Architectural Engineering graduation lab 10
Project: Public sports complex Amsterdam
Drawing: Second Floorplan 1:200 (A1)
Date: 15-04-2014
Student: Brim Vermeulen
Stud. Nr.: 1353462
Tutors: Annebregje Snijders; Engebert vd Zaag
SOUTH ELEVATION

SECTION CC
Architectural Engineering graduation lab 10
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**Detail Section sports fragment**

- UHPFRC walkway (100 mm, tapering to 60 mm)
- UHPFRC overhang columns

**Walkway width varies 4000-6000**

**+0.00**

- Spectators corridor
- Sports Corridor

**+5.00**

- Stainless steel column base
- Stainless steel arch base
- UHPFRC arch
- UHPFRC overhang columns
- UHPFRC arch

**Detail elevation sports fragment**

- Rainwater collection gutter
- In situ curved concrete wall 300mm
- Curved glass or aluminium sandwich panels
- Sheep wool insulation 160mm
- Perforated Aluminium panels for acoustic insulation

**+0.00**

- Stainless steel column base
- Hinged steel bar spaceframe
- Hinged steel bar spaceframe
- Spectators corridor 2400
- Spectators corridor 1900
- Spectators corridor 1800

**+5.00**

- Stainless steel column base
- Stainless steel arch base
- UHPFRC arch
- UHPFRC arch
- Spectators corridor
- Spectators corridor
**Detail A 1:10**

- UHPFRC Arch 400mm
- Stainless steel stabilizers 50mm
- Hinged spaceframe connection
- Curved glazing for natural roof light strips
- Aluminium sandwich panel 35mm
- Sheep wool insulation 160mm
- Secondary aluminium framework to mount ceiling panels
- Curved and perforated 5 mm aluminium panels for acoustic insulation

**Detail B 1:10**

- Screed 50mm
- EPS Floor insulation 80mm
- Concrete slab floor
- Insulation 80mm
- Lowered ceiling structure
- Ceiling finish board
- Stainless steel column base
- UHPFRC external column 200mm
- Woven stainless steel bronzed gauze, mounted to column
- Structural glazing 30mm
- Gutter system sloped along the buildings volume
- Aluminium sandwich panel 35mm
- Sheep wool insulation 160mm
- Secondary aluminium framework to mount ceiling panels
- Curved and perforated 5 mm aluminium panels for acoustic insulation