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DETAIL

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Attic Addition in Mexico City

Architects:
Kurt Sattler/Architects Collective, Vienna
Julio Amezcua, Francisco Pardo/at.103, Mexico City
Assistants:
Tiberio Walentin, Margarita Flores, Aida Hurtado, Jorge Vazquez, Dante Borgo, Jessica Barba
Structural engineers:
Colinas de Buen, Mexico-City
Others involved in the project: see page 437

DETAILplus: construction photos: www.detail.de/0155

Site plan
scale 1:2000

Sections
Floor plans
scale 1:250

Third floor
Roof plan

1 Void
2 Kitchen
3 Dogs
4 Dining area
5 Pink patio
6 Living
7 Terrace
8 Closet
9 Bedroom
10 Services

Hipódromo de la Condesa originated in the 1920s as a suburb of Mexico City. At the heart of the district is a racetrack with an accompanying park. The adjacent building was a bakery until the 1985 earthquake and was later transformed into an art centre for exhibitions and events. The lively exchange between the art scenes in Mexico and Austria led to cooperation with the Vienna-based architect Kurt Sattler. A pair of artists commissioned him to design a new roof addition as on-again, off-again residence. Clearly setting itself apart from the existing structure, the addition works its way up – in origami-like folds – culminating in a viewing platform and the cut-out section of the roof containing the pink patio. All floors were executed in the dark-grey limestone ubiquitous in Mexico City's historic centre, while the flamboyant roof, clad entirely in acrylid solid surfacing material, is alien.
The partner firm based in Mexico – named at.103 – had already gained experience with this material. But since it had never been used as a roof surface, the architects decided to include a secondary drainage layer. The sheets of acrylid solid surfacing material are affixed via silicone tape to aluminium channels within this layer. The short sides of the panels were welded and sanded, and the long sides are held together with a polyurethane sealant.

Vertical sections
scale 1:20

1 10 mm toughened glass on neoprene strip, affixed with silicone to steel angle
2 12 mm acrylid solid surfacing material, perforated, removable
3 12 mm acrylid solid surfacing material, affixed with silicone tape
30/30 mm aluminium channel
4 12 mm acrylid solid surfacing material, affixed with silicone tape
50/30 mm steel channel, galvanized
50 mm glass-wool insulation
100/100 mm steel SHS
plastic sealing layer
50/18 mm steel-sheet channel, galvanized
12.5 mm plasterboard, painted
5 10 mm dark-grey marble
5 mm mortar bed
15 mm cement board, glass-fibre reinforced
50/50 mm steel SHS
6 2490/930/12 mm acrylid solid surfacing material, sanded, short sides welded, long sides sealed with polyurethane, affixed with silicone tape
30/30 mm aluminium channel, on steel bracket
1.5 mm plastic sealing layer
15 mm fibre-cement board
50/50 mm steel SHS
100 mm glass-wool insulation
50 mm PUR insulation board
50/18 mm steel channel, galvanized
12.5 mm plasterboard, painted
7 600/300/10 mm dark-grey marble
5 mm mortar bed
50 mm lightweight concrete
250 mm reinforced concrete
8 250 /100 mm steel I-beam
9 12 mm acrylid solid surfacing material, welded as angle
10 120/120 mm steel SHS
11 frameless sliding door:
10 mm toughened glass in 50/50 mm aluminium rail
12 10 mm dark-grey marble
5 mm mortar bed
15 mm fibre-cement board, glass-fibre reinforced
50/50 mm steel SHS, upright
250 mm reinforced concrete

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Horizontal section
Vertical section
scale 1:20

1 12 mm acrylid solid surfacing material
welded as angle
30/30 mm aluminium channel
2 250/100 mm steel I-beam
3 12.5 mm plasterboard, painted
50/18 mm steel channel, galvanized
4 2490/930/12 mm
acrylid solid surfacing material,
sanded, short sides welded,
long sides sealed with polyurethane,
affixed with silicone tape
30/30 mm aluminium channel
on steel bracket
1.5 mm plastic sealing layer
15 mm fibre-cement board
50/50 mm steel SHS
100 mm glass-wool thermal insulation
50 mm polyurethane insulation board
50/18 mm steel channel, galvanized
12.5 mm plasterboard, painted
5 frameless hinged door:
10 mm toughened glass
6 600/300/10 mm dark-grey marble
5 mm mortar bed
50 mm lightweight concrete
250 mm reinforced concrete
7 column:
100/100 mm steel SHS