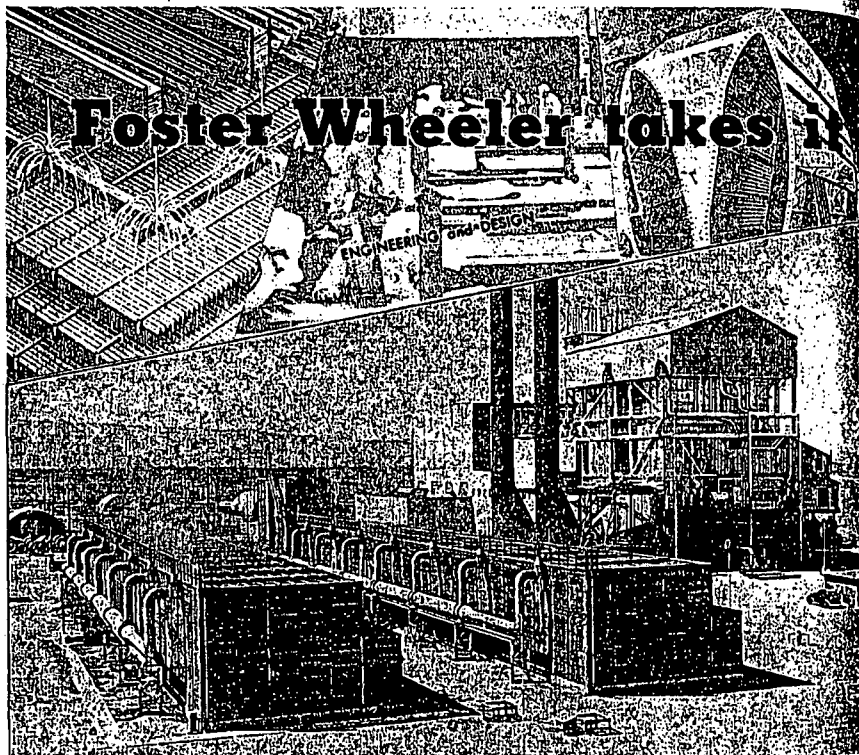
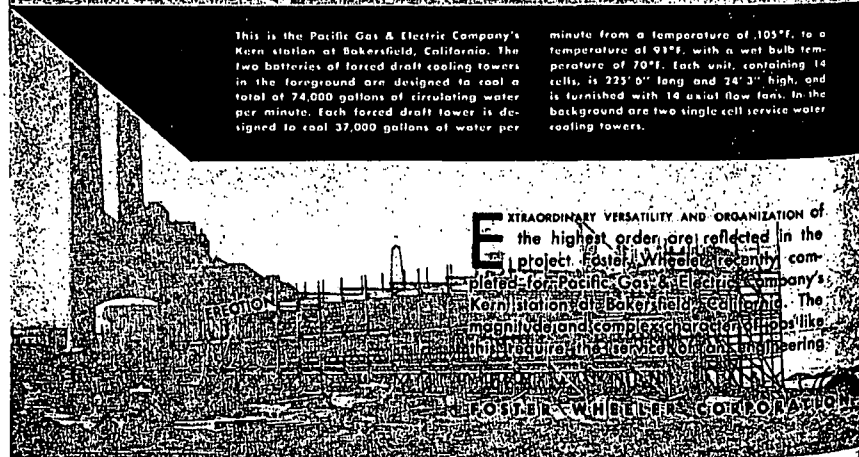


Foster Wheeler takes it in stride...



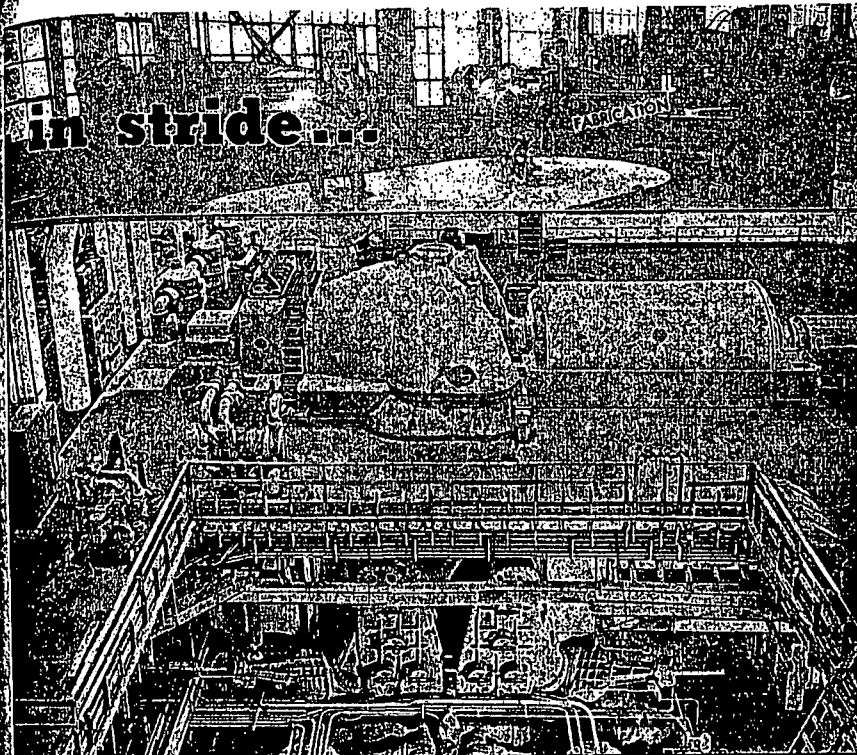
This is the Pacific Gas & Electric Company's Kern station at Bakersfield, California. The two batteries of forced draft cooling towers in the foreground are designed to cool a total of 74,000 gallons of circulating water per minute. Each forced draft tower is designed to cool 37,000 gallons of water per

minute from a temperature of 105°F. to a temperature of 93°F. with a wet bulb temperature of 70°F. Each unit, containing 14 cells, is 225' 0" long and 24' 3" high, and is furnished with 14 axial flow fans. In the background are two single cell service water cooling towers.



EXTRAORDINARY VERSATILITY AND ORGANIZATION of the highest order are reflected in the project. Foster Wheeler recently completed for Pacific Gas & Electric Company's Kern station at Bakersfield, California. The magnitude and complexity of the project like this required the services of an engineering

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The divided water box condenser shown above serves a 60,000 kw turbine unit at the Kern Plant. The condenser has an effective length of 26 ft., and contains 35,000 sq. ft. of surface. The cross flow design, providing a central steam lane between the two banks, permits the best possible supply of steam to the hotwell for deaeration and reheat of the condensate. Circulating pumps

receive water from the forced draft cooling towers and deliver it to the condenser and back to the cooling tower for re-cooling. Condenser auxiliaries include a 2,000 gallon storage hotwell, twin-cement, two-stage steam jet air ejectors, hogging and priming jets, three-stage centrifugal hotwell pumps, and the circulating pumps mentioned above.



organization which knows how to handle a job from the proposal stage to the finished construction. The fact that Foster Wheeler is geared to accept many projects of equal size and larger going at the same time indicates the scope of FW engineering and manufacturing capabilities.

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