

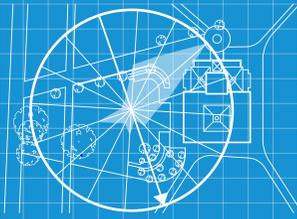
7XS15 Tea For Two | Tea For All

Tea Pavilion | Serpetine Gallery | London

By Tom Winnubst
#779913
d. 09-01-13

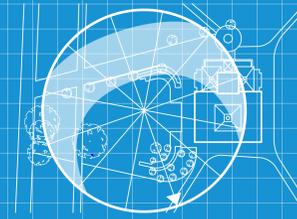
Tutors: John Swagten & Wouter Hilhorst

Wind | 1:500



Form Partly based upon dominant wind direction going west-south-west. Its form is shaped to hide the users from the sun.

Sun | 1:500

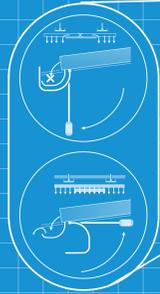


The Teapavilion is opened towards the flow of the sun during the day.

Detailed section | Waterfall | 1:10

Waterfall Intermission system

To enter the storage during rain without this using this system you will have to go through the waterfall. By pulling the lever the water fall will stop only at the location of the door and you can access the storage room, without getting wet.

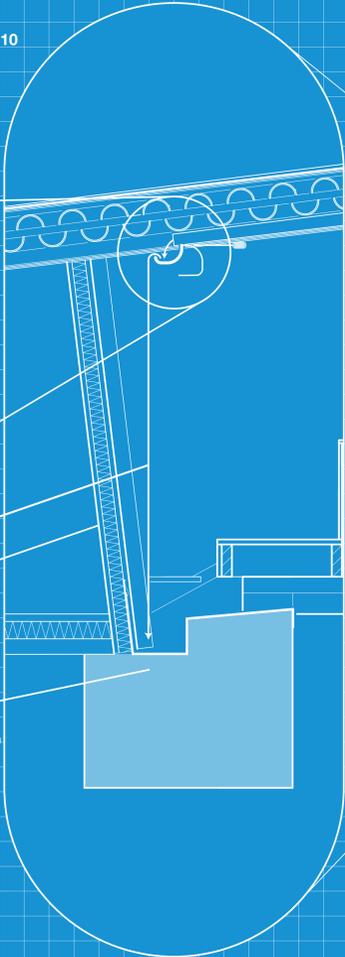


Waterfall (by rain)

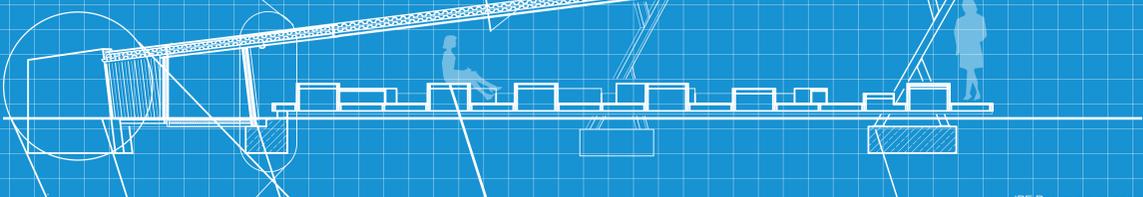
Wall Storage
- Corrugated zinc
- Insulation
- Plywood
HEA Column of support of the IPE-Beam.

Main earth level gutter

Not also a to move away water back into the ground but also a foundation for the HEA column.

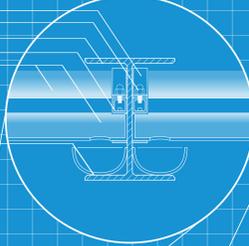


Section A-A | 1:50

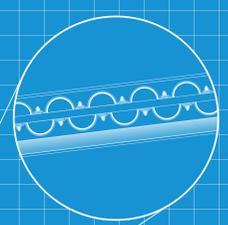


Section Detail | IPE And Gutter system | 1:5

Gutter bracket
Gutter bracket bolt
IPE-Beam
Attached profile
Primary Gutter



Detail | IPE And Gutter system | 1:10



Secondary Gutter

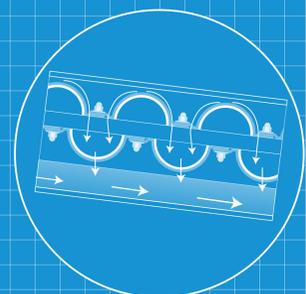
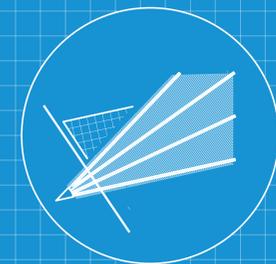
Boxes, To sit, integrated with timber floor.

IPE Beams are on one end supported by the concrete base foundation and on the other end by steel HEA columns. And one extra column to separate the inside and the outside.

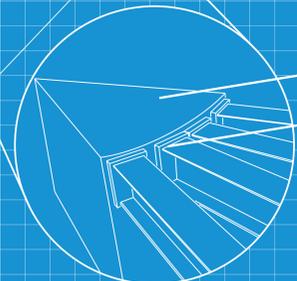
Reinforced concrete base foundation

IPE Beams not cast, but set into foundation for enetual removal

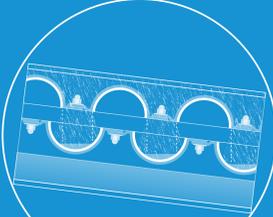
Rainwater movement



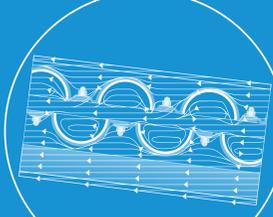
Impression | IPE Beams meeting concrete base foundation



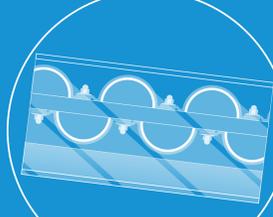
The rain taps on the zinc hereby creates sound



Wind whistles as the flow of air moves through the gutters

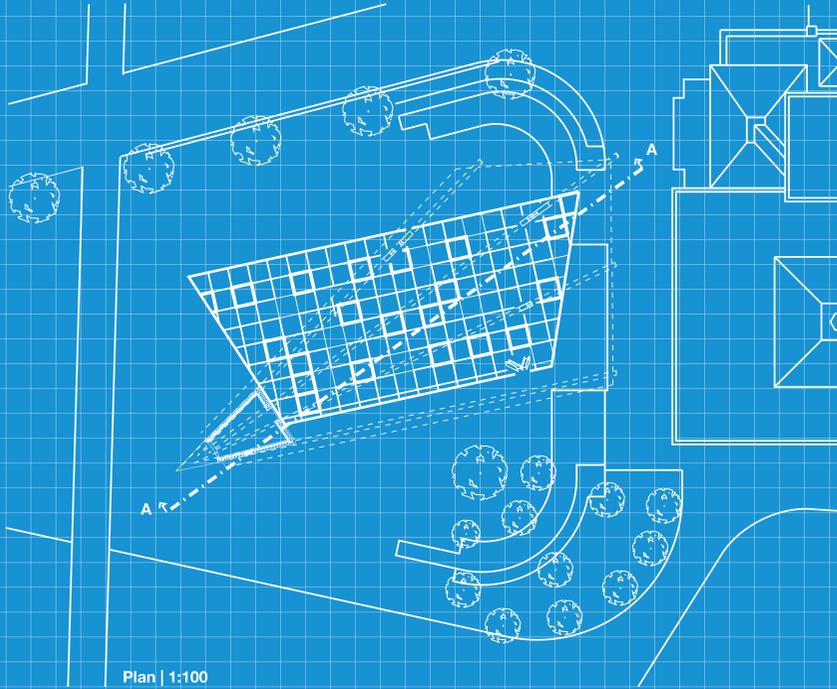


On rare occasions the light seeps through the gutters

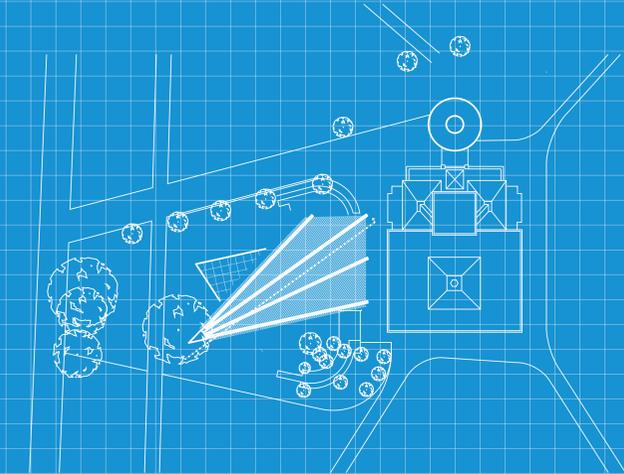


To move away the great amounts of rainwater caught by the roof is done by a system of gutters. The largest part is brought to one point. As seen on the drawing above. The water can be seen leaving the roof as a big water fall. The water caught below this line is moved away simply by the sides.

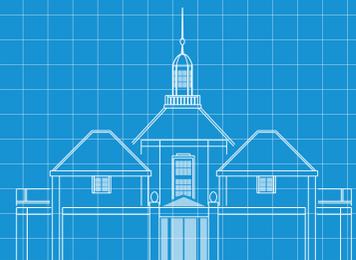
The Roof consist of multiple gutters. Who all caught the rainwater from the sky. Besides the zinc making sounds when it is hit by raindrops they also move away the water the horizontal ones flow the water towards the beams in to a bigger gutter placed inside the IPE-beam. This gutter then moves it to the central waterfall point.



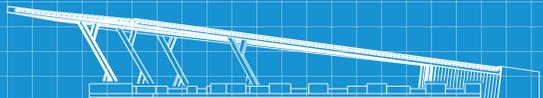
Plan | 1:100



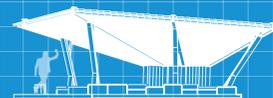
Situation and roof | 1:200



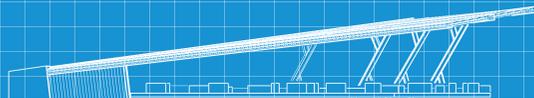
North Façade | 1:100



West Façade | 1:100



South Façade | 1:100



East Façade | 1:100

