BALLISTIC TEST FACILITY
PRECISION RANGE

RANGE DESCRIPTION: Ballistic Test Facility Precision Range covers an area of approximately 100 square miles and is located in the Mojave Desert at Edwards Air Force Base, California. This range area extends generally East and West with a length of eighteen miles and a width of six miles. The terrain elevation changes gradually from 2400 feet on the West end of the range to 2800 feet on the East. Within this general area is located the control station for all instrumentation, the two target areas with their geophone and sound microphone net, and impact camera net, the Askania net, the Ballistic Camera net, the documentary or non-data camera capability, and a telemetering capability. A sketch showing the general layout of the range is contained in back of this brochure as inclosure 1.

CONTROL STATION: The control station serves as range headquarters and contains all of the radio equipment for ground range communications and communication with aircraft using the range, the camera pulsing equipment, and two forty-eight channel oscillographs which provides the time base for correlating data from the various data gathering nets. Range communication is effected using FM and AM radios, telephones, and an intercom system. The camera pulsing system provides an electronic pulse that fires the Askania cameras and flashes a strobotron in the Ballistic Camera to check shutter synchronization. When this pulse is received by the camera installation, the film is exposed or marked in a manner that provides a