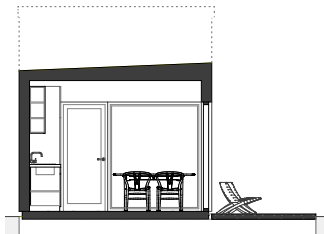
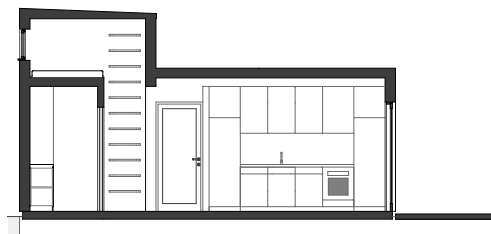
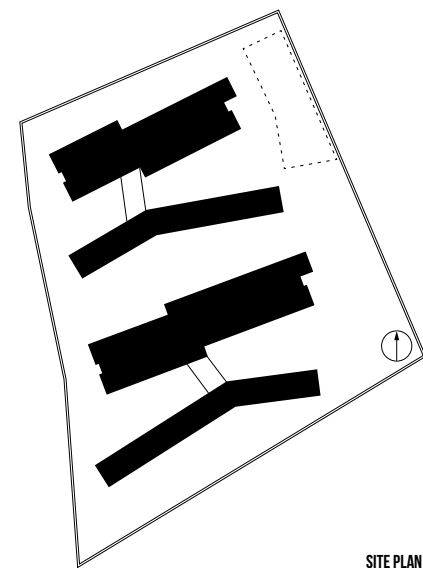


The Ättefall Hus project came after a development in Swedish land regulations that brought the unrestricted buildable area up from 15 square meters to 25 square meters. An additional condition allowed for internal plumbing so that structures could function as independent domiciles. We at Pavillion Living developed this design as an attractive prefabricated option to encourage use of the updated law and help the crippling housing shortage in Stockholm.







SITE PLAN

This project was a consult on a student housing competition in a northern suburb of Stockholm. I was brought initially to create the visualization for competition boards but soon realized that the project was still in early formal development. The scope soon expanded to fully designing the facade system as well as structuring the inner courtyard.

The aesthetics chosen for this mid-rise housing project aimed to create a minimal visual impact so as to please existing residents in the area. The double layer facade was imagined as vertical wood louvers that not only gave the opportunity to provide a warm and natural feel to the exterior but also create a variable shading system with the dual-purpose of masking the balcony extrusions. The louvers also provided a mask to the external stairwells that capped each housing unit.

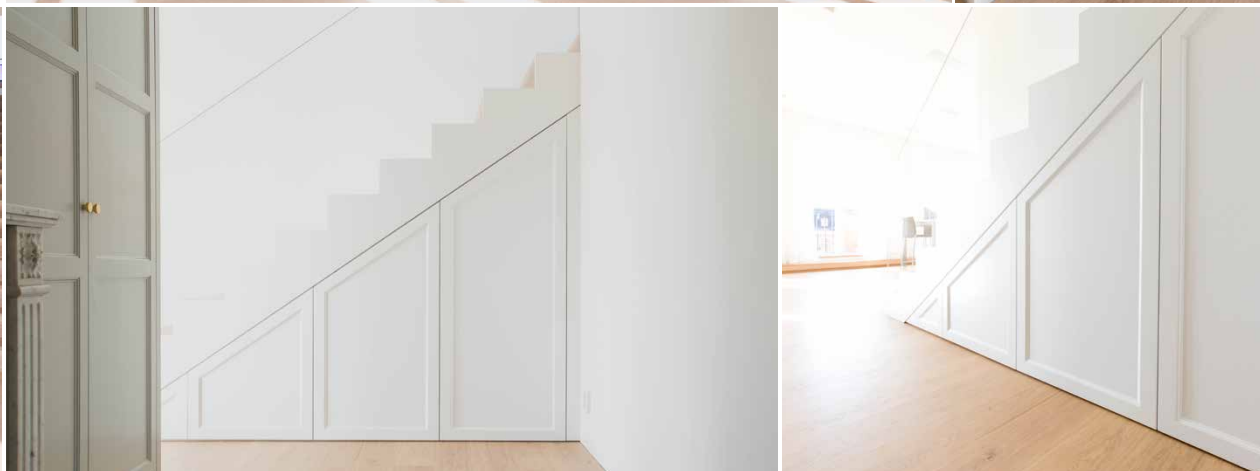
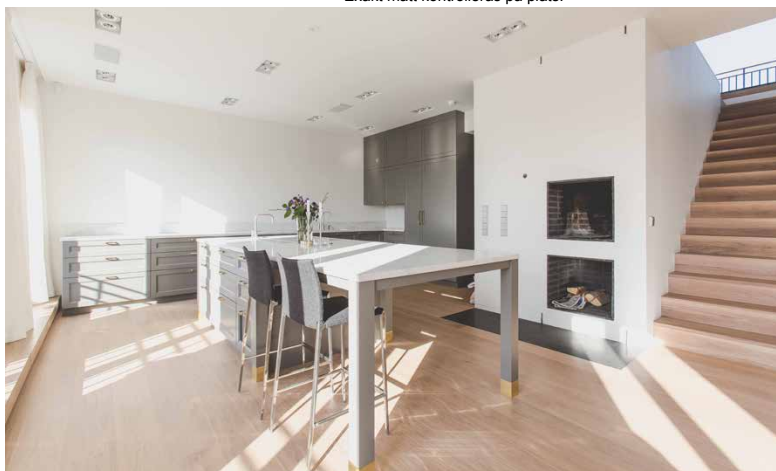
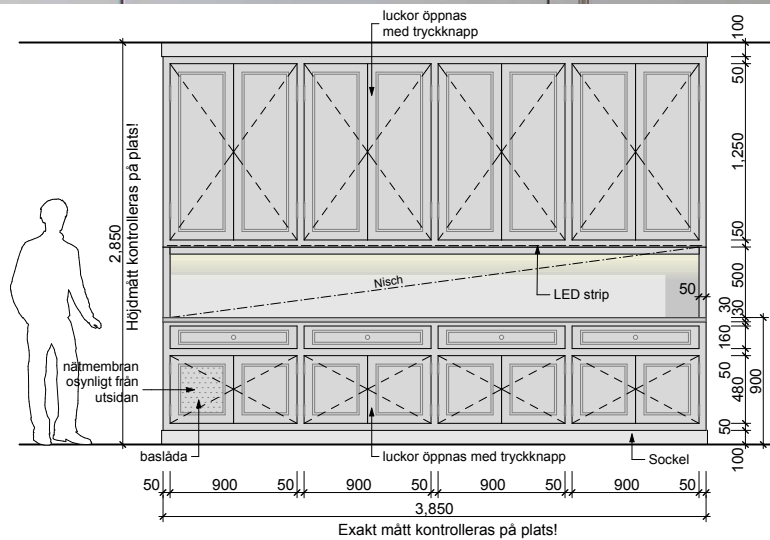
The general layout of the student housing units was developed very quickly and as the client approached me, the project was at such an early phase that the buildings were simply a vertical extrusion of the plan seen above. The images to the left along with an accompanying model were delivered a week later.





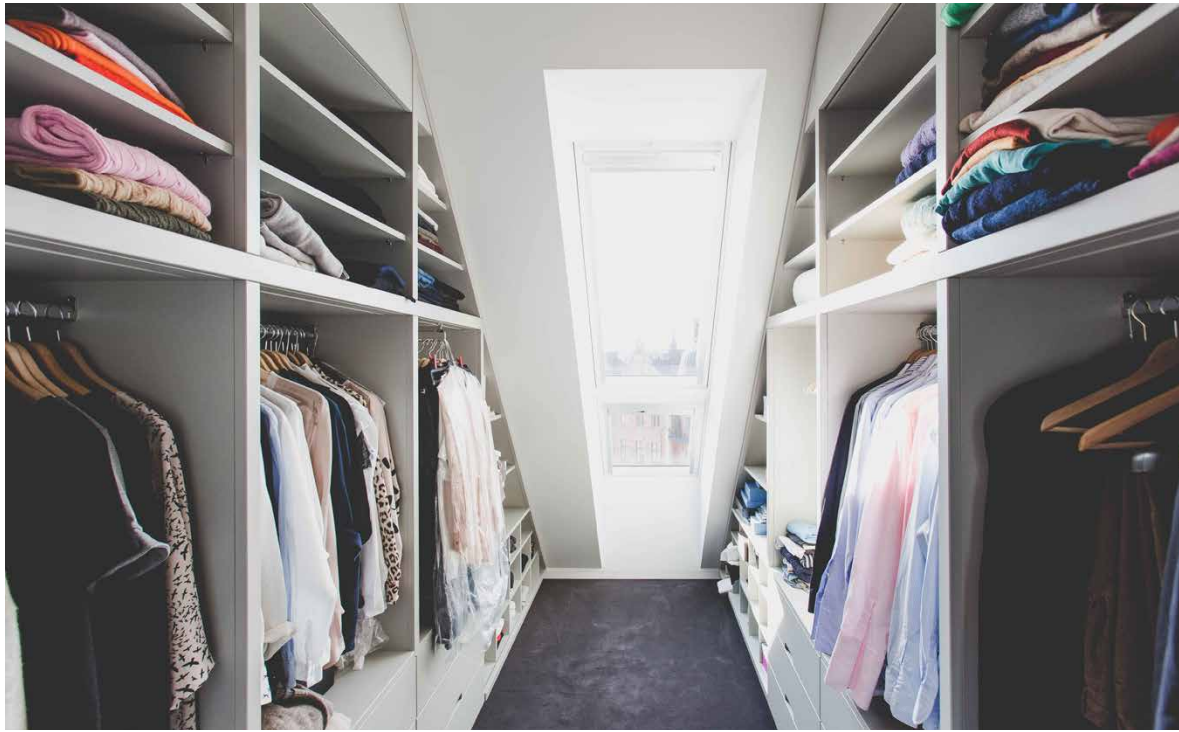


Whiteorange is a small design-build firm based in Stockholm that focuses primarily on custom designed built-in furnitures but often takes on complete residential renovation projects. As is the case in most European capitals, maximizing space in a cramped, expensive city center is an ever-important task in Stockholm. My work at Whiteorange often narrowed into the smallest details of building and designing space in order to guarantee efficiency. My role in Whiteorange quickly progressed from designer and draftsman to project manager, helping projects from conception to completion. I regularly handled clientele meetings, construction coordination, as well as planned, organized, and directed teams of builders, carpenters, electricians, and plumbers. My role also encompassed dealing with sourcing assorted materials from across Europe. The images above are an assorted collection of altered spaces combined with custom furnitures. All photographs are taken by me.

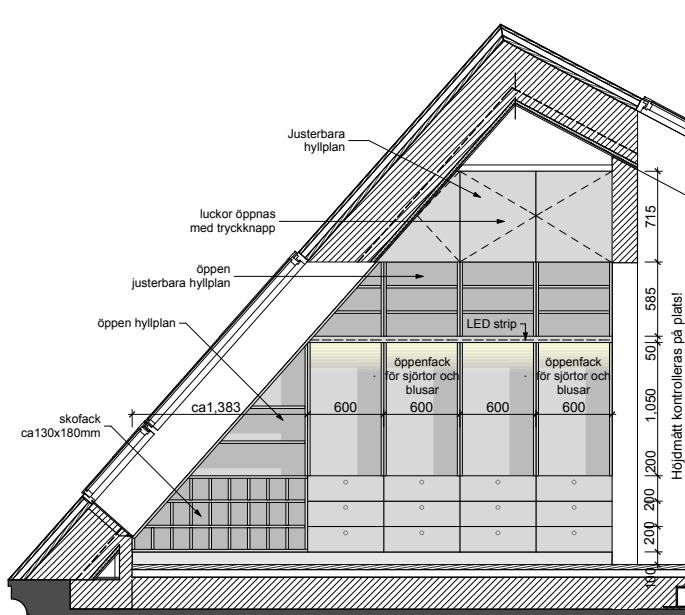


The Narvavägen project was a large renovation project that Whiteorange worked closely with another Stockholm architect that entailed combining four separate apartments into one large penthouse. We were employed to customize the interior spaces and provide built-in furnitures. The project presented a series of unique problems to solve.

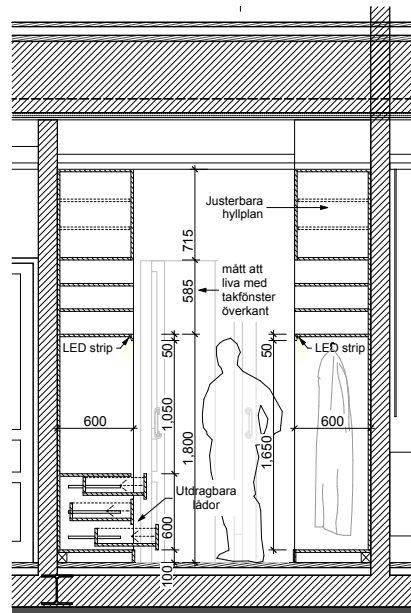




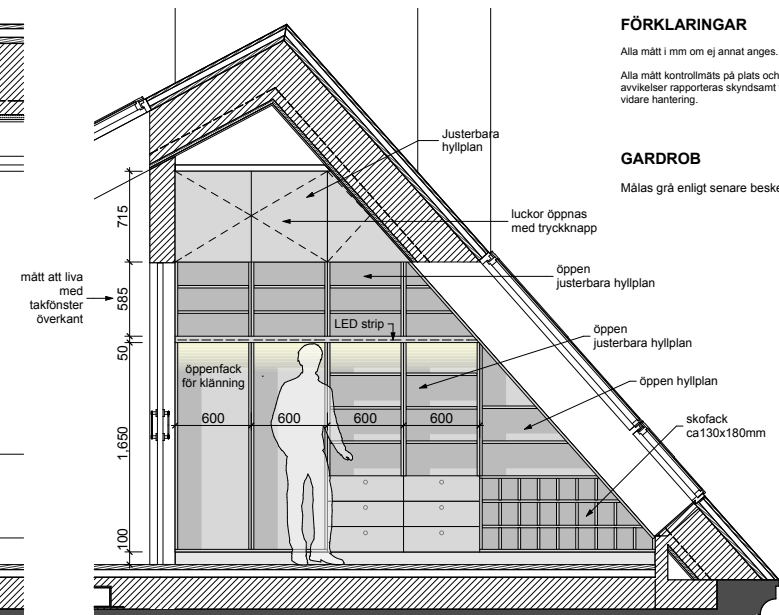
One such problem that needed to be solved was that of the walk-in closet. Stockholm regulations did not allow us to alter the slope of the roof so we were forced to create a custom storage solution that wasted no space. All parts were custom designed and made to order by me, and then carefully assembled on site by my team of carpenters.



ELEVATION A-B  
Skala 1:20



ELEVATION B-C  
Skala 1:20



ELEVATION C-D  
Skala 1:20

#### FÖRKLARINGAR

Alla mått i mm om ej annat anges.

Alla mått kontrolleras på plats och eventuella avvikelser rapporteras skriftligt till arkitekt för vidare hantering.

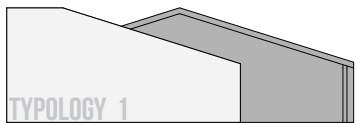
#### GARDBOB

Målas grå enligt senare besked.

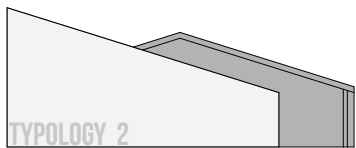




A client had come to us with the typical request to extend their livable space to accompany a growing family. What was atypical about this project was that the clients land plot brought us a number of physical restrictions, allowing for only a very specific buildable area. Swedish municipal restrictions often make it so that new private structures must adhere to existing aesthetics in the immediate proximity. I was tasked to iterate typologies to serve as a base to find our best options both spatially and aesthetically as well as finding a solution that would grant us a building permit from the municipality. The project is currently ongoing and has passed several typologies.



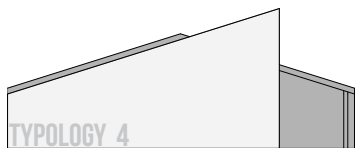
**TYPOLGY 1**  
ADDITION TAKES EXISTING ROOF SLOPE BUT FLATTENS TO ALLOW FOR NEW SPACE WHILE YIELDING TO LIMITATIONS SET BY EXISTING BUILDING.



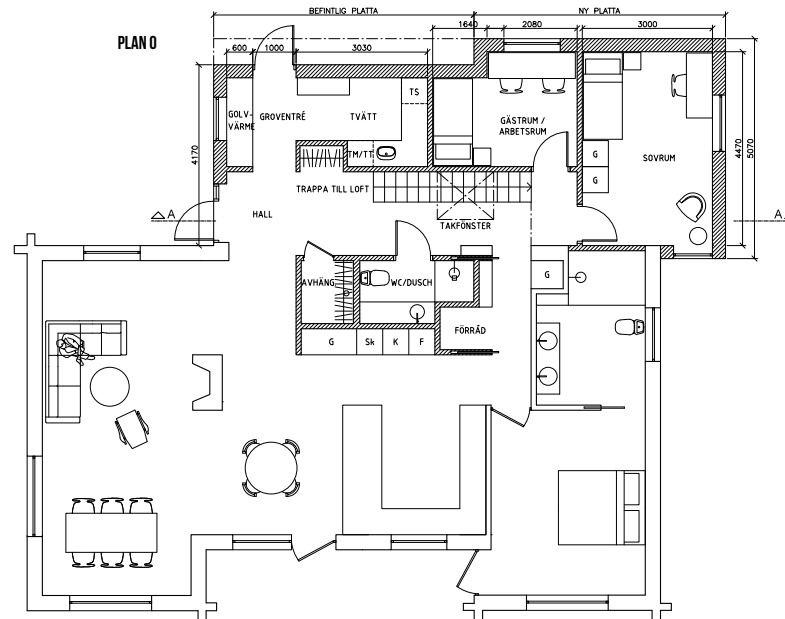
**TYPOLGY 2**  
ADDITION TAKES EXISTING ROOF SLOPE AND EXPRESSES GREATER VALUE BY CREATING A NEW MAX HEIGHT, TAKING FOCUS OFF-CENTER.



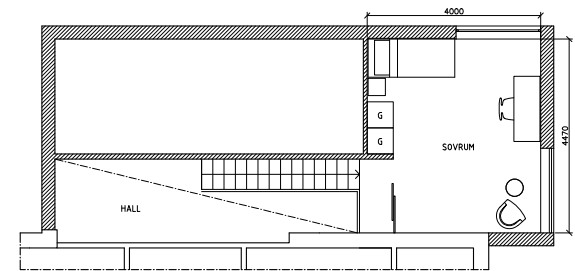
**TYPOLGY 3**  
ADDITION SUBMITS COMPLETELY TO THE EXISTING STRUCTURE, ONLY MAXIMIZING ALLOWED SPACE SET BY EXISTING BOUNDARIES.



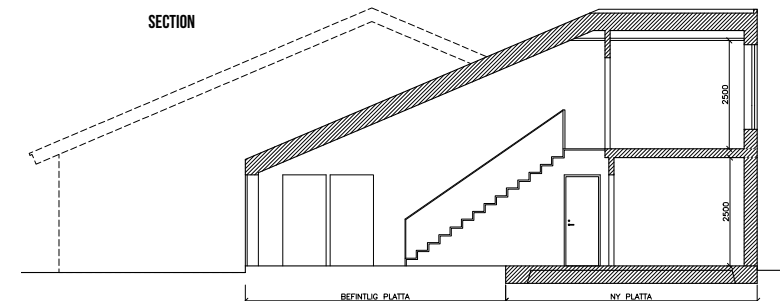
**TYPOLGY 4**  
ADDITION PAYS HOMAGE TO THE EXISTING FORM, KEEPING FOCUS CENTRAL WHILE SLIGHTLY ECLIPSING EXISTING BUILDING, MAKING AN IMPRESSION.

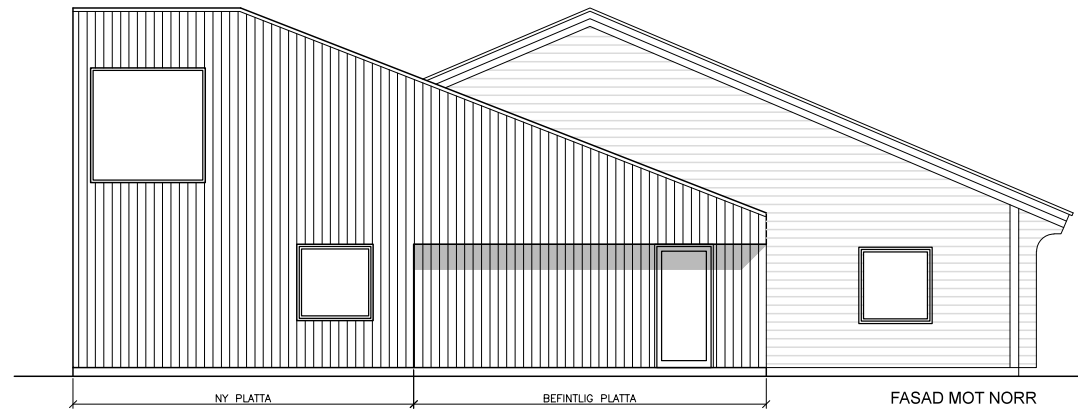
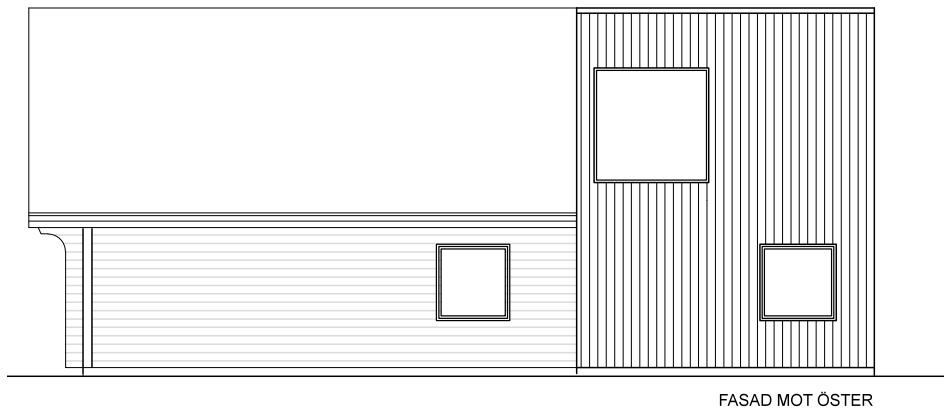


PLAN 1

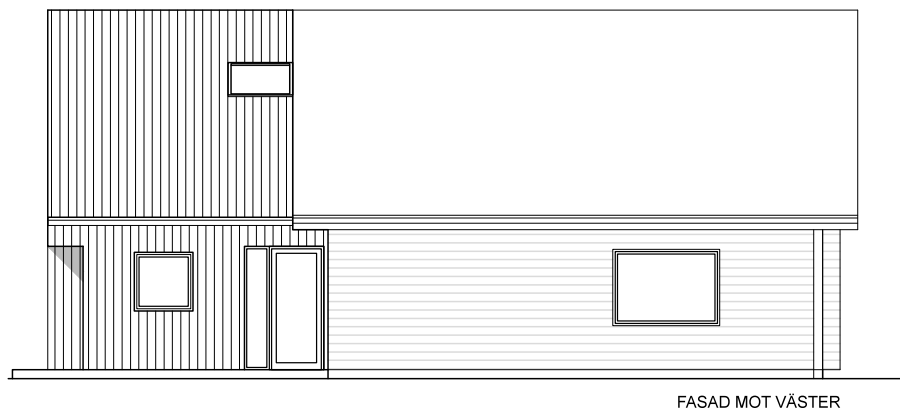


SECTION

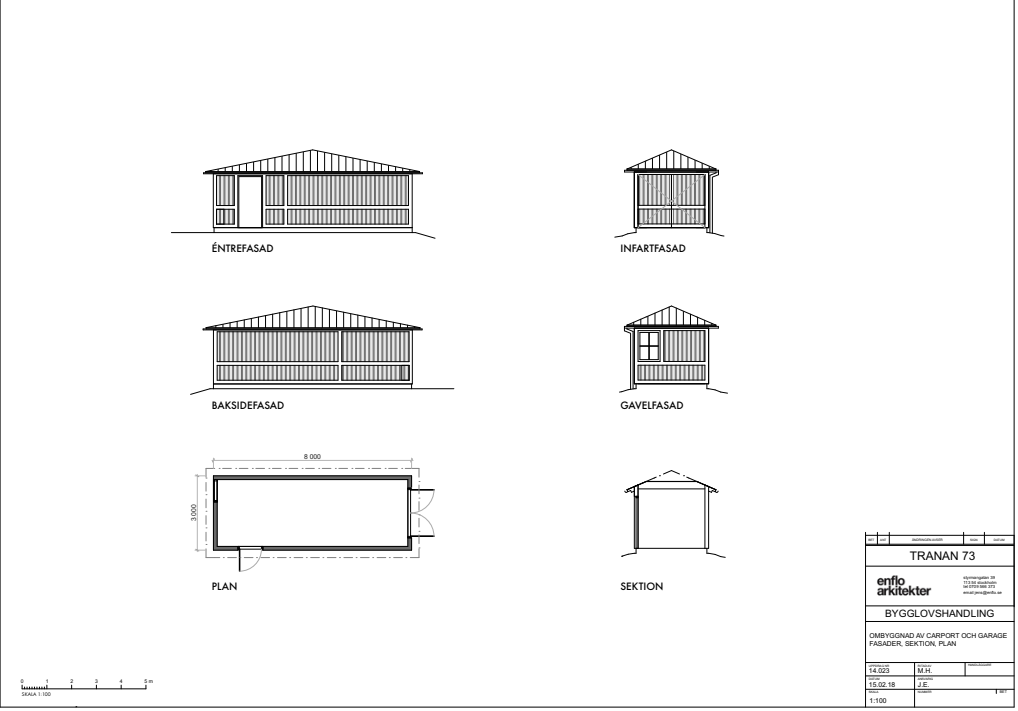
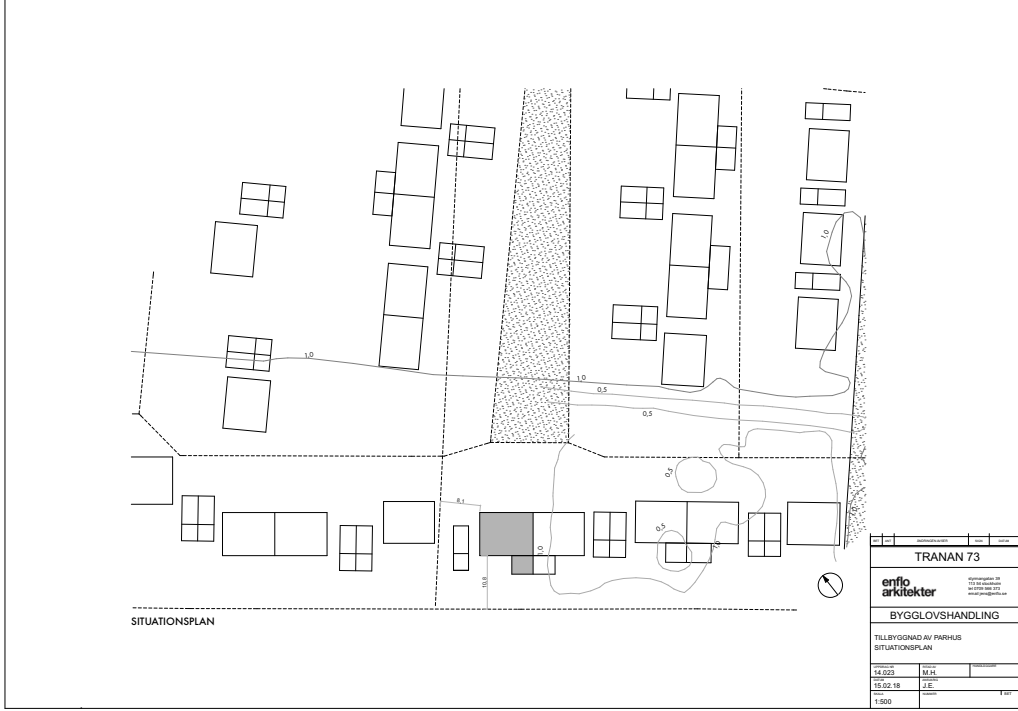




This specific solution is not the latest stage of the project, but is at a point when I let it pass onto another team. We chose this form to move forward as it proved the best solution for maximizing space and straddled the line between compliment and contrast to the original structure. The facade detailing forces a clear separation of old and new.



We also shifted the plan to allow for a conversation between old and new when seen from all elevations. This shift also allowed for the addition to express more transparency through fenestration. This made the form less massive. A depression in the north facade also created a break in the otherwise flat elevation that helped address the entrance.

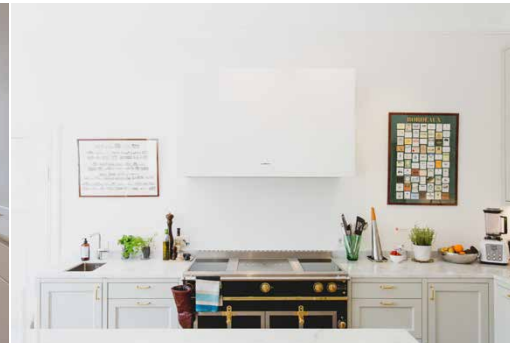


Tranan 73 is an example of a simple swedish building permit submission. The project focused on the extension of a duplex to match a neighbors recent addition as well as extend the existing garage. My task was to retain aesthetics outlined by county guidelines so that the project could move forward with the approval of the municipal board.





Additionally to design and architecture, I have an extreme interest in photography. This interest often helped in previous employment for site studies and project documentation. The image above is of a newly finished villa in the Stockholm archipelago. Directly below is a from a site study in the south of France. The bottom images are of various renovations in downtown Stockholm.



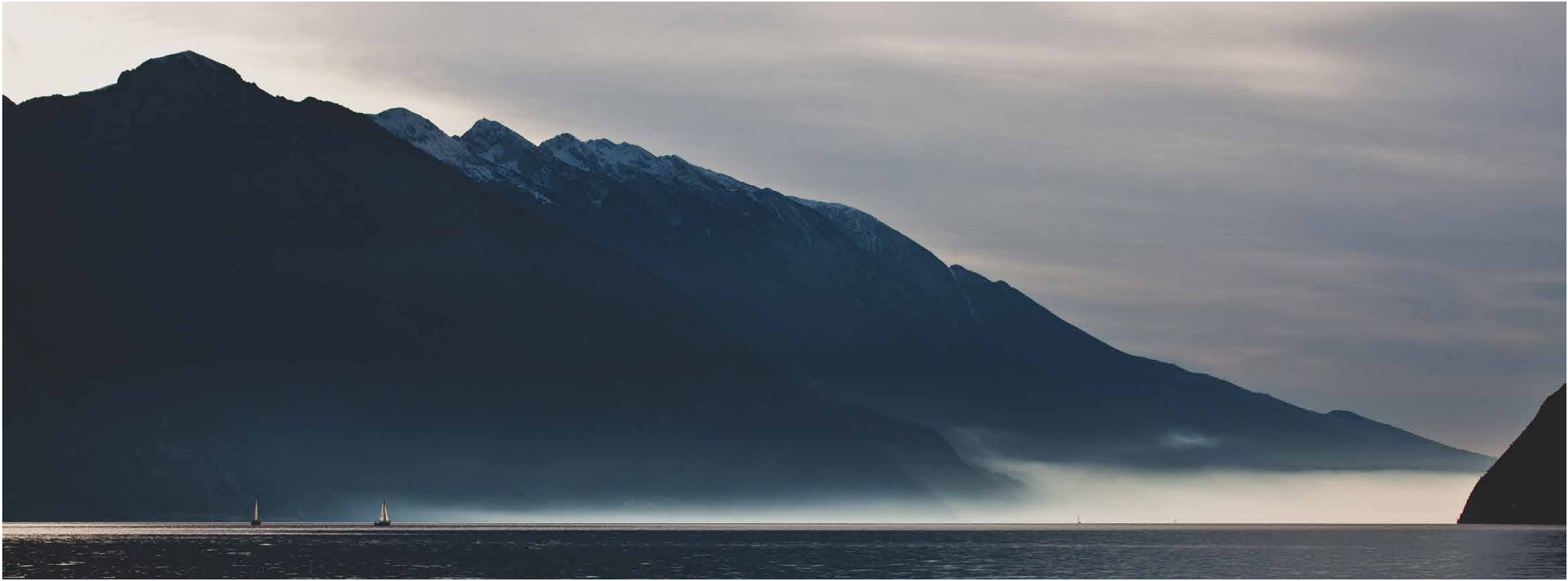








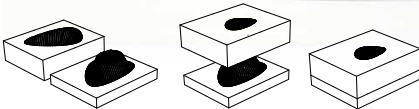








My experience in digital fabrication can be exemplified by two projects executed while studying at the University of Kentucky. The flyash projects revolved around the growing issue of waste from coal burn-off and what we could do to reappropriate that waste. Using strong chemical polymers and precision tools such as 3-axes CNCs, and vacuum-formers, I studied both the formal/structural limits of the material, such as in the Hotrod Table, and its viability in mass production with the teardrop planter.

**FLYASH2.0** TEARDROP PLANTER**FLYASH1.0** HOTROD SIDE TABLE