

ABSTRACT

Design Of A Plant Layout For A Manufacturing Facility In The Garment Industry

Russel Hadeed

This project involved the use of several published, accepted approaches to plant layout in the design of a departmental facility plan for the proposed future premises of a garment factory.

E.S.F. Limited, a company well known in the garment manufacturing industry in Trinidad and Tobago, is considering a revision of its current production system and layout, with a view to merging three production lines into one line capable of manufacturing three related products.

Research was done on plant layout design, as well as selected issues in the global garment industry and that of Trinidad and Tobago.

Alternative designs were developed for the most active area of the facility, the Production Department. Using various methods, the perceived value of each design was analyzed and the "best" alternative chosen.

E.S.F.'s corporate policies and feedback from management and staff were also incorporated into the final design to produce a manufacturing environment for use by ESF Limited.

Keywords: Russel Hadeed, plant layout, garment industry.