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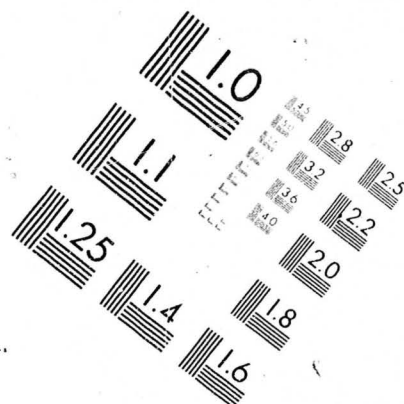
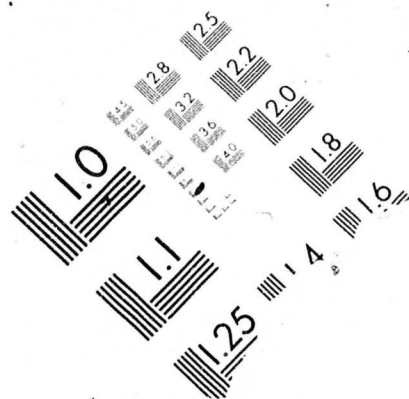
## CERTIFICATE OF AUTHENTICITY

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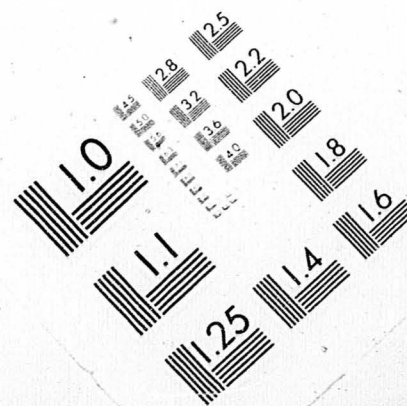
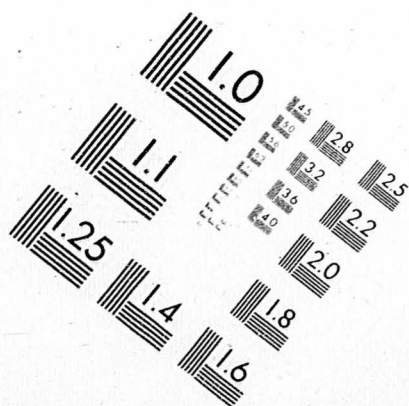
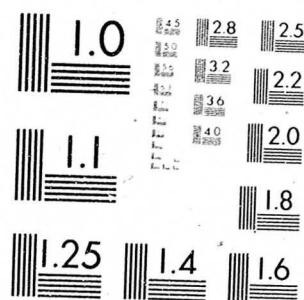
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26:1



SECRET

V. 3

K-DIV-313-HI  
JUL-DEC 1959

# HISTORY *of the* 313<sup>TH</sup> AIR DIVISION

PROJECT CORONA HARVEST

DO NOT CATALOGED ROY

No. 0204255



JULY - DECEMBER 1959  
SUPPORTING DOCUMENTS  
VOLUME III

800001

2-8006-3

K-DIV-313-HI  
JUL-DEC 1959

V. 3

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8000034



313th AD, 1959-II, List of Supporting Documents

LIST OF SUPPORTING DOCUMENTS

<u>Document No.</u>	<u>Document Identification</u>
28	Daily Staff Journals, Office of Procurement, Hq., 313th Air Division, 1 July-31 December 1959.
29	PFSCE-PR 930, PACAF to USAFPAC, 22/0138Z Dec. 1959.
30	Ltr., Hq., 313th Air Div. to CG, USARYIS/IX Corps, sub.: Utilization of Yaetake Air Station, 22 Oct. 1958.
31	PFCIE-PR 16568, CINCPACAF to COFS USAF, 20/1912Z Nov. 1958.
32	5FOPR-P-P 12-0520, Comdr. 5th AF to CINCPACAF, 12/0745Z Dec. 1958.
33	5FSCE-C-R 11487, 5th AF to 313th AD, 28/0452Z Sept. 1959.
34	Disposition Form (DF), 313CE to 313OC, 313PC, 313MC, 313VC, sub.: Army Tenancy on Yaetake Air Station, Okinawa 1 Oct. 1959.
35	313CE C-10-39, 313th Air Div. to 5th AF, 14/0725Z Oct. 1959.
36	5FSCE-C-R 10-2766, 5th AF to PACAF, 22/0645Z Oct. 1959.
37	Ltr., Hq. USARYIS to Comdr. 313th Air Div., sub.: Cross Service Agreement, Messing and Billeting, Yaetake Air Station, 31 Oct. 1959.
38	5FSCE-C-R 12-0471, 5th AF to PACAF, 04/0256Z Dec. 1959.
39	PFSCE-PR 910, PACAF to 5th AF, 10/0004Z Dec. 1959.
40	5FSCE-C-R 12-1367, 5th AF to 313th Air Div., 11/0620Z Dec. 1959.
41	313CE-C-12-48, 313th Air Div. to PACAF, 17/0515Z Dec. 1959.
42	PF SCE-PR 229, Hq., PACAF to 5th AF, 05/2329Z Apr. 1960.
43	5FSCE-C-R 02-0899, 5th AF to PACAF, 12/0145Z Feb. 1960.

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313th AD, 1959-II, List of Supporting Documents

<u>Document No.</u>	<u>Document Identification</u>
44	313CE U-2-94, 313th Air Div. to 5th AF, 09/0505Z Feb. 1960.
45	Ltr., Hq., 313th Air Div. to USAEDO, sub.: Transfer Yaetake to U.S. Army; 11 Apr. 1960.
46	313CE U-5-78, 313th Air Div. to PACAF, 06/0620Z May 1960.
47	PFSCE-PR 264, Hq. PACAF to 313th Air Div., 22/0312Z Apr. 1960.
48	5FSCE-C-R 0016, 5th AF to 313th Air Div., 13/0130Z Apr. 1960.
49	PFSCE-PR 296, Hq. PACAF to USAF, 07/0334Z May 1960.
50	Department of the Air Force (DAF) GO 27, dtd. 15 June 1960.
51	Ltr., District Engineer, U.S. Army Engineer District, Okinawa (USAEDO) to Comdr. 313th Air Div.: sub.: Transfer Yaetake to U.S. Army, 12 May 1960.
52	Ltr., Hq. 6431st Air Base Group to 313th Air Div., sub.: Transfer of Yaetake Air Station, 5 July 1960.
53	Ltr., District Engineer, USAEDO to Comdr. 313th Air Div., sub.: Transfer Yaetake to U.S. Army, 16 Aug. 1960.
54	Ltr., District Engineer, USAEDO to High Commissioner, Ryukyu Islands, et al., sub.: Transfer Yaetake Air Station from Air Force to Army, 15 Apr. 1960.
55	DF, 313OC-E to OC-M, Hq., 313th Air Div., sub.: Transfer of Yae Take AS, 17 Feb. 1959.
56	Ltr., Hq. 313th Air Div. to Comdr. 623d AC&W Sq., sub.: Disposition of AN/UPA-35 Scopes from Yae Take Air Station, 11 Aug. 1958.
57	Ltr., Hq. 313th Air Div. to Comdr 5th AF, sub.: Request for Command Assistance: Radar Maintenance, 19 Aug. 1958.
58	623MAT 00228, Comdr. 623d AC&W Sq. to Comdr. 313th Air Div., 12/0100Z Feb. 1959.
59	DF, 313OC-E to 313IE, sub.: Tower Modifications for Miyako Jima and Yuza Dake, 9 Feb. 1959.

313th AD, 1959-II, List of Supporting Documents

<u>Document No.</u>	<u>Document Identification</u>
60	Ltr., Hq. 313th Air Div. to 15th Tac. Recon. Sq., 1962d AACCS Sq., 6313th ABW, sub.: Terminal TACAN, Kadena Air Base, 19 Aug. 1958.
61	Ltr., Hq. 313th Air Div. to 6313th ABW, 6431st ABG, 51st FIW, sub.: Implementation of Fifth Air Force Ground TACAN Environment, 28 Aug. 1958.
62	Ltr., 6023d Radar Evaluation Flight ECM to Comdr. 313th Air Div., sub.: Quality Control Team Visit to 313th Air Div., 10 Mar. 1959.
63	Ltr., Hq. 313th Air Div. to 623d AC&W Sq., sub.: Quality Control Team Visit to P-56, 13 Aug. 1959.
64	5FEDP-D 11-3091 L, 5th AF to 623d AC&W Sq., 30/0840Z Nov. 1959.
65	623CE C-01202, 623d AC&W Sq. to 5th AF, 08/0650Z Dec. 1959.
66	5FEDP-D 12-1943, Hq. 5th AF to 623d AC&W Sq., 16/0715Z Dec. 1959.
67	623CE C-01259, 623d AC&W Sq. to 5th AF, 23/0736Z Dec. 1959.
68	Ltr., Comdr. Yuza Dake Air Station to Comdr. 623d AC&W Sq., sub.: Typhoon Damage, 27 Oct. 1959.
69	623CE 0840, 623d AC&W Sq. to 313th Air Div., 09/0620Z Dec. 1959.
70	3130C-E U-12-176, 313th Air Div. to NAMAP, 14/0612Z Dec. 1959.
71	623CE 0037, 623d AC&W Sq. to 313th Air Div., 12/0750Z Jan. 1960.
72	PNNM-1-00597-E, NAMAP to 5th AF, 13/0455Z Jan. 1960.
73	PNNM-1-01689-E, NAMAP to 623d AC&W Sq., 29/0605Z Jan. 1960.
74	5FEDP-D 0109, 5th AF to PACAF, 20/0455Z June 1960.
75	Typhoon Charlotte Damage Report, Kadena AB, 2 Nov. 1959.

313th AD, 1959-II, List of Supporting Documents

<u>Document No.</u>	<u>Document Identification</u>
76	Typhoon Emma Damage Report, Kadena AB, 12-13 Nov. 1959.
77	Det. #1, 3d Aviation Depot Sq., Typhoon Damage Report of Typhoon Charlotte, 29 Oct. 1959.
78	Ltr., 6313th Installations Sq. to 6313th ABW, sub.: Typhoon "Sarah" Final Damage Report, 7 Oct. 1959.
79	Ltr., 623d AC&W Sq. to 6431st ABG, sub.: Damage Reports-- Typhoon Sarah, 30 Sept. 1959.
80	Ltr., Hq. 6313th ABW to 313th AD, sub.: Final Report of Casualties, Damages, and Requirements as a Result of Typhoon "Sarah", 22 Sept. 1959.
81	Ltr., NAMAP to Comdr. Rome AMA, sub.: Transmittal of Rigid Radome Report, n.d.
82	623CE 0598, 623d AC&W Sq. to 5th AF, 23/0735Z Sept. 1959.
83	623CE 01129, 623d AC&W Sq. to 313th Air Div., 18/0715Z Nov. 1959.



28

1 July 1959

PROCUREMENT

1. INSTALLATION, ELECTRICAL & PLUMBING APPURTENANCES FOR WASHER & DRYER HOOK-UPS. (Uncl) Contract was awarded to Westpac, Inc. in the amount of \$17,802.62 for project at 206 Stilwell Park houses, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 15 January 1960.
2. MODIFICATION, TRANSFORMER, (Uncl) Contract was awarded to Westpac, Inc. in the amount of \$13,713.28 for project at seven substations, Stearley Heights Area, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 26 December 1959.
3. INSTALLATION, ASPHALT TILE FLOORING, (Uncl) Contract was awarded to Onki Construction Co., Ltd. in the amount of \$11,676.48 for project at four barracks, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 26 December 1959.
4. INSTALLATION, WASHER & DRYER HOOK-UPS, (Uncl) Contract was awarded to Westpac, Inc. in the amount of \$3,955.90 for project at 46 Stilwell houses, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 26 November 1959.
5. EXTERIOR PAINTING, (Uncl) Contract was awarded to Isa Construction Company in the amount of \$6,613.20 for project at 12 BOZ's, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 26 December 1959.
6. REPAIR, INTERIOR ELECTRICAL SYSTEMS, (Uncl) Contract was awarded to Westpac, Inc. in the amount of \$15,156.42 for project at six dormitories, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 26 December 1959.
7. REPLACEMENT, DOORS, (Uncl) Contract was awarded to Yomitan Industries Company in the amount of \$16,843.20 for project at eight barracks, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 26 November 1959.
8. CONSTRUCTION, SIDEWALKS, (Uncl) Contract was awarded to Yomitan Industries Company in the amount of \$9,498.58 for project at Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 27 October 1959. (Maj. Karlson - 43117)

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



2 July 1959

PROCUREMENT

1. CLEANING, FUEL STORAGE TANKS & INTERIOR COATING, (Uncl) Contract was awarded to Stanbo Protective Coatings, Inc. in the amount of \$46,891.98 for project at Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 24 February 1960.
2. MODIFICATION, OPERATIONAL APRON, (Uncl) Contract was awarded to Far East Construction Services, Inc. in the amount of \$244,128.73 for project at Naha Air Base. Authority to Proceed was issued to contractor, establishing completion date of 28 December 1959.
3. TITLE I SERVICES, DESIGN PREPARATION FOR MODIFICATION, INSTALLATION AIR-CONDITIONING SYSTEM, (Uncl) Contract was awarded to Thomas B. Bourne Associates, Inc. in the amount of \$3,100.00 for project at Base and Squadron Operations, Kadena Air Base, was manually approved by PACAF on 29 June 1959. Authority to Proceed was issued to Contractor, establishing completion date of 10 August 1959.
4. INTERIOR PAINTING, (Uncl) Contract with Zentaro Gumi Construction Company in the amount of \$27,286.36 for project at 20 barracks and Building T-4M, Kadena Air Base, was manually approved by Fifth Air Force on 27 June 1959. Authority to Proceed was issued to Contractor, establishing completion date of 24 February 1960.
5. REPAIR, AIRCRAFT PARKING HARDSTANDS, (Uncl) Supplemental Agreement was issued to Nanyo Doken Construction Co., Ltd. on contract for project at Kadena Air Base, providing for time extension of ninety days, establishing a new completion date of 16 September 1959. Extension of time is necessary due to delays incurred by the Contractor in revising his work schedule to meet the requirements of the United States Government. (Maj. Karlson - 43117)

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

6 July 1959

PROCUREMENT

1. REHABILITATION, QUONSETS. (Uncl) Request for Proposal for project at the 500 area, Naha Air Base, was forwarded to eight contractors, to be returned by 10 July 1959.
2. REPAIR, POL REFUELING EMERGENCY CONTROL CUT-OFF SYSTEM, (Uncl) Request for Proposal for project at Kadena Air Base, was forwarded to five contractors, to be returned by 20 July 1959. (Maj. Karlson - 43117)

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

8 July 1959

PROCUREMENT

1. REPAIR, OVERHEAD ELECTRICAL DISTRIBUTION SYSTEM, (Uncl) Request for Proposal for project at Kadena Air Base, was forwarded to 6 contractors, to be returned by 24 July 1959.
2. REPAIR, RUNWAY "B" & RELOCATION OF QUONSET BUILDING, (Uncl) Final payment was made to Nanyo Doken Construction Company on contract in the amount of \$63,835.25 for project at Ie-Shima Airstrip, Okinawa. Claims Release was obtained from contractor prior to payment. (Maj. Karlson - 43117)

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

9 July 1959

PROCUREMENT

1. REPAVING, (Uncl) Request for Proposal for project at Base Motor Pool Area, Kadena Air Base, was forwarded to 4 contractors, to be returned by 27 July 1959.
2. INTERIOR COATING, FUEL STORAGE TANK, (Uncl) Final payment was made to Western Pacific Corp on contract in the amount of \$17,978.00 for project at Kadena Air Base. Claims Release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



10 July 1959

PROCUREMENT

1. MODIFICATION, ELECTRICAL DISTRIBUTION SYSTEM, (Uncl) Supplemental Agreement was issued to Westpac, Inc. on contract for project at Kane and Okino Air Base providing for forty-five (45) day time extension because of nonavailability of surface transportation to job sites.
2. REPAIR, TILE WALLS IN REFRIGERATOR ROOMS, (Uncl) Supplemental Agreement was issued to Zentaro Gumi Construction Co. on contract for project at four (4) Mess Halls at Kadena Air Base providing for ten (10) day time extension because of time consumed removing refrigerators from reefer rooms.
3. CONSTRUCTION, OPERATIONS BLDGS, MAIL BLDGS, EXTERIOR UTILITIES, (Uncl) Final payment was made to JHI, Inc. on contract in the amount of \$171,543.00 for project at Kadena Air Base. Claims Release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

13 July 1959

PROCUREMENT

1. INSTALLATION, ASPHALT TILE FLOORING, (Uncl) Supplemental Agreement was issued to OHKI Construction Co., Ltd. on contract for project in Barracks at Kadena Air Base providing for increase in contract price because of change in color, class of asphalt tile and increase in performance period due to time lost pending finalization of change in tile.
2. ELECTRICAL MODIFICATIONS, (Uncl) Supplemental Agreement was issued to Tokai Electrical Installation Co., Ltd. on contract for project at 7th TDS Area, Kadena Air Base providing for thirty day time extension because of delay in arrival of materials from the United States.
3. MODIFICATION, ELECTRICAL SYSTEM, (Uncl) Supplemental Agreement was issued to Fudeya Trading & Supply Co., Ltd., on contract for project in four (4) hangers, Kadena Air Base providing for \$1,000.00 decrease in price as consideration for seventy-five (75) day time extension. New contract amount \$21,565.30.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



14 July 1959

PROCUREMENT

1. CONSTRUCTION, MODIFICATION, REPAIR OF FACILITIES, (Uncl) Supplemental Agreement was issued to Sanko Kensetsu Kogyo K.K. on contract for project at Air Force Security Services Wing, Kadena Air Base, providing for substitution of drawing indicating change in communication duct.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

15 July 1959

PROCUREMENT

1. MODIFICATION, AIRCRAFT ALERT SHELTER, (Uncl) Final payment was made to Nankai Doboku Co., Ltd., on contract in the amount of \$22,625.87 for project at Building No. 95, Naha Air Base. Claims Release was obtained from contractor prior to payment.
2. REPLACEMENT OF 15KV UNDERGROUND CABLE. (Uncl) Final payment was made to Westpac, Inc. on contract in the amount of \$12,674.03 for project at Stilwell Park Housing Area, Kadena Air Base. Claims release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



20 July 1959

PROCUREMENT

1. REHABILITATION, SIX (6) RUNWAYS, (Uncl) Contract was awarded to Yokatsu Kensei Co. in the amount of \$7,272.87 for project at "500 Area", Naha Air Base, Okinawa. Authority to Proceed was issued to contractor, establishing completion date of 18 September 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

21 July 1959

PROCUREMENT

1. GRADING, TWO ANTENNA PADS, (Uncl) Supplemental Agreement was issued to Maeda Gufi on contract for project at Yozadake Air Station, providing for substitution of drawings for revised grading plan and extension of time to compensate contractor for time lost due to changed requirements.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



22 July 1959

PROCUREMENT

1. INSTALLATION, METAL-FRAMED FIBER GLASS WINDOW SCREENS, (Uncl) Final payment was made to Blackledge, Inc., on contract in the amount of \$52,743.54 for project at BOQ's, Mess Halls and H-type barracks at Kadena Air Base. Claims release was obtained from contractor prior to payment.

WALTER V. EARLSON  
Major, USAF  
Procurement Officer



23 July 1959

PROCUREMENT

1. REPAIR, AIRCRAFT PARKING HARDSTANDS, (Uncl) Supplemental agreement was issued to Nanyo Doken Construction Co. Ltd., on contract for project at Kadena Air Base providing for downward modification in scope of work reflecting a decrease in contract price.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

27 July 1959

PROCUREMENT

1. GRASS CUTTING, (Uncl) Request for Proposal for project at Miyako Shima, Ryukyu Islands was forwarded to five (5) contractors, to be returned by 3 August 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

28 July 1959

PROCUREMENT

1. CONSTRUCTION, FOUR (4) OPERATIONS AND MAINTENANCE BUILDINGS, EXTERIOR UTILITIES AND CIVIL WORK, (Uncl) Supplemental agreement was issued to JHW, Inc. on contract for project at Naha Air Base providing for decrease in price, substitution of #2/0 PILE cable in lieu of #1/0 cable and extends performance period to 27 August 1959 due to delays incurred by contractor while revising this schedule to meet the Government's requirements.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



29 July 1959

PROCUREMENT

1. REPAIR, POL HYDRANT REFUELING EMERGENCY CONTROL CUT-OFF SYSTEM, (Uncl)  
Contract was awarded to Westpac, Inc. in the amount of \$18,917.14 for project at Areas A, B and C, Kadena Air Base. Authority to proceed was issued to contractor, establishing completion date of 25 January 1960.
2. VEGETATION CONTROL. (Uncl) Final payment was made to Isa Construction Company on contract in the amount of \$9,900.00 for project at 7th TDS, 12th ADS, Line Ordnance and 546th Ammo Areas on Okinawa, R.I., Claims release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

28

6 August 1959

PROCUREMENT

1. REPAIR, TILE WALLS, (Uncl) Final payment was made to Zentaro Gumi Construction Co. on contract in the amount of \$4,488.60 for project in Refrigerator rooms of 4 permanent mess halls, Kadena Air Base, Okinawa. Claims release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

10 August 1959

PROCUREMENT

1. REPAIR, AIRCRAFT PARKING HARDSTANDS. (Uncl) Supplemental Agreement was issued to Nanyo Doken Construction Co., Ltd on contract for project at Kadena Air Base providing for decrease in scope of work and contract price due to deletion of hardstand No. 211 from scope of work.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



12 August 1959

PROCUREMENT

1. CONSTRUCTION, ONE 91) CONCEALMENT SHELTER, (Uncl) Request for Proposal for Project at 12th ADS Area, Kadena Air Base, Okinawa was forwarded to seven (7) contractors, to be returned by 21 August 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

14 August 1959

PROCUREMENT

1. REPLACEMENT, TRANSFORMERS AND CABLE FEEDS, (Uncl) Supplemental Agreement was issued to Westpac Inc. on contract for project at Building No. 419, Lackland Restaurant, Kadena Air Base providing for additional electrical repair work, increasing contract amount to \$9,683.21.
2. EXTERIOR PAINTING, (Uncl) Supplemental Agreement was issued to Kishi Gumi Company on contract for project at Temporary buildings, Naha Air Base, providing for extension of performance period to 27 August 1959 to compensate contractor for revising his work schedule to meet requirements of the United States Government.
3. INTERIOR PAINTING, (Uncl) Supplemental Agreement was issued to Zentaro Gumi Construction Company on contract for project at twelve (12) permanent Airmen's Barracks, Naha Air Base providing for a no cost substitution of buildings (Commissary, ADCC bldg. and Base Operation bldg.) in lieu of Barracks No. 1100. Performance period extended to 12 October 1959.
4. INSTALLATION, ACOUSTIC TILE CEILINGS AND WALLS, (Uncl) Supplemental Agreement was issued to Yokatsu Kensetsu Company on contract for project at Olympic and Keystone Theaters, Kadena Air Base providing for time extension to 7 September 1959 due to delays in receipt of Government-Furnished acoustic tile.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

17 August 1959

PROCUREMENT

1. ELECTRICAL REPAIRS, (Uncl) Final payment was made to Westpac, Inc. on contract in the amount of \$15,574.10 for project at Bldg. No. 313, Wing Officer's Club, Kadena Air Base, Okinawa. Claims Release was obtained from contractor prior to payment.
2. PAYEMENT SURFACE TREATMENT AND MARKING. (Uncl) Final payment was made to Nanyo Doken Construction Co. Ltd. on contract in the amount of \$6,556.95 for project at POL Refueler's Area, Kadena Air Base, Okinawa. Claims Release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



18 August 1959

PROCUREMENT

1. MODIFICATION, REPAIR WORK, (Uncl) Request for Proposal for project at Bldg. S-4068, Elementary School, Kadena Air Base, was forwarded to seven (7) contractors, to be returned by 4 September 1959.
2. INSTALLATION, THREE VEHICLE LIFTS AND ACCESSORIES, (Uncl) Supplemental Agreement was issued to Senko Kensetsu Kogyo K.K. on contract for project at Base Motor Pool Area, Kadena Air Base providing for relocation of existing electrical line due to changed conditions, increasing contract price to \$5,704.00 and extending completion date to 6 January 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

19 August 1959

PROCUREMENT

1. REPAIR WORK, GRASS CUTTING (Uncl) Contract was awarded to Isa Construction Company in the amount of \$4,014.00 for project at turfed airstrip, Miyako Shima, Ryukyu Islands. Authority to Proceed was issued to contractor, establishing completion date of 8 July 1960.
2. REPAIR, (Uncl) Supplemental Agreement was issued to Blackledge, Inc., on contract for project at four (4) Base Warehouses, Kadena Air Base, Okinawa providing for time extension to 27 November 1959 to compensate contractor for delays incurred due to conditions beyond his control.
3. PAINTING, (Uncl) Supplemental Agreement was issued to Kishi Gumi Company on contract for project at Dependent School building and two (2) School cafeterias, Naha Air Base providing for time extension to 31 August 1959 due to inclement weather.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

21 August 1959

PROCUREMENT

1. REPAIRS, OVERHEAD ELECTRICAL DISTRIBUTION SYSTEM, (Uncl) Contract with Westpac, Inc. in the amount of \$77,380.76 for project at Kadena Air Base, Okinawa was forwarded to Fifth Air Force for manual approval.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



24 August 1959

PROCUREMENT

1. BLDG. #750, HIGH ALTITUDE TRAINING BLDG. (Uncl) Supplemental Agreement issued to Westpac, Inc. provides for time extension to 23 November 1959. Extension granted as a result of delays incurred pending finalization in incorporation of additional electrical work in scope of project. Increase in contract price to \$6,355.84.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

27 August 1959

PROCUREMENT

1. ELECTRICAL MODIFICATION, REPAIR, DAMAGED PAVEMENT AND ROAD CROSSING.  
(Uncl) Supplemental Agreement was issued to Tokai Electrical Installation Co., Ltd. on Contract for project at 7th TDS, Okinawa, R.I. providing for increase in scope of work; increases price \$146.65, making new contract price \$17,059.49.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

31 August 1959

PROCUREMENT

1. TERMITE CONTROL, 21 MISC. BLDGS, (Uncl) Request for Proposal for project at Kadena Air Base, Okinawa was forwarded to seven (7) contractors, to be returned by 14 September 1959.
2. TITLE I SERVICES FOR DESIGN PREPARATION, (Uncl) Supplemental Agreement was issued to Thomas B. Bourne Associates, Inc., on contract for project at Kadena Air Base, Okinawa providing for time extension to 15 September 1959 due to delays incurred because of lengthy review of preliminary submission.
3. MODIFICATION, 3 ARRESTING BARRIERS, CONSTRUCTION, 1 ARRESTING BARRIER, (Uncl) Supplemental Agreement was issued to Ikisui Construction Co., Ltd. on contract for project at Kadena Air Base, Okinawa providing for increase in scope of work and an increase in the contract price to \$50,192.02 to compensate contractor for accomplishment of the additional work.
4. INSTALLATION, COMMUNICATION DUCTS. (Uncl) Final payment was made to Yokatsu Kensetsu Co. on contract in the amount of \$546.29 for project at ADGC Bldg., Naha Air Base, Okinawa. Claims release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



1 September 1959

PROCUREMENT

1. GRADING, EARTHWORK, RECEIVER AREA SITE, (Uncl) Request for Proposal for project at Yozadake Air Station, Okinawa was forwarded to 8 contractors, to be returned by 8 September 1959.
2. RELOCATION, MODIFICATION, QUONSETS FOR YOUTH CENTER BUILDING, YOUTH ACTIVITIES BUILDING. (Uncl) Request for Proposal for project at Kadena Air Base, Okinawa was forwarded to 9 contractors to be returned by 15 September 1959.
3. MODIFICATION, SECONDARY POWER BUST DISTRIBUTION IN TRANSFORMER HOUSE- (Uncl) Request for Proposal for project at Kadena Air Base, Okinawa was forwarded to 5 contractors, to be returned by 10 September 1959.
4. PAVING REPAIR WORK, BASE MOTOR POOL, (Uncl) Contract with Sanko Kensetsu Kogyo K.K. in the amount of \$88,543.40 for project at Kadena Air Base, Okinawa was hand-carried to Fifth Air Force for manual approval.
5. CONSTRUCTION, 4 SQUADRON OPERATIONS BLDGS., 4 SQDN. MAINTENANCE BLDGS. (Uncl) Supplemental Agreement was issued to JHW, INC., on contract for project at Kadena Air Base, Okinawa, providing for time extension to 28 September 1959 due to delays incurred pending removal of temporary quonsets.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

2 September 1959

PROCUREMENT

1. INTERIOR PAINTING, 20 H-TYPE BARRACKS, (Uncl) Supplemental Agreement was issued to Zentaro Gumi Construction Co., on contract for project at Kadena Air Base, Okinawa, providing for increase in scope of work, extension of time to 11 April 1960. Increase in contract price to 28,501.56.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

4 September 1959

PROCUREMENT

1. REPLACEMENT, RUNWAY LIGHTING CABLE, (Uncl) Request for Proposal for project at Naha Air Base, Okinawa, was forwarded to five (5) contractors to be returned by 21 September 1959.
2. INSTALLATION, ELECTRICAL, PLUMBING APPURTENANCES FOR WASHER AND DRYER HOOK-UPS, (Uncl) Request for Proposal for project at Housing Areas, Kadena Air Base, Okinawa, was forwarded to eight (8) contractors to be returned by 17 September 1959.
3. EXTERIOR PAINTING, AIRMEN'S DORMITORIES AND MESS HALLS, (Uncl) Request for Proposal for project at Kadena Air Base, Okinawa, was forwarded to six (6) contractors to be returned by 23 September 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



8 September 1969

PROCUREMENT

1. REPAIRS, OVERHEAD ELECTRICAL DISTRIBUTION SYSTEM, (Uncl) Contract with Westpac, Inc. in the amount of \$77,380.76 for project at Kadena Air Base, Okinawa was manually approved by Fifth Air Force on 1 September 1959. Authority to Proceed was issued to Contractor, establishing completion date of 23 March 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

10 September 1959

PROCUREMENT

1. CONSTRUCTION, ONE (1) CONCEALMENT SHELTER, (Uncl) Contract was awarded to Maeda Gumi in the amount of \$4,581.50 for project at 12th ADS Area, Kadena Air Base, Okinawa. Authority to Proceed was issued to contractor, establishing completion date of 8 March 1960.
2. PAVING REPAIR WORK, (Uncl) Contract with Sanko Kensetsu Kogyo I.K. in the amount of \$88,543.40 for project at Base Motor Pool Area, Kadena Air Base, Okinawa was manually approved by Fifth Air Force on 4 September 1959. Authority to Proceed was issued to Contractor, establishing completion date of 9 March 1960.
3. GRADING, TWO (2) ANTENNA PADS, (Uncl) Final payment was made to Maeda Gumi on contract in the amount of \$3,077.50 for project at Yozadake Air Station, Okinawa. Claims Release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

11 September 1959

PROCUREMENT

1. CONSTRUCTION, INCINERATOR, (Uncl) Request for Proposal for project at 18th Tactical Fighter Wing, Kadena Air Base and 6927th Radio Mobile Sqdn., Onna Point, Okinawa, was forwarded to five (5) contractors, to be returned by 24 September 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



14 September 1959

PROCUREMENT

1. REPAIR, PAINTING OF AACS FACILITIES (Uncl) Request for Proposal for project at Ie Shima and Kadena Air Base, was forwarded to seven (7) contractors, to be returned by 24 September 1959.
2. PAVING, PARKING AREAS AT BASE EXCHANGE SERVICE SERVICE STATION, LACKLAND RESTAURANT. (Uncl) Supplemental Agreement was issued to Kensetsu Kogyo K. K. on contract for project at Kadena Air Base providing for additional base course material in paving of Service station and increasing contract price to new total of \$17,019.83.

WALTER V. KARLSON  
Major, US F  
Procurement Officer

17 September 1959

PROCUREMENT

1. MODIFICATIONS, BLDG 582, AACS MAINTENANCE SHOPS, (Uncl) Request for Proposal for project at Naha Air Base, was forwarded to eight (8) contractors, to be returned by 25 September 1959.
2. REPAIR, PERMANENT AIRMEN'S DORMITORY, BLDG 725, (Uncl) Request for Proposal for project at Kadena Air Base, was forwarded to seven (7) contractors, to be returned by 28 September 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

1  
18 September 1959

PROCUREMENT

1. REPAIR, GYMNASIUMS, (Uncl) Request for Proposal for project at Kadena Air Base, was forwarded to five (5) contractors, to be returned by 6 October 1959.
2. REPAIR, ELECTRICAL SYSTEM, 15TH TACRECON, (Uncl) Request for proposal at Kadena Air Base, was forwarded to five (5) contractors to be returned by 28 September 1959.
3. TERMITE CONTROL TREATMENT, STILLWELL PARK HOUSES (Uncl) Request for Proposal for project at Kadena Air Base, was forwarded to seven (7) contractors, to be returned by 6 October 1959.
4. MODIFICATION, FINANCE OFFICE, (Uncl) Request for Proposal for project at Kadena Air Base, was forwarded to seven (7) contractors to be returned by 28 September 1959.
5. INSTALLATION, MEAT DISPLAY CASES, (Uncl) Request for Proposal for project at Commissary, Kadena Air Base, was forwarded to five (5) contractors, to be returned by 28 September 1959.
6. REPAIR, MODIFICATION DEPENDENT'S LOUNGE, (Uncl) Request for Proposal for project at Flight Line, Kadena Air Base, was forwarded to six (6) contractors, to be returned by 28 September 1959.
7. MODIFICATION, 7 SUBSTATIONS STEARLEY HEIGHTS AREA. (Uncl) Supplemental Agreement was issued to Westpac, Inc. on contract for project at Kadena Air Base providing for increase in scope of work and increasing new total price to \$14,180.08.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



22 September 1959

PROCUREMENT

1. REPAIR, ACCESS TO LOADING DOCK. (Uncl) Final payment was made to James E. Bandy & Associates on contract in the amount of \$3,075.00 for project at Building #70, Naha Air Base, Okinawa. Claims Release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

23 September 1959

PROCUREMENT

1. MODIFICATION, REPAIR WORK, BLDG, #S-4068, ELEMENTARY SCHOOL, (Uncl)  
Contract was awarded to Yomitan Industries Company in the amount of \$16,912.92 for project at M & K Area, Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 20 January 1960.
2. INSTALLATION, WASHER AND DRYER HOOK-UPS, TEMPORARY DEPENDENT HOUSES. (Uncl)  
Contract was awarded to Westpac, Inc. in the amount of \$11,532.21 for project at Arnold Terrace, Morgan Manor and Jennings Area at Kadena Air Base. Authority to Proceed was issued to contractor, establishing completion date of 22 March 1960.
3. GRADING, EARTHWORK, RECEIVER AREA SITE. (Uncl)  
Contract was awarded to Zentaro Gumi Construction Company in the amount of \$2,586.76 for project at Yozadake Air Station, Okinawa, R.I.. Authority to Proceed was issued to contractor, establishing completion date of 21 January 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

24 September 1959

PROCUREMENT

1. APPLICATION, ANTI-TERMITE TREATMENT MISCELLANEOUS BUILDINGS, (Uncl)  
Contract was awarded to Blackledge, Inc., in the amount of \$16,347.74 for project at Kadena Air Base, Okinawa. Authority to Proceed was issued to contractor, establishing completion date of 21 January 1960.
2. REPAIR, PARKING AREAS, LACKLAND RESTAURANT AND GAS STATION. (Uncl)  
Supplemental Agreement was issued to Sanko Kensetsu Kogyo, K.K. on contract for project at Kadena Air Base, Okinawa providing for increase in scope of work of raising certain manholes. Increase in contract price to \$17,065.83.
3. CONSTRUCTION, INSTALLATION, 14 RUNWAY DISTANCE MARKERS, (Uncl)  
Final payment was made to Takayoshi Gumi on contract in the amount of \$1,465.83 for project at Naha Air Base, Okinawa. Claims Release was obtained from contractor prior to payment.
4. CONSTRUCTION, BITUMINOUS MACADAM SURFACE PARKING PAVEMENT. (Uncl)  
Final payment was made to Zentaro Gumi Construction Co. on contract in the amount of \$4,038.20 for project at 6023rd Area, Naha Air Base, Okinawa. Claims Release was obtained from contractor prior to payment.
5. CONSTRUCTION, BOX AND PIPE CULVERTS, FIELD MAINTENANCE AREA, (Uncl)  
Final payment was made to Yokatsu Kensetsu Co. on contract in the amount of \$6,464.09 for project Naha Air Base, Okinawa. Claims Release was obtained from contractor prior to payment.
6. MODIFICATION, MEZZANINE, FIELD MAINTENANCE HANGAR, (Uncl) Final payment was made to Yokatsu Kensetsu Co. on contract in the amount of \$1,299.03. Claims Release was obtained from contractor prior to payment.

WALTER V. KARLSON  
Major, USAF  
Procurement



25 September 1959

PROCUREMENT

1. MODIFICATION, SECONDARY POWER BUS DISTRIBUTION IN TRANSFORMER HOUSE.  
(Uncl) Contract was awarded to Okisui Construction Co., Ltd. in the amount of \$2,703.00 for project at Kadena Air Base, Okinawa. Authority to Proceed was issued to contractor, establishing completion date of 24 March 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

28 September 1959

PROCUREMENT

1. RELOCATION, MODIFICATION, QUONSETS FOR YOUTH CENTER AND YOUTH  
ACTIVITIES BUILDINGS, (Uncl) Contract was awarded to Yokatsu Kensetsu  
Company in the amount of \$12,972.72 for project at Kadena Air Base,  
Okinawa. Authority to Proceed was issued to contractor, establishing  
completion date of 26 January 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

28

1 October 1959

PROCUREMENT

1. REPAIR, PAINTING, 18TH A&E BLDG AND HOMING BEACON STATION. (Uncl)  
Contract was awarded to Hashimoto Gumi in the amount of \$2,123.98 for project at Kadena Air Base and Globe Comm Bldgs at Ie Shima. Authority to proceed was issued to contractor, establishing completion date of 17 February 1960.
2. REPAIRS, ELECTRICAL DISTRIBUTION SYSTEM, 15TH TACRECONRON. (Uncl)  
Contract was awarded to Paccon Corporation in the amount of \$12,654.36 for project at Flight Line area, Kadena Air Base. Authority to proceed was issued to contractor, establishing completion date of 29 March 1960.
3. CONSTRUCTION, TWO PERMANENT INCINERATORS WITH JET RAY OIL BURNER. (Uncl)  
Contract was awarded to Westpac, Inc. in the amount of \$5,595.44 for project at 6927th RSM, Onna Point and 18th FEW, Kadena Air Base. Authority to proceed was issued to contractor, establishing completion date of 27 February 1960.
4. INSTALLATION, GOVERNMENT-OWNED MEAT DISPLAY CASES. (Uncl)  
Contract was awarded to Westpac Inc. in the amount of \$9,311.10 for project in the Commissary, Kadena Air Base. Authority to proceed was issued to contractor, establishing completion date of 27 February 1960.
5. MODIFICATIONS, BUILDING #582. (Uncl)  
Contract was awarded to Maeda Gumi in the amount of \$7,416.47 for project at AACS Maintenance Shops, Naha Air Base. Authority to proceed was issued to contractor, establishing completion date of 27 February 1960.
6. REPAIR, MODIFICATION OF BLDG #T-2050. (Uncl)  
Contract was awarded to James E. Bandy & Associates, Ltd. in the amount of \$16,347.40 for project in Transient Dependent's Lounge, Flight Line Area, Kadena Air Base. Authority to proceed was issued to contractor, establishing completion date of 29 March 1960.
7. MODIFICATION, REPAIR WORK. (Uncl)  
Contract was awarded to Yokatsu Kensetsu Co. in the amount of \$9,917.18 for project at Finance Office, Kadena Air Base. Authority to proceed was issued to contractor, establishing completion date of 28 January 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



2 October 1959

PROCUREMENT

1. REPAIR, AIRMEN'S DORMITORY, (Uncl) Contract with James E. Bandy & Associates, Ltd. in the amount of \$58,240.92 for project at Kadena Air Base was forwarded to Fifth Air Force for manual approval.
2. CONSTRUCTION, SQUADRON OPERATIONS BLDGS, SQUADRON MAINTENANCE BLDGS. (Uncl) Supplemental Agreement was issued to JHW, Inc. on contract for project at Naha Air Base providing for time extension until 28 December 1959 due to government possession of all buildings prior to completion and late arrival of electrical fixtures replacements.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

12 October 1959

PROCUREMENT

1. INSTALLATION, COMPRESSED AIR LINES IN MAINTENANCE HANGAR, NAPA AIR BASE. (Uncl) Supplemental Agreement No. 2, Contract No. AF62(321)-1346 issued to Blackledge, Inc. Time extension granted until 30 November 1959. Contractor's material delivery delayed due to West Coast dock strike and Typhoon Vera damage to vessel in Japan.
2. REPLACEMENT, EXTERIOR METAL DOORS, KADENA AIR BASE, (Uncl) Supplemental Agreement No. 4, Contract No. AF62(321)-1365 issued to Blackledge, Inc. Time extension granted until 30 November 1959. Contractor's materials delayed due to equipment failure at manufacturer's plant.
3. REPAIR, 19 QUONSET-TYPE BOQ's, KADENA AIR BASE, (Uncl) Supplemental Agreement No. 2, Contract No. AF 62(321)-1386 issued to Maeda Gumi. Contractor to provide 120 sets of deteriorated quonset ribs; to replace floor slab in BOQ No. T-285; and to delete all work on BOQ No. T-335. Contract is increased by the sum of \$1,451.12 and performance period is extended to 24 February 1960.
4. MODIFICATION, ELECTRICAL DISTRIBUTION SYSTEM, (Uncl) Final Payment was made to Westpac, Inc. on Contract No. AF62(321)-1178 in the amount of \$53,435.13. Claims release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

13 October 1959

PROCUREMENT

1. EXTENSION, AIR CONDITIONING SYSTEM, DIVISION HEADQUARTERS BLDG, KADENA AIR BASE. (Uncl) Request for Proposal No. 62-321-60-981, Project No. KAD-79-8, forwarded to 7 contractors to be returned by 26 October 1959.
2. REPAIR, REPLACEMENT, WATER DISTRIBUTION LINES, JENNINGS AREA, KADENA AIR BASE. (Uncl) Request for Proposal No. 62-321-60-980, Project No. KAD-134-6, forwarded to seven contractors, to be returned by 9 November 1959.
3. ADDITION TO HIGH ALTITUDE TRAINING BLDG., KADENA AIR BASE. (Uncl) Supplemental Agreement No. 2 to Contract No. AF62(321)-1366, was issued to Westpac, Inc. Contractor to install one new door; install water and drain lines; and perform other general revisions. Contract is increased by the sum of \$2,053.28 and performance period is extended to 23 March 1960.
4. EXTERIOR PAINTING, 12 PERMANENT TYPE BOQS, KADENA AIR BASE, (Uncl) Supplemental Agreement No. 1 to Contract No. AF 62(321)-1393 was issued to Isa Construction Company. Revisions in Color Scheme of BOQS entails an increase in price of \$1,600.00 and extends the contract period to 15 January 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



14 October 1959

PROCUREMENT

1. CONSTRUCTION, MODIFICATION OF FACILITIES FOR USAFSS, KADENA AIR BASE.  
(Uncl) Supplemental Agreement No. 8, Contract AF62(321)-1347, issued to Sanko Kensetsu Kogyo K.K. Contract period extended to 3 November 1959 due to time lost as a result of typhoon conditions prevalent during August, September and early October 1959.
2. INSTALLATION, ACOUSTIC TILE CEILINGS AND WALLS, OLYMPIC, KEYSTONE THEATERS, KADENA AIR BASE, (Uncl) Final payment made to Yokatsu Kensetsu Company, Contract No. AF62(321)-1374, amount of \$3,461.04. Claims release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

15 October 1959

PROCUREMENT

1. REPAIR, PERMANENT AIRMEN'S DORMITORY, KADENA AIR BASE, (Uncl) Contract No. AF62(321)-1447 in the amount of \$58,240.82. Manually approved by Fifth Air Force on 12 October 1959. Authority to Proceed was issued to Contractor establishing completion date of 13 April 1960.
2. CONSTRUCTION AFSS FACILITIES, ACADEMY AREA, KADENA AIR BASE, (Uncl) Supplemental Agreement No. 9, Contract No. AF62(321)-1347, issued to Sanko Kensetsu. Reimburses United States Government for transporting corrugated metal sheets from Japan to Okinawa. Contract decreased by \$75.22.
3. MODIFICATION, OPERATIONAL APRON, NAHA AIR BASE, (Uncl) Supplemental Agreement No. 1, Contract AF62(321)-1384, issued to Far East Construction Services, Inc. Contractor to accomplish certain diversified revisions in scope or work which entail overall downward modification in amount of \$2,388.94. Contract period extended to 11 January 1960.
4. EXTERIOR PAINTING, TEMPORARY BUILDINGS, NAHA AIR BASE, (Uncl) Final payment made to Kishi Gumi Company, Contract No. AF62(321)-1330 in the amount of \$7,371.46. Claims Release obtained from contractor.
5. REHABILITATION, SIX (6) QUONSETS, NAHA AIR BASE, (Uncl) Final payment made to Yokatsu Kensetsu Company, Contract No. AF62(321)-1408 in the amount of \$7,272.87. Claims release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



20 October 1959

PROCUREMENT

1. INSTALLATION AIR CONDITIONING & HEATING SYSTEM, WING NOS. BLDG., KADENA  
AIR BASE. (Uncl) Request for Proposal No. 62-321-60-1021, Project No. KAD-  
81-8, forwarded to 7 Contractors, to be returned by 13 November 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



21 October 1959

PROCUREMENT

1. MODIFICATIONS, BASE SUPPLY BUILDING, NAHA AIR BASE, (Uncl) Contract No. AF62(321)-1454 awarded to Hashimoto Gumi in the amount of \$9,058.31. Authority to Proceed issued to contractor, establishing completion date of 19 April 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

22 October 1959

PROCUREMENT

1. ARCHITECTURAL ENGINEERING DESIGN OF PROJECT DOCUMENTS FOR AIR  
CONDITIONING, COMMISSARY, KADENA AIR BASE, (Uncl) Request For Proposal  
No. 62-521-60-1037, Project No. KAD-698-0 was forwarded to one (1)  
contractor, to be returned by 6 November 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

23 October 1959

PROCUREMENT

1. ELECTRICAL MODIFICATION, 7TH TDS FACILITIES, KADENA AIR BASE, (Uncl)  
Final payment was made to Tokai Electrical Installation Co., Ltd on Contract  
No. AF62(321)-1326 in the amount of \$17,059.49. Claims release obtained  
from Contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



26 October 1959

PROCUREMENT

1. REPAIR, CEILING INSULATION, COLD STORAGE WAREHOUSE, KADENA AIR BASE.  
(Uncl) Request for Proposal No. 62-321-60-1072, Project No. KAD-697-0,  
forwarded to seven (7) contractors, to be returned by 2 November 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

27 October 1959

PROCUREMENT

1. MODIFICATION, TAILGATE DOORS, FIELD MAINTENANCE HANGAR, NAHA AIR BASE.  
(Uncl) Supplemental Agreement No. 2, Contract No. AF62(321)-1353 issued to Far East Construction Services, Inc. Extends performance period to 22 December 1959 due to late shipment of contractor's materials attributed to typhoon damage to manufacturer's plant in Japan.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

28 October 1959

PROCUREMENT

1. CONSTRUCTION, SIDEWALKS, KADENA AIR BASE, (Uncl) Supplemental Agreement No. 2, Contract No. AF62(321)-1394 issued to Yomitan Industries Company. Extends performance period to 10 November 1959 due to time lost during typhoons and resulting inclement weather.
2. INSTALLATION, TILE FLOORING, FOUR H-TYPE BARRACKS, KADENA AIR BASE. (Uncl) Final Payment was made to OHKI Construction Co., Ltd. on Contract No. AF62(321)-1392 in the amount of \$15,802.08. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



29 October 1959

PROCUREMENT

1. REPAIR, OVERRUNS, NAHA AIR BASE, (Uncl) Request for Proposal No. 62-321-60-1116, Project No. NAH-217-60, was forwarded to six (6) contractors, to be returned by 6 November 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

30 October 1959

PROCUREMENT

1. EXTERIOR PAINTING, TWENTY-TWO (22) AIRMEN'S DORMITORIES AND FIVE (5) DINING HALLS, KADENA AIR BASE. (Uncl) Contract No. AF62(321)-1457 with Yamaguchi Construction & Industries Co., Ltd. in the amount of \$24,061.00 was forwarded to Fifth Air Force for manual approval.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

2 November 1959

PROCUREMENT

1. REPAIR, AIRCRAFT PARKING HARDSTANDS, KADENA AIR BASE, (Uncl) Final Payment was made to Nanyo Doken Construction Co., Ltd on Contract AF62(321)-1251 in the amount of \$224,084.61. Claims Release obtained from contractor.
2. REPAIR, ROOFS, MAINTENANCE HANGARS, KADENA AIR BASE, (Uncl) Final Payment was made to Yokatsu Kensetsu Company on Contract AF62(321)-1373 in the amount of \$4,126.20. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



3 November 1959

PROCUREMENT

1. MODIFICATION, BOILER SYSTEM, AIRMEN'S CLUB, KADENA AIR BASE, (Uncl)  
Request for Proposal No. 62-321-60-1143, Project No. KAD-695-0, was forwarded to six (6) contractors, to be returned by 13 November 1959.
2. CONSTRUCTION, AFSS FACILITIES, ACADEMY AREA, KADENA AIR BASE, (Uncl)  
Supplemental Agreement No. 10, Contract AF62(321)-1347, issued to Sanko Kensetsu Kogyo K.K. Extends time to 15 December 1959 to compensate contractor for late shipment of materials from Z.I. due to steel strike, delayed shipment of materials due to typhoon-damaged factories in Japan, and delays incurred by Typhoon Charlotte.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

4 November 1959

PROCUREMENT

1. CLEANING, CALIBRATION, REPAIR, TWENTY (20) POL TANKS, NAHA AIR BASE.  
(Uncl) Final Payment was made to Stanbo Protective Coatings, Inc. on Contract No. AF62(321)-1349 in the amount \$26,545.76. Claims Release obtained from contractor.
2. GRADING, EARTHWORK, RECEIVER AREA SITE, YOZADAKE AIR STATION, (Uncl)  
Final Payment was made to Zentaro Gumi Construction Company on Contract No. AF62(321)-1429 in the amount of \$2,586.76. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

5 November 1959

PROCUREMENT

1. CONSTRUCTION, RUNWAY APPROACH LIGHTING, NAHA AIR BASE, (Uncl)  
Supplemental Agreement No. 8, Contract No. AF62(321)-684 issued to  
E. V. Lane Corporation. Increases contract amount by \$2,765.00 as  
full and final reimbursement for all additional expenses incurred  
by the contractor due to suspension of work order given him on 22  
July 1956.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



6 November 1959

PROCUREMENT

1. EXTENSION, AIR CONDITIONING SYSTEM, DIVISION HEADQUARTERS BLDG. T-1.  
KADENA AIR BASE, (Uncl) Contract No. AF62(321)-1459 was awarded to Westpac,  
Inc. in the amount of \$11,165.33. Authority to Proceed was issued to Contractor,  
establishing completion date of 4 May 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

9 November 1959

PROCUREMENT

1. REPAIRS AND APPLICATION, ANTI-TERMITE TREATMENT IN GYMNASIUM, KADENA AIR BASE, (Uncl) Contract AF62(321)-1461 with Far East Construction Services, Inc. in the amount of \$30,567.57 was forwarded to Fifth Air Force for manual approval.
2. REPLACEMENT, RUNWAY LIGHTING CABLE, NAHA AIR BASE, (Uncl) Contract AF62(321)-1462 with Zentaro Gumi Construction Co. in the amount of \$21,856.99 was forwarded to Fifth Air Force for manual approval.
3. MODIFICATION, ELECTRICAL SYSTEM, FOUR HANGARS, 15TH TAC, KADENA AIR BASE, (Uncl) Final Payment was made to Pudaya Trading & Supply Co. Ltd. on Contract AF62(321)-1276 in the amount of \$22,565.30. Claims Release obtained from contractor.
4. ANTI-TERMITE TREATMENT, MISCELLANEOUS BUILDINGS, KADENA AIR BASE. (Uncl) Final Payment was made to Blackledge, Inc. on Contract AF62(321)-1431 in the amount of \$16,347.74. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

10 November 1959

PROCUREMENT

1. REPAIR, CEILING INSULATION, COLD STORAGE WAREHOUSE, KADENA AIR BASE.  
(Uncl) Contract AF62(321)-1463 was awarded to Blackledge, Inc. in the amount of \$19,933.16. Authority to Proceed was issued to contractor, establishing completion date of 10 March 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



18 November 1959

PROCUREMENT

1. EXTERIOR PAINTING, TWENTY-TWO (22) PERMANENT AIRMEN'S DORMITORIES AND FIVE (5) PERMANENT DINING HALLS, KADENA AIR BASE (Uncl). Contract No. AF 62(321)-1457 with Yamaguchi Construction & Industries Co., Ltd. in the amount of \$24,061.00 was manually approved by Fifth Air Force on 6 November 1959. Authority to Proceed issued to contractor, establishing completion date of 17 May 1960.
2. CONSTRUCTION, SIDEWALKS, KADENA AIR BASE. (Uncl). Supplemental Agreement No. 3, Contract AF 62(321)-1394, was issued to Yomitan Industries Company. Provides for adjustment of existing manhole covers for price increase of \$876.97 and extends time to 21 December 1959.
3. PAVING REPAIR WORK, BASE MOTOR POOL, KADENA AIR BASE (Uncl). Supplemental Agreement No. 2, Contract AF 62(321)-1417, was issued to Sanko Kensetsu Kogyo K.K. Repairs and relocates broken sewer line for price increase of \$325.00.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

19 November 1959

PROCUREMENT

1. REPAIR, TYBASE BARRACKS, BLDG 721, KADENA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1209, Project No. KAD-609-0, was forwarded to seven (7) contractors, to be returned by 7 December 1959.
2. MODIFICATION, EXTERIOR ELECTRICAL DISTRIBUTION SYSTEM, FLIGHT LINE AREA, KADENA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1210, Project No. KAD 91-8, was forwarded to six (6) contractors, to be returned by 7 December 1959.
3. REPAIR, OPERATIONAL APRON, KADENA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1211, Project No. KAD-616-0, was forwarded to seven (7) contractors, to be returned by 7 December 1959.
4. ERECTION, SECURITY FENCE, MSQ AREA, NAHA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1224, Project No. NAH-141-60, was forwarded to seven (7) contractors, to be returned by 30 November 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

20 November 1959

PROCUREMENT

1. ERECTION, SECURITY FENCE, ROCKET STORAGE AREA, NAHA AIR BASE (Uncl).  
Request for Proposal No. 62-321-60-1239, Project No. HAH-156-60, was forwarded to seven (7) contractors, to be returned by 30 November 1959.
2. EXTERIOR PAINTING, TWELVE (12) PERMANENT BOQS, KADENA AIR BASE (Uncl).  
Supplemental Agreement No. 2, Contract AF 62(321)-1393, issued to Isa Construction Company. Revises color scheme in two (2) buildings for an increase of \$341.00 to contract price.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



23 November 1959

PROCUREMENT

1. ARCHITECTURAL ENGINEERING DESIGN OF PROJECT DOCUMENTS FOR BEAMO BLDG, KADENA AIR BASE (Uncl). Contract AF 62(321)-1464 was awarded to Thomas B. Bourne Associates, Inc. in the amount of \$3,300.00. Authority to Proceed issued to contractor, establishing completion date of 6 Feb 1960.
2. REPAIR, ELECTRICAL SYSTEMS, THREE (3) H-TYPE DORMITORIES, KADENA AIR BASE (Uncl). Final Payment made to Westpac, Inc. on Contract No. AF62(321)-1376 in the amount of \$6,469.63. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

24 November 1959

PROCUREMENT

1. ARCHITECTURAL ENGINEERING DESIGN OF PROJECT DOCUMENTS FOR AIR CONDITIONING, COMMISSARY, KADENA AIR BASE (Uncl). Contract No. AF 62(321)1474 awarded to Thomas B. Bourne Associates, Inc. in the amount of \$3,200.00. Authority to Proceed was issued to contractor, establishing completion date of 17 February 1960.
2. MODIFICATION, AIR CONDITIONING PLANT, FLIGHT SIMULATOR BUILDING, KADENA AIR BASE, (Uncl). Supplemental Agreement No. 3, Contract No. AF 62(321)1364 issued to Paccon Corp. Extends time to 12 February 1960 due to manufacturer's error in shipment of Condensing Unit to contractor.
3. CONSTRUCTION OF INCINERATOR FOR 6927TH RSM, ONNA POINT & 18TH FBW, KADENA AIR BASE, (Uncl). Supplemental Agreement No. 1, Contract No. AF 62(321)1441, Project No. KAD-646-0, was issued to Westpac, Inc. Provides for relocation of incinerator at Onna Point for price increase of \$53.60.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

25 November 1959

PROCUREMENT

1. REPAIR OF OVERRUNS, NAHA AIR BASE, (Uncl). Contract AF 62(321)-1462 awarded to Zentaro Gumi Construction Co. in the amount of \$21,856.99. Authority to Proceed issued to contractor, establishing completion date of 25 May 1960.
2. REPAIR OF OVERRUNS, NAHA AIR BASE, (Uncl). Contract AF 62(321)-1476 awarded to Far East Construction Services, Inc. in the amount of \$1,680.00. Work is to be completed on 24 December 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



27 November 1959

PROCUREMENT

1. REPLACEMENT OF EXTERIOR METAL DOORS IN PERMANENT H-TYPE BARRACKS, KADENA AIR BASE (Uncl). Supplemental Agreement No. 5, Contract AF62(321)-1365, issued to Blackledge, Inc. Provides for time extension to 31 December 1959 due to delay in arrival of materials from Z.I. based on strikes and performance time loss during typhoon conditions.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

30 November 1959

PROCUREMENT

1. REPAIR OF FOUR (4) BASE WAREHOUSES, KADENA AIR BASE, (Uncl). Supplemental Agreement No. 3, Contract AF 62(321)-1385 issued to Blackledge, Inc. Extends time to 28 December 1959 due to time lost during typhoons and delay in arrival of materials because of steel strike in Z.I.

2. INSTALLATION OF WASHER AND DRYER HOOK-UPS, STILWELL PARK HOUSES, KADENA AIR BASE (Uncl). Supplemental Agreement No. 1, Contract No. AF 62(321)-1391 issued to Westpac, Inc. Extends Performance Period to 25 January 1960, due to late arrival of materials caused by steel strike in the United States.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

28

1 December 1959

PROCUREMENT

1. REPAIR OF WATERLINES, NAHA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1290, Project No. NAH-216-60, was forwarded to eight (8) contractors, to be returned by 21 December 1959.
2. ASPHALTIC CONCRETE PAVEMENT REPAIR AND RE-SEALING OF MAINTENANCE APRON. 16TH FIS AREA, NAHA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1288, Project No. NAH-145-60, was forwarded to seven (7) contractors, to be returned by 11 December 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



2 December 1959

PROCUREMENT

1. CONSTRUCTION OF TECH SUPPLY AND ISSUE BUILDING, KUME SHIMA (Uncl). Contract No. AF 62(321)-1478 was awarded to Blackledge, Inc., in the amount of \$7,960.13. Authority to Proceed was issued to contractor, establishing completion date of 31 May 1960.
2. REPAIR, OVERHEAD ELECTRICAL DISTRIBUTION SYSTEM AT KADENA AIR BASE (Uncl). Supplemental Agreement No. 1, Contract AF 62(321) 1415 issued to Westpac, Inc. Provides for overhead electrical hook-up and tie-in to USAFSS Facilities at Academy Area for price increase of \$2,241.39 and extends time to 21 May 1960.
3. REPAIR OF ROADS, KADENA AND NAHA AIR BASES (Uncl). Supplemental Agreement No. 11, Contract No. AF 62(321)1320, Project Nos. KAD-8-7 and NAH-20-9 was issued to Hashimoto Gumi. Contract period is extended to 5 January 1960 to compensate contractor for performance time lost due to delays in obtaining government-furnished asphaltic concrete.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

3 December 1959

PROCUREMENT

1. EXTERIOR PAINTING, TWENTY-TWO (22) AIRMEN'S DORMITORIES AND FIVE (5) DINING HALLS, KADENA AIR BASE (Uncl). Supplemental Agreement No. 2, Contract AF 62(321) 1457 issued to Yamaguchi Construction & Industries Co., Ltd. Revises color schedule and extends time to 27 May 1960 as compensation for time lost pending finalization of color change.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

4 December 1959

PROCUREMENT

1. AIR CONDITIONING SYSTEM, SQUADRON OPERATIONS BUILDING, KADENA AIR BASE (Uncl). Request for Proposal No. 62-321-60-1348, Project No. KAD-633-0, was forwarded to seven (7) contractors, to be returned by 18 December 1959.
2. RELOCATION, FENCE IN VICINITY OF BUILDING T-47 AT NAHA AIR BASE (Uncl). Final Payment was made to Okken Construction Co. on Contract AF62(321)1361 in the amount of \$728.85. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



7 December 1959

PROCUREMENT

REPAIR, POL RAPID HYDRANT REFUELING SYSTEM, AREAS A, B, AND C, KADENA AIR BASE (Uncl). Supplemental Agreement No. 2, Contract AF 62(321)1409 issued to Westpac, Inc. Furnishes and installs conduits and concrete pull boxes for increase of \$3,960.00 and extends time to 25 April 1960.

PAINTING, DEPENDENT SCHOOL AND TWO (2) CAFETERIAS, NAHA AIR BASE (Uncl). Final Payment was made to Kishi Gumi Company on Contract AF 62(321)1363 in the amount of \$4,821.66. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

8 December 1959

PROCUREMENT

1. REPLACE TRANSFORMERS AND CABLE FEEDERS, LACKLAND RESTAURANT, KADENA AIR BASE (Uncl). Final Payment was made to Westpac, Inc. on Contract AF 62(321)1371 in the amount of \$9,683.21. Claims Release obtained from contractor.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

9 December 1959

PROCUREMENT

1. REPAIR, ACCESS ROAD AT YAETAKE AIR STATION, OKINAWA (Uncl). Request for Proposal No. 62-321-60-1355, Project NAH-71-60, was forwarded to eight (8) contractors, to be returned by 21 December 1959.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer



11 December 1959

PROCUREMENT

1. RELOCATION AND MODIFICATION OF YOUTH CENTER AND YOUTH ACTIVITIES BUILDINGS, KADENA AIR BASE (Uncl). Supplemental Agreement No. 2, Contract No. AF 62(321)-1432 was issued to Yokatsu Kensetsu Company. Provides General revisions in scope of work entailing a downward modification in the amount of \$130.80.
2. TERMITE TREATMENT IN TWO HUNDRED THIRTY-ONE (231) STEARLEY HEIGHTS HOUSES AND DISPENSARY, KADENA AIR BASE (Uncl). Supplemental Agreement No. 3, Contract AF 62(321)-1381, issued to Blackledge, Inc. Deletes termite treatment in ten (10) houses and replaces sliding door tracks in two hundred twenty-one (221) houses for a decrease in price of \$2.10 and a time extension to 26 March 1960.

WALTER V. KARLSON  
Major, USAF  
Procurement Officer

CONFIDENTIAL

29

PCAO04PKA019KMA014  
RR RJAOKC  
DE RJHPKM 73  
R 220112Z  
FM PACAF HICKAM AFB HAWAII  
TO RUHPB/USARPAC FT SHAFTER HAWAII  
INFO RJAPAA/5AF FUCHU AS JAPAN  
RJAOKC/313AD IV KADENA AB OKINAWA  
RJAOKH/6431ABGP NAHA AB OKINAWA  
RBHPB/CINCPACFLT PEARL HARBOR HAWAII  
RBHPA/CINCPAC CP H M SMITH HAWAII  
AF GRNC  
BT

/C O N F I D E N T I A L/ FROM PFSCE-PR 930  
ACTION USARPAC (GPPSO-CO), INFO 5AF (5FSCE-C-R), 313ADIV (CE),  
6431ABGP, CINCPACFLT & CINCPAC. REF YOUR CONF MSG RJ73076, 220214Z  
AUG 59. CURRENT STATUS YAETAKE AS IS THAT FUTURE REQUIREMENT FOR  
FACILITY NEGLIGIBLE. TO FILL YOUR REQUEST FOR QTRS, MEN AND ASSOCI-  
ATED FACILITIES THEREAT, FOR INDEFINITE PERIOD, REQUEST ARMY CONCUR IN  
ACCEPTING TRANSFER FROM AF WITH PROVISION THAT AF BE RESERVED TENANCY  
RIGHTS INCLUDING FUTURE EXPANSION TO 20 AF PERSONNEL. DETAILS OF  
FACILITY FOLLOW: (A) PARENT INSTALLATION: NAHA AB, OKINAWA. (B) COMMAND:  
HQ 5AF, 313ADIV. (C) LAND AREA: 43.10 ACRES. (D) LEASE NUMBERS:  
FEC 415-174 AND FEC 415-311. (E) IMPROVEMENTS ALL US INCLUDE  
21 BLDGS AND 5 SMALL POL TANKS CONSTRUCTED BETWEEN 1953-1957.  
(F) VALUE: INITIAL COST OF CONSTRUCTION \$1,512,000. (G) ANNUAL  
LAND RENTAL: \$351.60. AF REGS REQUIRE SCREENING WITH NAVY AND  
USAF APPROVAL PRIOR TO DISPOSAL BY TRANSFER TO ARMY, THEREFORE,  
RECOMMEND EXPENDITIOUS REPLY SO ACTION MAY BE INITIATED ASAP.

BT  
22/0138Z DEC RJHPKM 59

CONFIDENTIAL

SECRET

30

Headquarters  
313th Air Division  
United States Air Force  
APO 239, San Francisco, California

313IE-P

22 Oct. 1958

SUBJECT: (U) Utilization of Yaetake Air Station

TO: Commanding General  
U.S. Army, Ryukyu Islands and IX Corps  
APO 331, San Francisco, California

CINCPACAF Secret message to CINCUSARPAC, information to this headquarters is quoted for your information. Quote: SECRET from PFOOP 14724, 07 October 1958. References: (A) Your secret message GPPSO-ET RJ 79485 dated 21 August 58, (B) My PFMLP 10931 dated 27 June 58. Recent planning this headquarters relative to new weapons system for Okinawa has revealed new requirement for use of all facilities at Yaetake commencing second quarter FY 61. In view of this requirement PACAF cannot concur in your request for support of U.S. Army personnel at Yaetake after second quarter FY 61. Unquote.

FOR THE COMMANDER:

BERTRAM R. WILSON  
Captain, USAF  
Asst Chief Administration Services

SECRET



CONFIDENTIAL

31

PKAO38KMB157  
PP RJAOKC RUAWRA  
E RJHPKM 350  
P R 201902ZZEX  
FM CINCPACAF HICKAM AFB TH  
TO RJEZHQ/COFS USAF WASHDC  
INFO RJAPAD/COM5AF FUCHU AIRSTA JAPAN  
RJAOKC/COMDR 313AIRDIV KADENA AB OKINAWA  
RUAWRA/DISTRICT ENGR USAENGR DIST OKINAWA  
RUHP CR/DIVENGR USA PACOCEAN HONO  
AF GRNC

BT

/C O N F I D E N T I A L/PFCIE-ER 16568

ATTENTION: DIRECTOR OF INSTALLATIONS. SUBJECT IS OKINAWA M-SITE ITEM INCLUDED IN PACAF FY-60 MILITARY CONSTRUCTION PROGRAM, TOTALLING \$7,816,000 (\$5,816,000 in FY-59 MILITARY CONSTRUCTION AUTHORIZATION PROGRAM AND \$2,000,000 in FY-60 MCP). FOR PLANNING PURPOSES, THIS HQ ESTIMATES THAT THE OKINAWA M-SITE OPERATIONAL FACILITY WILL COST APPROXIMATELY \$10.9 MILLION. THIS IS APPROXIMATELY \$3.1 MILLION ABOVE THE PRESENT ESTIMATED PROGRAMMED COST. ADDITIONAL FUNDS IN THIS APPROXIMATE COST WILL BE REQUIRED. COST IS BASED ON \$3.2 MILLION FOR SOFT HOUSE-KEEPING AND MAINTENANCE FACILITIES PLUS HARDENED COMMUNICATIONS FACILITY AT BISHAGAWA, \$115,000 FOR HARDENED COMMUNICATIONS FACILITY AT YAETAKE AND APPROXIMATELY \$7.6 MILLION FOR THE HARDENED FIRING COMPLEX (BASED ON USAF DESIGN) AT THE SIX LAUNCH SITES. THIS HQ HAS BEEN ADVISED THAT THE DESIGN OF THE HARDENED TM-76 FIRING COMPLEX WILL BE ACCOMPLISHED IN THE CONTINENTAL UNITED STATES, PROBABLY UNDER THE JURISDICTION OF ARDC. IT IS REALIZED THAT NO REALISTIC COST ESTIMATE CAN BE PREPARED UNTIL THESE SHELTERS ARE DESIGNED AND SITE ADAPTED TO OKINAWA. THE COST ESTIMATES FOR THE HARDENED FIRING COMPLEX CAN BE REFINED AT A LATER DATE, PENDING COMPLETION OF FINAL DESIGN BY ARDC.

BT

20/1912Z NOV 1958 RJHPKM

CONFIDENTIAL

SECRET

32

RR RJAOKC  
DE RJAPDAD 341  
R 120700Z  
FM COMAFFVE FUCHU AIR STA JAPAN  
TO RJHPKM/CINCPACAF HICKAM AFT TH  
INFO RJAOKC/COMDR 313 AIR DIV KADENA AB RI  
BT

//SECRET//5FOPR-P-P 12-0520. REFERENCE YOUR MESSAGE PFMLP 10931,  
8 JULY 58. REFERENCED MESSAGE MADE FIRM COMMITMENT TO HQ USARYIS THAT  
AF WOULD PROVIDE BILLETING, MESSING, AND SUPPORT FACILITIES AT YAE TAKE  
AS. IN RECENT MEETING WITH REPRESENTATIVES OF 313AD, USARYIS REPRESENT-  
ATIVES WERE INFORMED THAT NEW PACAF REQUIREMENT (498TH TMG) MAY PRECLUDE  
PROVISION OF FACILITIES PREVIOUSLY COMMITTED. USARYIS HAS REQUESTED FROM  
313 AD THAT THEY BE INFORMED OF ANY CHANGE IN REGARD TO PREVIOUS FIRM  
COMMITMENT CONTAINED IN YOUR MESSAGE ABOVE. NO AVAILABILITY OF O/T'S FOR  
498 TMG MAKES IT IMPOSSIBLE FOR US TO DETERMINE EXACT NUMBER OF 498TH  
PERSONNEL TO BE SUPPORTED AT YAE TAKE. HOWEVER, BASED UPON RAPID LAUNCH  
CONCEPT, IT APPEARS THAT THERE WILL BE INSUFFICIENT BILLETING TO ACCOMMODATE  
USARYIS PERSONNEL. NORMAL BILLETING CAPACITY AT YAE TAKE IS 10 OFFICERS  
AND 120 AIRMEN. MESSING FACILITIES ARE CAPABLE OF SUPPORTING APPROXIMATELY  
300 PERSONS. FOR YOUR INFORMATION THERE ARE TWO BUILDINGS AT YAE TAKE:  
(1) A TRANSMITTER BLDG, 1370 SQ FT; (2) AN AC&W OPERATIONS BLDG, 3350  
SQ FT, WHICH WILL PROBABLY NOT BE REQUIRED FOR THEIR ORIGINAL PURPOSE  
AFTER THE SITE IS REOCCUPIED BY 498TH TMG PERSONNEL. POSSIBLY, THESE  
COULD BE REHABILITATED AT ARMY EXPENSE TO ACCOMMODATE THEIR PERSONNEL.  
REQUEST YOU INFORM USARYIS, BASED ON LATEST O/T INFORMATION FOR 498TH TMG,  
OF THE AF CAPABILITY TO PROVIDE THE REQUESTED BILLETING.

BT  
12/0745Z DEC 1958

SECRET

SECRET

33

PAA037AAA037

RR RJAOKC

DE RJAPAA 419

R 280437Z

FM 5AF FUCHU AIR STN JAPAN

TO RJAOKC/313 AIR DIV KADENA AB OKINAWA

INFO RJHPKM/PACAF HICKAM AFB TH

RJAOKH/6431 AB GP NAHA AB OKINAWA

BT

/SECRET/5FSCE-C-R L11487

ACTION 313 AIR DIV. INFO PACAF, 6431 AB GP. THIS MESSAGE IN TWO PARTS. PART 1. QUOTED FOR ACTION IS SECRET MESSAGE FROM PFSCE-PR. QUOTE. SECRET/FROM PFSCE-PR 640. SUBJECT IS ARMY TENANCY ON YAETAKE AS OKINAWA. ARMY HAS REQUESTED TENANCY FOR APPROXIMATELY 30 PERSONNEL AT YAETAKE AS. PERSONNEL ARE TO BE ASSIGNED TO PACIFIC SCATTER SITE TO BE LOCATED IN SAME AREA. UNDERSTANDING THIS HEADQUARTERS LOCAL COORDINATION HAS ALREADY BEEN EFFECTED. ARMY HAD PREVIOUSLY PLANNED CONSTRUCTION OF ADDITIONAL BARRACKS AND ASSOCIATED FACILITIES AT YAETAKE. HOWEVER, IF USE OF USAF FACILITIES CAN BE OBTAINED, CONSTRUCTION PLANS MAY BE DISCONTINUED AND EXPENDITURE OF FUNDS FOR PROJECT WILL NOT BE NECESSARY. PACAF PROGRAM, VO 2, REFLECTS 623; AC&W SPGN DET 5 AT YAETAKE AS RADIO RELAY THROUGH FY 4/63. SINCE CURRENT CHANGES IN DEPLOYMENT 498 TMG PLACES ALL ALUNCH AREAS WITHIN SUPPORTABLE DISTANCE OF MISSILE MAINTENANCE AND HOUSEKEEPING AREA, ADDITIONAL USE YAETAKE FOR THIS PURPOSE NO LONGER REQUIRED. IN VIEW ARMY REQUEST, DESIRE THIS HEADQUARTERS BE NOTIFIED IF USE OF QUARTERS, MESS AND ASSOCIATED FACILITIES CAN BE PROVIDED 30 ARMY PERSONNEL FOR INDEFINITE PERIOD AT YAETAKE ASM EXPEDITIOUS REPLY NECESSARY SO ARMY CONSTRUCTION MAY BE DISCONTINUED IF APPROPRIATE. UNQUOTE. PART 2. REQUEST REPLY TO PART 1 BE FURNISHED EXPEDITIOUSLY.

BT

28/0452Z SEP RJAPAA 1959

SECRET



SECRET

34

DISPOSITION FORM

Subject: Army Tenancy on Yaetake Air Station, Okinawa

TO: 313OC  
313PC  
313MC  
313VC  
(IN TURN)

From: 313CE

Date: 1 Oct 59 Comment No. 1  
Col Robertson/40103/jkj

1. You will note from the contents of the attached message from Fifth Air Force that the Army has a requirement to house approximately 30 personnel on the Yaetake Air Station for an indefinite period. Fifth Air Force desires a 313th Air Division position in this area. (U)
2. It is the understanding of this office that at present there are four communications people and 58 people in support or caretaker basis for the station. No interim or long range requirement has been evidenced for the retention of the total facility by Air Force. However, the Army has been previously advised that this station was under consideration in support of the TM-76B Mace. This requirement, to our knowledge, no longer exists. (S)
3. Request comments in order that the 313th Air Division's position can be established and earliest practicable reply made to referenced message. (U)

WILLIAM W. ROBERTSON  
Lt Colonel, USAF  
Civil Engineering Officer

1 Atch.  
5AF TWX, 5FSCE-C-R 11487,  
(s) (1-cy)

SECRET

SECRET

34

DISPOSITION FORM

Subject: Army Tenancy on Yaetake Air Station, Okinawa (U)

TO: 313MC

From: 313PC

Date 5 Oct 59

Comment No. 2

1. This directorate has no knowledge of any operational plans which would increase the requirement for personnel facilities at Yaetake AS (U)

2. This comment standing alone is unclassified. (U)

MERRILL A. KEMPTON, Colonel, USAF  
Director of Personnel

1 Atch (S)  
n/c

SECRET

SECRET

34

DISPOSITION FORM

Subject: Army Tenancy on Yaetake Air Station, Okinawa (U)

TO: 3130C-P

From: 313MC

Date: 7 October 1959 Comment No. 3  
Captain Reddrick/42108/wl

1. This directorate has no knowledge of any programmed increased activity at Yaetake Air Station at this time. (U)
2. This directorate recommends that Yaetake Air Station be transferred to the Army and that a cross service agreement be entered into for the support of the four (4) communications personnel on duty at the relay station. The transfer should have a clause for the return of the facility, in its present condition, to the Air Force upon submission of an 18 month notice during peace time or immediately during peace time or immediately during war time, should a future operational requirement develop. (S)

FRANCIS T. BRADY, Colonel, USAF  
Director of Materiel

1 Atch (S)  
n/c

SECRET



SECRET

34

DISPOSITION FORM

Subject: Army Tenancy on Yaetake Air Station, Okinawa (U)

TO: 313VC

From: 3130C

Date: 8 Oct 59 Comment No. 4

L/Col Tyler/cmj/46136

1. Concur with Comment #3. (U)
2. Should future plans involve this site, the 18 month recovery should be adequate. (S)
3. However, I suggest the joint tenancy agreement cover the authorization for Army support of up to 20 Air Force people. This will allow us expansion as needed should the mission at Yaetake change or be augmented in the future. It will give us an additional "foot in the door" should we desire to reclaim this facility. (S)

DeWITT R. SEARLES  
Colonel, USAF  
Director of Operations

1 Atch (S)  
n/c

TO: 313CE

12 Oct 59

Concur in comments of MC & OC, ie:

1. Include recovery clause per Comment #3.
2. Include authorization for Army support of "up to 20 AF people" per comment #4 above.

s/ deR

SECRET

CONFIDENTIAL

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DEFERRED

AF

5FSCE-CR 11487

SECRET

313AIR DIV KADENA AB OKINAWA

5AF FUCHU AIR STN JAPAN

CONFIDENTIAL/313CE C-10-39. Reference your Secret message 5FSCE-CR 11487 dated 28 Sep 59. This message in two parts. Part I. This headquarters has no objection to Army tenancy. Part II. Based on known programmed data to this headquarters, current and end position Air Force requirements negligible. Four communications and 54 support or caretaker type personnel currently occupy station. In view of foregoing, strongly recommend facility be transferred to Army jurisdiction and that Air Force reserve tenancy rights for future expansion for maximum of 20 Air Force personnel. In addition, recommend a recapture clause be considered which would stipulate return of the facility in its present condition to the Air Force upon submission of a 18 months notice during peacetime and immediately during wartime should a future operational requirement develop.

313CE

14 Oct 59

Lt Col Robertson, Civ Engr Ofc  
40103

WILLIAM W. ROBERTSON  
Lt Colonel, USAF  
Civil Engineering Officer

CONFIDENTIAL

SECRET

36

PCB019PAA037A050

RR RJAKC

DE RJAPAA 445

R 220626Z

FM 5AF FUCHU AIR STN JAPAN

TO RJHPKM/PACAF HICKAM AFB T H

INFO RJAKC/313 AIR DIV KADENA AB OKINAWA

BT

/S E C R E T/5FSCE-C-R 10-2766 ATTN: PAFSCE-PR

ACTION PACAF. INFO 313 AIR DIV. THIS MESSAGE IN THREE PARTS.

PART 1. REFERENCE YOUR PFSCE-PR 640, 23 SEP 59. PART 2. AIR

FORCE REQUIREMENTS NEGLIGIBLE, MICROWAVE TERMINAL AND RELAY

POINT BETWEEN KADENA AND OKINO. FOUR COMMUNICATIONS AND 54

SUPPORT OR CARETAKER TYPE PERSONNEL CURRENTLY OCCUPY YAETAKE.

PART 3. RECOMMEND FACILITY BE TRANSFERRED TO ARMY JURISDICTION

WITH FOLLOWING CONDITIONS: A. AIR FORCE RESERVE TENANCY RIGHTS

FOR FUTURE EXPANSION FOR MAXIMUM OF 20 AIR FORCE PERSONNEL.

B. A RECAPTURE CLAUSE WHICH WOULD STIPULATE RETURN OF THE

FACILITY IN ITS PRESENT CONDITION TO AIR FORCE UPON SUBMISSION

OF A 18-MONTH NOTICE DURING PEACETIME AND IMMEDIATELY DURING WARTIME

SHOULD A FUTURE OPERATIONAL REQUIREMENT DEVELOP.

BT

22/0645Z OCT RJAPAA 1959

SECRET



37

DISPOSITION FORM

Subject: Cross Service Agreement, Messing and Billeting,  
Yaetake Air Station

TO: 313CE

From: 313MC-S

Date: 4 Nov 1959 Comment No. 1  
Captain Szafranski/42108/w1

1. Your attention is invited to paragraph 3 of attached letter.
2. This Directorate would like to have a resume of the Air Force program for Yaetake in order to advise USARYIS/IX Corps of the 313th Air Division's position.

FRANCIS T. BRADY, Colonel, USAF  
Director of Materiel

1 Atch  
USARYIS/IX Corps Ltr, dtd 31 Oct 59

37

HEADQUARTERS U. S. ARMY, RYUKYU ISLANDS  
AND IX CORPS  
APO 331, San Francisco, California

RICE-G

31 Oct 1959

SUBJECT: Cross Service Agreement, Messing and Billeting, Yaetake Air Station

TO: Commander  
313th Air Division  
APO 239  
San Francisco, California

1. Reference letter RISC-BM, 7 Jul 59, USARYIS/IX Corps, subject: "Messing Support, Yaetake Air Station," and 1st Ind (313MC-S-F), 14 Jul 59, 313th Air Div.

2. As requested in paragraph 3 of referenced indorsement, a cross service agreement indicating required support is attached. Messing is covered by a master Army-Air Force subsistence agreement and billing for such should be separate and in accordance with AFM 172-1D and AR 35-273 as an assigned or attached tenant unit. Request the estimated monthly amounts be entered opposite each item of required support on the inclosed copies of DD Form 1144 and all copies be returned for review and signature.

3. A project to construct a 5000 SF barracks and mess hall at Yaetake was included in the FY-59 MCA Program. This project has been deferred locally in view of the possibility that billeting and subsisting of Army personnel can be provided indefinitely at Yaetake Air Station by cross service agreement or transfer of Air Force facilities at Yaetake to Army control. In this regard, it is requested that this headquarters be advised of the projected utilization by Air Force of Yaetake and a firm commitment as to the expected duration that the services outlined in subject cross service agreement can be provided.

4. In addition to the barracks programmed in the FY-59 MCA Program, the following construction is included in the FY-60 MCA Program for Yaetake:

- a. Addition to the Electronics Equipment Building
- b. Addition to the Power Building
- c. Utilities and site preparation

RICE-G

31 Oct 1959

SUBJECT: Cross Service Agreement, Messing and Billeting, Yaetake Air Station

5. It is requested that the information asked for in paragraph 3 above and any comment relative to the construction proposed for Yaetake in FY-60 be furnished this headquarters as soon as possible so that planning for Yaetake can be finalized.

FOR THE COMMANDER:

1 Incl  
DD Fm 1144,  
USARYIS-4

GILMON D BROOKS  
CWO, W-2, USA  
ASST AG



CONFIDENTIAL

37

Ltr, Hq USARYIS/IX CORPS (RICE-G), 31 Oct 59, Cross Service Agreement  
Messing and Billeting, Yaetake Air Station (U)

1st Ind (313MC-ISSC)

30 Dec 1959

Hq 313 Air Div, APO 239 San Francisco, Calif

TO: USARYIS/IX CORPS (RICE-G)

1. In compliance with your letter, the following information is  
furnished: (U)

a. No MCA projects are programmed for Yaetake in FY-61 or  
prior years. (U)

b. Accordingly, out-right release is proposed for the subject  
installation, retaining only tenancy rights for minimum of 20 Air  
Force personnel. (U)

2. The facilities will be available for use by Army personnel  
assigned at Yaetake Scatter Site, reimbursement for which is made  
on Departmental levels in cases involving dispensary facilities  
(AFM 160-20). Other facilities, such as Library, Special Services,  
etc., are on a non-reimbursable basis. (U)

3. 5AF has been requested to grant authority to transfer Yaetake  
real estate to US Army. Mr. Ramon M. Wasano, 313 Air Division  
Office of Civil Engineers will issue necessary instructions as soon  
as higher headquarters consents. (C)

FOR THE COMMANDER:

FRANCIS T. BRADY, Colonel, USAF  
Director of Materiel

1 Atch  
w/d

CONFIDENTIAL

37

Ltr, Hq USARYIS/IX Corps (RICE-G), 31 Oct 59, Cross Service Agreement, Messing and Billeting, Yaetake Air Station

1st Ind (313MC-S)

Hq 313th Air Div, APO 239 San Francisco, Calif

TO: 6313 AB Wg

1. Forwarded for necessary action.
2. Signed DD Form 1144's will be returned with your indorsement.
3. Disregard paragraph 3 of basic letter. This Directorate is summarizing the Air Force program for Yaetake.

FOR THE COMMANDER:

FRANCIS T. BRADY, Colonel, USAF  
Director of Materiel

1 Atch  
n/c

CONFIDENTIAL

37

RICE-G. (31 Oct 59) 2nd Ind JBB/bm/38217  
SUBJECT: Cross Service Agreement, Messing and Billeting, Yaetake Air  
Station (U)

HEADQUARTERS USARYIS/IX CORPS, APO 331

Jan 22, 1960

TO: Commander, 313th Air Division, APO 239

1. (U) This headquarters concurs in the transfer of subject facility to Army custody and interposes no objection to Air Force tenancy rights for 20 Air Force personnel on a cross service agreement basis as applicable. Information concerning Air Force occupancy should be furnished Mr. John C. Chesnutt of this headquarters, telephone 37198, so that a cross service agreement may be formulated as appropriate.

2. (U) Request that the DE USAEDO be authorized to transfer to Army custody, on a long term basis, the 43.10 acres of land comprising the Yaetake Air Station together with all buildings and other improvements including electrical energy generation and distribution equipment. Further request that this transfer be made effective 30 June 1960.

3. (U) May be downgraded to unclassified upon separation from classified 1st Indorsement.

FOR THE COMMANDER:

Copy furnished:(w/cy basic & 1st Ind)  
DE USAEDO

GILMON D. BROOKS  
CWO, W2, USA  
ASSISTANT ADJUTANT GENERAL

CONFIDENTIAL



CONFIDENTIAL

37

DISPOSITION FORM

Subject: Cross Service Agreement, Messing and Billeting,  
Yaetake Air Station (U)

TO: 313MC-S  
313OC  
313PC  
313VC  
(IN TURN)

From: 313 CE

Date: 20 Nov 59

Comment No. 2

RM WASANO/45201/jkj

1. Following is a reply to a query from Fifth Air Force pertaining to the subject area:

"Confidential/313CE C-10-39. Reference your Secret message 5FSCE-CR 11487, dated 28 September 1959. This message in two parts. Part I. This headquarters has no objection to Army tenancy. Part II. Based on known programmed data to this headquarters, current and end position Air Force requirements negligible. Four communications and 54 support or caretaker type personnel currently occupy station. In view of foregoing, strongly recommend facility be transferred to Army jurisdiction and that Air Force reserve tenancy rights for future expansion for maximum of 20 Air Force personnel. In addition, recommend a recapture clause be considered which would stipulate return of the facility in its present condition to the Air Force upon submission of a 18 months notice during peacetime and immediately during wartime should a future operational requirement develop. 14 Oct 59."

2. No MCP projects are programmed for Yaetake in FY-61 or prior years. (U)
3. Subsequent to the above message, informal information from PACAF representative to Civil Engineering Officer, this headquarters, (during his recent TDY to Fifth Air Force) indicated that PACAF did not concur with the recapture clause recommended by this headquarters and considered it unnecessary in view of no known or established long range programmed utilization for this facility. (U)
4. Accordingly, out-right release is proposed for the subject installation, retaining only tenancy rights for minimum of 20 Air Force personnel. (U)
5. Your comments or concurrence are requested. (U)

WILLIAM W. ROBERTSON  
Lt Colonel, USAF  
Civil Engineering Officer

1 Atch  
n/c

CONFIDENTIAL

CONFIDENTIAL

37

DISPOSITION FORM

Subject: Cross Service Agreement, Messing and Billeting  
Yaetake Air Station (U)

TO: 3130C

From: 313MC-LP

Date: 15 Dec 59      Comment No. 3  
Captain Reddrick/48102/wl

In view of the PACAF non-concurrence with the recapture clause as recommended by this directorate, this directorate withdraws that recommendation and concurs in the outright transfer of Yaetake Air Stn to the Army, provided they agree to the support of our communications personnel on duty at that site. (C)

FRANCIS T. BRADY, Colonel, USAF  
Director of Materiel

1 Atch  
n/c

313PC

3130C

18 Dec 59      Comment No. 4  
Lt Col Tyler/46136/m

Concur in the above comment.

DEWITT R. SEARLES  
Colonel, USAF  
Director of Operations

1 Atch  
n/c

313VC

313PC

22 Dec 59      Comment No. 5  
Maj Watters/40206/jh

1. Concur.

2. This comment, standing alone, is unclassified.

MERRILL A. KEMPTON, Colonel, USAF  
Director of Personnel

1 Atch  
n/c

313CE

313VC

23 Dec 59      Comment No. 6

Concur with release provided support mentioned in Comment #3 is assured.

s/ deR

CONFIDENTIAL

U 1 0 7

CONFIDENTIAL

38

PCBO20A024AAA021

MM RJAOKC

DE RJAPAA 17D

M 040250Z

FM 5AF FUCHU AIR SBN JAPAN

TO RJHPKM/PACAF HICKAM AFBB TH

INFO RJAOKC/313AIRDIV KADENA AB OKINAWA

BT

C O N F I D E N T I A L / F R O M 5 F S C E - C - R 12-0471

ACTION PACAF (PFSCE-PR), INFO 313AIRDIV (CE). THIS MESSAGE IN 3 PARTS. PART I. REFERENCE MY SECRET 5FSCC-C-R 10-2766, 22 OCT 59.

PART II. THIS IS TRACER ACTION. REQUEST STATUS OF REFERENCE.

THIS HQ RECOMMENDED RELEASE OF YAETAKE TO ARMY WITH CONDITIONS.

PART III. FOR 313AIRDIV. THIS IS AN INTERIM REPLY TO PART IV YOUR CONFID/313CE C-12-1.

BT

04/0256Z DEC RJAPAA 1959

CONFIDENTIAL



CONFIDENTIAL

39

PCB006PKA01OKMA023  
RR RJAOKC  
ZKD  
KMB013  
RR RJAPAA RJAOKC  
DE RJHPKM 40  
R 092244Z ZEX  
FM PACAF HICKAM AFB HAWAII  
TO RJAPAA/5AF FUCHU ATR STN JAPAN  
INFO RJAOKC/313AIRDIV KADENA AB OKINAWA  
BT

/C O N F I D E N T I A L/ FROM PFSCE-PR 910  
ACTION 5AF, INFO 313AIRDIV. SUBJ (UNCL) USE OF YAETAKE AS. REF IS  
YOUR CONFIDENTIAL 5FSCE-C-r 12-0471, 4 DEC 59. YOUR 5FSCE-C-R  
10-2766, 22 OCT 59, ANSWERED BY THIS HQ PFSCE-PR 681 (CONF), 28 OCT  
59 IS RESTATED HERE FOR YOUR CONVENIENCE IN PROVIDING EXPEDITIONS REPLY.  
QUOTE, REF IS YOUR SECRET 5FSCE-C-R 10-2766, 22 OCT 59. RECAPTURE  
LIMITATIONS, A AND B OF REFERENCE, IMPOSE SEVERE RESTRICTION ON USE  
YAETAKE AND WILL UNDOUBTEDLY BE UNACCEPTABLE TO ARMY. SINCE AF USE  
NOW NEGLIGIBLE, APPROPRIATE THAT EXPENSE OF RENT AND OPERATING  
FACILITY BE PASSED TO ARMY WHO WILL BE PREDOMINANT USER. ACCORDINGLY,  
REQUEST RECONSIDERATION OF RECAPTURE LIMITATIONS AND REPLY PRIOR  
10 NOV 59. UNQUOTE. FOR YOUR CONVENIENCE, TO COMPLETE ACTION ASAP  
YOU MAY AUTHORIZE 313AIRDIV TO REPLY DIRECTLY TO THIS HQ.

BT  
10/0004Z DEC RJHPKM 1959

CONFIDENTIAL

CONFIDENTIAL

40

PCBO46AA083AAA067

MM RJAOKC M

DDE RJAPAA 58D

MI10557Z

FM 5AF FUCHU AIR STN JAPAN

TO RJAOKC/313AIR DIV KADENA AB OKINAWA

INFO RJHPKM/PACAF HICKAM AFB TH

BT

C O N F I D E N T I A L FROM 5FSCE-C-R 12-1367

ACTION 313AIRDIV (CE), INFO PACAF (PFSCE-PR). THIS MESSAGE IN  
3 PARTS. PART 1. REFERENCE IS MADE TO PACAF CONFID MESSAGE PFSCE-  
PR 910, 10 DEC 1959. COPY FURNISHED YOUR HQ. PART 2. REQUEST EX-  
PEDITIOUS REPLY DIRECTLY TO PACAF AND INFO THIS HQ. PART 3. FOR  
PACAF. YOUR MESSAGE PFSCE-PR 681(CON), 28 OCT 59 NOT REPEAT NOT  
RECEIVED IN THIS HQ.

BT

11/0620Z DEC RJAPAA 1959

CONFIDENTIAL

U 1 1 0

CONFIDENTIAL

41

DEFERRED

313AIRDIV KADENA AB OKINAWA

PACAF HICKAM AFB HAWAII

5AF FUCHU AIR STN JAPAN

6431 ABGP NAHA AB OKINAWA (COURIER)

CONFIDENTIAL/313CE C-12-48. This message in two parts. Part I. References: (a) Your Confidential message PFSCE-PR 910, 10 Dec 59. (b) 5FSCE-C-R Secret Message 10-2766, 22 Oct 59. (c) 5FSCE Secret message 11487, 28 Sep 59, copy furnished your headquarters. In view of non-concurrence by higher headquarters with recapture clause as recommended part 3 bravo, reference bravo, this headquarters withdraws recapture limitations. Part 3 alpha still applicable, i.e., Air Force reserve tenancy rights for future expansion for maximum of 20 Air Force personnel. Part II. Pursuant to above, request this headquarters be authorized to proceed with transfer subject facility to U. S. Army.

17 Dec 59

RM WASANO, RE OFR

45201

William W. Robertson  
Lt Colonel, USAF  
Civil Engineering Officer

CONFIDENTIAL



42

OKA506CZCRFA416ZCKMC512

RR RJAOKC

DE RJHPKM 15E

R M 052301Z ZEX

FM HQ PACAF HICKAM AFB HAWAII

TO RAJPAA/5AF

INFO RJAOKC/313ADIV

RUAWAR/DIST ENGR USARMY ENGR DIST OKI

AF GRNC

BT

UNCLAS FROM PF SCE-PR 229

ACTION 5AF, INFO 313ADIV (CE) AND OKED. REF YOUR 5FSCE-C-R 02-0899,  
12 FEB 60. TRANSFER OF YAETAKE AS OKINAWA TO ARMY IS APPROVED BY USAF  
AND THIS HQ. YOU ARE AUTHORIZED TO REQUEST DIST ENGR OKED TO ARRANGE  
TRANSFER. COORDINATE WITHNAINCPACREP RYUKYUS. ADVISE DEFINITE EFFECTIVE  
DATE FOR ISSUANCE OF DEPARTMENT AF AND PACAF GEN ORDERS.

BT

05/2329Z APR RJHPKM

43

OKA162CZCPFA672ZCZAAB237

MM RJAOKC

DE R JAPAA 35A

M 120140Z

FM 5AF

TO RJHPKM/PACAF

INFO RJAOKC/313AIRDIV

BT

UNCLAS 5FSCEOC-R 02-0899

ACTION PACAF (PFSCE-PR), INFO 313AIR DIV (CE). REFERENCE IS MADE TO

UNCLAS 313CE U-2-94, 9 FEB 60. YOUR HQ IS INFORMATION ADDRESSEE.

REQUEST AUTHORITY BE GRANTED TO PROCEED IAW AFR 87-1 and AFR 87-4,

THE TRANSFER OF SUBJECT FACILITY TO U.S. ARMY.

BT

12/0145Z FEB RJAPAA

44

ROUTINE  
ROUTINE  
313 AIRDIV KADENA AB OKINAWA

AF

5AF FUCHU AIR STN JAPAN

INFO: PACAF HICKAM AFB HAWAII

UNCLAS/313CE U-2-94. References: (a) PACAF  
Confidential message PFSCE-PR 930, 22 December 59 to USARPAC. (b)  
Your confidential message 5FSCE-CR 12-0471, 4 December 59 to PACAF.  
(c) Our Confidential message 313CE C-12-48, 17 December 59. By  
reference C above this headquarters requested authority to proceed  
with transfer subject facility. U. S. Army desires transfer 43.10  
acres of land and improvements effective 30 June 1960. Request  
status.

09 0508  
FEB 60

313CE

RM WASANO, RE OFR

WILLIAM W. ROBERTSON  
Lt Colonel, USAF  
Civil Engineering Officer



45

Headquarters  
313th Air Division  
APO 239, San Francisco, California

313CE

11 APR 1960

Transfer Yaetake to U. S. Army

USAEDO, APO 331

INFO TO: USARYIS/IX Corps (RICE-G), APO 331

1. References:

a. USARYIS letter RICE-G, Subject: "Cross Service Agreement, Messing and Billeting, Yaetake Station", dated 31 October 1959.

b. PACAF message PFSCE-PR 229, dated 5 April 1960, your headquarters info addressee.

2. This headquarters received authority to transfer subject facility, 43.10 acres, to U.S. Army effective 30 June 1960, including all buildings and improvements. Transfer of Yaetake Air Station is contingent upon execution of "Permit to Use" to be authorized by USARYIS/IX Corps, for the tenancy rights for 20 Air Force personnel. By information copy of this letter, Headquarters USARYIS/IX Corps is requested to authorize DE-USAEDO to issue subject "Permit".

3. Accordingly, it is requested that necessary actions be initiated to accomplish subject transfer.

FOR THE COMMANDER

WILLIAM W. ROBERTSON  
Lt Colonel, USAF  
Civil Engineering Officer

Copies to:  
6431ABG (BE)  
313PC-C

46

ROUTINE  
ROUTINE

AF

PFSCE-PR  
287

313AIRDIV KADENA AB OKINAWA

PACAF HICKAM AFB HAWAII

INFO: 5AF FUCHU AS JAPAN

UNCLAS/313CE U-5-78. Reference Uncl Msg PFSCE-PR 287, 3  
May 1960, USAEDO authorized to affect transfer Yaetake to U. S.  
Army effective 1 July 1960. USAEDO informs ENG Form 290 transfer  
of land, currently being prepared and will be forwarded for Air  
Force Signature oa 26 May 1960. Army acceptance and consummation  
of transfer documents expected approximately 20 June 1960.

313CE

6 May 60

R. M. Wasano, Real Estate Officer

WILLIAM W. ROBERTSON  
Lt Colonel, USAF  
Civil Engineering Officer

47

RR RJAOKC<sup>OKMB937</sup>  
DE RJHPKM 150B  
R M 220216Z ZEX  
FM HQ PACAF  
TO RJAOKC/313ADIV  
INFO RJAPAA/5AF

BT

UNCLAS FROM PFSCE-PR 264

ACTION 313ADIV (CE), INFO 5FSCE-C-R. REFERENCE OUR PFSCE\*PR 229,  
5 APR 60. REQUEST ADVICE EFFECTIVE DATE OF TRANSFER.

BT

22/0312Z APR RJHPKM 1960



48

NNNN )KA088 FFB780CZCPFB634ZCAAB448

MM RJAKC

DE RJAPAA 26A

ML30121Z

FM 5AF

TO RJAKC/313AIRDIV

INFO RJHPKM/PACAF

BT

UNCLAS 5FSCE-C-R 0016

ACTION 313AIRDIV, INFO PACAF (PFSCE-PR). FOR CE. REFERENCE IS  
MADE TO UNCLAS PACAF MESSAGE PFSCE-PR 229, 6 APR 60. INFORMATION  
COPY FURNISHED YOUR HQ. REQUEST COMPLIANCE WITH MESSAGE AND AD-  
VICE DIRECT TO PACAF WITH INFO COPY THIS HQ ON DEFINITE EFFECTIVE  
DATE FOR ISSUANCE OF DEPT AF AND PACAF GENERAL ORDER.

BT

13/0130Z APR RJAPAA 1960

49

1960 MAY 7 05

52

OKA002CZC

RR RJAOKC  
DE RJHPKM 25 0B  
R M 070309A  
FM HQ PACAF  
TO RJEZHQ/USAF  
INFO RJAPAA/5AF  
RJAOKC/313ADIV

BT

UNCLAS FROM PFSCE-PR 296

SUBJ TRANSFER YAETAKE AS TO ARMY. REFERENCE YOUR AFOCT-R 80395,  
23 MARCH 60. EFFECTIVE DATE WILL BE 1 JULY 60. REQUEST DAF GEN  
ORDERS BE ISSUED ACCORDINGLY.

BT

07/0334Z MAY RJHPKM

DEPARTMENT OF THE AIR FORCE  
WASHINGTON

GENERAL ORDERS)  
NUMBER 27)

15 June 1960

	Section
LEGION OF MERIT - Awards -----	I
DISTINGUISHED FLYING CROSS - Award -----	II
AIR MEDAL - Awards -----	III
AIR FORCE COMMENDATION MEDAL - Awards -----	IV
INSTALLATIONS -----	V

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\*\*\*\*\*  
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V. INSTALLATIONS

1. Yontan Tactical Air Navigation Annex (Permanent Installation Number 2979) Ryukyu Islands is transferred from the Department of the Air Force to the Department of the Army, effective 1 July 1960.
2. A portion (1 acre) of Chibana Ordnance Depot, Ryukyu Islands, is transferred from the Department of the Army to the Department of the Air Force, effective 1 July 1960 and concurrently designated Kadena Tactical Air Navigation Annex.
3. Installation 1076, Wake Island Petroleum Products Storage Annex, is transferred from Pacific Air Forces to the jurisdiction, control and accountability of the Military Air Transport Service, effective 1 July 1960. This installation was assigned previously to the Pacific Air Forces as an off-base facility to Hickam Air Force Base, in accordance with Department of the Air Force General Orders Number 30, dated 11 April 1955.
4. Yaetake Air Station (2978) Okinawa will be transferred from the Department of the Air Force to the Department of the Army, effective 1 July 1960.



5. Inamba Shima Air Range (Permanent Installation Number 2813), Japan, is transferred from the Department of the Air Force to the Department of the Navy, effective 30 June 1960.

BY ORDER OF THE SECRETARY OF THE AIR FORCE:

THOMAS D. WHITE  
Chief of Staff

51

POORM

12 May 1960

SUBJECT: Transfer Yaetake to U. S. Army

TO: Commander  
313th Air Division  
APO 239  
ATTN: 313CE

1. References:

a. Letter 313CE, Hqs 313th AD to USAEDO, dated 11 April 1960, subject as above.

b. USAEDO multiple addressee letter, POORM, dated 15 April 1960, subject: "Transfer Yaetake Air Station from Air Force to Army."

2. By reference 1a the District Engineer was requested to transfer 43.10 acres of land, together with all buildings and improvements located thereon, located in subject facility to the Department of the Army. By reference 1b representatives of all local services and agencies were screened for concurrence therein.

3. Inclosed are eight (8) copies each of ENG Forms 290 by which when executed will effect transfer of 43.09 acres of land (corrected for adjustment of tsubo to acre) to the Department of the Army, effective 1 July 1960. Of the 43.09 acres of land, a 37.80 acre portion was acquired by the United States under Certificate of Confirmation and Rental Deposit No. 174, as amended. Notice of Requirement No. 195 has been filed with the Government of the Ryukyu Islands to acquire an "Indefinite Leasehold" estate in this land. Of the remaining 5.39 acres of land originally acquired under Certificate of Confirmation and Rental Deposit No. 311, as amended, a 5.33 acre portion is presently held under Master Lease No. DA 92-328-ENG-203 and a 0.06 acre portion is presently held under Declaration of Taking No. 238, effective 1 July 1958. Total annual rental for the 43.09 acres of land in the amount of \$1,062.33 will be payable by the Department of the Army effective 1 July 1960.

4. Mr. Wasano of your office has advised that transfer of the the buildings and other improvements located thereon will be accomplished separately by representatives of the 313th Air Division.

POORM (12 May 60)

SUBJECT: Transfer Yaetake to U. S. Army

5. It is requested that an authorized representative of your headquarters execute the "Certified by" block of each of the inclosed ENG Forms 290 and return the original and six copies each to this office. Acceptance by the Department of the Army will be secured, and four fully executed copies each of the Forms 290 will be returned for record purposes. Upon completion of this transfer the Department of the Air Force will have no land under its control located in Yaetake Air Station.

6. Mr. John C. Chesnutt, USARYIS/IX Corps G4, has advised that a "Permit to Use", covering tenancy rights for 20 Air Force personnel to be stationed at Yaetake Air Station will be accomplished separately by representatives of the Budget Office, USARYIS/IX Corps.

FOR THE DISTRICT ENGINEER

3 Incl (8 copies ea)

1. ENG Fm 290, 37.70 Ac,  
Certificate #174
2. ENG Fm 290, 5.33 Ac,  
ML ENG-203
3. ENG Fm 290, 0.06 Ac,  
D/T 238

J. E. WALTHER  
Chief, Real Estate Division

Copy furnished w/o incl:  
USARYIS/IX Corps, G-4, APO 331  
USAEG RI, APO 331



52

Headquarters  
6431st AIR BASE GROUP  
United States Air Force  
APO 235, San Francisco, California

BE

5 Jul 1960

Transfer of Yaetake Air Station

313 Air Div (313CE)

1. Attached are ENG Forms 290 and DD Forms 1149 effecting the transfer of Yaetake Air Station from the Department of the Air Force to the Department of the Army.
2. The three Cummins diesel generators presently installed in building 7 (Power House) are to be removed by Kadena Base Engineer. These generators will be replaced with three generators of the same capacity.
3. Request two executed copies of the ENG Forms 290 and DD Forms 1149 be returned to this headquarters.

FOR THE COMMANDER

HOMER R. HUNT  
1st Lt, USAF  
Asst Administrative Officer

2 Atch  
1. ENG Form 290 (4cys)  
2. DD Form 1149 (4 cys)

53

DISTRICT ENGINEER  
U.S. ARMY ENGINEER DISTRICT, OKINAWA

POORM

16 August 1960

SUBJECT: Transfer Yaetake to U. S. Army

TO: Commander  
313th Air Division  
US Air Force  
APO 239  
ATTN: 313 CE

1. Reference: USAEDO letter, file POORM, dated 3 August 1960, with first indorsement, subject as above, by which the inclosed ENG Forms 290 were forwarded to representatives of the U.S. Army Engineer group for execution and acceptance on behalf of the Department of the Army.
2. Inclosed are two fully executed copies of three sets each of ENG Forms 290 by which the transfer of 43.09 acres of land comprising the former Air Force installation known as Yaetake Air Station to the Army was accomplished, effective 1 July 1960. Total gross rental payable by the Department of the Army is \$1,062.33.
3. By information copies of this letter, one fully executed copy of each of the Forms 290 are furnished Headquarters PACAF, PFSCE-PR, APO 953, and Headquarters Fifth Air Force 5FSCE-C-R, APO 925, as requested.
4. Acknowledgement of receipt is requested.

FOR THE DISTRICT ENGINEER:

3 Incl

1. ENG Fm 290, 37.70 Ac (2 cys)
2. ENG Fm 290, 5.33 Ac (2 cys)
3. ENG Fm 290, 0.06 Ac (2 cys)

J. E. WALTHER  
Chief, Real Estate Division

Copies furnished w/incls:

Hq PACAF, PFSCE-PR, APO 953  
Hq 5th Air Force, 5FSCE-C-R, APO 925  
USAEG, APO 331 (w/o incl)

54

DISTRICT ENGINEER  
U.S. ARMY ENGINEER DISTRICT, OKINAWA

POORM

15 April 1960

SUBJECT: Transfer Yaetake Air Station from Air Force to Army

TO: High Commissioner, Ryukyu Islands, APO 331  
Commander, Fleet Activities, Ryukyus, Navy Nr. 3867  
Commander, 3rd U. S. Army Security Agency Field Station, APO 331  
Commanding Officer, Camp Smedley Butler, USMC, Navy Nr. 161  
Commanding Officer, U.S. Army Composite Service Group, APO 331  
Commanding Officer, U. S. Coast Guard Loran Station, APO 331  
Chief, International Broadcasting Service, Okinawa, APO 239  
Chief, Foreign Broadcast Information Service, Okinawa, APO 239

1. References:

a. Joint Circular dated 8 September 1959 entitled, "Real Estate Policy and Procedure for the Ryukyu Islands."

b. Letter, 313CE, dated 11 April 1960, subject: "Transfer Yaetake to U. S. Army."

2. By reference 1b above the District Engineer was requested to transfer subject facility, from the Dept of the Air Force to the Dept of the Army, effective 30 June 1960, subject to the execution of a "Permit to Use" to be authorized by representatives of USARYIS/IX Corps covering tenancy rights for the benefit of 20th Air Force personnel. Subject facility comprises 43.10 acres of land, of which a 5.40 acre portion was acquired under Certificate of Confirmation and Rental Deposit Nr. 311, and the remainder, 37.70 acres, was acquired under Certificate of Confirmation and Rental Deposit Nr. 174. The 5.40 acre area, which comprises the access road to the installation proper, is now held by the United States under Master Lease Nr. DA 92-328-ENG-203 and Declaration of Taking Nr. 238. Notice of Requirement Nr. 195 has been filed covering the above 37.70 acres of land which comprises the installation proper. Annual rental of subject facility is \$1,062.33, based on 1958 schedule.

3. A sketch overlay of multiplex map sheet Nr. 3626, showing the subject area in blue hachure, is attached. In order that the target date of 30 June 1960 be met, it is requested that each addressee advise



POORM (15 April 60)

SUBJECT: Transfer Yaetake Air Station from Air Force to Army

this office, by telephone (37197), of his concurrence and/or comments with respect to the proposed land transfer, on or before 4 May 1960. It is further requested that the above telephonic advice be subsequently confirmed by letter.

FOR THE DISTRICT ENGINEER:

1 Incl  
Sketch overlay, YAS

J. E. WALTHER  
Chief, Real Estate Division

Copy furnished w/cy incl:  
CINCPACREP RI, APO 331  
313th Air Div, APO 239  
USAEG RI, APO 331

CONFIDENTIAL

55

Transfer of Yae Take AS

OC-M

3130C-E

17 Feb 59

chg/46166

1. Since ACW operations were inactivated at Yae Take Air Station June 1958, the station has been maintained by a (reduced) Detachment 5 of the 623rd ACW Squadron.
2. The site continues to support a microwave relay for AACS and a VHP/FM radio relay for ACW. In addition, it will provide billeting (until 31 December 1959) and messing (permanently) for 25 Army Signal Corps personnel who maintain the adjacent FPTS radio station. In addition to these missions, we have been directed to caretaker the site facilities for future use as stated in PACAF OPLAN 112-58. This future mission will be associated with Kadena, rather than Naha, and does not relate to an ACW mission, (although the ACW radio relay will remain).
3. It is therefore recommended that your office consider transfer of the station from Naha support to Kadena support, inactivation of Detachment 5, 623rd ACW Squadron and activation of Detachment (X), 6313th Air Base Wing.

WILLIAM Y. BROWN  
Lt Colonel, USAF  
Chief, Communications Division  
Directorate of Operations

CONFIDENTIAL

CONFIDENTIAL

56

Headquarters  
313TH AIR DIVISION  
United States Air Force  
APO 239 San Francisco, California

3130C-E

11 Aug 1958

SUBJECT: (U) Disposition of AN/UPA-35 Scopes  
from Yae Take Air Station

TO: Commander  
623d Aircraft Control and Warning Squadron  
APO 235 San Francisco, California

The present PC submission for AN/UPA-35 control scopes  
awaiting USAF approval is as follows:

P-56	8
P-54	6
P-55	2
P-53	2
TOTAL -	18

P-56 cannot utilize more than six scopes at the present time, pending programmed Operations building expansion. To preclude deterioration of the two UPA-35 scopes still at Yae Take from non-usage, you will take necessary action to send one each to P-53 and P-55 on a temporary loan basis, to be maintained in operational condition until required at P-56.

FOR THE COMMANDER:

WILLIAM Y. BROWN  
Lt Colonel, USAF  
Chief, Communications Division  
Directorate of Operations

CONFIDENTIAL



SECRET

57

Headquarters  
313TH AIR DIVISION  
United States Air Force  
APO 239 San Francisco, California

3130C-E

19 Aug 1958

SUBJECT: (U) Request for Command Assistance: Radar Maintenance

TO: Commander  
Fifth Air Force  
APO 925 San Francisco, California

1. This organization will have AN/FPS-20 radar equipment installed at two sites within the next 60 to 90 days. The Air Proving Ground Center report (APGC-TR-58-55) dated May 1958 emphasizes that maintenance personnel must have extensive on-the-job training before they are capable of performing field level maintenance. This report also advises that it takes approximately 8 months of on-the-job training to qualify a technician on the AN/FPS-20 if he has not received formal training. Only one airman with previous formal training is presently assigned to this headquarters.
2. Two Technical Representatives with AN/FPS-20 experience have recently been assigned. If these two technicians (one per site) are to maintain an adequate OJT program, their time available for corrective maintenance will be very limited.
3. It is emphasized in other publications that a single maintenance technician cannot perform all of the extensive corrective maintenance requirements.
4. Command assistance is therefore requested. The following actions are recommended:
  - a. Screen personnel records throughout Fifth Air Force and PACAF for a minimum of ten AN/FPS-20 qualified (30532C) maintenance personnel who can be transferred to or exchanged with this headquarters.
  - b. Assign two technical representatives per site for a period of one year or until military personnel input is corrected.
  - c. Establish requirements through Air Training Command to funnel output of FPS-20 school graduates to the 313th Air Division.
  - d. Consider AFSC shred-out to identify FPS-20 qualified personnel.

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31300-E, HQ 313th Air Division, APO 239, Subj: (U) Request for Command Assistance: Radar Maintenance

5. Sites being reequipped with the AN/FPS-20 radar are Okino Erabu Shima (P-55) and Kume Shima (P-54). Both sites are operated by the 623rd Aircraft Control and Warning Squadron.

FOR THE COMMANDER:

WILLIAM Y. BROWN  
Lt Colonel, USAF  
Directorate of Operations

SECRET

CONFIDENTIAL

58

COURIER

X

LTR 3130C-E  
AF 11 AUG 58

CONFIDENTIAL

FROM: COMMANDER

623RD AIRCRAFT CONTROL AND WARNING SQUADRON, NAB

TO: COMMANDER

313TH AIR DIVISION, KAB

CONFIDENTIAL/623MAT 00228. REFERENCE YOUR CLASSIFIED

LETTER 3130C-E, 11 AUGUST 1958, SUBJECT: "(U) DISPOSITION OF AN/UPA 35  
SCOPES FROM YAE TAKE AIR STATION." LETTER DIRECTS ONE EACH SCOPE  
BE SENT TO P-53 AND ONE TO P-55 ON TEMPORARY LOAN BASIS PENDING  
CAPABILITY OF P-56 TO HOUSE. ITEMS STILL CARRIED ON LOAN BASIS.  
UNDERSTAND THREE EACH AN/UPA-35 NOT ACTUALLY REQUIRED AT P-53 AND  
P-55 TO ACCOMPLISH MISSION. DAILY AC&W STATUS REPORT REFLECTS ONE  
SCOPE OUT OF COMMISSION EVEN THOUGH TWO EACH IN OPERATION. DEPENDING  
ON WHETHER OR NOT SCOPE IS REQUIRED, THIS ACTION MAY UNNECESSARILY  
REFLECT UNSATISFACTORILY ON ROCP RATE AND MAINTENANCE OUTAGES.  
REQUEST WE BE ADVISED IF SCOPE IS REQUIRED FOR MISSION ACCOMPLISHMENT  
/CONFIDENTIAL

12 0100Z

FEBRUARY 1959

623MAT

SAMUEL L. CHILES  
Captain, USAF  
Executive Officer

CONFIDENTIAL



CONFIDENTIAL

59

Power Modifications for Miyako Jima and Yuza Dake

313IE

3130C-E

9 Feb 59

Capt R. M. Radlein/chg/46266

1. Communications programming action for AN/GPA-27 and AN/GPA-57 modifications for Miyako Jima and Yuza Dake, which were previously submitted by this office, have been approved by Fifth Air Force and forwarded to Pacific CEEIA Region for further review, coordination and forwarding to PACAF.

2. As requested in our PCSP action, the proposed operating date for Miyako Jima is first quarter fiscal year 1962 and for Yuza Dake the fourth quarter of fiscal year 1961.

3. P-459.3 fund requirements for Miyako are estimated at \$20,400 while the requirements at Yuza Dake are estimated at \$17,500.

4. When Headquarters USAF approves this requirement, it will be necessary to modify the AN/FPS-3 towers to accept the AN/GPA-27 or AN/GPA-57 kits. Your office will be notified as soon as USAF approval is received so that necessary action may be taken.

WILLIAM Y. BROWN  
Lt Colonel, USAF  
Chief, Communications Division  
Directorate of Operations

CONFIDENTIAL

SECRET

60

Headquarters  
313TH AIR DIVISION  
United States Air Force  
APO 239 San Francisco, California

3130C-E

19 Aug 1958

SUBJECT: (U) Terminal TACAN, Kadena Air Base

TO: 15TACRECONRON 1962AACSRON 6313ABWG

The following PACAF and Fifth Air Force messages are quoted for your information and necessary action.

"/SECRET/5FOAC-E-N 80437H. THIS MESSAGE IN SIX PARTS. PART ONE FOR PACAF. KADENA TACAN, AS SITED ON YONTAN MOUNTAIN CANNOT BE USED FOR STRAIGHT IN APPROACH. AMOUNT OF TURN REQUIRED FROM RADIAL TO RUNWAY CENTERLINE AT ONE NAUTICAL MILE FROM END OF RUNWAY IS TWENTYEIGHT DEGREES AND IS EXCESS OF ANC CRITERIA. JET PENETRATION ON YONTAN TACAN MUST THEREFORE BE BASED ON CIRCLING MINIMUMS (APPROXIMATE 1000FT AT 3 MILES). THIS SITUATION CONSIDERED TO COMPROMISE RF-101C AIRCRAFT OPERATIONAL EFFICIENCY AND JEOPARDIZE SAFETY OF FLIGHT IN VIEW OF FOLLOWING FACTORS: A. LACK OF ILS OR OTHER TERMINAL AID TO PROVIDE IFR TERMINAL SERVICE IN CASE OF RAPCON FAILURE OR LOSS OF UHF COMMUNICATIONS. B. NECESSITY TO RELY ON TACAN AS ONLY AIRBORNE NAVIGATION SYSTEM. C. CONSIDER IT MANDATORY TO SECURE A TERMINAL FACILITY AFFORDING A STRAIGHT IN APPROACH IN VIEW OF PILOT UNFAMILIARITY WITH RF-101C AND TACAN PROCEDURES, AND OPERATIONAL CHARACTERISTICS OF RF-101C WHICH DO NOT READILY LEND THEMSELVES TO TACAN CIRCULAR APPROACH PROCEDURES. D. LACK OF ALTERNATE IN RYUKYUS. PART TWO FOR PACAF. IN ORDER TO SATISFY THE ABOVE REQUIREMENT REQUEST AUTHORITY TO DIVERT TO EACH TRN-6 EQUIPMENT TO KADENA ON TEMPORARY BASIS UNTIL PERMANENT FACILITIES CAN BE INSTALLED WHICH WILL SATISFACTORILY PROVIDE IFR TERMINAL CAPABILITY FOR RF-101C AIRCRAFT. DUAL TACAN WILL BE SITED ON BASE TO MEET ANC CRITERIA FOR STRAIGHT IN APPROACH, REDUCING MINIMUMS TO APPROXIMATELY 500 FT AT ONE NAUTICAL MILE WITHOUT RELIANCE UPON RAPCON. DUE TO CRITICAL TIME ELEMENT, IT IS NECESSARY TO DIVERT EQUIPMENT PRESENTLY OPERATIONAL. EXCESS TRN-6 EQUIPMENT IS ON HAND. HOWEVER, TIME REQUIRED TO MODIFY AND PREPARE FOR INSTALLATION IS EXCESSIVE IN VIEW OF FACT THAT CONVERSION TO RF-101C AIRCRAFT WILL COMMENCE APPROXIMATELY 15 AUGUST AT KADENA. PRESENTLY INSTALLED EQUIPMENT AT CHITOSE WILL BE UTILIZED TO MEET KADENA REQUIREMENT BY 15 AUGUST. THIS DECISION BASED ON CHITOSE'S LOW OPERATIONAL REQUIREMENT AND EQUIPMENT MORE NEARLY COMPLETE THAN OTHER LOW PRIORITY STATIONS. PRELIMINARY COORDINATION HAS BEEN EFFECTED WITH 1885TH AACS INSTALLATIONS SQUADRON. INSTALLATION

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SECRET

3130C-E, Hq, 313th Air Division, APO 239, Subj: (U) Terminal TACAN, Kadena Air Base

WILL BE MADE ON HIGH PRIORITY BASIS WITH MINIMUM SUPPORT CONSTRUCTION. REQUEST COORDINATION WITH PFCIE TO DETERMINE AVAILABILITY OF P-341 TYPE FUNDS AND/OR APPROVAL TO SUBMIT AN AFTER THE FACT PROJECT PLAN TO UTILIZE MINNEYAMA TRN-6 SCHEME EQUIPMENT PRESENTLY AT YOKOTA WAREHOUSE TO REPLACE CHITOSE FACILITY. 1885TH AND FEAACS WILL REQUIRE NECESSARY PACAF OR PACAACS AUTHORITY IN ORDER TO COMMENCE INSTALLATION AND OPERATION. REQUEST APPROVAL OF ABOVE AND ISSUANCE OF INSTRUCTION ASAP. PART THREE FOR 1885TH AACS INSTALLATION SQUADRON. REQUEST YOU TAKE PRELIMINARY ACTION TO SITE AND DETERMINE SUPPORT REQUIREMENTS FOR KADENA ON BASE TACAN AND SO ADVISE THE 313TH AIR DIVISION. PART FOUR FOR 313TH AIR DIVISION. REQUEST YOU TAKE NECESSARY ACTION TO PROVIDE MINIMUM SUPPORT REQUIREMENTS FOR KADENA OR BASE TACAN ON A PRIORITY BASIS. AF FORMS 734 AND SUPPORTING DOCUMENT FOR P-341 TYPE PROJECT WILL BE SUBMITTED. REQUEST YOU ASSIGN A PROJECT OFFICER TO MONITOR AND COORDINATE ALL ACTIONS NECESSARY TO INSURE EARLY OPERATION OF KADENA TACAN. REQUEST NAME AND RANK OF THIS INDIVIDUAL BE FURNISHED TO 1885TH AACS INSTALLATION SQUADRON DIRECT. YOUR HEADQUARTERS AUTHORIZED DIRECT COORDINATION WITH 1885TH AACS INSTALLATION SQUADRON ON THIS MATTER. PART FIVE FOR 39TH AIR DIVISION. REQUEST YOU PROVIDE ALL ASSISTANCE REQUIRED TO AACS PERSONNEL IN DISMANTLING TACAN AT CHITOSE AND PREPARING FOR SHIPMENT. AIRLIFT WILL BE PROVIDED IN A PRIORITY 1A BASIS WHEN REQUIRED. REQUEST YOU FURNISH WEIGHT AND CUBIC INFORMATION, AND AIRLIFT RELEASE NUMBER TO GTAF ATTN: 5FMTR-A WHEN AVAILABLE. THIS HEADQUARTERS WILL ASSIST IN ARRANGING FOR AIR LIFT. PART SIX FOR ALL. FIFTH AIR FORCE CONTACT OFFICER IS CAPTAIN ALFRED J. BOYD, TELEPHONE FUCHU 44-316."

"/SECRET/PFOAC-E-N 12141. SUBJECT IS KADENA TACAN. REFERENCE YOUR SECRET 5FOAC-E-N 80437H DATED 4 AUGUST 1958. AUTHORITY GRANTED TO DIVERT 2 EACH TRN-6 EQUIPMENT FROM CHITOSE TO KADENA AIR BASE ON TEMPORARY BASIS UNTIL PERMANENT FACILITY AT YONTAN MOUNTAIN CAN SATISFACTORILY PROVIDE TERMINAL CAPABILITY FOR TACAN EQUIPPED AIRCRAFT. FIRST DELIVERY OF AIRCRAFT IS DUE AT HICKAM 8 AUGUST ENROUTE TO KADENA VIA MIDWAY AND YOKOTA. SUGGEST TRN-6 BE IN PLACE AT KADENA AS SOON AS POSSIBLE. PACAF INSTALLATIONS (PFCIE) UNABLE TO UNDERSTAND REQUIREMENT FOR P-341 FUNDS AND REQUESTS DETAILED EXPLANATION BY RETURN PRIORITY MESSAGE, IT HAS BEEN SUGGESTED THAT DUE TO THE URGENCY OF THE REQUIREMENT FOR TRN-6 EQUIPMENT AT KADENA, EQUIPMENT SHOULD BE INSTALLED, AND FUNDING AND PROJECT APPROVAL BE RESOLVED AT A LATER DATE. ADVISE AS SOON AS POSSIBLE THE EXPECTED OPERATIONAL DATE OF INTERIM TACAN INSTALLATION AT KADENA AIR BASE."

"/SECRET/5FOAC-E-N 81338H. ATTN: OC-C. THIS MESSAGE IN SIX PARTS. PART ONE. REFERENCE 67TACRECONWG MESSAGES: SECRET, OC-C 58-10589G, 25 JULY 1958; AND CONFIDENTIAL, OC-P 58-10630, 25 JULY 1958. PART TWO. 5AF UNCLASSIFIED MESSAGE 5FOAG-E-N 746036, 30 JULY 1958, REVISED THE YOKOTA INSTALLATIONS PRIORITY TO NO. TWO WITH AN

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3130C-E, HQ., 313th Air Division, APO 239, Subj: (U) Terminal TACAN  
Kadena Air Base

OPERATIONAL TARGET DATE OF 1 AUGUST 1958. PART THREE. PROCEDURES FOR THE YOKOTA, KADENA AND MIDWAY TACAN FACILITIES, AND THE MIDWAY TVOR FACILITY HAVE BEEN FORWARDED TO PACAF FOR USE BY FERRY CREWS. PROCEDURES HAVE NOT YET BEEN PREPARED FOR THE KUNSAN TVOR FACILITY. PART FOUR. ACTION HAS BEEN INITIATED TO SECURE PACAF APPROVAL TO PROVIDE AN ONBASE TACAN AT KADENA. (REFERENCE 5AF SECRET MESSAGE 5FOAC-E-N 80437H, 4 AUGUST 1958). ALTHOUGH AN OPERATIONAL TARGET DATE OF 15 AUGUST HAS BEEN ASSIGNED TO THIS FACILITY, THE ON BASE TACAN IS NOT EXPECTED TO BE OPERATIONAL UNTIL 1 SEPTEMBER 1958. RECOMMEND YOUR HEADQUARTERS PREPARE TO UTILIZE THE YONTAN TACAN IN CONJUNCTION WITH THE KADENA RAPCON UNTIL SUCH TIME AS THE KADENA ON BASE FACILITY IS COMMISSIONED. PART FIVE. THE ON BASE TACAN FACILITY WILL BE INSTALLED ON TEMPORARY BASIS ONLY AND WILL NOT BE A PERMANENT AUTHORIZED FACILITY. AT SUCH TIME AS THE ILS FACILITY IS COMMISSIONED AT KADENA (ESTIMATED 1 JANUARY 1959), THE REQUIREMENT FOR THE INTERIM ON BASE TACAN WILL BE CONSIDERED TO HAVE CEASED. THE ILS FACILITY, COMBINED WITH THE RAPCON AND YONTAN TACAN FACILITIES, WILL PROVIDE AN ADEQUATE IFR CAPABILITY. IF YOUR HEADQUARTERS REQUIRES PERMANENT ON BASE TACAN THIS ACTION MUST BE FULLY JUSTIFIED TO THE 313TH AIR DIVISION AND COMMUNICATIONS-ELECTRONICS PROGRAMMING ACTION SUBMITTED THROUGH COMMAND CHANNELS. IF THIS ACTION IS CONTEMPLATED, RECOMMEND YOUR HEADQUARTERS REQUEST RELOCATION OF THE YONTAN TACAN TO AN ON BASE LOCATION RATHER THAN ATTEMPT TO GAIN AUTHORITY FOR A SECOND KADENA TACAN FACILITY. PART SIX. OTHER TACAN FACILITIES NECESSARY TO YOUR OPERATION HAVE BEEN INSTALLED AND ARE CAPABLE OF LIMITED OPERATION. LACK OF FLIGHT CHECK OF THESE FACILITIES, HOWEVER, HAS DELAYED COMMISSIONING OF THESE FACILITIES. EVERY EFFORT HAS BEEN DIRECTED TOWARD PLACING THE TACAN GROUND ENVIRONMENT ON A FULLY OPERATIONAL BASIS AT THE EARLIEST DATE."

FOR THE COMMANDER:

WILLIAM Y. BROWN  
Lt Colonel, USAF  
Chief, Communications Division  
Directorate of Operations

SECRET

61  
SECRET

Headquarters  
313TH AIR DIVISION  
United States Air Force  
APO 239, San Francisco, California

3130C-E

28 Aug 1958

SUBJECT: Implementation of Fifth Air Force Ground TACAN Environment

TO: 6313ABW 6431ABQ 5LFIW

1. Inclosed is a copy of Implementation of Fifth Air Force Ground TACAN Environment requirements. Necessary action will be taken by organizations as required in the inclosed TACAN Environment Plan.

2. When the inclosure is removed, this correspondence may be downgraded to Unclassified in accordance with paragraph 37h, AFR 205-1.

FOR THE COMMANDER:

1 Incl:  
TACAN Environment  
Plan

WILLIAM Y. BROWN  
Lt Colonel, USAF  
Chief, Communications Division  
Directorate of Operations

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SECRET

Headquarters  
FIFTH AIR FORCE  
United States Air Force  
APO 925, San Francisco, California

5FOAC-E-N

18 July 1958

SUBJECT: (U) Implementation of Fifth Air Force Ground TACAN  
Environment

TO: CINCPACAF, PACAACS, 39AD, 41AD, 313AD, 314AD, 6000TH Support Wg,  
FEAACS, NAMAP, SAMAP, 1885TH AACS INSTL RON, 6146TH AFAG, MAAG-K

INFO TO: CINCPAC, 315TH AD, 67TH TAC RECON WG, 3RD BOMB WG, 58TH FTR BOMB-  
ER WG, 18TH TAC FTR WG, 21ST TAC FTR WG, 8TH TAC FTR WG, 1ST AACS  
SQ (MOB), MAAG-J, 1861ST AACS FLIGHT CHECKING FLIGHT

1. (SECRET) With the arrival of TACAN only equipped aircraft in this theater now imminent, and the retrofit of administrative and logistic aircraft in progress, this headquarters is concerned with the timely implementation of the TACAN program in order to provide the necessary navigational support for Fifth Air Force aircraft. For this reason a priority sequence has been established for operation of ground TACAN stations, based on terminal and enroute requirements. This priority listing (Incl 1) represents the time phased tactical requirement for individual TACAN stations, and is therefore subject to change as changes occur in the operational concept. All addresses will be advised of priority changes so that necessary action may be taken to revise individual planning.

2. (SECRET) The following operational factors were used in determining TACAN operational priority:

a. (SECRET) The first tactical requirement for TACAN will commence with the receipt of RF-101C aircraft in the Fifth Air Force inventory at Kadena and Misawa. These aircraft will be deployed to this theater during August 1958 and are expected to be operational by 1 October 1958. In addition to the requirement for terminal TACAN at both Kadena and Misawa, it will be necessary to provide a terminal TACAN at Kunsan for deployment purposes and to establish a minimum area coverage of the Japanese and Korean mainlands. The operational target date for the above TACAN facilities is 1 October 1958. Since the RF-101C is TACAN only equipped, the mission effectiveness of this aircraft will be in direct proportion to the degree of success experienced in establishing the minimum TACAN environment.

b. (SECRET) In addition, F-102A aircraft will be phased in to the Fifth Air Force inventory during third quarter FY 59. These aircraft are also TACAN only equipped and will be assigned to Naha, Itazuke and Misawa. A target date of 1 January 1959 is assigned for

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5FOAC-E-N, Hq 5th AF, APO 925, Subj: (U) Implementation of Fifth Air Force Ground TACAN Environment

the establishment of a terminal TACAN at Naha. Again any slippage in meeting this date will degrade the operational effectiveness of these aircraft. Terminal TACAN stations at Itazuke and Misawa, and an adequate enroute TACAN system will have been established in Japan, Korea and Okinawa prior to 1 January 1959.

c. (UNCL) The Fifth Air Force TACAN retrofit program has commenced with C-47 aircraft now receiving the AN/ARN-21 installation. Other aircraft in the Fifth Air Force inventory are scheduled to receive this retrofit at the following times: B-57 aircraft, starting date of 1st quarter FY 59; F-100, 2nd quarter FY 59 through 1st quarter FY 60; and C-54, tentative starting date of 3rd quarter FY 59. All Fifth Air Force aircraft are scheduled to receive the TACAN retrofit prior to 1 January 1960.

3. (UNCL) In order that no delays will be experienced in meeting the established target dates, it is requested that all agencies closely monitor the implementation of TACAN facilities under their respective jurisdiction. The following actions will assist in expediting completion of necessary TACAN facilities.

a. (UNCL) Supporting Construction. All base and division level installation staffs are requested to coordinate directly with the 1885th AACS Installations Squadron to insure that supporting construction is completed in sufficient time to allow for installation of TACAN equipment prior to established target dates.

b. (UNCL) Supply. All base, division and AMA supply agencies are requested to exercise positive control over receipt and disposition of TACAN scheme equipment, in conjunction with the 1885th AACS Installations Squadron. These agencies are also requested to render maximum assistance to the 1885th AACS Installations Squadron in obtaining all components and equipment necessary to complete the original Bill of Materials. This assistance is of extreme importance inasmuch as the operation of several TACAN facilities has been delayed due to non-receipt of monitors, test equipment and modification kits. It is requested that the Pacific AACS Area grant the 1885th AACS Installations Squadron the necessary authority to divert TACAN equipment from one scheme to another, or between locations, in order to meet priority installation requirements. This authority will provide the installations agency with maximum flexibility in meeting installation schedules. Appropriate supply and base agencies will be notified by the 1885th AACS Installations Squadron when equipment is diverted. Installed TACAN equipment will not be relocated without prior Fifth Air Force approval.

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5FOAC-E-N, Hq 5th AF, APO 925, Subj: (U) Implementation of Fifth Air Force Ground TACAN Environment

c. (UNCL) Installation. The 1885th AACS Installations Squadron is requested to revise the TACAN installation schedule to conform with the priority listing contained in Incl 1. Any difficulty experienced in meeting the installation schedule which can not be resolved at a local level will be reported directly to Fifth Air Force, ATTN: 5FOAC-E-N.

d. (UNCL) Flight Check. The Far East AACS Region is requested to revise the TACAN flight check schedule to conform with the installations priority established by Incl 1. As the dates reflected in Incl 1 are dates that respective TACAN facilities must be fully operational, it is important that flight checking be started as soon as possible. In this regard, it is considered practical to flight check TACAN facilities prior to final completion of the installation, depending on the priority of the installation concerned and the degree of completeness of the facility. Request the Far East AACS Region investigate this area immediately and commence flight check operations as soon as possible wherever it is determined feasible.

e. (UNCL) Manning and operation. Request the Far East AACS Region commence full time operation of TACAN stations in accordance with the operational dates established in Incl 1.

f. (UNCL) Request appropriate wing or base operations staffs prepare TACAN approach and let down procedures for terminal stations under their jurisdiction. This action will be taken immediately in accordance with AFR 55-24, and submitted within seven working days after the facility is capable of limited operation and the procedure has been check flown.

4. (UNCL) In order to centralize the responsibility for implementation of the TACAN program, the communications-electronics staffs at all echelons of Fifth Air Force will be responsible for the overall coordination and direction of individual portions of the TACAN program.

5. The installation priority and operation schedule contained in Incl 1 supercedes all previous instructions issued by this headquarters. Authority is granted the Far East AACS Region and 1885th AACS Installations Squadron to deviate from the priority listing in completing installation and flight checking

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5FOAC -E-N, Hq 5th AF, APO 925, Subj: (U) Implementation of Fifth Air Force Ground TACAN Environment

those TACAN facilities having an assigned priority of number six or lower. This authority is granted under the condition that completion and flight checking of lower priority installations is accomplished without delaying implementation of higher priority facilities. Any recommended changes to the priority listing should be forwarded direct to Fifth Air Force.

FOR THE COMMANDER:

1 Incl  
TACAN Instl Priority  
& Operation Schedule

JOHN CRAWFORD  
Colonel, USAF  
Dir of Comm-Elect  
DCS/Operations

SECRET



# SECRET

## TACAN INSTALLATIONS PRIORITY AND OPERATION SCHEDULE

PRIORITY	LOCATION	EQUIP TYPE & QTY	OPS DATE	RESPONSIBLE 5AF AGENCY
1	Kadena	2 GRN-9	1 Aug 58	313AD
2	Kunsan (MAP)	1 TRN-6	1 Oct 58	314AD
3	Misawa	2 TRN-6	1 Oct 58	39AD
4	Brady	2 TRN-6	1 Oct 58	41AD
5	Osan (MAP)	1 TRN-6	1 Oct 58	314AD
6	Yokota	2 TRN-6	1 Nov 58	41AD
7	Niigata	2 TRN-6	1 Nov 58	41AD
8	Mt Rokkusan	2 URN-3	1 Nov 58	41AD
9	Taegu (MAP)	1 TRN-6	1 Nov 58	314AD
10	Naha	2 URN-3	1 Jan 59	313AD
11	Chitose	2 TRN-6	1 Jan 59	39AD
12	Iwo Jima	2 URN-3	1 Jan 59	6000 Sup Wg
13	Komaki	2 TRN-6	1 Jan 59	41AD
14	Takaoyama	2 TRN-6	1 Jan 59	41AD
15	Nomaike	2 URN-3	1 Feb 59	41AD
16	Yokota	2 URN-3	1 Feb 59	41AD
*17	Kunsan (MAP)	1 TRN-6	FY-160	314AD
*18	Osan (MAP)	1 TRN-6	FY-160	314AD
*19	Taegu (MAP)	1 TRN-6	FY-160	314AD
20	Brady	2 URN-3	FY-160	41AD
21	Misawa	2 URN-3	FY-160	39AD

\*Provide dual TACAN at Kunsan, Osan and Taegu. Programming action has been submitted for approval under the MAP.

INCL #1

# SECRET

62  
**SECRET**

6023RD RADAR EVALUATION FLIGHT ECM  
United States Air Force  
APO 235, San Francisco, California

Mar 10 1959

SUBJECT: Quality Control Team Visit to 313th Air Division

TO: Commander  
313th Air Division  
ATTN: Director of C&E  
APO 239

1. Inclosed is the report pertaining to a Quality Control Team visit, from this organization, to the 313th Air Division during the period 26 February through 5 March 1959.
2. The inclosed report is classified **SECRET** in accordance with paragraph 30b, AFR 205-1.
3. When the inclosure is withdrawn or not attached, this correspondence should be downgraded to unclassified.

FOR THE COMMANDER:

1 Incl:  
a/s

PHILIPP R. BLAUFUSS  
1st Lt., U SAF  
Administrative Officer

Copy furnished:  
5AF

**SECRET**

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QUALITY CONTROL TEAM VISITS TO 313TH AIR DIVISION

I. INTRODUCTION:

A. A radar Quality Control team from this organization visited the following sites, within the 313th Air Division; on dates indicated:

P-54	26 - 28 FEB 1959	FPS-3 Radar
P-55	2 - 5 MAR 1959	FPS-20 Radar

B. Purpose of visit was to determine the top site for the Fifth Air Force award as the outstanding quality control site within the 313th Air Division for the month of November 1958, and to give assistance on Radar Quality Control procedures as outlined in Chapter 48, PACAF CEI and 5 AFM 101-1.

C. Authority for this visit was 5FOAC-E-R letter, dated 21 October 1958, Subject: AC&W Quality Control Program.

D. Following is the alignment of all sites within the 313th Air Division, by final station grade for the month of November 1958:

<u>SITE</u>	<u>AVERAGE STATION%</u>	<u>% OF ERRORS</u>	<u>FINAL STATION GRADE</u>
1. P-54	108%	11%	97%
2. P-55	98%	3%	95%
3. P-53	99%	5%	94%
4. P-56	93%	8%	85%

II. PROCEDURES:

A. A Quality Control Questionnaire was administered to determine familiarity with the fundamentals of radar quality control.

B. AF Form 623's were checked to determine adequacy of quality control training given.

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C. An average station quality control percentage was obtained during the visit based on valid and/or PRF limited quality control tracks.

D. Radar Coverage Indicator for Site P-54 was checked for accuracy.

### III. CONCLUSION:

#### A. Site P-54:

1. Site P-54 is an all USAF ADDC reporting traffic to the ADCC at Naha A.B., Okinawa. A quality control questionnaire was administered to 41 enlisted operations personnel assigned to this detachment, with the following results:

HIGHEST GRADE - 100%

LOWEST GRADE - 25%

AVERAGE GRADE - 74%

It should be noted that only one operator made 25% while three made 100%, the bulk of the scores fell between 70% and 80%. From these test results and personnel interviews with operations personnel, it was determined that the principles and procedures of the Quality Control Program are understood and practiced by the majority of all operations personnel assigned to this station.

2. Examination of AF Form 623's indicates that the quality control training at this site is progressing slowly. However, this does not present a true picture of the training program in effect at this station. Operations personnel have an intensive off duty training program covering all phases of Radar operation including the Quality Control program, plus the regular OJT given during the operations

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tour of duty. It is felt that due to this intensive training program the training being given is adequate.

3. As noted in paragraph I. D., of this report, Site P-54 has an average station percentage for the month of November 1958 of 108%. During the visit of this team an average station percentage of 104% was obtained using valid quality control tracks. These two percentages were within 6% of each other, therefore the graded results were considered valid. It should be noted here that the main problem in obtaining a valid quality control track at this station is receiving advance flight plan information from AMIS (Air Movements Identification Section).

4. The Radar Coverage Indicator at this station was checked for accuracy and was found to be correct.

B. Site P-55:

1. Site P-55 is a Surveillance / Intercept station reporting traffic directly to the ADCC located at Naha A.B., Okinawa. A quality control questionnaire was administered to 42 operations personnel assigned to this station with the following results:

HIGHEST GRADE - 100%

LOWEST GRADE - 30%

AVERAGE GRADE - 74%

It should be noted that one operator made 30% while three operators made 100%, with the majority of the scores between 65 - 85%. From the results of this test plus personnel interview with operations personnel it is felt that the principles and procedures of the Quality Control program are well understood and practiced.

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2. Examination of AF Forms 623 indicated that Quality Control training is being given and progressing satisfactorily. It is felt that these forms present a true picture. Training is not only required on duty, formal classroom instruction is required of each crew off duty and covers all phases of operations including Quality Control.

3. As noted in paragraph I. D. of this report, Site P-55 had an average station percentage for the month of November 1958 of 98%. During the period of this visit only three valid tracks were available for Quality Control. The average percentage of these tracks was 96%. An average percentage was also obtained using PRF limited tracks, during this visit, with the result of an average of 97%. It should be noted that this station is limited to valid quality control tracks by two factors, the DB rating of the aircraft and the altitude of the aircraft. Any aircraft larger than -11DB will be beyond PRF limits of this set. Any aircraft below 21,000 feet will be screened, at the sites lowest screening angle ( $-.43^{\circ}$ ), beyond PRF limits. Both the valid and limited percentage figures fall within 6% of the November 1958 station percentage and the graded results were considered valid.

4. The RCI in use at this station is a GPS-4 RCI used with the FPS-3 DB rating list (this GPS-4 RCI was constructed for use with the GPS-4 radars in Korea and is based on the TB-29 at 0 DB and the T-33 at -14 DB. The FPS-3 RCI is based on the TB-29 at  $\nearrow$  3 DB and the T-33 at -11 DB. This 3 DB difference compensates for the approximate 3 DB improvement of the FPS-20 over the GPS-4. RCI contours are identical for the GPS-4 and FPS-20 since antenna and feed characteristics are identical).

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There was no way to check the accuracy of this RCI but the physical condition of the RCI was good. Receiving advance flight plan information from AMIS is also a big problem for this station.

IV. RECOMMENDATIONS:

A. That Site P-55 be awarded the "Outstanding Quality Control Station" award for the month of November 1958, for the 313th Air Division. It is felt that Sites P-55 and P-54 are equally well qualified in the application of all aspects of the Quality Control program. The basis for deciding upon P-55 for the award was the low percentage of error (3%) for the month of November 1958. While P-54 had a higher final station grade (97%) than P-55 (95%), they also had a much higher percentage of errors (11%). It is highly improbable for P-55 to ever have a Quality Control of over 100% because of their type of equipment (track detection ranges are at or very near PRF limits with the FPS-20 - if PRF limits are the Quality Control criteria, more than 100% can never be achieved - the T-33 is practically the only aircraft that is small enough for valid quality control here 100% detector range is approximately 210 miles PRF limit is 223 miles, more than 106% can never be achieved, and the aircraft must be seen within the first 13 miles at the extremities of the PPI to score 100% - this is just two sweeps).

B. That every effort possible be made by AMIS to pass advance flight plan information to all appropriate sites within the 313 Air Division.

C. That continued emphasis be placed on the Quality Control training program and accurate records of training being given be

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PREPARED BY:

JACK A. SULLIVAN, AF14363506  
T/Sgt., 6023rd REFECM

APPROVED BY:

MARION R. RODGERS  
Major, USAF  
Commander

SECRET

SECRET

6023rd Radar Evaluation Flight ECM APO 235, 10 Mar 59, Subj:  
Quality Control Team Visit to 313th Air Division

3130C-E

1st Ind

Hq 313th Air Division, APO 239 San Francisco California

3 Apr 1959

TO: Commander, 623 ACWRON, APO 235, San Francisco, California

1. This headquarters concurs with the findings of the 6023rd Radar Evaluation Flight Quality Control team visits. It should be noted that major faults were not Operational but rather were mathematical.

2. When inclosure is withdrawn or not attached, the classification of Secret on this Indorsement will be cancelled in accordance with paragraph 37h, AFR 205-1.

FOR THE COMMANDER:

1 Incl  
a/s

ERNEST L. WATTS  
Major, USAF  
Chief, Communications Division  
Directorate of Operations

SECRET



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Headquarters  
313TH AIR DIVISION  
United States Air Force  
APO 239 San Francisco, California

REPLY TO  
ATTN OF: 3130C-E

Aug 13 1959

SUBJECT: Quality Control Team Visit to P-56

TO: 623 ACW Sq

Det 1, 313 Air Div

1. Forwarded for your information are copies of Quality Control Team Visit to Site P-56, by the 6023rd Radar Evaluation Squadron.

2. When attachment is withdrawn or not attach, the classification of CONFIDENTIAL on this correspondence will be cancelled in accordance with paragraph 37h, AFR 205-1.

FOR THE COMMANDER:

RUSSELL H. MARKS  
Lt Colonel, USAF  
Directorate of Operations

1 Atch  
Quality Con Team Visit to P-56  
623 ACW Sq (4 cys)  
Det 1, 313 Air Div (1 cy)

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6023RD RADAR EVALUATION SQUADRON ECM  
United States Air Force  
APO 235, San Francisco, California

REPLY TO  
ATTN OF: EVAL/Maj. Fridgen/WA4127

Aug 4 1959

SUBJECT: Quality Control Team Visit to P-56, 313th Air Division

TO: 313th Air Division (Director of C&E)  
APO 235

1. Attached is the report pertaining to a Quality Control Team visit from this organization, to P-56, 313th Air Division during the period 6 and 7 July 1959.
2. The attached report is classified CONFIDENTIAL in accordance with Paragraph 30b, AFR 205-1.
3. When the attachments are withdrawn or not attached, this correspondence should be downgraded to unclassified.

FOR THE COMMANDER:

PATRICK F. PRESTO  
1st Lt., USAF  
Administrative Officer

1 Atch  
QC Report (6 cys)

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### QUALITY CONTROL TEAM VISIT TO SITE P-56

#### I. INTRODUCTION:

A. A radar quality control team from this organization visited site P-56, 313th Air Division, on 6 and 7 July 1959.

B. The purpose of this visit was to give assistance in Radar Quality Control procedures as outlined in PACAF CEI, chapter 48, and 5AFM 101-1.

C. The authority for this visit was SFOAC-E-R letter dated 21 Oct 58, Subject: AC&W Quality Control Program.

D. Following is a six month list of station QC percentages and percentage of errors for Site P-56:

<u>MONTH</u>	<u>STATION PERCENTAGE</u>	<u>PERCENTAGE OF ERRORS</u>
Dec 58	97%	7%
Jan 59	92%	6%
Feb. 59	91%	13%
Mar 59	90%	9%
Apr 59	101%	5%
May 59	99%	4%

#### II. PROCEDURES:

A. A Quality Control questionnaire was administered to operations personnel to determine familiarity with the fundamentals and procedures of the Radar Quality Control program.

B. AF Forms 623 were checked to determine adequacy of training being given.

C. Stations RCI was checked for accuracy.

D. Quality Control tracks were recorded by this team to determine validity of information being submitted by this site.

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### III. CONCLUSIONS:

A. P-56 is a USAF ADDC reporting all traffic to the ADCC located at Naha AB, Okinawa. Results of the 20 question questionnaire administered to 53 operations personnel assigned to this detachment are as follows:

Highest Grade - 100%

Lowest Grade - 35%

Average Grade - 77%

From these test results and personal interviews with operations personnel it is felt that the majority of the personnel have a very good understanding of the Radar Quality Control program and its benefits. Although the average grade of 77% for this detachment does not appear to be very high, this does not reflect a true picture of the majority of the assigned personnel's understanding of this program. With the fast turn over of personnel this site's training problems are never ending, and the low grades on this test can be attributed almost directly to the newly assigned personnel who are not completely trained in this program as yet.

B. Of the 27 OJT records checked only 15 had any entry of training being given on Radar Quality Control as required by 5th Air Force Letter, dated 25 March 1958. This is believed to have been an administrative error only, because the personnel showed a knowledge of this program even though no credit for training had been given. The training program at this site is conducted during the crew members off duty time as well as during his normal tour of duty.

C. The stations RCI was checked for accuracy and found to be within tolerance for conducting the quality control program. The physical condition of the RCI was very bad and will be replaced by this organization with a new RCI shortly.

D. During the visit by this team, Quality Control readings were taken on 18 tracks with an average percentage of 92%. This average percentage would have been higher except for three abnormally low percentages of 69%, 66%, and 61% taken during the midnight shift of 7 July. After the third low reading was recorded a 15 minute tune-up period was requested and a bad ATR tube and burned out crystal was found. These were replaced and a QC reading was taken shortly after resulting in a 95% QC score. This is a classical example of one of the benefits of a good quality control program in that a degraded condition of the radar was discovered and the set brought back to full capability in a minimum of time. The cooperation between Operations and Maintenance is very good and both sections seem to place a great deal of emphasis on the QC program.

E. The main problem in conducting a quality control program is the physical location of this station. The majority of the traffic on airways is picked up first by one of the other sites under the 313th Air Division

## CONFIDENTIAL

and is lateral-told to P-56 prior to actual pick-up by this station. This situation naturally forewarns the surveillance operator and makes it impossible to derive anything other than a monitored figure.

### IV. RECOMMENDATIONS:

A. That the proper entries be made on each individuals Form 623 to indicate training being given in Radar Quality Control.

B. That this organization be notified when any equipment such as new RCI's, Profile of Horizon Charts and etc. are required.

C. That some system be devised to keep the scope operator from being forewarned on lateral-told tracks from other stations. A lateral-tell recorder might be the answer to enable the site to receive lateral-told tracks from other stations but not plot them on their plotting board until it is actually picked up on their stations radar.

PREPARED BY:

JACK A. SULLIVAN, AF14363506  
T/Sgt., 6023rd REVRON ECM

APPROVED BY:

MARION R. RODGERS, Major, USAF  
Commander

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PCA 0360M075

AAB083

MM RJAOKCV

DE RJAPAA 7 OD

M 300721Z

FM 5AF FUCHU AIR STN JAPAN

TO RJAOKH/623AC&W RON NAHA AB OKINAWA

INFO RJAOKC/313 AIRDIV KADENA AB OKINAWA

BT

C O N F I D E N T I A L FROM 5FEDP-D 11-3091 L. ACTION: 623 AC&WRON (C-E). INFO: 313 AIRDIV (3130C-E). SUBJECT: AN/FPS-20 ACCEPTANCE PROGRESS REPORTS, KUME SHIMA AND OKINO ERABU SHIMA AIR STATION RCS: FAF-E40 APPLIES TO KUME SHIMA AS. RCS: FAF-E40 APPLIES TO OKINO ERABU SHIMA AIR STATION. REPORTS WILL INCLUDE STATUS AS OF FRIDAY EACH WEEK AND WILL BE FORWARDED BY MESSAGE TO ARRIVE AT THIS HEADQUARTERS ATTN: 5FEDP BY WEDNESDAY OF THE FOLLOWING WEEK. SUBMISSION WILL CONTINUE ON A WEEKLY BASIS UNTIL AN/FPS-20 FACILITIES ARE FULLY ACCEPTED IN ACCORDANCE WITH T.O. 31-1-8 DATED 29 JAN 59 AND THIS HEADQUARTERS IS IN RECEIPT OF NECESSARY ACTION TO REFLECT A STATUS IN THE PCSP. THE FOLLOWING FORMAT WILL BE USED TO INDICATE ACTION NECESSARY AND/OR PROGRESS MADE TOWARD SATISFYING THE FOLLOWING REQUIREMENTS WHICH HAVE PRECLUDED FORMAL ACCEPTANCE OF AN/FPS-20 FACILITIES REFERENCED HEREIN: (1) SUPPLY SUPPORT. (2) OPERATING AND MAINTENANCE SUPPORT. (3) SPARE PARTS AND TEST EQUIPMENT. (4) NECESSARY TECHNICAL DATA. (5) POWER DISTRIBUTION SYSTEM. (6) TOWER MODIFICATION (7) EQUIPMENT INSTALLATION.

BT

30/0840Z NOV RJAPAA 1959

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PCA 038KHBO33  
RRKRJAOKC  
KHBO27  
RR RJAKC RJAPAA  
DE RJAKH 75  
R 080615Z ZEX  
FM ACWRON 623 NAHA AB OKI  
TO RJAPAA/AF 5 FUCHU AS JAP  
INFO RJAKC/ADIV 313KADENA AB OKI  
BT

/C O N F I D E N T I A L/623CE C-01202. ATTN: 5FEDP. THIS MESSAGE IN  
THREE PARTS. PART I. FAF-E40 KUME SHIMA AIR STATION. 1. SUPPLY  
SUPPORT. ACCEPTED. 2. OPERATING AND MAINTENANCE SUPPORT.  
PERSONNEL SITUATION NOT ACCEPTABLE, RESULTS IN OPERATING UNDER A  
LIMITED CAPABILITY. NO SEVEN LEVEL MAINTENANCE PERSONNEL ON SITE, ONLY  
THREE EACH FIVE LEVEL, AND EIGHT EACH THREE LEVEL ASSIGNED AT PRESENT.  
MINIMUM REQUIREMENT IS THREE EACH 30372 and SIX EACH 30352 FOR FULL ACCEP-  
TANCE. CHANGE IN UMD WAS REQUESTED BY LETTER THIS HEADQUARTERS, SUBJECT:  
PROPOSED C-E MANNING, DATED 30 JUNE 1959. COMMAND ASSISTANCE IN OBTAINING  
ADDITIONAL PERSONNEL WAS REQUESTED BY LETTER THIS HEADQUARTERS, SUBJECT:  
REQUEST COMMAND ASSISTANCE, DATE 16 JULY 1959. 3. SPARE PARTS AND TEST EQUIP-  
MENT. ACCEPTED. 4. NECESSARY TECHNICAL DATA. ACCEPTED. 5. POWER DISTRI-  
BUTION. NOT ACCEPTABLE DUE TO CONTRACTOR INSTALLING CIRCUIT BREAKERS OF  
INADEQUATE CAPACITY. 6. TOWER MODIFICATION. NOT ACCEPTABLE. A. EXHAUST  
FANS DO NOT HAVE PROTECTIVE COVERS OVER THE BLADES THEREBY CONSTITUTING A  
PERSONNEL SAFETY HAZARD. B. WHEN IT RAINS THE FLOOR BECOMES FLOODED DUE TO  
THE FACT THAT HOOD COVERS HAVE NOT BEEN INSTALLED OVER THE FILTERED AIR  
INTAKES. 7. EQUIPMENT INSTALLATION. ACCEPTED. PART II. FAF-E40 OKINO  
ERABU SHIMA AIR STATION. 1. SUPPLY SUPPORT. ACCEPTED. 2. OPERATING AND  
MAINTENANCE SUPPORT. PERSONNEL SITUATION NOT ACCEPTABLE, RESULTS IN  
OPERATING UNDER LIMITED CAPABILITY. NO SEVEN LEVEL MAINTENANCE PERSONNEL  
ON SITE, ONLY SIX EACH FIVE LEVEL AND TWO EACH THREE LEVEL ASSIGNED AT  
PRESENT. MINIMUM REQUIREMENTS AND ACTION TAKEN TO OBTAIN THESE LISTED  
IN PART I, PARAGRAPH 2, OF KUME SHIMA REPORT. 3. SPARE PARTS AND TEST  
EQUIPMENT. ACCEPTED. 4. NECESSARY TECHNICAL DATA. ACCEPTED. 5. POWER  
DISTRIBUTION. ACCEPTED. 6. TOWER MODIFICATION. NOT ACCEPTABLE. A.  
EXHAUST FANS DO NOT HAVE PROTECTIVE COVERS OVER THE BLADES THEREBY CON-  
STITUTING A PERSONNEL SAFETY HAZARD. B. WHEN IT RAINS THE FLOOR BECOMES  
FLOODED DUE TO THE FACT THAT HOOD COVERS HAVE NOT BEEN INSTALLED OVER  
THE FILTERED AIR INTAKES. 7. EQUIPMENT INSTALLATION. ACCEPTED. PART III.  
REQUEST THIS REPORT BE CHANGED TO AN AS REQUIRED REPORT BASED UPON ANY CHANGE  
IN THE ACCEPTANCE STATUS. WE ASSUME YOUR HEADQUARTERS WOULD HAVE NO NEED  
FOR A NEGATIVE CHANGE REPORT ON A WEEKLY BASIS, BUT DESIRE IMMEDIATE  
NOTIFICATION OF PROGRESS MADE TOWARD FULL ACCEPTANCE. IF OUR PROPOSED  
METHOD OF REPORTING NOT ACCEPTABLE PLEASE NOTIFY THIS SQUADRON, ATTN: C&E.  
BT  
08/0650Z DEC RJAKH

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PCBO200PAA025AABO20

MM RJAOKC

ZDK

AAA061

MM RJAOKC RJAOKH

DE RJAPAA 69D

M 160653A ZNJ

FM HQ 5AF FUCHU AIR STN JAPAN

TO RJAOKH/623ACWRON NAHA AB OKINAWA

INFO RJAOKC/313WIR DIV KADENA AB OKINAWA

BT

/C O N F I D E N T I A L /FROM 5FEDP-D 12-1943

ACTION 623ACWRON (C&EW). INFO: 313AD (OC-E). REF FAF-E40 RPTS VIA  
CONFIDENTIAL 623CE MSG 1-01202 OF 8 DEC 59. THIS MSG IN THREE PARTS.  
PART I. INCREASING UMD AUTH WILL NOT NECESSARILY RESOLVE EXISTING SKILL  
LEVEL MANNING PROBLEMS. POSSIBLE THAT THREE LEVEL ASGNMT WILL BE  
MADE AGAINST FIVE LEVEL AUTH AND FIVE LEVEL AGAINST SEVEN LEVEL AUTH.  
YOUR REQUEST FOR COMD ASSISTANCE IN THIS AR A HAS BEEN RCVD AND A RE2  
PLY THROUGH PERS CHNL IS FORTHCOMING. 313AD REORGN PLAN FOR 51FTG  
INTCP WG DTD 11 OCT 59 RECEIVING CONSIDERATION. REVIEW THEREOF IN-  
DICATIONS PROPOSED UMD FOR 623ACW IE WITHIN USAF STANDARD. PART TWO.  
AS WELL AS LISTING ITEMS JUSTIFYING NON-EXCEPTANCE, RPTS ARE TO IN-  
DICATION ACTION YOU ARE TAKING TO CORRECT DISCREPANCIES. NOTED YOU  
HAVE INDICATED NO ACTION TO CORRECT POWER DISTR SYS AT KUME SHIMA AND  
NO ACTION TO CORRECT TOWER MODIFICATION AT KUME SHIMA OR OKINO ERABU  
SHIMA. PART THREE. IN THAT AN/FPS-20'S HAVE BEEN OPERATING ON A  
LIMITED BASIS AT OKINO AND KUME SHIMA SINCE OCT 58 AND APR 59  
RESPECTIVELY, NO CONSIDERATION WILL BE GIVEN TOWARD DELETING THE  
REQUIREMENT FOR FAF-E40 RPTS ON A WEEKLY BASIS.

BT

16/0715Z DEC RJAPAA 1959

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67

NNNMPCB019KHB018

RR RJAOKC

DE RJAOKH 85

R 230700Z ZEX

FM ACWRON 623 NAHA AB OKI

TO RJAPAA/AF 5 FUCHU AS JAP

INFO RJAOKC/ADIV 313 KADENA AB OKI

BT

/C O N F I D E N T I A L/623CE C-01259. ATTN: 5FEDP-D. FOLLOWING IS WEEKLY PROGRESS REPORT RCS: FAF-E40 AS OF 15 DECEMBER 1959. FOR KUME SHIMA: 1. SUPPLY SUPPORT ACCEPTED. 2. OPERATING AND MAINTENANCE SUPPORT LIMITED DUE TO SHORTAGE OF FIVE AND SEVEN LEVEL MAINTENANCE PERSONNEL. REFERENCE TO R MESSAGE 5FEDP-D WE ARE EXPECTING ANSWER THROUGH PERSONNEL CHANNELS TO OUR REQUEST FOR COMMAND ASSISTANCE IN OBTAINING REQUIRED PERSONNEL. IF YOUR HEADQUARTERS WILL WAIVE THE PERSONNEL REQUIREMENT THIS LIMITING FACTOR WILL BE REMOVED. 3. SPARE PARTS AND TEST EQUIPMENT ACCEPTED. 4. NECESSARY TECHNICAL DATA ACCEPTED. 5. POWER DISTRIBUTION SYSTEM LIMITED DUE TO INSTALLATION OF TWO HUNDRED AMPERE CIRCUIT BREAKER INSTEAD OF TWO HUNDRED AND TWENTY-FIVE AMPERE BREAKER PRESCRIBED BY INSTALLATION DIAGRAM. TESTS INDICATE THAT NORMAL LOAD IS 135 TO 165 AMPERES, THEREFORE THIS HEADQUARTERS WILL ACCEPT PRESENT BREAKER WITH WAIVER FROM YOUR HEADQUARTERS. 6. TOWER MODIFICATION LIMITED DUE TO LACK OF HOOD COVERS OVER AIR INTAKES AND LACK OF PROTECTIVE COVERS OVER EXHAUST FANS. BASE INSTALLATIONS INFORMS THIS HEADQUARTERS THAT WORK ORDERS HAVE BEEN ISSUED AND MODIFICATIONS WILL BE COMPLETED AS SOON AS POSSIBLE. 7. EQUIPMENT INSTALLATION WILL BE COMPLETED AS SOON AS POSSIBLE. 7. EQUIPMENT INSTALLATION ACCEPTED. FOR OKINO ERABU SHIMA: ALL ITEMS ACCEPTED WITH EXCEPTION OF PERSONNEL LIMITATION AND TOWER MODIFICATIONS. SAME INFORMATION IN RESPECT TO THESE TWO ITEMS APPLIES TO OKINO ERABU AIR STATION AS THAT GIVEN IN ITEMS TWO AND SIX ABOVE FOR KUME SHIMA. WEEKLY REPORT OF PROGRESS WILL BE SUBMITTED UNTIL ACTION IS COMPLETED AND FULL ACCEPTANCE ACCOMPLISHED/CONFIDENTIAL

BT

23/0736Z DEC RJAOKH 1959

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U 1 5 9



68

YOZA DAME AIR STATION  
623rd Aircraft Control and Warning Squadron  
United States Air Force  
APO 235, San Francisco, California

REPLY TO  
ATTN OF: 623YRM

27 October 1959

SUBJECT: Typhoon damage

TO: Commander  
Headquarters 623 ACWRON  
APO 235, San Francisco, California

1. The following is a resume of Typhoon damage experienced during Typhoon Charlotte 16 October 59 by Radar Maintenance, this site and a request for assistance in repairing said damage.

2. Rigid Radome CW 396A GPS; Serial number 6-2-1, (ref. 623CE letter, 18 March 58) installed on the AN/FPS-3A tower: Inspection of the rigid radome after the Typhoon indicated that at least five panels had approximately 10 splits ranging from 4 inches to half the diagonal length of the panel. Possibly many more panels are split, however, it is impossible to tell without going off the air and erecting the radome scaffold to inspect the panels above the floor level and towards the top of the radome. The splits occurred along what appears to be a laminated seam running along the long diagonal of the panel, (each panel is diamond shaped with a heavy ribbing running across the short diagonal). Apparently the incessant beating of the wind and rain caused the seam to weaken and split. Inspection of the other panels indicates a weakened seam in just about every panel tested. Pressing the seam with the thumb produces a cracking of the fiber glass indicating that the panel may not be capable of taking much more pounding as occurred during this Typhoon. An inspection of the rigid radome serial number 3-U-2 manufactured by Universal Plastics shows no damage. However the Universal panels have a smooth panel surface with no seams across any of the diagonals.

3. The following recommendations are offered in regards to the damaged radome:

a. Request your headquarters initiate action to procure technical assistance for thorough inspection and repair of the Zenith Rigid Radome to indicate serviceability for the next typhoon season. The assistance team will be required to obtain a repair kit consisting of the following items:

- (1) Hetron 92 Resin, 15, 1 lb containers.
- (2) Garox BZP Catalyst, 15, 10 gram containers.
- (3) MEK Peroxide, 15, 4 gram containers.
- (4) Cobalt Naphthenate, 15, 4 gram containers.

623YRM, Yoza Dake Air Station, 27 Oct 59, Subj: Typhoon damage, Cont'd

(5) # 1584 Cloth, 38" wide, 15 yards, Garan finish, per MIL-G-1140B.

These chemicals will be sufficient to repair 15 damaged sections as noted in letter, Repair Procedures for Rigid Radome CW-396(A) GPS, Zenith Plastics Corporation, dated 27 May 1957. A suggested source of supply for the above listed items is Zenith Plastics Corporation, Gardena California.

4. Damage to the AN/FPS-6 Arctic Tower consisted of one window frame <sup>8</sup>completely torn out and six side locking channels torn away from the steel structure. No stock numbers for these items have been found in available Tech Orders. It appears that these items might be manufactured by the 51st Field Maintenance Squadron sheet metal shop. However guidance is requested covering procedure for submitting work orders for typhoon damage repairs.

RICHARD B. BEATTY  
Major, USAF  
Commander



623YRM, Yoza Dake AS, 623rd ACWRON, APO 235, 27 Oct 59, Subj:  
Typhoon Damage

1st Ind (623CE)

4 Nov 1959

623rd ACWRON, APO 235

TO: 313th ADIV (313OC-E), APO 239

Assistance in repairing damages noted in the basic letter was requested  
from MDA by our message 623CE 0714, dated 28 October 1959.

FOR THE COMMANDER:

s/t/SAMUEL L. CHILES, Captain, USAF  
Executive Officer



69

OKA894KHA193

MM R JA OKC  
DE R JA OKH 37  
M 090520Z ZEX  
FM ACWRON 623  
TO ADIV 313

BT

UNCLAS 623CE 0840. ATTENTION: OC-E. REQUEST ASSISTANCE TO OBTAIN IDA  
INSPECTION REPORT REGARDING TYPHOON DAMAGED ZENITH RADOME CM-396A/GPS  
AT DETACHMENT THREE, 623RD ACWRON WHICH WAS INSPECTED BY IDA TEAM  
OUT OF MALAP ON OR ABOUT 2 NOVEMBER 1959.

BT

09/0620Z DEC RJAOKH

70 -

UNCLASSIFIED

DEFERRED

AF

X

313AIR DIV KADENA AB OKINAWA

NAVAF TACHIKAMA AB JAPAN

/UNCLASSIFIED/313OC-E U-12-176. REQUEST THIS HEADQUARTERS  
BE FURNISHED INSPECTION REPORT REGARDING DAMAGED ZENITH RADOME  
CW-396A/GPS AT DETACHMENT 3, 623ACW SQ, WHICH WAS INSPECTED BY  
MDA TEAM ON OR ABOUT 2 NOVEMBER 1959.

RUSSELL H. MARKS  
LT COLONEL, USAF  
DIRECTORATE OF OPERATIONS

140612Z

DEC

UNCLASSIFIED



71  
PCB0214061

RR RJAOKC

DE RJAOKH 112

R 120730Z ZEX ZNJ

FM 623 ACWRON NAHA AB OKI

TO RJAOKC/313 ADIV KADENA AB OKI

INFO RJAPAA/5AF FUCHU AS JAP

RJAPGB/PACGER TACHIKAWA AB JAP

BT

UNCLAS/E F T O/623CE 0037. ATTN: 313OC-E. REF YOUR MSG 313OC-EU-1-49.

THE IIC FOR THE DAMAGED RADOME AT YOZA DAKE INDICATES THAT DURING THE INSTALLATION A GREAT DEAL OF DIFFICULTY WAS ENCOUNTERED IN FITTING THE RADOME TO THE TOWER. THIS INDICATES TO THIS HEADQUARTERS THAT THE RADOME WAS AN IMPROPER SIZE OR SHAPE WHEN INSTALLED, AND WAS UNDER UNUSUAL STRESS IN A NO WIND CONDITION. THE FACT THAT THIS RADOME WAS THE ONLY ONE DAMAGED IN THE RECENT TYPHOONS AND SINCE THE DAMAGE IS APPARENTLY STRESS DAMAGE, IT IS OUR OPINION THAT THE ORIGINAL INSTALLATION OF THIS RADOME WAS NOT ACCEPTABLE. THIS HEADQUARTERS FEELS THAT FUTURE INSTALLATION BY GEEIA SHOULD BE CLOSELY INSPECTED BY QUALIFIED PERSONNEL DURING AND AFTER COMPLETION BY 313ADIV PERSONNEL AND THAT THESE INSPECTING PERSONNEL SHOULD SIGN THE IIC'S AS THE OPERATING AGENCY.

BT

12/0750Z JAN RJAOKH

NNNN



72

OKA140FQ CZCPFA746ZCBGA617  
RR R JA OCK  
DE R JAPGB 89  
R 130446Z  
FM NAMAP TACHIKAWA AB JAPAN  
INFO RJA OKC/3313TH AD  
RJAOCK/DET BL YME ACWRON YAZADAKE AS OKINAWA  
AF GRNC  
BT

UNCLAS FROM PNNM-1-00597-E  
THIS MSG ACTION TO 5TH AF, INFO TO 313TH AD & DET 3, 623 ACWRON.  
THIS MSG IN THREE PARTS. PART ONE, THE FOLLOWING MSG FROM ROME ADC  
IS QUOTED FOR YOUR INFORMATION AND ACTION. QUOTE. UNCLAS FROM  
RCSGE-2-1-1-E FOR PNNM. REFERENCE TELETYPE PNNM 12-17700-E DATED  
18 DEC 59 TO RONSE REQUESTING ASSISTANCE IN RESOLVING CW-396A RADOME  
PRO IEM THIS CENTER FEELS THAT LITTLE FURTHER COULD BE ACCOMPLISHED  
BY AN ENGINEERING INSPECTION OF THE DAMAGED RADOME 6-Z-1 AND 3-U-2  
HOWEVER BASED UPON THE DAMAGE SURVEY WE RECOMMEND THE FOLLOWING  
ACTION BE TAKEN /1/ RADOME 6-Z-1 - THE EXTENT OF THE DAMAGE TO THIS  
RADOME REPORTED IN THE FIELD SURVEY WARRANTS THE REPLACEMENT OF THE  
ENTIRE STRUCTURE SCRAP THOSE PANELS WHICH HAVE INCURRED STRUCTURAL  
DAMAGE IE DAMAGE TO FLANGE OR RIB SECTIONS SECONDARY BONDED REPAIRS  
IN THESE CRITICAL AREAS ARE NOT ADEQUATE FOR DEPENDABLE FIELD  
OPERATION THOSE PANELS WITH DAMAGED MEMBRANES SHOULD BE REPAIRED  
AND STORED WITH THE UNDAMAGED PANELS FOR FIELD SPARES /2/ RADOME  
3-U-2 - THIS CENTER DOES NOT CONCUR IN THE FIELD PAINTING OF THIS  
RADOME WITH RESIN SINCE THE PROPER CURE OF THE RESIN IS DEPENDENT  
UPON MOISTURE AND TEMPERATURE SUCH A PROCESS IS DIFFICULT IN AN  
UNCONTROLLED ENVIRONMENT TO EFFECTIVELY PROTECT AGAINST SURFACE  
EROSION WE RECOMMEND THE APPLICATION OF RADOLON THE PROCEDURE FOR  
THE APPLICATION OF THIS MATERIAL WILL FOLLOW UNDER SEPARATE COVER  
SGD DIR OF TECH SERVICES. UNQUOTE. PART TWO. REQUEST THAT ACTION  
BE INITIATED BY YOUR HEADQUARTERS TO PROGRAM A REPLACEMENT RADOME  
FOR SERIAL NUMBER 6-A-1. PART THREE. THE PACIFIC MDA HAS TAKEN  
ACTION TO HAVE SERIAL NUMBER 3-U-2 PAINTED WITH RADOLON PAINT. AS  
SOON AS WE ARE PROVIDED WITH NECESSARY MAINTENANCE SPECS AND PRO-  
CEDURES FOR THIS MATERIEL YOU WILL BE ADVISED.

BT  
13/0455Z JAN R JAPGB

73

NNNN OKA 949MCA079CACRFC182ZCPRB962

MM RJAOKC

DE RJAPGB 116

M 290525Z

FM NAMAP

TO RJAOKH/623RD ACWRON

INFO RJAOKC/313TH ADIV

BT

UNCLAS FROM PNNM-1-01689-E

THIS MSG ACTION TO 623 AC&WRON, INFO TO 5TH AF & 313TH AD. REF YOUR UNCLAS 623 C&E 0084 AND OUR PNNM-1-00597-E, INFO DET 3, 623RD AC&W WHICH IS QUOTED FOR YOUR INFORMATION. QUOTE. THIS MSG IN THREE PARTS. PART ONE. THE FOLLOWING MSG FROM ROME ADC IS QUOTED FOR YOUR INFORMATION AND ACTION. QUOTE. UNCLAS FROM RCSGE-2-1-1-E FOR PNNM. REFERENCE TELETYPE PNNM 12-17700-E DATED 18 DEC 59 TO RONSE REQUESTING ASSISTANCE IN RESOLVING CW-396A RADOME PROBLEM THIS CENTER FEELS THAT LITTLE FURTHER COULD BE ACCOMPLISHED BY AN ENGINEERING INSPECTION OF THE DAMAGED RADOMES 6-Z-1 AND 3-U-2 HOW EVER BASED UPON THE DAMAGE SURVEY WE RECOMMEND THE FOLLOWING ACTION BE TAKEN /1/ RADOME 6-Z-1 - THE EXTENT OF THE DAMAGE TO THIS RADOME REPORTED IN THE FIELD SURVEY WARRANTS THE REPLACEMENT OF THE ENTIRE STRUCTURE SCRAP THOSE PANELS WHICH HAVE INCURRED STRUCTURAL DAMAGE IE DAMAGE TO FLANGE OR RIB SECTIONS SECONDARY BONDED REPAIRS IN THESE CRITICAL AREAS ARE NOT ADEQUATE FOR DEPENDABLE FIELD OPERATION THOSE PANELS WITH DAMAGED MEMBRANES SHOULD BE REPAIRED AND STORED WITH THE UNDAMAGED PANELS FOR FIELD SPARES /2/ RADOME 3-U-2 - THIS CENTER DOES NOT CONCUR IN THE FIELD PAINTING OF THIS RADOME WITH RESIN SINCE THE PROPER CURE OF THE RESIN IS DEPENDENT UPON MOSTURE AND TEMPERATURE SUCH A PROCESS IS DIFFICULT IN AN UNCONTROLLED ENVIRONMENT TO EFFECTIVELY PROTECT AGAINST SURFACE EROSION WE RECOMMEND THE APPLICATION OF RADOLON THE PROCEDURE FOR THE APPLICATION OF THIS MATERIAL WILL FOLLOW UNDER SEPARATE COVER SGD DIR OF TECH SERVICES. UNQUOTE. PART TWO. REQUEST THAT ACTION BE INITIATED BY YOUR HEADQUARTERS TO PROGRAM A REPLACEMENT RADOME FOR SERIAL NUMBER 6-Z-1. PART THREE. THE PACIFIC MDA HAS TAKEN ACTION TO HAVE SERIAL NUMBER 3-U-2 PAINTED WITH RADOLON PAINT. AS SOON AS WE ARE PROVIDED WITH NECESSARY MAINTENANCE SPECS AND PROCEDURES FOR THIS MATERIEL YOU WILL BE ADVISED. UNQUOTE. DUE TO AN ADMINISTRATIVE ERROR OUR HQS THIS MSG WAS SENT TO DET 3, 623RD AND NOT TO THE SQUADRON. SINCE THE INFORMATION GIVEN IN THIS MSG FROM ROME AIR DEVELOPMENT CENTER ADVISES AGAINST PAINTING WITH RESIN DUE TO NON CONTROL OF CLIMATIC CONDITIONS NO FURTHER ACTION IS BEING TAKEN THIS MDA TO HAVE REFERENCED RADOME PAINTED WITH RESIN. YOU WILL BE ADVISED AS SOON AS ROME AIR DEVELOPMENT CENTER PROVIDES US NECESSARY MAINTENANCE SPECS AND PROCEDURES FOR RADOME PAINTING.

BT

29/0605Z JAN R JAP GB



74

PCAO3OPAA 029AAA062

MM RJAOKA

DE RJAPAA 40D

M 200436Z ZNJ

FM 5AF FUCHU AIR STN JAPAN

TO RJHPKM/PACAF HICKAM AFB HAWAII

INFO RJAPAL/AMFPA TACHIKAWA AB JAPAN

RJAOKA/313AIRDIV KADENA AB OKINAWA

BT

UNCLAS E F T O FROM 5FEDP-D 0109.

ACTION: PACAF (PFEPP-PR). INFO: AMFPA (MDA), PAC GER  
(ZPME) & 313 ADIV (OC-E). SUBJECT IS RIGID RADOME AT YUZA  
DAKE. REFERENCE YOUR CONF MSG PFEPP-PR 1962. THIS HEAD-  
QUARTERS HAS BEEN ADVISED BY MDA THAT SUBJECT RADOME SHOULD  
BE REPLACED. NAMAP MSG PNNM-1-00597E DATED 13 JAN 1960 IS  
QUOTED IN PART FOR YOUR INFORMATION AND NECESSARY ACTION.  
QUOTE. RADOME 6-Z-1 - THE EXTENT OF THE DAMAGE TO THIS  
RADOME REPORTED IN THE FIELD SURVEY WARRANTS THE REPLACEMENT  
OF THE ENTIRE STRUCTURE. SCRAP THOSE PANELS WHICH HAVE  
INCURRED STRUCTURAL DAMAGE IE DAMAGE TO FLANGE OR RIB  
SECTIONS. SECONDARY BONDED REPAIRS IN THESE CRITICAL AREAS  
ARE NOT ADEQUATE FOR DEPENDABLE FIELD OPERATION. THOSE  
PANELS WITH DAMAGED MEMBRANES SHOULD BE REPAIRED AND STORED  
WITH THE UNDAMAGED PANELS FOR FIELD SPARES. UNQUOTE.  
REQUEST WE BE ADVISED SPECIFIC ACTIONS TO BE TAKEN.

BT

20/0455Z JUN RJAPAA



75

TYPHOON CHARLOTTE DAMAGE REPORT

C O N T E N T S

1. Personnel Casualties.
2. Installations and Utilities.
3. Aircraft.
4. Radar and Radar Equipment.
5. Communications Equipment.
6. Vehicles.
7. Overtime and Overhire.
8. Miscellaneous

PERSONNEL CASUALTIES

TAB 1



Personnel Casualties

1. L. W. Davis, A/10, Puncture of right foot.
2. W.E. Hansen, A/20, Laceration of right hand.
3. R. England, dependent, Laceration of right hand.

INSTALLATIONS AND UTILITIES

2



1. Damage to Installations and Property are as follows:

a. Total damage to all Real Estate property on Kadana Air Base and it's off base sites is \$481,783.52. This figure includes labor and materials.

b. Contractual action to repair damage to electrical facilities is estimated at \$75,000.00.

2. At 1215 hours, 25 October 1959, an outage occurred in 3 circuits in the housing area, due to water damage from the typhoon. One (1) pot head was blown and repaired - circuit placed back in operation. As of this time, 1030 hours, 26 October 1959, circuit #7 is still inoperative due to blown cable which has not as yet been located. Also, a 50 KVA in M&K area blew over the weekend and has yet to be replaced. It is anticipated that further hidden damage will develop with time, due to salt infiltration and water, particularly in the underground electrical system.

3. Photographs showing typical typhoon damage are attached with this report.



1. Structural Damage:

- a. 245 doors (all types) were damaged or destroyed. Estimated cost \$2,940.00.
- b. 400 door locks (all types) damaged or destroyed. Estimated cost \$4,560.00.
- c. 3000 sq. ft. of acoustical tile was damaged. Estimated cost \$2,040.00.
- d. 1725 sq. ft. of corrugated metal roofing was damaged or destroyed. \$138.00.
- e. 220 lin. ft. metal flashing was damaged or destroyed. Estimated cost \$88.00.
- f. 420 roof jacks and/or caps were damaged or destroyed. Estimated cost \$1,100.00.
- g. 264 ventilators (all types) will require replacement or repairing. \$2,840.00.
- h. 330 shutters were damaged or destroyed (this includes 21 shutters in the Stearley Heights Dependent Housing Area ). \$4,620.00.
- i. 1,108 window glass were broken out or severely cracked. \$2,216.00.
- j. 240,000 sq. ft. of roofing requires repair or replacement. Estimated cost \$28,800.00. In addition, there are 137 houses in the Stillwell Park Dependent Housing area which require roof resurfacing. Estimated cost \$17,800.99.
- k. 52 roof leaks have developed in the North Terrace housing area, plus 360 roof leaks in the remainder of buildings on KAB and it's off base sites. Estimated cost \$3,296.00.
- l. 7,000 sq. ft. of insect screening was damaged or destroyed. Estimated cost \$3,296.00.
- m. Hardware such as retainers, latches, arms, pivot pins and guides will have to be repaired or replaced on 209 windows. Estimated cost \$1,881.00.
- n. 91 door closers (hydraulic and pneumatic) were damaged or destroyed. Estimated cost \$819.00.
- p. Damage to floor tile cannot be determined at the present time. In many instances where asphalt tile has been flooded, the asphalt tile will not work loose for a week to a month.
- q. Following are the number of buildings which suffered water damage to paint:

- (1) Stearley Hts. housing  
Interior paint, 65 bldgs. Estimated cost \$13,000.00.
- (2) Stillwell Park housing  
Interior paint, 66 bldgs. Estimated cost \$9,900.00.  
Exterior paint, 47 bldgs. Estimated cost \$4,700.00.
- (3) North Terrace housing  
Interior paint, 177 bldgs. Estimated cost \$26,600.00.  
Exterior paint, 262 bldgs. Estimated cost \$30,000.00.
- (4) M&K Area  
Exterior paint, 16 bldgs. Estimated cost \$3,000.00.
- (5) Arnold Terrace housing  
Exterior paint, 15 bldgs. Estimated cost \$1,500.00.  
Interior paint, 5 bldgs. Estimated cost \$500.00.
- (6) Jennings Area housing  
Exterior paint, 65 bldgs. Estimated cost \$6,500.00.  
Interior paint, 15 bldgs. Estimated cost \$1,400.00.
- (7) Morgan Manor housing  
Exterior paint, 55 bldgs. Estimated cost \$6,500.00.  
Interior paint, 10 bldgs. Estimated cost \$900.00.
- (8) 13 H type buildings require  
Exterior paint. Estimated cost \$1,500.00.
- (9) 20 miscellaneous permanent buildings, estimated cost \$7,000.00 and 100 temporary type buildings need exterior paint. Estimated cost \$8,000.00.
- (10) 15 each miscellaneous permanent type buildings. Estimated cost \$6,750.00 and 100 each temporary type buildings require interior painting. Estimated cost \$2,700.00.

r. 9 Quonsets in the 6313th AB Wg area received damage to bulkheads, exterior metal and eyebrows and should be repaired as soon as possible to prevent further damage to interior and equipment.

s. 125 door jams were damaged or destroyed. Estimated cost \$625.00.

t. There were 85 porch roofs damaged in the Jennings, Arnold Terrace, and Morgan Manor housing area. Estimated cost \$1,700.00.

u. The following buildings and miscellaneous structures were damaged to the extent that they are not repairable, therefore, can be considered a total loss:

- (1) T-149 - Real Property value \$6,725.00.
- (2) T-5143-Real Property value \$403.92 (Yontan Air Field).
- (3) T-1996 - Real Property value \$1,400.00



- (4) T-3F - Real Property value \$3,000.00.
- (5) T-1921 - Real Property Value \$3,663.00.
- (6) Sidewalk canopy in front of buildings T-4, T-4A, T-4B, T-4C, T-4D, T-4E, and T-4F - Estimated cost \$1,600.00.
- (7) T-2165 - Real Property value \$3,797.00.
- (8) T-6199 - Real Property value \$6,653.00.
- (9) T-149A - Real Property value \$1,110.00.
- (10) Unnumbered shed adjacent to T-4202 in the ready Ammo area. Estimated Real Property value \$415.00.
- (11) Unnumbered shed adjacent to T-2195 - estimated Real Property value \$85.00.

v. Numerous items of minor nature such as window trim, casings, facia, backers, loose metal, damaged siding, stops loose interior lining, etc. require repair. Estimated cost \$4,500.00.

w. Total material damage to structural facilities on KAB and it's off base sites which 6313th IE contemplates repairing with it's own effort and/or overhire is \$31,759.00 labor costs for above is estimated at \$18,400.00.

x. Structural damage which 6313th IE has tentatively set up for contractual effort is estimated at \$167,250.00.

y. 10 buildings and/or miscellaneous structures have been determined a total loss. Real property value of these structures is estimated at \$28,766.92.

z. Overall structural damage to all types of structures on KAB and it's off base sites is estimated at \$226,775.92.

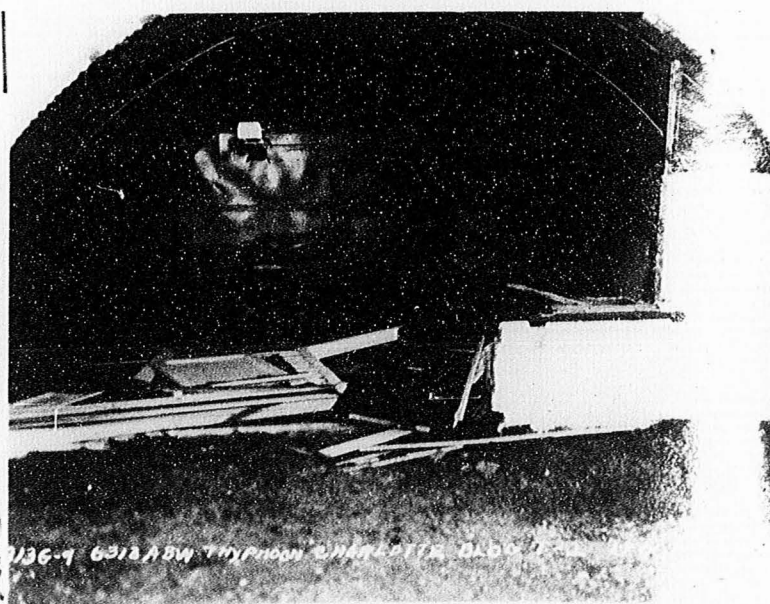
2. It is estimated that 50,000 bd. ft. of lumber will be required to replace damaged facia, trim, battens, sheathing, doors, window sash, framing, etc., in buildings on KAB and it's off base sites.

NOTE: See pictures attached.

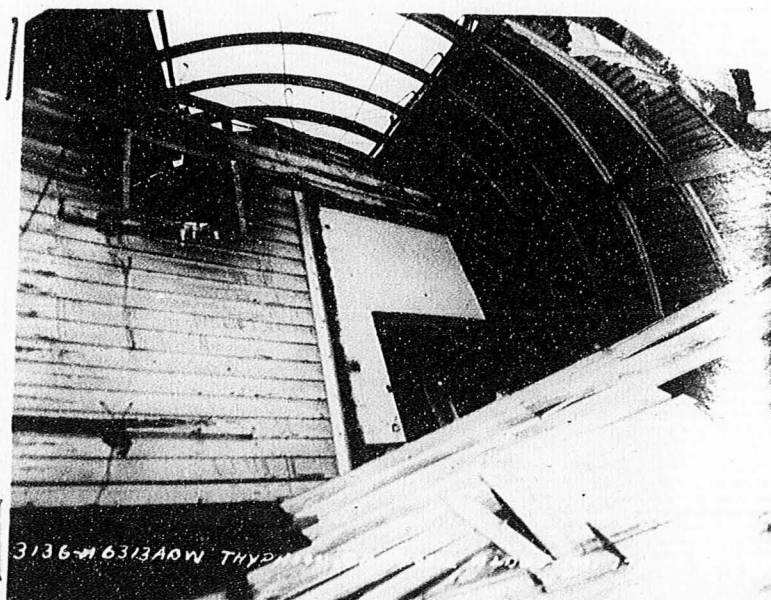
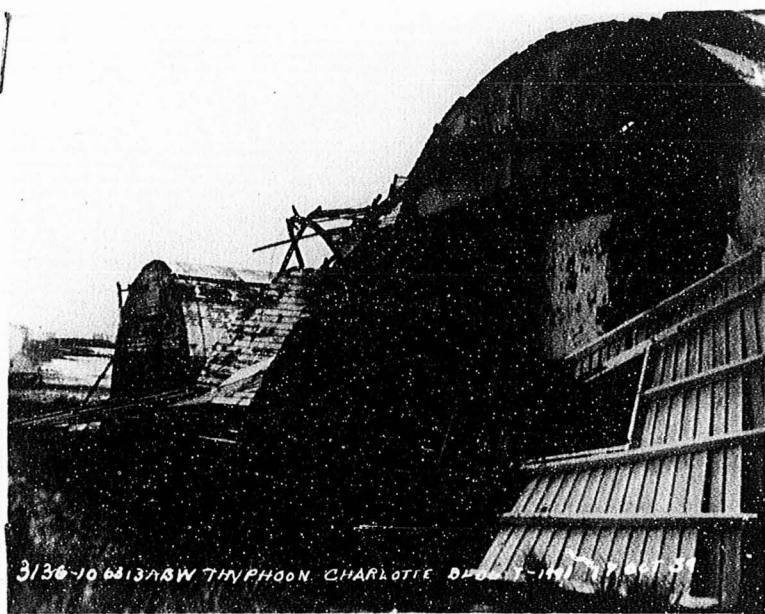


REAL ESTATE

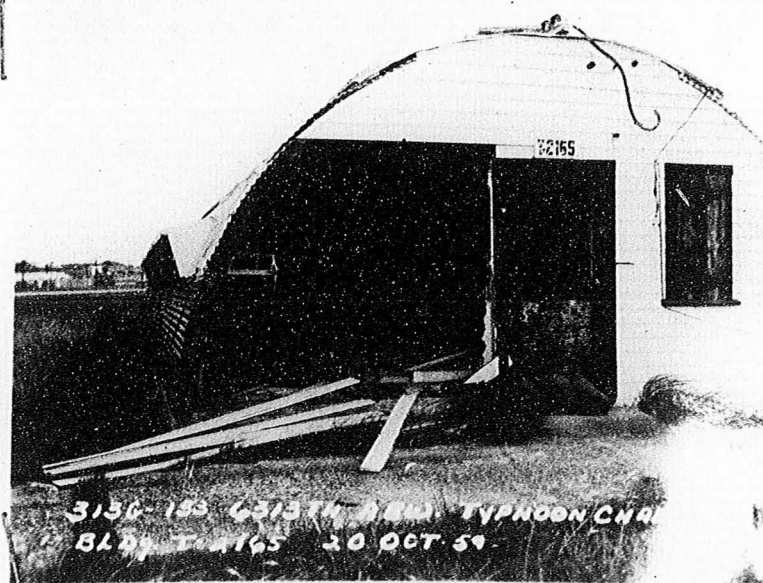
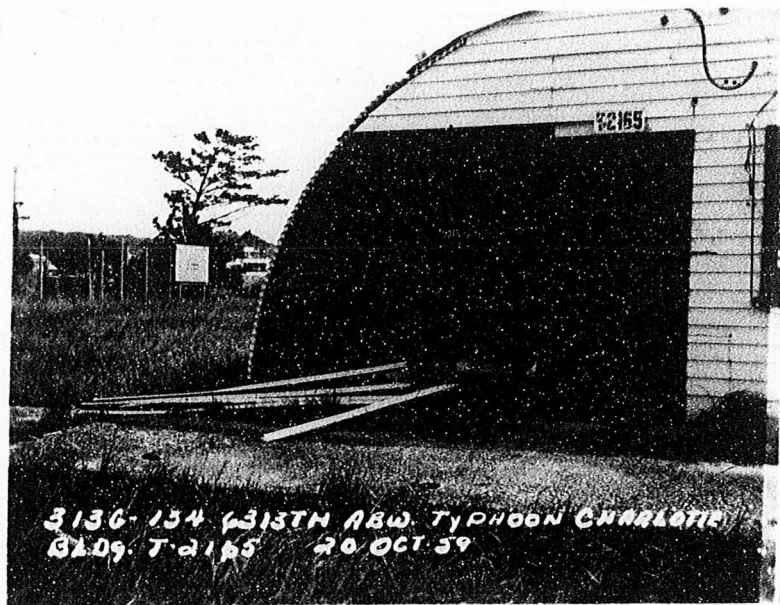
(Total Loss)

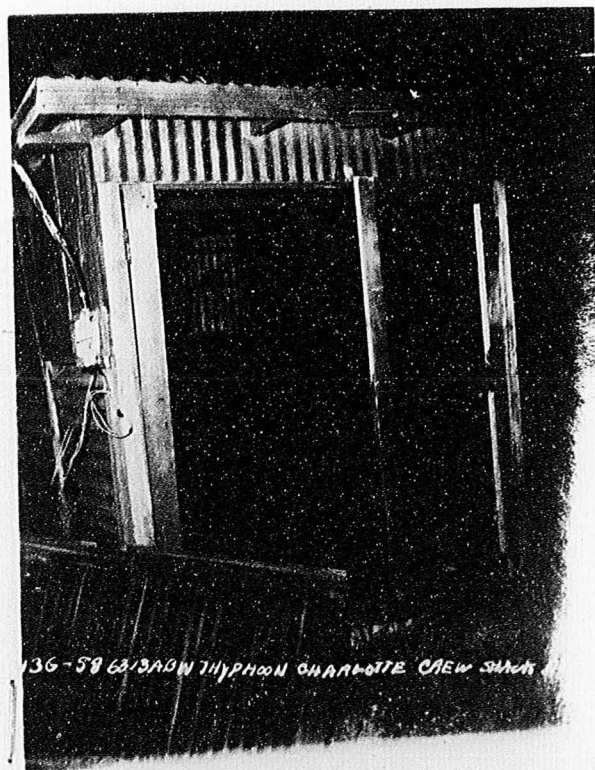
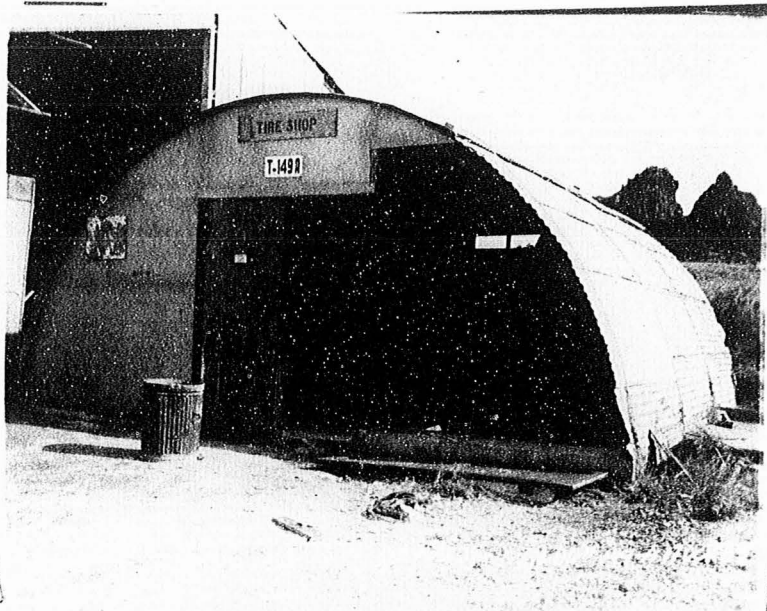








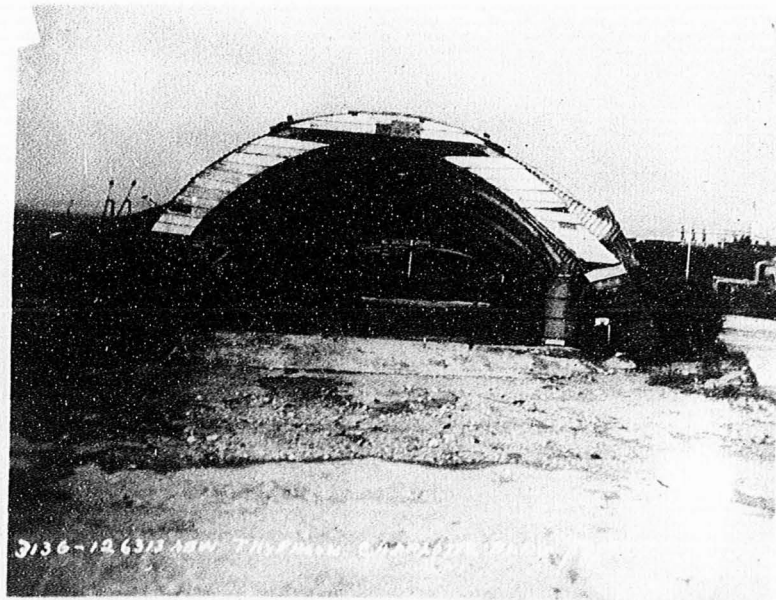
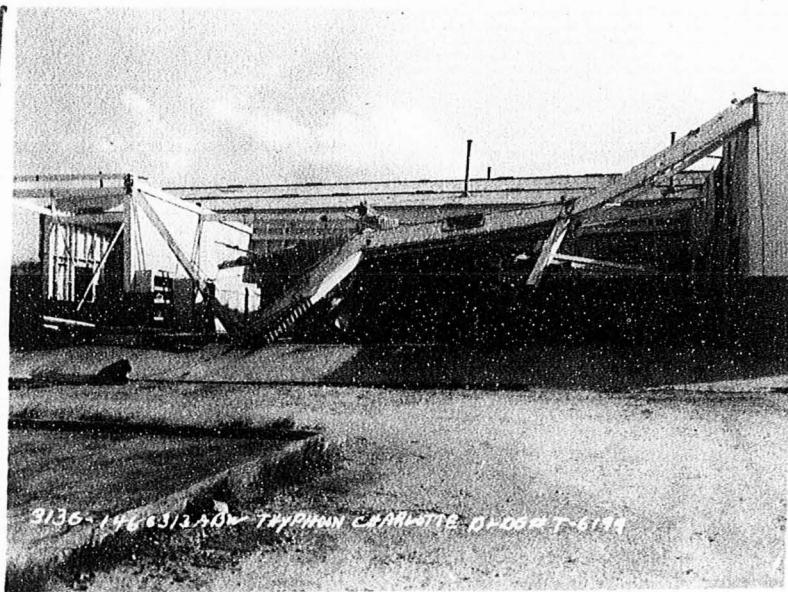


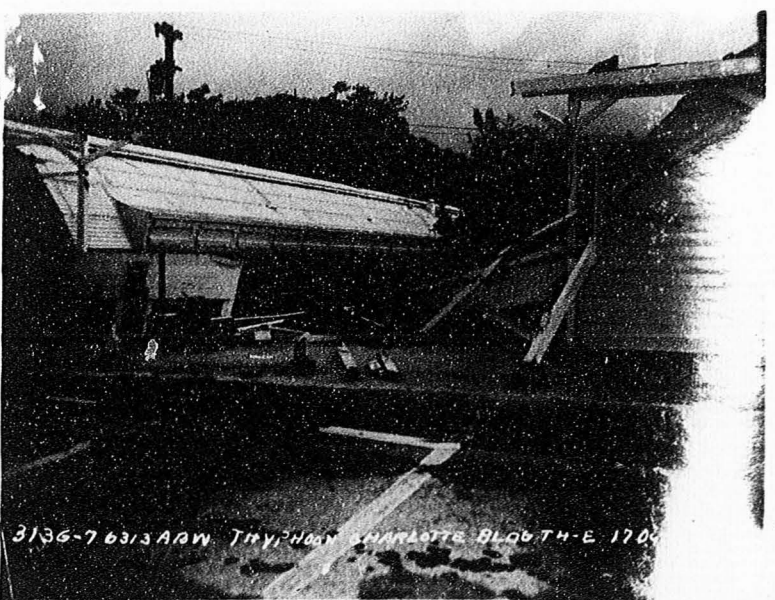
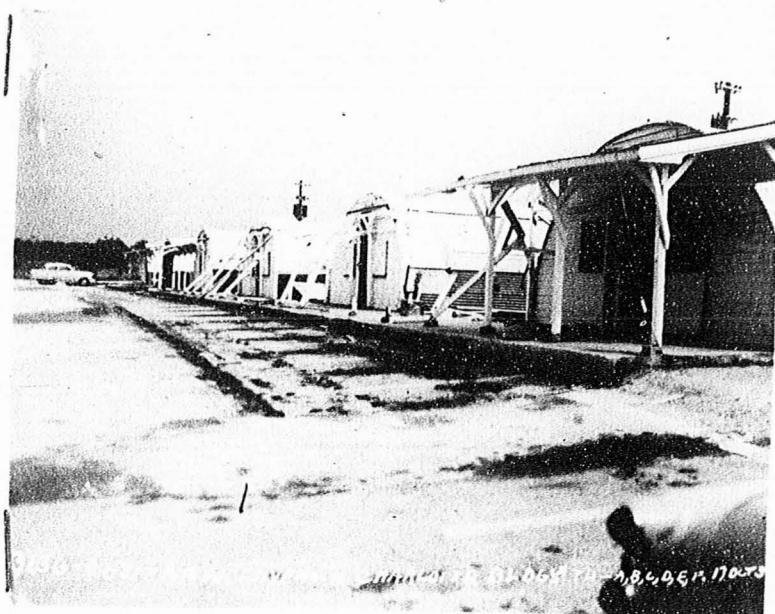


136-58 63/3ADN 711/PHOON CHARLOTTE CREW SHACK





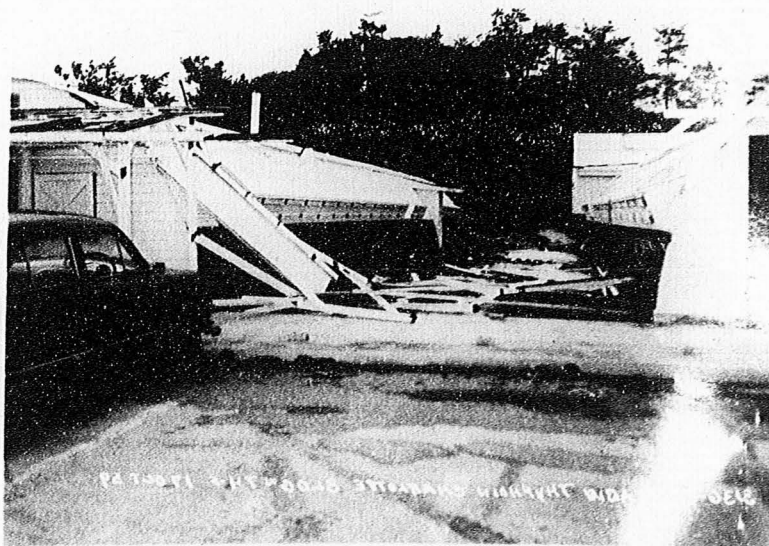




3136-7 6313 ARW TRIV. HON. CHARLOTTE BLQ 6TH-E 1700

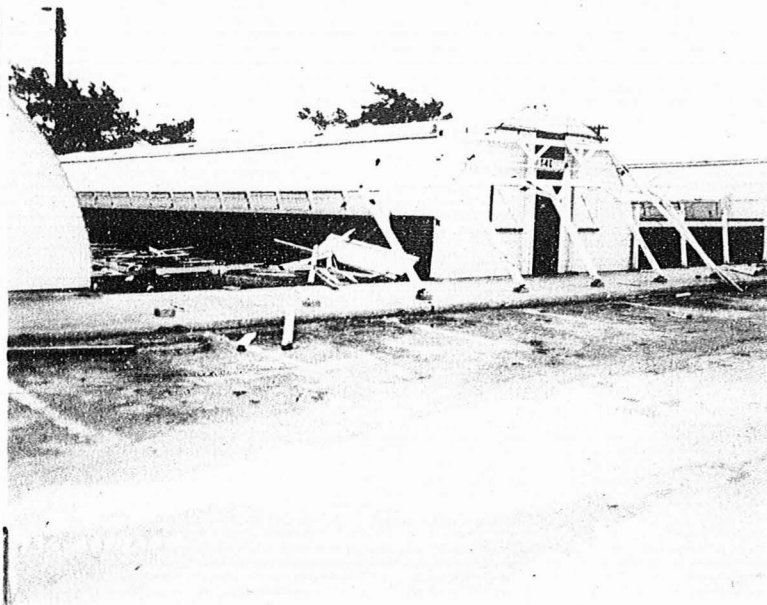


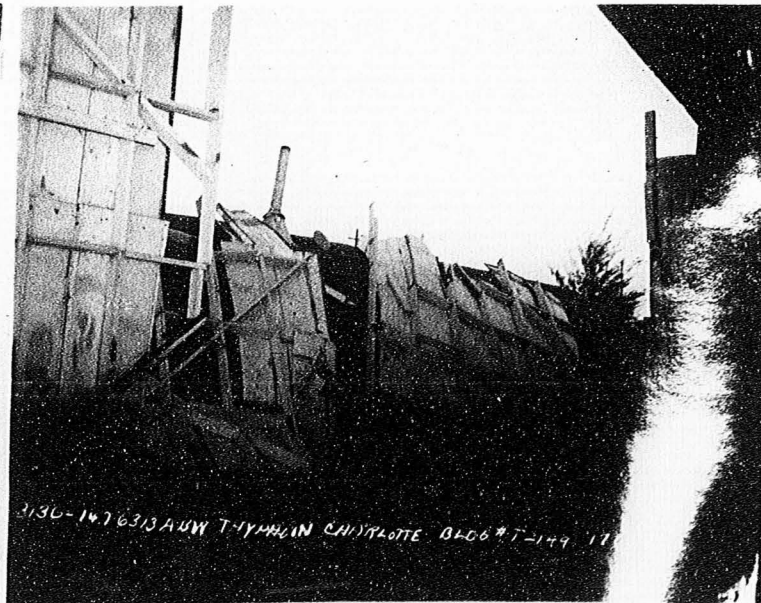
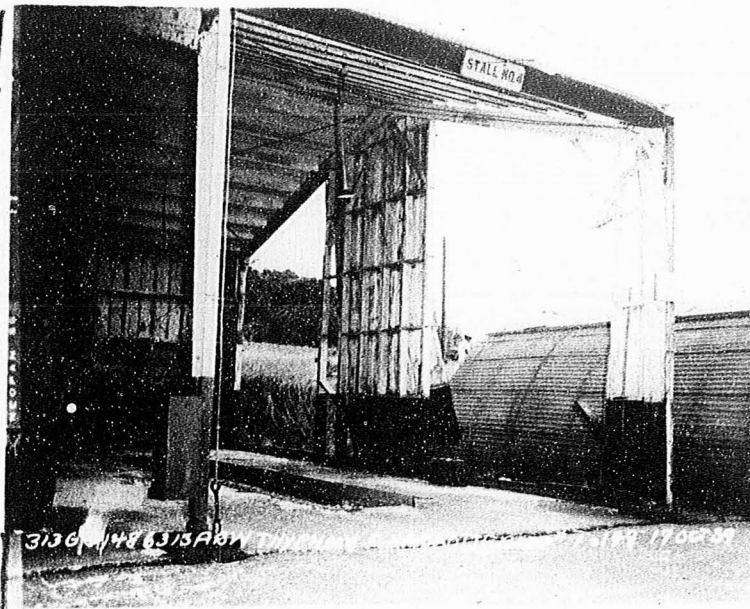
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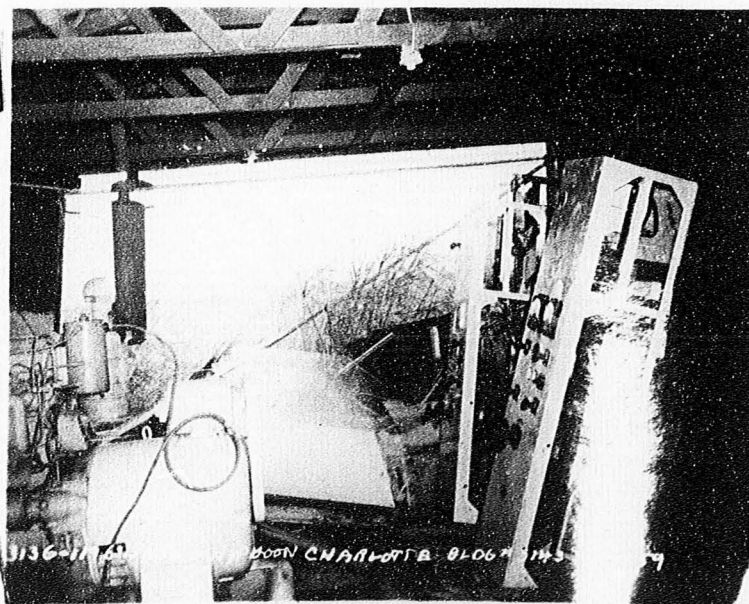
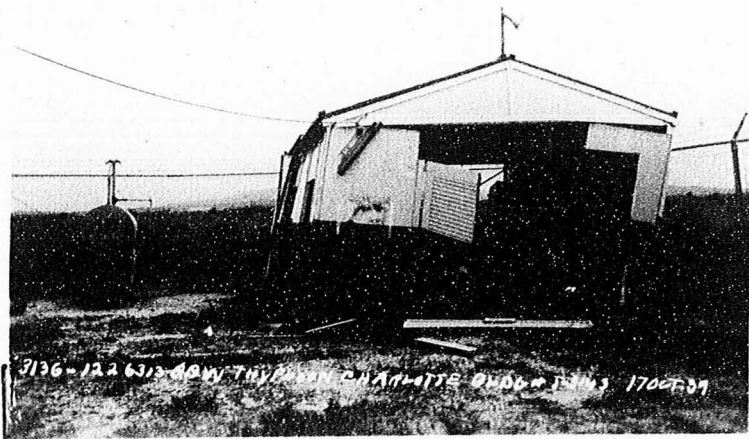


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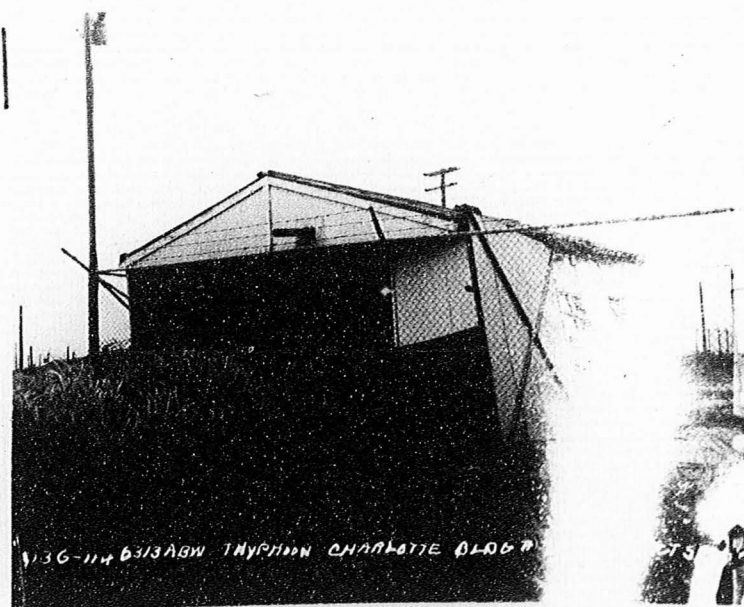
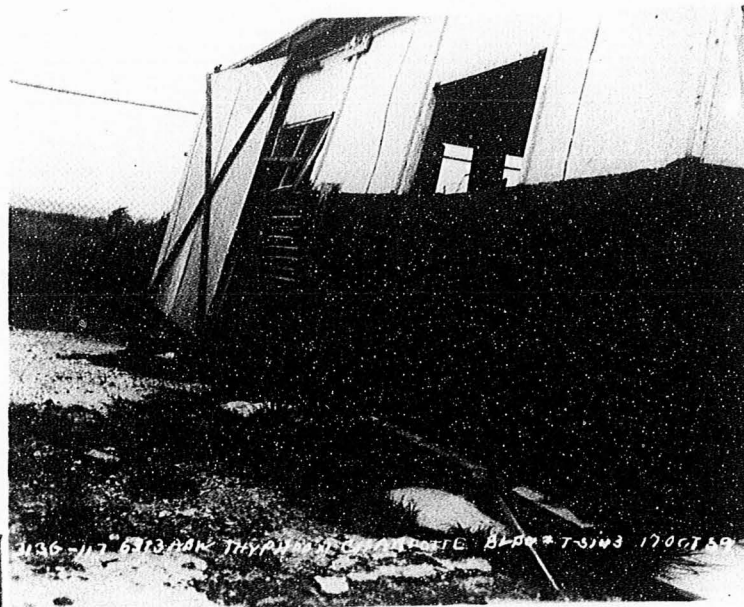












1. Utilities:

a. P.O.L.

(1) 2,880 sq. ft. of paint damaged on valve pit boxes. Estimated cost \$57.60.

(2) 9,000 sq. ft. of paint damaged on pump houses. Estimated cost \$180.00.

(3) 5,500 ft. of paint damaged on 6" and 8" pipe lines. Estimated cost \$320.00.

(4) 1,500 sq. ft. of paint damaged on fuel separators. Estimated cost \$30.00.

(5) 8,000 sq. ft. of paint damaged on above ground storage tanks. Estimated cost \$160.00.

(6) 400 ft. of 8" pipe broke loose from brackets, was repaired.

(7) Labor cost for above repair of above items is estimated at \$514.00.

(8) Total POL damage cost plus labor is \$1,261.60.

b. Water and Sewer:

(1) 100 ft. 8" pipe damaged. Estimated cost \$330.00.

(2) 36 ft. 4" pipe damaged. Estimated cost \$54.00.

(3) Labor costs for repair of pipe damage \$380.00.

(4) Total costs for water and sewer damage is estimated at \$764.00.

c. Refrigeration:

(1) 3 electric motors were burned out due to water damage. Estimated cost for repairs \$36.00.

d. Electrical (RAB and it's off base sites).

(1) 30 power poles were broken or cracked. Estimated cost of labor and materials for replacement is \$1,850.00.

(2) 175 power poles will require resetting and reguying. Estimated cost of labor and materials is \$1,050.00.

(3) 200 additional poles will require reguying. Estimated cost of labor and materials for reguying is \$1,800.00.

(4) 40 single arm and double arm cross arms were damaged or



destroyed. Estimated cost of labor and materials and replacement is \$410.00.

(5) 162 ceiling floodlights were damaged or destroyed. Estimated cost of labor and materials for replacement is \$640.00.

(6) 50 water-proof floodlights were damaged. Estimated cost of labor and materials for replacement is \$4,500.00.

(7) 20 security floodlights were damaged or destroyed. Estimated cost of labor and materials is \$1,000.00.

(8) 800 ft. of PILE #1-0, 3-0, 15,000 V lead covered cable was damaged. Estimated cost of labor and material is \$4,000.00.

(9) 250 street light and canopies were damaged or destroyed. Estimated cost of labor and materials is \$10,000.00.

(10) Five (5) street light standards were damaged beyond repair. Estimated cost of labor and materials is \$900.00.

(11) 3 (25 KVA) transformers were damaged. Estimated cost of labor and materials is \$1,260.00.

(12) 3 potheads 3 conductor, 15,000 V were destroyed cost of labor and materials for replacement is \$306.00.

(13) 30 cutouts 4,160 V were destroyed. Estimated cost of labor and materials for replacement is \$360.00.

(14) 17 cutouts 15,000 V were destroyed. Estimated cost of labor and materials for replacement is \$529.00.

(15) 46 transformer house doors and louvers were damaged or destroyed. Estimated cost of labor and materials for repair and/or replacement is \$3,400.00.

(16) 24,000 lin. ft. of underground street light cable was damaged by water. Estimated cost of labor and materials is \$73,000.00.

(17) 110,000 lin. ft. of secondary overhead lines will require replacement. Estimated cost for labor and materials is \$6,600.00.

(18) 138 cutouts 15,000 V (indoor) show evidence of damage and will require replacement with outdoor type. Estimated cost of labor and materials is \$6,800.00.

(19) 32 lightning arrestors were destroyed. Estimated cost of labor and materials for replacement is \$1,184.00.

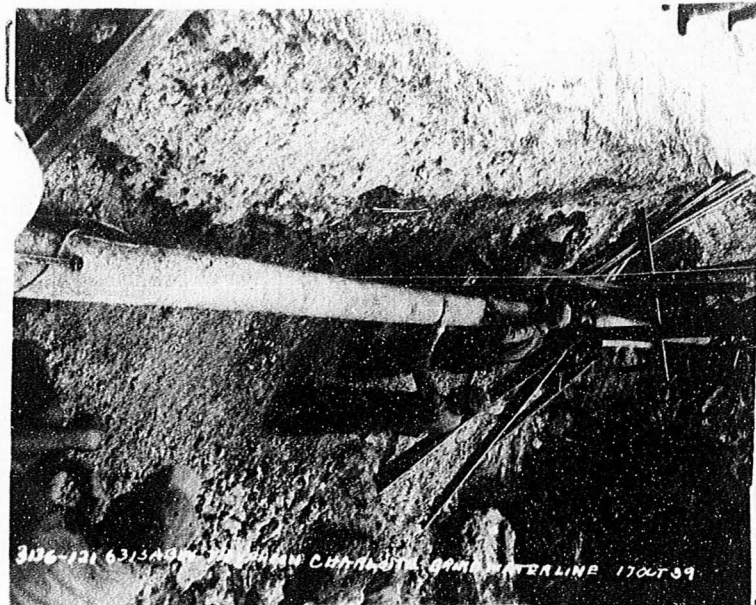
(20) 89 exterior light fixtures were damaged or destroyed. Estimated cost of labor and materials for replacement is \$623.00.

(21) Total cost of electrical damage is \$120,947.00.



WATER LINE DAMAGE AND REPAIRS

(Morgan Manor)

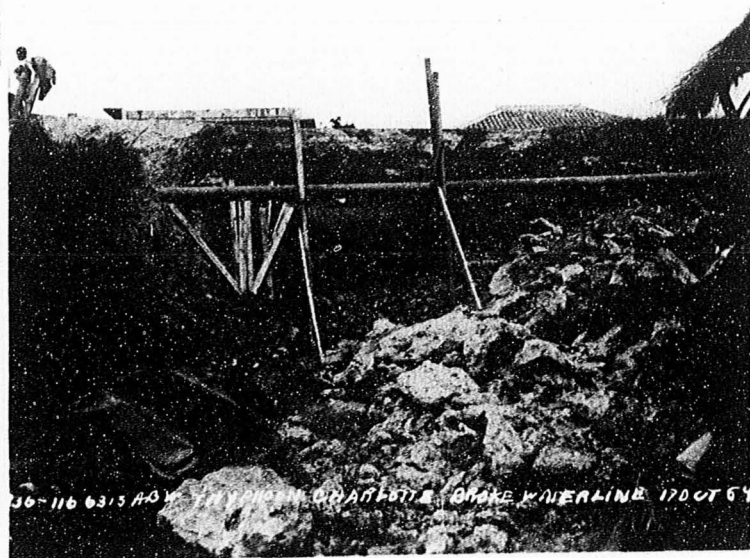


3156-131 6313 AGN THURPHON CHARLOTTE BRIDGE INTERLINE 1700T39



3156-115 6313 AGN THURPHON CHARLOTTE BRIDGE INTERLINE 1700T39





36-116 6313 ADV THYPHON CHATLSTIE CRANE KVERLINE 1700T54

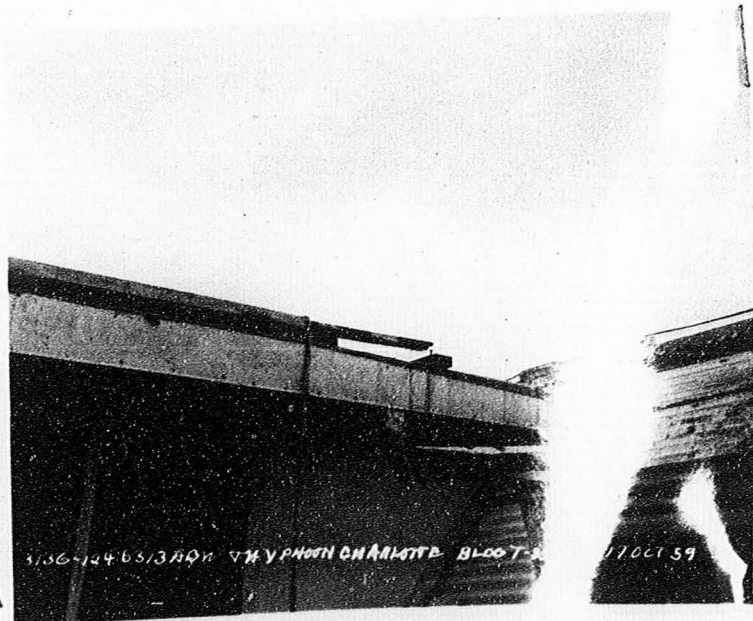


3136-116 6313 ADV THYPHON CHATLSTIE CRANE WATER

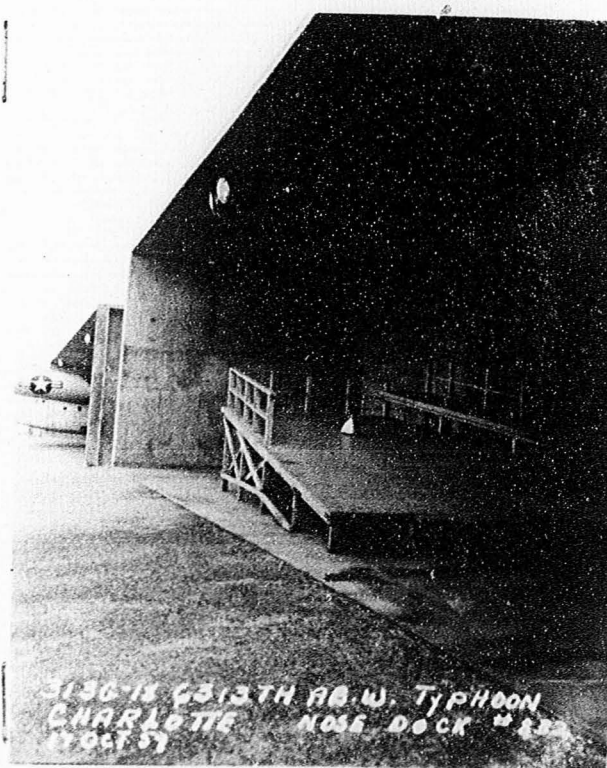
139



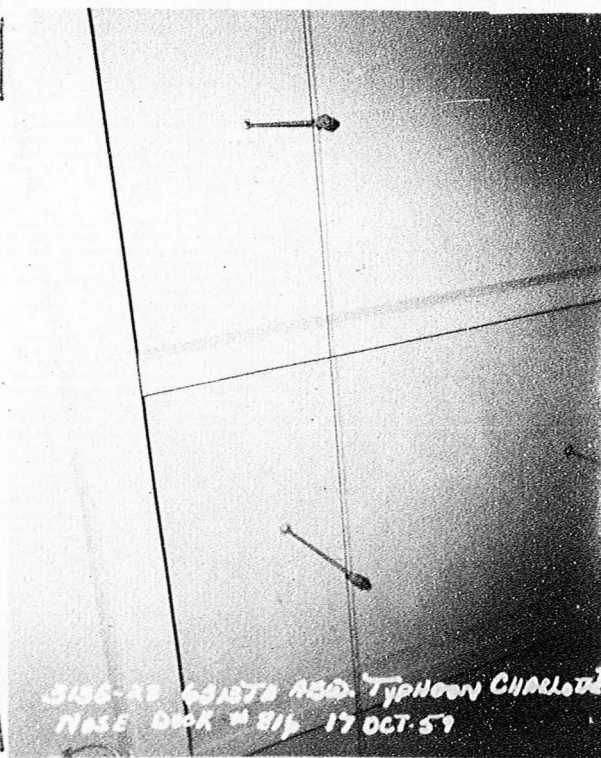
ELECTRICAL DAMAGE ON KADENA

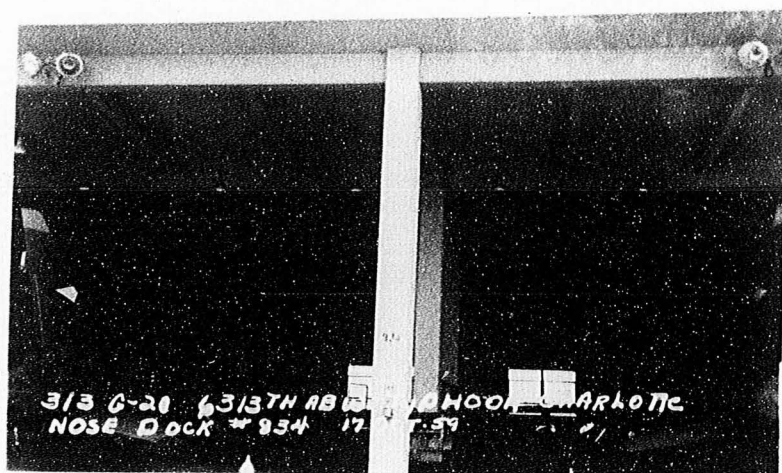


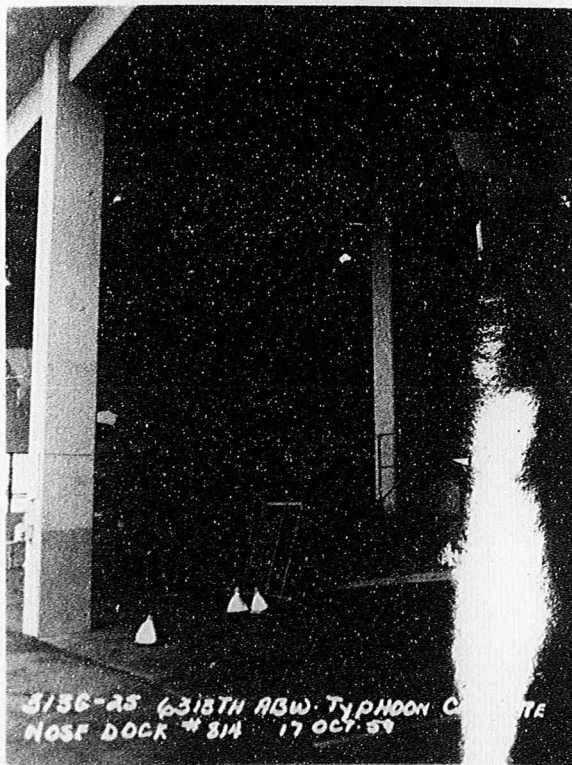




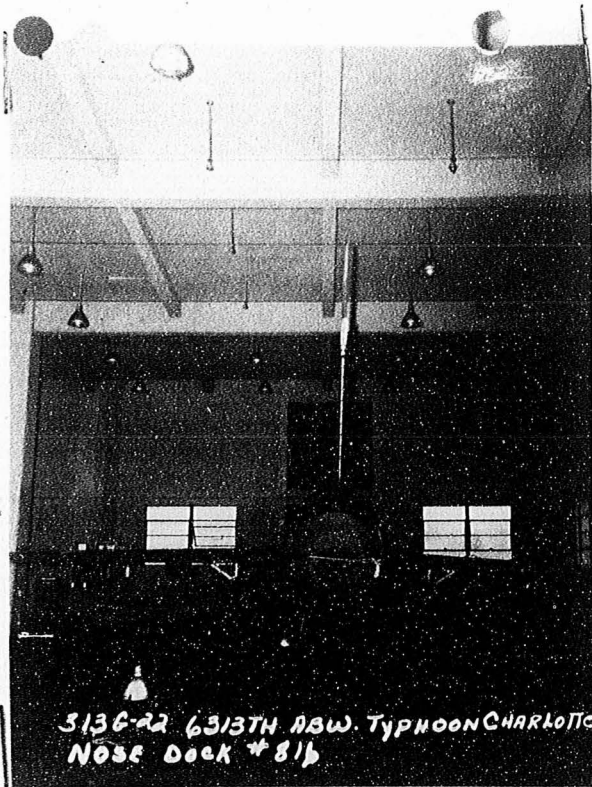


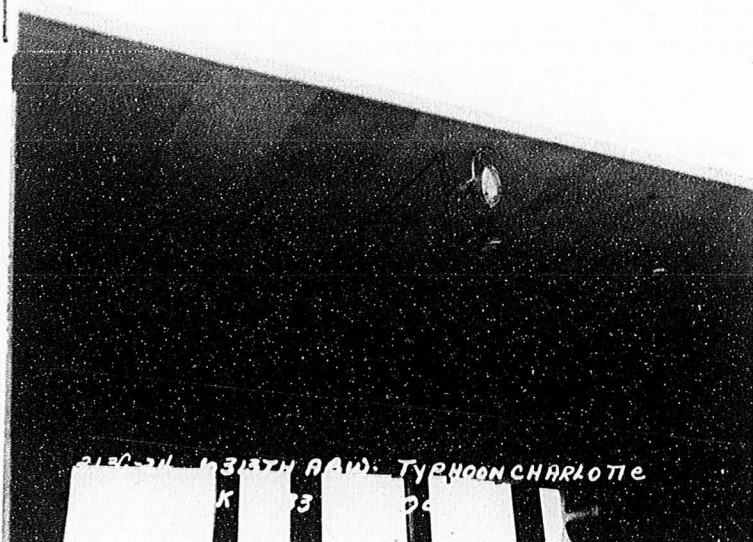


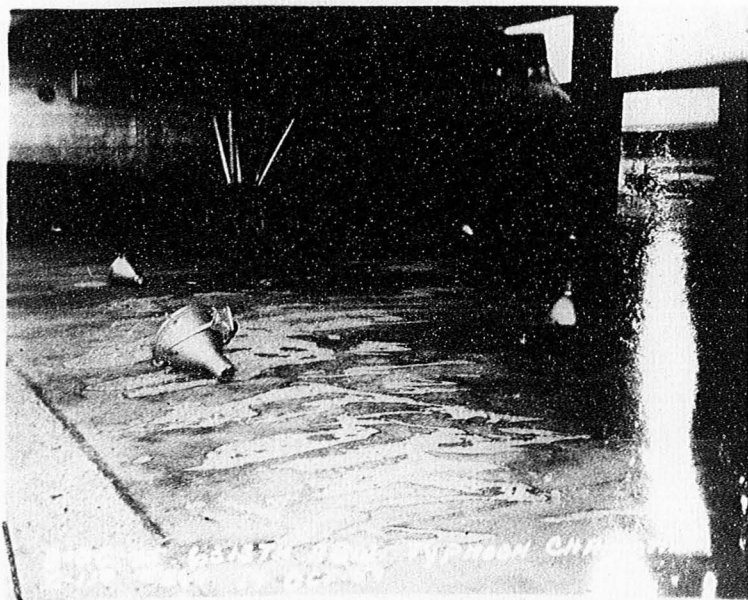
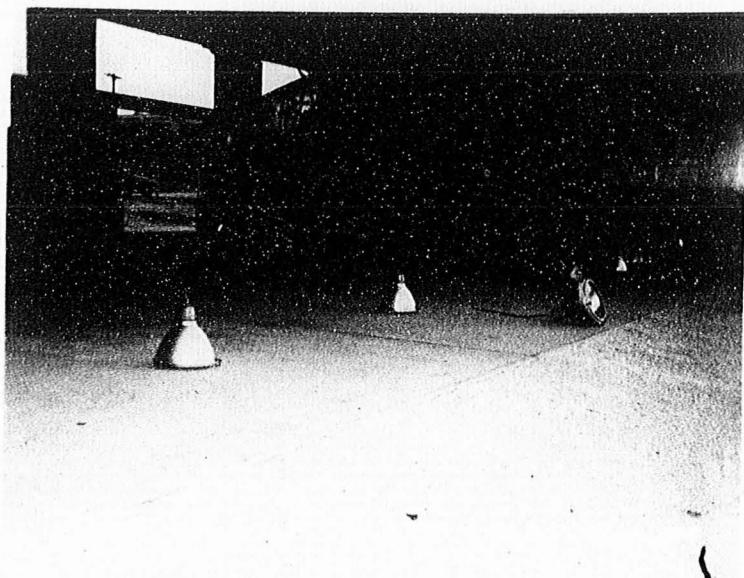








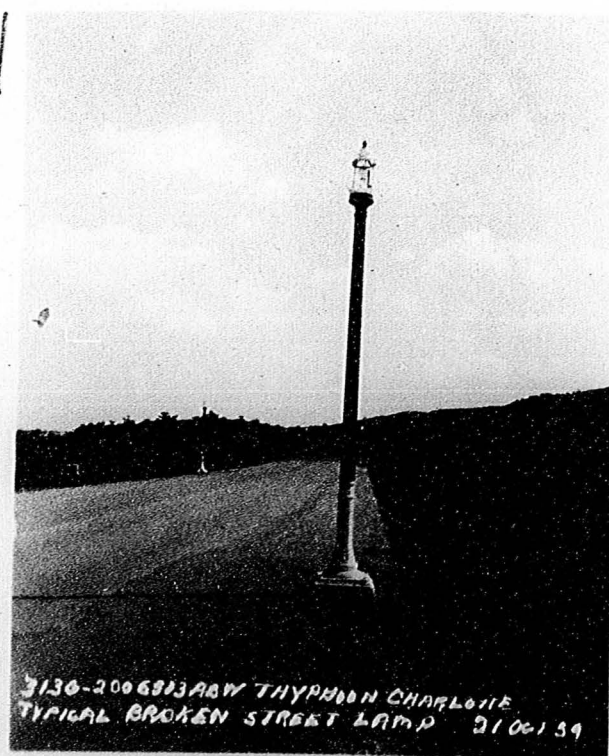


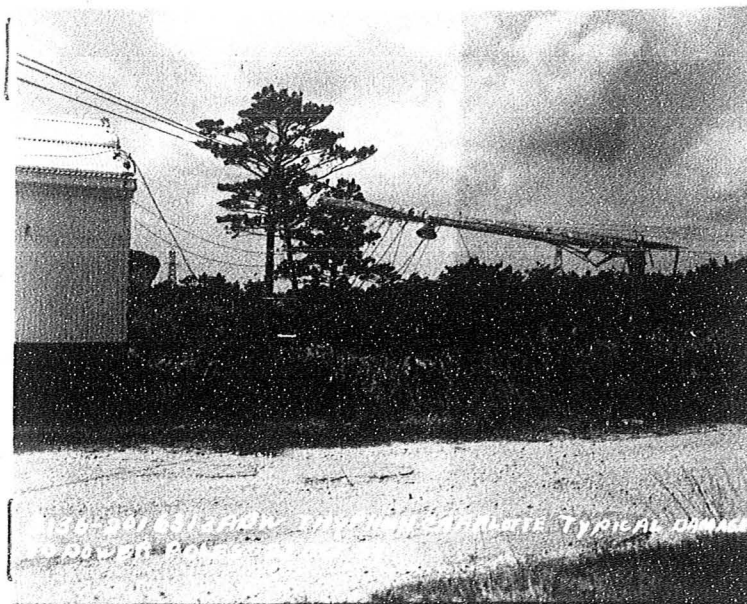


Nose Dock - 6313th Operations Squadron

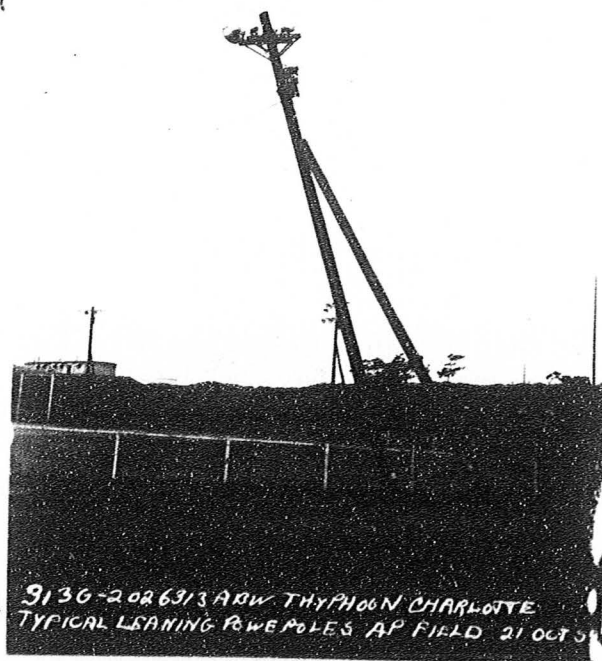


TYPICAL ELECTRICAL DAMAGE KADENA





9136-20263/3 ARW THYPHOON CHARLOTTE TYPICAL DAMAGE

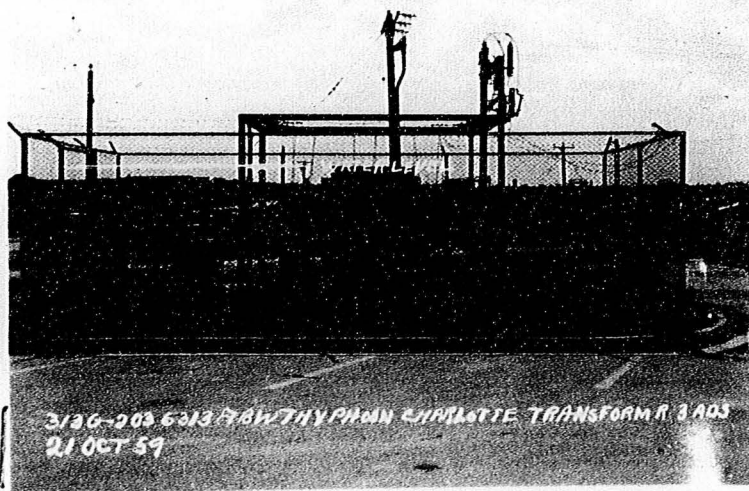


9136-20263/3 ARW THYPHOON CHARLOTTE  
TYPICAL LEANING RWE POLES AP FIELD 21 OCT 51



ELECTRICAL DAMAGE AT 12TH ADS

NOTE: High Water Line.



3136-903 6313 761274 PNN CHARLOTTE TRANSFORM R 3 A03  
21 OCT 59



1. Erosion, Fencing and Signs:

a. There are 56 separate areas in the Line Ordnance area (old 546th area) at which either landslides, washouts and/or fence damage occurred. Total estimate for materials and labor is estimated at \$80,000.00.

b. Erosion damage on KAB was in 4 areas, this includes the large drainage ditch, part of which runs through the Golf course. Estimated damage is \$30,000.00.

c. Damage in the 7th TDS and 12th ADS areas amounted to \$11,200.00.

d. Repairing and painting of fences on Kadana Air Base and it's off base sites is estimated at \$20,000.00.

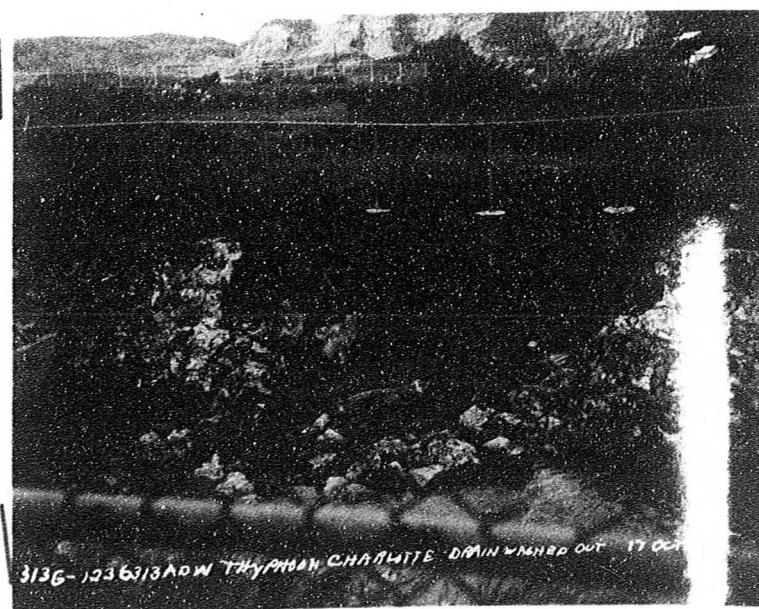
e. Repainting of signs (all types) which were damaged is estimated to cost \$1,000.00.

f. Total Damage costs for erosion, fencing and signs including labor is estimated at \$132,000.00.

NOTE: See pictures attached.



EROSION ON KADENA





3136-49631340N THYDHOON CHAHLATE WASHADOUT 1940 1700T



EROSION AT 546 TH

(Line Ordnance)

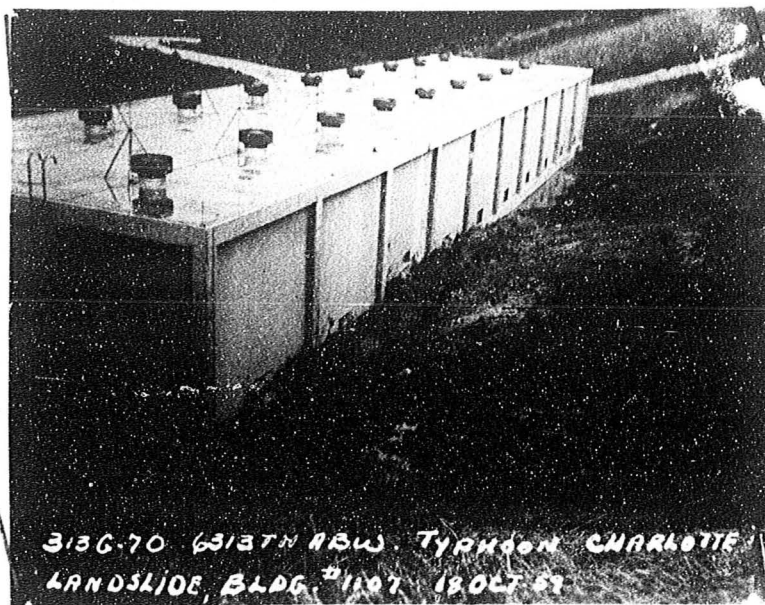


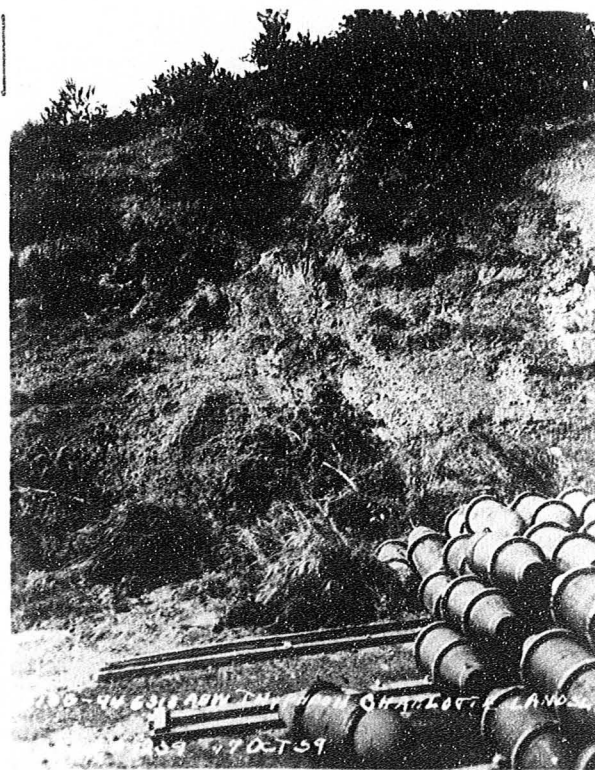
306-1976513 PAV. TYPHOON CHARLITE EROSION  
21 OCT 68

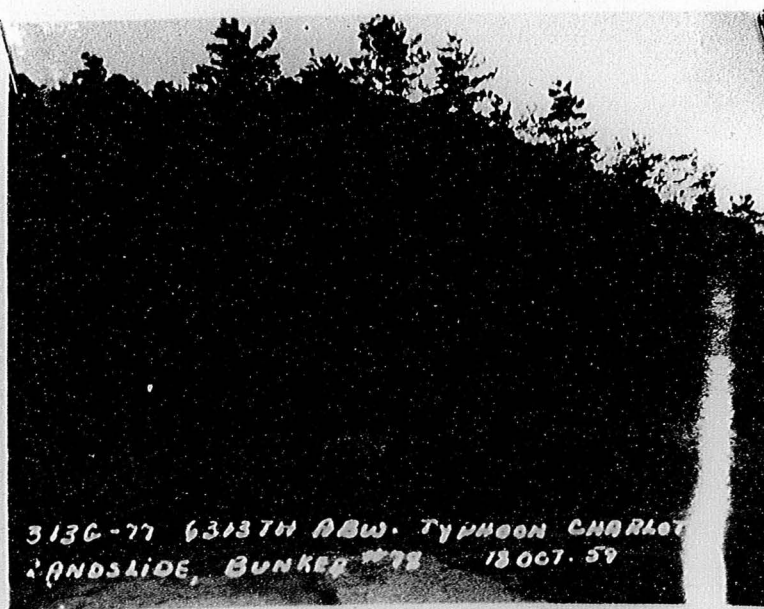








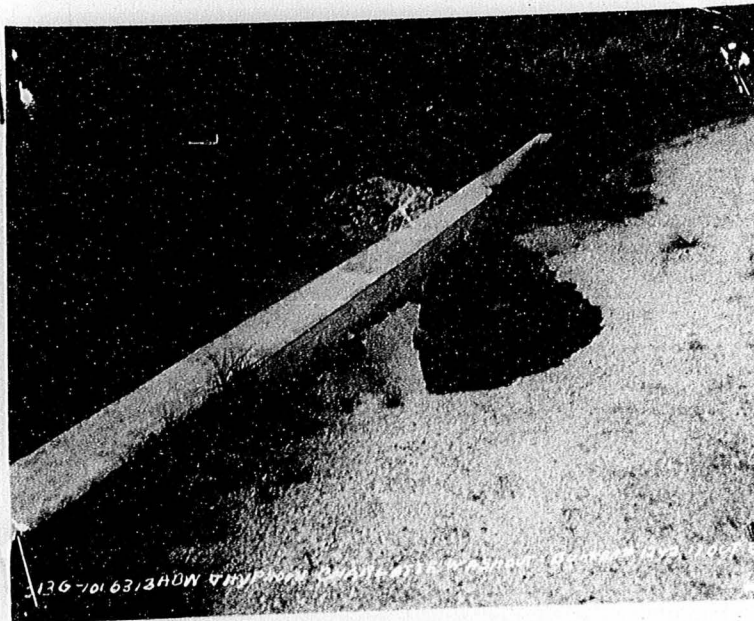




3136-77 6313TH ABW. TYPHOON CHARLOT  
LANDSLIDE, BUNKER #78 18 OCT. 59





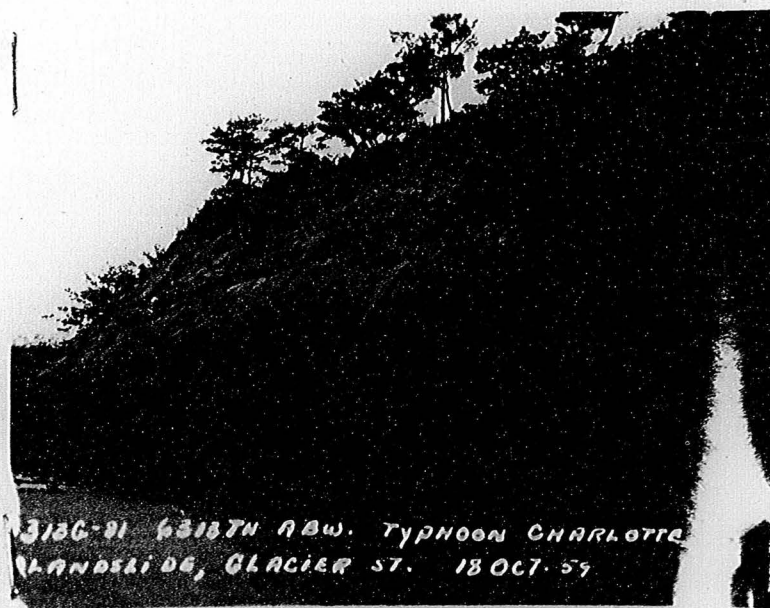








3156-95 635TH AFW. TYPHOON CHARLOTTE  
LANDSIDE, 14 OCT. 18 OCT. 59



3156-91 6318TH AFW. TYPHOON CHARLOTTE  
LANDSIDE, GLACIER ST. 18 OCT. 59



3136-34 6515TH AVE. TYRONH CHILLO  
LANDSLIDE, GARDIN ST. 12 OCT 57







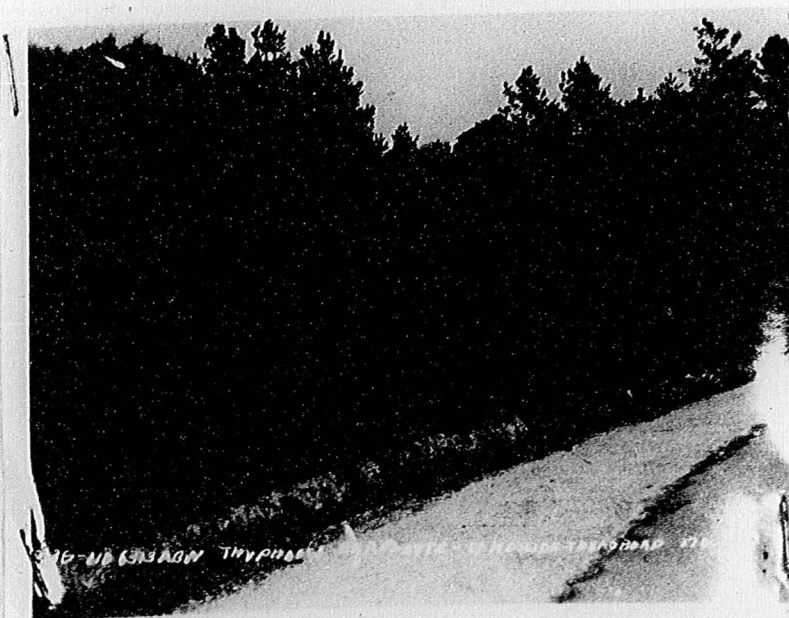
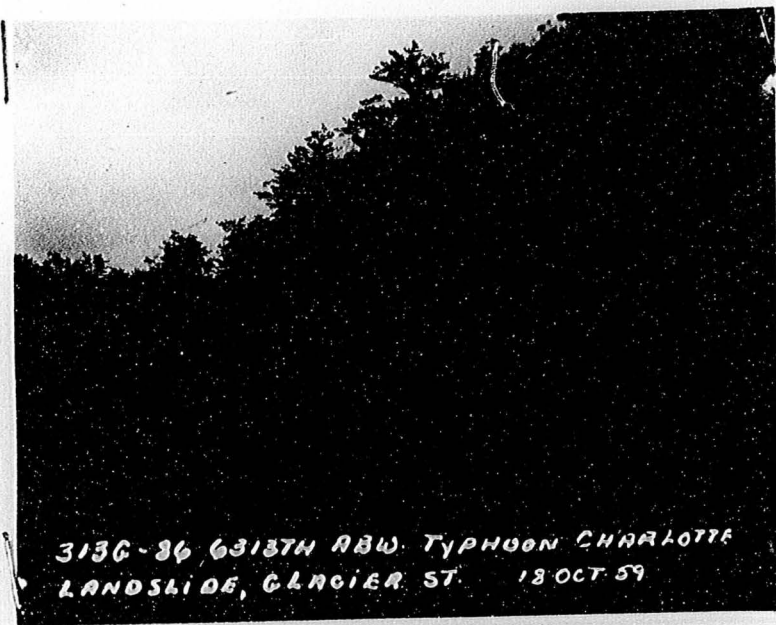




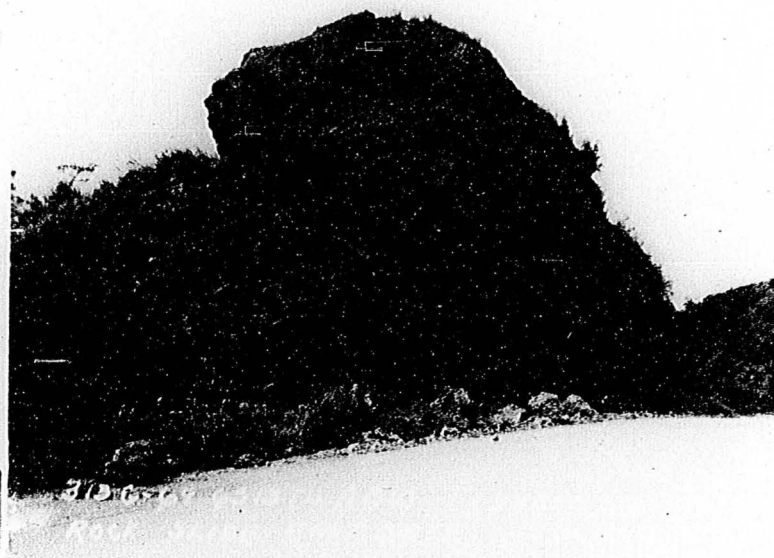
3136-1026313 ADW. TYANBOON CHARLOTTE WASHOUT. BUCKER# 1041 17 OCT 5



3136-82 6313TH ABW. TYANBOON CHARLOTTE  
LANDSLIDE, GLACIER ST. 12 OCT 5







135-1046313-01W THURSDAY SEPTEMBER 1956 1704157



336-486313 A6N-3, 100 FT. SANDY BEACH, N. H. 17 OCT 59



336-486313 A6N-3, 100 FT. SANDY BEACH, N. H. 17 OCT 59

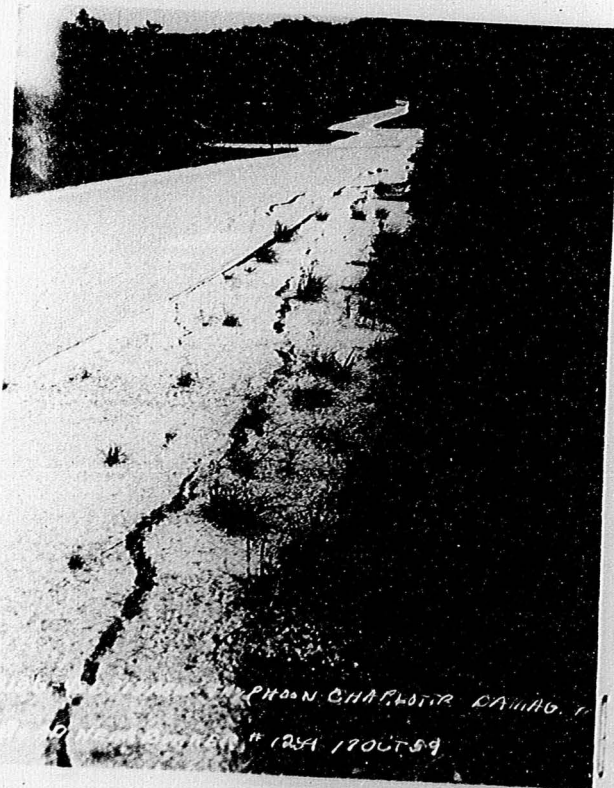




3180-91 4518th HOLE TYPHOON CHANNEL  
CARROLLTON, TEXAS CO. 13 OCT. 59









3136-10763/340-1111 TYPHOON DAMAGE NEAR BLDG. 17 OCT 57



3136-10763/340-1111 TYPHOON DAMAGE  
ROAD DAMAGE NEAR BLDG. 17 OCT 57



EROSION AT 7TH TDS









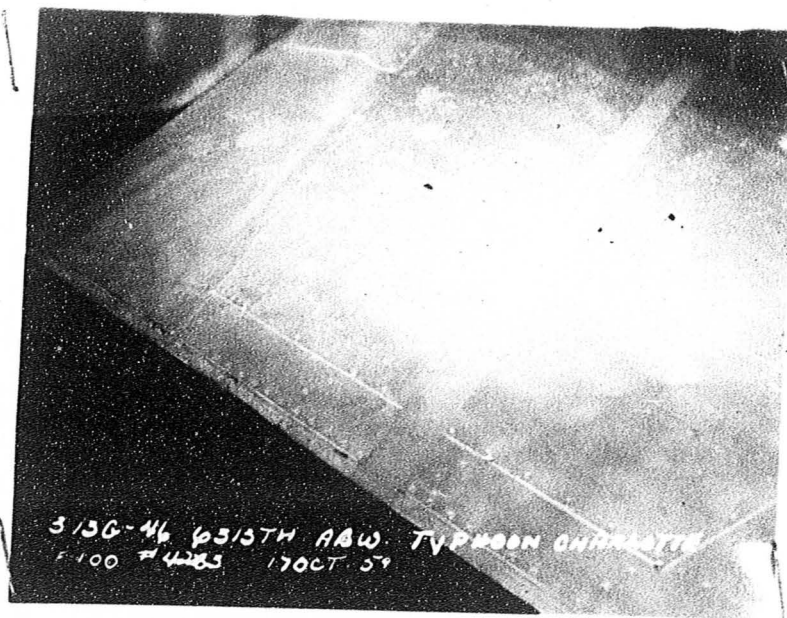
3136-1786313 ADW THYPHOON CHARLOTTE EROSION 7 PD  
21 OCT 69

A I R C R A F T

Aircraft #54-2283

- a. 12th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOD - 54-2283.
- c. Small hole in right hand horizontal stabilizer. Damage caused by overhead lights falling on A/C. Sheetmetal can repair stabilizer. A/C was in Nose Dock #3.
- d. Estimated 15 manhours required to repair and replace.
- e. N/A.





313G-46 6313TH ABW TVP 200N CHARLOTTE  
F100 #4283 17 OCT 59

Aircraft - FLOOD - 54-2283 - 12th TFS

Aircraft #563283

- a. 12th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOD 56-3283.
- c. Small hole in trailing edge of right flap. Hole can be patched. A/C was in Nose Dock #1 - Overhead light fell on A/C.
- d. Estimated 1 manhour required to repair.
- e. N/A.



G-486313ABW THYPHOON CHARLOTTE NC#53649 17 OCT 59



Aircraft #56-3287

- a. 12th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOD - 56-3287
- c. Left aileron inboard trailing edge dented. Replace trailing edge. A/C was in Nose Dock #3 - overhead light fell on A/C.
- d. Estimated 8 manhours required to repair and replace.
- e. N/A.

NOTE: No pictures were taken of subject damage.

Aircraft #56-3285

- a. 44th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOD 56-3285.
- c. Hole in horizontal stabilizer.
- d. Estimated 12 manhours required to repair.
- e. N/A.





Aircraft - FLOOD - 56-3285 - 44th TFS



Aircraft #55-3649

- a. 14th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOR 55-3649.
- c. Aileron damaged.
- d. Estimated 8 manhours required to repair.
- e. N/A.



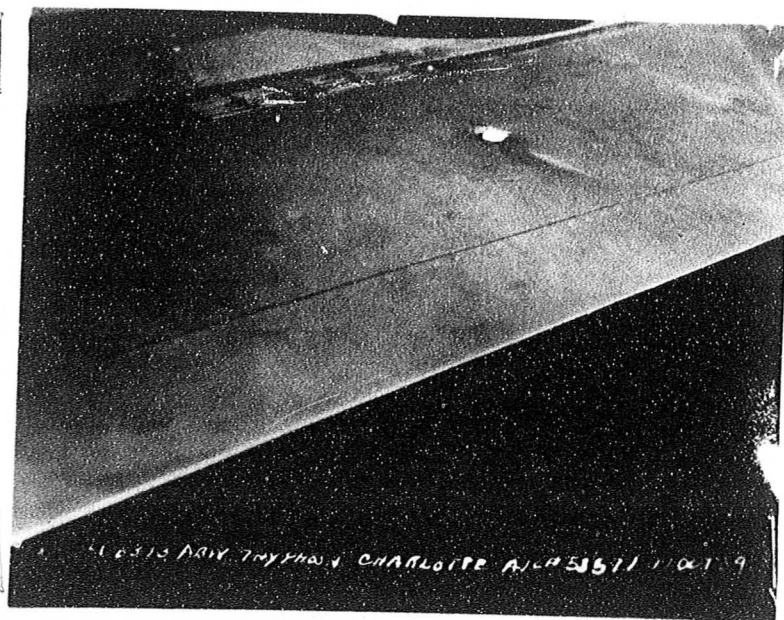
60 US13 ABW THY MOON CHARLOTTE ALA 1000 17 11 61



Aircraft #55-3571

- a. 67th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOD 55-3571.
- c. Left aileron damage. Aileron change in accordance with T.O. 1F-100D-3.
- d. Estimated 1 manhour required to replace.
- e. N/A.





Aircraft - FLOOD - 553571 - 67th TFS

Aircraft #55-3591

- a. 67th Tactical Fighter Squadron, 18th Tac Ftr Wg, APO 239.
- b. FLOOD 55-3591
- c. Wing Tip repair.
- d. Estimated 25 manhours required to repair.
- e. N/A.

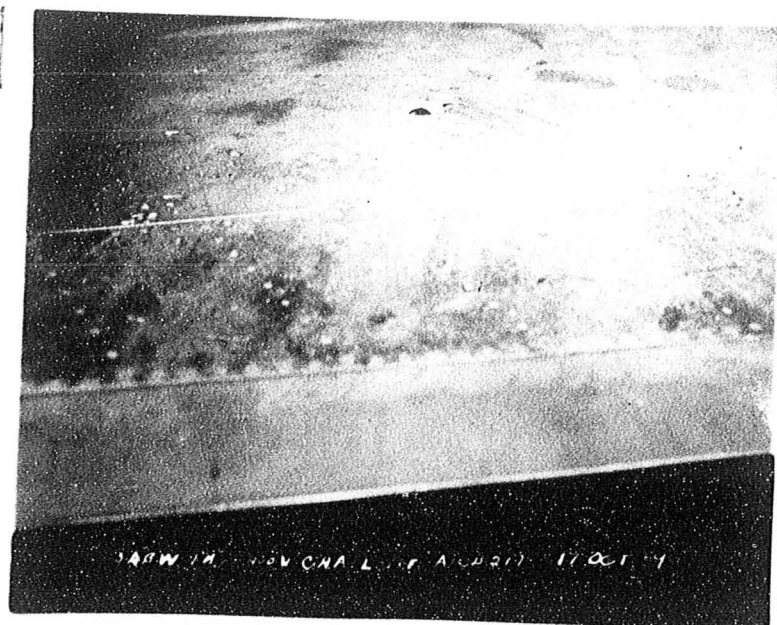
NOTE: No pictures were taken of subject damage.



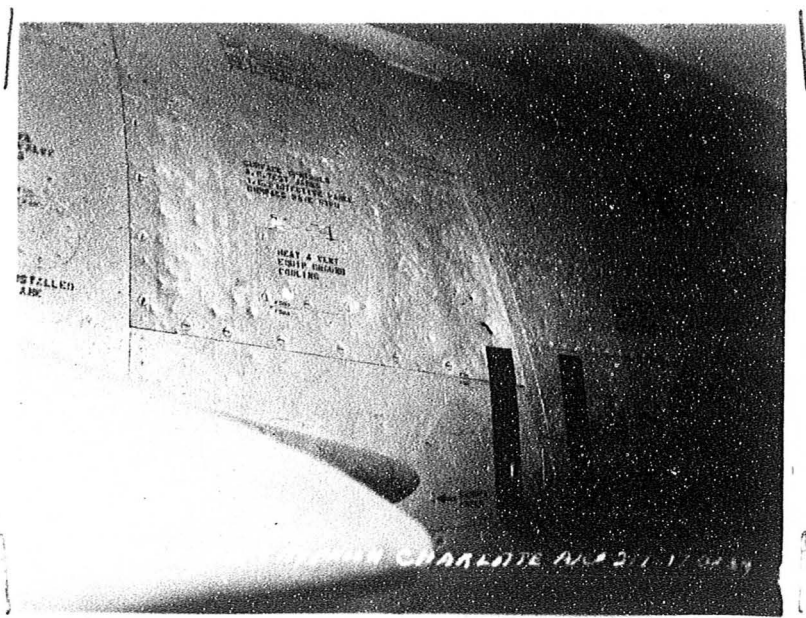
Aircraft #58-1217

- a. 35th Tactical Fighter Squadron, Itazuke, Japan.
- b. FLOOR 58-1217.
- c. Canopy and fuselage damage.
- d. Estimated 64 manhours required to repair and replace.
- e. N/A.





Aircraft - F100F - 58-1217 - 35th TFS - Itazuke



Aircraft #55-3582

- a. 35th Tactical Fighter Squadron, Itazuke.
- b. FLOOD 55-3582.
- c. Damaged Boom and Vertical Stabilizer.
- d. Estimated 4 manhours to replace and repair.
- e. N/A.





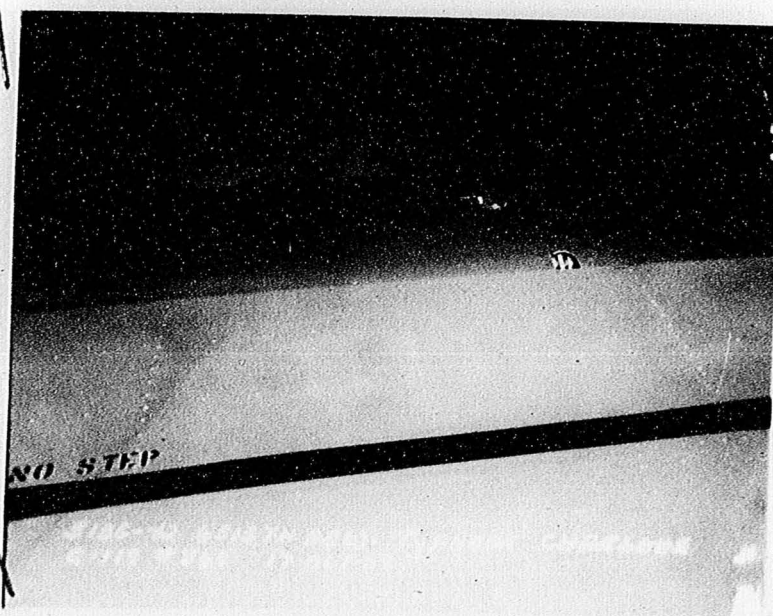
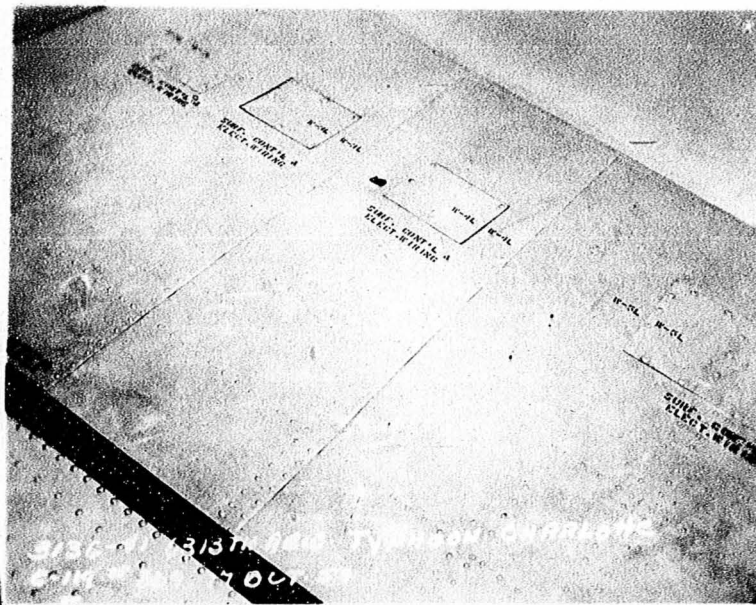
54.6413 ADW THYRONOIN CARLISLE AFB PW 582 17 OCT 69

Aircraft - FLOOD - 553582 - 35th TFS, Itazuke

Aircraft # 53-7869

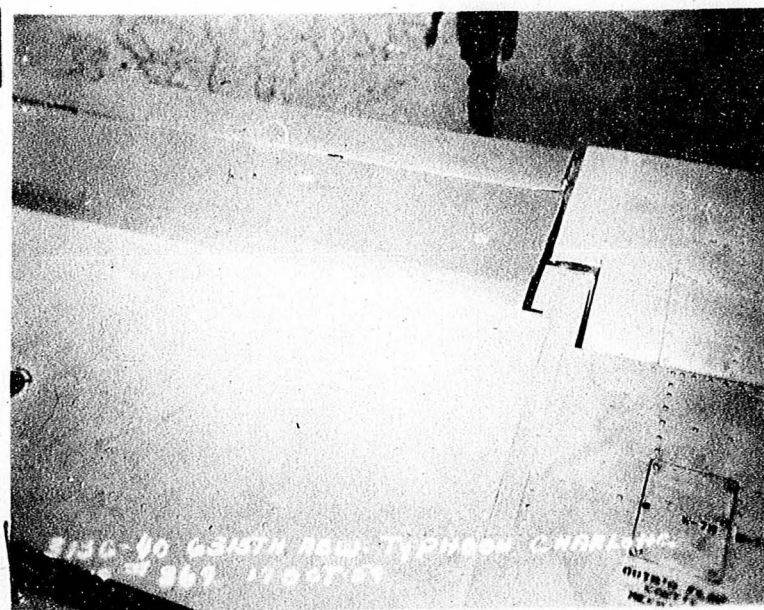
- a. 6313th Operations Squadron, APO 239
- b. C-119, 6, SN 53-7869.
- c. Two small holes in skin left and right wing; three holes in fabric surfaces IAR Aileron; left flitner tab damaged; controls require re-rigging.
- d. Estimated 75 manhours to repair damages.
- e. N/A





Aircraft - C-1196 - 53-7869 - 6313th Operations Squadron

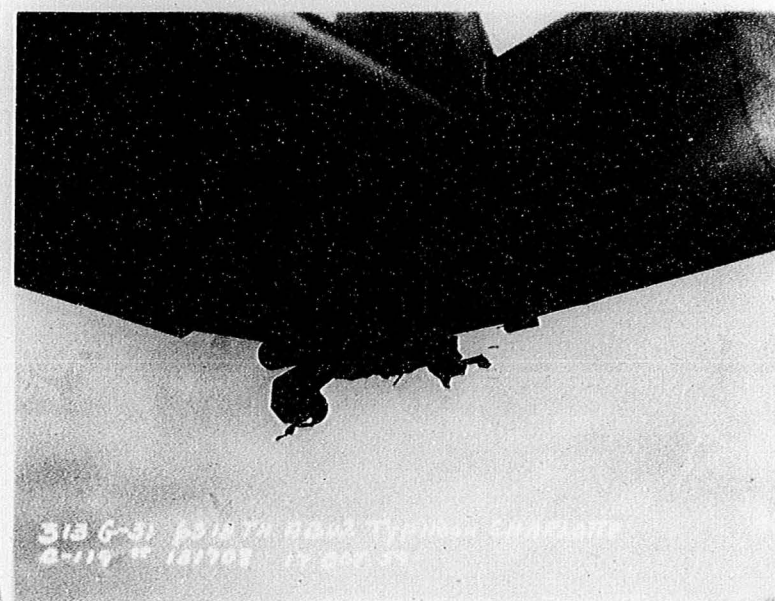




Aircraft # 131708

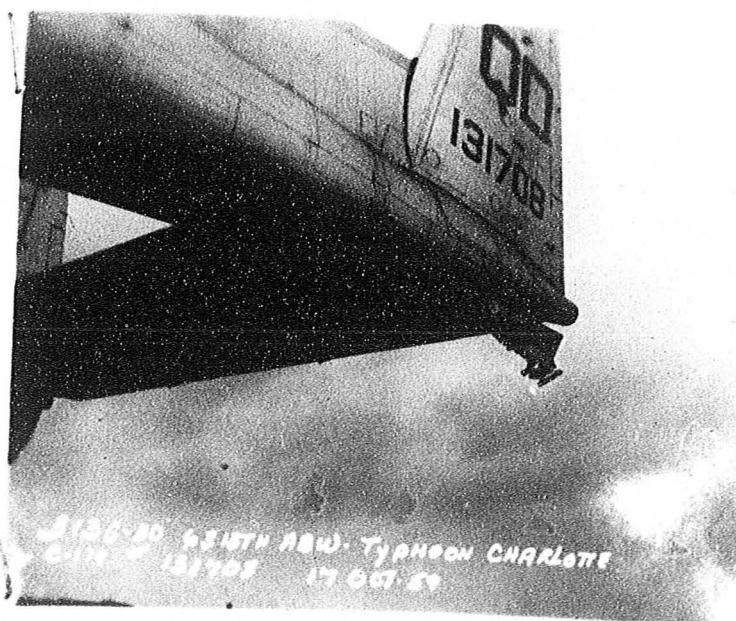
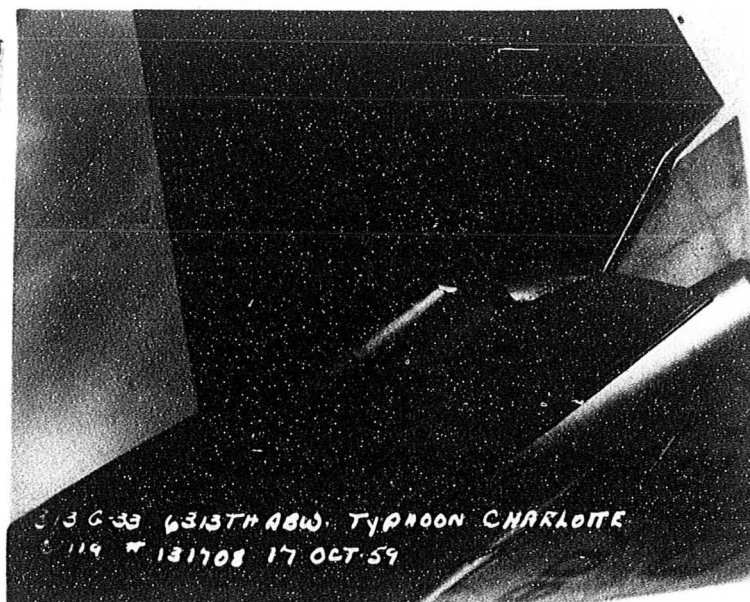
- a. WMR 253 attached to MWSG 17, Iwakuni, Japan.
- b. RHQ-2, SN131708.
- c. Lower left dorsal fin sustained extensive damage. Skin damage to under portion of left boom. Right lower dorsal fin sustained dents.
- d. Estimated 250 manhours required to replace and repair.
- e. N/A





Aircraft - RHQ-2 - 131708 - VMP 253 - MWSG 17 Iwakuni





R A D A R   A N D   R A D A R   E Q U I P M E N T

TAB 4

The 1962d AACG Group (MATS) submitted a negative report  
on Typhoon "Charlotte" damage to Radar Equipment.



COMMUNICATIONS  
EQIPMENT

5

Damage to Communications Equipment:

a. 1962d AAC3 Group.

b. Equipment by type and nomenclature:

- (1) Eight Rhombic Antennae.
- (2) One Discone Antenna.
- (3) Two Doublet Antennae.
- (4) Two GCR-6 Microwave Terminals.
- (5) Four AS-52 Antennae.
- (6) Four AS-505, UHF Antennae.
- (7) One AT-197, UHF Antennae.
- (8) Three RC-81 VHF Antennae.

c. The following items are required to return equipment to operational status:

- (1) 6145-160-4740 - Antenna wire - 30,000 ft.
- (2) 4010-2212708 - Guy Wire - 3,000 ft.
- (3) 5970-284-8422 - Insulators - 100 each.
- (4) 5970-669-7168 - Insulators - 50 each.
- (5) 3432-270-9880 - Solder - 25 lbs.
- (6) 3432-252-0573 - Flux, Solder - 12 lbs.
- (7) 756-11335 (Philco P/N) Clamping Diode.
- (8) 451-3184 (Philco P/N) Cable Assy.
- (9) 756-7167 (Philco P/N) Cable Assy.
- (10) 461-3018 (Philco P/N) Cable Assy.
- (11) 5985-248-4277 AS-52/TRC-8 Antenna Assy - 12 each.
- (12) 5985-230-5441-AS-20/TRC-1 Antenna Assy - 8 each.



(13) 1700 NL Part No. 505-1881-002 UHF Antennae.

(14) 5985-219-7454 - UHF Antennae.

(15) 3300-202549705 - VHF Antennae.

d. An estimated 3,060 manhours will be needed to return equipment to operational status.

e. Assistance is being provided by NAMAP HDA and Pacific GEETA Region.

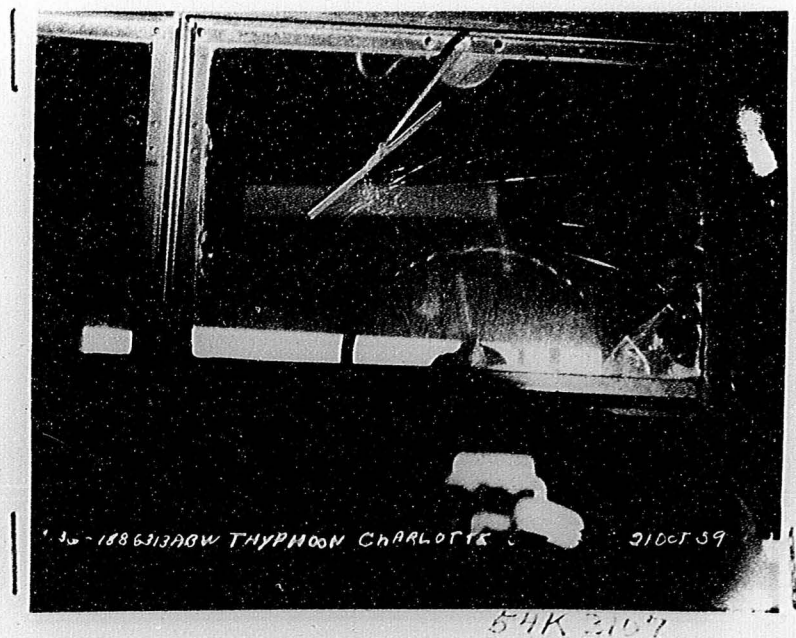


VEHICLES

6

1. Damage to Vehicle 54K 3107

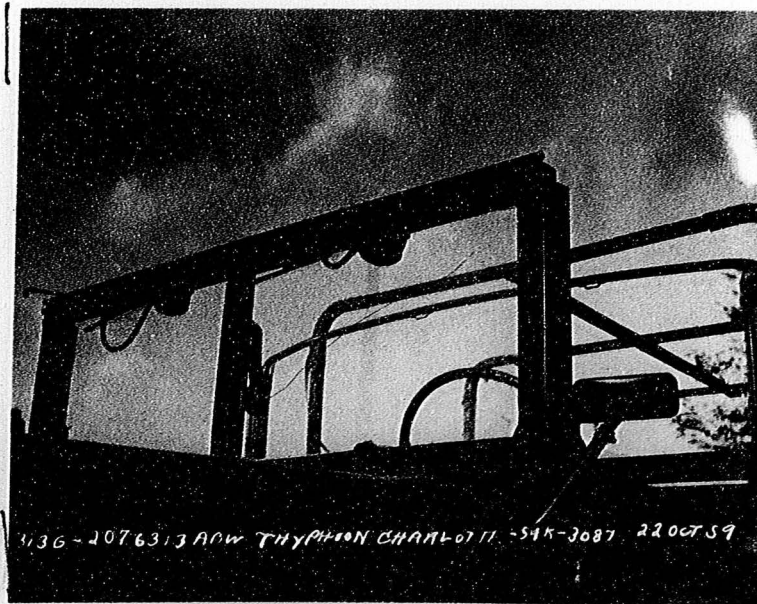
- a. 6313th Transportation Squadron
- b. Truck Utility, 3/4 Ton
- c. Glass w/frame - 2510-700-5417
- d. Estimated 1 manhour to return vehicle to operational status.



1886313A0W THYPN00W CHARLOTTE 210CT59

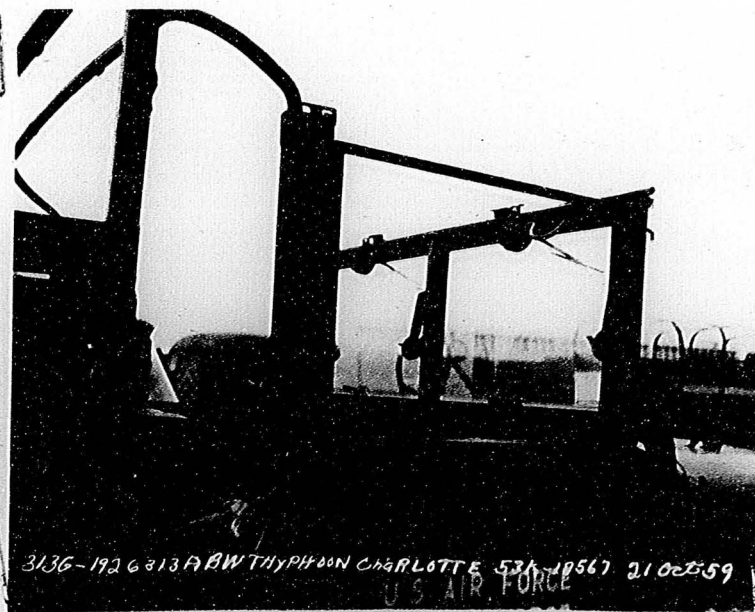
54K 3107

1. Damage to Vehicle # 54K 3087
  - a. 6313th Transportation Squadron
  - b. Truck Utility, 3/4 Ton
  - c. Glass w/frame - 2510-700-5417
  - d. Estimated 1 manhour to return vehicle to operational status.





1. Damage to Vehicle # 53K 18567
  - a. 6313th Transportation Squadron
  - b. Truck Utility, 3/4 Ton
  - c. Glass, Safety - 9340-240-6242
  - d. Estimated 1 manhour to return vehicle to operation status.



1. Damage to Vehicle 53K 18516
  - a. 6313th Transportation Squadron.
  - b. Truck Utility, 3/4 Ton.
  - c. Glass w/Frame- 2510-700-5417.
  - d. Estimated 1 manhour to return vehicle to operational status.
2. There were no pictures taken of subject damage.

1. Damage to Vehicle 53K 29529

- a. AFB 5270.
- b. Van, 12 $\frac{1}{2}$  Ton.
- c. Labor only (See photograph below).
- d. Estimated 21 manhours to return vehicle to operational status.





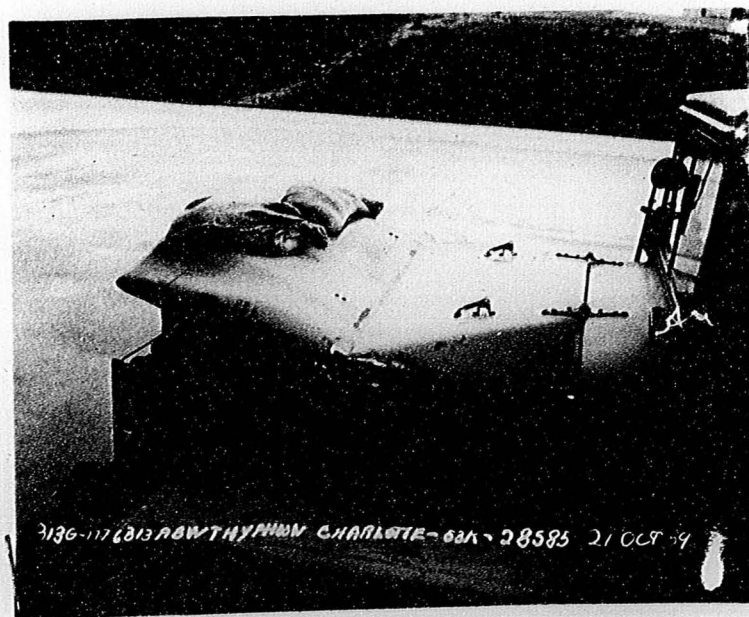
1. Damage to Vehicle 53K17419

- a. AFB 5270.
- b. Van, 12 $\frac{1}{2}$  Ton.
- c. Labor only (See Photograph below)
- d. Estimated 21 manhours to return vehicle to operational status.



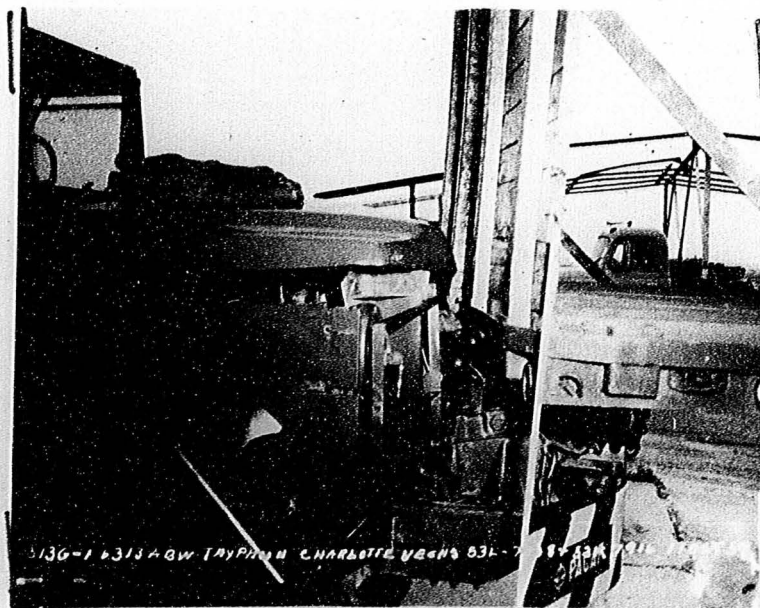
1. Damage to Vehicle 53K 28585

- a. AFB 5270
- b. Tractor, M-62
- c. Hood Assembly - 2530-602-1856.
- d. Estimated 8 manhours to return vehicle to operational status.



1. Damage to Vehicle 53L 7938

- a. 6313th Transportation Squadron.
- b. Truck, Wrecker, M-108.
- c. Radiator - G 742-7521875; Fan - 2930-752-1972; Panel - 2510-753-9202.
- d. Estimated 6 manhours to return vehicle to operational status.





1. Damage to Vehicle 52K 14278
  - a. 6313th Transportation Squadron.
  - b. Truck Utility,  $\frac{1}{2}$  Ton.
  - c. Windshield Assembly - 2510-040-2614.
  - d. Estimated 1 manhour to return vehicle to operational status.



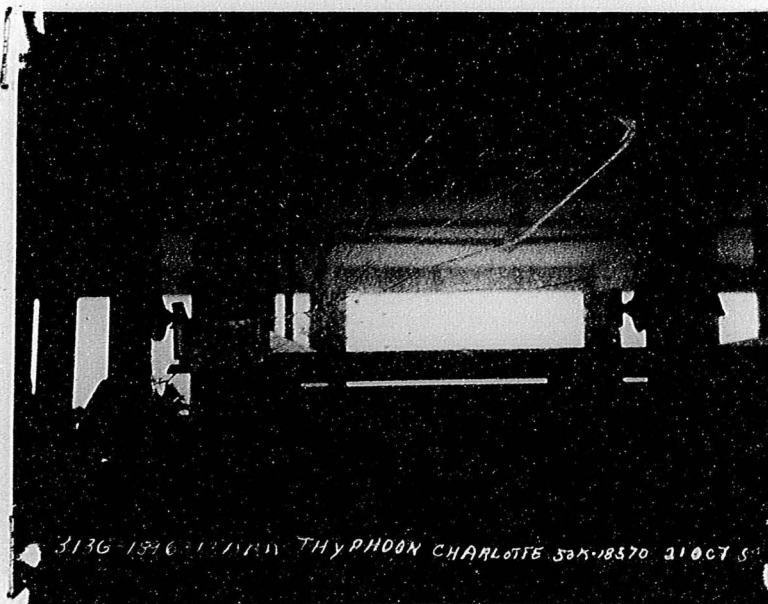
1. Damage to Vehicle 53K 18424

- a. 6313th Transportation Squadron
- b. Truck Utility, 1 Ton.
- c. Windshield Assembly - 2510-040-2614.
- d. Estimated 1 manhour to return vehicle to operational status.



1. Damage to Vehicle 53K 18570

- a. 6313th Transportation Squadron
- b. Truck Utility, 3/4 Ton.
- c. Glass w/Fram - 2510-700-5417
- d. Estimated 1 manhour to return vehicle to operational status.





O V E R T I M E   A N D   O V E R H I R E

7

1. An estimated figure of Overtime and Overhire of Civilians due to Typhoon "Charlotte" in accordance with paragraph 7, Appendix 2 to Annex F, Kadena Air Base Typhoon Plan 85-59 is as follows:

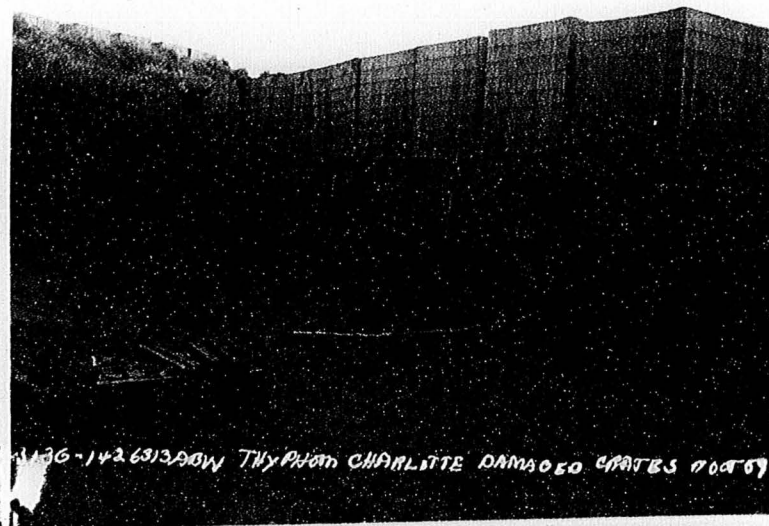
- a. American Civilians - \$1,637.10.
- b. Ryukyuan - \$279.34.
- c. Philippino - \$196.00.
- d. Total - \$2,112.44.

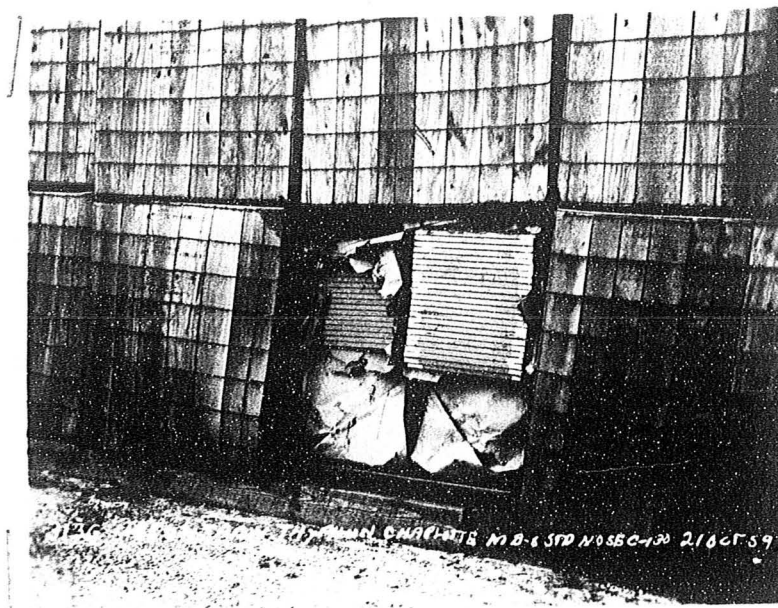
M I S C E L L A N E O U S

8

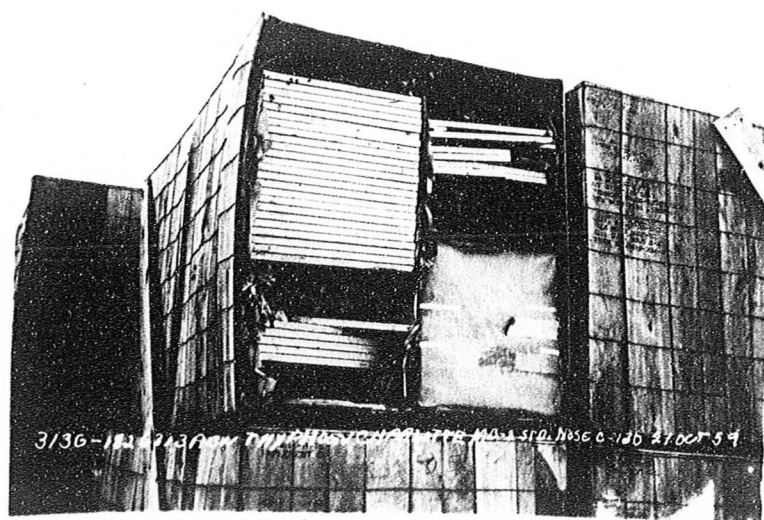
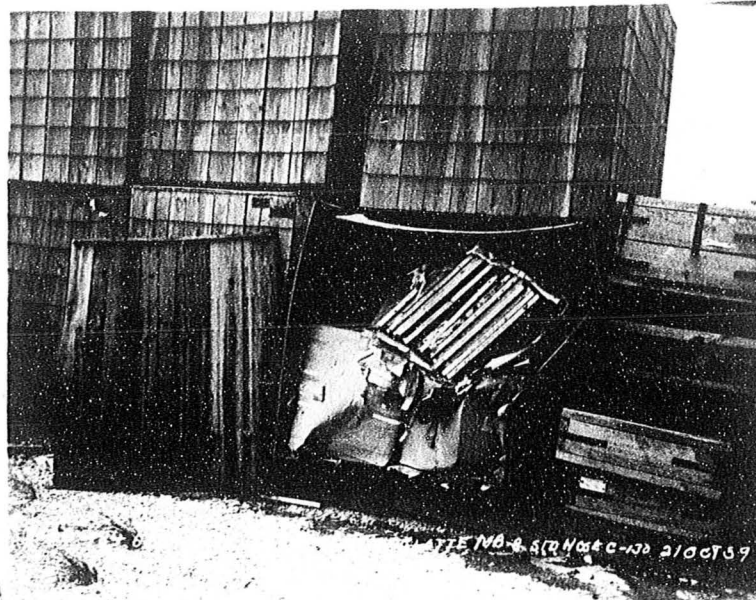


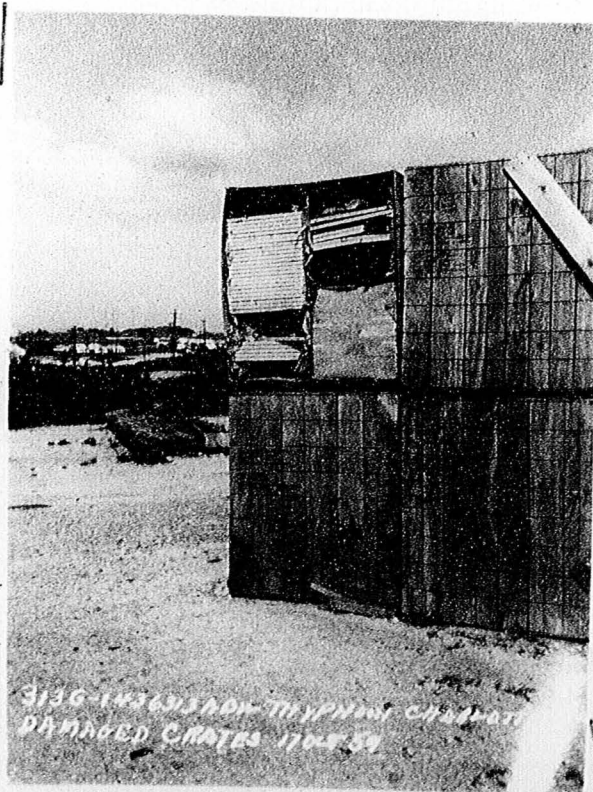
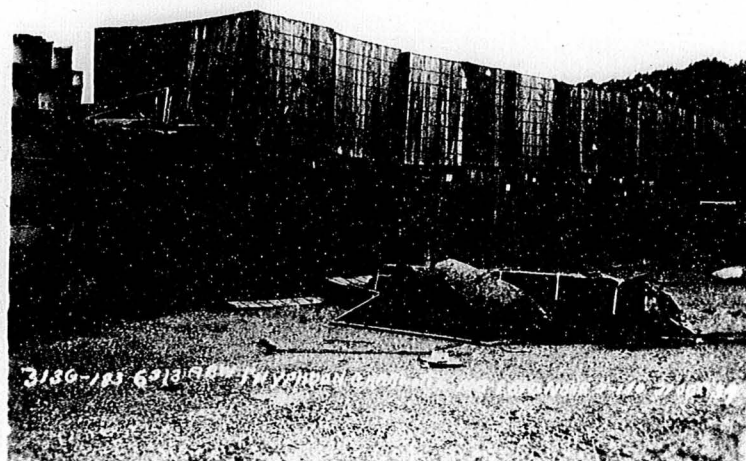
SUPPLIY DAMAGE

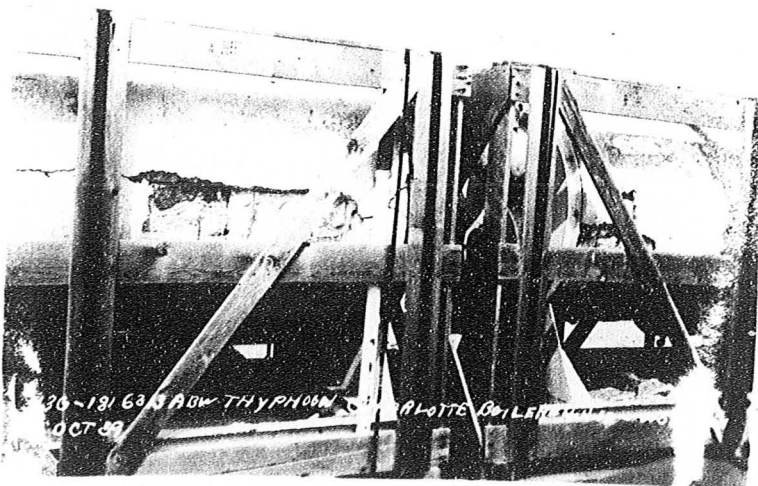




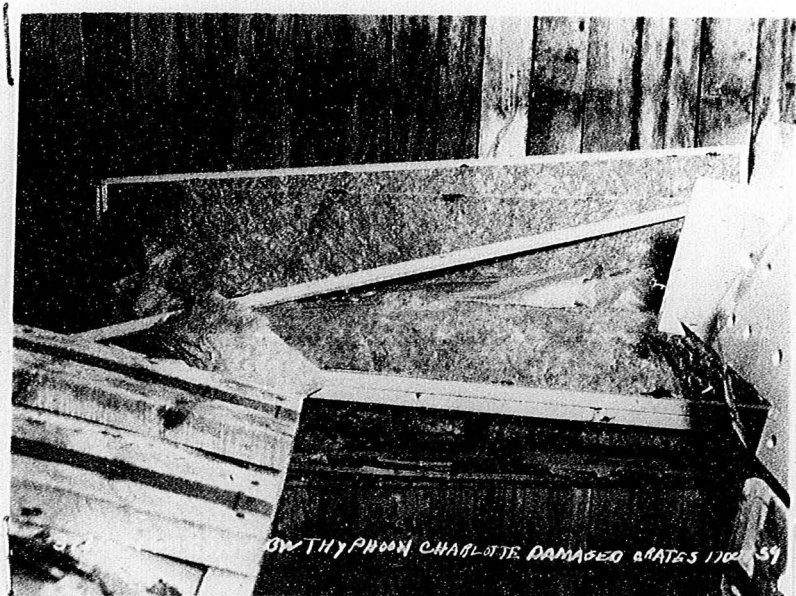












76

TYPHOON EMMA DAMAGE REPORT

12 - 13 NOVEMBER 1959

## C O N T E N T S

1. Personnel Casualties.
2. Installations and Utilities.
3. Aircraft.
4. Radar and Radar Equipment.
5. Communications Equipment.
6. Vehicles.
7. Overtime and Overhire.
8. Miscellaneous.



P E R S O N N E L   C A S U A L T I E S

1. A/LC Winfred C. Strickland of the SAC Liaison Office, sustained crushing type injuries to the ends of the index, long and ring fingers of his left hand at 0430, 13 November 1959. Airman Strickland was attempting to close the door to the emergency power building (3511), when the wind blew the door shut, crushing the fingers. The injury is classified as "Total Temporary Disability" of the affected parts.

INSTALLATIONS AND UTILITIES



1. Damages to Installations and Property are as follows:

a. Total damage to all Real Estate Property on Kadena Air Base and its off base sites is estimated at \$219,286.50.

b. Total cost of damage from Typhoon Emma being set up for contractual effort is \$68,285.00, as follows:

(1) Damaged roofing - \$8,480.00 Est.

(2) Replace and/or reset 90,020 Sq. Ft. of Asphalt Floor Tile in the Stilwell Park Housing Area and Building 2415 - Est \$22,505.00.

(3) Repaint exterior of 11 miscellaneous permanent buildings and 9 temporary buildings - Est \$3,300.00.

(4) Repair damaged roads and bunkers in the Line Ordnance (Old 546th Ammo Area) caused by washouts and landslides - Est \$25,000.00.

(5) Repair damaged fencing, roads and area adjacent to bridge in the 3rd ADS area - Est \$9,000.00.

2. Items listed in paragraph 1b(1) thru (5) are being included in the second revision of the FY-60-O&M Program.

1. Structural Damage:

a. 379 doors (all types) were damaged or destroyed. Estimated cost \$5,306.00.

b. 391 door locks (all types) damaged or destroyed. Estimated cost \$3,714.50.

c. 2000 sq. ft. of accoustical tile was damaged. Estimated cost \$560.00.

d. 9,000 sq. ft. of corrugated metal roofing was damaged or destroyed. \$7,200.00.

e. 475 L.F. metal flashing was damaged or destroyed. Estimated cost \$190.00.

f. 10 roof jacks and/or caps were damaged or destroyed. Estimated cost \$110.00.

g. 5 ventilators (all types) will require replacement or repairing. Cost \$75.00.

h. 54 Typhoon shutters were damaged or destroyed. (this includes 12 shutters in the Stearley Heights Dependent Housing Area). \$472.00.

i. 1,150 window glass were broken out or severely cracked. \$2,300.00.

j. There are 79,000 sq. ft. of roofing which was damaged on buildings 716, 148, 146, 144, 142, 134, 138, 110, 114, 106, 131, 130, 159 and 104. Estimated cost including labor is \$8,480.00.

k. Minor roof damage to other miscellaneous buildings is estimated to cost \$4,200.00. This includes labor and materials.

l. 6,300 sq. ft. of insect screening was damaged or destroyed. Estimated cost \$1,323.00.

m. Hardware such as retainers, latches, arms, pivot pins, shoes required for repair and/or replacement on steel sash is estimated at \$2,640.00.

n. 673 screen door closers (pneumatic) and 32 Hydraulic door closers were destroyed or damaged. Estimated cost \$2,467.00.

o. 90,030 sq. ft. of asphalt floor tile has been damaged and will require resetting and/or replacement. Estimated cost \$22,505.00.

p. 11 additional miscellaneous permanent buildings and 9 temporary type buildings require exterior paint. Estimated cost is \$3,300.00 for labor and materials.

q. 1 quonset in the 6313th AB Wg area received damage to bulkheads, exterior metal and eyebrows and should be repaired as soon as possible to prevent further damage to interior and equipment. Est cost \$1,000.00.

r. Considerable damage was done to the temporary 2 man BOQ's. Damage consisted of roof purlins separating from roof framing and/or sheetmetal roofing, sheet metal siding pulling loose from studs, shutter damage and interior damage to lining from water. Est cost of labor and materials is \$7,000.00.

s. 15 porch roofs were damaged in the Jennings and Arnold Terrace housing areas. Estimated cost is \$515.00.

t. 12 porches in the Stearley Heights area were damaged. Estimated cost is \$360.00.

u. The following buildings and miscellaneous structures were damaged to the extent that they are not repairable, therefore, can be considered a total loss.

(1) T-2129 - Real Property value \$4,642.00.

(2) T-1469 - Real Property value \$800.00.

(3) T-1989 Real Property value \$1,400.00.

(4) T-1986 - Real Property value \$8,997.00.

(5) T-839 - Real Property value \$40,383.00.

(6) Unnumbered shed on flight line (area C) estimated value is \$85.00.

(7) Total value of items u(1) thru (6) is \$56,307.00.

v. Numerous items of minor nature such as window trim, casings, facia, backers, loose metal, damaged siding, stops, loose interior lining, etc. require repair. Est cost \$4,800.00.

w. Labor required to accomplish repairs and replacements on those items where labor costs have not been indicated is \$6,900.00.

x. Overall structural damage to all types of structures on Kadena Air Base and its off base sites is \$141,724.00.

2. An additional 40,000 board ft. of lumber will be required to replace damaged facia, trim, battens, sheathing, doors, window sash, framing, etc. in buildings on Kadena Air Base and its off base sites.



Erosion, Fencing and Signs:

- a. Additional washouts and landslides occurred in the Line Ordnance area causing more damage to roads, bunkers and fencing. Repairs required are estimated at \$25,000.00.
- b. Flight Line Area damage including the perimeter road damage, is estimated at \$9,000.00.
- c. Damage to roads, fencing and areas adjacent to the bridge in the 3rd ADS area is estimated at \$7,000.00.
- d. Damage to roads and fencing in other areas on base is estimated at \$4,000.00.
- e. Erosion and fence damage to off base sites such as the old 7th TDS area, Yontan Air Station, etc., is estimated at \$4,000.00.
- f. Damage to street signs, etc., is estimated at \$800.00.
- g. Total cost for repair of damage to grounds, fencing and signs at Kadena Air Base and its off base sites including labor and materials is estimated to be \$49,800.00.

1. Utilities:

a. P.O.L.

(1) 1 Gasoline dispensing pump damaged. Labor and materials costs are \$105.00.

(2) Flow meters on the Permanent Hydrant system in Area C, Flight Line, incurred water damage. Only labor required to make repairs. Estimated cost is \$200.00.

(3) 3,200 sq. ft. of paint was damaged on the Permanent Hydrant System at the Flight Line. Estimated cost for labor and materials \$310.00.

(4) Total estimated damage is \$615.00.

b. Water and sewer - no damage.

c. Refrigeration and Air Conditioning - no damage.

d. Electrical:

(1) Interior:

(a) 12 electric motors burned out and will have to be rewound. Estimated cost of labor and materials is \$155.00.

(b) 2 distribution transformers burned out. Estimated cost of repairs \$100.00.

(c) 453 exterior light fixtures were damaged or destroyed. Estimated cost for labor and materials is \$5,889.00.

(d) 3 motor line starters were burned out. Estimated \$9.00.

(e) 4 circuit breakers burned out. Estimated cost of labor and materials for replacement is \$40.00.

(f) 42 Flood lights were damaged or destroyed. Estimated cost of labor and materials for replacement is \$1,890.00.

(g) 17 cutouts were burned out. Cost of replacement including labor is \$459.00.

(h) 7 poles were damaged or broken. Cost of labor and materials for replacement is \$472.50.

(i) 28 arrestors were destroyed. Cost of labor and materials for replacement is \$798.00.

(j) 2 potheads burned up. Cost of replacement including labor is \$180.00.

(k) 30 crossarms were damaged or destroyed. Estimated cost of labor and materials for repair and replacement is \$67.50.

(l) 1-400 Amp double throw switch burned up. Estimated cost of materials and labor for replacement is \$198.00.

(m) 1 - street light standard was broken by flying debris. Estimated cost of labor and materials for replacement is \$400.00.

(n) 83 street light globes were broken. Estimated cost of labor and materials for replacement is \$2,490.00.

(o) Total cost of labor and materials for electrical damages is \$27,147.50.



Damage to Communications Equipment:

1. Ie Shima Site.

a. 1962d AACCS Group.

b. Melbourne Rhombic low antenna curtain down.

c. The following items are required to return equipment to operational status:

(1) 2000 ft wire #6145-160-4740.

(2) 5 Insulators - 5970-669-7168.

d. An estimated 8 manhours will be needed to return equipment to operational status.

e. No assistance needed.

2. Awase Site.

a. 1962d AACCS Group.

b. 8 Rhombic curtains down.  
6 Transmission lines.

c. The following items are required to return equipment to operational status:

(1) 12,000 ft wire #6145-160-4740.

(2) 15 Insulators #5970-669-7168.

(3) 10 Insulators #5970-669-7175.

(4) 577 lbs wire #6145-643-0956.

(5) 75 Insulators #5970-606-81888.

(6) 5 lbs Soddar #3432-270-9880.

d. An estimated 95 manhours will be needed to return equipment to operational status.

e. No assistance needed.

3. Deragawa Site.

a. 1962d AACCS Group.

b. Dissipation line broken.

c. The following item is required to return equipment to operational status:

(1) 2500 feet wire #6145-512-6400.

d. An estimated 8 manhours will be needed to return equipment to operational status.

e. No assistance needed.

4. Base Facilities:

a.- 1962d AACs Group.

b. RC 81 Antenna down.  
Telephone cables #102, 07, 104, 06.

c. The following items are required to return equipment to operational status:

(1) 175 feet cable.

(2) 2 Sleeves.

(3) RC 81 Antenna.

d. An estimated 1402 manhours will be needed to return equipment to operational status.

e. No assistance needed.

1. An estimated figure of Overtime and Overhire of Civilians due to Typhoon "Emma" in accordance with paragraph 7, Appendix 2 to Annex F, Kadena Air Base Typhoon Plan 85-69 is as follows:

- a. American Civilians - \$1,373.82.
- b. Ryukyuan - \$394.67.
- c. Philippino - \$442.63.
- d. Total - \$2,221.12.



TYPHOON

DAMAGE

REPORT



ORIGIN

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3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California  
29 October 1959

SECURITY INSTRUCTIONS

1. The overall classification of the inclosed report is SECRET and will be handled in accordance with AFR 205-1, par 30b(2)(k).
2. This material contains information affecting the national defense of the United States within the meaning of the Espionage Law, Title 18, U.S.C., Sections 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.
3. Retain or destroy all copies in accordance with AFR 205-1. Do not return to the originator.

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3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California  
29 October 1959

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DETACHMENT 1  
3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California

29 October 1959

INTRODUCTION

GENERAL: This typhoon report details the damage incurred by this organization during Typhoon "Charlotte".

TYPHOON HISTORY: Okinawa is in the center of the "Typhoon Belt". Typhoon "Emma", 7 September 1956, dumped a large volume of water on Okinawa, and precipitated flooding of a portion of the 12th ADS area. The depth of flooding of supply buildings was thirty inches. Due to the vagaries of subsequent typhoons, the last typhoon to inflict major damage on this area was Typhoon "Faye", 25 September 1957. Principal damage from this storm was due to high winds and the unexpectedness with which it struck. Three other times during 1957, typhoon Condition I was declared. Typhoon Condition I was declared twice during 1958, although no typhoon struck the island. Typhoon Condition I has been declared six times in 1959. Of these typhoons, only "Charlotte" was of sufficient intensity to inflict extensive damage. A post-war record of 24 inches of rain fell in 17 hours. This concentration of rain fall plus the peculiar narrowing of the Hiza Gawa River caused the river to overflow its banks and to flood a portion of the detachment area to a depth of 50 inches.

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DETACHMENT 1  
3RD AVIATION DEPOT SQUADRON (3AC)  
United States Air Force  
APO 239, San Francisco, California

29 October 1959

NARRATIVE OF EVENTS

**GENERAL:** Typhoon Condition III was received at 1515, 13 October 1959. Typhoonization was begun immediately and finished prior to the release of personnel. Condition II was declared at 1405, 14 October 1959. Commissary and PX hours were extended to allow procurement of typhoon supplies. Condition I was declared 0540, 16 October 1959, and the Typhoon Officer of the Day was called to duty. Maximum winds of approximately 110 mph were sustained from approximately 2400, 16 October to 0900, 17 October 1959. Condition "All Clear" was declared 1308, 17 October 1959.

**DETACHMENT 1, 3RD AFS:** Upon initial declaration of Typhoon Condition III, the detachment's preliminary typhoonization was begun. Prior to the release of personnel at the end of the duty day, typhoonization was completed. All supply items, both base spares and unit supply, were placed in bins 48 inches above the floor in buildings 4032, 4034 and 4038 (Map Attachment #1). This was felt to be a safe elevation, since the previous high water experienced was 30 inches. Straddle carriers, loading equipment trailers, tugs and power units were placed in the Material Handling Equipment building 4037 (Attachment #1). All loose equipment was placed inside buildings. Due to the slow approach of the typhoon, partial detyphoonization of vehicles was accomplished 14 October 1959 to allow limited work to be done. This was true for 15 October as well. Typhoonization was again completed prior to 1600, 15 October and Kadena Air Base Command Post notified. Condition I was declared at 0540, 16 October and the Typhoon Officer of the Day reported for duty. The storm mounted in intensity throughout the day, and was forecast to pass over Okinawa at 2100. At 1630, 16 October, gate and tower guards were removed due to high winds. At 0130, 17 October, a transformer shorted the emergency power system terminal board in the Munitions Maintenance building 4044, and caused a small fire. This was extinguished by the utilities men on duty. The waters continued to rise from the Hiza Gawa River until only the top of the Main Gatehouse was visible. Buildings 4040, 4038, 4037, 4035, 4034, and 4032 were flooded (Map Attachment #1). Flood waters got within six feet of the Command Post building 4030 (Map Attachment #1). Condition "All Clear" was declared at 1308 and recall of personnel begun at 1355, 17 October 1959.

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DETACHMENT 1  
3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California

29 October 1959

DAMAGE SURVEY

GENERAL: An immediate damage survey was begun. While all of the items damaged could not be ascertained immediately, the damage was essentially that reported in Annex "A". To furnish a clearer picture, certain portions of the annex will be expanded.

UTILITIES: The ADT system was rendered inoperative in buildings:

1. A/C #1 - Door
2. A/C #2 - Door
3. A/C #4 - Door
4. S-4032 (Supply Warehouse) - Doors and Screens.
5. S-4034 (AFK 4712 Warehouse) - Doors and Screens.
6. S-4038 (Supply Office) - Screens.
7. S-4044 (Weapons Maintenance Building) - Door #5.

Commander, 3rd Air Division was notified by TWX, Cite Nr. 591083, Subject: (U) ADT, dated 21 October 59. Subsequent action taken to obtain a fix revealed that there are no qualified ADT personnel on Okinawa. Kadena Air Base Installation personnel have gone thru PACAF channels to try to secure assistance. 3rd Air Division has advised by TWX, Cite No. BFM 1524-10, Subject: (U) ADT, dated 23 October 59, that possible assistance may be obtained from Naval resources on Guam.

POWER: Since commercial power was not available upon declaration of Condition "All Clear", it was imperative that the emergency power unit be placed in operation immediately. However, lack of a water supply for cooling the Diesel engine prevented this from being done.

SUPPLY:

1. Unit Supply (Bldgs 4038 and 4032) - Everything below the 50" high water mark was covered with a film of mud. This included desks, chairs, tables, books, cards and all nature of supplies stored below the 50" mark. These had been typhoonized at 48", some 18" higher than the previous high water mark.

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3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
AFO 239, San Francisco, California  
29 October 1959

DAMAGE SURVEY (CONT'D)

2. APM 4712 (Bldgs 4038 and 4034) - As in the case of Unit Supply, everything below the 50" mark in these buildings was submerged. At the time of entry into the buildings, water and mud covered the floor to a depth of one inch. Miscellaneous spares were scattered about the floor from collapsed bins. Classified and stock records were water soaked. Desk drawers which had been placed on desk tops for typhoonization were strewn about the floor. Typewriters and telephones were submerged, and the telephones rendered inoperative. A total of 139 line items of maintenance spares were subjected to water damage. Of this total, 9 line items totaling 52 pieces were rejected. (Attachment #2)

MUNITIONS HANDLING EQUIPMENT AND VEHICLES: Straddle carriers did not sustain appreciable damage. The following items were submerged:

1. Six - 6x6's.
2. One - Weapons Carrier.
3. Five - Jeeps.
4. Two - M-246 Wreckers.
5. Four - Tugs.
6. Four - Forklifts.
7. One - MD-3 Power Unit.
8. One - Gasoline Trailer.
9. All loading trailers and equipment and extra lengths of hoist chains.

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DETACHMENT 1  
3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California

29 October 1959

### RECOVERY OPERATIONS

GENERAL: Even before Condition "All Clear" was given, recovery operations had begun. As soon as the extent of the damage was noted, notification was sent to Commander, 3rd Air Division, advising him of the impairment to our EWO capability. The Installation Engineer of Kadena Air Base was notified that the main access road had been washed out. A damage survey team arrived at 1405 and began preparations for repair of the road. Actual fill work started at 1600. The first vehicle rolled over the repaired section at 2150. A photographer arrived to record the damage at 1420 (Annex A, Tab #3). Recovery operations within the organization were given the following priorities.

1. Loading equipment.
2. Materiel Handling Equipment.
3. Emergency power.
4. Motor Vehicles.
5. Base Stores.

LOADING EQUIPMENT: Loading crews inspected all equipment on the loading trailers for serviceability. Since the C-9 and K-4 hoists had been submerged, immediate air drying of these components was of paramount importance. However, assigned air compressors were inoperative due to water damage. Power units and an air compressor were drawn from "Seaweed" resources and the drying operation was begun. At the same time, all chains were cleaned with solvent and oiled to prevent rusting. All hand tools were cleaned and oiled. Hoist motors were checked for operation upon completion of drying operations. All essential loading equipment was operational at 2255, 17 October.

MATERIEL HANDLING EQUIPMENT: Four tugs and four forklifts were declared unserviceable. A tug was drawn from Seaweed resources and additional tugs were offered on an "as needed" basis. Forklifts were also programmed on an "as needed" basis.

VEHICLES: A survey of vehicles was begun by Base Motor Pool personnel at 1530. At 1605 it was determined that all vehicles that were submerged should be towed to the EWP for inspection and lubrication. This movement was begun at 1735, and was hampered by having to use the longer alternate route. Certain vehicles were marked by EWP personnel for our use in event of EWO execution.

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3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California  
29 October 1959

RECOVERY OPERATIONS (CONT'D)

while our vehicles were being inspected. All vehicles had departed the detachment area by 0220, 18 October. The inspection was completed 29 October 1959. Total cost for inspection and lubrication was \$52.80.

EMERGENCY POWER: At 2225, 17 October, pumping facilities on base were able to provide sufficient water for cooling the Diesel engine and emergency power was available.

BASE SPARES: Due to lack of power, inspection of base spares was not started until 2320. All items which were damaged by water were inspected and those which were of questionable reliability were rejected. The remainder were set aside for repackaging and return to storage. By 0600 it was determined that in no category was there a zero balance of spares. Cost of packaging materials was approximately \$83.31.

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DETACHMENT 1  
3RD AVIATION DEPOT SQUADRON (SAC)  
United States Air Force  
APO 239, San Francisco, California

29 October 1959

SUMMARY

SUMMARY: By noteworthy and sustained support of the Kadena Air Base Installation Engineer, Base Motor Pool, and Seaweed personnel, as well as the tireless efforts of our own personnel, the detachment was deemed capable of meeting all EWO commitments at 0615, 18 October 1959.

Total cost of damage incurred is estimated at \$14,470.00

Total detachment manhours expended were 1,701.

To prevent a recurrence of the flood conditions, widening of the "choke points" in the channel of the Hiza Gawa River is under study by the Kadena Air Base Installation Engineers. In addition, future typhoonization preparation will include placing loading trailers and MHE equipment in an ordnance igloo, and placing vehicles and straddle carriers next to ordnance igloo blast walls. These igloos are on high ground, out of danger of being flooded.

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6313th INSTALLATIONS SQUADRON  
6313TH AIR BASE WING  
United States Air Force  
APO 239, San Francisco, California

REPLY TO

ATTN OF: IE-PM

7 October 1959

SUBJECT: Typhoon "Sarah" Final Damage Report

TO: 6313th ABWg (MC)

Reference: Kadena Air Base Typhoon Plan Number 85-59, Appendix 2  
to Annex F.

1. Personnel casualties. None

2. Damage to installations and property.

a. Structural Damage

(1) Building T-1451. Damage to wooden bulkhead. \$160.00

(2) Keystone Swimming Pool 90 lineal ft. of cyclone fencing  
blown down \$150.00.

(3) Forty-six (46) window glass blown out of Barracks 725  
and 721. In addition, 66 more windows were broken in various build-  
ings on KAB. \$229.60.

(4) Twelve (12) doors blown off or destroyed on KAB \$192.00.

(5) Six (6) shutters blown off on KAB. \$12.00.

(6) Three (3) doors blown off and destroyed at Onna Pt.  
Communications Annex. \$48.00.

(a) Total structural damage is \$791.60.

b. Utilities (Electrical)

(1) Three (3) transformers (\$1200.00.

(2) Six (6) cross arms with hardware \$15.00.

(3) Nine (9) cutouts \$243.00.

(4) Three (3) potheads \$210.00.

(5) Ten (10) street light globes \$120.00.

(6) One (1) street light standard \$70.00.

(7) One (1) power pole \$67.00.

(8) Two (2) floodlights \$80.00.

- (9) Four (4) De-Ion fuseholders \$160.00.
- (10) Four (4) De-Ion fuses \$32.00.
- (11) One (1) potential transformer \$225.00.
- (12) 80 feet - No. 750 mcm wire \$240.00.
- (13) Miscellaneous fuses, bulbs and secondary wire. \$126.00.
- (a) Total electrical damage \$1,688.00.

- 3. Damage to aircraft. N/A
- 4. Damage to radar equipment. N/A
- 5. Damage to communications equipment. N/A
- 6. Damage to vehicles. N/A
- 7. Amount of overtime and overhire of civilian labor forces.

a. Listed below is a breakdown of labor expended for typhoonizing, detyphoonizing and typhoon damage repair up to and including 26 Sept. 1959.

(1) Cost of labor expended during normal duty hours prior to and during typhoon, \$1,565.89.

(2) Cost of labor expended for overtime prior to and during typhoon, \$83.31.

(3) Cost of labor expended during normal duty hours after typhoon (includes detyphoonizing and typhoon damage repairs, \$1088.41.)

(4) Cost of labor expended for overtime after typhoon (includes detyphoonizing and typhoon damage repairs, \$180.15.

(a) Total labor costs \$2,917.76.

(b) Total cost of materials and labor \$5,397.36.

NOTE: It is estimated that an additional \$800.00 in labor will be required to complete typhoon damage repairs.

FOR THE COMMANDER:

DONALD W. ALLEN  
DAFC  
Typhoon Damage Officer



Ltr, 6313th Installations Squadron, IE-PM, 7 October 1959, Subj: Typhoon  
"Sarah" Final Damage Report

1st Ind (MC)

12 OCT 1959

Hq 6313th AB Wg

TO: 313th AD (MC)

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623RD AIRCRAFT CONTROL AND WARNING SQUADRON  
United States Air Force  
APO 235, San Francisco, California

REPLY TO  
ATTN OF: 623MAT

30 September 1959

SUBJECT: Damage Reports - Typhoon Sarah

TO: 6431st Air Base Group (Director of Materiel)

1. Attached typhoon damage reports from Miyako Jima and Kume Shima Air Stations are forwarded for your information and records use.
2. Yoza Dake, Okino Erabu, and Yae Take Air Stations sustained no damage.
3. Copies of the attached reports were previously furnished the Civil Engineer of your headquarters.
4. Since repair of all real property damages cited in the attached messages was undertaken by the Base Civil Engineer, this organization is not in a position to furnish information as to dollar value of damages involved.
5. Certain damages to operational electronics apparatus, of a classified nature, were also experienced by Miyako and Kume Shima Air Stations. Since the funding for repair of these damages rests with supporting depots, and in no way involves 313th Air Division funds, and since the nature of the damages involves security matters, they have been excluded from this report.

FOR THE COMMANDER:

BUSTER A. HICKLE  
Captain, USAF  
Materiel Officer

2 Atch  
1. Rpt-Miyako  
2. Rpt-Kume

Ltr, 623rd AC&W Sq, 30 Sep 59, Damage Reports-Typhoon Sarah

1st Ind (KMC-S)

OCT 5 1959

Hq 6431st Air Base Group, APO 235

TO: 313AD (Capt. Reddick, D/M)

As requested reports of damage are attached. Excluding communications, Installations Engineer estimated five thousand dollars (\$5,000) damage total. Suggest you contact Colonel Roberts, IEO, your headquarters, as damage report was submitted to him following Typhoon Sarah.

A. R. BREDEWATER  
Colonel, USAF  
Executive Officer

2 Atchs  
n/c



79  
UNCLAS

R2-P-160420Z

FM COMDR 623RD ACWRON DET 1

TO COMDR 623RD ACWRON APO 235

GRNC

BT

UNCLAS/623MS-CR-9-39. SUBJECT PRELIMINARY TYPHOON DAMAGE REPORT. THIS REPORT CONFINED TO DAMAGE OF MIYAKO AIR STATION, DAMAGE TO OPERATIONAL EQUIPMENT SUBMITTED IN ENCRYPTED MESSAGE. THIS MESSAGE IS IN 3 PARTS. PART 1, SUSTAINED WINDS REACHING PEAKS OF 200 KNS INFLECTED MODERATE STRUCTURE DAMAGE TO 50 PERCENT PERMANENT BUILDING. THIS DAMAGE MOSTLY BROKEN GLASS, DOORS TORN OFF FRAMES, TYPHOON SHUTTERS TORN FROM BUILDING MOUNTS AND BROKEN EXTERIOR FIXTURES. FIRE STATION SEVERELY DAMAGED. REQUEST IMMEDIATE ASSISTANCE IN REPLACEMENT OF ALL OVERHEAD POWER LINES WHICH WERE BLOWN AWAY, ALSO REQUIRE TECHNICAL ASSISTANCE IN RENEWING WATER SYSTEM (PUMPS) CIRCUITS AND LINES REQUIRE QUALIFIED INSPECTOR TO INSURE A RELIABLE WATER SUPPLY. THIS PRESENTLY CONSTITUTES HEALTH HAZARD. PART 3. SITE RECOVERING WITHIN LIMITS OF LOCAL CAPABILITIES. TROOP SPIRITS HIGH AFTER A REAL BAD NIGHT OF SOUND AND FURY. MAJOR ZWINGER. UNCLASS

TOR 160630Z/RT

79

ACWC DE ACWK NR 2

P 170600Z

FM 623RD ACWRON DET 2 KUME SHIMA AS

TO 623RD ACWRON DQ NAHA AB

BT

UNCLASS 623 OPS-001 ATTN: MATERIAL SECTION

REF: YOUR MESSAGE 623MST 0580. THE FOLLOWING INFO IS PROVIDED:

1. EXTENT OF TYPHOON DAMAGE CONSISTS OF MINOR DAMAGE TO INSTALLATIONS AND PROPERTY, SUCH AS: ANTENNA DAMAGE AT RECEIVERS AND TRANSMITTER SITES, SEVERAL WOOD AND METAL DOORS DAMAGED OR DESTROYED, WINDOWS AND TYPHOON SHUTTERS BROKEN, AND FLOODLIGHTS DESTROYED. A LISTING OF MATERIAL AND SUPPLIES REQUIRED FOLLOWS:

- (1) Eight (8) WOOD PANEL DOORS
- (2) FOUR (4) WOOD LOUVER DOORS
- (3) TWO (2) LARGE STEEL DOORS FOR THE FPS-6 TOWER

PAGE TWO ACWK NR 2

- (4) FOUR (4) FLOODLIGHTS
  - (5) EIGHT (8) GLASS WINDOW PANES
  - (6) SEVEN (7) ALUMINUM TYPHOON SHUTTERS
  - (7) ELECTRIC MOTOR FOR THE OPERATIONS BUILDING AIR CONDITIONER
  - (8) STEEL SMOKE STACK, FOR DINING HALL
  - (9) 300 FT OF RG-17/U COAX CABLE
  - (10) 4 EA AS-20-F-TRC-1 ANTENNAS
  - (11) 50 EA CERAMIC INSULATORS
  - (12) 1000 FT OF 1/8" WIRE ROPE
  - (13) 1000 FT OF 3 STRAND COPPERWELD-ANTENNA WIRE
  - (14) 100EA U-BOLT CLAMPS FOR USE WITH 1/8" WIRE ROPE
  - (15) 12 EA THRU BOLTS, 24" WITH EYE NUTS
  - (16) 50 EA EYELETS FOR USE WITH 3 STRAND COPPERWELD
  - (17) 500 EA CABLE CLAMPS WITH RUBBER INSULATION, ASSORTED SIZES
- SPECIAL ASSISTANCE REQUIRED: PERSONNEL AND SPECIAL EQUIPMENT TO REHABILITATE HIGH GAIN ANTENNAS.

BT

17/0605Z SEP ACWK

79

Yoza Dake Air Station  
623RD AIRCRAFT CONTROL AND WARNING SQUADRON  
United States Air Force  
APO 235, San Francisco, California

REPLY TO  
ATTN OF: 623YCOMM

SUBJECT: Report of Typhoon Damage and Casualties

TO: Commander  
313th Air Division  
ATTN: Director of Material  
APO 239, San Francisco, California

The following typhoon damage report is forwarded in accordance with paragraph 4g, and attachment #2 to 313th Air Division Supplement #1 to 5 Air Force Regulation 55-33, dated 9 April 1959.

- a. Personnel Casualties Negative
- b. Damage to Installations and property Negative
- c. Damage to aircraft Negative
- d. Damage to Radar Negative
- e. Damage to Communications equipment Negative
- f. Damage to Vehicles Negative

FOR THE COMMANDER:

WALTER O. REIL  
Captain, USAF  
Communications Officer



80.

Headquarters  
6313TH AIR BASE WING (PACAF)  
United States Air Force  
APO 239, San Francisco, California

REPLY TO  
ATTN OF: MC

22 September 1959

SUBJECT: Final Report of Casualties, Damages, and Requirements as a Result of  
Typhoon "Sarah"

TO: 313th AD (MC)

1. In accordance with Headquarters 6313th Air Base Wing, Kadena Air Base  
Typhoon Plan Number 85-59 (Unclassified), final damage report is submitted:

- a. Personnel Casualties: None
- b. Damage to installations and property:

(1) Structural Damage:

(a) Building T-1451, a 20 x 164 quonset with a 20 x 39  
wood framed metal covered shed attached, had approximately one-half of  
the southeast bulkhead blown out. Temporary repairs were made by 6313th  
Installations Engineer emergency crews during the typhoon. Estimated  
cost to make permanent repairs is \$160. NOTE: This building is a typhoon  
hazard and should be dismantled.

(b) Ninety linear feet of cyclone fencing was blown down  
at the Keystone Swimming Pool. Estimated cost of repairs is \$150.

(c) Forty-six window glasses were broken out in Barracks  
725 and 721. Broken glass is being replaced with plywood, pending con-  
tractual effort for repair of all sash and frames. There were approxi-  
mately fifty more window glasses broken in various other buildings on  
the base. Estimated cost of repairs for typhoon damage to window glass  
is approximately \$215.

(2) Utilities (Electrical):

(a) The following items that were damaged have been re-  
placed or will be replaced:

- 1. Three transformers.
- 2. Six cross arms with hardware.
- 3. Nine cutouts.
- 4. Two potheads.
- 5. Ten street light globes.
- 6. One street light standard.
- 7. One power pole.
- 8. Two floodlights.
- 9. Four D-Ion fuseholders
- 10. Four De-Ion fuses.
- 11. One potential transformer.

(b) Miscellaneous replacement of wire and light bulbs amounted to approximately \$125.

(c) Total electric facilities damage amounted to about \$4,000.

(3) Total estimated damage due to the typhoon that is known at the present time is \$4,525.00

- c. Damage to aircraft: None.
- d. Damage to radar equipment: None.
- e. Damage to communications equipment. None.
- f. Damage to vehicles: None
- g. Amount of overtime and overhire of civilian labor forces: \$525.30.

2. Three photos and negatives indicating damage to Building T-1451 and cyclone fencing at Keystone Swimming Pool are attached.

3. A complete and final report within three working days after the "All Clear" is sounded appears to be somewhat unrealistic. The arrival at Kadena of CINCPACAF, for instance, utilized all available photographers, therefore photographs and their processing delayed submission of this report on a more timely basis. It is suggested that five working days be allowed for a final report. If necessary, flash reports or partial reports can be furnished in less time if desired.

FOR THE COMMANDER:

D.C. McKENNY  
Lt Colonel, USAF  
Director of Materiel

1 atch  
a/s



81

PNMB

SUBJECT: Transmittal of Rigid Radome Report

TO: Commander  
Rome Air Materiel Area  
ATTN: ROM-1  
Griffiss Air Force Base, Rome, New York

Forwarded herewith is a copy of the report of a survey of Rigid Radomes which were inspected by a Pacific Mobile Depot Activity team in response to the request contained in your unclassified message ROM-4-121-E.

FOR THE COMMANDER:

s/t/ MARVIN J. SHAVELSON 1 Atch  
Asst Deputy Director for Field Services Copy of Report w/Atchs

Copies to:  
313th Air Division APO 239  
3rd Air Division APO 334  
623rd AC&W Sq, APO 235  
856th AC&W Sq, APO 334  
13th AF Clark AFB APO 74  
PACGER APO 323



Report on CW-396A/GPS Rigid Radome Survey

PNMB

PNMBB-2

1 June 59

PNMBB-2/Capt. W. Hunt/yt/28808

1. A survey of CW-396A Rigid Radomes in the Mariannas Air Defense Command and 313th Air Division was conducted by MDA Representative, Captain Woodward Hunt, assisted by Mr. Lowell K. Cheney.

2. Survey was accomplished in compliance with message ROM 5-121-E from Commander, RCANA, dated 10 April 59. Message references reports concerning degradation in performance of rigid radomes in Okinawa and Guam areas due to deterioration of caulking. (Attention is invited to Atch 1)

a. Period of Survey: 3 May 59 - 16 May 59

b. Radome sites visited during survey:

- (1) Detachment 1, 623rd AC&W Sqdn, Okino Air Station, Okinawa
- (2) Detachment 2, 623rd AC&W Sqdn, Kume-Shima Air Station, Okinawa.
- (3) Detachment 3, 623rd AC&W Sqdn, Yoza-Dake, Okinawa.
- (4) 852nd AC&W Sqdn, Guam.

(a) Miyako Air Station at Okinawa was not visited due to inclement weather which precluded air transport.

c. Personnel contacted during visit:

Major Frisbe	3rd Air Division
Major Holoviak	313th Air Division
Major Watts	313th Air Division
Capt Larsen	852nd AC&W Sq, 3rd Air Division
Capt Teubner	623rd AC&W Sq, 313th Air Division
Capt Venable	2766th GEEIA Sq
Lt Flournoy	Det 1, 623rd AC&W Sq
Lt Harriman	Det 2, 623rd AC&W Sq
Lt Thompson	852nd AC&W Sq

3. Radomes were examined for serviceability and proper performance in accordance with applicable T.O.'s, 31Pl-26PS-7, -14, -15.

a. Principle evidence of radome malfunction encountered in Okinawa area was inadequate water proofing. Resultant leakage appeared directly attributable to decayed caulking beads on seams of fiberglass panels.

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(1) Radomes in this area were installed during summer months of 1957, Original coal tar caulking compound was apparently unsuitable for environmental conditions in this region to develop an effective water seal.

(2) Round-the-clock winds of varying velocity evidently impose uneven stress on radome segments, causing uninvited friction between adjacent panels. This action works lock-nuts loose from the mounting bolts, producing further latitude for movement of panels. The coal tar compound exhibited inferior qualities of elasticity and adhesion to compensate this slight movement of panels, thus creating cracks and looseness in caulking beads, and engendering vulnerability to leakage.

(3) Water accumulated on third level gradually seeps to second and first levels through cable ducts, etc., thereby posing a serious hazard to high-voltage components and maintenance personnel.

(a) It was reported that three hundred gallons of water were evacuated from second level of AN/FPS-6 Radome at Okino after a 24-hour rainstorm.

b. Radomes at Yoza-Dake, Kume-Shima, and Miyako were re-caulked by the 2768th GEEIA Squadron during April 59, using a neoprene base caulking compound, EC801, manufactured by Minnesota Mining Company.

(1) During re-caulking, all loose mounting bolts were tightened to 55 ft-lbs, and coated with glyptol to discourage further loosening (Refer Atch 2).

(2) Approximately 180 man hours were expended in recaulking each radome.

(3) Re-caulking operation was performed according to Standard practice (Refer Atch 3), however, preliminary cleaning and removal of old caulking compound was overlooked.

(a) Instructions on container of EC801 caulking compound direct that surface to-be-caulked be clean and free of oil.

(4) Subsequent to re-caulking operation, leakage had again become evident.

(5) Inspection of re-caulking during survey at Okinawa revealed a brittle bead with poor adhesion.

(a) Failure to remove old compound or clean the surface prior to recaulking, could feasibly interject an undesirable catalyst during curing of compound to destroy the elastic consistency and adhesive quality.

(6) Members of 2768th GEEIA Squadron have been testing Okinawa produced neoprene compounds for caulking performance on the assumption that compound EC801 is not a suitable caulking compound.



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c. The two radomes inspected at Guam were installed during summer 1958, and re-caulked in March 59.

(1) Re-caulking operation at Guam was performed by 30 member team of the 2876th GEEIA Squadron of Clark AFB.

(2) Approximately 1600 man hours were expended in cleaning, replacing bolts and re-caulking the two each rigid radomes in this area.

(3) Standard practices were observed throughout the mixing and application of EC801 compound during re-caulking. All original caulking was removed and surface scraped with wire brush, and cleaned with oil-free solvent before re-caulking.

(4) The inspection of these radome seams revealed a superior caulking bead with excellent qualities of adhesion and elasticity, and complete absence of pin holes and cracks.

(5) There has been no leakage problem since re-caulking operation in Guam area.

#### 4. Summary.

a. Excessive organizational maintenance is being performed on radomes in Okinawa area to counteract effects of inadequate caulking. Original coal tar caulking compound appeared unsuitable for weather conditions in this theater. Neoprene-base re-caulking compound was successfully applied in Guam area, however same compound used in Okinawa provided a poor caulking bead.

b. Environmental conditions are similar enough in Guam and Okinawa regions to discount the nature of weather as a contributing factor to the unsatisfactory re-caulking operation in Okinawa area.

c. Paint has not been used on radomes covered in this report.

d. Daily patch caulking is being performed on Okinawan radomes to reduce leakage. It is calculated that a proper caulking bead on these radomes will render a serviceable and waterproof structure, requiring nominal organizational maintenance, for a period of two years.

e. Organizational and Field maintenance is considered adequate in these areas, providing the previous mentioned GEEIA Squadrons (or other depot level maintenance activity) continue their assistance during re-caulking operations.

f. It is considered that close attention to removal of old compound and surface cleaning is the critical key to successful re-caulking.



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5. Recommendations: In consideration of the continuing difficulties in water-proofing radomes in Okinawa area, it is recommended that these radomes be again re-caulked, exercising caution to incorporate recommended procedures outlined in this report.

s/t/WOODWARD HUNT  
Captain, USAF  
Team Chief

- 3 Atch  
1. Message Rom-4-121-E  
2. Ltr, Yoza-Dake A.S.  
3. Radome caulking

Copies to:  
313th Air Division APO 239  
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623rd AC&W Sq. APO 235  
856th AC&W Sq. APO 334  
13th AF Clark AFB APO 74  
RACGER APO 323

81

APB354ZCZCQPA946ZCJQC413

RR RJAPGB

DE RJEZGF 137A

R 101517Z

FM COMR COANA

TO COMDT NAMAP TACHIKAWA AB

BT

UNCLAS FROM ROM-4-121-E FOR PMMB. REFERENCE YOUR MESSAGE PMMB 04924 DATED 7 APRIL 59. RIGID RADOMES I STALLED IN THE DEW LINE REQUIRED ONLY MINOR CAULKING AND A MINIMUM OF MAINTENANCE. HOWEVER ENVIRONMENTAL CONDITIONS IN YOUR THEATER COULD MATERIALLY INCREASE THE AMOUNT OF MAINTENANCE REQUIRED. RECOMMEND THAT YOUR MDA INSPECT THREE RIGID RADOMES WHICH HAVE BEEN INSTALLED FOR SIX MONTHS OR MORE USING TO 31P1-23PS72 3 7 14 15 PAYING PARTICULAR ATTENTION TO DETERIORATION CAUSED BY ELECTROLYTIC ACTION PAINTING REQUIREMENTS RECAULKING FREQUENCY ADEQUACY OF ON-SITE REPAIR KITHOLHZR BAOAGE AND ADEQUACY OF FIELD AND ORGANIZATIONAL MAINTENANCE SUPPORT. DISCUSS WITH SITE COMMANDERS THE TOTAL MAINTENANCE REQUIREMENT AND DOCUMENT ALL MAINTENANCE WHICH THEY STATE IS BEYOND F & O CAPABILITY. FORWARD THE COMPLETE REPORT TO THIS DEPOT ATIN ROM-1 TOGETHER WITH YOUR RECOMMENDATIONS FOR SUPPORT, KEEPING IN MIND THAT IF THERE ARE OPERATIONS WHICH CAN BE CLASSIFIED AS DEPOT LEVEL MAINTENANCE MDA OR CONTRACTUAL SUPPORT MUST BE PROVIDED.

BT

10/1536Z APR RJEZGF

Atch 1

0 3 2 9



81

Yoza Lake Air Station  
623RD AIRCRAFT CONTROL AND WARNING SQUADRON  
United States Air Force  
APO 235, San Francisco, California

1 March 1959

SUBJECT: Addition to Radome condition report.

TO: Commander  
HQ., 623 AC&WRON, ATTN: C&E  
APO 235, San Francisco, California

1. All Radome bolts were tightened to 55 ft. lbs. with a torque wrench and painted with primer using a special maintenance period granted for Radome caulking. Results of this operation are forwarded for information purposes. Percentages given are approximations only.

2. Only 5% of the bolts were found to be tight. About 10% turned after 40 to 55 ft. lbs. of pressure had been applied. About 50% turned after 30 to 40 ft. lbs., 25% turned at 20 to 30 ft. lbs., and 10% turned at less than 20 ft. lbs. Particular note was made as to the areas in which the bolts were loose and the areas in which they were tight. At the hubs where six panels are joined the bolts were very loose. As the work proceeded away from the hubs the bolts were tighter. This condition was prevalent through out the dome and was not found to be characteristic of one level or area.

3. We cannot form a definite conclusion with this information because no torque wrench was used on the dome last year when the bolts were tightened. However the definite pattern which was found should be carefully noted.

4. Radome serial number 3-U-1 and 6-Z-1 were caulked during the same period. The caulking team stated that radome serial number 6-Z-1 was in very good shape. Radome serial number 3-U-1, however had some holes and cracks, and a general condition of deterioration much more apparent than on the 6-Z-1.

RICHARD B. BEATTY  
Major, USAF  
Commander

Atch 2

1330



82

NNNN OKB 003C MCA200KYA063  
PP RJAKC  
DE RJAKH 52  
P R 230630Z ZEX  
FM ACWRON 623  
TO RJAPAA/AF 5  
INFO RJAKC/ADIV 313  
BT

UNCLAS 623CE 0598. ATTN: 5FEDE-R ATTN: 3130C-E AS A RESULT OF THE RECENT TYPHOON IN THE AREA, THE FOLLOWING DAMAGE WAS SUSTAINED BY EXISTING C-E FACILITIES WITHIN THIS ORGANIZATION. SITE P-53: 1. RADAR: BOTH RADAR SETS AT THIS STATION WERE INOPERATIVE IMMEDIATELY AFTER THE STORM DUE TO MOISTURE IN THE EQUIPMENT (6 SECTIONS OF TOWER SIDING IN THE FPS-6 TOWER, APPROXIMATELY 20 FT BY 10 FT, BLEW AWAY) AND DEFECTIVE THYRATRONS IN THE FPS-3. IN ATTEMPTING TO RESTORE RADAR SET AN/FPS-6 TO OPERATION, THE MOISTURE IN THE EQUIPMENT CAUSED A SHORT CIRCUIT WITH SUBSEQUENT DAMAGE TO THE INDUCTION REGULATOR. A TECH ASSIST WAS REQUESTED AND ASSISTANCE HAS BEEN PROVIDED. 2. COMMUNICATIONS: A. HF: 5 HF ANTENNAS WERE INOPERATIVE IMMEDIATELY AFTER THE STORM, 4 BLOWN DOWN, 1 LOOSE. B. VHF/FM: 4 HIGH GAIN ANTENNAS INOPERATIVE, DIPOLES BENT, CROSSEVER FEEDERS BROKEN, INSULATORS BETWEEN DIPOLES BROKEN. C. UHF: 6 AS505 ANTENNAS BENT AND HENCE UNRELIABLE AND INOPERATIVE. D. ANTENNA POLES: ALL POLES ARE LOOSE, SOME GUYS BROKEN OR LOST ENTIRELY. SITE P-54: 1. RADAR: NO DAMAGE. 2. COMMUNICATIONS. A. HF: 3 HF ANTENNAS WERE INOPERATIVE IMMEDIATELY AFTER THE STORM, 2 AS THE RESULT OF BROKEN HALYARDS, 1 AS THE RESULT OF A BROKEN CENTER INSULATOR. COAX WAS LOST TO ALL 3 OF THESE ANTENNAS. B. VHF GND/AIR: 2 RC-81 ANTENNAS LOST, BOTH AS THE RESULT OF A BROKEN CROSS TREE. C. VHF/FM: 4 HIGH GAIN ANTENNAS INOPERATIVE, DIPOLES BENT, INSULATORS BETWEEN DIPOLES BROKEN, FEEDER LINES MISSING OR WATER SOAKED. 1 AS-20 ANTENNA SUFFERED THE LOSS OF ITS DIRECTOR ELEMENT. D. UHF: 2 AS-505 ANTENNAS BENT AND HENCE UNRELIABLE AND INOPERATIVE. COAX CABLE TO 2 OTHER AS-505 ANTENNAS BLOWN AWAY. SINCE THE ABOVE DAMAGE WAS INCURRED, ASSISTANCE HAS BEEN RENDERED TO THESE SITES. THE RESULT IS THAT THE MAJOR PORTION OF THE ABOVE DAMAGE HAS ALREADY BEEN CORRECTED, THE REMAINDER IS PRESENTLY BEING TAKEN CARE OF.

BT  
23/0735 Z SEPT RJAKH 1959

PCB012KHA003  
RR RJAOKCV  
DE RJAOKH 82  
R 180600Z ZEX  
FM ACWRON 623 NAHA AB OKI  
INFO RJPAA/AF 5 FUCHU AS JAP  
RJAOKC/ADIV 313 KADENA AB OKI  
BT

/C O N F I D E N T I A L/623CE 01129. THIS MSG IN TWO PARTS. PART I.  
A RECENT VISIT TO YOZA DAKE AS BY MDA TO DETERMINE EXTENT OF DAMAGE TO  
RADOMES BY TYPHOON CHARLOTTE RESULTED IN THESE FINDINGS. A. ONE RADOME  
WILL HAVE TO BE REPLACED OR UNDERGO EXTENSIVE REPAIR AT TACHIKAWA AB.  
THE PRIMARY CAUSE OF THE CONDITION OF THIS RADOME WAS PROBABLY DUE TO  
MANUFACTURING. SOME CRACKS ARE EVIDENT IN AND ADJACENT TO THE FIVE AND SIX WAY  
HUBS WHERE THE END OF THE PANELS AREM THE BRACES MOLDED INTO THE SECTIONS  
ACROSS THE SHORT DIAGONAL ARE DELAMINATING AT THE EDGES WHERE THEY CONNECT  
TO THE FLANGES THAT ARE USED TO BOLT THE SECTIONS TOGETHER. ALSO, THERE  
ARE LATERAL BREAKS ALONG THE LONG DIAGONALS OF SOME PANELS. THESE HOLES  
ARE APPARENTLY WHERE THE CLOTH MATERIAL WAS JOINED TO OTHER PIECES. THESE  
JUNCTIONS ARE OBVIOUS IN SOME SECTIONS OF ALL RADOMES AND APPEAR AS A  
DARK LINE ACROSS THE LONG DIAGONAL OF THE SECTION. THE ZENITH RADOME IS  
PARTICULARLY SUSCEPTIBLE TO DAMAGE IN THE AREAS MENTIONED. B. THE  
UNIVERSAL RADOME AT YOZA DAKE IS APPARENTLY SOUND, BUT WIND EROSION HAS  
REMOVED MOST OF THE RESIN FROM THE OUTSIDE OF THE PANELS, LEAVING THE  
FIBERGLASS CLOTH EXPOSED. THE FIBERGLASS CLOTH TENDS TO FLAKE OFF WHEN  
RUBBED. THESE PANELS ARE EASILY IDENTIFIED BY THEIR SHINY REFLECTIVE  
APPEARANCE. THE SURFACE OF THE AFFECTED PANELS' APPEARANCE IS THE SAME  
AS THE FIBERGLASS CLOTH BEFORE THE RESIN IS APPLIED. PAINTING BY ONE  
OR MORE COATS OF RESIN WILL COMPLETELY REPAIR THIS RADOME. PART II.  
REQUEST EACH ACTION ADDRESSEE INSPECT THEIR RADOMES TO DETERMINE IF THEY  
ARE EXPERIENCING SAME PROBLEMS. MDA WILL HAVE A TEAM HERE TO REPAIR  
YOZA DAKE'S RADOMES AND WILL PROBABLY BE ABLE TO DO ALL RADOMES IN THIS  
SYSTEM IF NOTIFIED IN SUFFICIENT TIME. SUBMIT A REPORT TO THIS ORGAN-  
IZATION OF CONDITION ON THE RADOMES WITH PARTICULAR ATTENTION TO THOSE  
ITEMS LISTED IN PART I, TO ARRIVE AT THIS HEADQUARTERS NO LATER THAN  
26 NOVEMBER 1959.

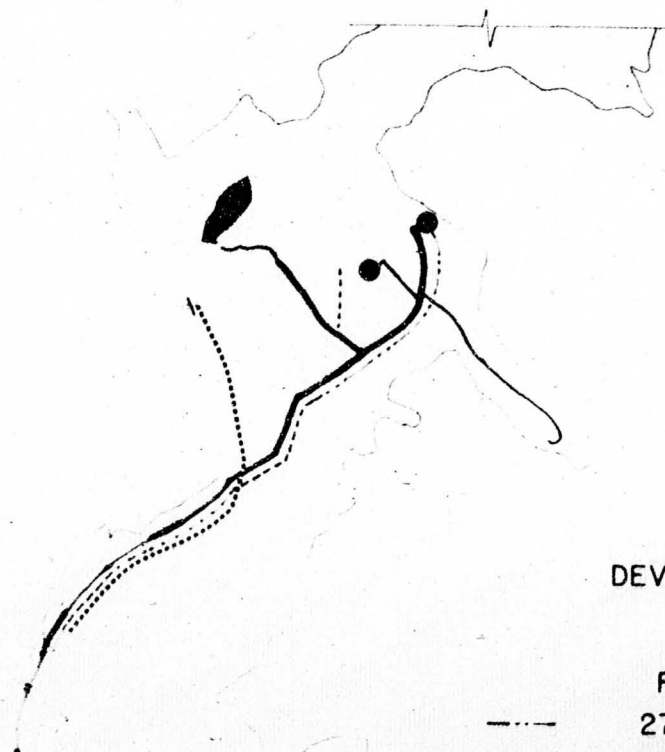
BT  
18/0715Z NOV RJAOKH 1959.

# US INSTALLATIONS





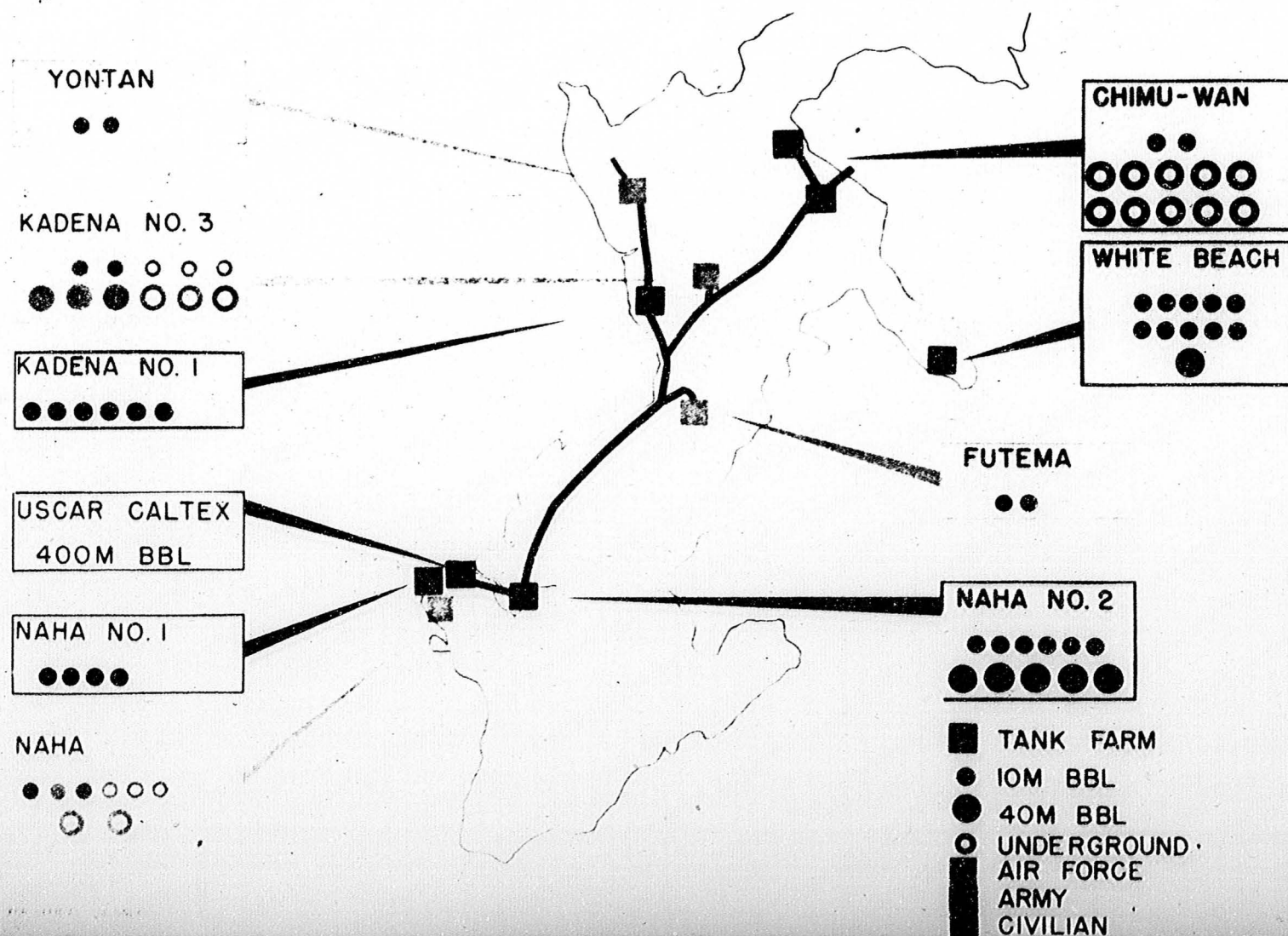
# OKINAWA WATER SYSTEM



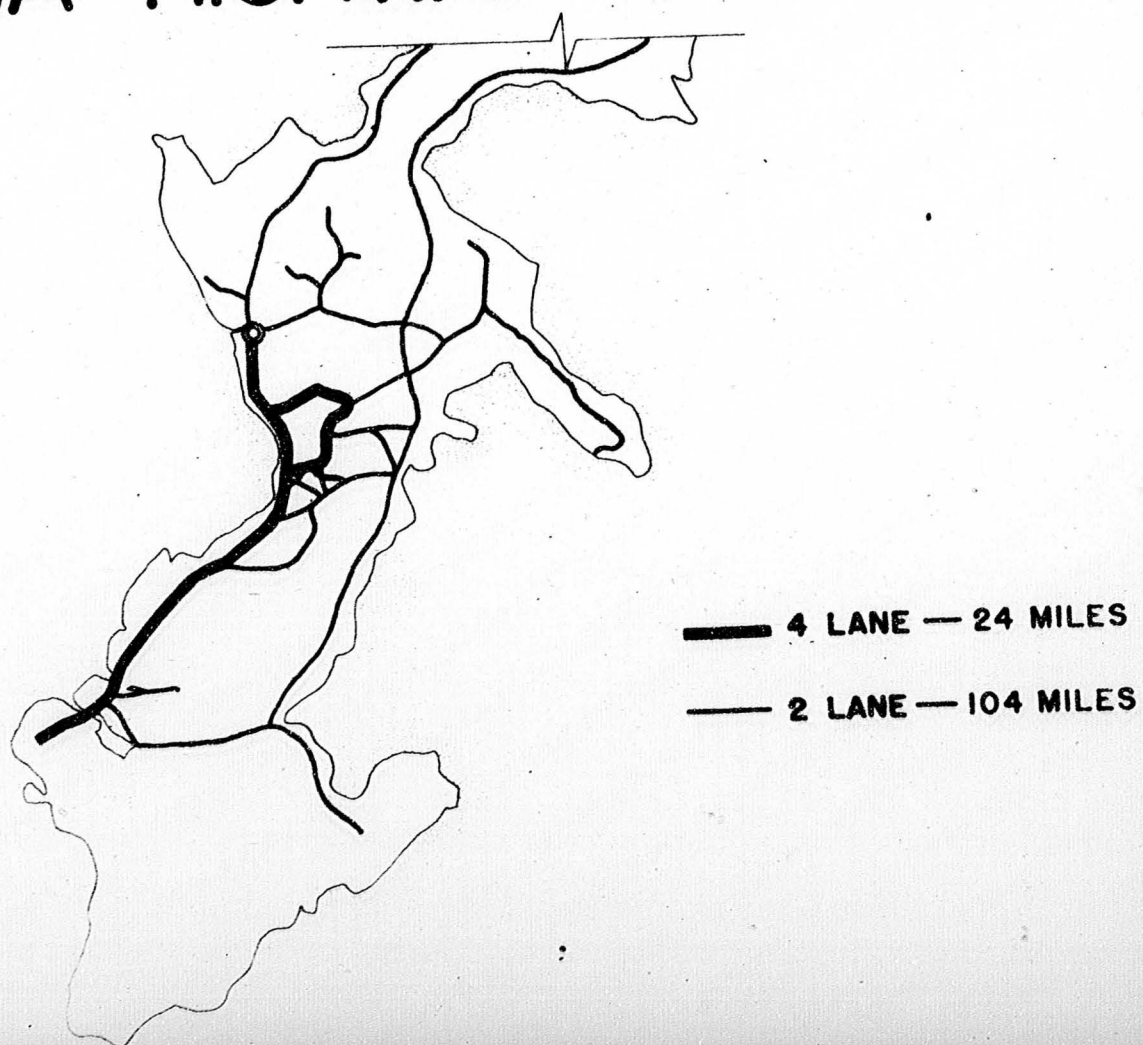
## DEVELOPMENT PROGRAM \$2,667,500

	FY 59	FY 60	FY 61
-----	270,000		
.....	641,000		
	400,000		
-----		110,000	
-----		627,000	
■			244,000
MISC	150,000	133,000	92,500
	<u>1,461,000</u>	<u>870,000</u>	<u>336,500</u>

# POL SYSTEM

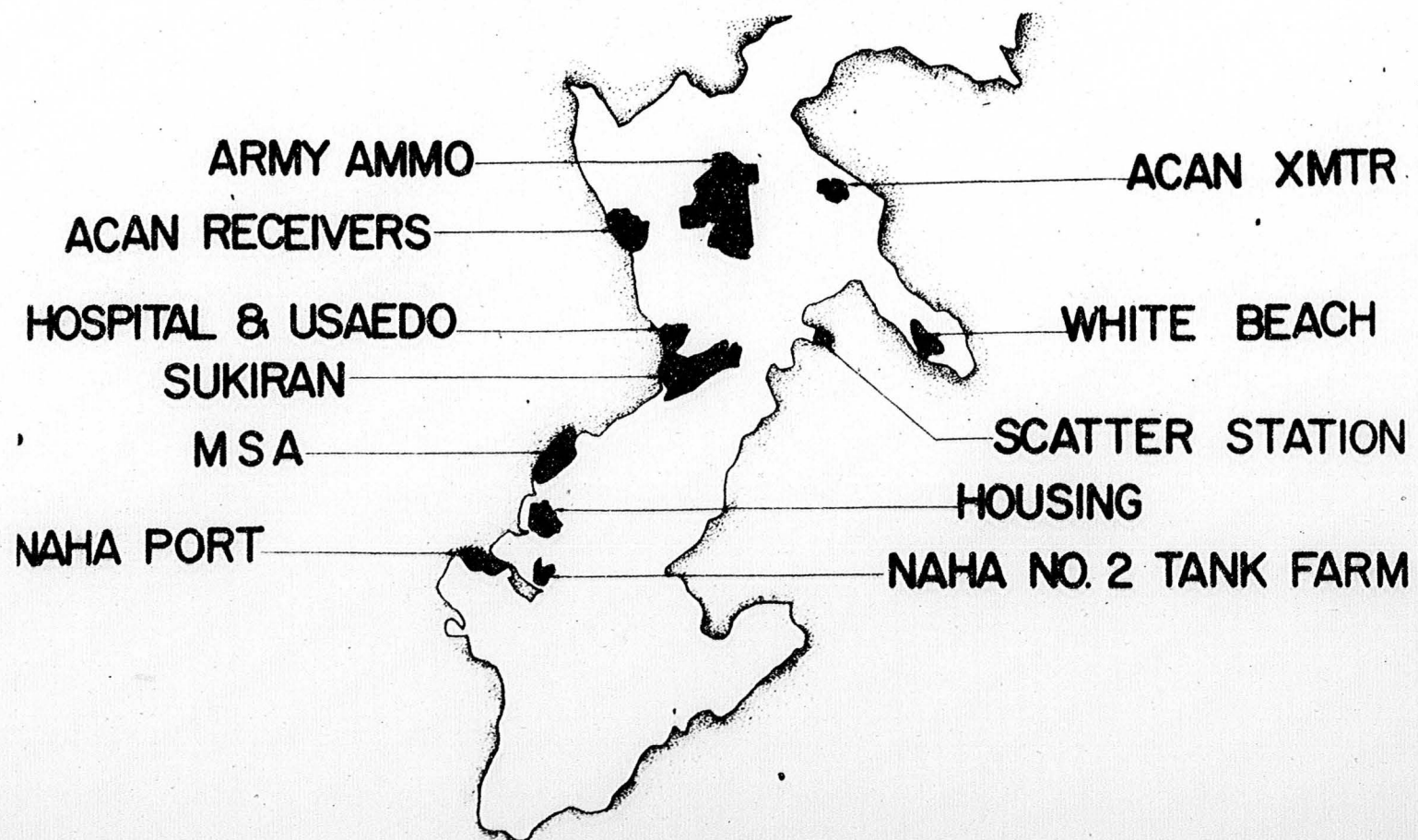


# OKINAWA HIGHWAY SYSTEM

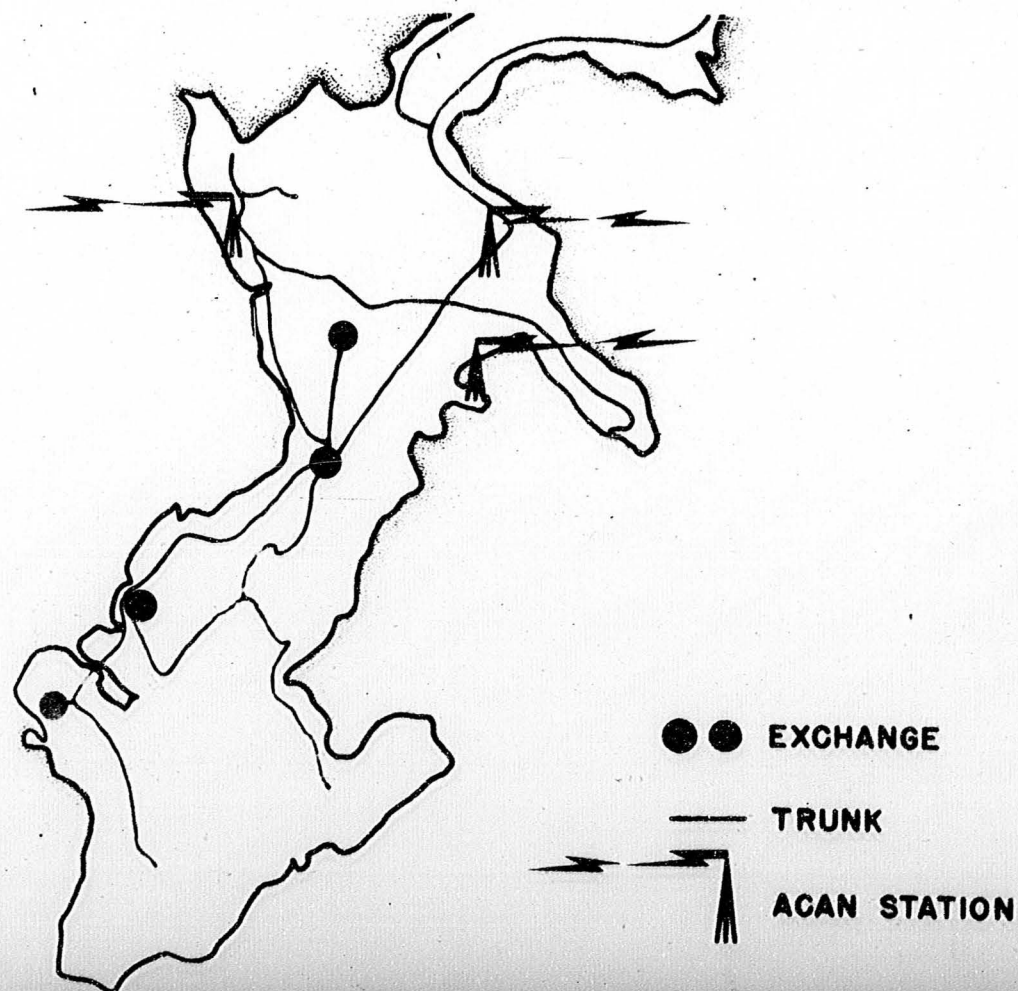




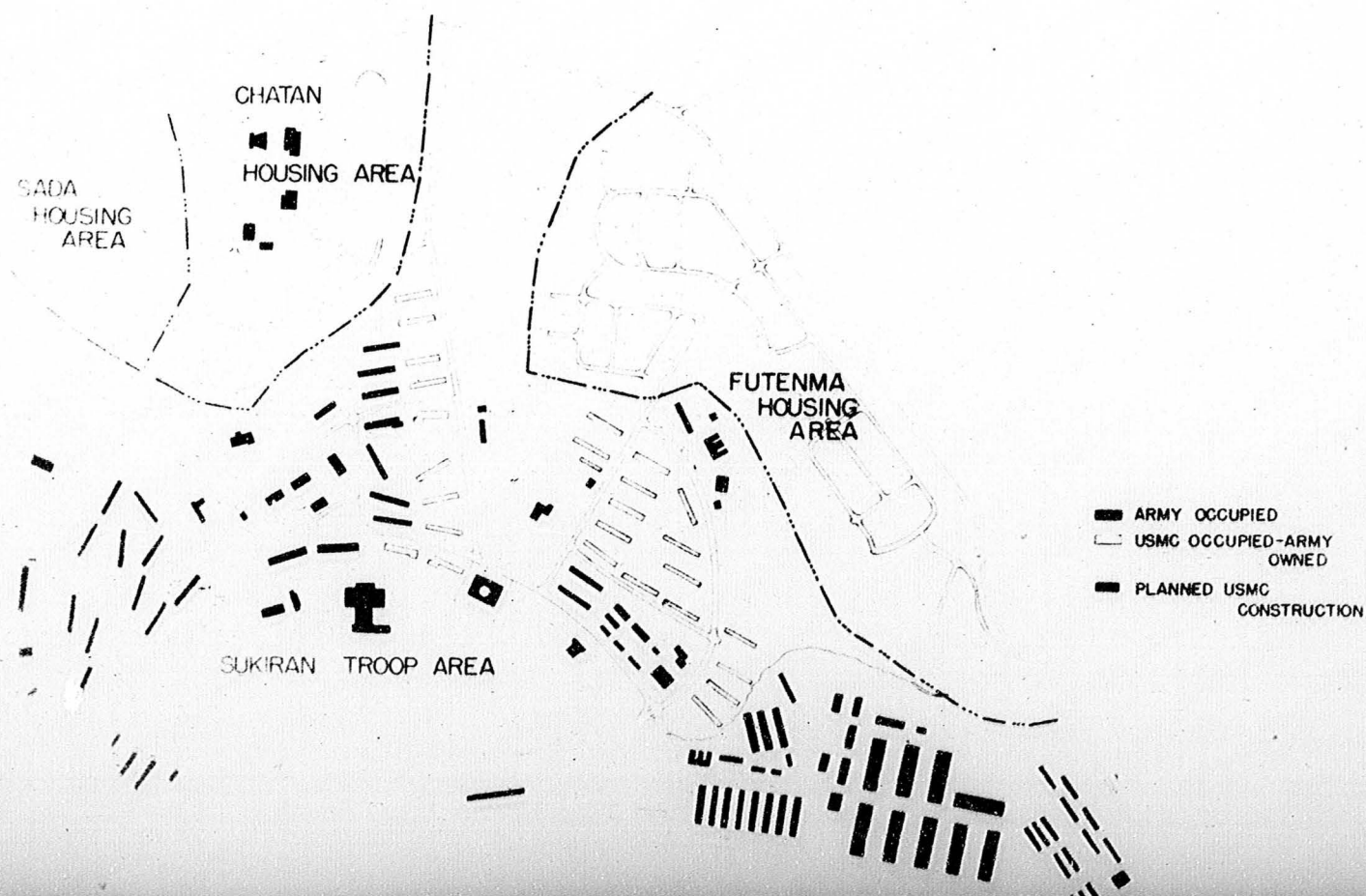
# ARMY INSTALLATIONS



# USARYIS COMMUNICATIONS

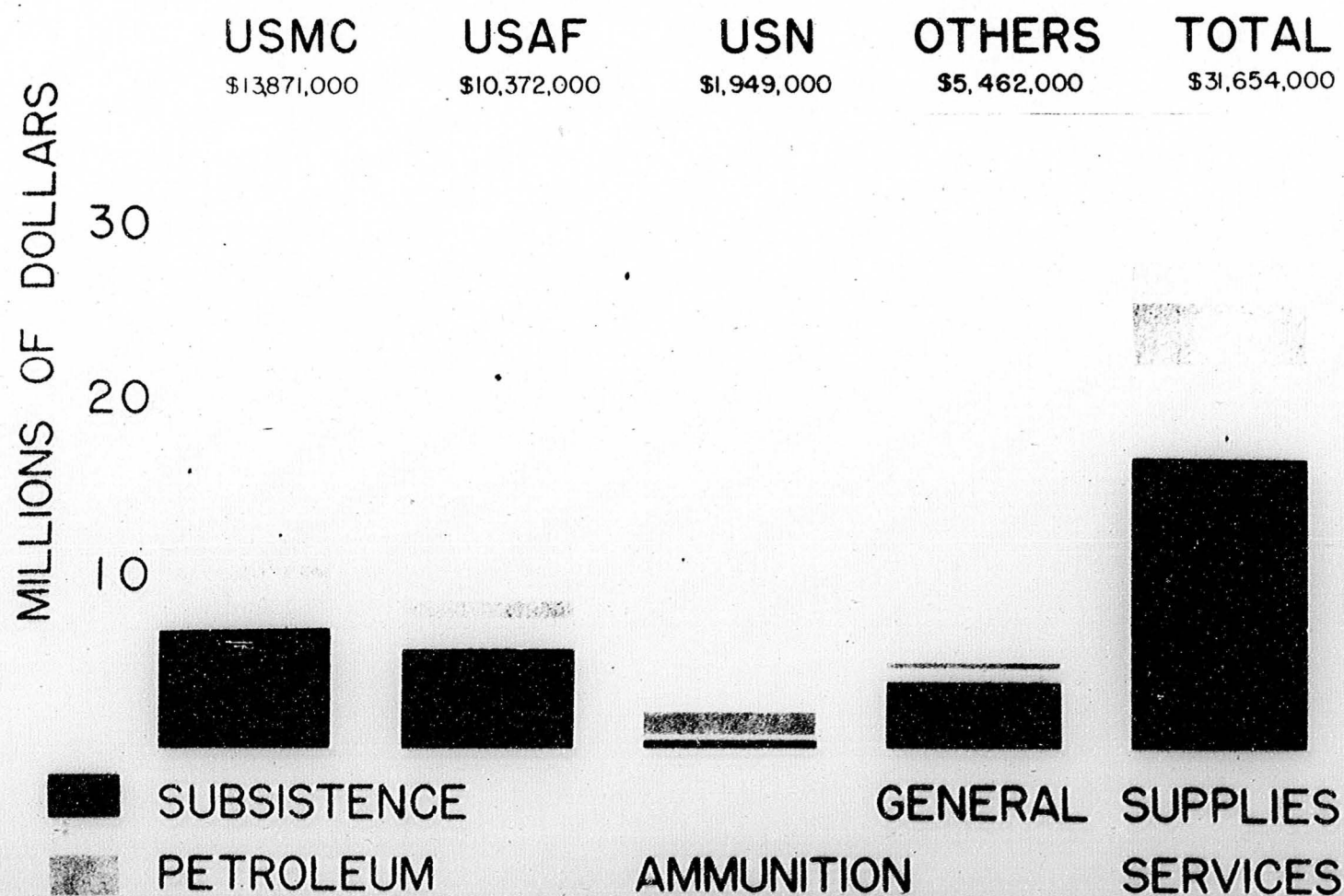


# UTILIZATION SUKIRAN

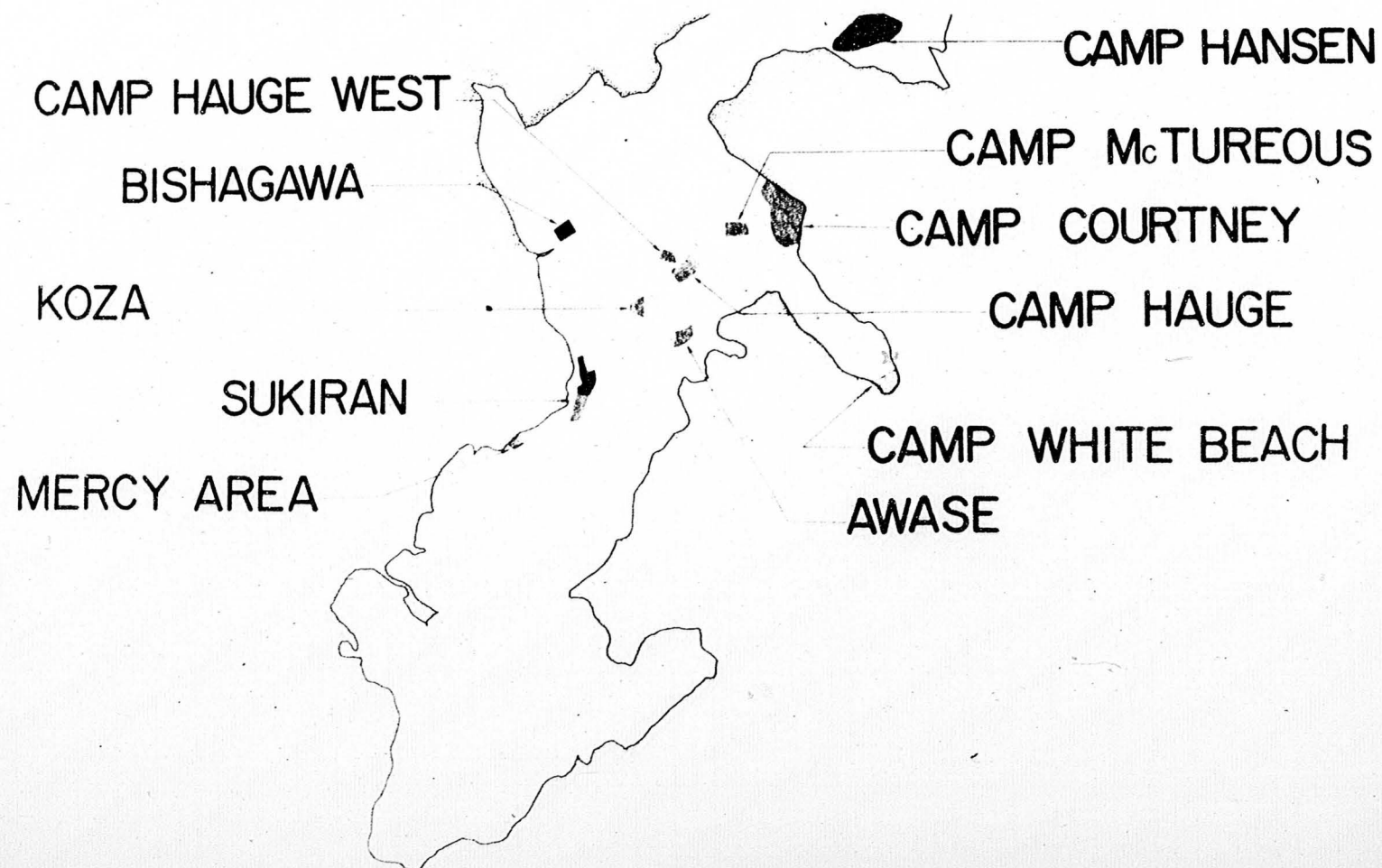




# REIMBURSABLE SUPPORT



# USMC INSTALLATIONS



SECRET

## AUTHORIZED STOCKAGE

EXPRESSED IN DAYS OF SUPPLY

### CLASSES OF SUPPLY:

CLASS I PERISHABLES AND NON-PERISHABLE

CLASS II-IV

PRIORITY LIST ITEMS (COMBAT RATES)

SELECTED NON-PRIORITY LIST ITEMS (PEACETIME RATES)

ALL OTHER (PEACETIME RATES)

CLASS III BULK AND PACKAGE

CLASS V (1) AT INTENSE RATES FOR COMBAT UNITS

(2) TRAINING REQUIREMENTS (MAXIMUM)

### STOCKAGE OBJECTIVES

60 d/s

60 "

60 "

60 "

30 "

60 "

1 YEAR

### AUTHORIZED RESERVES:

CLASS I "C" RATIONS

CLASS I ASSAULT RATIONS

B RATION COMPONENTS

CLASS III BULK AND PACKAGE - (COMBAT RATES)

RETENTION STOCK (MAXIMUM)

OPERATIONAL PROJECTS

11 d/s

1 "

30 "

75 "

18 MONTHS