LIBRARY SECTION + GROUND FLOOR + ROOF PLAN

0m 15m

Scale 1:200

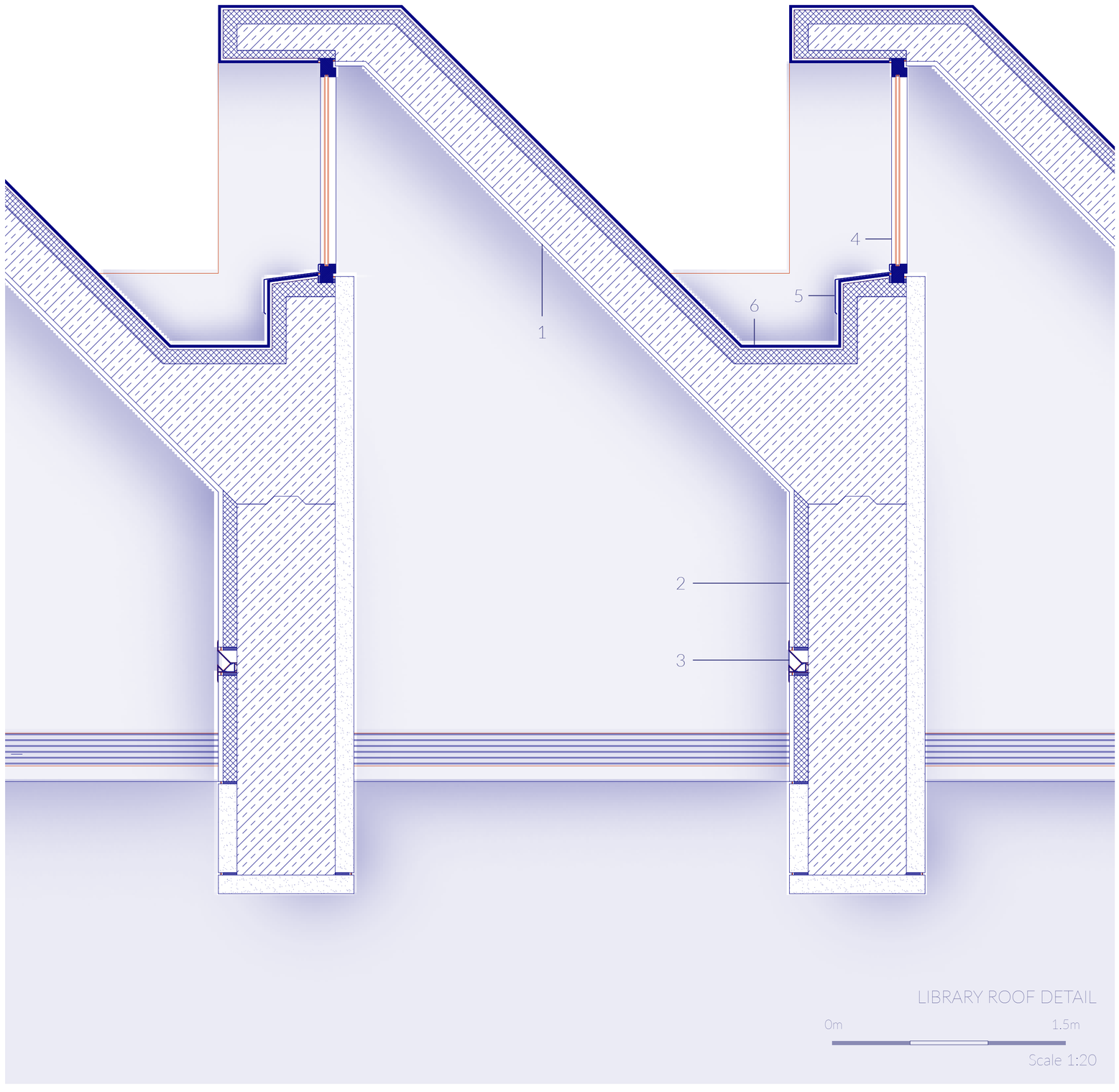
TU DELFT // GRADUATION STUDIO // 2021 - 2022 // ARCHITECTURAL DESIGN CROSSOVERS // HETEROGENEOUS CITY LONDON

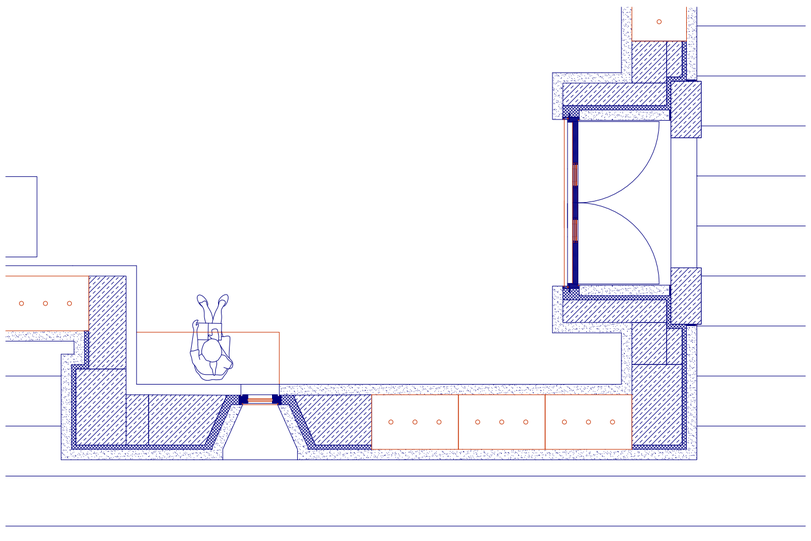
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BISHOPSGATE TERMINUS

PSYCHOGEOGRAPHIES OF MEMORY, DEATH AND BURIAL PATTERNS IN NECROPOLITAN LONDON

1 30mm wood veneer painted white, precast reinforced concrete roof structure, 90mm thermal insulation, water and vapor barriers, roof sheathing
2 30mm wood veneer painted white, 90mm rigid insulation, reinforced concrete beam, 120mm rammed concrete
3 Recessed light
4 Double glazed window with aluminium frame
5 Metal drip edge
6 Integrated/continuous gutter

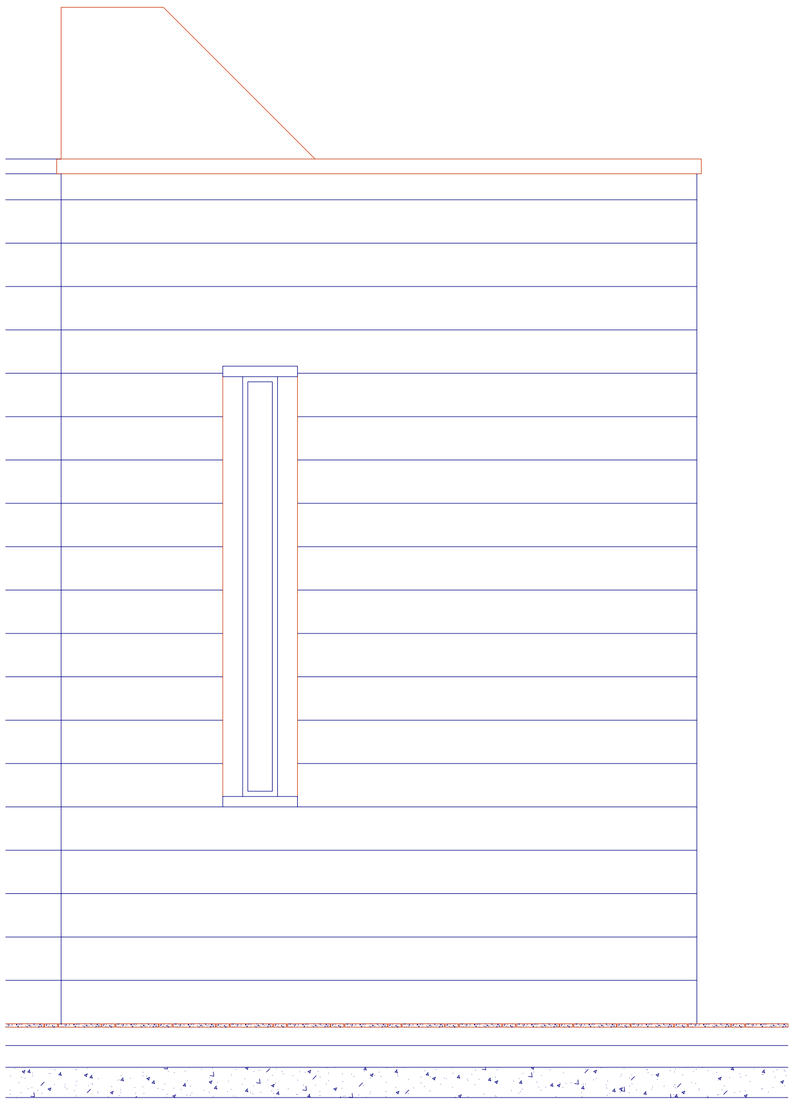




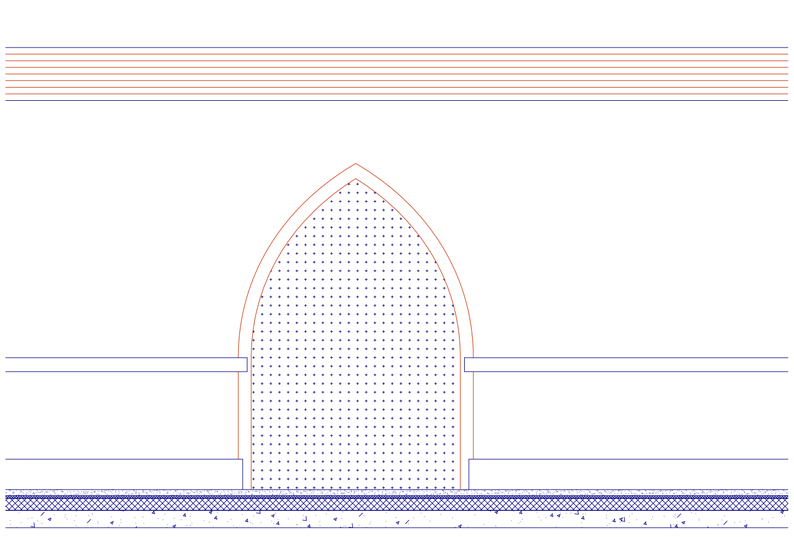
LIBRARY ROOF DETAIL

0m 1.5m

Scale 1:20



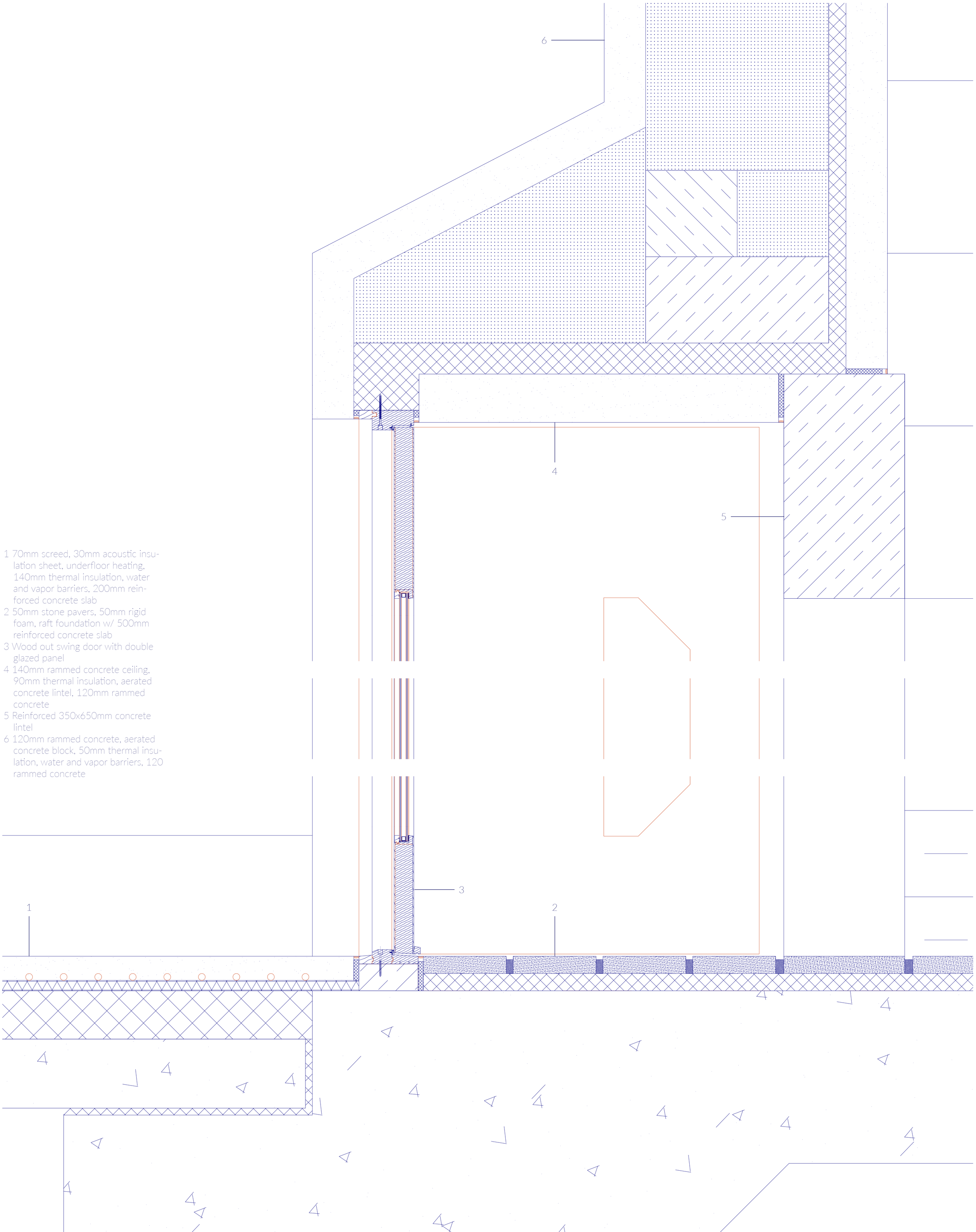




LIBRARY FAÇADE SECTION + ELEVATION + PLAN

0m 3m

Scale 1:50

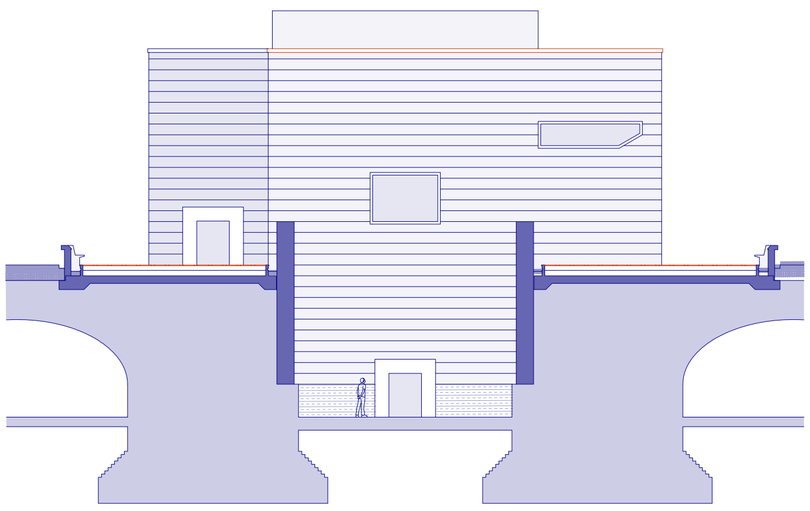


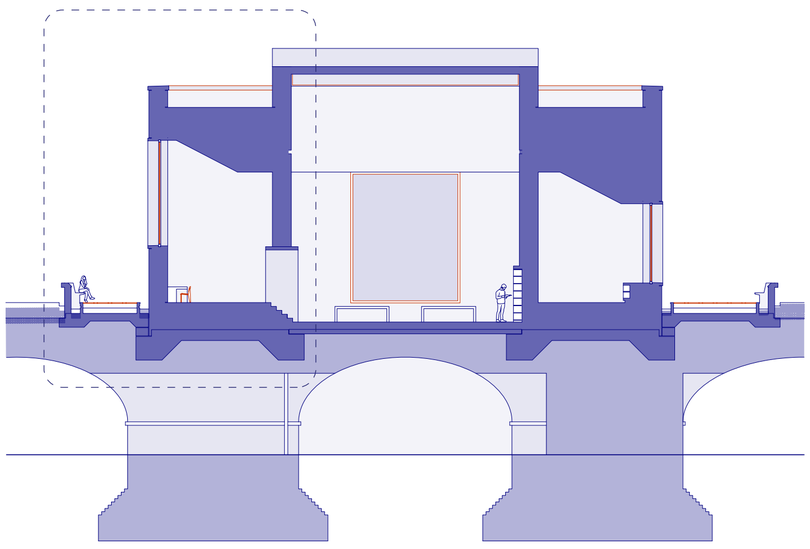
1 70mm screed, 30mm acoustic insulation sheet, underfloor heating, 140mm thermal insulation, water and vapor barriers, 200mm reinforced concrete slab
2 50mm stone pavers, 50mm rigid foam, raft foundation w/ 500mm reinforced concrete slab
3 Wood out swing door with double glazed panel
4 140mm rammed concrete ceiling, 90mm thermal insulation, aerated concrete lintel, 120mm rammed concrete
5 Reinforced 350x650mm concrete lintel
6 120mm rammed concrete, aerated concrete block, 50mm thermal insulation, water and vapor barriers, 120 rammed concrete

LIBRARY DOOR DETAIL

0cm 30cm

Scale 1:5

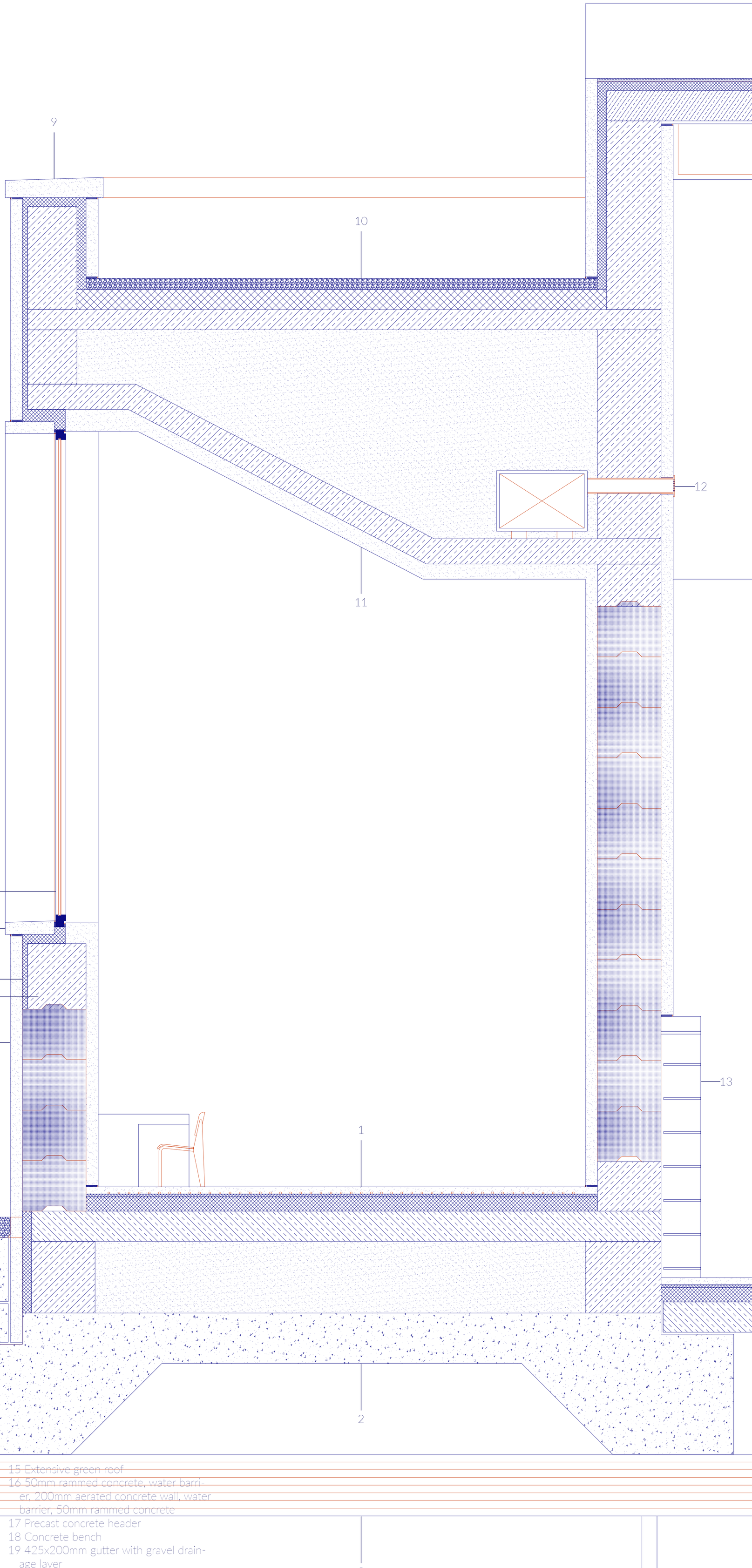




LIBRARY SHORT SECTION + SOUTH ELEVATION

0m 15m

Scale 1:200

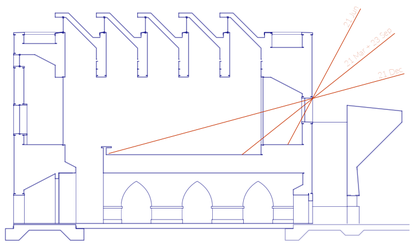


1 70mm screed, 30mm acoustic insulation sheet, underfloor heating, 140mm thermal insulation, water and vapor barriers, 300mm reinforced concrete slab
2 Raft foundation w/ 500mm reinforced concrete slab
3 Existing masonry structure
4 120mm rammed concrete, water and vapor barriers, 630mm aerated concrete blocks, 120mm rammed concrete
5 Reinforced concrete beam
6 50mm thermal insulation
7 Concrete sill
8 Double glazed window with recessed aluminium frame
9 Concrete coping
10 200-60mm gravel, water and vapor barrier, 200mm rigid insulation, 200mm reinforced concrete slab
11 120mm concrete ceiling, 250mm reinforced concrete slab, spoil heaps fill
12 Supply air duct 600x900, recessed grille
13 Timber book shelf
14 40mm stone pavers, 200-60mm drainage layer, 250mm rigid foam, raft foundation w/ 350mm concrete slab
15 Extensive green roof
16 50mm rammed concrete, water barrier, 200mm aerated concrete wall, water barrier, 50mm rammed concrete
17 Precast concrete header
18 Concrete bench
19 425x200mm gutter with gravel drainage layer
20 Outdoor recessed wall wash light

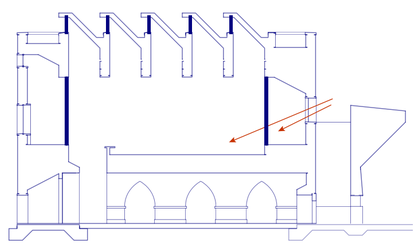
LIBRARY FAÇADE AND PARK PATH DETAIL

0m 1.5m

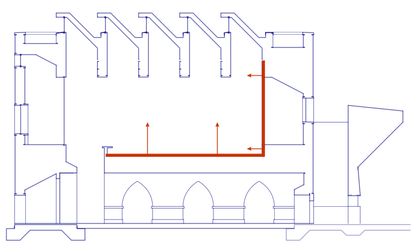
Scale 1:20



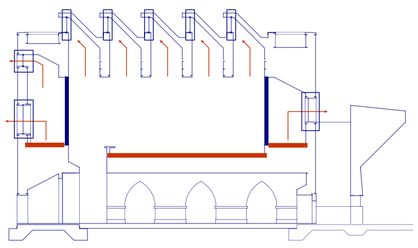
Deep walls acting as buffer zones
Keeps direct summer sun out of inner space



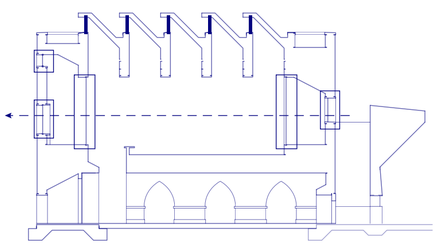
Winter Day
Direct sun heats mass surfaces



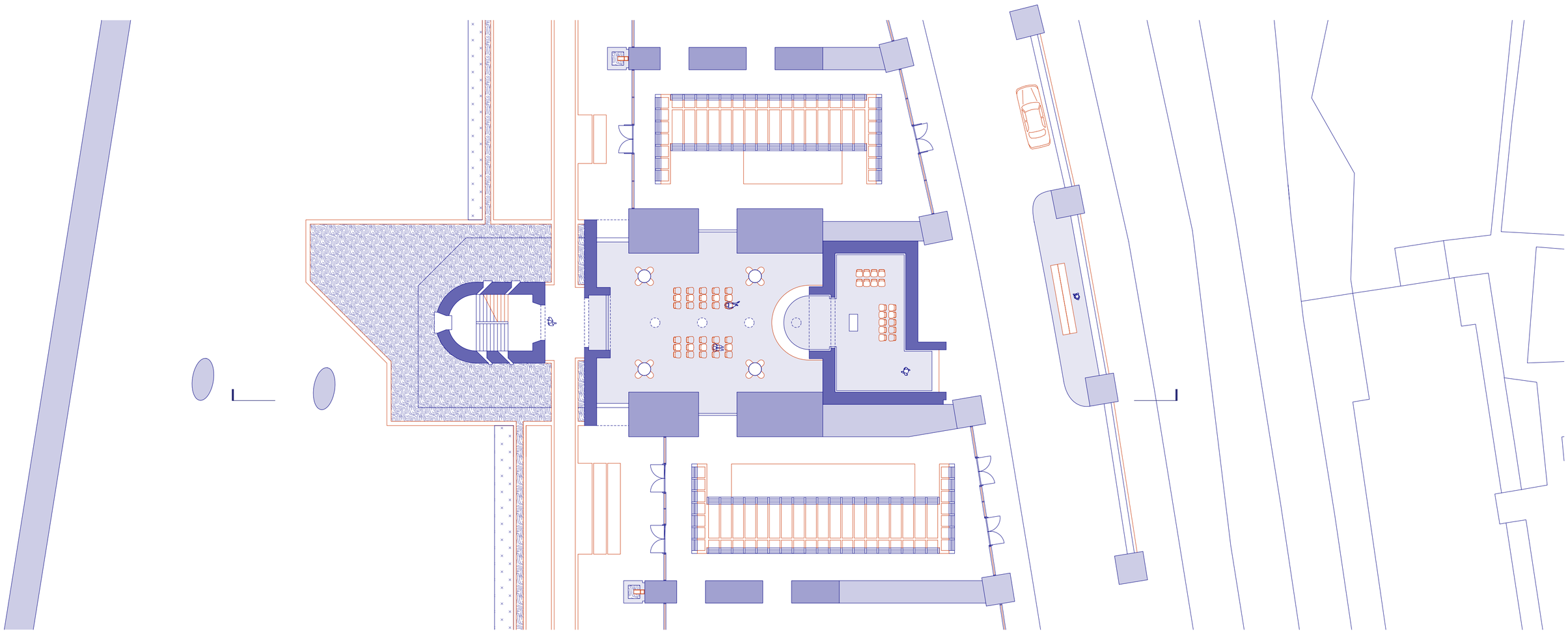
Winter Night
Stored heat in mass is released into space

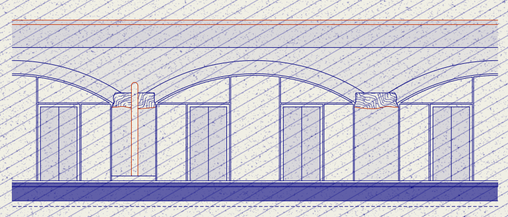


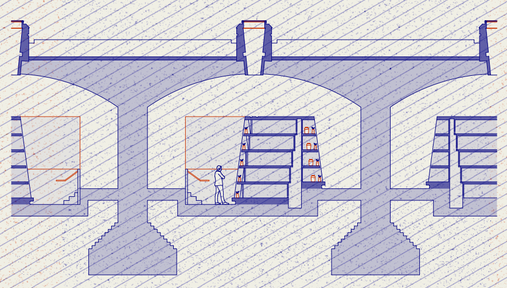
Summer Day
Excess heat is released through open windows

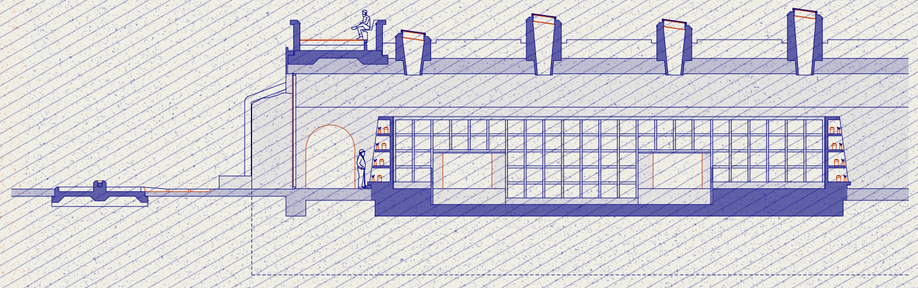


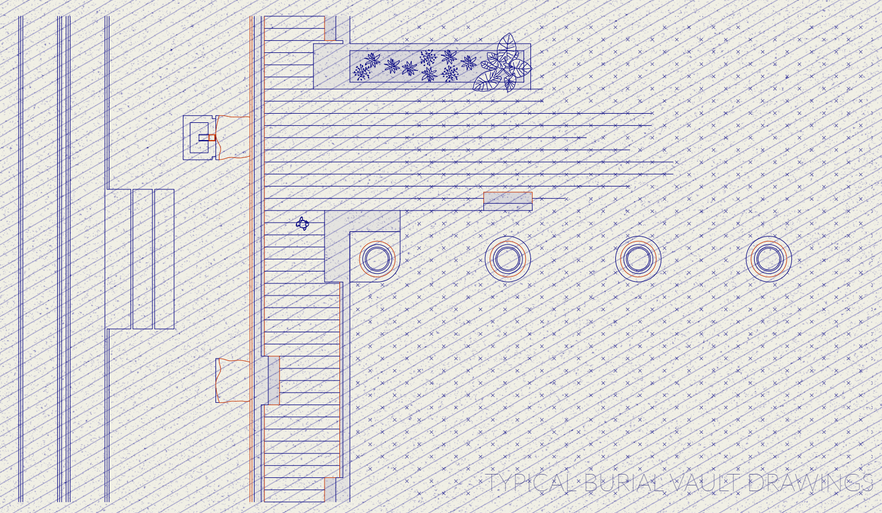
Summer Night
Cross ventilation for night flush

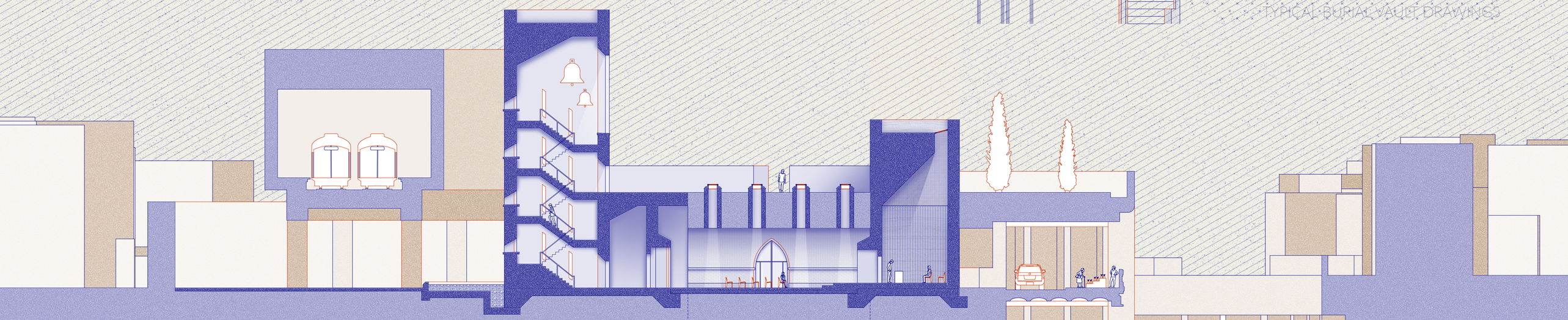












FUNERAL HALL SECTION + GROUND FLOOR

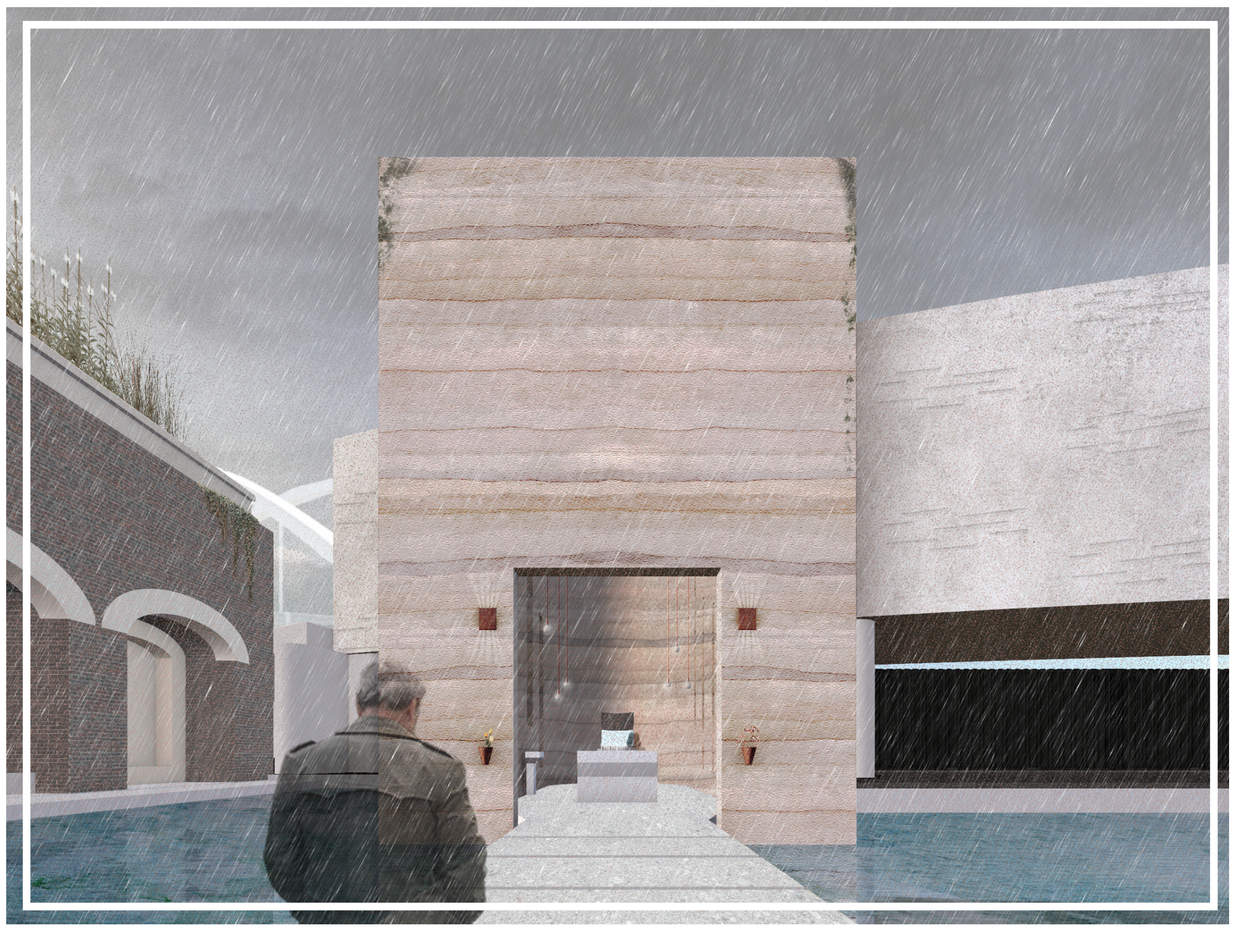
TYPICAL BURIAL VAULT DRAWINGS

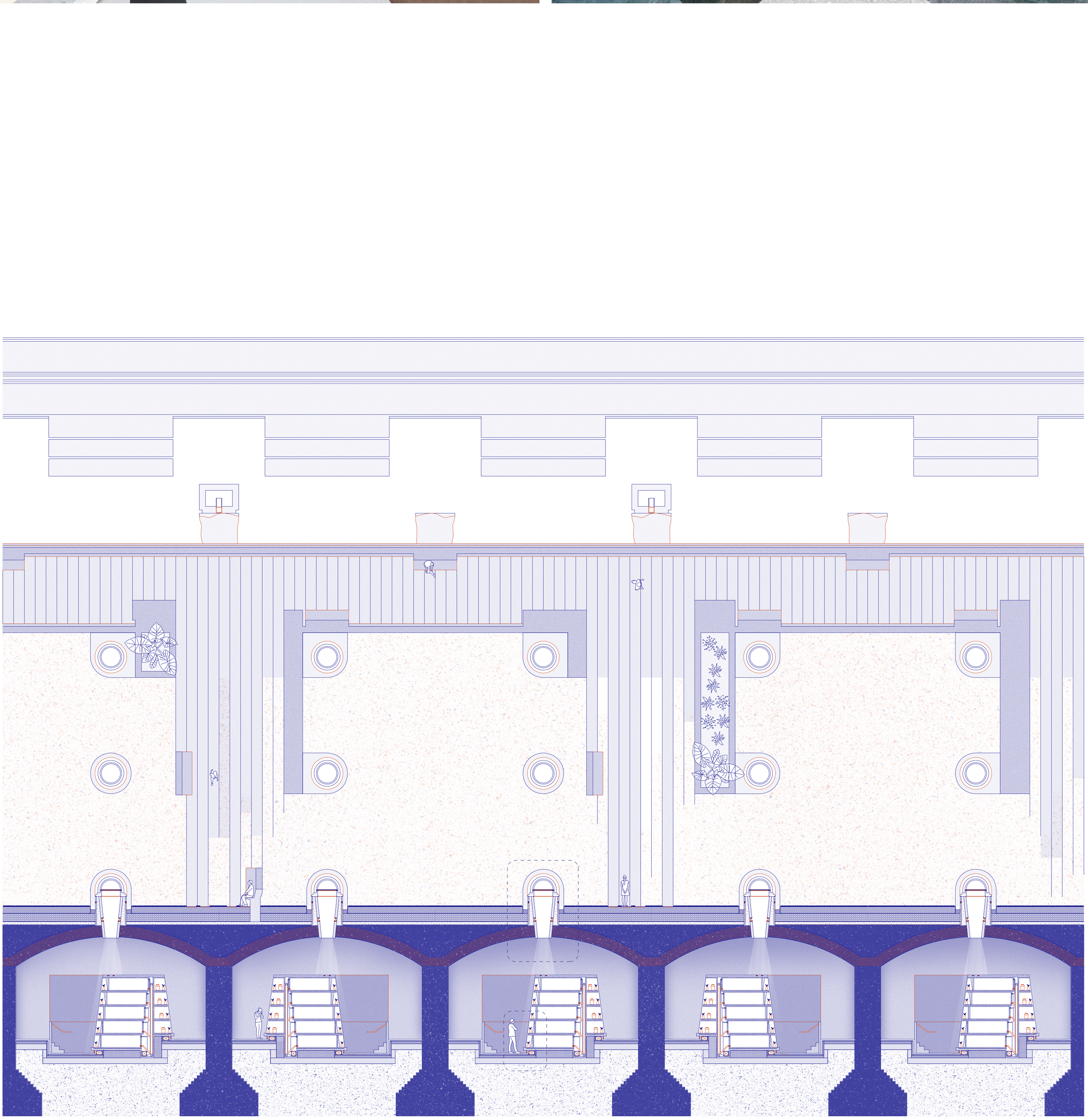
0m 15m
Scale 1:200

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BISHOPSGATE TERMINUS
PSYCHOGEOGRAPHIES OF MEMORY, DEATH AND BURIAL PATTERNS IN NECROPOLITAN LONDON







BURIAL VAULTS + PARK COMPOSITE SECTION AND PLAN

0m 3m

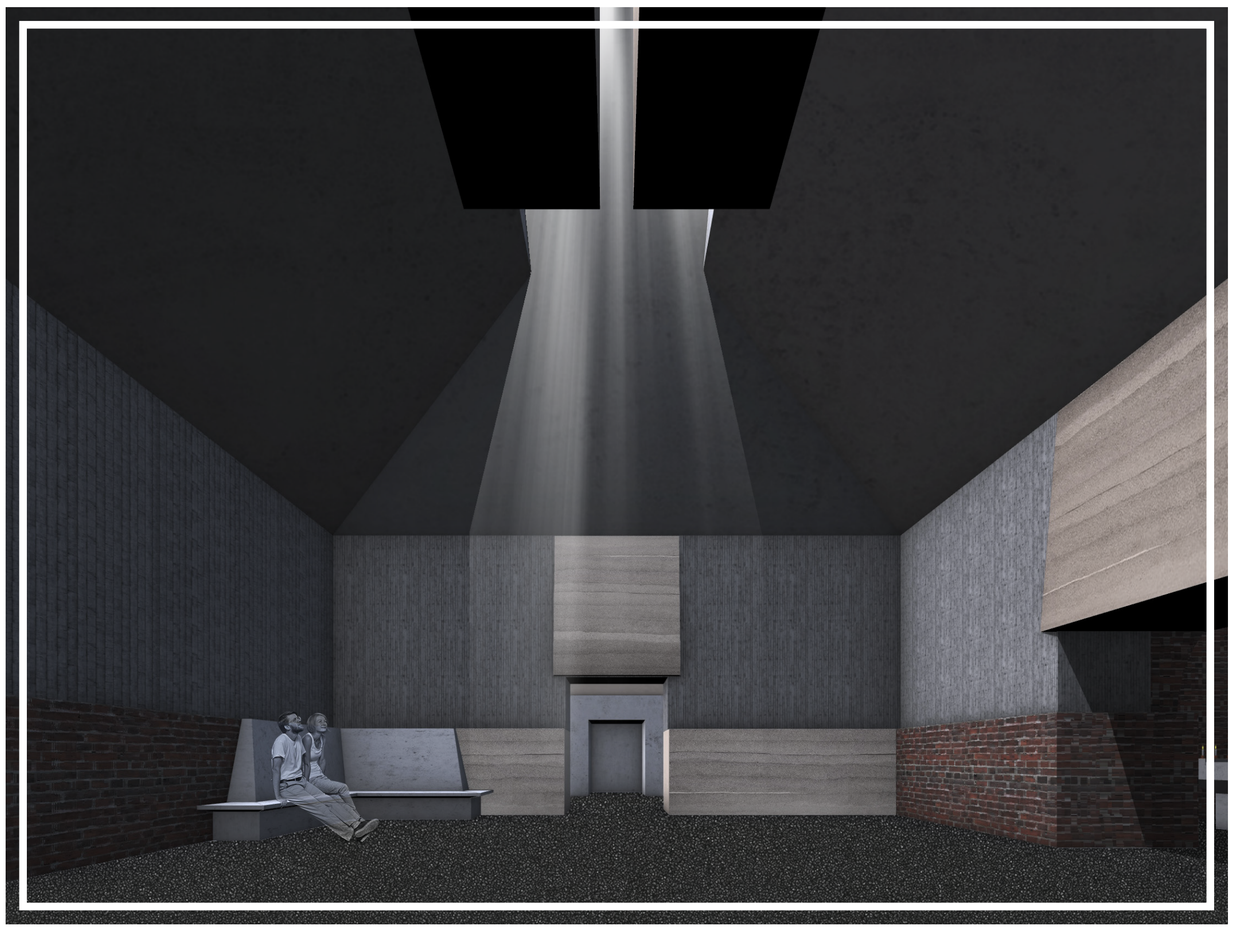
Scale 1:50

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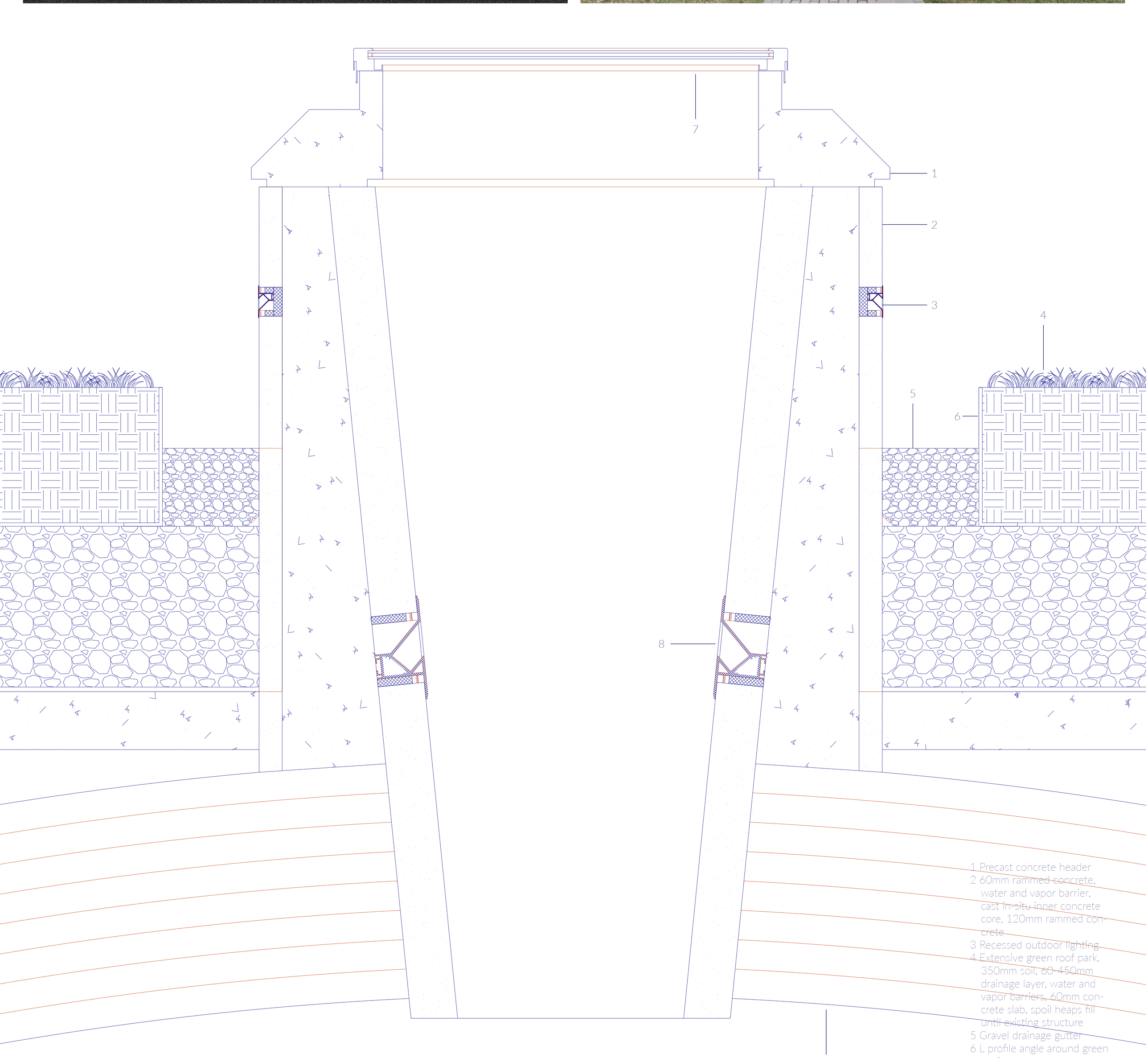
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BISHOPSGATE TERMINUS

PSYCHOGEOGRAPHIES OF MEMORY, DEATH AND BURIAL PATTERNS IN NECROPOLITAN LONDON





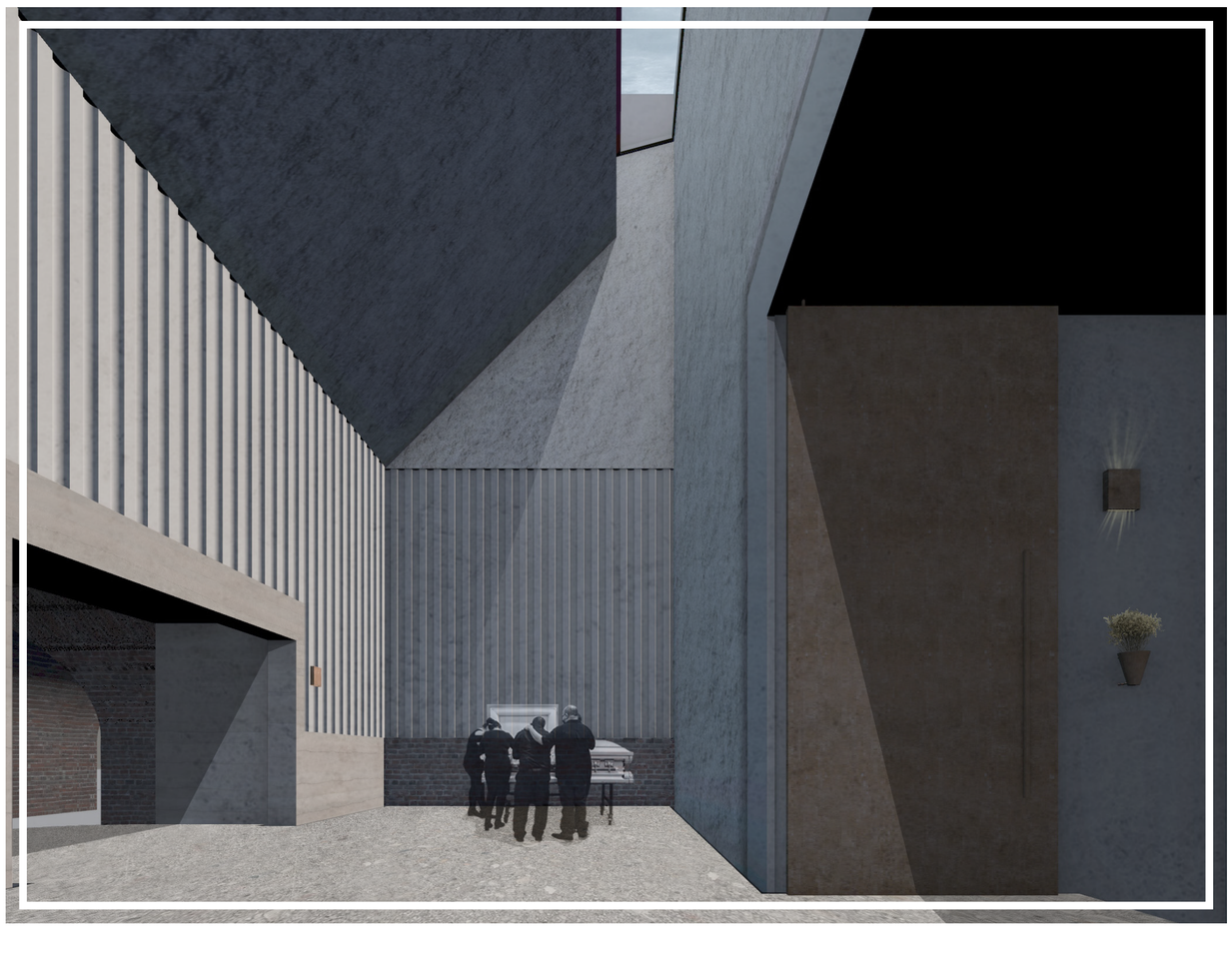


1 Precast concrete header
2 60mm rammed concrete, water and vapor barrier, cast in-situ inner concrete core, 120mm rammed concrete
3 Recessed outdoor lighting
4 Extensive green roof park, 350mm soil, 60-450mm drainage layer, water and vapor barriers, 60mm concrete slab, spoil heaps fill until existing structure
5 Gravel drainage gutter
6 L profile angle around green roof system
7 Flat, sloped skylight w/ aluminium frame
8 Recessed interior light
9 Existing masonry vault

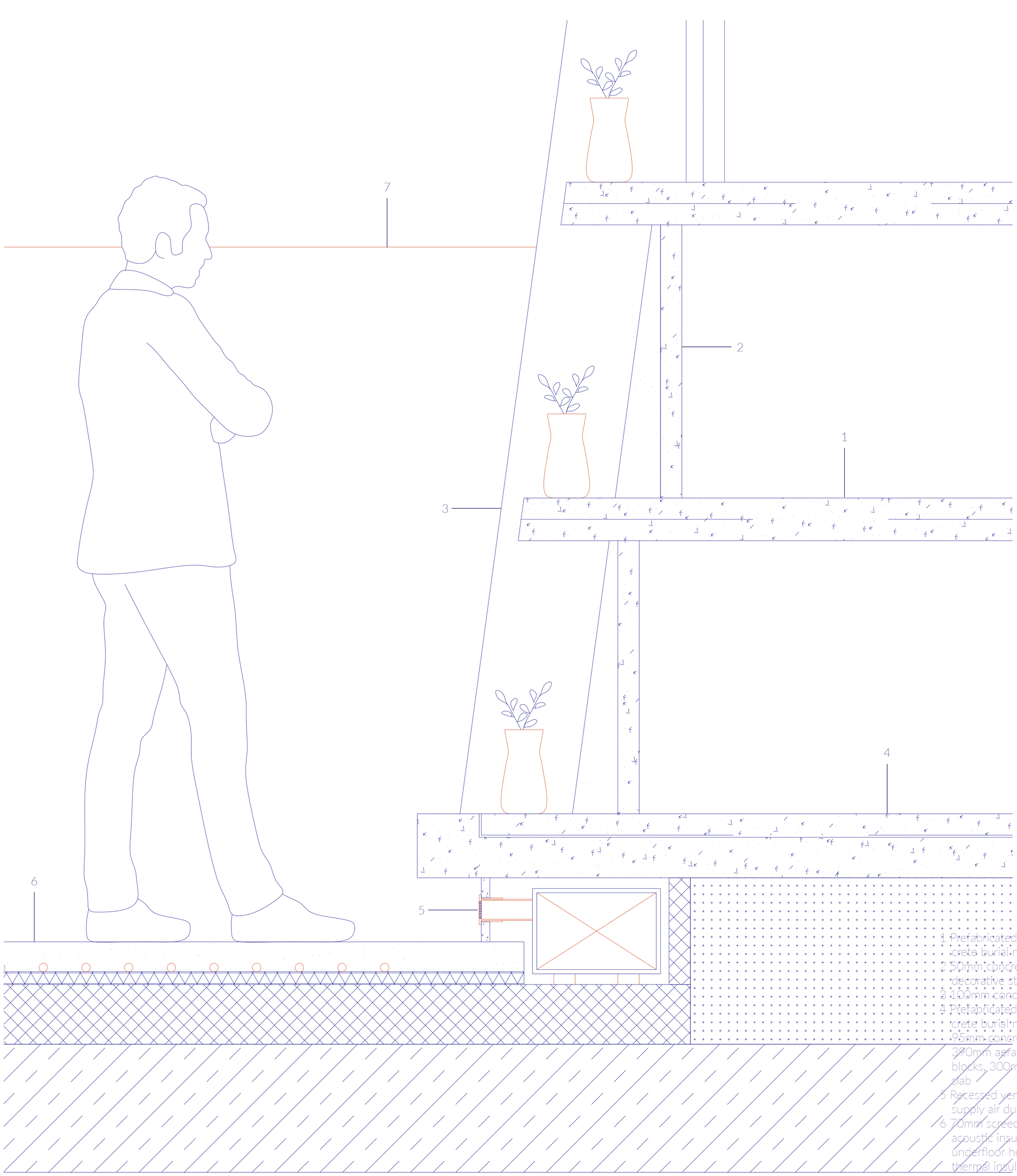
BURIAL VAULT SKYLIGHT DETAIL

0cm 30cm

Scale 1:5







1 Prefabricated 50mm concrete burial niche box
2 50mm concrete sealant lid, decorative stone tombstone
3 100mm concrete fin
4 Prefabricated 50mm concrete burial niche box, 195mm concrete base, 390mm aerated concrete blocks, 300mm concrete slab
5 Recessed ventilation grille, supply air duct 200x300
6 70mm screed, 30mm acoustic insulation sheet, underfloor heating, 140mm thermal insulation, water and vapor barriers, 300mm reinforced concrete slab
7 Steel balustrade beyond

BURIAL NICHE VENTILATION DETAIL

0cm 30cm

Scale 1:5

MASTER PLAN PARK LEVEL

0m 30m

Scale 1:500

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BISHOPSGATE TERMINUS

PSYCHOGEOGRAPHIES OF MEMORY, DEATH AND BURIAL PATTERNS IN NECROPOLITAN LONDON



MASTER PLAN STREET LEVEL

0m 30m

Scale 1:500

BISHOPSGATE TERMINUS

PSYCHOGEOGRAPHIES OF MEMORY, DEATH AND BURIAL PATTERNS IN NECROPOLITAN LONDON