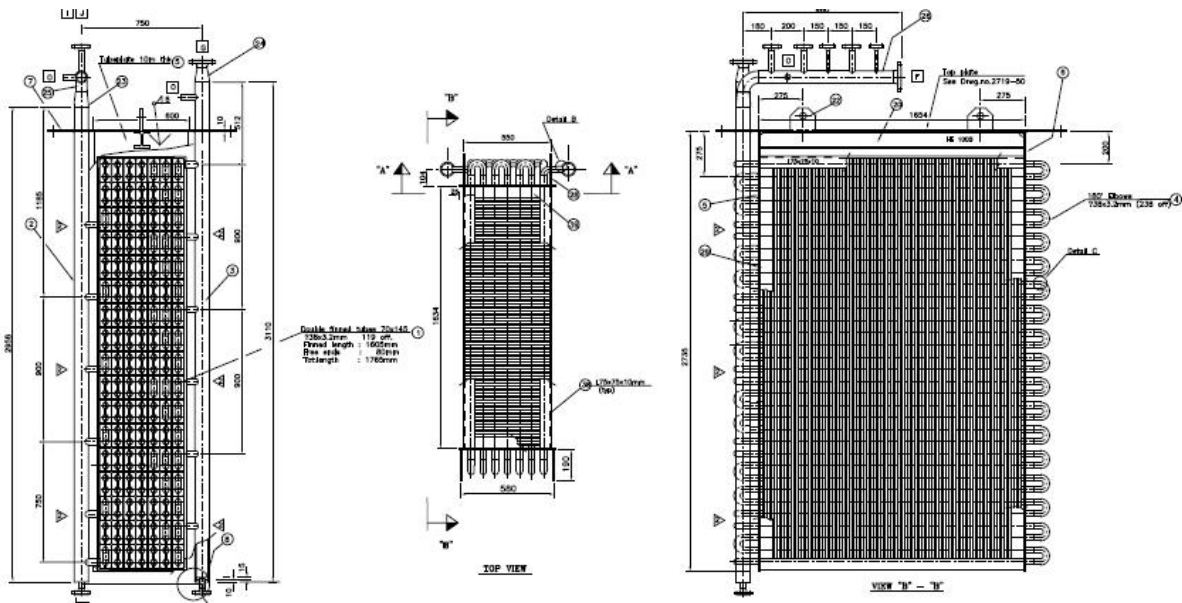


EXHAUST GAS FABRICATION AND INSTALLATION

STEP 1 – Situation: Due to busy workshop with various orders Renowned Boiler Manufacturer requested STEP to undertake the fabrication and installation of 1 Exhaust Gas Boiler and install on board vessel.



STEP 2 - Challenge: Material list and as built Drawings according to Makers specification, with Class approval and inspection



Preparation and drilling of Tube plate



Alignment of Tubes

STEP 3 – Action: Preparation of all Welding Procedures and Final Documentation to be approved by Class. Work Procedures sent to Client for pre-approval. All welding in GTAW, and SMAW with full NDT.



Welding on U-Bends and Top Cover



Inspection of welding



Liquid Penetrant on all welds

STEP 4 – Result:

- Class approved
- Pressure tested and Full NDT
- Completion 14 days
- Maker has repeated more orders