

U.S. Naval Base, Pearl Harbor, Lualualei Radio HABS No. HI-152  
Transmitting Facility  
(U.S. Naval Base, Pearl Harbor, Naval Computer and  
Telecommunications Area Master Station Eastern Pacific)  
(Antenna Towers S-109, S-110, S-111)  
Edison and Tower Drives  
Pearl Harbor  
Honolulu County  
Hawaii

HABS  
HI  
2-PEHA,  
25-

**PHOTOGRAPHS**

**WRITTEN HISTORICAL AND DESCRIPTIVE DATA**

**Historic American Buildings Survey  
National Park Service  
Western Region  
Department of the Interior  
San Francisco, California 94107**

HABS  
HI  
2-PEHA,  
25-

HISTORIC AMERICAN BUILDING SURVEY

U.S. Naval Base, Pearl Harbor, Lualualei Radio Transmitting Facility  
Antenna Towers  
(U.S. Naval Computer and Telecommunications Area Master Station  
Eastern Pacific)

(Antenna Towers S-109, S-110, S-111)

HABS No. H1-152

Location: Edison and Tower Drive near Transmitter Building No.1  
Waianae  
Honolulu County  
Hawaii

USGS Pearl Harbor Quadrangle, Hawaii  
7.5 minutes series (orthophotoquad)  
Universal Transverse Mercator coordinates  
Antenna Tower S-109 - 4.586618.2370516 (scale 1:25,000)  
Antenna Tower S-110 - 4.586799.2370360 (scale 1:25,000)  
Antenna Tower S-111 - 4.586560.2370260 (scale 1:25,000)

Date of Construction: 1935

Engineer: Fourteenth Naval District, Navy Yard, Pearl Harbor

Present Owner: U.S. Naval Computer and Telecommunications Area Master Station

Present Use: The antenna towers were constructed of structural steel angles and riveted connections. They are self supporting structure and stand 300 feet in height. These antenna towers have no current use and are in excess to the mission of NCTAMS EASTPAC.

Significance: Antenna Towers S-109, S-110, S-111 are uncategorized facilities located outside the Pearl Harbor National Historic Landmark. The historical significance of the towers is due to their role both during and after World War II. Initially, these antenna towers were used to maintain communication for naval shore installations and fleet units in the Eastern Pacific area. Following the war, during the mid 1940's through the late 1960's, the towers were designated as the "Voice of America" towers used to broadcast American news internationally. Original construction drawings available on microfiche at the Navy Public Works Center, Pearl Harbor, Hawaii.

Report Prepared by: Lisa A. Chan, Civil Engineer  
Naval Public Works Center  
Project Development Branch  
Pearl Harbor, Hawaii 96860-5470

Date: January 1994

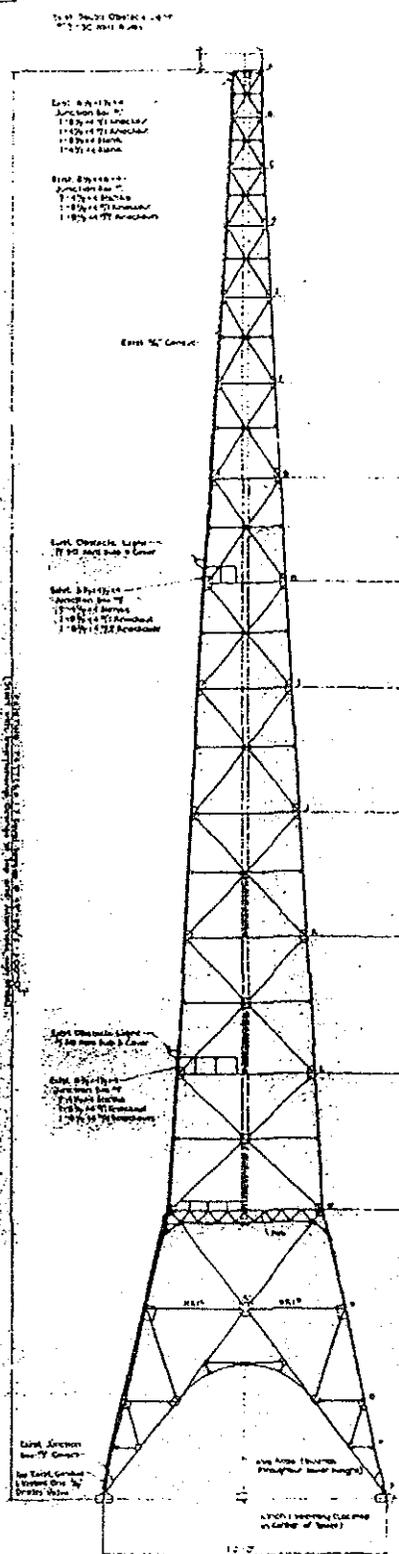
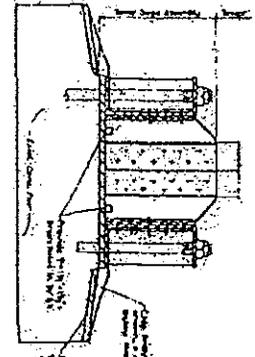
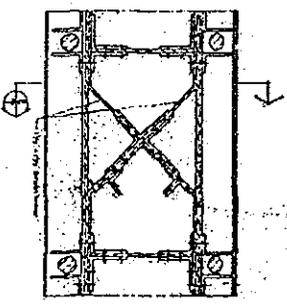
HABS No. HI-152

Source: Microfiche - Public Works Center, Pearl Harbor, Hawaii

# Antenna Tower S-109

REPAIR SCHEDULE-S109			
NO.	ITEM OF WORK	TOOK	REMARKS
1	Painting of tower structure	1957	
2	Replacement of steel plate	1957	
3	Replacement of steel plate	1957	
4	Replacement of steel plate	1957	
5	Replacement of steel plate	1957	
6	Replacement of steel plate	1957	
7	Replacement of steel plate	1957	
8	Replacement of steel plate	1957	
9	Replacement of steel plate	1957	
10	Replacement of steel plate	1957	
11	Replacement of steel plate	1957	
12	Replacement of steel plate	1957	
13	Replacement of steel plate	1957	
14	Replacement of steel plate	1957	
15	Replacement of steel plate	1957	
16	Replacement of steel plate	1957	
17	Replacement of steel plate	1957	
18	Replacement of steel plate	1957	
19	Replacement of steel plate	1957	
20	Replacement of steel plate	1957	

PLAN  
 SECTION  
 TOWER BASE ASSEMBLY



STEEL PLATE PATTERNS & LEVELS

RECORD DRAWING

OFFICE OF THE CHIEF OF ENGINEERS  
 U.S. NAVAL BASE, PEARL HARBOR, HAWAII

DESIGNED BY: [Name]  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 APPROVED BY: [Name]

DATE: 1957

Orientation Plan

Scale: 1/4" = 1'-0"

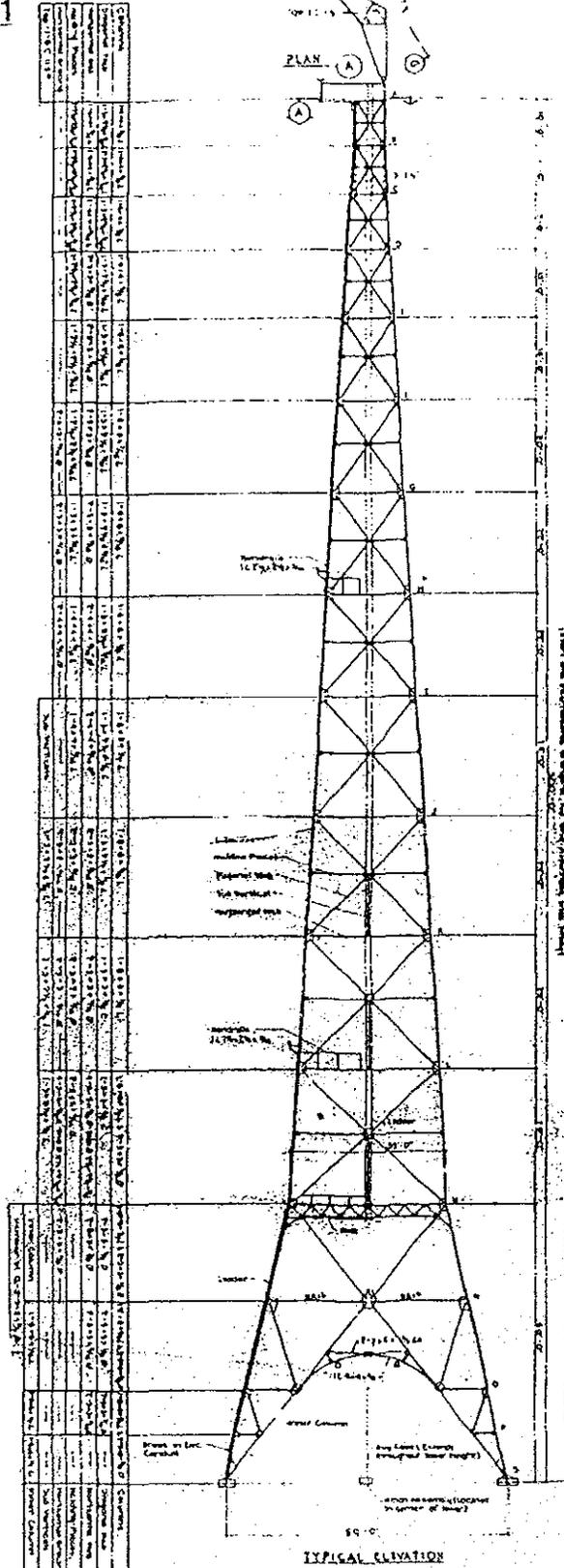
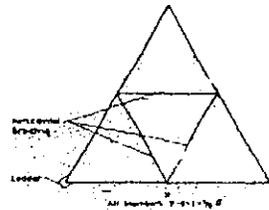
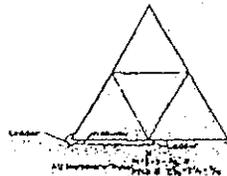
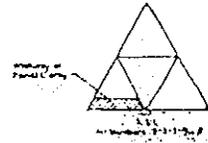
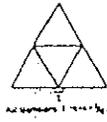
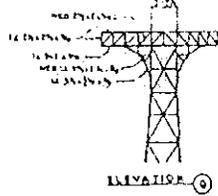


HABS No. HI-152

Source: Microfiche - Public Works Center, Pearl Harbor, Hawaii

### Antenna Tower S-111

NO.	ITEM OR WORK	REPAIR SCHEDULE - S-111	
		START DATE	FINISH DATE
1	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
2	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
3	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
4	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
5	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
6	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
7	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
8	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
9	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
10	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
11	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
12	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
13	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
14	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
15	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
16	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
17	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
18	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
19	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53
20	Remove old tower of same height, located on the same site as the new tower.	1/15/53	1/20/53



TYPICAL ELEVATION  
 EXISTING TOWER S-111  
 Scale: 1/4" = 1'-0"

ORIENTATION PLAN

**STADING SCALE**

1" = 10'

1" = 20'

1" = 30'

1" = 40'

1" = 50'

1" = 60'

1" = 70'

1" = 80'

1" = 90'

1" = 100'

1" = 110'

1" = 120'

1" = 130'

1" = 140'

1" = 150'

1" = 160'

1" = 170'

1" = 180'

1" = 190'

1" = 200'

1" = 210'

1" = 220'

1" = 230'

1" = 240'

1" = 250'

1" = 260'

1" = 270'

1" = 280'

1" = 290'

1" = 300'

1" = 310'

1" = 320'

1" = 330'

1" = 340'

1" = 350'

1" = 360'

1" = 370'

1" = 380'

1" = 390'

1" = 400'

1" = 410'

1" = 420'

1" = 430'

1" = 440'

1" = 450'

1" = 460'

1" = 470'

1" = 480'

1" = 490'

1" = 500'

1" = 510'

1" = 520'

1" = 530'

1" = 540'

1" = 550'

1" = 560'

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1" = 630'

1" = 640'

1" = 650'

1" = 660'

1" = 670'

1" = 680'

1" = 690'

1" = 700'

1" = 710'

1" = 720'

1" = 730'

1" = 740'

1" = 750'

1" = 760'

1" = 770'

1" = 780'

1" = 790'

1" = 800'

1" = 810'

1" = 820'

1" = 830'

1" = 840'

1" = 850'

1" = 860'

1" = 870'

1" = 880'

1" = 890'

1" = 900'

1" = 910'

1" = 920'

1" = 930'

1" = 940'

1" = 950'

1" = 960'

1" = 970'

1" = 980'

1" = 990'

1" = 1000'

REVISION

OFFICE OF CHIEF ENGINEER  
 U.S. NAVAL BASE, PEARL HARBOR, HAWAII  
 PROJECT NO. 100-110-111  
 TOWER S-111  
 1/15/53

