

KEKAHA SUGAR COMPANY, WAREHOUSE-FIELD EQUIPMENT
REPAIR SHOP
8315 Kekaha Road
Kekaha
Kauai County
Hawaii

HAER HI-83-E
HI-83-E

PHOTOGRAPHS
WRITTEN HISTORICAL AND DESCRIPTIVE DATA
FIELD RECORDS

HISTORIC AMERICAN ENGINEERING RECORD
National Park Service
U.S. Department of the Interior
1849 C Street NW
Washington, DC 20240-0001

HISTORIC AMERICAN ENGINEERING RECORD
WAREHOUSE-FIELD EQUIPMENT REPAIR SHOP
KEKAHA SUGAR COMPANY

HAER No. HI-83-E

Location: Kekaha Road
Kekaha
County of Kauai
Hawaii

USGS 7.5 minute series topographic map,
Kekaha, HI 1983
Universal Transverse Mercator (UTM) coordinates:
04.431600.2429880

Date of Construction: 1965

Engineers & Builders: Unknown

Present Owner: Kekaha MS, LLC

Present Occupant: Vacant

Present Use: Abandoned

Significance: The warehouse-field equipment repair shop is associated with the history and development of Kekaha Sugar Company's mill. It is a good example of a warehouse building constructed in Hawaii in the last half of the twentieth century.

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Date: December 2008

GENERAL DESCRIPTION AND LOCATION

The Warehouse-Field Equipment Repair Shop Building is located on the premises of the Kekaha Sugar Company's mill site. The 60' x 158' rectangular building sits to the west of the mill, south of the factory office, and to the east of the automobile and tractor repair shop. It has a concrete slab foundation with a 4" lip and corrugated metal walls. Its corrugated-metal, gable roof rises 31'-6" to the peak of its gable and runs the length of the building. The building housed two different functions, separated from each other by a corrugated metal wall with a screened section at its top. The warehouse occupying the northern section is six bays long, and the repair shop in the southern section is two bays.

The warehouse section is a simple, windowless building with each of its six bays demarcated by a 12" I-beam column. The columns are 19'-9" on center and support similarly sized I-beams that serve as roof rafters. Above the rafters are seven steel purlins, made of 4" steel channels that run the length of the building and carry secondary rafters at the mid-point of each bay. Translucent, corrugated plastic roofing serves as skylights, sitting along the midline of each bay between the second and fifth purlins, except for the first and last bays. Four rotary vents along the ridgeline help to cool the building.

The corrugated-metal walls sit on the foundation lip. Four interior girts are set five apart and stiffen the 22' high walls. These girts are made of 4" steel channels. The only breaks in these walls are 15' tall, sliding doors in both walls of the second bay from the north end and a 4' wide hinged door located in the northern-most bay on the east wall. The sliding doors extend the width of the bay.

The warehouse is a large open space that is only interrupted along the north wall. Here a 10' x 18', flat-roofed office is located in the west corner. It is comprised of a 3'-4" high hollow-tile wall surmounted by a 6' high frame structure. It features three sets of steel windows, with each set comprised of a six-light casement window flanked by sidelights of three panes. From the office, a 5'-5" high wire mesh enclosure extends across the remainder of the north wall.

The field equipment repair shop occupies the two southern bays of the building. It is structurally the same as the warehouse, except it has no skylights or vents and is completely open on its western side. A large sliding door is set in the southern bay of the east wall. An intact traveling crane, whose rails are supported by the structural columns, serviced this shop.

HISTORICAL CONTEXT

See the HAER Report (HAER No. HI-83-A) for the Kekaha Sugar Company Sugar Mill Building for the development of the Kekaha Sugar Company's sugar mill.

SOURCES

Original Drawings:

Approximately one hundred original drawings and blue prints for the Kekaha Sugar Company's Sugar Mill and its machinery exist. These abandoned drawings were discovered in the mill office, and are incomplete. The plans will be deposited in an appropriate repository, which has yet to be determined. In addition, the Kauai Historical Society has a collection of drawings and maps relating to Kekaha Sugar Company, including the General Appraisal Company map. The following drawings provided information for this report.

Title & Sheet #	Date	Office in Title Block	Drawn By	Drawing Number
Fire Protection System	June 25, 1941	Civil Engineering and Survey Department		383
Factory Map	Nov 1964	General Appraisal Company		
Fire Protection System	July 22, 1969	Factory Department	J.K.	
Fire Protection System	Feb 17, 1985	Factory Department	J.K.	

Sanborn Fire Insurance Map for 1919.

PROJECT INFORMATION

The following documentation was prepared in response to the proposal to demolish the historic property and build housing on the approximately twenty one acre parcel. The purpose of this documentation is to historically record the architectural and mechanical elements of the mill and its supporting structures. The property owner and the Hawaii State Historic Preservation Division (SHPD) have agreed that the mill complex is over fifty years old.. The SHPD in a July 15, 2008 letter indicated that the office believed the mill complex met the criteria for inclusion in the National Register of Historic Places. SHPD recommended that HABS documentation be completed as a means of mitigating the loss of this historic property. The owner agreed to the SHPD's request for

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KEKAHA SUGAR COMPANY MILL
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documentation, and after further discussion between Mason Architects and SHPD concerning the presence of intact machinery in the mill, it was decided the documentation would follow Historic American Engineering Record (HAER) standards.

The project manager for the HAER documentation was Polly Cosson Tice of Mason Architects, Inc. Don J. Hibbard, Ph.D. and Wendy Wichman of Mason Architects were the researchers and authors of the reports. Both Polly Cosson Tice and Don Hibbard are architectural historians who meet the Secretary of the Interior's Professional Qualifications in architectural history. Carol Stimson of Mason Architects assisted with the editing and production of the reports. The large-format photographs were taken by David Franzen of Franzen Photography.

