a Legacy of Trust since 1974

AFBC BOILER



LLOYDS® ENGINEERING WORKS

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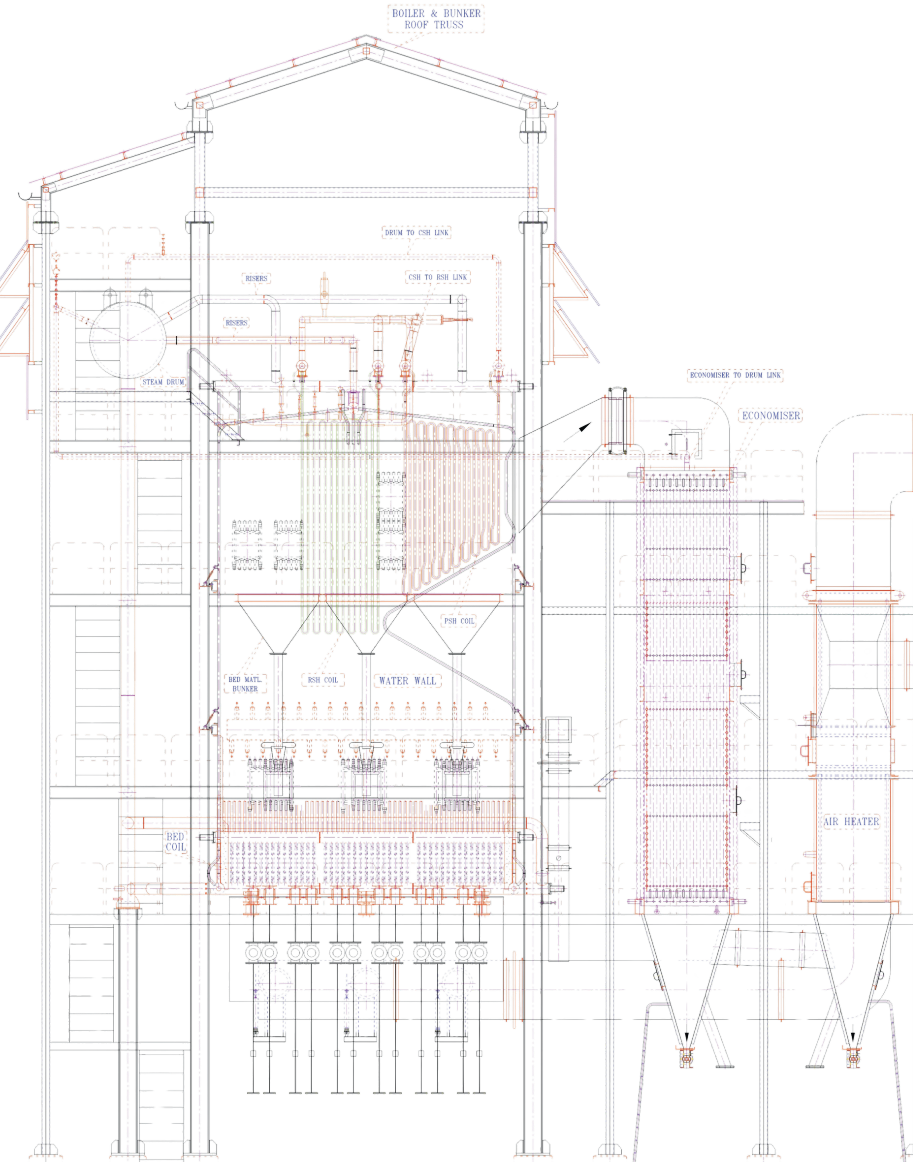
SALIENT FEATURES OF LLOYDS ATMOSPHERIC FLUIDIZED BED COMBUSTION BOILER



BEST COMBUSTION EFFICIENCY

- Proper excess air with a split of secondary air and Primary air
- Perfect Fluidization velocity
- Better Residence time

HIGHER AVAILABILITY, EASE OF OPERATION AND LESS MAINTENANCE

- Bed coils with higher pitch
- Studded Bed coil
- Air Nozzles
- Smooth flow of Fuel
- Mixing nozzle design

BEST BOILER EFFICIENCY

- Less un burnt carbon
- Less Dry Flue gas exit loss
- Less Radiation loss Less leakage





SALIENT FEATURES OF LLOYDS ATMOSPHERIC FLUIDIZED BED COMBUSTION BOILER

LONG LIFE & ROBUST DESIGN

- Optimum Velocity profiles
- Higher thickness & Superior material
- Less Erosion
- Flow pattern



BETTER TURN DOWN

- Thermal design
- Auxiliaries Sizing



SALIENT FEATURES

- Steam quality up to 99.99% to improve the life of Turbine
- Ease on Boiler Startup
- Better Steam water flow Circulation
- Less Erosion
- combustion without a risk of slagging and fouling
- Limit the NOX up to maximum extend
- More suitable for fuel having higher ashes & lower GCV
- Optimum mass velocity & Steam side pressure drop





SALIENT FEATURES OF LLOYDS ATMOSPHERIC FLUIDIZED BED COMBUSTION BOILER

OPEN BOTTOM HOPPER DESIGN (FUEL BED)

- Suitable for multi fuel like Char, Dolochar, Washery rejects, Rice husk & Coffee waste husk
- Low Sox
- Minimize the fuel ash agglomeration for biomass fuel







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