










What We Offer- Design and Technical

The table below provides an overview of what is provided in the Beattie Passive Design and Technical Package

Specification	Description
<p>SAP EPC Calculations</p>	<p>Beattie Passive undertake the SAP EPC calculations for compliance with part L of the Building Regulations.</p> 
<p>Passivhaus Planning Package</p>	<p>The Passivhaus Planning Package (PHPP) is a key tool for designing low energy buildings. It provides accurate estimates of how the real Passivhaus building will perform, considering all the essential elements of building a home. These include the buildings heating, cooling and primary energy demand and plans to ensure it will not overheat. We carry out the PHPP on every project to ensure your design will reach Passivhaus standards and understand whether certification can be achieved.</p> 
<p>Structural Engineering Pack</p>	<p>Beattie Passive use independent engineers to develop:</p> <ul style="list-style-type: none"> • The design specification and calculations • The foundation design • Any structural supports • Wind loading and overturning • Connections in the structural designs • The layout, design and structural load calculations on intermediate floor and ceiling 
<p>Building Regulations</p>	<p>We provide building regulations for the structure only. We will submit the relevant client information for the building plan check.</p> <p>The Beattie Passive Build System is LABC approved.</p> 



Specification	Description
<p>Building Control</p>	<p>As part of our package Building Control will check the following items:</p> <ul style="list-style-type: none"> • Foundation design • Sub structure • Structural Thermal Envelope • U values • Condensation risk calculations 
<p>3D Modelling</p>	<p>We develop a 3D model of a structural frame for your design. This is a fundamental tool during manufacture and erection. Allowing you and your contractor to see all of the elements of the patented building system.</p> 
<p>Construction Detailing</p>	<p>We develop 2D construction drawings, including junction detailing for all elements. This includes cutting lists, assembly drawings material specification and scheduling, if you are manufacturing yourself.</p> 
<p>Testing Report</p>	<p>Beattie Passive use independent testers to provide certification reports on:</p> <ul style="list-style-type: none"> • Structural elements • Thermal Imaging • Airtightness testing • Sound testing (where required) • Energy performance (EPC) 

If you would like any further information on the Beattie Passive System, or to discuss a project, please contact us at enquiries@beattiepassive.com or call 08456 449 003