

Irvine Royal Academy—Technical Department

Graphic Communication—Advanced Higher

Built Environment Drawing—Users 1

Various drawings are used for planning and developing the built environment. In Advanced Higher you will need to know what the main features of each are, and also who the 'end-users' of the drawings are. Some of the end-users are listed here.

Quantity Surveyor

A Quantity Surveyor is someone who will price a building. They will work out how much all of the materials will cost, how long it will take to build, and all other costs involved in building something. Accordingly, they will use drawings to get sizes of walls, roads, roofs, etc., what materials these are made from, how much labour and materials cost, to give a total price for a job. They will count all of the doors, windows, sockets, sinks, etc. and produce a grand total for the project.



Architectural Technician

An architectural technician (or Architectural Technologist) is someone who doesn't have an architect's qualifications but is able to draw CAD drawings for an architect. They will probably be given an idea to draw out on CAD, after which they will be employed to make changes and alterations to it. They will be able to understand drawings and make comparisons between existing and altered drawings. They will be competent enough to understand sizes and materials used, carry out some calculations, and specify materials.

Conservation Officer

A Conservation Officer is employed by the council to ensure buildings within Conservation Areas (parts of towns or countryside of historical or environmental importance) meet the standards set by the authority. They will use drawings to identify materials and designs to ensure that they fall into the parameters set out by the Listed Building, Conservation area rules. They will be interested in things like scale of development, materials used (eg natural stone, traditional renders, timber, slate roofs, etc.), and how the development fits into its environment and whether it causes any serious harm to it.



Architects

An architect is someone who designs buildings and other man-made structures. They will have a qualification that ensures what they design is of a suitable standard for its purpose. Architects will produce detailed drawings of buildings, including **site plans, floor plans, location plans, elevations, sections, room layouts, rendered representations**, etc. The drawings will probably

have **Layers** with detailed electrical, plumbing, dimensioning, annotation, etc. information.