

COMMUNAL HUB // STACKABLE, USABLE, LIVABLE ADRESA: 1380 M.N.M. 555AT1 | WS22/23 XIE LIANG (XAVIER), SEAH



PROJECT SITE // KRKONOSE NATIONAL PARK



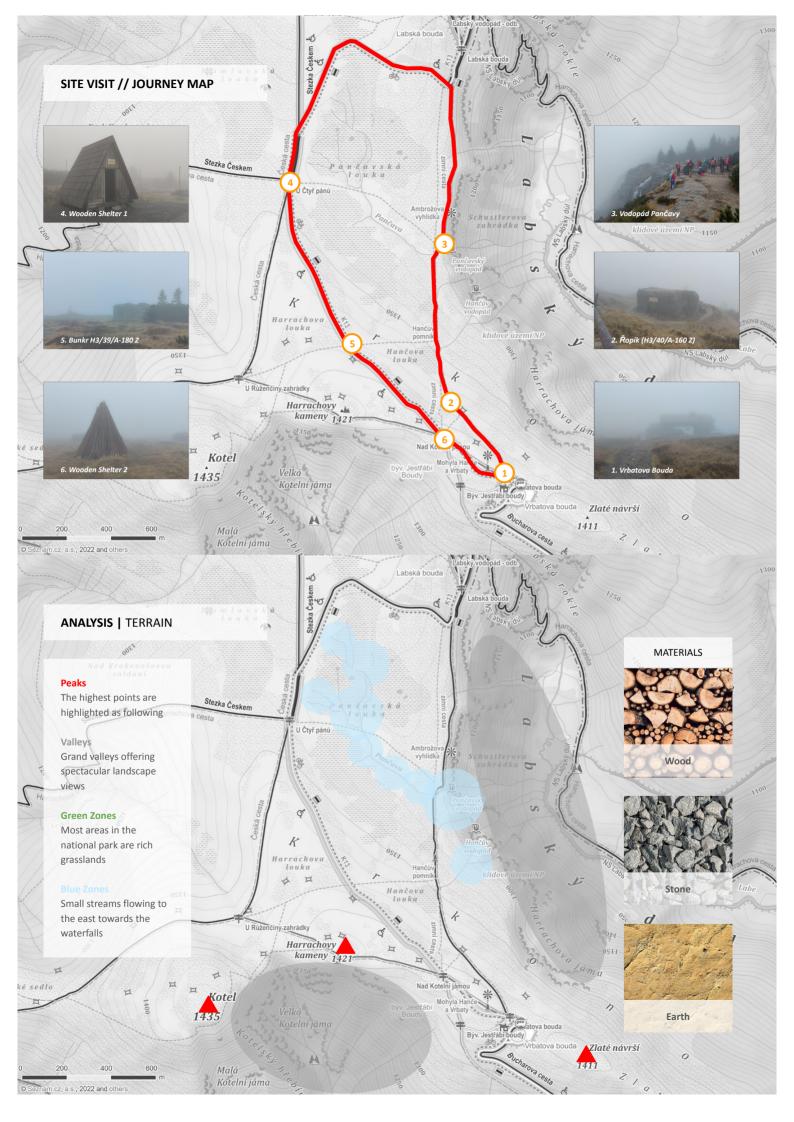
CHOSEN SITE AND ITS ADVANTAGES

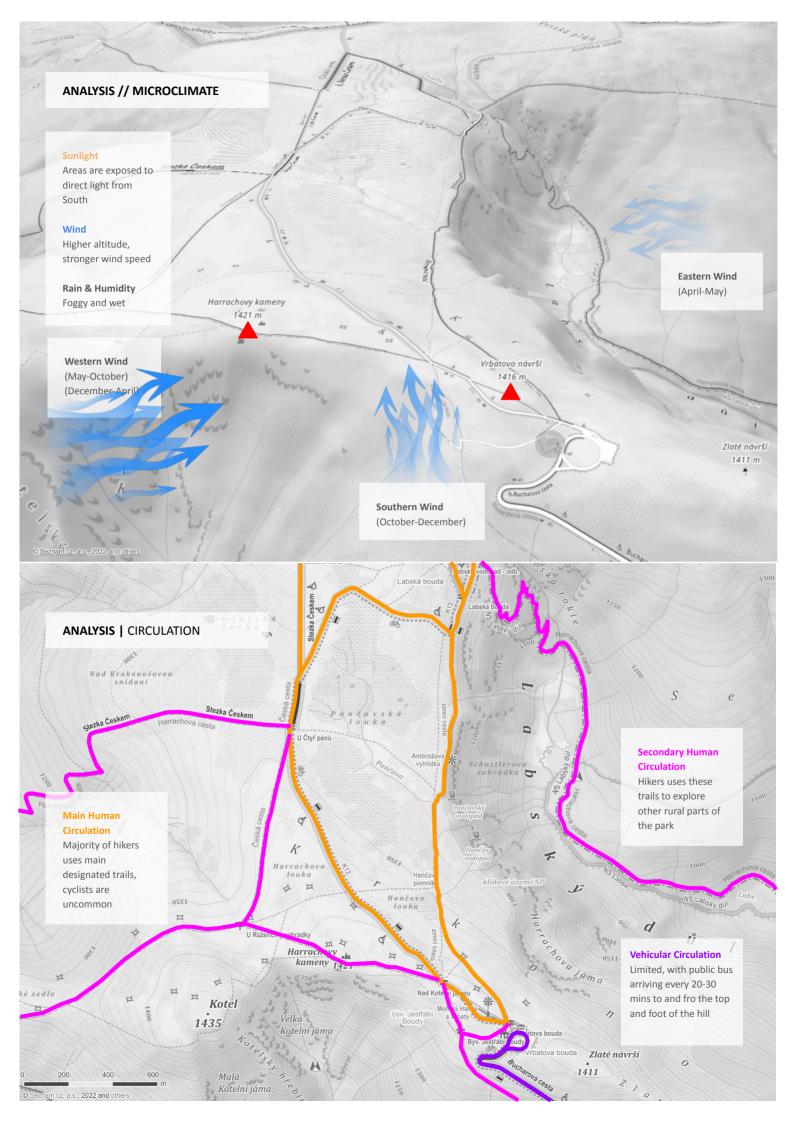
Existing sloping terrain provides good coverage against strong Southern and Western winds most of the year

Offers great views towards Labský důl (Elbe Valley)

Accessible and convenient as it is located near the main human and vehicular circulation routes

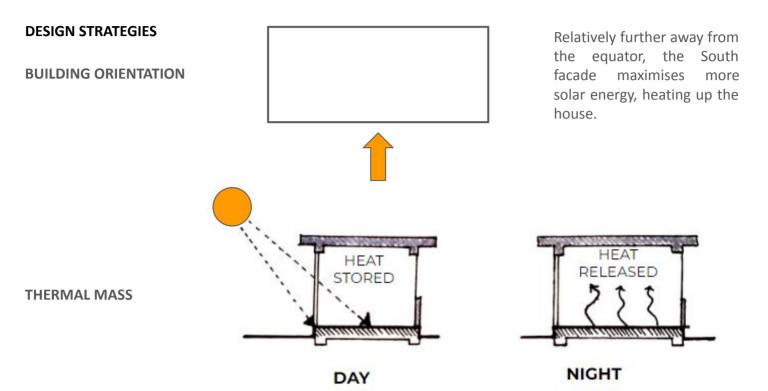
Potential to tap into the existing power grid and water supply points that is shared with the nearby restaurant (Vrbatova Bouda)



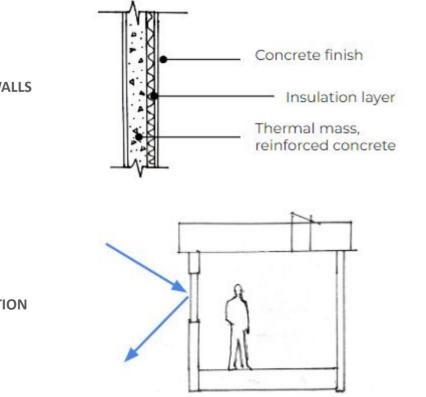


DESIGN STATEMENT //

TO DESIGN A SUSTAINABLE COMMUNAL HUB THAT ENCOURAGES SOCIAL BONDING AND CULTIVATES A NEW WAY OF LIVING IN THE UNPREDICTABILITY



High thermal mass benefits cold climates as it allows heat to be absorbed during the day and released at night to keep warm.



Insulation adds thermal mass to the walls, enabling the increased retention and subsequently release of heat, which is ideal for Czech Republic's cold climate.

Air sealed windows prevent cold air from entering, therefore maintaining temperatures indoor

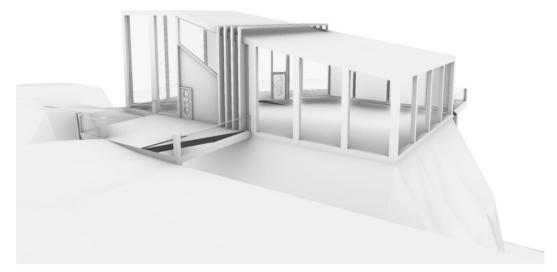
INSULATED WALLS

AIR INFILTRATION

ITERATION 1 // SLANTED ROOF



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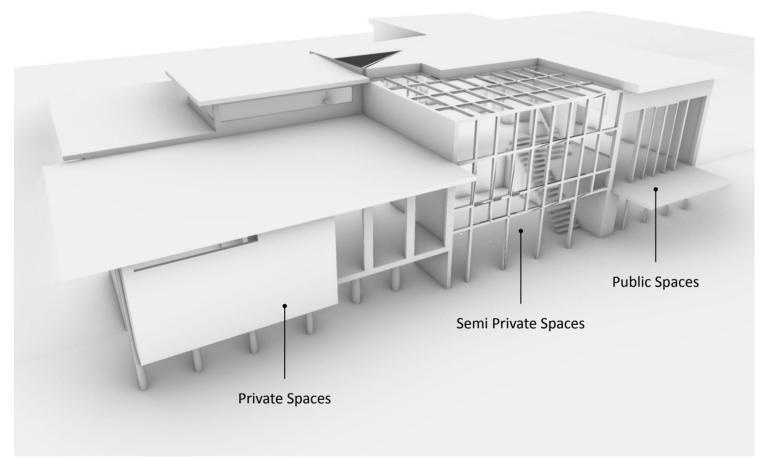


Front Perspective



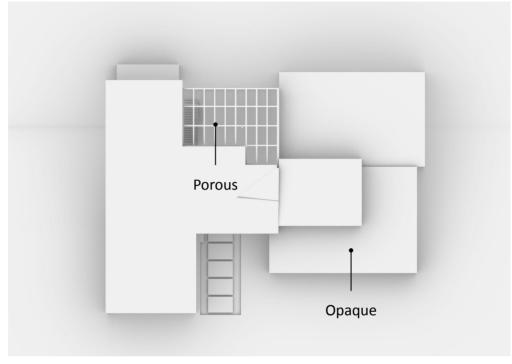
Slanted Roof Profile

ITERATION 2 // POROSITY OF SPACES

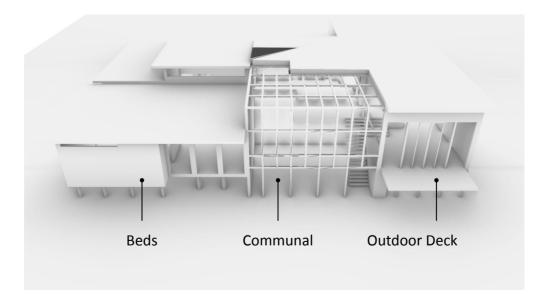


Front Perspective

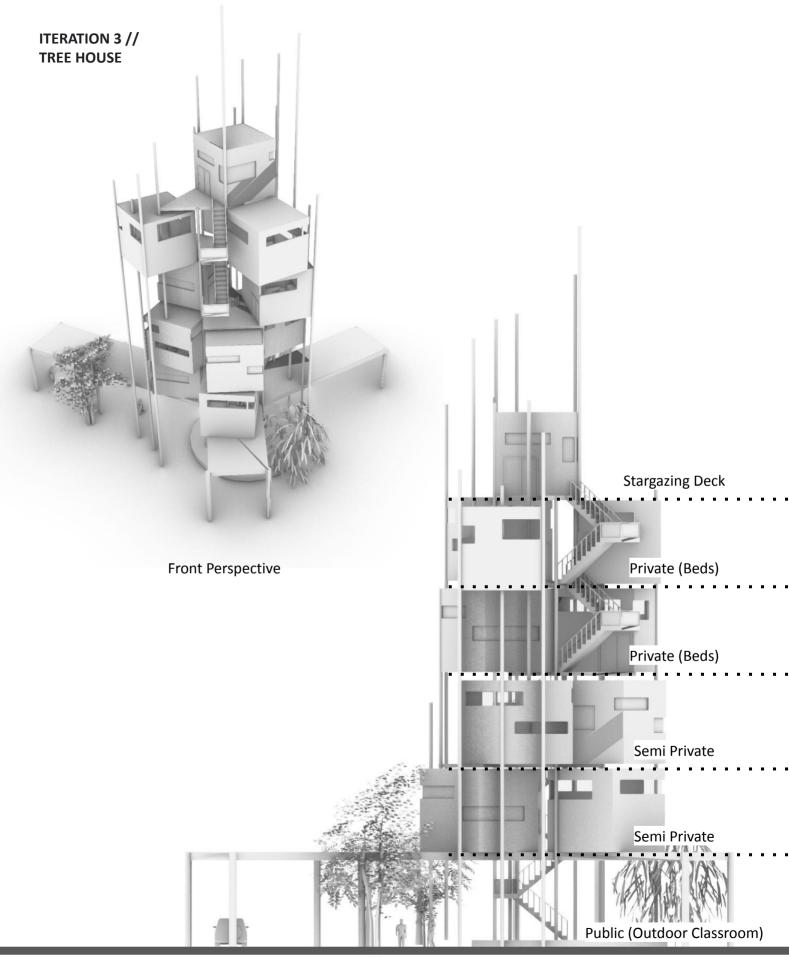
ITERATION 2 // POROSITY OF SPACES



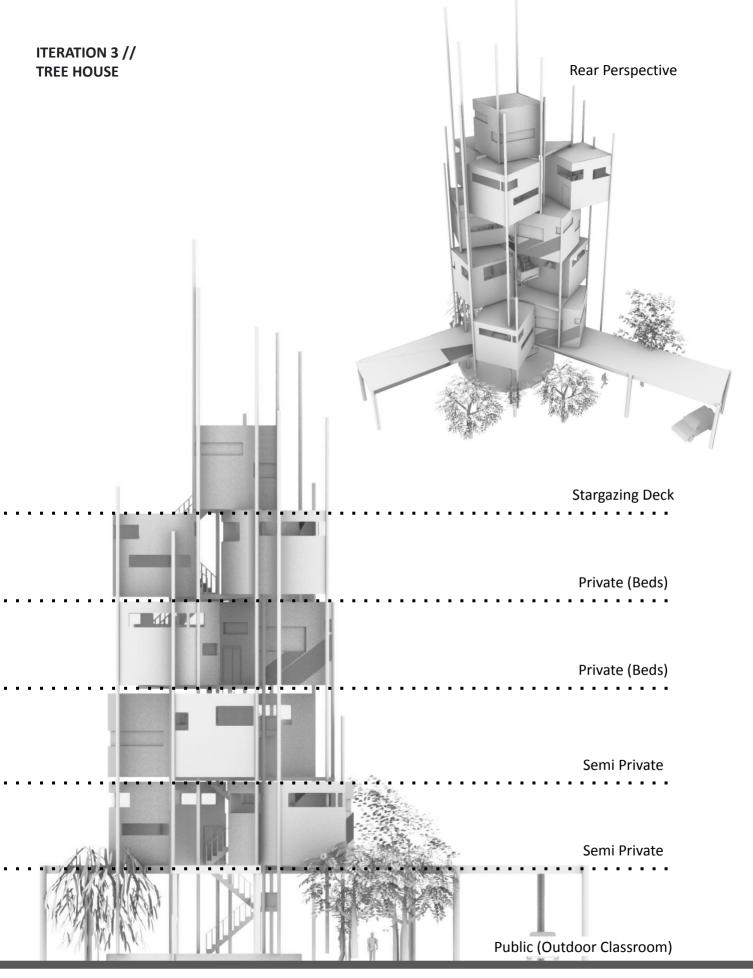
Top View



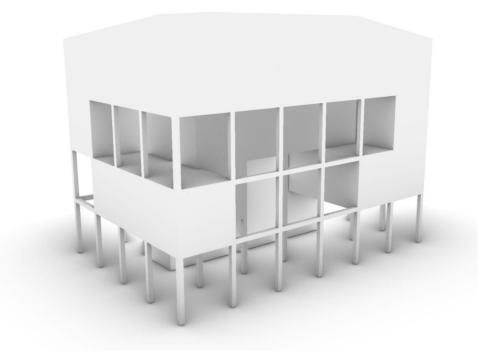
Front Facade



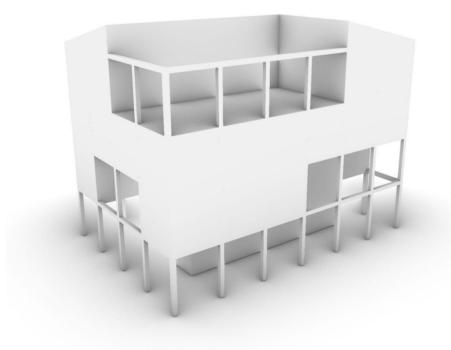
East Elevation



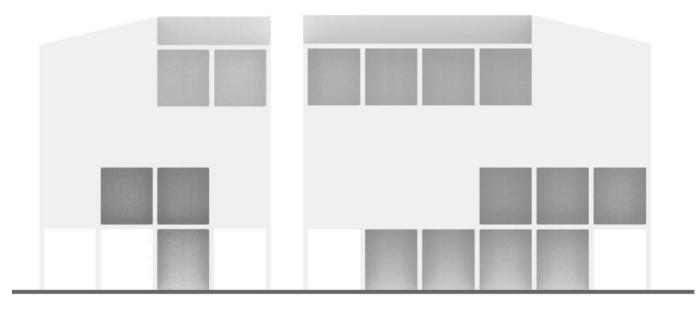
West Elevation



South Facing Facade

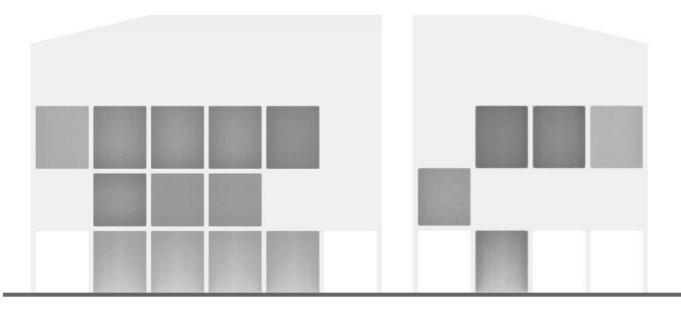


North Facing Facade



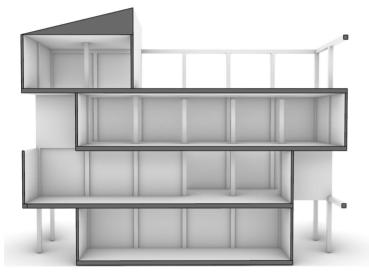
East

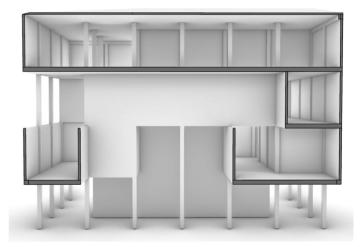
North



South

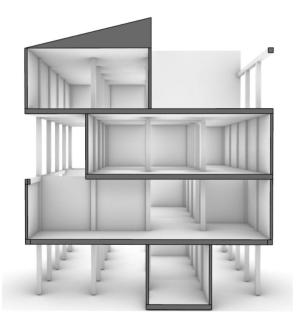


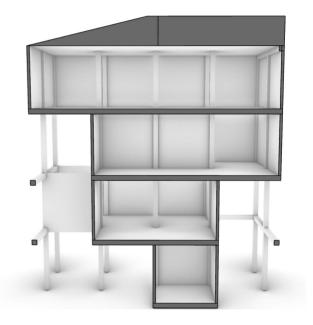




South Section AA

South Section BB



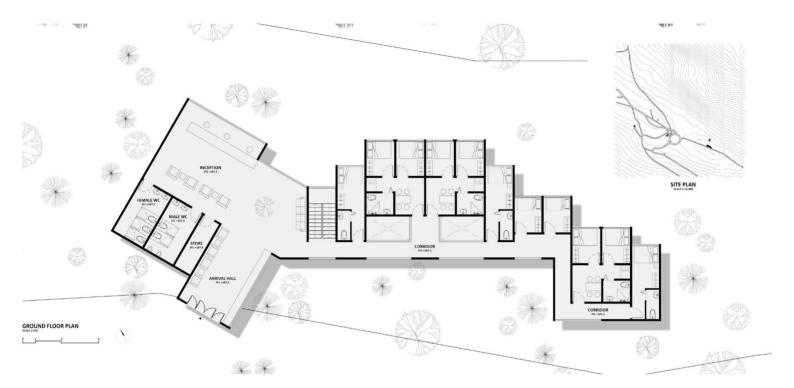


East Section AA

East Section BB







AVAILABLE UNIT TYPES





UNIT TYPE 1A FOR 1 PAX SCALE 1:100

UNIT TYPE 1B



SCALE 1:10

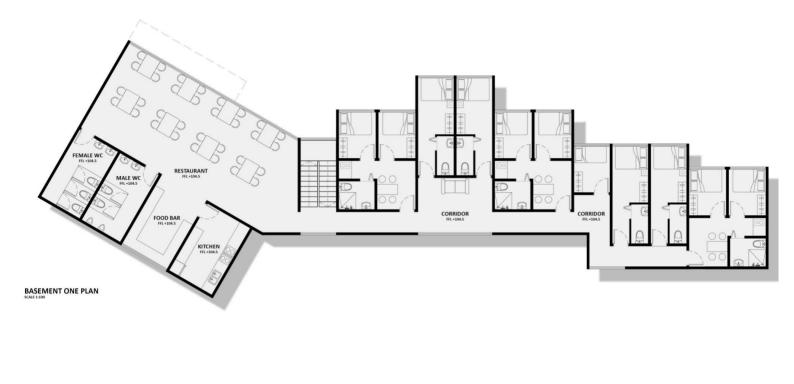


UNIT TYPE 2B

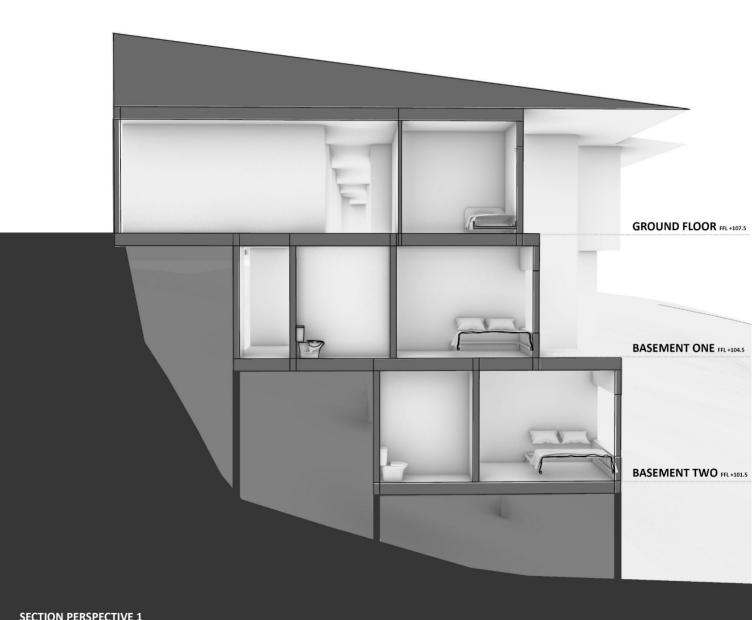




SCALE 1:100







SECTION PERSPECTIVE 1 SCALE 1:50



SECTION PERSPECTIVE 2