To: ALL BIDDERS

Ref: **New River Community and Technical College Hangar Renovation and Addition**

Subj.: **ADDENDUM BULLETIN NO. 1**

This Addendum Bulletin shall be incorporated in the Construction Documents including the Drawings and Specifications for the Project referenced above. All work amended as listed herein shall be included in your Bid Proposal and the bidder shall acknowledge this addendum bulletin on the Bid Form.

The work shall be amended as follows:

1. **SPECIFICATIONS (see enclosures):**

    a. **Section 004000 Form of Proposal:** REPLACE section in its entirety. See Enclosures.

    b. **Section 011000 Summary:** REPLACE section 1.5 item 1. with "The project consists of renovation work to the existing airplane hangar and a one-story addition approximately 1600 sf in size. The addition includes two classrooms, two unisex restrooms, and a janitor closet. Work will include demolition of existing elements, including existing addition to hangar, asphalt, and guardrails. The existing hangar renovation work includes new exterior painting to metal panel siding and metal roof, logo signage on bifold hangar door and roof, and replacement of translucent metal panel. Interior renovation work includes new flooring, extension of mezzanine with additional storage space underneath, and further work as described in Construction Documents."

    c. **Section 012300 Alternates:** REPLACE section in its entirety. See Enclosures. Updated base bid and alternate notes for HVAC systems.

    d. **Section 133419 Metal Building Systems:** ADD section in its entirety. See Enclosures.

2. **DRAWINGS (see enclosures):**

    a. **Drawing G-1.0:** REPLACE sheet in its entirety, see Enclosures. Updates have been clouded and tagged.

    b. **Drawing A-1.1:** REPLACE sheet in its entirety, see Enclosures. Updates have been clouded and tagged.

    c. **Drawing A-1.21:** REPLACE sheet in its entirety, see Enclosures. Fall protection tag location was updated. Logo sizing was updated.

    d. **Drawing A-7.1:** REPLACE sheet in its entirety, see Enclosures. Finishes have been revised. Updates have been clouded and tagged.

    e. **Drawing H-2.1:** REPLACE sheet in its entirety, see Enclosures. Updated base bid and alternate notes for HVAC systems.

3. **FOR CLARIFICATION:**

   a. **FOR CLARIFICATION**: New addition includes roof work as well as existing hangar. Existing hangar roof work consists of painting entire surface and painting logo on roof as well as flashing work for mechanical and plumbing penetrations.

   b. **FOR CLARIFICATION:** Contractors to provide substitution request form for material to be approved as "proven equal" to materials specified. See Enclosure for Substitution request form.

   c. **FOR CLARIFICATION:** The painting schemes, as shown on the drawings, for the Hangar Door and NRCTC Logo on the roof is accurate regarding intricacy and relative scale. The successful bidder will be required to provide a shop drawing conveying their ability to replicate the schemes as a final proof for the owner's approval. At that time, the owner will provide exact color profiles to comply with their marketing color schemes.

   d. See Enclosures for Bid Sign-in Sheet.

   e. See Enclosure for Pre-Bid Meeting Minutes.

   f. See Enclosure Raleigh County Memorial Airport protocols for operations on AOA

   g. See Enclosure for Substitution Request Form.

   h. See Enclosure for Bid Phase RFI Log.

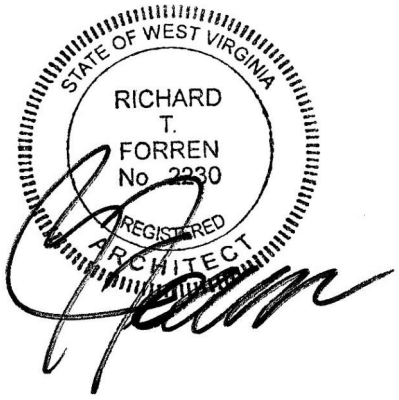
   i. See Enclosures for a Revised Form of Proposal.

   j. See Enclosures for a new 133419 Section Specification.

   k. Questions submitted via the Bid Phase RFI Portal are all reviewed. If your question has not been included in the Bid Phase RFI Log (see Enclosures), it is still under review.

END OF ADDENDUM

Submitted by:
THE OMNI ASSOCIATES - ARCHITECTS



Richard T. Forren, AIA
Principal

Enclosures:
A Bid Sign-in Sheet
B Pre-Bid Meeting Minutes
C Raleigh County Memorial Airport protocols for operations on AOA
D See Enclosure for Substitution Request Form.

E Bid Phase RFI Log
F 004000 REVISED Form of Proposal
G 012300 REVISED Alternates
H 133419 Metal Building Systems
I G-1.0 COVER SHEET
J A-1.1 FLOOR PLAN
K A-1.21 ROOF PLAN
L A-7.1 FINISH PLAN
M H-2.1 HVAC NEW WORK PLANS

New River Community and Technical College
Hangar Renovation and Addition
Pre-Bid Sign In Sheet

Omni Job #2022067

Date 2/24/25

Name	Company Name/Address	Telephone Number & Email	Prime Contractor
Scott Calhoun	Paramount Builders Po Box 1370 St Albans WV 25177	Tele 304-550-8289 Email JConn@paramountwv.com	-
Chris Shaw	Agsten Construction 1700 State Route 34 Hurricane WV 25526	Tele 304 543 0110 Email cshaw@agstenconstruction.com	Yes
Matthew Willis	Danhill Construction Co PO Box 685 Ganley Bridge, WV 25085	Tele 304-719-1450 Email Matthew.willis@danhillconstruction.com	Yes
Klayne Taylor	Brewer ! Company 3601 7th Ave Charleston WV 25387	Tele 304-744-5314 Email Klayne.Taylor@Brewerfire.com	
Daniel Akers	Appalachian Heating PO Box 770 Bradley, WV 25818	Tele 304-877-5566 Email daniel.akers@appheati.com	HVAC
Wolf Creek Contracting	5461 BFG TYLER ROAD CHARLESTON, WV 25313	Tele 304 520 7294 Email estimating@wolfcreekcontractors.com	YES GC

Name	Company Name/Address	Telephone Number & Email	Prime Contractor
Bradley D. Scott	New River Contracting LLC 3270 Main Street East Oak Hill, WV 25901	Tele 864-940-4452 Fax N/A Email info@newrivercontracting.com	✓
Chris Dozier	CDC LLC	Tele 304-553-1553 Fax Email cdozierpcdcllcwv.com	✓
James Manning	Gonday Enterprises Gonday1380@gmail.com	Tele 304-437-1974 Fax Email Gonday1380@gmail.com	✓
Kendall Shumate	Fannie Plumbing 960 Ragland Rd. Beckley	Tele 304-250-7100 Fax Email info@fannieplumbing.com	
Brian Blankenship	Blankenship Consulting 818 Arbuckle Rd. Summersville, WV 26651	Tele 304-619-7119 Email bb@bcwva.com	✓
Jeff Barnhouse	Rock Solid Excavating P.O. Box 611 Ansted, WV 25812	Tele 304-640-2577 Email jeffreybarnhouse@yahoo.com.	
Christian Wells	BPI, Inc.	Tele (304) 760-8909 ext. 4 Email cwells@bpi-gc.com	✓
Randall West	Newport Trading Co P.O. Box 1880 Beaver W.VA 25813	Tele 304-253-2053 Email Newporttrading56@yahoo.com	✓

Name	Company Name/Address	Telephone Number & Email	Prime Contractor
Timothy Reed II	T.W. Reed Construction Electrical	Tele 304 531 8311 Email timothy@twreedconstruction.com	
Joe Kubin	Radford & Radford 860 Ragland Rd Beckley, WV 25801	Tele 304-252-5240 Fax Email joe@rrinc.biz	X
Scotty Belcher	U.S. Crane 1515 11th St NE Roanoke VA 24012	Tele 540-855-7306 Email Scotty@uscraneandrigging.com	
DERRICK SEARS	PO Box 488 SCOTT DEPOT WV 25560	Tele 304-553-6565 Email derrick.Sears@coreandmain.com	
VADYM KAZAKOV	Persinger & Associates PO box 511 Hansford wval 1509	Tele 304 531-27-17 Email PERSINGERandASSOCIATES.com	✓
PATRICK DOE	SNOPE CONSTRUCTION CO. 1325 BLUEFIELD AVE. BLUEFIELD, WV 24701	Tele 304-325-8140 Email BID@SNOPECO.COM	
ADAM SARVER	MAIN STREET BUILDERS, LLC 311 S. WALKER ST PRINCETON, WV 24740	Tele 304-487-3912 Email asarver@msbwv.com	✓
Steven Ratliff	Armor Electric 879 Blue Jay Dr. Beaver, WV 25813	Tele 304-224-4792 Email Armorelectric15@gmail.com	

Name	Company Name/Address	Telephone Number & Email	Prime Contractor
Jordan Roark	NRCTC	Tele 304 923-1110 Email jroark@newriver.edu	
Steve Lacek	NRCTC	Tele 304-929-5037 Email slacek@newriver.edu	
Bob Brunion	RCMA	Tele 304-575-9001 Email brunion@FlyBeckley.com	
Rich Donovan	WVCTCS	Tele 681-313-2212 Email donovan@wvctcs.edu	
Richard Forren	OMNI	Tele Email	
Sarah Chumit	OMNI	Tele Email	
		Tele Email	
		Tele Email	

Pre-Bid Meeting Minutes

1. Mandatory Pre-Bid Conference: Attendance at this conference is a mandatory prerequisite for prime bidders wishing to submit a bid. **Everyone in attendance must fill out the sign-in sheet.** A site visit will be conducted to allow all bidders to verify existing site conditions. Representatives from the Owner/Design Team are present to answer questions regarding scope of work, requirements of the bid and to further clarify existing conditions.

2. Owner/Design Team Representatives:

Project Architect	Richard Forren, AIA Omni Associates-Architects
Project Manager	Sarah Crumit Omni Associates-Architects
Owner's Representative:	Richard Donovan Senior Director of Facilities WV Community and Technical College
Assistant Airport Manager	Bob Runion Raleigh County Memorial Airport

3. Project Overview: The project consists of renovation work to the existing airplane hangar and a one-story addition approximately 1600 sf in size. The addition includes two classrooms, two unisex restrooms, and a janitor closet. Work will include demolition of existing elements, including existing addition to hangar, asphalt, and guardrails. The existing hangar renovation work includes new exterior painting to metal panel siding and metal roof, logo signage on bifold hangar door and roof, and replacement of translucent metal panel. Interior renovation work includes new flooring, extension of mezzanine with additional storage space underneath, and further work as described in Construction Documents.

4. Bidding Format: Single Prime Contract, 5% bid bond for 90 days

5. Bid Submission: Bids shall be submitted in a sealed envelope:

   Bid for:
   New River Community and Technical College Hangar Renovation and Addition
   Name and address of Bidder
   Bidder's WV Contractor's License Number
   To Be Opened at 3:00 pm L.P.T., on March 11, 2025

   Items to be submitted in or with Bid (Form of Proposal). The Form of Proposal is in the Project Manual.
   - Acknowledgement of Addenda
   - List of Proposal Subcontractors & Material Suppliers
   - Contractor's License Number
   - Purchasing Affidavit
   - Drug-Free Workplace Conformance Affidavit
   - 5% Bid Bond on the form provided in the Project Manual

6. Bid Requirements: Sealed bids for the work will be received by the WV Community and Technical College System, Senior Director of Facilities Attention Richard Donovan, **2001 Union Carbide Drive, Building 2000, Charleston, West Virginia,** until **3:00 pm, L.P.T., on March 11, 2025.**

7. Bonds: Bid Bond, Performance Bond, and the Payment Bond will be required. West Virginia code no longer requires to have a West Virginia agent co-sign all bonds.

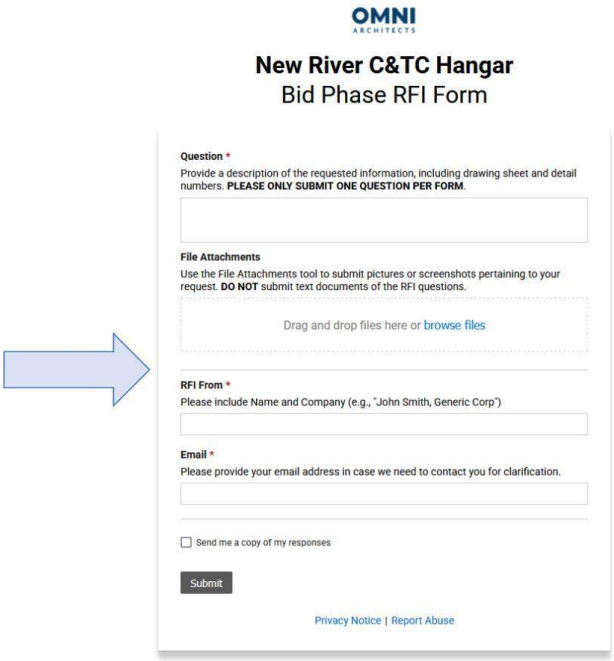
8. AIA Documents: Sample documents are included in the specifications; however, the successful bidder will be required to purchase and use original documents (which include the red logo) during construction.

9. Owner's Occupancy Requirements: The existing hangar building will not be in operation during the construction period.

10. Schedule: Work may begin upon the receipt of the Owner's written Notice to Proceed. Substantial Completion must be achieved within three hundred **(240) consecutive calendar days (**this amends what was shown in specifications**)** following the Notice to Proceed. Final Completion must be achieved within 30 consecutive calendar days thereafter.

11. Design Intent: Interpretation of the bidding documents is solely the responsibility of the Design Team. Any vague, missing or conflicting information must be brought to the attention of the Project Architect for clarification. Bid Phase RFIs must be submitted via the online form provided by the Architect (**https://tinyurl.com/NRH2025**) All bidders will receive the responses via Addenda. Bid Phase RFIs will be accepted until **5:00pm on March 5, 2025** via project dashboard.

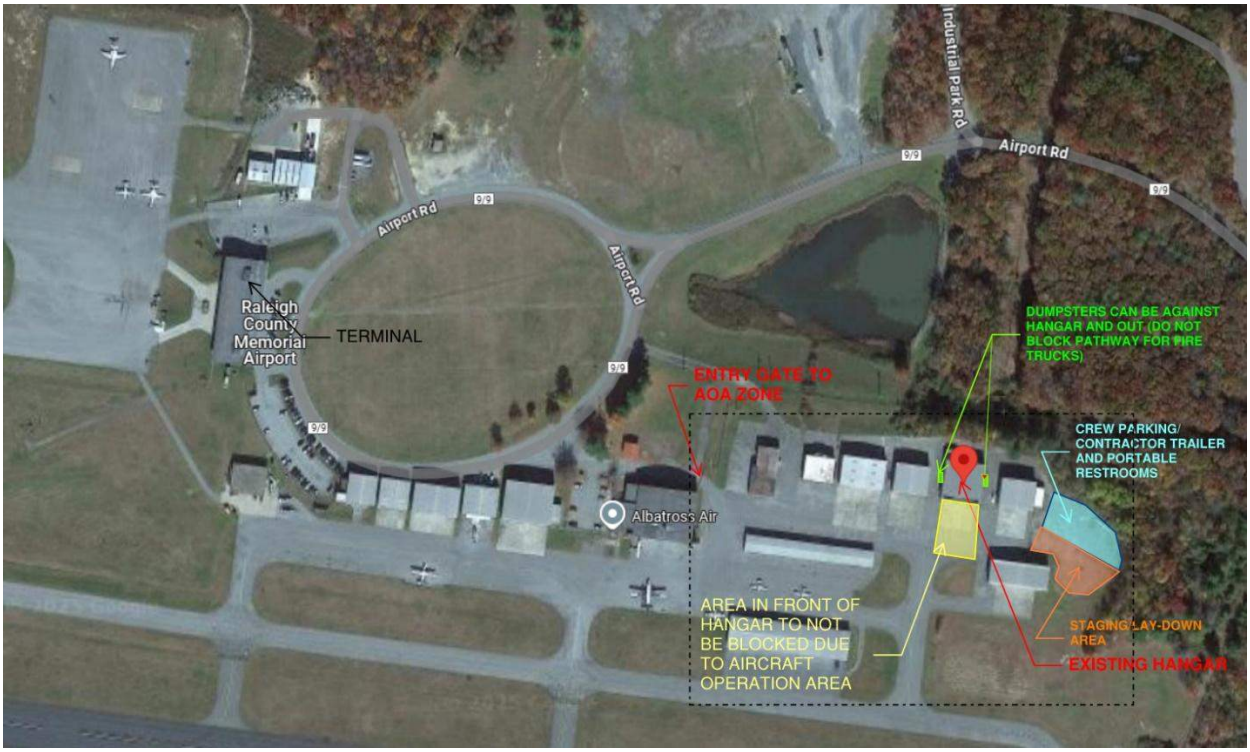
Scan the QR Code to get to the form:



12. Material Specifications: Material and equipment specifications, indicated on the drawings, are considered the basis of design for that material or equipment. If an alternate material or piece of equipment is to be substituted, it must meet all of the same specifications as the basis of design. The architect will be the final approving authority to ensure compliance to all basis of design specifications.

13. Site Visit: A site visit will be conducted after the Pre-Bid Meeting. Contractors are reminded that a site visit is required for bid submission. Change order requests for existing conditions that should have been perceived or anticipated during a site visit will not be considered. If you or your subcontractors need to revisit the site, please contact Jordan Roark, New River Community Technical College, phone 304-929-5451.

14. Site Security and Logistics: Securing of the building during work will be required by the general contractor but contractors are reminded that they are responsible for their own site security. The hangar is inside Airport Operations Areas (AOA) restricted area. Please see Raleigh County Memorial Airport protocols for operations on AOA, Attachment C in Addendum. Site map below indicated locations for parking, restricted areas, and material staging.



15. Construction Administration: The project will be managed electronically. The Omni Associates will require the shop drawing submittals be completed electronically in PDF format via Smartsheet. Please see the Submittals specification sections for further information.

16. Building Permit: Any permits will be the contractor's responsibility and all contractors must have a West Virginia License.

17. Scope of Work: Scope of work review and a walkthrough was completed by the design team.

Raleigh County Memorial Airport protocols for operations on Airport Operations Areas Site Logistics: New River CTC Pre-Bid Meeting for remolding project of hanger #6:

1. **Background Check: Lead Person with the Contractor's Company.**
   Since all work is being done inside the fence. The Lead project manager will need to get a Background Check from the Raleigh County Sheriff's Dept. (Cost approx. $25.00), He will, in turn, provide a list of each employee working on the project by name and address to the Airport. The Lead Contractor can vouch for the other employees.

2. **Safety Meeting/Detail Perimeter:**
   At the beginning day of the project, the Raleigh County Memorial Airport Assistance Manager will conduct a Safety meeting and detail the perimeter of their workspace, storage area for materials, staging area for parking and all supplies, AOA etc.

3. **Work Hours/Access Times to Site?**
   Shifts from 7 AM to 7 PM. Only for security reasons for airport personnel

4. **Staging and laying out of Materials and Project Crew Parking Areas?**
   Suggest a stationary sign be placed, in the gravel lot, for employee parking, equipment storage supplies/ materials. This area is within the fenced area and will provide security of materials, supplies, Etc.

5. **Location for Dumpsters and Removal Site/ Pick Up?**
   Dumpsters can be placed near the workspace (Hangar) on either side needed in the lane between the hangars, leaving the lane open for emergency equipment to get to the rear of the hangars. You could share the trash company that the airport uses, and they also have dumpsters that they can pick up at an appointed time at contractor's expense.

6. **Contractor Site Access to the Airport During Construction?**
   Main access gate. Contractors will be given an access code that will identify their company's access to the secured Airport Operations Area. This code will be kept on a Need-to-Know basis.

   Avoid any excess traffic off the road behind the hanger building because of the weak pavement and all the water lines in that area.

7. **Will Utility Hookups (water and electric) be made available to the contractor for trailer?**
   Would need to be connected to New River CTC Hanager Utilities
   Portable restrooms, if needed can be located beside the contractor trailer.

8. **AOA: Aircraft, Helicopter Activity:**
   Once past the main entrance gate, the area is referenced as Airport Operations Area (AOA). AOA is part of an airport where aircraft, including helicopters, land, take off and maneuver. It also includes the areas for parking, loading, unloading, taxing, and maintenance.

   The New River CTC Hanger is in the AOA and there is lots of aircraft activity and has the right of way. ALL project ground crew members must always exercise extreme caution.

   The New River CTC apron cannot be used for storage or blocking the AOA.

Bob

Robert A. Runion
Raleigh County Memorial Airport
Assistant Airport Manager
176 Airport Circle, Room 115
Beaver, WV 25813
304-255-0476 Office
304-575-9001 Cell
304-253-2095 Fax
Email: brunion@aol.com
Web: flybeckley.com

REQUEST FOR SUBSTITUTION

Project Name

To: _____

_____

_____

_____

_____

Fax: _____

Re: _____

Log Number: _____

Date: _____

From: _____

_____

Project Number: _____

Contract For: _____

Specification Title: _____

Section / Article / Paragraph: _____

Description: _____

Page: _____

Proposed Substitution: _____

Manufacturer: _____ Address: _____ Phone: _____

Trade Name: _____ Model No: _____

Installer: _____ Address: _____ Phone: _____

History: ☐ New Product ☐ 2-5 Years Old ☐ 5-10 Years Old ☐ More than 10 Years Old

Difference between proposed substitution and specified product: _____

_____

_____

☐ Point-by-point comparative data attached – *REQUIRED BY A / E*

Reason for not providing specified item: _____

_____

Similar Installation:

Project: _____ Architect: _____

Address: _____ Owner: _____

_____ Date Installed: _____

Proposed substitution affects other parts of work: ☐ No ☐ Yes Explain: _____

_____

Savings to Owner for accepting substitutions: _____ ($ _____)

Proposed substitution changes Contract Time: ☐ No ☐ Yes [Add] [Deduct] _____ days

---

Supporting Data Attached:

☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

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omni associates - architects, inc.
207 jefferson street • fairmont, wv 26554
P 304.367.1417 • P 855.367.1417 F 304.367.1418

omni411.com

Bid Phase PBI Report

	Auto Number	Question	Response
1		New River CTC Hanger Renovations - Solid high-density polyethylene (HDPE) plastic lockers and locker benches.	Benches are not in scope of work. Please submit substitution request for lockers for architects' approval.
2		Plan Sheet A-1.21, Keyed Notes C20 describes the fall protection. The callout on the plan appears to be not pointing to anything. Please clarify the callout.	See revised A-1.21 sheet for updated location for fall protection note.
3		Is the cove base coated to match the floor, or does it need to be tied into the floor with mortar to be seamless?	See revised A-7.1 sheet for updated interior finishes schedule and notes.
4		Please provide the height of the epoxy cove base.	See revised A-7.1 sheet for updated interior finishes schedule and notes.
5		Plan Sheet A-1.1 depicts the wall type for Room 102 as IF3. However, Plan Sheet A-0.0, under wall assemblies, does not show an assembly for an IF3. Please provide a detail.	IF3 to be removed from project, see A-1.1 Floor Plan Sheet in Addendum. Office existing conditions to remain, protect existing conditions during construction. Scope of work for office include infill existing opening to match existing conditions, and replacing ceiling and lighting.
6		New River C&TC Renovation & Addition Sheet A-1.1; 02/Mezzanine Floor & Roof Plan New Work Confirm the roof new work limits is at the new addition only and that no roof work is required on the existing hanger.	Roof work consist on addition and well as existing hangar. Existing hangar roof work consists of painting entire surface and painting logo on roof as well as flashing work for mechanical and plumbing penetrations.
7		New River T&TC Hanger Renovation & Addition Specification Section: 096735 Resinous Flooring Requestion KRC be an approved "or equal".	Contractor to provide substitution request form for architect's approval. See attachments in Addendum #1.
8		New River C&TC Hanger Renovation & Addition Sheet A-1.21; Note C18 Could a PDF proof be provided of the logo for bidding purposes?	The painting schemes, as shown on the drawings, for the Hangar Door and NRCTC Logo on the roof is accurate regarding intricacy and relative scale. The successful bidder will be required to provide a shop drawing conveying their ability to replicate the schemes as a final proof for the owner's approval. At that time, the owner will provide exact color profiles to comply with their marketing color schemes.
9		New River C &TC Hanger Renovation & Addition Sheet A-7.1; Are the exposed ceilings to be panted?	See revised A-7.1 sheet for updated interior finishes schedule and notes.
10		New River C & TC Hanger Renovation & Addition Sheet AD-1.01 Note 23 & Sheet A-2.1 Note 15 Could a specification be provided for the translucent panel?	See added specification section for translucent panel 133419 Section Specification in Addendum #1

SECTION 00300 – FORM OF PROPOSAL REVISED

BID TO THE OWNER: West Virginia Community and Technical College System
2001 Union Carbide Drive, Building 2000
South Charleston, WV 25303

PROJECT: RFB 25239
New River Community and Technical College
Hangar Renovation and Addition

Bidder's Name: _____

The undersigned, hereinafter called "Bidder," being familiar with and understanding the Bidding Documents, and also having examined the site and being familiar with all local conditions affecting the Project, hereby proposes to furnish all labor, material, equipment, supplies and transportation, and to perform all Work in accordance with the Bidding and Contract Documents within the time set forth below for the sum of:

BASE BID: $ _____

_____
(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

The Bidder, if successful and awarded a Contract, agrees that all Work is to be Substantially Complete within three hundred (**240**) consecutive calendar days following receipt of Owner's written Notice to Proceed and agrees to achieve Final Completion within 30 consecutive calendar days thereafter.

ALTERNATES:
The following Alternates may be added to the Base Proposal if selected by Owner. All work shown on drawings and/or specified is in Base Bid, except for such work specifically called to be an Alternate. Refer to Section 012300 - Alternates.

Alternate No. 1: **Logo:** State the amount to be added to the base bid for the full installation of the New River CTC logo on the hangar door and roof as shown on the bidding documents.

Add: $ _____

_____
(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

Alternate No. 2: **BAS:** State the amount to be added to the base bid for the full installation of a Building Automation System (BAS) connecting the new HVAC units with the New River Headquarters Building's existing BAS as described in the specifications.

Add: $ _____

_____
(Amount to be shown in both words and numbers. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)

Additional Calendar Days (if any) _____

RESPECTFULLY SUBMITTED:

SIGNATURE: _____ DATE: _____
Signature in Ink

NAME: _____ *Corporate Seal if Applicable*
Please Type or Print

TITLE: _____

BIDDERS NAME: _____
BIDDERS ADDRESS: _____

_____

_____

TELEPHONE: _____
EMAIL: _____
CONTRACTOR"S LICENSE NO.: _____

CONTRACTOR'S LICENSE

West Virginia Code §30-42 requires that all persons desiring to perform contractual work in West Virginia must be duly licensed. The West Virginia Contractor Licensing Board is empowered to issue a contractor's license. Application for a contractor's license may be made by contacting the West Virginia Contractor Licensing Board, Building 3, Room 200, 1900 Kanawha Boulevard, East, Charleston, West Virginia 25305. Telephone: (304) 558-7890. West Virginia Code §30-42 requires any prospective Bidder to include the contractor's license number on or with its Bid. Successful Bidder will be required to furnish a copy of their contractor's license prior to issuance of a Purchase Order/Contract.

AFFIDAVITS (on the following pages) – *TO BE SUBMITTED WITH BID OR AS OTHERWISE PERSCRIBED BY LAW*

- PURCHASING AFFIDAVIT: West Virginia code §5A-3-10A states that no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than $1,000 in the aggregate. The Bidder (vendor) shall execute and submit with its bid, or as otherwise prescribed by West Virginia Code, the Purchasing Affidavit provided in the Bidding Documents.

- DRUG-FREE WORKPLACE CONFORMANCE AFFIDAVIT: West Virginia Code §21-1D-5 requires each contractor that submits a bid for the work to submit an affidavit that the contractor has a written plan for a drug-free workplace policy prior to being awarded a contract. The contractor (bidder/vendor) shall execute and submit with its bid, or as otherwise prescribed by West Virginia Code, the Drug-Free Workplace Conformance Affidavit provided in the Bidding Documents.

CERTIFIED DRUG-FREE WORKPLACE REPORT

In accordance with West Virginia Code §21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. That report must include each of the items identified in the Required Report Content section of the Certified Drug-Free Workplace Report Coversheet.

DISCLOSURE OF INTERESTED PARTIES TO CONTRACTS

Pursuant to West Virginia Code §6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of $1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

The Disclosure Form is available at the following URL: http://www.ethics.wv.gov/Pages/forms.aspx

VENDOR REGISTRATION AND DISCLOSURE STATEMENT

The successful Bidder must be a registered vendor with the West Virginia Department of Administration, Purchasing Division, prior to receiving a contract/purchase order. Vendor registration information is available at the following URL: http://www.state.wv.us/admin/purchase/vrc/wv1.pdf

LIQUIDATED DAMAGES

The Owner will suffer financial loss if the Work is not Substantially Complete within the Contract Time following the date established for commencement of the Work in the notice to proceed and/or purchase order. As liquidated damages, and not as a penalty, the Contractor and the Contractor's surety shall be liable for and shall pay the Owner the sum of $ One Thousand Dollars ($1000) per day until Substantial Completion is achieved.

Allowances may be made for delays due to shortages of materials and/or energy resources, subject to proof by documentation, and for delays due to strikes or other delays beyond the control of the Contractor. All delays and any claim for extension of Contract Time must be properly documented in accordance with the General Conditions of the Contract for Construction, AIA Document A201-2017, and the State of West Virginia Supplementary Conditions to AIA Document A201-2017.

ADDENDA ACKNOWLEDGMENT

The undersigned hereby acknowledges receipt of the following Addenda and has taken the information contained therein into full consideration in the formulation of this Bid.

Addenda No. 1 _____

No. 2 _____

No. 3 _____

Failure to acknowledge receipt of each Addendum may be cause for rejection of the Bid.

SIGNATURE: _____ DATE: _____
Signature in Ink

LIST OF PROPOSED SUBCONTRACTORS
(To Be Completed and Submitted with Bid)

List as designated below the proposed subcontractor for each major branch of work for this bid. Also, provide the subcontractor's license number as required by the West Virginia Contractors Licensing Act. If the branch of work is to be completed solely by the Bidder/Contractor, so indicate. If the acceptance of an alternate bid changes a subcontractor, indicate by notation below. The Bidder/Contractor may be requested to change an unsatisfactory subcontractor. The Bidder/Contractor is responsible for selecting or changing subcontractors. The Owner and Architect/Engineer may indicate their concerns about any entity listed which they have reason to believe past experience indicates that poor performance may be expected. The Bidder/Contractor has full responsibility for satisfactory execution of all work in accordance with the Contract Documents. Any change of proposed subcontractors shall be at no additional cost to the Owner, as the Bidder/Contractor has full responsibility for execution of the work. Bidder/Contractor shall have up to two hours after the bid opening to make adjustments if necessary. Owner will suffer loss should Contractor change from those listed beyond the two-hour time stipulated. Please email adjustments/modifications to Chief Procurement Officer at rich.donovan@wvhepc.edu.

Branch of Work/Material Category	Subcontractor/Supplier	Contractor License No.
1. Steel Fabricator		
2. Roof Membrane Manufacturer		
3. Roof Installer		
4. Painting		
5. Mechanical System		
6. Electrical System		

END OF FORM OF PROPOSAL
END OF SECTION 00300

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.

B. Execute accepted alternates under the same conditions as other Work of the Contract.

C. Schedule: A Part 3 "Schedule of Alternates" Article is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

Alternate No. 1: NRCTC Logo:

A. The Base Bid portion of this project shall be to paint the existing metal roof and hangar as indicated these specifications.

ALTERNATE BID: Provide a fully installation New River CTC logo on the hangar roof and provide a fully install paint scheme on the hangar door as shown on the bidding documents.

Alternate No. 2: Building Automation System (BAS) Connection:

A. The Base Bid portion of this project shall be provided as manufacturer provided controls with BACnet IP capability. Provide all necessary materials and labor to monitor the HVAC equipment in the Hanger building via the existing Trane TRACER BMS system at the New River Headquarter & Allied Health Facility over BACnet IP.

1. The Contractor will be solely responsible for the BAS integration.

2. System must be fully integrated and coordinated with mechanical equipment DDC controllers furnished and installed in the equipment manufacturer's factory.

3. The intent of the BAS is to integrate all mechanical equipment into one system for global monitoring and alarming associated with the building.

4. It is the BAS manufacturer's responsibility to provide all the design, engineering, and field coordination required to ensure all equipment sequence of operations are installed and operate as specified and the designated BAS operators have the capability of managing the building mechanical system to ensure occupant comfort while maintaining energy efficiency.

ALTERNATE BID: Provide an extension of the existing Trane Building Automation System (BAS) located at the New River Headquarter & Allied Health Facility to integrate and control all mechanical equipment associated with this project. All new building controllers, and equipment/plant controllers, shall be integrated into the existing Trane BMS at the New River Headquarter & Allied Health Facility.

1. The Contractor will be solely responsible for the BAS integration & sequencing of the unit controllers as part of Alternate.

2. System must be fully integrated and coordinated with mechanical equipment DDC controllers furnished and installed in the equipment manufacturer's factory.

3. The intent of the BAS is to integrate all mechanical equipment into one system for global monitoring and alarming associated with the building.

4. It is the BAS manufacturer's responsibility to provide all the design, engineering, and field coordination required to ensure all equipment sequence of operations are installed and operate as specified and the designated BAS operators have the capability of managing the building mechanical system to ensure occupant comfort while maintaining energy efficiency.

END OF SECTION 012300

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Personnel doors and frames.
   2. Translucent panels.
   3. Accessories.

B. Related Requirements:
   1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
   2. Division 08 – Hollow Metal Doors and Frames and Overhead Coiling Doors

1.2 DEFINITIONS

A. Terminology Standard: See MBMA's "Metal Building Systems Manual" for definitions of terms for metal building system construction not otherwise defined in this Section or in standards referenced by this Section.

B. PEMB – Pre-Engineered Metal Building.

1.3 COORDINATION

A. Coordinate metal panel assemblies with rain drainage work, flashing, trim, and construction of supports and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conferences: Conduct conferences at Project site.

   1. Review methods and procedures related to metal building systems including, but not limited to, the following:

      a. Condition of foundations and other preparatory work performed by other trades.
      b. Structural load limitations.
      c. Construction schedule. Verify availability of materials and erector's personnel, equipment, and facilities needed to make progress and avoid delays.
      d. Required tests, inspections, and certifications.
      e. Unfavorable weather and forecasted weather conditions and impact on construction schedule.

2. Review methods and procedures related to metal wall panel assemblies including, but not limited to, the following:

    a. Compliance with requirements for support conditions, including alignment between and attachment to structural members.
    b. Structural limitations of girts and columns during and after wall panel installation.
    c. Flashings, special siding details, wall penetrations, openings, and condition of other construction that will affect metal wall panels.
    d. Temporary protection requirements for metal wall panel assembly during and after installation.
    e. Wall observation and repair after metal wall panel installation.

1.5 SUBMITTALS

A. See Section 013000 – Administrative Requirements for Submittal Procedures.

B. With Bid, provide letter of Design Certification signed and sealed by a qualified professional engineer. Provide manufacturer Qualification for accreditation under IAS AC472. Include the following:

1. Name and location of Project.
2. Order number.
3. Name of manufacturer.
4. Name of Contractor.
5. Building dimensions including width, length, height, and roof slope.
6. Indicate compliance with AISC standards for hot-rolled steel and AISI standards for cold-rolled steel, including edition dates of each standard.
7. Governing building code and year of edition.
8. Design Loads: Include dead load, roof live load, collateral loads, roof snow load, deflection, wind loads/speeds and exposure, seismic design category or effective peak velocity-related acceleration/peak acceleration, and auxiliary loads (cranes).
9. Load Combinations: Indicate that loads were applied acting simultaneously with concentrated loads, in accordance with governing building code.
10. Building-Use Category: Indicate category of building use and its effect on load importance factors.

C. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

D. Shop Drawings: By manufacturer of metal building systems. Indicate components by others. Include full building plan, elevations, sections, details, and the following:

1. Metal Panel Layout Drawings: Indicate wall. layouts of panels including methods of support. Include details of edge conditions, joints, panel profiles, corners, anchorages, clip spacing, trim, flashings, closures, and special details. Distinguish between factory- and field-assembled work; indicate locations of exposed fasteners.

a. Indicate wall-mounted items including personnel doors, vehicular doors, and lighting fixtures.
b. Indicate translucent panels.

2. Accessory Drawings: Include details of the following items

a. Flashing and trim.

E. Samples for Initial Selection: Manufacturer's standard color sheets, showing full range of available colors for each type of exposed finish.

F. Samples for Verification: Actual sample of finished products for each type of exposed finish.

1. Panels: Translucent panel size to match existing. Include fasteners, closures, and other exposed panel accessories.
2. Flashing and Trim: Flashing and trim around door openings to match existing size around existing openings. Include fasteners and other exposed accessories.
3. Accessories: Samples for each type of accessory.

G. Door Schedule: For doors and frames. Use same designations indicated on Drawings. Include details of reinforcement.

1.6 INFORMATIONAL SUBMITTALS

A. Qualification Data: For building erection from General Contractor.

B. Welding certificates.

C. Erector Certificates for structural frame and all secondary members: For qualified manufacturer-erector.

D. Material Test Reports: For each of the following products, by a qualified testing agency:

1. Structural steel including chemical and physical properties.
2. Bolts, nuts, and washers including mechanical properties and chemical analysis.
3. Tension-control, high-strength, and bolt-nut-washer assemblies.
4. Shop primers.

E. Source quality control reports.

F. Field quality control reports.

1.7 CLOSEOUT SUBMITTALS

Sample Warranties: For special warranties.

A. Letter of Final Design Certification as required by MBMA Metal Building Systems Manual, with final design information and any modifications or changes to the original at-

bid submittal, signed and sealed by a qualified professional engineer. Include the following:

1. Name and location of Project.
2. Order number.
3. Name of manufacturer.
4. Name of Contractor.
5. Building dimensions including width, length, height, and roof slope.
6. Indicate compliance with AISC standards for hot-rolled steel and AISI standards for cold-rolled steel, including edition dates of each standard.
7. Governing building code and year of edition.
8. Design Loads: Include dead load, roof live load, collateral loads, roof snow load, deflection, wind loads/speeds and exposure, seismic design category or effective peak velocity-related acceleration/peak acceleration, and auxiliary loads (cranes).
9. Load Combinations: Indicate that loads were applied acting simultaneously with concentrated loads, in accordance with governing building code.
10. Building-Use Category: Indicate category of building use and its effect on load importance factors.

B. Maintenance Data: For translucent metal panel finishes.

1.8 QUALITY ASSURANCE

A. Provide same types translucent metal panel and metal panel trim finishes from single source supplier, to ensure color matching of initial Architects approved sample.

B. Designer Qualifications: Design structural components, develop shop drawings, and perform shop and site work under direct supervision of a Professional Structural Engineer experienced in design of this type of work.
1. Design Engineer: Licensed in West Virginia.
2. Comply with applicable code for submission of design calculations and reviewed shop and erection drawings as required for acquiring permits.
3. Cooperate with regulatory agency or authorities having jurisdiction (AHJ), and provide data as requested.

C. Perform work in accordance with AISC 360 and MBMA (MBSM).

D. Perform welding in accordance with AWS D1.1/D1.1M.

E. Manufacturer Qualifications: A qualified manufacturer.

1. Not less than 5 years of documented experience.
2. Accreditation: Manufacturer's facility accredited according to IAS AC472, "Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems."
3. Engineering Responsibility: Preparation of comprehensive engineering analysis and Shop Drawings by a professional engineer who is legally qualified to practice in jurisdiction where Project is located.

F. Erector Qualifications: An experienced company who specializes in erecting and installing work similar in material, design, and extent to that indicated for this Project and who is acceptable to the PEMB manufacturer.

G. Welding Qualifications: Qualify procedures and personnel according to the following:

1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
2. AWS D1.3, "Structural Welding Code - Sheet Steel."

H. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
1. Build mockup of typical wall area chosen by Architect, for Architect approval.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Deliver components, sheets, panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.

B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.

C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.

D. Weather Limitations: Proceed with panel installation only when weather conditions permit metal panels to be installed according to manufacturers' written instructions and warranty requirements.

1.10 WARRANTY

A. Special Warranty on Metal Panel Finishes: Manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.

1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:

a. Color fading more than 5 Hunter units when tested in accordance with ASTM D2244.
b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.

2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Obtain metal building system components, including translucent metal panel assemblies and metal panel framing and trim around opening from single source from single manufacturer.
   1. Translucent metal panel to match existing ribbing and design of existing.
   2. Metal Framing and trim around openings to match existing and to be painted to match new paint as shown in drawings.

2.2 PERSONNEL DOORS AND FRAMES

A. Swinging Personnel Doors and Frames:

   1. As specified in Section 081113 "Hollow Metal Doors and Frames."

2.3 TRANSLUCENT PANELS

A. Uninsulated Translucent Panels: Glass-fiber-reinforced polyester, translucent plastic; complying with ASTM D3841, Type CC2 (general purpose), Grade 1 (weather resistant); smooth finish on both sides. Match profile of adjacent metal panels.
   1. Wall Panel Weight: Not less than 6 oz./sq. ft. (1831 g/sq. m).
   2. Light Transmittance: Not less than 55 percent in accordance with ASTM D1494.
   3. Metal Edge: Fabricate full length of each side of panel with metal edge for seaming into standing-seam roof panel joint.
   4. Color: Provide color submittals for Architects approval.

B. General: Provide accessories as standard with metal building system manufacturer and as specified. Fabricate and finish accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes. Comply with indicated profiles and with dimensional and structural requirements.

C. Flashing and Trim: Zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet, 0.018-inch (0.46-mm) nominal uncoated steel thickness, preprinted with coil coating; finished to match adjacent metal panels.

   1. Provide flashing and trim as required to seal against weather and to provide finished appearance. Locations include new framed openings in existing hangar.
   2. Opening Trim: Zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet, 0.018-inch (0.46-mm) nominal uncoated steel thickness, preprinted with coil coating. Trim head and jamb of door openings, and head, jamb, and sill of other openings.

   3. Fasteners for Metal Wall Panels and Translucent Metal Wall Panels:

      a. Self-drilling or self-tapping, zinc-plated, hex-head carbon-steel screws, with EPDM sealing washers bearing on weather side of metal panels.

b. Self-drilling, Type 410 stainless steel or self-tapping, Type 304 stainless steel or zinc-alloy-steel hex washer head, with EPDM sealing washers bearing on weather side of metal panels.

4. Fasteners for Flashing and Trim: Blind fasteners or self-drilling screws with hex washer head.
5. Blind Fasteners: High-strength aluminum or stainless steel rivets.
6. Corrosion-Resistant Coating: Cold-applied asphalt mastic, compounded for 15-mil (0.4-mm) dry film thickness per coat. Provide inert-type noncorrosive compound free of asbestos fibers, sulfur components, and other deleterious impurities.
7. Nonmetallic, Shrinkage-Resistant Grout: ASTM C1107/C1107M, factory-packaged, nonmetallic aggregate grout, noncorrosive, nonstaining, mixed with water to consistency suitable for application and a 30-minute working time.
8. Metal Panel Sealants:

a. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene-compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape of manufacturer's standard size.
b. Joint Sealant: ASTM C920; one part elastomeric polyurethane or polysulfide; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended by metal building system manufacturer.

2.4 FABRICATION

A. General: Design components and field connections required for erection to permit easy assembly.

B. Tolerances: Comply with MBMA's "Metal Building Systems Manual" for fabrication and erection tolerances.

C. Metal Panels: Fabricate and finish metal panels at the factory to greatest extent possible, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements. Comply with indicated profiles and with dimensional and structural requirements.

1. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of metal panel.

2.5 SOURCE QUALITY CONTROL

A. Special Inspection: Owner will engage a qualified special inspector to perform source quality control inspections and to submit reports.

1. Accredited Manufacturers: Special inspections will not be required if fabrication is performed by an IAS AC472-accredited manufacturer approved by authorities having jurisdiction to perform such Work without special inspection.

a. After fabrication, submit copy of certificate of compliance to authorities having jurisdiction, certifying that Work was performed in accordance with Contract requirements.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with erector present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

B. Before erection proceeds, survey elevations and locations of concrete- and masonry-bearing surfaces and locations of anchor rods, bearing plates, and other embedments to receive structural framing, with erector present, for compliance with requirements and metal building system manufacturer's tolerances.

1. Engage land surveyor to perform surveying.

C. Proceed with erection only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Clean and prepare surfaces to be painted in accordance with manufacturer's written instructions for each particular substrate condition.

B. Provide temporary shores, guys, braces, and other supports during erection to keep structural framing secure, plumb, and in alignment against temporary construction loads and loads equal in intensity to design loads. Remove temporary supports when permanent structural framing, connections, and bracing are in place unless otherwise indicated.

3.3 ERECTION OF STRUCTURAL FRAMING

A. Erect metal building system in accordance with manufacturer's written instructions and erection drawings.

B. Do not field cut, drill, or alter structural members without written approval from metal building system manufacturer's professional engineer.

C. Set structural framing accurately in locations and to elevations indicated, in accordance with AISC specifications referenced in this Section. Maintain structural stability of frame during erection.

D. Align and adjust structural framing before permanently fastening. Before assembly, clean bearing surfaces and other surfaces that will be in permanent contact with framing.

Perform necessary adjustments to compensate for discrepancies in elevations and alignment.

1. Level and plumb individual members of structure.
2. Make allowances for difference between temperature at time of erection and mean temperature when structure will be completed and in service.

E. Framing for Openings: Provide shapes of proper design and size to reinforce openings and to carry loads and vibrations imposed, including equipment furnished under mechanical and electrical work. Securely attach to structural framing.

F. Erection Tolerances: Maintain erection tolerances of structural framing within AISC 303.

3.4 INSTALLATION OF TRANSLUCENT PANELS

A. Translucent Panels: Attach translucent panels to structural framing with fasteners in accordance with manufacturer's written instructions. Install panels perpendicular to supports unless otherwise indicated. Anchor translucent panels securely in place, with provisions for thermal and structural movement. Translucent panels to match existing ribbing, size, and design.
1. Provide end laps of not less than 4 inches (102 mm) and side laps of not less than 1-1/2-inch (38-mm) corrugations for metal wall panels.
2. Align horizontal laps with adjacent metal panels.
3. Seal intermediate end laps and side laps of translucent panels with translucent mastic.

3.5 INSTALLATION OF DOORS AND FRAMES

A. General: Install doors and frames plumb, rigid, properly aligned, and securely fastened in place in accordance with manufacturers' written instructions. Coordinate installation with wall flashings and other components. Seal perimeter of each door frame with elastomeric sealant used for metal wall panels.

B. Personnel Doors and Frames: Install doors and frames in accordance with NAAMM-HMMA 840. Fit non-fire-rated doors accurately in their respective frames, with the following clearances:

1. Between Doors and Frames at Jambs and Head: 1/8 inch (3 mm).
2. Between Edges of Pairs of Doors: 1/8 inch (3 mm).
3. At Door Sills with Threshold: 3/8 inch (9.5 mm).
4. At Door Sills without Threshold: 3/4 inch (19.1 mm).

C. Sliding Service Doors: Bolt support angles to opening head members through factory-punched holes. Bolt door tracks to support angles at maximum 24 inches (610 mm) o.c. Set doors and operating equipment with necessary hardware, jamb and head mold stops, continuous hood flashing, anchors, inserts, hangers, and equipment supports.

3.6 INSTALLATION OF ACCESSORIES

A. General: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.

B. Flashing and Trim: Comply with performance requirements and manufacturer's written installation instructions. Provide concealed fasteners where possible, and set units true to line and level. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.

1. Install exposed flashing and trim that is without excessive oil-canning, buckling, and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and to result in waterproof and weather-resistant performance.
2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 ft. (3 m) with no joints allowed within 24 inches (600 mm) of corner or intersection. Where lapped or bayonet-type expansion provisions cannot be used or would not be sufficiently weather resistant and waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch (25 mm) deep, filled with mastic sealant (concealed within joints).

3.7 CLEANING AND PROTECTION

A. Repair damaged galvanized coatings on galvanized items with galvanized repair paint in accordance with ASTM A780/A780M and manufacturer's written instructions.

B. Touchup Painting:

1. After erection, promptly clean, prepare, and prime or reprime field connections, rust spots, and abraded surfaces of prime-painted structural framing[**, bearing plates,**] and accessories.

    a. Clean and prepare surfaces by SSPC-SP 2 or SSPC-SP 3.
    b. Apply a compatible primer of same type as shop primer used on adjacent surfaces.

2. Cleaning and touchup painting are specified in Section 099113 "Exterior Painting"

C. Metal Panels: Remove temporary protective coverings and strippable films, if any, as metal panels are installed. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.

1. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

D. Doors and Frames: Immediately after installation, sand rusted or damaged areas of prime coat until smooth and apply touchup of compatible air-drying primer.

1. Immediately before final inspection, remove protective wrappings from doors and frames.

END OF SECTION 133419

New River Community and Technical College
Hangar Renovation and Addition

DRAWING INDEX

Sheet Number	Sheet Name	BIDDING DOCUMENTS 2025.02.07	ADDENDUM 1 2025.02.28
GENERAL			
G-1.0	COVER SHEET	●	●
G-1.1	CODE COMPLIANCE	●	
CIVIL			
C-1.1	UTILITY RELOCATION PLAN	●	
C-2.1	DETAILS	●	
C-2.2	DETAILS	●	
STRUCTURAL			
S001	GENERAL NOTES	●	
S100	FOUNDATION	●	
S101	LEVEL 1 PLAN	●	
S102	MEZZANINE PLAN	●	
S103	ROOF PLAN	●	
S300	SECTIONS	●	
S500	FOUNDATION DETAILS	●	
S501	STEEL DETAILS	●	
S502	MASONRY DETAIL	●	
S503	MISC. DETAILS	●	
S600	SCHEDULES	●	
ARCHITECTURAL			
A-0.0	ASSEMBLY TYPES, NOTES, AND SYMBOLS	●	
AD-1.0	DEMOLITION PLAN	●	
A-1.1	FLOOR PLAN	●	●
A-1.11	REFLECTED CEILING PLAN	●	
A-1.21	ROOF PLAN	●	●
A-2.0	3D VIEWS	●	
A-2.1	EXTERIOR ELEVATIONS	●	
A-3.1	SECTIONS	●	
A-3.2	WALL SECTIONS AND DETAILS	●	
A-3.3	WALL SECTION AND DETAILS	●	
A-3.4	WALL SECTIONS AND DETAILS	●	
A-4.1	ENLARGED PLANS AND INTERIOR ELEVATIONS	●	
A-5.1	PLAN DETAILS	●	
A-5.2	MEZZANINE DETAILS	●	
A-5.3	DOOR DETAILS	●	
A-6.0	DOOR AND WINDOW SCHEDULES	●	
A-7.1	FINISH PLAN	●	●
A-8.0	SIGNAGE PLAN, SCHEDULE AND TYPES	●	
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H2.1	HVAC NEW WORK PLANS	●	●
H4.1	HVAC SECTIONS	●	
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H5.2	HVAC DETAILS	●	
H5.3	HVAC DETAILS	●	
H6.1	HVAC SCHEDULES	●	
PLUMBING			
P-0.1	PLUMBING NOTES, LEGENDS, SCHEDULES	●	
P-0.2	PLUMBING DETAILS	●	
P-0.3	PLUMBING DETAILS CONT.	●	
P-1.1	FIRST AND SECOND FLOOR PLAN - PLUMBING DEMOLITION	●	
P-2.1	FOUNDATION & FIRST FLOOR PLAN - PLUMBING	●	
P-2.2	SECOND FLOOR & ROOF PLAN - PLUMBING	●	
P-3.1	ENLARGED PLANS - PLUMBING PLAN	●	
FIRE PROTECTION			
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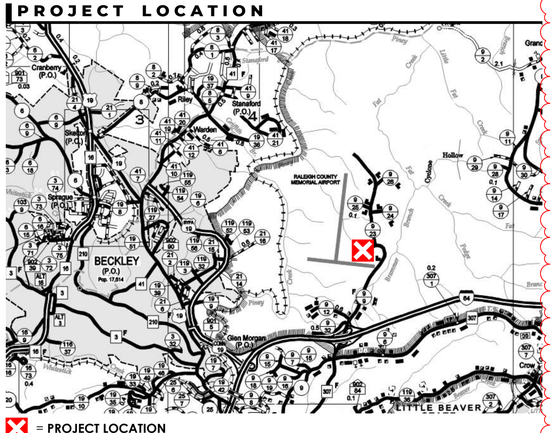
FP-2.1	FIRST AND SECOND FLOOR PLAN - FIRE PROTECTION	●	
ELECTRICAL			
E-0.1	ELECTRICAL SYMBOLS & ABBREVIATIONS	●	
E-1.1	ELECTRICAL DEMOLITION PLANS	●	
E-2.1	LIGHTING PLANS	●	
E-2.2	LIGHTING SCHEDULE & DETAILS	●	
E-3.1	POWER & SYSTEM PLANS	●	
E-3.2	POWER & SYSTEMS SCHEDULES & DETAILS	●	
E-3.3	POWER & SYSTEMS SCHEDULES & DETAILS	●	
E-3.4	POWER & SYSTEMS SCHEDULES & DETAILS	●	

1

PROJECT LOCATION



= PROJECT LOCATION

PROJECT TEAM

OWNER:

New River Community and Technology College
280 University Drive
Beaver, WV 25813

(304) 929-5450

ARCHITECTURAL SERVICES:

Omni Associates, Architects
207 Jefferson Street
Fairmont, WV 26554

(304) 367-1417

CIVIL \ SITE DESIGN:

Ascent Engineering
1700 Anmoore Road
Bridgeport, WV 26330

(304)-933-3463

MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN:

Tower Engineering
115 Evergreen Height Drive, Suite 400
Pittsburgh, PA 15229

(412) 939-1743

STRUCTURAL DESIGN:

Allegheny Design Services
102 Leeway Street
Morgantown, WV 26505

(304) 599-0771

PROJECT INFORMATION

BUILDING ADDRESS:
176 Airport Circle
Beaver, WV 25813
Raleigh County

OWNER ADDRESS:
New River Technical College

TYPE OF WORK:
Addition and Renovation

TYPE(S) OF CONSTRUCTION:
TYPE II(000), IIB

USE\ OCCUPANCY CLASSIFICATION(S):
Business and Group III Aircraft Hangar

FIRE SUPRESSION:
Full

Number of Stories above grade	1
Does this building have a basement?	No
Building Footprint Area	8,272 SF
Total Floor Area (SQ. FT.)	8,824 SF
Floor Area of Addition	1609 SF
Floor Area of Renovation	8,824 SF
Applicable International Building Code (IBC)	2018 IBC
Applicable Life Safety Code	2021 NFPA 101

RICHARD T FORREN No. 23300 LICENSED ARCHITECT STATE OF WEST VIRGINIA

BIDDING DOCUMENTS 2025.02.07

REVISIONS ▼
1 02.28.2025 Addendum 1

NEW RIVER C&TC HANGAR

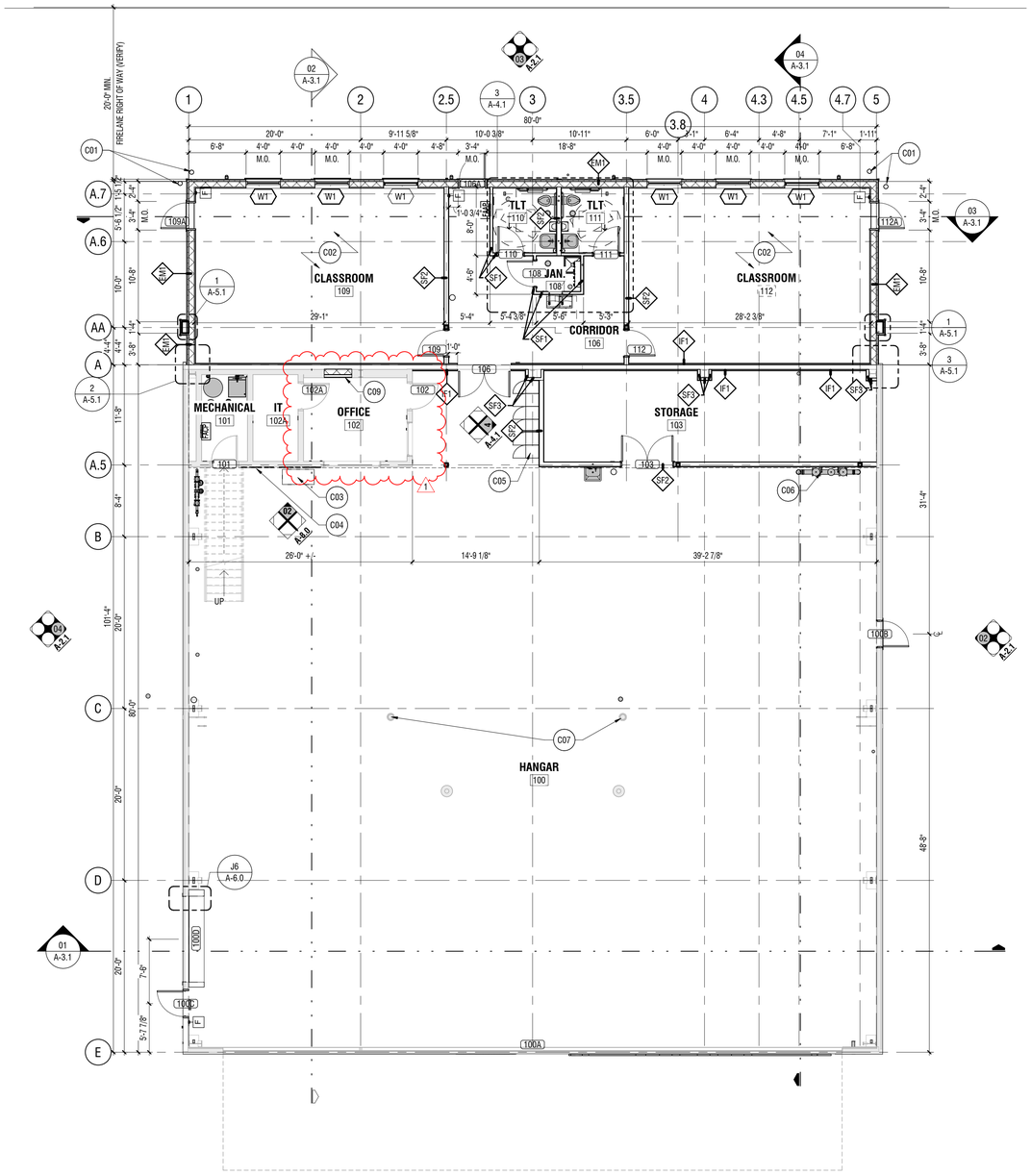
NEW RIVER COMMUNITY AND TECHNICAL COLLEGE
176 Airport Rd, Beaver, WV 25813

COVER SHEET

OMNI ARCHITECTS

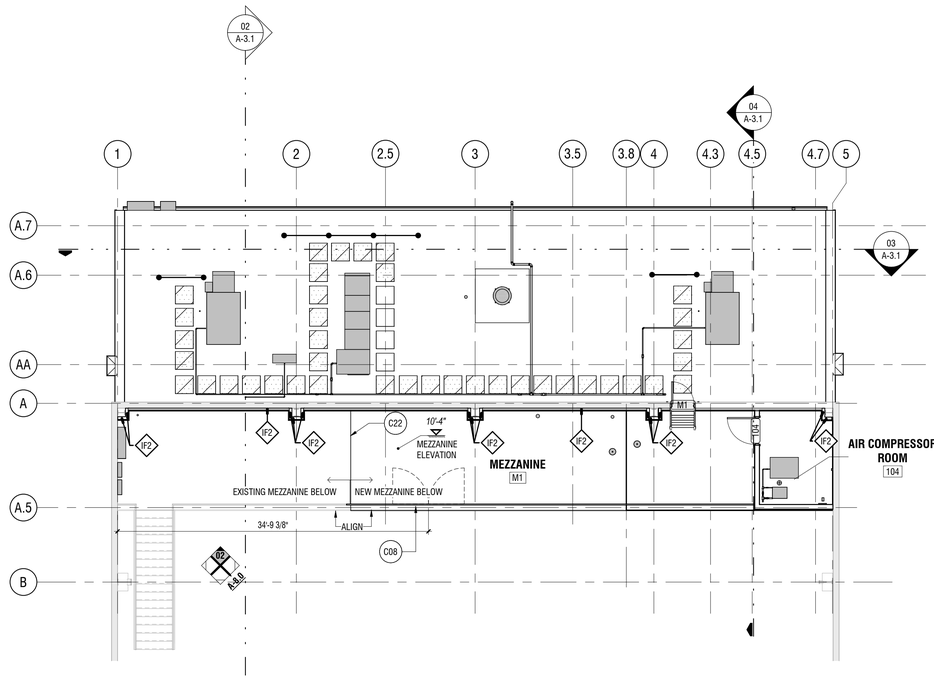
G-1.0

Project No: 2022067 Drawn by: ---



01 FIRST FLOOR PLAN - NEW WORK

SCALE: 1/8" = 1'-0"



02 MEZZANINE FLOOR AND ROOF PLAN - NEW WORK

SCALE: 1/8" = 1'-0" SHEET: A-1.1

KEYED CONSTRUCTION NOTES

#	Note Text
C01	BOLLARDS, SEE CIVIL.
C02	OWNER TO PROVIDE EQUIPMENT.
C03	PARTS WASHER, PROVIDED BY OWNER.
C04	MEZZANINE ABOVE.
C05	LOCKERS
C06	FIRE SUPPRESSION. SEE FIRE PROTECTION DRAWINGS.
C07	NEW FLOOR DRAINS, SEE PLUMBING DRAWINGS.
C08	TWO 4' SECTIONS OF RAILING TO BE REMOVABLE SWING GATE FOR STORAGE ACCESS FROM SIDE OF MEZZANINE.
1 C09	VERIFY EXISTING CONDITIONS AND INFILL OPENING TO MATCH EXISTING CONDITIONS.
C22	PLACE EXPANSION JOINT AND CAULK WHERE NEW MEZZANINE CONCRETE MEETS EXISTING. NEW CONCRETE TO BE ALIGNED WITH EXISTING

GENERAL PROJECT NOTES

GENERAL NOTES APPLY TO ALL DRAWINGS

A. Do not scale the drawings.
B. Verify field conditions prior to commencement of each portion of the work.
C. Dimensions for door and window openings are shown nominal. Allow for 1/4-inch (10) shimming and sealant of exterior frames.
D. All dimensions are actual and are to face of studs, face of concrete walls, face of CMU walls, face of frames, or centerline of columns, unless noted otherwise.
E. General contractor shall coordinate all mechanical chase sizes with mechanical subcontractor.
F. The perimeter of each floor assembly shall be sealed with mineral wool insulation to prevent the passage of smoke between floors, even if the adjacent floors are of the same occupancy.
G. See structural drawings for bracing of nonload bearing masonry walls. Masonry control joints shall be located as shown on structural drawings.
H. The owner shall furnish and install items as noted on the drawings.
I. The owner shall be responsible for providing the contractor with rough-in information necessary to accommodate the installation of owner furnished and installed items.
J. The contractor shall include all owner furnished and installed items in the construction schedule, and shall coordinate with the owner to accommodate these items.
K. General contractor shall coordinate sizes and locations of concrete housekeeping pads with the mechanical and electrical equipment suppliers. Paint all edges of equipment pads safety yellow.
L. Safety glazing shall be required in the following locations. See IBC Chapter 24 for exceptions.:
   a. Doors
   b. Windows (including sidelites and borrow lites) within 24" of any door where the glazing is less than 60" above the walking surface
   c. Windows, when all of these conditions are met:
      - The exposed glazing is larger than 9sf
      - The bottom edge of glazing is less than 18" above the floor
      - The top edge of the glazing is greater than 36" above the floor
      - One or more walking surfaces are within 36" of the glazing plane
   d. Glazing in guards and railings, including baluster and infill panels
   e. Windows adjacent to stairways or walkways where the glazing is less than 60" above the walking surface
   f. Fire department access panels (including all panes of a multi-pane insulated glass unit)
M. Where a U.L. Design is noted in drawings contractor is responsible for ensuring construction meets U.L. assembly as described in their standards. Consult architect when clarification is needed.

STATE OF WEST VIRGINIA
RICHARD T FORREN
No. 2200
REGISTERED ARCHITECT

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NEW RIVER C&TC HANGAR

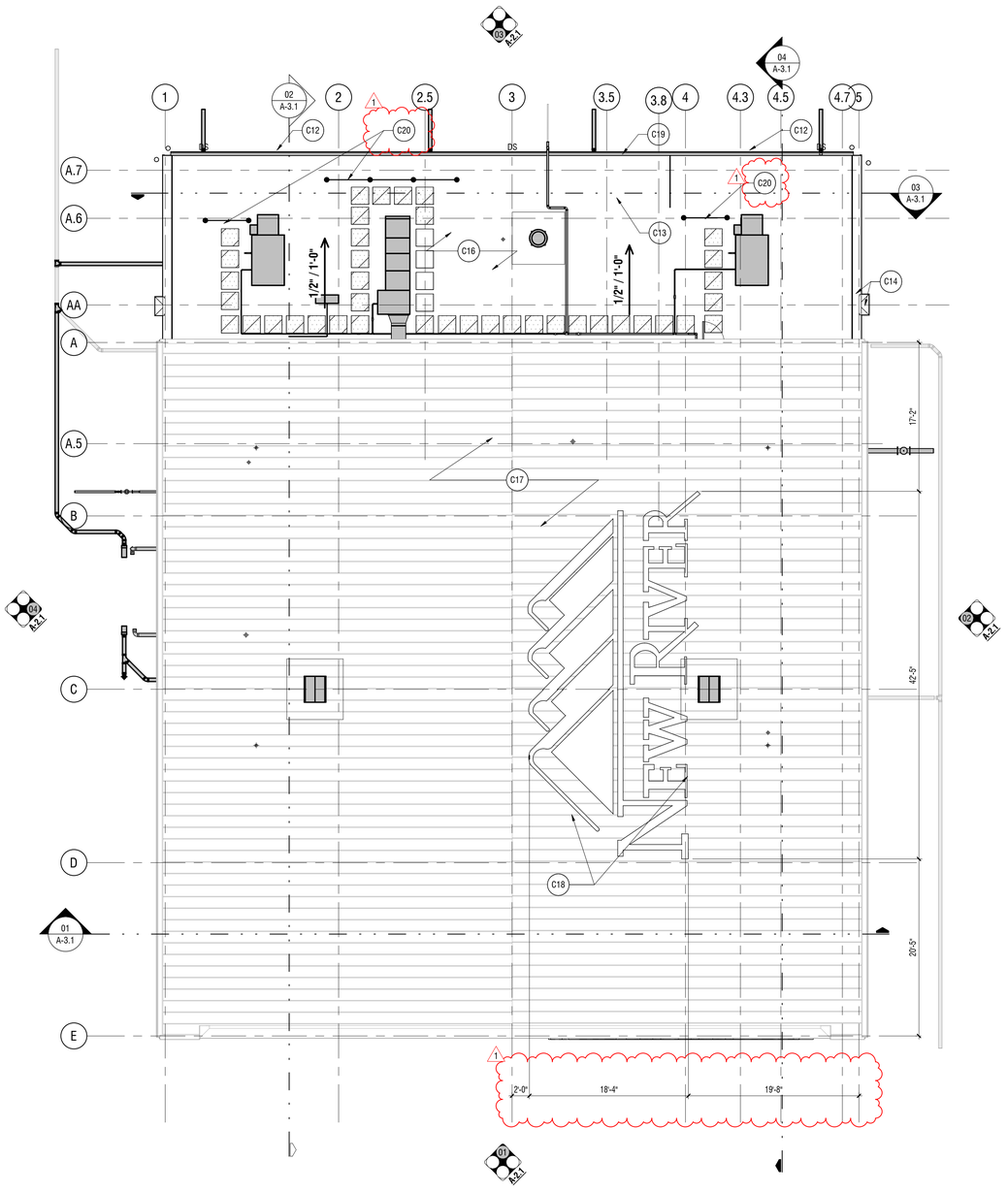
NEW RIVER COMMUNITY AND TECHNICAL COLLEGE
176 Airport Rd, Beaver, WV 25813

FLOOR PLAN

OMNI ARCHITECTS

A-1.1

Project No: 2022057 **Drawn by:** ---



01 ROOF PLAN

SCALE: 1/8" = 1'-0" SHEET: A-1.21

ROOF NOTES

A. Coordinate size and location of roof penetrations with mechanical and electrical.
B. See structural for framing around roof penetrations.
C. See mechanical for additional openings not shown on this plan.
D. In the absence of a detail of any condition on the roof, preferred details of the NRCA shall apply. Under all circumstances, the concepts set forth in the NRCA manual, current edition, shall be followed to produce a professionally executed, watertight installation.
E. In the absence of a detail regarding sheet metal, downspouts, gutters, conductor heads, or scuppers, the preferred details of SMACNA shall apply. Under all circumstances, the concepts set forth in the SMACNA manual, current edition shall be followed to produce a professionally executed, well crafted, watertight installation.
F. Provide crickets at all curbs and equipment rails set perpendicular to roof slope, which are greater than 24 inches wide.
G. Coordinate MEP supports and penetration requirements with architectural roofing and structural drawings. Roofing flashing details shown on architectural drawings take precedence over MEP drawing when a conflict exists specific to how to install roofing or sheet metal.
H. U.N.O., all roof penetrations and flashings shall adhere to NRCA roofing and waterproofing manual, 5th edition, construction details.
I. U.N.O., all sheet metal details shall adhere to guidelines set forth in SMACNA architectural sheet metal manual, current edition.

KEYED CONSTRUCTION NOTES

#	Note Text
C12	WALL PACK LIGHTING, SEE ELECTRICAL.
C13	WALK PADS.
C14	METAL PARAPET COPING.
C16	NEW ROOF.
C17	EXISTING ROOF.
C18	(SEE ALTERNATE) - PAINT LOGO ON EXISTING BIFOLD DOOR, AS PART OF THE EXTERIOR PAINT SUBMITTAL, THE CONTRACTOR WILLL PROVIDE A TO SCALE SHOP DRAWING FOR ALL SPECIALIZED PAINT SCHEMES AND LOGOS
C19	ALUMINUM GUTTER.
C20	FALL PROTECTION. BASIS OF DESIGN: EDGE FALL PROTECTION 360 MOBILE SAFETY RAILING, NON-PENETRATING ROOF RAILING OR PROVEN EQUAL . FINAL DESIGN TO ADHEAR TO OSHA GUIDELINES AND REQUIREMNTS

RICHARD T. FORREN No. 2020 REGISTERED ARCHITECT STATE OF WEST VIRGINIA

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NEW RIVER C&TC HANGAR

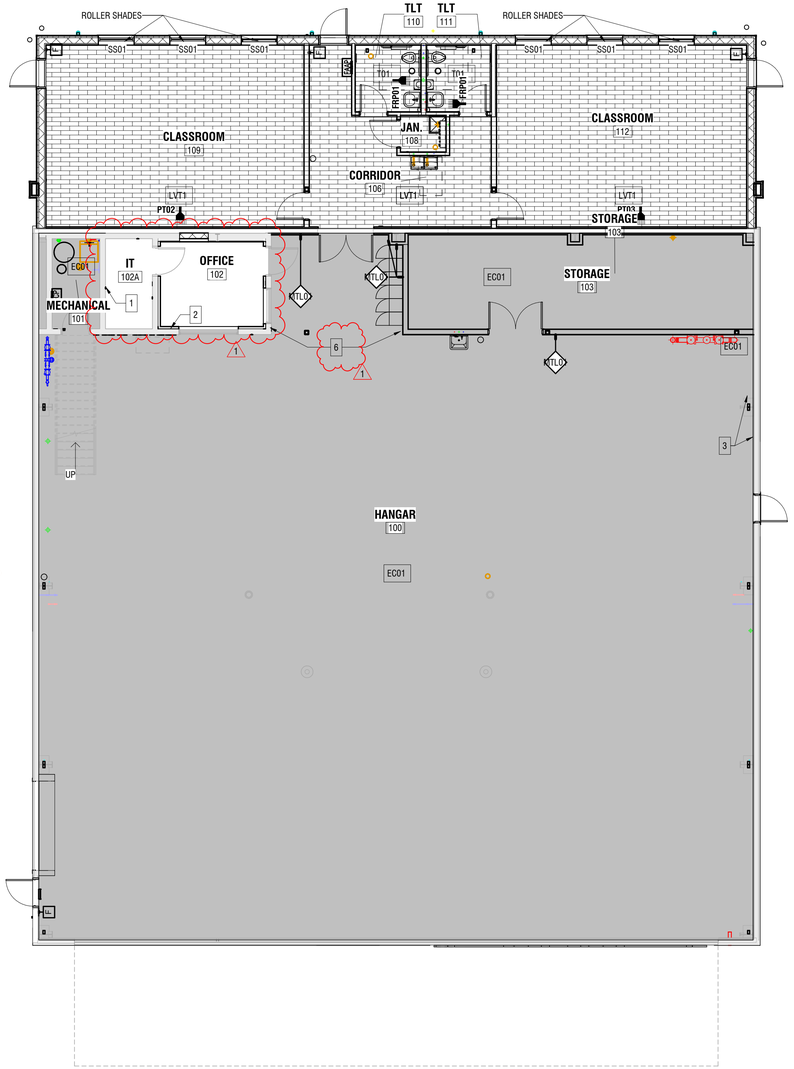
NEW RIVER COMMUNITY AND TECHNICAL COLLEGE
176 Airport Rd, Beaver, WV 25813

ROOF PLAN

OMNI ARCHITECTS

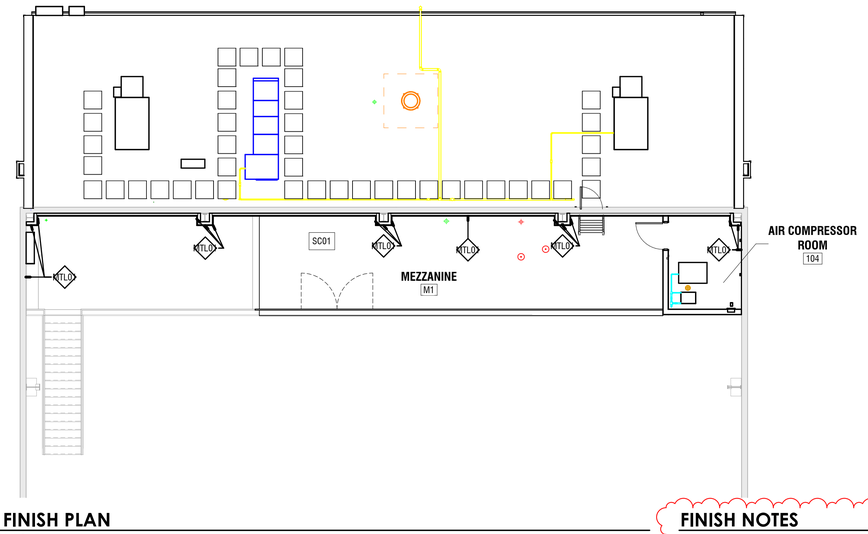
A-1.21

Project No: 2022067 **Drawn by:** Author



01 FIRST FLOOR FINISH PLAN

SCALE: 1/8" = 1'-0" SHEET: A-7.1



02 MEZZANINE FINISH PLAN

SCALE: 1/8" = 1'-0" SHEET: A-7.1

INTERIOR FINISH SCHEDULE

SPACE Number	SPACE Name	WALL FINISH	FLOOR FINISH	BASE FINISH	CEILING FINISH	REMARKS
01 FIRST FLOOR						
100	HANGAR	PT01	EC01		EXP	SEE NOTE 3,5 ON FINISH NOTES
101	MECHANICAL	PT01	EC01		EXP	
102	OFFICE	PT01	EXISTING FLOORS	RB01	EXP	SEE NOTES 2,3,4 ON FINISH NOTES
102A	IT	PT01	EXISTING FLOORS	RB01	ACT01	SEE NOTE 4 ON FINSH NOTES
103	STORAGE	PT01	EC01	RB01	EXP	
106	CORRIDOR	PT01	LVT01	RB01	ACT01	
108	JAN.	PT01	LVT01	RB01	ACT01	
109	CLASSROOM	PT01, PT02	LVT01	RB01	ACT01	SEE FINISH PLAN FOR ACCENT LOCATIONS
110	TLT	PT01, FRP01	LVT01	RB01	ACT01	SEE FINISH PLAN FOR ACCENT LOCATIONS
111	TLT	PT01, FRP01	LVT01	RB01	ACT01	SEE FINISH PLAN FOR ACCENT LOCATIONS
112	CLASSROOM	PT01, PT03	LVT01	RB01	ACT01	SEE FINISH PLAN FOR ACCENT LOCATIONS
MEZZANINE CEILING PLAN						
104	AIR COMPRESSOR ROOM	PT01	SC01	RB01	GWB	SEE NOTE 3 ON FINISH NOTES
M1	MEZZANINE	MT01, PT01	SC01		EXP	SEE FINISH PLAN FOR MT01 LOCATIONS, SEE NOTE 3 ON FINISH NOTES

PAINT

PT01 FIELD COLOR
MANF: SHERWIN WILLIAMS
TYPE: SHOJI WHITE SW7042
NOTES:

PT02 ACCENT COLOR
MANF: SHERWIN WILLIAMS
TYPE: ESCAPE GRAY SW6185
NOTES:

PT03 ACCENT COLOR
MANF: SHERWIN WILLIAMS
TYPE: DEBONAIR 9139
NOTES:

PT04 INTERIOR HM DOOR FRAMES
MANF: SHERWIN WILLIAMS
TYPE: INTELLECTUAL GRAY SW7045
NOTES: FOR ALL INTERIOR HM FRAMES

RESILIENT BASE

RB01 RUBBER BASE
MANF: MOHAWK
TYPE: 4" COVE BASE, 63 BUFF
NOTES:

LVT

LVT01 LVT
MANF: SHAWCONTRACT
TYPE: TERRIAN II RIGID CORE, ECHO 00775
NOTES: PATTERN LAY, STAGGER

SEALED CONCRETE

SC01 SEALED CONCRETE
NOTES: CLASS B, LEVEL 2 FINISH, SEE SPECIFICATION FOR MORE INFORMATION

SOLID SURFACE

SS01 SOLID SURFACE
MANF: FORMICA, TRADITIONS
TYPE: ASHEN CONCRETE, 1/8 ROUND OVER
NOTES: SEE FINISH PLAN FOR LOCATIONS

EPOXY COATING

EC01 EPOXY COATING
MANF: SHERWIN WILLIAMS
TYPE: DECO FLAKE 1/4 FLAKE BLUE SHADOW
NOTES:

MISCELLANEOUS

ACT01 ACOUSTIC CEILING TILE
MANF: ARMSTRONG
TYPE: LEDGES 8013
NOTES:

RS01 ROLLER SHADES
MANF: DRAPER FLEXSHADES
TYPE: 007020, PEARL LINEN, 3%OPENNESS
NOTES:

MTL01 METAL PANEL
NOTES: MATCH EXISTING INTERIOR PANEL IN HANGAR. PAINT EXISTING AND NEW PT02

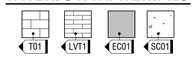
FRP01 FIBERGLASS REINFORCED PANELS
MANF:INPRO
TYPE: PRISM, ACRYLIC SURFACE WALL PANELS, LINEAR MIS
NOTES: 9' HIGH , RESTROOM WET WALLS

FINISH NOTES

A. Finish notes apply to all finish sheets.
B. Ceiling heights, as noted on the reflected ceiling plans or in the room finish schedule, are measured from finish floor of scheduled room.
C. Where floor finish changes from one room to another, set joint of the materials at the center of the communicating door.

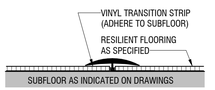
1. Paint existing block walls field color.
2. Paint exsiting block field color
3. Paint new and existing interior 8'-0" metal panel PT02.
4. Protect existing floors in office during construction.
5. Where epoxy flooring meets interior metal panel MT01 no base is required. Remove existing MT01 as necessary when applying epoxy floor to ensure clean application. Protect existing interior metal panels during construction.
6. Only Paint exposed ceiling black at open area under mezzaine by lockers other exposed ceiling to remain unpainted.

INTERIOR MATERIALS



T4 TRANSITION VCT TO SUBFLOOR

SCALE: 6" = 1'-0" SHEET: A-7.1



T5 TRANSITION VCT TO VCT

SCALE: 6" = 1'-0" SHEET: A-7.1

STATE OF WEST VIRGINIA
RICHARD T. FORREN
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NEW RIVER C&TC HANGAR

NEW RIVER COMMUNITY AND TECHNICAL COLLEGE
176 Airport Rd, Beaver, WV 25813

FINISH PLAN

OMNI ARCHITECTS

A-7.1

Project No: 2022067 **Drawn by:** Author

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Project Number: 2024172

JAMES N. KOSINSKI REGISTERED 16993 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER 02/25/25

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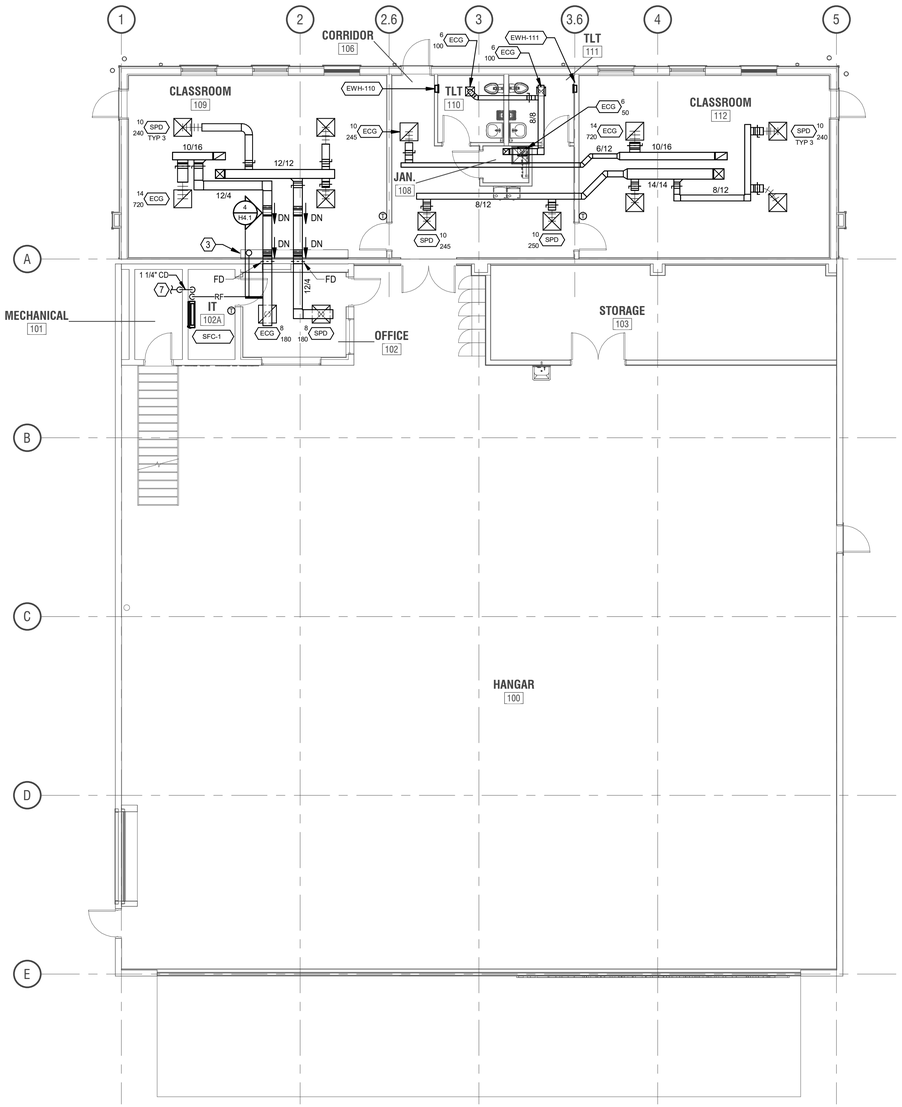
GENERAL NOTES

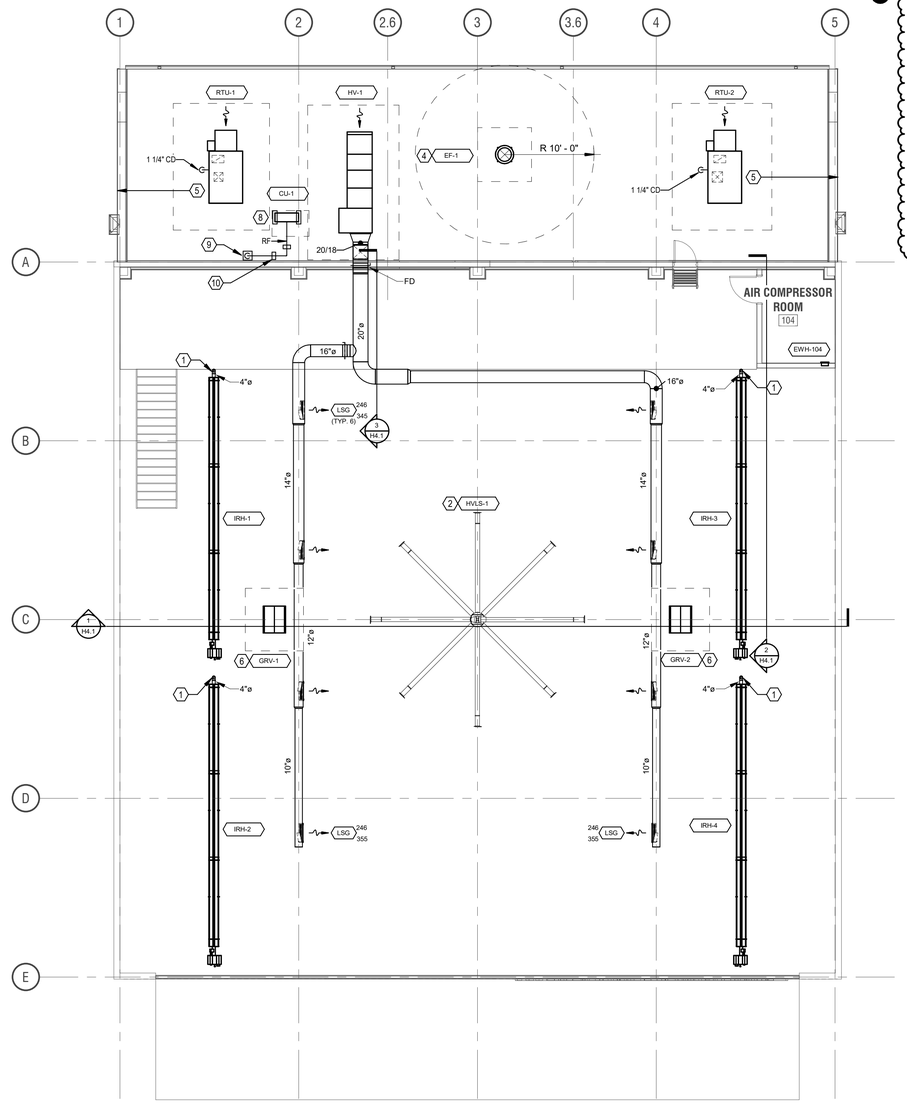
A. DRAWINGS ARE DIAGRAMMATIC. EXISTING CONDITIONS ARE BASED ON FIELD SURVEY. VARIATIONS IN THE ACTUAL INSTALLED CONDITIONS MAY BE ENCOUNTERED BY THE CONTRACTOR. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
B. HVAC TRADE SHALL COORDINATE ALL UTILITY SHUTDOWNS WITH THE OWNER. COORDINATION SHALL OCCUR A MINIMUM OF SEVEN DAYS IN ADVANCE OF SHUTDOWN.
C. UNLESS OTHERWISE NOTED, BRANCH DUCTWORK SHALL BE THE SAME SIZE AS DIFFUSER OR REGISTER NECK INLET.
D. THE BASE BID SHALL INCLUDE MANUFACTURER PROVIDED CONTROLS FOR ALL NEW HVAC EQUIPMENT WITH BACNET IP. CONTRACTOR SHALL INTEGRATE HVAC EQUIPMENT WITH EXISTING BAS SYSTEM LOCATED IN THE HEADQUARTER AND ALLIED HEALTH FACILITY BUILDING FOR REMOTE MONITORING OVER BACNET IP. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DESIGN, ENGINEERING, AND FIELD COORDINATION REQUIRED TO ENSURE A COMPLETE AND FUNCTIONING SYSTEM INSTALLATION. REFER TO SECTION 012300 "ALTERNATES" FOR ADDITIONAL INFORMATION.
E. ALTERNATE BID SHALL INCLUDE INSTALLATION OF EXTENSION OF EXISTING TRANE BMS SYSTEM LOCATED IN HEADQUARTER AND ALLIED HEALTH FACILITY BUILDING. NEW BAS SYSTEM SHALL COMMUNICATE WITH EXISTING BAS SYSTEM LOCATED AT HEADQUARTER AND ALLIED HEALTH FACILITY BUILDING FOR REMOTE MONITORING OF HVAC EQUIPMENT. BAS MANUFACTURER SHALL BE RESPONSIBLE FOR ALL DESIGN, ENGINEERING, AND FIELD COORDINATION REQUIRED TO ENSURE A COMPLETE AND FUNCTIONING SYSTEM INSTALLATION. REFER TO SECTION 012300 "ALTERNATES" FOR ADDITIONAL INFORMATION.

CODED NOTES

1 VENT THRU ROOF. PROVIDE MANUFACTURER'S STANDARD ROOF VENTING KIT.
2 INTERLOCK WITH FIRE ALARM SYSTEM TO SHUTDOWN FAN OPERATION UPON RECEIPT OF FIRE ALARM SIGNAL.
3 OFFSET DUCTWORK IN BULKHEAD. REFER TO ARCH DRAWINGS FOR BULKHEAD CONSTRUCTION.
4 MAINTAIN A MINIMUM OF 10'-0" OF CLEARANCE FROM OUTSIDE AIR INTAKES.
5 MAINTAIN A MINIMUM OF 10'-0" OF CLEARANCE EDGE OF EQUIPMENT TO ROOF EDGE.
6 ROOF VENTILATOR INSTALLED ON ROOF ABOVE.
7 TERMINATE CONDENSATE PIPING AT FLOOR DRAIN.
8 INSTALL CONDENSING UNIT ON EQUIPMENT RAILS OR SUPPORTS.
9 INSTALL PIPE PORTAL.
10 INSTALL PIPE SUPPORTS.



1 LOWER FIRST FLOOR PLAN - HVAC - NEW WORK
SCALE: 1/8" = 1'-0"



2 UPPER FIRST FLOOR PLAN - HVAC - NEW WORK
SCALE: 1/8" = 1'-0"

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HVAC NEW WORK PLANS

OMNI ARCHITECTS

H2.1

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Project No: 2022067 Drawn by: ZTS