

NIGHT TRAIN HUB BERLIN DRAWING SET P5

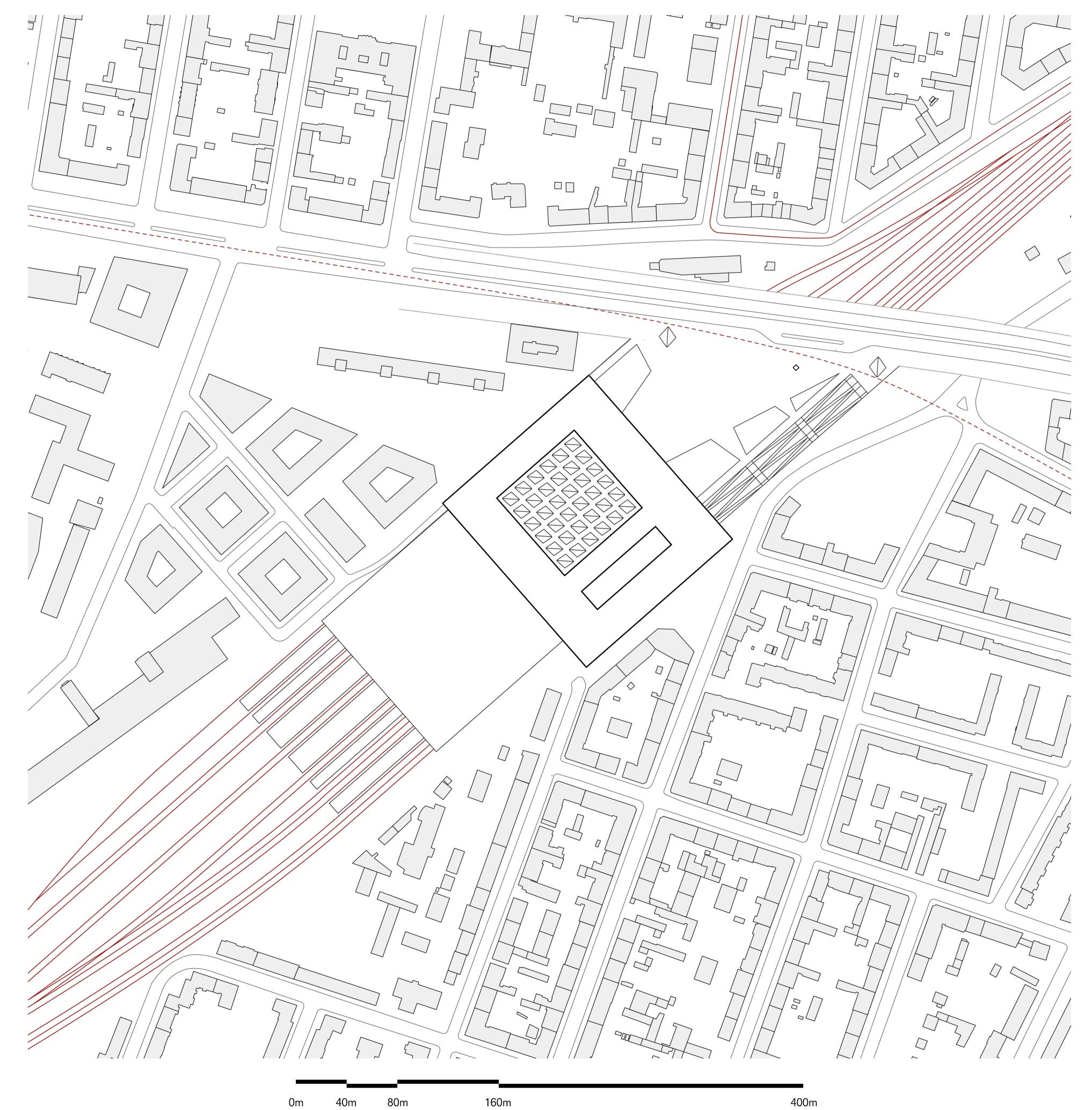
Connecting Berlin with the rest of Europe Broer Schipper - 4695488 21-03-2024

GROUP SITE PLAN



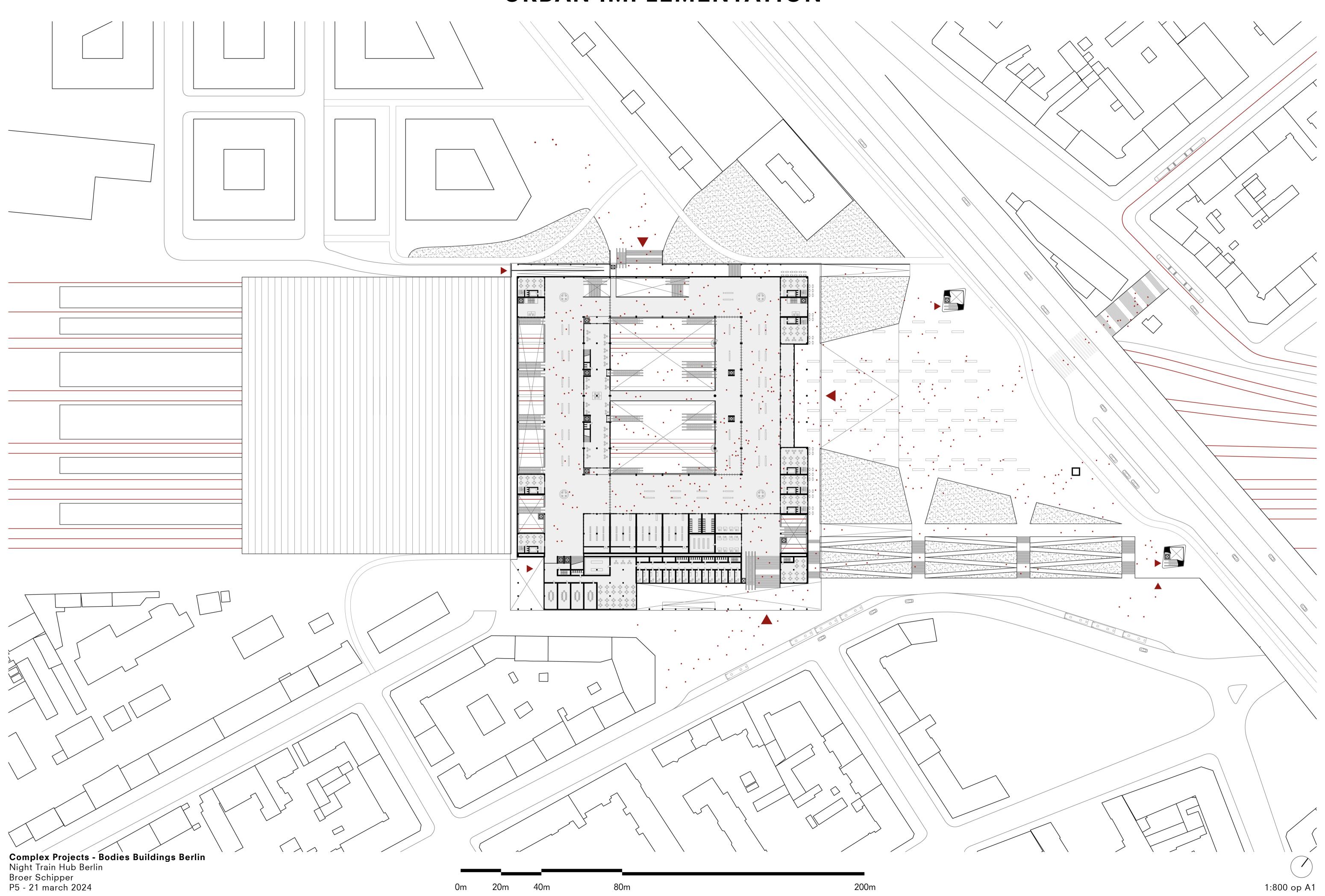
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SITE PLAN

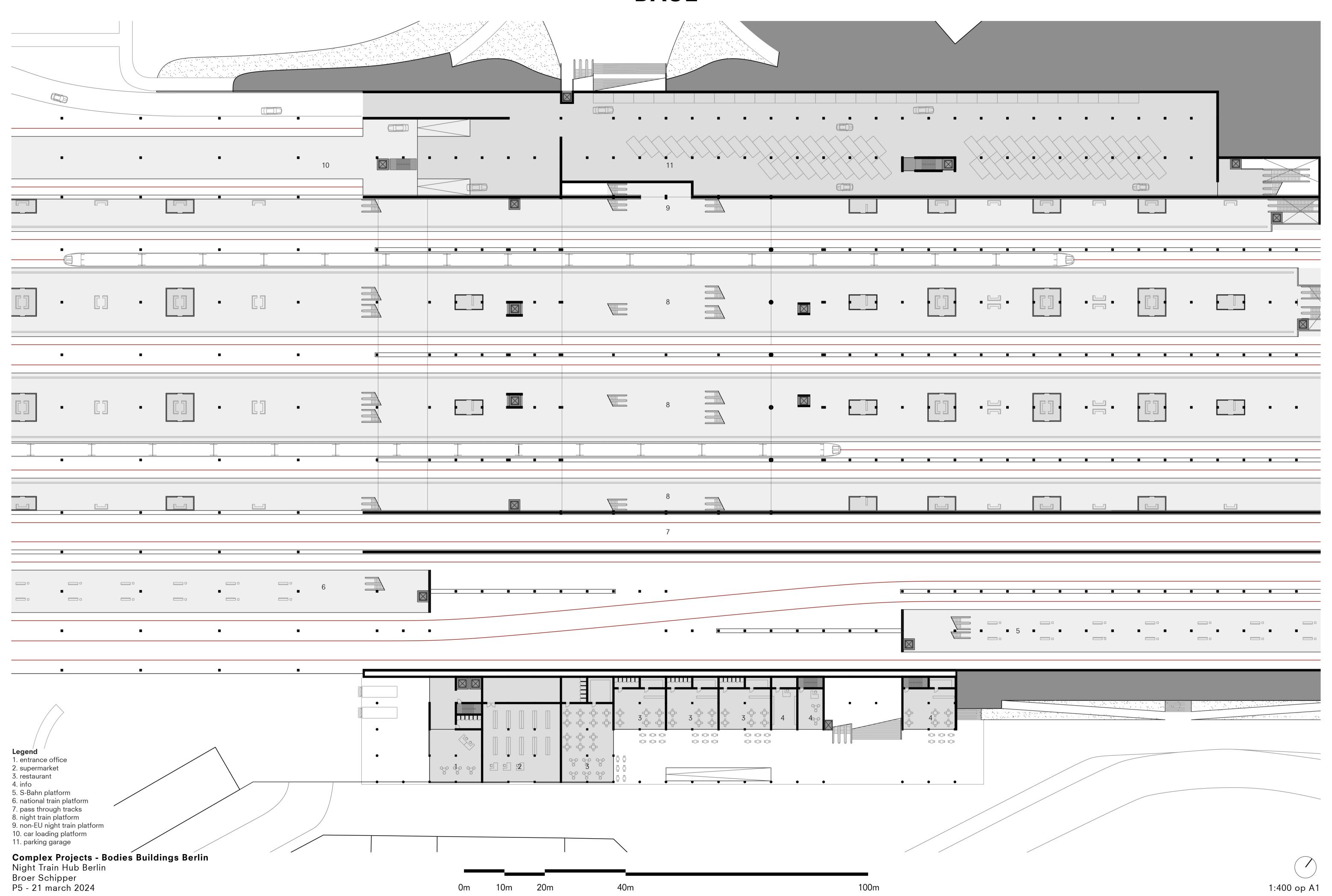


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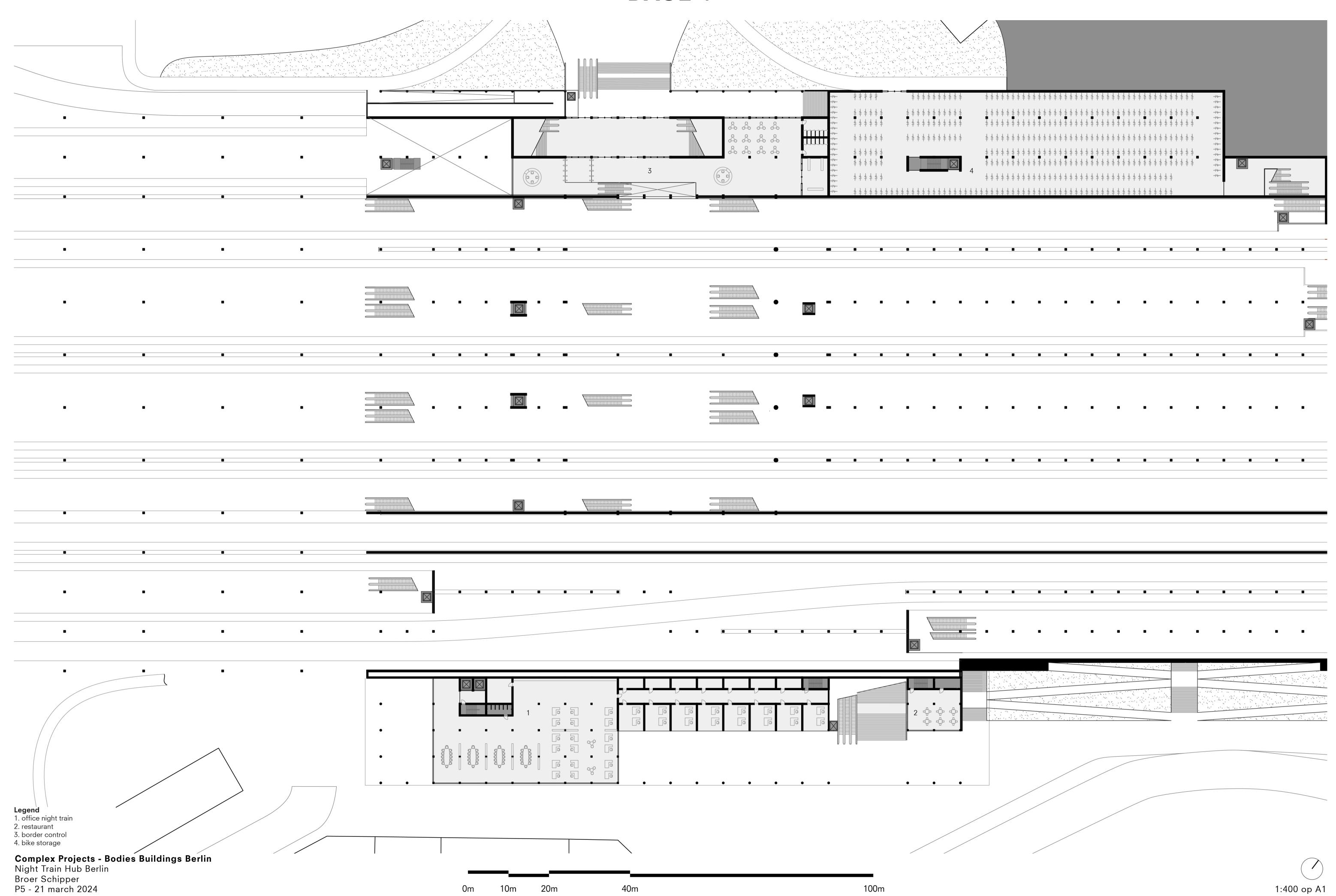
URBAN IMPLEMENTATION



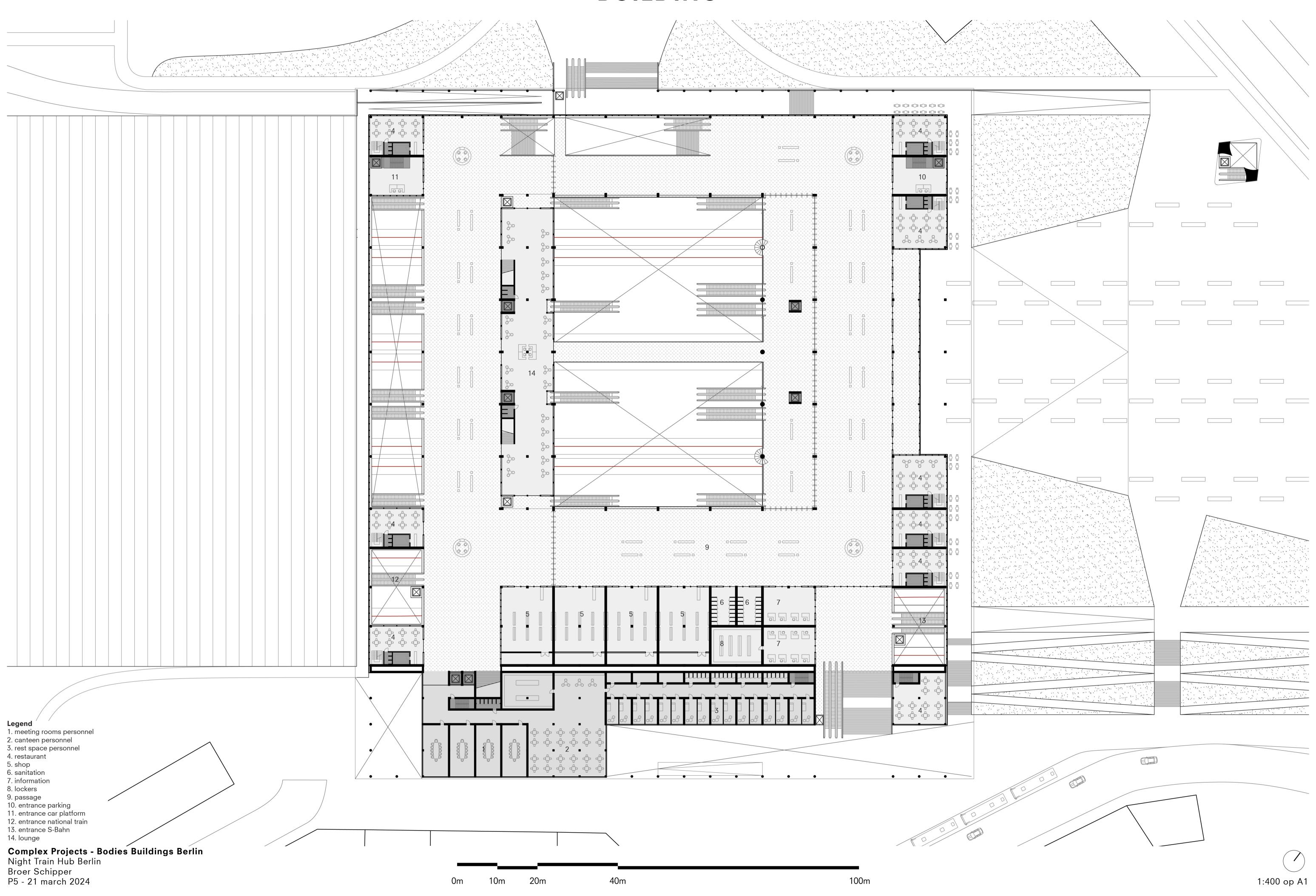
BASE



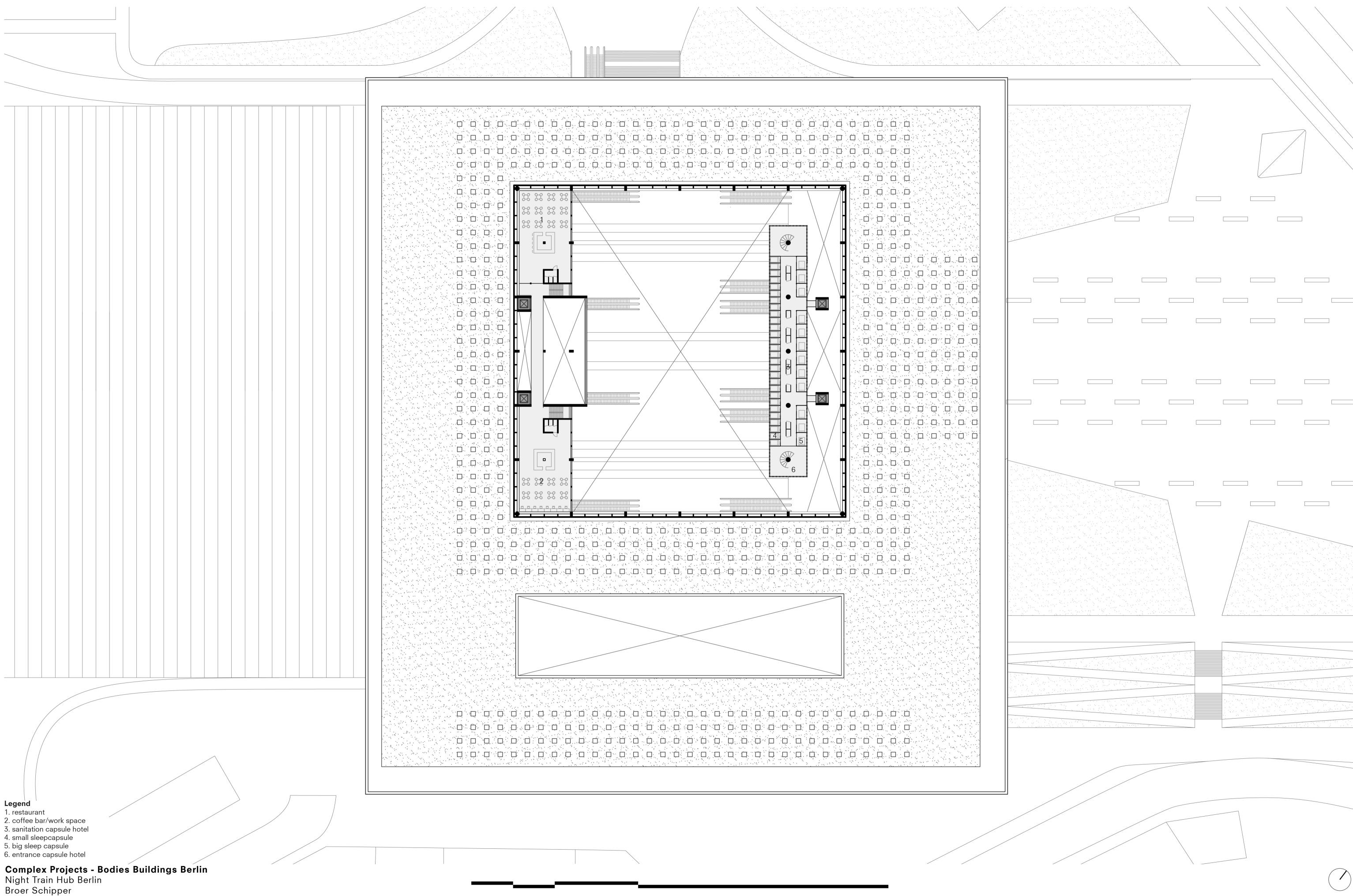
BASE +



BUILDING



CROWN



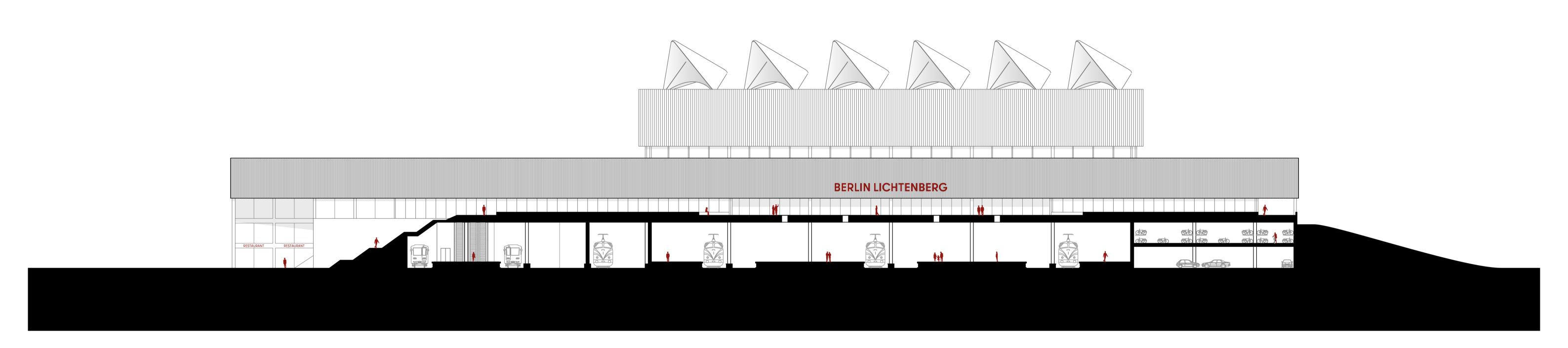
100m

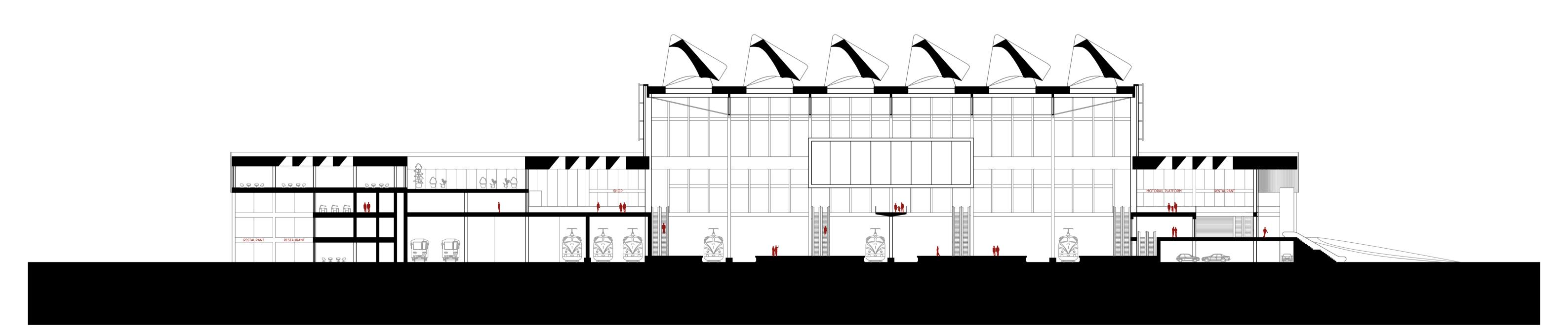
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20m



ELEVATION & SECTION

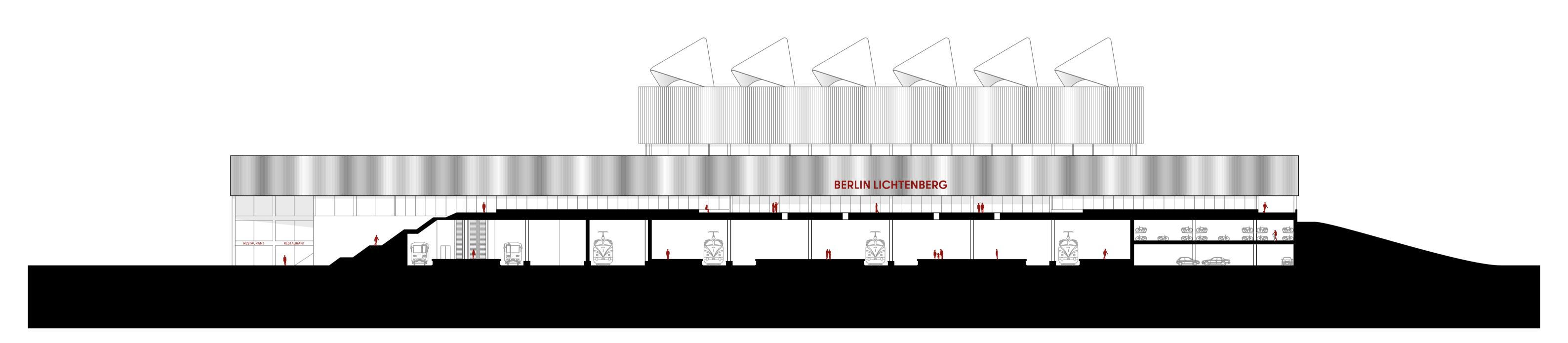


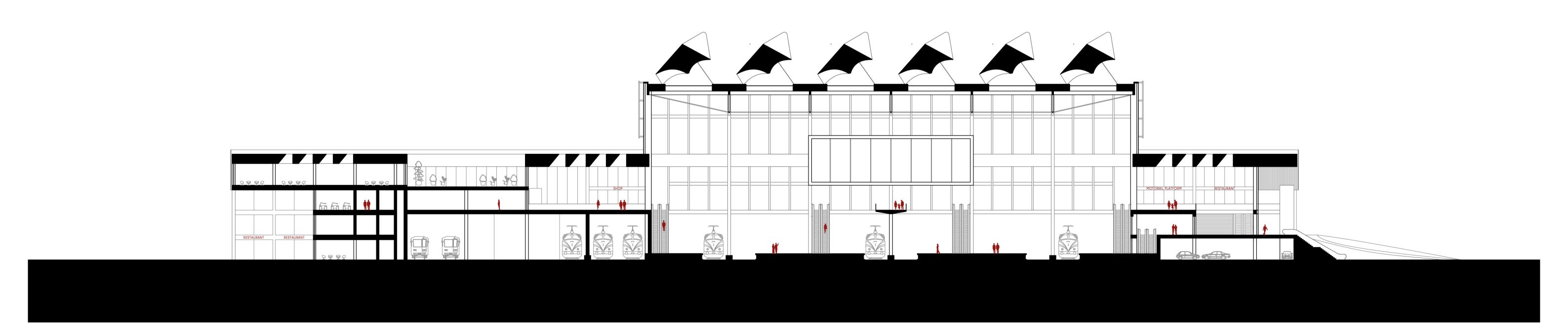


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30m 75m 1:300 op A1

ELEVATION & SECTION

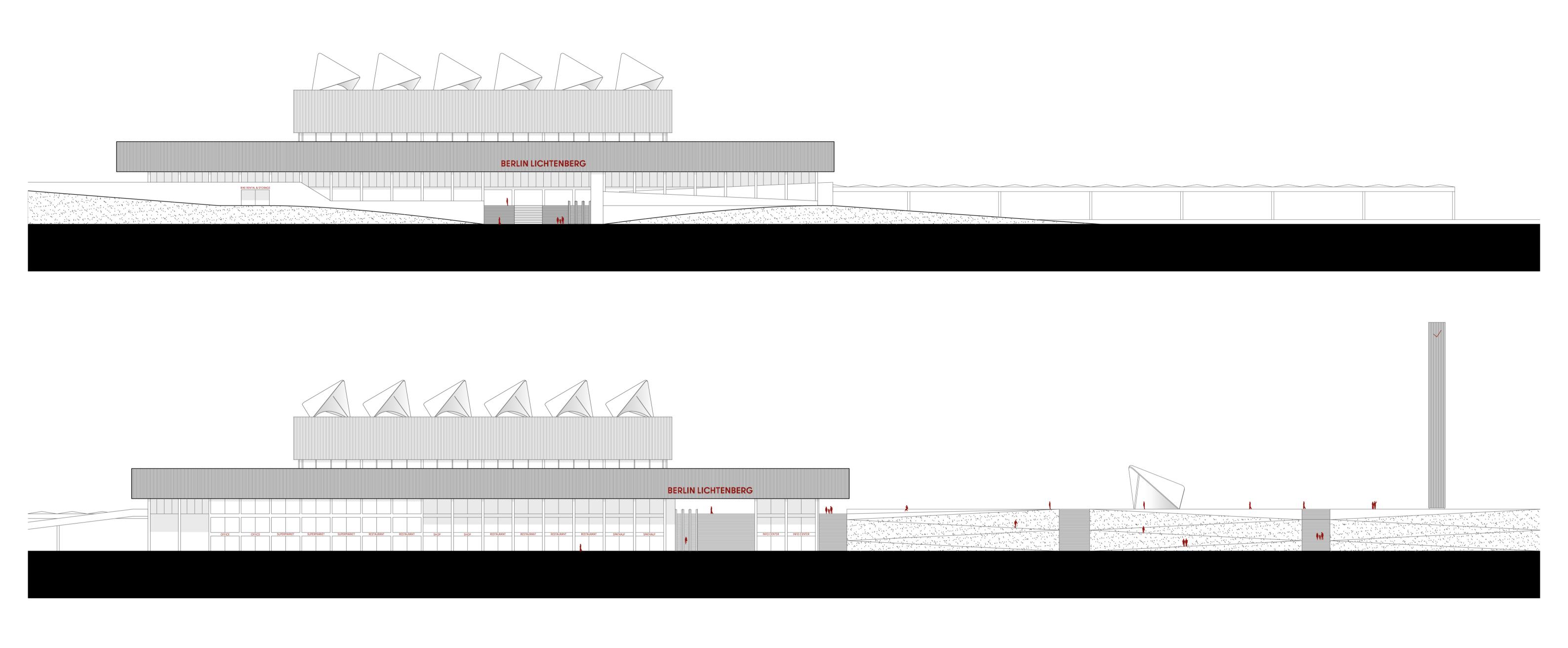


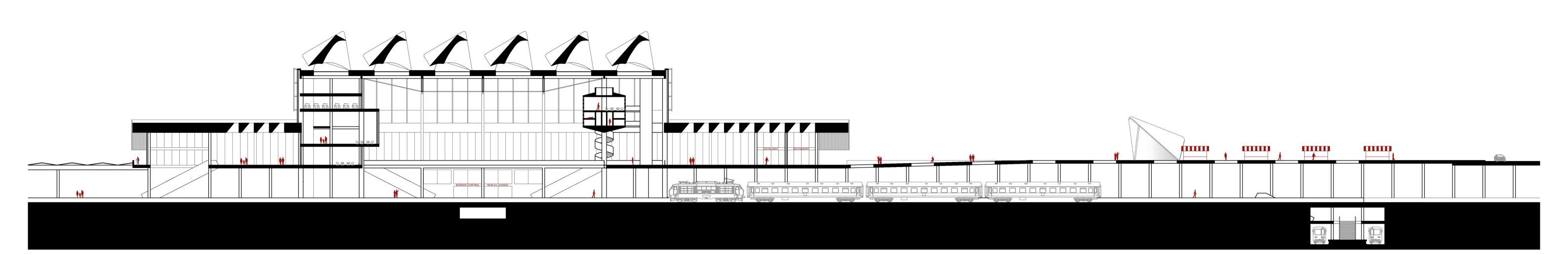


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30m 75m 1:300 op A1

ELEVATIONS & SECTION



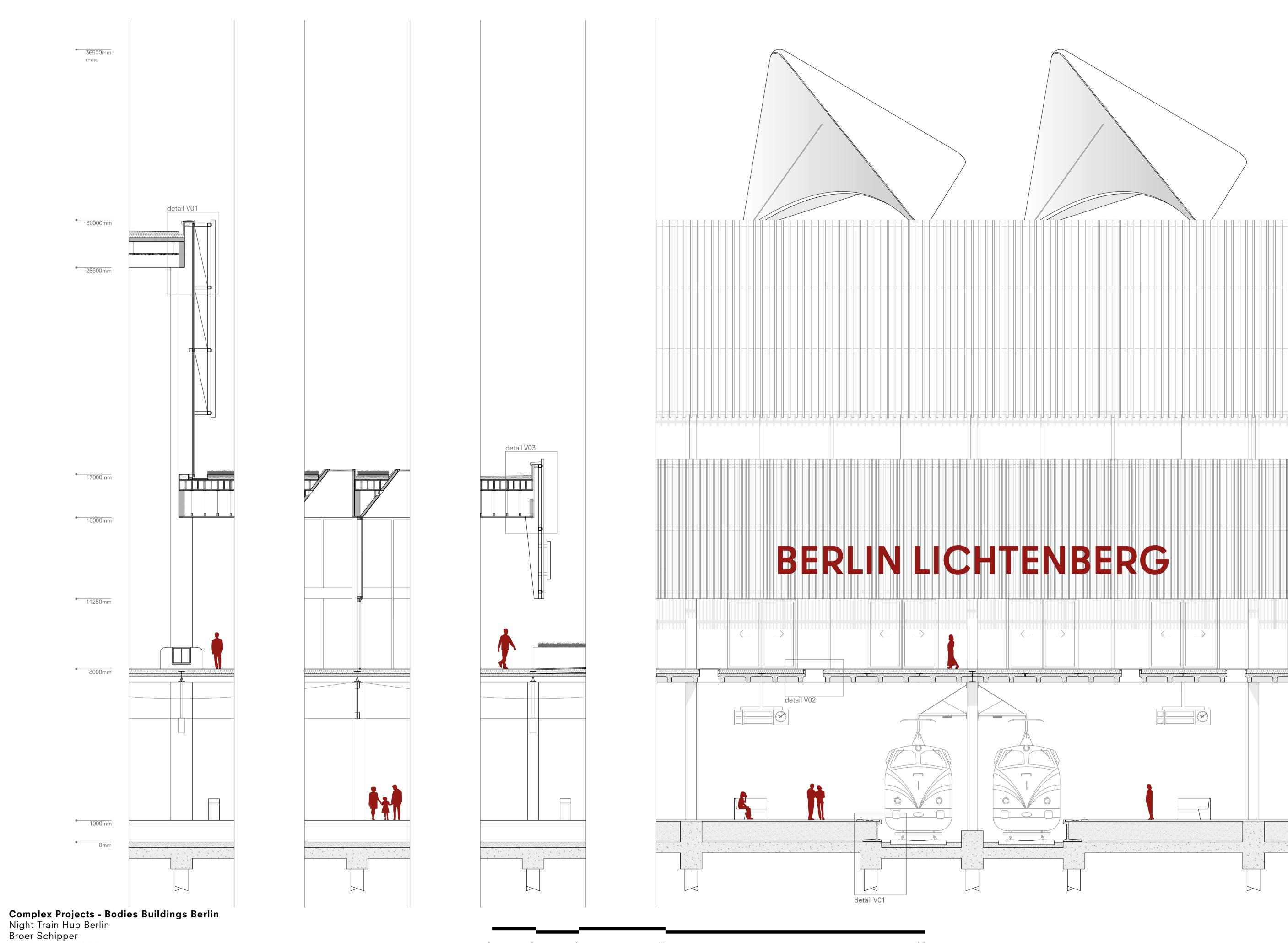


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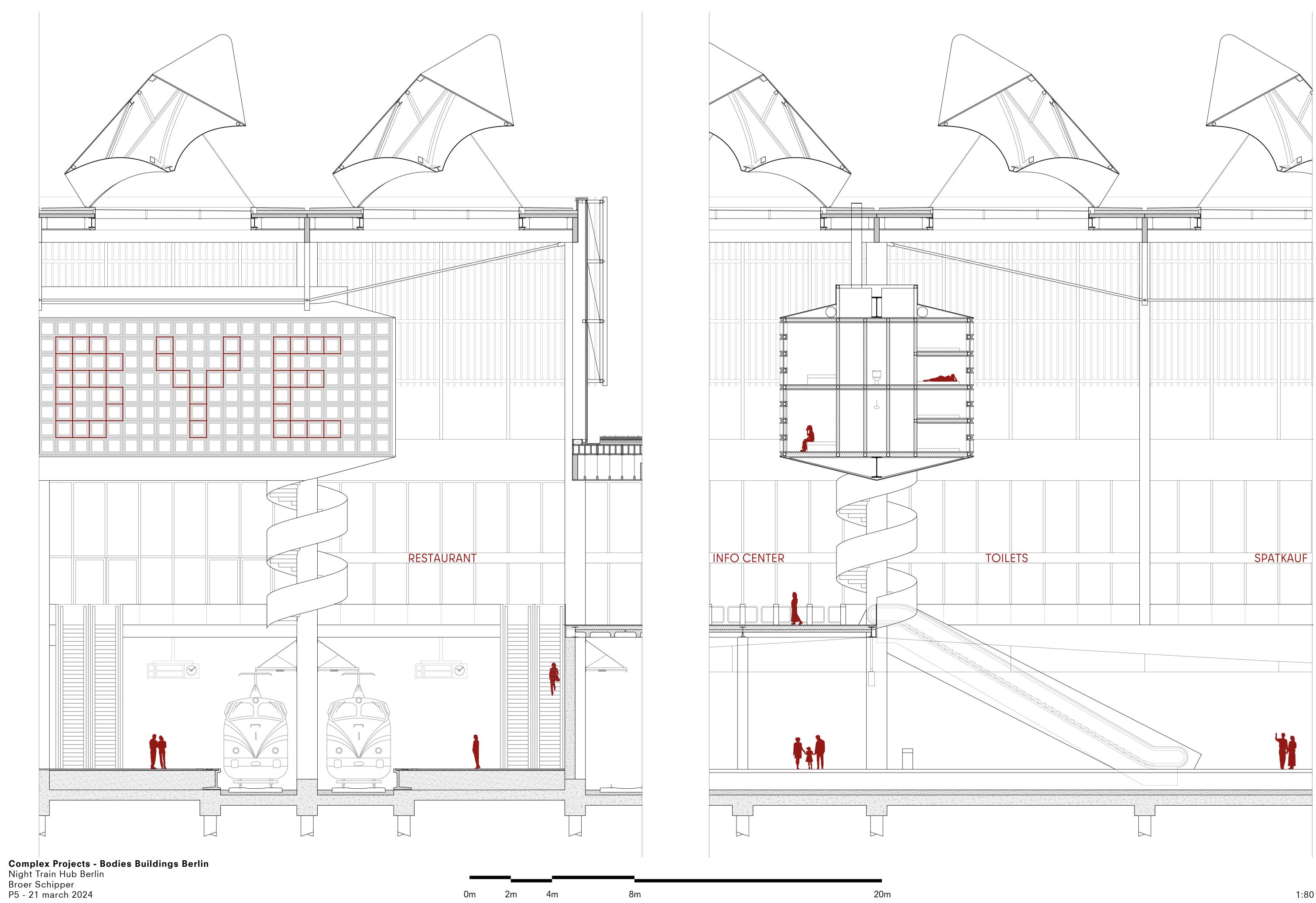
100m

FACADE FRAGMENT



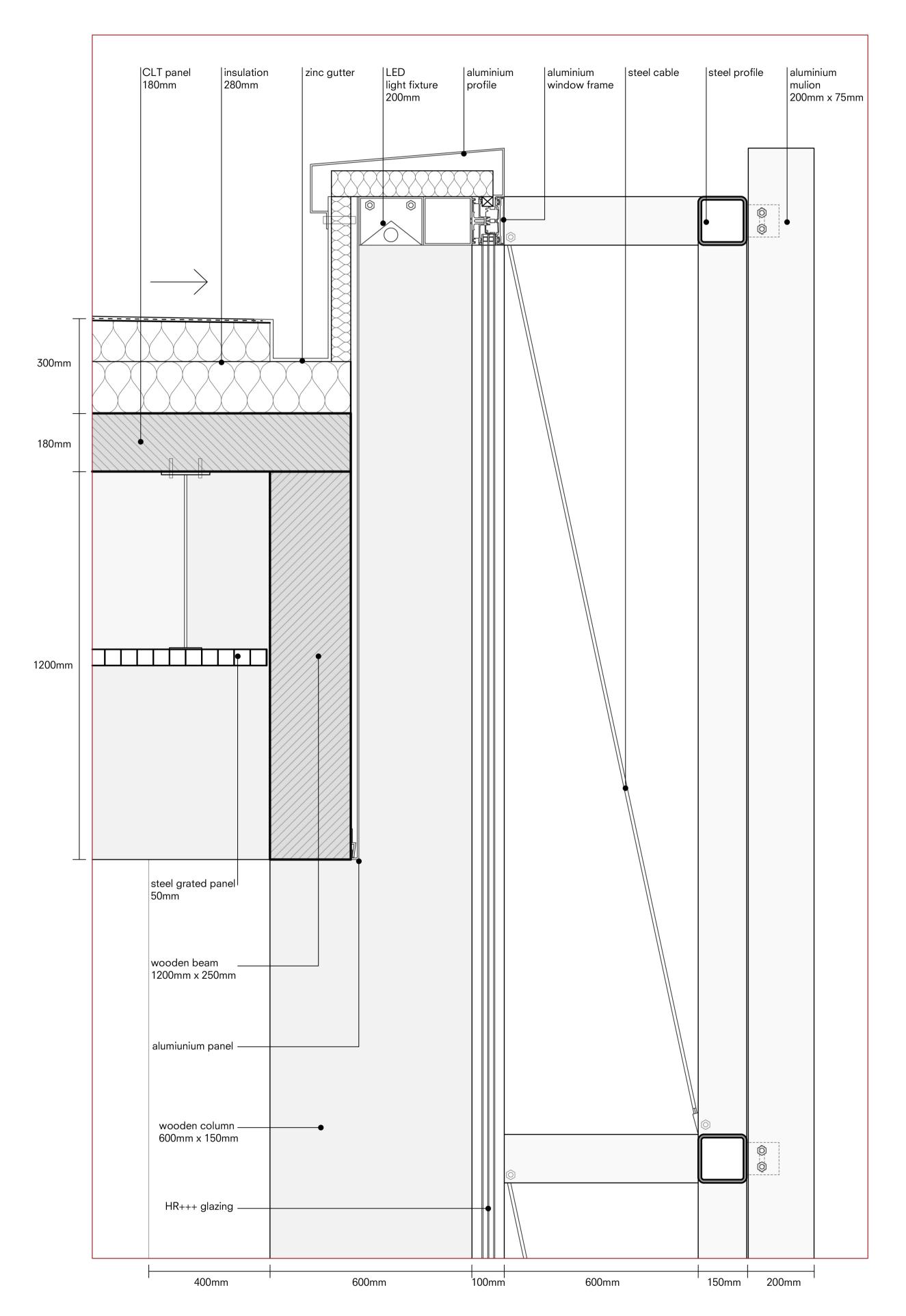
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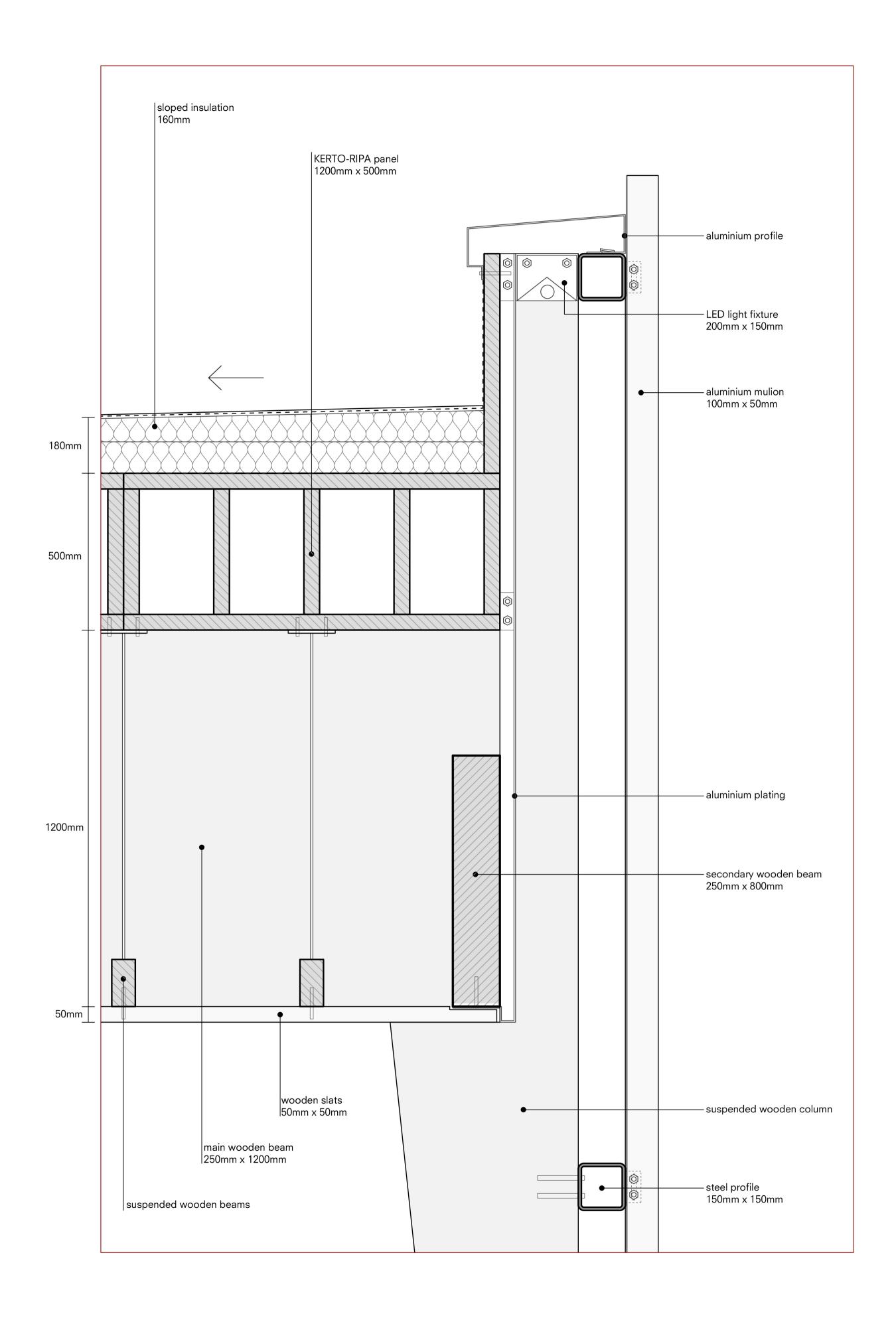
INTERIOR FRAGMENT



1:80 op A1

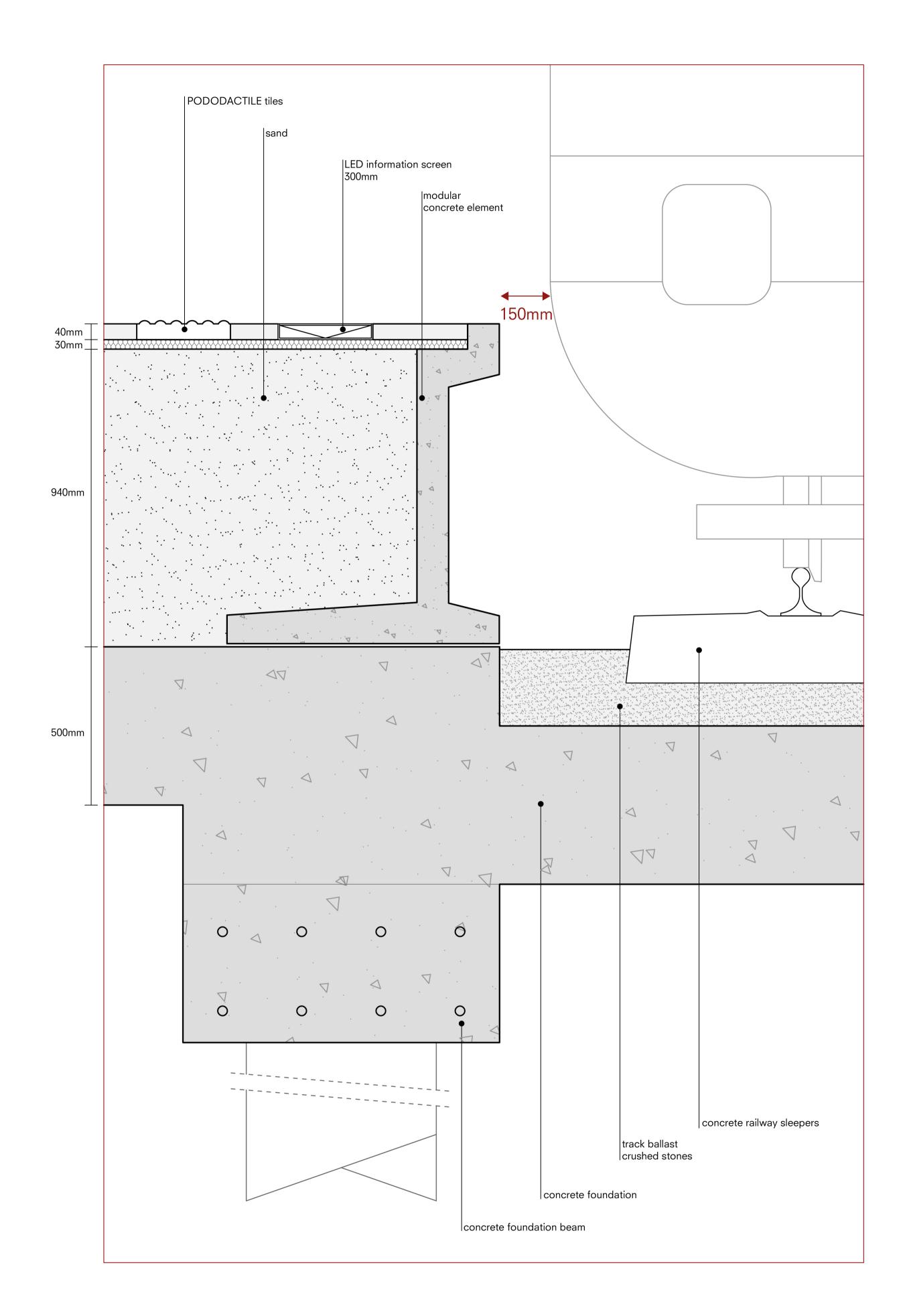
VERTICAL DETAILS

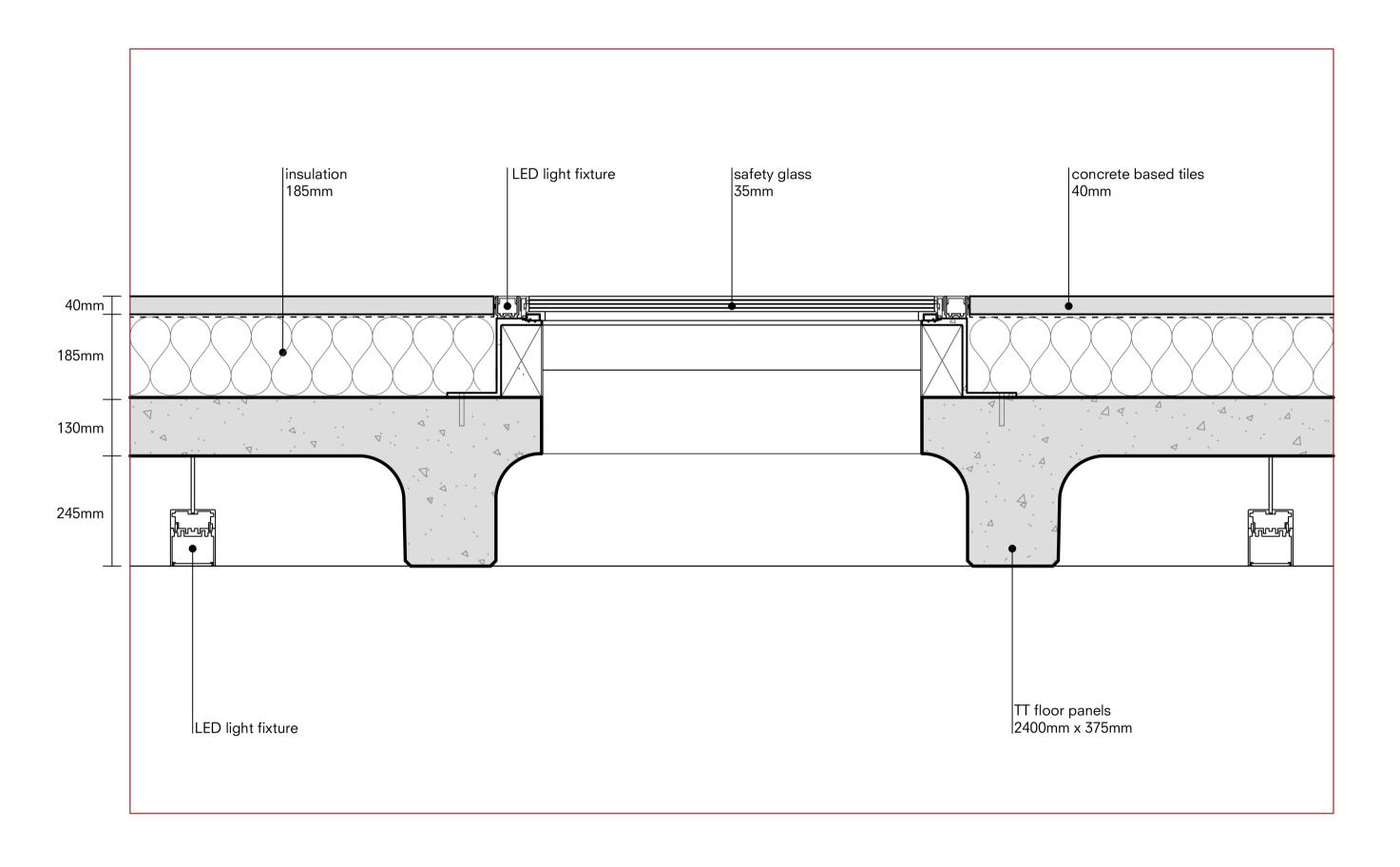




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VERTICAL DETAILS

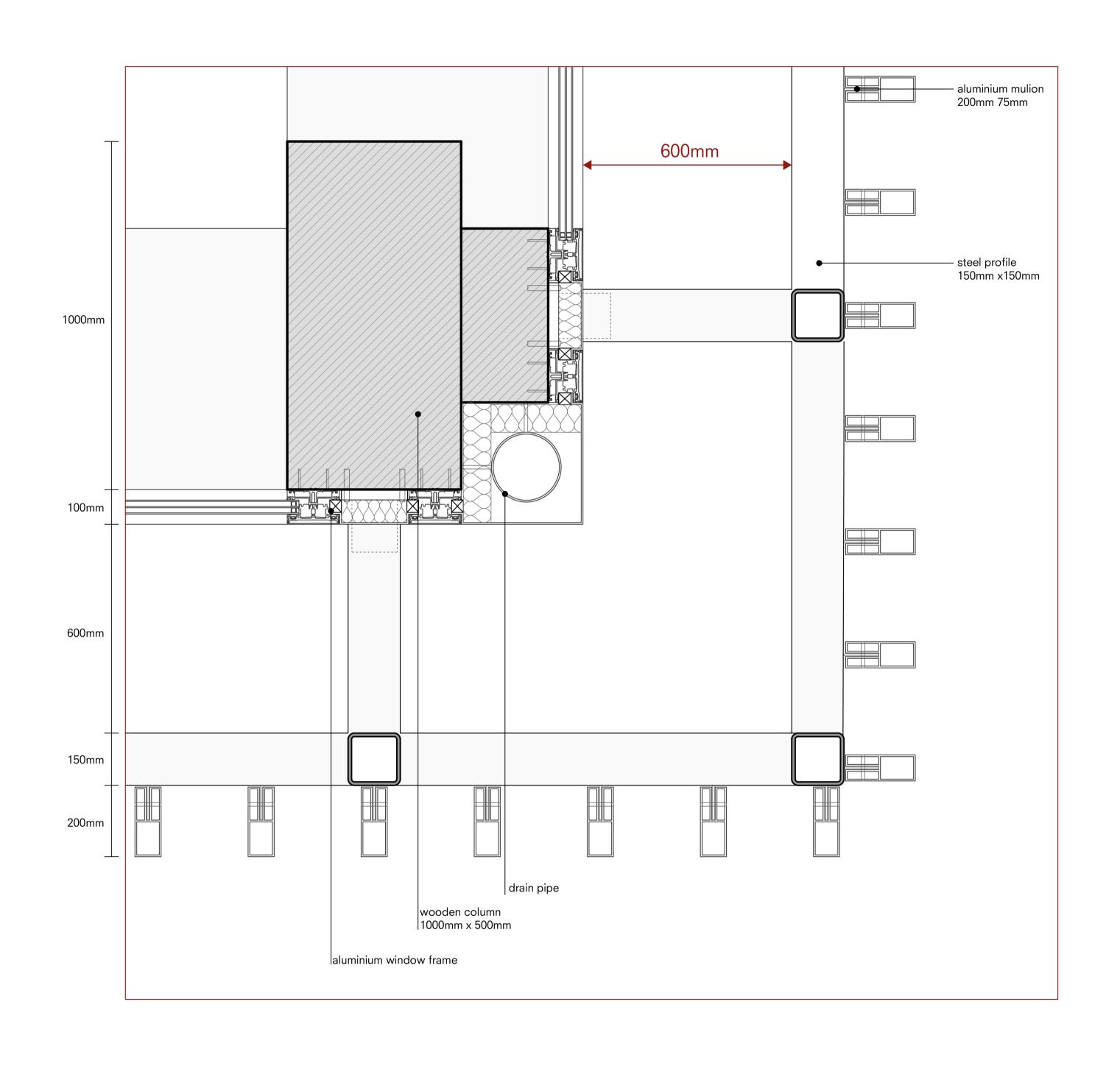




2000mm

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HORIZONTAL DETAIL



2000mm

CONSTRUCTION AXO

Skylights steel construction, hinges on secondary metal structure, tensions cables for movement

Crown

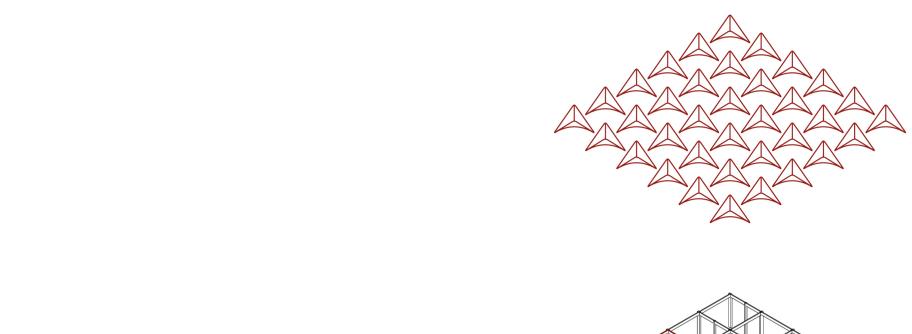
wood construction, tension cables used for main span, stability from concrete cores

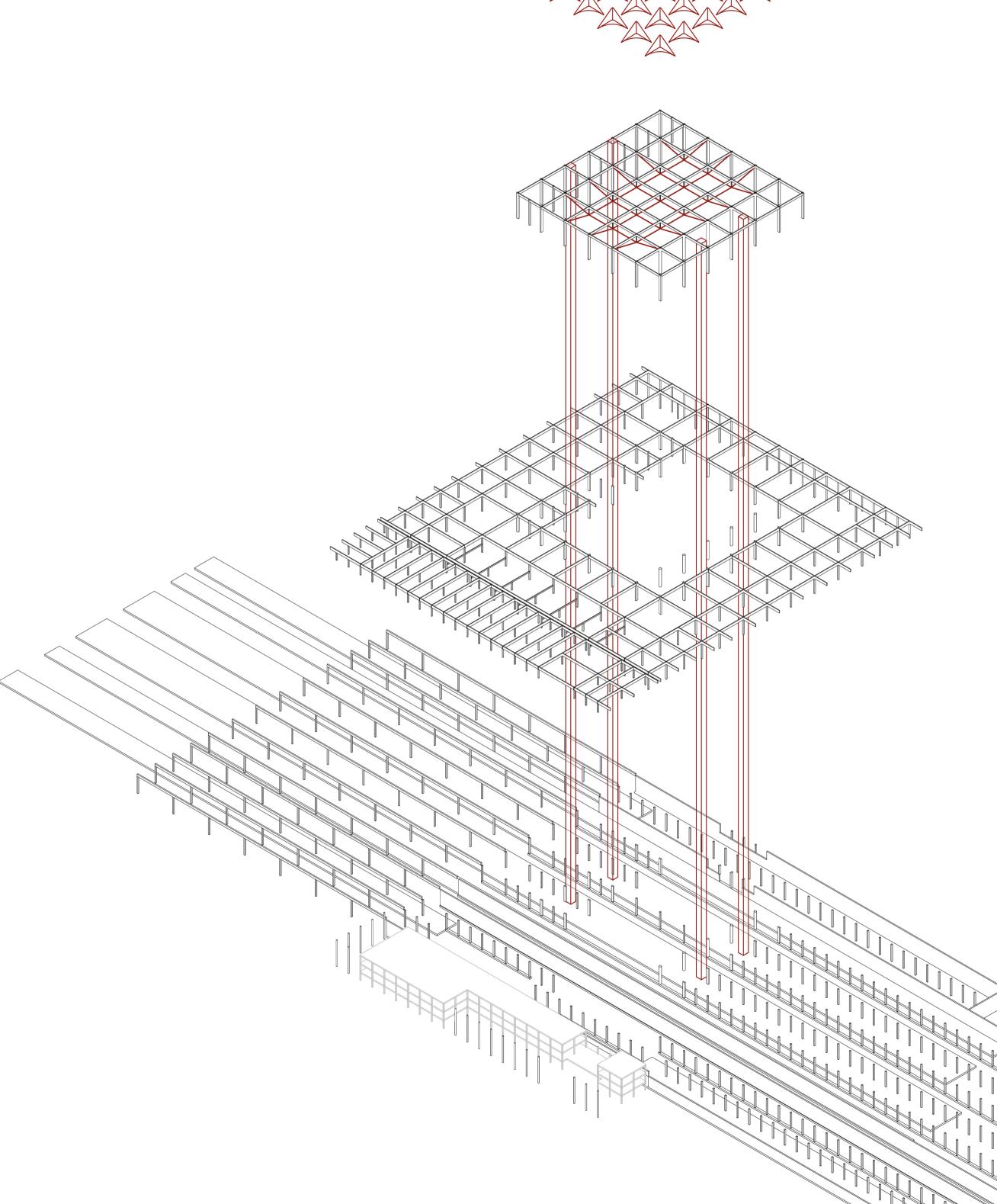
Building wood construction, 6m overhangs for floating facade

Base

mainly concrete, bolted together, circular connections, foundation for building and crown

Existing Building concrete structure re-used as office building and for restaurants, new entrance created through existing building







reference - hybrid wood-steel tension construction



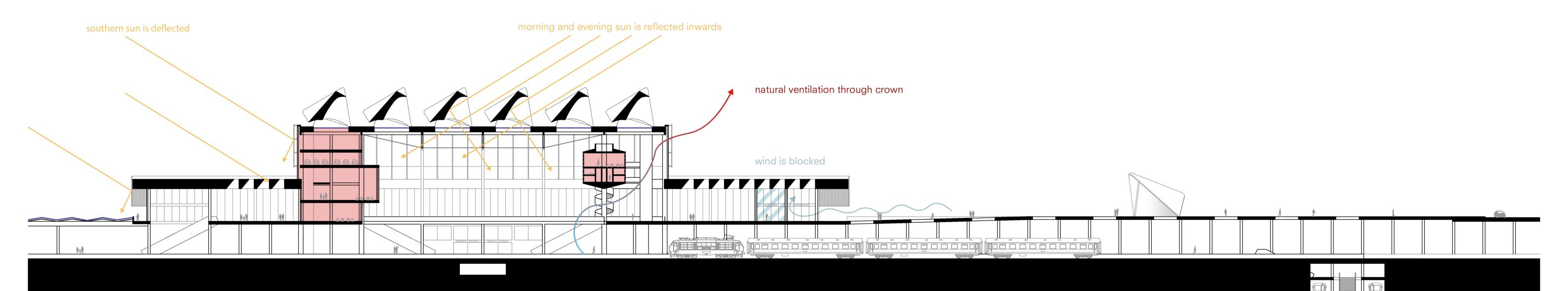
reference - wood overhang with floating facade



existing concrete station building to be re-used

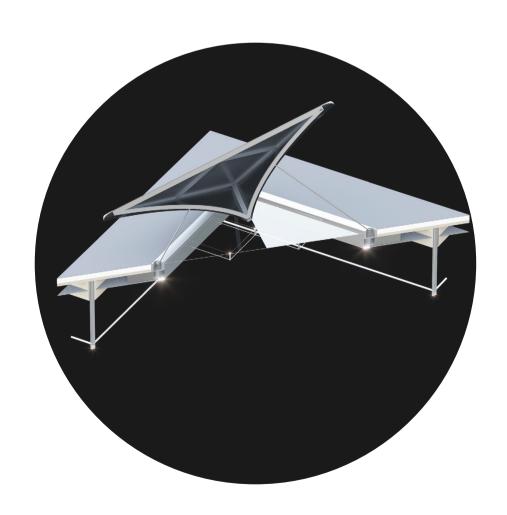
CLIMATE DESIGN



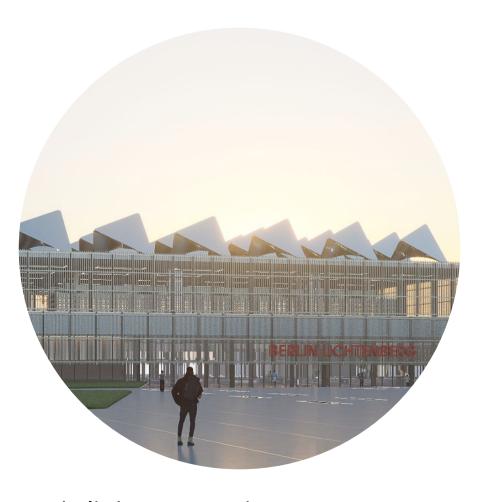




facade protects against sun



skylights reflect morning and evening sun inwards, glass contains also solar cells



skylights can point east or west

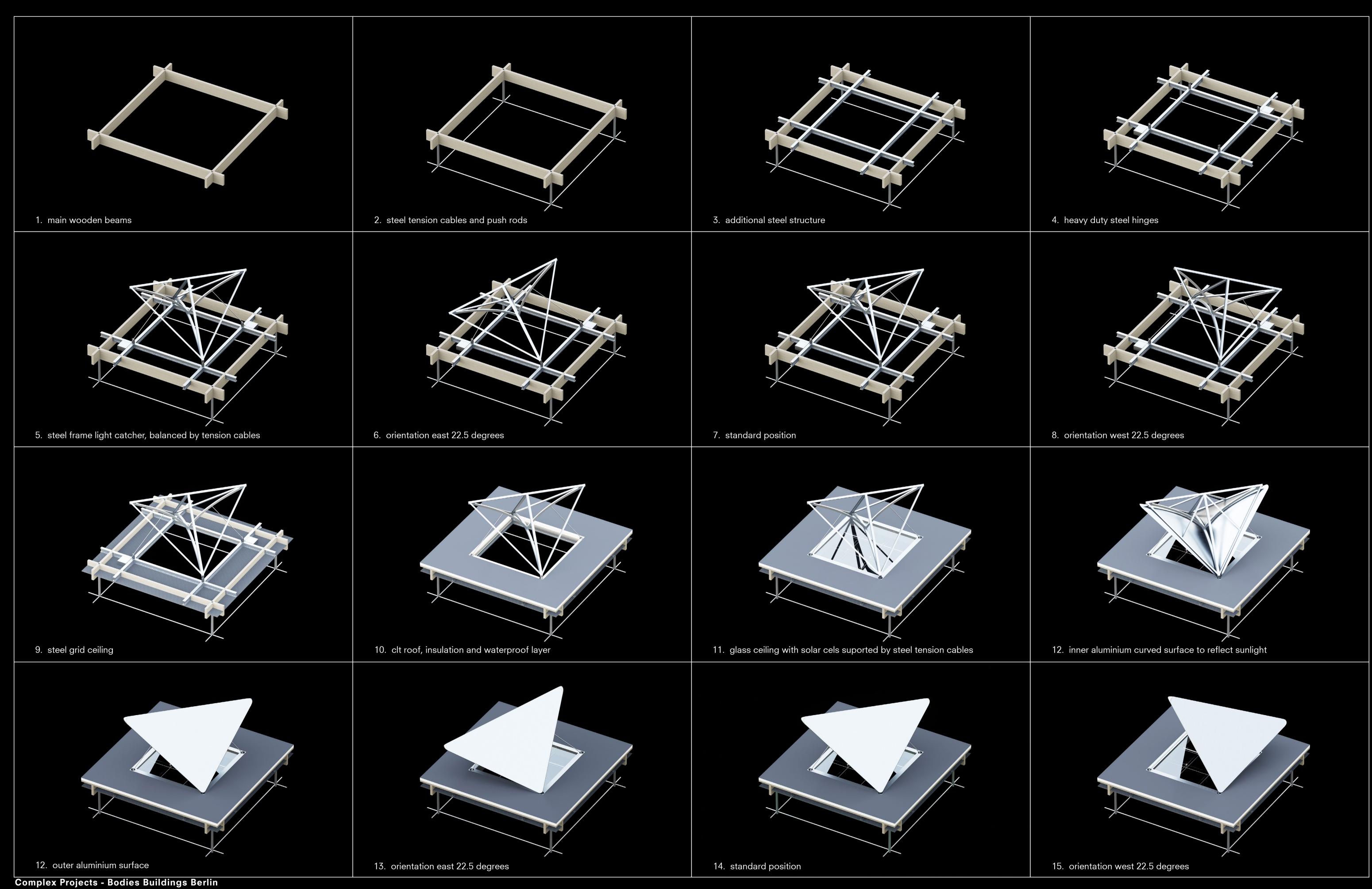


station hall is not heated, capsule hotel and lounge are



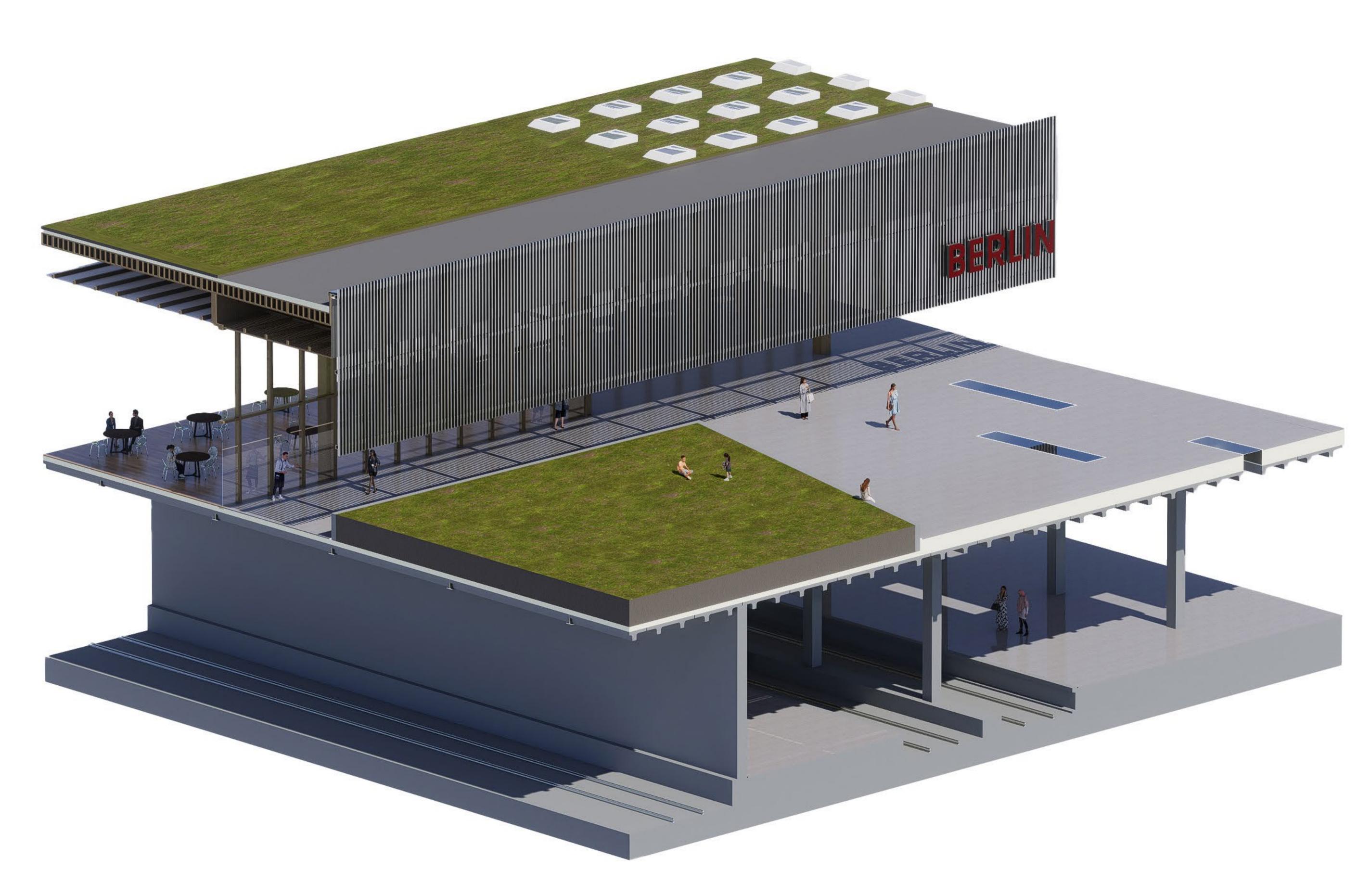
overhang functions as space inbetween outside and inside, making it more comfortable during night and bad weather

3D FRAGMENT ROOFLIGHT



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3D FRAGMENT FACADE DAY



3D FRAGMENT FACADE NIGHT



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