ROYAL ACADEMY OF ENGINEERING Ingenious

Dundee City Council

Abertay University

On the Right Track: Engineering and Education for All

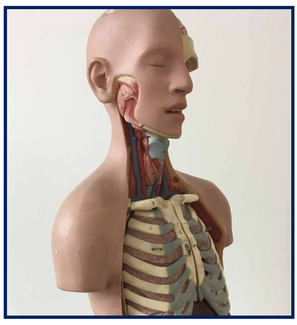
Super SUPERSTRUCTURE!

The Superstructure for the new railway station is the massive steel structure that supports the new building. The new railway station will have a concourse (the main entrance), café, shops, offices and even a hotel!

Superstructure (Skeleton)

The superstructure is like a skeleton – it is the rigid framework of columns and beams that support floors, roofs and walls of the building.

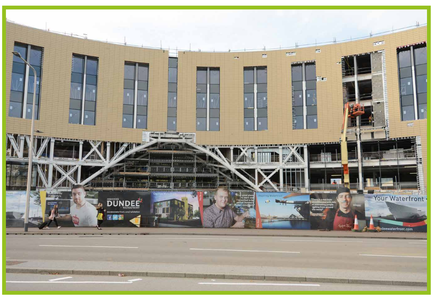
A challenge for the engineers - they could only build parts of the superstructure between 1 o'clock and 4 o'clock in the morning!



Cladding (Skin)

Once the skeleton is in place then the skin is added – this is the cladding or material that covers the steel structure to protect the building from wind and rain.

The cladding also makes the building look attractive which is good as the station is a gateway for people to our city – people on their way to work and visitors who want to see the V&A Museum and other new attractions!



What the railway station will look like!