

ADDENDUM NO. TWO

JOB NAME: NOBLESVILLE CITY HALL CONTROLS UPGRADE

PROJECT NUMBER: 24-800-036-1

DATE OF ADDENDUM: 06/21/2024



Dustin Barth, PE.
Indiana Registration No. 12200401

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGEMENT SECTION OF YOUR PROPOSAL.

Clarifications:

1. The City of Noblesville has confirmed that the City Hall will work with contractor throughout the process of the construction project to close off blocks of offices to allow for efficient work flow. It is anticipated that in most cases blocks of 10+ offices plus support spaces can be closed at any given time. The contractor is expected to communicate with the City of Noblesville to help facilitate these closures.
2. It is anticipated that no more than 10% of the floor plan may require early morning shutdowns or after-hours work.
3. All thermostats shall be digital display unless otherwise noted on the plans.
4. The new VFD's in Alternate #2 shall have a bypass.
5. There are three (3) Humidifiers that share a control cabinet on the roof. The Schedule index of equipment on sheet M600 has always shown these but revisions have been made to Sheet M230 showing equipment tags to ensure clarity and consistency.

Specifications:

1. Specification No.: 00 23 00
Specification Title: Alternates
 - a. Clarified Alternate #2, VFDs shall be bypass type.

Drawings:

1. M-230 – Roof Mechanical Plan
 - a. Added Tags for Humidifiers on the roof to match the tags for the humidifiers in the equipment index on sheet M600

Other Attachments:

1. Prebid meeting Agenda
2. Prebid Meeting Attendance

END OF ADDENDUM 2

SECTION 01 23 00
ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.
- B. Procedures for pricing Alternates.
- C. Documentation of changes to Contract Price and Contract Time.

1.02 RELATED REQUIREMENTS

- A. Document 00 21 13 - Instructions to Bidders: Instructions for preparation of pricing for Alternates.
- B. Document 00 43 23 - Alternates Form: List of Alternates as supplement to Bid Form.
- C. Document 00 52 00 - Agreement Form: Incorporating monetary value of accepted Alternates.

1.03 ACCEPTANCE OF Alternates

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.04 BASE BID:

- A. All work shown on scoping documents shall be included in the base bid.

1.05 ALTERNATES:

- A. **Alternate 1:** Siemens or Delta Controls field level controllers may be used in conjunction with a Niagara 4 Supervisory Controller
- B. **Alternate 2:** Replace 2 VFD's. Hot Water Pump 10hp VFD's with Bypass.

1.06 SCHEDULE OF Alternates

- A. Alternate No. 01:
 - 1. Base Bid Item: ABB field controllers
 - 2. Alternate Item: Siemens or Delta Controls field controllers
- B. Alternate No. 02: Replace VFD's
 - 1. Base Bid Item: None
 - 2. Alternate Item: Hot Water Pump 10hp VFD's with Bypass.

- a. Hot Water Pump 10hp VFD's
- 3.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

Project Name: Noblesville City Hall
Controls Upgrade

Topic: Pre-Bid Meeting

Date: 2024.06.21

Organizer: Adam Mattingly

Attendees: Nathan Holt, David Dale

Unless comments to the contrary are received within seven (7) days of the issue date of these minutes, the minutes will be assumed to be correct as written.

The following discussions/decisions will be made during the meeting:

1. Introduction
2. Project Summary
 - This project is a complete controls system renovation from the existing Carrier I-Vue system to a Tridium system with a Niagara N4 front end. Existing equipment with Bacnet cards to be integrated into system, and non-Bacnet field devices to be replaced and integrated into system.
 - Base bid Tridium front end with ABB controls.
 - Alternate 1: Tridium front end with alternate device manufacturers (Siemens / Delta)
 - Alternate 2: Replacing (2) hot water pump VFDs
 - Single Bid Package
3. Schedule
 - Bid Date: June 25th, 2024
 - Opening at 9am at Noblesville City Hall
 - Start Date: ~August 9th, 2024
 - Completion: Goal is end of 2024
4. Questions
5. Walkthrough

Meeting Attendance:

Name	Representing (Department, Division, etc.)	In Attendance (X)	Phone	E-mail
Nathan Holt	RGAW	X	317-757-4959	nholt@rgaw.com
KYLE HUDSON	ENVELOP GROUP	X	317-696-3988	khudson@envelopgroup.com
DAVID DALE	City of Noblesville	X	317-753-9250	ddale@noblesville.in.gov
Aaron Stull	Precision	X	317-691-5305	astull@pcsoi.com
Matthew Atkinson	ICS	X	200-600-8170	matkinson@innovativecontrolsystems.com
MAT MANOR	PCSOI	X	(317) 671-1905	mmamor@shambagh.com



PHOTO AT (E)RTU-A1 AND A2



PHOTO AT (E)DRISTEEM

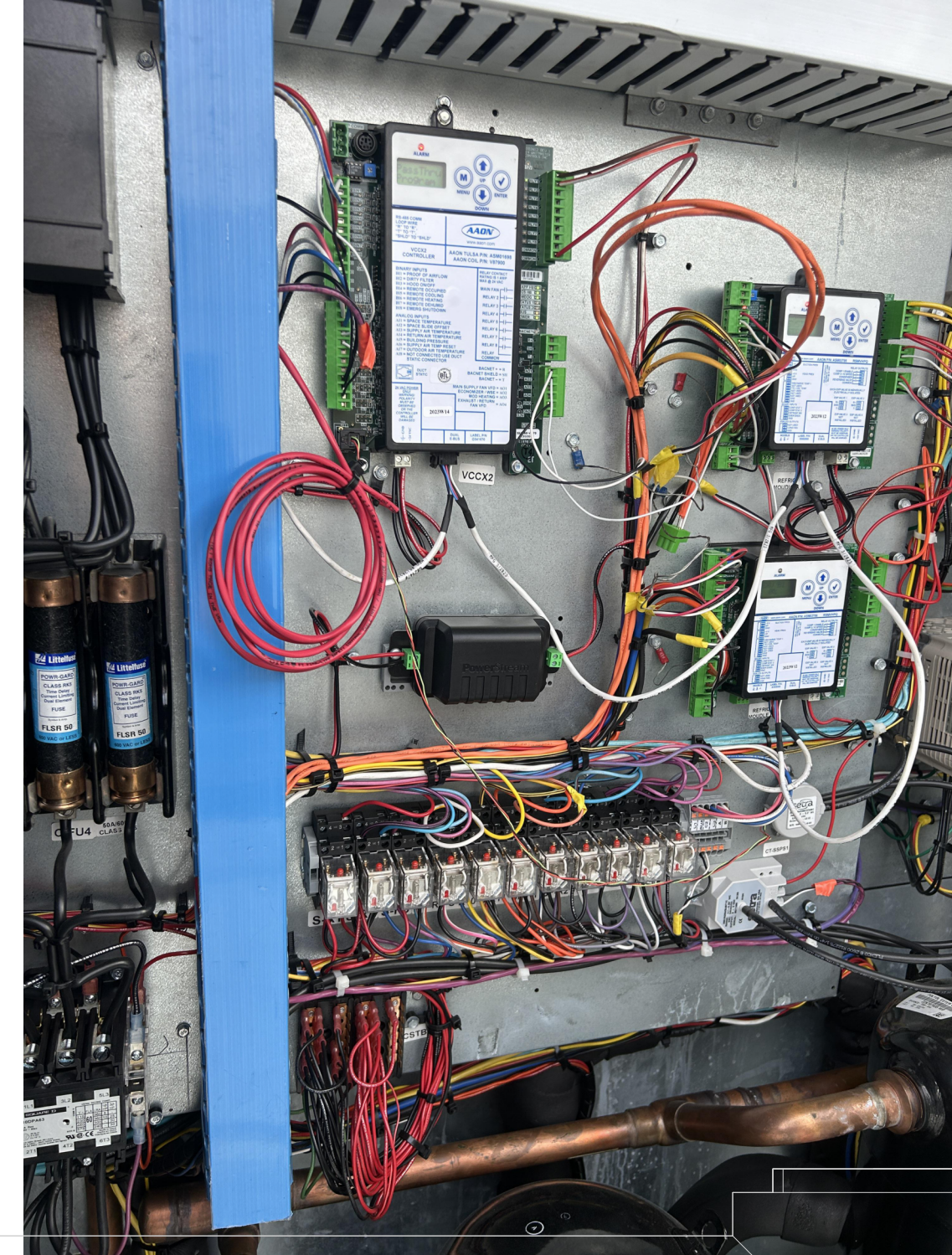
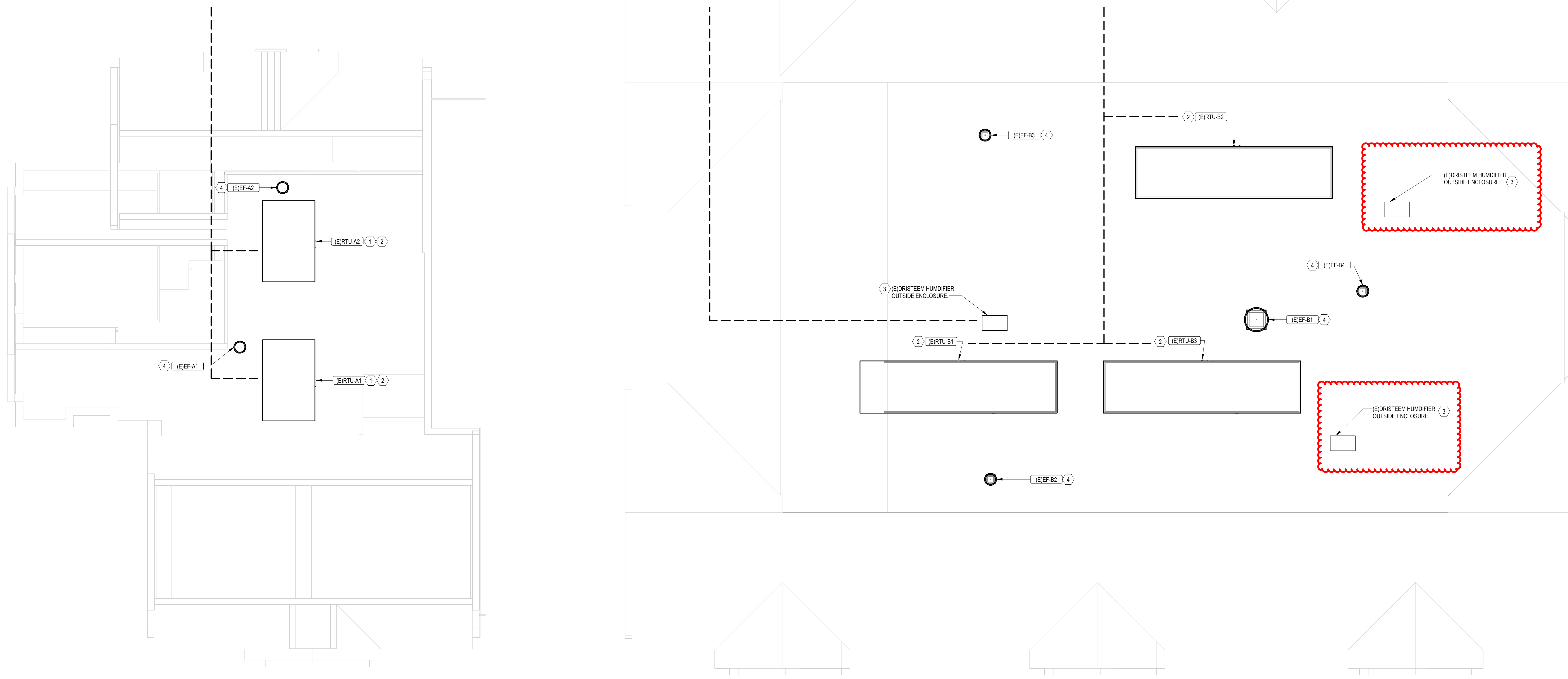


PHOTO AT (E)RTU-B1, B2 AND B3

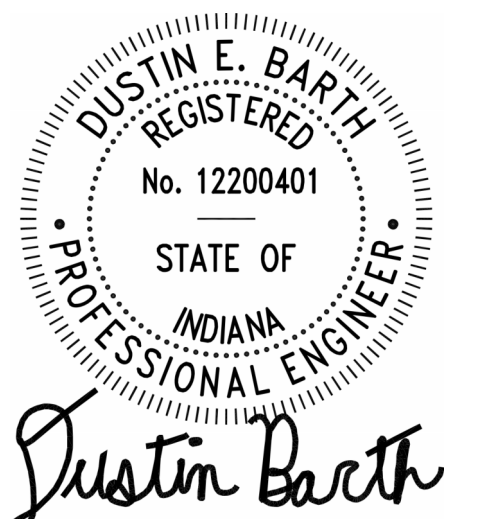
GENERAL NOTES:
 A) TCC SHALL PERFORM A COMPLETE CONTROLS REPLACEMENT FOR THE ENTIRE FACILITY INCLUDING ALL FIELD DEVICES INCLUDING BUT NOT LIMITED TO DAT SENSORS, WALL THIP SENSORS, VALVE ACTUATORS AND EXHAUST FAN ISOLATION DAMPERS.
 B) DEVICES WITH BACNET CARD SHALL BE FULLY INTEGRATED TO BMS WITH CUSTOM GRAPHICS.
 C) TCC SHALL PERFORM A POINT TO POINT CHECKOUT AT THE END OF THE PROJECT.
 D) TCC SHALL STRIVE TO IDENTIFY ANY DAMPERS, VALVES, PIPING ACCESSORIES, ECT. THAT MAY NEED REPLACEMENT BEYOND THE CONTROLS COMPONENTS WITHIN THEIR SCOPE. TCC SHALL INFORM OWNER OF ITEMS NEEDING REPLACED.
 E) TCC SHALL BUILD FRONT END GRAPHICS AND SUBMIT TO ENGINEER FOR APPROVAL.
 F) FIELD CONTROLLERS ON EACH LEVEL SHOULD HAVE SPARE CAPACITY FOR THE FOLLOWING:
 - BASEMENT: 4(10)AV BOXES
 - FIRST FLOOR: 10(10)AV BOXES
 - SECOND FLOOR: 10(10)AV BOXES

#	NOTE
1	TEMPERATURE CONTROL CONTRACTOR TO PROVIDE A CARRIER UPC OPEN INTERGRATION DEVICE TO TIE INTO BMS.
2	TCC TO BUILD CUSTOM FRONT END GRAPHIC FOR ALL AVAILABLE POINTS FROM AHU MANUFACTURERS PACKAGED CONTROLS. ANY POINT THAT COMMANDABLE FROM AHU SHALL BE COMMANDABLE FROM THE FRONT END. ANY POINT THAT CAN BE READ FROM AHU SHALL BE DISPLAYED ON THE FRONT END GRAPHIC.
3	TCC TO INTEGRATE DRISTEEM HUMIDIFIERS INTO BMS.
4	EXHAUST FAN IS BELT DRIVE. TCC TO PULL ON/OFF ALARM ONLY.



#	Revision	Date
1	Addendum #2	06/21/2024

Project #: 24-800-036-1
 Designed By: A.M.
 Drawn By: R.T.
 Checked By: A.M.
 Date: 05/31/2024



These Drawings and Specifications, and all copies thereof are and shall remain the property and copyright of the Architect. They shall be used only with respect to this Project and are not to be used on any other Project or Work without prior written permission from the Architect