

FIRE-PROTECTION DESIGN BASIS

Building 100 emergency-vehicle access | Alignment determination | 12 July 2027

DETERMINATION. The H-03 north-south alignment is approved as the acquisition basis and is not laterally relocatable to accommodate unrelated sitework. A proposed departure requires a new qualified fire-protection analysis and written approval before it may be used.

Basis

- Building 100 exceeds 5,000 square feet. UFC 3-600-01, section 9-1.1, therefore requires at least one means of all-weather ground access for unimpeded emergency-vehicle access.
- The access surface must start from a road and terminate no farther than 33 feet from an exterior door accessible for fire-department ingress. H-03 places the lane's east pavement edge 28 feet from the designated west-side ingress door.
- UFC 3-600-01, section 9-1.3, requires fire-lane and turnaround dimensions to comply with NFPA 1 and requires vehicle access to be coordinated with the installation or responding fire department.
- The approved 24-foot clear envelope and turning apron fit the installation's apparatus template. The engineered all-weather aggregate surface is accepted for this remote site subject to the geotechnical, drainage, compaction, and final apparatus tests in H-02.
- The existing roadway tie-in, west ingress door, grade, drainage outlet, hydrant connection, apparatus maneuvering, and snow-storage clearances jointly fix the lateral position shown in H-03.

Required disposition of conflicts

Do not move the fire lane merely because another project proposes fixed security sitework in the same corridor. Preserve the H-03 road envelope and bring any competing barrier or site design back to the responsible security, civil, fire-protection, and contracting officials for coordinated revision before award or reliance.

Approval

INSTALLATION FIRE CHIEF: /s/ Vulcan Raven, GS-13, DAF, Fire Emergency Services (713 CES)

DATE: 12 July 2027

DFPE APPROVAL: /s/ Natasha Romanenko, PE, DAF Designated Fire Protection Engineer

DATE: 13 July 2027

Authority trail

UFC 3-600-01, Fire Protection Engineering for Facilities, Change 6 (6 May 2021), sections 1-3, 9-1.1, 9-1.3, and 9-1.4. The UFC is mandatory DoD technical criteria for this facility; it is not presented here as a separate Act of Congress.