

UNITED STATES STRATEGIC BOMBING SURVEY
(PACIFIC)

PHOTO-INTELLIGENCE CENTER
PHOTO-INDUSTRIAL SECTION

Third Level Report No. 657B
Page No. 1-11

INDUSTRY: NAVAL SHIPYARD
NAME OF TARGET: KURE NAVAL SHIPYARD
TARGET NUMBER: 90.30-657B
LOCATION: KURE, JAPAN L/T. 34/13 LONG. 132/33

SOURCES OF DATA:

1. J.T.G. Reports
2. Field Reports - USSBS - PIC (G2)
Industrial Team #2
Report # HX-1

SUMMARY:

This report is intended to show a comparison (margin of error) between J.T.G. Reports and the actual as found by the field party.

Structural Analysis	76.6% Correct
Functional "	80.4 (Point Score)
Scale measurements	98.0% Correct

DESCRIPTION OF TARGET:

1. Largest and most important shipyard in Japan
2. Contained 4 Graving Docks, large Building Dock, 3 building Ways, two long fitting-out piers and a fitting out dock.
3. Located along the SE side of KURE Harbor just SE of KURE.

GENERAL REMARKS:

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(A) F/A - FUNCTIONAL ANALYSIS

1. USE OF PLANT:

Reported: NAVAL SHIPBUILDING

Actual: " "

2. BOUNDARIES: CORRECT - AS SHOWN (REPORTED)
IN JTG REPORT

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

4. SUMMARY OF TABULATION:

	PRIMARY		SECONDARY		TOTAL	
	NO.	%	NO.	%	NO.	%
CORRECT	6	100%	28	70.	34	74.0
SIMILAR			8	20.	8	17.4
UNIDENTIFIED			1	2.5	1	2.2
WRONG			3	7.5	3	6.4
TOTAL	6	100%	40	100%	46	100%

AVERAGE POINT SCORE = 80.4% CORRECT

5. SUMMARY OF REMARKS:

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

REPORTED: J.T.G. Reports
"Building Construction Analysis"
25 JUN 45

FIELD DATA: USSBS PIC (G2)
Industrial Team #2
Report #HX-1 Oct 45

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(B) S/A - STRUCTURAL ANALYSIS:

1. Check on scale measurement:

36 ~~418~~ measurements scattered throughout Shipyard
show a J.T.G. average scale measurement error of approx. 2.0%
totalled 656 feet same measurements reported by J.T.G. totalled 651 feet
error in scale measurement 0.8%
(910 lbs of 196)

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

3. SUMMARY OF TABULATION:

	CORRECT	TOTAL	% Correct
CONSTRUCTION TYPE	34	51	66.6
COMBUSTIBILITY CLASS.	38	51	74.5
ROOF MATERIAL	47	51	92.1
NUMBER OF FLOORS	34	51	66.6
Planned Area (1000 sq. ft)	907.9	846.0	98.2

report S/A Avenue - 78.6% correct

4. SUMMARY OF REMARKS:

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

REPORTED: *176 Reports*
"Building Construction Analysis"
28 Jun 45

FIELD DATA: *USSBS PIC (62)*
Industrial Team #2
Report #HX-1, Oct 45

90.30 - 657B - Kure Naval Shipyard

A92, B78, D95, E86, F/A80
A100, B100, D100, E100 F/A98

A	7-7-	670	A = 86%
	12-12-	1060	
	14-12-	1205	
	10-6	765	
	<u>43-37-</u>	<u>3700</u>	

B	13-12	10-13	84.7 <u>70.5</u> 15.2 77.6 = 78% OK
	4-3	3-4	
	19-16	16-24	
	10-8	7-10	
	<u>46-39</u>	<u>36-51</u>	

D OK

E 85%

F/A 86

A = 100 OK

B = 83

D = 100 OK

E = 96

F/A 97

46	6
34	6
8	0
1	0
3	0

8	36.2
10	54.8
12	
19	
21	329.0
24	<u>420.0</u>

8-1	362.0	16.1	16.1	7.5
9-1	15.7	18.0	10.6	
10-1	54.8	57.5	8.3	
13-2	14.0	11.2	22.2	
15-2	23.6	37.2	6.6	
17-1	39.2	16.1		
18-1	329.8	11.2		
22-2	18.7			
23-1	18.7			
24-1	27.8			
24-1	25.1			
25				
26-4	15.5			
28-1	36.4			
29-1	56.0			
30-1	68.0			
31-1	18.4			
32-1	100.3			
33-1				
34				
35-3		1445.7		
36-1		1223.2		
37-1		167.3		
38-1		47.7		
39-2		7.5		
40-2				
41-1				
42-1				
43				
45-1				
47				
48-3				
49-3				
50-2				
51-2				
52-2				
53-3				

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. 2030-6575	3RD LEVEL REPORT	REMARKS
	A	REPORTED	A	REPORTED	A	R	A	REPORTED	A	REPORTED	A	R			
		JTG		JTG				JTG		JTG					
*8	✓	362.0	304.1	1	1			LT	"	N	N	B2	B2		
9	✓	15.7	17.6	1	1	50	55	Cons. Slabs	LT	N	N	A2.3	A2.3		
10	✓	54.8	59.5	1	1		38	LT	LT	N	N	B1	A2.3	✓	
11			50.	2	2	25	25	Wood	LT	C	C	E2	E2		
13		16.1	17.0	1	1	60	50	LT	LT	N	N	A2.3	A2.3		
14			20.8	1	1	35	47	LT	LT	N	N	B2	A2.3	✓	
15		18.0	20.7	1	1			LT	LT	C	N	A2.3	A2.3		
9						50	50								
6						70	70								
16				2	2	30	20	6" Conc.	4-6" Conc.	R	R	E1	E1		
17		14.0	13.2	3						R		F1			
a					1	22	20	6" Conc.	4-6" Conc.	R	R	F1	A2.3	✓	
b					2	22	22	"	LT	R	C/R	F1	E1		
c					2	22	22	"	4-6" Conc.	R	R	F1	E1		
18		23.6	22.5	3	3	20		Conc.	LT	R		E1			
a							20			R	R	E1	E1		
b							20			R	C/R	E1	E1		

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>90.30-6571B</u> 3 RD LEVEL REPORT	5-11 PAGE 5	
	DTS	REPORTED		A	REPORTED	A	R	A	REPORTED	A	REPORTED	A			R
		DTS	DTS												
25		9.3		1	1										
26		7.5		1	1		60	LT	LT	C	N	D	D		
27		<i>Under construction</i>					60	"	LT	C	N	D	D		
28		19.7		1	1		36	LT	LT	C	C	D	D		
29		18.7		1	1		36	"	LT	C	C	A2.3	A2.3		
30		10.2		1	1		20	"	LT	C	C	A2.3	A2.3		
31		17.6		1	1		47	"	LT	C	C	A2.3	A2.3		
32		17.6		1	1		47	"	LT	C	C	A2.3	A2.3		
33		7.5		1	1		30	"	LT	C	C	A2.3	A2.3		
34		10.4		1	1		47	"	LT	C	C	D	D		
35		10.6		1	1		45	LT	LT	C	C	A2.3	A2.3		
a			2.7				35					A2.3	A2.3		
b			6.1				30					A2.3	A2.3		
c			1.8				47	LT	LT	N	N	B1	A2.3	✓	
36	15.5	14.7		1	1		80	LT	LT	N	N	A2.3	B2	✓	
37	36.4	39.6		1	1		70	LT	LT	N	N	B2	B2		
38	56.0	53.9		1	1		43								
a			35.7				80	LT	LT	N	N	B2	A2.3	✓	
b			18.2				80	LT	LT	N	N	A2.3	B2	✓	
39		16.2		1	1		80	LT	LT	N	N	B2	A2.3	✓	
40	37.2	31.2		1	1		80	LT	LT	N	N	A2.3	B2	✓	
41	68.0	63.8		1	1		80	LT	LT	N	N	B2	B2		
a			40.8				40								
b			23.0				40	LT	LT	N	N	A2.3	A2.3		
42		18.4		2	1		95	LT	LT	N	N	E2	B1	✓	
a							45								
b	<i>Crane</i>						42	LT	LT	N	C	E2	E2		
43	16.7	17.6		3	1		40	LT	LT		C	E2	E2		
44		8.3					42	LT	LT		C	E2	E2		
45	100.3	95.9		3	1		42	LT	LT		C	E2	E2		
a		46.4		2			45	LT	LT		C	E2	E2		
b		2.4		1			40	LT	LT		C	E2	E2		
c		10.0		2			42	LT	LT		C	E2	E2		
d		36.3		2			42	LT	LT		C	E2	E2		
e		1.4		1			45	LT	LT		C	E2	E2		
f		2.4		1			40	LT	LT		C	E2	E2		

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>70-50-65713</u> 3 RD LEVEL REPORT	REMARKS
		A	REPORTED	A	REPORTED	A	REPORTED	A	REPORTED	A	R		
		ITS	ITS	ITS	ITS	ITS	ITS	ITS	ITS	ITS	ITS		
46	a-e		246	2	6	LT	LT	N	C	D	D		
47			5			LT	LT	N	C	D	D		
a		5.6	1	1		LT	LT	N	C	D	D		
b		1.4				LT	LT	N	C	D	D		
48		8.3	1	1		LT	LT	N	C	D	D		
49			3	2		LT	LT	N	C	D	D		
a		12.2	4	3		LT	LT	N	C	D	D		
b		10.0	2	2		LT	LT	N	C	D	D		
50	16.1	16.6	2	2		LT	LT	R	R	E1	E1		
a		4.4				LT	LT	R	R	E1	E1		
b		1.8				LT	LT	R	R	E1	E1		
c		4.7				LT	LT	R	R	E1	E1		
d		5.7				LT	LT	R	R	E1	E1		
51		6.8	2	1		LT	LT	R	R	E1	E1		
52		4.4	1	1		LT	LT	R	R	E1	E1		
53		6.6	2	1		LT	LT	R	R	E1	E1		
54						LT	LT	R	R	E1	E1		
a	Sub fitting-out Pier												
b	" " " "												
c	Small Crane												
d	" " " "												
e	Probable fuel oil Pier												
f	" " " "												
(16)	907.9												
	846	846.0											
	61.9												

F/A TABLE

BUILDING NO.		PRIMARY	FUNCTION		EVALUATION							TARGET NO.	PAGE		
			REPORTED	ACTUAL	CORRECT	SIMILAR	UNIDENT.	WRONG	CORRECT	SIMILAR	UNIDENT.	WRONG	POINT SCORE	3RD LEVEL REPORT	REMARKS
JTG			J.T.G.												
41	a		Electro Welding Shop		Welding	✓							100		
	b		"												
42	a		Carpenter Shop Sawmill		Wood working Shop	✓							100		
	b		Traveling Crane												
43			Shop		Cable winding, Lt Assembly	✓							45		
44			Storage Type Bldg.												
45			Structural Shop		Hand finishing	✓							100		
	a		"		Marshall, ware house,										
	b		"		Pipe bonding, small										
	c		"		boat const.										
	d		"												
	e		"												
	f		"												
46															
	a		Filling-Out Pier												
	b		"												
	c		Hammerhead Crane												
	d														
	e		Fuel Oil Pier												
47	a		Storage Type Bldg.												
	b		"												
48					Warehouse			✓	✓				45		
49	a		Unidentified		Warehouse			✓					45		
	b		"												
50			Offices		Marshall, Telephone	✓							80		
	a		"		exchange, Dispensary										
	b		"												
	c		"												
	d		"												
51			"		Offices	✓							100		
52			Pos. Garage		Fire Station	✓							100		
53			Unidentified		Gen. affairs Bldg.			✓	✓				45		
						297	11						2985		
						348	13						3700		
								146							
												AVERAGE SCORE			
												80.4			

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3RD LEVEL REPORT

REMARKS

AVERAGE SCORE 80.4

F/A TABLE

BUILDING NO.	PRIMARY	FUNCTION		EVALUATION							TARGET NO.	PAGE	
		REPORTED	ACTUAL	CORRECT	SIMILAR	UNIDENT.	WRONG	CORRECT	SIMILAR	UNIDENT.	WRONG	POINT SCORE	3RD LEVEL REPORT
JTG		J.T.G.											REMARKS
24	e	Mach. Repair Fabrication	Mach. Shop, Eng. info.										
	f	and Assembly Shop	Boilers, Shafts, Screws etc.										
	g	"											
	h	"											
	i	Mach. Shop											
	j	"											
	k	"											
	l	"											
	m	"											
	n	"											
	o	"											
	p	Mach. Shop											
	q	"											
	r	"											
	s	Hammerhead Crane									1750		
	t	Fuel Oil Pier											
25		Warehouse	Mississ. ?										
26		"	Pattern Making								0		
27		"	Warehouses								100		
28		"	"								100		
29		"	"								100		
30		"	"								100		
31		"	"								100		
32		"	"								100		
33		"	"								100		
34		"	Removed ?								-		
35		Unidentified	Mess hall								45		
	a	"											
	b	"											
	c	"											
36		Associated with #37	Boiler Making								100		
37		Forge	Forging								100		
38		Associated with #37	Mach. Shop								100		
	a	"											
	b	"											
39		Shop	Zn Plates & Galvanizing								80		
40		"	Forging								80		
				297							2930		

F/A TABLE

BUILDING NO.	PRIMARY	FUNCTION		EVALUATION								TARGET NO.	PAGE	
		REPORTED	ACTUAL	CORRECT	SIMILAR	UNIDENT.	WRONG	CORRECT	SIMILAR	UNIDENT.	WRONG	POINT SCORE	3 RD LEVEL REPORT	8-11
JTG		JTG												
1		Grading Dock												
	a	Tower Hammerhead Crane		Drydock & Garage	✓									
	b													
2		Bridge Shop & Warehouse												
3		Ship's Dept. Bldg.												
4		Stores Shed												
5		Grading Dock												
	a	Hammerhead Crane												
6		Building Dock												
	a & b	Ships under const.		Drydock & Garage	✓						100			
	c	Overhead Crane			✓									
	d				✓									
	e				✓									
	f				✓									
7		Structural Shop			✓									
8	*	Reported Boiler Shop and Tube Factory			✓									
	a			Hd. Metal Work (Frame)	✓						100			
	b				✓						100			
	c													
	d	Machine Shop section												
	e													
	f													
	g													
	h													
	i	Fuel oil pier												
9		Associated with #8												
10	*	Prob. Fabricating Shop												
11		Prob. Mold Loft												
	a			Hd. Metal Work	✓						100			
	b			Model Sub Assembly	✓						85			
	c			Offices, Mess hall							85			
	d			Sectional Drafting	✓									
12	*	Shipbuilding way												
	a	Building way		Ship Building Way	✓						100			
	b													
	c													
	d	Hammerhead Crane												