

# 1a-buildings

## **GRADES OF DETAIL FOR BUILDINGS AND STRUCTURES**



### **GRADE B4 - High Detail.**

Laser Surveys *project specific* families of doors, windows, stairs, ramps and balustrades.

*Project specific* families based upon more detailed dimensions for fixtures, fittings, materials and architectural features.



### **GRADE B3 - Standard Detail.**

Laser Surveys *generic* families of doors, windows, stairs, ramps and balustrades.

*Generic* families based upon overall dimensions for fixtures, fittings, and architectural features.



### **GRADE B2 - Outline Model.**

Overall shape of major walls, columns, floors, ceilings and roofs, with openings.



### **GRADE B1 - Massing Model.**

Overall shape of external building envelope.

# 1b-site

## **GRADES OF DETAIL FOR TOPOGRAPHY**



### **GRADE S3 - Revit Toposurface with sub-regions and site features.**

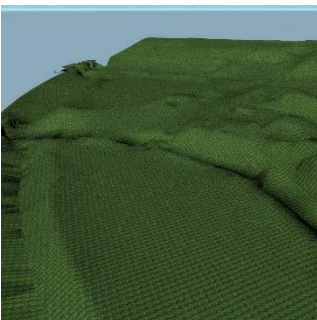
Revit “toposurface” based on site level data points, and then divided into sub-regions to identify surface finishes.

Site features such as steps, street furniture, barriers, retaining walls, and trees also modelled as Revit objects.



### **GRADE S2 - Revit Toposurface with sub-regions**

Revit “toposurface” based on site level data points, and then divided into sub-regions to identify surface finishes.



### **GRADE S1 - Revit Toposurface only**

Revit “toposurface” based on site level data points.

**Revit Deliverables for:**

Job No:	G9000	Job address:	No. Road name, Town, Postcode.
Date:		Notes:	

**1. Grade of Revit Model & Phasing.** (Select one from each box plus an Issue format)

Site	Building Exterior	Building Interior	Services above ground	Services below ground	Phasing
S1/S2/S3/none	B1/B2/B3/B4	B1/B2/B3/B4	YES/NO	YES/NO	YES/NO
Comments:	Any specific items to be modelled?				
<i>Issue format: Revit: 2016 / 2017 / 2018 Other Formats: IFC / AutoCAD 3D / MicroStation / SketchUp</i>					

**2. 2D CAD output.** (Select multiple as required plus an Issue format)

Plans	Elevations	Site Plan	Sections	Ceiling Plans	Underground Services
1:100	1:100	1:200	1:100	1:100	1:200
YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO
Comments:	Any layering or title sheet requirements?				
<i>Issue format: DWG / DXF / PDF</i>					

**3. Point Cloud.** (Select only one from the first two and Y/N for Webshare)

Black & White	Colour	Webshare
YES/NO	YES/NO	YES/NO
Comments:	Any specific areas of special accuracy?	

**4. Positioning.** (Select only one from the first three and Y/N to Project North)

Local Datum and Grid by Surveyor	Local Datum and Grid by Client	OS Datum and OS Grid (via GPS)	Project North set by Client
YES/NO	YES/NO	YES/NO	YES/NO

As a Client you should also be aware of:

**5. Access.** (select only one option)

Survey as found	Areas cleared by client prior to survey	Specialist access equipment provided by client
YES/NO	YES/NO	YES/NO
Comments:	Any special arrangements made for surveyor?	

See "Laser Surveys, BIM ready models, A guide for our Clients" for a more detailed explanation of each of these five items.

Copies are downloadable from our website [www.lasersurveys.co.uk](http://www.lasersurveys.co.uk) or can be e-mailed or posted to you by ringing us on 01886 833173 or e-mailing us at [worcester@lasersurveys.com](mailto:worcester@lasersurveys.com)