



**March 25, 2025  
Addendum #1  
FOR IMMEDIATE ATTENTION**

ADDENDUM NO. 1 TO ALL BIDDERS:

Reference – Invitation for Bid:	IFB #017-0-2025/SNB Heritage High School Media Center HVAC Replacement
For Delivery To:	Newport News Public Schools
Bids Due:	April 4, 2025 at 2:00 PM EST

**The above is hereby changed to read:**

- 1. Change to Bid Form:** See the following. Allowance of \$75,000 for the replacement of leaking Victaulic connections throughout the building with welded-in spool pieces. Any unused portion of this allowance shall be credited to the owner. This allowance shall cover both labor and material cost reflected on bid form as Part B of the lump sum bid price.
- 2. Estimated Construction Budget:** NNPS' estimated construction budget for this project is \$1,000,000.
- 3. Change to Drawings:** See the following pages.

All other provisions of the IFB shall remain unchanged.

Sincerely,  
Shannon Bailey, VCCO, VCO  
Director of Procurement  
[shannon.bailey1@nn.k12.va.us](mailto:shannon.bailey1@nn.k12.va.us)  
757-591-4560 x10752

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Signature/Title

\_\_\_\_\_  
Date

**Attachment A**  
**IFB #017-0-2025/SNB Heritage High School Media Center**  
**HVAC System Replacement**

**BID FORM**

In compliance with solicitation dated February 11, 2025, the undersigned proposes to furnish all labor equipment and materials and perform all work in strict accordance with all requirements for:

The above scope of work to be performed at the dollar amount(s) stated herein.

The undersigned agrees and assures that:

- . All prices stated herein shall be firm for a period of \_\_\_\_\_ calendar days.  
(90 days minimum)
- . If bidder's response is accepted and a purchase order issued, bidder will accept same and fulfill requirements in strict compliance with all terms and conditions.
- . If in acceptance of bidder's response, bidder is required to furnish a payment bond and a performance bond; and/or a certificate of insurance, bidder will execute and furnish same within five (5) calendar days of such notice, and that failure to do so will mean forfeiture of any surety bidder may have been required to post as part of bidder's response.
- . Bidder's business is organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership and is authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the code of Virginia, as amended, or as otherwise required by law.
- . If a Contractor, Bidder is registered with the Commonwealth of Virginia as a  
Class \_\_\_\_\_; Registration No. \_\_\_\_\_;
- . Bidder meets all licensing and permit requirements to conduct business in the City of Newport News, Virginia

**Attachment A**

**IFB Project No. 017-0-2025/SNB**

Submitted By:

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

Street Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ FAX \_\_\_\_\_

Date: \_\_\_\_\_

Federal ID # \_\_\_\_\_ SCC Registration # \_\_\_\_\_

DUNS # \_\_\_\_\_

The BIDDER, in compliance with the Invitation For Bids (IFB 017-0-2025/SNB) and having carefully examined the Conditions of the Contract, Specifications, Drawings, and Addenda numbers (s) \_\_\_\_\_ (Bidder to insert Addenda number(s); if none, so state) and having carefully examined the site and all conditions affecting the Work, HEREBY PROPOSE to furnish all labor, materials and equipment, and to complete the project in accordance with the Contract Documents, within the time set forth therein, and for the Bid price stated herein. Said price shall cover all expenses incurred in performing the work required by the Contract Documents, of which this proposal is a part.

**BASE BID (including the following parts):**

**PART A:** Lump Sum Base Bid in accordance with plans and specifications

PART A= \_\_\_\_\_  
(Written)

DOLLARS (\$ \_\_\_\_\_ USD)

**PART B:** Allowance No. 1 of \$75,000 for the replacement of leaking Victaulic connections throughout the building with welded-in spool pieces. Any unused portion of this allowance shall be credited to the owner. This allowance shall cover both labor and material cost.

PART B = Seventy Five Thousand Dollars and 00/100  
(Written)

DOLLARS ( \$75,000 \_\_\_\_\_ USD)

**TOTAL BASE BID AMOUNT (Sum of PARTS A+B) IS:**

\_\_\_\_\_DOLLARS  
(written)

(\$ \_\_\_\_\_ USD)  
(Figure)

Discrepancies between multiplication of units of work and unit prices will be resolved in favor of unit prices, discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in the favor of the correct sum. Discrepancies between words and figures will be resolved in favor of words. **AWARD WILL BE BASED ON LUMP SUM BASE BID AMOUNT (SUM OF PARTS A + PART B).**

**Attachment A**

The undersigned agrees that if awarded a Contract, bidder will commence work within **10** calendar days after the date of notice to proceed letter, and that bidder will complete all work, as specified (to include codes inspection and Owner acceptance) shall be substantially completed on or before **August 15, 2025** and final completion shall be completed on or before **September 12, 2025**, acknowledging the Owner's right per Section IV L., of the Contract Documents, to assess Liquidated Damages of One Thousand Dollars **\$1,000 USD** per day.

(For individual trading  
in his individual name) \_\_\_\_\_  
(Print)

\_\_\_\_\_  
(Signature)

(For use by an individual  
trading under trade name) \_\_\_\_\_  
(Print)

\_\_\_\_\_  
(Signature)

Trading as \_\_\_\_\_  
(Print)

\_\_\_\_\_  
(Signature)

(For use by partnership) \_\_\_\_\_  
(Partnership Name Printed)

\_\_\_\_\_  
(Partner/Signature)

(For use by a corporation) \_\_\_\_\_  
(Corporate Name Printed)

By \_\_\_\_\_  
(Corporate Officer Signature)

\_\_\_\_\_  
(Name Printed)

\_\_\_\_\_  
Indicate Official Position

Attest: \_\_\_\_\_  
Corporate Secretary

\_\_\_\_\_  
(Name Printed)

**Attachment A**

CERTIFICATION REGARDING DEBARMENT

This is to certify that this person/firm/corporation is not now debarred by the Federal Government or by the Commonwealth of Virginia or by any other state, or by any town, city, or county, from submitting Bids on contracts for construction covered by this solicitation, nor are they an agent of any person or entity that is now so debarred.

\_\_\_\_\_  
Name of Official

\_\_\_\_\_  
Title

\_\_\_\_\_  
Firm or Corporation

\_\_\_\_\_  
Date



**THOMPSON**  
CONSULTING ENGINEERS

22 Enterprise Parkway  
Suite 120  
Hampton, VA 23666  
Tel: (757) 599-4415

4411 Cox Road  
Glen Allen, VA 23060  
Tel: (804) 309-3155

2809 S Lynnhaven Road  
Suite 150  
Virginia Beach, VA 23452  
Tel: (757) 599-4415

**Principals**

KEVIN D. ALLEN, P.E.  
CEO

KENZIE CAMBAR, P.E.  
President

MATTHEW N. HALTNER  
COO

JOEY ALLEN, P.E.  
CFO

KEITH G. DIGNAN, P.E.  
Vice President

**Associate Principals**

MICHAEL D. STOVER  
JASON A. MINER  
BEN CRISMORE, P.E.  
JORVAS RODGERS, P.E.  
JOEY DUNLEAVEY, P.E.

March 25, 2025

**ADDENDUM NO. 1**

**Media Center HVAC System Replacement  
Heritage HS  
IFB # 017-0-2025/SNB  
Newport News, Virginia  
MJT #23-066**

*Except as may be otherwise described, bidding requirements, materials, and workmanship for the work described herein shall conform to all requirements of the original Contract Documents dated February 11, 2025. The following Addendum to the specifications and drawings are made a part of the project and take precedence over the section of the specifications, in part, as originally written and over the drawings, in part, as originally drawn and/or written.*

*Each Bidder must acknowledge receipt of the Addendum in the space provided on the BID FORM of the Specifications. Failure to do so may subject the Bidder to disqualification.*

**CHANGES TO THE DRAWINGS:**

**Drawings T.01:** ADDED "Second Floor Plan – Area Media Center – Reflected Ceiling Plan" to the Drawing Index.

**Drawing CP1.1:** ADDED "Second Floor Plan – Area Media Center – Reflected Ceiling Plan" sheet. Refer to the attached drawings.

**Drawing M0.02:** GENERAL NOTES, REVISED Note 17, refer to attached drawings.

"PLEASE ADD AN ALLOWANCE OF \$75,000 FOR THE REPLACEMENT OF LEAKING VICTAULIC CONNECTIONS THROUGHOUT THE BUILDING WITH WELDED-IN SPOOL PIECES. ANY UNUSED PORTION OF THIS ALLOWANCE SHALL BE CREDITED TO THE OWNER. THIS ALLOWANCE SHALL COVER BOTH LABOR AND MATERIAL COST."

**ATTACHMENTS:**

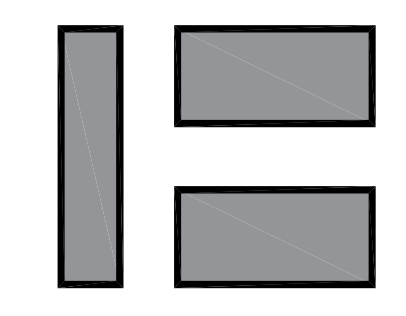
1. CP1.1
2. M0.1

**END OF ADDENDUM NO. 1**



**THOMPSON**  
Consulting Engineers

22 ENTERPRISE PARKWAY  
HAMPTON, VA 23066  
TELEPHONE: (757) 599-4415  
FAX: (757) 599-4113

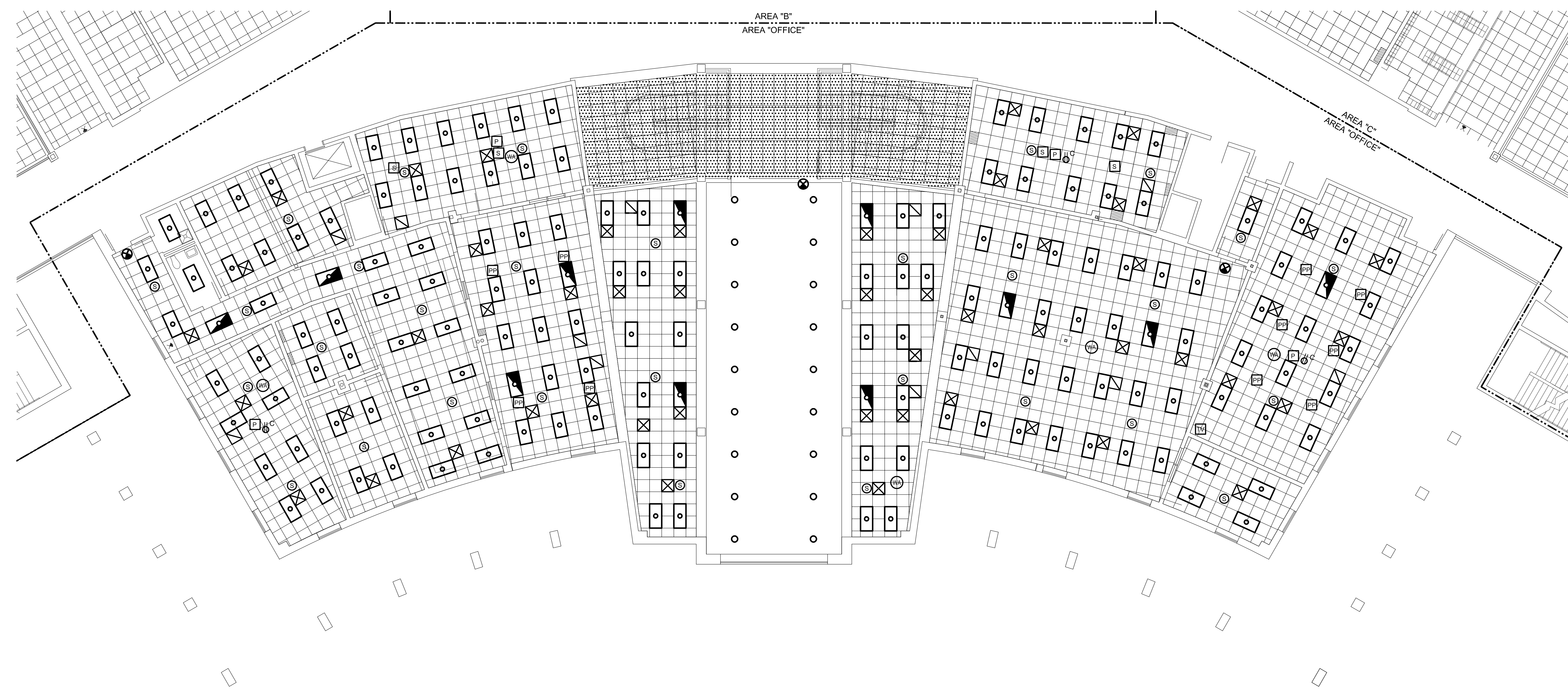


**MEDIA CENTER HVAC SYSTEM REPLACEMENT**  
HERITAGE HIGH SCHOOL

VIRGINIA

NEWPORT NEWS

SECOND FLOOR PLAN - AREA "MEDIA CENTER" - REFLECTED CEILING PLAN



**SECOND FLOOR PLAN - AREA "MEDIA CENTER" - REFLECTED CEILING PLAN**  
SCALE: 1/8"=1'-0"

**GENERAL DEMOLITION AND NEW WORK NOTES: (THIS DRAWING ONLY)**

1. THE CONTRACTOR SHALL FIELD VERIFY ALL REFLECTED CEILING GRID ELEVATIONS, ORIENTATIONS, AND POSITIONS. REFLECTED CEILING GRID MAY VARY FROM THAT SHOWN ON THIS DRAWING.
2. CEILING GRID PLACEMENT IS APPROXIMATE. FIELD VERIFY EXACT PLACEMENT. PROVIDE NEW GRID SYSTEM PATTERNED IN SAME MANNER TO AVOID ELECTRICAL MODIFICATIONS TO THE LIGHTING SYSTEM.
3. PROVIDE USG #560 FISSURED CEILING PANELS, WHITE SIZED FOR 24" x 24".

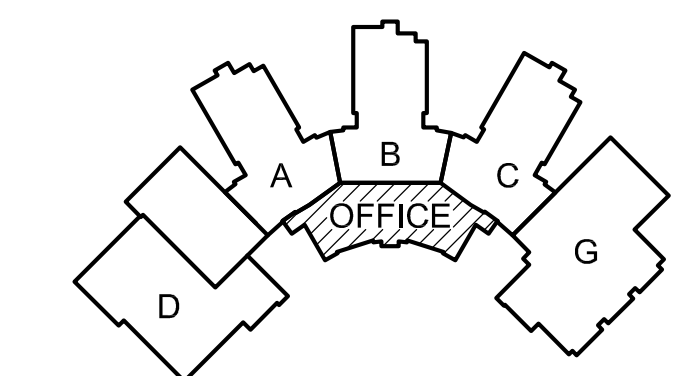
**LEGEND:**

- CEILING GRID AND 24" x 24" ACOUSTIC CEILING TILE TO REMAIN.
- EXTENT OF CEILING GRID AND ACOUSTIC CEILING TILE REMOVAL (DEMOLITION). EXTENT OF CEILING GRID AND ACOUSTIC TILE REINSTALLATION AT SAME HEIGHT AS EXISTING HEIGHT (NEW WORK).
- 2' x 4' LIGHT FIXTURE
- 1' x 4' LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- EXISTING EXIT LIGHT FIXTURE.
- SUPPLY AIR DIFFUSER
- RETURN AIR GRILLE
- EXISTING INTERCOM SYSTEM SPEAKER.
- EXISTING PROJECTOR
- EXISTING POWER POLE

**(THIS DRAWING ONLY)**

- EXISTING WIRELESS ACCESS DEVICE.
- EXISTING CEILING MOUNTED DUPLEX RECEPTACLE.
- EXISTING WALL/CEILING MOUNTED TELEVISION.

NOTE: EXISTING CONDITIONS ILLUSTRATED HAVE BEEN DETERMINED FROM ORIGINAL CONSTRUCTION DOCUMENTS AND LIMITED NON-INVASIVE FIELD INVESTIGATION. THE CONTRACTOR SHALL INVESTIGATE FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK, COORDINATE AND MAKE ADJUSTMENTS AS NECESSARY.



**KEY PLAN**  
NOT TO SCALE

COMM. NO: 23-066  
DESIGNED BY: JLR  
DRAWN BY: JAR  
CHECKED BY: KDA

**CP1.1**

DATE: 02/11/2025



**GENERAL DEMOLITION NOTES**

- WHERE EQUIPMENT IS INDICATED TO BE REMOVED, IT SHALL MEAN COMPLETE REMOVAL OF EQUIPMENT, INCLUDING CURBS, SUPPORTS, GUYS, ANCHORS, BRACKETS, CONTROLS AND INCIDENTAL ITEMS CONNECTED OR FASTENED TO EQUIPMENT. OWNER MAINTAINS THE OWNERSHIP OF ALL ITEMS TAGGED OR IDENTIFIED.
- WHERE PIPING IS INDICATED TO BE REMOVED, IT SHALL MEAN COMPLETE REMOVAL OF PIPING, INCLUDING VALVES, FITTINGS, INSULATION, SUPPORTS, HANGERS, BRACKETS, CONTROLS AND INCIDENTAL ITEMS CONNECTED OR FASTENED TO THE PIPING. PIPING IS DIAGRAMMATIC AND INDICATES THE GENERAL EXTENT OF WORK. NO ATTEMPT IS MADE TO SHOW EVERY ELL, TEE, OFFSET, FITTING AND VALVE. REMOVE PIPING AS INDICATED AND SPECIFIED.
- WHERE DUCTWORK IS INDICATED TO BE REMOVED, IT SHALL MEAN COMPLETE REMOVAL OF DUCTWORK, INCLUDING FITTINGS, INSULATION, SUPPORTS, BRACKETS, CONTROLS AND INCIDENTAL ITEMS CONNECTED OR FASTENED TO THE DUCTWORK. DUCTWORK IS DIAGRAMMATIC AND INDICATES THE GENERAL EXTENT OF WORK. NO ATTEMPT IS MADE TO SHOW EVERY ELL, TEE, OFFSET AND FITTING. REMOVE DUCTWORK AS INDICATED AND SPECIFIED.
- REFER TO REFLECTED CEILING PLANS FOR DEMOLITION AND NEW WORK RELATED TO CEILING.
- NNPS SHALL RELOCATE BOOKS, SHELVING, TABLES AND CHAIRS IN THIS STACKS A-211 AREA. THESE ITEMS SHALL REMAIN IN THE LIBRARY/MEDIA AREA BUT WILL BE SHIFTED TO THE EXTERIOR WALL AND IN MEDIA CIRCULATION AREA A-212. THESE ITEMS ARE REQUIRED TO BE PROTECTED DURING CONSTRUCTION FROM DIRT AND DEBRIS.

**GENERAL NOTES**

- CONTRACTOR SHALL VISIT JOB SITE TO DETERMINE EXTENT OF WORK INVOLVED PRIOR TO BIDDING THE PROJECT.
- THE MECHANICAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2021 VIRGINIA UNIFORM STATEWIDE BUILDING CODE.
- COORDINATE LOCATION OF ALL DUCTWORK, SUPPLY AND RETURN DEVICES, EXHAUST FANS, THERMOSTATS SO AS TO PRESENT A NEAT AND ATTRACTIVE INSTALLATION THROUGHOUT THE BUILDING.
- ALL PIPING, VALVES, DUCTWORK, ETC., SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- PIPING ARRANGEMENTS ARE DIAGRAMMATIC.
- ARRANGE DUCTWORK PARTICULARLY ABOVE CEILING AS REQUIRED TO CLEAR STRUCTURE, CONDUIT, LIGHTS, ETC., ALLOWING SPACE FOR HANGERS, INSULATION, ETC.
- SEAL AROUND AND MAKE AIRTIGHT ALL DUCTS AND PIPES PENETRATING INSULATED CEILING.
- DUCT DIMENSIONS MAY BE MODIFIED AS APPROVED BY ENGINEER.
- DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.
- MAINTAIN PROPER CLEARANCES PER ELECTRICAL CODE ON ALL VAV BOXES AND OTHER EQUIPMENT. COORDINATE WITH ALL TRADES TO ENSURE CLEARANCES ARE NOT OBSTRUCTED.
- INSTALL ALL VAV BOXES BETWEEN 6 INCHES MINIMUM AND 24 INCHES MAXIMUM ABOVE CEILING.
- CONTRACTOR SHALL INSTALL WALL MOUNTED NON-ADJUSTABLE SENSORS AND ADJUSTABLE DEVICES IN SAME LOCATIONS AS EXISTING SENSORS OR DEVICES. WHERE NEW NON-ADJUSTABLE SENSORS ARE REQUIRED INSTALL AT 5'-0" FROM FINISHED FLOOR TO TOP OF SENSOR.
- ALL ROUND BRANCH DUCTS TO DIFFUSERS SHALL MATCH NECK SIZES SHOWN ON SCHEDULE, UNLESS OTHERWISE NOTED.
- ALL DIFFUSERS, GRILLES AND REGISTERS SHALL BE SIZED TO HAVE A MINIMUM FREE AREA OF 70% AND MEET PERFORMANCE CRITERIA SCHEDULED.
- CONTRACTOR TO ENSURE THAT ROOF OPENINGS ARE SEALED WATERTIGHT TO PREVENT WATER INFILTRATION. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND REPLACEMENT OF WATER DAMAGED EQUIPMENT AND MATERIAL.
- CONTRACTOR SHALL CONTACT AND COORDINATE PROJECT REQUIREMENTS FOR CHEMICAL TREATMENT OF HYDRONIC SYSTEMS WITH THE OWNER'S CHEMICAL TREATMENT CONTRACTOR:  
  
CHEMTREAT INC  
(757) 373-3342
- PLEASE ADD AN ALLOWANCE OF \$75,000 FOR THE REPLACEMENT OF LEAKING VICTAULIC CONNECTIONS THROUGHOUT THE BUILDING WITH WELDED-IN SPOOL PIECES. ANY UNUSED PORTION OF THIS ALLOWANCE SHALL BE CREDITED TO THE OWNER. THIS ALLOWANCE SHALL COVER BOTH LABOR AND MATERIAL COSTS.
- CONTRACTOR TO REVIEW SPECIFICATIONS TO ENSURE ALL COMPONENTS AND REQUIREMENTS ARE CONSIDERED PRIOR TO BID SUBMITTAL.
- CONTRACTOR IS REQUIRED TO MAINTAIN SPACE TEMPERATURE OF 75°F DB TO PROTECT BOOKS FROM MOLD AND MILDEW GROWTH. CONTRACTOR SHALL BE ALLOWED TO UTILIZE AND ALTERNATE RTU-A2 & RTU-A3 TO MAINTAIN SPACE TEMPERATURE THROUGHOUT LIBRARY/MEDIA CENTER CONSTRUCTION.

**ABBREVIATIONS**

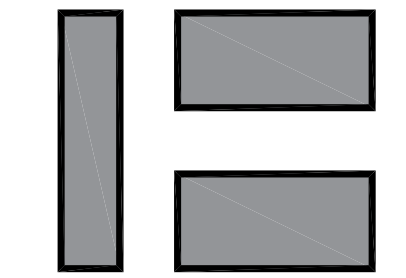
%	PERCENT	LWT	LEAVING WATER TEMPERATURE
∅	DIAMETER	MAX	MAXIMUM
ΔT	CHANGE OF TEMPERATURE	MBH	1000 BRITISH THERMAL UNITS PER HOUR
A-x	VARIABLE AIR VOLUME DESIGNATION	MCA	MINIMUM CIRCUIT AMPS
AAV	AUTOMATIC AIR VENT	MFS	MAXIMUM FUSE SIZE
APD	AIR PRESSURE DROP	MIN	MINIMUM
APPROX	APPROXIMATE	MOCP	MAXIMUM OVER CURRENT PROTECTION
AS	AIR SEPARATOR	NC	NOISE CRITERIA
CFM	CUBIC FEET PER MINUTE	NNPS	NEWPORT NEWS PUBLIC SCHOOLS
COP	CLEANOUT PLUG	NO	NUMBER
CUH-x	CABINET UNIT HEATER (EXISTING)	OA	OUTSIDE AIR
D	CONDENSATE DRAIN	OU-x	OUTDOOR UNIT (EXISTING)
DALT	DUCT AIR LEAKAGE TESTING	OU-x	OUTDOOR (SPLIT SYSTEM A/C) UNIT DESIGNATION
DB	DRY BULB	ΔP	PRESSURE DIFFERENTIAL
DDC	DIRECT DIGITAL CONTROL	PH	PHASE
DHC	DUCT HEATING COIL	PSIG	POUNDS PER SQUARE INCH GAUGE
DIA	DIAMETER	RA	RETURN AIR
DISCH	DISCHARGE	RAD	RADIATED
DN	DOWN	RAH	ROOFTOP AIR HANDLING UNIT
DX	DIRECT EXPANSION	RD	ROOF DRAIN
EA	EXHAUST AIR	RG	REFRIGERANT GAS
EAT	ENTERING AIR TEMPERATURE	RL	REFRIGERANT LIQUID
EF-x	EXHAUST FAN DESIGNATION (EXISTING)	RPM	REVOLUTIONS PER MINUTE
ESP	EXTERNAL STATIC PRESSURE	RTU-x	ROOFTOP UNIT DESIGNATION (EXISTING)
EWT	ENTERING WATER TEMPERATURE	RV	RELIEF VENT
°F	DEGREES FAHRENHEIT	SA	SUPPLY AIR
FA	FREE AREA	SCCR	SHORT CIRCUIT CURRENT RATING
FD	FLOOR DRAIN	SD	SMOKE DETECTOR
FPM	FEET PER MINUTE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
FT	FEET	SENS	SENSIBLE
GPM	GALLONS PER MINUTE	SF	SQUARE FEET
HD	HEAD	SH	SMOKE HOOD (EXISTING)
HP	HORSEPOWER	ST	SOUND TRAP
HWR	HOT WATER RETURN	T	THERMOSTAT OR TEMPERATURE SENSOR
HWS	HOT WATER SUPPLY	TYP	TYPICAL
IN	INCH/INCHES	UH-x	UNIT HEATER DESIGNATION (EXISTING)
IU-x	INDOOR UNIT DESIGNATION	V	VOLTS
IU	INDOOR UNIT	VAV	VARIABLE AIR VOLUME EXISTING
KA	KILO AMPS	WB	WET BULB
KW	KILOWATTS	WC	WATER COLUMN
LAT	LEAVING AIR TEMPERATURE	WG	WATER GAUGE
LBS	POUNDS	WH	WATER HEATER
		WPD	WATER PRESSURE DROP

**LEGEND**

BD	BACKDRAFT DAMPER	EXISTING TO REMAIN	
CD	CONTROL DAMPER	NEW WORK	
FD	FIRE DAMPER	EXISTING TO BE REMOVED	
VD	VOLUME DAMPER	EXISTING GATE VALVE	
SD	SMOKE DETECTOR LOCATION	DIFFERENTIAL PRESSURE SENSOR	
XXX	BALANCE EXISTING AIR TERMINAL TO CFM INDICATED	BUTTERFLY VALVE	
⊙ CFM	DIFFUSER, REGISTER, AND GRILLE, CFM AS INDICATED	BALL VALVE	
⊙	CARBON DIOXIDE SENSOR	EXISTING DOMESTIC WATER PIPING (CW)	
⊕	HUMIDISTAT OR HUMIDITY SENSOR	PIPE CAP	
⊖	FAN SWITCH	STRAINER, Y-TYPE, WITH BLOWDOWN VALVE	
⊙ XX	THERMOSTAT OR TEMPERATURE SENSOR, CONTROLLING UNIT AS INDICATED	THREADED UNION	
▭	MEDIUM PRESSURE DUCTWORK (AREA A 1ST AND 2ND FLOOR)	DIRECTION OF FLOW IN PIPE	
▭	90° DUCT ELBOW - TURNED DOWN	PIPE UP	
▭	DUCT ELBOW WITH TURNING VANES	PIPE DOWN	
▭	DUCT SECTION - RETURN/EXHAUST	PIPE UP OR PIPE DOWN	
▭	DUCT SECTION - SUPPLY	PIPE TEE DOWN	
▭	90° DUCT ELBOW - TURNED UP	DRAIN PIPING	
▭	SIDEWALL GRILLE OR REGISTER	EXISTING PIPING TO REMAIN	
▭	DUCT TRANSITION	HWR	HOT WATER RETURN PIPING
▭	OVAL TO ROUND DUCT TRANSITION	HWS	HOT WATER SUPPLY PIPING
▭	SQUARE TO ROUND DUCT TRANSITION	HWR	HOT WATER RETURN PIPING
▭	ROOF MOUNTED EXHAUST FAN (EXISTING)	HWS	HOT WATER SUPPLY PIPING
▭	ROOF MOUNTED EXHAUST OR RELIEF HOOD	NEW PIPING	
▭	SUPPLY AIR DEVICE	PIPING TO BE REMOVED	
▭	RETURN AIR DEVICE	RG	REFRIGERANT GAS PIPING
▭	NEW DUCT	RL	REFRIGERANT LIQUID PIPING
▭	90° DUCT ELBOW - TURNED DOWN - RETURN	•••••	VICTAULIC PIPING MAIN HEADER
▭	TRANSITION	—	DIRECTION OF PITCH FOR PIPING OR DUCTWORK
▭	DUCT HEATING COIL	PT	AUTOMATIC FLOW CONTROL VALVE
▭	FLEXIBLE DUCT	PT	THREE-WAY CONTROL VALVE
▭	FLAT OVAL DUCT	CWR	CHILLED WATER RETURN PIPING
▭	ROUND DUCT	CWS	CHILLED WATER SUPPLY PIPING
▭	DIRECTION OF AIRFLOW		
▭	AUV		
▭	PG		
▭	PT		
▭	POINT OF CONNECTION FOR NEW WORK		
▭	REMOVE EXISTING TO THIS POINT		
▭	(9"/9")		
▭	1		
▭	1		
▭	DETAIL: LETTER "A" SEE SHEET MXXX		



**THOMPSON**  
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HAMPTON, VA 23666  
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FAX: (757) 599-4113



**MEDIA CENTER HVAC SYSTEM REPLACEMENT**  
HERITAGE HIGH SCHOOL

VIRGINIA

NEWPORT NEWS

LEGEND, ABBREVIATIONS AND GENERAL NOTES

COMM. NO: 23-066  
DESIGNED BY: JLR  
DRAWN BY: SLS  
CHECKED BY: KDA

**M0.1**

DATE: 02/11/2025