



Roof Access

A new Substation currently under construction forms the second phase of an Energy Centre Development. The new single storey building is adjacent to a multi storey car park which forms a taller structure.

The BRE has advised that falls from height are the most common cause of accidents and injury in the Construction Industry. Risk of falling during routine maintenance or cleaning by the end user following completion of construction also forms a very important consideration for designers.

With this in mind the design for the Substation includes a 'no maintenance' roof area which will include the following :-

- No rooftop plant requiring access
- No access for cleaning, periodic cleaning at an agreed interval to be carried out by pressure hose from a mobile scaffold.
- No requirement for parapets to most of the building
- No requirement for mansafe systems
- No high level gutters, rainwater discharge is designed to run off the building by provision of falls to low level gutters via profiled cladding. The gutters will be accessible from ground level for periodic cleaning.



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