Architectural Vision

3172 Gates Canyon Rd
Vacaville, California



Revision 1

BRINK
BRANDENBURG
ARKITEKTUR

Architects: David Gaarde Mikkelsen & Kurt Brink Kristensen — Denmark — November 2021



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Design concept

Villa

The overall architectural form of the villa seeks to quietly complement the dramatic landscape in a restrained, minimalistic and visually clear design. Stylistically drawing on both contemporary Nordic architecture and the traditional American ranch motif, its elongated, horizontally defined and centrally symmetrical composition of distinct elements strives for both conceptual clarity and aesthetic elegance in the grand setting.

Through a consistent and binary distinction between "open" and "closed", the façades are configured to establish a clear and deliberate interaction between inside and outside focusing on providing dramatized and directed long-distance views. This approach is dominated by the central space being fully open towards both the top and bottom of the sloping terrain, resulting not only in a spacious, airy and through-lit room, but also providing a psychological "sense of place" relative to the ever-percent mountainside.

This central space is envisioned as the open-plan, flexible and social heart of the villa, with the more private functions allocated towards either side.

An assortment of custom-designed integrated details and storage solutions ensures efficient use of space while enabling the minimalist design identity and providing a sense of exclusivity.

While complemented by an automatically controlled system of articulated awnings, the employment of significant roof-overhangs seek to manage thermal gains through solar radiation without compromizing the visual clarity and simplicity of the facades. The resulting prominence of the roof surface is compositionally paired with a robust bastion resulting in the contrastingly immaterial role of the facades contributing to a graceful and lightweight overall appearance.

Workshop

The design of the secondary building containing a flexible use car-workshop space seeks to replicate as much of the architectural form-language of the villa as possible for a connected and holistic identity, with the amendments required by its more pragmatic nature carefully detailed.

The basic frame is envisioned as a simple steel structure of prefabricated modular elements, augmented by custom façade cladding elements mirroring the spruce lamellae style of the villa. Crucially, however, the ends of the building are not included in this system and are instead finished as fully glazed curtain wall-like elements, presumably by a separate contractor. This not only provides a reference to the fundamental aesthetic and composition of the villa, but also ensure an attractive and well-lit workspace where the unique potential for spectacular views is not wasted.

Sustainability

The project includes certain considerations for reducing its environmental impact, including significant thermal insulation, a strategy for air management based on natural ventilation, photovoltaic and thermal solar panels, energy-efficiency air-air heat pumps and the use of locally sourced, certified woods.

Note: All dimensions in metric

Solar panels

Workshop

Outdoor workspace

New gravel road

Carport

Courtyard

Villa

Existing private road

Recreational space

N

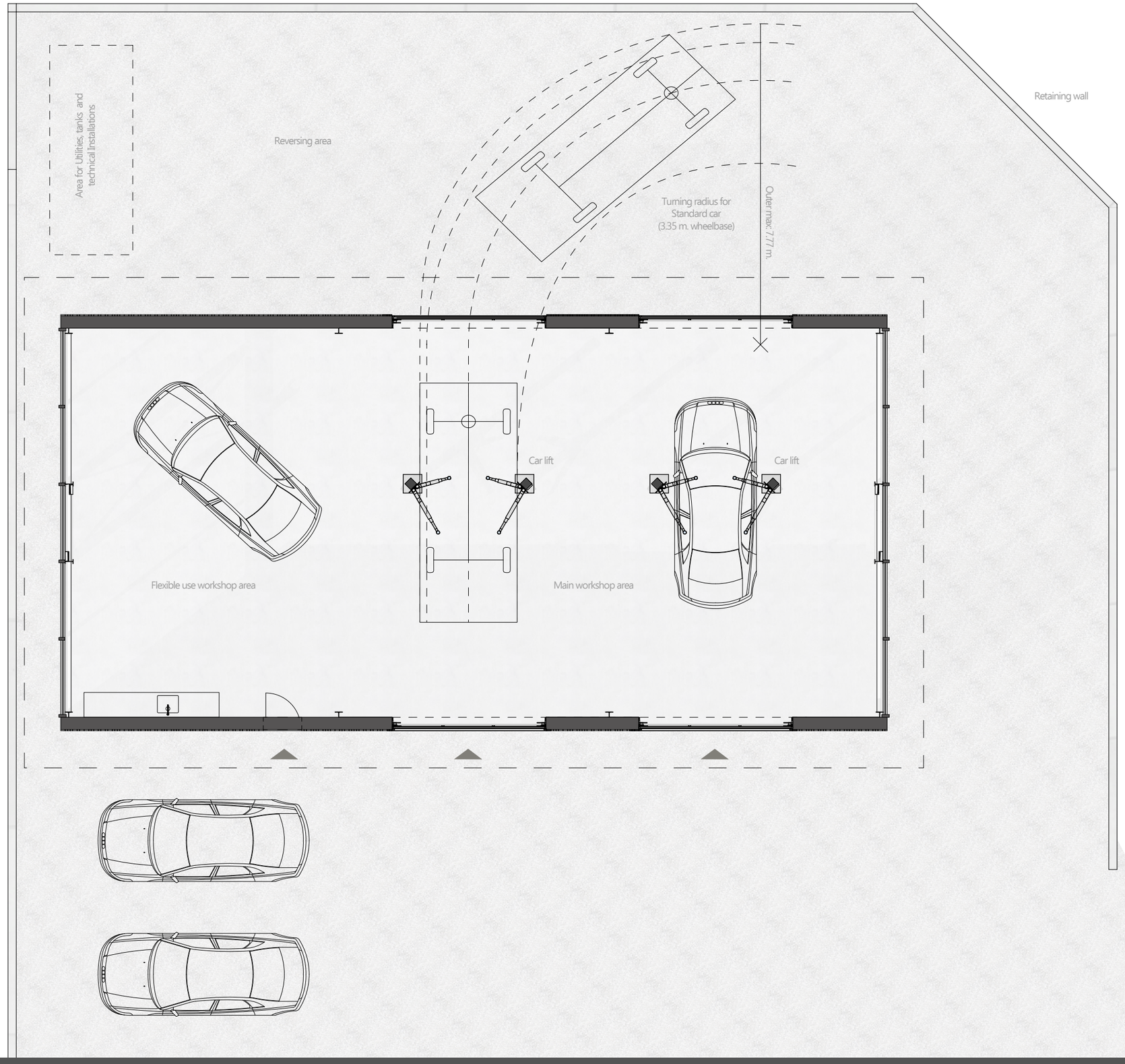
SITEPLAN 1:500
5 FOOT CONTOUR LINES



TOTAL AREA:
(MAIN WING)
200 m.²

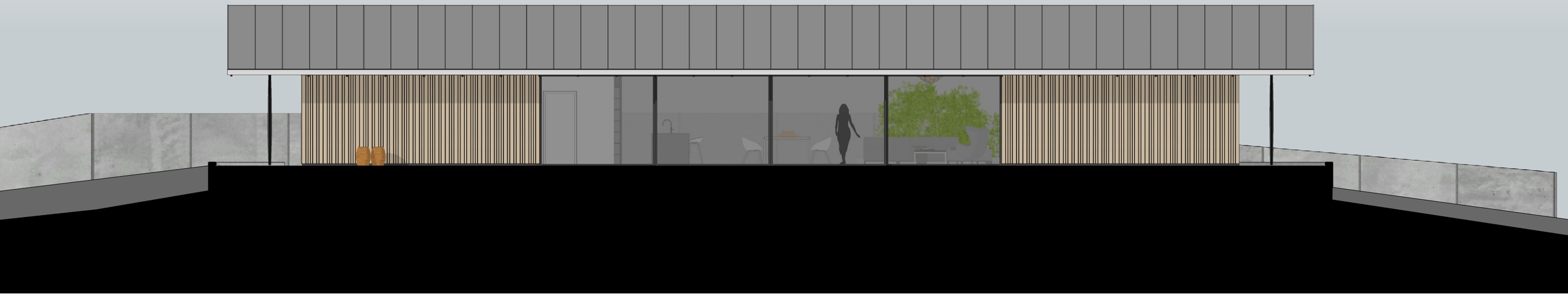
PLAN 1:100
VILLA

TOTAL AREA:
200 m.²

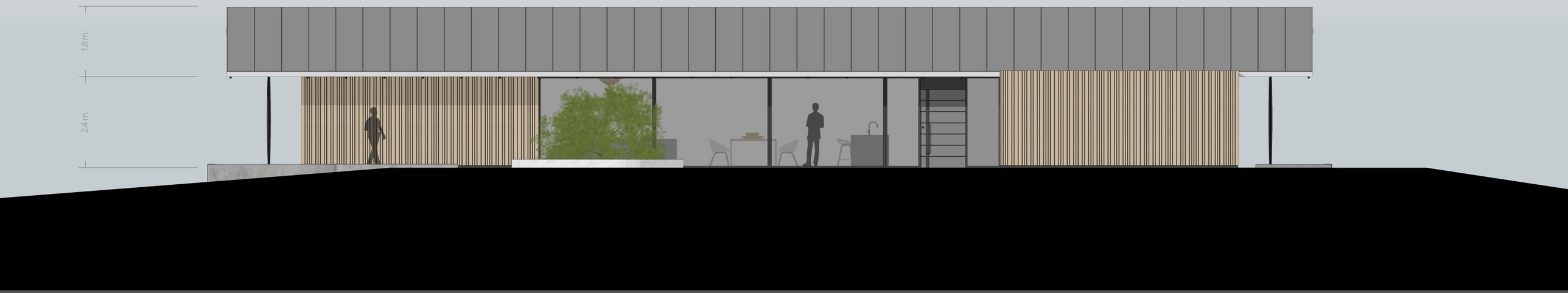


PLAN 1:100
WORKSHOP

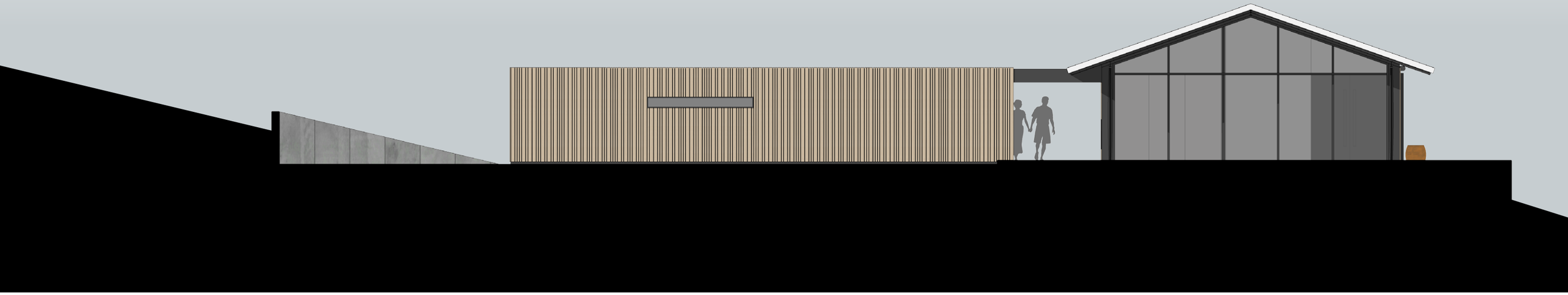
EAST ELEVATION 1:100
VILLA



WEST ELEVATION 1:100
VILLA



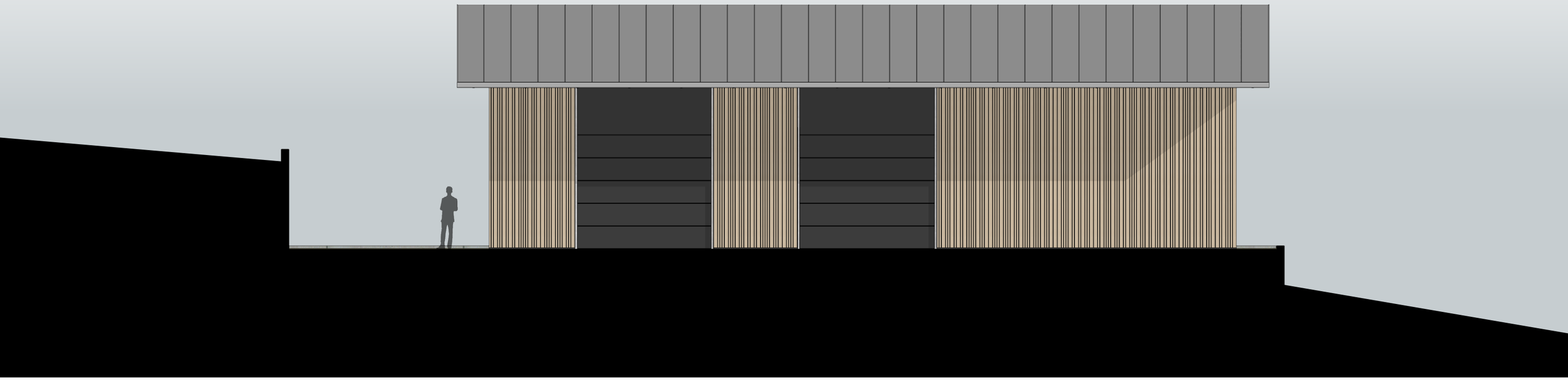
SOUTH ELEVATION 1:100
VILLA



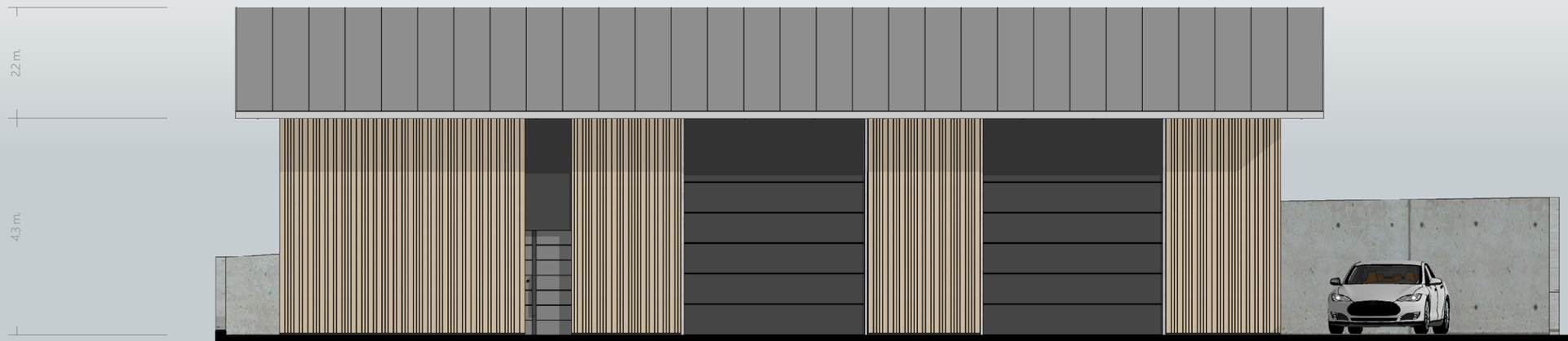
NORTH ELEVATION 1:100
VILLA



WEST ELEVATION 1:100
WORKSHOP

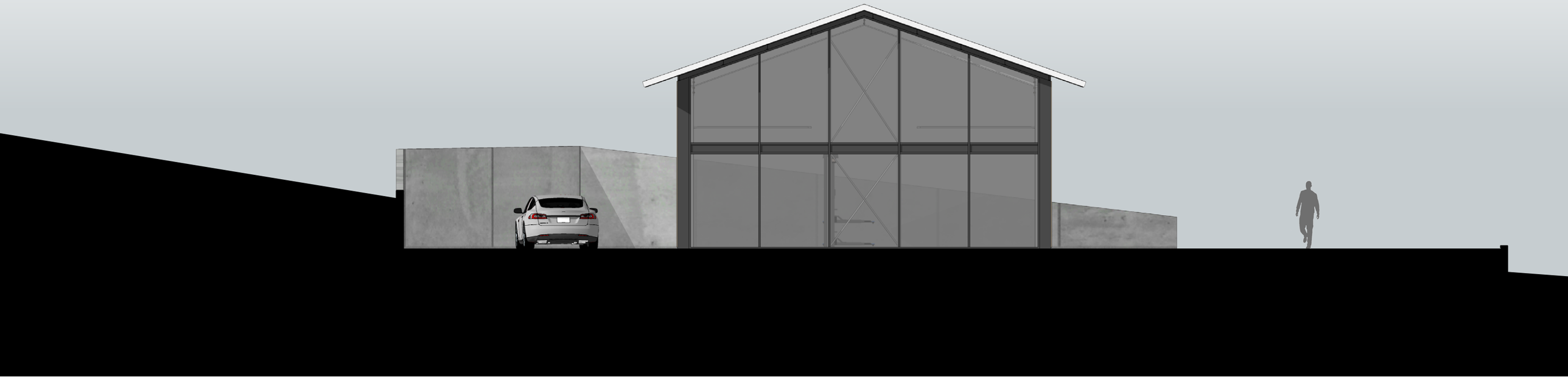


EAST ELEVATION 1:100
WORKSHOP

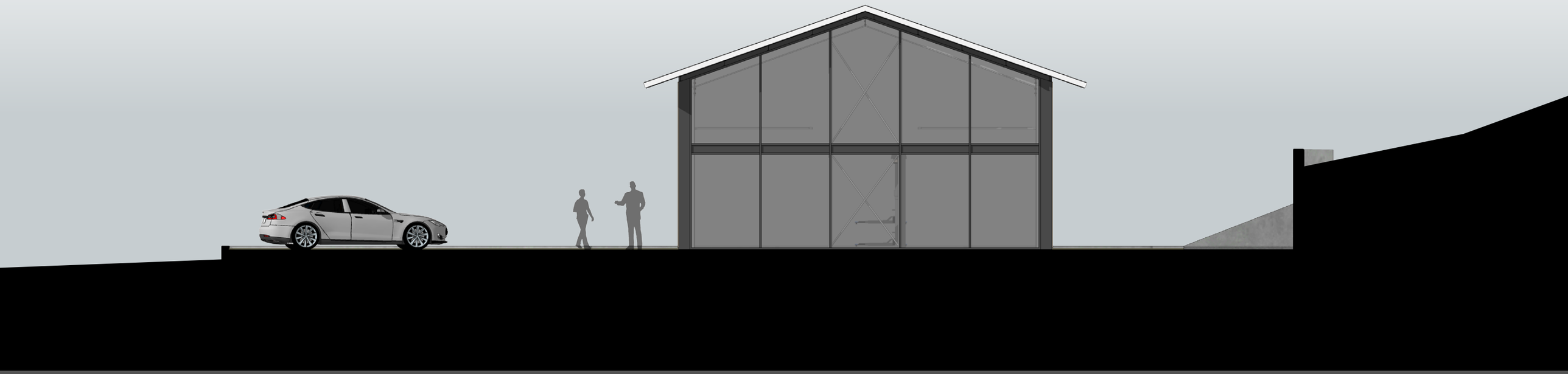


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SOUTH ELEVATION 1:100
WORKSHOP



NORTH ELEVATION 1:100
WORKSHOP



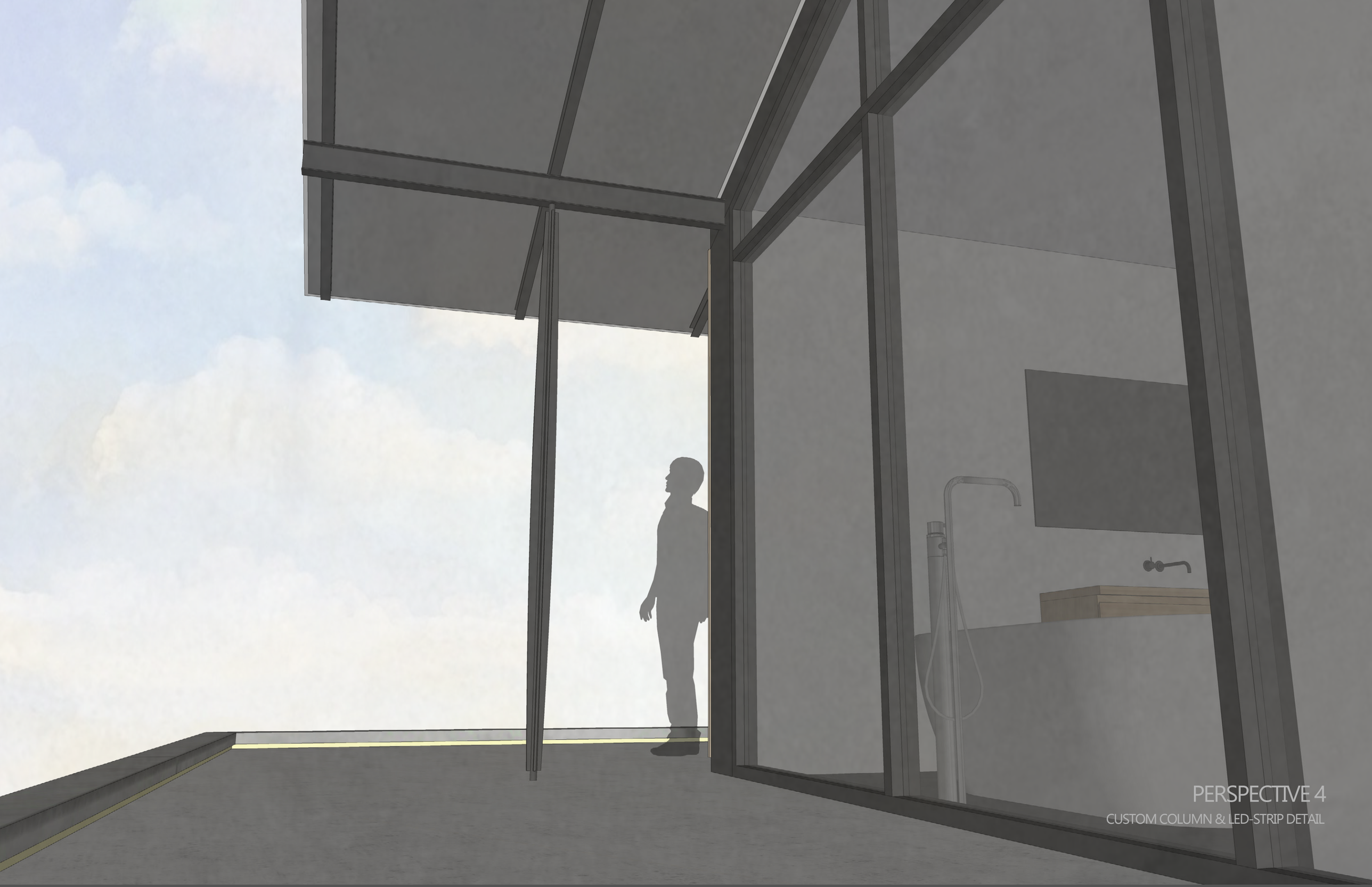
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PERSPECTIVE 1
VILLA EXTERIOR

PERSPECTIVE 2
COURTYARD

PERSPECTIVE 3

VILLA EXTERIOR



PERSPECTIVE 4

CUSTOM COLUMN & LED-STRIP DETAIL



PERSPECTIVE 5

VILLA INTERIOR



PERSPECTIVE 6

VILLA INTERIOR

PERSPECTIVE 7

WORKSHOP EXTERIOR

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PERSPECTIVE 8

WORKSHOP EXTERIOR



PERSPECTIVE 9

BLENDING OF INTERIOR & EXTERIOR