All Blocks (Including Thermal Liteblocks) to be minimum 7.5N in accordance with section 1.1.3.5 TGD Part A 2012.

Ensure wall insulation is installed at least 225mm below top of floor insulation.

Floor U Value varies, must be within Ranges set out in Table D1 of Appendix D of TGD part L 2011 for Psi values to be applicable.

Line of Air Barrier; Refer to ACD's for the barrier checklist and ensure requirements are met.

See configuration options A and B below, depending on y value requirements.

Install perimeter insulation with min. R value of 2.27m²K/W or greater (example 50mm of PIR λ 0.022 = R2.27)

Note: Alternative Configuration Depending on Y Value Requirements

Use Roadstone Thermal Liteblock configuration A or B as advised by Y-Value calculation and Roadstone Technical Support

All options pass Rsi assessment, no surface condensation predicted.

Options A and B in the 0.15 and 0.18 W/m²K U Value ranges surpass default Psi values and therefore a default y-value of 0.08 can be assumed using these options without a y-value calculation, provided all other details in the building comply with the published ACDs / Roadstone details.

The diagrams, drawings and details included in this brochure are for indicative purposes only. They do not constitute nor should they be relied upon as giving/providing any design detail. They focus on the issues of thermal performance only. Insulation thicknesses of the main building elements have not been provided, as these are dependent on the thermal properties of the materials chosen, as well as on the required U value. These diagrams, drawings and details illustrate good practice for the design and construction of interfaces safely in connection with thermal performance. The product should be used with due regard to all other requirements imposed by the Building Regulations and advice should be sought from a design professional in connection with the use of this product where required.