicitation Licensing Branch at (919) 807-2000. This license is not an endorsement by the State.

IV. CONDITIONS TO BIDDING

1) Site Investigation:

The Contractor acknowledges that they have satisfied themselves as to the nature and location of the work, the general and local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads and uncertainties of weather, ground water table or similar physical conditions at the site, the conformation and condition of the ground, the character, quality and quantity of surface and subsurface materials to be encountered, the character of equipment and facilities needed prior to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this contract. Any failure by the Contractor to acquaint themselves with all the available information concerning these conditions will not relieve them from the responsibility of estimating properly the difficulty or cost of successfully performing the work. Field measurements may be taken at the site by the Contractor to verify all data and conditions affected by the work.

2) Insurance & Licensing:

The Contractor shall maintain General Liability Insurance from an insurance company to cover bodily injury and/or property damage. The Contractor shall also maintain Worker's Compensation Insurance, as required by the laws of North Carolina.

The Contractor is also responsible for ensuring they are licensed by the State of North Carolina to install fire alarm systems.

3) Contractual Obligation(s):

The terms and conditions set forth within this RFP will be part of a contractual agreement between UCCA and the awarded Contractor(s) once the successful proposal is offered by UCCA and accepted by the awarded Contractor(s).

4) Review Process:

UCCA may, at its discretion, request meetings with any or all Bidders to clarify or negotiate modifications to the Bidders' proposals. Answers to any questions submitted to one Bidder will be

furnished in writing to all Bidders. UCCA reserves the right to make an award without further discussion of the proposals submitted; therefore, proposals should be initially submitted on the most favorable term, from both technical and price standpoints, which the Bidder can propose.

5) Debarment/Suspension:

All Bidders providing a proposal in response to this RFP certify that the entity represented is not debarred from federal, state, or local contracts and thus ineligible to receive federal, state, or local dollars as compensation for work completed in relation to the services included in the RFP.

6) Post-Award Debarment:

The awarded Contractor shall notify UCCA immediately should the awarded contractor become barred or suspended from eligibility to receive compensation under federal, state, or local contracts.

7) Advertising:

In submitting a proposal to UCCA, the Bidder agrees not to use the results of their proposal as a part of any commercial advertising without prior approval of UCCA.

8) Confidentiality:

In submitting a proposal, the Bidder agrees not to discuss or otherwise reveal the contents of the proposal to any outside source until after the award. Bidders not in compliance with this provision may be excluded from the proposal. Only discussion authorized by UCCA is exempt from this provision.

9) Cost of Preparing Bids:

All costs associated with the preparation of this bid, including the costs of determining the nature of the engagement, preparing the bid, submitting the bid, negotiating for the contract and any other costs associated with responding to this Request for Proposal are the sole responsibility of the Bidder and UCCA will not reimburse any costs incurred in preparation of this proposal. All responses will become the property of UCCA once submitted in response to this RFP.

V. GENERAL CONTRACT TERMS & PROVISIONS

Payment:

Payment will be issued upon successful completion of the project as determined by UCCA during a final project review and upon submission of an approved invoice.

Availability of Funds:

UCCA reserves the right to retract the award prior to the start of the project.

Small and/or Minority-Owned Businesses:

Efforts will be made by UCCA to utilize small and minority-owned businesses, women’s business enterprises, and labor surplus area firms when possible (2 CFR 200.321).

Davis-Bacon Act Compliance (Amended 4/8/24)

Contractors must adhere to the Davis-Bacon prevailing wage requirements to provide the services listed in this RFP. For more information, please visit <https://sam.gov/content/wage-determinations>

General Indemnity:

The Contractor shall save and hold harmless, pay on behalf of, protect, defend, indemnify UCCA assume entire responsibility and liability for losses, expenses, demands and claims in connection with or arising out of any injury, or alleged injury (including death) to any person, or damage, or alleged damage, to

property of or others sustained or alleged to have been sustained in connection with or to have arisen out of or resulting from the performance or the intended performance of any work/service, outlined or resulting from this agreement, by the Contractor or their employees, including losses, expenses or damages sustained by officials (including the Executive Director, the Board of Directors, as well as employees) from any and all such losses, expenses, damages, demands and claims. The Contractor further agrees to defend any suit or action brought against officials (as outlined above) based on any such alleged injury or damage and to pay all damages, cost and expenses in connection therewith or resulting therefrom. As an integral part of this agreement, the Contractor agrees to purchase and maintain, during the life of this contract, general liability insurance as outline above. The obligations of the Contractor pursuant to this paragraph shall not be limited in any way by any limitation in the amount or type of proceeds, damages, compensation, or benefits payable under any policy of insurance or self- insurance maintained by or for the use and benefit of the Contractor.

Independent Contracting:

Both parties, in the performance of this contract, shall be acting in their individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agency of one party shall not be construed to be the employees or agency of the other party for any purpose, whatsoever.

Termination:

Either party reserves the right to terminate the awarded contract with or without cause by notifying the other in writing 30 days prior to the termination date. Written notice of termination must be sent via certified U. S. mail to the last known address of the recipient.

CERTIFICATION STATEMENT

By submitting this bid, the potential Contractor certifies the following:

- ✓ Site Investigation: The Contractor acknowledges that he has satisfied himself as to the nature and location of the Work, the general and local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads and uncertainties of weather, ground water table or similar physical conditions at the site, the conformation and condition of the ground, the character, quality and quantity of surface and subsurface materials to be encountered, the character of equipment and facilities needed prior to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this contract. Any failure by the Contractor to acquaint himself with all the available information concerning these conditions will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work. Field measurements shall be taken at the site by the Contractor to verify all data and conditions affected by the work.
- ✓ The proposal is signed by an authorized representative of the entity.
- ✓ All costs, direct and indirect, have been determined and are included in the pricing proposal.
- ✓ No substantial conflict of interest exists which influenced the submitted bid.
- ✓ The Bidder is not debarred or suspended from receiving compensation under federal, state, or local contracts.
- ✓ The bidder has read and understands the terms, conditions, and requirements set forth in this Request for Proposal and agrees to them with no exceptions. If exceptions exist, those exceptions must be certified and attached to this bid and noted below.
- ✓ Do you have any exceptions to this bid? If so, describe below:

Therefore, in accordance to this RFP and subject to all conditions here in, the undersigned offers and agrees to perform the services in accordance with the specifications and conditions of this RFP at the prices quoted providing this RFP is accepted within 90 days from the date of submission.

Individual/Entity Represented: _____

By: _____

Signature

Name

Title

Date

VENDOR PROFILE & CERTIFICATION

Item: Fire Alarm System Replacement

Agency: Union County Community Action, Inc.

We submit a proposal to furnish requirements in accordance with the specifications listed herein. I hereby certify that I (we) do not have any substantial conflict of interest sufficient to influence the bidding process on this bid. A conflict of substantial interest is one which a reasonable person would think would compromise the open competitive bid process. I (we) further certify that the entity represented in this submitted proposal is not barred from receiving federal funds.

Legal Name of Person/Entity Represented:

Telephone:

Fax:

Email:

Mailing Address:

Physical Address:

Social Security/Federal Employer Identification Number:

DUNS Number:

Authorized Signature:

Date:

Typed or Printed Name:

Title:

DISCLOSURE OF DEBARMENT & SUSPENSION STATUS

- 1) The Offeror certifies, to the best of its knowledge and belief, that—
 - (i) The Offeror and/or any of its Principals—
 - a. Are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;
 - b. Have not within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) contract or subcontract; violation of Federal or State antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, violating Federal criminal tax laws, or receiving stolen property
 - c. Are not presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in paragraph (a)(1)(i)(B) of this provision;
 - d. Have not within a three-year period preceding this offer, been notified of any delinquent Federal taxes in an amount that exceeds \$3,000 for which the liability remains unsatisfied.
- 2) “Principal,” for the purposes of this certification, means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).
- 3) The Offeror shall provide immediate written notice to the Buyer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- 4) The certification will be considered in connection with a determination of the Offeror’s responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Buyer may render the Offeror non responsible.
- 5) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a). The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 6) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Contractor, the Buyer may terminate the contract resulting from this solicitation for default.

Contractor: _____

Signature: _____ **Date:** _____

Printed Name: _____ **Title:** _____

REFERENCES

Bidders must provide contact information for three (3) professional references. References should consist of previous customers who purchased goods or services similar to those described in this RFP.

Reference #1

Company: _____

Contact: _____

Telephone: _____

Email: _____

Reference #2

Company: _____

Contact: _____

Telephone: _____

Email: _____

Reference #3

Company: _____

Contact: _____

Telephone: _____

Email _____



**SHULTZ
ENGINEERING
GROUP, PC**

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NC TBA LICENSE NUMBER: C-0888



2/22/24

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	GENERAL
	120/208 VOLT DISTRIBUTION OR BRANCH CIRCUIT PANELBOARD.
FIRE ALARM SYSTEM	
	FIRE ALARM SYSTEM CONTROL PANEL WITH BATTERY BACK-UP.
	FIRE ALARM SYSTEM FLUSH-MOUNTED REMOTE ANNUNCIATOR.
	FIRE ALARM SYSTEM MANUAL PULL STATION. ADA COMPLIANT, MOUNT 46" A.F.F. TO CENTER. SUBSCRIPT "VC", ADJACENT TO PULL STATION, INDICATES WANDAL COVER WITH SCREECHER ALARM TO INHIBIT TAMPERING.
	FIRE ALARM SYSTEM COMBINATION SPEAKER/STROBE INDICATING DEVICE. ADA COMPLIANT, SURFACE MOUNT TO FINISHED CEILING. SUBSCRIPT INDICATES CANDELA RATING OF STROBE. ALL STROBES SHALL BE 110 CANDELA UNLESS OTHERWISE NOTED.
	FIRE ALARM SYSTEM STROBE ONLY INDICATING DEVICE. ADA COMPLIANT, SURFACE MOUNT TO FINISHED CEILING. SUBSCRIPT INDICATES CANDELA RATING OF STROBE. ALL STROBES SHALL BE 110 CANDELA UNLESS OTHERWISE NOTED.
	FIRE ALARM SYSTEM PHOTOELECTRIC TYPE AUTOMATIC SMOKE DETECTOR.
	FIRE ALARM VOICE EVACUATION SYSTEM CALL BOX.
	FIRE ALARM SYSTEM COMBINATION SMOKE/CARBON MONOXIDE DETECTOR.
	FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR. COORDINATE TEMPERATURE RATING WITH SPRINKLER HEADS.
	FIRE ALARM SYSTEM PHOTOELECTRIC TYPE DUCT-MOUNTED SMOKE DETECTOR.
	EXISTING FIRE ALARM DEVICES TO BE REPLACED WITH NEW OR AS NOTED OTHERWISE.

SPECIFICATIONS

<p>SECTION 1610 <u>ELECTRICAL SYSTEMS DESCRIPTIONS</u></p> <p>A. PROJECT INCLUDES</p> <p>1. ELECTRICAL SYSTEMS FOR THE FOLLOWING APPLICATIONS: REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOLLOWING FOR DETAILED REQUIREMENTS.</p> <ul style="list-style-type: none"> a. POWER AND DISTRIBUTION. b. FIRE ALARM. <p>B. PRODUCTS</p> <p>1. SYSTEMS, PRODUCTS, AND STANDARDS ARE LISTED IN INDIVIDUAL SPECIFICATION SECTIONS WHICH FOLLOW.</p> <p>2. ALL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NEW AND LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY APPROVED BY THIS STATE.</p> <p>C. GENERAL PROJECT REQUIREMENTS</p> <p>1. PROVIDE ALL WORK AND MATERIALS FOR THE INSTALLATION OF COMPLETE WIRING SYSTEMS AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS.</p> <p>2. ALL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.</p> <p>3. CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.</p> <p>4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2013 N.F.P.A., 2020 NATIONAL ELECTRICAL CODE (N.E.C.), AND ALL APPLICABLE STATE AND LOCAL CODES.</p> <p>5. CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING FOR INSTALLATION OF ELECTRICAL WORK AND REPAIR ANY DAMAGE DONE.</p> <p>6. SHOP DRAWINGS AND CATALOG DATA SHALL BE SUBMITTED FOR FIRE ALARM EQUIPMENT. SHOP DRAWINGS SHALL BE SUBMITTED AS SPECIFIED IN ARCHITECTURAL SPECIFICATIONS, OR AT A MINIMUM, PROVIDE AN ELECTRONIC "PDF" FILE OF ALL SUBMITTAL MATERIALS.</p> <p>7. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ANY NEW WIRING RIGUIDS, MOTOR STARTERS AND DISCONNECT SWITCHES. LABELS SHALL BE WHITE LETTERS ON BLACK FIELD NAMEPLATE. SHALL INDICATE EQUIPMENT NAME, VOLTAGE AND CIRCUIT/FEEDER SERVING EQUIPMENT (WHERE APPLICABLE).</p> <p>8. CONTRACTOR SHALL TEST ALL WIRING FOR CONTINUITY AND GROUNDS PRIOR TO WIRING BEING ENERGIZED. FAULTY WIRING SHALL BE REPLACED.</p> <p>9. EACH BIDDER SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO FAMILIARIZE HIMSELF/HERSELF WITH EXISTING CONDITIONS. FAILURE TO VISIT SITE SHALL NOT EXCUSE CONTRACTOR FROM PERFORMING REQUIRED WORK, NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.</p> <p>10. THE EXISTING PORTIONS OF THIS FACILITY WILL REMAIN IN OPERATION DURING THIS CONSTRUCTION. CONTRACTOR SHALL CAUSE AS LITTLE DISRUPTION AS POSSIBLE TO THE FUNCTIONING OF THE FACILITY IN ORDER TO MAINTAIN THE COMFORT AND SAFETY OF THE OCCUPANTS.</p> <p>11. IF APPLICABLE, PROVIDE MIN. 24" HORIZONTAL SEPARATION BETWEEN BOXES INSTALLED IN OPPOSITE SIDES OF THE SAME FIRE-RATED WALL AS REQUIRED BY N.E.C. ART. 300.21</p> <p>12. IF APPLICABLE, FIRE-STOPPING OF PENETRATIONS IN RATED WALLS AND FLOORS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE MOST RECENT, ADOPTED EDITION OF THE STATE BUILDING CODE USING APPROVED ASSEMBLIES SUCH AS THE FOLLOWING:</p> <p>CONDUIT PENETRATIONS OF 1, 2 OR 4 HOUR GYPSBOARD WALLS – ULL #M-1-1000</p> <p>CONDUIT PENETRATIONS OF 1 OR 2 HOUR CONCRETE WALLS OR FLOORS, OR BLOCK WALLS – ULL #C-AJ-1044</p> <p>CONDUIT PENETRATIONS OF 4 HOUR CONCRETE WALLS OR FLOORS, OR BLOCK WALLS – ULL #C-AJ-1044</p> <p>13. IF APPLICABLE, IN REQUIRED FIRE-RATED WALLS AND PARTITIONS, OPENINGS FOR INSTALLATION OF BOXES THAT ARE GREATER THAN 16 SQUARE INCHES SHALL BE PROTECTED AS REQUIRED BY A THIRD PARTY TESTING AGENCY APPROVED BY THIS STATE. COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO INSURE THAT THE INTEGRITY OF THE RATING IS MAINTAINED.</p> <p>14. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS AND TRADES TO</p>	<p>COORDINATE THE INSTALLATION OF THEIR WORK WITH THE INSTALLATION OF WORK BY ALL OTHER CONTRACTORS AND TRADES. THE REQUIREMENTS OF THESE DRAWINGS, GENERAL REQUIREMENTS AND ALL ITEMS OF THE CONTRACT DOCUMENTS ARE EQUALLY BINDING ON ALL CONTRACTORS AND TRADES. EACH CONTRACTOR IS REQUIRED TO MAINTAIN FULL SETS OF THE CONTRACT DOCUMENTS FOR HIS EMPLOYEES' USE, ON THE PROJECT, TO ASSURE THAT ALL WORK IS PROPERLY COORDINATED AND INSTALLED WITH THE WORK OF OTHER CONTRACTORS AND TRADES.</p> <p>15. WHENEVER THERE ARE DISCREPANCIES BETWEEN DRAWINGS, OR BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR CONFLICTS WITHIN THE SPECIFICATIONS AND/OR DRAWINGS, AND SUCH DISCREPANCY IS NOT CALLED TO THE ENGINEER'S ATTENTION IN TIME TO PERMIT CLARIFICATION BY ADDENDUM, THE CONTRACTOR SHALL BASE HIS BID UPON PROVING THE BETTER QUALITY OR GREATER WORK OR MATERIAL CALLED FOR, SHALL SUBMIT A WRITTEN STATEMENT WITH HIS PROPOSAL NOTING SUCH DISCREPANCIES, AND SHALL SO FURNISH AND INSTALL SUCH BETTER QUALITY OR GREATER QUANTITY UNLESS OTHERWISE ORDERED IN WRITING.</p> <p>16. CONTRACTOR SHALL ASSUME FULL LIABILITY FOR ANY WORK, EQUIPMENT AND MATERIALS PURCHASED AND/OR INSTALLED THAT ARE IN DISCREPANCY, IF IT IS NOT FIRST BROUGHT TO THE ATTENTION OF THE ENGINEER, IN WRITING, FOR CLARIFICATION. IF NOT BROUGHT TO THE ENGINEER'S ATTENTION, CONTRACTOR SHALL PAY FOR ANY EQUIPMENT, MATERIALS AND WORK THAT MUST BE REPLACED.</p> <p>SECTION 1611 <u>ELECTRICAL DEMOLITION</u></p> <p>A. EXECUTION</p> <p>1. THE EXTENT OF THE ELECTRICAL DEMOLITION WORK IS INDICATED ON THE ELECTRICAL AND ARCHITECTURAL DRAWINGS AND SPECIFIED HEREIN.</p> <p>2. WHILE DEMOLISHING THE EXISTING ELECTRICAL SYSTEMS, ALL NECESSARY MODIFICATIONS TO THE PORTIONS OF THE EXISTING SYSTEMS, WHICH ARE TO REMAIN, SHALL BE MADE SO THAT THE ENTIRE SYSTEM(S) CONTINUES TO FUNCTION AS INTENDED, EVEN AFTER DEMOLITION AND ASSOCIATED NEW CONSTRUCTION.</p> <p>3. ELECTRICAL DEMOLITION, RELOCATION OF EXISTING EQUIPMENT, AND ANY CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF THIS NEW ELECTRICAL WORK IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.</p> <p>4. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING BUILDING AND WITH THE WORK OF ALL OTHER TRADES AND INCLUDE ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE DEMOLITION.</p> <p>5. IT SHALL BE UNDERSTOOD THAT FIELD CONDITIONS MAY BE ENCOUNTERED DURING THE EXECUTION OF THIS CONTRACT, WHICH WILL REQUIRE EXTENSION OR RELOCATION OF EXISTING SYSTEMS OR EQUIPMENT WHICH ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS, BUT WHICH ARE REQUIRED TO MEET THE STATED INTENT THAT THE BUILDING CONTINUES TO FUNCTION UNIMPACTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION. THIS CONTRACT SHALL INCLUDE SUCH WORK AS WOULD NORMALLY BE EXPECTED IN AN EXISTING BUILDING OF THIS AGE AND TYPE.</p> <p>6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, REGARDING DEMOLITION OF THE EXISTING ELECTRICAL SYSTEMS, AS IS NECESSARY, SO THAT THE DEMOLITION OF THE GENERAL CONTRACTOR SHALL NOT DAMAGE THOSE PORTIONS OF THE ELECTRICAL SYSTEMS THAT ARE TO REMAIN IN SERVICE, ARE TO BE REUSED, OR ARE TO BECOME THE PROPERTY OF THE OWNER.</p> <p>7. ALL SALVAGEABLE MATERIALS RESULTING FROM DEMOLITION SHALL REMAIN THE PROPERTY OF THE OWNER. THE OWNER SHALL DETERMINE WHAT IS SALVAGEABLE. SALVAGEABLE ITEMS SHALL BE TURNED OVER TO THE OWNER. NON-SALVAGEABLE ITEMS SHALL BE PROPERLY DISPOSED OF BY THE ELECTRICAL CONTRACTOR.</p> <p>8. EQUIPMENT OR MATERIALS WHICH ARE TO BE REUSED OR TURNED OVER TO THE OWNER SHALL BE CAREFULLY REMOVED AND STORED IN A CLEAN, DRY AREA. SHOULD THE CONTRACTOR ENCOUNTER SUCH EQUIPMENT WHICH IS NOT IN SATISFACTORY CONDITION FOR REUSE AND NOT IN WORKING ORDER, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY.</p> <p>9. ELECTRICAL CONTRACTOR SHALL DISCONNECT ELECTRICAL SYSTEMS TO ALL EQUIPMENT REQUIRING REMOVAL, AND SHALL DISCONNECT AND REMOVE ALL RECEPTACLES AND TELEPHONE OUTLETS FROM PARTITIONS TO BE DEMOLISHED. CONDUIT SHALL BE REMOVED BACK TO THE POINT WHERE IT WILL BE CONCEALED AT THE COMPLETION OF THIS CONTRACT. WIRE AND CABLE SHALL BE REMOVED BACK TO THE FIRST OUTLET BOX, PANELBOARD, CABINET OR TERMINATION POINT WHICH IS TO REMAIN.</p> <p>10. WHERE NEW WALL OR FLOOR FINISHES CONFLICT WITH EXISTING</p>	<p>ELECTRICAL WORK THAT IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED OR PROVIDE BOX EXTENSIONS OR SIMILAR DEVICES AND REINSTALL ON THE NEW FINISH.</p> <p>11. REMOVE ANY ABANDONED CONDUITS, WIRING AND BOXES ENCOUNTERED WITHIN THE PROJECT EXTENTS.</p> <p>SECTION 16110 <u>RACEWAYS AND BOXES</u></p> <p>A. PROJECT INCLUDES</p> <p>1. ELECTRICAL CONDUIT, TUBING, SURFACE RACEWAYS, BOXES, AND CABINETS FOR ELECTRICAL POWER AND SIGNAL DISTRIBUTION.</p> <p>B. PRODUCTS</p> <p>1. WIRING METHODS:</p> <ul style="list-style-type: none"> a. CONCEALED OR EXPOSED INDOOR WIRING: ZINC-COATED ELECTRICAL METALLIC TUBING FOR SIZES 1/2" THROUGH 4", INTERMEDIATE STEEL CONDUIT FOR SIZES LARGER THAN 4". b. EXPOSED OUTDOOR WIRING: RIGID OR INTERMEDIATE STEEL CONDUIT. c. CONCEALED OUTDOOR WIRING: INTERMEDIATE STEEL CONDUIT OR SCHEDULE 80 OR 40 PVC. d. UNDERGROUND WIRING, SINGLE RUN: SCHEDULE 80 OR 40 PVC. e. UNDERGROUND WIRING, GROUPED: SCHEDULE 80 OR 40 PVC. f. CONNECTION TO EQUIPMENT: FLEXIBLE METAL CONDUIT, LULLIGHT AT EXTERIOR OR IN DAMP LOCATIONS. <p>2. FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE HEXAGONAL, GALVANIZED STEEL, GLAND TYPE, COMPRESSION OR SET-SCREW TYPE AND THREADLESS.</p> <p>3. RACEWAY ACCESSORY MATERIALS:</p> <ul style="list-style-type: none"> a. CONDUIT BOXES: SHALL COMPLY WITH N.E.C. REQUIREMENTS. b. SURFACE RACEWAYS, METALLIC: GALVANIZED STEEL, WITH SNAP-ON COVERS AND IVORY ENAMEL FINISH. SURFACE RACEWAY MAY ONLY BE USED WITH PRIOR, WRITTEN APPROVAL FROM OWNER, ARCHITECT AND ENGINEER. c. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL WIRES AND NYLON BUSHINGS AT BOTH ENDS. <p>4. BOXES AND FITTINGS:</p> <ul style="list-style-type: none"> a. CABINET BOXES: CODE GAUGE GALVANIZED SHEET METAL, NEMA 1 –INDOORS, NEMA 3R –OUTDOORS OR IN DAMP LOCATIONS. b. PULL AND JUNCTION BOXES: CODE GAUGE GALVANIZED SHEET METAL, NEMA 1 –INDOORS, NEMA 3R –OUTDOORS OR IN DAMP LOCATIONS. c. METAL OUTLET, DEVICE AND SMALL WIRING BOXES: SHALL COMPLY WITH UL 514A. d. CONDUIT RUN THROUGH BUILDING EXPANSION JOINTS SHALL HAVE APPROPRIATE CONDUIT EXPANSION FITTINGS. <p>C. EXECUTION</p> <p>1. PROPERLY SUPPORT ALL CONDUITS WITH STRAPS AND CLAMPS PER THE MOST RECENT, ADOPTED EDITIONS OF THE N.E.C. AND STATE BUILDING CODE. RUN ALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING WALLS/SURFACES.</p> <p>2. MINIMUM CONDUIT SIZE ABOVE SLAB/GRADE SHALL BE 1/2", MINIMUM CONDUIT SIZE IN OR BELOW FLOOR SLAB SHALL BE 3/4".</p> <p>3. RACEWAY PENETRATIONS THROUGH FLOOR SLABS AND FIRE-RATED WALLS SHALL BE FILLED WITH IMPERVIOUS, NON-SHRINK GROUT SUFFICIENTLY TIGHT TO PREVENT THE TRANSFER OF SMOKE, FIRE, WATER, AND DUST. ROOF PENETRATIONS SHALL BE WITHIN THE EQUIPMENT CURB.</p> <p>4. CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SHALL HAVE JOINTS MADE WATER-TIGHT BY USING A POLYETHYLENE-FLUOROPHTHELENE TAPE. ALL METALLIC UNDERGROUND CONDUITS SHALL BE THOROUGHLY COATED WITH TWO COATS OF ASPHALTUM OR BITUMASTIC.</p> <p>5. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.</p> <p>SECTION 16120 <u>WIRES AND CABLES</u></p> <p>A. PROJECT INCLUDES</p> <p>1. WIRES, CABLES, AND CONNECTORS FOR POWER, LIGHTING, SIGNAL, CONTROL, AND RELATED SYSTEMS RATED 600 VOLTS AND LESS.</p> <p>B. PRODUCTS</p> <p>1. WIRE COMPONENTS:</p> <ul style="list-style-type: none"> a. CONDUCTORS FOR POWER AND LIGHTING CIRCUITS: SOLID CONDUCTORS FOR SIZES #14 AWG THROUGH #8 AWG, STRANDED CONDUCTORS FOR #6 AWG AND LARGER. b. CONDUCTOR MATERIAL: COPPER. c. INSULATION: THHN/THWN. d. JACKETS: FACTORY-APPLIED NYLON OR PVC, COLOR CODED. <p>(2)-DEDICATED TELEPHONE LINES FOR USE BY TRANSMITTER, IF REQUIRED BY LOCAL AHA.</p> <ul style="list-style-type: none"> k. EMERGENCY POWER SUPPLY: INTEGRAL BATTERY OPERATED, 24-HOUR OPERATION CAPACITY. l. LINE-VOLTAGE AND LOW-VOLTAGE CIRCUITS: SOLID COPPER CONDUCTORS WITH RATED INSULATION, COLOR CODED, PER MANUFACTURER'S RECOMMENDATIONS. m. CONDUIT: SEE SECTION 16110 FOR APPROPRIATE TYPE. <p>D. EXECUTION</p> <ul style="list-style-type: none"> a. FIRE MARSHALL APPROVAL OF FIRE ALARM AND SPRINKLER SYSTEM SHOP DRAWINGS SHALL BE ON SITE BEFORE ABOVE CEILING INSPECTIONS ARE PERFORMED. PRODUCTS WITHOUT APPROVED SHOP DRAWINGS ON SITE WILL HAVE ABOVE CEILING INSPECTIONS WITHHELD. b. ALL NEW DEVICES, CABLING, ETC. SHALL MATCH EXISTING SYSTEM. c. CONTRACTOR SHALL PROVIDE NEW CONTROL CARDS, BATTERIES, POWER SUPPLIES, UPGRADES AS NECESSARY ETC. TO EXISTING SYSTEM, AS NEEDED TO ACCOMMODATE NEW DEVICES. <p>SECTION 16140 <u>WIRING DEVICES</u></p> <p>A. PROJECT INCLUDES</p> <p>1. WIRING DEVICES FOR ELECTRICAL SERVICE.</p> <p>B. PRODUCTS</p> <p>1. WIRING DEVICES AND COMPONENTS:</p> <ul style="list-style-type: none"> a. RECEPTACLES: 20-AMP DUPLEX (HUBBELL #5362, OR APPROVED EQUIVALENT). b. COLOR OF ALL DEVICES AND COVERPLATES TO MATCH EXISTING BUILDING STANDARD, UNLESS OTHERWISE NOTED ON DRAWINGS. c. ALL 125V AND 250V NON-LOCKING TYPE RECEPTACLES SHALL BE TAMPER RESISTANT TYPE UNLESS PERMITTED OTHERWISE BY NEC 406.12. d. ALL 125V AND 250V RECEPTACLES LOCATED WITHIN 6' OF WATER SOURCES AND OUTDOORS SHALL BE WEATHER RESISTANT TYPE WITH THE LISTING "WF" ON FACE OF RECEPTACLE. <p>C. EXECUTION</p> <p>1. DUPLEX RECEPTACLES SHALL BE 20-AMP, UNLESS NOTED OTHERWISE.</p> <p>2. DEVICES/OUTLET BOXES SHALL NOT BE MOUNTED BACK-TO-BACK IN WALLS.</p> <p>3. WEATHERPROOF COVERS SHALL PROTECT THE OUTLET WHILE IN USE, EQUIVALENT TO LEVITON #8989. COVERS SHALL BE EXTRA DEEP, METALLIC WITH OUTLET MOUNTED IN HORIZONTAL ORIENTATION.</p> <p>4. PROVIDE ALL OUTLETS (INCLUDING TELEPHONE) WITH APPROPRIATE COVERPLATES.</p> <p>SECTION 16221 <u>FIRE ALARM SYSTEMS</u></p> <p>A. PROJECT INCLUDES</p> <p>1. ADDRESSABLE, MICROPROCESSOR-BASED FIRE DETECTION ALARM SYSTEM WITH MANUAL AND AUTOMATIC ALARM INITIATION.</p> <p>B. QUALITY ASSURANCE</p> <p>1. COMPLIANCE: NFPA 70, 71, 72.</p> <p>C. PRODUCTS</p> <p>1. FIRE ALARM SYSTEM CHARACTERISTICS:</p> <ul style="list-style-type: none"> a. SIGNAL TRANSMISSION: DEDICATED MULTIPLEX SIGNAL TRANSMISSION. b. AUDIBLE ALARM INDICATION: ELECTRONIC HORNS <p>2. FIRE ALARM SYSTEM COMPONENTS:</p> <ul style="list-style-type: none"> a. MANUAL PULL STATIONS: DOUBLE-ACTION TYPE, METAL OR PLASTIC. b. SMOKE DETECTORS: SELF-RESTORING TYPE WITH VISUAL INDICATOR, PHOTOELECTRIC-TYPE. c. DUCT DETECTORS: PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR. d. THERMAL DETECTORS: FIXED-TEMPERATURE AND RATE-OF-RISE TYPE. e. FIRE ALARM HORNS: ELECTRONIC TYPE WITH FIELD SELECTABLE PATTERN. f. VISUAL ALARM DEVICES: DUAL-VOLTAGE STROBE LIGHTS, ADA COMPLIANT, 45° SOLID ANGLE, 110 CANDELA, UNLESS NOTED OTHERWISE ON DRAWINGS. g. DEVICE LOCATION-INDICATING LIGHTS: SYSTEM-VOLTAGE INDICATING LIGHT. h. MAGNETIC DOOR HOLDERS: WALL MOUNTED TYPE. UPON FIRE ALARM SYSTEM GOING INTO ALARM, ALL DOOR HOLDERS SHALL BE RELEASED ALLOWING ASSOCIATED DOOR TO BE CLOSED. i. FIRE ALARM CONTROL PANEL: UL 864 WITH LOCKABLE STEEL ENCLOSURE AND ALPHANUMERIC DISPLAY AND SYSTEM CONTROLS. j. TRANSMITTER: PROVIDE TRANSMITTER TYPES FOR CELLULAR COMMUNICATIONS TO CONTROL STATION. IF AHA REQUIRES OTHER FORM OF COMMUNICATION SUCH AS VOIP, RADIO COMMUNICATIONS, DIGITAL AUTO-DIALER TYPE, PROVIDE ACCORDING. FOR DUCT INSTALLATIONS, PROVIDE TWO
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SHEET INDEX	
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ISSUE FOR		
PERMIT/CONSTRUCTION		
ISSUE DATE		
FEBRUARY 19, 2024		
DRAWN BY		
REVISIONS		
NO.	REASON	DATE
PROJECT NAME		
UCCA FIRE ALARM RENOVATION WADESBORO, NC		
PROJECT NO.		
24-048		
SHEET TITLE		
FIRE ALARM NOTES AND SPECIFICATIONS		
SHEET NUMBER		
FA1		



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2/22/24

FIRE ALARM SEQUENCE OF OPERATION

UPON CHANGE IN STATUS OF ANY DEVICE ON THE SYSTEM, THE FIRE ALARM CONTROL PANEL SHALL ACTIVATE AUDIBLE AND VISIBLE CHANGE INDICATORS AND DISPLAY THE SYSTEM POINT NUMBER, POINT DESCRIPTION AND MESSAGE ASSOCIATED WITH THE POINT. ACTIVATION OF ANY MANUAL STATION, KITCHEN HOOD EXTINGUISHING SYSTEM, WATERFLOW DEVICE, SMOKE DETECTOR, HEAT DETECTOR, SUPERVISORY DEVICE OR OTHER INITIATING DEVICE WILL CAUSE THE FOLLOWING FUNCTIONS TO OCCUR:

MANUAL STATION OPERATION SHALL:

- * ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
- * TRANSMIT AN ALARM SIGNAL TO A UL LISTED CENTRAL STATION.
- * ACTIVATE THE AUDIBLE AND VISUAL NOTIFICATION APPLIANCES ON THE FLOOR.
- * RELEASE THE DOOR LOCKING SYSTEM.

SMOKE DETECTOR OR HEAT DETECTOR OPERATION SHALL:

- * ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY THE SYSTEM POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
- * TRANSMIT AN ALARM SIGNAL TO A UL LISTED CENTRAL STATION.
- * ACTIVATE THE AUDIBLE AND VISUAL NOTIFICATION APPLIANCES ON THE FLOOR.
- * SHUT DOWN AHU'S.

DUCT SMOKE DETECTOR ACTIVATION SHALL:

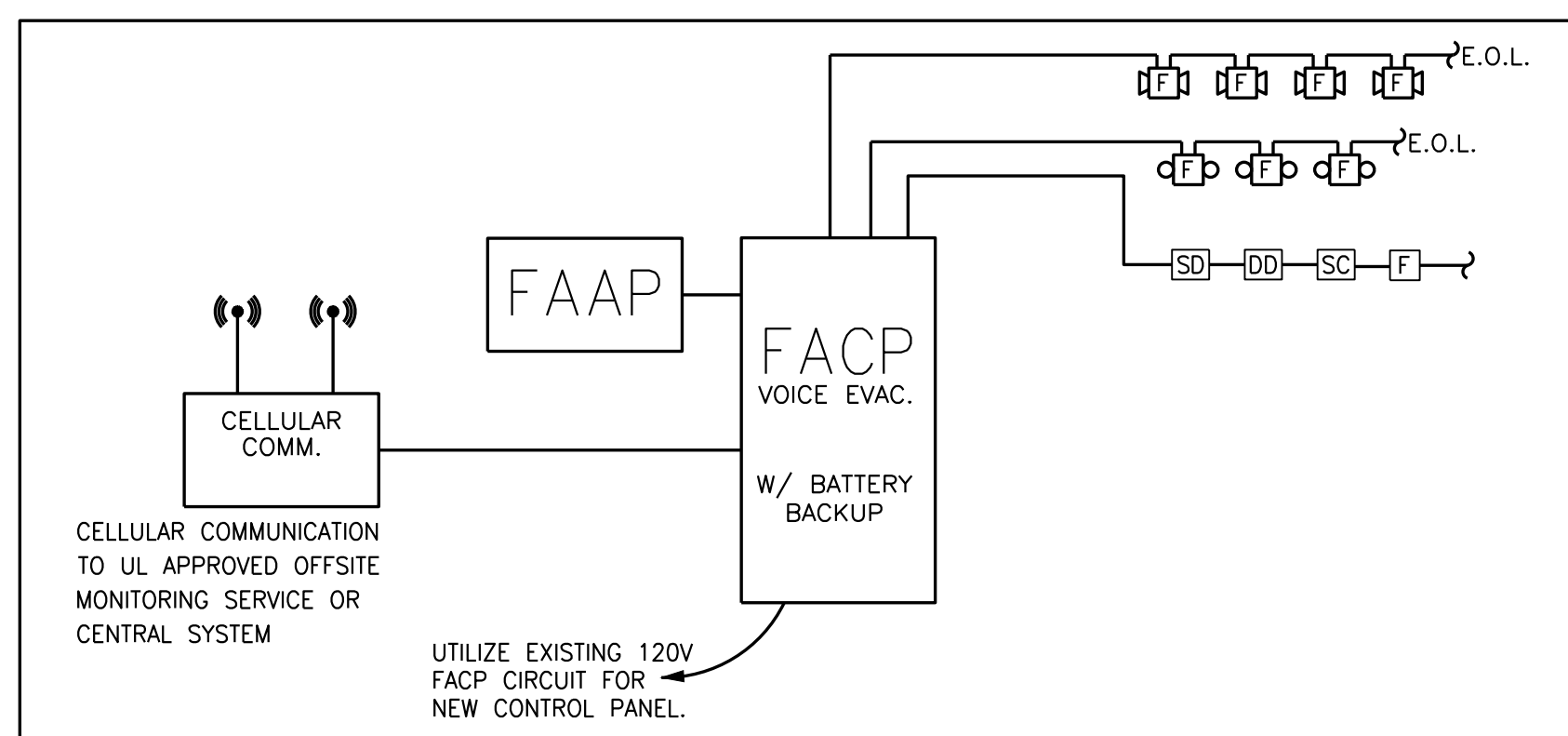
- * ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY THE SYSTEM POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
- * TRANSMIT SUPERVISORY SIGNAL TO A UL LISTED CENTRAL STATION.
- * SHUT DOWN AHU'S.

SUPERVISORY DEVICE ACTIVATION, INCLUDING DUCT DETECTOR SUPERVISORY DEVICES SHALL:

- * ACTIVATE AUDIBLE AND VISUAL STATUS CHANGE INDICATORS AND DISPLAY THE SYSTEM POINT NUMBER, POINT DESCRIPTION, AND MESSAGE ASSOCIATED WITH THE POINT ON THE PANEL.
- * TRANSMIT A SUPERVISORY SIGNAL TO A UL LISTED CENTRAL STATION. THIS SIGNAL SHALL BE DISTINCTLY DIFFERENT THAN A TROUBLE SIGNAL.

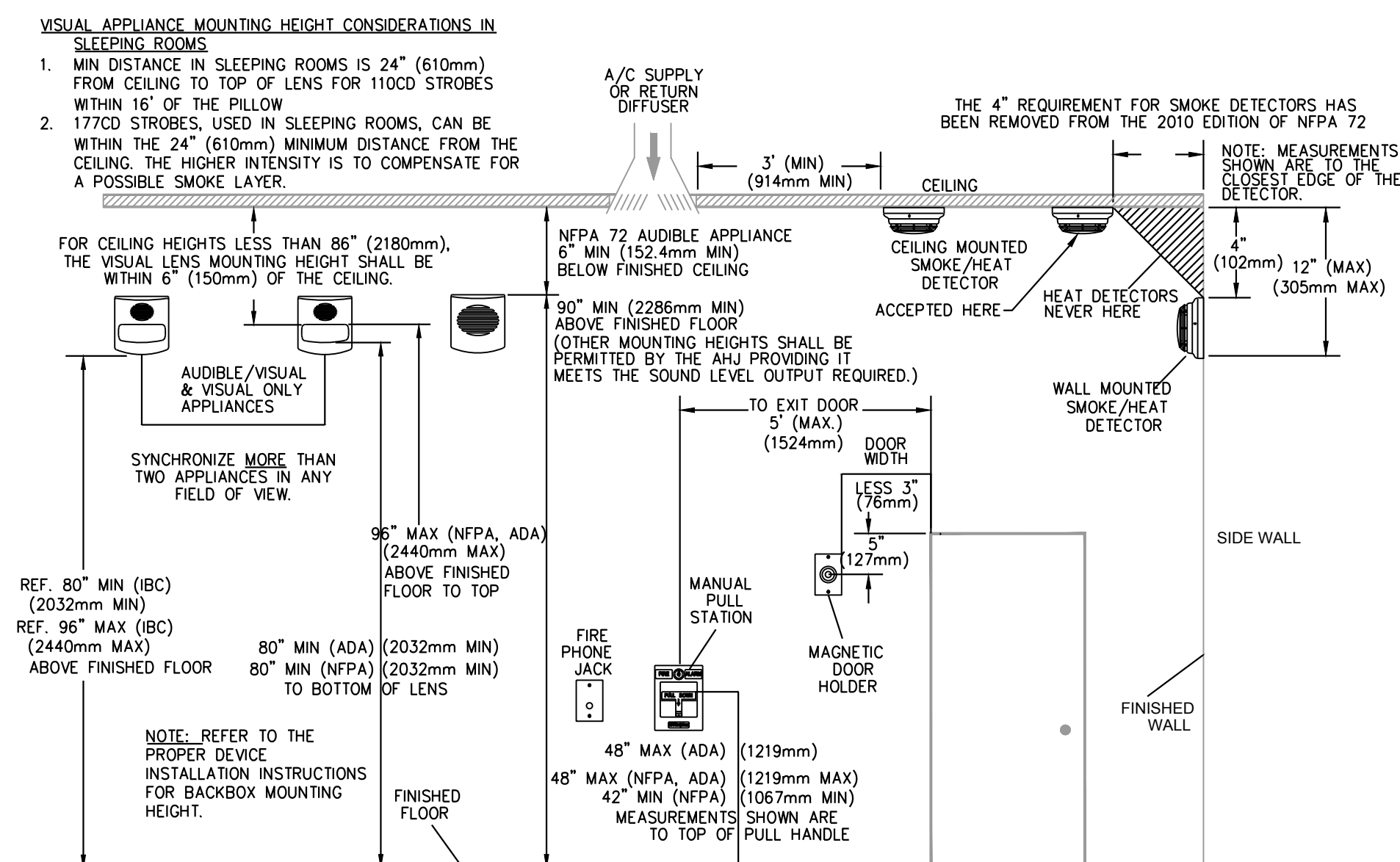
REMOVAL OF ANY DEVICE, WIRING DISARRANGEMENT, OR SYSTEM COMPONENT FAILURE SHALL DISPLAY ON THE OPERATOR TERMINAL, THE CHANGE OF STATUS, TIME, DATE, POINT DESCRIPTION ON A POINT BY POINT BASIS, AND THE MESSAGE ASSOCIATED WITH THE POINT AND TRANSMIT A TROUBLE SIGNAL TO A UL LISTED CENTRAL STATION.

INDICATION EVACUATION TONE SHALL BE VOICE EVACUATION TYPE.



FIRE ALARM SYSTEM NOTES

- ALL DEVICE QUANTITIES SHALL BE TAKEN OFF OF THE FLOOR PLANS. THE RISER DIAGRAM IS DIAGRAMMATIC ONLY.
- ALL FIRE ALARM INITIATING DEVICES SHALL BE ADDRESSABLE TYPE.
- ALL FIRE ALARM WIRING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND N.E.C. REQUIREMENTS.
- WHERE NEW DEVICES ARE SHOWN AT EXISTING BLOCK WALLS, USE SURFACE MOUNT RACEWAY. MATCH EXISTING CONDITIONS AND PROVIDE APPROPRIATE FINISH MATCHING SURROUNDING.
- INSTALLATION OF ALL WIRING AND DEVICES SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CITY CODES AND NFPA CODES.
- UPON FIRE ALARM SYSTEM GOING INTO ALARM, ALL DOOR SECURITY MAG-LOCKS AND ALL DOOR HOLD-OPENS SHALL BE RELEASED, ALLOWING SECURITY DOORS TO OPEN AND FIRE DOORS TO CLOSE.
- FIRE ALARM SYSTEM EQUIPMENT SHALL BE PROVIDED WITH INTEGRAL BATTERY BACK-UP.
- BUILDING FIRE ALARM SYSTEM SHALL COMPLY WITH NFPA 72 AND STATE FIRE CODE.
- THESE DOCUMENTS SPECIFY THE SCOPE OF WORK FOR THE FIRE ALARM SYSTEM. THE ACTUAL INSTALLATION SHALL UTILIZE MANUFACTURER'S SHOP DRAWINGS, INSTALLATION INSTRUCTIONS, WIRING DIAGRAMS, AND APPROVED SUBMITTAL DRAWINGS. THE CONTRACTOR SHALL PREPARE A SUBMITTAL COMPLETE WITH SYSTEM DRAWINGS, PRODUCT CUT SHEETS, BATTERY CALCULATIONS, ETC. AS REQUIRED FOR SUBMITTING TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO SYSTEM INSTALLATION AND PERMITTING.
- WHERE POSSIBLE, RE-USE EXISTING CONDUITS, RACEWAYS FOR NEW FIRE ALARM WORK. EXISTING SYSTEMS UTILIZED METAL RACEWAY, RE-USE AS MUCH AS POSSIBLE. RE-CONFIGURE, MODIFY AS NEEDED. WHERE NEW CONDUIT/SURFACE MOUNT RACEWAYS SHALL BE FINISHED TO MATCH THE EXISTING CONDITION/COLORS OF EXISTING.
- FIRE ALARM CONTRACTOR SHALL BE LICENSED, MINIMUM CERTIFICATION LEVEL OF NICET LEVEL IV.

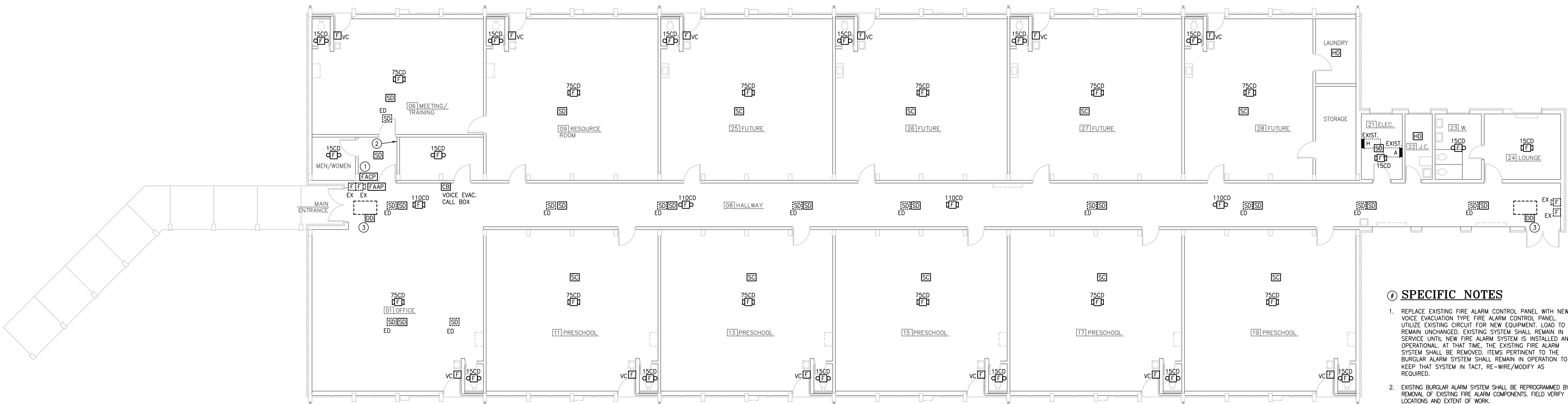


LEGEND

EX - EXISTING DEVICE TO BE REPLACED, DISCONNECT FROM EXISTING FIRE ALARM SYSTEM AND TIE INTO NEW FIRE ALARM VOICE EVACUATION SYSTEM.

ED - EXISTING DEVICE TO BE DEMOLISHED/REMOVED.

(ALL DEVICES SHOWN ARE NEW, UNLESS NOTED OTHERWISE)



SPECIFIC NOTES

- REPLACE EXISTING FIRE ALARM CONTROL PANEL WITH NEW VOICE EVACUATION TYPE FIRE ALARM CONTROL PANEL. UTILIZE EXISTING CIRCUIT FOR NEW EQUIPMENT. LOAD TO REMAIN UNCHANGED. EXISTING SYSTEM SHALL REMAIN IN SERVICE UNTIL NEW FIRE ALARM SYSTEM IS INSTALLED AND OPERATIONAL. AT THAT TIME, THE EXISTING FIRE ALARM SYSTEM SHALL BE REMOVED. ITEMS PERTINENT TO THE BURGLAR ALARM SYSTEM SHALL REMAIN IN OPERATION TO KEEP THAT SYSTEM IN TACT, RE-WIRE/MODIFY AS REQUIRED.
- EXISTING BURGLAR ALARM SYSTEM SHALL BE REPROGRAMMED BY REMOVAL OF EXISTING FIRE ALARM COMPONENTS. FIELD VERIFY LOCATIONS AND EXTENT OF WORK.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING HVAC UNIT AND CONFIRM CFM RETURN FLOW IS BELOW 2,000 CFM. IF HVAC UNIT IS 2,000 CFM OR ABOVE, PROVIDE NEW DUCT MOUNTED SMOKE DETECTOR AS REQUIRED. FIELD COORDINATE EXISTING CONDITIONS AND EXTENT OF WORK.

ISSUE FOR PERMIT/CONSTRUCTION			
ISSUE DATE: FEBRUARY 19, 2024			
DRAWN BY:			
REVISIONS	NO.	REASON	DATE
PROJECT NAME: UCCA FIRE ALARM RENOVATION WADESBORO, NC			
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SHEET TITLE: FIRE ALARM DIAGRAMS AND FLOOR PLAN			
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