

TYPICAL RILEY

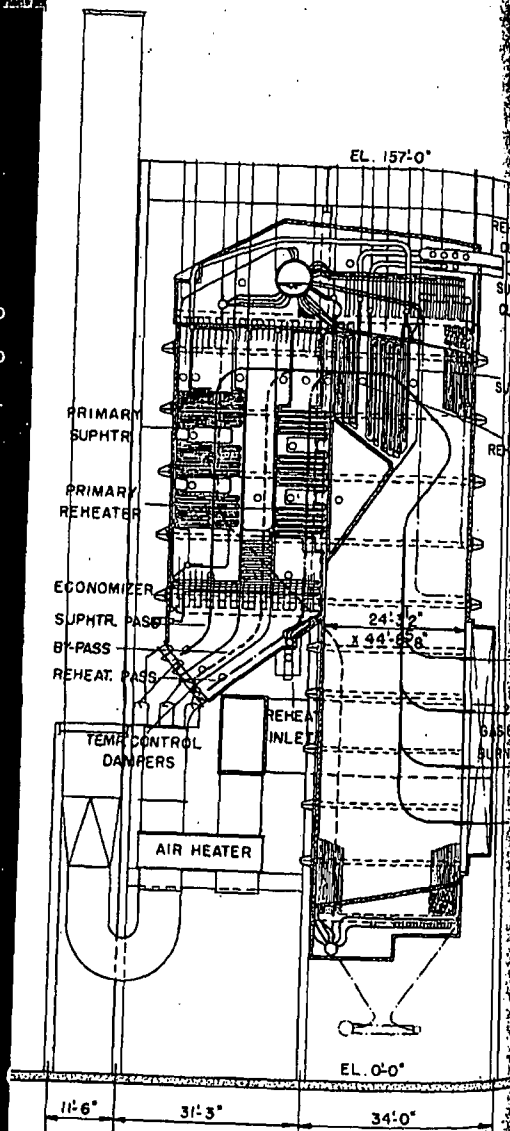
1,250,000 lbs./hr. REHEAT UNIT

Capacity—1,250,000 lbs./hr.
Design Pressure—2125 psig.
Superheater Outlet Pressure—1925 psig.
Steam Temperature—1005°F.
Reheater Capacity—1,148,000 lbs./hr.
Reheater Outlet Pressure—470 psig.
Reheater Temperature—1005°F.
Efficiency Gas Firing—83.7%
Preturized Furnace
Fired by Gas, Oil Standby
Designed for future conversion to Lignite firing.

AUTOMATIC STEAM & REHEAT TEMPERATURE CONTROL

This typical Riley Reheat installation utilizes gas by-pass dampers located in a low-temperature area beneath the Economizer to automatically proportion the gas flows over the Superheater and Reheater primary surfaces. Steam temperatures and reheat temperatures are maintained constant at 1005° Fahrenheit over a wide load range. At high loads, it is required to maintain desired temperatures, part of the gases can be by-passed through the open lane between Reheater and Superheater primary surfaces. Note extra Economizer surfaces in the By-Pass line. This arrangement provides for approximate uniform exit gases.

You, too, can rely on Riley experience and know-how when considering steam generation and fuel burning equipment.



These large Public Utility Companies
have ordered **RILEY** Reheat Units
with steam capacities as high as
1,250,000 pounds per hour!

● HOUSTON LIGHTING & POWER CO.

1,250,000 lbs./hr.
2075 psig. 1005°F.
1005° Reheat

● DALLAS POWER & LIGHT CO.

1,250,000 lbs./hr.
2075 psig. 1005°F.
1005° Reheat

● TEXAS ELECTRIC SERVICE CO.

1,250,000 lbs./hr.
2075 psig. 1005°F.
1005° Reheat

● PUBLIC SERVICES OF INDIANA

884,000 lbs./hr.
2050 psig. 1005°F.
1005° Reheat

● DEPT. OF WATER & POWER

City of Los Angeles, Cal.
1,200,000 lbs./hr.
2075 psig. 1000°F.
1000° Reheat

● LOUISIANA POWER & LIGHT CO.

1,000,000 lbs./hr.
1725 psig. 1005°F.
1005° Reheat

● UTAH POWER & LIGHT CO.

575,000 lbs./hr.
1700 psig. 1000°F.
1000° Reheat

These are but a few of the big Riley installations that are being ordered by power companies in State after State across the country. The Houston Lighting & Power Company, one of the large Southwest public utilities, has recently ordered two of the big 1,250,000 pounds per hour Riley Reheat Units. These will be their tenth and eleventh Riley units, nine others having been installed during the past fifteen years. These Riley units will

Increase the Houston Company's steam capacity to over 7,000,000 pounds per hour. Both the Texas Electric Service Company and the Dallas Power & Light Company will also increase their power generating facilities with similar units of 1,250,000 pounds per hour capacity . . . conclusive evidence that Riley enjoys the confidence of increasing numbers of big, expansion-minded power companies.



RILEY

STOKER CORPORATION

WORCESTER, MASS.
Boston, New York, Philadelphia, Buffalo,
Washington, Pittsburgh, Cleveland, Detroit,
Chicago, Cincinnati, Charlotte, New Orleans,
Atlanta, St. Louis, Kansas City, St. Paul,
Tulsa, Houston, Denver, Salt Lake City, Los
Angeles, Portland, Seattle

COMPLETE STEAM GENERATING UNITS

BOILERS • PULVERIZERS • BURNERS • STOKERS • SUPERHEATERS • ECONOMIZERS
WATER-COOLED FURNACES • STEEL-CLAD INSULATED SETTINGS • AIR HEATERS