

Energy Hierarchy Stage 1

NZC2(A): % improvement of energy efficiency against Building Regulations

TER of notional building using Part L 2013 specification	
	<i>Version of SBEM carbon factors used:</i>
<i>Optional: TER of notional building using Part L 2021 specification, and version of SBEM carbon factors used</i>	
	<i>Version of SBEM carbon factors used:</i>
<i>BER after all energy efficiency improvements (including fabric) have been applied. Excluding any renewable/low carbon energy measures</i>	
	<i>Version of SBEM carbon factors used:</i>
<i>BER after all energy efficiency improvements (including fabric) have been applied. Excluding any renewable/low carbon energy measures</i>	
	<i>Version of SBEM carbon factors used:</i>
BER % improvement on TER as a result of energy efficiency improvements Exclude any renewable energy measures.	

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Part 1B – Non-domestic Buildings

Building Specification	Notional Spec (baseline)	Proposed Specification
External walls (inc. semi exposed walls)		
Floors		
Roofs		
Doors (opaque or semi glazed)		
Windows and glazed doors		
Rood windows		
Rooflights		
Efficiencies of building services		
Air permeability (air tightness)		
Glazing ratio (% of total floor area, and area broken down by each façade direction)	North	
	East	
	South	
	West	
<i>Optional: Building Primary Energy Rate as a % improvement on Part L Target Primary Energy Rate.</i>		
Informative:	<p>These calculations are to demonstrate how energy improvements have been applied in pursuit of NZC2(A). For non-residential buildings a 19% reduction in carbon emissions compared to Part L 2013 is sought through energy efficiency measures.</p> <p>The accompanying Energy Statement should outline in detail the energy efficiency measures employed in the development.</p> <p>Where full compliance is not demonstrated the Energy Statement should demonstrate how energy efficiency measures have been incorporated to the greatest extent feasible or viable.</p> <p>See SPD Section 4 for further information.</p>	