

1. The abbreviations legend for the equipment scheduled is indicated below:

VV= VA PROVIDED, VA INSTALLED

VC=VA PROVIDED, CONTRACTOR INSTALLED

CC=CONTRACTOR PROVIDED, CONTRACTOR INSTALLED

Mortuary refrigerator is by VA and contractor installed...in specs  
Scizzor lift will be provided by VA

2. Are the five (5) projects "total" a dollar magnitude greater than \$4M, or are the five (5) projects to be minimum of \$4M each?  
**Answer:** The five (5) projects are to be a minimum of \$4M dollars each
3. The electrical drawings state that MC cable is acceptable, but the specifications do not. Is MC cable acceptable for all branch circuit wiring?

**RESPONSE:**

Per General Note #15 on Sheet E-001, all conduit shall be RGS or EMT unless noted otherwise. The exceptions are: FMC shall be used on vibrating equipment (maximum length of six feet), LFMC shall be used on vibrating equipment where located outdoors (maximum length of six feet), PVC shall be used underground or where concrete encased. It is allowed

(per Specification 26 05 33 3.3 B 4) to use FMC to make final connections to a light fixture above ceilings (maximum of six feet), and to use IMC for conductors 600V and below where exposed (see Specification 26 05 33 3.4 C). Types permitted are GRS, IMC or EMT, depending on location. Standard MC cable is not allowed except as noted above.

4. Is conduit required of the following systems wiring or is open cabling permitted: duress panic, intercom, CCTV & nurse call. Drawing T-502 indicates that conduit is not required.

**RESPONSE:**

The following systems shall have conduit run to the cable tray per the construction document:

1. Duress Panic Alarm.
2. Door Intercom
3. MATV.
4. Nurse Call System.

5. Drawing T-502 indicates that conduit is required for all card access and PAC's wiring; is that the case?

**RESPONSE:**

Yes, the following systems shall have a complete conduit system per the construction document:

1. CCTV: Minimum ¾ inch
2. PACS: Minimum 1 inch

6. Is there any geo-tech information that can be provided for the new electric and communication duct banks?

**RESPONSE:**

The current available geotechnical information can be found in the Final Soils Report provided to the VA.

7. Will the MATV system wiring be required to be installed in conduit? If so, what sizes will be required?

**RESPONSE:**

Yes, MATV wiring shall have a conduit run to the cable tray per the construction document.

From Specifications 28 05 28.33 (paragraphs 2.1.A and 2.2.C) Conduit Size shall be in accordance with the NEC and no less than 20 mm (3/4 inch) with a maximum size not to exceed 105 mm (4 inches).

## **SECTION 23 09 23, DIRECT-DIGITAL CONTROL SYSTEM FOR HVAC**

8. Page 1,

### 1.1 DESCRIPTION

A. Connect the new building temperature control system to the data outlet to integrate into the existing temperature control network through the IT fiber.

**Question:**

What is the existing temperature control system?

**Response:** Johnson Controls, Confirm with the COR.

Who provides the IT fiber router?

**Response:** Fiber router is by the VA. Confirm with the COR.

Who provides the fiber cabling to the buildings?

**Response:** Fiber cabling between buildings is by Division 27.

9. SECTION 23 09 23, DIRECT-DIGITAL CONTROL SYSTEM FOR HVAC  
Page 5

E. This facility's existing direct-digital control system is manufactured by [?????], and its ECC is located at [?????]. The existing system's top-end communications is via BacNet. The contractor administered by this Section of the technical specifications shall observe the capabilities, communication network, services, spare capacity of the existing control system and its ECC prior to beginning work.

1. Leave existing direct-digital control system intact and in place. Provide a new ASHRAE Standard 135 BACnet-compliant ECC to fully communicate with the existing ECC system, and provide a new standalone BACnet-compliant control system serving the work in this project. Full interoperability is required.

**Question:**

What is the existing direct-digital control system?

**Response:** Johnson Controls, Confirm with the COR.

Where is the ECC located at?

**Response:** Confirm the ECC location with the COR.

Is the existing direct-digital control system ASHRAE Standard 135 BACnet-compliant?

**Response:** Confirm existing control system BACnet compliance with the COR.

When can I inspect the existing direct-digital control system?

**Response:** Coordinate a site visit with the COR.

To provide a bid, and a full interoperable system I must inspect the existing ECC & the existing direct-digital control system.

**Response:** Coordinate a site visit with the COR.

10. All requests for brand name or "equal products", approved alternate products will only be made following the award of this project during the submittal phase.
11. All products used on this project 596-332 must be "made in America", unless an exception has been approved by the Contracting Officer. This request shall only be made following the award of Project 596-332 during the submittal phase.