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PHOTOGRAPHIC
INTERPRETATION
REPORT

NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

SOVIET TACTICAL AIR-LAUNCHED MISSILE FACILITIES (TSR)

Top Secret

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SOVIET TACTICAL AIR-LAUNCHED MISSILE FACILITIES (TSR)

ABSTRACT

1. (TSR) The Soviets have constructed two similar types of tactical air-launched missile (TALM) facilities at several tactical aviation airfields in the Soviet Union and Eastern Europe (Figure 1). Each facility consists of two basic types of buildings, a drive-through missile assembly/checkout building and one or more drive-in missile airframe storage buildings. The two types of facilities differ mainly in size and, to a lesser degree, in configuration.

2. (TSR) In addition, the Soviets have recently begun construction at several tactical and long-range aviation airfields on a new type of drive-through building. The exact function of the building is unknown, but evidence indicates that, at least in some instances, these buildings may be for TALM support.

3. (S) Included in this report are a location map with an inset table and six annotated photographs.

BASIC DESCRIPTION

4. (TSR) In 1971 construction began on the first type of TALM facility identified (Figures 2 and 3). Ten of these facilities have been constructed at Soviet tactical airfields (Figure 1)- 25X1
one in Czechoslovakia, and one in the USSR. The facility usually consists of a fence- 25X1
secured area containing a type A drive-through missile assembly/checkout building and a type B drive-in missile airframe storage building. The type A drive-through building is 31.0 meters long, 23.0 meters wide, and approximately 4.0 meters high. The structure has a probable two-bay, drive-through section In addition, on one side of and perpendicular to the drive-through 25X1
portion are five drive-in equipment storage or vehicle storage bays. Three 25X1
small storage or support rooms are in one corner of the building. The type B drive-in building is 17.0—19.0 by 12.0 by approximately 4.0 meters. An earth retaining wall at the entrance end of the building increases the width of the building by 7.0 meters, making the overall width 19 meters. The building is divided into two drive-in bays, each 5.0 meters wide. A small room with an unknown function, formed by the outside long wall and one end of the earth retaining wall, is in the corner of the building. When complete, both the type A drive-through and the type B drive-in buildings are earth covered.

5. (TSR) The following modifications (Figure 4) have been made to the TALM facilities at three Soviet tactical airfields: the addition of a second type B building, the construction of a probable vehicle storage building, and the construction of a loop road with two probable missile fueling/handling pads—each pad has an adjacent fuel/oxidizer storage area. At a tactical airfield in and at two in the USSR the Soviets have constructed similar type B buildings 25X1
without the usual accompanying type A drive-through building (Figure 1).

6. (TSR) In October 1976 a modified-type TALM facility (Figure 5) was identified under construction at Chernyakhovsk Airfield . Externally, the facility resembles the type 25X1
described in paragraph 4 of this report but differs in size and, to a lesser degree, in configuration. The modified facility, which was identified in the early-to-midstage of construction, consisted of a type C drive-through missile assembly/checkout building and four type D drive-in missile airframe storage buildings. The type C drive-through building is 55.0 by 49.0 meters, including end earth retaining walls. The building has a center drive-through bay 11.0 meters wide. On the sides of and perpendicular to the drive-through bay are 13 drive-in equipment storage or vehicle storage bays, In one corner of the building are three probable storage/support rooms. 25X1
Each of the four type D drive-in buildings is 26.0 by 13.0 meters. An earth retaining wall at the entrance end of the building adds 5.0 meters to the length of the building, making the overall length 18.0 meters. The interior of the building consists of the two drive-in bays, each 5.0 meters wide. The type C drive-through building is unique to Chernyakhovsk. However, buildings similar to the type D drive-in building have been seen either complete or under construction at three other Soviet tactical airfields, two in Poland and one in Hungary.

7. (TSR) The Soviets are constructing another type of building, which is believed to have a probable TALM support-related function. This drive-through building, type E (Figures 6 and 7), is 37.0 by 12.0 by approximately 4.0 meters. Earth retaining walls at each end of the building make the overall width approximately 25.0 meters. The interior of the building consists of two parallel drive-through bays, each 5.0 meters wide.

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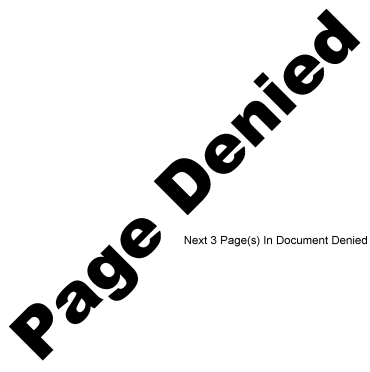

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8. (TSR) Thirty-seven buildings similar to the type E building have been identified at five Soviet Long-Range Aviation (LRA) airfields, 15 tactical airfields, and one ammunition storage depot (Figure 1). Eight of these buildings have been identified at LRA airfields. The buildings were constructed either within or adjacent to the existing ASM facility. Twenty-seven type E buildings have been identified at tactical airfields. Twenty of these were constructed within or adjacent to the existing ammunition storage area, two were within the existing AAM support facility, and five were in unsecured areas not adjacent to or related to any other facility at the base.

REFERENCES

25X1

REQUIREMENT

Project 143470NP

25X1

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List of Conversion Factors by Classification

UNITS OF LENGTH

IF YOU HAVE	*MULTIPLY BY*	*TO OBTAIN*
MILLIMETERS	0.0394	INCHES
CENTIMETERS	0.3937	INCHES
INCHES	25.4000	MILLIMETERS
INCHES	2.5400	CENTIMETERS
FEET	0.3048	METERS
FEET	0.0003	KILOMETERS
YARDS	0.9144	METERS
METERS	3.2808	FEET
METERS	0.0005	MILES(NAUTICAL)
METERS	1.0936	YARDS
KILOMETERS	3280.8400	FEET
KILOMETERS	0.6214	MILES(STATUTE)
KILOMETERS	0.5400	MILES(NAUTICAL)
MILES(STATUTE)	1.6093	KILOMETERS
MILES(NAUTICAL)	6076.1154	FEET
MILES(NAUTICAL)	1.8520	KILOMETERS
MILES(NAUTICAL)	1852.0000	METERS

UNITS OF AREA

IF YOU HAVE	*MULTIPLY BY*	*TO OBTAIN*
SQUARE CENTIMETERS	0.1550	SQUARE INCHES
SQUARE INCHES	6.4516	SQUARE CENTIMETERS
SQUARE FEET	0.0929	SQUARE METERS
SQUARE YARDS	0.8361	SQUARE METERS
SQUARE METERS	10.7639	SQUARE FEET
SQUARE METERS	1.1960	SQUARE YARDS
SQUARE METERS	1.0000	CENTARES
SQUARE METERS	0.0002	ACRES
SQUARE METERS	0.0001	HECTARES
ACRES	4046.8564	SQUARE METERS
ACRES	0.4047	HECTARES
HECTARES	10000.0000	SQUARE METERS
HECTARES	2.4711	ACRES

UNITS OF MASS

IF YOU HAVE	*MULTIPLY BY*	*TO OBTAIN*
KILOGRAMS	2.2046	POUNDS(AVOIR.)
POUNDS(AVOIR.)	0.4536	KILOGRAMS
SHORT TONS	0.9072	METRIC TONS
METRIC TONS	1.1023	SHORT TONS
METRIC TONS	0.9842	LONG TONS
LONG TONS	1.0160	METRIC TONS

UNITS OF VOLUME

IF YOU HAVE	*MULTIPLY BY*	*TO OBTAIN*
LITERS	0.2642	GALLONS
LITERS	0.0063	BARRELS(POL)
LITERS	0.0010	CUBIC METERS
GALLONS	3.7854	LITERS
GALLONS	0.1337	CUBIC FEET
GALLONS	0.0238	BARRELS(POL)
GALLONS	0.0038	CUBIC METERS
BUSHELS	0.0352	CUBIC METERS
CUBIC FEET	7.4805	GALLONS
CUBIC FEET	0.1781	BARRELS(POL)
CUBIC FEET	0.0283	CUBIC METERS
CUBIC YARDS	0.7646	CUBIC METERS
BARRELS(POL)	158.9873	LITERS
BARRELS(POL)	42.0000	GALLONS
BARRELS(POL)	5.6146	CUBIC FEET
BARRELS(POL)	0.1590	CUBIC METERS
CUBIC METERS	1000.0000	LITERS
CUBIC METERS	264.1721	GALLONS
CUBIC METERS	35.3147	CUBIC FEET
CUBIC METERS	28.3776	BUSHELS
CUBIC METERS	6.2898	BARRELS(POL)
CUBIC METERS	1.3080	CUBIC YARDS

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