

## **Vehicle Operations Parking Shed. FAC: 4422**

CATCODE: 214428

OPR: AF/A4LE

OCR: AFCEC/COS

1.1. **Description.** This facility is a shed-type, unheated parking building structure that is provided for certain essential vehicles in areas of heavy snow or abnormally high heat.

1.2. **Requirements Determination.** Unheated sheds are needed for essential vehicles in areas of heavy snowfall (an average annual snowfall of more than 610 mm [24 in]), or abnormally high heat (an average daily maximum temperature above 31°C [188°F]). The provision of sheds for loaded refueling vehicles requires AF/A4LE approval.

1.3. **Scope Determination.** The space requirement is the minimum required to accommodate essential vehicles. Planning is based on 9.3 m<sup>2</sup> (100 ft<sup>2</sup>) per 1.0 vehicle equivalent. See AFI 23-302 for additional guidance. For refueling vehicles, allow no more than four refueling vehicles per shed and provide 2.4 m (8 ft) of separation between vehicles. Maintain 30 m (100 ft) of separation between storage sheds and adjoining structures.

1.4. **Dimensions.** See **paragraph 1.3.** above.

1.5. **Design Considerations.** Provide adequate natural ventilation, floor drainage, and automatic dry pipe, closed head, sprinkler protection to further reduce hazards related to fuel spillage. Consider discharging floor drains to an oil water separator.