JUNE 21, 2019 BOARD OF COUNTY COMMISSIONERS ORANGE COUNTY, FLORIDA ADDENDUM NO. 3, IFB Y19-754-RC ORANGE COUNTY FIRE RESCUE FIRE STATION #30 HVAC REPLACEMENT

THE REVISED BID OPENING DATE IS: July 2, 2019

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents. <u>Underlining</u> indicates additions, deletions are indicated by <u>strikethrough</u>.

- A. The bid opening date has been revised from June 25, 2019 to July 2, 2019 at 2:00 P.M.
- B. Questions and Answers:
- **1. QUESTION:** Question #1 in Addendum #2 states there is no current BMS in this facility. In the Scope of Work on the cover page of the drawings as well as the bid documents it states to "...provide new controls for new systems and communication with existing BMS including with new graphic updates to existing front end controls." Please clarify.

ANSWER: The building BMS is to be compatible with and accessible by the Owner's county-wide control system, including scheduling, reporting, alarms, setpoints, and graphics. The county control system is BACnet protocol based on Reliable Controls.

- **2. QUESTION**: I see that Reliable Controls is not listed on the approved manufacturer list. Per Orange County Government Master specs. approved manufactures are:
 - Reliable Controls
 - o Trane
 - o JCI
 - Automated Logic

Can you please confirm that any of these four are acceptable?

ANSWER: The four manufacturers listed below, Automated Logic Corporation, Johnson Controls (Metasys), Reliable Controls, and Trane, are acceptable manufacturers for the BAS control system.

C. Clarifications

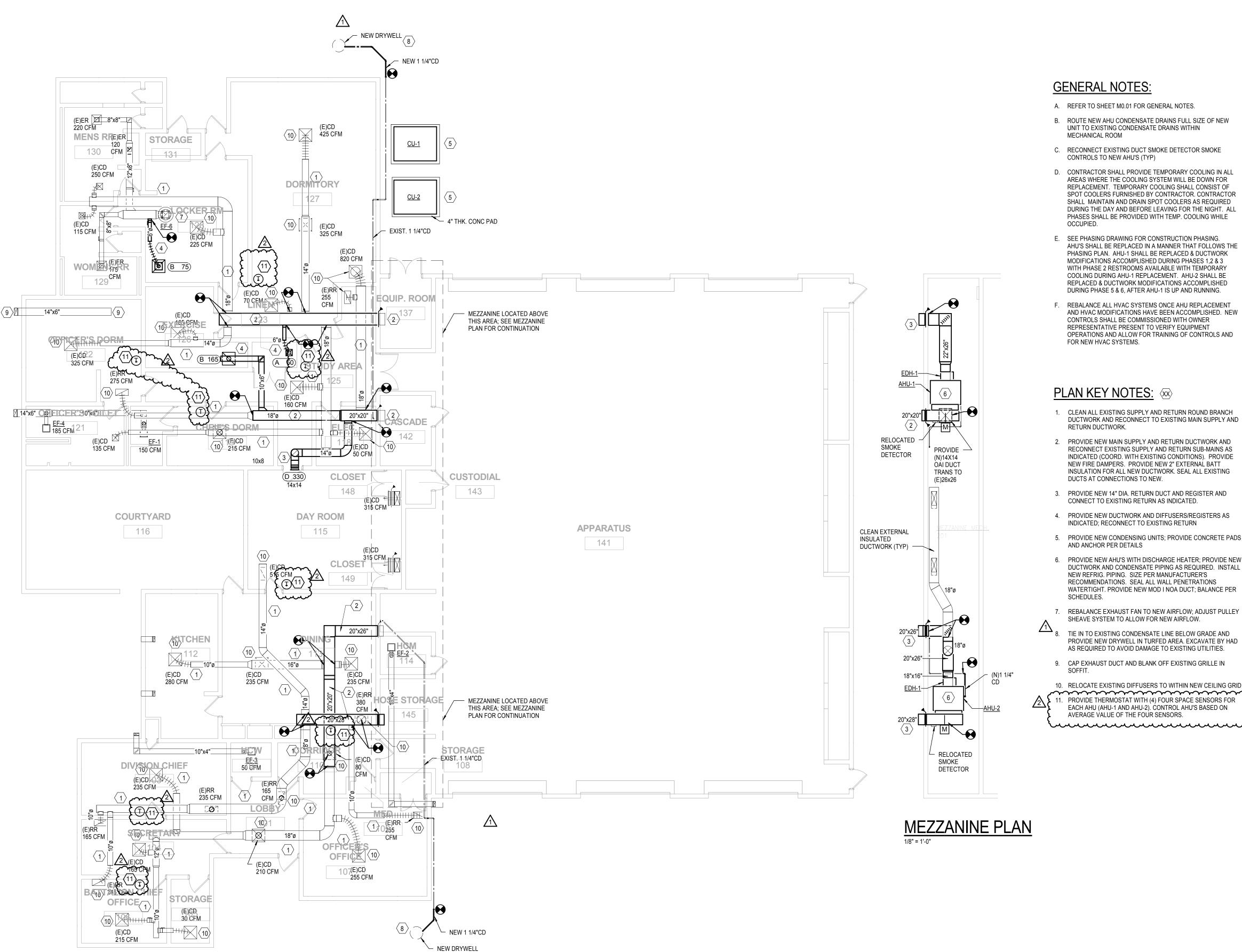
a. Please see revised mechanical drawing 'M-101' which clarifies thermostat temperature sensor locations.

D. ACKNOWLEDGEMENT OF ADDENDA

3. Receipt acknowledged by:

- 1. The Bidder/Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later that the date and time for receipt of the bid or proposal.
- 2. All other terms and conditions of the IFB remain the same.

Authorized Signature	Date Signed
Title	
Name of Firm	



GENERAL NOTES:

- A. REFER TO SHEET M0.01 FOR GENERAL NOTES.
- B. ROUTE NEW AHU CONDENSATE DRAINS FULL SIZE OF NEW UNIT TO EXISTING CONDENSATE DRAINS WITHIN MECHANICAL ROOM
- E. SEE PHASING DRAWING FOR CONSTRUCTION PHASING. AHU'S SHALL BE REPLACED IN A MANNER THAT FOLLOWS THE PHASING PLAN. AHU-1 SHALL BE REPLACED & DUCTWORK MODIFICATIONS ACCOMPLISHED DURING PHASES 1,2 & 3 WITH PHASE 2 RESTROOMS AVAILABLE WITH TEMPORARY COOLING DURING AHU-1 REPLACEMENT. AHU-2 SHALL BE REPLACED & DUCTWORK MODIFICATIONS ACCOMPLISHED
- F. REBALANCE ALL HVAC SYSTEMS ONCE AHU REPLACEMENT AND HVAC MODIFICATIONS HAVE BEEN ACCOMPLISHED. NEW CONTROLS SHALL BE COMMISSIONED WITH OWNER REPRESENTATIVE PRESENT TO VERIFY EQUIPMENT OPERATIONS AND ALLOW FOR TRAINING OF CONTROLS AND

PLAN KEY NOTES: 🕸

- 1. CLEAN ALL EXISTING SUPPLY AND RETURN ROUND BRANCH DUCTWORK AND RECONNECT TO EXISTING MAIN SUPPLY AND RETURN DUCTWORK.
- 2. PROVIDE NEW MAIN SUPPLY AND RETURN DUCTWORK AND RECONNECT EXISTING SUPPLY AND RETURN SUB-MAINS AS INDICATED (COORD. WITH EXISTING CONDITIONS). PROVIDE NEW FIRE DAMPERS. PROVIDE NEW 2" EXTERNAL BATT INSULATION FOR ALL NEW DUCTWORK. SEAL ALL EXISTING
- CONNECT TO EXISTING RETURN AS INDICATED.
- 4. PROVIDE NEW DUCTWORK AND DIFFUSERS/REGISTERS AS
- REBALANCE EXHAUST FAN TO NEW AIRFLOW; ADJUST PULLEY SHEAVE SYSTEM TO ALLOW FOR NEW AIRFLOW.
- TIE IN TO EXISTING CONDENSATE LINE BELOW GRADE AND AS REQUIRED TO AVOID DAMAGE TO EXISTING UTILITIES.
- 9. CAP EXHAUST DUCT AND BLANK OFF EXISTING GRILLE IN
- \cdots 1. PROVIDE THERMOSTAT WITH (4) FOUR SPACE SENSORS FOR EACH AHU (AHU-1 AND AHU-2). CONTROL AHU'S BASED ON AVERAGE VALUE OF THE FOUR SENSORS.

- C. RECONNECT EXISTING DUCT SMOKE DETECTOR SMOKE CONTROLS TO NEW AHU'S (TYP)
- D. CONTRACTOR SHALL PROVIDE TEMPORARY COOLING IN ALL AREAS WHERE THE COOLING SYSTEM WILL BE DOWN FOR REPLACEMENT. TEMPORARY COOLING SHALL CONSIST OF SPOT COOLERS FURNISHED BY CONTRACTOR. CONTRACTOR SHALL MAINTAIN AND DRAIN SPOT COOLERS AS REQUIRED DURING THE DAY AND BEFORE LEAVING FOR THE NIGHT. ALL PHASES SHALL BE PROVIDED WITH TEMP. COOLING WHILE
- DURING PHASE 5 & 6, AFTER AHU-1 IS UP AND RUNNING.
- FOR NEW HVAC SYSTEMS.

- DUCTS AT CONNECTIONS TO NEW.
- 3. PROVIDE NEW 14" DIA. RETURN DUCT AND REGISTER AND
- INDICATED; RECONNECT TO EXISTING RETURN
- 5. PROVIDE NEW CONDENSING UNITS; PROVIDE CONCRETE PADS AND ANCHOR PER DETAILS
- 6. PROVIDE NEW AHU'S WITH DISCHARGE HEATER; PROVIDE NEW NEW REFRIG. PIPING. SIZE PER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL WALL PENETRATIONS WATERTIGHT. PROVIDE NEW MOD I NOA DUCT; BALANCE PER
- PROVIDE NEW DRYWELL IN TURFED AREA. EXCAVATE BY HAD



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Client Name:

ORANGE COUNTY

FIRE STATION #30 20 SOUTH HASTINGS ST. ORLANDO, FL 32835



Issue: 100% PERMIT DOCUMENTS 02-07-19 PRE-BID RFI 05/15/19 2 PRE-BID RFI#2 06/18/19

ORANGE COUNTY FIRE STATION #30 **HVAC REPLACEMENT**

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Checked By:	JO	E > 10. 00/34
Engineer of Recor	rd:	STATE OF STA
License Number:		Manager STONAL ENGLISHMENT

Sheet Name:

MECHANICAL FLOOR PLAN

Sheet Number:

M-101