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White Architecture Festival 2015

NET ZERO+

our proposal is an integrated vision and solution that invites the community of Montpellier to take an active role - especially the youngest generations - to ensure a bright sustainable future

It loops in the people that make up a great city!

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White Architecture Festival 2015

TOGETHER TOWARDS

Net Zero+ Downtown Montpelier 2030 will require commitment, innovation, and most of all, **collaboration**

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The urban form of Net Zero+ will be of **higher density** with **stronger integration** defined by **public space** - the social nodes of the community.

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DENSITY

increased density allows for easy and comfortable **access** – by foot and bike – and denser land use encourages a **net zero future lifestyle**

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INTEGRATION

small scale solutions cover a lot of ground – a series of manageable, do-able, innovative solutions that are adaptable to future changes and empower people

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PUBLIC SPACE

public spaces enable serendipitous meetings and planned gatherings that contribute to social **interaction and engagement**

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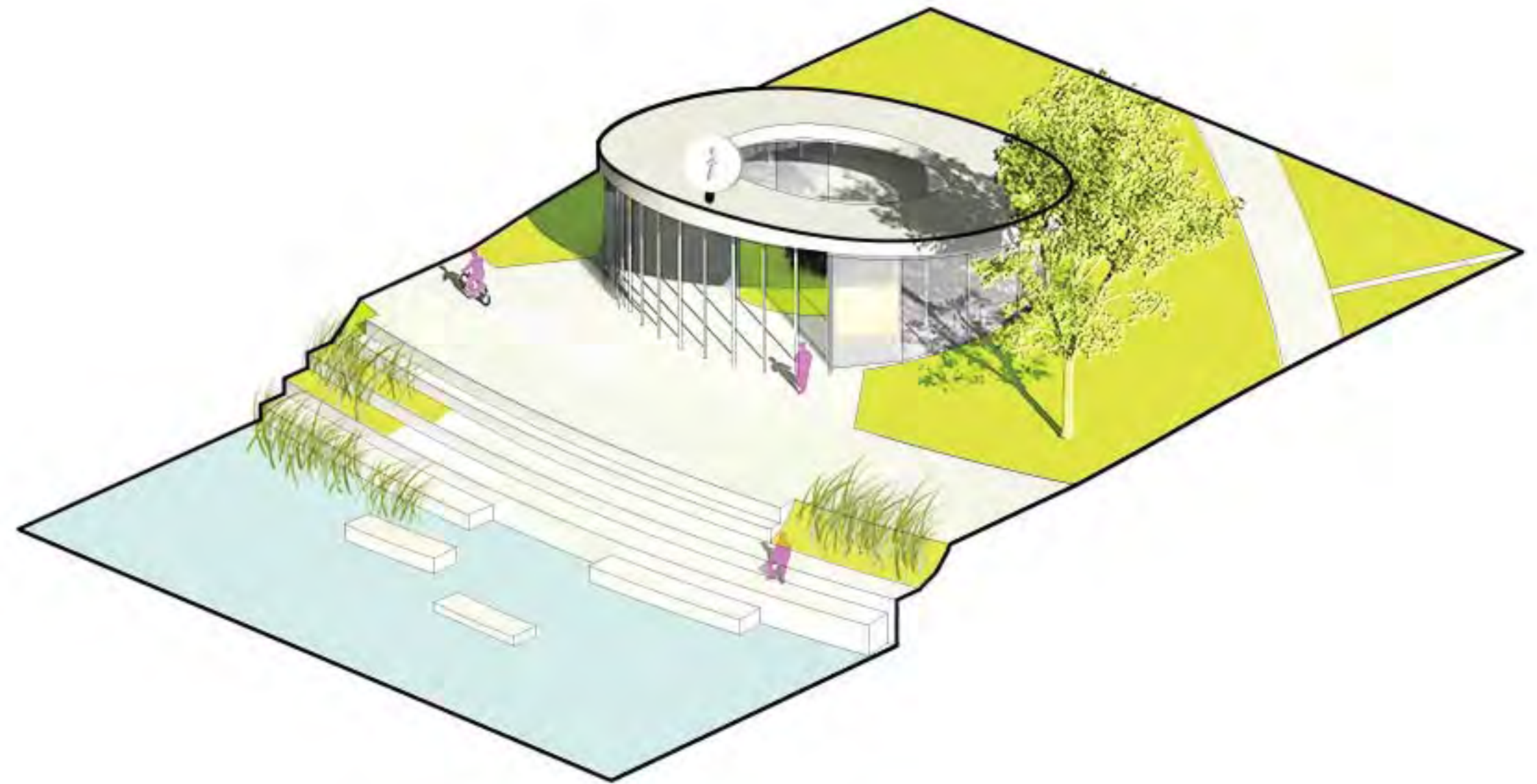


WINOOSKI RIVER PARK

front and center is Winooski River Park, a generous and multifunctional public greensward that reaquaints the city with the river – providing a safe and secure environment

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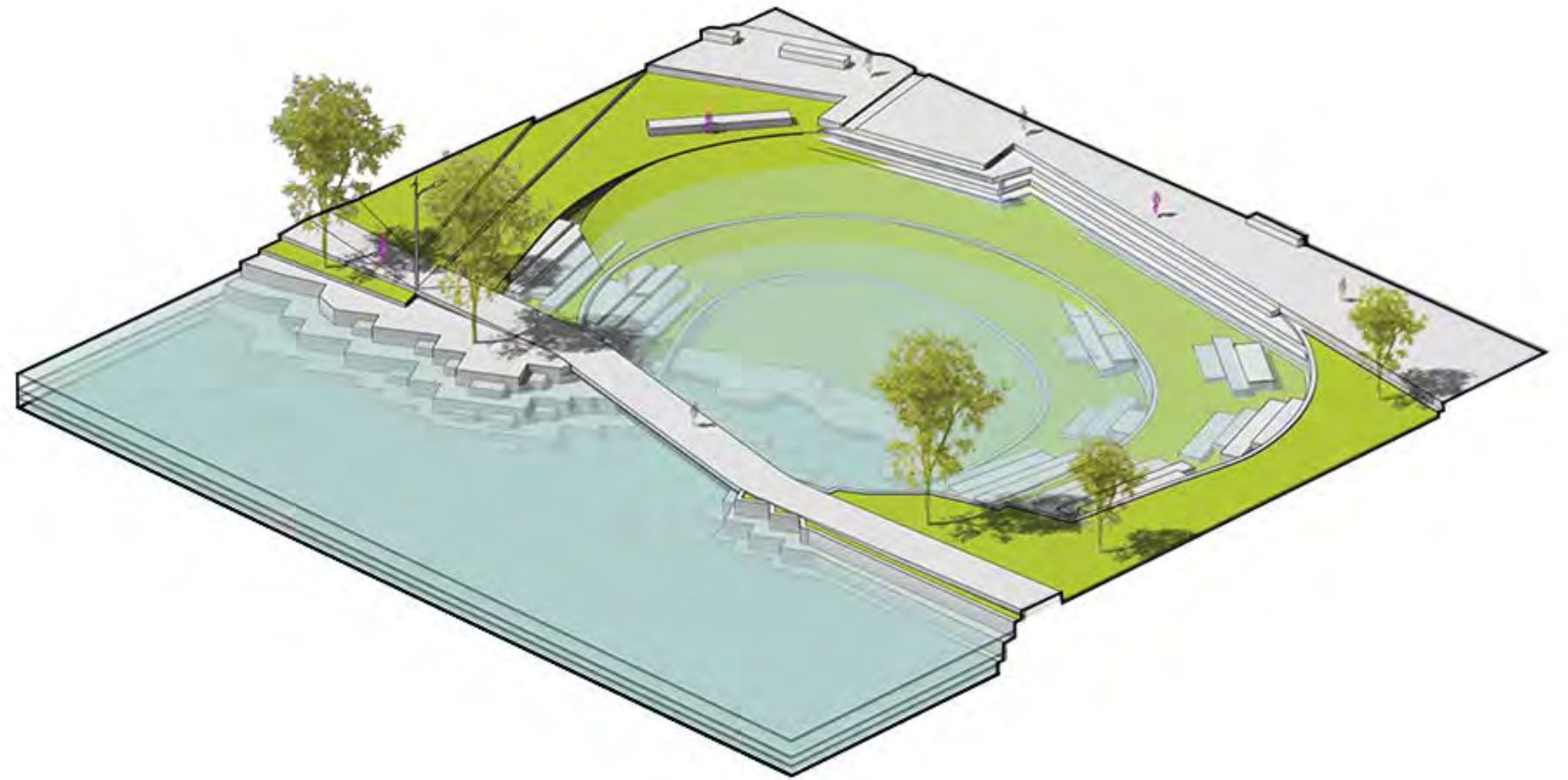


NET ZERO+ LAB

Net Zero+ LAB invites people to part take in the collective effort to reach beyond Net Zero

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WINOOSKI RIVER PARK BASIN

stormwater is made public as the process becomes transparent in the form of visible, functional design that is beautiful and playful through the eyes of children

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STRAINER STREETS

strainer streets are equipped with the tools to collect, filter, detain and infiltrate stormwater – they celebrate water and engage the public

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TRANSIT HUB

the transit hub is integrated into Winooski River Park – an active round-the-clock street life spins off in an active park

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LOOPS

a series of so-called “loops” working effectively to integrate and bind together existing and new development where cyclist, pedestrians and public transportation take precedence

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PARK BRIDGE

strengthening the connection to the south, Park Bridge provides a place to pause at the river, a safer pedestrian crossing, new entrance and future iconic landmark

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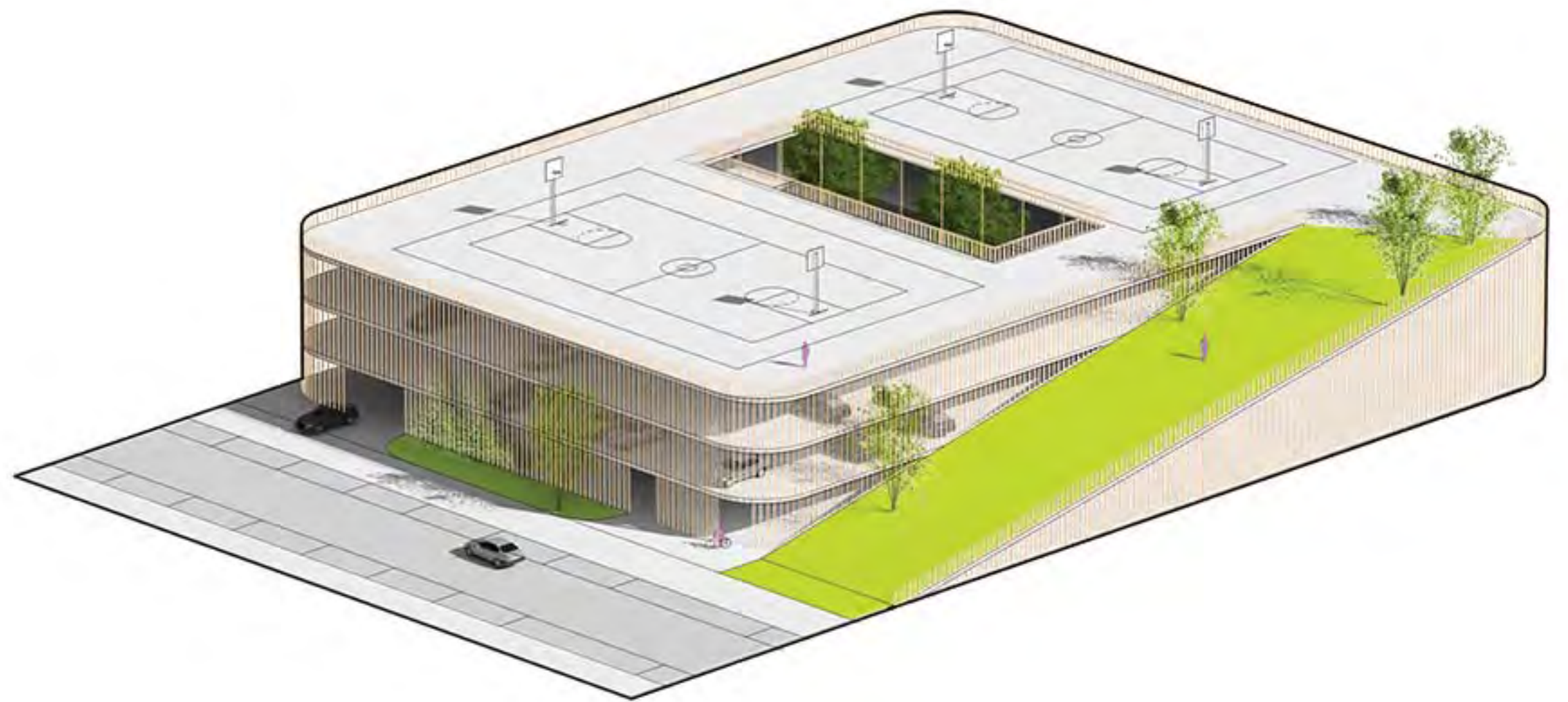


ARCHITECTURE

new developments offer alternative living typologies – young and old get the opportunity to live in new communal high performance buildings that are constructed from locally sourced, sustainable materials

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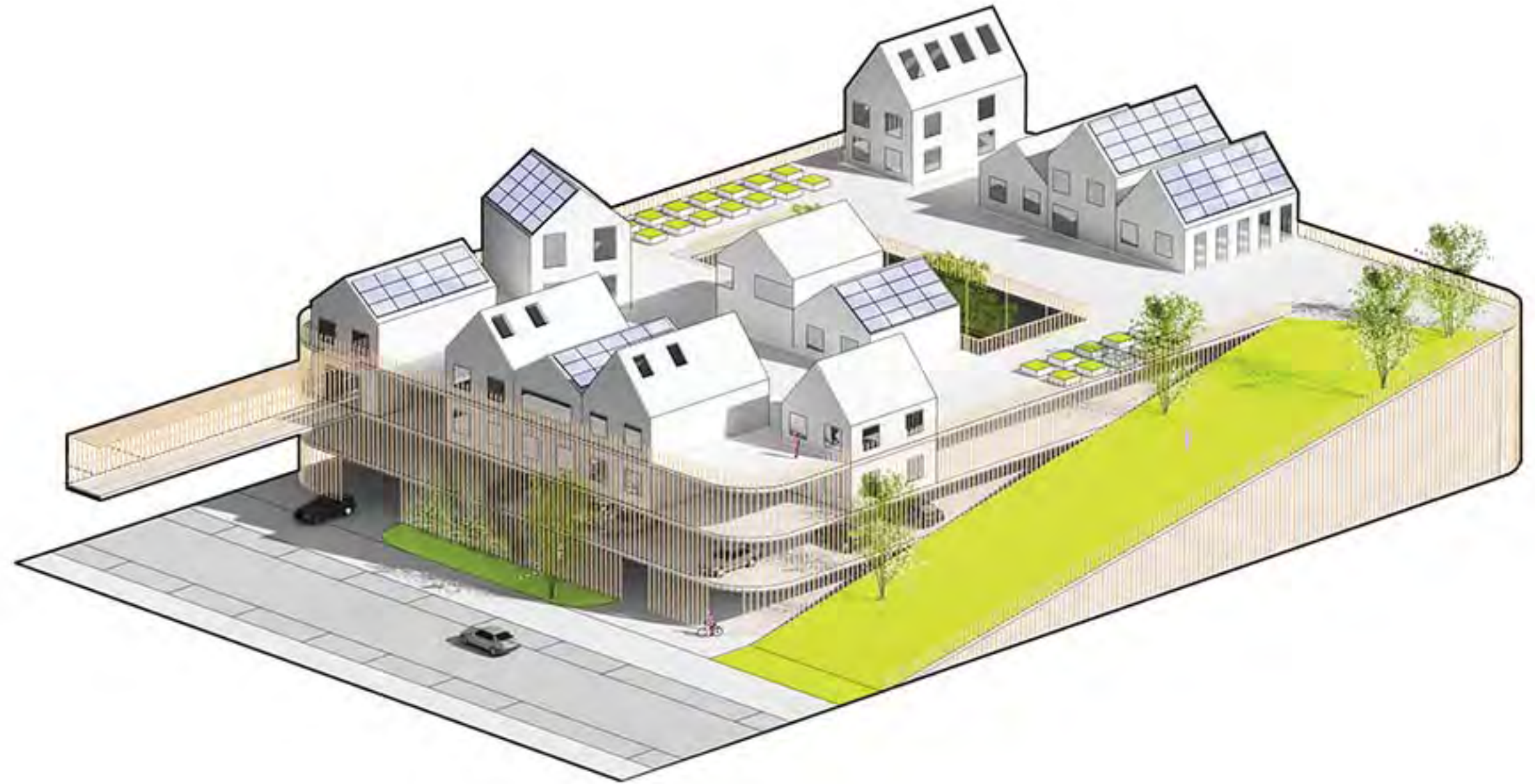


STATE STREET PARKING

a new hybrid of a parking garage and a public park with exterior surfaces that allow for a variety of playful outdoor activities during all seasons

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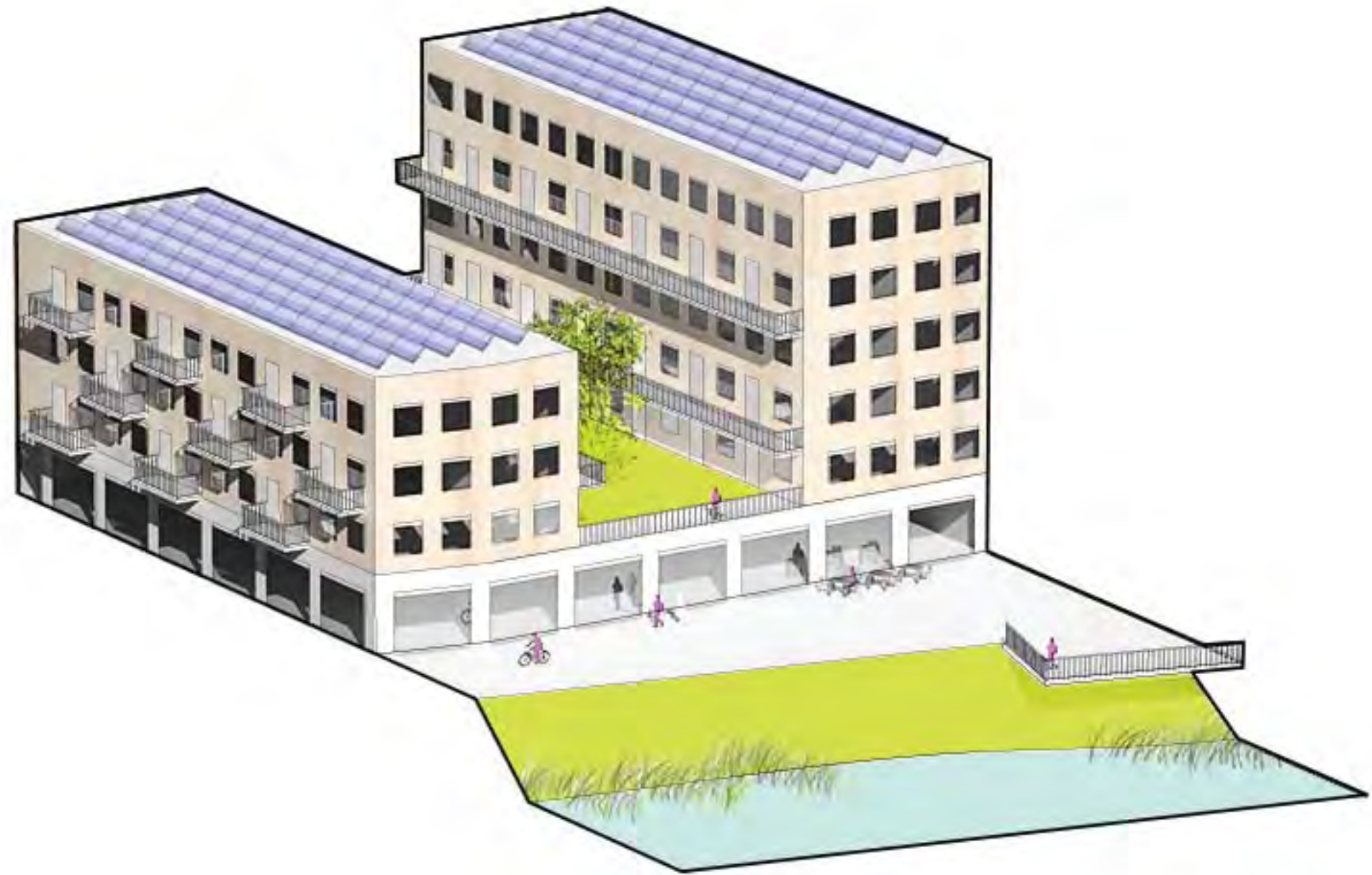


STATE STREET PARKING

a temporary parking structure that, over time, will transform into a mobility hub and community center and eventually housing

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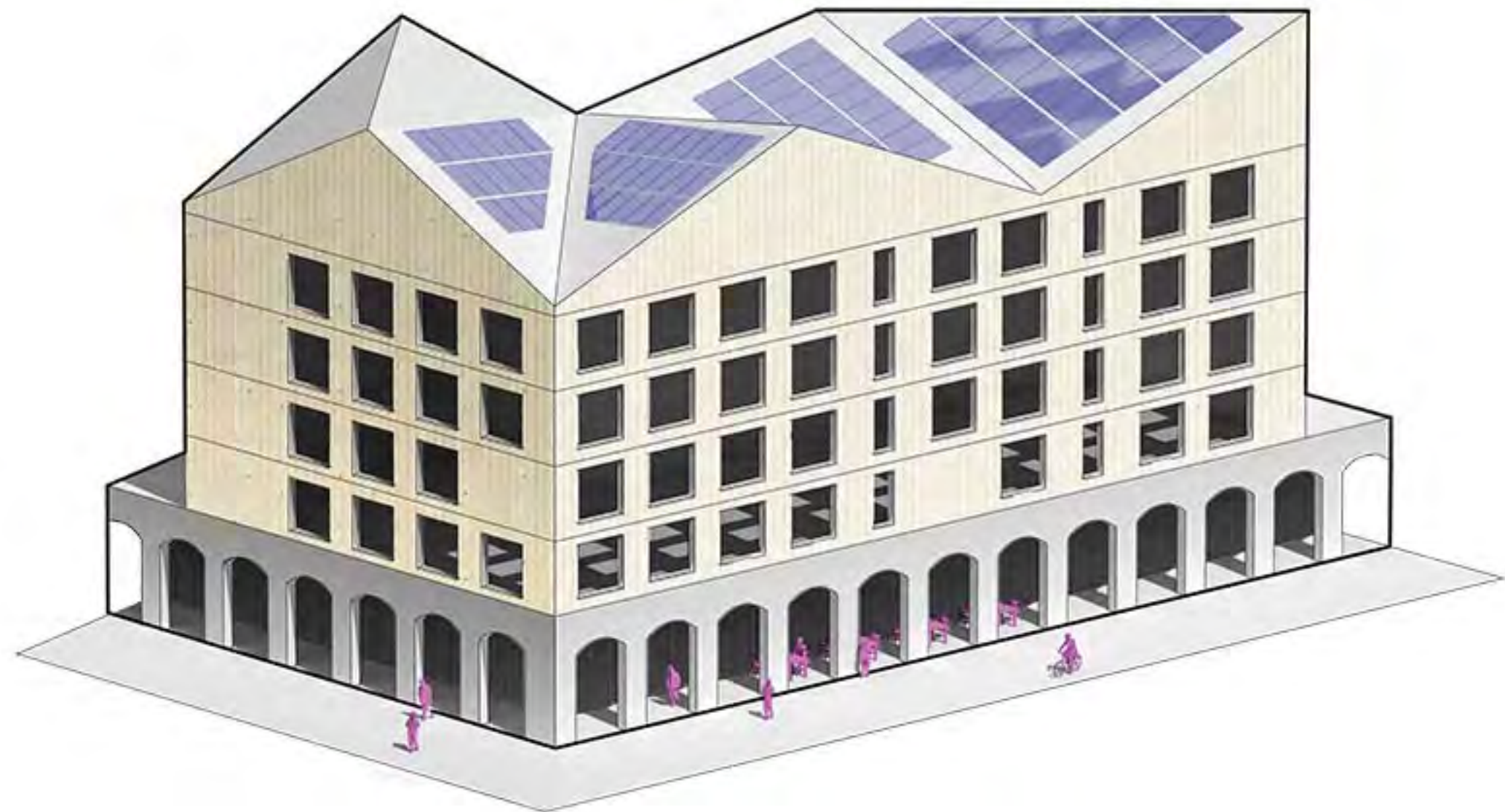


MAKER SPACE LIVING

a new hybrid of residential units and shared work space with a highly flexible construction that enables the building to adapt to market demands providing **excellent opportunities for younger generations**

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INDOOR FARMERS MARKET

dedicated to connecting farmers, food producers, and chefs that support Vermont agriculture, and bring fresh, flavorful, high-quality food to all Vermonters and guests

– **bridging generations**, the program includes elderly housing and daycare

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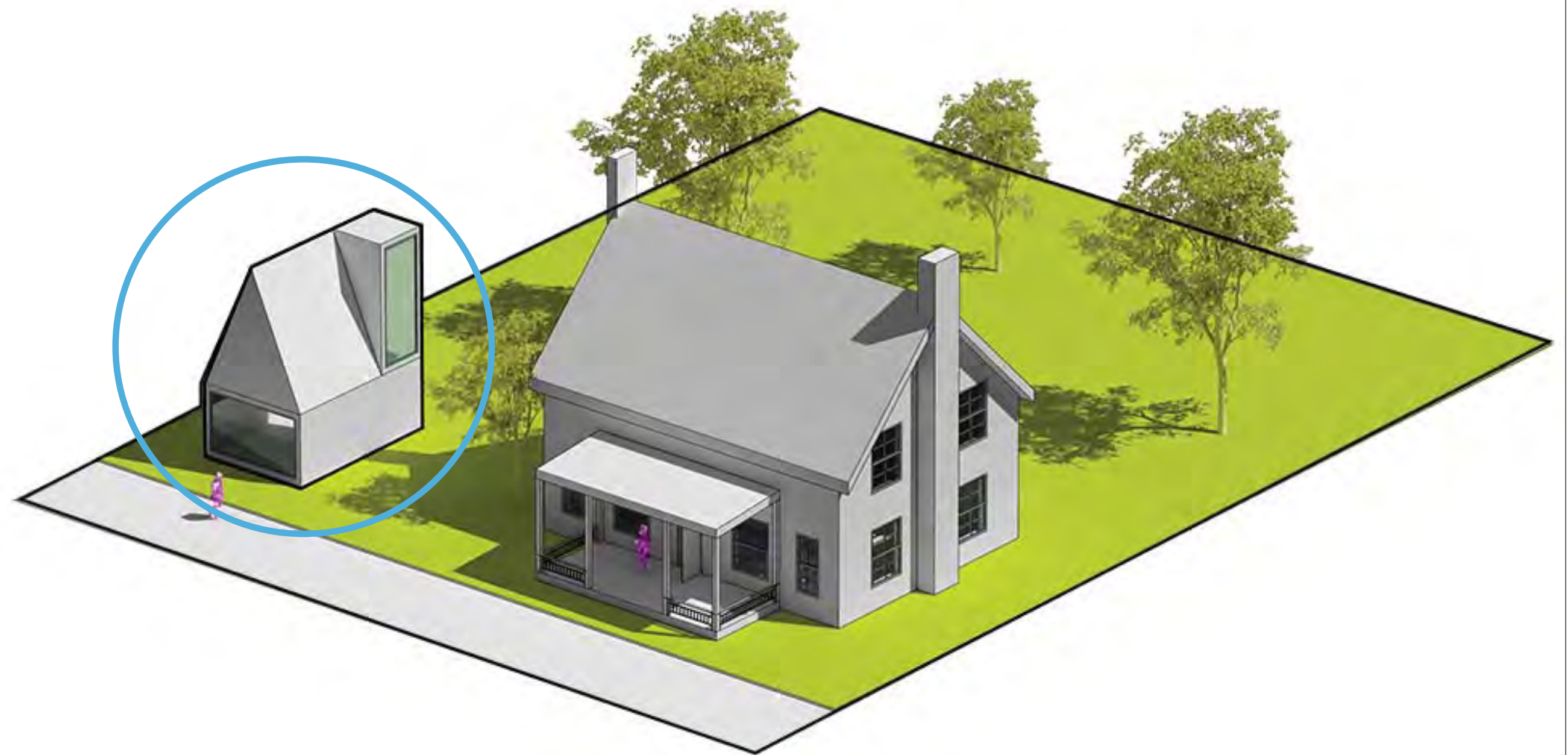
White's communal garden: "Trädgård På Spåret"

COMMUNAL GARDENS

gardening with children provides for hands-on learning and inquiring, observation and experimentation – to build an understanding of and respect for nature and our environment

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270 SQUARE FEET

building permit free small D.I.Y. structures provide affordable housing for the young – increasing density in existing neighborhoods and allowing for modification to meet individual demands

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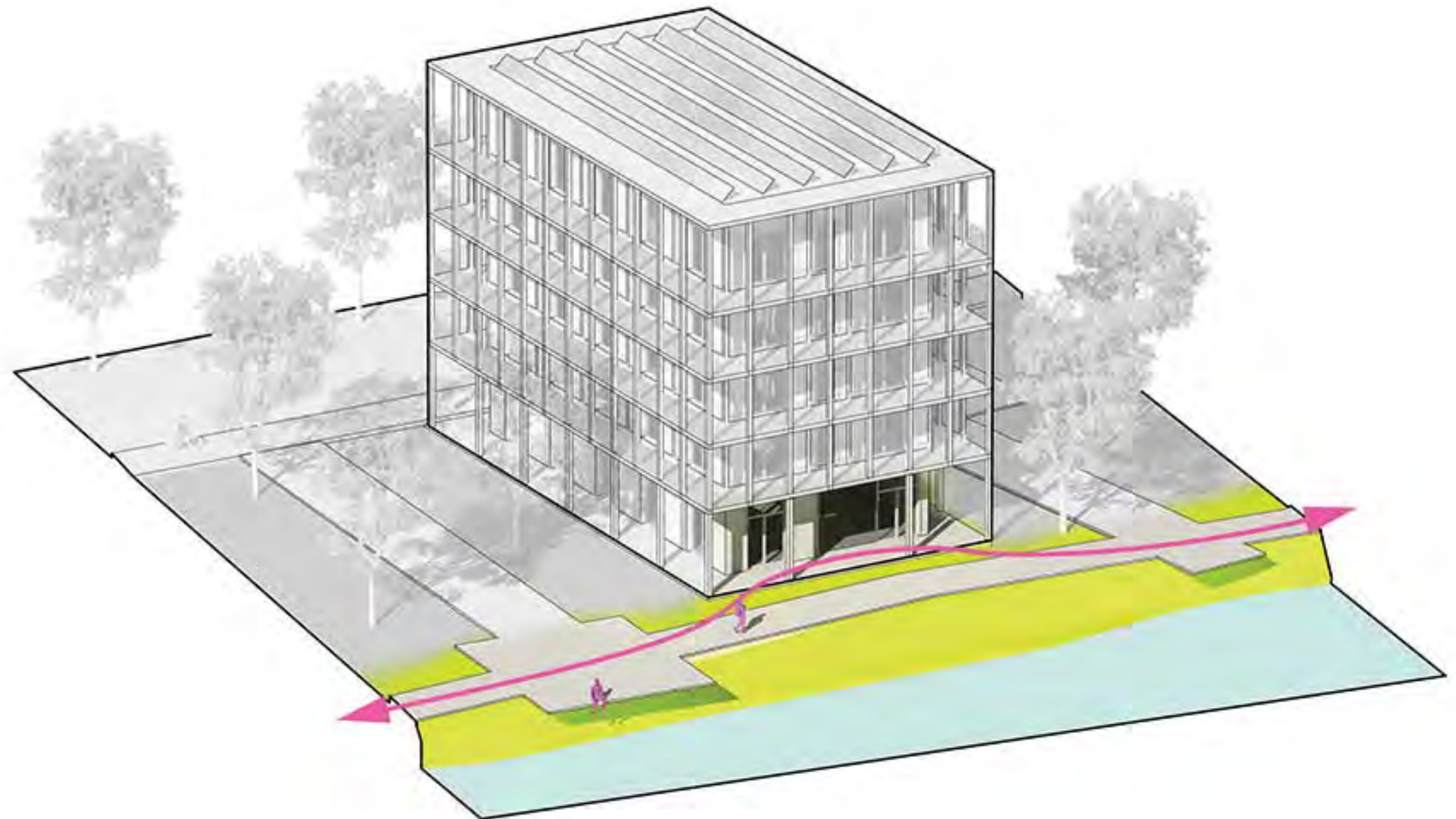


RIVER HOUSING CELEBRATE MONTPELIER

apartment building with a concrete plinth to provide protection against possible flooding while the timber construction **draws in the warmth of the surrounding landscape**

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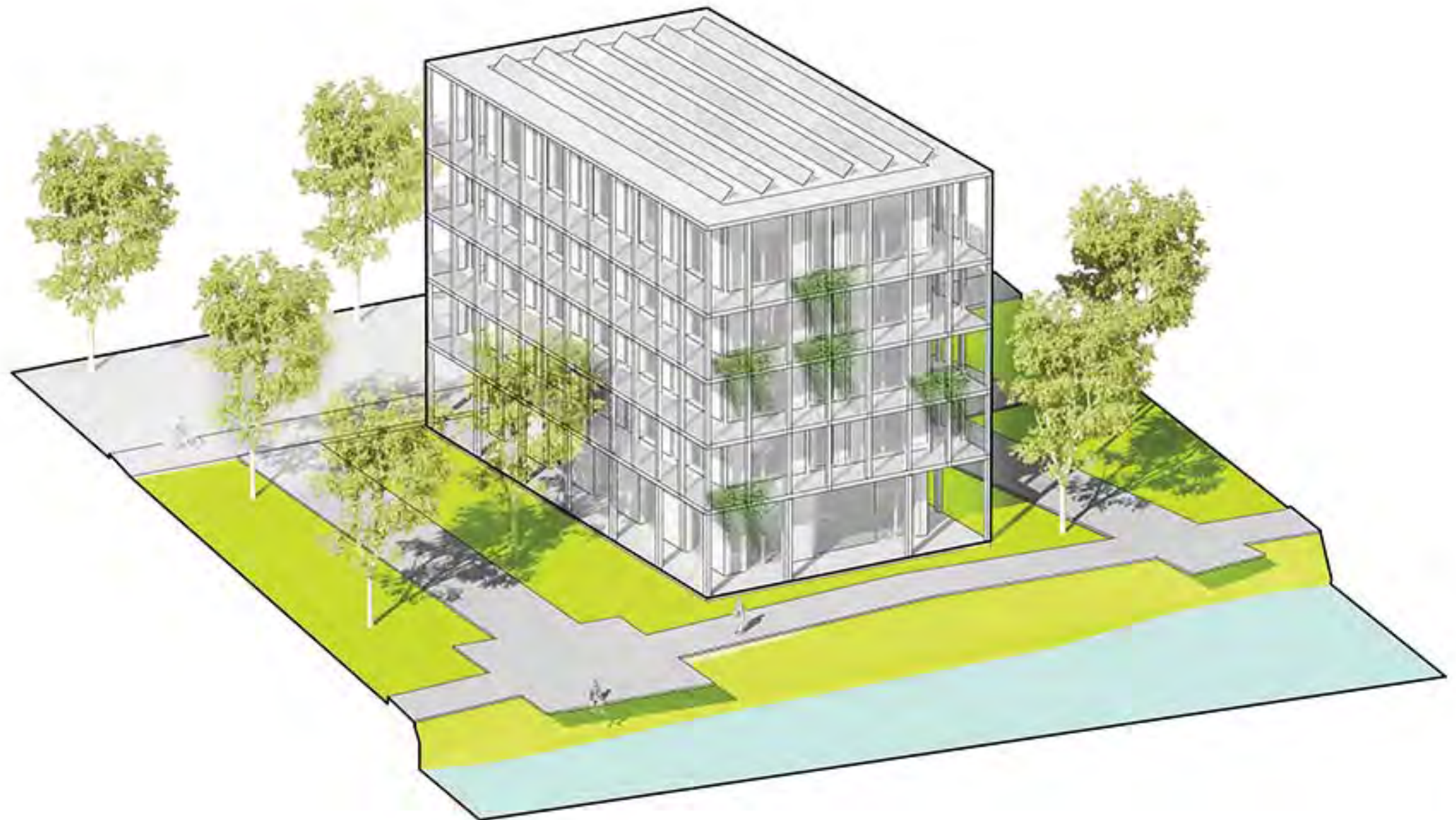


RIVER HOUSING ENGAGE IN PUBLIC LIFE

open program on the ground floor activates public space, encouraging the community to engage in public life

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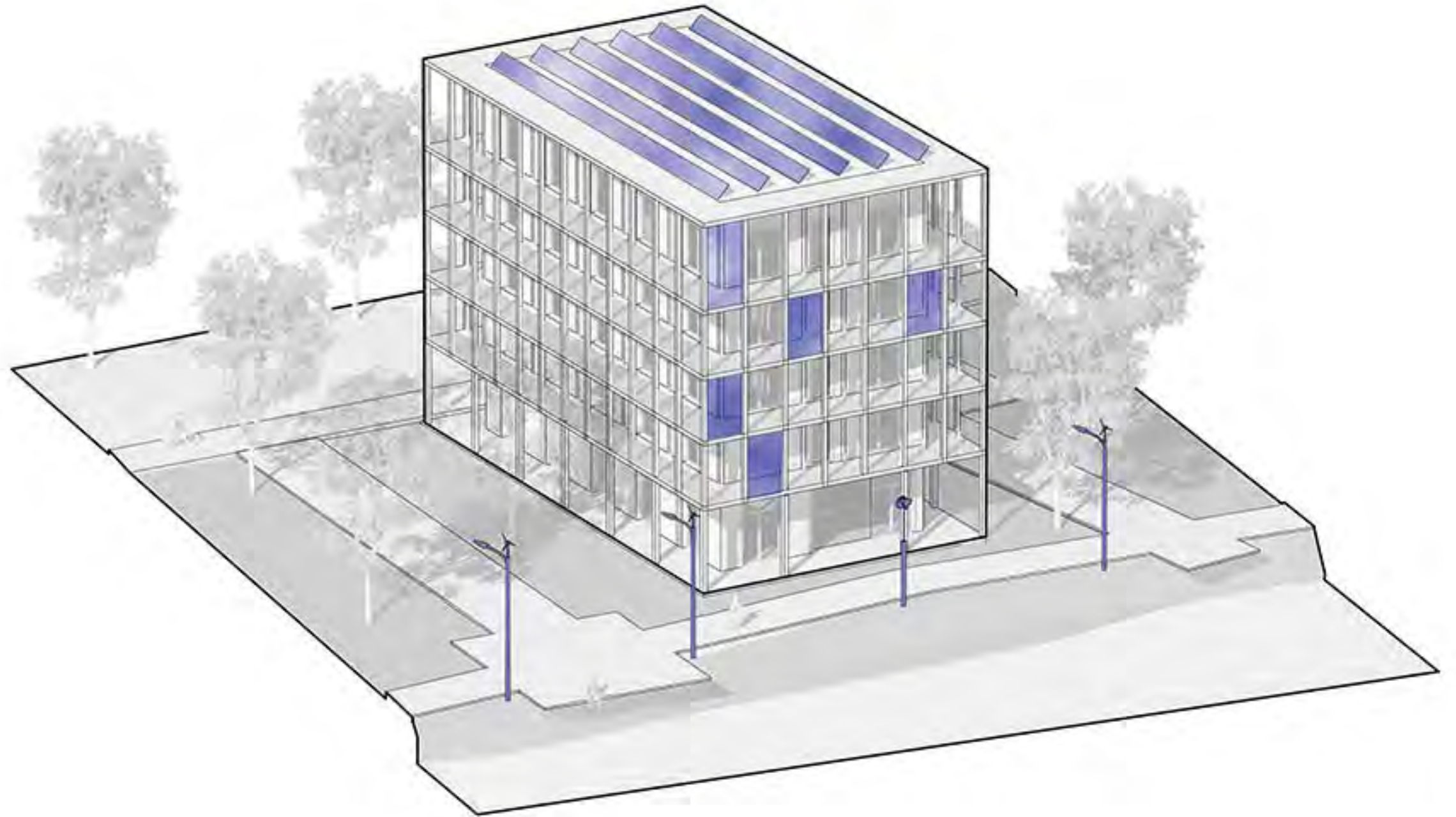


RIVER HOUSING EMBRACE NATURE

strengthening the bond and accessibility with the river and the wooded hills surrounding,
inviting Vermont nature into its core

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RIVER HOUSING ENSURE ENERGY

buildings will reach Net Zero+ utilizing their direct environments and achieved through the incorporating pv-cells, district heating and natural ventilation with passive stack effect

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NET ZERO+

integrated and visible **technologies** and **policies** that support the community of Montpelier, and especially the youngest generations – ensuring a bright sustainable future for Montpelier and inspiring cities across the America and worldwide.

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THANK YOU

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