



Invitation for Bid Amendment # 1

Solicitation Number	050718-031-43505-06/07/18
Date Printed	05/31/18
Date Issued	05/31/18
Procurement Officer	Robert E Tyner, C.P.M.
Phone	(843) 574-6279
E-mail Address	Robert.tyner@tridenttech.edu

DESCRIPTION: HVAC Equipment for Palmer Campus Renovation

The Term "Offer" Means Your "Bid" or "Proposal".

SUBMIT OFFER BY (Opening Date/Time): **06/11/18 @ 2:00 PM EDT** See "Deadline For Submission Of Offer" provision

QUESTIONS MUST BE RECEIVED BY: **Deadline has passed.** See "Questions From Offerors" provision

NUMBER OF COPIES TO BE SUBMITTED: 1

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

MAILING ADDRESS:

Trident Technical College
Procurement Office
PO Box 118067
Charleston, SC 29423
Fax: 843 574-6395

PHYSICAL ADDRESS

Trident Technical College
Procurement Office
Building 940, Suite G, Room 110
2050 Mabeline Rd. N. Chas SC 29406

See "Submitting Your Offer" provision

ALL MAIL IS PICKED UP FROM THE US POSTAL SERVICE ONCE DAILY AT AROUND 8:00 A.M. (EXCLUDING WEEKENDS AND HOLIDAYS).

CONFERENCE TYPE: N/A DATE & TIME:	LOCATION: N/A
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AWARD & AMENDMENTS	Award will be posted at the Physical Address stated above on 06/12/18. The award, this solicitation, and any amendments will be posted at the following web address: https://www.tridenttech.edu/about/departments/proc/ttc_solic.htm .
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You must submit a signed copy of this form with Your Offer. By submitting a bid or proposal, You agree to be bound by the terms of the Solicitation. You agree to hold Your Offer open for a minimum of thirty (30) calendar days after the Opening Date.

NAME OF OFFEROR (Full legal name of business submitting the offer)	OFFEROR'S TYPE OF ENTITY: (Check one)
AUTHORIZED SIGNATURE (Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)	<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation (tax-exempt) <input type="checkbox"/> Corporate entity (not tax-exempt) <input type="checkbox"/> Government entity (federal, state, or local) <input type="checkbox"/> Other (See "Signing Your Offer" provision.)
TITLE (Business title of person signing above)	
PRINTED NAME (Printed name of person signing above)	DATE SIGNED

Instructions regarding Offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

STATE OF INCORPORATION	(If Offeror is a corporation, identify the state of Incorporation.)
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TAXPAYER IDENTIFICATION NO. (See "Taxpayer Identification Number" provision)	
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PAGE TWO

(Return Page Two with Your Offer)

HOME OFFICE ADDRESS (Address for offeror's home office / principal place of business)	NOTICE ADDRESS (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)
	_____ Address
	_____ Area Code – Number – Extension Facsimile
	_____ E-mail Address

PAYMENT ADDRESS (Address to which payments will be sent.) (See "Payment" clause)	ORDER ADDRESS (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)
___ Payment Address same as Notice Address (check only one) ___ Payment Address same as Home Office Address	___ Order Address same as Home Office Address ___ Order Address same as Notice Address (check only one)

ACKNOWLEDGMENT OF AMENDMENTS
 Offerors acknowledges receipt of amendments by indicating amendment number and its date of issue. (See "Amendments to Solicitation" Provision)

Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date

DISCOUNT FOR PROMPT PAYMENT (See "Discount for Prompt Payment" clause)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	_____ Calendar Days (%)
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PREFERENCES - A NOTICE TO VENDORS (SEP. 2009): On June 16, 2009, the South Carolina General Assembly rewrote the law governing preferences available to in-state vendors, vendors using in-state subcontractors, and vendors selling in-state or US end products. This law appears in Section 11-35-1524 of the South Carolina Code of Laws. A summary of the new preferences is available at www.procurement.sc.gov/preferences . **ALL THE PREFERENCES MUST BE CLAIMED AND ARE APPLIED BY LINE ITEM, REGARDLESS OF WHETHER AWARD IS MADE BY ITEM OR LOT. VENDORS ARE CAUTIONED TO CAREFULLY REVIEW THE STATUTE BEFORE CLAIMING ANY PREFERENCES. THE REQUIREMENTS TO QUALIFY HAVE CHANGED. IF YOU REQUEST A PREFERENCE, YOU ARE CERTIFYING THAT YOUR OFFER QUALIFIES FOR THE PREFERENCE YOU'VE CLAIMED. IMPROPERLY REQUESTING A PREFERENCE CAN HAVE SERIOUS CONSEQUENCES.** [11-35-1524(E)(4)&(6)]

PREFERENCES - ADDRESS AND PHONE OF IN-STATE OFFICE: Please provide the address and phone number for your in-state office in the space provided below. An in-state office is necessary to claim either the Resident Vendor Preference (11-35-1524(C)(1)(i)&(ii)) or the Resident Contractor Preference (11-35-1524(C)(1)(iii)). Accordingly, you must provide this information to qualify for the preference. An in-state office is not required, but can be beneficial, if you are claiming the Resident Subcontractor Preference (11-35-1524(D)).

_____ In-State Office Address same as Home Office Address
 _____ In-State Office Address same as Notice Address (**check only one**)

Bidders shall acknowledge receipt of this Amendment prior to date and time specified in the solicitation, or as amended, by one of the following methods: (1) by signing and returning the Amendment, (2) by letter, or (3) by submitting a bid that indicates in some way that the bidder received the amendment. Failure of your acknowledgement to be received at the issuing office prior to date and time specified may result in rejection of your offer. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

THE SOLICITATION IS AMENDED AS PROVIDED HEREIN. INFORMATION OR CHANGES RESULTING FROM QUESTIONS WILL BE SHOWN IN A QUESTION-AND-ANSWER FORMAT. ALL QUESTIONS RECEIVED HAVE BEEN REPRINTED BELOW. THE "STATE'S RESPONSE" SHOULD BE READ WITHOUT REFERENCE TO THE QUESTIONS. THE QUESTIONS ARE INCLUDED SOLELY TO PROVIDE A CROSS-REFERENCE TO THE POTENTIAL OFFEROR THAT SUBMITTED THE QUESTION. QUESTIONS DO NOT FORM A PART OF THE CONTRACT; THE "STATE'S RESPONSE" DOES. ANY RESTATEMENT OF PART OR ALL OF AN EXISTING PROVISION OF THE SOLICITATION IN AN ANSWER DOES NOT MODIFY THE ORIGINAL PROVISION EXCEPT AS FOLLOWS: UNDERLINED TEXT IS ADDED TO THE ORIGINAL PROVISION. STRICKEN TEXT IS DELETED.

The college will not accept faxed amendments.

IFB #: 050718-031-43505-06/07/18

Title: HVAC Equipment for Palmer Campus Renovation

Is hereby amended as follows:

Questions:

Q-1: Can you please provide the dimensions of the scheduled replacement Fan Coil Units?

A-1: State's Response: No Change. See attached engineering drawings.

Q-2: Can you please provide the dimensions of the existing Fan Coil Units?

A-2: State's Response: No Change. See attached engineering drawings.

Q-3: Can you please provide the maximum allowable dimensions for the Fan Coil Units?

A-3: State's Response: No Change. See attached engineering drawings.

Q-4: Is there any above-ceiling restraints that we need to know about that may cause issues for new replacement fan coil units?

A-4: State's Response: No change. Above ceiling restraints may exist, but this solicitation is to supply the equipment and does not include installation of the equipment.

Changes not related to questions:

SUBMIT OFFER BY (Opening Date/Time): 06/07/18 @ 2:00 PM EDT

SUBMIT OFFER BY (Opening Date/Time): 06/11/18 @ 2:00 PM EDT

Award will be posted at the Physical Address stated above on 05/31/18.

Award will be posted at the Physical Address stated above on 06/12/18.

From Section II-A of the solicitation:

Delete:

IRAN DIVESTMENT ACT—CERTIFICATION (JAN 2015): (a) The Iran Divestment Act List is a list published by the Board pursuant to Section 11-57-310 that identifies persons engaged in investment activities in Iran. Currently, the list is available at the following URL: <http://procurement.sc.gov/PS/PS-iran-divestment.phtm> (-) Section 11-57-310 requires the government to provide a person ninety days written notice before he is included on the list. The following representation, which is required by Section 11-57-330(A), is a material inducement for the State to award a contract to you. (b) By signing your Offer, you certify that, as of the date you sign, you are not on the then-current version of the Iran Divestment Act List. (c) You must notify the Procurement Officer immediately if, at any time before posting of a final statement of award, you are added to the Iran Divestment Act List. [02-2A077-1]

From section VII-A of the solicitation:

Delete:

IRAN DIVESTMENT ACT—ONGOING OBLIGATIONS (JAN 2015): (a) You must notify the procurement officer immediately if, at any time during the contract term, you are added to the Iran Divestment Act List. (b) Consistent with Section 11-57-330(B), you shall not contract with any person to perform a part of the Work, if, at the time you enter into the subcontract, that person is on the then-current version of the Iran Divestment Act List. [07-7A072-1]

From page 35 of the solicitation:

Delete:

IRAN DIVESTMENT ACT OF 2014
(S.C. Code Ann. §§ 11-57-10, et seq.)

The Iran Divestment Act List is a list published by the South Carolina Budget and Control Board pursuant to Section 11-57-310 that identifies persons engaged in investment activities in Iran. Currently, the list is available at the following URL: <http://procurement.sc.gov/PSIPS-irandivestment.phtm>. Section 11-57-310 requires the government to provide a person ninety days written notice before he is included on the list. The following representation, which is required by Section 11-57-330(A), is a material inducement for the State to award a contract to you.

I, the official named below, certify I am duly authorized to execute this certification on behalf of the vendor identified below, and, as of the date of my signature, the vendor identified below is not on the current Iran Divestment Act List. I further certify that I will notify the Procurement Officer immediately if, at any time before award of a contract, the vendor identified below is added to the Iran Divestment Act List.

<i>Vendor Name (Printed)</i>	<i>State Vendor No.</i>
<i>By (Authorized Signature)</i>	<i>Date Executed</i>
<i>Printed Name and Title of Person Signing</i>	<i>[Not used]</i>

FAN COIL SEQUENCE OF OPERATION

- A. GENERAL NOTES:**
1. PROVIDE THE FOLLOWING ALARM POINTS PER FAN COIL UNIT:
 - a. HIGH TEMPERATURE ALARM - ALARM 4°F ABOVE THE ACTIVE SET-POINT.
 - b. LOW TEMPERATURE ALARM - ALARM 4°F BELOW THE ACTIVE SET-POINT.
 - c. FAN STATUS ALARM - ALARM ANY FAN STATUS SHOWING A DIFFERENT VALUE THAN COMMANDED.
 - d. FAN STATUS ALARM - ALARM 15 MINUTES ABOVE 50°F.
 2. CONTROLS CONTRACTOR SHALL SUBMIT THE FOLLOWING TRENDED DATA PER SPACE. TRENDED POINTS SHALL BE TAKEN EVERY 15 MINUTES FOR A 24 HOUR PERIOD. TRENDED DATA ARE TO BE SAVED TO THE SCHOOLS HARD DRIVE IN THE DESIGNATED REPORTS FILE. THIS REPORT SHALL BE SET UP TO APPEND ITSELF INDEFINITELY.
 - a. SPACE TEMPERATURE ACTUAL
 - b. SPACE TEMPERATURE SET-POINT
 - c. HEATING WATER VALVE POSITION
 - d. SUPPLY AIR TEMPERATURE AFTER THE COOLING COIL
 - e. SUPPLY AIR TEMPERATURE AFTER THE HEATING COIL
 - f. OUTSIDE AIR DAMPER POSITION.
- B. FAN COIL UNIT SYSTEM CONTROLLER:**
1. THE FAN WILL RUN AT A HEATING MODE PRESET SPEED (60% ADJ.) TO GUARANTEE A MINIMUM AMOUNT OF CFM THROUGH THE HEATER.
 2. THE HEATING WATER COIL CONTROL VALVE SHALL MODULATE IN ORDER TO MAINTAIN THE SPACE TEMPERATURE HEATING SET-POINT.
 3. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED HEATING SET-POINT (65F ADJ.) PLUS THE UNOCCUPIED DIFFERENTIAL (4F ADJ.), THE SUPPLY FAN WILL STOP AND THE HEATING WATER COIL CONTROL VALVE WILL CLOSE.
 4. IF THE SPACE TEMPERATURE RISES ABOVE THE UNOCCUPIED HEATING SET-POINT (65F ADJ.) PLUS THE UNOCCUPIED DIFFERENTIAL (4F ADJ.), THE SUPPLY FAN WILL STOP AND THE HEATING WATER COIL CONTROL VALVE WILL CLOSE.
 5. PROVIDE THE FOLLOWING ALARM POINTS PER FAN COIL UNIT:
 - a. HIGH TEMPERATURE ALARM - ALARM 4°F ABOVE THE ACTIVE SET-POINT.
 - b. LOW TEMPERATURE ALARM - ALARM 4°F BELOW THE ACTIVE SET-POINT.
 - c. FAN STATUS ALARM - ALARM ANY FAN STATUS SHOWING A DIFFERENT VALUE THAN COMMANDED.
 - d. FAN STATUS ALARM - ALARM 15 MINUTES ABOVE 50°F.
 6. SYSTEM TRENDED DATA SHALL SUBMIT THE FOLLOWING TRENDED DATA PER SPACE. TRENDED POINTS SHALL BE TAKEN EVERY 15 MINUTES FOR A 24 HOUR PERIOD. TRENDED DATA ARE TO BE SAVED TO THE SCHOOLS HARD DRIVE IN THE DESIGNATED REPORTS FILE. THIS REPORT SHALL BE SET UP TO APPEND ITSELF INDEFINITELY.
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 - e. SUPPLY AIR TEMPERATURE AFTER THE HEATING COIL
 - f. OUTSIDE AIR DAMPER POSITION.
- D. UNOCCUPIED (NIGHT) SETBACK:**
1. TEMPERATURE NIGHT SETBACK:
 - a. WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SET-POINT (78F ADJ.):
 - i. THE CHILLED WATER VALVE WILL CLOSE.
 - ii. THE HEATING WATER VALVE WILL OPEN.
 - b. THE HEATING WATER VALVE WILL OPEN.
 - c. THE HEATING WATER VALVE WILL OPEN.
 - d. THE HEATING WATER VALVE WILL OPEN.
 2. TEMPERATURE NIGHT SETBACK:
 - a. WHEN THE SPACE TEMPERATURE IS ABOVE THE UNOCCUPIED COOLING SET-POINT (78F ADJ.):
 - i. THE CHILLED WATER VALVE WILL CLOSE.
 - ii. THE HEATING WATER VALVE WILL OPEN.
 - b. IF THE SPACE TEMPERATURE FALLS BELOW THE UNOCCUPIED COOLING SET-POINT (78F ADJ.) MINUS THE UNOCCUPIED DIFFERENTIAL (4F ADJ.), THE SUPPLY FAN WILL STOP AND THE CHILLED WATER VALVE WILL CLOSE.
 - c. WHEN THE SPACE TEMPERATURE IS BELOW THE UNOCCUPIED HEATING SET-POINT (65F ADJ.):
 - i. THE CHILLED WATER VALVE WILL OPEN.
 - ii. THE HEATING WATER VALVE SHALL OPEN.

- E. ALARM POINTS:**
1. PROVIDE THE FOLLOWING ALARM POINTS PER FAN COIL UNIT:
 - a. HIGH TEMPERATURE ALARM - ALARM 4°F ABOVE THE ACTIVE SET-POINT.
 - b. LOW TEMPERATURE ALARM - ALARM 4°F BELOW THE ACTIVE SET-POINT.
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 2. CONTROLS CONTRACTOR SHALL SUBMIT THE FOLLOWING TRENDED DATA PER SPACE. TRENDED POINTS SHALL BE TAKEN EVERY 15 MINUTES FOR A 24 HOUR PERIOD. TRENDED DATA ARE TO BE SAVED TO THE SCHOOLS HARD DRIVE IN THE DESIGNATED REPORTS FILE. THIS REPORT SHALL BE SET UP TO APPEND ITSELF INDEFINITELY.
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 - e. SUPPLY AIR TEMPERATURE AFTER THE HEATING COIL
 - f. OUTSIDE AIR DAMPER POSITION.

REV	DESCRIPTION	DATE	APPROVED

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STRUCTURAL AND ROOFING CONSULTANT

STATE COLLEGE TECHNICAL COLLEGE
DESIGNATED BY THE BOARD OF TRUSTEES

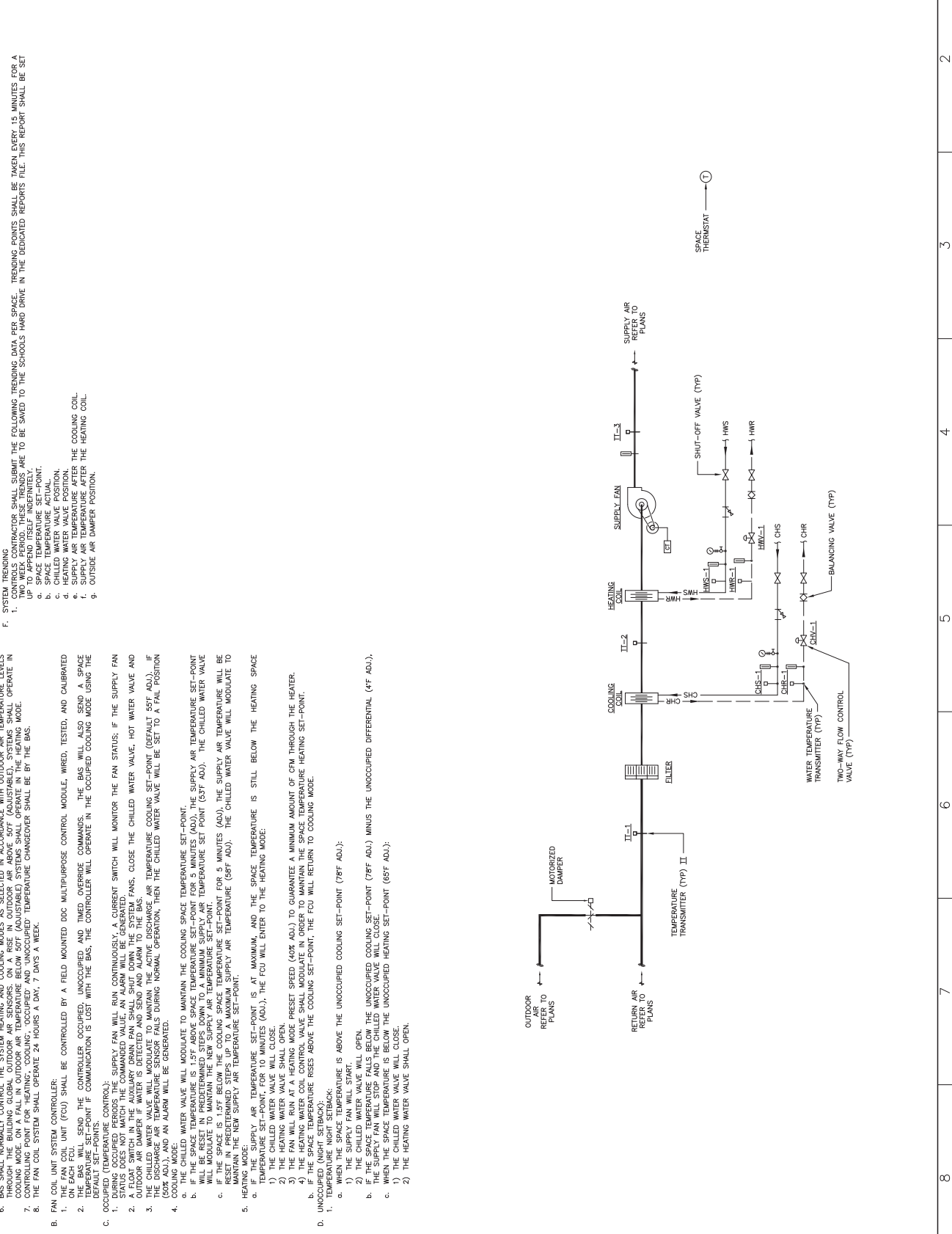
CONSTRUCTION DOCUMENTS

TRIDENT TECHNICAL COLLEGE
PALMER CAMPUS
HVAC RENOVATION - PHASE II

TRIDENT TECHNICAL COLLEGE

SCALE	DATE	BY	CHKD

REV	DESCRIPTION	DATE	APPROVED



FAN COIL SEQUENCE AND SCHEMATIC

RMF Engineering, Inc.
CHARLESTON, SC 29402
P: 803.735.5041 F: 803.735.5041

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