

# BLOCK OF FLATS IN BRNO



1ST FLOOR



3RD FLOOR



2ND FLOOR



4TH FLOOR



This bachelor's thesis explores the architectural and functional aspects of a block of flats (multi-storey residential building) in Brno-Komin. The residential building comprises four floors, a underground floor which functions as a garage and a flat green roof. The primary objective of this project is to create a living space that accommodates the needs of 8 families. The project explores the use of suitable materials, construction techniques, and building systems to ensure durability, safety, and cost-effectiveness. Addition to that, BIM process is applied by exporting the models from Revit to Trimble by creating .ifc files. The materials used are implemented throughout the building to minimize energy consumption and reduce environmental impact.

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SOFTWARE: REVIT,

PROJECT TITLE: BLOCK OF FLATS IN BRNO  
TYPE OF WORK: BACHELOR'S THESIS  
YEAR: 2023/2024

