



TESCO

We have been
developing and **improving**
the way we build towers over
the past 5 years



TESCO Fenny Lock

Location Size: 260,000ft²

Building Type: Warehouse

RSR were specifically chosen for this project because we had previously delivered a similar project to a professional level and standard expected from Tesco. We had previously met all the delivery constraints both on time and on budget. RSR's brief was to help design and install the electrical elements necessary to get the tower operational for storage of clothing and garments being brought in from another site by a certain deadline. Electrical infrastructure to include Lighting & Power within the tower Mechanical power supplies for both conveyance and hanging garment rail system. There were a number of co-ordination difficulties to overcome especially when you have several different services running in the same space with restricted height issues.

Being able to identify problems before they become an issue for your trade or others is key to helping the client reach their end goal. Technical support and experienced project management aid this process. Long lead items namely 6-8 weeks for busbar requires serious planning. RSR have been developing and improving the way we build towers over the past 5 years or so, we are now installing more efficiently than ever and using materials chosen for quality and value for money. Speed is quite often a factor during any build and this was no exception, when the client asked us to accelerate the program. To confidentially accept this request and more importantly deliver it, you have to have confidence in your team and always look at options whether in design tweaks or materials to help speed up the install process.

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The photos below show the removal of high bay racking the footprint of the tower area. Piling was necessary to take the weight of the new tower. The project evolved throughout the project with photos showing the yellow structural steelwork being installed with floors being finished and subsequently handed over to RSR for the first stages of our installation. Once the floor has gone in on each level the working area for follow on trades does become very dark, and so either temporary task lighting would need to be installed or as we do, install and live several busbar runs and fit ever 4th or 5th light to help illuminate the site.

400A Rising busbar services a distribution board on each level shown in images below. The shelving aisles are formed from ground level rising through the floors to the top level as shown in the below images. RSR were tasked with fitting lighting to these aisles. The end result was a 4 storey tower being used to carry package clothing and on some levels hanging garments for the Tesco F&F range.

RSR completed the project on time which allowed the client to begin filling their shelves with product and subsequently picking and delivering items for their online store customers.

Scope of works

Design, Supply and Installation of the following:

- Mains distribution
- 3-core LSF Sub-main power cabling
- Small power distribution
- Trunking & containment
- Lighting installation
- Light switching & controls

[More Details](#)





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