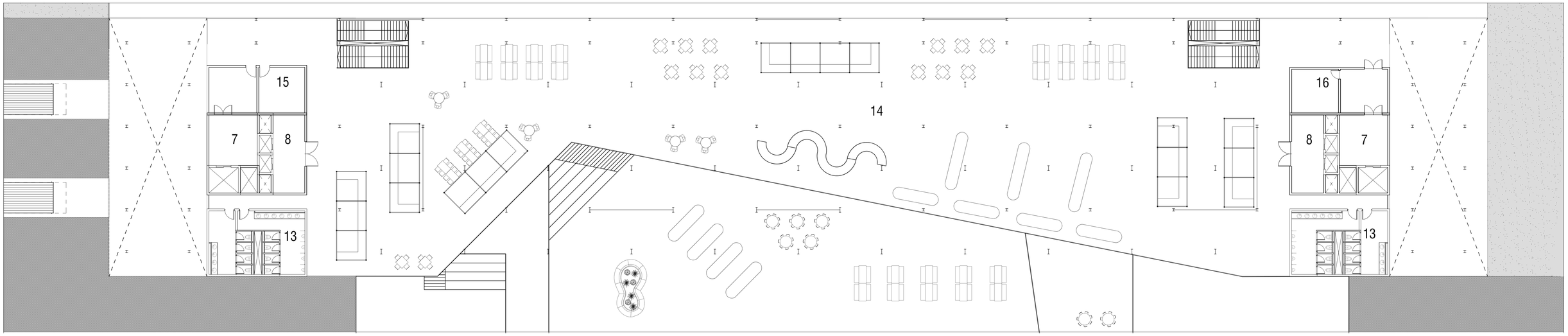
LEGEND

1 - VISITOR PARKING
2 - MARKET GOODS DROP-OFF
3 - PLAZA
4 - UNLOADING ZONE
5 - IT ROOM
6 - LOST AND FOUND
7 - FREIGHT ELEVATOR
8 - PASSENGER ELEVATORS (2)
9 - TOILETS
10 - ADMIN OFFICE
11 - SECOND HAND MARKET
12 - REFURBISHMENT COLLECTION CENTRE
13 - FREIGHT ELEVATOR
14 - PASSENGER ELEVATOR (2)
15 - REFURBISHABLE ITEMS STORAGE
16 - OPEN AIR MARKETPLACE
17 - STEPPED SEATING
18 - GARBAGE DROP-OFF
19 - GARBAGE UNLOADING
20 - TRANSFORMER ROOM
22 - MACHINE REPAIR AND AUXILIARY FUNCTIONS
23 - DUMPING ZONE
24 - WASTE SORING AREA
25 - BALE STORAGE
26 - LOADING ZONE
27 - OPEN CONTAINER STORAGE
28 - WORKER'S LOCKERS, TOILETS AND SHOWERS
29 - TRUCK PARKING
30 - NON RECYCLABLE AND HAZARDOUS WASTE STORAGE
31 - LOADING ZONE
32 - RAMP
33 - FUTURE EXPANSION AREA
34 - RAILWAY TRACKS
35 - WASTE COLLECTION POINT
36 - RAINWATER HARVESTING TANK (UNDERGROUND)

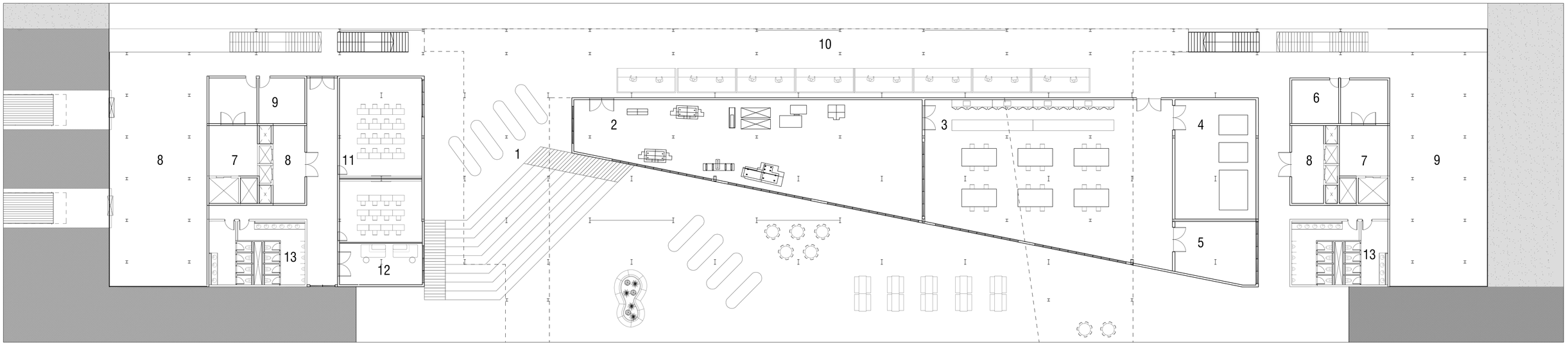
GROUND FLOOR PLAN
1:500

N

0 20m



SECOND FLOOR PLAN
LVL +11M



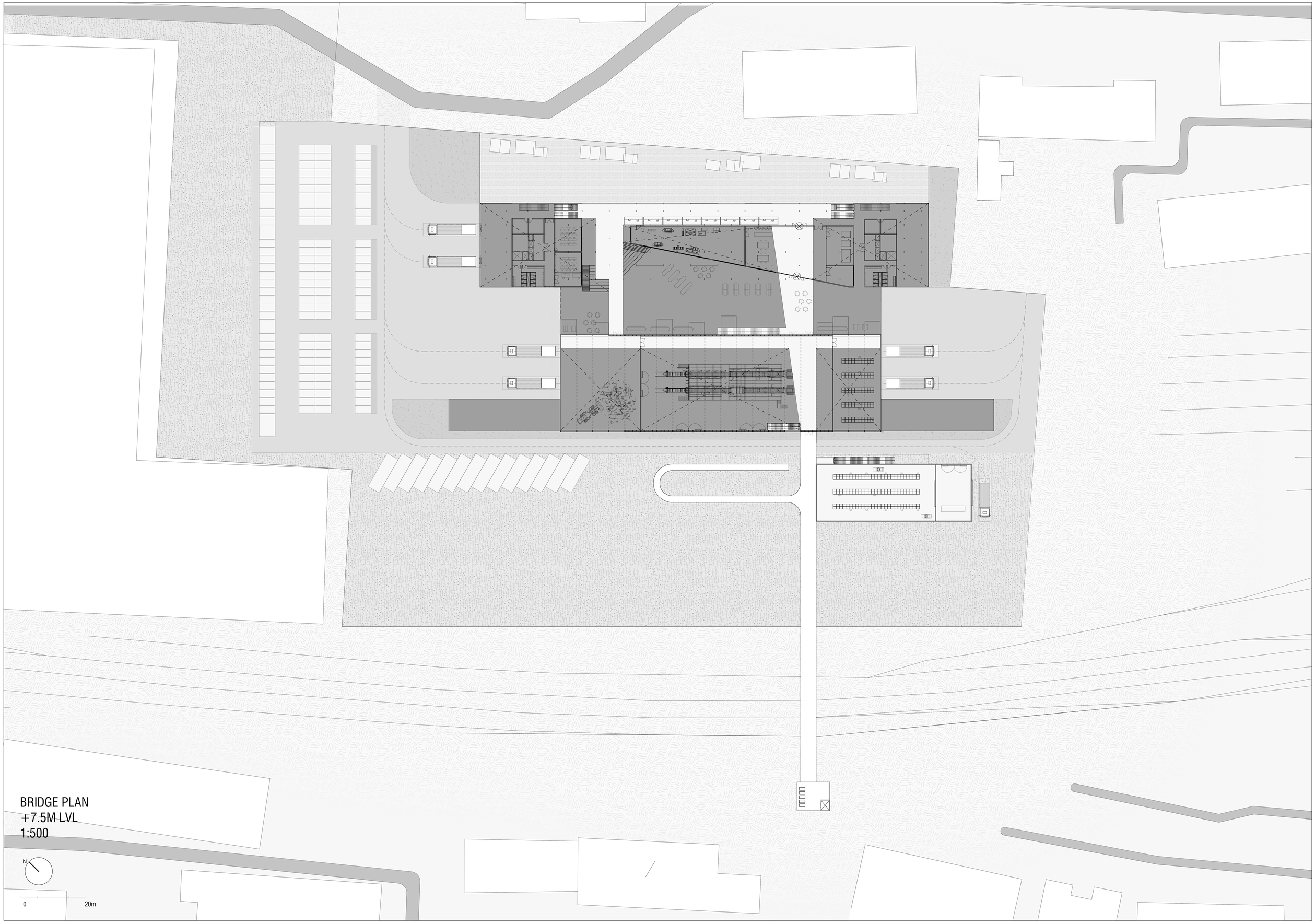
FIRST FLOOR PLAN
LVL +4M

1 - VENDING BAYS
2 - REFURBISHMENT MACHINERY
3 - REFURBISHMENT SPACE
4 - 3D PRINTING & CUTTING EQUIPMENT
5 - SUPPLY ROOM
6 - JANITOR ROOM
7 - FREIGHT ELEVATOR
8 - PASSENGER ELEVATOR
9 - MULTIPURPOSE SPACE
10 - VENDING STATIONS
11 - EDUCATION AND AWARENESS CENTRE
12 - WAITING LOUNGE
13 - TOILETS
14 - OPEN AIR FOOD MARKET
15 - COLD ROOM/STORAGE
16 - COLD ROOM/STORAGE

FLOOR PLANS
1:200

N

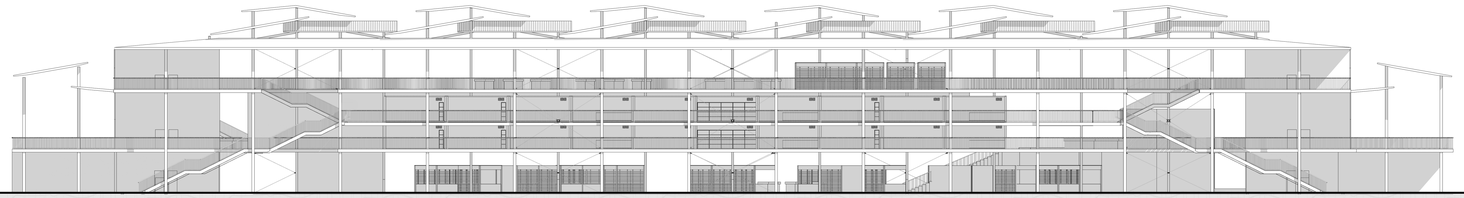
0 10m


BRIDGE PLAN
+7.5M LVL
1:500
N
0
20m

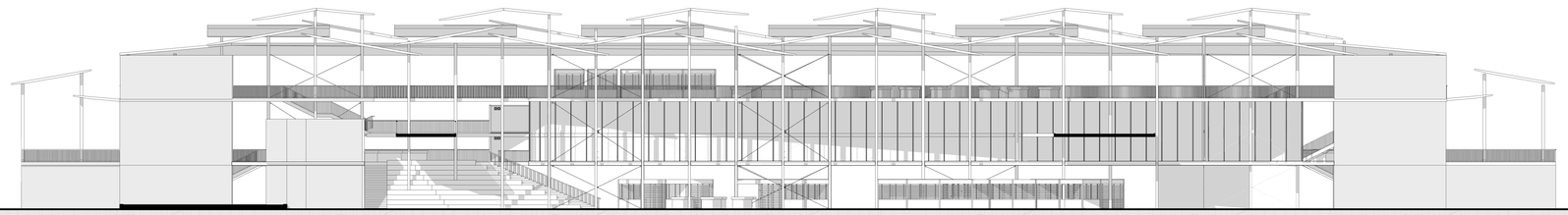
P5 PRESENTATION | SYNERGIES OF TRADE & WASTE

SCALE 1:200

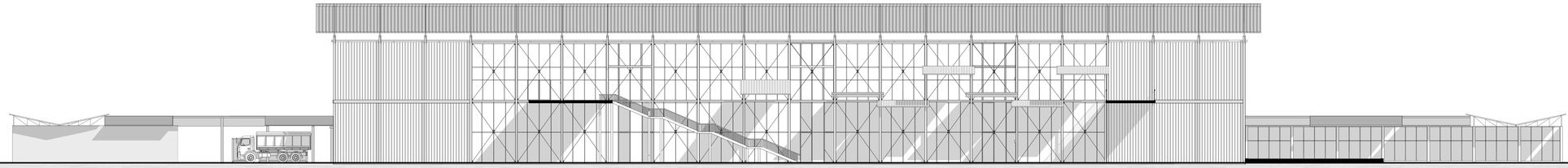
SHRUTI BANGARI | 5956277



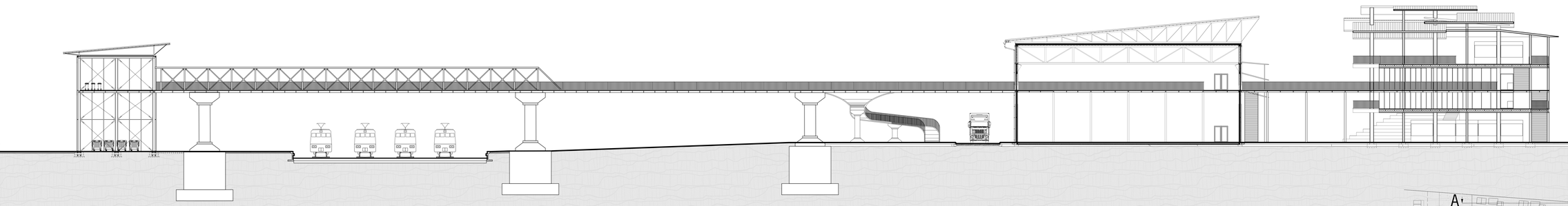
ELEVATION A



ELEVATION B



ELEVATION C



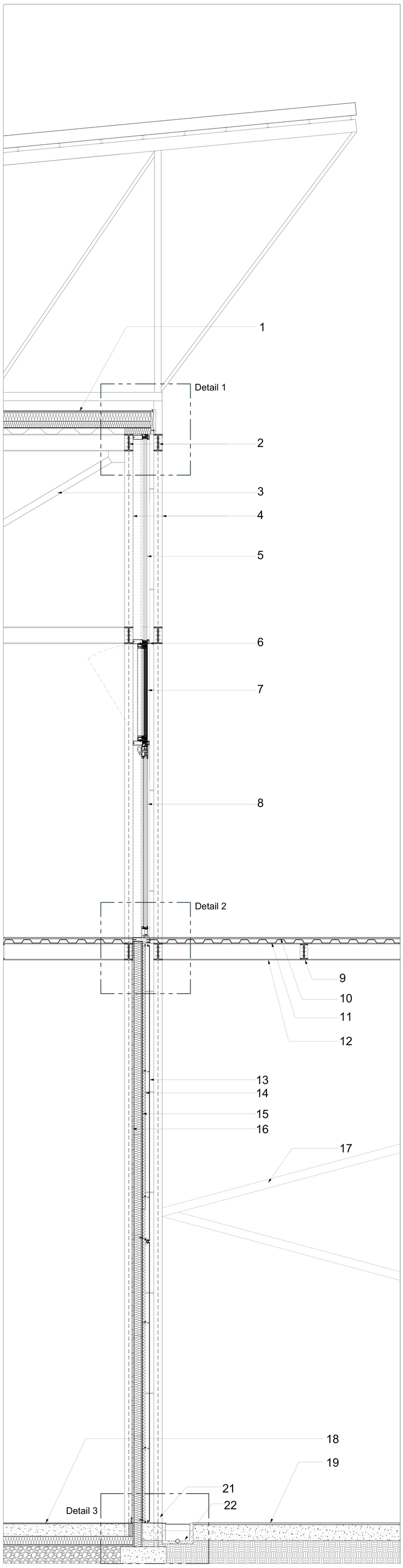
SECTION X-X'

THE ENGINE /FACADE

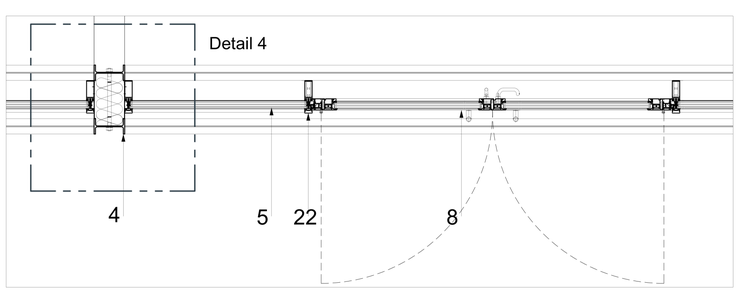
SCALE 1:20

P5 PRESENTATION | SYNERGIES OF TRADE & WASTE

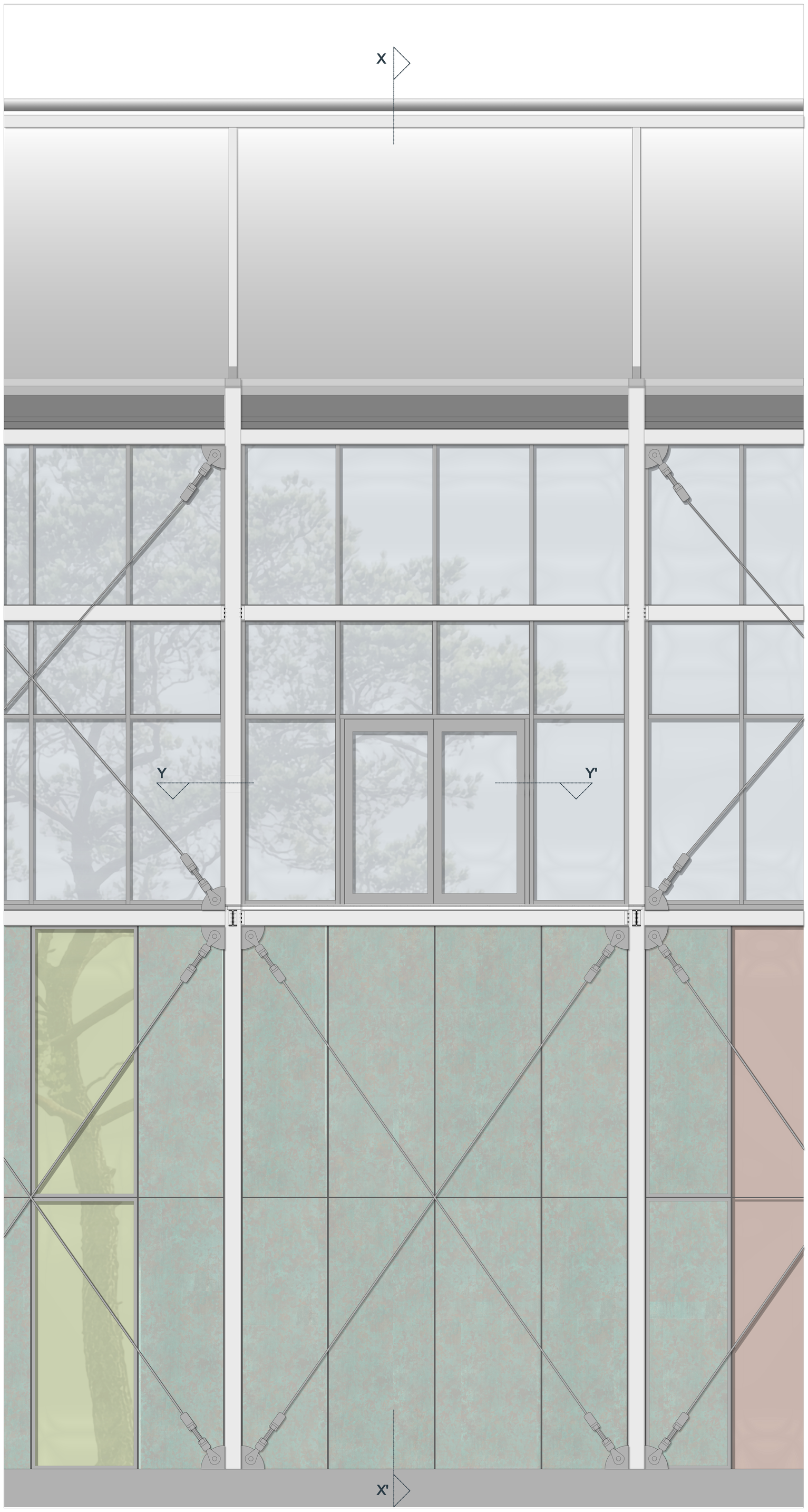
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VERTICAL SECTION XX'



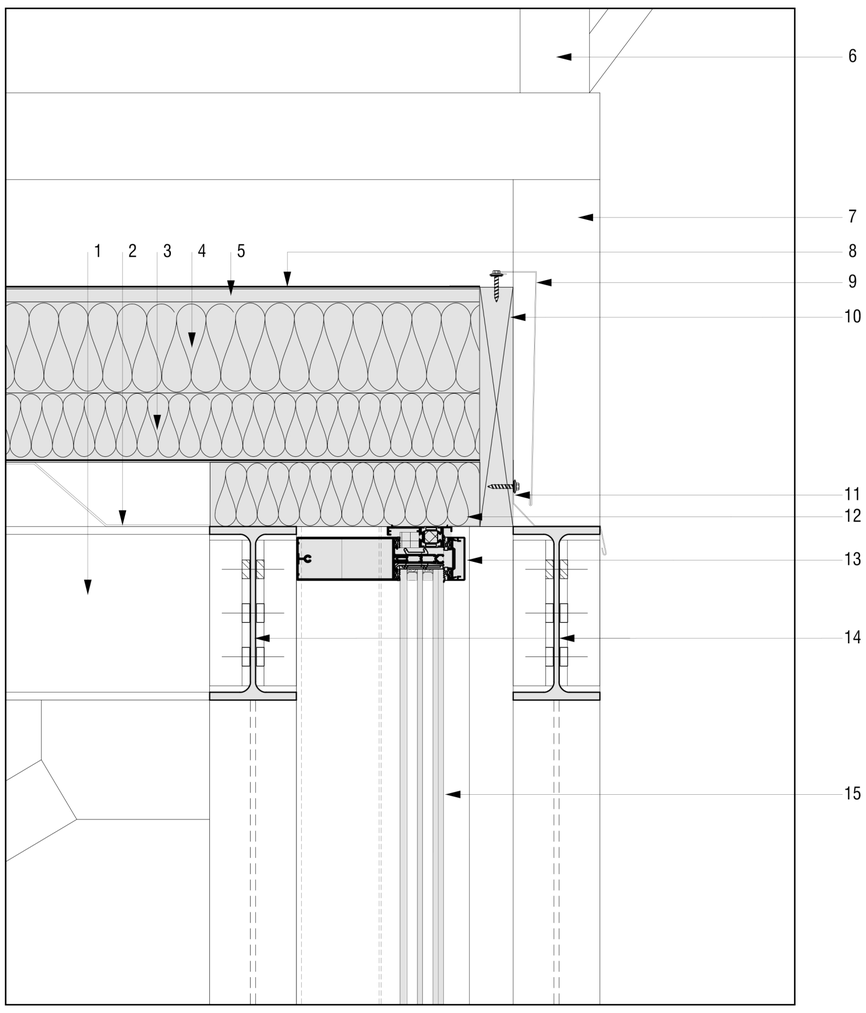
HORIZONTAL SECTION YY'



ELEVATION

1 - PRIMARY ROOF CONSTRUCTION
  6MM THK. METAL ROOF PANEL
  2MM POLYOLEFIN SEALING LAYER
  80MM - 120MM MINERAL WOOL THERMAL INSULATION
  VAPOUR BARRIER LAYER
  RIBBED METAL SHEETING ON TRUSS
2 - IPE 200 TWIN BEAM
3 - STEEL TRUSS
4 - IPE 200 TWIN COLUMNS
5 - TRIPLE GLAZING (8MM +8MM + 12MM TOUGHENED GLASS)
6 - 50MM WIDE ALUMINIUM TRANSOM
7 - TRIPLE GLAZED OPERABLE GLASS WINDOW WITH ALUMINIUM FRAME
8 - TRIPLE GLAZED (6MM MM + 6MM + 6MM THK TOUGHENED GLASS) ALUMINIUM FRAME DOOR
9 - IPE 180 STEEL GIRDER
10 - 6MM THK. CHEQUERED PLATE FLOORING + 20 MM THK. CONCRETE SCREED
11 - CORRUGATED STEEL FLOOR DECKING PLATE
12 - IPE 200 STEEL BEAM
13 - 3350MM X 1300MM PATINATED COPPER METAL FACADE PANEL
14 - EXTERIOR XPS INSULATION LAYER
15 - 20mm THK. FIBREBOARD + 80MM THK. MINERAL WOOL INSULATION
16 - 12MM+12MM FIRE RESISTANT PLASTERBOARD
17 - ROOF STRUCTURES (BEHIND)
18 - 10MM CEMENT SLURRY FLOOR FINISH +150MM CONCRETE SLAB + 100MM XTRATHERM FLOOR INSULATION + DAMP PROOF COURSE + 25MM SAND BLINDING + COMPACTED EARTH
19 - 20MM THK. NATURAL STONE PAVERS + 150MM CONCRETE SLAB
20 - CONCRETE STORM WATER GUTTER
21 - CONCRETE FOUNDATION BLOCK
22 - 50MM WIDE ALUMINIUM MULLION

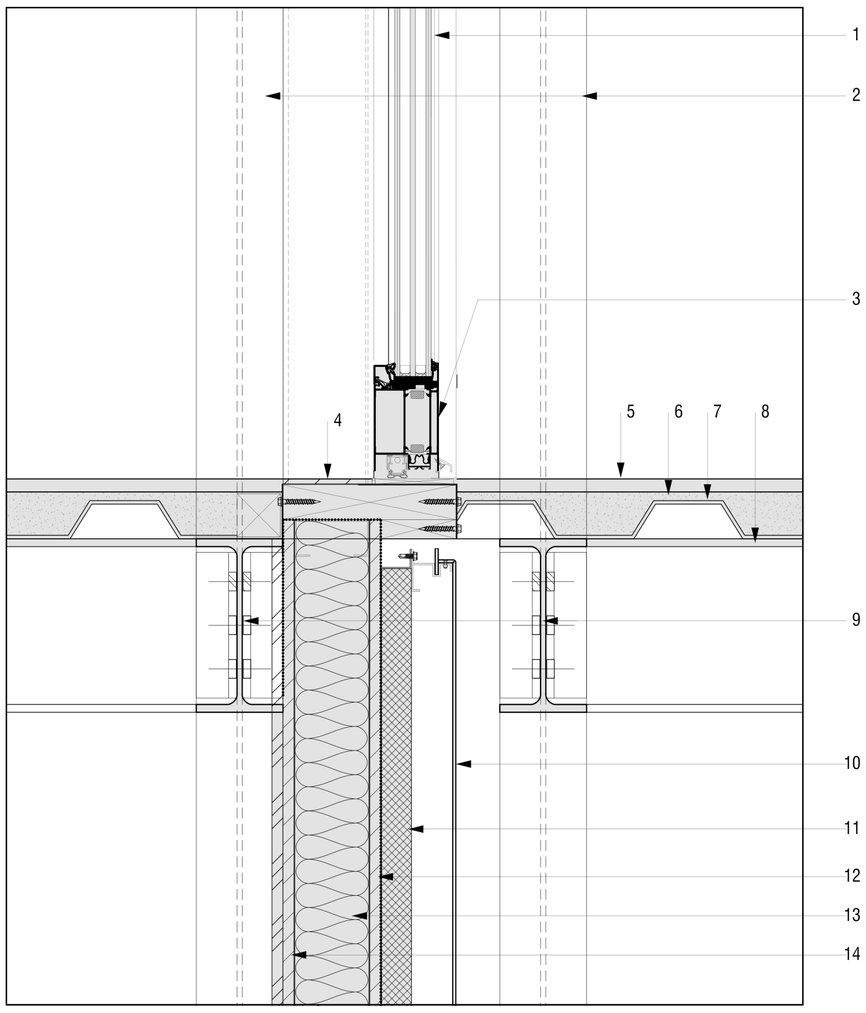
FACADE DETAILS [THE ENGINE]



1 - PRIMARY ROOF TRUSS
2 - CORRUGATED METAL SHEETING
3 - VAPOUR BARRIER LAYER
+80 MM THK. MINERAL WOOL INSULATION
4 - 120MM THK. MINERAL WOOL INSULATION
5 - METAL ROOF SHEET
6 - SECONDARY ROOF TRUSS
7 - IPE 200 STEEL COLUMN (BEHIND)
8 - 2MM POLYOLEFIN SEALING LAYER
9 - ALUMINIUM FLASHING
10 - WOODEN BLOCKING
11 - ALUMINIUM DRIP EDGE FLASHING
12 - 80MM THK MINERAL WOOL INSULATION
13 - 50MM WIDE TRANSOM CAP
14 - IPE 200 TWIN BEAMS
15 - TRIPLE GLAZING (8MM + 8MM + 12MM TOUGHENED GLASS)

FACADE DETAIL 1

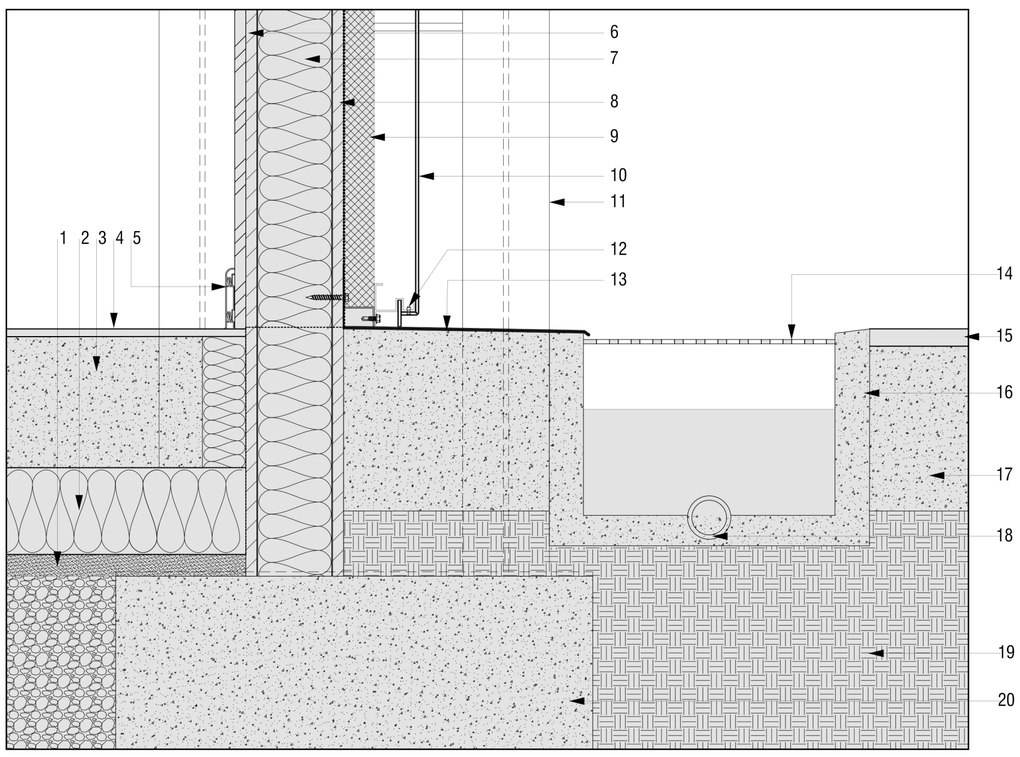
SCALE 1:5



1 - TRIPLE GLAZING (8MM + 8MM + 12MM TOUGHENED GLASS)
2 - IPE 200 STEEL TWIN COLUMNS
3 - ALUMINIUM DOOR FRAME
4 - VINYL FINISH THRESHOLD
5 - CHEQUERED PLATE FLOOR FINISH
6 - 20MM CEMENT SCREED
7 - CORRUGATED STEEL FLOOR DECKING PLATE
8 - IPE 200 STEEL BEAM
9 - IPE 200 STEEL TWIN BEAMS
10 - 3350X1300MM PATINATED COPPER FACADE PANEL
11 - EXTERIOR XPS INSULATION
12 - 20MM THK. SHEATHING BOARD
13 - 80MM THK. MINERAL WOOL INSULATION
14 - 2X 20MM THK. FIRE RESISTANT PLASTERBOARD

FACADE DETAIL 2

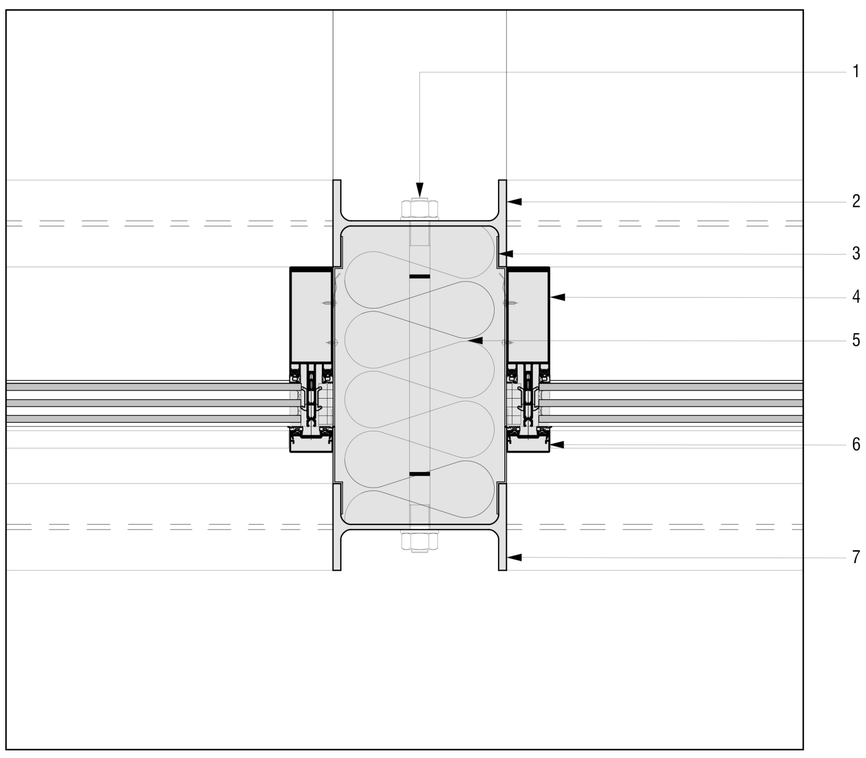
SCALE 1:5



1 - 25MM SAND BLINDING
2 - 100MM XTRATHERM FLOOR INSULATION + DAMP PROOF COURSE LAYER
3 - 150MM CONCRETE SLAB
4 - 10MM CEMENT SLURRY FLOOR FINISH
5 - 75MM ALUMINIUM SKIRTING
6 - 2X 20MM THK FIRE RESISTANT PLASTERBOARD
7 - 80MM THK. MINERAL WOOL INSULATION
8 - 20MM THK. FIBREBOARD
9 - EXTERIOR XPS INSULATION
10 - PATINATED COPPER FACADE PANEL
11 - IPE 200 TWIN COLUMN (BEHUND)
12 - FACADE PANEL CONNECTOR
13 - ALUMINIUM DRIP EDGE FLASHING
14 - STEEL GRATING
15 - 20MM THK. NATURAL STONE PAVERS
16 - CONCRETE STORM WATER GUTTER
17 - 150MM CONCRETE SLAB
18 - 50 MM DIA. STORM WATER PIPE
19 - COMPACTED EARTH
20 - CONCRETE FOUNDATION BLOCK

FACADE DETAIL 3

SCALE 1:5

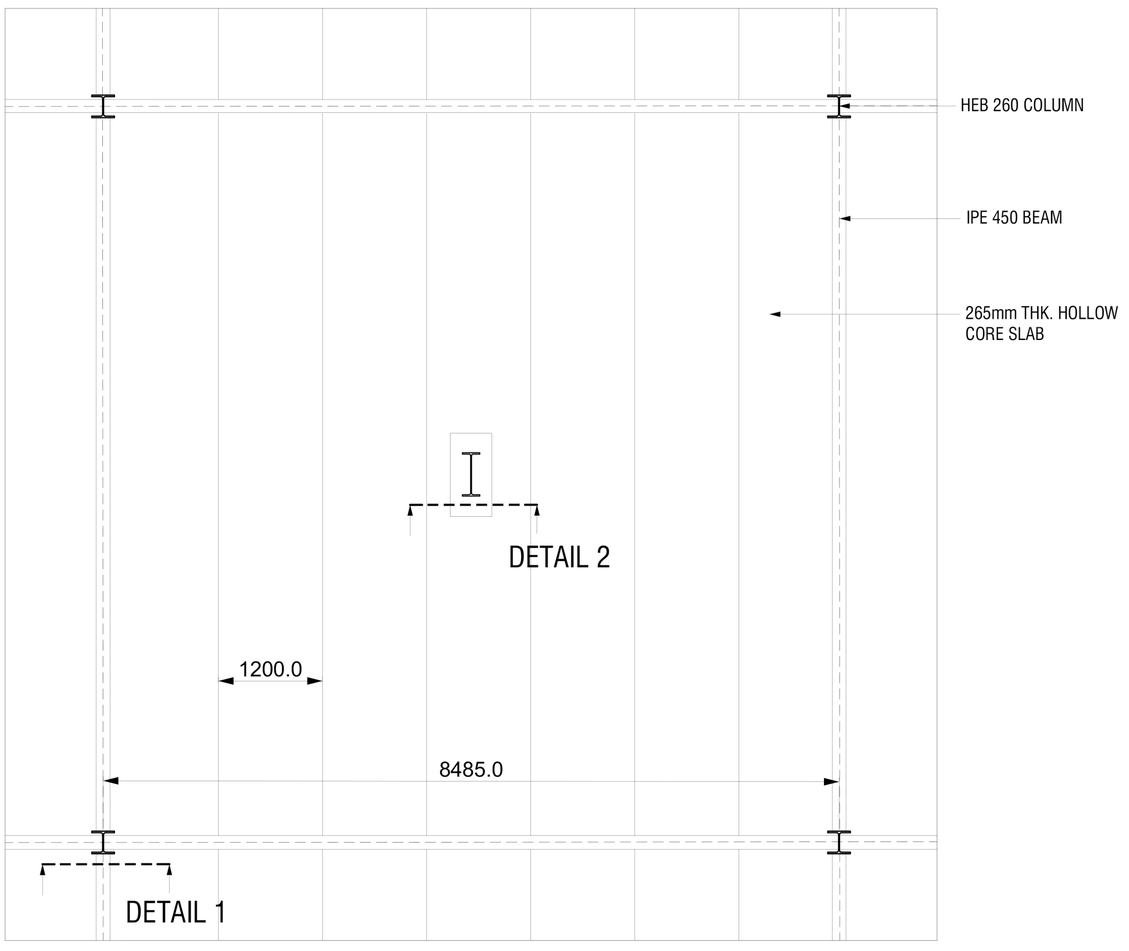


1 - BOLT CONNECTOR
2 - IPE 200 TWIN COLUMN
3 - ALUMINUM SECTION
4 - 50MM WIDE ALUMINIUM MULLION
5 - 200MM THK. MINERAL WOOL INSULATION
6 - 50 MM WIDE ALUMINIUM MULLION CAP
7 - IPE 200 TWIN COLUMN

FACADE DETAIL 2

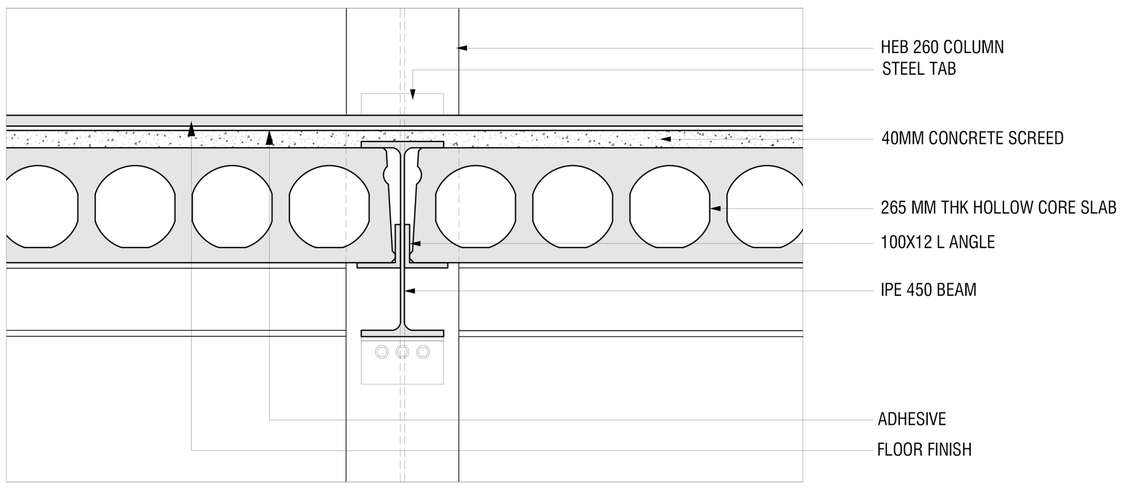
SCALE 1:5

FLOOR SLAB DETAILS [THE HIVE]



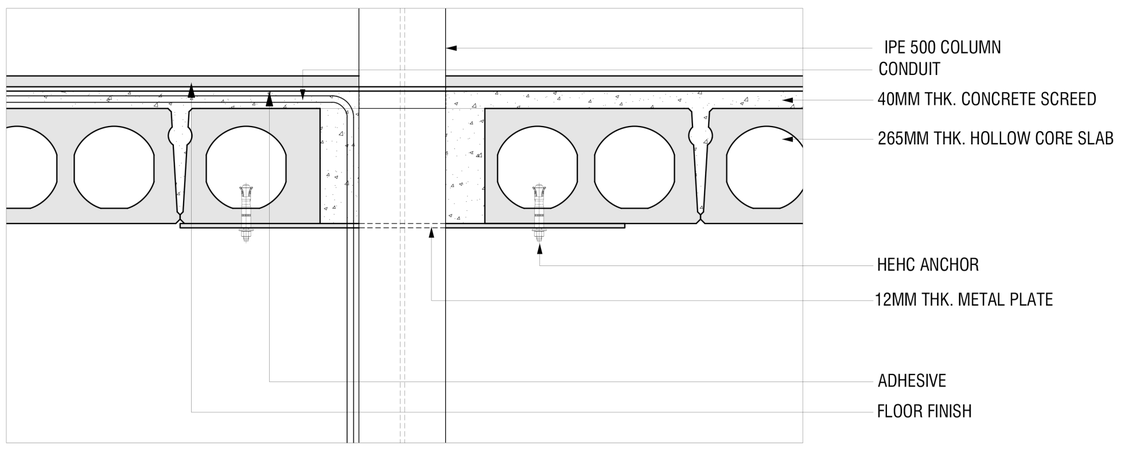
FLOOR SLAB DETAIL - PLAN

SCALE 1:50



FLOOR SLAB DETAIL 1

SCALE 1:10



FLOOR SLAB DETAIL 2

SCALE 1:10