

**SUPPLEMENTARY INSTRUCTIONS TO A/E  
FOR  
SECTION 28 23 00 - VIDEO SURVEILLANCE SYSTEM  
BASED ON DFD SPECIFICATION MASTER DATED 2/01/19  
SUPPLEMENTARY INSTRUCTIONS DATE: 03/01/21**

Notes to A/E:

This document supplements the subject specification section and is intended as an aid to A/E understanding of agency-specific guidelines.

This document IS NOT to be included with Bid Documents.

Content includes the delineation of responsibilities for furnishing and installation of cabling, equipment, and support hardware as identified in Part 1 Article “SCOPE” of the specification, and various product and execution requirements.

Modify specification content to match the particulars of the project as applicable.

Coordinate the project design and specification content with Agency contact organization(s) as noted. Consult with DFD if needed to identify agency contacts.

This document includes guidance for the following agencies:

- Department of Corrections
- University of Wisconsin – Madison campus

Revision History:

In the on-line “DFD Document Library” Under “Master Specifications/Design Guidelines / 28 – Electronic Safety and Security”, see “Division 28 Revision History”.

## **For Department of Corrections projects**

Coordinate with DOC Bureau of Technology Management (BTM).

### **SCOPE**

Edit specification Section 28 23 00 Article "SCOPE" to identify contractor responsibilities as follows:

#### **Agency-furnished, Contractor-installed**

Cameras  
Camera Housings  
Camera Mounts  
Camera Power Supply/Supplies (if other than Power-over-Ethernet)  
Display (Monitor) and related cabling

#### **Contractor-furnished, Contractor installed**

Equipment Racks  
Camera Rough-in  
Cabling - Signal and Camera Power (if applicable)  
Cable Pathways  
Cable Support Hardware  
Display (Monitor) Mount and related support hardware  
Patch Cords – Copper

#### **Agency-furnished, Agency-installed**

Network Electronics (Routers, switches, etc.)  
Recording Equipment, related hardware and software  
Patch Cords – Fiber Optic

### **MISCELLANEOUS**

Coordinate with Division 26 and 27 designers to consider the following:

- Means of Camera Support are especially important in Corrections projects. All surface types (solid, suspended ceiling, wall, etc.) should be considered. Confirm requirements with Agency contact.
- DOC preference is for Outdoor and PTZ cameras to be powered using PoE or other manufacturer-specific means. Use surge arrestor as close as practicable to where cabling enters the building.
- UTP is default cable type.
- 4-pair Cable Jacket Color: GREEN
- Terminate 4-pair cable at Camera locations in 8P8C Modular Plug.
- Horizontal cabling designated for video surveillance (cameras) shall be terminated at the Horizontal Cross-connect on Modular Patch Panels.

Panels shall be dedicated for video surveillance and NOT shared with other 4-pair horizontal cabling.

- Assume Monitors to be 24-inch Flat Panel Display. Exact make/model shall be identified by the Agency prior to construction.
- Media Converters, and Video Encoders and other Analog Video Equipment are typically not applicable to DOC projects. Exception is where additions to legacy equipment are included.

***End of Dept. of Corrections project instructions.***

## For University of Wisconsin – Madison campus projects

Coordinate with UW DoIT and Campus Police.

Refer to the University of Wisconsin – Madison campus “Technical Guidelines” identified in REFERENCES below for the latest information on campus policy, product requirements and other important information.

### SCOPE

Edit specification Section 28 23 00 Article “SCOPE” to identify contractor responsibilities as follows:

#### Agency-furnished, Contractor-installed

Cameras  
Camera Housings  
Camera Mounts

Camera Power Supply/Supplies (if other than Power-over-Ethernet)

#### Contractor-furnished, Contractor installed

Camera Power Supply/Supplies (if other than Power-over-Ethernet)  
Camera Rough-in  
Cabling - Signal and Camera Power (if applicable)  
Cable Pathways  
Cable Support Hardware  
Patch Cords – Copper

#### Agency-furnished, Agency-installed

Display (Monitor) and related cabling  
Network Electronics (Routers, switches, etc.)  
Display (Monitor) Mount and related support hardware  
Recording Equipment, related hardware and software  
Patch Cords – Fiber Optic

### REFERENCES

To the list of applicable standards, Add the following:

- University of Wisconsin – Madison campus Technical Guidelines; <https://cpd.fpm.wisc.edu/technical-guidelines/>; Division 28 – Security.

### CAMERAS

In Article “General”,

Cameras, camera housings and camera mounts shall be furnished by the Agency for installation by the Contractor. For purposes of bidding, the following makes/models should be assumed:

- Camera Type 1: AXIS exterior PTZ; Q6045 MKII with T94A01L recessed mount.
- Camera Type 2: AXIS interior FIXED; P3367-V

### MISCELLANEOUS

Coordinate with Division 26 and 27 designers to consider the following:

- UTP is default cable type. Specify F/UTP for outdoor cameras. Use surge arrestor as close as practicable to where cabling enters the building.
- 4-pair Cable Jacket Color: To match other Horizontal “Data” cabling on project.
- Terminate 4-pair cable at Camera locations in 8P8C Modular Jack. (default). Instances may occur where termination in a Modular Plug are preferred. Confirm with campus contacts identified above.
- Modular Jack Color: To match other Horizontal “Data” cabling on project.

- Horizontal cabling designated for video surveillance (cameras) shall be terminated at the Horizontal Cross-connect on Modular Patch Panels.

Panels shall be shared with other 4-pair horizontal cabling.

***End of UW – Madison Campus project instructions.***