

RAPCON Vault (GCA Vault). FAC: 8927

CATCODE: 134338

OPR: AFFSA

OCR: AFNIC, AF/A3O

1.1. **Description.** The vault furnishes an underground location for the transformer power line connectors, etc., that provide electrical power to the RAPCON and GCA facilities.

1.2. **Requirements Determination.** See RAPCON Support Building (CATCODE 134341).

1.3. **Scope Determination.**

1.3.1. **Semi-Fixed Facility.** A semi-fixed facility is a fiberglass shelter 7.3 m by 9.5 m (24 ft by 31 ft), 69 m² (744 ft²), mounted on concrete foundations. It is a removable asset but not transportable. Radar and communication data is routed into the shelter by microwave/cable. Although the shelter is an efficient operations facility, a support building is necessary to provide a complete facility.

1.3.2. **USAF Mobile Facilities.** Mobile facilities are trailer-mounted shelters containing all antennas, radars, voice communications, and operations equipment. The shelters can be temporarily set up on existing terrain. For long-term employment, a pad adjacent to the runway is required. Due to space limitations and potential isolation, a separate support facility is necessary. Siting of the mobile facility and support facility may require a waiver from the standard airfield criteria. See Chapter 6 on relocatable facilities of AFI 32-1021, *Planning and Programming Military Construction (MILCON) Projects*, and Section 13 of UFC 3-260-01 for further information on deviations from criteria for airfield support facilities.

1.4. **Dimensions.** Consult *Air Traffic Control Tower and Radar Approach Control Facility Design Guide* for additional guidance.

1.5. **Design Considerations.** For latest information and drawings, plans, utility, siting, and electronic requirements, consult AFFSA.