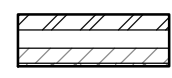
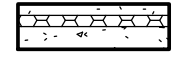



Typical Building Fabric

Element	Min. U-value	Indicative Specification
Wall 	0.16 W/(m²K)	Brickwork 102.5mm Air space 10mm KOOLTHERM K106 90mm Aerated Blockwork 100mm Plasterboard on dabs with skim ≈25mm
Floor 	0.20 W/(m²K)	Sand Cement Screed 65mm Separation layer <1mm KOOLTHERM K106 60mm Concrete Slab 150mm Damp Proof Membrane <1mm
Roof 	0.18 W/(m²K)	Single Ply (mechanically fixed) <2mm KINGSPAN THERMAROOF TR26 LPC 115mm Vapour Control Layer <1mm Concrete Deck 150mm
Windows & Rooflights 	1.61 W/(m²K)	Schueco AWS 70 HI
Personnel Doors 	2.20 W/(m²K)	Schueco ADS 70 HI
Air permeability 		5m³/(h.m²) at 50 Pa

NOTES:

Min. U-Values taken from BRUKL Output Document Dated: April 23rd 2019

Specifications are minimums to achieve the target U-value, final specification to be confirmed once detailed design of elements complete at a later stage.

Curtain walling & blockwork strength may require alternative specification following structural analysis for loadings and guarding requirement compliance.



Project
LSIP, Lincoln Science and Innovation Park, Lincoln

Client
Lincoln Science and Innovation Park

Drawing
GA - Section
1 : 50 @ A1

Date
09/04/2019

