

**DIVISION OF FACILITIES DEVELOPMENT AND MANAGEMENT
MASTER SPECIFICATIONS/DESIGN GUIDELINES
DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

REVISION HISTORY

(3/01/2023 Updates)

The following is provided as an aid to designers and contractors in understanding changes to DFD Master Specifications and Design Guidelines. Dates are those included on the initial page of each section. Miscellaneous grammatical and spelling corrections are not listed.

SECTION 28 05 37 - EMERGENCY RESPONDER RADIO COVERAGE SYSTEM

03/01/23

(Replaces version dated 3/01/21)

- In Article RELATED WORK, Added reference to specification Section 28 31 00 – Fire Detection and Alarm
- In Article REGULATORY AND STANDARDS REFERENCES, Added National Fire Protection Association (NFPA 72).
- In Article INSTALLATION, Edited “Pathways” to include “2-hour-rated cable” as an option to a rated enclosure for Backbone Cables.
- In Article ACCEPTANCE TEST PROCEDURE:
 - Added testing requirement for “Fire Alarm Annunciator Panel (FAAP) notification of ERRCS amplifier failure points”.
 - Added direction to “Coordinate with AHJ” the Receive Signal Level and Delivered Audio Quality (DAQ)”.
- Miscellaneous formatting, terminology and grammatical changes.

SECTION 28 10 00 – ACCESS CONTROL SYSTEM

03/01/23

(Replaces version dated 3/21/22)

- In Article SCOPE and PART 3 Article COORDINATION, Added direction for projects where Central Equipment, Credential Data Base, Badging, etc. is administered in Madison by the State Capitol Police.
- Modified Editing Instructions to clarify required content and format of Class 1 Notice.
- In PART 2 Article CABLING, added direction to use consistent wire colors throughout the project for field device and other connections.
- In PART 3 Article COORDINATION, added direction to “provide support to agency for updates to central equipment and software as required to add the new components to the overall system”.
- In Part 3 Article INSTALLATION, edited “ Network” content to include direction to “configure IP address & other settings”.
- In PART 3 Article DOCUMENTATION, expanded content to clarify requirements.
- Miscellaneous formatting, terminology and grammatical changes.

SECTION 28 23 00 – VIDEO SURVEILLANCE SYSTEM

03/01/22

(Replaces version dated 3/21/22)

- Modified Editing Instructions to clarify required content and format of Class 1 Notice.
- In PART 2, expanded Editing Instructions to clarify “Sole Source” and “Basis-of-Design” designations and implications.
- In PART 2 Article CAMERA INSTALLATION, Added suggestion to consider adding a reference to “Positioning and Lens Adjustment – Preliminary” on project drawings.

SECTION 28 23 00 – VIDEO SURVEILLANCE SYSTEM - INSTRUCTIONS

03/01/21

No updates to this document.

SECTION 28 31 00 - FIRE DETECTION AND ALARM

03/01/23

(Replaces version dated 3/21/22)

- Modified Editing Instructions for section.
- In Article SCOPE:
 - Added content covering Mass Notification System option.
 - Modified Editing Instructions to clarify required content and format of Class 1 Notice.
 - Added options for “Description of Work” content.
 - Expanded content relating to integration of new system to existing Fire Alarm Loop fiber optic cabling.
 - Expanded content relating to a “Remote Fire Command Center (RFCC)”.
 - Deleted content re: “Two Way Fire Fighter Communication”.
- Added Article RELATED WORK.
- In Article REGULATORY REQUIREMENTS, Added “UL 2572 Mass Notification Systems” and “US ARMY CORPS of ENGINEERING UFGS 28 31 76 Interior Fire Alarm and Mass Notification System, Addressable”.
- In Article SEQUENCE OF OPERATION, expanded directions where system is “existing to remain”.
- Removed miscellaneous directions to add “NAME(S) OF FACILITY OR FACILITIES”.
- Modified Article PLAN REVIEW adding “FOR FIRE ALARM SYSTEMS” and making significant additions and deletions.
- In PART 3 Article SILENCING, clarified operation.
- In PART 3 Article BYPASS FUNCTIONS, updated content.
- In PART 3 Article AHU SYSTEM INTERFACE, removed AHU and FAN configuration directions.
- Added PART 3 Article SPRINKLER PRE-ACTION SYSTEM INTERFACE.
- Edited PART 3 Article DAS SUPERVISORY SERVICE to relate “DAS” with “EMERGENCY RESPONDER RADIO COVERAGE SYSTEM” (ERRCS) to match related section. Updated content to reference the “ERRCS”.
- In PART 3 Article VOICE MESSAGE SCRIPTS FOR ONE-WAY EMERGENCY VOICE SUB-SYSTEM (prev. “TRANSCRIPTS”), clarified contractor responsibilities and added script categories.
- In PART 3 Article OPERATION: ONE-WAY VOICE COMMUNICATIONS, edited content including significant additions and deletions.
- Added Editing Instructions for PART 3 Article TWO-WAY FIRE FIGHTER COMMUNICATION SYSTEM.
- Edited PART 3 Articles FIRE COMMAND CENTER and REMOTE FIRE COMMAND CENTER , adding and re-organizing significant content.
- Added PART 3 Article ANIMAL CARE AREAS.
- Added PART 3 Article MASS NOTIFICATION SYSTEM.
- Added PART 3 Article TEXTUAL DISPLAY SIGNS.
- Deleted PART 3 Article FREE AIR WIRING.
- In PART 3 Article CONDUCTORS, Delete content re: “Type FPL wiring” and “Type FPL”.
- In PART 3 Article TESTING, added requirement to involve “Authorized Commercial Building Inspector” and to include receipt of “spare parts” in owner confirmation.
- In PART 3 Article TRAINING, replaced references to records on “DVD” to reference “an Agency-approved video format”.
- Miscellaneous formatting, terminology and grammatical changes.

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