

I. GENERAL

- A. Fire lanes shall be provided for as described in Section II.
- B. Fire service sprinkler system features, standpipes, and fire alarm systems shall be provided for as described in Section III.
- C. Fire extinguishers shall be provided for as described in Section IV.

II. FIRE LANES AND ACCESS ROADS

- A. Fire department access roads shall extend within 150 feet of all portions of the exterior walls of the first story of the building unless otherwise approved. Exceptions shall be made in accordance with Section 503.1.1 of the North Carolina Fire Prevention Code.
- B. Minimum horizontal clearance along a fire lane or access road shall be twenty feet.
- C. Installation of any gate or barricade placed in a fire lane or access road that reduces the size of the fire lane or access road below the minimums in II.B above must be approved by the University Fire Marshal.
- D. Minimum vertical clearance along a fire lane or access road shall be thirteen feet and six inches.
- E. Fire lanes and fire access roads must be able to support a minimum fire apparatus weight of 86,000 pounds.
- F. Dead-end fire lanes in excess of 150 feet shall be provided with an approved area for turning around fire apparatus. This turning area shall be no less than 55 feet.
- G. Signs shall be provided for fire lanes along or with direct access from a public street. Signs shall not be provided for designated fire lanes along pedestrian paths, where the designated fire lane is protected by a barricade as described in section II.C.
 - 1. Signs shall be at least 12" x 18" in size, with text reading "NO PARKING – FIRE LANE". These signs shall be placed at 50 foot intervals along the designated fire lane and at the designated turning area described in section II.F.
- H. Pavement markings shall be provided at the access point of a designated fire lane or access road along a pedestrian path, where the designated fire lane is protected by a barricade as described in section II.C. Pavement markings will indicate "NO PARKING – FIRE LANE", allowing for the entry of fire apparatus from the public right-of-way.

III. SPRINKLER SYSTEMS, STANDPIPES AND ALARM SYSTEMS

- A. Fire department connection (FDC) locations shall be approved by the University Fire Marshal in consultation with the Chapel Hill Fire Department.
- B. Buildings equipped with a fire sprinkler system or standpipe system must be equipped with Post Indicating Valves (PIVs).
- C. FDC locations and PIVs shall be identified with a sign stating "FDC" or "PIV", where appropriate, and must indicate the name of the building served by the connection or valve. All text shall be white on a red background. The "PIV" or "FDC" designation shall be no less than 8" in height.
- D. FDCs shall be provided with at least 3 feet of space on all sides.

- E. Directional signage shall be provided for FDC and PIV locations where the sign in section C is obscured from the fire lane or access road.
- F. Fire alarm panels or equipment should not be co-located in spaces with other uses (e.g., housekeeping closets, communications closets).
- G. Rooms containing the fire alarm panel shall be identified with a sign indicating “FACP”, with letters no less than 6” in height.
- H. Where required by code, a Fire Command Center will be provided at a location approved by the University Fire Marshal and Chapel Hill Fire Department. This location will be constructed in accordance with Section 508 of the North Carolina Fire Prevention Code.

IV. FIRE EXTINGUISHERS

- A. The purchase and installation of fire extinguishers shall be included as a part of the cost of each project.
- B. Fire extinguishers installed within recessed or semi-recessed cabinets along a hallway or path of egress shall be provided with a sign visible from both directions along the path of egress.
- C. Fire extinguishers shall be distributed in accordance with Section 906 of the North Carolina Fire Prevention Code. With respect to fire extinguishers, University buildings shall be considered at least an Ordinary hazard occupancy unless otherwise designated by the University Fire Marshal.
- D. Given the requirement in Section IV.C above, fire extinguishers shall be required to be installed, even where not required explicitly by code due to the installation of quick-response sprinkler heads.
- E. Fire extinguisher layout and distribution plans shall be submitted to the University Fire Marshal for review and approval prior to construction.
- F. Amerex brand fire extinguishers are preferred for compatibility with existing University fire extinguisher maintenance programs.