



Loudoun County, Virginia

---

Department of Finance and Budget  
Division of Procurement  
1 Harrison Street, SE, 4<sup>th</sup> Floor  
Leesburg, Virginia 20175  
[www.loudoun.gov/procurement](http://www.loudoun.gov/procurement)

December 11, 2020

**NOTICE TO BIDDERS**

**ADDENDUM NO. 7**  
**RFQ 211782**

The following changes and/or additions shall be made to the original Invitation for Bid No. RFQ 211782, Construction of the New Loudoun County Juvenile Detention Center. Please acknowledge receipt of this addendum by signing and returning with your bid.

- A. The acceptance Date for this Invitation for Bid is delayed from 'Prior to 4:00 p.m., December 16, 2020 "Local Atomic Time"' to "**Prior to 4:00 p.m., December 21, 2020 "Local Atomic" Time**."

Delete the public bid opening remote meeting access information in Section 19.1I of the IFB and replace with the following:

Please join my meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/582631429>

You can also dial in using your phone.

(For supported devices, tap a one-touch number below to join instantly.)

United States: +1 (872) 240-3311

- One-touch: <tel:+18722403311,582631429#>

Access Code: 582-631-429

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/582631429>

- B. Delete specification section 236424 in its entirety. Substitute with revised specification section 236424 attached to this addendum.
- C. Delete drawing M2.3 in its entirety. Substitute with revised drawing M2.3 attached to this addendum.
- D. Delete Drawing M6.1 in its entirety. Substitute with revised drawing M6.1 attached to this addendum.

Prepared By: Christopher Bresley Date: 12/11/2020  
Contracting Officer

Acknowledged By: \_\_\_\_\_ Date: \_\_\_\_\_

Attachments:

Attachment 1: Revised specification section 236424  
Attachment 2: Revised Drawing M2.3  
Attachment 3: Revised Drawing M6.1  
Attachment 4: Revised Drawing M0.3  
Attachment 5: Revised Drawing S4.1

## Questions and Answers

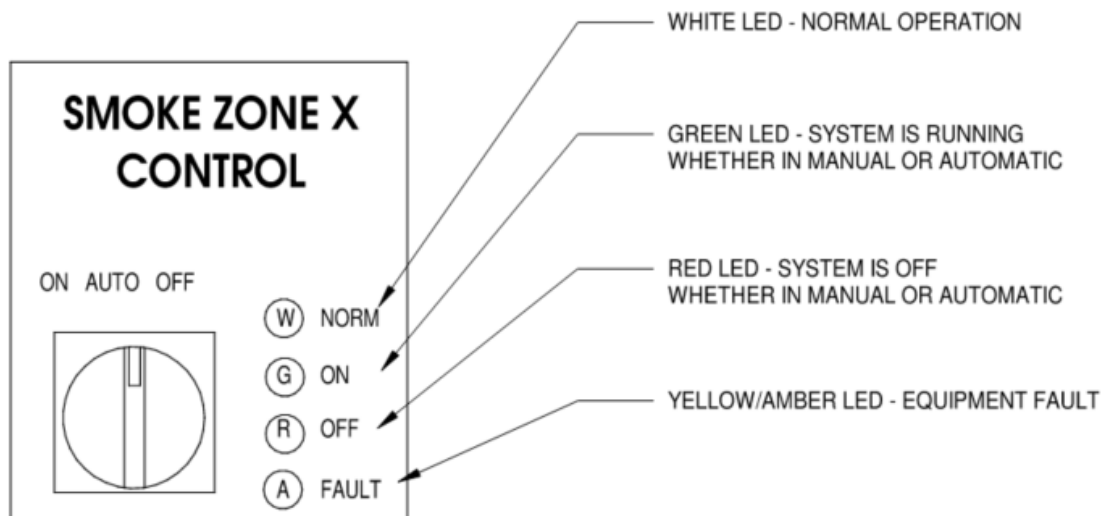
**Question 1:** Drawing FA Spec 283111 2.16 references a Bacnet interface to the BAS, while Spec 283111 2.10 references coordination with 230993 which only indicates a dry contact interface in 230993 3.23. Please confirm the interface required between the FA & BAS systems.

**Answer:** Fire Alarm shall interface with the BAS programming language required by the BAS.

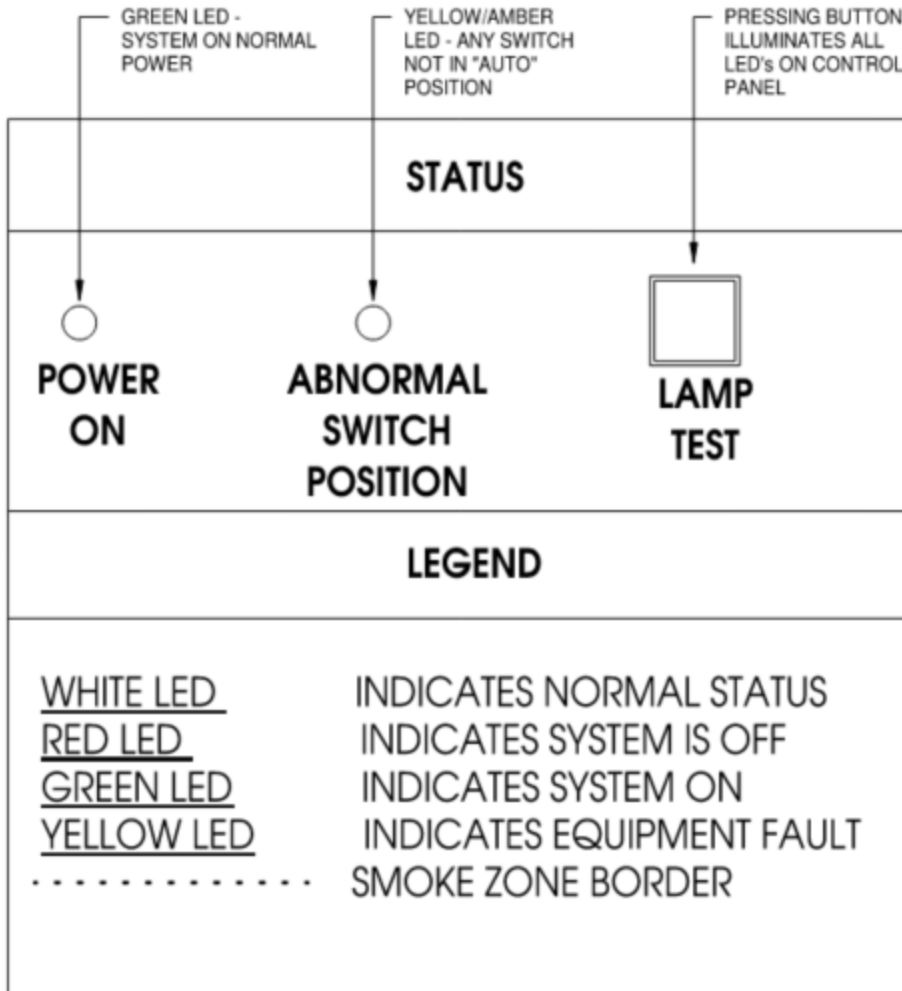
**Question 2:** Details of the Smoke Control panel are missing from dwgs. Please provide information regarding the qty of HOA switches and indicators for eqmt to be reflected on the panel. Does the panel require controls for fans only or do all dampers require individual controls?

**Answer:** Firefighters smoke control panel shall have Zone control switches for each smoke zone within the building. Enclosure shall be recessed welded steel with baked enamel finish. The cover shall be locking and have a full viewing window. The panel shall provide the entire building floor plan and indicate the smoke zones appropriately. All dampers require individual controls.

Typical zone control switch shall be as indicated below.



Smoke Panel main status indication shall be as indicated below.



2

Instructions on the Smoke control panel shall be as follows.:

**OPERATOR INSTRUCTIONS**

**NORMAL OPERATION:**

**KEEP ALL SWITCHES ON "AUTO" POSITION.**

**SMOKE SYSTEM TEST or MANUAL CONTROL:**

**TURN ANY SMOKE ZONE CONTROL TO "ON" POSITION. THIS OPENS SMOKE FAN DAMPERS, ACTIVATES SMOKE FANS AND SHUTS DOWN ASSOCIATED HVAC UNITS FOR THE ZONE. TURN CONTROL BACK TO "AUTO" TO RESET.**

**ROOF TOP CONTROL TEST or MANUAL CONTROL:**

**TURN ANY ZONE MASTER CONTROL TO "OFF" POSITION. SHUTS DOWN ASSOCIATED HVAC UNITS FOR THE ZONE. TURN CONTROL BACK TO "AUTO" TO RESET.**

**Question 3:** Several Dampers & Eqmt noted on the Fire Alarm/Smoke Control Matrix on Dwg M0.3 do not appear to correspond with any eqmt on the floor plan dwgs. Are all of the dampers and fans indicated on the matrix utilized on the project?

This information is required in order to determine the necessary interface eqmt for controls and would impact the smoke control panel to be furnished for the project.

**Answer:** Refer to revised drawing M0.3 attached to this addendum.

**Question 4:** The sub-metering at electrical panelboards does not appear to be clearly defined. The HVAC sequence specification (230993-3.13,21.C-E) calls for a switchboard circuit monitoring provided by the electrical contractor with a communications interface to the BAS and branch circuit monitoring and metering. The switchboard and panelboard specifications (262413 & 262416) do not mention these meters or the interface to the HVAC BAS. Besides the two meters shown on the power riser (E2-1), no meters are shown for (300+) circuits on the panelboard schedules. There also did not appear to be an electrical metering specification section.

1. Besides the two meters noted above that should be provided with an interface to communicate with the BAS, is additional electrical sub-metering required?

2. Will the electrical contractor be responsible for providing an electrical sub-metering system with hardware, software, and network wiring with a BAS interface to communicate with the HVAC BAS?

**Answer:** No additional submetering is required. The Owner meter downstream of the main circuit breaker shall interface with the BAS.

**Question 5:** Reference RFI 54, Addendum 5. The RCP A 9.2 Addendum 5 calls out a 9' H ceiling between dayroom 400 and Y.S. Multipurpose and bulkheads on either side at 9' 2" H. Given that the CAP SLAB is at 10' 10" H, we request the ceiling height for this area to moved to 9' 2" H and to eliminate the bulkhead entirely. Please confirm this acceptable. Please provide an East Elevation for Dayroom 400 and a West Elevation for Room Y.S. Multipurpose 414 to show the ceiling conditions between the two rooms.

**Answer:** Provide ceilings and bulkheads in accordance with the Contract Documents.

**Question 6:** Reference RFI 52, Addendum 5. RFI 52 confirmed that there are no cap slabs in sleep rooms 401 through 412. The RCP A9.2 has been revised, however, details 17,18, & 19/S4.1 need to be revised according to RFI Response 52. Please revise these details.

**Answer:** Refer to revised drawing S4.1 attached to this addendum.

**Question 7:** Confirm which discipline is responsible for furnishing the Smoke Control panel indicated on Dwg E2.3.

**Answer:** The Contract Documents do not stipulate how subcontractors are to be allocated to the project. Typically, this would be provided by the Fire Alarm subcontractor.

**Question 8:** M0.2 was issued in Addendum 1 and it clarifies that M0.2 & M0.3 do not correlate. We are assuming that M0.3 is incorrect, as it indicates 3 Smoke Compartments - there is no eqmt on M0.2 that references more than 2 Smoke Compartments. Please confirm.

**Answer:** Refer to revised drawing M0.3 attached to this addendum.

**Question 9:** Addendum #6 clarified the site is unclassified to subgrade however, the line regarding rock to be included in the base bid was struck through. Is the intent for the site to be unclassified to subgrade with the exception of rock which is classified?

**Answer:** Line 1.5-D was deleted from specification section 312000 because rock is included in line 1.5-A and 1.5-B.

**Question 10:** Are there any previous borings that can be shared with us for the sanitary line work off site? If it turns out that the site is unclassified to subgrade except for rock which is classified, then this information is not necessary.

**Answer:** There are no borings for the off-site sanitary line work.