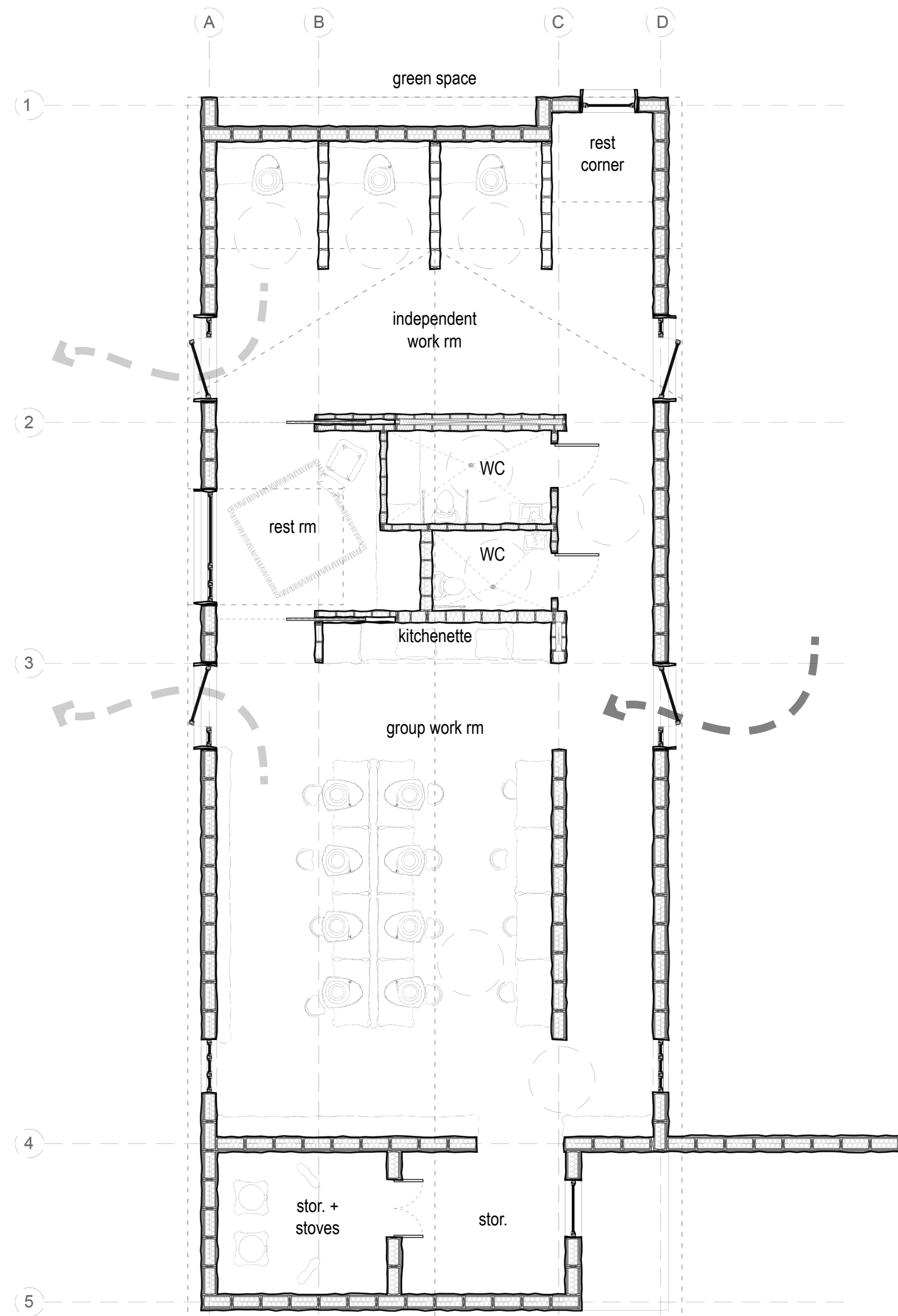
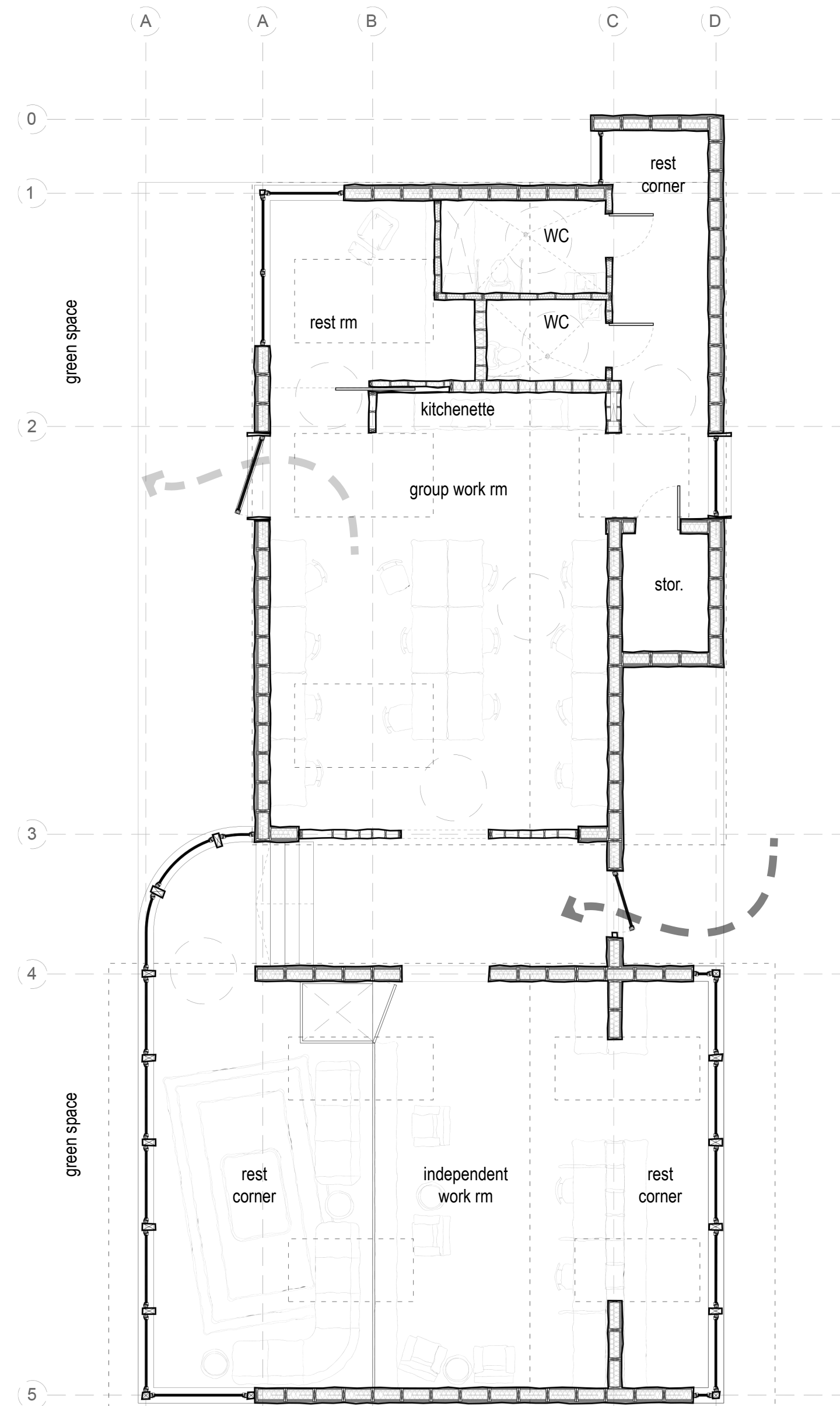


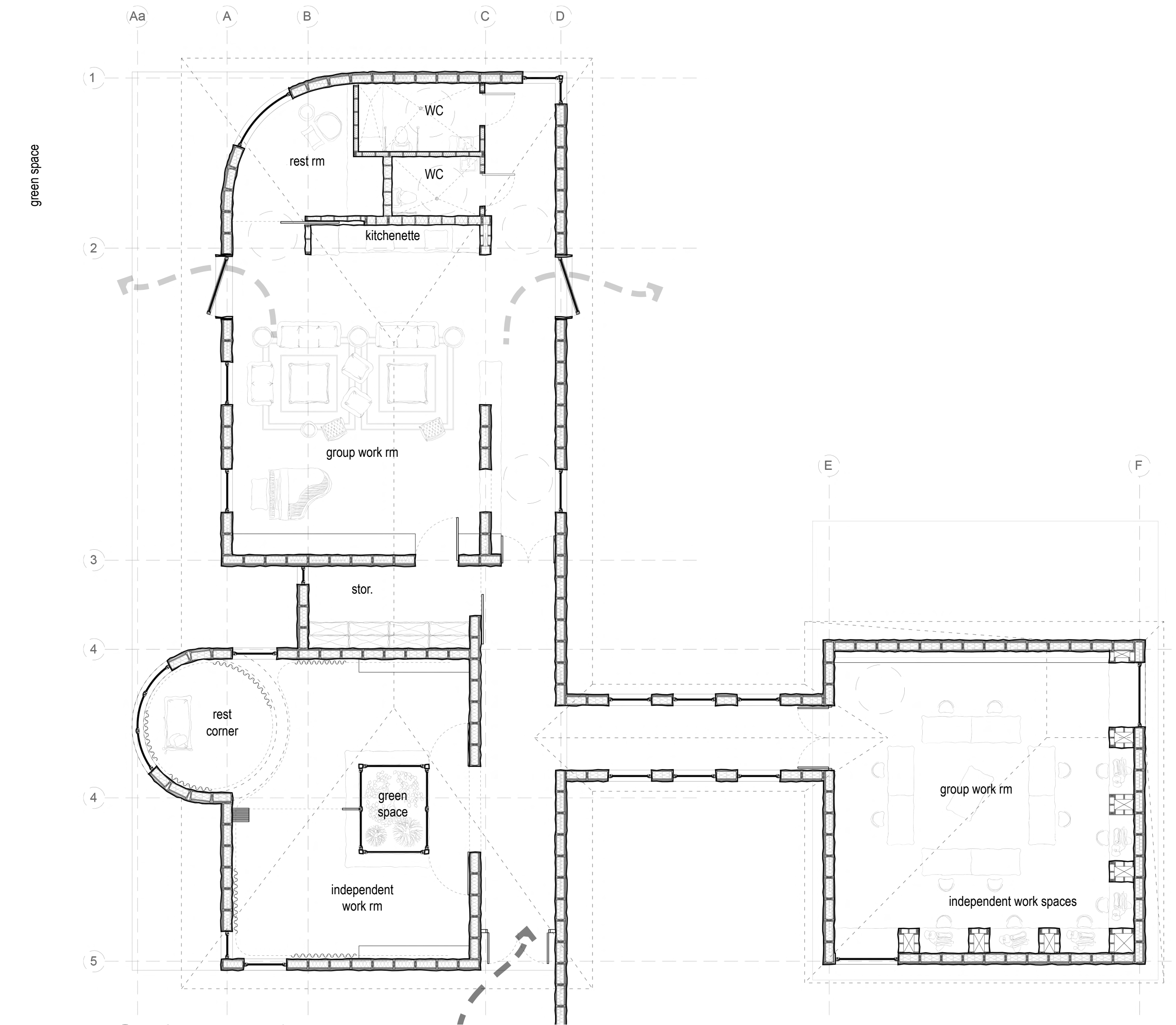
Studio | Art
(1:100)



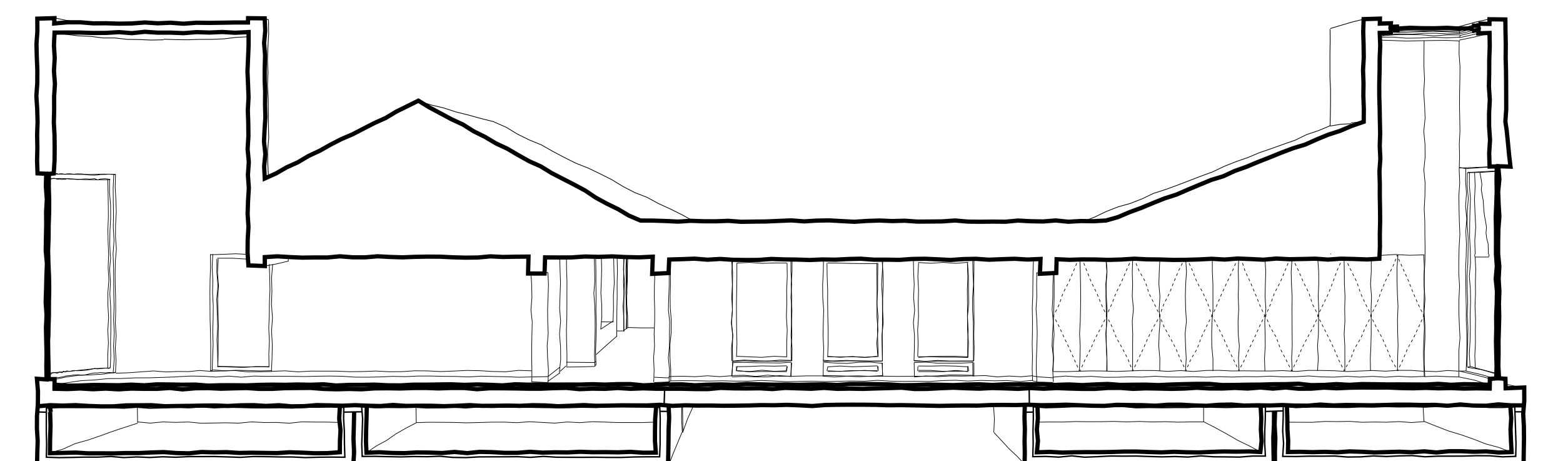
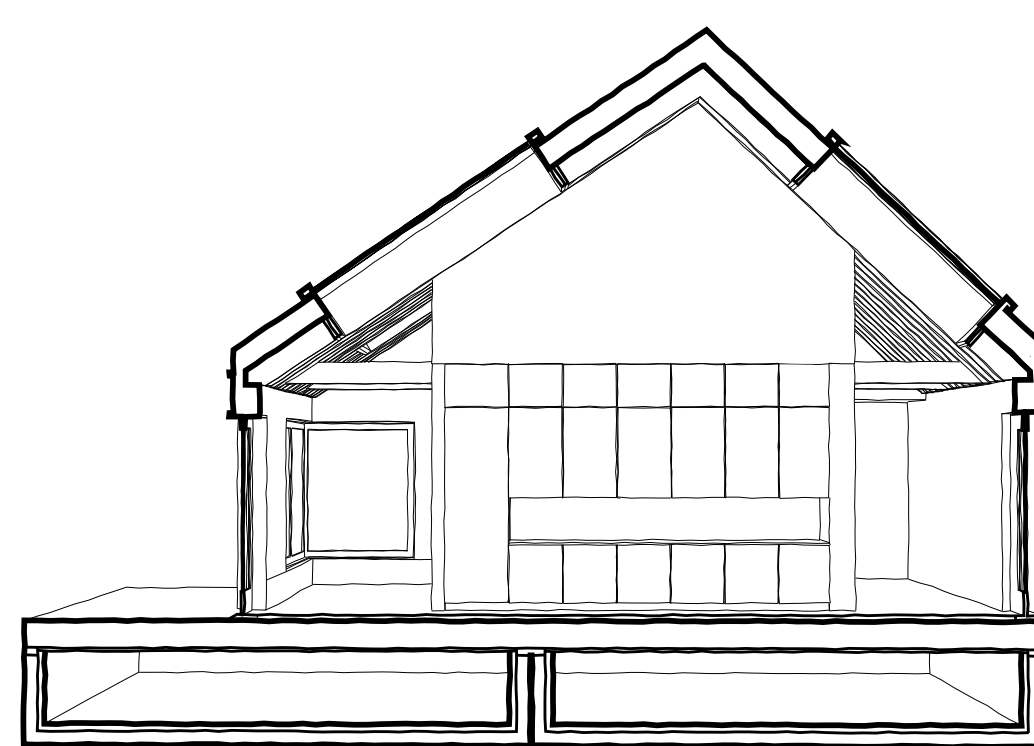
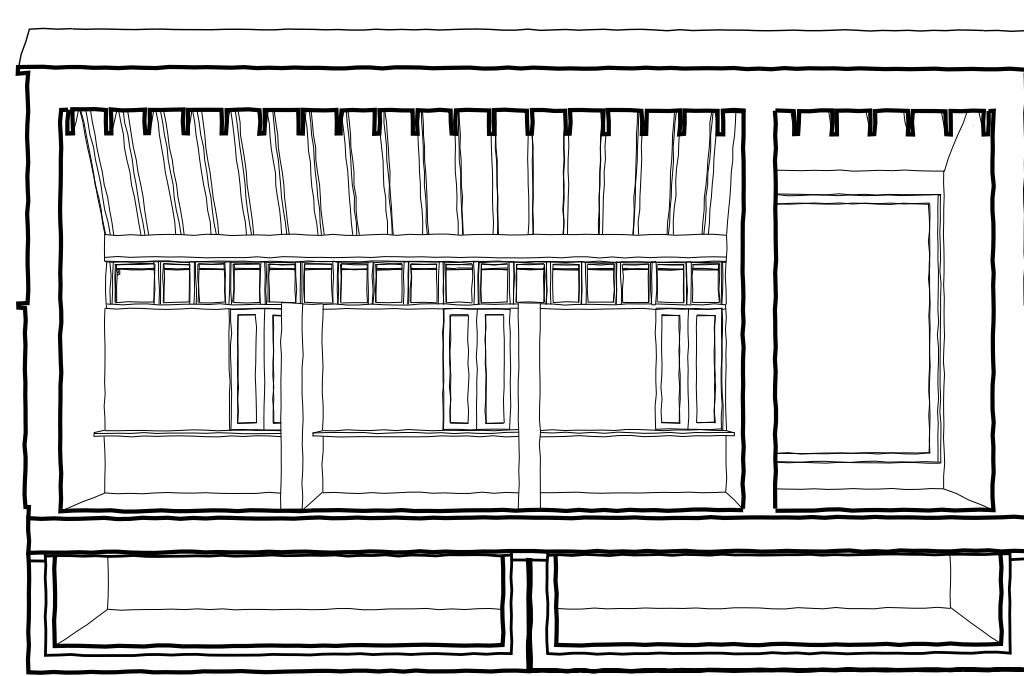
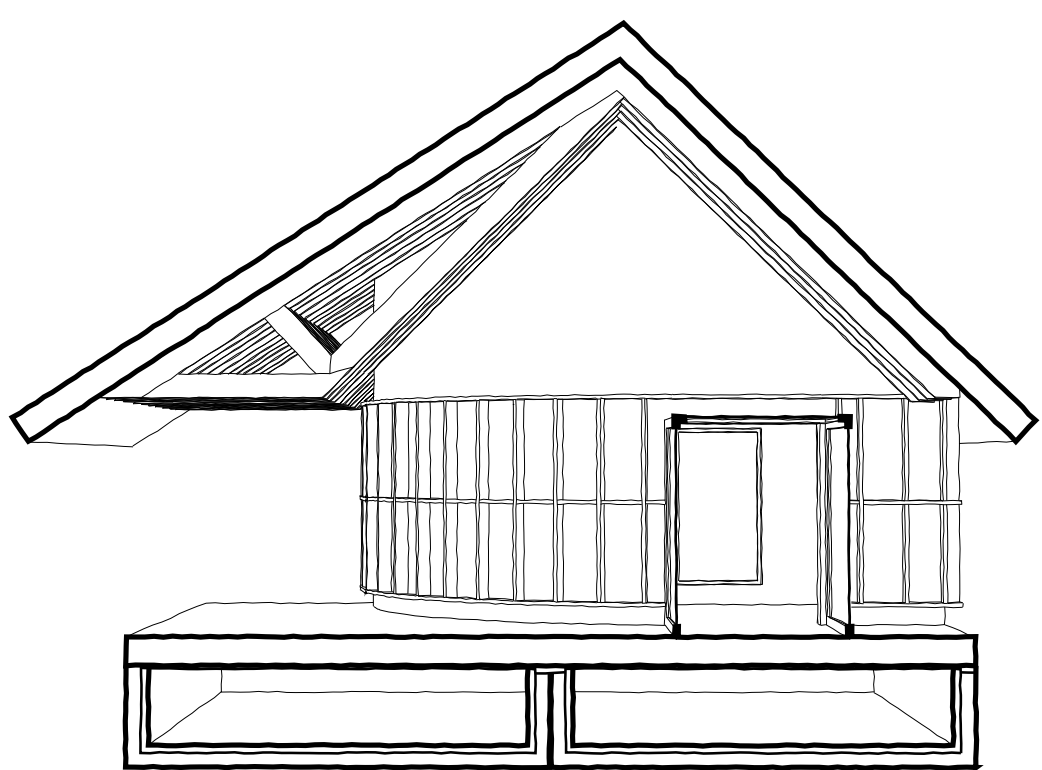
Studio | Ceramics
(1:100)

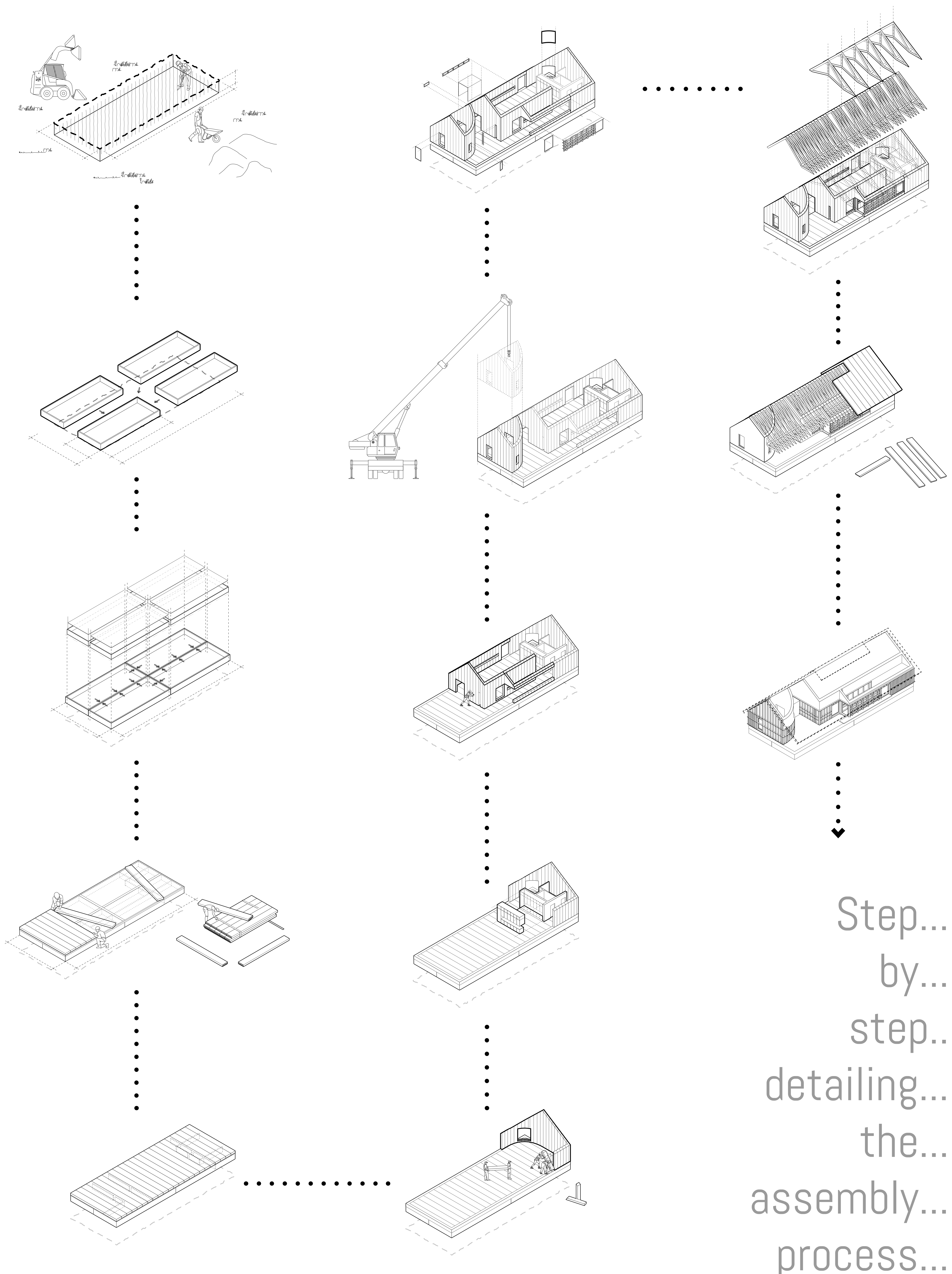


Studio | Textiles
(1:100)

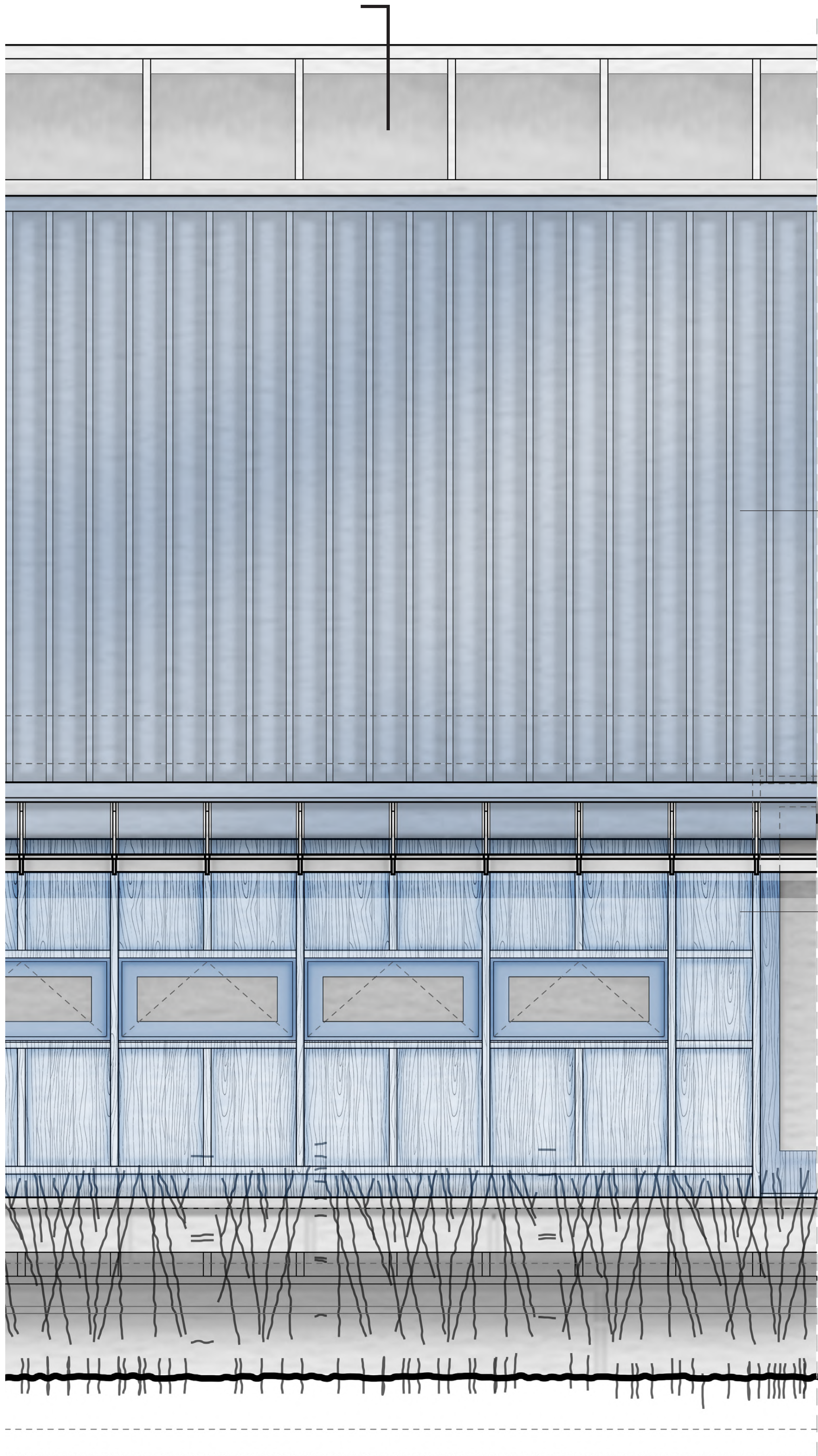


Studio | Music & Production
(1:100)





Step...
by...
step..
detailing...
the...
assembly...
process...



Art Studio | Exterior Elevation Fragment, North
(1:20)

METAL ROOF SYSTEM, TYP.

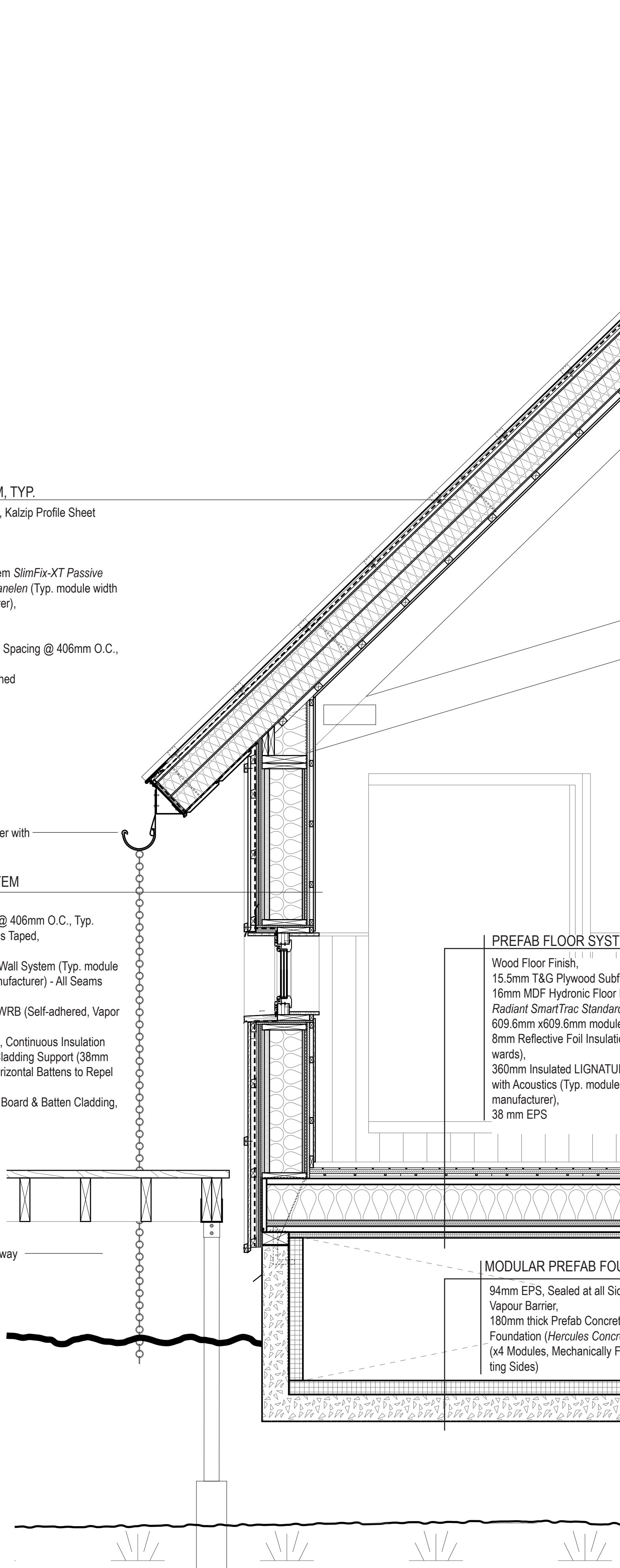
KALZIP® Metal Roof System, Katzip Profile Sheet
50/444
Composite Clip Type E
WRB
280mm Modular Roof System SlimFix-XT Passive
Roof Panels/ Passief Dakpanelen (Typ. module width
of 1020mm, per manufacturer),
Vapour Barrier
Purlins (76x127mm)
Prefab Gable Timber Truss, Spacing @ 406mm O.C.,
Typ.
13mm Plywood Finish, Stained

Hanging Half-Round Gutter with
Rain Chain

PREFAB WALL SYSTEM

13mm GWB, Pld
19x19mm Wood Furring @ 406mm O.C., Typ.
15mm Plywood, All Seams Taped,
Vapor Barrier
300 mm Modular Timber Wall System (Typ. module
width of 660 mm, per manufacturer) - All Seams
Taped
Continuous Air Barrier & WRB (Self-adhered, Vapor
Open)
38mm Exterior Sheathing, Continuous Insulation
Double-Battened Wood Cladding Support (38mm
Air Gap), Bevel Top of Horizontal Battens to Repel
Moisture,
Platowood Wood Vertical Board & Batten Cladding,
Nailed & Stained

Exterior Wood Deck Pathway
Beyond



Textile Studio | Sectional Fragment, North
(1:20)

PREFAB FLOOR SYSTEM, TYP.

Wood Floor Finish,
15.5mm T&G Plywood Subfloor,
16mm MDF Hydronic Floor Heating System - Watts
Radiant SmartTrac Standard Sub-Floor Panel, Typ.
603.6mm x603.6mm modules,
8mm Reflective Foil Insulation (To direct heat up-
wards),
360mm Insulated LIGNATUR Surface Element (LFE)
with Acoustics (Typ. module width of 1200mm, per
manufacturer),
38 mm EPS

MODULAR PREFAB FOUNDATION

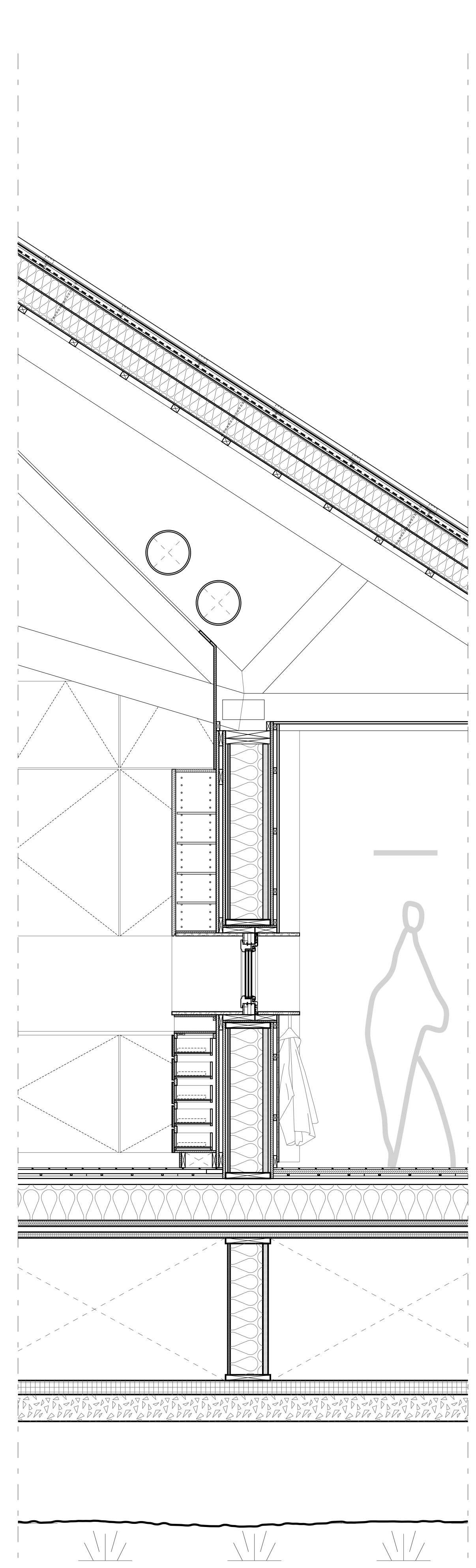
84mm EPS, Sealed at all Sides,
Vapour Barrier
180mm thick Prefab Concrete Shell - Boat
Foundation (Hercules Concrete Shells)
(x4 Modules, Mechanically Fastened at Abut-
ting Sides)



Art Studio | Interior Elevation Fragment, North
(1:20)



Art Studio | Sectional Fragment, South
(1:20)

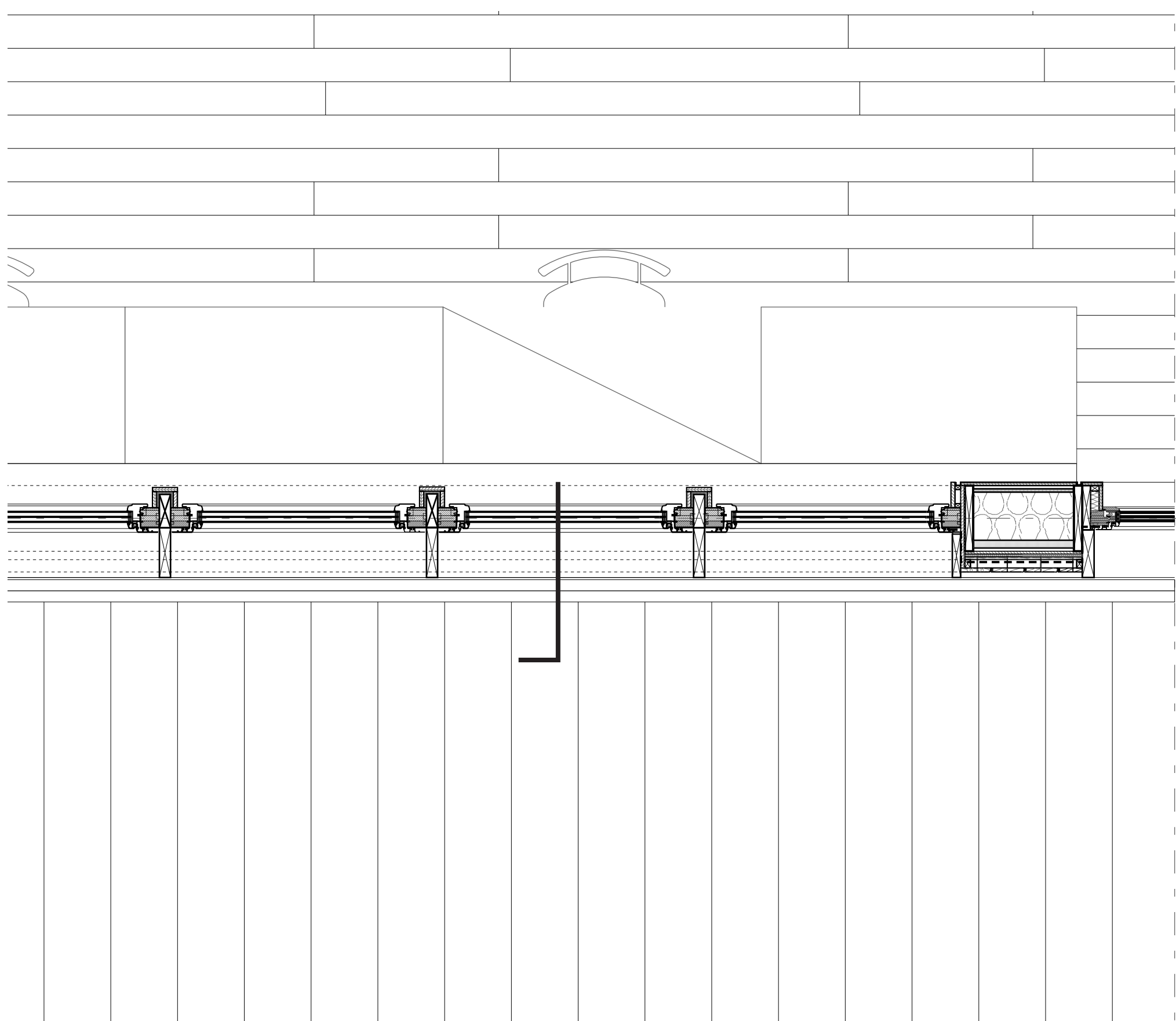


Art Studio | Sectional Fragment, Interior Millwork
(1:20)

NOTE: Electrical wiring & plumbing services to be arranged in foundation cavity.

Boat foundation to be sealed & well insulated at all sides. Service-related perforations to be sealed & watertight. Slow ventilation into space to be permitted.

Additional weight to be added as needed for balancing purposes. TBD.



Art Studio | Plan Detail Fragment, South
(1:20)

Gutter Detail

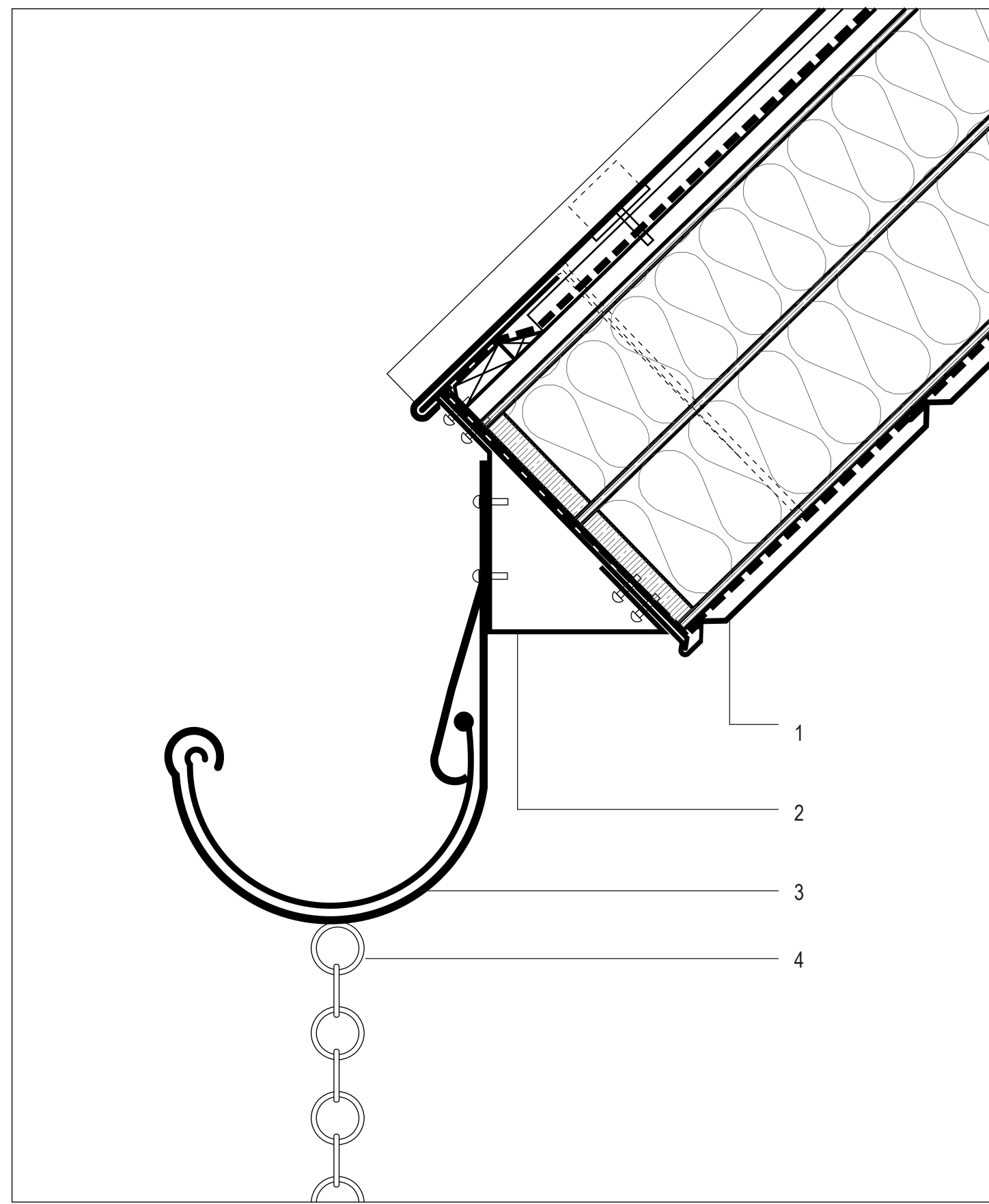
1. Smooth plank, Aluminum alloy T&G profile at soffit finish, powder-coated. Colour to match roofing system.
2. Half-round gutter hanger mechanically mounted to aluminum fascia finish of roof overhang.
3. Half-round rain gutter. Powder-coated, white or blue.
4. Rain chain, design can vary. Installed at edge of roof to lead water into environment below.

Window Opening Detail

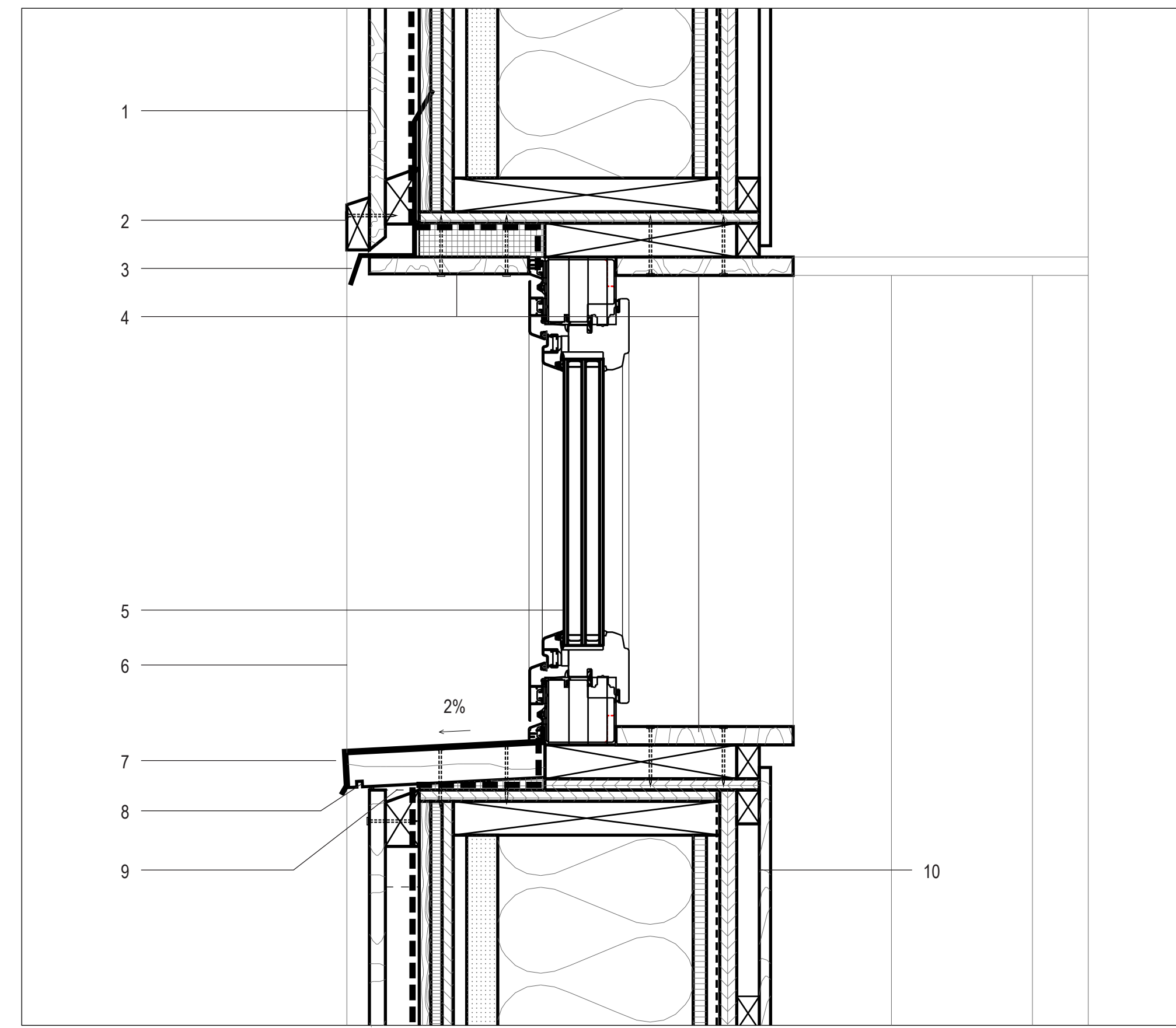
1. Platowood Wd vertical T&G Cladding, nailed to battens for air gap & stained blue.
2. Timber battens (horizontal & vertical) nailed to front of timber siding. Stained to match siding below.
3. Metal flashing at window header for moisture egress behind cladding system. Adhered in place with silicone sealant.
4. Timber finish at window surround, both interior and exterior side of window. Nailed to rigid insulation. Stained blue.
5. Passive house grade ECO-IDEALU Neuffer windows. Triple-glazed Aluminum-clad wood, tilt-and-turn operation.
6. Line of battens beyond.
7. Aluminum clad wood sill, nailed & glued in place atop rigid insulation layer, 2% slope. Noise muffling felt below aluminum to minimize sound of water dripping.
8. Drip edge to wood for water runoff.
9. Insect mesh at top of cladding to prevent entry behind wall.
10. Interior plywood finish, with 25mm (1") shadow-line reveal at top and bottom of wall. Small cavity beyond to accommodate electrical wiring as needed.

Exterior Wall to Foundation

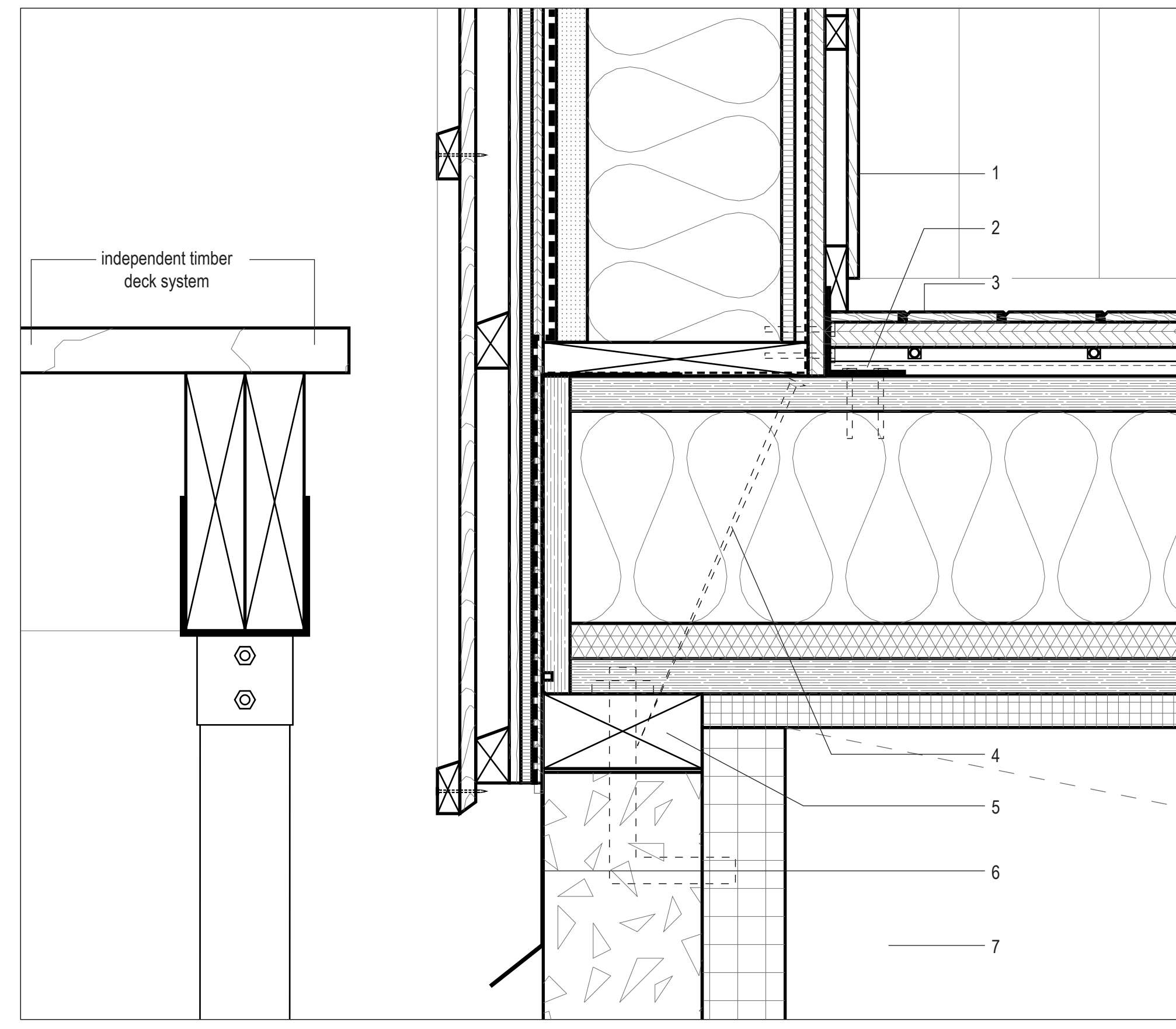
1. Interior plywood finish, with 25mm (1") shadow-line reveal at top and bottom of wall. Small cavity beyond to accommodate electrical wiring as needed.
2. Metal angle-bracket wall base connection to Lignatur floor system. Screwed in place.
3. T&G wood floor finish, stained with pattern.
4. Long nail support connection through Lignatur floor system into all supporting timber sill plates.
5. Wood sill plate fastened to boat foundation wall w/ min. 12.7mm dia. anchor bolts embedded min. 100mm in concrete at 2400mm o.c. max. Provide caulking/ gasket between plate & foundation wall.
6. Flashing at foundation wall. Prevent water entry at material connection joints.
7. Insulated & sealed foundation space.



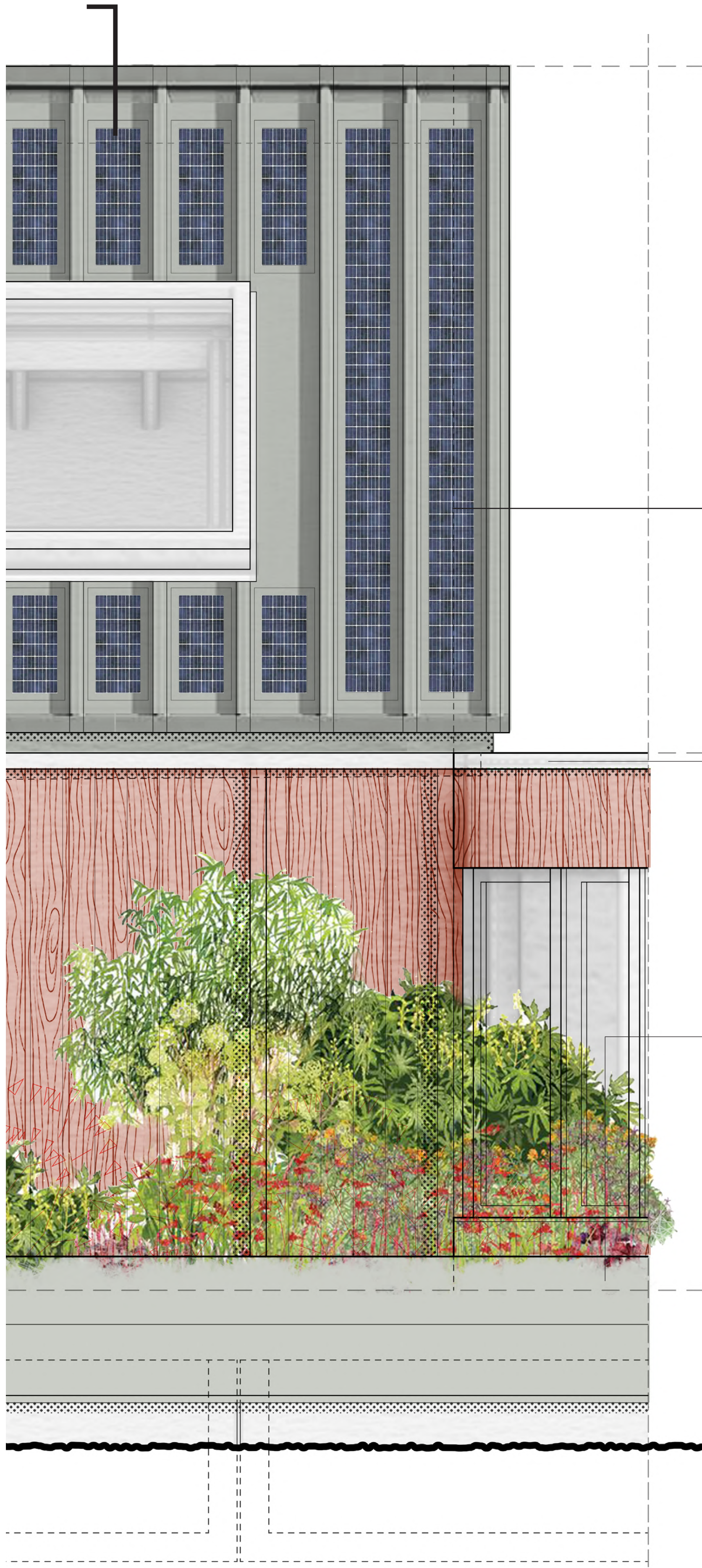
Art Studio | Gutter Detail, North
(1:5)



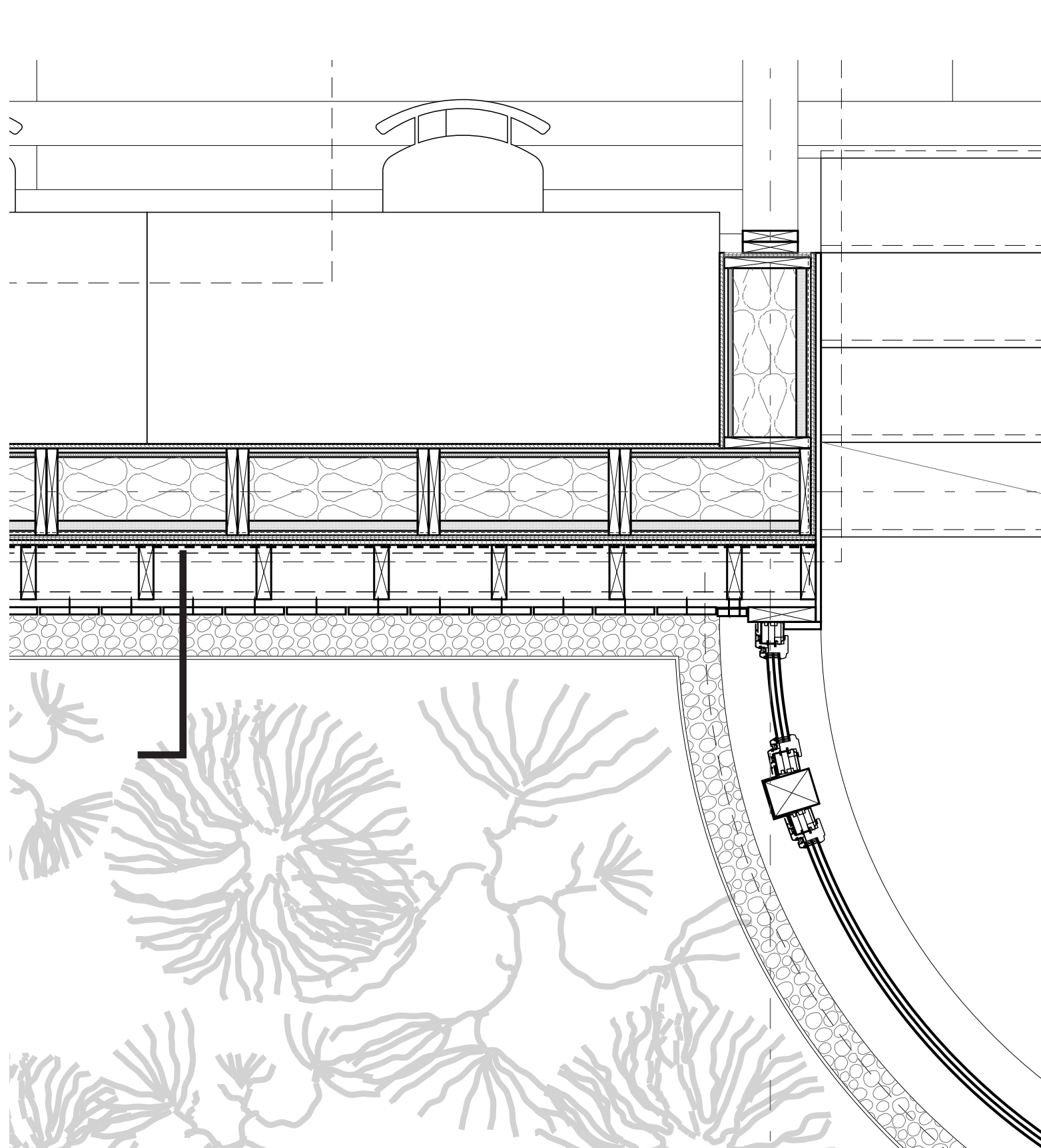
Art Studio | Window Opening Detail, North
(1:5)



Art Studio | Exterior Wall to Foundation Connection
(1:5)



Textile Studio | Exterior Elevation Fragment, South
(1:20)



Textile Studio | Plan Detail Fragment, South
(1:20)

METAL ROOF SYSTEM, TYP.

KALZIP ALUPLUSSOLAR Metal Roof System
- PV module
- Kalzip Profile Sheet 50444
- Composite Clip Type E

WRB
288mm Modular Roof System SlimFix-XT Passive
Roof Panels/ Passief Dakpanelen (Typ. module width
of 1020mm, per manufacturer),
Vapour Barrier
Purlins (70x127mm)
Prefab Gable Timber Truss, Spacing @ 406mm O.C.,
Typ.
13mm Plywood Finish, Stained

PREFAB WALL SYSTEM

13mm GWB, Ptd.
19x19mm Wood Furring @ 406mm O.C., Typ.
15mm Plywood, All Seams Taped,
Vapour Barrier
300 mm Modular Timber Wall System (Typ. module
width of 660 mm, per manufacturer) - All Seams
Taped
Continuous Air Barrier & WRB (Self-adhered, Vapor
Open)
Doubled-Battened Wood Cladding Support, 215mm
Air Gap for Recessed Gutter Above
38mm Exterior Sheathing, Continuous Insulation
Platwood Wood Vertical Siding, Nailed & Stained

GREEN ROOF SYSTEM

Extensive Biodiverse Planting
50mm Planting Medium (Soil)
Substrate
Filter Fleece
47mm Drainage Layer
Loose Gravel near Wall
EPDM membrane (2 layers)
49mm XPS Board, Sloped at 2% for Water Shedding
Vapour Barrier
360mm Insulated LIGNATUR Surface Element (LFE)
with Acoustics (Typ. module width of 1200mm, per
manufacturer),
38 mm EPS

NOTE: Electrical wiring & plumbing services
to be arranged in foundation cavity.

Boat foundation to be sealed & well insulated
at all sides. Service-related perforations
to be sealed & watertight. Slow
ventilation into space to be permitted.

Additional weight to be added as needed
for balancing purposes. TBD.

Textile Studio | Sectional Fragment, South
(1:20)

Velux Skylight,
gutter to be installed at
bottom of system.

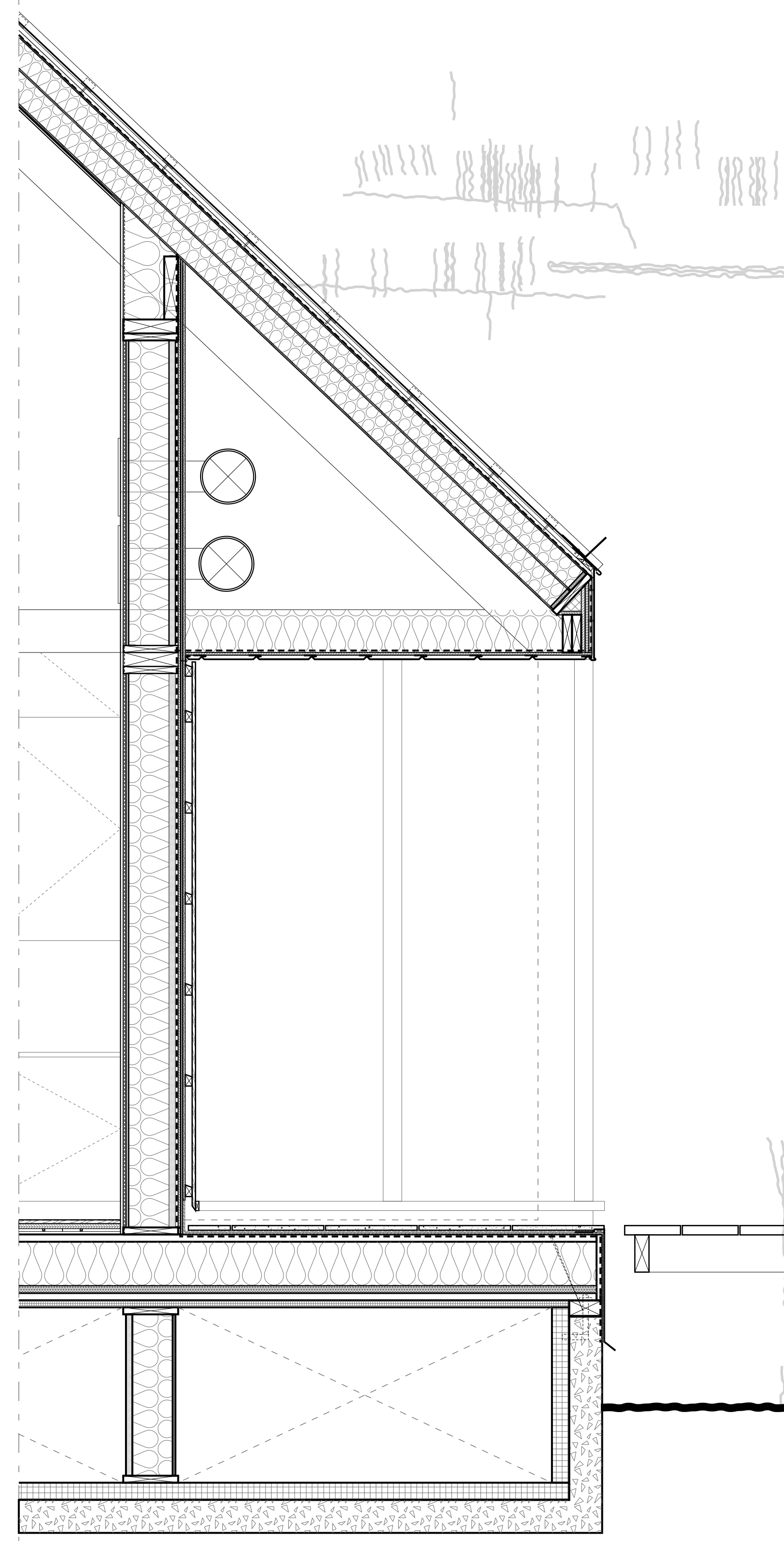
PREFAB FLOOR SYSTEM, TYP.

Wood Floor Finish
15.5mm T&G Plywood Subfloor,
16mm MDF Hydronic Floor Heating System - Watts
Radiant SmartTrac Standard SubFloor Panel, Typ.
609.6mm x609.6mm modules,
8mm Reflective Foil Insulation (To direct heat up-
wards),
360mm Insulated LIGNATUR Surface Element (LFE)
with Acoustics (Typ. module width of 1200mm, per
manufacturer),
38 mm EPS

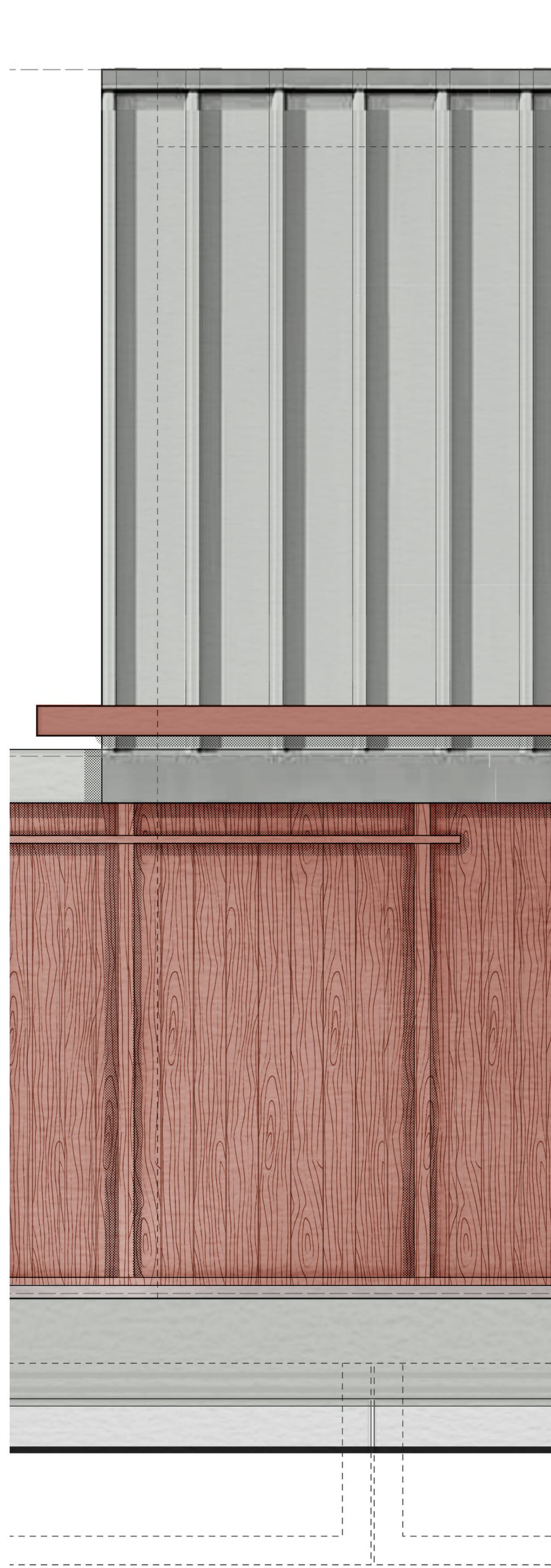
MODULAR PREFAB FOUNDATION

94mm EPS, Sealed at all Sides,
Vapour Barrier,
160mm thick Prefab Concrete Shell - Boat
Foundation (Hercules Concrete Shells)
(x4 Modules, Mechanically Fastened at Abut-
ting Sides)

Textile Studio | Interior Elevation Fragment
(1:20)



Textile Studio | Sectional Fragment, North
(1:20)



Textile Studio | Exterior Elevation Fragment, North
(1:20)

Gutter Detail 1

1. KALZIP ALUPLUSSOLAR Metal Roof System
- PV module
- Kalzip Profile Sheet 50444, Seamed
- Composite Clip Type E

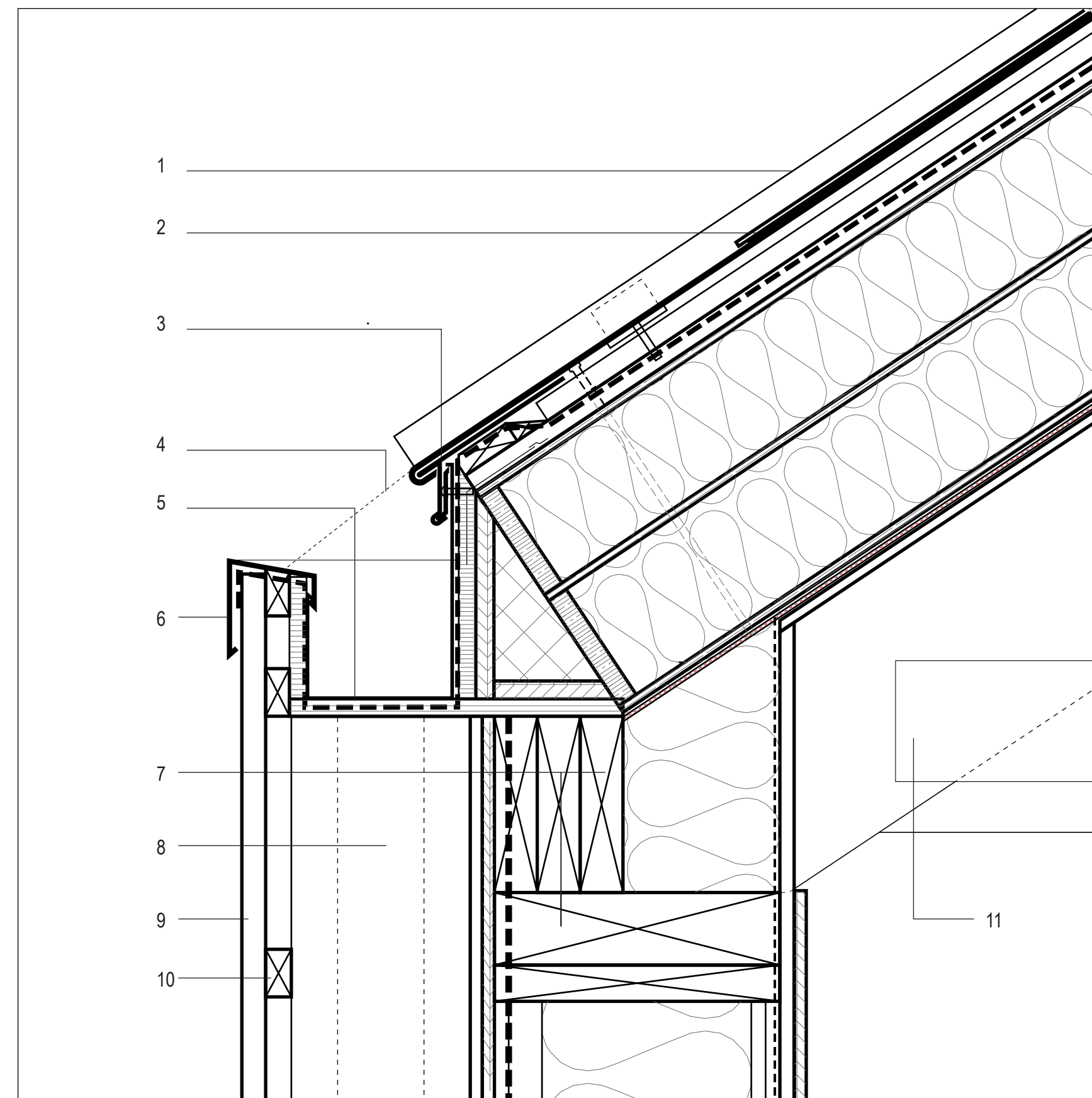
2. Solar cells - 24 SBB Mono crystalline solar cells
3. Aluminum flashing
4. Insect net
5. Recessed powder-coated aluminum box gutter,
all exposed overlaps to be sealed with silicone
6. Aluminum flashing
7. Timber wall plate (murplaat)
8. Double-batten system, for ventilation & support. Vertical rain-water leader be-
yond at edge of wall.
9. Platwood vertical T&G siding, nailed into batten supports using round-headed
ring shank nails (stainless steel)
10. Sawn horizontal batten, beveled top for water shedding
11. Prefab glulam timber trusses, with metal plates at joint connections

Gutter Detail 2

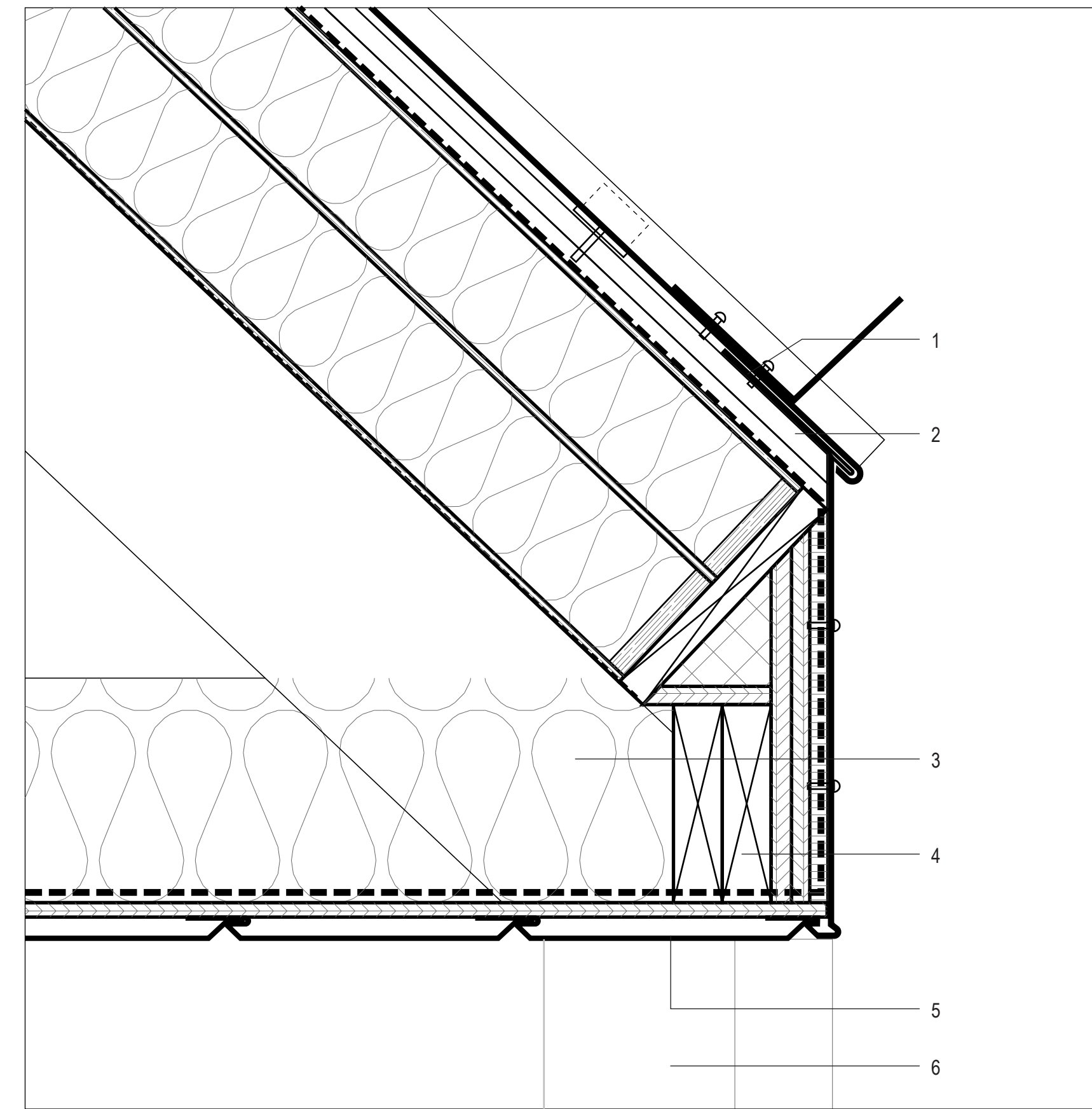
1. Rain guard (diverter), bolted to metal roof system. To span width of pathway
leading up to building, open edge to allow rainwater to fall into environment below.
Powder-coated, colour: red.
2. Aluminum flashing to wrap around soffit fascia.
3. Prefab glulam timber truss, cantilevered overhang at soffit. Insulated space.
4. Timber subfascia
5. Smooth plank, Aluminum alloy T&G profile at soffit finish, powder-coated. Co-
lour to match roofing system.
6. Platwood vertical T&G siding, at wall beyond.

Green Roof to Wall Detail

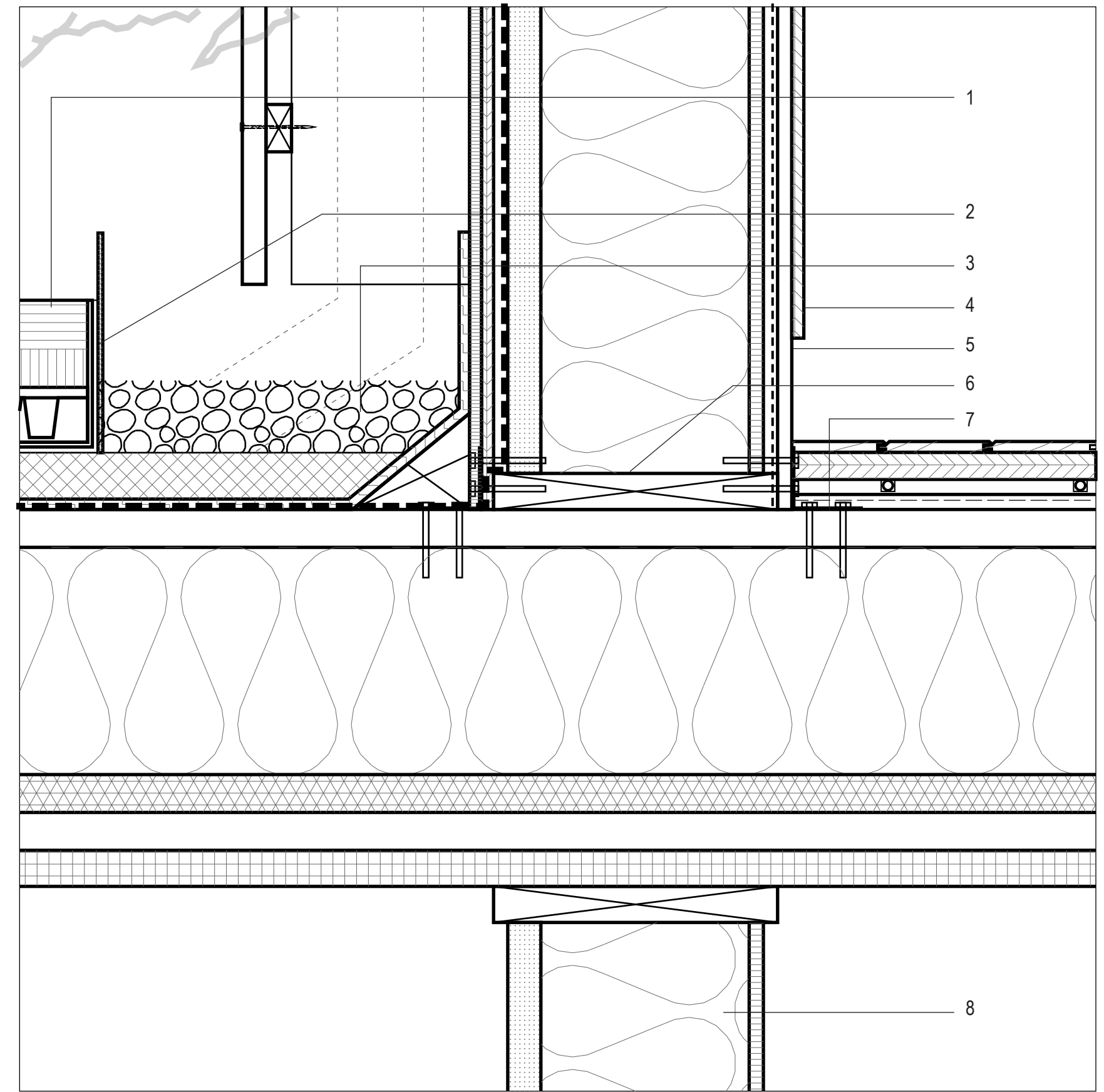
1. Green roof system, exterior deck.
2. Green roof module system, metal edge finish.
3. Loose gravel
4. Interior plywood finish, nailed & stained.
5. 250 mm Baseboard reveal. Plywood finish substructure.
6. Base plate of modular timber wall system.
7. Metal angle-bracket wall base connection to Lignatur floor system. Screwed in
place.
8. Foundation support wall - modular timber wall system.



Textile Studio | Gutter Detail, South
(1:5)



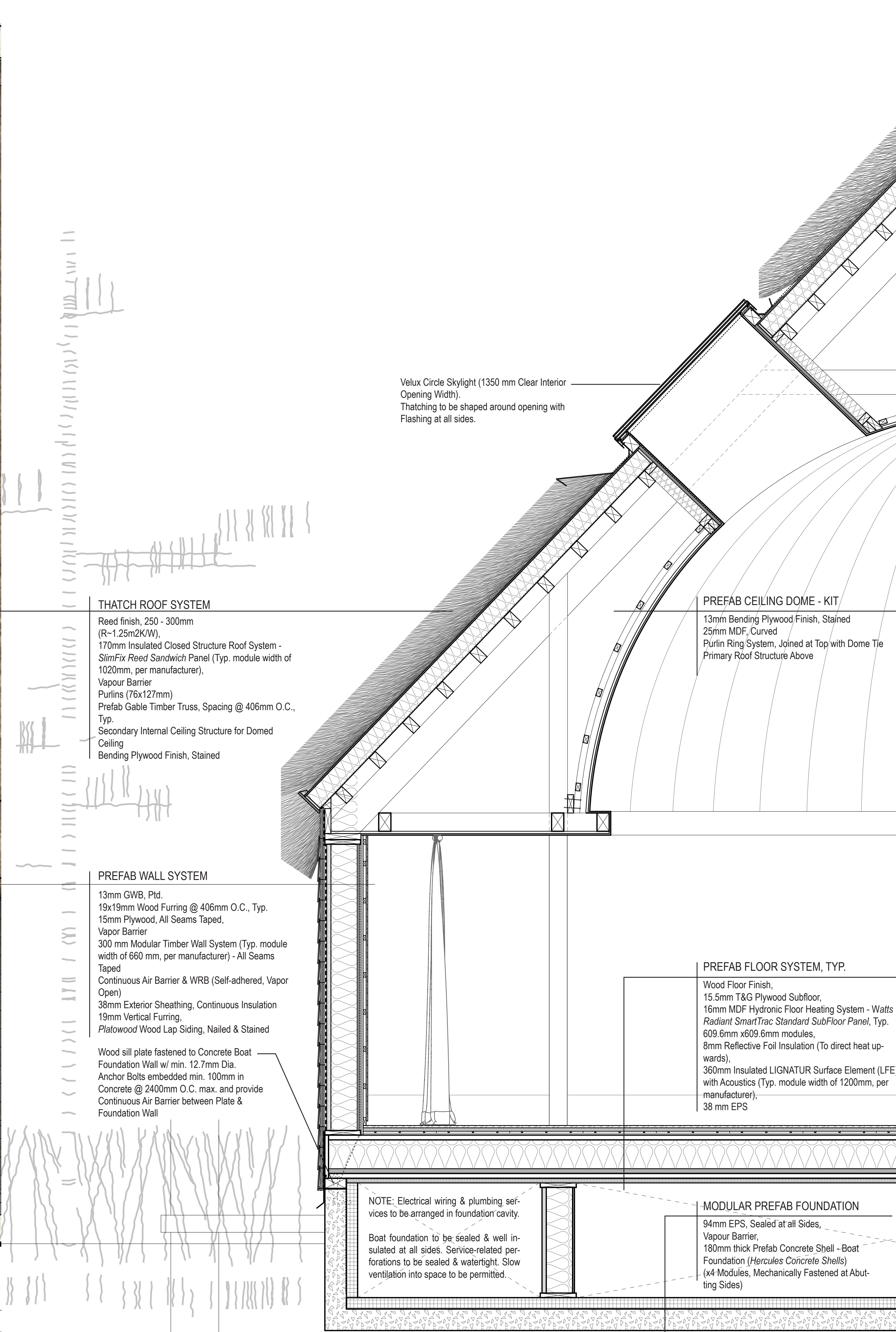
Textile Studio | Gutter Detail, North
(1:5)



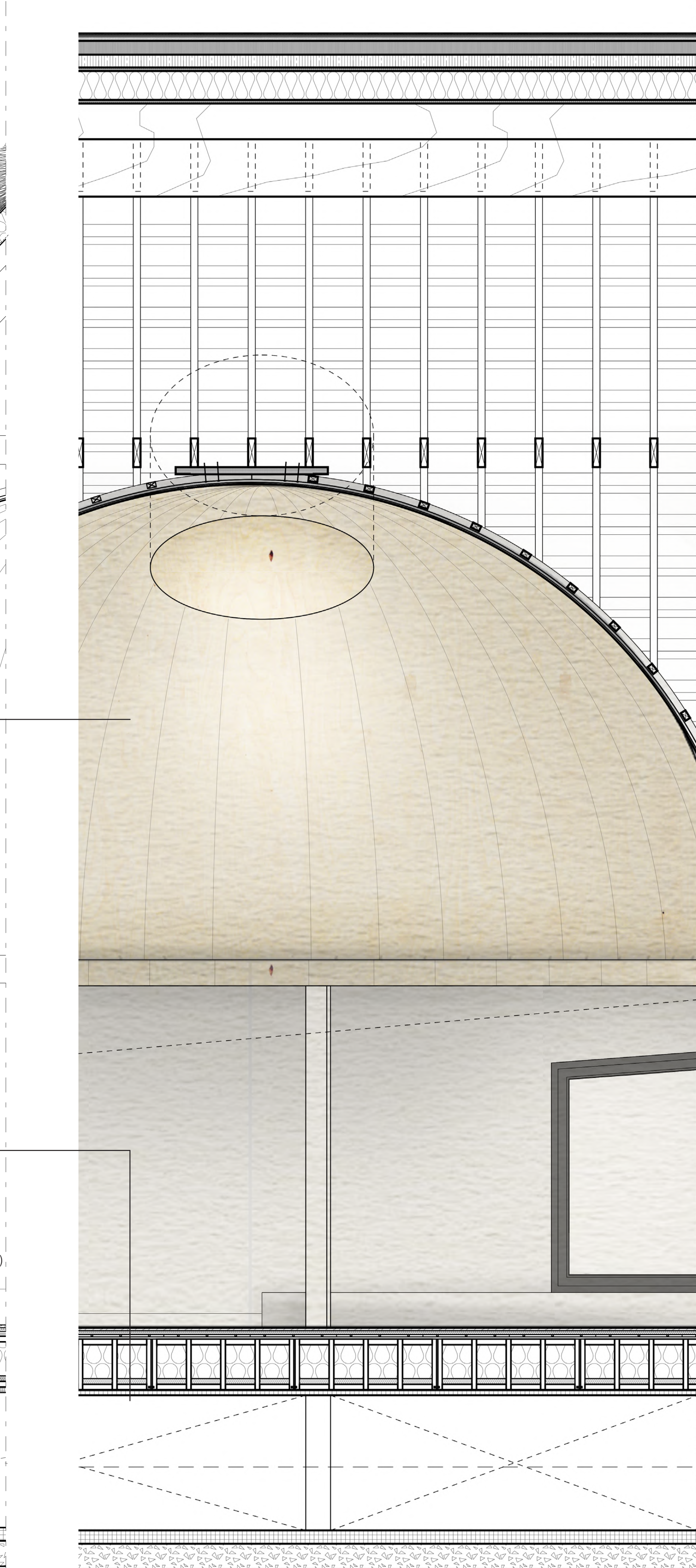
Textile Studio | Green Roof to Wall Connection
(1:5)



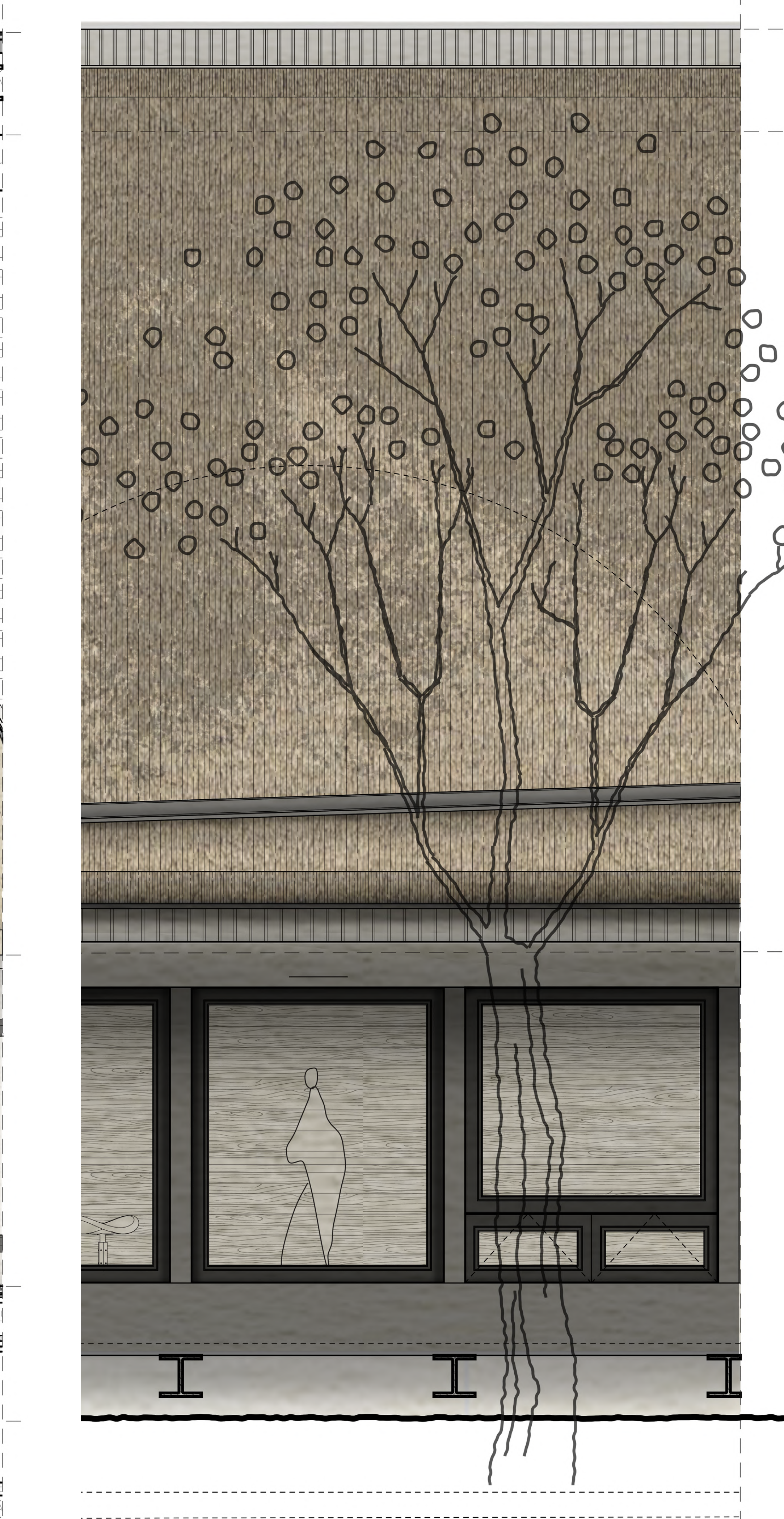
Yoga Studio | Exterior Elevation Fragment, South
(1:20)



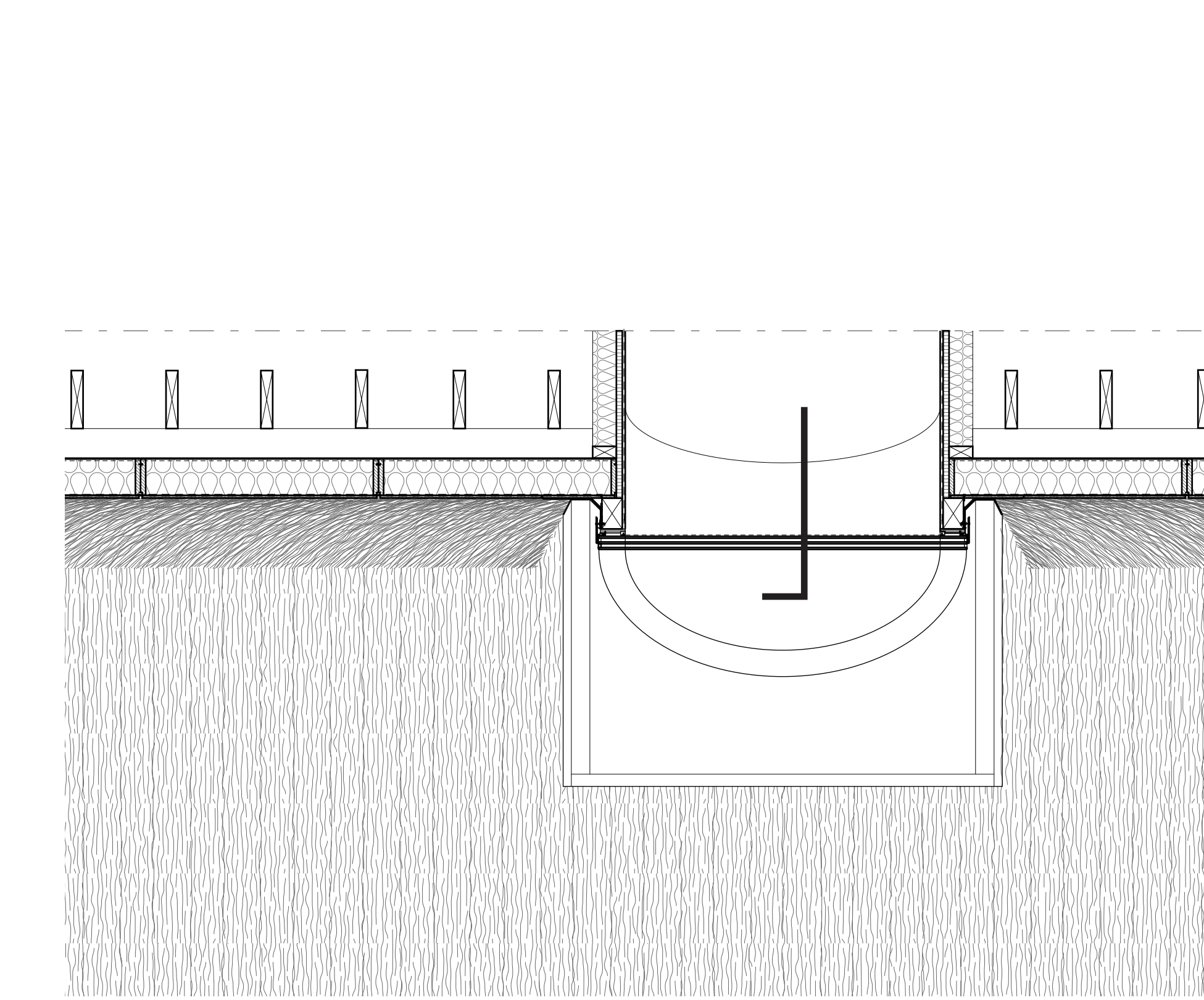
Yoga Studio | Sectional Fragment, South
(1:20)



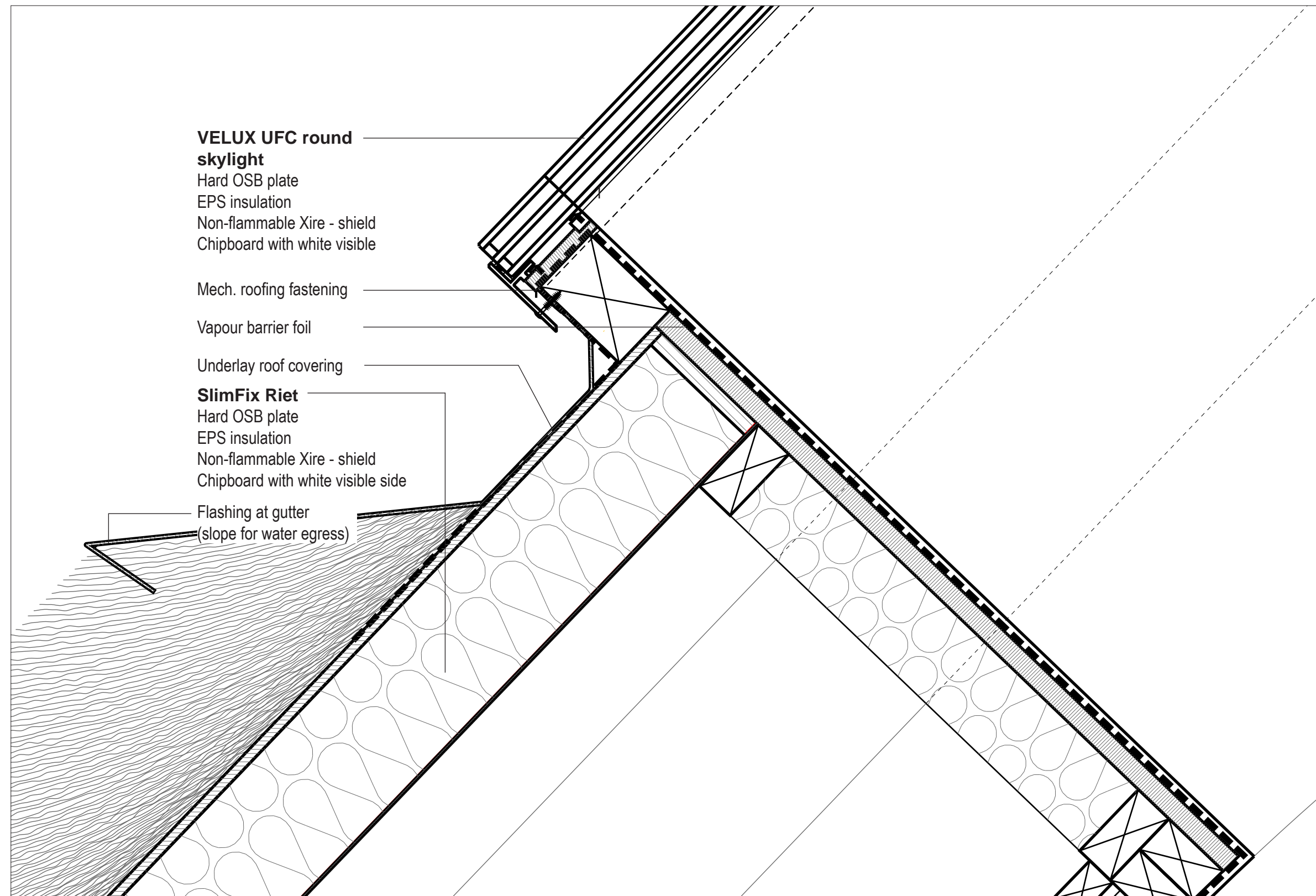
Yoga Studio | Interior Elevation Fragment
(1:20)



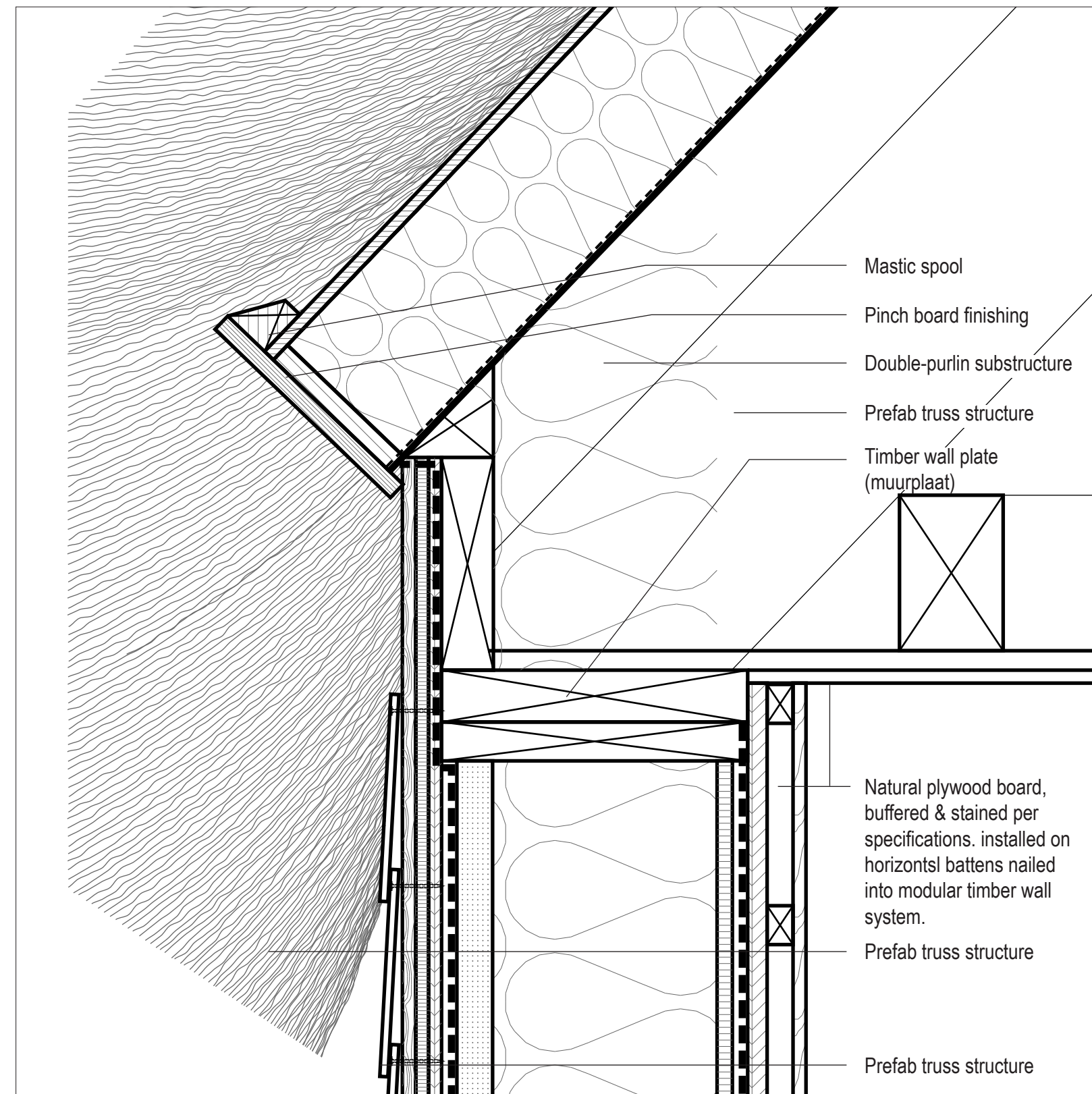
Yoga Studio | Sectional Fragment, North
(1:20)



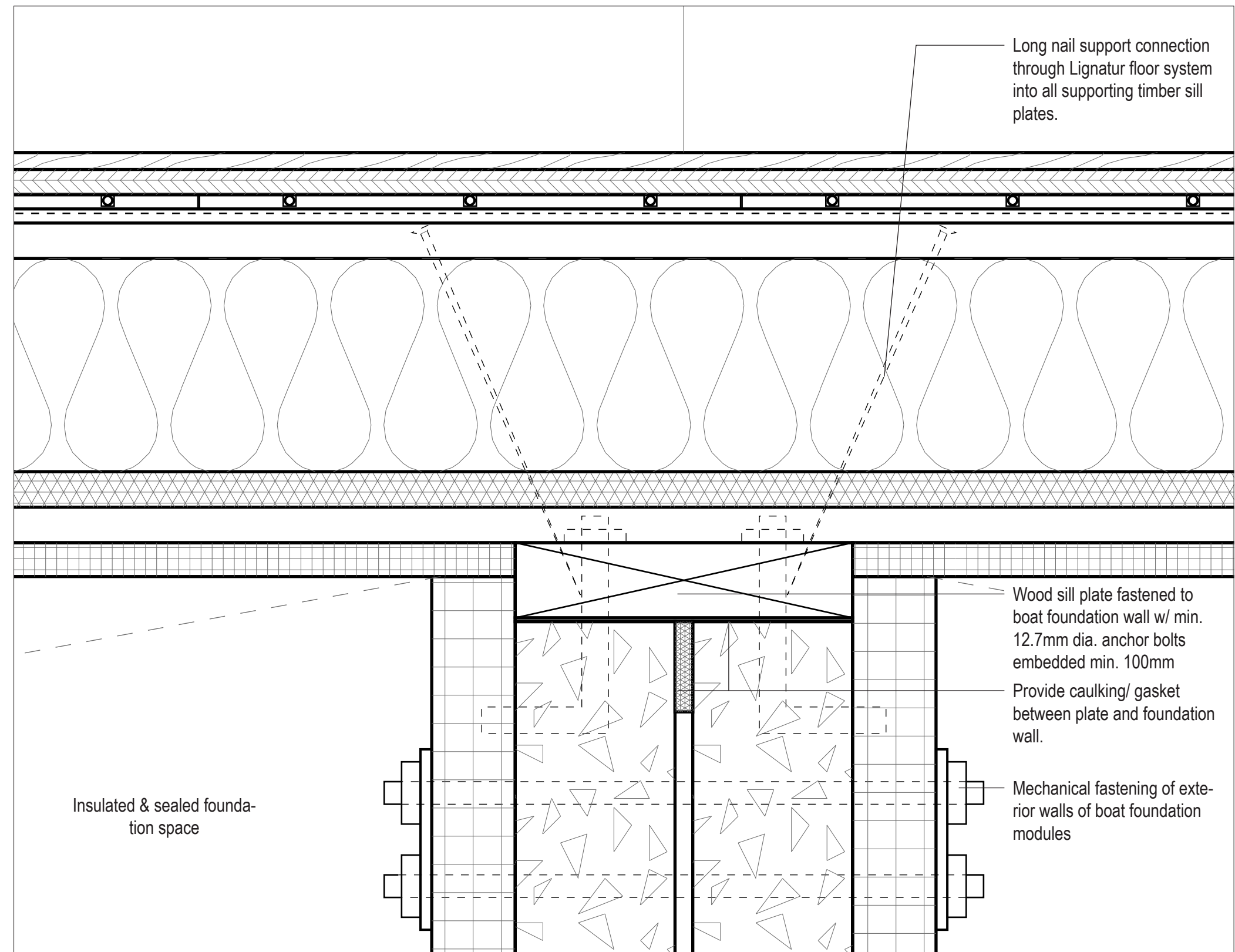
Yoga Studio | Plan Detail Fragment, South Skylight
(1:20)



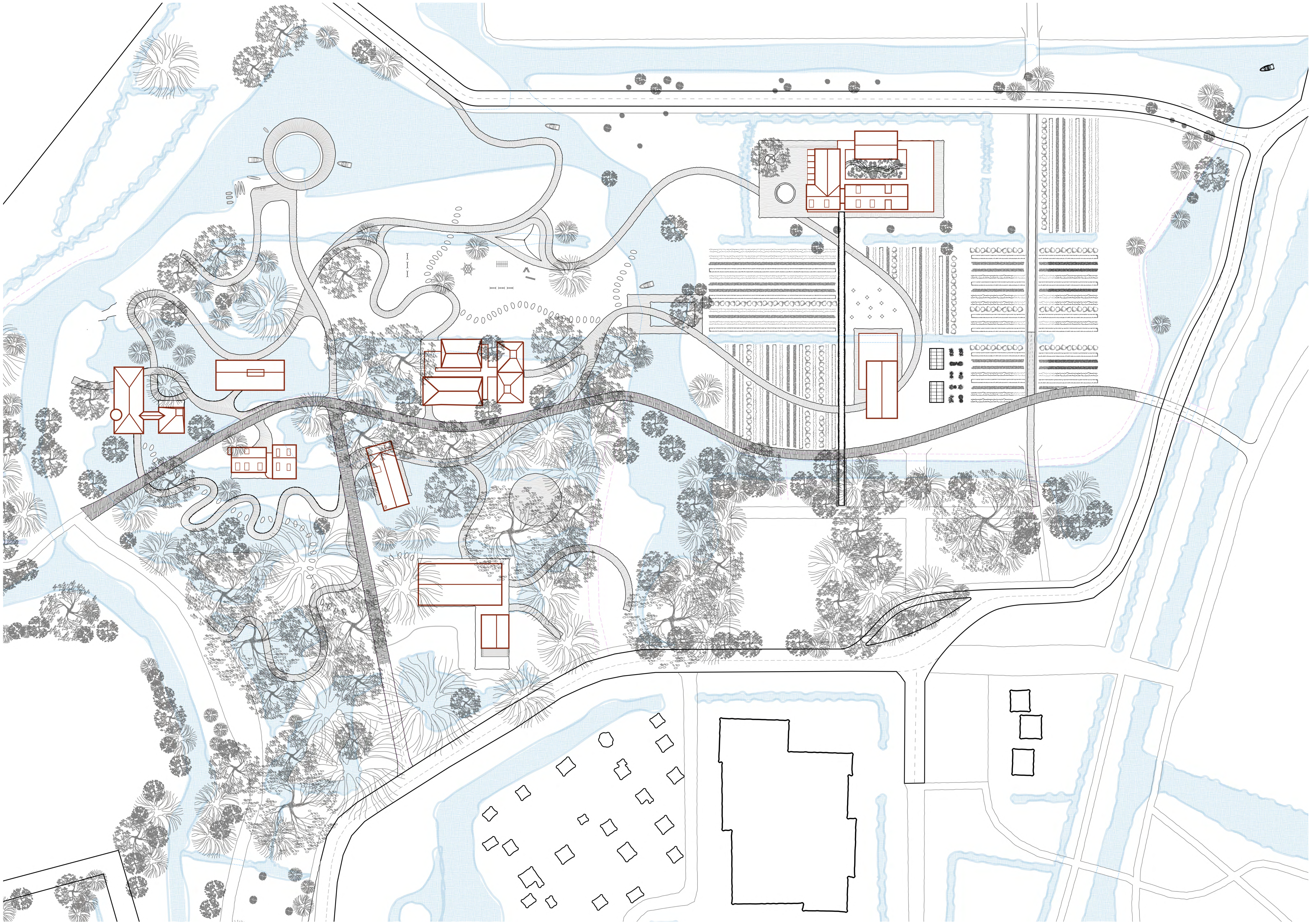
Yoga Studio | Skylight Detail
(1:5)

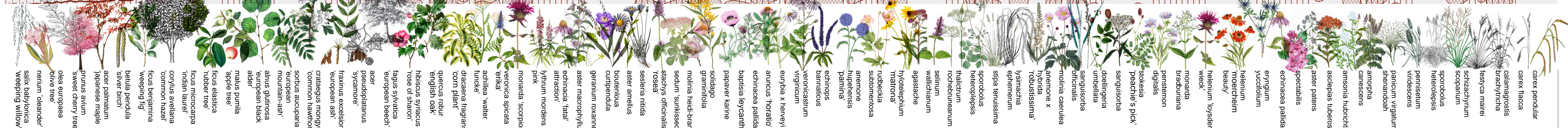


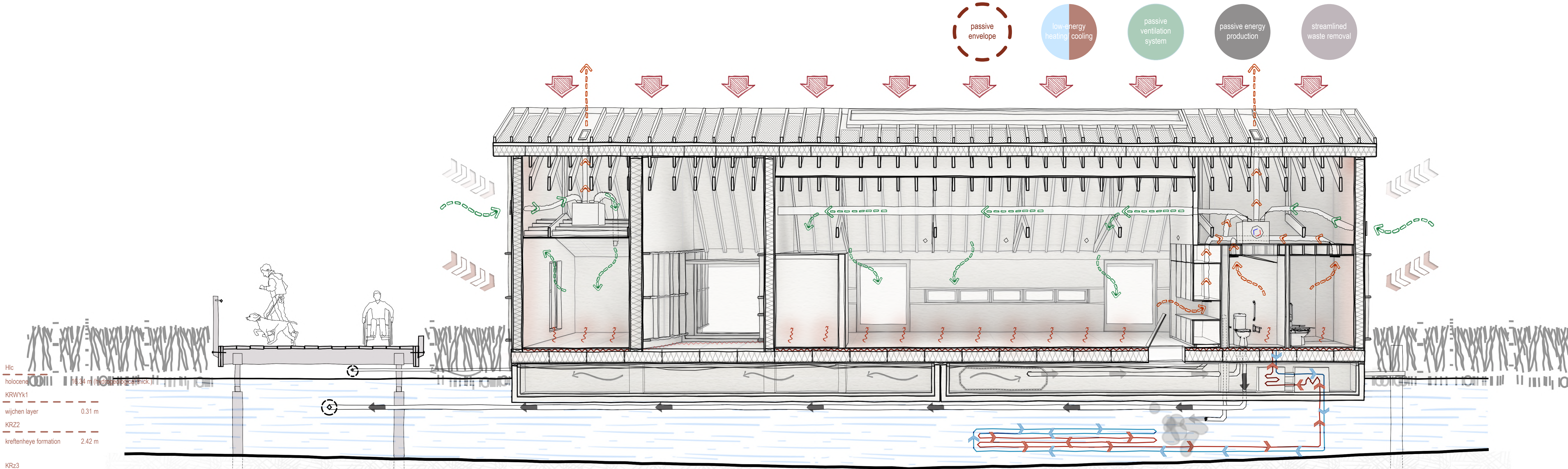
Yoga Studio | Roof to Wall Connection
(1:5)



Yoga Studio | Floor to Foundation Connection, TYP.
(1:5)







Hlc	
holocene	11.34 m (11.34 m thick)
KRWYk1	
wijchen layer	0.31 m
KRZ2	
kreftenheye formation	2.42 m

KRz3	
kreftenheye formation	17.05 m

Wak1	
waalre formation	11.44 m

PWZa2	
peize formation & waalre formation	19.22 m
Wak2	
waalre formation PZWaz3	5.26 m
peize formation & waalre formation	7.51 m

Wak3	
waalre formation MSz1	23.88 m
maassluis formation PZAWz4	0.61 m
peize formation & waalre formation MSk1	2.59 m
maassluis formation MSz2	9.09 m
maassluis formation MSk2	12.40 m
maassluis formation	13.04 m

MSz3	
maassluis formation	41.82 m

MSc	
maassluis formation MSz4	33.21 m
maassluis formation	5.17 m

OOk1	
oosterhout formation	48.76m

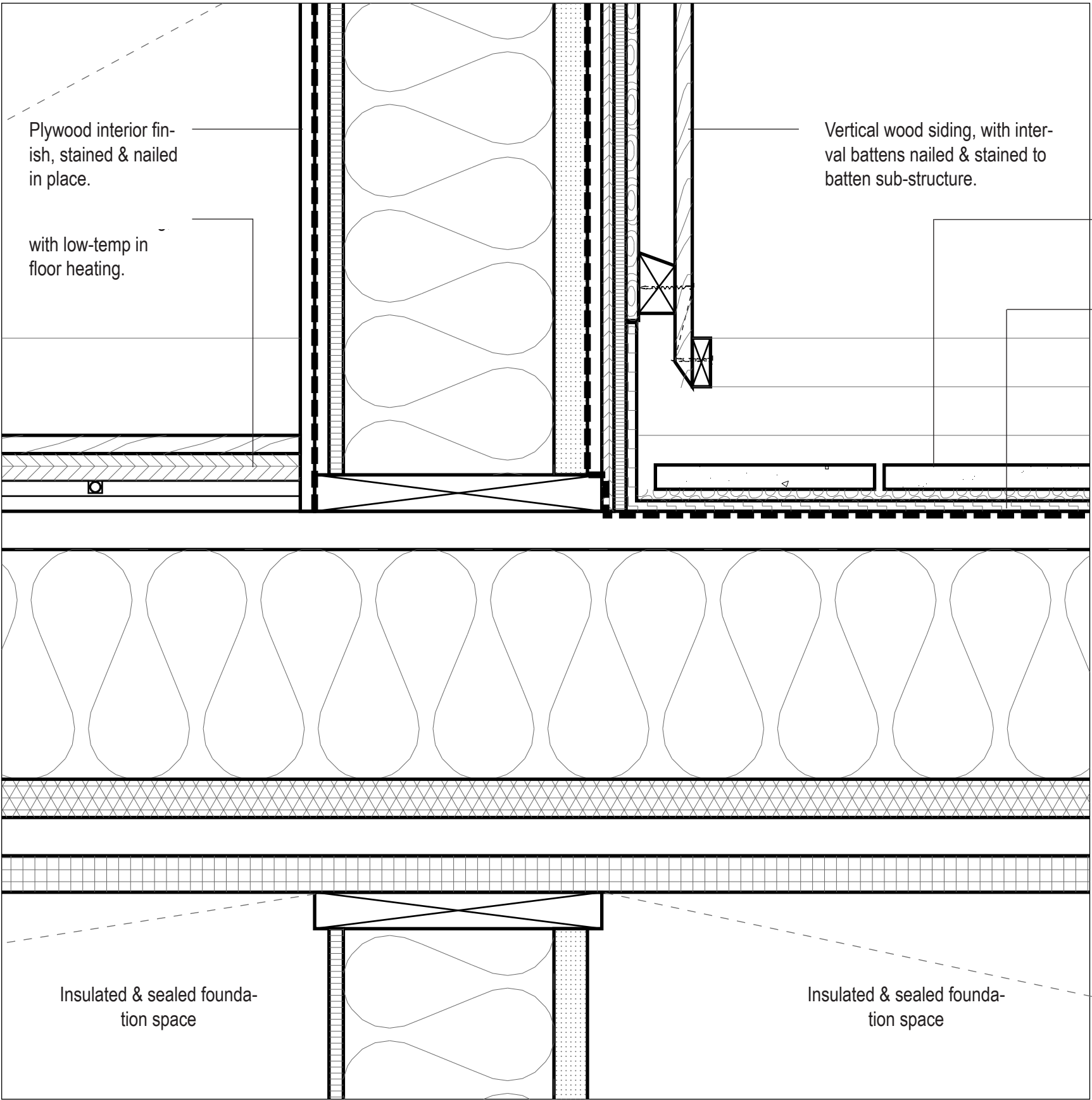
OOz1	
oosterhout formation	26.6 m

OOc1	
oosterhout formation	73.76 m

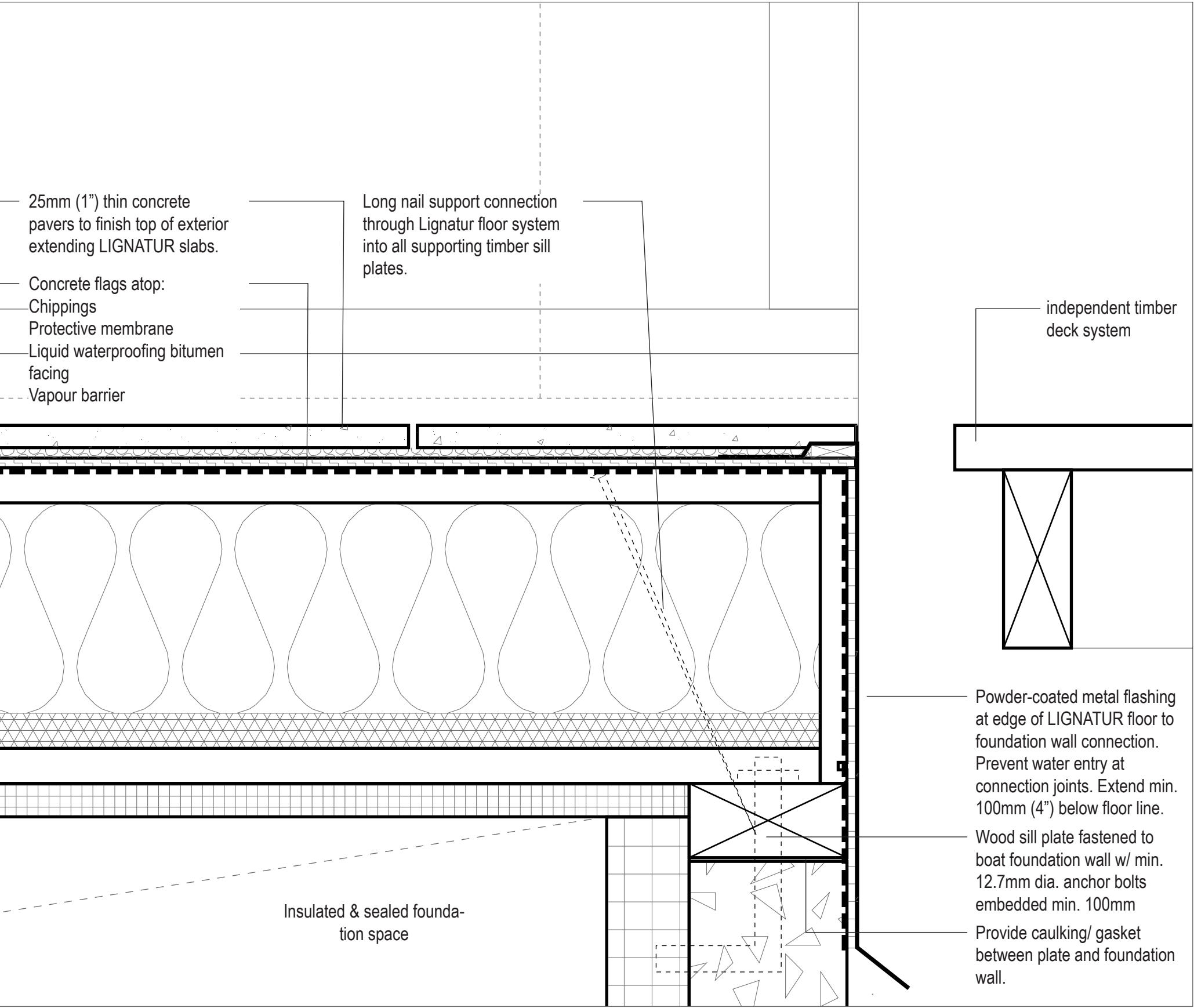
BRk1	
breda formation	30 m



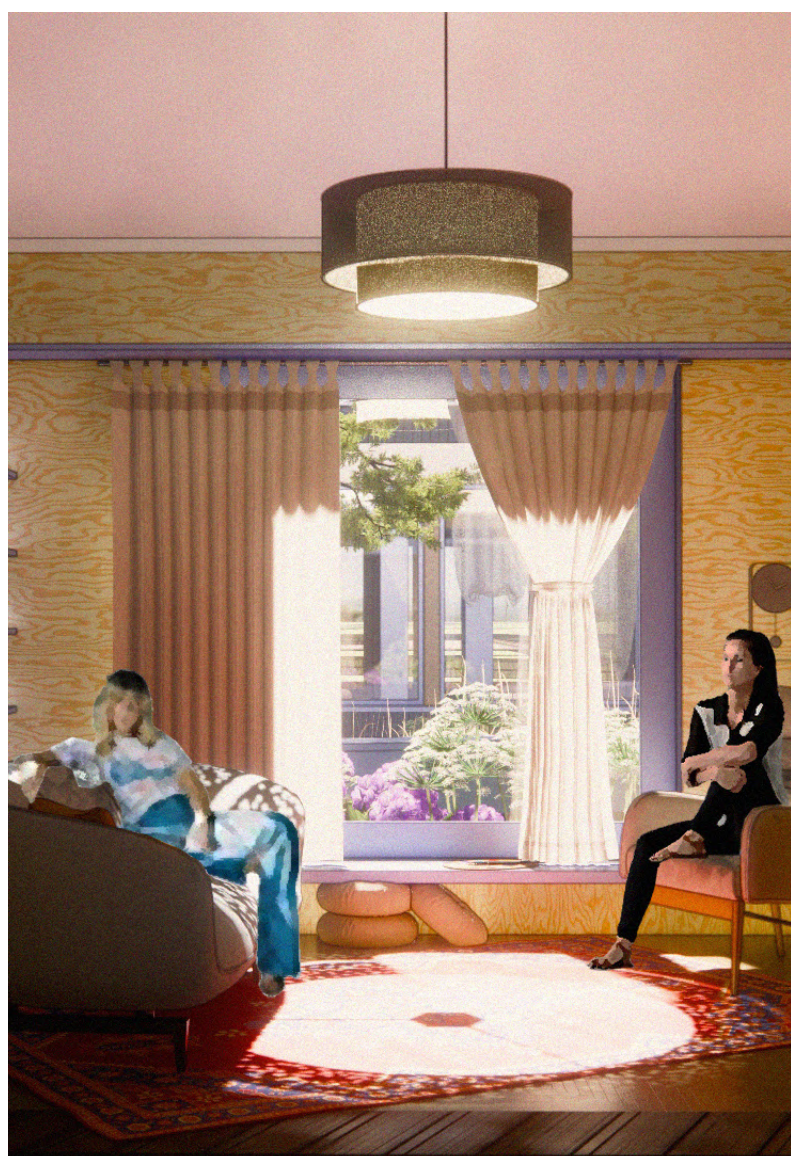
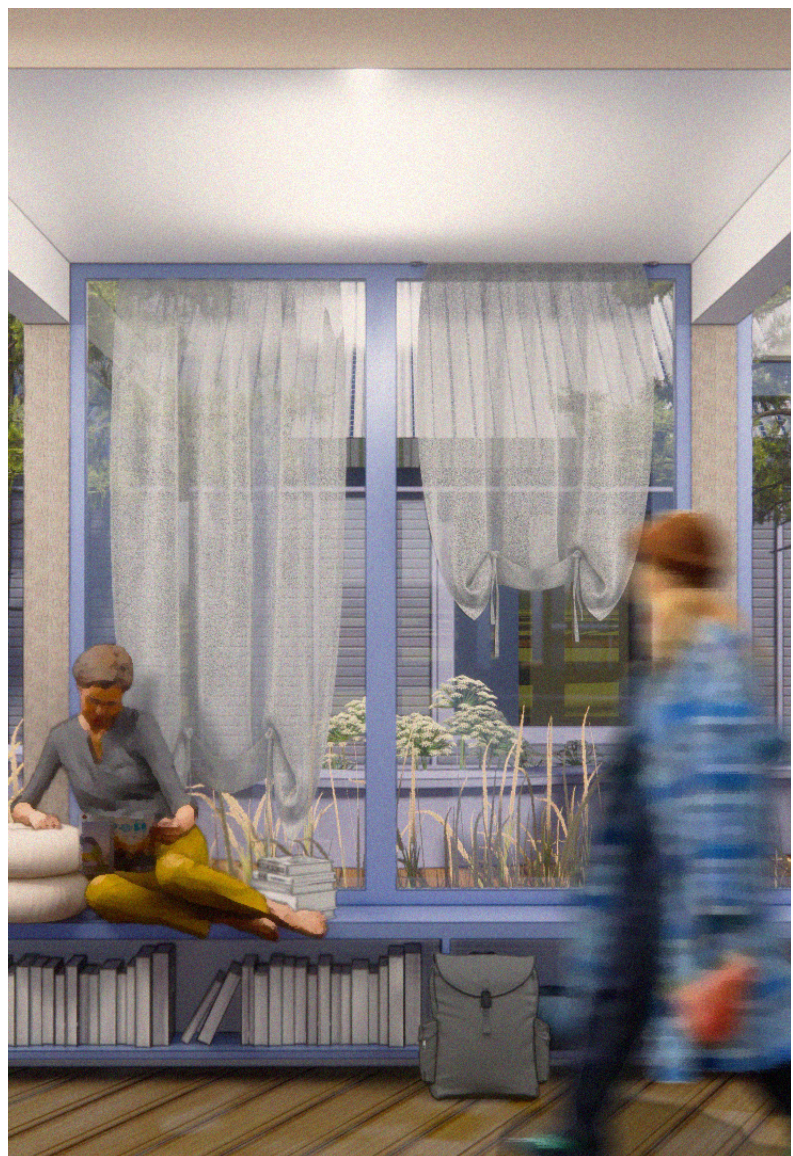
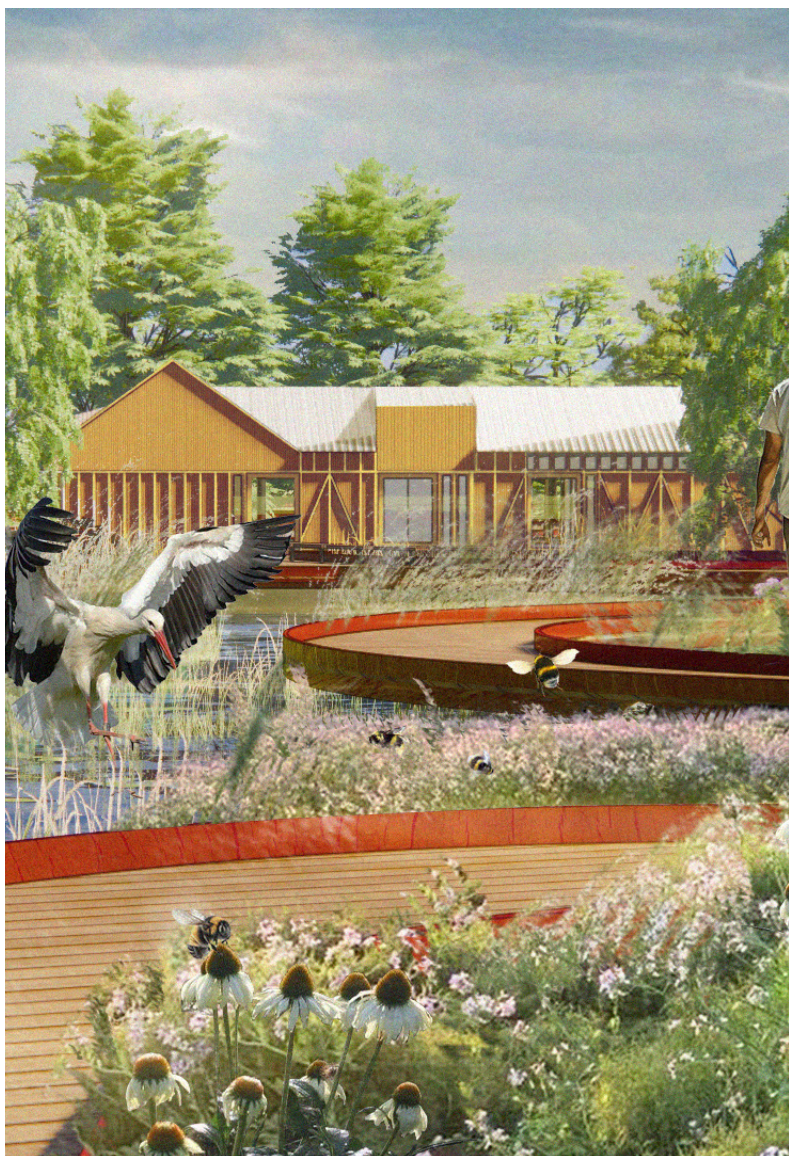
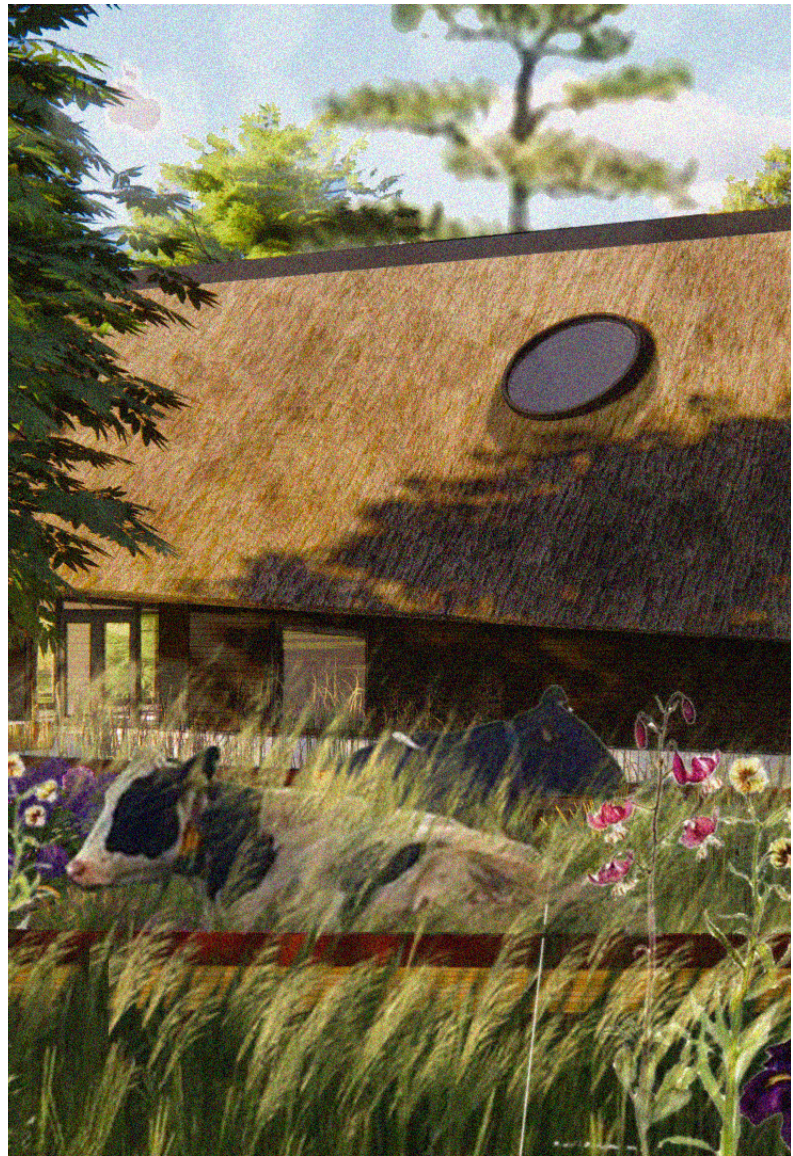
Site Connections | Types & Sizes



Textile Studio | Wall to Floor Connection, North (1:5)



Textile Studio | Floor to Foundation Edge Connection, North (1:5)



buitenhof pavilions
decentralized community care