

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAWAIIAN ELECTRIC COMPANY, WAI AU POWER PLANT,
UNIT 1 & 2 BUILDING
475 Kamehameha Highway
Pearl City
Honolulu County
Hawaii

HAER No. HI-120

David Franzen, Photographer
Exterior photographs 1-8 taken on February 6, 2014
Interior photographs 9-28 taken on September 23, 2013

- HI-120-1 ELEVATION SHOWING EXTANT SMOKESTACK. VIEW FACING
SOUTHWEST.

- HI-120-2 OBLIQUE VIEW SHOWING THE ADDED CONCRETE EXTERIOR WALLS OF
THE FIRST AND SECOND FLOOR. NOTE THE UPPER PORTION OF THE
SMOKESTACK VISIBLE AT LEFT. VIEW FACING SOUTH.

- HI-120-3 PARTIAL ELEVATION WITH SCALE DEVICE IN 1' INCREMENTS. SHOWING
THE SINGLE STORY PORTION AT RIGHT. VIEW FACING SOUTHEAST.

- HI-120-4 OBLIQUE VIEW SHOWING THE SINGLE STORY PORTION EXTENDING TO
THE RIGHT ALONG THE SIDE OF THE BUILDING. VIEW FACING EAST.

- HI-120-5 PARTIAL ELEVATION WITH SCALE DEVICE IN 1' INCREMENTS. SHOWING
THE ORIGINAL 35-LIGHT WINDOWS AT THE THIRD FLOOR. NOTE THE
CONCRETE CONSTRUCTION OF THE EXTERIOR WALL RISES TO A
LOWER LEVEL ON THIS SIDE OF THE BUILDING. VIEW FACING
NORTHEAST.

- HI-120-6 OBLIQUE VIEW OF THE SOUTHWEST SIDE. WAI AU UNIT 3 & 4 IS ON THE
RIGHT. VIEW FACING NORTH.

- HI-120-7 VIEW OF THE SMOKESTACK FORMERLY SERVICING UNIT 1. TAKEN
FROM THE ROOF OF UNIT 3 & 4. NOTE THE TAPERED BASE OF THE
STACK. VIEW FACING WEST.

- HI-120-8 DETAIL VIEW OF THE TAPERED BASE OF THE UNIT 1 STACK. NOTE
ORIGINAL RIVETED CONSTRUCTION OF THE BASE AND NEW, WELDED
CONSTRUCTION OF THE VERTICAL UPPER PORTION OF THE STACK.
VIEW FACING SOUTHEAST.

- HI-120-9 INTERIOR OVERVIEW LOOKING DOWN ONTO THE TURBINE DECK WITH
THE BOILERS ON THE LEFT (UNIT 1 IN FOREGROUND, UNIT 2 IN
BACKGROUND) AND TURBINES AND GENERATORS ON THE RIGHT.
VIEW FACING SOUTHEAST.

- HI-120-10 CONDENSER FOR UNIT 2, VIEW FROM THE MAIN FLOOR. VIEW FACING
NORTHWEST.

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- HI-120-11 CIRCULATING WATER PUMPS FOR COOLING WATER. VIEW FACING SOUTHEAST.
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HI-120-27 DETAIL OF ACCESS DOOR ON UNIT 2 BOILER WITH BABCOCK & WILCOX
MARKING. VIEW FACING NORTH.

HI-120-28 PIPING AT REAR OF UNIT 2 BOILER. VIEW FACING SOUTHEAST.

PHOTO KEY

