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BY TAG PER  
8 W 196

C. I. U.  
KEY BOMBER COMMAND  
APO 234, c/o POSTMASTER  
SAN FRANCISCO, CALIFORNIA.

U. S. Army Liaison  
2501 Gess Street  
JUL 7 1945  
For Economic Admin.

(Combined Photo Interpretation Sections:  
3rd Photo Reconnaissance Squadron  
and  
35th Photo Technical Unit)

27 March 1945

INDUSTRIAL REPORT NO. 9

RESTRICTED  
REGRADED  
ORDER SEC ARMY  
BY TAG PER  
8 W 196

TARGET 198  
ATSUTA PLANT, AICHI AIRCRAFT WORKS  
and

TARGET 2010  
NAGOYA PLANT, AICHI AIRCRAFT ENGINE WORKS

(35/07/24 N--136/54/00 E)

- References:
- a. IAF Objective Folder 90.20, 6 July 1944.
  - b. Map Nagoya, Southeast Aichi Prefecture, Honshu, Japan, scale 1:12,500, AMS.
  - c. Target Information Sheet, IAF Target No. 90.20-2010, 10 February, 1945, Joint Target Group, Washington, D. C.
  - d. Target Information Sheet, IAF Target No. 90.20-198, 11 September 1944, Joint Target Group, Washington, D. C.
  - e. The Aircraft Industry, Photo Industrial Study No. 5, United States Armed Forces, December 1944.
  - f. CINCPAC-CINCPON, Special Advance Report, No. AI-45.
  - g. Joint Target Group Air Target System Folder, Japanese Aircraft Sheet No. ATSF/AC/D, Page 1; Washington, D. C., 12 January 1945.

SUMMARY

Target 2010 is reported producing aircraft engines and 13mm ammunition. Target 198 produces aircraft parts and precision ordnance equipment.

Both Aichi plants are in Nagoya City. They are 2.5 miles S of the center of the city, 4 miles S of Nagoya Castle and 2 miles NNE of Nagoya Harbor piers (Target 251).

The two branches of the Hori River meet at a point about 700' E of Target 198 and about 1600' E of Target 2010. A canal bearing E-W terminates at the SW corner of Target 2010. The old section of this canal (along the S side of Target 2010) is partly filled in.

A main NE-SW highway separates the two plants.

Total ground area, Target 198.....2,170,000 sq. ft.  
 Total built-up area, Target 198.....1,192,000 sq. ft.  
 Ground area covered by buildings...55 percent.

Total ground area, Target 2010.....770,000 sq. ft.  
 Total built-up area, Target 2010...467,500 sq. ft.  
 Ground area covered by buildings...60.5 percent.

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(Note: A detailed study of all building areas, heights and roof types is appended to this report.)

TARGET 198: The Atsuta plant formerly produced aircraft engines, airframes, propellers and instruments for VAL and KATE types. Now the plant is reported to be concentrating its production on aircraft parts and precision ordnance equipment such as mines and torpedoes.

The plant proper covers approximately 50 acres and is compactly built up. Expansion was under way as early as 1936 and in 1944 a new aircraft engine factory (Target 2010) was reported adjoining the old plant compound on the W. Most of the buildings are of modern steel-frame, sawtooth-roof construction. The roofs are covered with slate-asbestos composition. The floors are concrete and the walls are largely glass (reference f).

The machine shop is probably located in building 18. An iron foundry is in buildings 32 A and 32 B, both of which have monitor roofs and 12 short metal stacks. Two stacks adjoin buildings 32 A and 32 B. The stack on the N is 110' x 12' x 6'; the stack W of building 32 A is 100' x 12' x 8'.

The plant may be considered to be divided in three sections: instruments, ordnance, aircraft parts and assembly (reference f). The areas occupied by the three sections are shown on the accompanying plant plan as A, B and C, respectively.

A POW who worked in building 14 reports that in 1940 this building housed production of precision ordnance equipment, mines, torpedoes. The pond S of building 25 and N of building 31 A is used for torpedo testing.

The plant is not now engaged in final assembly of aircraft. Sub-assembly is completed and parts are then shipped by truck to final assembly plants. POW indicates that the manufacture of propellers takes place in the Sumitomo Duralumin Mill (Target 2040) just S of Target 198 (reference f).

Target 198 has undergone minor building changes since 23 November 1944, the date of first photo coverage. The following table shows in chronological order the changes observed and the dates of photo coverage:

3PR4M 17, 23 November 1944.....	First cover.
3PR5M 13, 14 January 1945.....	13,500 sq. ft. removed.
3PR5M 73, 9 March 1945.....	9,700 sq. ft. removed.
3PR5M 79, 12 March 1945.....	5,400 sq. ft. removed.
3PR5M 80, 13 March 1945.....	no change.

Total building area removed: 28,600 square feet.  
(Print 3PR5M 80--3R:14 is attached to show buildings removed.)

CAMOUFLAGE: Most of the buildings in Target 198 are disruptively painted.

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TARGET 2010: This plant is a new aircraft engine factory reported to have started production in 1941. It produces the ATSUTA engine (1200 h.p., 12 cylinder, in-line) used in Navy single-engine dive-bomber JUDY and the new SEIRAN. Mines, torpedoes and other ordnance are also reported produced here (reference g).

The plant's boiler house is building 21, which has a monitor roof and one stack 120' x 20' x 8'.

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Industrial Report No. 9, Cont'd.

There is no photographic evidence that engine test cells (for aircraft engines) are present. It is believed that the engines are carried by truck to be tested in the company's Tsukiji plant, Target 1328 (see L-4 in reference a; see also reference g).

Target 1328 is 2.5 miles SSW in the Nagoya harbor area. The plant is in an area of about 190,000 square feet. The built-up portion is mainly test cells and small single-ridge roof buildings. There are six L-type test cells in building 1. Two U-type test cells are in building 2 (58' x 56') which has exhaust openings 50' in height. An adjoining structure, building 3 (190' x 95') has four unconventional type test cells each approximately 38' in height. In the same building are two more U-type test cells with exhaust openings approximately 65' in height. It is estimated that these test cells have a combined capacity of 180 engines a month (reference g).

Several buildings were damaged during the Nagoya City strike of 19 March 1945. Damage assessment photo coverage is limited to photography of small scale (1:60,000) which does not permit detailed assessment.

Target 2010 has undergone minor building changes since 23 November 1944, the date of first photo coverage. The following table shows in chronological order the changes observed and the dates of photo coverage:

3PR4M 17, 23 November 1944.....first cover.  
 3PR5M 13, 14 January 1945.....12,500 sq. ft. removed.  
 3PR5M 73, 9 March 1945.....30,500 sq. ft. removed.  
 3PR5M 79, 12 March 1945.....no change.  
 3PR5M 80, 13 March 1945.....no change.

Total building area removed: 43,000 square feet.  
 (Print 3PR5M 80--3R:14 is attached to show buildings removed.)

CAMOUFLAGE: With the exception of a few small buildings, all structures have disruptive painting.

DEFENSES: There are no defenses within a half-mile radius of the plant.

APPENDIX  
TARGET 198

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.ft.</u>	<u>Height</u>	<u>Remarks</u>
1 A	100' x 70'	7,000	15' to ridge, 8' to eaves.	Double-ridge roof.
1 B	100' x 75'	7,500	17' to ridge, 12' to eaves.	Sawtooth roof.
1 C	100' x 190'	19,000	22' to ridge, 17' to eaves.	Sawtooth roof.
2 A	100' x 180'	18,000	22' to ridge, 15' to eaves.	Sawtooth roof.
2 B	250' x 100'	25,000	32' to ridge, 24' to eaves.	Sawtooth roof.
2 C	100' x 105'	16,000	40' to ridge, 35' to eaves.	Sawtooth roof.
2 D	100' x 44'	4,000	40' to ridge, 30' to eaves.	Single-ridge roof.

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Industrial Report No. 9, Cont'd.

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.Ft.</u>	<u>Height</u>	<u>Remarks</u>
3 A	40' x 60'	2,400	-----	Single-ridge roof
3 B	44' x 60'	2,600	-----	Single-ridge roof
4	96' x 140'	13,000	30' to ridge, 20' to eaves.	Sawtooth roof.
5	110' x 120'	13,000	47' to edge.	Flat roof.
6 A	35' x 92' 40' x 60'	7,800	32' average.	Ridge roof, 3,000 sq. ft.; flat roof 2,400 sq. ft.
6 B	40' x 60' 60' x 100'	8,400	-----	Single-ridge roof
6 C	100' x 35'	3,500	-----	Single-ridge roof
7 A	100' x 440'	44,000	25' to ridge, 17' to eaves.	Sawtooth roof.
7 B	140' x 330'	46,000	25' to ridge, 17' to eaves.	Sawtooth roof.
7 C	60' x 24'	1,400	-----	Single-ridge roof
8	40' x 100'	4,000	24' to ridge, 12' to eaves.	Single-ridge roof
9 B	240' x 100'	24,000	-----	Sawtooth roof.
9 A	44' x 85'	3,700	24' to ridge, height to eaves unknown.	Single-ridge roof
10 A	160' x 440'	70,000	52' to ridge, 40' to eaves.	Sawtooth roof.
10 B	160' x 400' 100' x 340' 170' x 150' 80' x 430' 200' x 180'	194,000	32' to ridge, 25' to eaves.	Sawtooth roof.
10 C	90' x 45'	4,000	-----	Single-ridge roof
10 D	80' x 140'	11,000	-----	Single-ridge roof
*10 E	60' x 90'	5,400	-----	Building removed.
10 F	100' x 75'	7,500	-----	Ridge roof.
10 G	180' x 240'	43,000	37' to ridge, 30' to eaves.	Sawtooth roof.
10 H	280' x 240'	67,000	37' to ridge, 25' to eaves.	Ridge roof
11	58' x 120'	10,000	40' to edge.	Flat roof.
12 A	68' x 40'	2,700	-----	Single-ridge roof

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<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.Ft.</u>	<u>Height</u>	<u>Remarks</u>
12 B	68' x 40'	2,700	-----	Single-ridge roof
13 A	40' x 90' 40' x 60' 40' x 60'	8,400	30' to ridge.	Single-ridge roof
13 B	90' x 25'	2,200	-----	Single-ridge roof
14	260' x 230'	60,000	30' to ridge, 19' to eaves.	Sawtooth roof.
15 A	260' x 60'	15,000	-----	Single-ridge roof
15 B	180' x 60' 260' x 80' 20' x 200'	35,000	-----	Multiple-ridge roof.
15 C	50' x 30'	15,000	-----	Flat roof.
16 B	56' x 58'	3,200	-----	Single-ridge roof
16 A	250' x 60' 100' x 180' 120' x 80'	32,500	-----	Sawtooth roof.
*17	260' x 70'	18,000	-----	Building removed.
*18 A	80' x 65'	5,200	-----	Building removed.
18 B	96' x 100'	9,600	-----	Multiple-ridge roof.
18 C	250' x 200'	50,000	-----	Sawtooth roof.
19 A	76' x 160'	12,000	-----	Monitor roof.
19 B	65' x 160'	10,000	-----	Monitor roof.
19 C	60' x 160'	9,600	-----	Monitor roof.
19 D	70' x 50'	3,500	-----	Sawtooth roof.
20	80' x 64'	5,000	-----	Double ridge roof
21	28' x 50'	1,400	-----	Single-ridge roof
22	60' x 28'	1,700	-----	Single-ridge roof
23	36' x 70'	2,500	-----	Monitor roof.
24	40' x 105'	4,500	-----	Single-ridge roof
25	85' x 40'	3,400	30' to ridge, 15' to eaves.	Single-ridge roof
26	50' x 60'	3,000	-----	Single-ridge roof
27	70' x 20'	1,400	-----	Single-ridge roof
28	200' x 30'	6,000	-----	Single-ridge roof
29	120' x 60'	7,000	-----	Monitor roof.
30	60' x 55'	3,300	-----	Single-ridge roof
31 A	85' x 320'	27,000	42' to ridge, 30' to eaves.	Double-ridge roof

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Industrial Report No. 9, Cont'd.

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.Ft.</u>	<u>Height</u>	<u>Remarks</u>
31 B	80' x 95'	7,600	-----	Sawtooth roof.
31 C	24' x 60'	1,400	-----	Single-ridge roof.
32 A	68' x 310'	21,000	-----	Monitor roof.
32 B	62' x 31'	18,000	-----	Monitor roof.
33	90' x 48'	4,300	-----	Single-ridge roof.
34	50' x 40'	2,000	-----	Single-ridge roof.
35 A	140' x 120'	17,000	45' to ridge, 17' to eaves.	Monitor roof.
35 B	210' x 120'	25,000	-----	Sawtooth roof.
36	320' x 100'	30,000	30' to ridge, 22' to eaves.	Sawtooth roof.
37	120' x 136'	16,000	-----	Sawtooth roof.
38 A	40' x 40'	1,600	-----	Single-ridge roof.
38 B	65' x 220' 190' x 60'	25,000	-----	Sawtooth roof.
39	140' x 32'	4,500	-----	Single-ridge roof.
40	40' x 40'	1,600	-----	Single-ridge roof.
41	180' x 20'	3,000	-----	Single-ridge roof.
42	30' x 40' 20' x 68'	2,500	-----	Single-ridge roof.
43	40' x 170'	7,000	30' to ridge, height to eaves unknown.	Single-ridge roof.

TOTAL ROOF AREA: 1,192,000 square feet

\* Not included in total.

TARGET 2010

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.Ft.</u>	<u>Height</u>	<u>Remarks</u>
1 A	140' x 48' 48' x 32'	8,200	50' to ridge, 32' to eaves.	Single-ridge roof.
1 B	130' x 48' 44' x 48'	8,300	50' to ridge, 32' to eaves.	Single-ridge roof.
1 C	56' x 24'	1,300	-----	Single-ridge roof.
2	40' x 90' 40' x 65'	6,200	37' to ridge, height to eaves unknown	Single-ridge roof.
3 A	24' x 44' 40' x 88'	4,500	-----	Sawtooth roof.

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Industrial Report No. 9, Cont'd.

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.Ft.</u>	<u>Height</u>	<u>Remarks</u>
3 B	490' x 250' -(90' x 50')	112,000	-----	Sawtooth roof.
*3 C	480' x 40' 60' x 32'	24,000	-----	Building removed.
3 D	60' x 230' 44' x 760' 220' x 70'	36,000	27' to ridge, 14' to eaves.	Sawtooth roof.
3 E	150' x 70'	10,000	-----	Monitor roof.
3 F	180' x 40'	7,000	-----	Monitor roof.
3 G	180' x 40'	7,000	-----	Monitor roof.
3 H	250' x 250'	63,000	27' to ridge, 14' to eaves.	Sawtooth roof.
4 A	60' x 120'	7,000	35' to ridge, 30' to eaves.	Double-ridge roof.
4 B	60' x 120'	7,000	-----	Single-ridge roof.
4 C	68' x 36' 70' x 28' 28' x 32'	5,300	30' to ridge, height to eaves unknown	Single-ridge roof.
5	80' x 40' 40' x 48' 40' x 28' 32' x 32'	7,200	50' to ridge, 32' to eaves.	Single-ridge roof.
6 A	80' x 250'	20,000	-----	Sawtooth roof.
6 B	80' x 250'	20,000	27' to ridge, height to eaves unknown	Monitor roof.
7 A	90' x 40' 48' x 60'	6,500	-----	Single-ridge roof.
*7 B	150' x 40'	6,000	-----	Building removed.
7 C	32' x 55'	1,700	-----	Single-ridge roof.
8	48' x 48'	4,200	32' to ridge, 18' to eaves.	Multiple ridge roof.
9	80' x 88'	7,000	-----	Double-ridge roof.
10	48' x 150'	7,200	40' to ridge, height to eaves unknown	Single-ridge roof.
11 A	44' x 95'	4,200	40' to ridge, height to eaves unknown	Single-ridge roof.
11 B	65' x 75'	4,900	-----	Double-ridge roof.
*12	44' x 150'	6,500	-----	Building removed.
*13 A	44' x 150'	6,500	-----	Building removed.

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(Combined Photo Interpretation Sections:  
3rd Photo Reconnaissance Squadron  
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27 March 1945

INDUSTRIAL REPORT NO. 9

TARGET 198  
ATSUTA PLANT, AICHI AIRCRAFT WORKS  
and  
TARGET 2010  
NAGOYA PLANT, AICHI AIRCRAFT ENGINE WORKS  
(35/07/24 N--136/54/00 E)

- References:
- a. AAF Objective Folder 90.20, 6 July 1944.
  - b. Map Nagoya, Southeast Aichi Prefecture, Honshu, Japan, scale 1:12,500, AMS.
  - c. Target Information Sheet, AAF Target No. 90.20-2010, 10 February, 1945, Joint Target Group, Washington, D. C.
  - d. Target Information Sheet, AAF Target No. 90.20-198, 11 September 1944, Joint Target Group, Washington, D. C.
  - e. The Aircraft Industry, Photo Industrial Study No. 5, United States Armed Forces, December 1944.
  - f. CINCPAC-CINCPAA, Special Advance Report, No. A1-45.
  - g. Joint Target Group Air Target System Folder, Japanese Aircraft Sheet No. ATSF/AC/D, Page 1; Washington, D. C., 12 January 1945.

SUMMARY

Target 2010 is reported producing aircraft engines and 13mm ammunition. Target 198 produces aircraft parts and precision ordnance equipment.

Both Aichi plants are in Nagoya City. They are 2.5 miles S of the center of the city, 4 miles S of Nagoya Castle and 2 miles NNE of Nagoya Harbor piers (Target 251).

The two branches of the Hori River meet at a point about 700' E of Target 198 and about 1600' E of Target 2010. A canal bearing E-W terminates at the SW corner of Target 2010. The old section of this canal (along the S side of Target 2010) is partly filled in.

A main NE-SW highway separates the two plants.

Total ground area, Target 198.....2,170,000 sq. ft.  
Total built-up area, Target 198....1,192,000 sq. ft.  
Ground area covered by buildings...55 percent.

Total ground area, Target 2010.....770,000 sq. ft.  
Total built-up area, Target 2010...467,500 sq. ft.  
Ground area covered by buildings...60.5 percent.

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Industrial Report No. 9, Cont'd.

(Note: A detailed study of all building areas, heights and roof types is appended to this report.

TARGET 198: The Atsuta plant formerly produced aircraft engines, airframes, propellers and instruments for VAL and KATE types. Now the plant is reported to be concentrating its production on aircraft parts and precision ordnance equipment such as mines and torpedoes.

The plant proper covers approximately 50 acres and is compactly built up. Expansion was under way as early as 1936 and in 1941 a new aircraft engine factory (Target 2010) was reported adjoining the old plant compound on the W. Most of the buildings are of modern steel-frame, sawtooth-roof construction. The roofs are covered with slate-asbestos composition. The floors are concrete and the walls are largely glass (reference f).

The machine shop is probably located in building 18. An iron foundry is in buildings 32 A and 32 B, both of which have monitor roofs and 12 short metal stacks. Two stacks adjoin buildings 32 A and 32 B. The stack on the N is 110' x 12' x 6'; the stack W of building 32 A is 100' x 12' x 8'.

The plant may be considered to be divided in three sections: instruments, ordnance, aircraft parts and assembly (reference f). The areas occupied by the three sections are shown on the accompanying plant plan as A, B and C, respectively.

A POW who worked in building 14 reports that in 1940 this building housed production of precision ordnance equipment, mines, torpedoes. The pond S of building 25 and N of building 31 A is used for torpedo testing.

The plant is not now engaged in final assembly of aircraft. Sub-assembly is completed and parts are then shipped by truck to final assembly plants. POW indicates that the manufacture of propellers takes place in the Sumitomo Duralumin Mill (Target 2040) just S of Target 198 (reference f).

Target 198 has undergone minor building changes since 23 November 1944, the date of first photo coverage. The following table shows in chronological order the changes observed and the dates of photo coverage:

3PR4M 17; 23 November 1944.....	First cover.
3PR5M 13; 14 January 1945.....	13,500 sq. ft. removed.
3PR5M 73; 9 March 1945.....	9,700 sq. ft. removed.
3PR5M 79; 12 March 1945.....	5,400 sq. ft. removed.
3PR5M 80; 13 March 1945.....	no change.

Total building area removed: 28,600 square feet.  
(Print 3PR5M 80--3R:14 is attached to show buildings removed.)

CAMOUFLAGE: Most of the buildings in Target 198 are disruptively painted.

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TARGET 2010: This plant is a new aircraft engine factory reported to have started production in 1941. It produces the ATSUTA engine (1200 h.p., 12 cylinder, in-line) used in Navy single-engine dive-bomber JUDY and the new SEIRAN. Mines, torpedoes and other ordnance are also reported produced here (reference c).

The plant's boiler house is building 21, which has a monitor roof and one stack 120' x 20' x 8'.

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Industrial Report No. 9, Cont'd.

There is no photographic evidence that engine test cells (for aircraft engines) are present. It is believed that the engines are carried by truck to be tested in the company's Tsukiji plant, Target 1828 (see L-4 in reference a; see also reference c).

Target 1828 is 2.5 miles SSW in the Nagoya harbor area. The plant is in an area of about 190,000 square feet. The built-up portion is mainly test cells and small single-ridge roof buildings. There are six L-type test cells in building 1. Two U-type test cells are in building 2 (58' x 58') which has exhaust openings 50' in height. An adjoining structure, building 3 (190' x 95') has four unconventional type test cells each approximately 38' in height. In the same building are two more U-type test cells with exhaust openings approximately 65' in height. It is estimated that these test cells have a combined capacity of 180 engines a month (reference g).

Several buildings were damaged during the Nagoya City strike of 19 March 1945. Damage assessment photo coverage is limited to photography of small scale (1:60,000) which does not permit detailed assessment.

Target 2010 has undergone minor building changes since 23 November 1944, the date of first photo coverage. The following table shows in chronological order the changes observed and the dates of photo coverage:

3PR4M 17, 23 November 1944.....first cover.  
 3PR5M 13; 14 January 1945.....12,500 sq. ft. removed.  
 3PR5M 73; 9 March 1945.....30,500 sq. ft. removed.  
 3PR5M 79; 12 March 1945.....no change.  
 3PR5M 80; 13 March 1945.....no change.

Total building area removed: 43,000 square feet.  
 (Print 3PR5M 80--3R:14 is attached to show buildings removed.)

CAMOUFLAGE: With the exception of a few small buildings, all structures have disruptive painting.

DEFENSES: There are no defenses within a half-mile radius of the plant.

APPENDIX  
TARGET 198

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.ft.</u>	<u>Height</u>	<u>Remarks</u>
1 A	100' x 70'	7,000	15' to ridge; 8' to eaves.	Double-ridge roof.
1 B	100' x 75'	7,500	17' to ridge; 12' to eaves.	Sawtooth roof.
1 C	100' x 190'	19,000	22' to ridge; 17' to eaves.	Sawtooth roof.
2 A	100' x 180'	18,000	22' to ridge; 15' to eaves.	Sawtooth roof.
2 B	250' x 100'	25,000	32' to ridge; 24' to eaves.	Sawtooth roof.
2 C	100' x 105'	16,000	40' to ridge; 35' to eaves.	Sawtooth roof.
2 D	100' x 44'	4,000	40' to ridge; 30' to eaves.	Single-ridge roof.

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Industrial Report No. 9, Cont'd.

<u>Building</u>	<u>Dimensions</u>	<u>Area in Sq.Ft.</u>	<u>Height</u>	<u>Remarks</u>
13 B	32' x 180'	5,800	27' to ridge, 17' to eaves.	Single-ridge roof.
14	110' x 44'	4,800	27' to ridge, 17' to eaves.	Single-ridge roof.
15 A	120' x 44'	5,300	27' to ridge, 17' to eaves.	Single-ridge roof.
15 B	32' x 52'	1,600	20' to ridge, 10' to eaves.	Single-ridge roof.
16 A	55' x 90'	5,000	50' to ridge, 32' to eaves.	Monitor roof.
16 B	110' x 72'	8,000	-----	Single-ridge roof.
17	120' x 52'	6,300	-----	Single-ridge roof.
18	200' x 210' 120' x 60'	49,000	25' to ridge, height to eaves unknown	Sawtooth roof.
19 A	50' x 90'	4,500	-----	Single-ridge roof.
19 B	80' x 85'	7,000	-----	Flat roof.
20	140' x 32' 55' x 32'	4,500	15' to ridge, height to eaves unknown	Single-ridge roof.

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TOTAL ROOF AREA: 467,500 square feet.

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\*Buildings removed not included in total.

Reference photography:

3PR4M 17--1V:18, 19; scale 1:68,000; 23 November 1944.  
 3PR4M 17--2:9-11; scale 1:17,000; 23 November 1944.  
 3PR5M 13--1V:11, 12; scale 1:64,000; 14 January 1945.  
 3PR5M 13--2:46-48; scale 1:16,000; 14 January 1945.  
 3PR5M 13--3R:52, 53; scale 1:10,100; 14 January 1945.  
 3PR5M 13--3L:53, 54; scale 1:10,100; 14 January 1945.  
 3PR5M 73--1V:35-37; scale 1:64,000; 9 March 1945.  
 3PR5M 73--2:32-35; scale 1:16,000; 9 March 1945.  
 3PR5M 73--3R:29-31; scale 1:9,600; 9 March 1945.  
 3PR5M 78--1V:58-60; scale 1:63,000; 12 March 1945.  
 3PR5M 78--2:37, 38; scale 1:15,700; 12 March 1945.  
 3PR5M 78--3R:65, 66; scale 1:9,400; 12 March 1945.  
 3PR5M 79--1V:37-39; scale 1:62,000; 12 March 1945.  
 3PR5M 79--2:23-26; scale 1:15,500; 12 March 1945.  
 3PR5M 79--3L:29-32; scale 1:9,300; 12 March 1945.  
 3PR5M 80--1V:29-31; scale 1:64,000; 13 March 1945.  
 3PR5M 80--2:21-24; scale 1:16,000; 13 March 1945.  
 3PR5M 80--3R:12-15; scale 1:9,600; 13 March 1945.

No strike photography.

Previous reports covering Targets 198 and 2010:

3PRS Photo Interpretation Report No. 25; 16 November 1944.  
 3PRS Photo Interpretation Report No. 26; 25 November 1944.

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Industrial Report No. 9, Cont'd.

CIU Survey Report No. 48, 16 March 1945.  
CIU Damage Assessment Flash Report No. 6, 25 March 1945.

Annotated and attached:

Plant plan.  
Prints 3PR5M 73--3R:30, 31 (stereo pair).  
Print 3PR5M 73--3L:26 (showing Target 1828).  
3PR5M 96--1R:54 (oblique).  
3PR5M 80--3R:14 (showing buildings removed).

Approved.....  
HAMILTON D. DARBY  
MAJOR, AC

DISTRIBUTION: "B"

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KEY

TO ACCOMPANY INDUSTRIAL REPORT NO. 9 CIU XXI BC

TARGET 198

- 1a PROBABLE
- 1b INSTRUMENT
- 1c ASSEMBLY
- 2a
- 2b
- 2c
- 2d
- 3a TRANSFORMER HOUSE
- 3b OFFICE
- 3c OFFICES
- 4a
- 4b
- 4c
- 4d
- 5a
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- 31a TORPEDO TESTING
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- 32a IRON FOUNDRY
- 32b IRON FOUNDRY
- 33
- 34
- 35a

TARGET 2010

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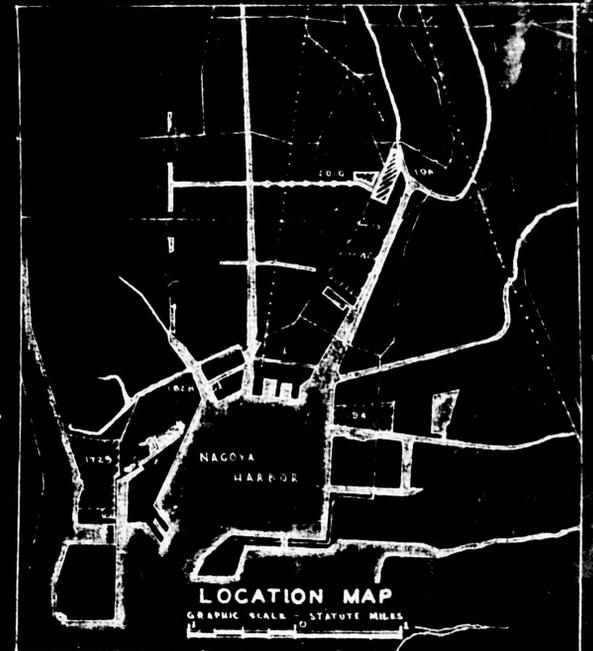
TARGET 2010

TARGET 198

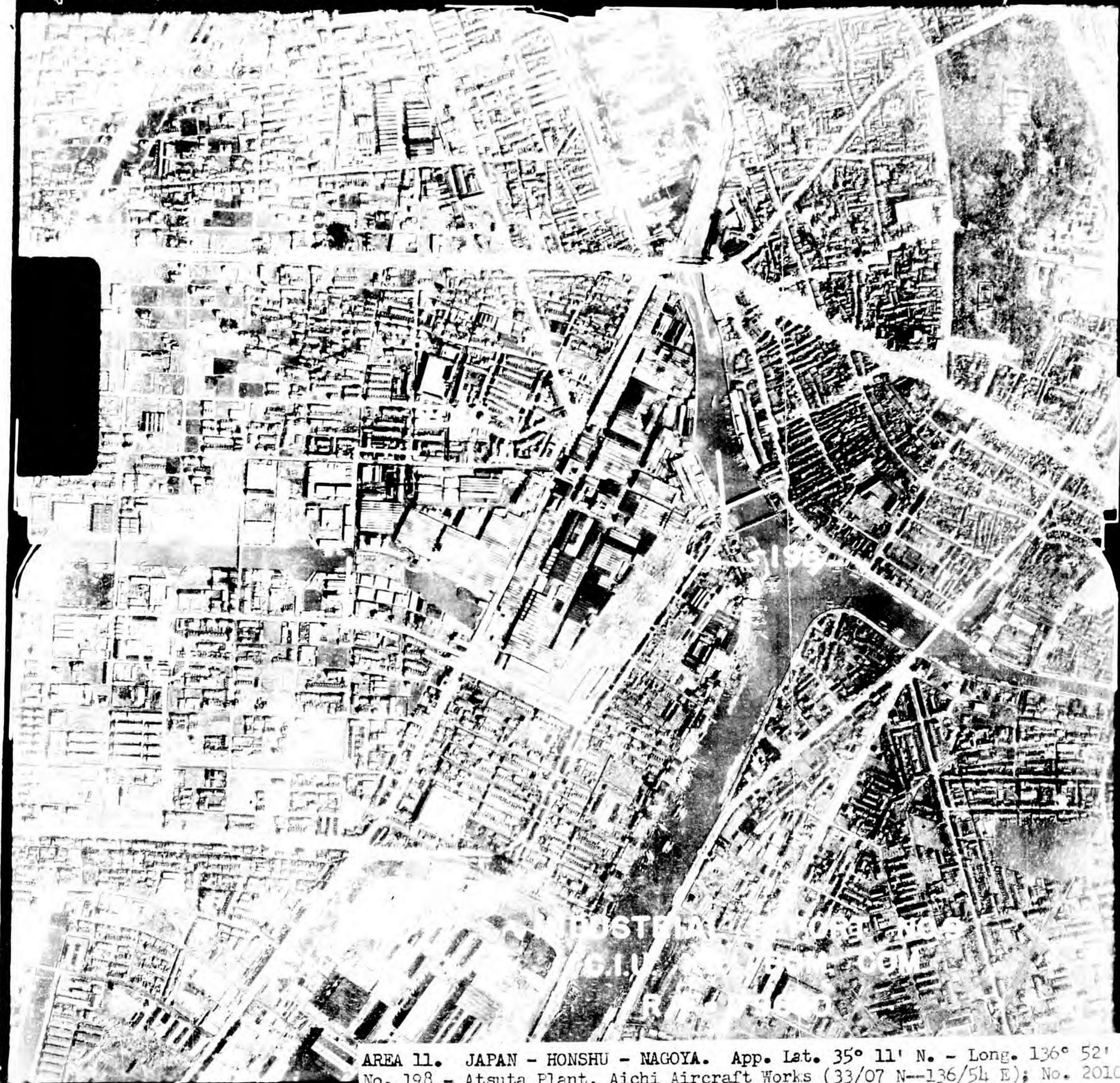


TARGET 2010 NAGOYA PLANT  
 AICHI AIRCRAFT ENGINE WORKS  
 NAGOYA AREA L.A.T. 35° 07' 24" N  
 LONG. 136° 54' 05" E

TARGET 198 ATSUTA PLANT  
 AICHI AIRCRAFT WORKS  
 NAGOYA AREA L.A.T. 35° 07' 24" N  
 LONG. 136° 54' 10" E



3PR5M73-3R:30



AREA 11. JAPAN - HONSHU - NAGOYA. App. Lat.  $35^{\circ} 11' N.$  - Long.  $136^{\circ} 52' E.$   
No. 198 - Atsuta Plant, Aichi Aircraft Works (33/07 N--136/54 E); No. 2010 -  
Nagoya Plant, Aichi Aircraft Engine Works (33/07 N--136/54E).BUAER #516-736.

PR 5 M73-3R.31

EVAER #516-737



AREA 11. JAPAN - HONSHU - NAGOYA. App. Lat.  $35^{\circ} 11' N.$  - Long.  $136^{\circ} 52' E.$   
EVAER #516-737.

3PR 5 M73-3L:26

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INDUSTRIAL REPORT NO.9

C.I.U. XXI BOM. COM.

R/F = 1/9600

SHOWING TARGET 1828 WITH TEST-CELLS

BUAER #516-738

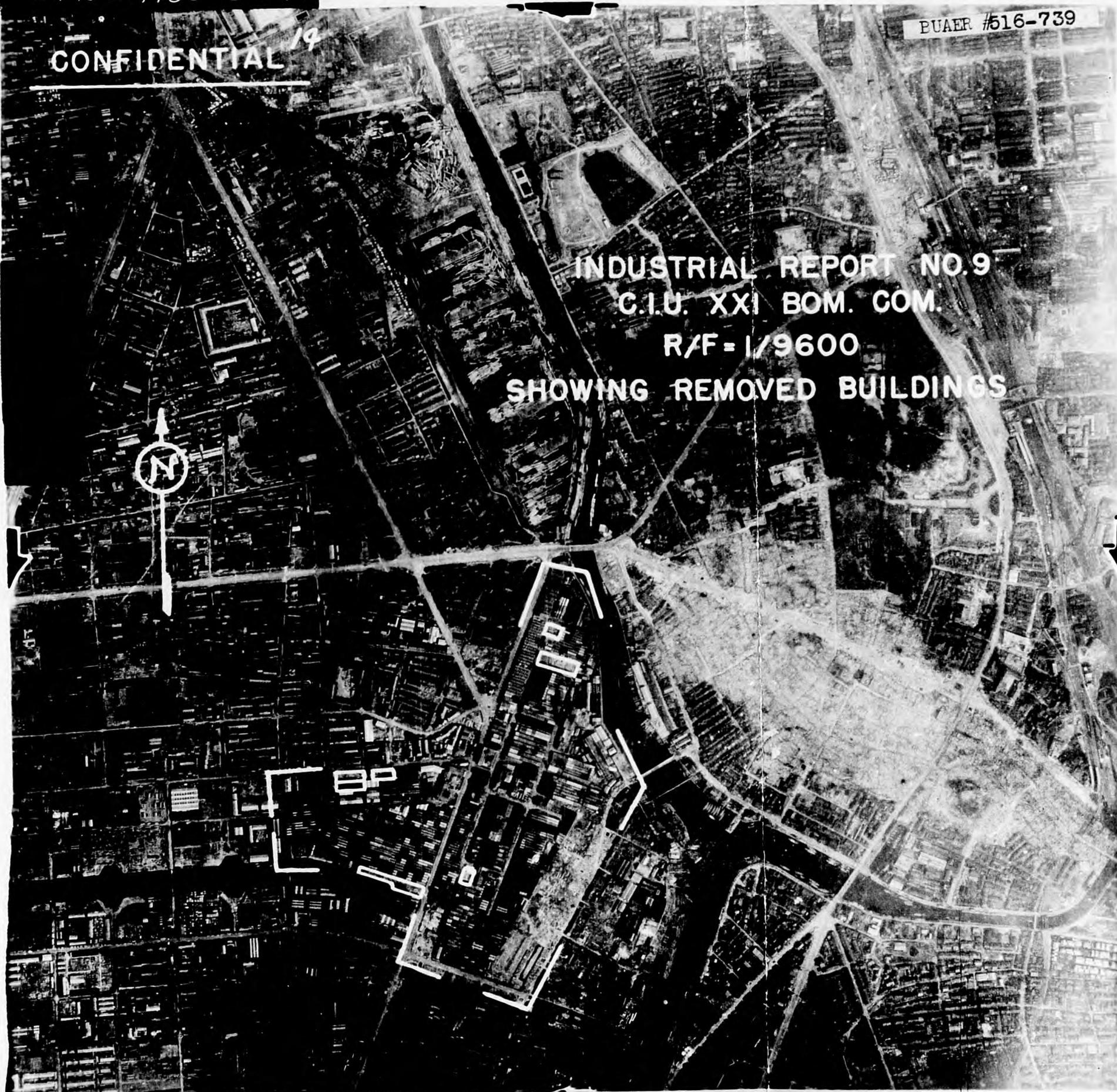
AREA 11. JAPAN - HONSHU - NAGOYA. App. Lat. 35° 11' N. - Long. 136° 52' E.  
BUAER #516-738.

3 PR 5 M80-3R:14

BUAER #516-739

CONFIDENTIAL 19

INDUSTRIAL REPORT NO. 9  
C.I.U. XXI BOM. COM.  
R/F = 1/9600  
SHOWING REMOVED BUILDINGS



AREA 11. JAPAN - HONSHU - NAGOYA. App. Lat. 35° 11' N. - Long. 136° 52' E.  
BUAER #516-739.