

MEMORANDUM

TO: Distribution

RECOMMENDED BY: Thomas Hayden, Chief
Fire Prevention Division
Office of Fire Marshal

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Division of Planning and Engineering
Office of Engineering and Construction

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DATE: December 16, 2019

SUBJECT: Planning and Engineering Guidelines and Standards (PEGS)
Supplement Number: PEGS-19-004
A. Fire Suppression Systems
B. Occupancy Capacity Calculations
C. Secondary Entrance Door Identification
D. Codes and Standards

Effective immediately, the following modification shall be made to the MDOT MAA 2019 PEGS Manual:

A. Volume 3, Life Safety – Chapter 2, Fire Prevention and Protection

Insert the following paragraphs to Subsection, 2.6.1, General, Section 2.6, Fire Suppression Systems:

- H. Fire sprinkler shop drawings shall follow NFPA 13 requirements for submittals. The shop drawings shall also include the following:
1. The geographical location of sprinkler zone control valve(s) and flow switch locations for new and existing devices.
 2. The fire alarm address of the existing zone valve tamper switch and the flow switch.
- For location assistance designers/contractors should contact OFM or MAA Office of Utilities.

- I. Listed sprinkler head guards shall be installed per NFPA 13 requirements and are required for all sprinklers that meet any of the following conditions.
 1. All sprinklers in baggage areas, spaces with low ceilings, industrial/mechanical spaces, electrical rooms, telecommunications rooms, and rack storage regardless of height.
 2. All sprinklers that are at or less than 7'-6" above the finished floor.
 3. All sprinklers that are subject to damage from a power-driven source such as a forklift or baggage tug.

The OFM inspector will determine if any additional sprinkler guards are required at the time of final inspection due to field conditions.

B. Volume 3, Life Safety – Chapter 2, Fire Prevention and Protection

Insert New Section 2.8.5 Occupant Capacity Calculations

2.8.5, Occupant Capacity Calculations

OFM will need to obtain square footage calculations to determine occupant load capacity numbers. These numbers will require the gross and net floor areas to be provided to OFM. The gross floor area is within the inside perimeter of the outside walls of the building or area under consideration with no deductions for hallways, stairs, closets, elevators and building service shafts, or other features, but excluding floor openings associated with atriums and communicating shafts. The net floor area is the actual occupied area not including unoccupied accessory areas such as corridors, stairways, ramps, toilet rooms, mechanical rooms, closets, wall cavities and columns. The consultant shall provide OFM with both gross and net floor area calculations.

C. Volume 3, Life Safety – Chapter 5, Signage and Graphics

Insert New Section 5.3 Secondary Entrance Door Identification Signage

5.3 Secondary Entrance Door Identification Signage

Secondary entrance doors are defined as an entry/exit door normally located at the rear of an occupied space or property. These secondary doors include mercantile and food concessions, airline spaces, offices, storage rooms, etc. Occupants of spaces and properties are responsible for installing identification signage on secondary doors to aid in emergency dispatch. The signage shall provide the occupant tenant or business name so that first responders can quickly locate the correct space. This requirement is applicable to all BWI Marshall and Martin State Airport buildings.

1. Signage may be constructed of vinyl, plastic, or aluminum, and must be permanently installed and readily visible.
2. Door identification signs shall be located on the wall adjacent to the door or on the door at a mounting height of 60-inches from the floor to the center of the identification sign.

3. Signage installed on fire rated doors shall be permitted provided it does not exceed 5% of the fire area of the face of the door. Signage shall only be installed with adhesive. Attaching a sign using screws, nails or other methods is prohibited. Signage shall not be installed on glazing material on fire doors or non-rated doors or be installed anywhere that may impair or interfere with the proper operation of the door.
4. Minimum signage size shall be 6-inches by 6-inches. Signs shall be text based with a minimum font size of 72 (1-inch). The use of brands or corporate logos are not permitted.

D. Volume 3, Life Safety – Appendix 3B.1, Adopted Codes and Standards

- *Update State of Maryland Fire Prevention Code edition from 2015 with State Fire Code amendments/modifications effective 1/1/2016 to the State of Maryland Fire Prevention Code, Amended effective October 7, 2019.*

Consultants listed herein are required to distribute this PEGS standard supplement to their respective staff and subconsultants.

If you believe this standard supplement conflicts with any other codes or regulations or if you should have any questions regarding this matter, please contact the Chief, Office of Fire Marshal at (410) 859-7482.

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