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INFORMATION REPORT

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SUPPLEMENT TO REPORT NO. 25X1

[Redacted]

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THIS IS UNEVALUATED INFORMATION

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[Redacted]

1. The first task [] at Kiev was that of setting up the Zeiss equipment which had been moved from Jena [] This took about three years, and [] not in full production until the middle of 1949. []

2. In the whole plant there were approximately 5000 employees. About one-fourth of the Soviet employees were women, and they proved to be fairly good workers, particularly when it came to precision work. The figures shown below indicate the number of employees required to produce the various instruments manufactured at Arsenal No 1 []

Alidade (Soviet).....	30
Alidade (Zeiss).....	
Leveling instrument (Soviet).....	8
Leveling instrument (Zeiss).....	6
Theodolite (TH40 - Zeiss).....	8
Goniometer (Zeiss).....	2
Box compasses	1

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25X1 [redacted] the following figures regarding the number of instruments which were produced monthly (1948-52):

Alidade (Soviet).....	200
Alidade (Zeiss).....	150
Leveling instrument (Soviet).....	130
Leveling instrument (Zeiss-Model A)	30
Theodolite (TH40--Zeiss).....	10
Goniometer (Zeiss).....	50
Box Compasses.....	50

25X1 3. At no time [redacted] any shortage of material. Parts were always readily available at the stock pile. [redacted] the principal difficulty with the material was that the aluminum and brass were both too porous; the aluminum would not hold the plating very well and the brass was often too porous to work. [redacted]

25X1 4. The Soviets had a laboratory [redacted] the Soviets were working on a system of automatic collimation and that they were also trying to develop a better theodolite than the TH40 (the old Zeiss instrument). The two Germans most familiar with the research that was being conducted by the Soviets were Doering and Dr Herbert Schorsch; both were excellent men in their field. They were employed at a rather high level in the Construction Office immediately under the Plant Engineer. These men were respected at the plant both by the Soviets and the Germans.

25X1 5.

[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

25X1 [redacted] the administrative organization of Arsenal No 1. See Enclosure (A), an Organizational Chart of Arsenal No 1, Kiev.

25X1 6. After our stay in Kiev, it was very good to return to work at the Zeiss plant in Jena (in January 1952). The equipment there was new and in excellent condition. While I was there they were working on the development of a new precision level and there was talk of a new theodolite, but I did not see either of the instruments, [redacted] out any of the details of the proposed changes in the instruments. The Zeiss plant was having about the same difficulty with the metals as was the plant in Kiev. The aluminum and brass were both porous and difficult to work. (The steel used at both places, however, was very good.) The Zeiss plant was also having supply problems; there was not enough brass and consequently aluminum was being substituted for brass wherever possible.

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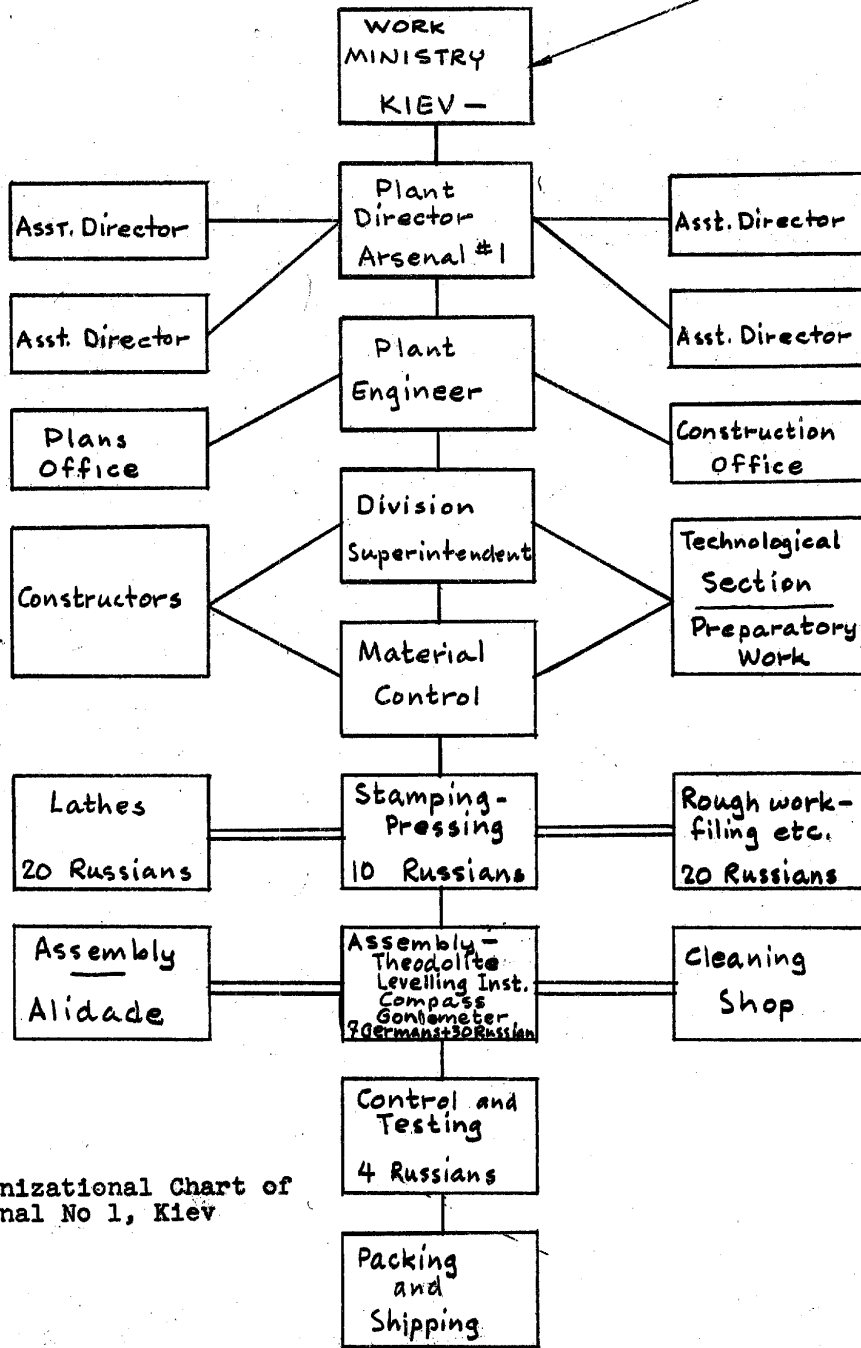
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ENCLOSURE (A) : Organizational Chart of Arsenal No 1, Kiev

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Organizational Chart of Arsenal No 1, Kiev

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