

**CLIMATIC CONDITIONS/DESIGN LIFE INFORMATION REQUEST**

<b>5</b>	<b>Climatic conditions:</b>
<p>The design may be used in areas where the climatic conditions are equal to or less than those defined below (please state): <span style="float: right;">* Delete as appropriate</span></p>	
<p><b>Wind:</b> (as defined in BS 6399-2) or equivalent Eurocode  <i>Standard</i> effective wind speed, <math>v_e</math> =            Basic wind velocity, <math>v_{b,max}</math> =            For max. effective height =            Has funnelling been considered?            Site location =            Minimum site distance to sea =            Maximum permitted site altitude =            Note: Site must not be positioned at the top of a hill, ridge, cliff, escarpment</p>	<p>23.7m/s (BS6399-2)            25.2m/s (UK National Annex to EC6)            (To be determined on site to site basis)            (To be determined on site to site basis)            Town or County:            40km            53m</p>
<p><b>Wind:</b> (as defined in CP3: Chapter V) or equivalent Eurocode  <i>Design</i> wind speed, <math>v_s</math> =            (relevant to the building frame, at a height of 3m or less)</p>	<p>(Not applicable) m/s</p>
<p><b>Snow:</b> (as defined in BS 6399-3) or equivalent Eurocode  <i>Site</i> snow load, <math>s_0</math> =            Influenced by adjacent buildings?</p>	<p>0.60 kN/m<sup>2</sup>            (To be determined on site to site basis) No</p>
<p><b>Resistance to moisture/durability of exposed elements:</b>            Maximum exposure (to wind driven rain) grading, as defined in BRE Report – Thermal Insulation: Avoiding Risks, Second Edition, 1994, to be exposure zone:             Exposure to sea spray (i.e. coastal region) or de-icing salts?            Other air contaminants or biological factors-please specify any enhanced resistance if applicable (refer BS 7543 for guidance):</p>	<p>Refer to SBA Performance Specification to J3127-900              (To be determined on site to site basis) No</p>
<b>6</b>	<b>Design Life:</b>
<p>(per BS 7543 – Durability of buildings and building elements, products and components) or equivalent Eurocode</p>	
<p>Category of building design life =            Design life of primary building envelope =</p>	<p>Years            Years</p>

**Commented [B1]:**  
This section should be completed by your structural design engineer and should take account of your design limitations, if any, to cater for the wind, snow and driving rain criteria where identified either in current British Standards or more appropriately in the related Structural Eurocodes.

If your design has constraints in relation to site location within Scotland, this should be clarified in your submission.  
 Equally, should your design cater for the worst case scenario meaning there are no site location restrictions then again this should be made clear in your submission.

**Commented [B2]:**  
As with Section 5 above, your designer should confirm the design life of the building(s) under consideration.

## STATEMENT OF STRUCTURAL ADEQUACY

Firms Name: Scott Bennett Associates (Group 2) Ltd		STAS Reference and Description:		Job No: J3127
				Revisions: N/A
Project Title: Keepmoat HT Certification		House Type(s): Balmoral Blair Buchanan Fyvie V1 Fyvie V2 Braemar Glamis Huntly Roxburgh Stirling		Variations: N/A
Calculation Title: Keepmoat HT Certification				
Calculation Author: MMC		Date: 23/01/2016		Client contact: Stu King
References: (to include Codes, British Standards, Specifications, Drawings etc  BS 648, BS 6399, BS 5268, BS 5950, BS 4449, BS 8110, BS EN 998 Refer to SBA Drawing Issue Sheet for Drawing Numbers				
Comments and Notes: N/A				
Elements of Construction – Superstructure: As indicated on drawings				
Specialist Items: Timber frame, Lintels, Floor joists, Roof trusses				
Design ground bearing pressure:		A minimum ground bearing pressure of 75kNm/m <sup>2</sup> was assumed for the purposes of the ground bearing slab design. This must be confirmed by way of a Geotechnical and Environmental Report on a site by site basis		
SUMMARY: Design parameters:		<p>Timber Frame Qualification: The structural design for the superstructure has been based on a generic timber frame specification. It is the requirement of the specialist timber frame manufacturer to appoint an Engineer and provide a timber frame design prior to manufacture.</p> <p>This specification is only applicable for sites in Scotland which fall under the following parameters:</p> <ol style="list-style-type: none"> <li>1. Altitude to be no greater than 53m</li> <li>2. Site not to be within 40km to the sea</li> <li>3. Wind speed must not exceed 23.7m/s (BS6399) or 25.2m/s (UK National Annex to EC1)</li> <li>4. Site must not be positioned at the top of a hill, ridge, cliff, escarpment</li> <li>5. Site can be in the country or town</li> <li>6. Individual site units must be outwith areas subject to funnelling effects</li> </ol> <p>If in doubt, please refer to Project Engineer for further advice.</p>		
Foundations:		Design to be undertaken by the Project Engineer on a site to site basis.		
Ground floor slab:		200mm deep RC suspended slab or a 150mm deep RC ground bearing slab (To be confirmed on a site by site basis)		
Movement joints: Floors/Walls:		Locations indicated on drawings		
Isolated Structural Members:		As indicated on drawings		
Calculations prepared by:		Martin McCreadie	Specialist calculations prepared by:	To be provided on a project by project basis
Calculations checked by:		Robert Storey	Specialist calculations checked by:	To be checked on a project by project basis
				SER Registration No: N/A