

HISTORIC AMERICAN BUILDINGS SURVEY

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U.S. NAVAL BASE, PEARL HARBOR, NAVAL RADIO STATION, HABS HI-522-B
AF/FRD-10 CIRCULARLY DISPOSED ANTENNA ARRAY
(Naval & Computer Telecommunications Area Master Station,
AF/FRD-10 Circularly Disposed Antenna Array)
(Pacific NCTAMS PAC, Facility 314)
Wahiawa
Honolulu County
Hawaii

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David Franzen, photographer, October 2006

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|------------|---|
| HI-522-B-1 | Overview of Facility 314, view facing northwest |
| HI-522-B-2 | Roadway into Facility 314 showing the roadway cut through the slope formed by leveling the area for the CDAA, note the concrete curb on the right side of the roadway, view facing west |
| HI-522-B-3 | Level area surrounding Facility 314 showing the planted ring that contains the radial ground wires, note the ring beneath the antenna circles is cleared of vegetation and covered with gravel, view facing southwest |
| HI-522-B-4 | Panorama, section 1 of 3, view facing west southwest |
| HI-522-B-5 | Panorama, section 2 of 3, note the Operations Building (Facility 294) in the center of facility, view facing west |
| HI-522-B-6 | Panorama, section 3 of 3, view facing west northwest |
| HI-522-B-7 | Elevation of a portion of the reflector screen and antenna circles from the interior, view facing southeast |
| HI-522-B-8 | Detail of 94' low-band reflector screen posts, note the concrete curb and vertical wires between posts, view facing north northeast |

U.S. NAVAL BASE, PEARL HARBOR, NAVAL RADIO

HABS HI-522-B

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- HI-522-B-9 Detail of dipole antenna element (right) and 94' low-band reflector screen poles (left), note the guy wires from the antenna element, view facing north northeast
- HI-522-B-10 Detail of 25' high-band reflector screen poles with monopole antenna elements behind, note the metal sleeve bases of the reflector screen poles and the guy wire anchors from the dipole antenna elements (left foreground), view facing north northwest
- HI-522-B-11 Detail of monopole antenna element (right) and 25' high-band reflector screen poles (left), view facing northeast
- HI-522-B-12 Detail of the base of dipole antenna element with graduated pole, note the arms supporting the vertical wires away from the mast and the metal mesh covering the concrete base, view facing west
- HI-522-B-13 Detail of base of monopole antenna element with graduated pole, view facing north
- HI-522-B-14 Detail of 25' high-band reflector screen pole showing the horizontal wood beams and vertical wires hung from ceramic insulators, note the dipole antenna element and 94' low-band reflector screen poles in background, view facing north
- HI-522-B-15 Detail of the underground wire net mat and cable at the base of a 94' low-band reflector screen pole, view facing north

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Facility 314

