

Modular Piperacks

Peers Steelwork were successful in securing the design and supply of 500m of heavily loaded piperacks for a new distillation structure. The work space on site was very restricted due to the construction of a new tank farm, so the piperacks were designed as modules and constructed in a lay down area adjacent to the site.



Key Points:-

1. Construction of the modules off plot was critical to the success of the project as it enabled the tank construction to progress with minimum interference from the piperack construction.
2. Working at low level reduced the risk of accidents and reduced access costs.
3. The modules were built on temporary stubs. Once completed a mobile jacking trailer was used to lift the units off the supports and transport them to the on plot workface, where a mobile crane lifted them into position.
4. The modular construction meant there was 12% more steelwork, this was offset against an estimated 40% reduction in scaffold costs and a 25% reduction in mechanical assembly time due to increased production.
5. Cable tray supports were set inboard to allow them to be fitted prior to lifting. This further reduced the amount of working at height.
6. It is estimated that this form of construction saved 8 weeks on the site.

For further information contact Chris Achilles (Peers) – Tel 01204 558500.