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TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

MB

Specifications for heavy fuel oil boiler

1. Steam output 2.5 - 3.0 t/h ← 2.35 proposed
   Steam pressure 4.0 - 5.0 bar ← 1.05 Proposed

2. Hot water output about 30 t/h
   Hot water temperature 95 - 105 'C
   Hot water pressure 3.0 - 4 bar
   } Not included in Proposal - Steam heating System Only

3. Requirements to power AC 220 V, 380 V f=60 Hz
   ↳ Not available (generally) use "step up" transformer to 460/60/3Ø

4. Equipments requested ← See sketch
   - Process equipments
     All equipments exept water softening equipment
     (marked in the diagram)
   - Electrical equipments ← Proposed
     Power supply panel (including cables)
     Control panel
     Accesaries
   - Automation and instrumentation equipments ← Proposed
     Sensor, Transmitter, Indicator and Recorder
     Automatic control elements
     (including air compressor in the case of phneumatic element)
     Accesaries
   - Valves and pipings ← inclusive on proposed skid only
   - Tools for assembling and maintenance ← for proposed equipment only.

CLAYTON PACKAGED BOILER SHOULD HAVE FUEL OIL PRE-HEATERS, ETC. PROBABLY ELECTRIC

5. HEAVY FUEL OIL "TANKER" (TRUCK) - Never Proposed

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CONFIRMED TO BE UNCLASSIFIED
DOE OFFICE OF CLASSIFICATION HS-93
T. Sieler T Sieler DR DATE: 1/15/2009

DOES NOT CONTAIN UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION

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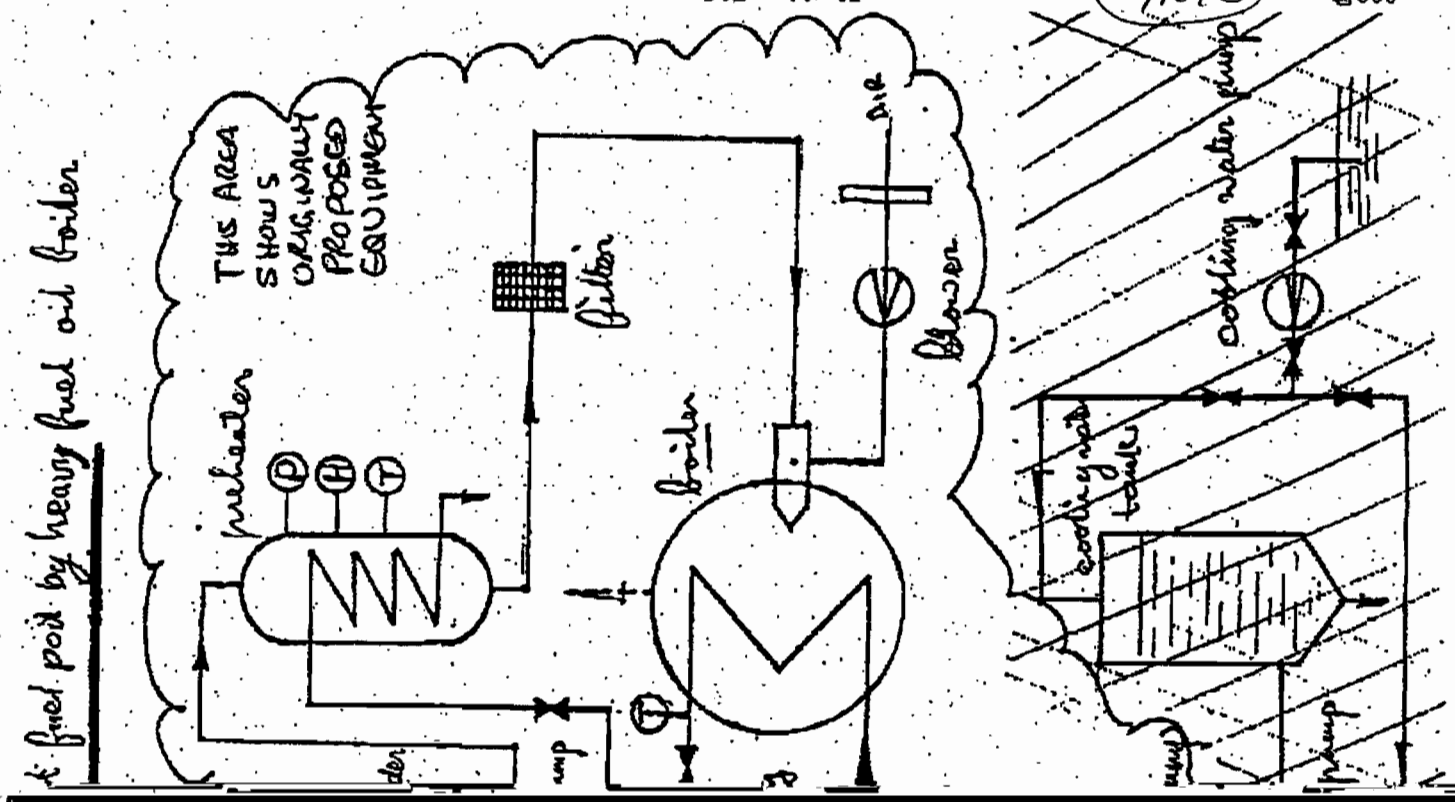

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