

Compagnie-O

Audrey Matlock
Architect

Boris Podrecca
Marco Castelletti

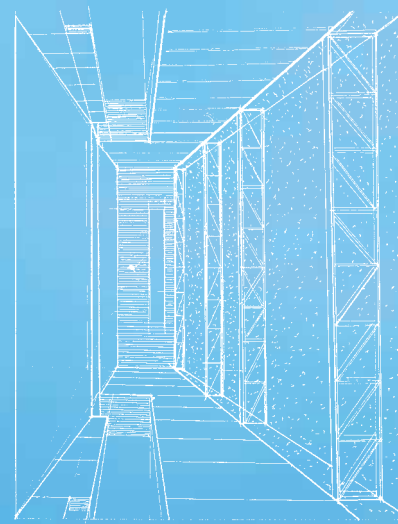
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101

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OCTOBER 2017

BAR HOUSE

LANDSCAPING, METAL AND LIGHT

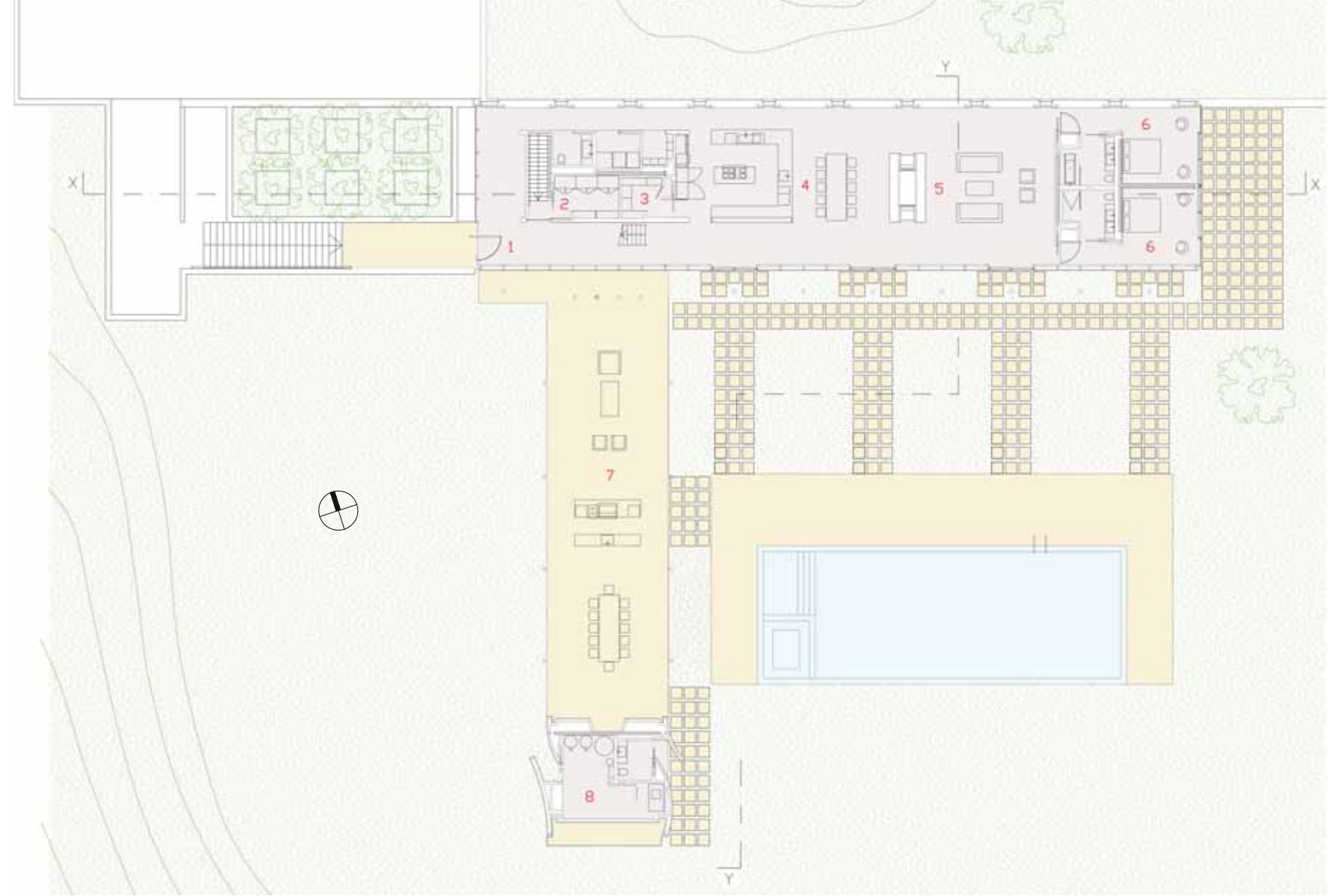
EAST HAMPTON,
NEW YORK, USA

ARCHITECTURE

Audrey Matlock Architect



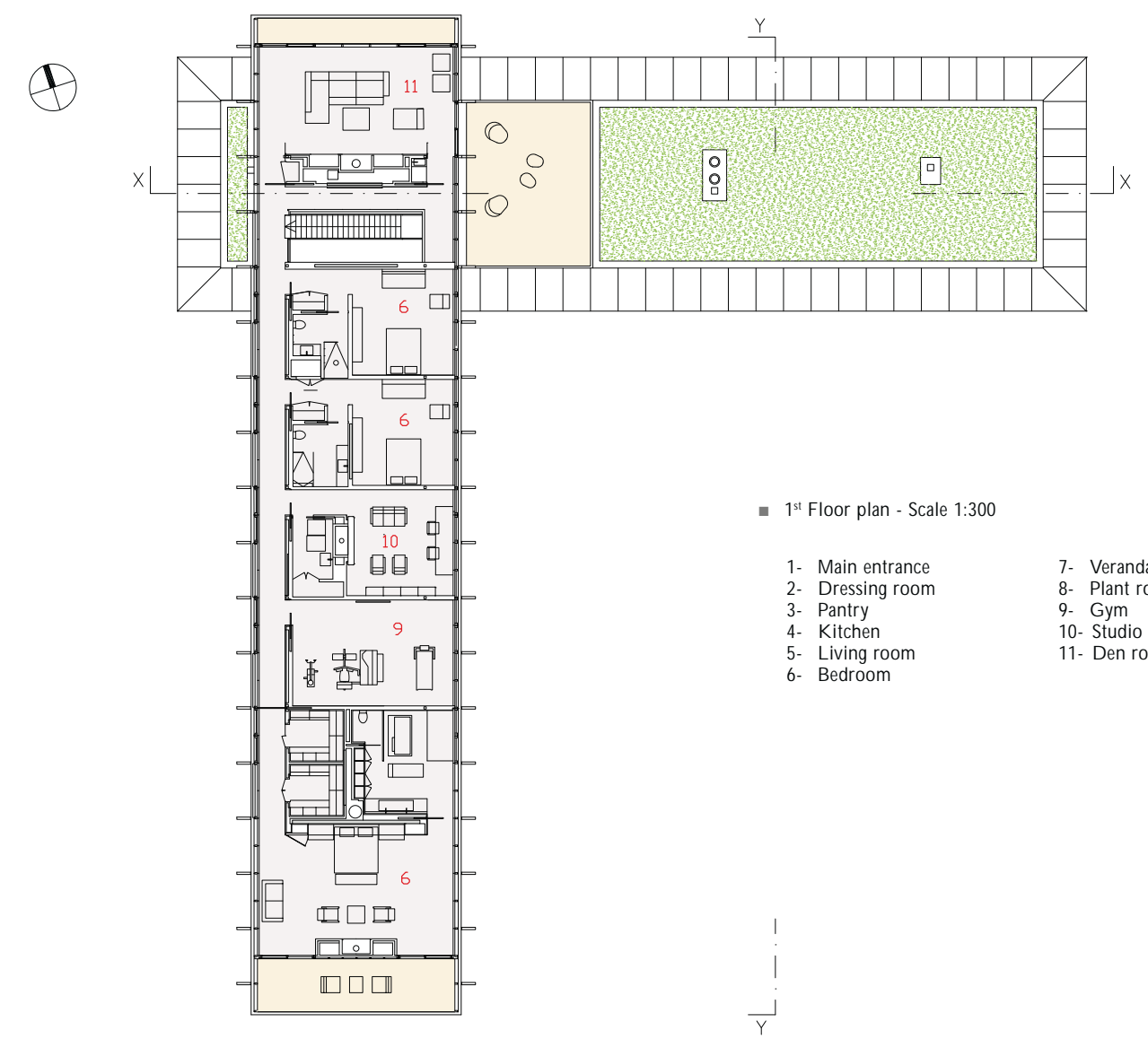
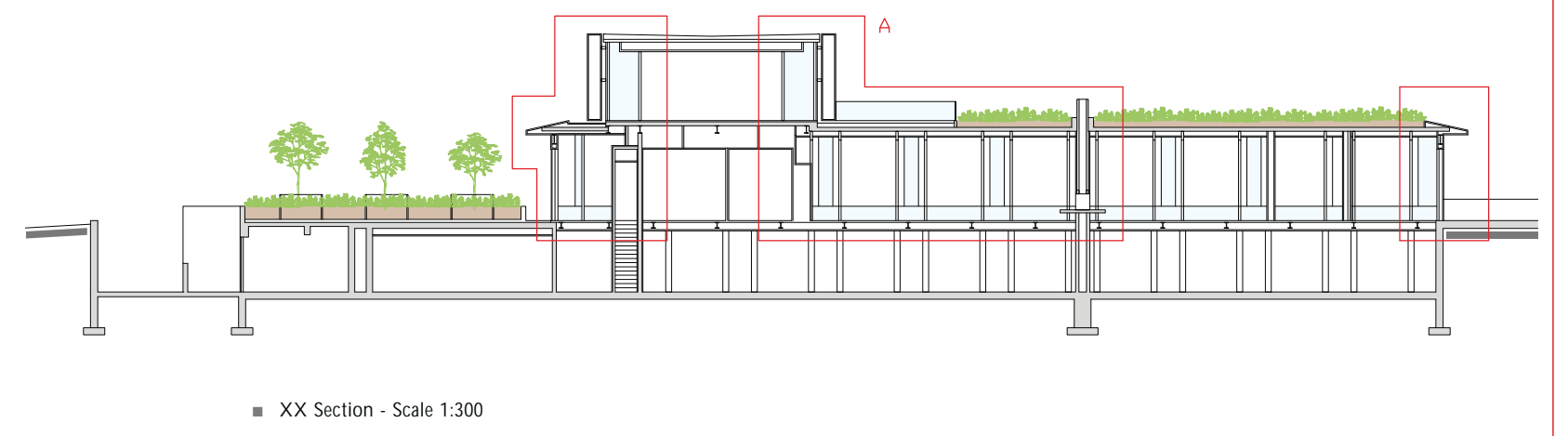
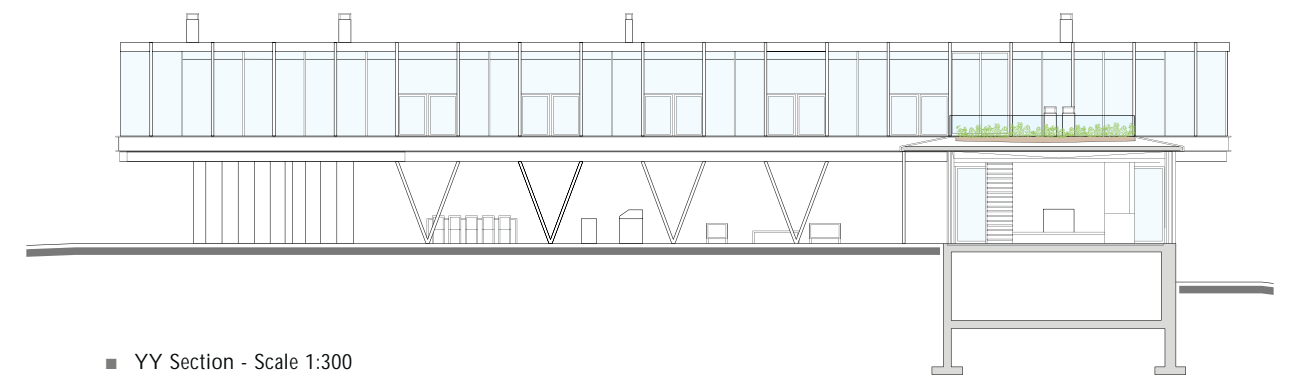
■ Ground floor plan - Scale 1:300

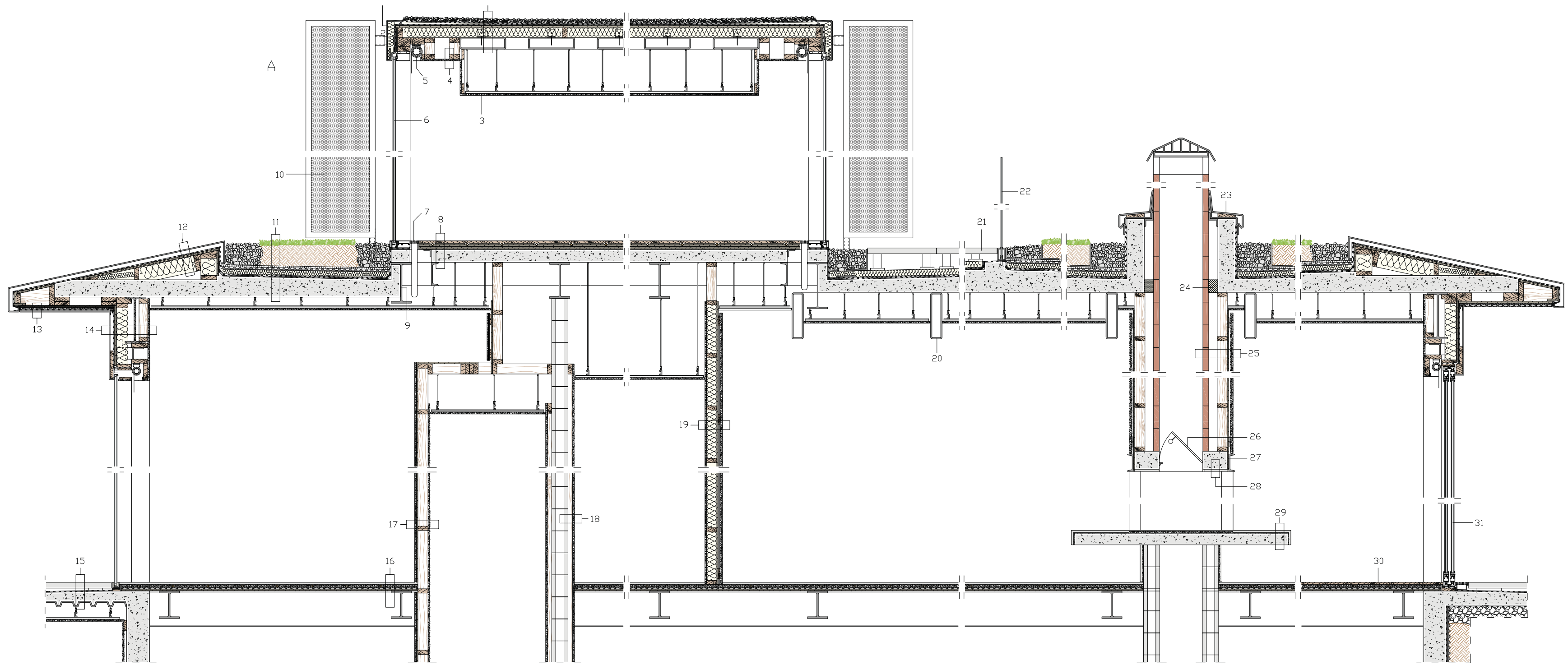


Audrey Matlock's story is an interesting one that's worth telling. Not just because she's a successful woman, but rather because she has built on her past experience, something that today allows her to tackle contemporary challenges with intelligence and entrepreneurial flair. Matlock started out as a sculptress, graduating from the University of Syracuse's Fine Arts College. After a while though she realised she was not interested in developing a solitary idea with a group but rather wanted to work with other professionals to create a single work. So, she went to Yale and became an architect, working for a short time with Peter Eisenman and Richard Meier before joining Skidmore, Owings & Merrill (SOM). There, despite her still young age, she was soon entrusted with the considerable responsibilities of large-scale projects. Thanks to this experience at SOM - a practice that has always set great store by multidisciplinary work - Matlock felt ready to strike out on her own. Her decision coincided, however, with the far-reaching crisis that hit America's architecture world towards the end of the 1990s. Undeterred, she set about transforming her New York loft into a workplace/apartment, bringing in architect friends in need of a job. Her aim was to gain visibility through competitions and small projects. Thanks to her previous experience on large-scale complex programs, Audrey Matlock won several competitions, earning a reputation as a talented architect **able to think outside the box and propose systems whose technical excellence combined with contemporary materials and quality detailing deliver examples of outstanding architecture, each with their own distinctive character.** Matlock's practice now has 12 people but she can also boast of being able to harness the best professionals around to ensure top quality solutions. In this sense she could be said to be carrying on the moral legacy left by SOM, for while following all projects personally, she encourages her co-workers to become active members of a collaborative team. Bar House is fully in line with this approach. It was commissioned by a wealthy young New York family anxious to escape from the Big Apple to the countryside at least during the weekend. The client had seen one of Matlock's projects in East Hampton, a sought after Long Island bolt-hole for New Yorkers, and decided to buy a five hectare plot abutting onto a nature reserve for her to build

on. The brief was very clear: the interiors had to be very spacious and well lit and the outdoor areas given over to leisure activities had to be landscaped to blend effortlessly with the natural setting. Matlock's reply was a two-armed L-shaped construction set at right angles and overlapping at their point of contact. **Built of steel and reinforced concrete, the residence stands out unabashedly in its setting, making no effort to meld with its surrounds.** Yet its presence seems perfectly fitting. House and landscape intermingle, the extensive curtain walls and skylights creating a continuum between exteriors and interiors. Open on all sides, the house enjoys a range of different views onto the outside. The two arms making up the holiday home seem to almost hover over the ground thanks to a series of slender, minimum-size V-shaped pilotis. The frame of the two long box-shaped components is a Vierendeel design like those used for iron bridges (Buro Happold were the structural engineers.) Matlock herself calls the Bar House a "container house". Hers is an innovative solution that combines a new paradigm for the luxury home with a series of sustainable environment-friendly solutions. The architectural plan is based on a 1.2m (4ft) module throughout. A V-shaped piloti is placed every 3.6m (12 ft), and the pattern of solids and voids on the façades follows the same basic spacing rule. **This rigid regularly tetragonal structure imparts a sense of effortless ease and simplicity.** Both the interiors and landscaping solutions were designed by Audrey Matlock Architect to fit perfectly with external vertical partitions. The upper-level night arm has a series of extensive lights supported by white painted steel frames and shielded by a series of projecting vertical brise soleil. Horizontal drop-down curtains provide sun-shading for the lower, grade-level living area that extends into an enormous veranda under the upper story - an open yet protected family space for hot summer days. The roof of the lower "container" is another useable open space while the roof of the volume created by the overlapping volumes is partly planted. The swimming pool is set into the angle created by the two arms of the house.







Detail A: Construction system
Vertical section - Scale 1:30

- 1- Roof comprising gravel, waterproofing membrane, insulation layer forming slope, waterproofing membrane, 3/4" (20 mm) plywood panel, 3 1/2 x 1 5/8" (90x40 mm) wood framing sandwiching insulation, steel L-profile, 16 x 4" (405x100 mm) steel box beam
- 2- Fascia panel comprising aluminum sheeting over insulation
- 3- False ceiling comprising 5/8" (16 mm) drywall panels on aluminum C-profile framing suspended by tie rods
- 4- Bulkhead comprising 5/8" (16 mm) drywall panels, 3 1/2 x 1 5/8" (90x40 mm) wood framing
- 5- Roller blind
- 6- Curtain wall with 1/4 - 1/2 - 1/4" (6-13-6 mm) aluminum glazing units
- 7- Ventilation grille
- 8- Floorboards, 1 1/4" (32 mm) plywood panel with radiant heating, 1" (25 mm) plywood panel,
- 9- 4 1/2" (115 mm) reinforced concrete slab, frame of 7 7/8 x 2 3/8" (200x60 mm) steel C-profile framing
- 10- Perforated aluminum sunshading panels
- 11- Green roof comprising soil, filtration membrane, drainage blanket, 7 1/8" (180 mm) rigid insulation, double waterproofing membrane, 7 1/2" (190 mm) max h reinforced concrete slab forming slope
- 12- Aluminum roofing panels, waterproofing membrane, 3/4" (20 mm) plywood panel, wood framing sandwiching insulation
- 13- Sheet aluminum soffit, waterproofing membrane, 5/8" (16 mm) drywall panel, 3/4" (20 mm) plywood panel
- 14- Aluminum facing panels on fasteners, waterproofing membrane, 3/4" (20 mm) plywood panels, 4" (100 mm) rigid insulation, 16 x 7 1/8" (405x180 mm) steel I-beam, 2 7/8 x 1 5/8" (75x40 mm) wood framing,
- 15- 5/8" (16 mm) drywall panels on adjustable pedestals, waterproofing membrane, 5 1/2" (140 mm) max h composite slab of concrete fill over corrugated sheeting forming slope
- 16- 3/4" (20 mm) limestone flooring, 1 1/4" (30 mm) screed with radiant heating system, vapor barrier, 3/4" (20 mm) plywood panel, steel I-beam framing
- 17- Wall comprising 5/8" (16 mm) drywall panels, 1/2" (13 mm) plywood panels, 3 1/2 x 1 5/8" (90x40 mm) wood framing, 5/8" (16 mm) drywall panels
- 18- Wall comprising 5/8" (16 mm) drywall panels, 3 1/2 x 1 5/8" (90x40 mm) wood framing, 5 1/2" (140 mm) hollow concrete blocks
- 19- Wall comprising 5/8" (16 mm) drywall panels, 3 1/2 x 1 5/8" (90x40 mm) wood framing sandwiching insulation, 1/2" (13 mm) plywood panels, wood battens, 1" (24 mm) plywood panels
- 20- 16 x 4" (405x100 mm) steel box girder
- 21- 2" (50 mm) stone pavers on adjustable pedestals
- 22- Railing comprising double 1/4" (6 mm) glass panels on box profile fixed to slab
- 23- Steel flashing
- 24- Fire block
- 25- Chimney finish comprising painted 1" (25 mm) drywall panels on metal fasteners, 1/2" (13 mm) plywood panels, 3 1/2 x 1 5/8" (90x40 mm) wood framing, 3" (75 mm) cavity, 2" (50 mm) refractory bricks
- 26- Chimney vent
- 27- 5 7/8 x 2" (150x52 mm) steel C-profile
- 28- Granite slab, 8 1/2 x 6 1/4" (215x160 mm) reinforced concrete lintel
- 29- 3/4" (20 mm) granite slab seat on bedding layer, 3/4" (20 mm) reinforced concrete slab
- 30- Floorboards
- 31- Sliding double-glazed aluminum door





CREDITS

Location: East Hampton, New York, USA - Completion Date: 2016 - Gross Floor Area: 950 m²
 Architect: Audrey Matlock Architect - Design Partner: Audrey Matlock - Project Architect: Monica Franklin
 Design Team: Rohan Cherayil, Derek Metz, Darshin Von Parijs - Interior and Landscape Design:
 Audrey Matlock Architect - Main Contractor: Lettieri Construction

Consultants

Landscape: Site Design Resources - Interior: Elvan Arolat - Structure, MEP and Lighting: Buro Happold

Suppliers

Metal Panels: Alpolic, VMZinc - Curtain Wall: Efco - Glass: Viracon - Skylights: Solar Innovations
 Exterior Sunshades: Levelux - Sliding Doors: Arcadia - Garage Door: Renlita - Hardware: Accurate, Hafele,
 Rixson - Woodwork: MOB Furniture Interiors - Paints: Benjamin Moore, Margolies - Floor and Wall Tile: Bluestone,
 Nano Glass, Olympic Stone - Carpet: Kasthall, Stark - Lighting: Feelux, USAI, Artemide, Flos, BK Lighting,
 Lutron - Sanitary Equipments: Blanco, Boffi

Bath Tubs: Duravit

Lighting: Erco

Text by Luca Maria Francesco Fabris, Milan Polytechnic

Photography by Peter Aaron, courtesy of Audrey Matlock Architect

