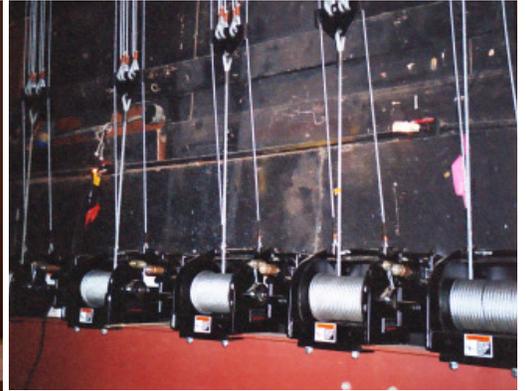


Theatre Application

DIAMOND HEAD THEATER - HONOLULU, HI



REQUIREMENTS: Lifting/Lowering | 500 - 1,000 lb load capacity | Dependable holding ability at load capacity | Manual operation | Lock-out pin |

Honolulu's Diamond Head Theatre (DHT) has a rich history as the third-oldest, continuously operating theatre in the United States. The theatre began performances in 1915 at the Honolulu Opera House.

In 1952 the theatre, then named the Honolulu Community Theatre, refurbished the Fort Ruger Theatre, a one-time movie house for the Army Post. The theatre became a fully modern venue for stage productions.

According to Patrick Kelly, technical director for the theatre, "Originally everything was hung from the ceiling I-beams or roof timbers, a nightmare as far as safety was concerned." With the installation of the grid came the need for a safer lift system. At a grid height of 20 feet, with a proscenium opening of 14-16 feet and no fly loft, it was not feasible for the theatre to fly equipment during performances. So, they began looking primarily for a system that would be used as a load-in area to hang borders, drapery and lighting equipment between shows. The solution they chose was to install a series of nine Thern CW1-1000 Clew Winches that would be used to lift and then hold lighting and scenery pipes

above the proscenium opening when they were not in use. Designed specifically with the theatre/entertainment industry in mind, the Thern CW1-1000 Clew Winch offers the dependable holding capacity that DHT needs to confidently lift multi-line loads and hold them overhead when not in use.

Additionally, The CW1-1000 is designed with a lock-out pin to secure the drum to the frame in 12 different positions at 30° increments (less than 2 inches of load travel) to provide secondary load holding and prevent unauthorized use. An automatic Weston style brake provides the primary source of positive load control. The entire renovation of Diamond Head Theatre including planning took several months, but they were fully operational again just in time for their holiday production of *The Sound of Music*.



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STAGE EQUIPMENT