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**INFORMATION REPORT INFORMATION REPORT**

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	USSR (Moscow)	REPORT	[Redacted]	50X1
SUBJECT	Experimental Institute No. 3731 in Moscow	DATE DISTR.	7 February 1958	
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DATE OF INFO.	[Redacted]			50X1-HUM
PLACE & DATE ACQ.	[Redacted]			

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE. 50X1-HUM

[Redacted]

1. The Experimental Institute (opytnyy institut) No. 3731 was located on Shchemilovskiy pereulok and Seleznevskaya ulitsa, Kominternovskiy Rayon, in Moscow.<sup>1</sup> It was a small, but important plant. It was subordinate to the Ministry of Aviation and performed experiments on various instruments for use in high-speed, jet aircraft.<sup>2</sup> Prior to World War II, this plant was located in Leningrad and during the siege was transferred to Moscow. Recently, there were rumors that the plant would be returned to Leningrad.

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2. This was an experimental institute, [Redacted] various flight instruments were made and tested here. [Redacted] from the size and appearances of the products prepared, [Redacted] they must be components for gyros, artificial horizons, and instruments used for instrument flying. This institute also produced what appeared to be the components for small electric motors and the framework and boxes for radio equipment. These radio boxes had many apertures for an unknown number of tubes and had several cables, some three to four cms in diameter, extending from the boxes. [Redacted]

[Redacted]

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[Redacted] the same part was rarely made to the same specifications. Consequently, everything had to be done according to blueprint and with reference to a specific measurement table. [Redacted] the allowance was very small, particularly for the components, which [Redacted] would be used for precision instruments.

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3. [Redacted] the tests, [Redacted] one included extreme temperature tests, ranging from -50° to +50°C.

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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4. [redacted] 50X1-HUM

[redacted] if the tests were successful, various unknown plants were given the specifications and directed to produce the new product. All shipments to and from the plant were by truck. The outgoing shipments primarily were accomplished by military two and one-half ton trucks. The trucks were always driven by military personnel, primarily from the Air Force, but [redacted] also [redacted] Army and Navy trucks arrive for pickup. The Soviet Air Force trucks were grayish in color and had a large black T painted on the cabin doors.

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5. All shipments were made in metal box containers of varying sizes. The most common size used was approximately 100 x 50 x 50 cms, although a box approximately as large as 1.5 x 1 x 1 meters was also used. These boxes were gray, trunk-like, with trunk-type lid fasteners and a hasp hinge. The hasp was padlocked and had a metal security tag attached. Except for the phrase, "Handle with Care", there were no markings on the box whatsoever. Although shipments occurred irregularly, most shipments were made toward the end of the month.
6. No trademarks or serial numbers were used at the plant. The only mark that appeared on any components was a small inspector's approval stamp. This stamp bore a number and the letters OTK (otdel ~~teknicheskogo~~ kontrol'ya - technical control section). See sketch No. 5, figure 1.
7. A breakdown of workers per shop per shift is as follows:

Shop No.	Shop Title	Number Employed	
		1st Shift	2nd Shift
1	Preparing (zagotovitelnyy)	40	0
2	Mechanical	150	15
4	Paint	30	0
5	Instrument	80	15
10	Mechanical repair	28	0
20	Carpenter	22	0

8. The security at this plant was supplied by regular plant guards dressed in grayish-blue uniforms with a small green patch about three to four cm long and two to three cm wide on the upper portion of each side of the front tip of the collar. They wore a Sam Brown-type belt with pistol. At night, the guards patrolling the interior plant area were armed with automatic rifles and were accompanied by unleashed German shepherd dogs. During the day, women guards controlled the plant entrance and were responsible for the passes.
9. The passes consisted of a white card bound in cellophane with an aluminum frame. The over-all size of the pass was approximately 10 x 6 cms and the aluminum frame was approximately 1.5 x 0.5 cms. The face of the pass bore a photograph, full name, employee's number, shop number where employed, and signature of the MVD authorizing official. At that time the official was Ivanov (fnu). The reverse side of the pass was blank unless the individual worked in the secret section of the plant. In that event, this side bore a small, rectangular, diamond-shaped, or triangular symbol with a letter. [redacted]

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The passes were always maintained in the plant and were never taken home. Once in the plant, the passes were always maintained on each person. See sketch No. 5, figures 2 and 3.

10. In about 1952, all plant employees had to attend a series of compulsory lectures concerning precautionary measures against atomic and gas attack. These lectures were given by a raykom Party member-designate. The lectures totalled about 10 to 15 hours. Employees were not given any literature but were instructed to proceed to the air raid shelter in the event of an attack and to remain until the all-clear sounded. The instruction included the force,

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effect, and the manner in which an A-bomb was exploded. They were given lectures on the various types of gases and their effects, first-aid treatments to be employed, etc. They were advised that gas masks and anti-fallout protective equipment would be issued to all prior to the advent of hostilities. The employees were not shown any of this equipment. Their use was just explained. They were also advised that at the end of an attack, special army decontamination troops would arrive to clear the area with special equipment. Nothing on bacteriological warfare was mentioned. Similar lectures by a raykom Party member-designate were given to the civilian populace.

11. Persons connected with the plant were as follows:

a. Prilukov (fnu).

[Redacted]

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[Redacted]

b. Vagin, Ignat Varnovich.

[Redacted]

[Redacted]

[Redacted]

Comments:

1. This institute has not been identified in available reference materials. Both a 1-y Shchmelovskiy pereulok and a 2-y Shchmelovskiy pereulok are located in Kominternovskiy Rayon, which was combined with Sverdlovskiy Rayon in October 1957. The sketch on page 4 indicates that 1-y Shchmelovskiy pereulok is the one intended here. The Moscow Scales Plant is reportedly located at No. 16 1-y Shchmelovskiy pereulok, approximately at this location.

2. [Redacted] presumably [Redacted] the Ministry of the Aviation Industry.

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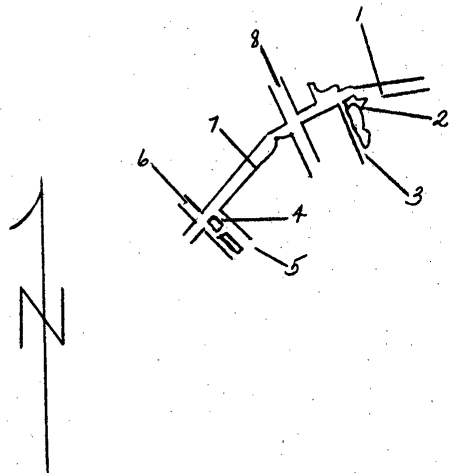
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Sketch No. 1

Location of Experimental Institute No. 3731

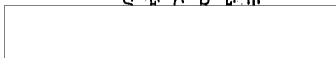


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Legend to Sketch No. 1

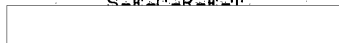
1. Seleznevskaya ulitsa. Asphalt-surfaced street, approximately 10 meters wide.
2. Experimental Institute No. 3731.
3. Shchemilovskiy pereulok. Asphalt-surfaced street, approximately eight meters wide.
4. Living quarters. A brick apartment house on 4-ya Tverskaya-Yamskaya ulitsa
5. 4-ya Tverskaya-Yamskaya ulitsa. Asphalt-surfaced street, approximately eight meters wide.
6. 3-ya Tverskaya-Yamskaya ulitsa. Same description as No. 5.
7. Miusskaya ulitsa. Same description as No. 5.
8. Kalyayevskaya ulitsa. Asphalt-surfaced street, 10 meters wide.
9. Kremlin. This is strictly a reference.

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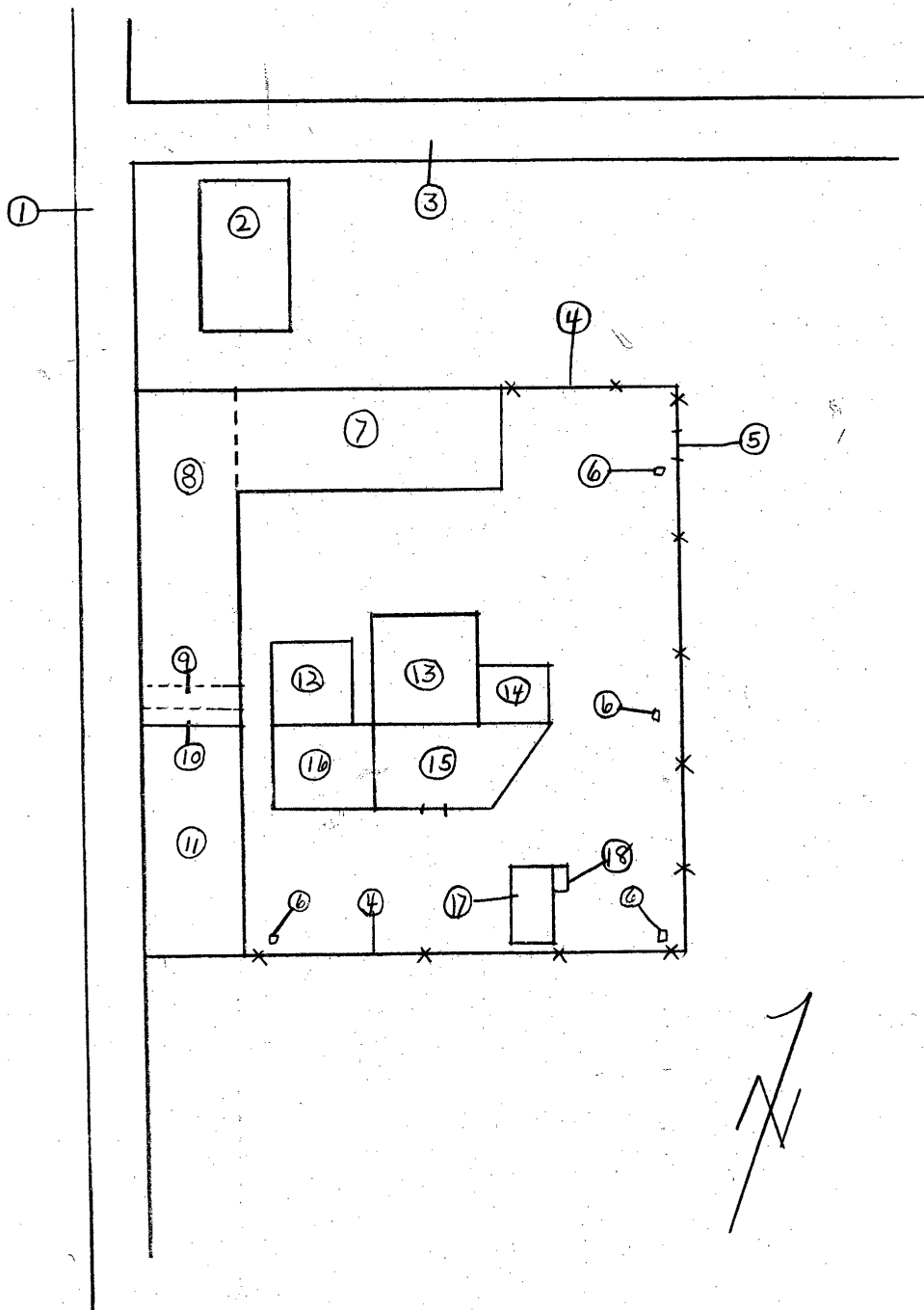


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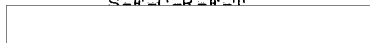


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Sketch No. 2  
Experimental Institute No. 3731



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50X1Legend to Sketch No. 2

1. Shchemilovskiy pereulok. Same as No. 3, sketch No. 1.
2. Elementary school. Brick building, the number of stories or approximate size is unknown.
3. Seleznevskaya ulitsa. Same as No. 1, sketch No. 1.
4. Plant perimeter fence. Part of this fence was wooden and the remainder was of brick, approximately three meters high, with three or four strands of barbed wire set at a 45° angle away from the plant area.
5. Vehicular entrance. A steel wire gate approximately six meters wide. It was opened only when necessary to permit trucks to enter.
6. Guard booths. Wooden guard booths approximately two meters square and three meters high set on the ground.
7. Plant building. A two-story brick building, approximately 50 x 20 x 16 m, with a slightly pitched sheet-metal roof. It was attached to adjoining building and contained most of the shops.
8. Main building. A four-story brick building, approximately 50 x 20 x 16 m, with a slightly pitched sheet-metal roof. [redacted] the third and fourth floors contained the secret sections of the plant. [redacted] 50X1-HUM
9. Vehicular entrance. It was approximately six meters wide, and was used exclusively by the plant director's automobile, other official plant cars, and for visiting VIP. [redacted] /S.V./ Ilyushin and A.I. Mikoyan on several occasions [redacted] visited the plant. Other high-ranking Soviet officers from the Air Force, Navy, and Army artillery visited the plant from time to time but [redacted] none worked there permanently. 50X1-HUM
10. Employees' entrance. This entrance, like the vehicular entrance, was part of the first floor. It was approximately four meters wide, and contained a pass control booth about two meters wide and five meters long. The control booth was in the center and had a passageway on either side with electrically-controlled turnstiles. All employees picked up and deposited their passes at this booth and only upon proper identification were they allowed to pass. Just beyond the booth and to the right of the entrance was a stairway that led to the other floors of the building. Passes were checked again on the second floor near the stairway prior to ascending to the third and fourth floors.
11. Dining room building. A two-story, brick building, approximately 30 x 20 x 8 m, with a slightly pitched sheet-metal roof. The dining room was on the first floor and administrative offices on the second. It was connected to the main building.
12. Administration building. A two-story brick building, approximately 15 x 15 x 8 m, with a slightly pitched sheet-metal roof. The accounting offices were on the first floor and the plant director's office and a few other administrative offices were on the second floor. 50X1-HUM
13. Building under construction. [redacted] the foundation was nearing completion. [redacted] the foundation [redacted] approximately 20 x 15 m [redacted] 50X1-HUM

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14. Electric shop. It was a single-story brick building, 12 x 6 x 6 m, with a slightly pitched sheet-metal roof. It contained the electrical support shop, electrical repair shop, welding shop, and the blacksmith shop.
15. Garage. It was a two-story brick building, approximately 30 x 15 x 8 m, with a slightly pitched sheet-metal roof. The first floor was the garage which could maintain a total of six trucks and cars. The second floor contained the administrative offices, the first-aid station, and the offices of the Party organizer (partorg) and the trade union organizer (profsoyuz).
16. Boiler house. It was a single-story brick building, approximately 15 x 15 x 8 m, with a slightly pitched sheet-metal roof and a single brick smokestack approximately 50 m high. It burned coal and supplied the hot water, heat, and steam for the plant. Part of the carpenter's shop was in this building and the other part was in the northern portion of the dining-room building.
17. Old administration building. It was a single-story, wooden frame, stuccoed building, approximately 15 x 6 x 6 m, with a slightly pitched sheet-metal roof. It contained administrative offices and former storeroom in the cellar.
18. Stairway to cellar. It was a concrete stairway leading to the cellar and former storeroom in the old administrative building. [redacted] they removed the storeroom, cleaned out the cellar, enlarged the underground area and made it into a bomb shelter large enough to shelter the entire plant complement.

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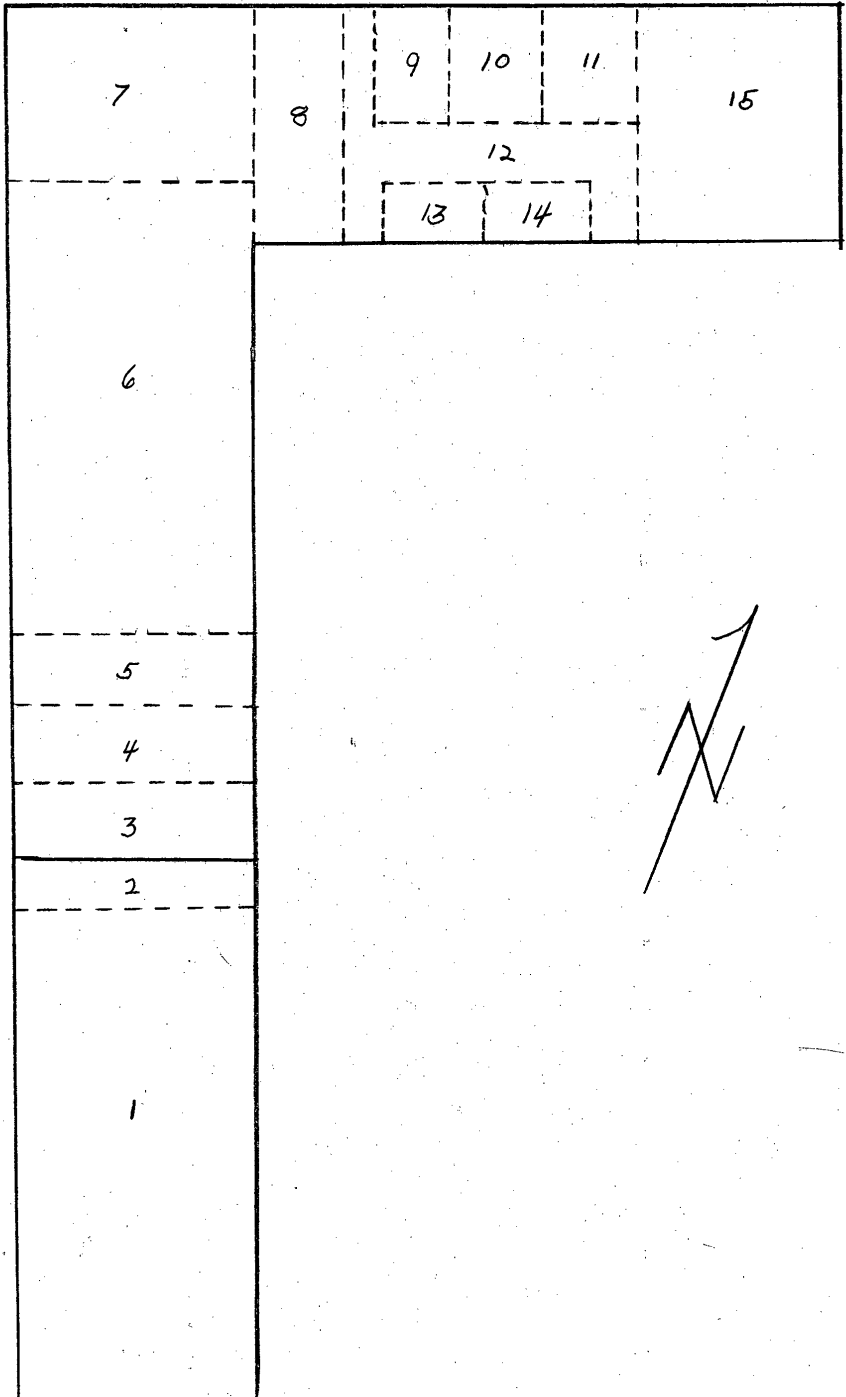
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Sketch No. 3  
First Floors of the Main Plant Buildings



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Legend to Sketch No. 3

1. Dining room and kitchen.
2. Carpenter shop.
3. Employees' entrance.
4. Vehicular entrance.
5. Temperature producing station.
6. Technical offices.
7. Electric power substations.
8. Electric coil shop.
9. Laboratory and washroom.
10. Supply.
11. Chemical laboratory.
12. Hallway.
13. Shower room.
14. Office of the First Section (pervyy otdel).
15. Instrument shop.

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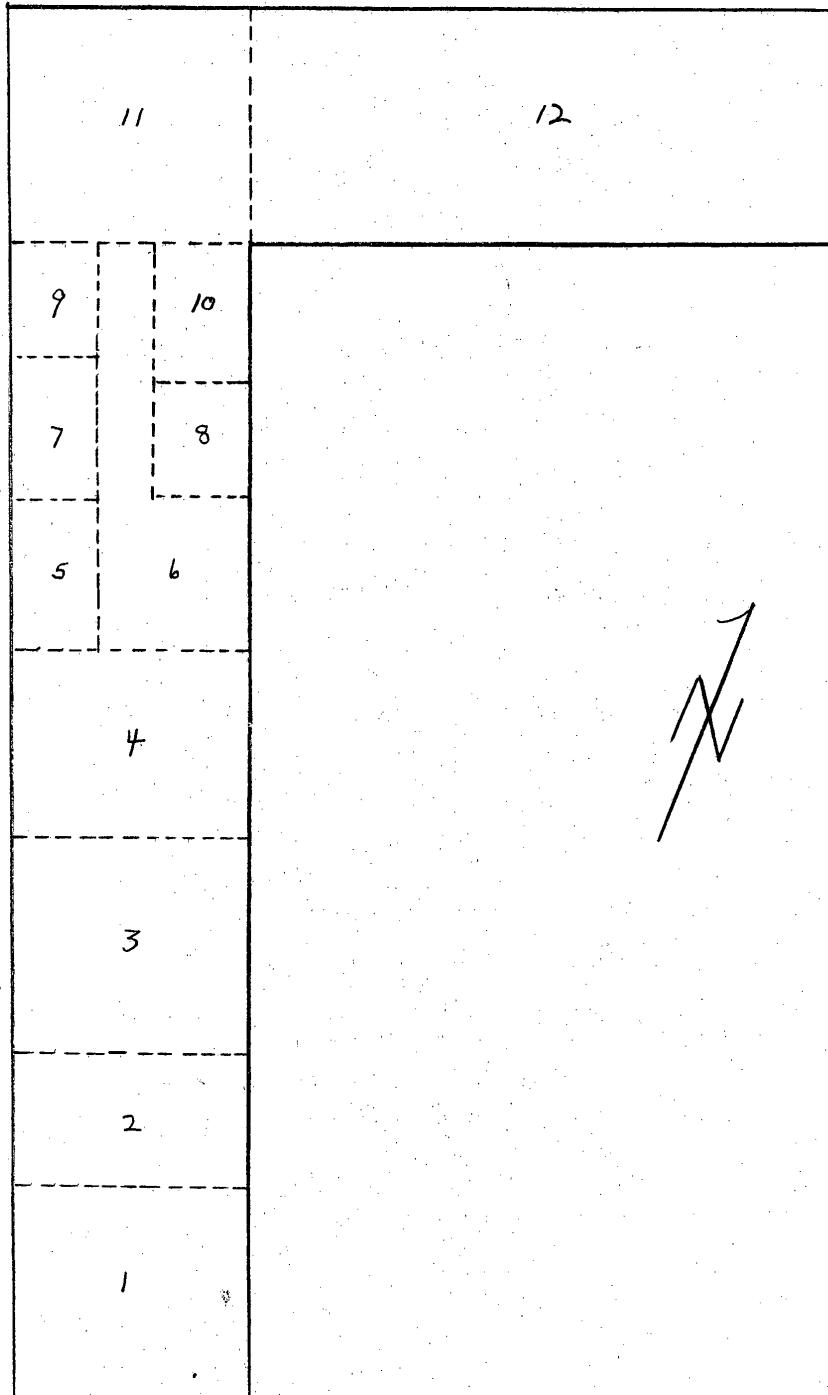
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Sketch No. 4  
Second Floors of the Main Plant Buildings



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Legend to Sketch No. 4

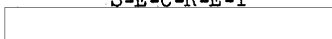
1. Technical construction offices. This was a secret office.
2. Personnel section.
3. Assembly shop. This was a secret shop.
4. Electrical wiring shop.
5. Supply and maintenance repair shop.
6. Hallway.
7. Storage area for unassembled finished parts.
8. Severe temperature change room. Produced parts underwent severe temperature tests in this room.
9. Chemical laboratory.
10. Office of the Special Section (spetsotdel).
11. Stairway and hallway.
12. Machine shop. This shop contained various types of machines, i. e. drills, presses, lathes, polishers, milling machines, and gear cutting machines.

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Sketch No. 5:

Figure 1: Inspector's Stamp



Figure 2 : Pass

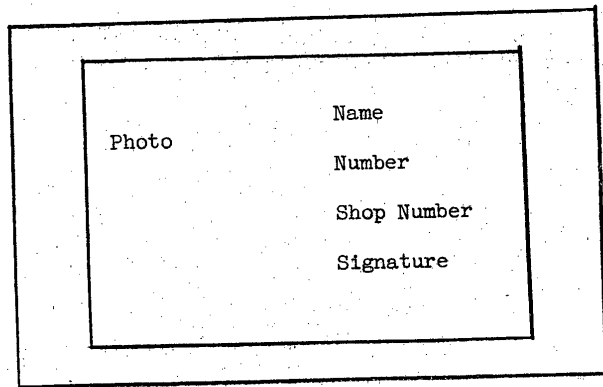


Figure 3 : Special Pass Symbols



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