A range of climate parameters has been set in order to define layer properties of the building envelope for the building. Taking into account the site's weather pattern, the building has been optimised in order to use the precise amount of material in order to ensure sustainability with the least possible impact. A sun study has been incorporated in order to define the characteristics of the openings. Yearly heating costs have been taken into account in order to minimise the use of operation of the building and carbon footprint has been reduced by using local stone.