

MILANO – EXPO 2015 COVERAGE SYSTEM OF THE WALKWAYS

DESCRIPTION

The graphic images of the Masterplan Expo 2015 show for the coverage system of the walkways a light and simple structural system: the tent.

After a series of computer graphics simulations (rendering and 3D movies) it was decided to adopt the following structural solution:

- Horizontal tension structural system made with ropes of opposing curvatures and vertical connections elements;
- Translucent and pre-stressed cover membrane stabilized with transversal tubes;
- Vertical anchoring and support structures realized with a reticular space frame;
- Foundational footing system and anchor foundation system made with a gravity system.

Service provided: Preliminary, final and working architectural-structural design

Client: Metropolitana Milanese S.p.a.

Year: 2012

Amount of works: € 22.000.000.

