

INVITATION FOR BIDS



COMMERCIAL RENOVATION AND REPAIR

PENDER COUNTY

HAMPSTEAD ANNEX AUDITORIUM

**HAMPSTEAD ANNEX
15060 HIGHWAY 17
HAMPSTEAD, NC 28433**

PROJECT HISTORY

The Pender County Hampstead Annex located at 15060 Highway 17 in Hampstead was originally constructed in 1925 as the Topsail High School. It was completely renovated in 2014 and became the Pender County Hampstead Annex. The primary feature of the building is the sloped hard-wood Auditorium complete with a stage and approximately 240 fixed auditorium style seats. Subsequent to the catastrophic damages of Hurricane Florence in September 2018, all of the red oak flooring and a majority of the poplar wood ceiling had to be removed in addition to some of the gypsum board on the ceiling and roof support columns to allow for environmental remediation of the auditorium.

PROJECT SCOPE

The Project consists of the commercial renovation and repairs to the Pender County's Hampstead Annex Auditorium as a result of Hurricane Florence to include, but not be specifically limited to flooring, ceiling, drywall, and carpentry trades to complete the detailed scope of work included in this submittal. Please refer to Exhibit A for further scope details.

NOTICE TO BIDDERS

Pender County invites North Carolina Licensed General Contractors to submit a single-prime Lump-Sum bid for the HAMPSTEAD ANNEX AUDITORIUM REPAIR located at 15060 Highway 17 North, Hampstead, NC 28433. Sealed bids will be received at the **Pender County Facilities and Fleet Department, 210 S. Bennett St., Burgaw, NC 28425 until 3:00 p.m. on Friday, March 15, 2019.** This project will be informally bid and awarded in accordance with North Carolina G.S. 143-129. The Pender County point of contact for this proposal is:

Allen Vann, Director
Pender County Facilities and Fleet Services
210 S. Bennett Street
Burgaw, NC 28425
Phone: (910) 259-1228
Fax: (910) 259-1297
Email: avann@pendercountync.gov

NOTE: This project does not require Bid, Performance, or Payment Bonds.

Contractors are hereby notified that they must have proper license under the State laws governing their respective trades and that North Carolina General Statute 87 will be observed in receiving and awarding contracts.

****Prospective bidders are required to attend a Pre-Bid meeting which will be held at the Pender County Government Hampstead Annex building on March 6, 2019 at 10:00 a.m. A tour of the facility will take place to describe/elaborate the enclosed scope of work.**

****Prospective bidders may call or email Allen Vann, Director at the information listed above in order to receive a copy of the electronic bid package.**

Once submitted, no bid may be withdrawn after the opening of bids for a period of 30 days. The Owner reserves the right to reject any or all bids and waive informalities. Proposals shall be made only on the form provided herein with all blank spaces for bids properly filled in and all signatures properly executed.

Note on the outside of the sealed envelope:

Bid Proposal For:

Hampstead Annex Auditorium

February 15, 2019

Attn: Allen Vann

(Name of Contractor)

(License Number)

SELECTION PROCESS

The following is a general description of the process by which the contractor will be selected:

One complete copy of this proposal form must be received by Pender County in a sealed envelope by the date and time specified in the Notice to Bidders. The proposal must be signed and dated by an official who is authorized or has power of attorney to bind the Applicant. Unsigned or uncompleted proposals will not be considered.

Responses to this Invitation For Bids must be received by Pender County no later than the date and time specified. If hand delivered, ensure the proposal is delivered to the office of Pender County Facilities and Fleet, 210 S. Bennett Street, Burgaw, NC, 28425. Delivery to any other location of the county government will not be considered delivered.

THIS IS NOT A CONTRACT OR AN OFFER TO CONTRACT. Contractors are cautioned that this is a request for quotation, not a request to contract, or an offer to contract, or an acceptance of any proposal or offer. Pender County reserves the unqualified right to reject any and/or all submittals when such rejection is deemed to be in its best interest. Additionally, only submitted written questions may be addressed in Addenda; verbal questions and responses are not official and do not change the requirements of this Invitation for Bids.

GENERAL CONDITIONS

GENERAL INSTRUCTIONS

It is understood and agreed that by submitting a bid the Contractor has examined the proposal documents, specifications, visited the site of the Work, and has satisfied themselves relative to the Work to be performed.

MATERIALS, EQUIPMENT AND EMPLOYEES

- a. The contractor shall, unless otherwise specified, supply and pay for all labor, transportation, materials, tools, apparatus, lights, power, fuel, sanitary facilities and incidentals necessary for the

completion of his work, and shall install, maintain and remove all equipment for the construction, and be responsible for the safe, proper and lawful construction, maintenance and use of same, and shall construct in the best and most workmanlike manner, a complete job and everything incidental thereto, as stated in the specifications, or reasonably implied therefrom, all in accordance with the contract documents.

- b. All materials shall be new and of quality specified. Workmanship shall at all times be of a grade accepted as the best practice of the particular trade involved, and as stipulated in written standards of recognized organizations or institutes of the respective trades except as exceeded or qualified by the specifications.
- c. No changes shall be made in the Work except upon written approval and change order of the Owner.
- d. If at any time during the construction and completion of the work covered by these contract documents, the conduct of any workman of the various crafts be adjudged a nuisance to the Owner or if any workman be considered detrimental to the work, the Contractor shall order such parties removed immediately from grounds.
- e. The contractor shall designate a foreman/superintendent who shall direct the work. An email address and cell number shall be provided upon receipt of notice to proceed.

CODES, PERMITS AND INSPECTIONS

- a. The Contractor shall obtain the required permits, give all notice and comply with all laws, ordinances, codes, rules and regulations bearing on the conduct of the work under this contract. If the Contractor observes that the drawings and specifications are at variance therewith, he shall promptly notify the Owner in writing. If the Contractor performs any work knowing it to be contrary to such laws, ordinances, codes, rules and regulations, and without such notice to the Owner, he shall bear all cost arising therefrom.
- b. All work under this contract shall conform to the 2018 North Carolina State Building Code and other state and national codes as are applicable.

SAFETY REQUIREMENTS

- a. The Contractor shall be responsible for the entire site and the construction of the same and provide all the necessary protections as required by laws or ordinances governing such conditions and as required by the Owner. They shall be responsible for any damage to the Owner's property or that of others on the job, by themselves, their personnel or their subcontractors, and shall make good such damages. They shall be responsible for and pay for any claims against the Owner arising from such damages.
- b. The Contractor shall adhere to the rules, regulations and interpretations of the North Carolina Department of labor relating to Occupational Safety and Health Standards for the Construction Industry (Title 29, Code of Federal Regulations, Part 1926 published in Volume 39, Number 122,

Part 11, June 24, 1974 Federal Register), and revisions thereto as adopted by General Statutes of North Carolina 95-126 through 155.

- c. The Contractor shall provide all necessary safety measures for the protection of all persons on the work, including the requirements of the A.G.C. Accident Prevention Manual in Construction as amended, and shall fully comply with all state laws or regulations and North Carolina State Building Code requirements to prevent accident or injury to persons on or about the location of the work. They shall clearly mark or post signs warning of hazards existing, and shall barricade excavations and similar hazards. They shall protect against damage or injury resulting from falling materials and shall maintain all protective devices and signs throughout the progress of the work.
- d. The Contractor shall be responsible for moving all furniture, fixtures, and/or physical improvements required to complete the scope of work outlined.
- e. The Contractor shall provide a port-o-john that is to be used by all individuals associated with the work outlined in this proposal. Under no circumstances shall indoor restroom facilities be used.

EQUAL OPPORTUNITY

- a. The non-discrimination clause contained in Section 202 (Federal) Executive Order 11246, as amended by Executive Order 11375, relative to Equal Employment Opportunity for all persons without regard to race, color, religion, sex or national origin, and the implementing rules and regulations prescribed by the Secretary of Labor, are incorporated herein.
- b. The Contractors agree not to discriminate against any employees or applicant for employment because of physical or mental handicap in regard to any position for which the employees or applicant is qualified. The Contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices.

INSURANCE

The Contractor shall not commence work until they have obtained all insurance required, and such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work on the subcontract until all similar insurance required of the subcontractor has been obtained.

The Contractor shall provide and maintain during the life of this contract Workmen's Compensation Insurance for all employees employed at the site of the project under their contract in compliance with North Carolina requirements.

The Contractor shall provide and maintain during the life of this contract such Public Liability and Property Damage Insurance as shall protect them and any subcontractor performing work covered by this contract, from claims for damage for personal injury, including accidental death, as well as from claims for property damages which may arise from operations under the contract, whether such operation be by the Contractor themselves or by any subcontractor, or by anyone directly or indirectly employed by either of them and the amounts of such insurance shall be as follows:

Public Liability Insurance in an amount not less than \$1,000,000 for injuries, including accidental death, to any one person and subject to the same limit for each person, in amount not less than \$500,000 on account of one accident; and Property Damage Insurance in an amount not less than \$500,000.

The Contractor shall furnish such additional insurance as may be required by General Statutes of North Carolina, including motor vehicle insurance in amounts not less than statutory limits.

Each Certificate of Insurance shall bear the provision that the policy cannot be canceled, reduced in amount or coverage eliminated in less than fifteen (15) days after mailing written notice to the insured and/or the Owner of such alteration or cancellation, sent by registered mail.

The Contractor shall furnish the Owner with satisfactory proof of carriage of the insurance required before written approval is granted by the Owner.

INVOICES FOR PAYMENT

Partial Payment Requests may be submitted to the Owner's Project Manager (Allen Vann) on or about the 25th of each month of the project. All partial payment requests shall be accompanied by a County approved Schedule of Values reflecting the work completed in the preceding month. In addition, a copy of all materials invoices, and a Sales Tax Listing, and Sales Tax Affidavit shall be submitted with each request. Final payment will be made within fifteen (15) consecutive days after acceptance of the work and the submission both of notarized contractor's affidavit and copies of any remaining invoices which are to include the contract, account and job order numbers.

The contractor's affidavit shall state: "This is to certify that all costs of materials, equipment, labor, and all else entering into the accomplishment of this contract, including payrolls, have been paid in full."

Executed contract documents, insurance certifications and, upon completion and acceptance of the work, invoices and other information requested are to be sent to:

Allen Vann, Director
Pender County Facilities and Fleet Services
210 S. Bennett Street
Burgaw, NC 28425

It is imperative that contract documents, invoices, etc., be sent only to the above address in order to assure proper and timely delivery and handling.

CLEANING UP

- a. The Contractor shall keep the sites and surrounding area reasonably free from rubbish at all times and shall remove debris from the site from time to time or when directed to do so by the Owner. Before final inspection and acceptance of the project, the Contractor shall thoroughly clean the site, and completely prepare the project and site for use by the Owner.
- b. The Contractor shall provide a dumpster for all construction debris and trash associated with the work outlined in the scope of this project.

GUARANTEE

- a. The contractor shall unconditionally guarantee materials and workmanship against patent defects arising from faulty materials, faulty workmanship or negligence for a period of twelve (12) months following the final acceptance of the work and shall replace such defective materials or workmanship without cost to the owner.
- b. Where items of equipment or material carry a manufacturer's warranty for any period in excess of twelve (12) months, then the manufacturer's warranty shall apply for that particular piece of equipment or material. The contractor shall replace such defective equipment or materials, without cost to the owner, within the manufacturer's warranty period.
- c. Additionally, the owner may bring an action for latent defects caused by the negligence of the contractor, which is hidden or not readily apparent to the owner at the time of beneficial occupancy or final acceptance, whichever occurred first, in accordance with applicable law.

CONTRACTOR-SUBCONTRACTOR RELATIONSHIPS

The Contractor agrees that the terms of these contract documents shall apply equally to a Subcontractor as to the Contractor, and that the subcontractor is bound by those terms as an employee of the Contractor.

SUPPLEMENTARY GENERAL CONDITIONS

TIME OF COMPLETION

The Contractor shall commence work to be performed under the Contract on a date to be specified in written order from the Owner and shall fully complete all work hereunder within 75 consecutive calendar days from the Notice to Proceed for the contract.

If the Contractor is delayed at anytime in the progress of his work by any act or negligence of the Owner, his employees or his separate contractor, by changes ordered in the work; by abnormal weather conditions; by any causes beyond the Contractor's control or by other causes deemed justifiable by Owner, then the contract time may be reasonably extended in a written order from the Owner upon written request from the contractor within ten days following the cause for delay.

PERFORMANCE AND PAYMENT BONDS

Not required.

EXHIBITS

- **A - General Description of Work**
- **B - Photo of Present Condition**
- **C - Original Plan Sheets**
 - **First Floor Plan**
 - **Fixed Seating Layout**

EXHIBIT - A

HAMPSTEAD ANNEX AUDITORIUM HURRICANE FLORENCE REPAIR

General Description of Work

- 1) Install approximately 2,850 SF of New 1 x 2 (4" wide planking V-Grooved at 2") Tongue and Groove Yellow Poplar ceiling wood to match existing wood ceiling to existing wood framing (24" O.C.). Wood is to be properly prepared (sanded), conditioned to accept stain, stained, and sealed before installation.
** Wood Stain – Sherwin-Williams "Warm Chestnut" - # 3114
- 2) Install approximately 3,450 SF of New 3/4" x 2 1/4" Red Oak Select Solid Wood Flooring properly prepared, stained, and sealed in accordance with the specifications (provided) nailed to subfloor over a new layer of 15 pound asphalt-saturated felt.
** Wood Stain – Sherwin-Williams "Warm Chestnut" - # 3114
- 3) Install 2 layers of approximately 225 SF of 5/8" Type X Gypsum Board on existing metal stud Ceiling Columns. Paint with Sherwin-Williams "Pure White" - # 7005 (Matte)
- 4) Install approximately 120 SF of 5/8" Type X Gypsum Board on ceiling to existing metal framing. Paint with Sherwin-Williams "Pure White" - # 7005 (Matte)
- 5) Repair damaged sheetrock and paint all walls in the auditorium with two (2) coats. Paint three (3) walls with Sherwin-Williams "Pure White" - # 7005. (Matte) Stage Walls above Wainscoting are to be painted Sherwin-Williams "Repose Gray" - # 7015. (Matte)
- 6) Install Owner-Provided Recessed Light Fixture Reflectors (32) and HVAC Diffuser Trim Covers (18) once wood ceiling installed. In addition, miscellaneous items such as fire alarm/strobes (2) heads must be installed to original specifications. *Note: Any and all of these fixtures must be thoroughly cleaned/wiped down before installation.*
- 7) Reinstall Owner-Provided stage stair handrails.
- 8) Install Owner-Provided Fixed Auditorium Seating in accordance with original plans and reconnect seat lighting to existing wiring terminals in floor.
- 9) Coordinate with owner final environmental indoor air quality testing (through owner selected Industrial Hygienist.) Note: Owner will coordinate professional cleaning of auditorium seating and stage curtain at close of job.

EXHIBIT - B

Existing Condition



**Present
condition
of
Auditorium**

EXHIBIT – C

1) Original First Floor Plan

2) Original Fixed Seating Layout

PENDER COUNTY ANNEX FIXED SEATING LAYOUT HAMPSTEAD, NC

AAA APPROVALS

OC APPROVALS

DATE: 11/21/14
 REVIEWED BY: CJK
 COMMENTS: SITE HAS BEEN FIELD CHECKED. RULES SMALLER THAN 11/18/14
 LEARNING ENVIRONMENTS
 P.O. BOX 1127
 LIBERTY, N.C. 27288
 PH: (336) 622-4296

ALL BUILDING DIMENSIONS TO BE FIELD VERIFIED BY LEI PRIOR TO MANUFACTURE

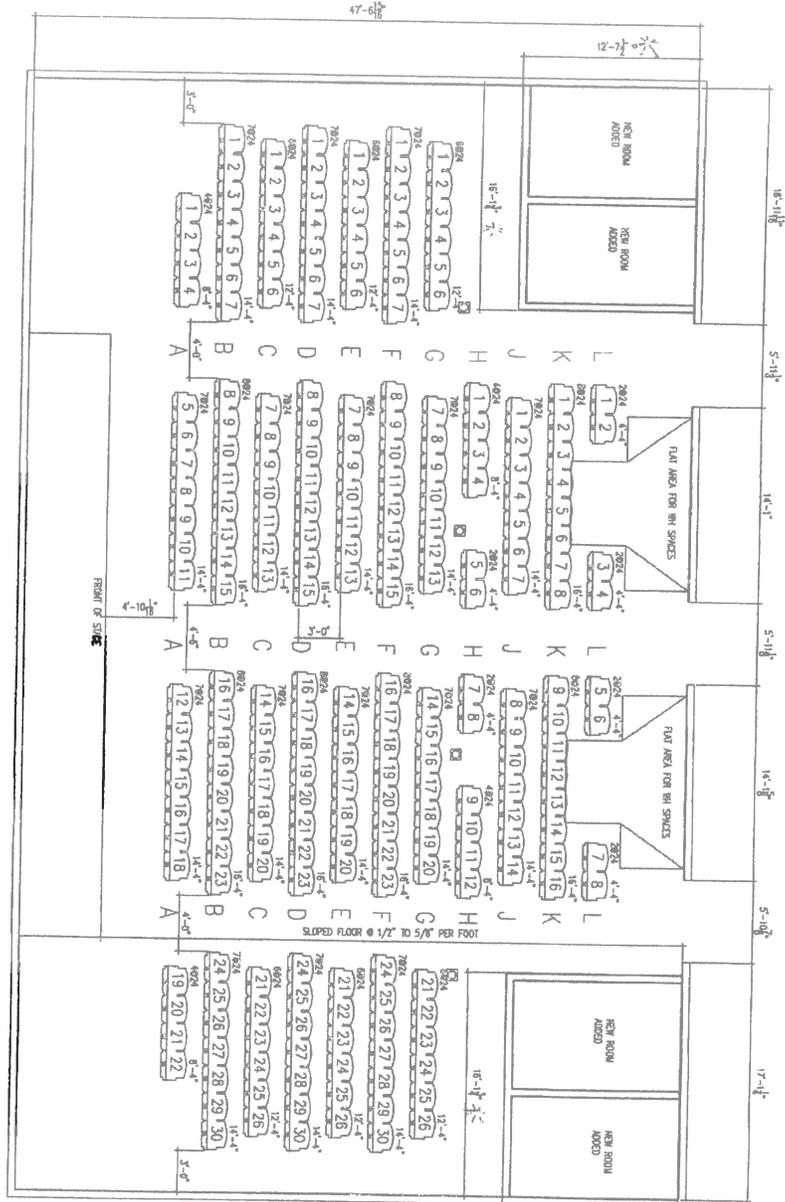
Model No. _____
 Order No. _____
 Project No. _____
 Date: _____

PENDER COUNTY ANNEX
SEATING LAYOUT
HAMPSTEAD, NC

HUSSEY SEATING COMPANY

 Your partner for seating solutions
 39 DYER STREET EXT.
 NORTH BETHUN, ME. 03906
 TELEPHONE: (207) 676-2271 FAX: (207) 676-0444

PROPOSED FLOOR PLAN



SIZE	QUANTITY
18"	0
19"	0
20"	0
21"	0
22"	0
23"	0
24"	240
TOTAL:	240

Notes:
 1. All seats to be added to the existing seating.
 2. All seats to be added to the existing seating.
 3. All seats to be added to the existing seating.
 4. All seats to be added to the existing seating.
 5. All seats to be added to the existing seating.

PENDER COUNTY ANNEX
 SEATING LAYOUT
 HAMPSTEAD, NC

HUSSEY SEATING COMPANY



Your partner for seating solutions
 38 DYER STREET EXT.
 NORTH BERWICK, ME. 03908
 TELEPHONE: (207) 878-2271 Fax: (207) 878-0444

18" SEAT
 19" SEAT
 20" SEAT
 21" SEAT
 22" SEAT
 23" SEAT
 24" SEAT
 TOTAL: 240

DRAWN BY: []
 CHECKED BY: []
 DATE: []

TECHNICAL SPECIFICATIONS

WOOD CEILING	064023
WOOD FLOORING	096400
GYPSUM BOARD	092900

Pender County Hampstead Annex

SECTION 064023 – INTERIOR WOOD CEILING

1.1 INTERIOR WOOD CEILING

- A. Grade: Custom (Grade A).
- B. Wood Species: Poplar
- C. Edge Pattern: Tongue-and-groove, Vee-grooved.
- D. Plank Size: ¾-inch thick by 2-1/2-inches wide.

1.2 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wood ceiling materials in unopened cartons or bundles.
- B. Protect wood flooring from exposure to moisture. Do not deliver wood flooring until after concrete, masonry, plaster, ceramic tile, and similar wet work is complete and dry.
- C. Store wood flooring materials in a dry, warm, ventilated, weathertight location.

1.3 PROJECT CONDITIONS

- A. Conditioning period begins not less than seven days before wood flooring installation, is continuous through installation, and continues not less than seven days after wood flooring installation.
 - 1. Environmental Conditioning: Maintain an ambient temperature between 65 and 75 deg F and relative humidity planned for building occupants in spaces to receive wood flooring during the conditioning period.
 - 2. Wood Flooring Conditioning: Move wood flooring into spaces where it will be installed, no later than the beginning of the conditioning period.
 - a. Do not install flooring until it adjusts to relative humidity of, and is at same temperature as, space where it is to be installed.
 - b. Open sealed packages to allow wood flooring to acclimatize immediately on moving flooring into spaces in which it will be installed.
- B. After conditioning period, maintain relative humidity and ambient temperature planned for building occupants.

PART 2- PRODUCTS

2.1 FINISHED WOOD CEILING

- A. Solid-Wood Ceiling: Kiln dried to 6 to 9 percent maximum moisture content; tongue and groove and end matched; and with backs channeled.
 - 1. Species: Poplar.
 - 2. Grade: Select.
 - 3. Cut: Plain sawn.
 - 4. Thickness: ¾ inch.
 - 5. Face Width: 2-1/2 inches.
 - 6. Length: Random length strips complying with applicable grading rules.

Pender County Hampstead Annex

- B. Urethane Finish System: Complete solvent-based, oil-modified system of compatible components that is recommended by finish manufacturer for application indicated.
 - i. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. BonaKemi USA
 - b. Dura Seal, Sherwin-Williams
 - c. Hillyard, Inc.
 - 2. Stain: Penetrating and nonfading type.
 - 3. Color: Sherwin Williams "Warm Chestnut - # 3114
 - 4. Floor Sealer: Pliable, penetrating type.
 - 5. Finish Coats: Formulated for multicoat application on wood flooring.
 - a. Gloss: As selected by Owner.
 - 6. Wood Filler: Compatible with finish system components and recommended by filler and finish manufacturers for use indicated. If required to match approved Samples, provide pigmented filler.
 - 7. Full-Length Pieces: Install with minimum number of joints possible, using full-length pieces from maximum length of lumber available. Do not use pieces less than 60-inches long, except where shorter single-length pieces are necessary. Scarf running joints and stagger in adjacent and related members.

END OF SECTION 064023

SECTION 096400 - WOOD FLOORING

PART I - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes field-finished wood flooring.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: For each type of floor assembly and accessory. Include plans, elevations, sections, details, and attachments to other work. Include expansion provisions and trim details.
- C. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors and finishes available for wood flooring.
- D. Samples for Verification: For each type of wood flooring and accessory, with stain color and finish required, approximately 12 inches long and of same thickness and material indicated for the Work and showing the full range of normal color and texture variations expected.

1.4 QUALITY ASSURANCE

- A. Hardwood Flooring: Comply with NOFMA's "Official Flooring Grading Rules" for species, grade, and cut.
 - I. Certification: Provide flooring that carries NOFMA grade stamp on each bundle or piece.
- B. Build mockup of typical flooring area including base.
 - 1. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wood flooring materials in unopened cartons or bundles.
- B. Protect wood flooring from exposure to moisture. Do not deliver wood flooring until after concrete, masonry, plaster, ceramic tile, and similar wet work is complete and dry.
- C. Store wood flooring materials in a dry, warm, ventilated, weathertight location.

1.6 PROJECT CONDITIONS

- A. Conditioning period begins not less than seven days before wood flooring installation, is continuous through installation, and continues not less than seven days after wood flooring installation.
 - 1. Environmental Conditioning: Maintain an ambient temperature between 65 and 75 deg F and relative humidity planned for building occupants in spaces to receive wood flooring during the conditioning period.
 - 2. Wood Flooring Conditioning: Move wood flooring into spaces where it will be installed, no later than the beginning of the conditioning period.
 - a. Do not install flooring until it adjusts to relative humidity of, and is at same temperature as, space where it is to be installed.
 - b. Open sealed packages to allow wood flooring to acclimatize immediately on moving flooring into spaces in which it will be installed.
- B. After conditioning period, maintain relative humidity and ambient temperature planned for building occupants.

1.7 EXTRA MATERIALS

- A. Furnish extra materials described below, before installation begins, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Wood Flooring: Equal to 1 percent of amount installed for each type of wood flooring indicated.

PART 2- PRODUCTS

2.1 FIELD-FINISHED WOOD FLOORING

- A. Solid-Wood Flooring: Kiln dried to 6 to 9 percent maximum moisture content; tongue and groove and end matched; and with backs channeled.
 - 1. Species: Red oak.
 - 2. Grade: Select.
 - 3. Cut: Plain sawn.
 - 4. Thickness: 3/4 inch.
 - 5. Face Width: 2-1/4 inches.
 - 6. Length: Random length strips complying with applicable grading rules.
- B. Urethane Finish System: Complete solvent-based, oil-modified system of compatible components that is recommended by finish manufacturer for application indicated.
 - i. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. BonaKemi USA
 - b. Dura Seal, Sherwin-Williams
 - c. Hillyard, Inc.
 - 2. Stain: Penetrating and nonfading type.

- a. Color: As selected by Architect from manufacturer's full range.
- 3. Floor Scaler: Pliable, penetrating type.
- 4. Finish Coats: Formulated for multicoat application on wood flooring.
 - a. Gloss: As selected by Architect.
- C. Wood Filler: Compatible with finish system components and recommended by filler and finish manufacturers for use indicated. If required to match approved Samples, provide pigmented filler.

2.2 ACCESSORY MATERIALS

- A. Asphalt-Saturated Felt: ASTM D 4869, Type II.
- B. Trowelable Leveling and Patching Compound: Latex-modified, hydraulic-cement-based formulation approved by wood flooring manufacturer.
- C. Fasteners: As recommended by manufacturer, but not less than that recommended in NWFA's "Installation Guidelines: Wood Flooring."
- D. Thresholds and Saddles: To match wood flooring. Tapered on each side.
- E. Reducer Strips: To match wood flooring. 2 inches wide, tapered, and in thickness required to match height of flooring.
- F. Cork Expansion Strip: Composition cork strip.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas and conditions, with Installer present, for compliance with requirements for maximum moisture content, installation tolerances, and other conditions affecting performance of wood flooring.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Broom or vacuum clean substrates to be covered immediately before product installation. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

- A. Comply with flooring manufacturer's written installation instructions, but not less than applicable recommendations in NWFA's "Installation Guidelines: Wood Flooring."
- B. Provide expansion space at walls and other obstructions and terminations of flooring of not less than 3/4 inch.

- C. Vapor Retarder: Comply with NOFMA's "Installing Hardwood Flooring" for vapor retarder installation and the following:
 - I. Wood Flooring Nailed to Wood Subfloor: Install flooring over a layer of asphalt-saturated felt.
- D. Solid-Wood Flooring: Blind nail or staple flooring to substrate.

3.4 FIELD FINISHING

- A. Machine-sand flooring to remove offsets, ridges, cups, and sanding-machine marks that would be noticeable after finishing. Vacuum and tack with a clean cloth immediately before applying finish.
 - 1. Comply with applicable recommendations in NWFPA's "Installation Guidelines: Wood Flooring."
- B. Fill and repair wood flooring seams and defects.
- C. Apply floor-finish materials in number of coats recommended by finish manufacturer for application indicated, but not less than one coat of floor sealer and three finish coats.
 - 1. Apply stains to achieve an even color distribution matching approved Samples.
- D. Cover wood flooring before finishing.
- E. Do not cover wood flooring after finishing until finish reaches full cure, and not before seven days after applying last finish coat.

3.5 PROTECTION

- A. Protect installed wood flooring during remainder of construction period with covering of heavy kraft paper or other suitable material. Do not use plastic sheet or film that might cause condensation.
 - 1. Do not move heavy and sharp objects directly over kraft-paper-covered wood flooring. Protect flooring with plywood or hardboard panels to prevent damage from storing or moving objects over flooring.

END OF SECTION 096400

SECTION 092900 – GYPSUM BOARD

2.1 PANELS, GENERAL

- A. Size: Provide in maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

2.2 INTERIOR GYPSUM BOARD

- A. General: Complying with ASTM C 1396.
 - 1. Manufacturers : Subject to compliance with requirements , provide products by one of the following:
 - a. American Gypsum.
 - b. Certainteed Corporation
 - c. Georgia-Pacific Gypsum
 - d. Lafarge North America. Inc.
 - e. Nation al Gypsum Company
 - f. Temple-Inland Inc.
 - g. USG Corporation.
- B. TypeX:
 - 1. Thickness: 5/8 inch.
 - 2. Long Edges: Tapered and featured (rounded or beveled) for prefilling.
 - 3. Location: Vertical surfaces, unless otherwise indicated.
- C. Ceiling Type: Manufactured to have more sag resistance than regular-type gypsum board.
 - 1. Thickness: 5/8 inch.
 - 2. Long Edges: Tapered.
- D. Foil-Backed Gypsum Board: ASTM C 1396/C 1396M.
 - 1. Core: 5/8 inch, Type X.
 - 2. Long Edges: Tapered.
- E. Draftstopping: Moisture- and mold-resistant type.
 - 1. Thickness: 1/2 inch.
 - 2. Long Edges: Tapered.
 - 3. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.
- F. Moisture- and Mold-Resistant Type: With moisture- and mold-resistant core and surfaces.
 - 1. Core: 5/8 inch, Type X.
 - 2. Long Edges: Tapered.
 - 3. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.

2.3 SPECIALTY GYPSUM BOARD

- A. Gypsum Board, Type C: ASTM C 1396/C 1396M. Manufactured to have increased fire-resistive capability.
 - 1. Products: Subject to compliance with requirements, provide one of the following:

Pender County Hampstead Annex

- a. American Gypsum; Firebloc Type C
 - b. CertainTeed Corp.; ProRoc Type C
 - c. Georgia-Pacific Gypsum LLC; Fireguard C
 - d. Lafarge North America Inc.; Firecheck Type C
 - e. National Gypsum Company; Gold Bond Fire-Shield C
 - f. Temple-Inland; Type TG-C
 - g. USG Corporation; Firecode C Core
2. Thickness: As required by fire-resistance-rated assembly indicated on Drawings.
 3. Long Edges: Tapered.

2.4 TILE BACKING PANELS

- A. Glass-Mat. Water-Resistant Backing Board: ASTM C 1178/C 1178M, with manufacturer's standard edges.
 1. Core: 5/8 inch, Type X.
 2. Mold Resistance: ASTM D 3273, score of 10.

2.5 CEMENTITIOUS CEILING PANELS

- A. Cementitious Backer Units: ANSI A1 18 .9 and ASTM C 1288 or 1325, with manufacturer's standard edges.
 1. Products: Subject to compliance with requirements, provide one of the following:
 - a. C-Cure; C-Cure Board 990
 - b. CertainTeed Corp.; FiberCement BackerBoard
 - c. Custom Building Products; Wonderboard
 - d. FinPan, Inc.; Util-A-Crete Concrete Backer Board
 - e. James Hardie Building Products, Inc.; Hardiebacker
 - f. National Gypsum Company, Permabase Cement Board
 - g. USG Corporation; DUROCK Cement Board
 2. Thickness: 1/2 inch.
 3. Mold Resistance: ASTM D 3273, score of 10 as rated according to ASTM D 3274.

2.6 TRIM ACCESSORIES

- A. Interior Trim: ASTM C 1047.
 1. Material: Galvanized or aluminum-coated steel sheet or rolled zinc.
 2. Shapes:
 - a. Cornerbead: Use at outside comers, unless otherwise indicated.
 - b. Bullnose Bead: Use where indicated.
 - c. L-Bead: L-shaped: exposed long leg receives joint compound: use at exposed terminations of gypsum board panels.
 - d. Expansion (Control) Joint: Use where indicated.
- B. Aluminum Trim: Extruded accessories of profiles and dimensions indicated.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Fry Reglet Corp.
 - b. Gordon, Inc.

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- c. MM Systems Corporation.
 - d. Pittcon Industries.
2. Aluminum: Alloy and temper with not less than the strength and durability properties of ASTM B 221, Alloy 6063-T5.
 3. Finish: Corrosion-resistant primer compatible with joint compound and finish materials specified.

2.7 JOINT TREATMENT MATERIALS

- A. General: Comply with ASTM C 475/C 475M.
- B. Joint Tape:
 1. Interior Gypsum Wallboard: Paper.
 2. Tile Backing Panels: As recommended by panel manufacturer.
 3. Cementitious Panels: As recommended by panel manufacturer.
- C. Joint Compound for Interior Gypsum Wallboard: For each coat use formulation that is compatible with other compounds applied on previous or for successive coats.
 1. Prefilling: At open joints, rounded or beveled panel edges, and damaged surface areas, use setting-type taping compound.
 2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
 3. Fill Coat: For second coat, use setting-type, sandable topping compound.
 4. Finish Coat: For third coat, use setting-type, sandable topping compound.
 5. Skim Coat: For final coat of Level 5 finish, use sandable topping compound.
- D. Joint Compound for Tile Backing Panels: As recommended by backing panel manufacturer.
- E. Joint Compound for Cementitious Panels: As recommended by panel manufacturer.
- F. Spot Grout: ASTM C 475, setting-type joint compound recommended for spot-grouting hollow metal door frames.

2.8 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials that comply with referenced installation standards and manufacturer's written recommendations.
- B. Laminating Adhesive: Adhesive or joint compound recommended for directly adhering gypsum panels to continuous substrate.
- C. Steel Drill Screws: ASTM C 1002, unless otherwise indicated.
 - I. Use screws complying with ASTM C 954 for fastening panels to steel members from 0.033 to 0.112 inch thick.
- D. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
 1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly.
 2. Provide sound attenuation blankets free of formaldehyde.

- E. Acoustical Sealant: As specified in Section 079200 "Joint Sealants."
- F. Thermal Insulation: As specified in Section 072100 "Thermal Insulation."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames and framing, for compliance with requirements and other conditions affecting performance.
- B. Examine weathertight building enclosure, with Installer present, and verify that delivery, storage, and installation of gypsum panel products will not be affected by exposure to moisture beyond limits recommended by manufacturer.
- C. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 APPLYING AND FINISHING PANELS, GENERAL

- A. Comply with ASTM C 840.
- B. Install sound attenuation blankets before installing gypsum panels, unless blankets are readily installed after panels have been installed on one side.
- C. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.
- D. Install panels with face side out. Butt panels together for a light contact at edges and ends with not more than 1/16 inch of open space between panels. Do not force into place.
- E. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
- F. Form control and expansion joints with space between edges of adjoining gypsum panels.
- G. Cover both faces of support framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally.
 - 1. Unless concealed application is indicated or required for sound, fire air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area.
 - 2. Fit gypsum panels around ducts, pipes, and conduits.
 - 3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4- to 3/8-inch wide joints to install sealant.

- H. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments, except floors. Provide 1/4- to 1/2-inch wide spaces at these locations, and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.
- I. Attachment to Steel Framing: Attach panels so leading edge or end of each panel is attached to open (unsupported) edges of stud flanges first.
- J. Wood Framing: Install gypsum panels over wood framing, with floating internal corner construction. Do not attach gypsum panels across the flat grain of wide-dimension lumber, including floor joists and headers. Float gypsum panels over these members or provide control joints to counteract wood shrinkage.
- K. STC-Rated Assemblies: Seal construction at perimeters, behind control joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations. Comply with ASTM C 919 and with manufacturer's written recommendations for locating edge trim and closing off sound-flanking paths around or through assemblies, including sealing partitions above acoustical ceilings.
- L. Space fasteners in gypsum panels according to referenced gypsum board application and finishing standard and manufacturer's written recommendations.
 - 1. Space screws a maximum of 12 inches o.c. for vertical applications.

3.3 APPLYING INTERIOR GYPSUM BOARD AND CEMENTITIOUS PANELS

- A. Single-Layer Application:
 - 1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing, unless otherwise indicated.
 - 2. On partitions/walls, apply gypsum panels vertically (parallel to framing), unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
 - a. Stagger abutting end joints not less than one framing member in alternate courses of panels.
 - b. At stairwells and other high walls, install panels horizontally, unless otherwise indicated or required by fire-resistance-rated assembly.
 - 3. Fastening Methods: Apply gypsum panels to supports with steel drill screws.
- B. Multilayer Application:
 - 1. On ceilings, apply gypsum board and cementitious panels indicated for base layers before applying base layers on walls/partitions; apply face layers in same sequence. Apply base layers at right angles to framing members and offset face-layer joints 1 framing member, 16 inches minimum from parallel base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly.
 - 2. On partitions/walls, apply gypsum board indicated for base layers and face layers vertically (parallel to framing) with joints of base layers located over stud or furring member and face-layer joints offset at least one stud or furring member with base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly. Stagger joints on opposite sides of partitions.
 - 3. Fastening Methods: Fasten base layers and face layers separately to supports with screws.
- C. Laminating to Substrate: Where gypsum panels are indicated as directly adhered to a substrate (other than studs, joists, furring members, or base layer of gypsum board), comply with gypsum

board manufacturer's written recommendations and temporarily brace or fasten gypsum panels

until fastening adhesive has set.

3.4 APPLYING TILE BACKING PANELS

- A. Glass-Mat, Water-Resistant Backing Panels: Comply with manufacturer's written installation instructions and install at locations indicated to receive tile. Install with 1/4-inch gap where panels abut other construction or penetrations.
- B. Where tile backing panels abut other types of panels in same plane, shim surfaces to produce a uniform plane across panel surfaces.

3.5 INSTALLING TRIM ACCESSORIES

- A. General: For trim with back flanges intended for fasteners, attach to framing with same fasteners used for panels. Otherwise, attach trim according to manufacturer's written instructions.
- B. Control Joints: Install control joints at locations indicated on Drawings, or, if not shown, according to ASTM C 840 and in specific locations approved by Architect for visual effect.
- C. Interior Trim: Install in the following locations:
 - 1. Cornerbead: Use at outside corners, unless otherwise indicated.
 - 2. I.C-Bead: Use at exposed panel edges.
 - 3. L-Bead: Use where indicated.
 - 4. U-Bead: Use at exposed panel edges.
- D. Aluminum Trim: Install in locations indicated on Drawings.

3.6 FINISHING GYPSUM BOARD

- A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.
- B. Prefill open joints, rounded or beveled edges, and damaged surface areas.
- C. Apply joint tape over gypsum board joints, except those with trim having flanges not intended for tape.
- D. Gypsum Board Finish Levels: Finish panels to levels indicated below, according to ASTM C 840, for locations indicated:
 - 1. Level 0: This level of finish shall be used in temporary construction only. No taping, finishing, or accessories required unless indicated or specified as in dust proof partitions.
 - 2. Level 1: This level shall be used in ceiling plenum areas and concealed areas unless a higher level of finish is required for fire-resistance-rated assemblies and sound-rated assemblies. Embed tape at joints.
 - 3. Level 2: This level of finish shall be used where water resistant gypsum backing board is used as a substrate for tile. Embed tape and apply separate first coat of joint compound to tape, fasteners, and trim flanges where indicated.
 - 4. Level 3: This level of finish shall be used in areas to receive heavy textured, thick (1/8 inch or greater) wall coverings and where indicated. Embed tape and apply separate first and

finish coats of joint compound to tape, fasteners, and trim flanges.

5. Level 4: This level of finish shall be used for areas to receive smooth paint finish. Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges at panel surfaces.
 - a. Tape joints require joint compound and feathering of joint to a minimum of 12 inches each side of joint.
 - b. Tape joints that are visible through finished walls are not acceptable.
 6. Level 5: This level of finish shall be used at corridors where smooth paint finishes are to be applied. Embed tape and apply separate first, fill, and finish coats of joint compound to tape, fasteners, and trim flanges. A thin skim coat of joint compound, or a material manufactured especially for this purpose, shall be applied to the entire surface. The surface shall be smooth and free of tool marks and ridges.
 - a. Tape joints require joint compound and feathering of joint to a minimum of 12 inches each side of joint.
 - b. Tape joints that are visible through finished walls are not acceptable.
- E. Glass-Mat, Water-Resistant Backing Panels: Finish according to manufacturer's written instructions.
- F. Cementitious Panels: Finish according to manufacturer's written instructions.

3.7 FIELD QUALITY CONTROL

- A. Above-Ceiling Observation: Before Contractor installs gypsum board ceilings, Architect will conduct an above-ceiling observation and report deficiencies in the Work observed. Do not proceed with installation of gypsum board to ceiling support framing until deficiencies have been corrected.
1. Notify Architect seven days in advance of date and time when Project, or part of Project, will be ready for above-ceiling observation.
 2. Before notifying Architect, complete the following in areas to receive gypsum board ceilings:
 - a. Installation of 80 percent of lighting fixtures, powered for operation.
 - b. Installation, insulation, and leak and pressure testing of water piping systems.
 - c. Installation of air-duct systems.
 - d. Installation of air devices.
 - e. Installation of mechanical system control-air tubing.
 - f. Installation of ceiling support framing.
 - g. Installation of through-penetration firestopping and fire-resistant joint sealants, with identification labels.

3.8 PROTECTION

- A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- B. Remove and replace panels that are wet, moisture damaged, and mold damaged.
1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or

Pender County Hampstead Annex
splotchy surface contamination and discoloration.

END OF SECTION 092900

BID PROPOSAL

SIGNED AND SEALED BID PROPOSAL

PROPOSAL

For

Commercial Renovation and Repair of the Hampstead Annex Auditorium

The undersigned, as bidder, proposes and agrees if this proposal is accepted to contract with Pender County for the furnishing of all materials, equipment, and labor necessary to complete the construction of the work described in these documents in full and complete accordance with plans, specifications, and contract documents, and to the full and entire satisfaction of Pender County for the sum of:

BASE BID: _____ **Dollars \$** _____

Respectively submitted this ____ day of _____ 2019.

(Name of firm or corporation making bid)

Federal ID#: _____

Attest:

By: _____
Title: _____

Title

Address: _____

(Corporate Seal)