THE MIGRATION OF ENERGY

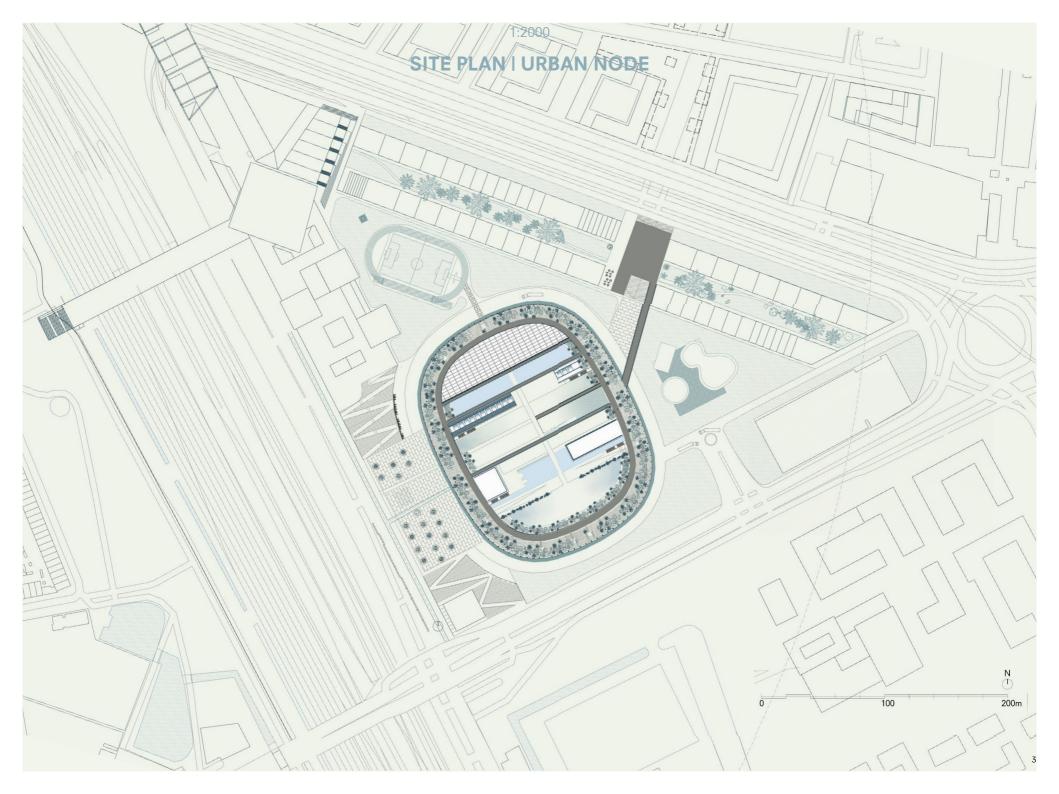
DRAWING SET

Fola-sade Victoria Oshinusi

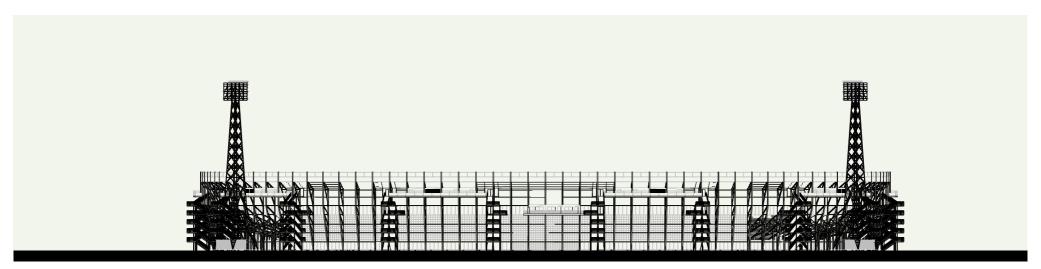


FEIJENPOORT GROUP SITE PLAN

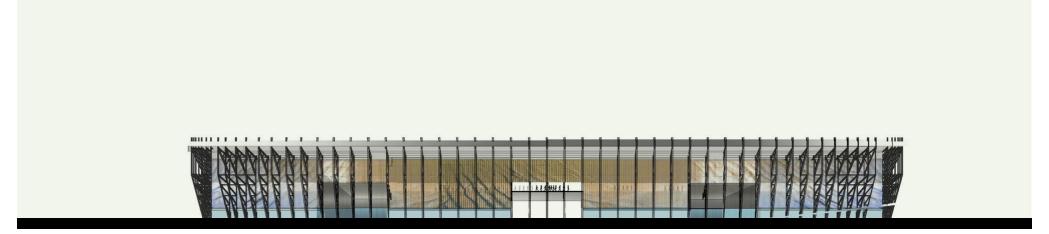




MAIN ENTRANCE | WEST ELEVATION

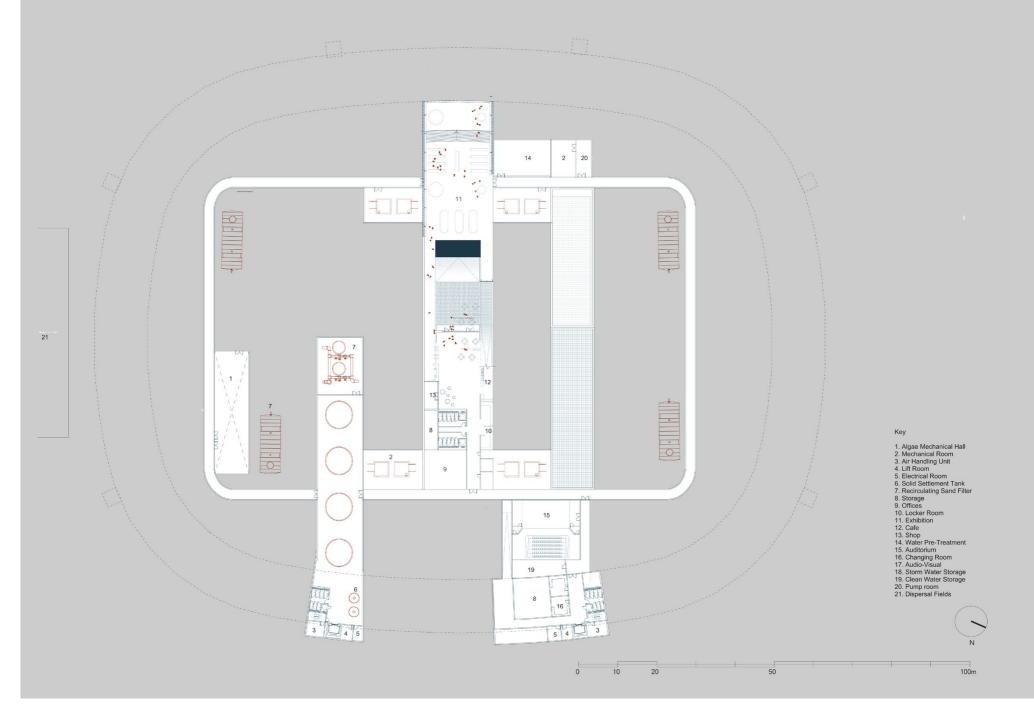


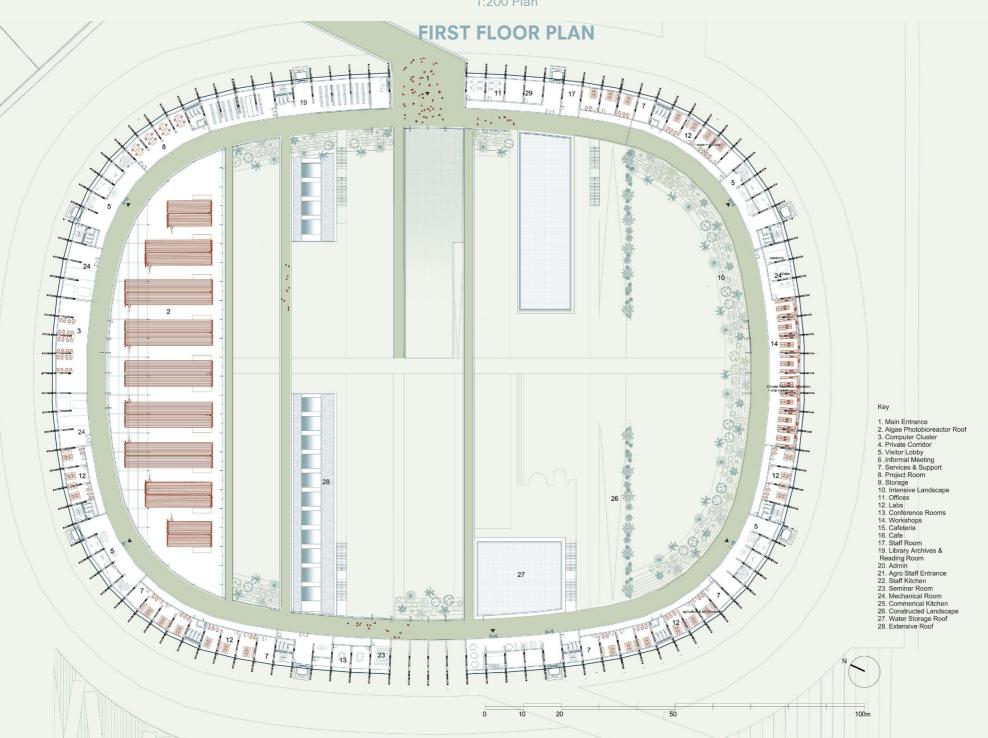
BEFORE

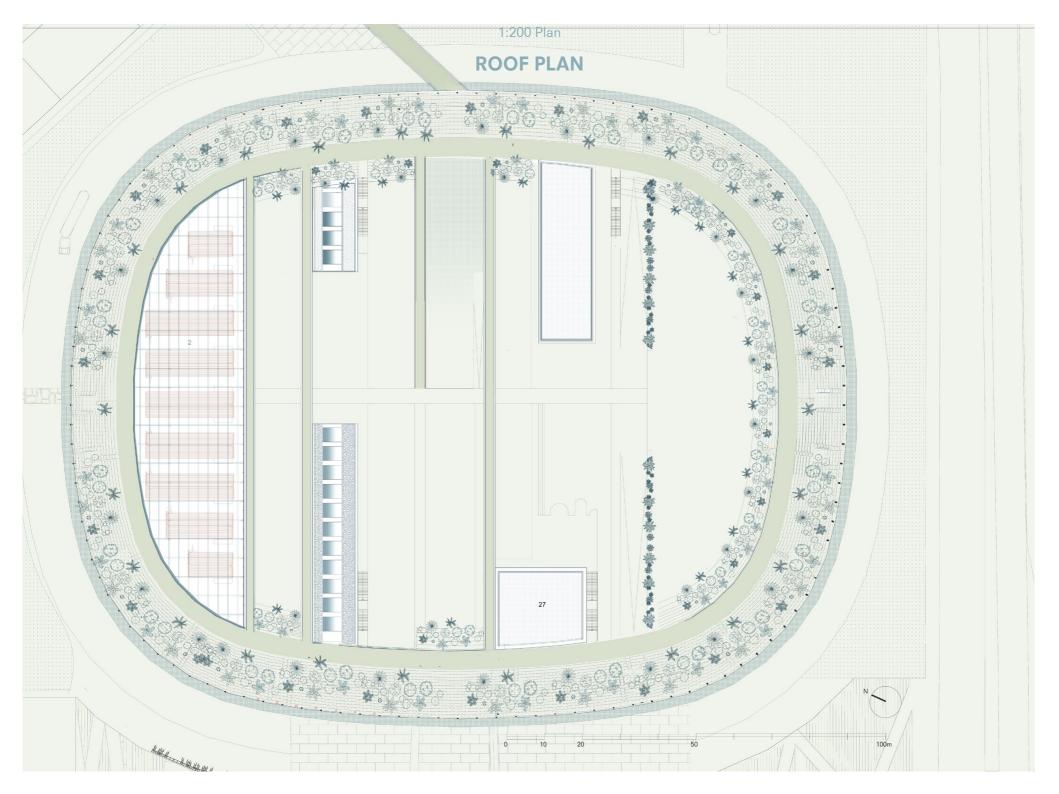


AFTER

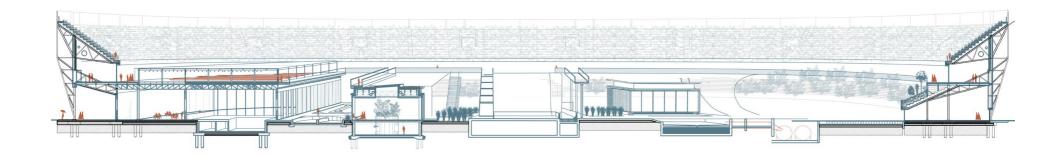
BASEMENT PLAN



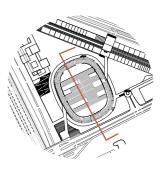




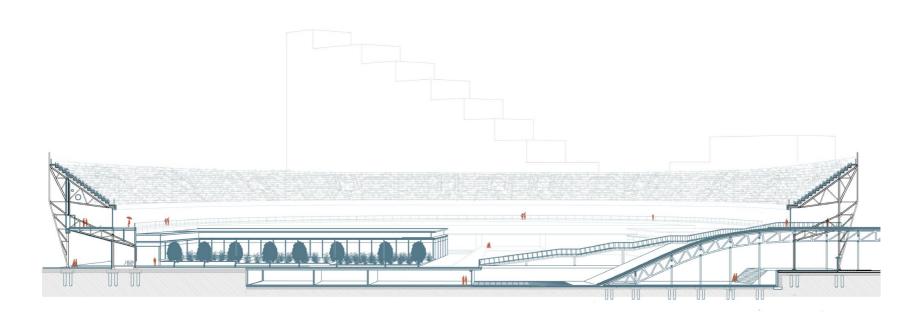
LONG SECTION | NORTH - SOUTH



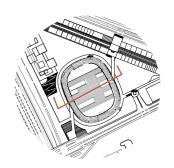




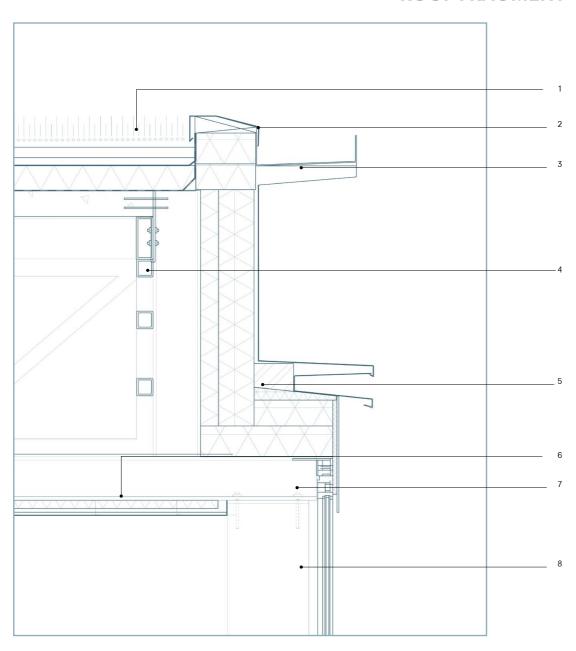
SHORT SECTION, WEST-EAST







ROOF FRAGMENT

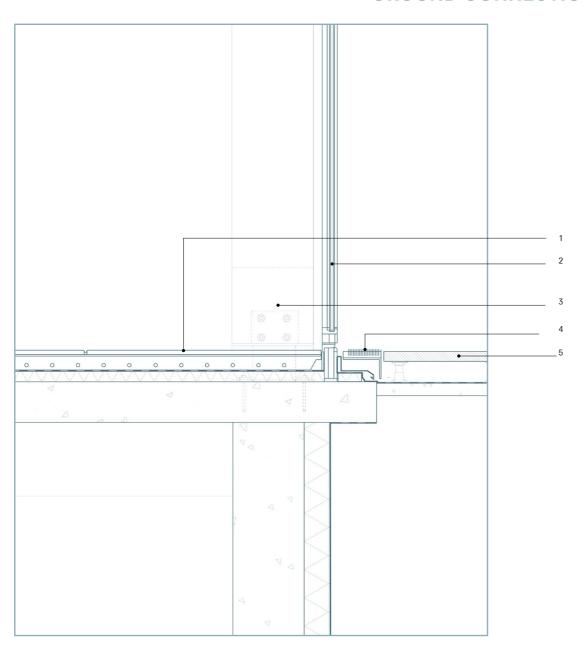


1 Extensive Green Roof
Planting
120mm Substrate on filter mat
40mm drainage layer
Waterproof membrane 160mm thermal insulation Trapezoid profile with concrete topping

- 2 Aluminium Parapet Capping with plywood support
- 3 3mm Folded Aluminium Drainage Channel
- 4 Steel Rectangular Beam 1200mm Square Profile Steel Truss
- 5 Aluminium Cladding Ventilation Cavity Thermal Insulation
- 6 Insulated Suspended Ceiling
- 7 Steel I Beam
- 8 500 x 350mm Glue-lam timber column



GROUND CONNECTION



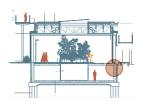
1 Flooring

Ceramic Tile
Cement screed with underfloor
heating
Vapour Barrier
Rigid Foam thermal Insulation
Precast concrete slab

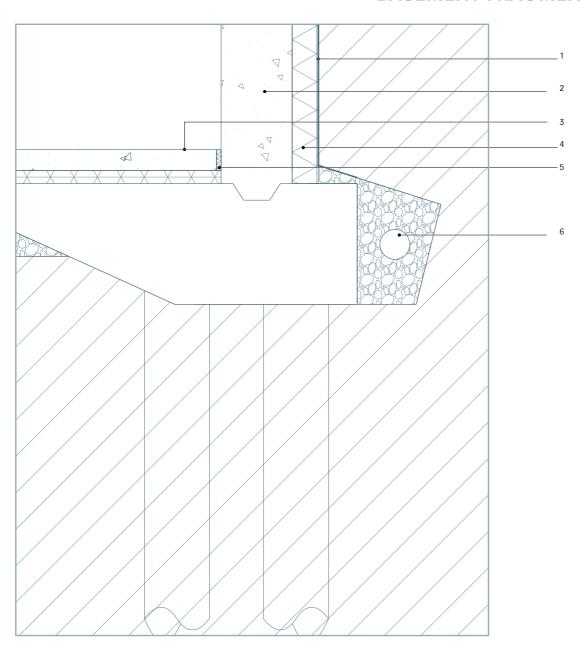
- 2 Insulating glazing in aluminium frame
- 3 500 x 350mm Glue lam timber column with bolted steel baseplate
- 4 Stainless steel grating

5 Patio

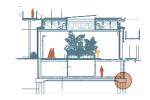
Pre-fabricated concrete tiles with support pedestals Waterproof membrane Levelling mortar



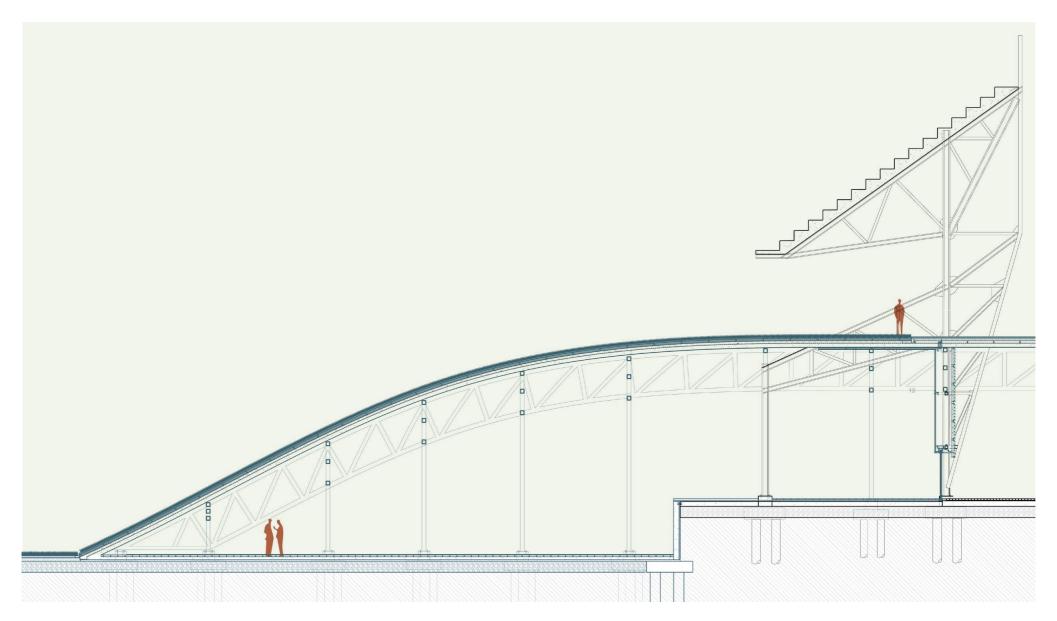
BASEMENT FRAGMENT



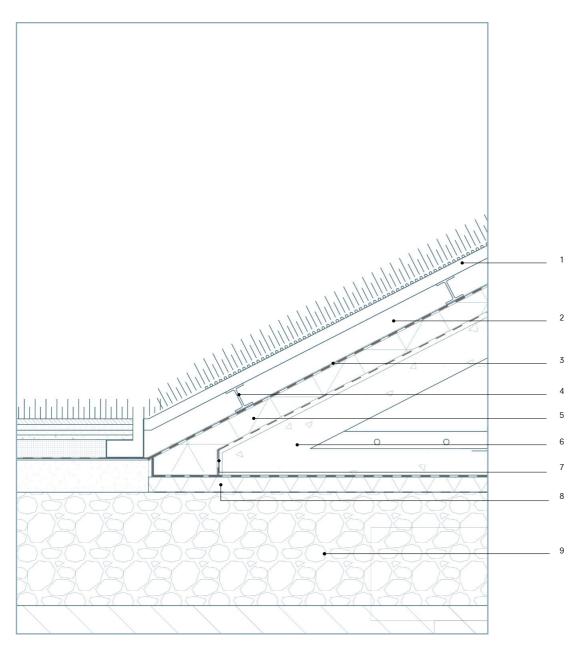
- 1 Waterproof membrane
- 2 Concrete Foundation Wall
- 3 Concrete slab Rigid Insulation Concrete Footing Granular Fill
- 4 Rigid Thermal Insulation
- 5 Rigid Insulation Isolation Joint
- 6 Drainpipe in coarse gravel granular backfill



CONSTRUCTED LANDSCAPE

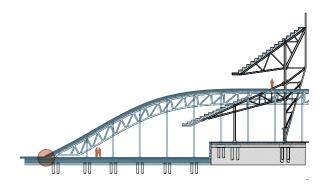


CONSTRUCTED LANDSCAPE

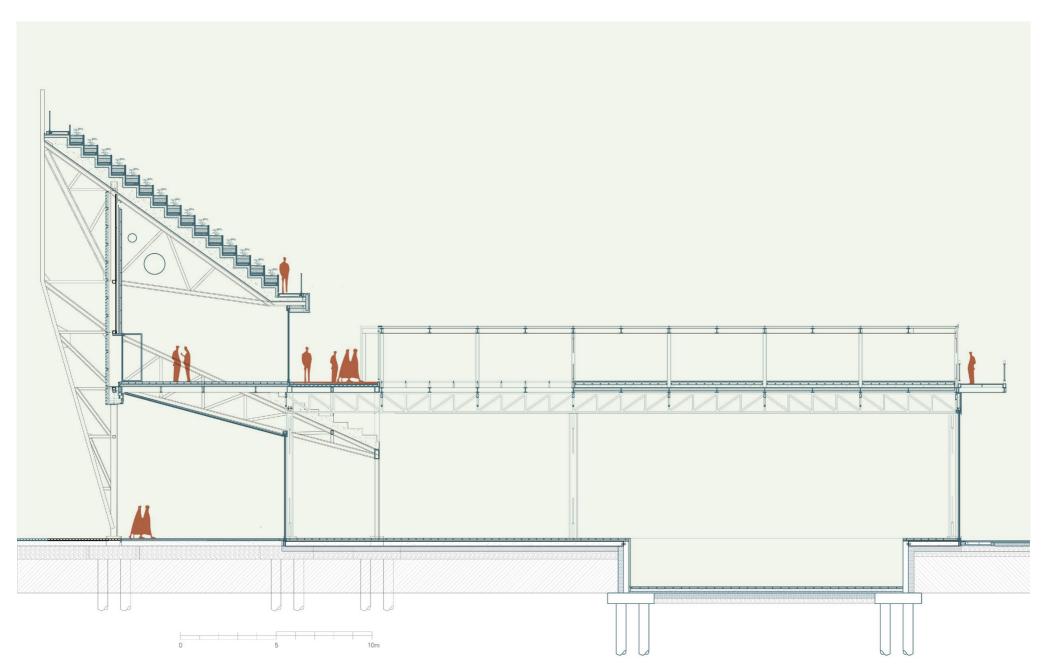


Extensive Sloping Lawn

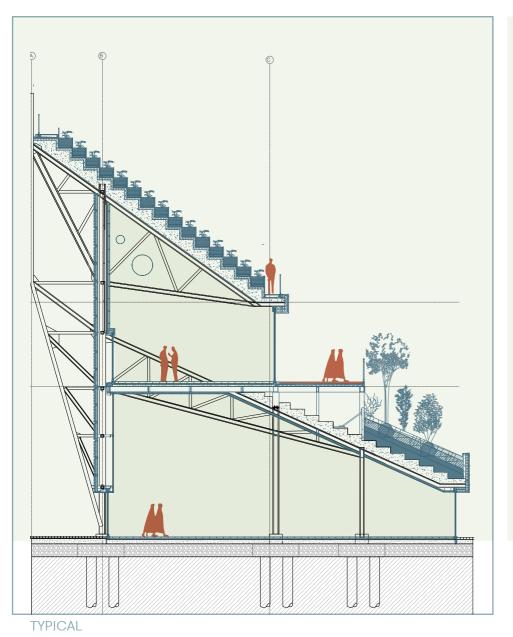
- 1 Vegetation Mat
- 2 Extensive Substrate
- 3 Drainage Mat
- 4 Anti-Slippage Structure
- 5 Thermal Insulation
- 6 Reinforced Concrete
- 7 Vapour Seal
- 8 Thermal Rigid Insulation
- 9 Granular Fill

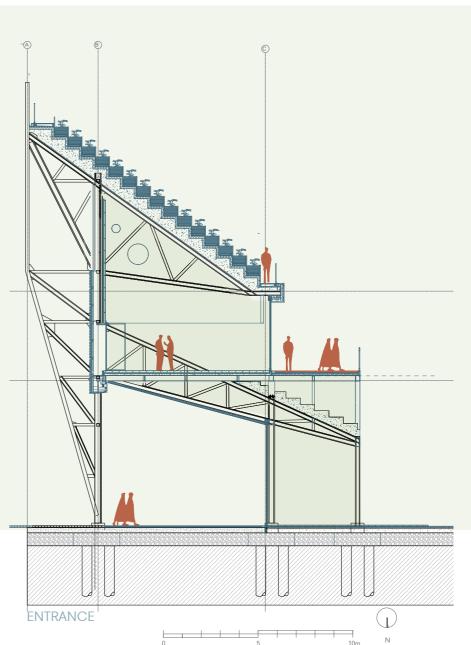


ALGAE MECHANICAL HALL

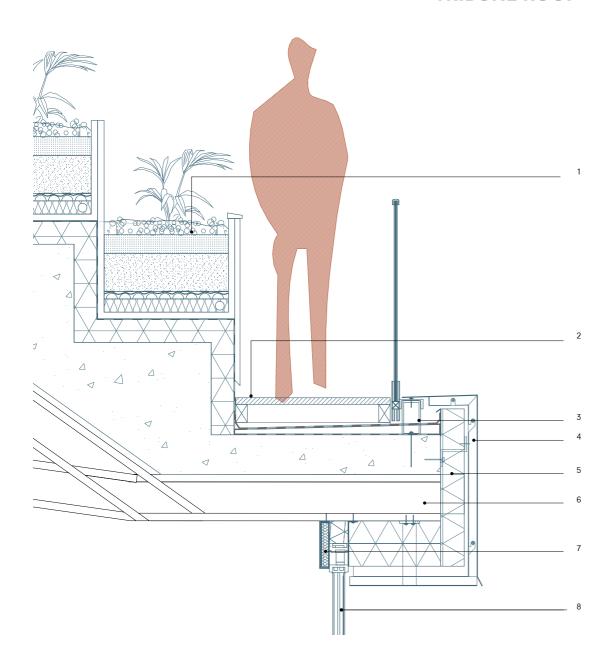


TYPICAL SECTION VS ENTRANCE





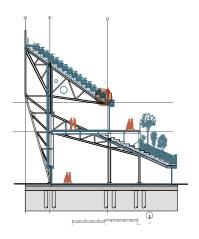
TRIBUNE ROOF



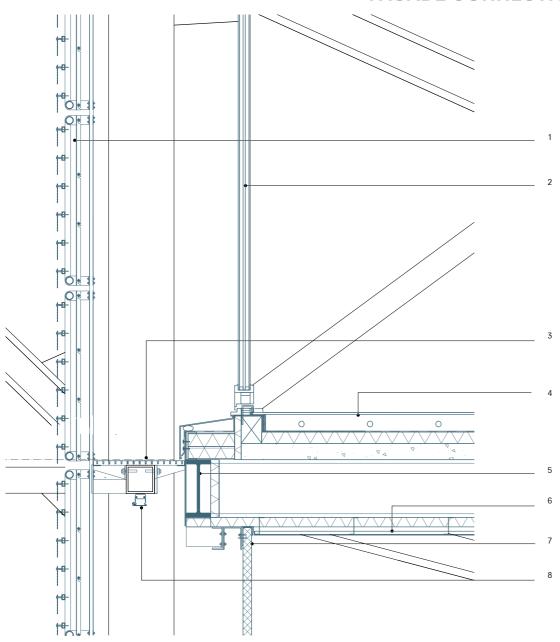
1 Intensive allotment

Planting
100mm mulch
100mm top soil
Mix soil
Filtering layer
40mm drainage area aeration
Mechanical water retention felt
Root proof synthetic membrane
Insulation

- 2 820mm timber deck
- 3 Rectangular Hollow Section
- 4 Polished Aluminium cladding panel
- 5 Existing In-Situ concrete steps
- 6 Existing steel tribune structure
- 7 Insulation
- 8 16mm laminated glass with/ organic, luminescent, UV solar film

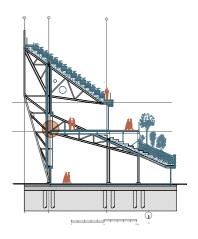


FACADE CONNECTION

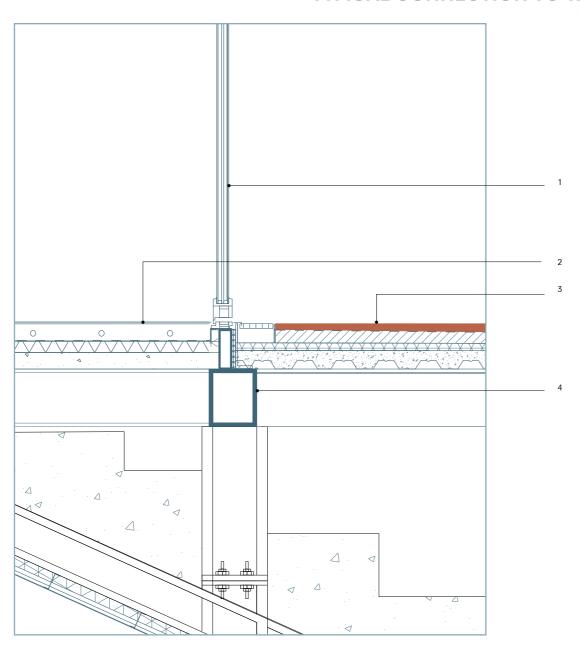


1 Cladding 3mm Perforated Polished Aluminium Plates screwed to 850x850mm circular hollow section frame.

- 2 Insulating Glazing in Aluminium Profile Frames
- 3 Floor Grating connected to existing square profile
- 4 Polished Concrete screed with underfloor heating Vapour Barrier Rigid Foam thermal Insulation Composite concrete slab Steel I Beam
- 5 Steel I Beam Section
- 6 Insulated Suspended Ceiling
- 7 45mm Polycarbonate Translucent facade panel screwed to U Channel
- 8 LED lighting screwed to existing square profile

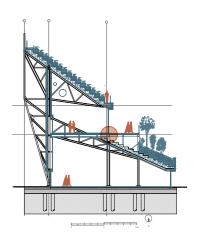


TYPICAL CONNECTION TO WALKWAY

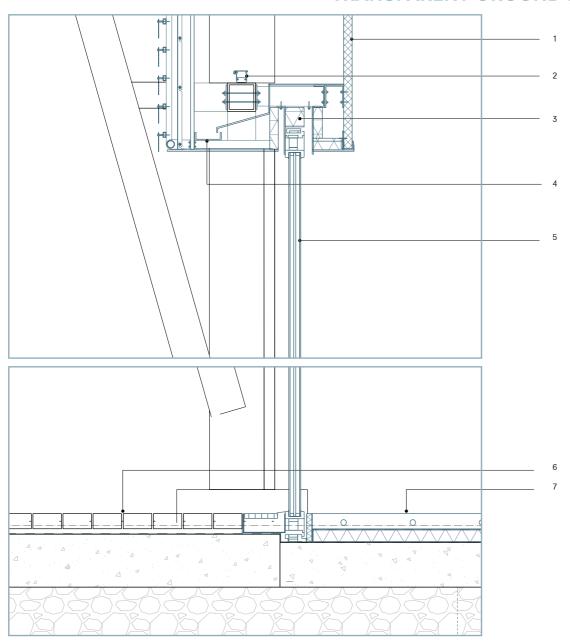


- 1 16mm laminated glass with/ organic, luminescent, UV solar film
- 2 Polished Concrete screed with underfloor heating Vapour Barrier Rigid Foam thermal Insulation Composite concrete slab Steel I Beam

3 **Circular Walkway** 30mm rubber floor covering 40mm cement screed Waterproof Membrane 20mm sound insulation 100mm composite steel decking



TRANSPARENT GROUND FLOOR



- 1 45mm Polycarbonate Translucent facade panel
- 2 LED lighting screwed to existing square profile
- 3 100mm Insulation panel
- 4 Integrated drainage channel
- 5 Insulating Glazing in Aluminium Profile Frames
- 6 **Typical Existing Paving** 80mm Concrete paving 150mm ballast base course 200mm frost protection Subsoil
- 6 Existing steel tribune structure

7 **New Flooring**Polished Concrete screed with underfloor heating
Vapour Barrier Rigid Foam thermal Insulation Existing In-Situ Concrete slab

