

A. 43 BLDGS  
26 C&S

$$100 \times \frac{26}{43} = 60.46$$

$$B. 100 \times \frac{36}{42} + 100 \times \frac{40}{44} = 88.4$$

$$42 \overline{) 360} \begin{array}{r} .857 \\ 336 \\ \hline 240 \\ 210 \\ \hline 300 \end{array}$$

$$44 \overline{) 400} \begin{array}{r} .91 \\ 396 \\ \hline 40 \end{array}$$

E.

$$\begin{array}{r} .86 \\ .91 \\ \hline 1.77 \end{array} \quad 2 \overline{) 1.77} \begin{array}{r} .88 \\ 16 \\ \hline 17 \end{array}$$

F/A PT SCORE

$$\frac{2510}{43} = 58.37$$

Primary Buildings

$$A. 100 \times \frac{2}{2} = 100$$

$$B. 100 \times \frac{2}{2} + 100 \times \frac{2}{2} = 100$$

$$E. 100 \times \frac{261}{261} + 100 \times \frac{261}{261} = 100$$

$$F/A Pt. Score = \frac{200}{2} = 100$$

43-10-16-5-12

2-2





S/A TABLE

BUILDING NO.	PLAN AREA 1000 SQ. FT.		NUMBER FLOORS		SIZE OF BAY		ROOF MATERIAL		COMBUSTIBILITY OF BUILDING		CONSTR'N TYPE		TARGET NO. 9017-2200	PAGE
	REPORTED		REPORTED		A	R	A	REPORTED		A	REPORTED		3RD LEVEL REPORT	6-2
	JTG		JTG					JTG	JTG		JTG	JTG		
4														
6			1	1			LT	LT		C	C	D	D	
7			1	1			LT	LT				D	D	#4
8			1	1			LT	LT				D	D	Removed #4
17			1	1			LT	LT		C	C	A2.3	A2.3	#4
18	7.0	7.7	1	1						C	C	D	D	R. #4
*19	76.0	81.6	1	1			LT	LT	✓	C	C	D	D	Removed #4
21			1	1			LT	LT	✓	N	N	D	D	V4
22			1	1			LT	LT	✓			A2.3	A2.3	V4
34	17.0	7.4	2	1			LT	LT		C	C	D	D	V4
35	7.0	6.6	1	1			LT	LT	✓	C	C	E2	D	
37	7.0	6.7	1	1			LT	LT	✓	C	C	A2.3	D	V4
38	7.0	8.8	1	1			LT	LT	✓	C	C	D	D	V4
39	7.0	8.8	1	1			LT	LT	✓	C	C	D	D	V4
40			1	1			LT	LT	✓	C	C	D	D	V4
41			2	2			LT	Wood		C	C	D	D	V4
42			1	1			LT	Wood		N	C	E2	E2	V3
45			2	2			LT	LT		C	C	D	D	V4
46			2	1			LT	LT		C	C	E2	E2	Removed #4
47			2	1			LT	LT		C	C	E2	D	V3
48	17.5	18.0	1	1			LT	LT		C	C	E2	D	
49	3.95	8.0	1	1			LT	LT	✓	N	C	E2	D	
50	3.4	8.0	1	1			LT	LT	✓	C	C	A2.3	A2.3	V4
51	3.95	8.0	1	1			LT	LT	✓	C	C	D	D	V4
*53	185.0	198.6	1	1			LT	LT	✓	C	C	D	D	50% Removed V4 #4
55			1	1			LT	LT	✓	N	N	D	D	V4 #3
56			1	1			LT	LT		C	C	A2.3	A2.3	V4
57			1	1			LT	LT		C	C	D	D	V4
58			2	1			LT	LT		C	C	D	D	Float testing tank - full
59	6.7	6.2	2	2			LT	LT		C	C	E2	D	length of bldg.
60	6.7	6.2	1	1			LT	LT	✓	C	C	E2	E2	Research Lab - Wind Tunnel
61			1	1			LT	LT	✓	C	C	D	D	V4
62	6.5	7.9	2	2			LT	LT		C	C	D	D	V3
63	6.5	7.9	1	1			LT	LT	✓	C	C	E2	E2	V4
			1	1			LT	LT	✓	C	C	D	D	V4

S/A TABLE

BUILDING NO.	PLAN AREA 1000 SQ. FT.		NUMBER FLOORS		SIZE OF BAY		ROOF MATERIAL		COMBUSTIBILITY OF BUILDING		CONSTR'N TYPE		TARGET NO. <u>90.17-2200</u>	PAGE	
	REPORTED		A	REPORTED	A	R	A	REPORTED	A	REPORTED	A	R	REMARKS	3 <sup>RD</sup> LEVEL REPORT	27
	<u>JTG</u>			<u>JTG</u>											
64			1	1			WT	WT	N	C	D	D			
65			1	1			WT	WT	N	C	D	D			
66			1	1			WT	WT	N	C	D	D			
67			1	1			WT	WT	N	N	<del>AB.3</del>	<del>AB.3</del>			
69	18.3	21.3	1	1			WT	WT	N	N	<del>C2.2</del>	<del>C2.2</del>			
70			1	1			WT	WT	N	C	D	D			
71			1	1			WT	WT	C	C	D	D			
74			1	1			WT	WT	C	C	D	D			
75			1	1			WT	WT	C	C	D	D			
76			1	1			WT	WT	C	C	D	D			
* PRIMARY BLDG.															
17	376.5	417.7	4 Wxng 5				2 Wxng 5		6 Wxng 5		4 Wxng 5				

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90.17-2200

(B) S/A - STRUCTURAL ANALYSIS:

1. Check on scale measurement:

*LINEAR MEASUREMENTS*

*J.T.G. 590'*

*ACTUAL 580'*

*90 - Approx. 5% Error (+)*

2. S/A (See S/A Table)

3. SUMMARY OF TABULATION:

PLAN AREA (1000ft <sup>2</sup> )		Actual 376.5	J.T.G. 417.7
17 Bldgs.		Error 41.2	- 10.5%
No. of Floors	43 "	4	- 9.3
Roof Material	43 "	2	- 4.6
Combustibility	46 "	6	- 10.4
Constr. Type	44 "	4	- 8.9
Scale	(see item #1)		5.0
Average S/A Error			8.1%

4. SUMMARY OF REMARKS:

*S/A Accuracy 91.9%*

5. SOURCES OF INFORMATION (Both Reports and Field Data)

*Field Data - USSBS, DC (62), Team #2, Nov 45*

*Reports - J.T.G. Report 90.17-2200  
14 July 45*

S/A  
F/A  
NO DIA available

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INDUSTRY: A/C

NAME OF TARGET: JAPAN AIRCRAFT TOMIOKA PLANT  
(NIPPON HIKOKI KK)

TARGET NUMBER: 90.17-2200

LOCATION: Between Yokohama & Yokosuka Lt. 35/22 LONG. 139/38

SOURCES OF DATA:

Field Data: Team #2 (HX-5) Report, Nov 45  
USSBS, PIC (42) Section

Report: J.T.G. Report  
90.17-2200 14 July 45

SUMMARY:

This Survey indicates that the J.T.G. F/A of specific buildings was only fair, but that the "Significance" (90.17-2200-T1) was very accurate. J.T.G. S/A 91.9% accurate.

DESCRIPTION OF TARGET:

Same as shown by J.T.G.

GENERAL REMARKS:

Important Point missed by P.I. reports - Research Section of plant which included a wind Tunnel and Float Testing Tank.

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(A) F/A - FUNCTIONAL ANALYSIS

1. USE OF PLANT:

Reported: AK fabrication & Assembly  
Actual: " " "

2. BOUNDARIES: Same as shown in J.T.G. report.

3. BUILDING IDENTIFICATION: (See F/A Table)

4. SUMMARY OF TABULATION:

	PRIMARY		SECONDARY		TOTALS	
	NO.	%	NO.	%	NO.	%
CORRECT	2	100	8	19.4	10	23.2
SIMILAR			16	37.2	16	37.2
UNIDENTIFIED			5	11.6	5	11.6
WRONG			12	28.0	12	28.0
					43	50.8

5. SUMMARY OF REMARKS: POINT SCORE 58.4 cc Baruch  
Research Section of plant (wind tunnel and float testing tank) not reported by photo interpreters. Wind tunnel in side view.

6. SOURCES OF INFORMATION: (Both Reported and Field Data).

ACTUAL - USSBS  
PIC (A2)  
Field Team # 2, HX-5  
REPORTED - JTG REPORT 90.17-2200



JAPAN AIRCRAFT COMPANY LTD. (90.17-2200)  
TOMIOKA  
Aircraft Manufacture

Subjects Investigated.

a. Functional Analysis

1. JTG Report.
2. Japanese plans, interrogation and visits through buildings.
3. No comparisons made at this time.

b. Structural Analysis

1. JTG Report
2. Japanese drawings of major buildings plus visit through each building in the plant.
3. No conclusions made at this time.

c. Damage Assessment

1. Aerial bombardment - HE.
2. Site visited. Damage inspected, obtained Japanese data. complete for final report.
3. Damage estimate will probably be somewhat high, because the Japanese had removed several buildings before raid.

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