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PHOTOGRAPHIC INTERPRETATION REPORT

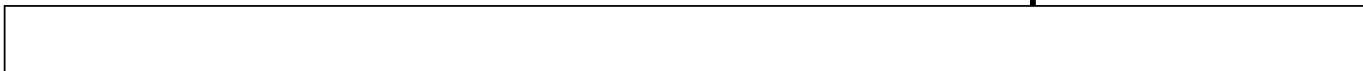
**CHRONOLOGY OF
AIRFRAME PLANT 166,
OMSK, USSR**

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CHRONOLOGY OF AIRFRAME PLANT 166, OMSK, USSR

INTRODUCTION

This report is a study of the chronological development of Airframe Plant 166 (S4-57N073-26E), Omsk, USSR, during the period [redacted]

The study is based on information compiled from all available photography of the plant through [redacted]

Plant 166 is located on the eastern edge of Omsk (Figure 1), adjacent to Aircraft Engine Plant Baranova 29. It comprises 3 major areas: A main plant area (Figure 2), a final assembly and checkout area (Figure 3), and Omsk Airfield East. The final assembly and checkout area is located at the

airfield, which serves as a test and flyaway field. The main plant area and the final assembly and checkout area are connected by both rail spurs and good all-weather roads.

Airframe Plant 166 has been a major producer of Soviet aircraft; however, in recent years there has been an almost total lack of photographic evidence of aircraft production. There is some photographic evidence of a modification or repair program for both FIDDLER and FISHPOT. These aircraft have been observed in large and varying numbers at the final assembly hall and at the flyaway field. It cannot be determined from existing photography whether the plant is engaged in missile production, or, if it is, to what extent the plant facilities are engaged in

such production.

A building-by-building construction history of Plant 166 is presented graphically in Figures 2 and 3 and in tabular form in Tables 1 and 2, which also provide interpretations of the probable functions of all the structures and comments on some structures. All item numbers in the text are keyed to Tables 1 and 2 and Figures 2 and 3.

HIGHLIGHTS OF CHRONOLOGY

1957

Airframe Plant 166 was first observed on [redacted] photography of [redacted] at which time the major structures contained in the main plant area included a large



FIGURE 1. AIRFRAME PLANT 166, OMSK, USSR.

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Table 1. Data on Main Plant Area of Airframe Plant 166
(Item numbers are keyed to Figure 2)

Item No	Probable Function	Dimensions (ft)		Roof Cover (sq ft)	Date First Observed*	Comments	Item No	Probable Function	Dimensions (ft)		Roof Cover (sq ft)	Date First Observed*	Comments
		L	W						L	W			
1	Utility bldg						46	Overhead crane					
2	Shop bldg						47	Shop bldg					
3	Utility bldg						48	Utility bldg					
4	Semburied tank					Prob a water tank	49	Utility bldg					
5	Admin bldg						50	Utility bldg					
6	Admin bldg					Completed by [redacted]	51	Utility bldg					
						Replaces an old admin bldg which has been torn down	52	Utility bldg					
7	Admin/engineering bldg						53	Utility bldg					
8	Utility bldg						54	Utility bldg					
9	Utility bldg						55	Shop bldg					
10	Utility bldg						56	Warehouse					
11	Shop bldg						57	Utility bldg					
12	Shop bldg						58	Utility bldg					
13	Assembly/shop bldg						59	Utility bldg					
14	Shop bldg						60	Warehouse					
15	Utility shed						61	Warehouse					
16	Utility bldg						62	Warehouse					
17	Utility bldg						63	Warehouse					Completed by [redacted]
18	Utility bldg						64	Warehouse					Completed by [redacted]
19	Shop bldg												Completed by [redacted]
20	Utility bldg					Completed by [redacted]	65	Shop bldg					
21	Utility bldg						66	Utility bldg					
22	Steamplant					Fuel system converted from coal to fuel oil by [redacted]	67	Utility bldg					
23	Utility bldg						68	Warehouse					
24	Utility bldg						69	Shop bldg					
25	Pumphouse												Currently being expanded for second time since [redacted]
26	POL tanks (4)						70	Warehouse					
27	Shop bldg					Fuel oil supply for steamplant (item 22)	71	Warehouse					Completed by [redacted]
28	Shop bldg						72	Warehouse					
29	Lab/engineering bldg					Currently being expanded	73	Utility bldg					
							74	Warehouse					
						Bldg is aprx 90% complete externally	75	Utility bldg					
30	Warehouse						76	Utility bldg					
						Completed by [redacted] Prob a temporary bldg for construction	77	Utility bldg					
31	Shop bldg						78	Shop bldg					
32	Utility bldg						79	Utility bldg					
33	Utility bldg						80	Warehouse					
34	Utility bldg						81	Warehouse					Completed by [redacted]
35	Utility bldg						82	Covered reservoir					
36	Admin bldg						83	Pumphouse					Completed by [redacted]
37	Security bldg												
38	Assembly bldg					Completed by [redacted]	84	Utility bldg					
						Height 20-30 ft. Bldg expanded between [redacted]	85	Utility bldg					
39	Warehouse						86	Shop bldg					Completed by [redacted]
40	Utility bldg						87	POL tank					Height 30-70 ft.
41	Utility bldg						88**	Utility bldg					
42	Admin bldg						89**	Utility bldg					
43	Warehouse						90**	Utility bldg					
44	Warehouse						91**	Admin bldg					
45	Warehouse					Completed by [redacted]	92**	Admin bldg					
							93**	Utility bldg					
							94**	Warehouse					
						Completed by [redacted]	95**	Shop bldg					
							96**	Steamplant					
						Completed by [redacted]	97**	Utility bldg					

*Items were complete when first observed unless otherwise noted.
**Has not been included in previous reports on Plant 166.

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Table 2. Data on Final Assembly Area of Airframe Plant 166
(Item numbers are keyed to Figure 3)

Item No	Probable Function	Dimensions (ft)		Roof Cover (sq ft)	Date First Observed*	Comments	Item No	Probable Function	Dimensions (ft)		Roof Cover (sq ft)	Date First Observed*	Comments
		L	W						L	W			
1	Admin bldg					Completed by [redacted]	24	Cooling pond					Serves shop bldg (item 23)
2	Utility bldg					Tank is prob a water tank	25	Warehouse					Small office-type bldg This bldg has been expanded twice and will prob be expanded again in near future Height 85 ft Completed by [redacted] Completed by [redacted] Completed by [redacted] Serves fuel oil tanks (item 43) Completed by [redacted] Tanks contain fuel oil for steamplant (item 40)
3	Pumphouse & underground tank						26	Shop bldg					
4	Utility bldg						27	Shop bldg					
5	Repair hangar					28	Utility bldg						
6	Utility bldg					29	Utility bldg						
7	Bldg u/c					30	Utility bldg						
8	Bldg u/c					31	Utility bldg						
9	Utility bldg					32	Admin bldg						
10	Utility bldg					33	Utility bldg						
11	Warehouse					34	Utility bldg						
12	Shop bldg					35	Final assembly bldg						
13	Utility bldg												
14	Utility bldg					36	Utility bldg						
15	Warehouse					37	Utility bldg						
16	Utility bldg					38	Utility bldg						
17	Bunker					39	Utility bldg						
18	Bldg u/c					40	Steamplant						
19	Bldg u/c					41	Utility bldg						
20	POL area					42	Pumphouse						
21	Utility bldg												
22	Utility bldg					43	POL tanks (4)						
23	Shop bldg					Completed by [redacted]							

*Items were complete when first observed unless otherwise noted.

assembly building (item 38, Figure 2), an assembly/shop building (item 13), 6 shop buildings (items 11, 12, 14, 47, 65, and 69), 2 large warehouses (items 39 and 43), 2 administration buildings (items 5 and 36), an administration/engineering building (item 7), and a steamplant (item 22). Major structures in the final assembly and checkout area consisted of a shop building (item 12, Figure 3), a repair hangar (item 5), a POL area (item 20), and a large final assembly building (item 35), which was just nearing completion. The new Omsk Airfield East was in an early stage of construction in [redacted]

1961
[redacted] provided the first photographic coverage of Plant 166 since [redacted] and revealed the expansion of some facilities. The large assembly building in the main plant area was expanded by the addition of a large new section. In the final assembly and checkout area a large wing on the final assembly building was in an early stage of construction. Several small

buildings were also observed under construction in this area. The Omsk Airfield East was completed by [redacted]

1962
Significant construction occurring within the main plant area during this year included the addition of a warehouse (item 72, Figure 2) by [redacted] and the completion of 3 more warehouses (items 44, 45, and 80) between [redacted] and [redacted]. A large shop building (item 86) was first observed under construction in [redacted]. In the final assembly and checkout area a large warehouse (item 25, Figure 3) and several small buildings were completed during the year. The large wing on the final assembly building (item 35), which was first observed in [redacted] was completed by [redacted]

1963 - 1964
Construction activity during 1963 and 1964 was confined almost entirely to the final assembly and checkout area. In [redacted] it became apparent that the wing which had

been added to the final assembly building would be further enlarged. A steamplant (item 40, Figure 3), an administration building (item 1), and a shop building (item 23) were also observed under construction in [redacted]

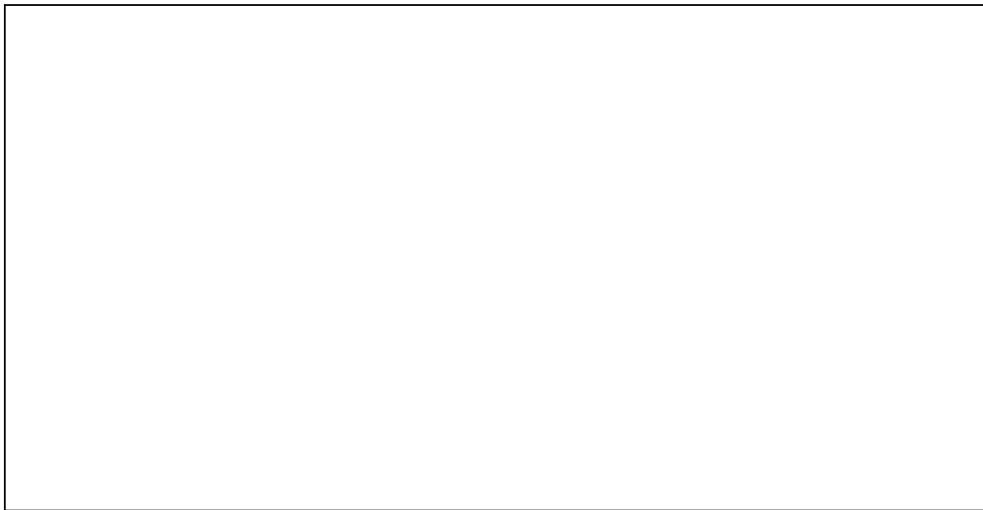
1965 - 1967
The majority of new construction observed from [redacted] occurred within the main plant area. A small shop building (item 19, Figure 2), 5 warehouses (items 30, 62, 63, 64, and 71), and an administration building (item 6) were completed during this time span. A new laboratory/engineering building (item 29) has been under construction since [redacted] and 2 older shop buildings (items 28 and 69) are currently being expanded. In the final assembly and checkout area, it appears that a large-scale expansion program may be initiated. The fence/wall surrounding this area has been altered so as to include almost twice the area enclosed by the old fence. Footings for several small buildings (items 7, 8, 18, and 19, Figure 3) are visible.

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REFERENCES



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