



Having installed a beautiful gridshell roof in one of the landmark courtyards - C30 - Octatube has designed, manufactured and replaced a skylight roof in the adjacent property - C16. The design has the same visual appeal as C30. The roof consists of a double-curved self-supporting steel grid of 6 x 24 meters. This grid is lined with cold-bent glass panels. Using a parametric model, we determined the geometry of the roof. The curve in the roof with a small span creates a lot of torsion in the glass. The roof is on sliding joints

to prevent the transfer of horizontal forces to the existing building. For precise dimensions of the profiles in the frame, we used the file-to-factory method and the profiles were laser cut. To weld the steel tubes at exactly the right angles, we used a self-designed 3D welding jig that is adjustable in all directions. Finished with aluminum flashing, the structure has a uniform, sleek appearance.