GONEAINEB SEUDENEB HOUSING

ANNA SCHICKEROVA
2024
ADG BATCHELORS PROJECT
WERTIG KOPECKY STUDIO



#### INTRODUCTION

#### **EDUCATION**

2007-2016	ELEMENTARY SCHOOL JIŽNÍ IV., 141 00 PRAGUE 4
2016-2020	SECONDARY SCHOOL OF CIVIL ENGINEERING, DUSNÍ 17
2020-2022 2022-2024	FACULTY OF ARCHITECTURE CTU IN PRAGUE ARCHIP
COURSES	
2009-2019	ENGLISH LANGUAGE AT AKCENT INTERNATIONAL HOUSE PRAGUE, LEVEL B2, ZUS DUNICKÁ 3136/1, 141 00 PRAGUE 4
PRACTICE	
2017	BETA PRAGUE S.R.O STUDIO DOC. ING. ARCH. JÁN STRCULA, PHD. RM PROJECT ACTIVITY UNDER CONSTRUCTION - RADEK MÁCA
2018	APRIS S.R.O.
2019	PARTICIPATION IN THE MAGYAR BETONKENU KUPA INTERNATIONAL CONCRETE CANOE CUP IN BUDAPEST GROWJOB S.R.O.
2020	
2022	CONSTRUCTION PRACTICE AT STAVBY S+D S.R.O. AVALON S.R.O.
2020-?	BETA PRAGUE S.R.O. – CREATION OF VISUALIZATIONS

#### TECHNICAL SKILLS

WINDOWS OFFICE, AUTOCAD, REVIT, LUMION, ADOBE

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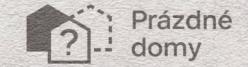
MATERIALS AND TECHNICAL

DETAILS





#### CURRENT STATE









PETRSKÁ ČTVRŤ IS A NEIGHBORHOOD LOCATED WITHIN PRAGUE 1'S NEW TOWN DISTRICT, CENTERED AROUND THE CHURCH OF ST. PETER ON POŘÍCÍ NEAR THE VLTAVA RIVER. ESTABLISHED IN 1348 AS PART OF THE NEW TOWN, IT MAINTAINS ITS ORIGINAL STREET LAYOUT. BORDERED BY STREETS SUCH AS HYBERNSKÁ, HAVLÍČKOVÁ, NÁMĚSTÍ REPUBLIKY, LUDVÍKA SVOBODY EMBANKMENT, AND MORE, IT ENCOMPASSES PETRSKÉ NÁMĚSTÍ, A CENTRAL SQUARE FEATURING A PEDESTRIAN ZONE.

#### CURRENT STATE











B GYBER ARCADE

MANA POTION MACTORY FIELD NERF ARENA

STUDIO PETRSKA

#### CURRENT STATE

































#### CONCEPT











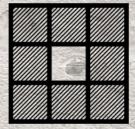
WUAT







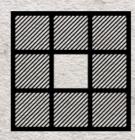


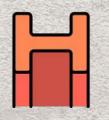


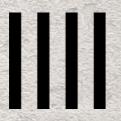
PRAGUE IS FULL OF STUDENTS, BUT THE DORMITORIES HAS NOT ENOUGH CAPACITY. PRAGUE HAS AMOST 2000 EMPTY BUILDING WHICH COULD BE USED TO HELP LOCAL OR FOREIGN STUDENTS TO ACCOMODATE THERE'ARE THREE EMPTY AUTOMATIC TELEPHONE EXCHANGE BUILDINGS IN PRAGUE THIS PROJECT IS FOCUSED ON REUSING AND REPURPOSING SPACES OF TELEPHONIC EXCHANGE BUILDING INTO STUDENT DORMITORIES

#### CONCEPT















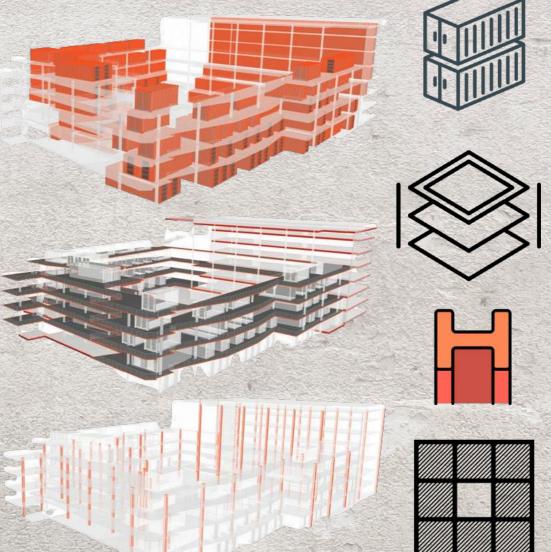
THE CONCEPT INVOLVES FOLLOWING AN EXISTING STRUCTURE'S LAYOUT OF COLUMNS AND EXPANDING IT INTO A COURTYARD.

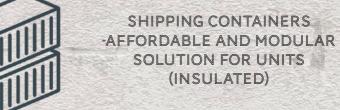
A NEW GRID OF COLUMNS WILL CREATE AN ATRIUM, ENABLING COMMUNICATION THROUGHOUT THE ENTIRE SITE.

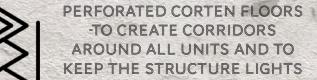
BY ADDING PERFORATED STEEL FLOORS, THE STRUCTURE BECOMES LIGHTER,

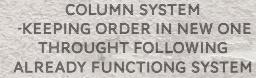
SUPPORTING MODULAR ROOMS WITHIN SHIPPING CONTAINERS.

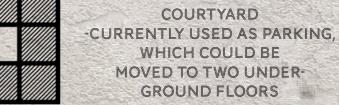
#### CONCEPT



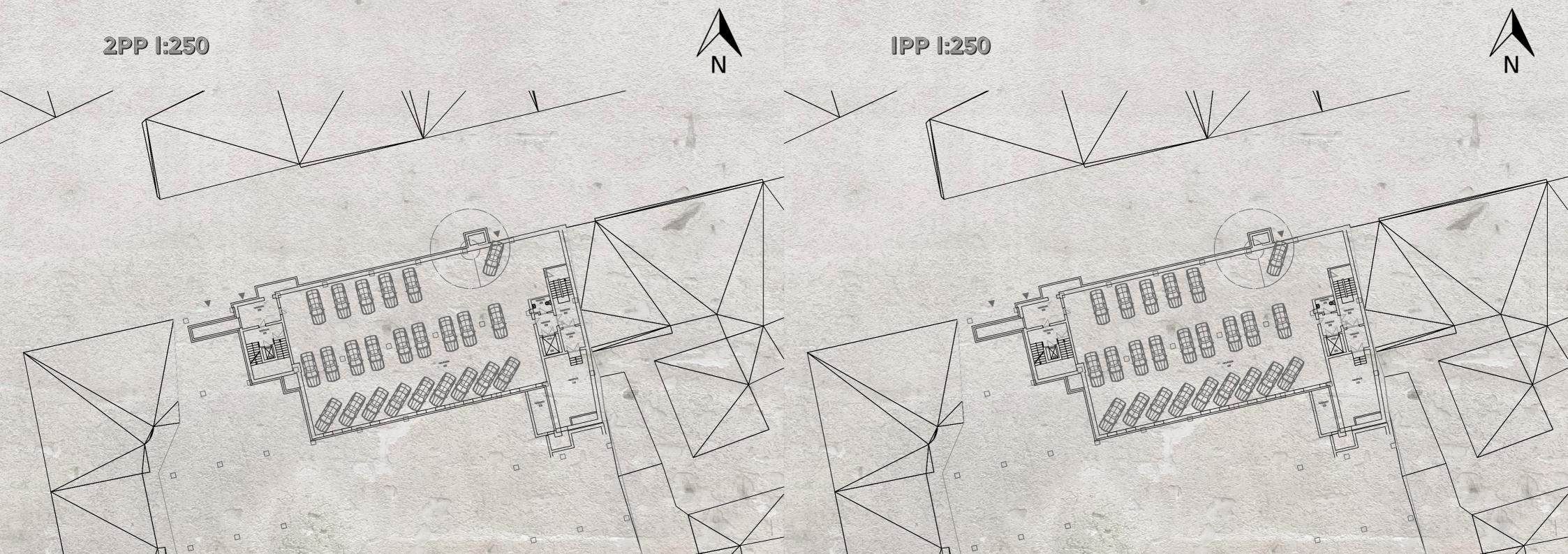


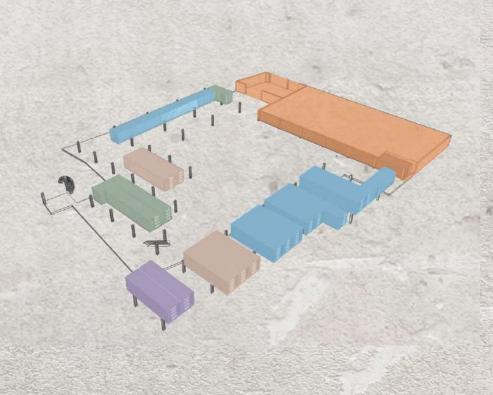


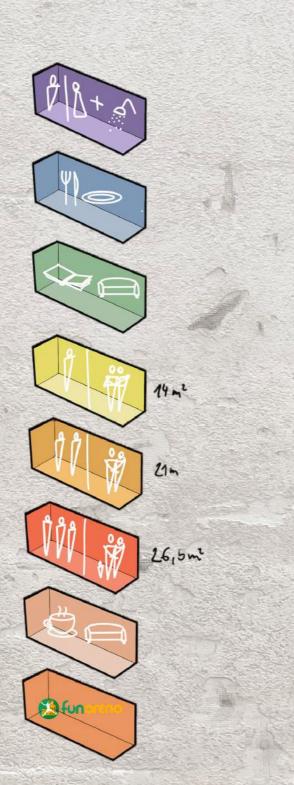






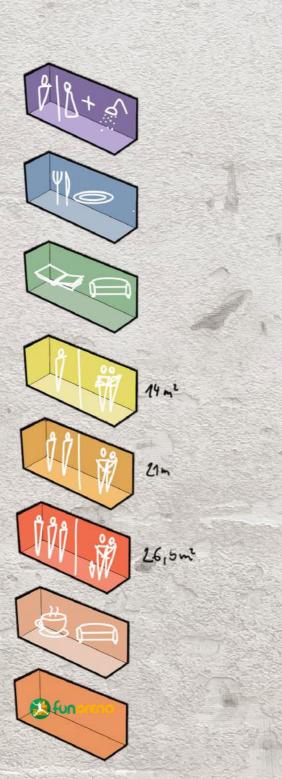




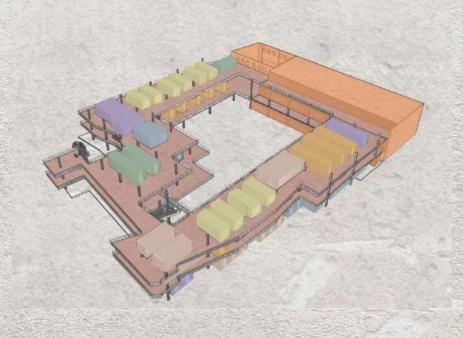


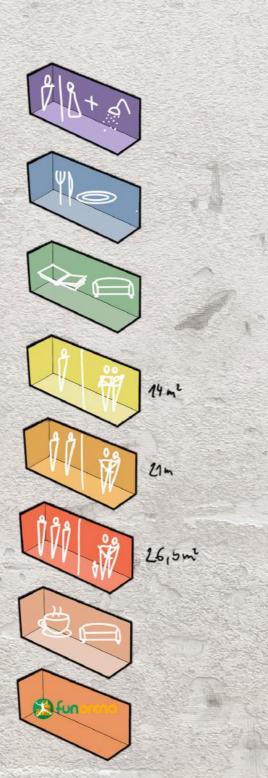




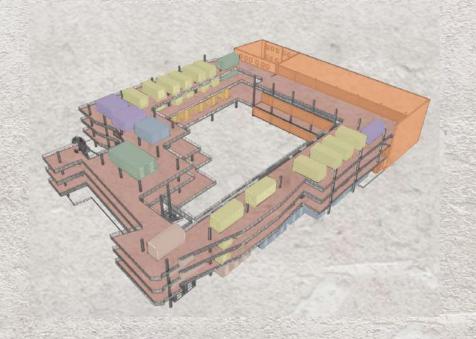


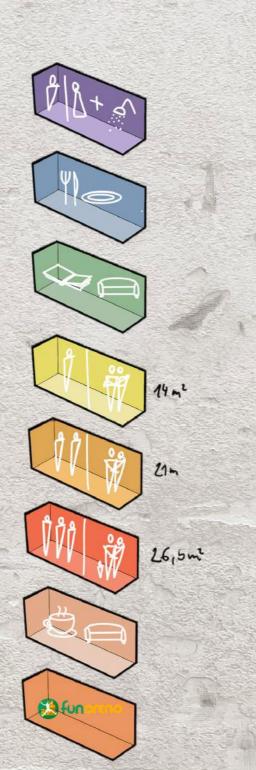




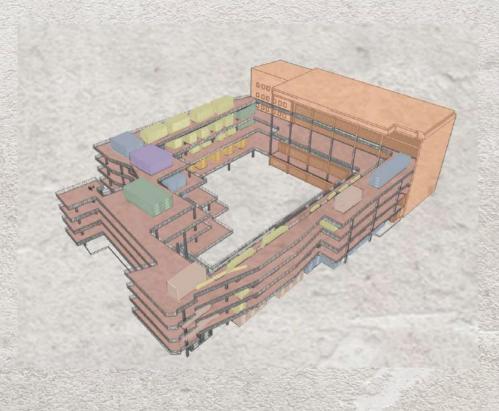


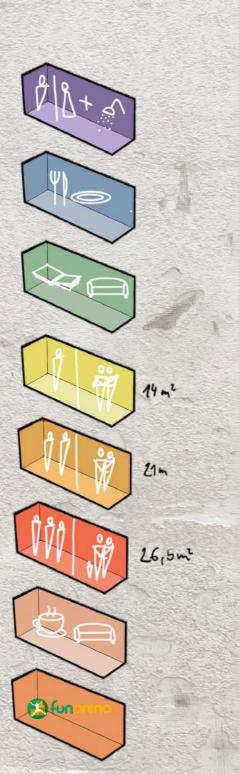






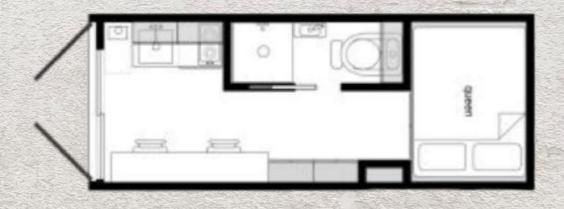






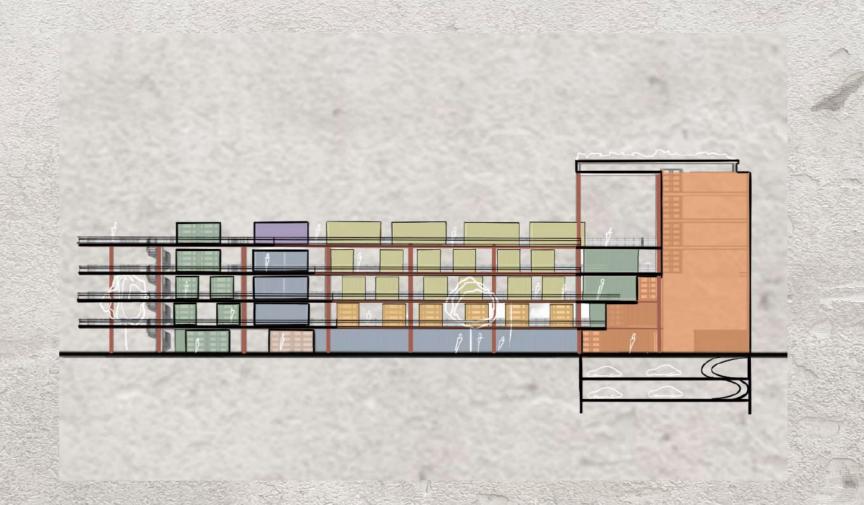


### EXAMPLE OF CONTAINER



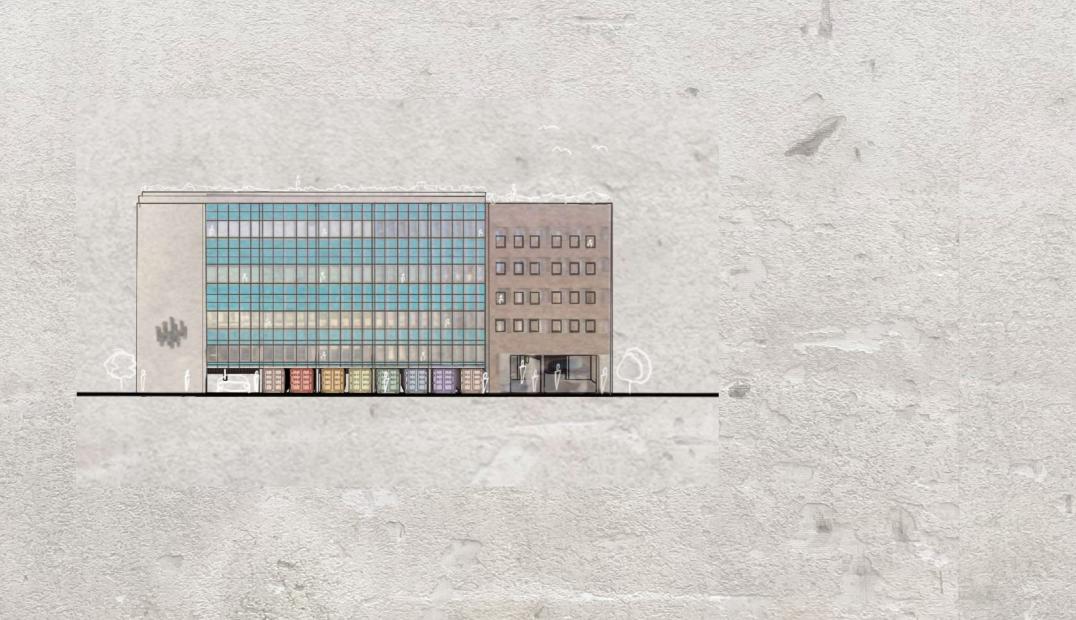


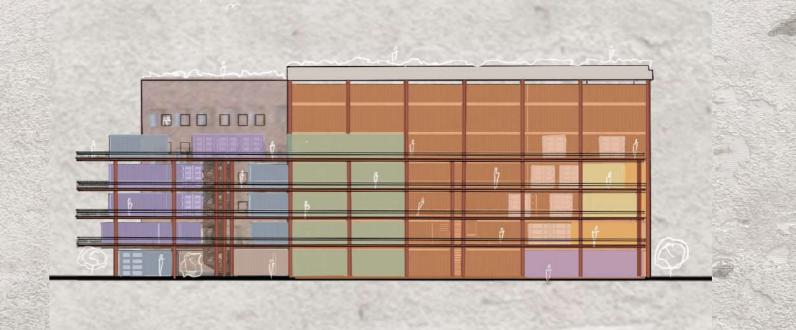
#### SECTION A-A"



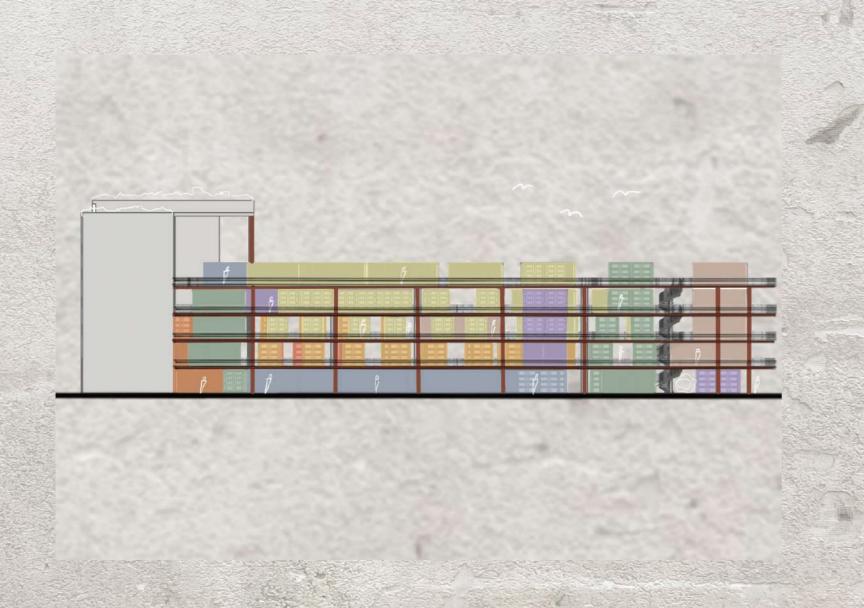
#### NORTH VIEW



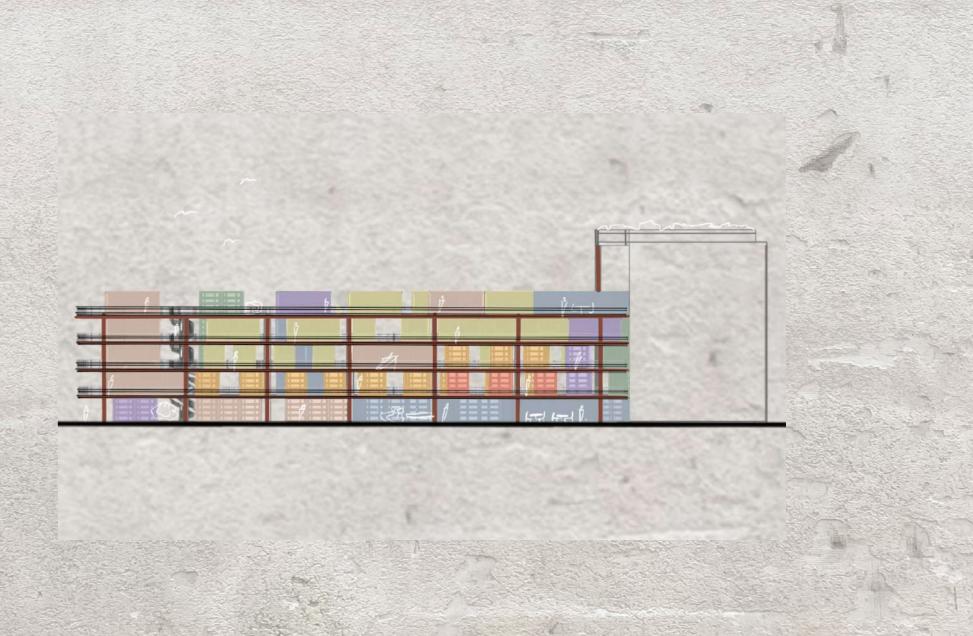


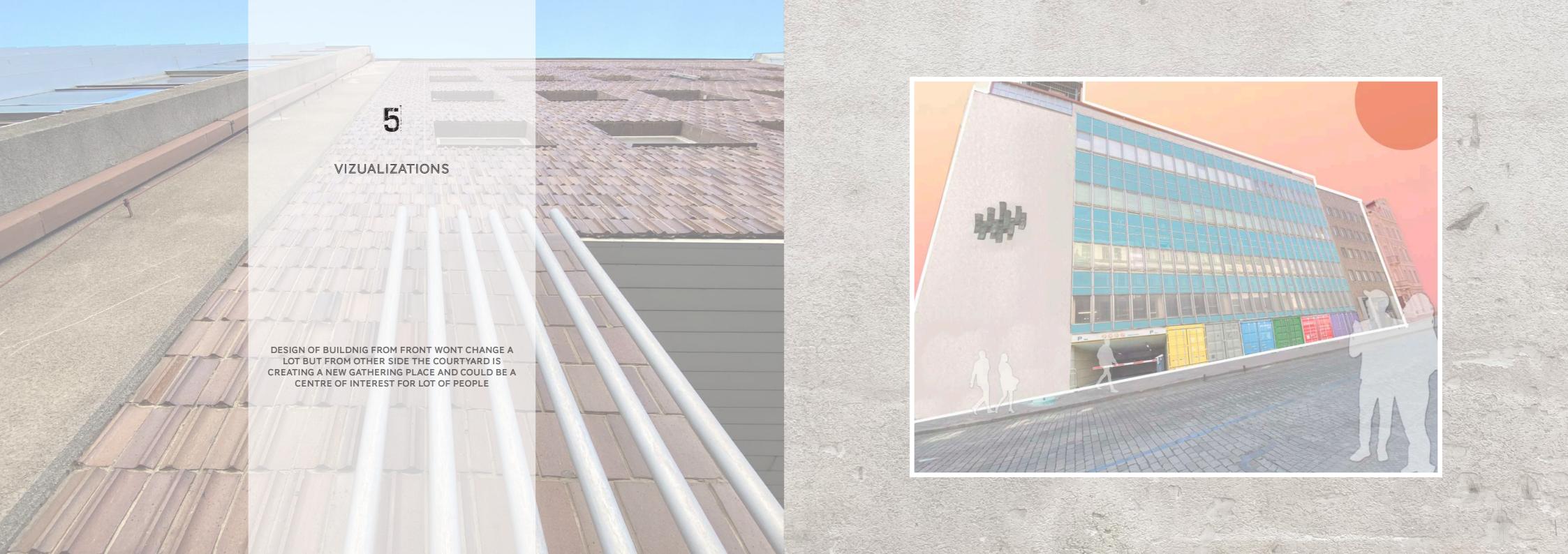


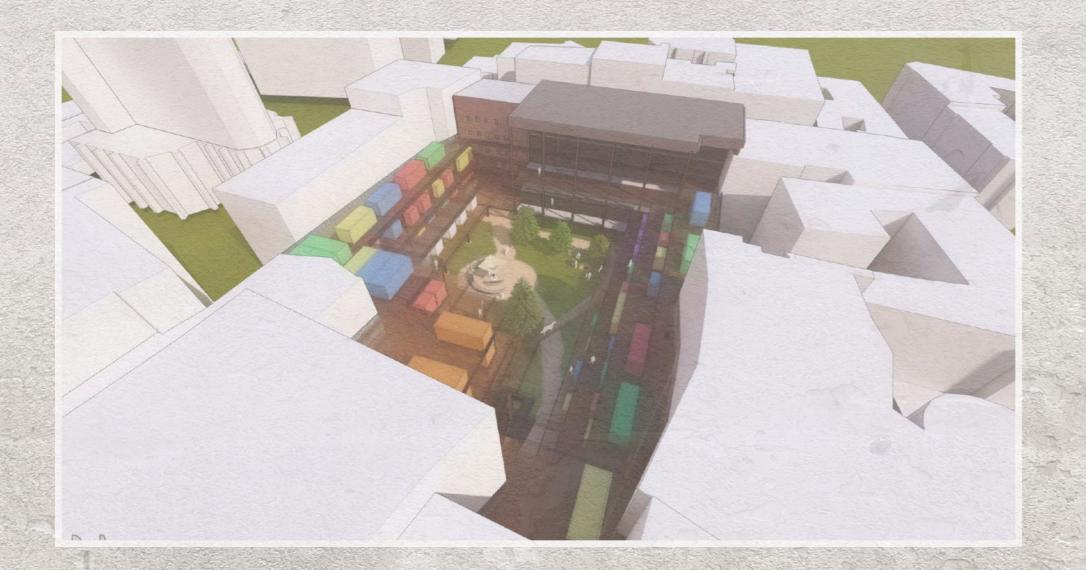
#### **WEST VIEW**



#### EAST VIEW













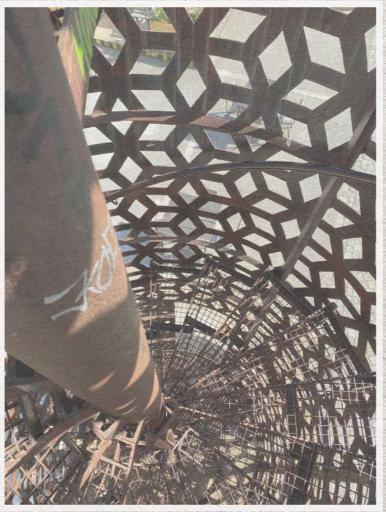


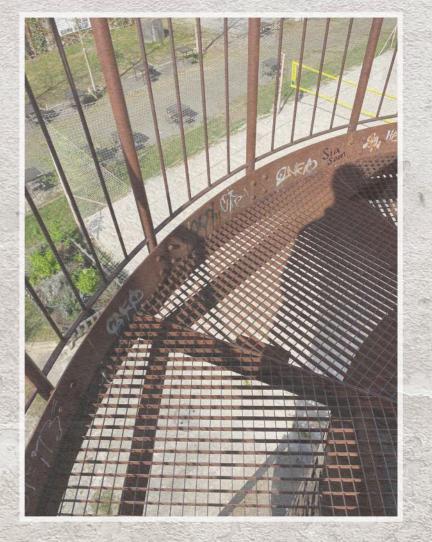


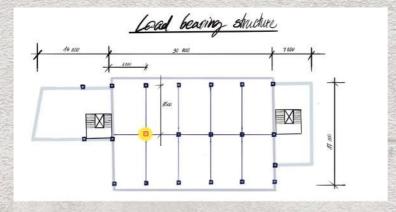












The total load is 24 kN.

The column is made of steel with known dimensions square column with dimensions 300x300 mm

Homent of inextia  $I = \frac{6 \cdot k^3}{12}$ 

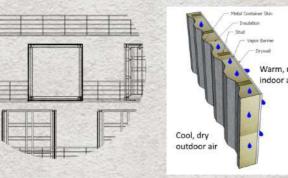
Buckling load
$$R_{cr} = \frac{17^2 \cdot 200 \cdot 10^a \cdot 0,00675}{(1 \cdot 2,5)^4}$$

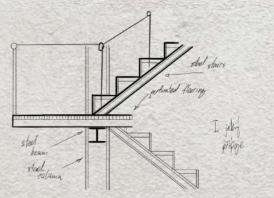
Per > total load

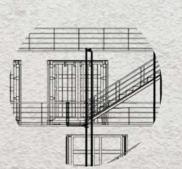
Pcr = 157,92 EN

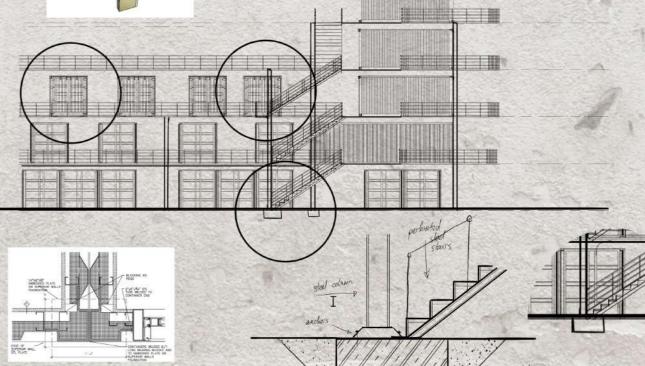
Stable under applied load

#### Construction details



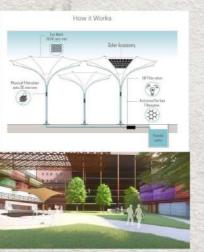












# CONTAINER STUDENT HOUSING

THE PROPOSED REPURPOSING OF THE PETRSKÁ BUILDING INTO STUDENT
HOUSING COMBINES HISTORICAL PRESERVATION WITH MODERN FUNCTIONALITY, ADDRESSING THE
GROWING DEMAND FOR SUSTAINABLE ACCOMMODATION IN PRAGUE.
INTENTION IS TO MAKE A NEW FORM OF STUDENT LIVING, ACCORDING TO NEEDS AND
SPECIFICATIONS FOR THE SITE. TO PROPOSE ALTERNATIVE FORM OF SHARED AND SINGLE LIVING,
SUPPORTING SOCIAL GATHERING AND COMMUNICATION AND CONNECTIONS BETWEEN USERS.