

**Specification for Building Surveys
at scale 1:500 and larger**

1.0 PLANIMETRIC CONTROL

1.1 Relationship to grid

The survey shall be related to :

- a local grid
- existing site grid (*please specify*
- Ordnance Survey national grid

1.2 Accuracy

The maximum error between permanent survey control stations shall not exceed 1:20,000 for control survey and 1:10,000 internally.

1.3 Schedule of permanent survey control stations

A schedule shall be prepared giving the following information:

- station designation
- plan co-ordinates
- level value
- description

2.0 VERTICAL CONTROL

2.1 Level datum

- GPS height from Ordnance Survey active network
- all levels shall be related to Ordnance Datum (Newlyn). The location, description and value of the datum bench mark used shall be quoted on each survey plan
- Arbitrary/other agreed datum (*please define*

3.0 DETAIL TO BE SURVEYED FOR FINAL PLANS

3.1 Planimetric information

The planimetric features listed below shall be surveyed:

- all walls (internal/external) with an indication of whether they **appear** to be structural or not
- all doors with door swing and head height
- all windows with sill and head level
- main incoming services
- position of wash room furniture
- position of stair wells
- levels to floors and ceiling (suspended ceilings will only be lifted if specified)
- roof plans if required

3.2 Elevations

- all major openings (windows/doors, etc)
- all chimney stacks
- all ridge/eave heights
- major cornices, decorative brick/stonework, etc
- photographs with principal levels can be provided if requested

3.3 Sections

- outlined sections through the building with level information
- elevational sections available if specified
- internal roof structure, only if specified

NOTE: The above specification is to produce basic drawings for structural/planning alterations, etc. We can produce far more detailed drawings to a high level of accuracy if requested.

4.0 DATA SUPPLIED

4.1 Provision of data

Digital data can be provided in the following formats:

- AutoCAD .dwg file
- AutoCAD .dxf file
- Moss Genio file
- 3D ASCII points file
- others on request
- floppy disk or CD available
- email

4.2 Plan presentation

The following formats are available:

- paper colour
- paper mono
- film colour
- film mono
- A0 or A1 sheets
- scale of clients' choice