October 17, 2018
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
IFB Y19-708-JS ADDENDUM #2

ORANGE COUNTY CONVENTION CENTER – NORTH/SOUTH BUILDING SMOKE CONTROL SYSTEMS UPGRADE

This addendum is intended to be 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. Underlining indicates additions, deletions are indicated by ~~strikethrough.~~

A. The Bid due date remains October 25th, 2018.

B. Revised Changes to Drawings and Specifications:

DRAWINGS

Electrical Sheets- Updated in response to received Bid RFIs

a) E901 –General notes
   i. Added to scope of work, clarifying contractor to provide new current switches for existing fan status signal to be relayed to fire alarm and smoke control system.

C. The following are questions/responses/clarifications:

Question 1: Please provide name and contact information of the preferred/required roofing contractor for roof penetrations.

Response 1: The Orange County Convention Center does not have a preferred roofing contractor. However the roofing contractor must be experienced in patching membrane roofs.

Question 2: Will the questions and answers from Y18-755 Addendum 1 apply to the scope of work for Y19-708?

Response 2: Previous questions from Y18-755 have been updated and included in the Y19-708 issued drawings, all previous answers apply.

Question 3: On sheet E901, Fire Alarm Smoke Exhaust Fan Relay Detail, Note 2; directs the contractor to "Install FA relays immediately adjacent to fan/starters they serve." If "no FATC are being added to the rooftop" Was it the designer's intent that these FA relays go inside the Exhaust Fan starters on the rooftop?

Response 3: Yes, this is anticipated

Question 4: If the FA relays are intended to go immediately adjacent to the fan/starters on the rooftop, please confirm an FATC next to each existing starter is acceptable.

Response 4: The intent is for the FA relays to be installed inside the exhaust fan starters.

Question 5: The current requirements for RFP Y19-708 IFB do not allow for rooftop conduit runs from the FATC panels at the exhaust fans back to the inside of the building. The current RFP expectation is a roof-top penetration immediately below the unit parallel to the existing penetrations with conduit following the inside ceiling back where required. There exist 6 exhaust fans on the immediate South side of the building rooftop along with 5 exhaust fans along the immediate North side of the building rooftop. For these 11 exhaust fans, can NEC approved rooftops conduit runs using an approved rigid or a PVC coated conduit, one conduit run for each of the 11 units, be used along with a CADDY FIXED STRUT, 10" C-CHANNEL and Stainless Steel straps other approved NEC rooftop conduit securing method, and taking into consideration the ampacity for the circuit wire within, be used to take the smoke control circuit back into the side of the primary Mechanical Rooms between the two outside rooftops? Doing so would provide an overall cost savings to the project.

Response 5: The OCCC does not want conduit runs on the roof due to an upcoming roof replacement project. Please install per plans and specifications.

D. All other terms and conditions of the IFB remain the same.

E. The 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 than the date and time for receipt of the proposal.

Receipt acknowledged by:

_____ _____

Authorized Signature **Date Signed**

_____

Title

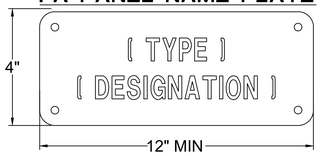
_____

Name of Firm

NOTES:

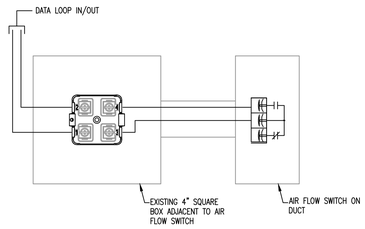
1. PROVIDE RED LAMINATE WITH WHITE LETTERS. COLOR SYSTEMS ARE TO REMAIN CONSISTENT THROUGHOUT OUT ENTIRE SYSTEM.
2. PROVIDE SIGN ON ENGRAVED LAMINATE SIGN WITH MINIMUM OF 1" LETTERS.
3. SIGN SHALL BE PERMANENTLY AFFIXED TO EACH FIRE ALARM PANEL DOOR.
4. ALL SIGNS SHALL BE SUBMITTED AND APPROVED BY ENGINEER PRIOR TO INSTALLATION.
5. INSERT CORRECT PANEL TYPE AND DESIGNATION PER ID SHOWN ON DRAWINGS.

FA PANEL NAME PLATE



NODE 5-1A-1

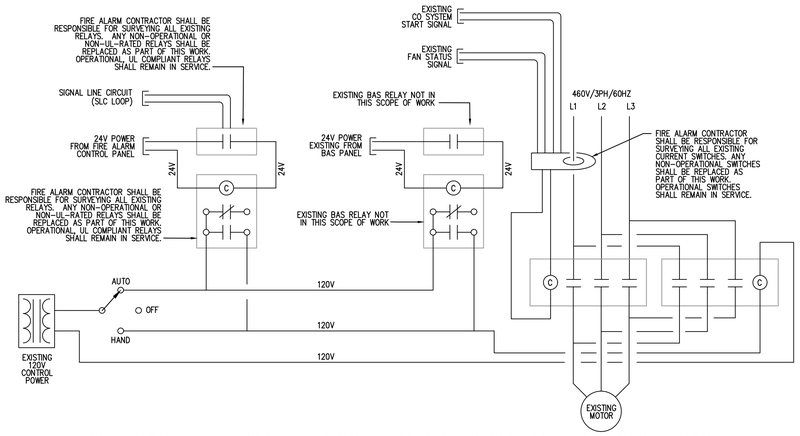
- PANEL TYPE (NODE, TRSP, FATC, LIU)
- BUILDING PHASE (1,2,3,4,5)
- SECTION ID (1,2)
- PANEL ID (A,B,C,D,E)
- FLOOR LEVEL (1,1M,2,2M,3,3M,4)



NOTES:

1. MOUNT MONITOR MODULE IN JUNCTION BOX ADJACENT TO FAN SWITCH.
2. CONTRACTOR MAY REUSE EXISTING AIR FLOW SWITCHES IF LOCATED IN THE CORRECT DUCT AND TESTED TO BE IN GOOD WORKING ORDER, REPLACE IF NECESSARY. PROVIDE NEW AIR FLOW SWITCH IN DUCT AT ALL OTHER LOCATIONS REQUIRED BY CODE OR SHOWN ON THE DRAWINGS.

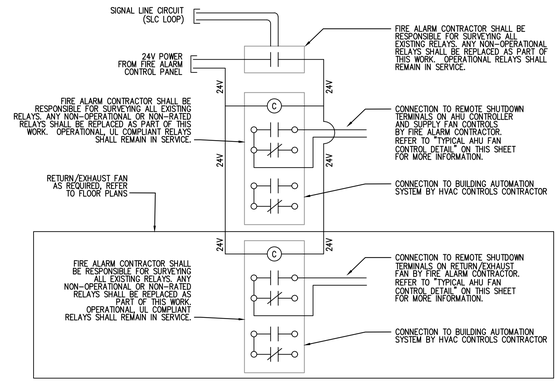
AIR FLOW SWITCH DETAIL



1. FIRE ALARM SYSTEM SHALL COMMAND/MONITOR THE FOLLOWING TRUCK DOCK EXHAUST FAN POINTS: START, STOP, FAN STATUS, AND READY (AUTO, NOT IN HAND/OFF POSITION)
2. INSTALL FIRE ALARM RELAYS IMMEDIATELY ADJACENT TO THE FAN STARTERS/DRIVES THEY SERVE.
3. TRUCK DOCK EXHAUST FANS PERFORM FUNCTIONS FOR BOTH CARBON MONOXIDE AND SMOKE CONTROL.
4. FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE BAS CONTRACTOR AND THEIR DRAWINGS PRIOR TO THE START OF WORK.
5. PROVIDE ANY AND ALL REQUIRED HARDWARE OR ADDITIONAL CT SWITCHES TO ALLOW FOR STATUS MONITORING TO THE FIRE ALARM SYSTEM.
6. PROVIDE ANY AND ALL REQUIRED HARDWARE TO ALLOW FOR FIRE ALARM CONNECTION TO HOA SWITCH.

FIRE ALARM TRUCK DOCK EXHAUST FAN RELAY DETAIL

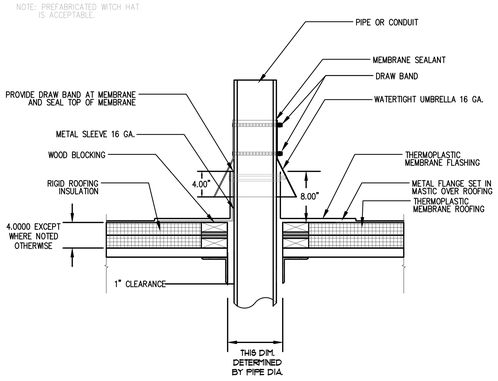
N.T.S



1. INSTALL FIRE ALARM RELAYS IMMEDIATELY ADJACENT TO THE AHU CONTROLLERS OR FAN STARTERS/DRIVES THEY SERVE.
2. FIRE ALARM RELAYS FOR SUPPLY AND RETURN/EXHAUST FANS MAY BE INSTALLED TOGETHER IN THE SAME ENCLOSURE IF THE FANS ARE CONTROLLED FROM THE SAME MOTOR CONTROL CENTER OR BOTH STARTERS/DRIVES ARE "WITHIN PLAIN SIGHT" OF THE NEW FIRE ALARM CONTROL RELAY ENCLOSURE.
3. BAS CONTRACTOR SHALL VERIFY THAT REMOTE SHUTDOWN TERMINALS AT AHU CONTROLLER REMOVE CONTROL POWER FROM THE SMOKE DAMPERS AND CAUSE NORMALLY CLOSED DAMPERS TO CLOSE. IF THIS IS NOT THE CASE, THE BAS CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY.
4. FIRE ALARM CONTRACTOR SHALL VERIFY LOCATION AND OPERATION ON TEST KEYSWITCHES.
5. FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE BAS CONTRACTOR AND THEIR DRAWINGS PRIOR TO THE START OF WORK.

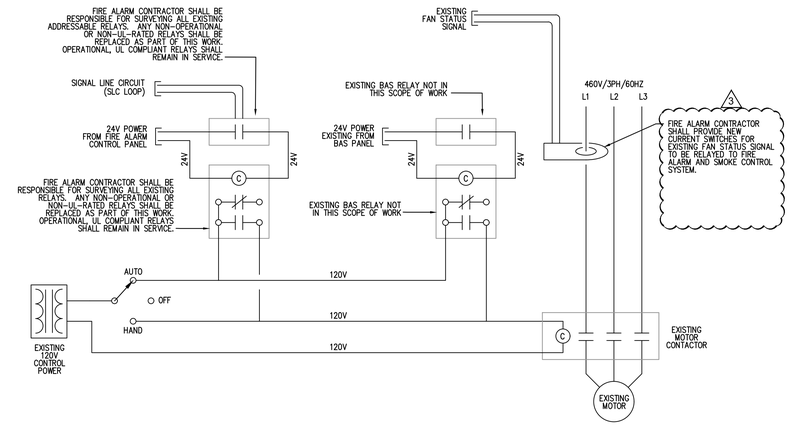
FIRE ALARM AHU SHUTDOWN RELAY DETAIL

N.T.S



ROOF PENETRATION DETAIL

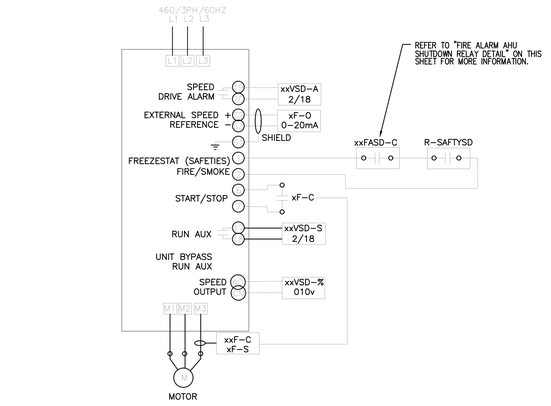
N.T.S



1. FIRE ALARM SYSTEM SHALL COMMAND/MONITOR THE FOLLOWING SMOKE EXHAUST FAN POINTS: START, STOP, FAN STATUS, AND READY (AUTO, NOT IN HAND/OFF POSITION)
2. INSTALL FIRE ALARM RELAYS IMMEDIATELY ADJACENT TO THE FAN STARTERS/DRIVES THEY SERVE.
3. FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE BAS CONTRACTOR AND THEIR DRAWINGS PRIOR TO THE START OF WORK.
4. PROVIDE ANY AND ALL REQUIRED HARDWARE OR ADDITIONAL CT SWITCHES TO ALLOW FOR STATUS MONITORING TO THE FIRE ALARM SYSTEM.
5. PROVIDE ANY AND ALL REQUIRED HARDWARE TO ALLOW FOR FIRE ALARM CONNECTION TO HOA SWITCH.

FIRE ALARM SMOKE EXHAUST FAN RELAY DETAIL

N.T.S



TYPICAL AHU FAN CONTROL DETAIL

N.T.S

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Client:

Orange County Government Florida

Consultants:

EOR Stamp:

TIMOTHY HEDRICK LICENSE No.80037 STATE OF FLORIDA PROFESSIONAL ENGINEER

09/06/2018

Project:

Orange County Convention Center
NS Smoke Control
Design Phase

Location:

9400 Universal Blvd, Orlando FL 32819

Issuance:

BID/PERMIT DOCUMENTS

Revisions:

#	Date	Description
1	04.16.18	
2	09.06.18	PERMIT & OWNER COMMENTS

Date:

05.21.2017

Project Number:

17.OCCC.019

Drawn By:	Checked By:
ME	DL

ELECTRICAL DETAILS

Sheet No.:

E901