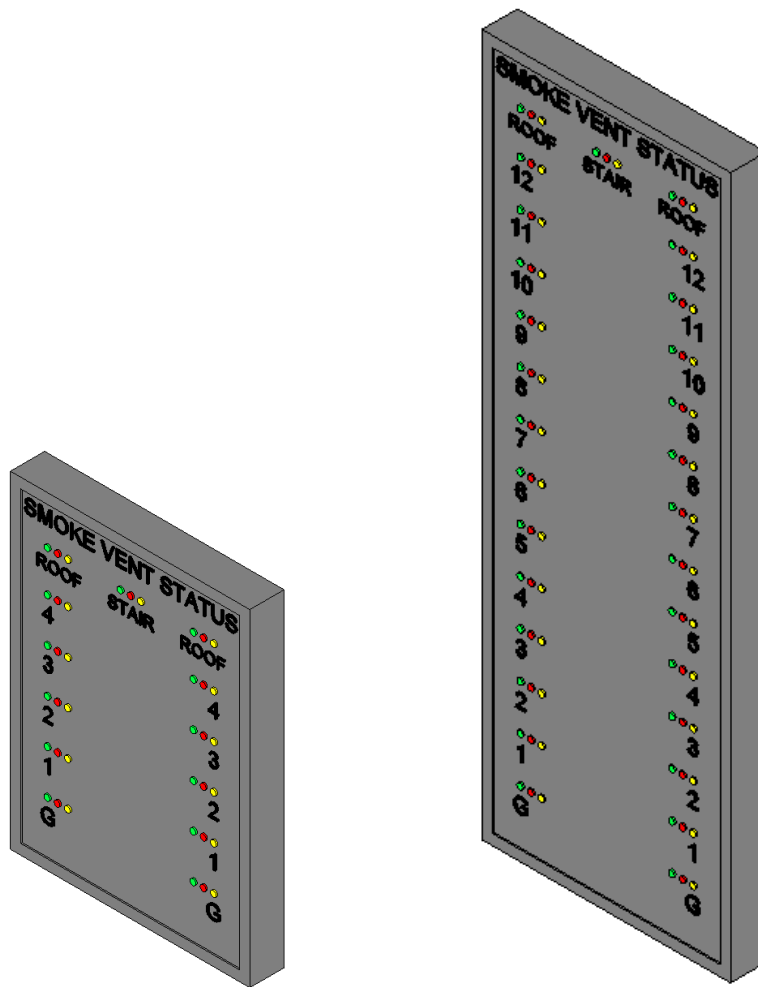


## BIM Object Guide

Monitoring Devices

Version 1.0

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### 1.0 Introduction

SE Controls are committed to fulfilling the requirements of Level 2 BIM as mandated by the UK Government from April 4<sup>th</sup> 2016 for all centrally funded contracts. Furthermore we intend to produce high quality, fit for purpose content by utilising our relationships with Architects, Specifiers & BIM end users & determining the specific requirements and issues they experience with BIM content & processes.

### 2.0 Properties

#### 2.1 COBie

Construction Operations Building Information Exchange (COBie) data is available for all SE Controls BIM objects. This data set forms a key part of Level 2 BIM requirements for UK Government contracts.

#### 2.2 NBS\_General

NBS\_General data is available for all SE Controls BIM objects; this data set is a requirement of the NBS BIM Object Standard.

#### 2.3 IFC

IFC data is available for all SE Controls BIM objects; IFC is an open-source data format that is fast becoming the industry standard for rich data exchanges.

#### 2.4 Other (Manufacturer/Product Specific)

SE Controls has produced product specific data fields for information not applicable to other data sets such as COBie but still of importance to a BIM end user.

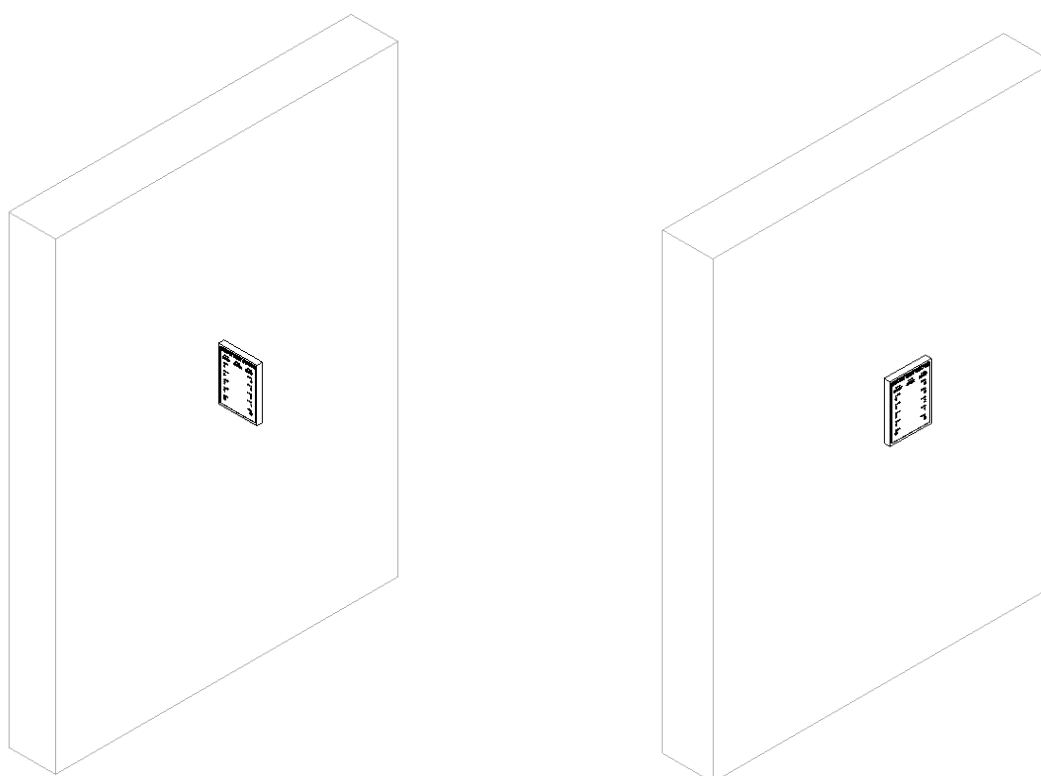
### 3.0 Adding BIM Objects into Autodesk Revit

#### 3.1 Loading SE Controls' SHEVTEC Repeater Panel object into Autodesk Revit projects

To insert an SE Controls repeater panel object into a project you will require a wall as a host to which the panel is to be fixed.

Select "insert-->Load Family-->choose the downloaded family". The repeater panel family will now be available under "Electrical Equipment" family type in "Families" in the "Project Browser" window.

It will then be possible to drag the repeater panel into the project as shown in the images below. Using a combination of the 'Rotate' and 'Align' tools, the object can be placed in the desired location on the wall.



Once in the required position, 'Lock' the repeater panel in place.

#### 3.2 Repeater Panel Types

The modular SHEVTEC® Repeater Panel has been designed to provide system status information for each vent within a smoke ventilation system. The SHEVTEC® Repeater Panel would typically be located near the fire service access entrance of the building to provide system indication.

SE Controls have created a Repeater Panel object which includes a range of types, consisting of a maximum of 12 rows and up to 3 columns.