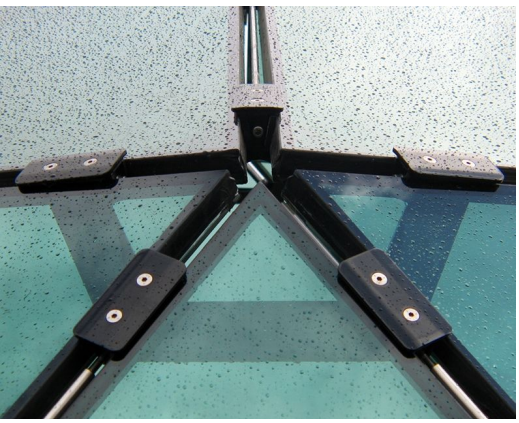
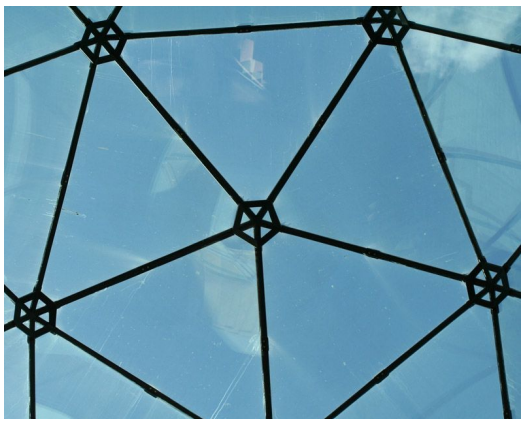
SELIMIYE MOSQUE

Architect DE ARCHITECTENKAMER
Client ISLAMITISCHE STICHTING NEDERLAND
Location NETHERLANDS, HAARLEM
Year 2006

06033





Out of several alternatives proposed by Octatube, architect Reeskamp choose for a state-of-the-art technical solution, while still referring to important and iconic Islamic symbols. The all-glass dome is a scoop in constructive glazing. It's the first self-supporting glazed dome in this size (100 square meters), without any visible steel construction elements. The dome with its triangular division consists of half a sphere, being 8 meters in diameter and 4 meters in height. 40 glass panels incorporate the dome on top of the mosque (30 isosceles, 10 equilateral).

The number 40 in Islam stands for 'perfection of completion' and is a frequently used number. The combination of 30+10 also has multiple references. The 5-fingered connectors, fixating the edges of the glass panels, are connected to the tension rods along the sides of the panels. As a result, the whole dome construction is pre-stressed. This hidden secondary construction secures the dome in extreme situations, even a criminal attack. In the rare case of a total collapse, the construction still functions as a safety net.

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