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Talking Tall: Ben van Berkel
“In this global society in which citizenship might transcend traditional political borders, skyscraper symbolism is distinctly provincial, a source of jurisdictional pride and power.”

Christopher Michaelson, page 20
Talking Tall: Ben van Berkel

From Block to Blob and Back Again

United Network Studio (UN Studio) is a Dutch architecture firm founded in 1988 by Ben van Berkel and Caroline Bos, which in the 2000s established offices in Shanghai and Hong Kong, partly to accommodate the firm’s increasing number of highly detailed and demanding tall building projects on the Asian continent. One of these projects, the Ardmore Residence in Singapore (see Figure 1), was a finalist in this year’s CTBUH Best Tall Building Awards program. Van Berkel paused to chat with CTBUH Editor Daniel Safarik on a recent whirlwind visit to the Illinois Institute of Technology, Chicago.

We’ve seen a lot of creative projects in Singapore in the last couple of years, and I’m wondering what kind of client commissioned the Ardmore and what made them interested in having such an intricate design? How were they convinced on the morphology of that building?

The beauty of that client is their architectural background; they have worked with many interesting architects like Philip Johnson and Paul Rudolph. Also, four of the brothers of this client live in a Paul Rudolph residential building called the Concourse, so they have developed an incredible interest in architecture. Also, I like Singapore. When I was there I was fascinated with the city, its culture, and its regulations. They are quite tough in terms of their organizational needs; for instance, landscaping needs to come into the first floor of the building. These requirements are tough, and can make it very challenging to design such an articulated building, but are ultimately beneficial.

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Clearly, a client that had an appreciation of Paul Rudolph would also have an appreciation of sculptured concrete, curvilinear organic shapes, and rough materials. Exactly, and then of course we came up with the organization of the building based on the optimum views we could get within the units. So the living room area is a column-free space, with an incredibly nice span of more than 12 meters. Each apartment also has double-height windows with a longitudinally interlocking double-height balcony set into the concrete structure. This worked really well.

There is still a stigma about tall concrete buildings in North America, and to some degree in Europe, whereas people in Asia have completely accepted them. Then again, you don’t often hear “double-height windows,” and “concrete” in the same sentence. So you must have resolved that with some pretty interesting engineering.

Yes, but with the incredible knowledge of this client, I’ve noticed that collaboration is key. We also do everything digitally now – and we test these things out very early in the design process. I do it more and more, where I come up with a proposal in the preliminary and schematic design phases, and we test the slenderness of the building or the column-free living areas, and see what we can do for the sustainable components of the building. For instance, this building is totally open on the side where you have little sunlight, and it’s

“I’ve never been so worried about individual buildings, but rather the collective skyline. [In a good skyline] you don’t mind that some buildings are quite close to each other, because they have an identity as a group.”
It was a wonderful project to work on and we only had 1.5 years to build it. The client took a lot of time to develop the project, around three years, but we had very little time to build it.

So once you began construction there was no going back?
Correct. For that reason I could show you in detailed drawings that there are 16 modular elements for the entire façade structure that could be pulled and twisted in many different ways. They were repeatedly used in different areas of the building. In this way, we developed a highly efficient strategy for making quite a complex building.

The appearance of the building suggests that it is hewn out of a solid piece of rock, but it seems that nothing could be further from the truth. Did you use modifiable formwork, or did you pre-cast the concrete and raise it up?
We precasted it, but it was interesting, because the Japanese contractor that was used had techniques to move up the casting while they were moving up the building, and they did a lot of casting on the spot. They said that it was the quickest way for them to operate. So they moved upward every day, and the crane would lift the next piece into place while workers completed the previous section.

You mentioned that you like Singapore and the constraints that it presented. It seems like a very civilized place. I have seen a statistic that 80% of people in Singapore live in high-rise public housing, and probably close to another 10% live in market-rate high-rise housing. Why do you think they have taken so well to high-rise living in Singapore?
You know, it’s the opposite of high-rise living in Europe, where it used to be more common. Today, to lure tenants, high-rises are complemented by increased services and amenities. On the other hand, in Singapore, they are better controlled. There are people that take care of the public spaces, and tenants pay fees to ensure proper maintenance. A sense of community is also generated when long-term tenants agree on new ways to maintain their building. So it’s quite well organized.

It sounds a little bit like the New York co-op model.
The advantage that many clients like when they buy a high-rise unit is that they have, as a community, a say into how they would like to maintain the building. This concept can be very beneficial for some projects.

It is one that I am trying to instill in another project we are working on in London, called Canaletto (see Figures 2 and 3). It’s another high-rise we are doing in the area of Islington, which we characterized as a “neighborhood in the sky.” While developing the project, we thought a lot about context, where, in this case, there are a lot of startup companies. The whole area has been an inspiration, as has the client. They want to include all kinds of crazy amenities, like a restaurant on the ground floor where people can meet and interact with their neighbors.

How is it different facilitating a community environment in London rather than Singapore?
The thing that’s so nice about the market in London is that it is younger, if more commercial. So when I proposed to them the idea of a neighborhood in the sky, I presented it as a type of social enterprise that informs how the building could be used. We want the young entrepreneurs to be able to buy these units, and the price structure of units in this building helps with that. There are affordable units and also very expensive units, and they all share these types of amenities like restaurants, a cinema for families, a gym, a pool, and a club. So we took a contemporary approach when looking at how we could fill in the commercial component.

What I’ve learned over the years, even when we do a department store, we say to the client, “Why don’t you think of a department store that looks like a museum?”; because objects in a museum are also fetish objects. When Andy Warhol talked about his fascination with shopping, he talked about...
about the different qualities of apartments works very well for clients when you talk. For instance, the “neighborhood in the sky” idea. I tell them, “Why don’t you do building from bottom to top? How can we work against this at the rate that we need to be building urbanizing 250 million people in a dozen years, only to be followed and surpassed by India. A lot of high-rise designs are just a continuous extruded floor plan that goes. So in this project you have almost a few. But as a skyline, they look quite beautiful. So I’ve never been so worried about individual buildings, but rather the collective skyline. This is where the quality of urban planners comes in. In Singapore they do this very well, with planners looking critically at where high-rises and density can take place. It is amazing; when you’re there you don’t mind that some buildings are quite close to each other, because they have an identity as a group.

Some of your buildings appear to be in motion or in the midst of a transition, frozen in time, which is kind of an interesting way to think about development in rapidly developing places like China. You mentioned previously that you find the restrictiveness of Singapore to be a benefit in terms of getting good architecture built. How do you feel about China? China is a little bit more difficult. In China, I wish that the regulations were a bit tougher sometimes. It’s a bit more complex, because a client might be over-organized and have very strict reasons for the building having a certain type of organization. So I’ve had to learn over the years to convince clients, councils, and city departments; [I’ve had] to come up with ideas that are convincing.

For instance, Raffles City in Hangzhou (see Figure 4) is going very well, but it took us an incredible effort to get the twist in the tower and for the podium to be highly articulated and very open. What the client wanted was a social, sustainable project for Hangzhou that would allow people to stay in the location a little longer, but would not require vehicles to get around. So in this project you have almost every program imaginable, in order to allow people to stay there as long as a week, which is quite amazing. ■