

File 23

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

SECRET

25X1

COUNTRY	Czechoslovakia	REPORT	[REDACTED]	
SUBJECT	Tesla, National Enterprise, Vrsovice Plant, in Prague-Vrsovice	DATE DISTR.	28 September 1954	
DATE OF INFO.	[REDACTED]	NO. OF PAGES	28	
PLACE ACQUIRE	[REDACTED]	REFERENCE	[REDACTED]	25X1
				25X1

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

25X1

25X1

Attached is [REDACTED] as received [REDACTED]

25X1

25X1

25X1

25 YEAR RE-REVIEW

SECRET

STATE	#X	ARMY	#X	NAVY	#X	AIR	#X	FBI		AEC				
-------	----	------	----	------	----	-----	----	-----	--	-----	--	--	--	--

25X1

SECRET

REPORT



25X1

COUNTRY Czechoslovakia

DATE DISTR. 11 August 1964

SUBJECT Tesla, National Enterprise, Vrsovice Plant in Prague-Vrsovice

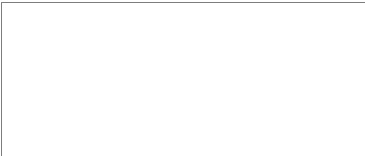
NO. OF PAGES 27

25X1

DATE OF INFORMATION

REFERENCES:

PLACE ACQUIRED

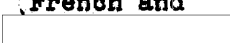



25X1

THIS IS UNEVALUATED INFORMATION

25X1

History

1. Tesla, National Enterprise, Vrsovice Plant in Prague XIII-Vrsovice, SNB Allee #55, was a branch plant of the Tesla, National Enterprise, Julius Fucik Works, in Prague IX-Hloubetin, Podebradska Street, #186. The Vrsovice Plant was a factory for production of high-power and medium-power transmitter electronic tubes and medium-power special electronic tubes. 1. Further, the factory produced low-power special electronic tubes 2. and GM tubes. 3. This factory was the only one of its kind in Czechoslovakia.
2. Originally, this firm was a distributing firm only (French and later English), located probably in Prague-Vysocan, . About 1935 this firm became a production firm, called Radioslavia, which was owned by the Marconi Wireless Telegraph Company, Ltd., London. The Marconi firm introduced the production of transmitter tubes in the Radioslavia firm and, in the years just before World War II, also the production of transmitters. 4. The Radioslavia Plant was demolished in the second bombing of Prague in the summer of 1944. After World War II, during 1945 and 1946, the plant was reinstalled in some old factory building  at the present address, #55 King George Allee, later named SNB Allee. In 1947 the production of both tubes and transmitters was resumed. The firm still bore the name Radioslavia. After the Communist coup in February 1948, during the so-called second nationalization, the Radioslavia firm was nationalized and the plant was renamed Tesla Vrsovice, National Enterprise. Because of lack of production space at the end of 1950 the production of transmitters was transferred to the premises of the Tesla Hloubetin, National Enterprise, in

25X1

25X1

25X1

SECRET

SECRET INFORMATION

25 YEAR RE-REVIEW

SECRET

25X1

- 2 -

Prague-Hloubetin, Podebradska Street #186, the transmitter production still remaining under the management of the Tesla-Vrsovice Plant. At the beginning of 1951 the production of transmitters was incorporated into the Tesla, Hloubetin Plant which at that time bore its present name, Tesla, National Enterprise, Julius Fucik Works. In the summer of 1951 the Tesla Vrsovice Plant was subordinated as a branch plant to the Julius Fucik Works and named Tesla, National Enterprise, Vrsovice Plant.

Organization

3. The activities of a cadre department for the Vrsovice Plant were performed by the Cadre Department of the Julius Fucik Works.
4. The Security Department Annex A7 was abolished according to a general governmental policy in the second half of 1952. The activities of the security official were taken over by the manager of the plant.
5. The practice of calling the individual branches by the title of chief of the branch was a general rule for all industrial enterprises. This practice was introduced in 1953 and followed the Soviet pattern.
6. The pre-production section Annex A7 produced the necessary parts for tubes and consisted of the following sub-sections:
 - a. Parts other than glass;
 - b. Glass parts;
 - c. Galvanizing;
 - d. Pre-evacuating.

The achievements of the section for sealing tubes, of the sub-section for the production of glass parts, as well as of the testing of finished tubes section Annex A7 were unsatisfactory. The results of the testing section had improved since the beginning of 1953, for the new testing equipment was gradually being put into operation. Nevertheless, the situation was still far from being completely satisfactory.
7. The Plant's Council Annex A7 and the Plant's organization of the Revolutionary Trade Union (ROH) were originally two independent groups. At about the beginning of 1950 the same persons performed the activities of both these groups and the titles were used jointly. This was a general policy throughout Czechoslovakia.
8. The following departments except the Chief Accounting Official are not shown on the organizational chart because their position within the organizational structure was not clear.
 - a. The Purchasing Department of the plant was subordinate to the plant manager but also [redacted] in more important matters, to the manager of the Tesla, [redacted] Julius Fucik Works. [redacted] the new name of the purchasing Department was the supply Department. The Purchasing Department had the following sections:
 - (1) Purchase of raw materials and parts from outside suppliers ("Purchase Office");
 - (2) Storage of purchased materials and parts;
 - (3) Transportation. Beginning in 1952, this section controlled personal cars only.

25X1

25X1

25X1

SECRET

SECRET

25X1

- 3 -

- b. The Sales Department consisted of a sales office, a shipping section, and storage for finished tubes ready for shipment. The Sales Department was originally subordinate to the plant's manager. In the second half of 1952 the Sales Department was transferred, along with all employees, to the Tesla Hlobetin Plant and was subordinate to its manager. There remained only one representative of the Sales Department in the Vrsovice Plant. At approximately the same time, the storage of finished parts and the shipping sections were transferred from the Vrsovice Plant to Prague XII, French Street [redacted] and were directly subordinate to the Tesla Hlobetin Plant. The property on French Street was an old building [redacted] and was acquired during the second half of 1951. 25X1
- c. Until the summer of 1951, at the time the Tesla Vrsovice Plant was subordinate to the Tesla Hlobetin Plant, the Investment Department and Buildings Administration were subordinate to the Vrsovice Plant's manager. In the summer of 1951, the Investment Department was transferred to the Hlobetin Plant with only one representative remaining in the Vrsovice Plant. The Buildings Administration still remained in the Tesla Vrsovice Plant. 25X1
- d. The Planning Department was directly subordinate to the Vrsovice Plant's manager until the end of 1951. After this time, on principal questions, this department was directly subordinate to the Chief Planning Official of the Julius Fucik Works. The Planning Department had the following sections: 25X1
- (1) Planning office planned both parts and finished products;
 - (2) Statistics;
 - (3) Workshop planning officials set up detailed tasks for the individual workers. They established work charts (ukolove listky) which carried the name of the worker, the number and type of article, material and quantity to be used, and time schedule. (The necessary material was given to the worker by the planning official.) These work charts were for one item only and were issued the last day of the week for the coming week. The last day of the week this chart was turned in to the wage clerk, who checked it, entered notations of good products and rejects, and computed the wage. The worker was not paid for the rejects he caused and for which he was held responsible by the Chief of Inspection when the Plant Council agreed with the chief's opinion. In case of disagreement between the Chief of Inspection and the Plant Council, the plant manager's decision was final. The existence of the workshop planning officials, together with the activities of control personnel during production, deprived the foremen of responsibility. This was the general policy throughout industry in Czechoslovakia. The foreman had only to help and train the workers. However, this policy was believed to impair the quality of the work, and therefore, management tried to stress that the foreman was responsible for the quality of the product.
9. The office of the Chief Accounting Official Annex A7 (which title has existed since 1953; formerly, it was called the Economy Department) had two sections: salary and wage section, and production accounting section. [redacted] this department had become more and more directly dependent on the Chief Accounting Official of the Julius Fucik Works since 1953. 25X1

SECRET

SECRET

25X1

- 4 -

10. Until the summer of 1951, when the Tesla Vrsovice Plant was placed under the Julius Fucik Works, the chiefs of various departments were directly responsible to the manager of the plant. Subsequently, the chiefs of the departments of the Tesla Vrsovice Plant (with the exceptions given above) not only were subordinate to the manager of the plant but they were also indirectly subordinate to the chief of the comparable department of the Julius Fucik Works. When the chief of a department in the Julius Fucik Works had to deal with the Tesla Vrsovice Plant, he went through the manager of the Tesla Vrsovice Plant.

Labor Force

11. The Tesla Vrsovice Plant had about 150 employees in 1950, about 200 in 1951, about 240 in 1952, and in the summer of 1953 about 300 employees. [redacted] after the summer of 1953 the personnel was increased but not as rapidly as formerly. Of the total of 300 employees, 70% were males and 30% females. Included in this total were about 30 administrative employees and about 30 technicians. Of these 30 technicians, approximately 8 were employed directly in production. There were only about 60 specialized workers. Among the non-specialized workers, there were 25 former administrative employees (in the plant and elsewhere) who were transferred into production at the end of 1951 and the beginning of 1952 as a result of the government decree "Transfer of 75,000 administrative employees for production." There was a lack of technicians and specialized workers in the plant which was the situation in Czechoslovak industry generally, especially in those branches which were growing rapidly. [redacted] half of the employees of the Tesla Vrsovice Plant were CP members; however, [redacted] only 50 employees were convinced Communists.
12. Miroslav HRAZDILEK, a worker, was appointed the plant's manager some time during the summer of 1951. Ludvik HAKL had been the plant's chief engineer since the end of 1951.
13. The plant's chief engineer received approximately 15,000 crowns monthly, the chief of a department received approximately 8,000 crowns monthly, a chief of section received approximately 6,000 monthly, the specialized worker received approximately 7,500 monthly, the non-specialized worker received approximately 4,500 crowns monthly, administrative officials received approximately 3,000 crowns monthly, and clerks received approximately 2,000 crowns per month (all pre-currency reform).

25X1

25X1

25X1

Hours of Operation

14. The administration, as well as some of the production sections, worked one shift daily; other production sections worked two shifts a day. The production of glass parts worked only one shift, but they very often worked overtime. The evacuating and degassing section worked three shifts a day; the testing section worked two, sometimes, three shifts daily. The largest high-power transmitter tubes were tested only on the night (or third) shift because of the large amount of electric current needed for the testing operations. (More current was required for testing one high-power transmitter tube of the largest size than was required for the whole plant during the day.)

SECRET

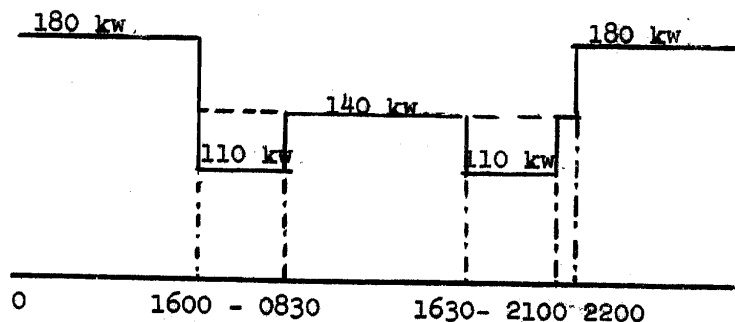
SECRET

25X1

- 5 -

Power Consumption

15. Below is a diagram of the daily electric current consumption of the plant. (Most of the large enterprises had an electricity consumption diagram.) This plan was worked out by the power plant with the agreement of the Tesla Vrsovice Plant, and had to be strictly followed.



From 15 April to 15 October the maximum number of kilowatts from 0600 to 2200 hours was 140. In 1953, because of the increase in planned production, the limit for the summer period was 180 kilowatts.

If the maximum kilowatt hours were exceeded by the plant, the manager was held responsible and was heavily fined; the plant had to pay a higher price (as agreed in advance with the power plant) for kilowatts used beyond the limit.

Security Measures

16. There was an eight-man guard unit to maintain security in the plant, called the Plant's Guard (Zavodni straz - ZS). The men in this guard unit wore uniforms similar to those worn by the regular units of the Czechoslovak army but with two exceptions: the uniform was dark brown and no branch insignia or chevrons were worn. In addition to this ZS unit, there was a 30-man plant's militia composed of plant workers, including three women workers. The plant's militia members wore blue work uniforms and blue berets. On the left arm they wore a brassard with the inscription, Zavodni milice. The uniforms for the ZS and ZM were furnished by the plant.
17. From 0600 to 1800 hours the only security in the plant was one ZS guard who stayed in a small shed at the plant entrance. He checked the identification of every employee who entered the plant or left at the completion of the day's work. This guard was armed with a pistol, [redacted] which was manufactured in the Zbrojovka Plant in Brno. From 1800 to 0600 hours security was entrusted to two ZS guards and an Alsatian dog. The dog roamed freely in the plant area, making it almost impossible for anyone to come close to, or to enter, the plant without being observed. One of the guards stayed in the guard shed and the other guard roamed the plant with a time-checking device. He would check all important posts in the plant and record the time that the checks were made. The night guards were armed with 7.92 mm. rifles, model unknown to me. If a person working on the night shift became ill and wanted to go home, he had to call the guard at the plant entrance. The guard would look up the dog, and the man would walk to the plant entrance. His identification was checked before he was permitted to leave.

25X1

SECRET

SECRET
- 6 -

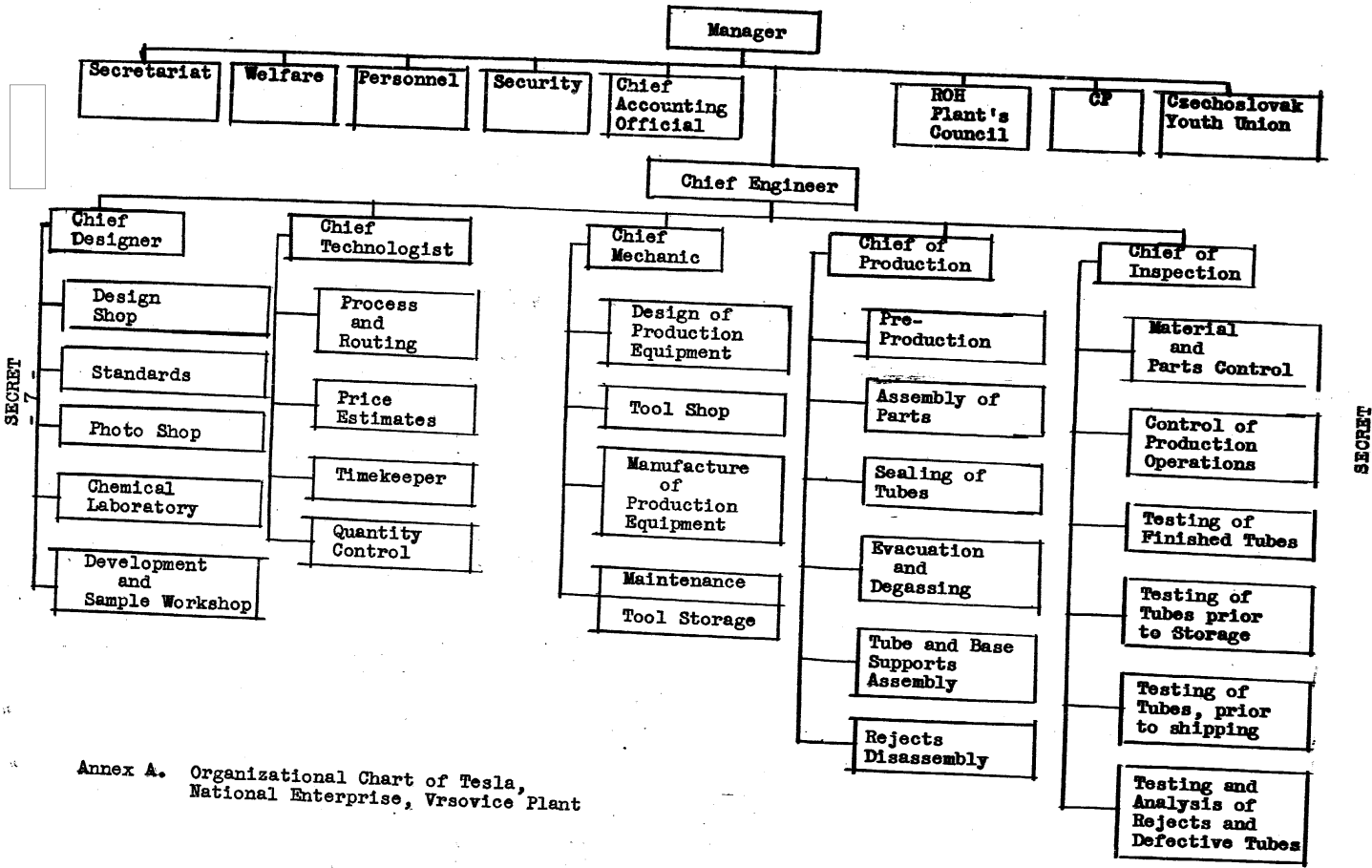
25X1

25X1

ANNEXES

- A. Organizational Chart of Tesla, National Enterprise, Vrsovice Plant
- B. Plant Layout of the Tesla Vrsovice Plant
- C. First-floor Plan of the Main Production Building; Floor Plan of the Auxiliary Production Building and Auxiliary Production Building (Annex).
- D. Second-floor Plan of the Main Production Building
- E. Third-floor Plan of the Main Production Building
- F. Fourth-floor Plan of the Main Production Building
- G. First-floor Plan of the Production Building
- H. Floor Plan of Basement of the Production Building
- I. First- and Second-floor Plans of the Main Administration Building, Social and Administration Building, Administration Building, and Shipping Department Building
- J. Floor Plan of the Auxiliary Production Building, Social Building and Warehouse, and the Administration and Social Building.

SECRET



SECRET

SECRET

Annex A. Organizational Chart of Tesla, National Enterprise, Vrsovice Plant

25X1

Page Denied

Annex B (Cont'd) Plant Layout of the Tesla Vrsovice Plant

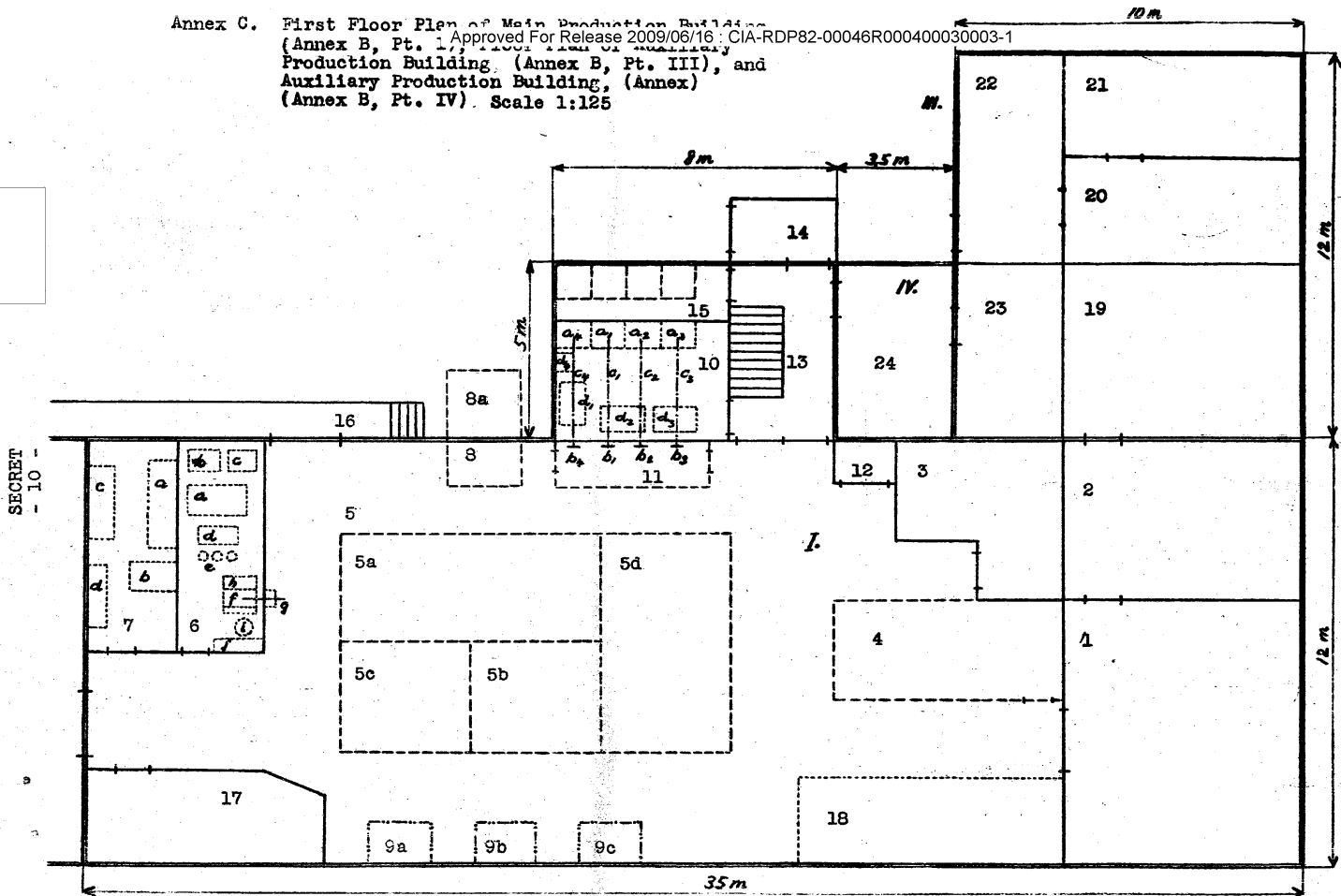
LEGEND TO ANNEX B

- I. Main Production Building: three-story; brick building, with flat roof.
- II. Production Building: one floor and basement; brick building.
- III. Auxiliary Production Building: one floor; brick.
- IV. Auxiliary Production Building (Annex): one floor; brick. (These four buildings are connected.)
- V. Main Administration Building: one floor with attic; brick.
- VI. Social and Administration Building: one floor with attic; brick.
- VII. Administration Building: one floor with attic; brick.
- VIII. Shipping Department: one floor; brick; on the same level and connected to the attic of building, Pt. VII.
- IX. Auxiliary Production Building: one floor; brick.
- X. Social Building and Warehouse: one floor; brick.
- XI. Administration and Social Building: one floor; brick.
- XII. Auxiliary Warehouse: partly brick and partly wood.
- XIII. Building for Watchman: one floor; brick.
- XIV. Wooden Annex to building, Pt. XIII.
- XV. Main Gate with additional entrance for personnel.
- XVI. Wooden Barn.
- XVII. Plant Yard.
- XVIII. Hydrant.
- XIX. Open Area. (From time to time, oil and gasoline barrels were stored here.)
- XX. Wire Fence.
- XXI. Wall: two meters high.
- XXII. Koh-i-noor, National Enterprise

Key for Annexes B through J.

- _____ Exterior Walls
- _____ Internal Walls
- Temporary Walls (Wire Cages)
- Specific Production Space
- Future Production Space

Annex C. First Floor Plan of Main Production Building
 (Annex B, Pt. I) Approved For Release 2009/06/16 : CIA-RDP82-00046R000400030003-1
 Production Building, (Annex B, Pt. III), and
 Auxiliary Production Building, (Annex
 (Annex B, Pt. IV). Scale 1:125



SECRET
 - 10 -

SECRET

25X1

SECRET

- 11 -

Annex C (Cont'd) First-Floor Plan of Main Production Building (Annex B, Pt. I); Floor Plan of Auxiliary Production Building, (Annex B, Pt. III), and Auxiliary Production Building, (Annex) (Annex B, Pt. IV)

LEGEND TO ANNEX C

Main Production Building:

1. Machine Tool Workshop.
2. Reduction Furnaces.
3. Micalex Production.
4. Tool Storage.
5. New Testing Shop for testing finished electronic tubes.
 - a. High-power, water-cooled tubes.
 - b. High-power, water-cooled tubes (smaller than those of a.).
 - c. Medium-power, air-cooled tubes.
 - d. Main anode rectifier for high voltage, equipped with GT 15 tubes.
6. Main Anode Rectifier for high voltage; equipped with CAR 6 tubes.
 - a. Main oil transformer, three-phase.
 - b. Oil inductance.
 - c. Oil condenser.
 - d. Heating transformer; three-phase.
 - e. Three units of CAR 6.
 - f. Oil switches
 - g. Collector (controllers for switches).
 - h. Three units of air inductances for high voltage.
 - i. Booster.
 - j. Control panel.
7. Dynamos for heating high-power tubes.
 - a. Dynamo with motor.
 - b. Oil switch.
 - c. Dynamo with motor.
 - d. Control panel.
8. Equipment for testing air-cooled, high-power tubes.
- 8-a. Two ventilators driven by electric motor. (Part of the equipment under Pt. 8.).

SECRET

SECRET

- 12 -

LEGEND TO ANNEX C (Cont'd)

- 9-a. It was planned to use this space for measuring desks for low-
 b. power special tubes.
 c.
10. Room in which master transformer is located to transform incoming current.
- a-1, a-2, a-3, a-4. Oil contactors.
- (11) b-1, b-2, b-3, b-4. Wheels, handled manually, to control oil contactors.
- c-1, c-2, c-3, c-4. Chain transmission between the wheels and oil contactors.
- d-1, d-2, d-3, d-4. Air transformers (3 x 6 kv./3 x 380 v.).

NOTE: There were two cable outlets (each 6 kv.); one was of the special Prague electric network (6 kv.). This electric network supplied only important (vital) installations, including only some of the industrial plants, and was in constant operation. PS Barracks in Prague-Vrsovice, located close to the Tesla Plant, were also supplied by the special electric network. The other outlet was of the standard electric network in Prague which supplied other installations and all of the housing. This network did not operate constantly because of the lack of electric current. This network was never used in the plant.

11. Control room for internal network.
12. Freight Elevator.
13. Corridor and staircase.
14. Annex of wooden construction.
15. W.C.
16. Ramp for loading and unloading trucks.
17. Office of Chief of Maintenance and Chief Mechanic.
18. Maintenance Shop: located temporarily on these premises; it was planned to use this space as an assembly room for joining supporting bases to the tubes.

Auxiliary Production Building:

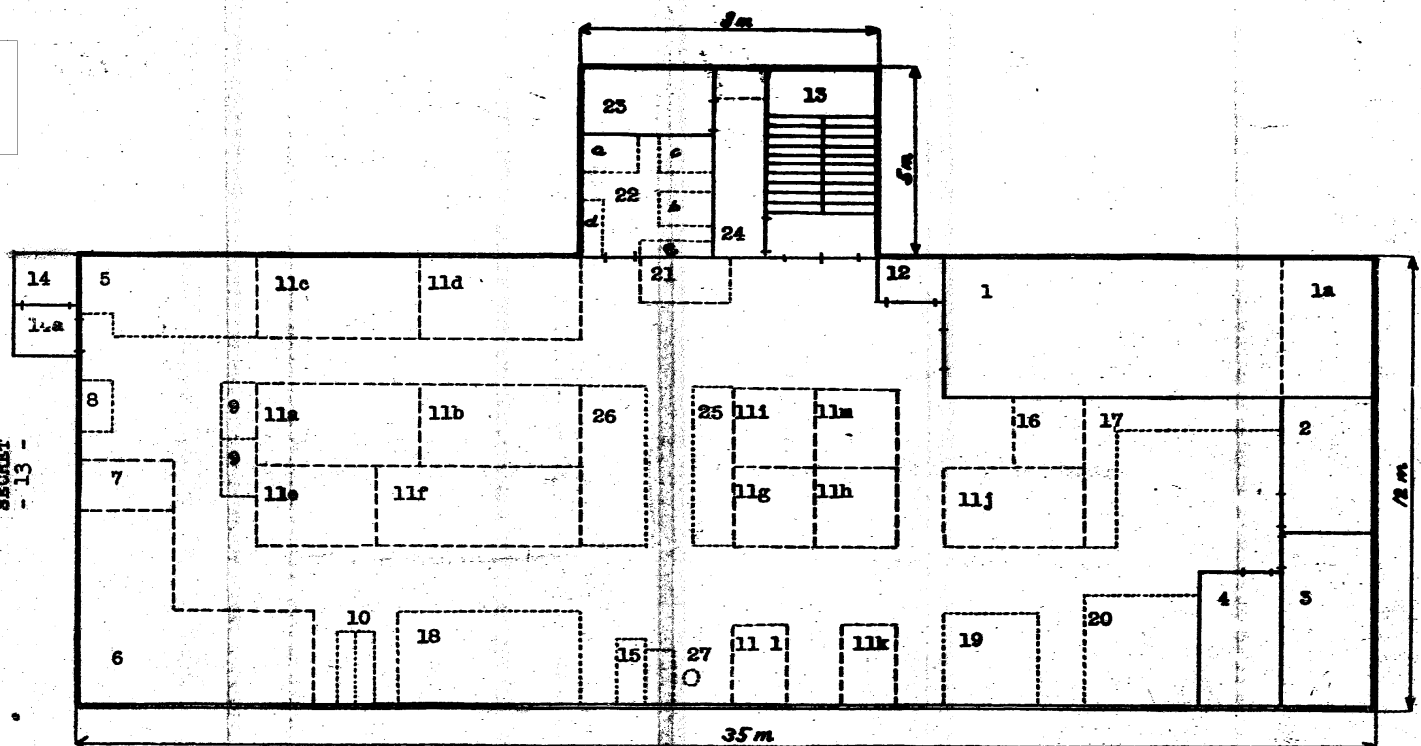
19. Storage of materials; mainly iron.
- 20 - 21. Shops: rejects and defective tubes returned to the plant were dismantled.
22. Plating Room (mainly nickel and copper galvanizing).
23. Auxiliary Shop for Pressing and Welding.

Auxiliary Production Building (Annex):

24. Welding and Press Shop.

SECRET

Annex D. Second-floor Plan of the Main Production Building
 (Approved For Release 2009/06/16 : CIA-RDP82-00046R000400030003-1)



SECRET - 13 -

SECRET

25X1

SECRET

- 14 -

25X1

Annex D (Cont'd) Second-floor Plan of the Main Production Building
(Annex B, Pt. I) Scale 1"=125

LEGEND TO ANNEX D

1. Assembly Room for tubes of all kinds except GM tubes.
- 1a. Auxiliary Assembly Room.
2. Production of parts and assembly of GM tubes.
3. Office of the Chief Engineer and the Chief of Production.
4. Office of the Chief of the Control Department.
5. Office of the Chief of the Testing Section of the Control Department.
6. Testing Shop (so-called old testing shop) for finished tubes of all kinds except those mentioned under Pt. 7 and 8 below.
7. Testing Shop for GT 15 and GT 14 tubes.
8. Assembly Shop for GU 14 and GU 11.
9. Measuring Desks for all special, low-power tubes.
10. Stands for holding tubes during production.
11. Degassing and Evacuating Equipment for:
 - a,b. Water-cooled, high-power, transmitter electronic tubes of the largest size made in the plant. (The equipment for these tubes was old.)
 - c,d. Water-cooled, high-power, transmitter electronic tubes of the largest size made in the plant. (This equipment was built during 1952.)
 - e. Water-cooled, high-power, rectifier tubes.
 - f. Water-cooled, high-power, transmitter tubes (of smaller size than under a, b, c, d, above.).
 - g. Medium-power, special electronic tubes.
 - h. Low-power, special electronic tubes other than under "1".
 1. RC 200/3.5
 - j. MT types, MR types, DEM 2, DET 3, DET 2, ACT 9, ACM 15, ACM 3, ACR 2, ACS 2.
 - k. Low-power, special electronic tubes. This equipment was under construction during 1952 and 1953.
 - l. GM tubes.
 - m. Space where it was planned to install degassing and evacuating equipment for low-power, special tubes. As of early summer 1953, no such equipment had been installed. Temporary x-ray equipment for materials and for finished tubes with external metal anode was located here.

SECRET

SECRET
- 15 -

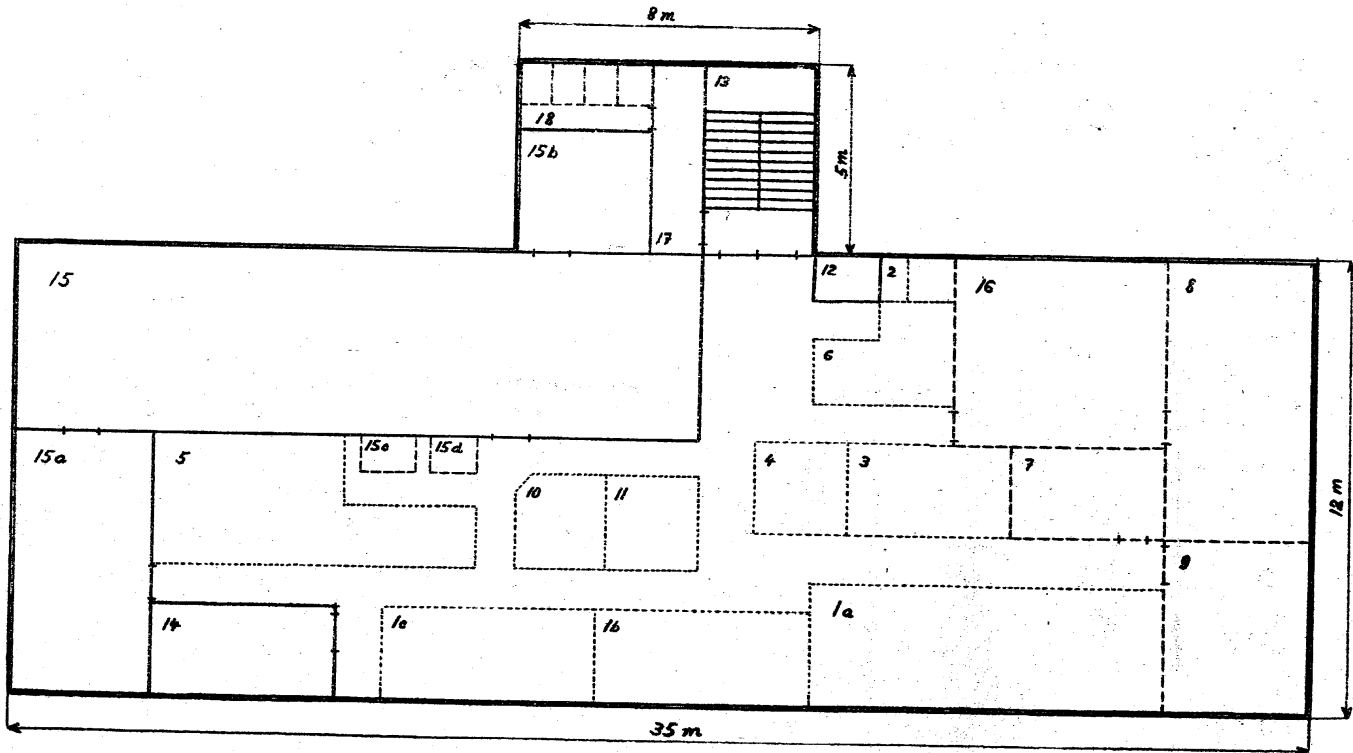
25X1

LEGEND TO ANNEX D (Cont'd)

12. Elevator.
13. Corridor and Stairway.
14. Freight Elevator.
- 14a. Elevator Passageway.
15. Work Bench where rejects were kept.
16. Unoccupied Space.
17. Sectional Cabinet for various items.
18. Work Space where tubes were equipped with supports.
19. Testing Area for GM tubes.
20. Control Shops for glass parts.
21. Power Control Room for the second floor.
22. Machinery Shop.
 - a. Air compressor.
 - b. Gas compressor.
 - c. Air compressor (of a higher compression than under "a").
 - d. High-voltage rectifier (1,200 v.).
 - e. Electric control panel.
23. Dark Room.
24. Corridor.
25. Space for equipment for pre-evacuation of tubes.
26. Stands for large envelopes with sealed anodes and for finished tubes ready for evacuation.
27. Cubicle for the Chief of the Exhaust and Evacuation Section.

SECRET

Approved For Release 2009/06/16 : CIA-RDP82-00046R000400030003-1
(Annex B, Pt. I) Scale 1:125



SECRET
- 16 -

SECRET

25X1

SECRET

- 17 -

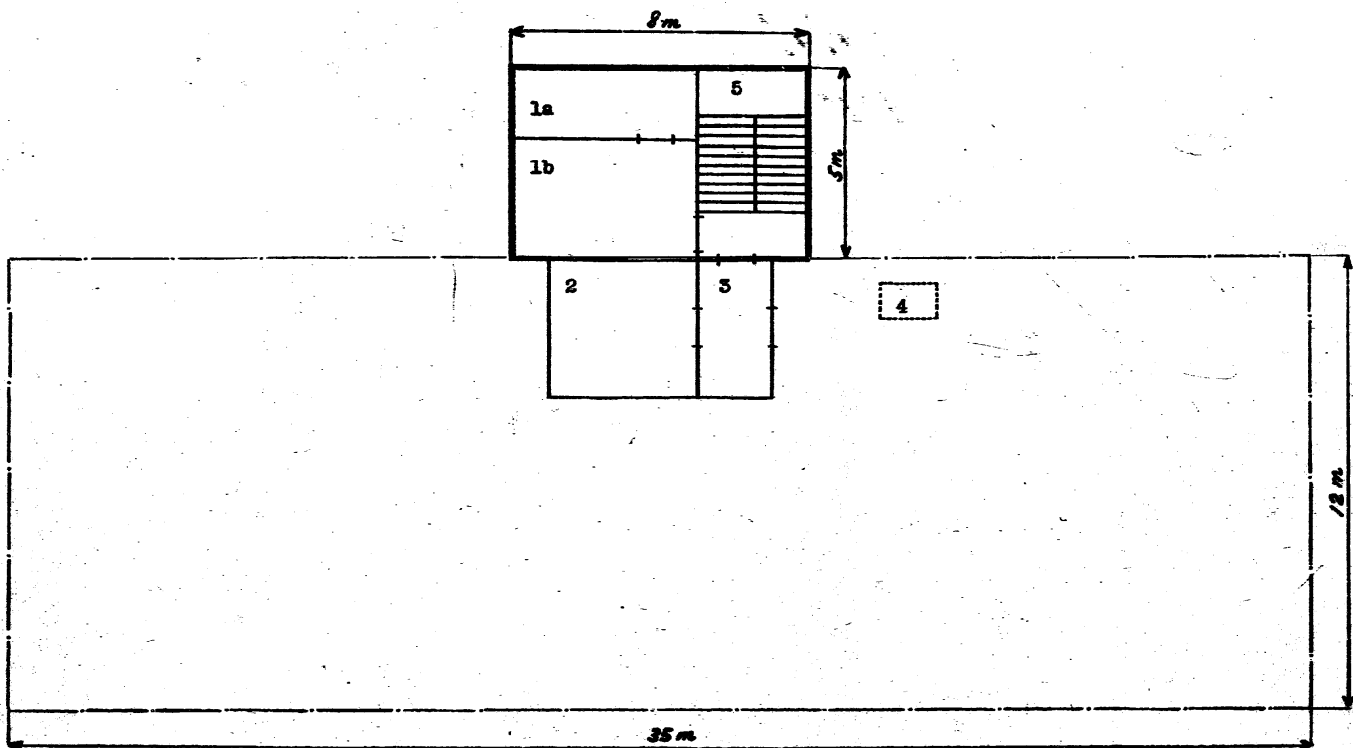
Annex E (Cont'd) Third-floor Plan of the Main Production Building
(Annex B, Pt. I) Scale 1:125

LEGEND TO ANNEX E

1. Work Space for production and assembly of parts for:
 - a. Cathodes and grids for high-power, transmitter tubes.
 - b. Cathodes, grids, anodes, and connecting parts for medium-power tubes.
 - c. Cathodes, grids, anodes, and connecting parts for special low and medium-power tubes.
2. Equipment for welding of tungsten and molybdenum parts by means of oxy-hydrogen flame.
3. Work Space where tungsten and molybdenum parts were worked up while heat-treated.
4. Work Space where copper parts were worked up while heat-treated and soldered.
5. Work Space for auxiliary production for terminals (mainly molybdenum), for platinum terminals and for input wires.
6. Work Space for production of bases, various supports, and of cooling rings.
7. Cubicle for two time and wage clerks.
8. Storage for parts.
9. Storage for parts for cathodes and grids of high-power tubes.
10. Cubicle for the work shop planning official.
11. Storage for glass parts and various other delicate parts.
12. Freight Elevator.
13. Stairway and Corridor.
14. Work Shop Office.
15. Glass Work Department.
- 15a. Auxiliary Shop for glass work department.
- 15b. Washing Room for glass parts.
- 15c. Glasswork Cooling Furnace (tempering furnace; about 15 kw).
- 15d. Glasswork Cooling Furnace (tempering furnace; about 5 kw).
16. Work Shop for inspection of parts, assembly and pre-evacuation of tubes.
17. Corridor.
18. Wash Room.

SECRET

Approved For Release 2009/06/16 : CIA-RDP82-00046R000400030003-1 tion Building
(Annex B, Pt. I) Scale 1:125



25X1

SECRET
- 18 -

SECRET

SECRET
- 19 -

25X1

Annex F (Cont'd) Fourth-floor Plan of the Main Production Building
(Annex B, Pt. I) Scale 1:125

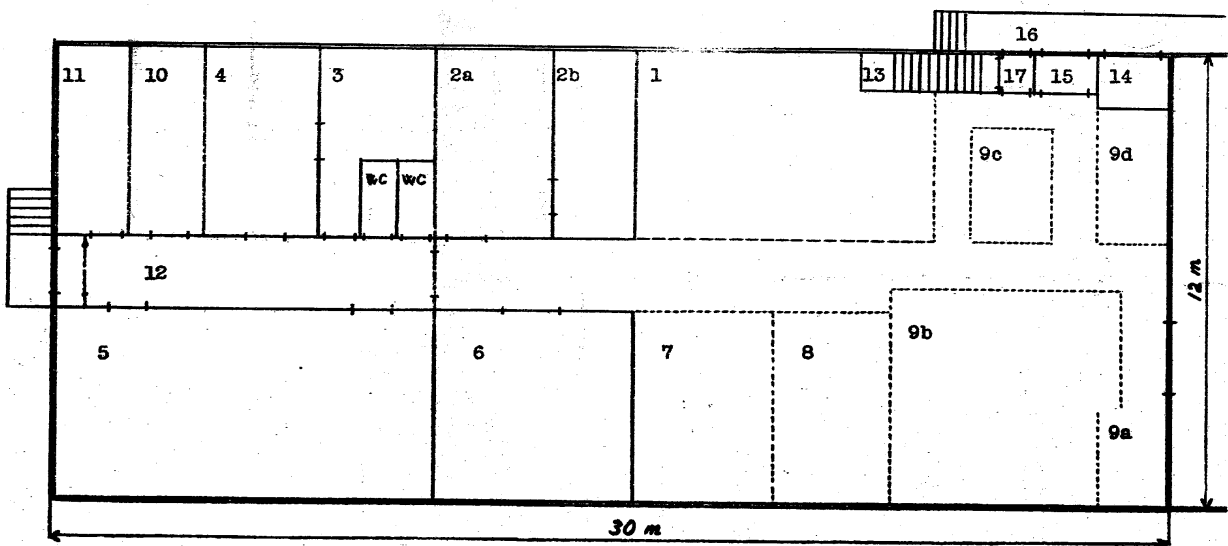
LEGEND TO ANNEX F

1. Planning Department.
 - a. Office of the Chief.
 - b. Office for Chief's Administrative Staff.
2. Spraying Room. (Powdered carborundum was sprayed by means of air pressure on the surface of some metal parts.)
3. Passage to the roof exit.
4. Storage Area for oxygen and hydrogen cylinders which were used for welding of tungsten and molybdenum parts. (see Annex E, Pt. 2.)
5. Stairway and Corridor.

SECRET

Approved For Release 2009/06/16 : CIA-RDP82-00046R000400030003-1

Annex G. First-floor Plan of Production Building (Annex B, Pt. II) Scale 1:125



SECRET

SECRET
- 20 -
25X1

Approved For Release 2009/06/16 : CIA-RDP82-00046R000400030003-1

SECRET
- 21 -

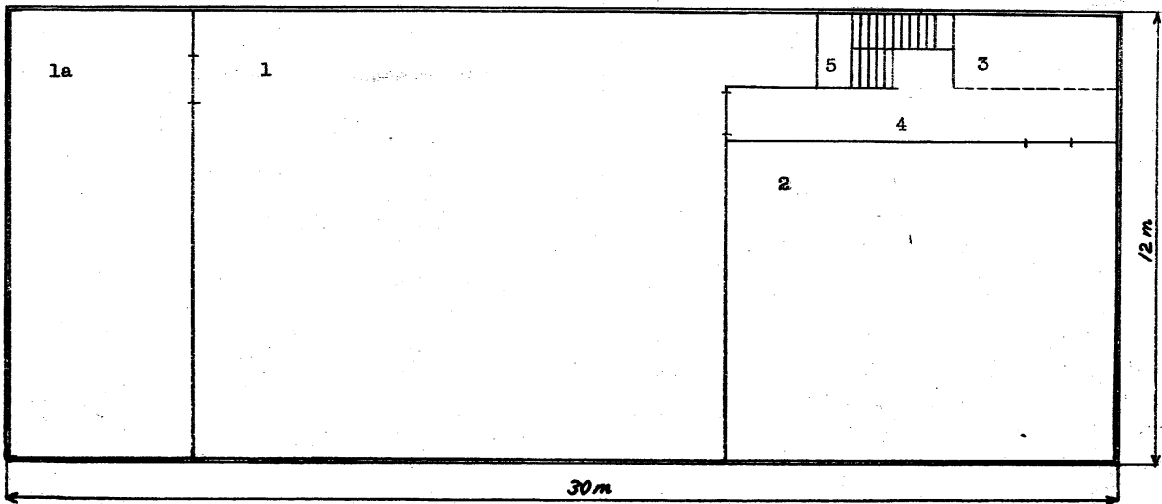
Annex G (Cont'd) First-floor Plan of Production Building (Annex B,
Pt. II) Scale 1:125

LEGEND TO ANNEX G

1. Control Point for materials delivered to the plant.
- 2a - 2b. Chemical Laboratories.
3. Photostat Room.
4. Offices for tube development and office of the chief designer.
5. Tubes Design Shop, standards and design of production equipment.
6. Glasswork Development Work Shops and degassing and evacuation of tube samples shop.
7. Work Shop for Production of Samples.
8. Assembly Room for production equipment.
9. Tool Shop.
 - a. Chief.
 - b, c, d. Production of tools, gauges, and machine parts.
10. Telephone Switchboard and public address system.
11. Intercommunications Switchboard.
12. Corridor.
13. Stairway leading to basement.
14. Freight Elevator.
15. Entry to the loading ramp.
16. Loading Ramp.
17. Employees Entrance.

SECRET

Annex H. Floor Plan of Basement of Production Building
(Annex B, Pt. II) Scale 1:125



SECRET

SECRET

25X1

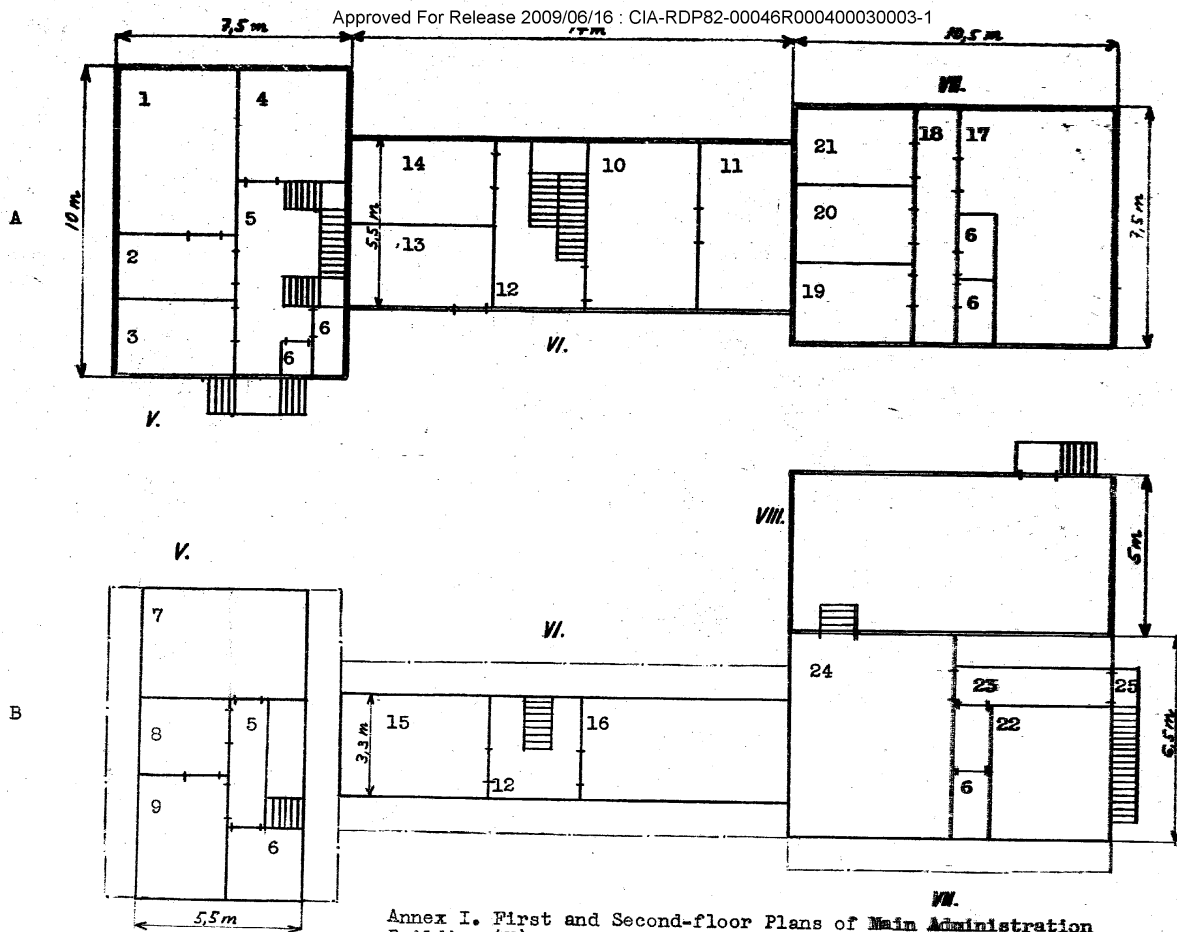
SECRET
- 23 -

25X1

**Annex H (Cont'd) Floor Plan of Basement of Production Building
(Annex B, Pt. II) Scale 1:125****LEGEND TO ANNEX H**

- 1 - 1a. Storage for raw materials, semi-finished products, and finished parts which were not made in the plant.
2. Boiler Plant.
3. Compressor Station for the spraying process (Annex F, Pt. 2).
4. Corridor.
5. Stairway into the basement.

SECRET



Annex I. First and Second-floor Plans of Main Administration Building (V), Social and Administration Building (VI), Administration Building (VII), and Shipping Department (VIII)

SECRET

25X1

- 25 -

Annex I (Cont'd) First and Second-floor Plans of Main Administration Building (V), Social and Administration Building (VI), Administration Building (VII), and Shipping Department (VIII). Scale 1:150

LEGEND TO ANNEX I

V. First-Floor Plan of the Main Administration Building (A)

1. Manager's Office and Auditorium.
2. Office of the Secretary to the Manager.
3. Personnel Office.
4. Office of the Revolutionary Trade Union and of the Plant's Council.
5. Corridors and Stairways.
6. Wash Room.

Second Floor (attic) of the Main Administration Building (B)

- 7, 8, 9. Purchasing Department.

VI. First-Floor Plan of the Social and Administration Building (A)

10. Wages and Salary Department.
11. Production Accounting Office.
12. Corridor and Stairway.
13. Women's Dressing Room.
14. Dressing Room for the plant's militia.

Second Floor (attic) of the Social and Administration Building (B)

15. Plant Militia Club Room (and probably storage of arms)
16. Club Room of the Plant's CP and Plant's CSN Organizations.

VII. First-Floor Plan of the Administration Building (A)

17. Offices for Production Preparation.
18. Corridor.
19. Building Maintenance.
20. Office Supply Room.
21. (Source cannot remember.)

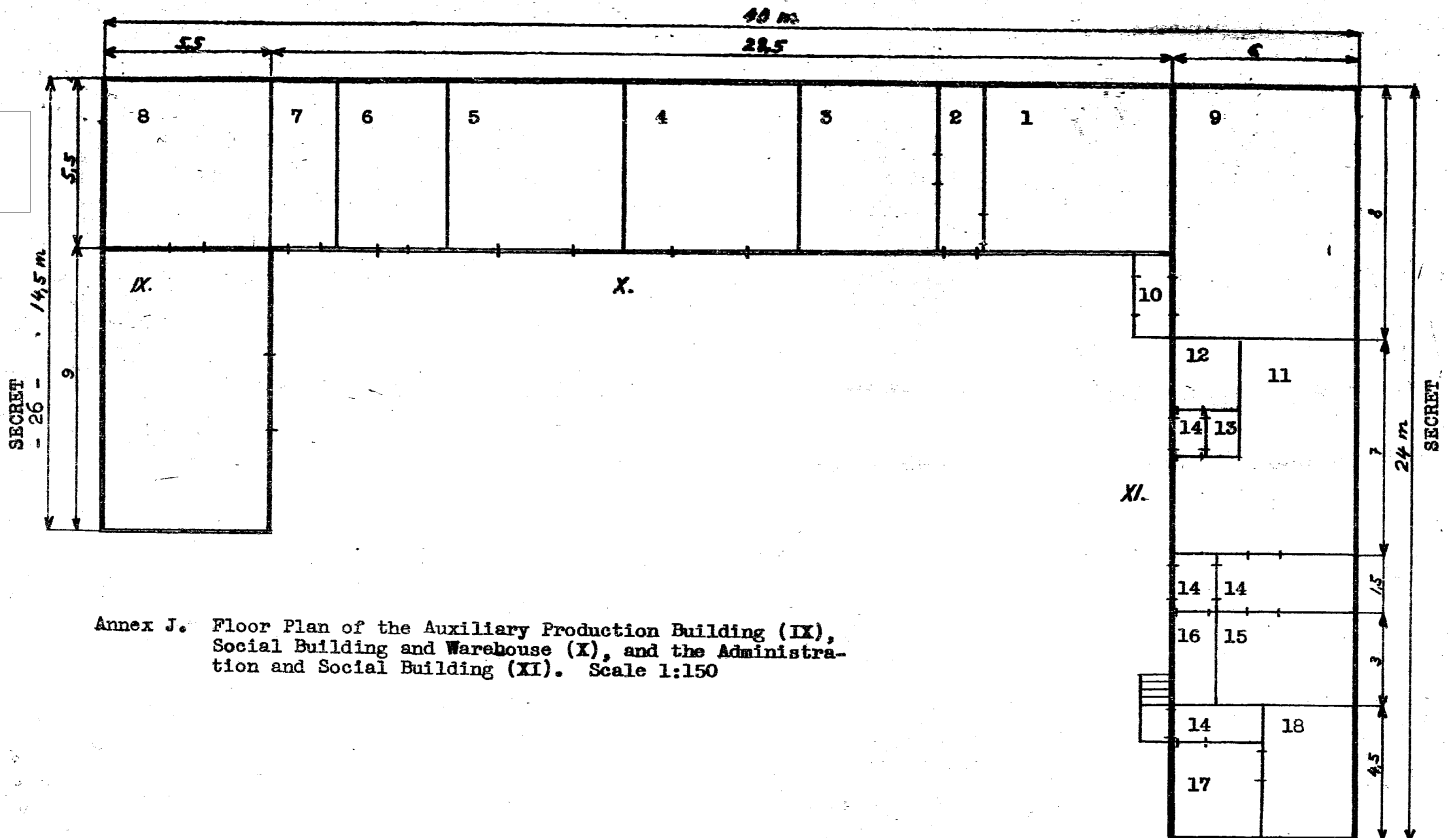
Second Floor of the Administration Building (B)

22. Sales Department.
23. Corridor.
24. Storage of Finished Tubes (It was planned to use this space in the future for designing of the production equipment and to transfer it from the Tubes Design Shop. Annex G, Pt. 57).

25. Stairway.

VIII. Shipping Department.

SECRET



Annex J. Floor Plan of the Auxiliary Production Building (IX), Social Building and Warehouse (X), and the Administration and Social Building (XI). Scale 1:150

25X1

SECRET

25X1

- 27 -

Annex J (Cont'd) Floor Plan of the Auxiliary Production Building (IX), Social Building and Warehouse (X), and the Administration and Social Building (XI) Scale 1:150

LEGEND TO ANNEX J

- IX. Auxiliary Production Building.
- X. Social Building and Warehouse.
 - 1. Showers.
 - 2. Corridor.
 - 3. Men's Dressing Room.
 - 4 - 5. Fire Fighting Equipment.
 - 6. Production of Liquid Air.
 - 7. Storage of Chemicals.
 - 8. Storage for Materials for Auxiliary Production Located in Auxiliary Production Building (IX).
- XI. Administration and Social Building.
 - 9. Mess Hall.
 - 10. Entrance to the Mess Hall.
 - 11. Kitchen.
 - 12. Canteen.
 - 13. Wash Room.
 - 14. Corridor.
 - 15. Storage of Foodstuffs for Plant's Kitchen.
 - 16. Office of the Plant's Kitchen.
 - 17 - 18. Transportation Office.

SECRET