

FCC 17901 COMBINED ARMS COLLECTIVE TRAINING FACILITY (CACTF)

The CACTF is a training facility designed to conduct multiechelon, full-spectrum operations training up to battalion Task Force (TF) level. The CACTF replicates an urban environment, and the facility consists of 2.25 square kilometers of urban sprawl with 20 to 26 buildings, roads, alleys, parking areas, underground sewers, parks, athletic fields, and command and control building. The actual size and configuration of the CACTF depends on the local installation site requirements. The CACTF is designed to support heavy and light infantry, armor, artillery, and aviation positioning and maneuver. The CACTF will accommodate force-on-force (FOF) and force-on-target (FOT) training.

Primary features include—

- 1 school.
- 1 church/cemetery.
- 1 police station/jail.
- 1 hotel.
- 8 residences.
- 4 businesses.
- 1 townhouse.
- 1 bank.
- 2 warehouses.
- 1 government building.
- 1 office.
- 1 service station.
- Tunnel/sewer system.

Additional (Expansion) Training Features—

- Mock airfield facilities.
- Shanty town.
- Military/POW compound.
- Farmhouse.
- Junkyard.
- Radio station.
- Mock power station.
- Clinic.

Targets:

- 30 human urban targets (HUTs)(interior building use).
- 15 stationary infantry targets (SITs) (recommend RF/reconfigurable).
- 9 stationary armor targets (SATs) (recommend RF/reconfigurable).

Associated range operations and control facilities:

- CACTF, Range Operations Center/After action review building (17123).
- Operations/storage building (17122).
- Latrine (73075).
- Covered mess (17116).

All targets are fully automated, using event-specific, computer-driven target scenarios and scoring. Targets will receive and transmit data from the range operations center. The captured data is then compiled and available to the unit during the after action review. The HUTs are life-like precision targets that have reconfigurable plug and play capability.

CACTF

Camera Coverage Requirement:

All buildings/rooms have camera and target outlets available (100% coverage). The facility will receive enough cameras to view 80 percent of the rooms within 80 percent of the buildings for AAR purposes. All cameras are plug and play, therefore they may be relocated within the buildings for coverage in any preferred room; considerations must be given to hallways and stairwells. Outside cameras are provided to cover the primary avenue of approach into the CACTF, unit tactical movement, and safety in and around the facility. A methodical visual line of site analysis is required to strategically position the cameras for maximum coverage based on the site location. During design/planning phases of all projects the designing agent will coordinate with the training/combat and material developers to determine required number and locations of outside cameras to ensure applicable infrastructure is provided.

Live-fire ballistic ammunition is prohibited on this facility. Pyrotechnics are not authorized for training in the tunnel system.

Requirement Document: TC 90-1, FM 3-06, FM 3-06.1, FM 3-06.11, FM 3-22.9, FM 3-21.8

Additional Information: The ROCA should not be located in the immediate vicinity of the urban training area.

The training buildings have one, two, or three stories (some with basements) with sloped and flat roofs.

Loopholes in roofs and outside walls allow observation and fields of fire.

Constructed mouse holes permit movement between rooms and floors.

Roof hatchways lead to the top floors of multiple story buildings.

The street network includes one- and two-lane primary, secondary, local, service roads, and alleyways.

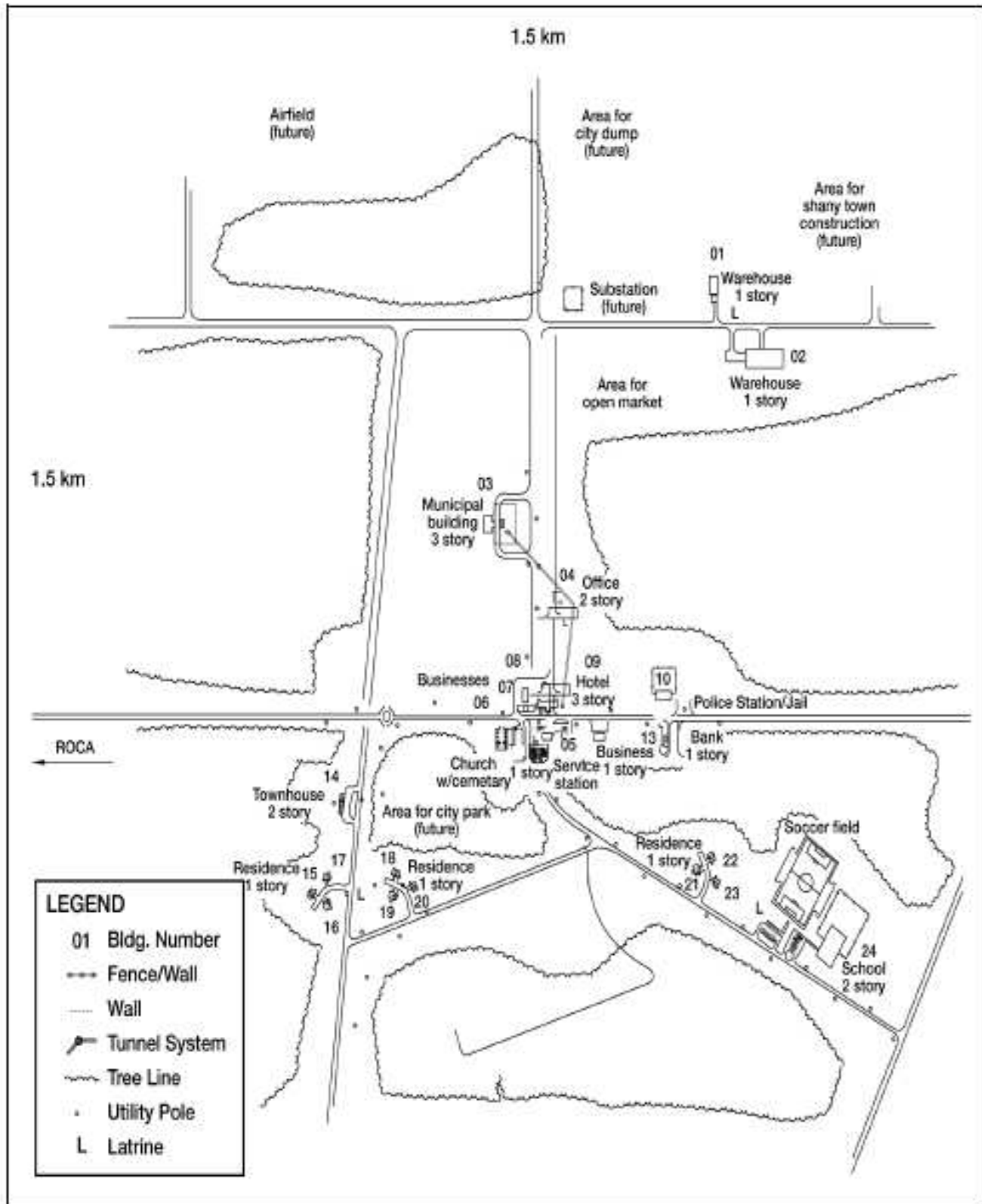


Figure D-36. Combined arms collective training facility