St. Petersburg College

EPI-TECH BUILDING

ADDENDUM No. 1

MAY 16, 2018

MATRIX PROJECT No. 17-0720

PREPARED BY: Engineering Matrix, Inc.

2860 Scherer Drive

Suite 640

St. Petersburg, Florida 33716

The following Addendum is made and hereby becomes a part of the contract documents for the subject project.

INSTRUCTIONS

- A. This Addendum to the Specifications is issued prior to the receipt of bids.
- B. All work covered in this Addendum is subject to the General and Special Conditions.
- C. This Addendum shall be acknowledged on the Bid Form and the cost of the work herein specified shall be included in the Base Bid and/or Alternate lump sum amounts.
- D. If this Addendum lists additional acceptable manufacturers, manufacturers listed remain responsible for meeting the design and performance criteria of specifications and drawings, as shown.

PRE-BID MEETING CLARIFICATIONS

- Item 1. Please see the below list of questions and answers distributed at the 5/8/2018 Pre-Bid meeting:
 - 1. Need info on Boiler, P0.0 Acid Neutralization Tank Detail Note 1. Asks us to coordinate with Boiler Manufacture to check and see if Acid Neuralization tank is integral to boiler??

Response......Please bid the project assuming there is no integral tank. Cannot verify if the chosen boiler will have an integral acid neutralization tank at this time.

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2. What is temperature range of exhaust vent condensate?

Response......The temperature is at or below the maximum temperature rating for PVC.

3. What size are Gas connections at unit?

Response......Basis of design boiler gas connection is 1-1/2"

4. What is pressure required at gas inlet at boiler?

Response......Basis of design boiler – min/max 3" – 14" (9" nominal).

5. What is service pressure of gas at tie in point?

Response...... As-builts call for 0.5 psig inside building.

6. Acid Tank is polyethylene, what material is condensate piping to tank and leaving tank to existing floor drain?

Response......Schedule 40 Polypropylene piping from the boiler to the tank, PVC leaving tank.

7. What is size of existing floor drain, will it accommodate 3" waste line from the acid neutralization tank?

Response......Condensate drainage is an indirect connection. The 3" condensate pipe can drain into the 3" floor drain.

8. Who demo's existing Boiler/Gas piping?

Response......The successful Mechanical (Prime Contractor) will determine scope of work. Contact the Mechanical (Prime Contractor) for further clarification of who removes what in this Project.

9. Need pictures of structure for hanging requirements gas/vent.

Response...... Attend at pre-bid for photos.

10. Would like pictures of existing gas pipe at source in boiler room and vent piping.

Response......Attend at pre-bid for photos.

- Item 2. Contractor to provide Port-O-Let unit with service minimum 2 times weekly.
- Item 3. Contractor and all downlines shall not enter the Epi-Tech building proper, access limited to CEP and nearby parking.

- Item 4. New louvers will require lintels. Contractor option to install
 - a) steel angle lintel (similar to a brick ledger angle), or
 - b) install a reinforced concrete "U-block" lintel filled with concrete; and install on each side vertical reinforcing and fill with concrete.
- Item 5. This bid is for a one hundred percent (100%) of Work identified on the Plans, Specifications and Addendum issued prior to Bid Opening.
- Item 6. Test and Balance will be purchased by the Owner; however, coordination with trades will be the responsibility of the Contractor.
- Item 7. SPC will permit this Project through the SPC Building Official. Contractors will have to register and supply proof of licensure etc. to the SPC Building Official before beginning on site work.
- Item 8. Contractor shall provide a bid for the specified standalone acid neutralization tank only if the boiler does not include this as an integral component.
- Item 9. Please see the attached Pre-Bid Meeting Attendance Sign-in sheet.
- Item 10. Please use the attached "Revised Bid Forms" (7 pages).

CHANGES TO SPECIFICATIONS

- Item 1. Refer to Specification Section 23 09 00, Instrumentation and Control For HVAC; Part 1, General; Paragraph 1.2, Scope; Subparagraph H.
 - MODIFY this item as follows:
 - H. Provide a separate **Bid Alternate #2** to add the Epi-Tech Campus to the ES system. Submit the Bid Alternate with two options:
 - **Bid Alternate #2A -** Using the existing BCU and MP5xx Controllers;
 - Bid Alternate #2B Replacing the existing BCU controllers with SC vintage controllers.

CHANGES TO DRAWINGS

- Item 1. Drawing M1.1, Mechanical Floor Plans.
 - MODIFIED the boiler flue demo and new scope of work to include all new Category IV venting.
 - CLARIFIED the (E)BP-1 shall be turned over to the Owner (should Bid Alternate #1 not be accepted).

Item 2. Drawing M2.1, Mechanical Details

□ MODIFIED the Boiler Flue Detail include all new Category IV venting.

END OF ADDENDUM NO. 1

Attachments: Revised Bid Forms, Pre-Bid Meeting Sign-in Sheet, Revised Drawings

M1.1, and M2.1 dated 05/16/18

FACILITIES PLANNING AND INSTITUTIONAL SERVICES Pre-Bid Meeting

Project Name:

Project # Date:

Date: Meeting Location:

Boiler Replacement, Epi-Center 265-W-18-1 05/08/2018 9:00AM Epi Center, Tech Building, #1-450



Name	Office Phone	Cell Phone	Company	Email	
LARRY DICKIE		727,423.7241	SPC FACILITIES	DICKIR, LANSON & STROWAGE, FRY	30
DENNIS DEVIEN	727-544-4340	813-363-2453	AIR MECHANICA!	ddevlin DAMSCO-AC. COM	
shane Worsham	727-573-4656		Engineering Matrix	Shane We engmor. com	7 20
DENNIS Klause	727- \$73-4656		Englaring Matrix	denniste BENGATX.com	
VESAR RIVERA	813-241-6865	81334-9582		Kiewyow Olnatusens, luc Cesan . Riveral Kiewyconno Partens-pon	Go
Shaun Peterson	9405-928-818	813-376-6754	McLair Membing A Perbusi	McLair Membing Adoction Shawna Melain plensing tompace or	4
Chris Puncell	813-234-2419	727-304-4038	Air MASTERS	OPURCOLL O BY MAKTIK.	1
Treen Smith	DES-749-237D	813-927-2552	Houghlife Mrilia	Janith @ Marel Hize, con	3
Jake Avery	813-253-9499	239-777-5648	Tampa Bay Trane	Jake. Avery @ trane. com	
1EE BOIGHION	727-841-3247	727-433-7331	SPC FACILITIES	BRIGHTON, LEE @ SPOOLLELE.	EDL
BOR GRUMBIAT	727-954-3073	407 509 1207	Mc noward AIR + SHTWAL	BOBG STMC DONALD BIR. COM	2
Kirt W Seviar	813-626-4630	813-277-6982	French's Mc	KSEVIEN & french ac.com	
RAWDY MODRE			SPC		
Tucker KRUSE	313 884 0400	813 927 5346	10 4-AR CURD	Tuckele Jofanor.com	5/1
Mixe Taylor	727.572.7767	727-504-8881	Benzeel Mech.	M. Taulas (Bentze lanchanica)	6/18
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Common Problems that may Result in Bid Being Rejected

The following is a listing of some of the more common mistakes/problems that may result in Bid being rejected. This is only a partial listing therefore, the General Specifications and Technical Specifications should be thoroughly reviewed before submitting a bid.

Failure to sign and notarize the bid.
Failure to fill out the bid in ink, typewriter or via computer.
Failure to initial price changes.
Taking exceptions.
Failure to meet the minimum requirements of the specifications.
Failure to provide all required information/documentation.
Failure to deliver the bid on time to the proper location.
Failure to sign and return all addenda which may have been issued.
Failure to answer all questions on Contractors Qualification Statement.

ST. PETERSBURG COLLEGE INVITATION TO BID NO. SPC PROJECT # 265-W-18-1 Boiler Replacement, Epi-Center

BID TENDER/CONTRACTOR'S QUALIFICATION STATEMENT

The undersigned, having carefully read the general terms, conditions and specifications of Bid No. SPC Project # 265-W-18-1 for **Boiler Replacement, Epi-Center** hereby submits bid pricing for the described services as follows:

1. Acknowledge receiving	Addendum number(s)		
2. Base bid: \$			
2. ALTERNATES			
	e (1) DELETE Boiler #2 and all of Boiler #2 related construction.		
control system with existi	o (2) "A" ADD SPC EPI-TECH campus to the SPC TRANE ES ng BCU controllers.		
control system with new	o (2) "B" ADD SPC EPI-TECH campus to the SPC TRANE ES SC controllers.		
DATE:			
FIRM NAME:			
BY:			
	Printed/Typed Name of Signature		
TITLE:			
ADDRESS:			
PHONE/FAX:			
EMAIL ADDRESS:			

ST. PETERSBURG COLLEGE INVITATION TO BID NO. SPC PROJECT # 265-W-18-1 Boiler Replacement, Epi-Center

Bid Tender / Contractor's Qualification Statement

The undersigned certifies under oath the truth and correctness of all statements and all answers to questions made hereinafter.

ubmitted by:	Name:	_ () Corporation		
	Address: Principal Office: (Note: Attach separate sheets as required.)	_() Partnership () Individual		
	(Note: Attach separate sheets as required.)	() Joint Venture () Other		
Your company	has been in business 10 years or more. YES NO			
Your company	has performed at least 3 projects in the State of Florida in the	ne last 5 years. YES □ NO □		
Your company has performed 3 successful boiler replacement projects in the last 5 years. YES NO Not to include modifications performed to new chiller plants.				
IF YES, PROV EACH PROJE	/IDE NARRATIVE OF SCOPE OF WORK AND OWNER CT:	CONTACT INFORMATION FO		
PROJECT #1				
PROJECT #2				
PROJECT #3				
Your company	y, partners, or authorized officer have never failed to complet	te a contract.		
Your company	's main business is in mechanical systems. YES 1	NO		

or parties to this i permitted either w	nvitation to bid wha	atsoever. (NOTE: N any delivery or per	ot colluded with any other bidders lo premiums, rebates or gratuities resonal contact. Any such violation
Dated at	_		
By: Printed Name of sign		orized signature)	
Title:			
Telephone:		Fax:	
	N	OTARIZATION	
before me this	day of is Personally		ent was Sworn to and subscribed, 2018. The individual or produced appropriate
		S	ignature of Notary
		Notary Public—S	State of
		My Commission	expires:
	_	(Printed, typed or Name of notary)	stamped commissioned

36. ANTI-COLLUSION STATEMENT: The below signed bidder has not divulged to, discussed

- **37. DRUG FREE WORKPLACE CERTIFICATION:** In accordance with Florida Statute 287.087, preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the vendors submitting identical bids have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:
- **I.** Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- **2.** Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- **3.** Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (I).
- **4.** In the statement specified in subsection (I), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendre to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
- **5.** Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
- **6.** Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

VENDOR'S SIGNATURE	

Minority and Woman Owned Business Declaration

Bidder hereby declares that it is a Minority/Woman Owned Business Enterprise by virtue of the following: Type of Business: Check applicable block(s) ☐ "African American" includes persons having origins in any of the Black racial groups of Africa. "Hispanic American" includes persons of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish cultures or origins, regardless of race. ☐ "Native American" includes American Indians, Eskimos, Alaskan Indians, Aleuts and Native Hawaiians. "Asian-American" includes persons whose origins are from Japan, China, Taiwan, Korea, Southeast Asia, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific, and Northern Marianas. □ "American Woman-Owned Business Enterprise" ☐ "Service-Disabled Veteran" Note: MBE and WBE are defined by Federal Register 49 CFR, Part 23, as a business firm which as at least fifty-one percent (51%) owned by minority or women group members, or in the case of a publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by the minority or woman. The minority or woman ownership must exercise actual day to day management and control of the business.

<u> </u>			
Bidder:			
Certified by (name of Public Entity, if applicable)			
City:	County:		
	oouy.		
State:	Zip Code		
Certificate Number:			
		Attach copy	
Signature:	Date	; :	

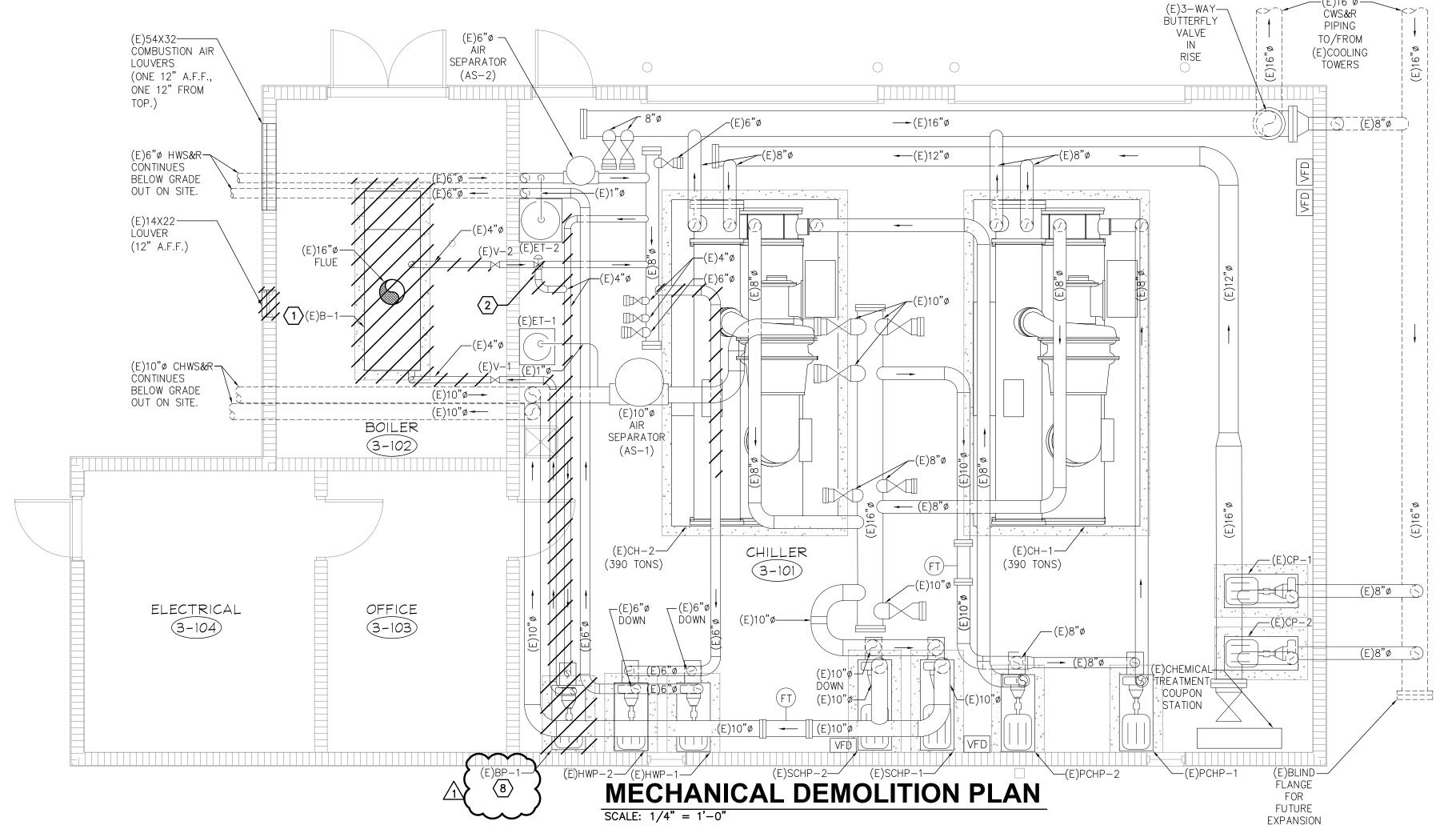
Minority and Woman Owned Businesses (M/WBE) shall complete this page, and return with their submittal

Statement of No Bid SPC PROJECT # 265-W-18-1 Boiler Replacement, Epi-Center

If your company does not intend to bid on this procurement, please complete and return this form prior to the date shown for receipt of bids to: St. Petersburg College, Facilities Department, P.O. Box 13489, St. Petersburg, Florida 33733-3489.

The undersigned declines to bid on the above referenced Invitation to Bid for the

following reason(s): Specifications are too "restrictive." (please explain below) Unable to meet specifications Specifications were unclear. (please explain below) Insufficient time to respond We do not offer this type of service or equivalent Our schedule would not permit us to perform Other (please explain below) **REMARKS:** Company Name Telephone Signature Fax **Email Address** Title Typed or Printed Name Address City State Zip



(E)6"ø HWS&R→ CÓNTINUES BELOW GRADE OUT ON SITE.

(E)10"Ø CHWS&R-CONTINUES

ELECTRICAL

BELOW GRADE OUT ON SITE.

TOP.)

(E)6"ø → AIR

SEPARATOR (AS-2)

(N)4"ø⊸

OFFICE (3-103)

GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF DEMOLITION WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- ALL EQUIPMENT SCHEDULED FOR DEMOLITION SHALL BE PRESENTED TO OWNER FOR THE FIRST RIGHT OF REFUSAL. SHOULD THE OWNER REFUSE, ALL EQUIPMENT SHALL BE DISPOSED OF IN A PROPER MANNER.
- EXISTING EQUIPMENT, LOCATIONS, AND DATA ARE BASED ON EXISTING DRAWING DATA. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS.
- ANY EXISTING WALL, ROOF, FLOOR, EQUIPMENT, ETC. DAMAGED DURING DEMOLITION SHALL BE REPAIRED OR REPLACED TO MATCH EXISTING. COORDINATE WITH GENERAL CONTRACTOR AND OR OWNER.
- CONTRACTOR SHALL INSTALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRANSITIONS, FITTINGS, ELBOWS, DUCTWORK, PIPING, SUPPORTS, ETC. NECESSARY FOR A PROPER INSTALLATION AND OPERATION OF A NEW HVAC
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF INSTALLATION WORK WITH OTHER TRADES TO AVOID CONFLICTS.
- ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
- SOME VALVES AND OTHER HYDRONIC ACCESSORIES HAVE BEEN OMITTED FROM FLOOR PLAN FOR CLARITY PURPOSES. COORDINATE WITH MECHANICAL DETAILS AND MECHANICAL FLOW DIAGRAM FOR FURTHER EXTENT OF VALVES AND HYDRONIC ACCESSORIES REQUIRED WITH NEW EQUIPMENT SCHEDULED TO BE INSTALLED.

KEYED NOTES

- \langle 1 angleCONTRACTOR SHALL DEMOLISH AND REMOVE EXISTING GAS FIRED BOILER IN IT'S ENTIRETY INCLUDING THE EXISTING CONCRETE HOUSEKEEPING PAD. EXISTING HOT WATER PIPING CONNECTED TO BOILER SHALL BE DEMOLISHED BACK TO POINT OF EXISTING ISOLATION VALVES SHOWN WITHIN BOILER ROOM. EXISTING FLUE DUCT UP TO ROOF AS WELL AS EXISTING GAS LINE SHALL BE TEMPORARILY DISCONNECTED AND MADE SAFE FOR RECONNECTION TO NEW BOILERS INDICATED ON NEW FLOOR PLAN AND SHOWN ON THIS SHEET.
- (2) CONTRACTOR SHALL FIELD LOCATE, DEMOLISH, AND REMOVE EXISTING THREE-WAY HOT WATER CONTROL VALVE AND ALL ASSOCIATED HOT WATER BYPASS PIPING. EXISTING HOT WATER PIPING SHALL BE RE-CONNECTED/CAPPED AS INDICATED ON NEW FLOOR PLAN AND SHOWN ON THIS SHEET.
- (3) CONTRACTOR SHALL PROVIDE SPOOL PIECE OF PIPING, IN ACCORDANCE WITH MECHANICAL SPECIFICATIONS, SUITABLE TO RE-CONNECT EXISTING HOT WATER SUPPLY PIPING BACK TOGETHER. CONFIRM EXISTING PIPE SIZE IN FIELD PRIOR TO ROUGH-IN.
- 4 CONTRACTOR SHALL PROVIDE BLIND FLANGE ON EXISTING HOT WATER PIPING AND SEAL WATER TIGHT. CONFIRM EXISTING PIPE SIZE IN FIELD PRIOR TO
- 5 CONTRACTOR SHALL ROUTE NEW COMMON BOILER FLUE UP THRU ROOF UTILIZING EXISTING ROOF OPENING. NEW COMMON BOILER FLUE SHALL TERMINATE AT NEW THIMBLE ON ROOF. REFER TO SPECIFICATIONS FOR APPROVED DUCT CONSTRUCTION MATERIALS. REFER TO MECHANICAL DETAILS FOR MORE INFORMATION.
- 6 CONTRACTOR SHALL COORDINATE ENLARGING OF EXISTING WALL OPENING DOWN LOW TO FACILITATE INSTALLATION OF NEW COMBUSTION AIR LOUVER. REFER TO MANUFACTURER'S INSTALLATION GUIDELINES FOR RECOMMENDED WALL OPENING PRIOR TO ROUGH-IN.
- CONTRACTOR SHALL COORDINATE WITH LOCATION OF EXISTING FLOOR DRAIN IN THE FIELD PRIOR TO ROUGHING IN NEW CONCRETE HOUSEKEEPING PADS SCHEDULED TO HOUSE NEW GAS-FIRED BOILERS.

 $\langle 8 \rangle$ DEMOLISHED BOILER PUMP BP-1 SHALL BE GIVEN TO THE OWNER AFTER IT IS REMOVED FROM SERVICE.

KEY PLAN N.T.S.

ALTERNATE DEDUCT #1

CONTRACTOR SHALL PROVIDE AN ALTERNATE DEDUCT PRICE FOR THE FOLLOWING SCOPE OF WORK:

- INSTALL ONE 1,999 MBH BOILER, IN LIEU OF TWO BOILERS. ALL WORK ASSOCIATED WITH THE SECOND BOILER, INCLUDING THE HVAC CONTROLS FLUE AND HOT WATER PIPING CONNECTION WOULD
- BE ELIMINATED FROM THE SCOPE OF WORK. REUSE THE EXISTING BOILER PUMP (E)BP-1 ELIMINATE SCOPE ASSOCIATED WITH THE NEW
- BOILER PUMPS BP-1 OR BP-2 • REUSE EXISTING LOUVERS IN THE BOILER ROOM IN LIEU OF REPLACING WITH TWO NEW LOUVERS AS

ENGINEERING MATRIX, INC. CONSULTING ENGINEERS 2860 SCHERER DRIVE, SUITE 640

ST. PETERSBURG, FLORIDA 33716

PH.(727)573-4656 F.(727)573-3902

EMAIL: email@engmtx.com CERT. OF AUTHORIZATION NO. 4288

DRAWING PHASE: PERMIT DOCUMENTS ISSUE DATE: EMI JOB NO. 04-13-2018 17-0720

ADDENDUM #1

DRAWING REVISIONS:

<u>1</u> 05-16-2018

ST. PETERSBURG COLLEGE

DRAWN BY: SMW CHECKED BY: CAT

DRAWING TITLE:

MECHANICAL FLOOR PLANS

1/4" = 1' - 0" DRAWING NUMBER:

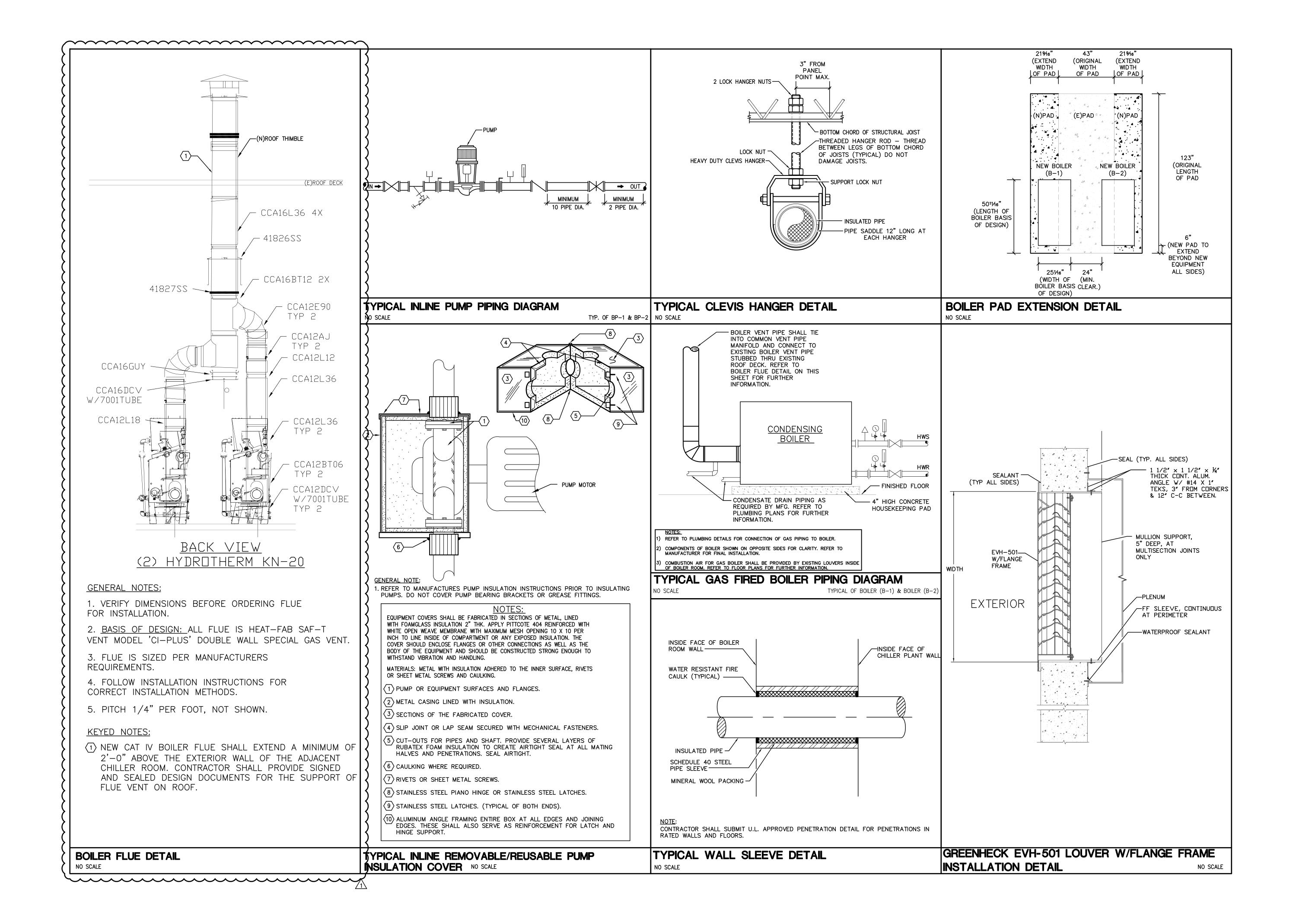
M1.1

—−(E)16"ø - (E)12"ø CHILLER 3-101 (E)CH-1-(390 TONS) (390 TONS) (E)8"ø (S) (E)8"ø (S (E)CHEMICAL TREATMENT STATION E)10"ø ||| - ||| (E)10"ø أ FLANGE FOR FUTURE EXPANSION **MECHANICAL FLOOR PLAN** SCALE: 1/4" = 1'-0"

(E)3-WAY— <>-

TO/FROM (E)COOLING

VALVE



ENGINEERING MATRIX, IN

CONSULTING ENGINEERS

2860 SCHERER DRIVE, SUITE 640

ST. PETERSBURG, FLORIDA 33716 PH.(727)573-4656 F.(727)573-3902

EMAIL: email@engmtx.com CERT. OF AUTHORIZATION NO. 4288

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DRAWING PHASE:
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ADDENDUM #1 05-16-2018

T. PETERSBURG COLLEGE
EPI - TECH BULDING
BOILER REPLACEMENT

SPC
ST. PETERSBURG

DRAWN BY: **SMW** CHECKED BY: CAT

DRAWING TITLE:

MECHANICAL DETAILS

NOT TO SCALE

DRAWING NUMBER:

M2.1