

REQUIREMENTS FOR THE SUBMITTAL OF 2-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEMS

Effective: December 2, 2019

Montgomery County Department of Permitting Services (DPS) 2425 Reedie Drive, 7th Floor Wheaton, MD 20902 Phone: 240-777-0311 Montgomery County Department of Permitting Services

A. PERMIT PROCEDURES

1. Permits and submittals are required for all work. All information shall be submitted electronically using DPS eServices. You are required to indicate if the system is non-required by the building and/or fire codes.
2. Include any fee due at the time of submission.
3. The contractor listed on the permit application will be notified at the completion of the plan review automatically by the eServices system.
4. For projects within the City of Gaithersburg, contact their Fire Marshal at (301) 258-6330.
5. For projects within the City of Rockville, contact their Fire Marshal at (240) 314-8240.

B. GENERAL SUBMITTAL REQUIREMENTS

1. The scope of work shall be clearly noted on the plans and in the supporting documentation.
2. All information submitted for review shall be consistent with the approved architectural plans (as applicable) and shall be reflective of intended field conditions.

C. DRAWINGS

Each sheet to be uploaded as a single file into the Drawings folder of ePlans in landscape format.

1. Project name and address (include all addresses if more than one building).
2. Project owner's name and address including zip code (tenant for tenant work; building owner for shell buildings).
3. Building construction permit number and base building fire alarm permit number (where applicable).
4. Contractor's name, address, telephone number, & contact person.
5. Symbols & abbreviations key.
6. Minimum scale for floor plans is 1/8" per foot.
7. Location of all equipment to be installed with system(s).
8. Location of all partitions and doors.
9. Rating of any fire walls, partitions, floors, enclosures, etc.
10. Location of the main fire alarm control panel.
11. Modeling of the projected signal strength throughout the building.
12. The presence of 2-way wired in-building communication system (fire fighter's telephones).
13. Location of dedicated DAS monitoring panel

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D. EQUIPMENT – To Be Uploaded into the Documents Folder of ePlans

1. Include catalog cuts and listings for all equipment to be used.
2. For system additions, submit existing equipment catalog cuts for coordination and to check compatibility.
3. Annotate all catalog cuts to show exact model(s) to be used.
4. Provide the name of the Professional Engineer responsible for system design and evidence of qualifications.

E. WIRING DIAGRAM / RISER DIAGRAM

1. Provide a point-to-point diagram showing all terminal connections at devices and panel(s).
2. Typical circuits or devices may be shown once.
3. Where applicable, include specific information describing how survivability requirements are being met with the wiring/riser diagram.
4. Show all devices and panels.
5. Provide all wire counts and circuit classifications.

F. SEQUENCE OF OPERATIONS

1. Describe how the system will interface with the building fire alarm. Specific information must include annunciation of signals on the required monitoring panel and the main fire alarm control panel.

H. CALCULATIONS

1. Provide secondary power supply calculations demonstrating compliance with all applicable codes and standards. The system shall be capable of operation at 100% capacity for not less than 12 hours and shall describe the means by which this is accomplished.

I. TESTING PLAN

1. Provide a detailed written testing plan that includes, at a minimum, the following information:
 - a. How the testing will be conducted
 - b. Who will oversee the testing
 - c. What equipment will be used in the testing
 - d. How DAQ (Harvard Sentences) will be determined
 - e. The testing area parameters
 - f. The documentation the testing will produce
 - g. The name and qualifications of the supervising design and testing engineer