



Addendum No. 1

Project: **Building D Science Lab Fume Hood Additions**
Project Number: **2026-009**
Date: **June 8, 2026**

The requirements stated in this Addendum supersede and supplement all requirements previously stated in the drawings and specifications, and become part of the contract documents for this project.

General:

Item #G1: Prebid Attendance Sheet: Attached is the Mandatory Prebid Attendance Sheet

Item #G2: Prebid Meeting Minutes: Attached are the Prebid Meeting Minutes.

Drawings:

Item #D1: Coversheet: Add M300 HVAC Controls to the Index of Drawings

Item #D2: M100 HVAC Demolition, Legend, and Notes:

1. Revise General Note #9.

Item #D3: M200 HVAC New Work:

1. Revise Sheet Notes #1 and #4
2. Delete DDC System General Notes
3. Electric Duct Heater Schedule – New: Add EDH-1
4. Delete Air Pressurization Diagram showing EF-1 Off
5. Delete DDC Notes – Sequence of Operation

Item #D4: Add Sheet M300 HVAC Controls in its entirety.

Item #D5: E100 Electrical General Notes and New Work Power Plan:

1. Add General Note For Electrical Contractor
2. Revise Sheet Notes #4 and #5 to show EDH-1 as new
3. Revise Sheet Notes #7 and #8 to allow panel cover refinishing

Specifications:

Item #S1: Division 00300 Bid Form: Add Bid Alternate No 1 to the bid form. Refer to attached section in its entirety.

END OF ADDENDUM NO. 1



Chipola Science Labs Fume Hood Additions

Pre Bid Conference May 28, 2026

<u>Name</u>	<u>Company</u>	<u>Phone</u>	<u>Email</u>
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Paul Taylor	LAWSON Electric	850 528-7407	paul@ll electrical.com
David Torres	Therma-Save	850 694-0005	David@therma-save.com
Mary Bohannon	METALASER	850- 879-6676	MARY@METALASER.US
DAVID WATFORD	WATFORD ENGIN.	850-516-4229	DAVID@WATFORDS-ENGINEERING.COM
Richard Bristow	Keith Lawson	850-899-3320	Richard@keithlawson.com
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Matt White	Chipola	850-209-1876	whitem@chipola.edu



Pre-Bid Meeting Minutes

Project: **Building D Science Lab Fume Hood Additions**
Project Number: **2026-009**
Date: **May 28, 2026**
10:00 AM
Attendees: **Refer to attached sign in sheet**

This meeting notes summarized below are a synopsis of the meeting held on the reference date and time compiled from the engineer's notes. Please review and confirm your understanding of the items discussed with the summary below, notify the engineer of any items in need of correction.

Notes:

1. The labs will both be vacant December 14 until the spring semester.
2. Fall Semester Summary:
 - a. August 10, Faculty Returns
 - b. August 17, Students Return
 - c. Labor Day Holiday
 - d. Thanksgiving Break (entire week)
3. Both Labs will be available for summer work after June 23rd until the beginning of the fall semester.
4. Code inspections will be by EPCI.
5. Bid Bond, Performance Bond, and Payment Bonds are required as indicated in the specifications.
6. The bid package will be modified to include a new controller for the existing AHU as an additive alternate.
7. A question was raised in regards to painting the existing electrical panel covers vs providing new covers. Engineer to clarify by addendum.
8. Attendees noted that access to the existing duct heater will make removal very costly and time consuming. The construction documents will be modified to abandon the existing heater in place and add a new one where the original was to be relocated.
9. The existing fire alarm system is an Edwards EST FireShield conventional, non-addressable, zone-type fire alarm system serviced by Jacksonville Sound.

END OF MINUTES

CHIPOLA COLLEGE COLLEGE CALENDAR 2026 – 2027

AUGUST	17	Return to 5 Day Work Week / Faculty Returns – Fall Term
2026	18 – 21	Fall A, B & C: New & Returning Student Registration 8am – 4 pm
	20	Fall A & B Payment Deadline
	21	Non-payment Purge - NO Registration
	24	Fall A & B: CLASSES BEGIN
	24 - 27	Fall A & B: Late Registration, Drop/Add Employee Fee Waiver Registration, 8 AM – 4PM
	28	Deadline to Submit Residency Documents for Tuition Purposes by 12 NOON
	28	Fall A & B: Drop/Add & Employee Fee Waiver Registration, 8 AM – 12 NOON
	31	Fall B: Last Day for Vertical Transfer
SEPTEMBER	07	Labor Day Holiday – COLLEGE CLOSED
	11	Deadline to Apply for Practical Nursing Spring 2027
	11	ACT Payment Deadline for October 17 Test Date
	14	Fall A: Last day for Vertical Transfer
	24	Senior Preview Day
	28-30	Fall C: New & Returning Student Registration, 8 AM - 4 PM
	29	Fall B: Last Day to Withdraw from a Class or Resign from All Classes
OCTOBER	01 – 08	Fall C: New & Returning Student Registration, 8 AM -4 PM
	02	Deadline for All Class Schedule Changes for Spring Term 2027
	02	Deadline to Designate Honor Classes for Spring Term 2027
	08	Fall B: Last Academic Class Day
	09	Fall B: Grades Due 10AM
	09	Fall C: Payment Deadline Non-Payment Purge - NO Registration
	12	Fall C: Classes Begin
	12 – 13	Fall C: Late Registration, Drop/Add & Employee Fee Waiver, 8 AM – 4 PM
	15	Guidance Counselor Appreciation Day
	17	ACT Exam
	22	Fall Festival – Classes Dismissed from 11:45 AM – 2:00 PM
	26	Fall C: Last Day for Vertical Transfer
	26	Spring A & B: Early Registration for all Currently Enrolled Students with 30+ Hrs, 8 AM – 4 PM
	27-30	Spring A & B: Early Registration for all Currently Enrolled Students, 8 AM -4 PM
	30	Deadline to Apply for Fall Graduation – All Degrees
NOVEMBER	02 - 10	Spring A & B: Early Registration for New & Currently Enrolled Students, 8 AM – 4 PM
	03	Fall A: Last Day to Withdraw or Resign from All Classes
	10	Veteran Faculty, Staff and Student Recognition
	11	Veterans Day Holiday – COLLEGE CLOSED
	12 –20	Spring A & B: Early Registration New & Currently Enrolled, 8 AM – 4 PM
	13	Deadline to have Financial Aid Files Complete for Spring 2027
	17	Fall C: Deadline to Withdraw or Resign from All Classes
	18-20	Spring A & B: Early Registration for New & Currently Enrolled Students, 8 AM – 4 PM
	19	Deadline to take FCLE for Fall Graduation
	20	Priority Deadline to Apply for ADN (RN) Program for Spring 2027
	23 – 24	FALL BREAK – COLLEGE CLOSED- ONLINE REGISTRATION OPEN
	25 – 27	THANKSGIVING HOLIDAYS – COLLEGE CLOSED- ONLINE REGISTRATION OPEN
	30	Spring A & B: Early Registration for New & Currently Enrolled Students, 8 AM – 4 PM

DECEMBER	01– 18	Spring A & B: Early Registration for New & Currently Enrolled Students, 8 AM – 4 PM
	04	College Application Deadline for Spring 2027
	08	Fall A: Last Academic Class
	09 - 10	Fall A: Final Exams
	14-15	Fall A: Final Exams
	15	Last Workforce Class Day
	15	Fall C: Last Academic Class Day
	16	Fall A & C: Grades Due 10 AM (Including "I" from SS I & II)
	18	Last Faculty Work Day Fall Term
	21 – 31	CHRISTMAS HOLIDAYS – COLLEGE CLOSED / Online Registration Open
JANUARY 2027	01	NEW YEAR'S HOLIDAY – COLLEGE CLOSED / Online Registration Open
	04	Faculty Returns – Spring Term
	04	Spring A & B New & Returning Students Registration, 8 AM – 4 PM
	05	Deadline to Submit Residency Documents for Tuition Purposes by 12 NOON
	05	Spring A & B New & Returning Students Registration, 8 AM – NOON
	05	Spring Payment Deadline Term A & B Non-Payment Purge
	06	Spring A & B: CLASSES BEGIN Workforce Classes Begin
	06 - 08	Spring A & B: Late Registration, Drop/Add & Employee Fee Waiver Registration, 8AM – 4PM
	11	Spring A & B: Drop/Add & Employee Fee Waiver Registration until 12 Noon
	13	Spring B: Last Day for Vertical Transfer
	18	Martin Luther King Holiday – COLLEGE CLOSED
	22	ACT Payment Deadline February 27th Test Date
	27	Spring A: Last Day for Vertical Transfer
FEBRUARY	05	Literature and Language Festival
	11	Spring B: Last Day to Withdraw or Resign from All Classes
	13	Homecoming
	15	Presidents' Day College Closed
	16	Spring A - Last day for Vertical Transfer
	17-25	Spring C: Registration, 8 AM -4 PM
	25	Deadline for All Class Schedule Changes for Summer Term
	26	Deadline to Apply for Spring Graduation AND Commencement– All Degrees
	27	ACT Exam
MARCH	01	Spring B: Last Academic Class Day
	02	Term C – No Registration – Payment Deadline – Non-Payment Purge
	02	Spring B: Grades Due 12 Noon
	03	Spring C: Classes Begin, Late Registration, Drop/Add & Employee Fee Waiver 8 AM – 4 PM
	04	Spring C: Late Registration, Drop/Add & Employee Fee waiver 8 AM – Noon
	10	Spring C: Last Day for Vertical Transfer
	18	Spring A: Last Day to Withdraw from a class or Resign from all Classes
	22-26	SPRING BREAK HOLIDAYS – COLLEGE CLOSED
APRIL	05	Summer I & II: Early Registration for all Currently Enrolled Students 30+ Hours, 8 AM – 4 PM
	06 – 09	Summer I & II: Early Registration for all Currently Enrolled Students, 8 AM – 4 PM
	08	Spring Frolics - Classes Dismissed from 11:45 AM – 2:00 pm
	12-16	Summer I & II: Early Registration – New & Currently Enrolled Students, 8 AM – 4 PM
	13	Deadline to have Financial Aid Files Complete for Summer I & II 2027
	14	Spring C: Deadline to Withdraw from a class or Resign from All Classes
	15	Deadline to take FCLE for Spring Graduation
	15	Spring Awards Night - Reception 6 PM - Ceremony 7 PM
	19	College Application Deadline for Summer I
	19-23	Summer I & II: Early Registration – New & Currently Enrolled Students, 8 AM – 4 PM
	22	Spring A: Last Academic Class Day
	26-29	Spring A: Final Exams

	26 -29	Summer I A & B Registration for New & Currently Enrolled Students, 8 AM – 4 PM
	28	Last Class Day for Workforce
	29	Spring C: Last Academic Class Day
MAY	03	Spring A & C: Grades Due 10AM (Including "I" Grades from Fall 2026)
	06	Commencement, 7 PM NO Registration
	07	Last Faculty Work Day Spring Term
	07	Payment Deadline – Summer I A & B
	10	College Begins 4 Day Work Week - Faculty Returns – Summer I
	10	Non-Payment Purge Summer I Term A & B
	10 -12	Summer I A & B Registration for New & Currently Enrolled Students, 8 AM – 5 PM
	11	Summer I A & B: CLASSES BEGIN - Workforce Classes Begin
	12	ADN Application Priority Deadline for Fall Term 2027
	13	Summer I A & B: Late Registration Drop/Add & Employee Fee Waiver Registration, 8 AM – 4 PM
	17	Deadline to Submit Residency Documents for Tuition Purposes by 12 NOON
	17	Summer I A & B: Late Registration Drop/Add & Employee Fee Waiver Registration, 8 AM – 12 NOON
	20	Summer I B: Last Day for Vertical Transfer
	20	2027-2028 Schedule of Classes Due
	25-26	Summer II C: Early Registration for New & Currently Enrolled Students 8AM -5PM
	27	Deadline to Apply for Summer I Graduation – All Degrees
	27	Summer I A: Last Day for Vertical Transfer
	31	Memorial Day Holiday – COLLEGE CLOSED
JUNE	01 – 23	Summer II C: Registration for New & Currently Enrolled Students
	08	Summer I B: Last Day to Withdraw from a Class or Resign from all Classes
	10	College Application Deadline for Summer II
	17	FCLE Registration Deadline for AA Summer Graduates
	22	Last Workforce Class Day
	22	Summer I B: Last Academic Class Day
	22	Last Faculty Day for Summer I
	23	Summer I B: Grades Due 10AM
	23	Summer II Term C Payment Deadline
	24	Faculty Returns - Summer II C
	24	Summer II C: Non-Payment Purge
	28	Summer II C: CLASSES BEGIN
	28	Summer II C: Late Registration, Drop/Add & Employee Fee Waiver Registration, 8 AM – 5 PM
	29	Deadline to Submit Residency Documents for Tuition Purposes by 12 NOON
	29	Summer II C: Late Registration, Drop/Add & Employee Fee Waiver Registration, 8 AM – NOON
JULY	05	Independence Day Holiday – COLLEGE CLOSED
	06	Fall A, B & C: Early Registration for all Currently Enrolled Students with 30+ Hrs, 8 AM – 5 PM
	06	Summer I A: Last Day to Withdraw from a Class OR Resign from All Classes
	07	Fall A, B & C: Early Registration for all Currently Enrolled Students, 8 AM – 5 PM
	07	Summer II C: Last Day for Vertical Transfer
	08	Fall A, B & C: Early Registration for all Currently Enrolled Students, 8 AM – 4 PM
	12-22	Fall A, B & C: Early Registration – New & Currently Enrolled Students
	22	Deadline to have Financial Aid Files Complete to Pay for Fall 2027
	26	Deadline to Apply for Summer II C Graduation
	26 -29	Fall A, B & C: Early Registration – New & Currently Enrolled Students, 8AM – 5PM
	27	Summer II C: Last day to Withdraw from a Class OR Resign from All Classes
	29	Fall A, B & C: Early Registration – New & Currently Enrolled Students, 8AM – 4PM
	29	FCLE Exam Summer II C
AUGUST	02-12	Fall A, B & C: Early Registration – New & Currently Enrolled Students 8AM – 5PM
	10	Summer I A & Summer II C: Last Academic Class Day
	11	Summer II C: Grades Due by 10AM (Including "I" Grades from Spring)
	11	Last Faculty Work Day for Summer II at Noon
	12	College Application Deadline for Fall 2027

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BUILDING D SCIENCE LAB FUME HOOD ADDITIONS

FOR
CHIPOLA COLLEGE
MARIANNA, FL

MAY 21, 2026
CONSTRUCTION DOCUMENTS



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CODES AND STANDARDS

FLORIDA BUILDING CODE EIGHTH EDITION, 2023 ACCESSIBILITY
FLORIDA BUILDING CODE EIGHTH EDITION, 2023 BUILDING
FLORIDA BUILDING CODE EIGHTH EDITION, 2023 ENERGY CONSERVATION
FLORIDA BUILDING CODE EIGHTH EDITION, 2023 MECHANICAL
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FLORIDA FIRE PREVENTION CODE EIGHTH EDITION, 2023
STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES, 2014
NFPA 90A-2015
ASHRAE 62.1-2019

INDEX OF DRAWINGS

ARCHITECTURAL:

D100 ARCHITECTURAL DEMOLITION
A100 ARCHITECTURAL FLOOR PLAN, REFLECTED CEILING PLAN
A200 ARCHITECTURAL DETAIL, SECTION, INTERIOR ELEVATION
A300 ARCHITECTURAL ROOF PLAN, DETAILS

MECHANICAL:

M100 HVAC DEMOLITION, LEGEND, AND NOTES
M200 HVAC NEW WORK
M300 HVAC CONTROLS

PLUMBING:

P100 PLUMBING DEMOLITION AND NEW WORK

ELECTRICAL:

E100 ELECTRICAL GENERAL NOTES AND NEW WORK POWER PLAN

STATEMENT OF COMPLIANCE

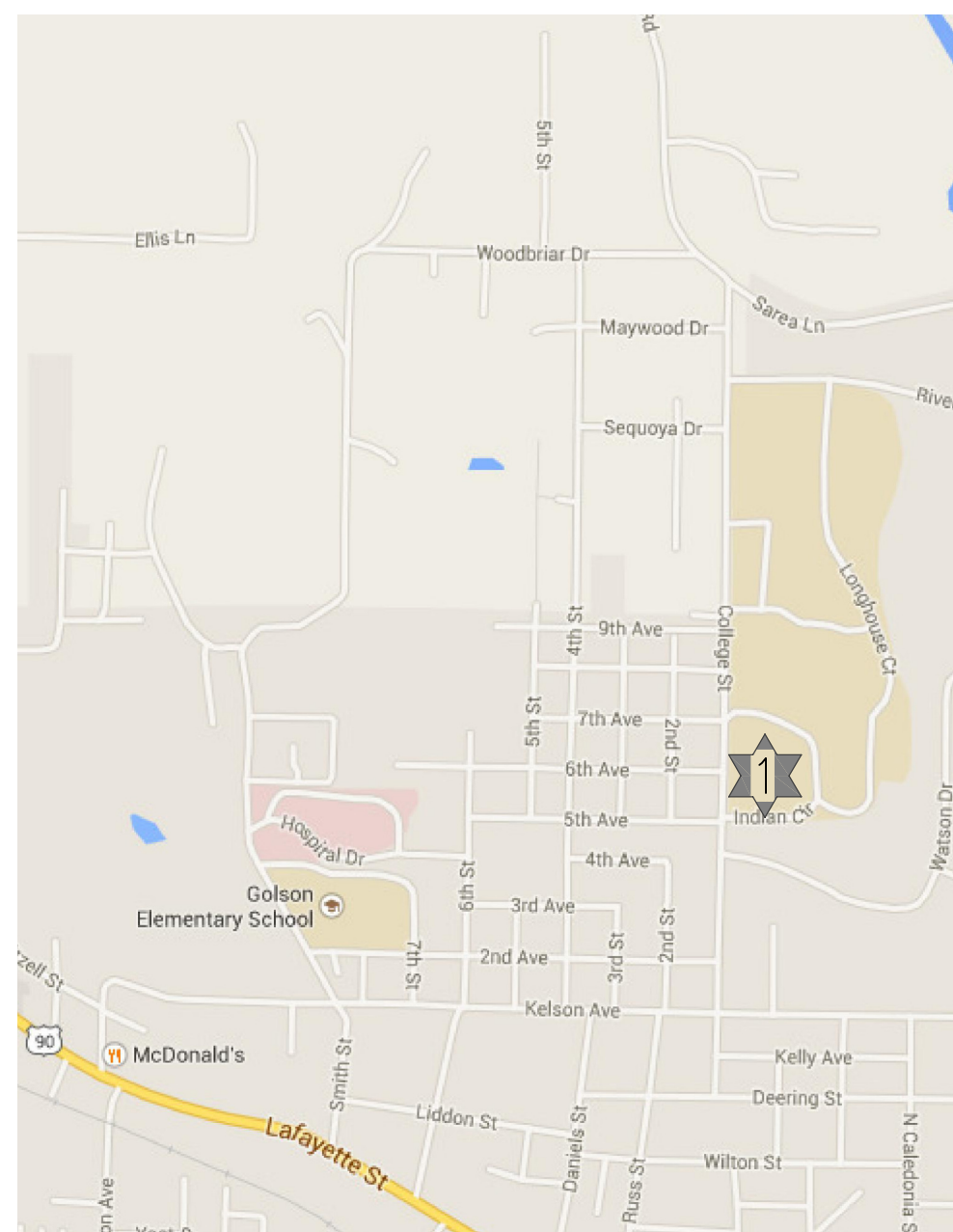
TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE FLORIDA BUILDING CODE

ENGINEER OF RECORD: STEVEN L. DAY, PE FL LICENSE 52607

4452 Clinton Street, Marianna, Florida 32446
850.526.3447 Project Number: 2026-009
Florida Certificate of Authorization: 27825
David N Watford, PE Florida License 58208

PROJECT LOCATION

CHIPOLA COLLEGE
3094 INDIAN CIRCLE
MARIANNA, FL 32446



CAMPUS MAP

DESIGN TEAM

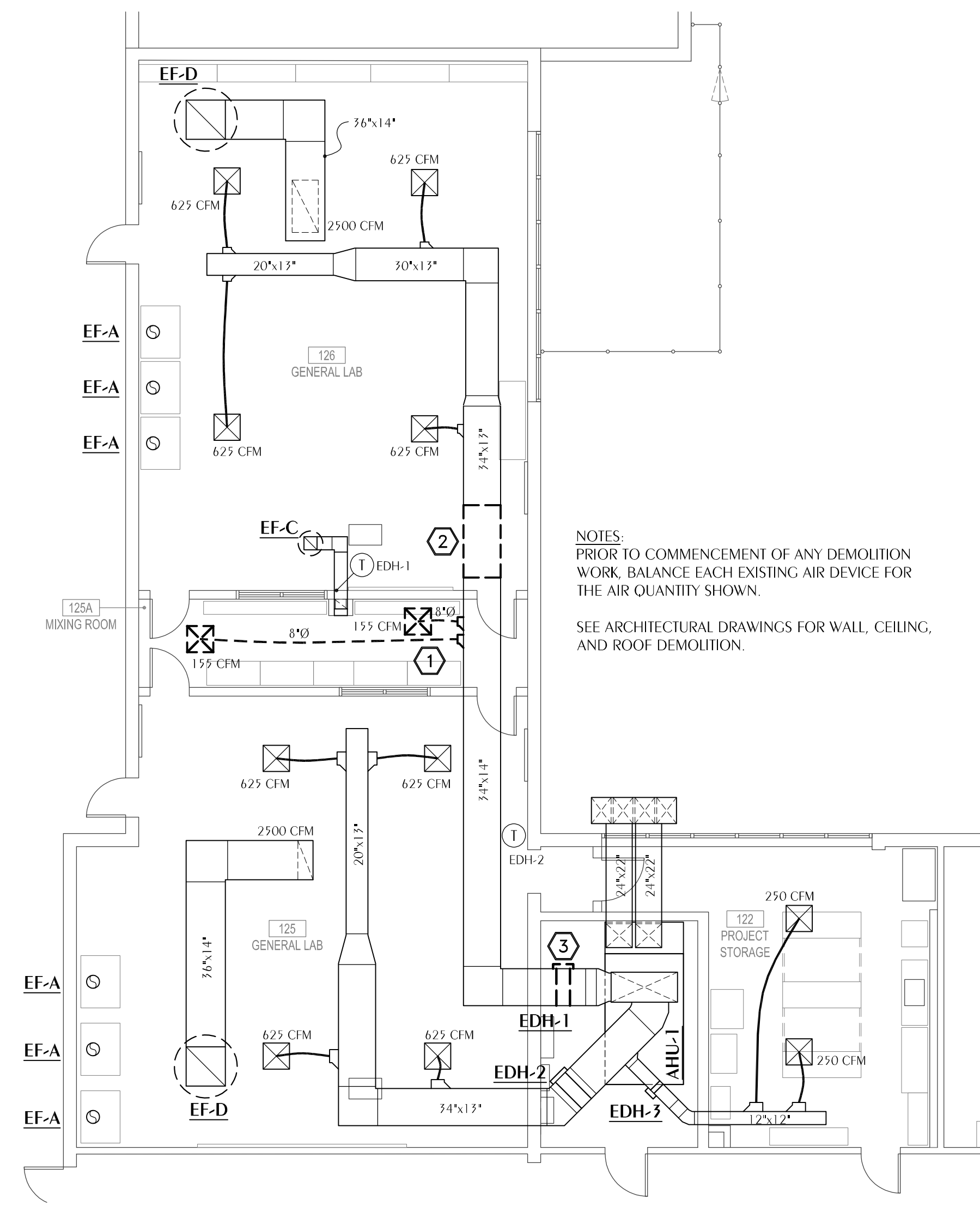
MECHANICAL/ELECTRICAL/PRIME: WATFORD ENGINEERING
ARCHITECTURAL: DONOFRO ARCHITECTS



No.	Description	Date
1	ADDENDUM 1	6/8/2026

PROJECT NUMBER: 2026-009
 DATE: 5/21/2026
 DRAWN BY: SLD
 DESIGNED BY: SLD

HVAC DEMOLITION,
 LEGEND, AND NOTES



NOTES:
 PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, BALANCE EACH EXISTING AIR DEVICE FOR THE AIR QUANTITY SHOWN.
 SEE ARCHITECTURAL DRAWINGS FOR WALL, CEILING, AND ROOF DEMOLITION.

SHEET NOTES

- REMOVE TWO CEILING DIFFUSERS AND SET ASIDE FOR REINSTALLATION IN NEW CEILING. REMOVE FLEXIBLE DUCT AND TWO TAKE-OFFS. REPAIR AND INSULATE SUPPLY AIR TRUNK TO MATCH ADJACENT EXISTING.
- REMOVE RECTANGULAR SUPPLY AIR DUCT AS REQUIRED FOR RELOCATION OF EXISTING ELECTRIC DUCT HEATER (EDH-1) AS SHOWN IN THE NEW WORK PLAN ON SHEET M200.
- CAREFULLY REMOVE 55 kW ELECTRIC DUCT HEATER (EDH-1) AND SET ASIDE FOR REINSTALLATION IN A NEW LOCATION AS SHOWN ON SHEET M200. REPAIR AND INSULATE SUPPLY AIR DUCT TO MATCH ADJACENT EXISTING.

GENERAL NOTES

- ALL DUCT DIMENSIONS ARE NET INSIDE.
- VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS, TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
- FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL NEW DUCTWORK FOR LEAKS.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, AND EQUIPMENT.
- PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
- ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL.
- PROVIDE ACCESS PANELS IN CEILINGS AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATION OF ALL EQUIPMENT AND UTILITIES INCLUDING ARRANGEMENT OF EXISTING CHILLED AND HOT WATER SITE PIPING.
- BALANCE ALL DEVICES ON EXISTING AHU, EXISTING EXHAUST FANS, AND NEW EXHAUST FANS. PROVIDE DRIVE SHEAVES AS NECESSARY TO ACHIEVE LOWER EXHAUST FLOW ON EXISTING FANS MARKED EF-A.

DUCTWORK NOTES

- ALL ROUND FLEXIBLE DUCT SHALL BE FLEXMASTER TYPE 8M ACOUSTICAL FLEX OR ENGINEER APPROVED EQUAL. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT SHALL BE 5'-0". WHERE LENGTH REQUIRED EXCEEDS 5'-0". INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK.
- SEAL ALL DUCT PENETRATIONS OF WALLS AIRTIGHT, REGARDLESS OF WHETHER WALLS ARE FIRE RATED OR NOT.
- ALL NEW SUPPLY AIR DUCTWORK (EXCEPT FLEXIBLE TAKEOFFS TO SUPPLY AIR DIFFUSERS) SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- WHEN ROUTING DUCTWORK OVER LIGHTS, PROVIDE A MINIMUM 6" CLEARANCE BETWEEN DUCT AND LIGHTS.

HVAC LEGEND

- EX 10"x8" EXISTING DUCTWORK OR EQUIPMENT TO BE REMOVED
- EX 10"x8" EXISTING DUCTWORK OR EQUIPMENT TO REMAIN.
- 10"x8" NEW RECTANGULAR DUCT WORK. SIZES SHOWN ARE INSIDE CLEAR. SEE 'DUCTWORK & INSULATION NOTES' ON THIS SHEET.
- 10'0" LONG RADIUS ELBOW IN ROUND LABORATORY FUME HOOD EXHAUST DUCT. TURNING RADIUS SHALL BE MINIMUM 1-1/2 TIMES THE DUCT DIAMETER.
- 8'0" FACTORY FABRICATED AND INSULATED FLEXIBLE ROUND DUCT. SIZE SHOWN IS INSIDE CLEAR DIMENSION.
- RECTANGULAR BRANCH DUCT TAKEOFF FROM RECTANGULAR MAIN DUCT. TAKEOFF SHALL BE MADE WITH A 45 DEGREE COLLAR.
- MVD MANUAL VOLUME DAMPER (MVD) OR AUTOMATIC CONTROL DAMPER (ACD) IN RECTANGULAR DUCT. PROVIDE OPPOSED BLADE TYPE WITH LOCKING QUADRANT REGULATOR. ACD SHALL BE LOW VOLTAGE AND WIRED BY THE MECHANICAL CONTRACTOR.
- RECTANGULAR TO ROUND DUCT TRANSITION.
- RECTANGULAR SUPPLY OR OUTSIDE AIR DUCTWORK IN SECTION.
- RECTANGULAR RETURN OR EXHAUST AIR DUCTWORK IN SECTION.
- EXISTING CEILING DIFFUSER. BALANCE FOR AIR FLOW INDICATED.
- 300 CFM TRANSFER GRILLE. EGG CRATE FACE WITH 1/2"x1/2"x1/2" ALUMINUM CORE. RECTANGULAR NECK SIZE AS INDICATED. ITTUS MODEL 50F OR APPROVED EQUIVALENT.
- 16"x16" TC
- SUPPLY AND OUTSIDE AIR FLOW.
- TRANSFER AND EXHAUST AIR FLOW.
- EDH-# ELECTRIC DUCT HEATER. SEE 'ELECTRIC DUCT HEATER SCHEDULE - EXISTING' ON THIS SHEET AND 'ELECTRIC DUCT HEATER - NEW' ON SHEET M200.
- EF-# EXHAUST FAN. SEE 'FAN SCHEDULE - EXISTING' ON THIS SHEET AND 'FAN SCHEDULE - NEW' 'LABORATORY FUME HOOD EXHAUST FAN DETAIL' ON SHEET M200.
- AHU-# AIR HANDLING UNIT. SEE 'CUSTOM AIR HANDLING UNIT SCHEDULE - EXISTING' ON THIS SHEET.
- EX. EXISTING

FAN SCHEDULE - EXISTING

UNIT	TYPE	CFM	MAX. FAN RPM	ESP (IN. H2O)	MAX. MOTOR POWER	CONTROL	ELECTRICAL VOLTS/PHASE
EF-A	BELT-DRIVEN CENTRIFUGAL	833	1400	0.91	1/2	AHU AND WALL SWITCH	120/1
EF-B	BELT-DRIVEN CENTRIFUGAL	600	1000	0.38	1/6	WALL SWITCH	120/1
EF-C	DIRECT-DRIVE CENTRIFUGAL	300	1050	0.38	1/8	WALL SWITCH	120/1
EF-D	BELT-DRIVEN CENTRIFUGAL	2500	600	0.36	1/3	AHU AND WALL SWITCH	120/1

EXISTING DATA PROVIDED FOR REFERENCE ONLY.

ELECTRIC DUCT HEATER SCHEDULE - EXISTING

UNIT EDH	CFM	NUMBER OF CONTROL STEPS	ELECTRICAL			AREA SERVED
			VOLTS/PHASE	HERTZ	KW	
1	2815	4	208/3	60	55	RM. 126 GENERAL LAB
2	3000	4	208/3	60	55	RM. 125 GENERAL LAB
3	500	SCR	208/3	60	10	RM. 122 PROJECT STORAGE

EXISTING DATA PROVIDED FOR REFERENCE ONLY.

CUSTOM AIR HANDLING UNIT SCHEDULE - EXISTING

UNIT DESIGNATION	TYPE	MANUFACTURER	MODEL NUMBER	FAN DATA				CHILLED WATER COIL DATA												NOTES			
				MAX. AIR FLOW (CFM)	MIN. AIR FLOW (CFM)	MIN. OA DAMPER (CFM)	TOTAL SP (IN. H2O)	EXTERNAL SP (IN. H2O)	MAXIMUM FAN MOTOR HORSEPOWER	MAX. FACE VELOCITY (FPM)	COIL TOTAL CAPACITY (MBH)	COIL SENSIBLE CAPACITY (MBH)	MAX. AIR SIDE PRESSURE DROP (IN)	AIR SIDE				WATER SIDE					
				(°F) DB	(°F) WB	(°F) DB	(°F) WB	FLOW (GPM)	EWI (°F)	LWT (°F)	MAX. WPD (FT H2O)	CONTROL VALVE (BY DOC CONTRACTOR)	CONTROL VALVE PRESSURE DROP										
AHU-1	PF-CV	TRANE	CSAA014UA	5810	5810	5810	4.041	0.600	4.0 (x2)	576.9	233.8	1.151	88.0	80.0	52.1	52.0	84	42.0	55.7	10.5	TWO WAY PRESSURE INDEPENDENT	11.5 FT	1,2,3

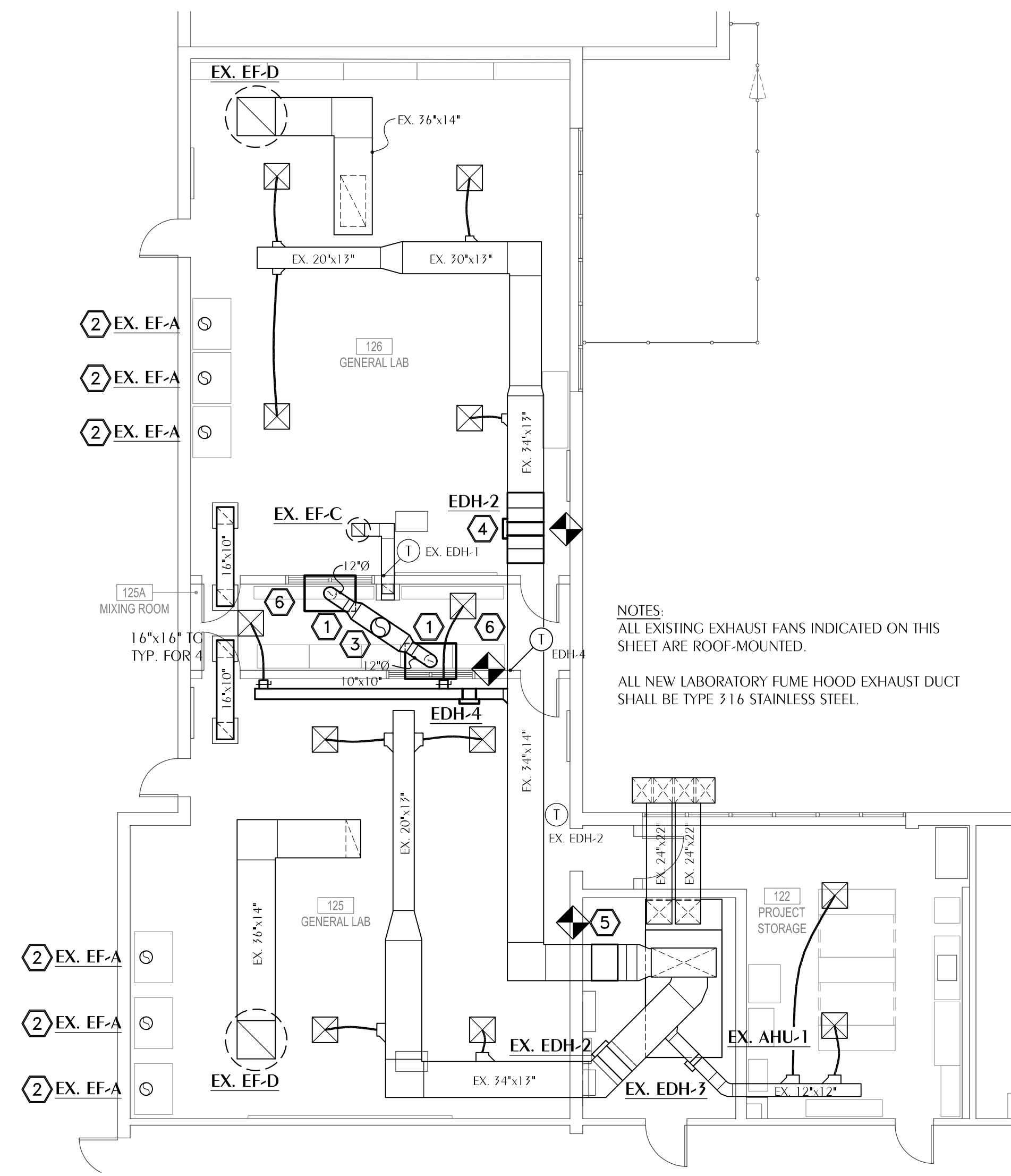
SCHEDULE LEGEND:
 HDT - HORIZONTAL DRAW THRU
 SDU - STACKED DEHUMIDIFICATION UNIT
 FC - FORWARD CURVED
 PF - PLENUM FAN
 BC - BACKWARD CURVED

SZVAV - VARIABLE AIR VOLUME, SINGLE ZONE
 VAV - VARIABLE AIR VOLUME, MULTIPLE ZONES
 CV - CONSTANT VOLUME

- SCHEDULE NOTES:
- ESP DOES NOT INCLUDE PRESSURE DROP THROUGH AHU CASING OR COILS.
 - TOTAL SP INCLUDES PRESSURE DROP THROUGH CASING AND COILS.
 - 208V/3 PHASE

EXISTING DATA PROVIDED FOR REFERENCE ONLY.



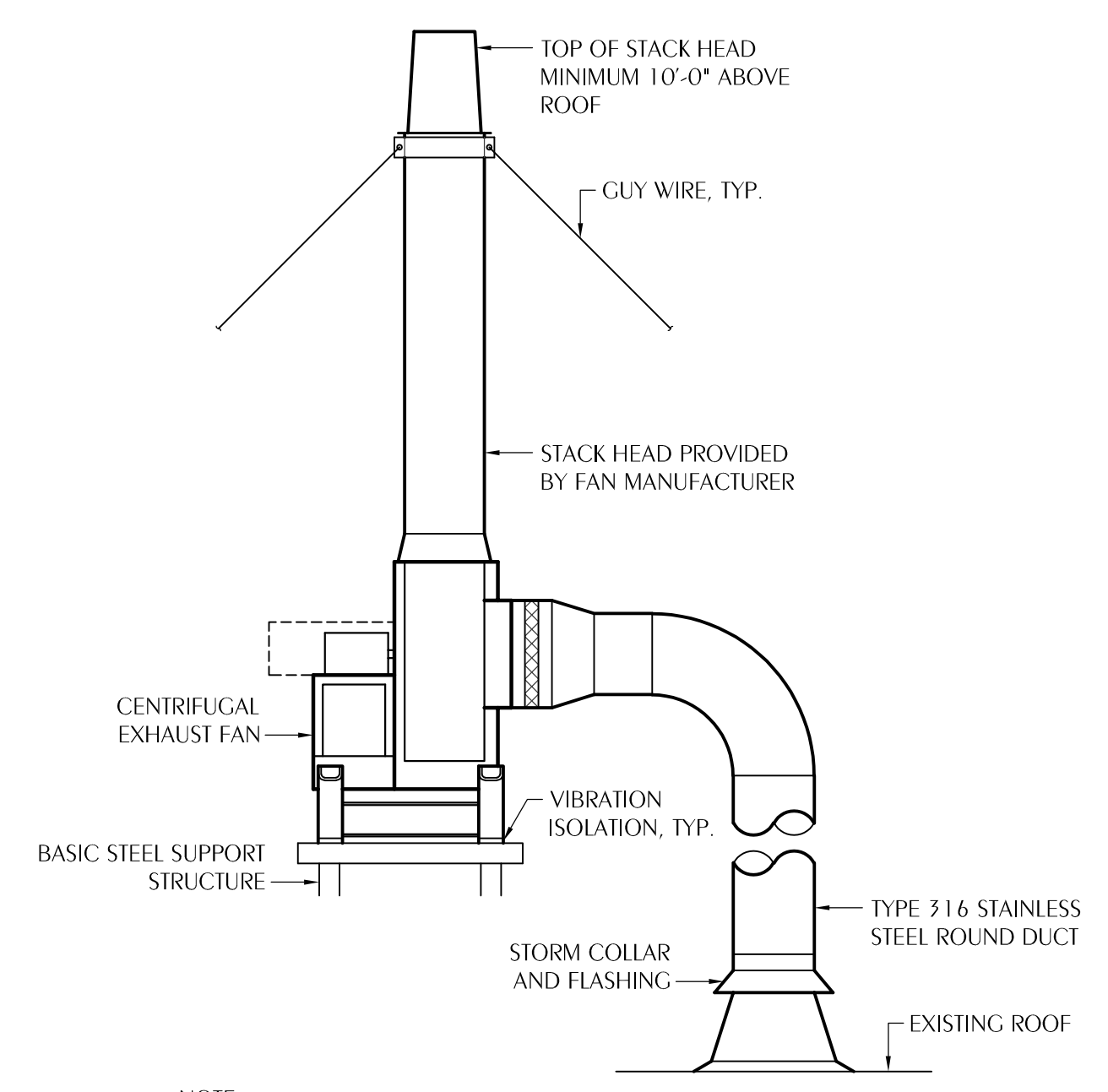


2 HVAC NEW WORK FLOOR PLAN
 M200 SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 PROVIDE NEW 4' WIDE PASS-THROUGH LABORATORY FUME HOOD PER PROJECT SPECIFICATIONS. DEMOLISH WALL AND INTERIOR WINDOW AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND INSTALL NEW PASS-THROUGH LABORATORY FUME HOOD IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. CONNECT 12"Ø EXHAUST DUCT.
- 2 REBALANCE EACH OF 6 EXHAUST FANS (EF-A) FOR 575 CFM. PROVIDE NEW LABELING TO INDICATE MAXIMUM SASH OPENING HEIGHT TO MAINTAIN A MINIMUM OF 120 FPM FACE VELOCITY.
- 3 ROUTE 1.8" LABORATORY FUME HOOD EXHAUST DUCT THROUGH ROOF AND CONNECT TO EF-1. SEE LABORATORY FUME HOOD EXHAUST FAN DETAIL ON THIS SHEET.
- 4 PROVIDE NEW 55 KW ELECTRIC DUCT HEATER (EDH-1). FIELD VERIFY EXISTING SUPPLY AIR DUCT PRIOR TO RELEASING NEW HEATER SUBMITTAL. PROVIDE CONTROL WIRING NECESSARY FOR HEATER ZONE TEMPERATURE CONTROL OF ROOM 126 - GENERAL LABORATORY.
- 5 REPAIR AND INSULATE SUPPLY AIR DUCT TO MATCH ADJACENT EXISTING AFTER REMOVAL OF ELECTRIC DUCT HEATER.
- 6 REINSTALL EXISTING CEILING DIFFUSER AND BALANCE FOR 155 CFM.

NOTES:
 ALL EXISTING EXHAUST FANS INDICATED ON THIS SHEET ARE ROOF-MOUNTED.
 ALL NEW LABORATORY FUME HOOD EXHAUST DUCT SHALL BE TYPE 316 STAINLESS STEEL.



NOTE:
 BASIC STRUCTURAL STEEL SUPPORT AND ROOF FLASHING BY GENERAL CONTRACTOR. SUPPLEMENTAL STEEL SUPPORTS, VIBRATION ISOLATION PADS, AND ANCHORING TO STRUCTURAL SUPPORT BY MECHANICAL CONTRACTOR. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

2 LABORATORY FUME HOOD EXHAUST FAN DETAIL
 M100 SCALE: NONE

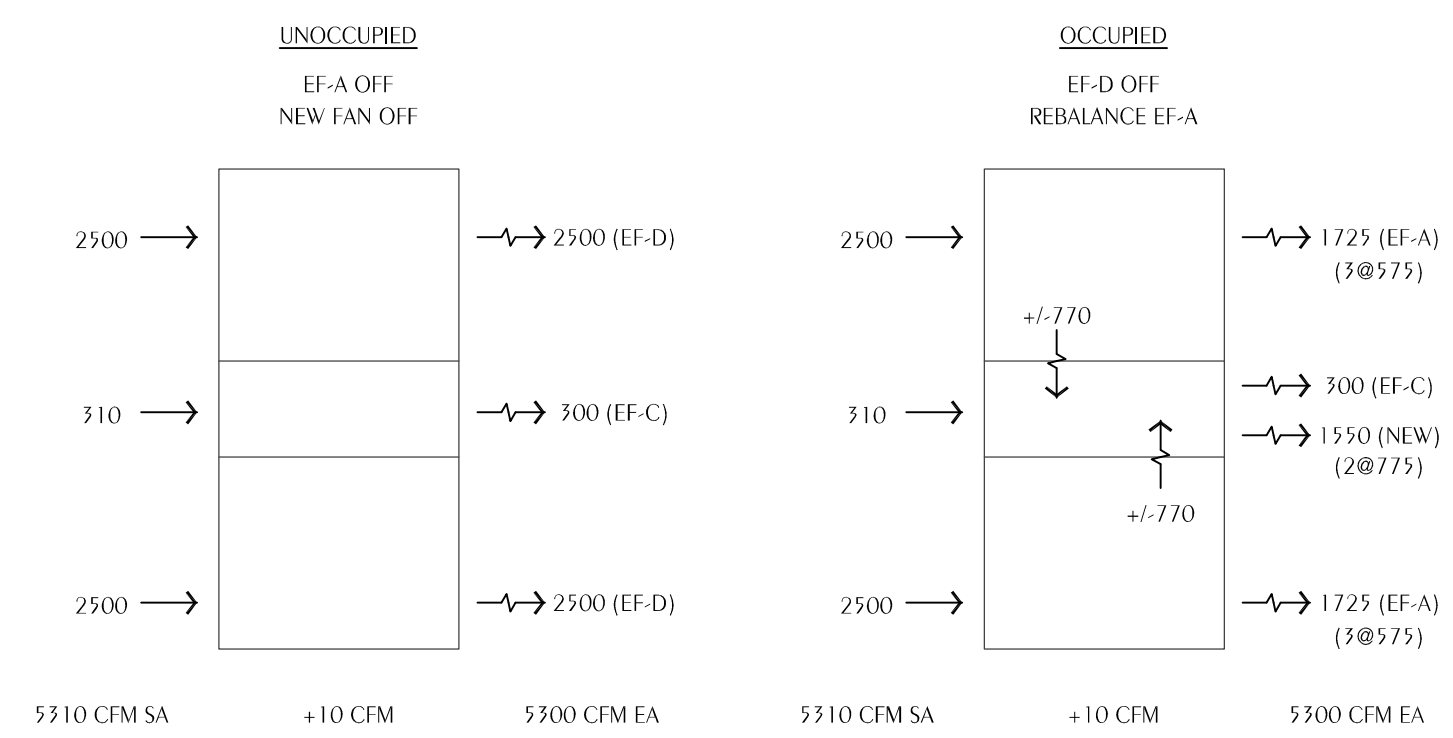
PROPRIETARY RIGHT CLAUSE: INFORMATION AND DATA CONTAINED ON THIS DRAWING IS THE PROPERTY OF WATFORD ENGINEERING, INC. ANY REPRODUCTION OR TRANSMISSION OF THIS DRAWING IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF WATFORD ENGINEERING, INC. IS STRICTLY PROHIBITED.

FAN SCHEDULE - NEW											
UNIT	TYPE	CFM	MAX. FAN RPM	ESP (IN. H2O)	MAX. MOTOR POWER	SONES/dB (MAX.)	BASIS OF DESIGN	MODEL	CONTROL	ELECTRICAL VOLTS/PHASE	NOTES
EF-1	LEF	1550	1380	0.6	3 HP	64 dBA	GREENHECK	VK-CH-15-100-9	OPERATED DURING OCCUPIED MODE	208/3	1, 2, 3, 4, 5

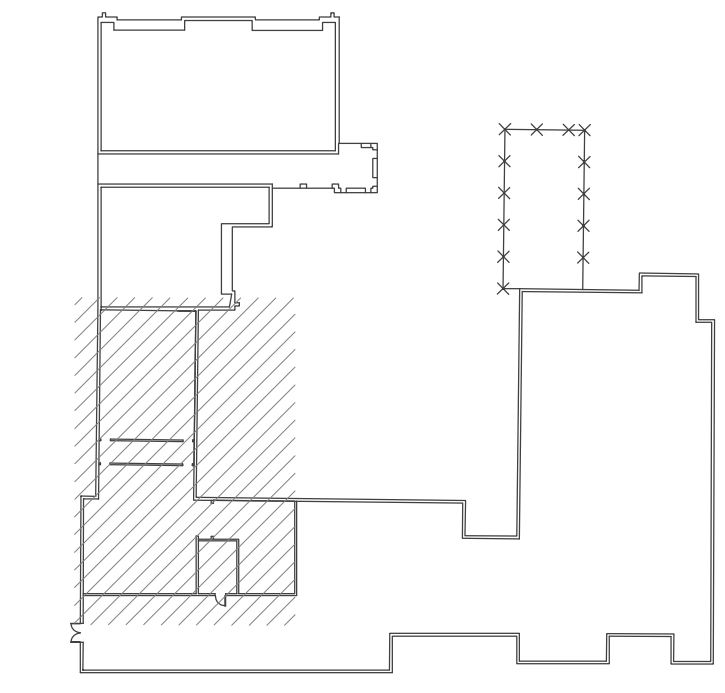
1. LEF - LABORATORY EXHAUST FAN. PROVIDE SOLID STATE SPEED CONTROLLER.
2. PROVIDE BACK DRAFT DAMPER.
3. PROVIDE THERMAL OVERLOAD.
4. PROVIDE DIRECT DRIVE FAN.
5. PROVIDE VIBRATION ISOLATION HANGERS.

ELECTRIC DUCT HEATER SCHEDULE - NEW						
UNIT	CFM	NUMBER OF CONTROL STEPS	ELECTRICAL VOLTS/PHASE	HERTZ	KW	AREA SERVED
EDH-1	310	SCR	208/3	60	4.5	RM. 125A MIXING ROOM
EDH-2	2500	4 STAGES	208/3	60	55	RM. 126 GENERAL LAB

NOTE:
 ELECTRIC HEATER OUTPUT AS RATED AT VOLTAGE INDICATED.



AIR PRESSURIZATION DIAGRAMS



KEY PLAN - BLDG. D
 NO SCALE

**Chipola College
 BUILDING D SCIENCE LAB
 FUME HOOD ADDITIONS**

**3094 Indian Circle
 Marianna, FL 32446**

No.	Description	Date
1	ADDENDUM 1	6/8/2026

PROJECT NUMBER: 2026-009
 DATE: 5/21/2026
 DRAWN BY: SLD
 DESIGNED BY: SLD

HVAC NEW WORK

SEQUENCE OF OPERATION LAB AHU

BUILDING AUTOMATION SYSTEM INTERFACE:

THE BUILDING AUTOMATION SYSTEM (BAS) WILL SEND THE CONTROLLER OCCUPIED BYPASS, MORNING WARM-UP/PRE-COOL, OCCUPIED/UNOCCUPIED AND HEAT/COOL MODES. IF A BAS IS NOT PRESENT, OR COMMUNICATION IS LOST WITH THE BAS THE CONTROLLER WILL OPERATE USING DEFAULT MODES AND SETPOINTS.

OCCUPIED:

DURING OCCUPIED PERIODS, THE SUPPLY FAN WILL RUN CONTINUOUSLY. THE DDC WILL MODULATE THE CHILLED WATER VALVE AND THE ELECTRIC HEAT WILL STAGE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. IF THE SPACE TEMPERATURE SENSOR FAILS THE CHILLED WATER VALVE WILL CLOSE, THE FAN WILL SHUTDOWN, ALL INTERLOCKED EXHAUST FANS WILL SHUT DOWN, AND THE ELECTRIC HEAT WILL BE DISABLED AND AN ALARM WILL BE ANNUNCIATED AT THE BAS.

UNOCCUPIED:

WHEN THE SPACE TEMPERATURE IS BELOW THE UNOCCUPIED HEATING SETPOINT OF 60.0 DEG. F (ADJ.) THE ELECTRIC HEAT WILL BE ENABLED. WHEN THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED HEATING SETPOINT OF 60.0 DEG. F (ADJ.) PLUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.) THE ELECTRIC HEAT WILL BE DISABLED. WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SETPOINT OF 85.0 DEG. F (ADJ.) THE DDC SHALL MODULATE THE CHILLED WATER COIL TO MAINTAIN SETPOINT. WHEN THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED COOLING SETPOINT OF 85.0 DEG. F (ADJ.) MINUS THE UNOCCUPIED DIFFERENTIAL OF 4.0 DEG. F (ADJ.), THE CHILLED WATER VALVE WILL BE CLOSED.

OPTIMAL START:

THE BAS WILL MONITOR THE SCHEDULED OCCUPIED TIME, OCCUPIED SPACE SETPOINTS AND SPACE TEMPERATURE TO CALCULATE WHEN THE OPTIMAL START OCCURS.

MORNING WARM-UP MODE:

DURING OPTIMAL START, IF THE SPACE TEMPERATURE IS BELOW THE OCCUPIED HEATING SETPOINT A MORNING WARM-UP MODE WILL BE ACTIVATED. WHEN MORNING WARM-UP IS INITIATED THE UNIT WILL ENABLE THE HEATING AND SUPPLY FAN. WHEN THE SPACE TEMPERATURE REACHES THE OCCUPIED HEATING SETPOINT (ADJ.), THE UNIT WILL TRANSITION TO THE OCCUPIED MODE.

PRE-COOL MODE:

DURING OPTIMAL START, IF THE SPACE TEMPERATURE IS ABOVE THE OCCUPIED COOLING SETPOINT, PRE-COOL MODE WILL BE ACTIVATED. WHEN PRE-COOL IS INITIATED THE UNIT WILL ENABLE THE FAN AND COOLING. WHEN THE SPACE TEMPERATURE REACHES OCCUPIED COOLING SETPOINT (ADJ.), THE UNIT WILL TRANSITION TO THE OCCUPIED MODE.

HEAT/COOL MODE:

WHEN THE ANY OF THE THREE ZONES' SPACE TEMPERATURE RISES ABOVE THE OCCUPIED COOLING SETPOINT THE MODE WILL TRANSITION TO COOLING. WHEN ALL OF THE THREE ZONES' SPACE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING SETPOINT THE MODE WILL TRANSITION TO HEATING. WHEN THE SPACE TEMPERATURE IS ABOVE THE OCCUPIED COOLING SETPOINT OR BELOW THE OCCUPIED HEATING SETPOINT THE MODE WILL REMAIN IN ITS LAST STATE. IF THE SPACE TEMPERATURE SENSOR FAILS THE MODE WILL REMAIN IN ITS LAST STATE AND AN ALARM WILL BE ANNUNCIATED AT THE BAS. IF THE LOCAL AND COMMUNICATED SETPOINTS FAIL THE CONTROLLER WILL DISABLE THE SUPPLY FAN AND AN ALARM WILL BE ANNUNCIATED AT THE BAS.

HUMIDITY CONTROL:

IF THE ROOM AIR RELATIVE HUMIDITY IS GREATER THAN 60% (ADJ.), THE DDC WILL RESET CHWC LEAVING AIR TEMPERATURE TO MAINTAIN RELATIVE HUMIDITY SETPOINT OF 60% (ADJ.) AND THE ELECTRIC REHEAT WILL STAGE TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. MODE WILL TERMINATE WHEN THE ROOM AIR RELATIVE HUMIDITY FALLS BELOW THE RELATIVE HUMIDITY SETPOINT 60% (ADJ.) MINUS 5% (ADJ.). IF THE ROOM AIR RELATIVE HUMIDITY SENSOR FAILS THE DEHUMIDIFICATION SEQUENCE WILL BE TERMINATED AND AN ALARM WILL BE ANNUNCIATED AT THE BAS.

FAN SPEED CONTROL: THE DDC SHALL START THE FANS SUBJECT TO FREEZE STAT AND FIRE ALARM INTERLOCKS. THE FAN SHALL RUN CONTINUOUSLY DURING OCCUPIED AND UNOCCUPIED MODES.

THE DDC SYSTEM SHALL CONTROL THE FAN SPEED THROUGH THE UNIT FAN MOUNTED 0-10V CONTROL TO MAINTAIN SUPPLY AIR AT THE SCHEDULED VALUE. THE MAXIMUM FAN SPEED SHALL BE DETERMINED DURING TAB TO BE THE SPEED WHICH IS NECESSARY TO ACHIEVE MAXIMUM DESIGN SUPPLY AIR FLOW WITH LOADED FILTERS. THIS MAXIMUM SPEED SHALL BE SET IN THE DRIVE SUCH THAT A 100% SPEED COMMAND FROM DDC RESULTS IN THIS SPEED.

COOLING CONTROL: COOLING DEMAND & RH OPTIMIZATION

THE DDC SYSTEM SHALL MODULATE THE 2-WAY CHILLED WATER CONTROL VALVE AS REQUIRED TO MAINTAIN THE FAN DISCHARGE AIR TEMPERATURE (DAT) AT DESIGN UNTIL SETPOINT IS ACHIEVED. THE DDC SHALL RESET THE DAT SETPOINT TO BE THE MINIMUM OF THE FOLLOWING TWO RESET LOOP OUTPUTS:

SPACE TEMPERATURE RESET: AS THE SPACE TEMPERATURE FALLS BELOW THE SPACE COOLING SETPOINT AND APPROACHES THE SPACE HEATING SETPOINT THE DAT SETPOINT SHALL BE RESET UPWARDS USING A LINEAR RESET BETWEEN THE FOLLOWING MIN / MAX END POINTS. IF THE SPACE TEMPERATURE IS EQUAL TO OR GREATER THAN THE SPACE COOLING SETPOINT THEN THE DAT RESET SETPOINT SHALL BE EQUAL TO THE DESIGN CLAT, 52F. IF THE SPACE TEMPERATURE IS EQUAL TO OR LESS THAN THE SPACE HEATING SETPOINT THEN THE DAT RESET SETPOINT SHALL BE EQUAL TO THE DAT MAX RESET SETPOINT, 65F (ADJUSTABLE).

RELATIVE HUMIDITY (RH) RESET: THE DDC SYSTEM SHALL MONITOR THE ROOM RH% IN EACH ZONE. THE MAXIMUM SYSTEM RH% SHALL BE USED TO DETERMINE THE DAT SETPOINT USING A LINEAR RESET BETWEEN THE FOLLOWING MIN / MAX END POINTS. IF THE MAXIMUM RH% IS EQUAL TO OR GREATER THAN 65% (ADJUSTABLE) THEN THE DAT SETPOINT SHALL BE AT THE DESIGN DAT SETPOINT, 52F. IF THE MAXIMUM RH% IS LESS THAN OR EQUAL TO 50% (ADJUSTABLE) THEN THE DAT SETPOINT SHALL BE AT THE DAT MAX RESET SETPOINT, 65F (ADJUSTABLE).

HEATING CONTROL:

PREHEAT COIL CONTROL : THE DDC SHALL STAGE THE ELECTRIC PREHEAT COIL TO MAINTAIN A MINIMUM OF 50F LEAVING THE PREHEAT COIL ANYTIME THAT THE PREHEAT IS ACTIVATED, THE CHILLED WATER VALVE SHALL BE COMMANDED TO 0% OPEN POSITION.

REHEAT CONTROL: THE DDC SHALL STAGE THE ELECTRIC REHEAT COIL FOR EACH ZONE BASED UPON ZONE TEMPERATURE.

INTERLOCKED EXHAUST FANS: EXISTING HOOD FANS (EF-A) AND GENERAL EXHAUST FANS (EF-D) OPERATION IS DEPENDENT ON THE POSITION OF AN EXISTING TOGGLE SWITCH AND THE INDIVIDUAL HOOD SWITCHES IN EACH ROOM. REMOVE MANUAL SWITCHING FOR EXHAUST FANS FROM EACH HOOD OR WALL SWITCH AND RE-ESTABLISH CONTROL OF EXISTING EXHAUST FANS BY THE DDC WITH NO LOCAL CONTROL. FANS SHALL OPERATE AS FOLLOWS:

1. FANS EF-B AND EF-C RUN CONTINUOUSLY
2. HOOD FANS TYPE EF-A AND EF-1 (NEW) RUN DURING OCCUPIED MODE
3. EXHAUST FANS TYPE EF-D RUN DURING UNOCCUPIED MODE
4. OCCUPIED MODE SHALL BE DETERMINED BY TWO POSITION TOGGLE SWITCH LOCATED IN EACH LAB. PROVIDE ENGRAVED PHENOLIC LABEL INDICATING "HOOD OPERATION" AND "GENERAL USE". "HOOD OPERATION" INDICATES OCCUPIED MODE FOR THE LAB HOODS.

LAB AHU POINTS LIST

SYSTEM POINT DESCRIPTION	ANALOG		BINARY		SYSTEMS FEATURES	
	INPUT	OUTPUT	INPUT	OUTPUT	ALARMS	PROGRAMS
	TEMPERATURE CFM STATIC PRESSURE RELATIVE HUMIDITY DDC - PERCENT OPEN SPEED SETPOINT ADJ OUTPUT (0-100%)	TEMPERATURE CFM STATIC PRESSURE RELATIVE HUMIDITY DDC - PERCENT OPEN SPEED SETPOINT ADJ OUTPUT (0-100%)	FAULT STATUS FILTER STATUS SMOKE STARTSTOP OPEN/CLOSE LOCK/OUT ENABLE/DISABLE HIGH/LOW	FAULT STATUS FILTER STATUS SMOKE STARTSTOP OPEN/CLOSE LOCK/OUT ENABLE/DISABLE HIGH/LOW	LOW ANALOG SENSOR FAIL COMM FAIL DIAGNOSTICS LATCHING	TIME SCHEDULING RUN TIME TIMED OVERRIDE MODE CONTROL
AHU CONTROL PANEL	X				X	X
FAN CONTROL		X	X	X		
OUTSIDE AIR (OAT)	X				X	X
PHC DISCHARGE AIR (PHLAT)	X				X	X
PREHEAT (2 STAGES)				X	X	X
COOLING VALVE (CCV)		X			X	X
CHWS	X				X	X
CHWR	X				X	X
FAN DISCHARGE AIR (DAT)	X				X	X
ZONE RH DISCHARGE AIR (RHLAT)	X				X	X
ZONE REHEAT (4 STAGES)				X	X	X
ZONE REHEAT (SCR)				X	X	X
FILTERS (FDP1,2)				X	X	X
ROOM SENSORS	X	X			X	X
LO LIMIT FREEZE STAT (FRZ)			X		X	X

Steven L Day, PE Florida License 52607

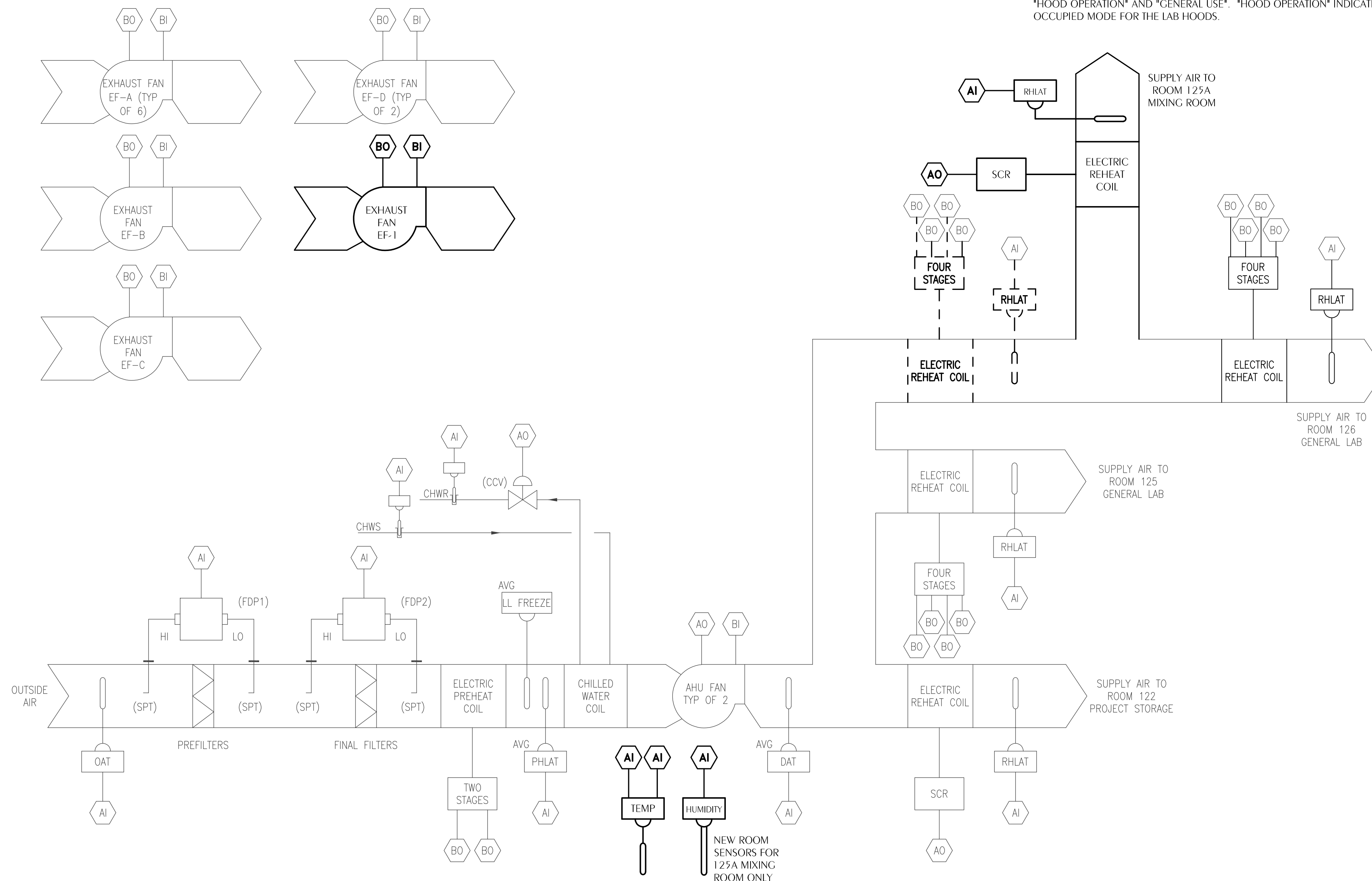
Construction Documents

DIRECT DIGITAL CONTROLS BASE BID GENERAL NOTES

1. THE CONTROLS FOR THE NEW EQUIPMENT SHALL BE CONNECTED TO AND INTEGRATED WITH THE EXISTING TRANE DDC SYSTEM. PROVIDE NEW ROOM SENSORS AND CONTROL OF NEW DUCT HEATER. RELOCATE EXISTING CONTROLS FROM DUCT HEATER TO BE DEMOLISHED ONTO NEW HEATER IN ITS NEW LOCATION. MODIFY EXISTING SEQUENCE TO INCLUDE NEW EXHAUST FAN.
2. THE DDC CONTRACTOR SHALL RE-PROGRAM THE EXISTING DDC CONTROLS TO PERFORM THE INDICATED SEQUENCES. ALL OTHER FUNCTIONS REQUIRED BY THE CONTRACT DOCUMENTS, AND ALL OTHER FUNCTIONS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM. THE DDC CONTRACTOR SHALL PROVIDE NEW SENSORS AND DEVICES WHERE NECESSARY TO COMPLETE THE SCOPE OF WORK. THE DDC CONTRACTOR SHALL COORDINATE WITH THE NEW AND EXISTING EQUIPMENT TO VERIFY THE EXTENT OF NEW DEVICES REQUIRED.
3. THE CONTRACTOR SHALL TURN OVER ALL EXISTING CONTROLLERS, SENSORS, ETC NOT TO BE REUSED TO THE OWNER FOR USE AS SPARE INVENTORY.
4. ALL SEQUENCES ARE SUBJECT TO SAFETIES. DDC CONTRACTOR SHALL PROVIDE ALL NECESSARY AND CUSTOMARY SAFETIES.
5. ALL WIRING SHALL BE IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
6. ALL CONTROL TUBING SHALL BE RUN IN CONDUIT. ALL CONDUIT SHALL BE IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS, REQUIREMENTS FOR 120 VAC CIRCUITS.
8. CONDUIT SHALL BE RUN PERPENDICULAR AND PARALLEL TO BUILDING LINES IN A FIRST CLASS WORKMANSHIP LIKE MANNER.
9. THE DDC CONTRACTOR IS CO-RESPONSIBLE, ALONG WITH THE TAB CONTRACTOR FOR COORDINATING THE PROPER INSTALLATION OF WELLS, PRESSURE TAPS, AND P/T TAPS IN ALL LOCATIONS INDICATED AND OTHERWISE AS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM.
10. THE DDC CONTRACTOR AND THE TAB CONTRACTOR SHALL UTILIZE P/T'S TO CALIBRATE INSTRUMENTS TO CERTIFIED PRESSURE GAGES, PRESSURE METERS AND THERMOMETERS.
11. FIELD VERIFY ALL QUANTITIES, LOCATIONS, ETC WITH EXISTING CONDITIONS.
12. PARTICIPATE IN COMMISSIONING ACTIVITIES WITH THE OWNER'S COMMISSIONING AGENT TO CONFIRM PROPER OPERATION ON NEW CONTROLS.

DIRECT DIGITAL CONTROLS BID ALTERNATE NO 1 NOTES

1. REPLACE EXISTING TRANE "MP581" AND EXPANSION MODULES WITH NEW CONTROLLER.
2. THE CONTROLS FOR THE NEW EQUIPMENT SHALL BE CONNECTED TO AND INTEGRATED WITH THE EXISTING TRANE DDC SYSTEM. REPLACE EXISTING AHU CONTROLLER, REUSE EXISTING SENSORS AND ACTUATORS WHERE POSSIBLE.
3. PARTICIPATE IN COMMISSIONING ACTIVITIES WITH THE OWNER'S COMMISSIONING AGENT TO CONFIRM PROPER OPERATION ON NEW CONTROLS.
4. THE CONTRACTOR SHALL TURN OVER ALL EXISTING CONTROLLERS, SENSORS, ETC NOT TO BE REUSED TO THE OWNER FOR USE AS SPARE INVENTORY.



MULTIPLE ZONE LAB AHU CONTROL DIAGRAM

Chipola College
**BUILDING D SCIENCE LAB
 FUME HOOD ADDITIONS**

3094 Indian Circle
 Marianna, FL 32446

No.	Description	Date
1	ADDENDUM 1	6/8/2026

PROJECT NUMBER: 2026-009
 DATE: 5/21/2026
 DRAWN BY: SLD
 DESIGNED BY: SLD

HVAC CONTROLS

SECTION 00300/BID FORM

DATE: _____

BIDDERS NAME: _____

STREET AND CITY: _____

TELEPHONE NO: _____

TO: Chipola College
 4410 Longhouse Court
 Marianna, FL 32446

Gentlemen:

The bidder, in compliance with your Invitation to Bid for the Building D Science Lab Fume Hood Additions for Chipola College and having carefully examined the Project Drawings, the Project Manual and the site of the proposed work, and being familiar with conditions existing including availability of materials, proposes to furnish all labor, materials and equipment to construct the project in accordance with the Contract Documents, and the time indicated, at the price stated below. These prices shall cover all expenses incurred in performing the work required by the Contract Documents.

Drawings dated May 21, 2026 are as listed in the Index of Drawings on Sheet No. 1 of the Drawings.

Specifications dated May 21, 2026 are as listed in the Index of Specifications at the front of the Project Manual.

Also examined were the Contract provisions, the Site Work and the conditions affecting the Work and Addenda including,

Addendum No.: _____; Dated: _____; Pages ___ of ___.

Addendum No.: _____; Dated: _____; Pages ___ of ___.

Addendum No.: _____; Dated: _____; Pages ___ of ___.

Addendum No.: _____; Dated: _____; Pages ___ of ___.

Addendum No.: _____; Dated: _____; Pages ___ of ___.

In submitting this bid I agree:

- 1. To hold my bid open for 60 days after the bid date.

- 2. To accept the provisions of the Standard Contract documents of the Owner regarding disposition of bid security.
- 3. To enter into and execute a contract, if awarded, on the basis of this bid and to furnish Bonds in accordance with Specification Section 00500, and the General Conditions of the Contract for Construction.
- 4. To accomplish the work in accordance with the Contract Documents.
- 5. TIME OF COMPLETION: The Undersigned hereby affirms and states that, if awarded the Contract for said Work, he shall commence Work as described herein. The construction documents allow 180 calendar days to achieve substantial completion.
- 6. LIQUIDATED DAMAGES: The Contractor shall pay as liquidated damages (not as a penalty) the sum of \$1,000.00 for each consecutive calendar day elapsing between date fixed by Contract for Substantial Completion and date such Substantial Completion has been fully accomplished. Liquidated damages shall also be incurred at \$1,000.00 each day upon Contractors failure to obtain Final Completion certification within 30 days of Substantial Completion date.

I, the Undersigned, hereby submit the following proposal:

7. BASE BID

I shall furnish all labor, materials, services and incidentals, and perform all Work necessary for the completion of work as shown and specified in strict accordance with the above-named Contract Documents for the sums and prices as listed below:

\$ _____

(_____ DOLLARS)
(Amount shall be shown in both numerals and words. Amount in words shall govern.)

8. UNIT PRICES:

Not Used

9. ALTERNATES:

BID ALTERNATE NUMBER 1

I shall furnish all labor, materials, services and incidentals, and perform all Work necessary for the completion of Bid Alternate Number 1 as shown and specified in strict accordance with the above-named Contract Documents for the sums and prices as listed below:

- DEDUCT (or)
- ADD

\$ _____

(_____ DOLLARS)

(Amount shall be shown in both numerals and words. Amount in words shall govern.)

- 10. CONSTRUCTION PROGRESS SCHEDULE: The Undersigned hereby agrees that if awarded the Contract he shall submit a Daily Progress Schedule within fifteen (15) consecutive calendar days following notification of Contract award. (See Section 01160, Progress Schedule.)
- 11. CONTRACT PROVISIONS: I understand that the Owner reserves the right to reject any or all bids and to waive any irregularities in the bidding.
- 12. Upon receipt of written notice of the acceptance of this bid, Bidder shall execute the formal contract within ten (10) days and deliver a Surety Bond or Bonds as required by Invitation to Bid.
- 13. I have executed and attached the following:
 - a. Sworn Statement Under Section 287.133(3)(A), Florida Statutes, on Public Entity Crimes.
 - b. Sworn Statement on Drug-Free Workplace Program.
 - c. Sworn statement on Material Safety Data Form (MSDF).
 - d. List of Subcontractors
 - e. Contractor's Resume' Statements for Subcontractors.

COMPANY

DATE BY (SIGNATURE)

TITLE

(SEAL - IF BID IS BY CORPORATION)

STATE OF _____

COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

[name of individual signing]

who, after first being sworn by me, affixed his/her signature in the space provided above on
this _____ day of _____, 20_____.

NOTARY PUBLIC

SEAL

My commission expires: _____

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a), FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to
[print name of the public entity]

by
[print individual's name and title]

for
[print name of entity submitting sworn statement]

whose business address is
.....
.....

and (if applicable) its Federal Employer Identification Number (FEIN) is
.....

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:)

- 2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
- 3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
- 4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 - 1. A predecessor or successor of a person convicted of a public entity crime; or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. [Indicate which statement applies.]

_____ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. [attach a copy of the final order]

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

[signature]

STATE OF _____

COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

[name of individual signing]

who, after first being sworn by me, affixed his/her signature in the space provided above on

this _____ day of _____, 20____.

NOTARY PUBLIC

SEAL

My commission expires:

END OF SWORN STATEMENT ON PUBLIC ENTITY CRIMES

**SWORN STATEMENT PURSUANT TO SECTION 287.087 AND 440.102,
FLORIDA STATUTES, DRUG-FREE WORK PLACE PROGRAM**

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR
OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to _____

by _____
(print individual's name and title)

for _____
(print name of entity submitting sworn statement)

whose business address is: _____

and (if applicable) its Federal Employer Identification Number (FEIN) is

_____.

2. It is my understanding that the Owner, Chipola College is encouraged by State Law to give preference
to entities with DRUG-FREE WORK PLACE PROGRAMS authorized by Florida Statutes, Section
287.087 and that the entity is eligible for discounts to its Worker's Compensation Insurance Premiums
under Florida Statute Section 440.102.

(signature)

STATE OF _____

COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

[name of individual signing]

who, after first being sworn by me, affixed his/her signature in the space provided above on this _____
day of _____, 20____.

NOTARY PUBLIC

SEAL

My commission expires:

END OF DRUG-FREE WORK PLACE PROGRAM STATEMENT

SWORN STATEMENT PURSUANT TO FLORIDA STATUTES, MATERIAL SAFETY DATA FORM (MSDF)

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to _____

by _____
(print individual's name and title)

for _____
(print name of entity submitting sworn statement)

whose business address is

and (if applicable) its Federal Employer Identification Number (FEIN) is

_____.

2 It is my understanding that the Owner, Chipola College, requires the Bidder to submit to the Owner within five (5) business days from Bid Date the following items:

- a. List of all chemicals and/or products that may emit, leak, evaporate, be dissolved from, or produced by the services that the Contractor is proposing;
- b. List shall include a clear deliberation of chemical content of product, containing all information required by Federal OSHA Hazard Construction Law and Florida's Right-to-Know Law; list shall have Bid number and Bid Item Number stated on Data Sheets.
- c. For building or construction materials, or building furnishings, the Contractor shall submit in writing any chemical emission or exposure data that the product contains.
- d. Safety and Health Precautions to be employed to protect Workers who will be doing the work;
- e. Safety and Health Precautions to be employed to protect the building occupants, general public and other nearby tradesmen;

- f. Safety and Health precautions to ensure that the work space, building, or Chipola College's properties are not contaminated as it may relate in any way to the services that are provided;
 - g. Precautions to be employed to ensure that harmful exposures shall not occur after the services have been provided, and a detailed description of the steps to be used to ensure this condition is achieved;
 - h. Procedures for the disposal of wastes or by-products, and a statement that the Contractor shall dispose of all wastes in compliance with applicable regulatory agencies.
3. Contractor is projecting himself as an expert in these services, and as such should be very familiar with listed items (a) through (h); As a knowledgeable entity about these services and products, the Contractor shall also be held fully and solely responsible for any problems that result in injury, illness, property damage or loss, or contamination of the air, soil, or water, or fines imposed by any regulatory agency for failure to comply with the regulations or prudent actions, that result from his services and/or the products used in supplying these services.
4. Submission of the Bid acknowledges and accepts the agreement to provide these services or materials and the Contractor agrees with all of the provisions listed above, and agrees to fully indemnify the Chipola College for any and all costs to the Chipola College that are the result of contamination, people exposures, damage to Chipola College, Engineer, and all personal property, or regulatory actions.
5. Contractor understands and agrees, if any of these provisions are not agreed to or provided as required in the Bid Application, the Contractor may be disqualified on the basis of being unresponsive to the Bid Requirements.
6. If after the contract has been secured, the Contractor fails to comply with any of these provisions, the work may be stopped immediately by the Chipola College, and the contract may be terminated at no penalty to the Chipola College. Should this occur, then the difference between this bid price and that of the next highest bidder shall be withheld as punitive damages for failing to comply with this agreement. The intent of this provision is for the Contractor to provide services and materials that shall not cause any harm to the students, staff, faculty, other tradesmen, school visitors or business invites, the indoor or outdoor environments, Chipola College property, or neighboring properties, and to ensure that the Bidder complies fully with all applicable regulatory agency requirements.
7. The Chipola College reserves the right to request additional information from the Contractor and Supplier concerning the contents of the products submitted by the Contractor for the corresponding bid item.

8. All questions concerning the requirements shall be submitted in writing to be forwarded to Chipola College.

(signature)

STATE OF _____

COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

[name of individual signing]

who, after first being sworn by me, affixed his/her signature in the space provided above on this _____ day of _____, 20____.

NOTARY PUBLIC

SEAL

My commission expires:

END OF MATERIAL SAFETY DATA FORM (MSDF) STATEMENT

END OF BID FORM

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