

Addendum

Tower Project Name: WVNCC HVAC Controls and Repairs

Tower Project Number: 2020103

Client: WV Community & Technical College System

Prepared By: Tom Valerio Date: 08/27/2021

Addendum Number: 3

SPECIFICATIONS

Item No. 3.01

Section 00300 - Form of Proposal

DELETE the Form of Proposal in its entirety and replace with the Form of Proposal attached herein.

<u>Item No. 3.02</u>

012200 Unit Prices

ADD article 3.1G as follows:

- G: Unit Price No. 6 Furnish and install RTU BACnet Communication Card:
 - Description: Furnish and install BACnet communication card in existing packaged rooftop heating and air conditioning unit that is compatible with the BAS specified in Section 230900 Automatic Temperature Control for HVAC. Price quoted shall apply to any or all packaged rooftop equipment in service today at any WVNCC building.
 - 2. Unit of Measurement: Numeric quantity.

Item No. 3.03

SECTION 012300 Alternates, Article 3.1 Schedule of Alternates

DELETE Paragraph N. Alternate No. 7.1: Replace Weirton Campus, South Wing VAV Terminal Units in its entirety and replace with the following:

- N. Alternate No. 7.1: Replace Weirton Campus, South Wing VAV Terminal Units.
 - Base Bid: Retain fan-powered and shutoff VAV terminal units serving the Weirton Campus South Wing for continued use. Provide DDC control components to accomplish the sequence described in Section 230993.07 "Weirton Campus - Sequence of Operations for HVAC Control", Articles 3.5 Variable Air Volume (VAV) Terminal Boxes with Electric Reheat Coils and 3.6 Fan Powered Terminal Boxes with Electric Reheat Coils. Replace existing thermostat.

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2. Alternate:

- a. Replace fan-powered and single duct shutoff VAV terminal units with electric reheat cols serving the Weirton Campus South Wing, including related electrical branch circuits as indicated and illustrated on Drawings H7.1 and H7.2, and specified in Section 233600 "Air Terminal Units".
- b. Furnish and install new thermostat and CO₂ sensors where indicated. Provide DDC control "Testing, Adjusting, and Balancing for HVAC".
- c. Furnish and install new VAV terminal unit field controllers to serve each new fan-powered terminal unit and each new VAV terminal unit.

Item No. 3.04

SECTION 230993.07 WEIRTON CAMPUS - SEQUENCE OF OPERATIONS FOR HVAC CONTROL

DELETE article 3.7. ELECTRIC DUCT REHEAT COILS in its entirety and replace with the following:

3.7. ELECTRIC DUCT REHEAT COILS

A. Existing electric duct reheat coils are locally controlled and do not report to the BAS. Maintain control operability of the existing electric reheat coils. Functionally test the operation of each electric duct reheat coil and report findings of inoperability to the owner.

DRAWINGS

Item No. 3.5

The following drawings are revised as marked and reissued as attached:

DRAWING H7.1 – Weirton Campus First Floor Plan.

DELETE Coded Note 4 in its entirety and replace with the following:

4: <u>Under Alternate 7.1:</u> Replace existing fan-powered VAV Terminal Unit, field controller and electric duct heater with equivalent equipment meeting performance Scheduled on drawings. Balance to evenly distribute airflow among each diffuser served.

DELETE Coded Note 5 in its entirety and replace with the following:

5: <u>Under Alternate 7.1:</u> Replace VAV Terminal Unit and field controller with equivalent equipment meeting performance scheduled on drawings. Balance to evenly distribute airflow among each diffuser served.

DELETE Coded Note 13 in its entirety and replace with the following:

13: <u>Under Alternate 7.1:</u> Replace existing fan-powered VAV Terminal Unit, field controller and electric duct heater with new VAV Terminal Unit with electric reheat equivalent equipment meeting performance Scheduled on drawings. Balance to evenly distribute airflow among each diffuser served.

DELETE Coded Note 26 in its entirety and replace with the following:



26: Existing thermostat and control operability to remain.

DRAWING H7.2 - Weirton Campus Second Floor Plan.

DELETE Coded Note 9 in its entirety and replace with the following:

9: <u>Under Alternate 7.1:</u> Replace existing fan-powered VAV Terminal Unit, field controller and electric duct heater with equivalent equipment meeting performance Scheduled on drawings. Balance to evenly distribute airflow among each diffuser served.

DELETE Coded Note 10 in its entirety and replace with the following:

10: <u>Under Alternate 7.1:</u> Replace VAV Terminal Unit and field controller with equivalent equipment meeting performance scheduled on drawings. Balance to evenly distribute airflow among each diffuser served.

DELETE Coded Note 24 in its entirety and replace with the following:

24: Existing thermostat and control operability to remain.

CLARIFICATIONS

Item No. 3.06

Where references to Test, Adjust and Balance scope of work are made throughout the construction documents or on any addendum; the intent shall be for the TAB work to be performed by a subcontractor hired by the owner, independently of this contract as specified in Section 230593.01 Testing, Adjusting, And Balancing for HVAC, and for this Contractor to provide supporting services necessary to facilitate TAB work as specified in Section 230593.02 HVAC Support Services for TAB Specialist.

END OF ADDENDUM

SECTION 00300 - FORM OF PROPOSAL

BID TO THE OWNER:	Chief Procurement Officer RFB 22032 WV Community and Technical College System 1018 Kanawha Boulevard, East, Suite 700
	Charleston, WV 25301
PROJECT:	RFB 22032 WV Northern Community College - HVAC Controls and Repairs
Bidder's Name:	
Documents, and also ha Project, hereby propose	inafter called "Bidder," being familiar with and understanding the Bidding aving examined the site and being familiar with all local conditions affecting the is to furnish all labor, material, equipment, supplies and transportation, and to ordance with the Bidding and Contract Documents within the time set forth below
BASE BID:	\$
i	(Amount to be shown in both words and numbers for Base Bid, Alternates and Unit Prices. In the event of a difference between the written amount and the number amount, the written amount shall prevail.)
Substantially Complete of following receipt of Own	The Bidder, if successful and awarded a Contract, agrees that all Work is to be on or before July 1, 2022, (includes Base Bid Work, plus Alternates accepted) er's written Notice to Proceed and agrees to achieve Final Completion within 30 ys thereafter. Notice to Proceed Date is expected to be on or before October 1,
drawings and/or specifie	may be added to the Base Proposal if selected by Owner. All work shown on ed is in Base Bid, except for such work specifically called to be an Alternate Alternates. (NOTE: In event of a discrepancy, amount in words shall govern.)
Alternate No. 1.	1: Replace B&O Building AHU-11 and CU-11
Add:	\$
	;
•	(Amount to be shown in both words and numbers)
Alternate No. 1.	2: Professionally clean B&O Building AHU-21 interior and coil surfaces.
Add:	\$

FORM OF PROPOSAL 00300 - 1

(Amount to be shown in both words and numbers)

Alternate No. 1	I <u>,3</u> : Replace B&O Building CU-21
Deduct:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. 1 Valves	1.4: Replace B&O Building VAV Terminal Unit Controllers and HW Control
Add:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. 1	1.5: Professionally Clean B&O Building VAV Terminal Unit HW Coils
Deduct:	\$
	(Amount to be shown in both words and numbers)
Alternate No. 2	2.1: Correct Education Center Kitchen Area Airflow Imbalance.
Add:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. Control Valves	2.2: Replace Education Center VAV Terminal Unit Controllers and HW
Deduct:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. 2	2.3: Professionally Clean Education Center VAV Terminal Unit HW Coils
Add:	\$
	(Amount to be shown in both words and numbers)
Alternate No. 2	2.4: Repair Education Center Chiller
Deduct:	<u>\$</u>
	(Amount to be shown in both words and numbers)

Alternate No. 3 HW Coils	3.1: Professionally Clean Applied Technology Center VAV Terminal Unit
Add:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. 3	8.2: Professionally clean existing Applied Technology Center RTU \$
Doddon.	y
	(Amount to be shown in both words and numbers)
Alternate No. 4	8.1: Not Used: No alternates apply to work in the Student Union building.
Alternate No. 5 Center.	5.1: Not Used: No alternates apply to work in the Industrial Technology
	6.1: Replace RTU-2 and RTU-5 serving the New Martinsville Campus.
Deduct:	\$
	(Amount to be shown in both words and numbers)
Alternate No. 6	8.2: Repair New Martinsville Campus RTU-4 and RTU-6 Refrigeration Leaks
Deduct:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. 7	7.1: Replace Weirton Campus, South Wing VAV Terminal Units
Add:	<u>\$</u>
	(Amount to be shown in both words and numbers)
Alternate No. 7	7.2: Field investigate issue and repair RTU-9 serving the Weirton Campus.
Deduct:	\$
	(Amount to be shown in both words and numbers)

Alternate No.	<u>7.3</u> :	Field investigate issue and repair RTU-11 serving the Weirton (Campus
Add:	\$		
	 (An	nount to be shown in both words and numbers)	
if accepted by the Own	er in	re applicable to various sections of the specifications. Unit Prices will the event of changes to the scope of work involving increases or decipited in Section 01240 - Unit Prices.	
<u>Unit Price No.</u>	<u>1</u> :	VAV Terminal Unit Controller / Actuator (any size)	
Add / Deduct:	\$		(per SF)
	(An	nount to be shown in both words and numbers)	
Unit Price No. assembly.	<u>2</u> :	VAV Terminal Unit 3/4" HW reheat control valve and piping	hook-up
Add / Deduct:	\$		(per SF)
	(An	nount to be shown in both words and numbers)	
Unit Price No. assembly.	<u>3</u> :	VAV Terminal Unit 1" HW reheat control valve and piping	hook-up
Add / Deduct:	\$		_(per SF)
	(An	nount to be shown in both words and numbers)	
<u>Unit Price No.</u>	<u>4</u> :	Furnish and install BAS thermostat	
Add / Deduct:	<u>\$</u>		(per SF)
	(An	nount to be shown in both words and numbers)	
Unit Price No.	<u>5</u> :	Furnish and install BAS thermostat w/ CO₂ sensor	
Add / Deduct:	\$		(per SF)
	(An	nount to be shown in both words and numbers)	

<u>Unit Price No. 6</u> : Furnish and install RTU BACnet Communication Card		
Add / Deduct:	\$	(per SF)
	(Amount to be shown in both words and num	bers)
RESPECTFULLY SUE	BMITTED:	
SIGNATURE:	Signature in Ink	DATE:
NAME:	Please Type or Print	Corporate Seal if Applicable
TITLE: _		
BIDDERS NAME: BIDDERS ADDRESS:		
TELEPHONE:		
_		
EMAIL:CONTRACTOR"S LICENSE NO.:		

CONTRACTOR'S LICENSE

West Virginia Code §21-11-2 requires that all persons desiring to perform contractual work in West Virginia must be duly licensed. The West Virginia Contractor's Licensing Board is empowered to issue the contractor's license. Application for a contractor's license may be made by contacting the West Virginia Department of Labor, 1900 Kanawha Boulevard, East, Charleston, West Virginia 25305. Telephone: (304) 558-7890. West Virginia Code §21-11 requires any prospective Bidder to include the contractor's license number on their 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 \$500 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:	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		
9.		

END OF FORM OF PROPOSAL

END OF SECTION 00300



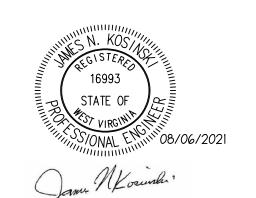
ENGINEER

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WEST VIRGINIA
NORTHERN COMMUNITY
COLLEGE - HVAC
CONTROLS & REPAIRS

WEIRTON CAMPUS 150 PARK AVENUE WEIRTON, WV 26062



ISSUED FOR

REVISIONS

. 2 ADDENDUM 8/27/21

NO. 3 ADDENDUM 8/27/21

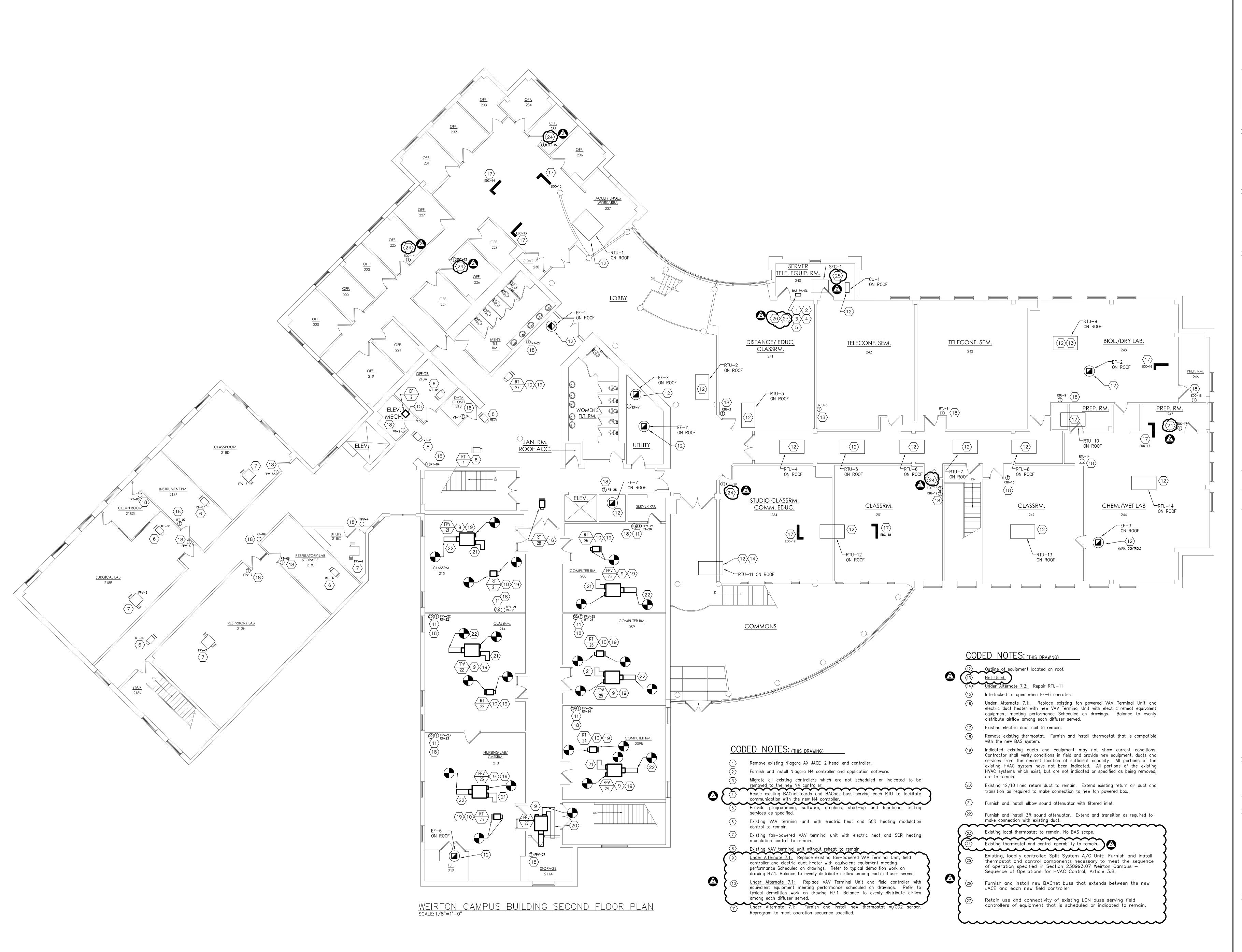
KEY PLAN

SCALE: I/8" = I'-0"
DRAWN BY: CW
CHECKED BY: TRV

DATE: 08/06/2021

WEIRTON
CAMPUS
FIRST FLOOR
HVAC PLAN

H7.1



TOWER ENGINEERING

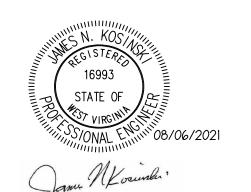
E N G I N E E R I N G

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WEST VIRGINIA
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WEIRTON CAMPUS 150 PARK AVENUE WEIRTON, WV 26062



ISSUED FOR BIDS

REVISIONS

2 ADDENDUM 8/27/21

O. 3 ADDENDUM 8/27/21

KEY PLAN

SCALE: I/8" = I'-0"
DRAWN BY: MC
CHECKED BY: TRV

DATE: 08/06/2021

WEIRTON
CAMPUS
SECOND FLOOR
HVAC PLAN

H7.2