

The Berlage Master of Science in Architecture and Urban Design
Faculty of Architecture and the Built Environment
Delft University of Technology

Tritip (Pond) Chayasombat
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Thesis Project Plan

The Berlage.

PERSONAL INFORMATION	
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ABOUT THE THESIS PROJECT	
Thesis project title	Regional Criticism: Towards Architecture of Resistance
Thesis advisor 1	Ido Avissar
Thesis advisor 2	Thomas Weaver
Thesis project description	
<p>Seeking to have an alternative design solution by means architectural element that answer not only to developer needs or mass trend but also to the context and architect's design agenda within Thailand's built-environment.</p>	
Thesis project site	
<p>I-Space Residence, Chonburi Province, Thailand</p>	
Thesis project outcome	
<p>A catalogue of experimental elements will be created through a set of physical models and drawings, aiming towards a widespread use in commercial and mass production by a standardized system in which these new units can be compatible both with the existing and the new building types.</p>	
Relevance	
<p>Thai architecture used to be unique and suitable for its context. However, since Western colonization reached Thailand, we have gradually lost characteristics of its indigenous culture in the battle to seek acceptance from others. Up until now, we have reached the peak of a consumerist society and have aimed towards the better-than-good life by developing modern living environment to reach such a status quo. As a consequence, vertical living lifestyle is greatly in demand. Uncountable high-rise dwellings are emerging along the new infrastructure network all over the country. These types of developments disregard the traditional evolution to Westernized and luxurious style, while highly favor construction methods that are easy, fast, standardized and cheap enough to be feasible. Resulting in people adapting themselves to the created contexts instead of their natural one. Using unsuited design and elements to reach the stereotypical 'dream' architecture as appeared in advertisements not only affects the overall life quality but also the environment in general. The proposal aims to find a more sustainable solution that can tackle the root cause instead of their most apparent consequences. Ultimately, it aims to create a system that can be implemented elsewhere.</p>	
Bibliography of literature, precedents, and references	
<ul style="list-style-type: none"> Frampton, Kenneth. "Towards a Critical Regionalism: Six Points for an Architecture of Resistance." In <i>The Anti-Aesthetic. Essays on Postmodern Culture</i>. Seattle: Bay Press, 1983. Lefavre, Liane, and Alexander Tzonis. <i>Architecture of Regionalism in the Age of Globalization: Peaks and Valleys in the Flat World</i>. Abingdon, Oxon: Routledge, 2012. Tzonis, Alexander. <i>Tropical Architecture: Critical Regionalism in the Age of Globalization</i>. Chichester: Wiley-Academic ;, 2001. Nalbantoglu, Gülsüm Baydar, and Wong Chong Thai, eds. <i>Postcolonial Space(s)</i>. New York: Princeton Architectural Press, 1997. Ricoeur, Paul. "Universal Civilization and National Cultures." In <i>History and Truth</i>, 275-278. Evanston: Northwestern University Press, 1965. W. Moore, Jason. "The Capitalocene Part I: On the Nature & Origins of Our Ecological Crisis." 2014. Accessed June 22, 2015. http://www.jasonwmoore.com/uploads/The_Capitalocene__Part_I__June_2014.pdf. Haraway, Donna. "SF: String Figures, Multispecies Muddles; Staying with the Trouble", Lecture given at the Visual Arts & Design Forum, University of Alberta Faculty Club, March 2014. Alexander, Christopher, and Sara Ishikawa. <i>A Pattern Language: Towns, Buildings, Construction</i>. New York: Oxford University Press, 1977. Neufert, Ernst, and John Thackara. <i>Architects' Data</i>. 2d (international) English ed. London: Granada ;, 1980. Alonso, Pedro, and Hugo Palmarola. <i>Panel</i>. London, 2014. Ruby, Ilka. <i>Druot, Lacaton & Vasal, Tour Bois Le Prêtre</i>. Berlin: Ruby Press, 2012. Rezzonico, Giulia, and Rem Koolhaas. <i>Elements of Venice</i>. 2014. Smith, Philip, and John Goss. <i>Very Thai: Everyday Popular Culture</i>. Tatien, Bangkok: River Books, 2005. 	

- Jongjairuk, Ruthai. *Traditional Thai House*. ASA Publishing, 1996.
- Brunner, Roman. *Climate as a Design Factor*. Quart Architektur, 2014.
- Lehnerer, Alex, and Kees Christiaanse. *Grand Urban Rules*. Rotterdam: 010 Publishers, 2009.

Structure and method

- Frame typical high-rise residential units that emerge within the dense city development as a building type. Use a particular case: 'I-Space Residence' by Atelier of Architects as a trial and error example.
- Trace back the story of the case study on how it was initiated, designed, built and occupied.
- Breakdown list of questions from the hypothesis into 4 topics that each will have its own method of study through the case study:
 - Status Quo
 - Using the case study type marketing tools (i.e.: TV ad, brochures, website) and translate them into spatial quality.
 - Consumerism and Architecture
 - By using BIM programs to help calculate the economical sense of each design possibility. Using the case study as a sample calculation.
 - Climatic Context
 - Examine spatial quality with the parameters of temperature, wind, sun, and water. Note: Vernacular architecture will also be studied under this topic aiming to be seen as climatic consequences through time.
 - Standardization
 - By using human scale, regulations and existing system to create an example of suitable measurement.
- All 4 topics will be combined together in the design stage.
 - Compile architectural elements that consist within such type.
 - Re-interpret/re-shuffle/re-design it by reflecting upon the studied 4 topics.
 - Create a matrix of choices generated from different variables.
- Reflect the trial elements back into the initial type to learn how the space responds and transform.
- Expanding the result to other cases, i.e. different period within modern Thai Architecture, different specific region, and different elements.

Final schedule and time planning

WK 1.1 31 Aug–4 Sept

Compulsory kick-off workshop on presentation on Friday, 4 September 2015

WK 1.2 7–11 Sept

Thesis advisor meeting with Ido Avissar, Salomon Frausto, or Stefano Milani on Friday, 11 September 2015

Trace back the story of the case study on how it was initiated, designed, built and occupied.

Topic 01 Statue Quo: Using the case study type marketing tools (i.e.: TV ad, brochures, website) and translate them into spatial quality.

WK 1.3 14–18 Sept

Super pin-up with Atelier Bow-Wow on Thursday, 17 September

Thesis advisor meeting with Thomas Weaver on Friday, 18 September 2015

Topic 02 Consumerism and Architecture: By using BIM programs to help calculate the economical sense of each design possibility. Using the case study as a sample calculation.

WK 1.4 21–25 Sept

Thesis advisor meeting with Ido Avissar, Salomon Frausto, or Stefano Milani on Friday, 25 September 2015

Topic 03 Climatic Contexts: Examine the building's spatial quality with the parameters of temperature, wind, sun, and water.

Note: Vernacular architecture will also be studied under this topic aiming to be seen as climatic consequences through time.

Topic 04 Standardization: By using a local human scale, regulations and existing system to create an example of suitable measurement.

W 1.5 28 Sept–2 Oct

Thesis advisor meeting with Thomas Weaver on Friday, 2 October 2015

Refinement of the results from all 4 topics.

Combining and linking the results from all 4 topics together.

Build a draft structure of the possible outcome (i.e. catalogue, set of physical models).

WK 1.6 5 Oct–9 Oct

Drawing workshop with Atelier Bow-Wow on Monday and Tuesday, 5 and 6 October 2015

Thesis advisor meeting with Ido Avissar, Salomon Frausto, or Stefano Milani on Friday, 9 October 2015

Start reflecting all 4 topics it into sample designs by using I-Space Residence as the trial and error case study.

Work on the midterm presentation deliverables.

WK 1.7 12–16 Oct

Compulsory midterm presentation with thesis exam committee and thesis advisors on Friday, 16 October 2015

WK 1.8 19 Oct–23 Oct

Thesis advisor meeting with Thomas Weaver on Friday, 23 October 2015

Reflect upon midterm comments.

Create a matrix of multiple design options from different variables.

Plan out the process of physical model making.

WK 1.9 26 Oct–30 Oct

Thesis advisor meeting with Ido Avissar, Salomon Frausto, or Stefano Milani on Friday, 30 October 2015

Reflect the trail elements back into the initial type to learn how the space responds and transform.

Expanding the result to other cases such as different buildings, different region and explore the results.

Building physical models, selected from the matrix.

WK 2.0 2 Nov– 6 Nov

Work on the before and after scenario of the case study.

Building physical models, selected from the matrix.

WK 2.1 9 Nov– 13 Nov

Work on the before and after scenario of the case study.

Building physical models, selected from the matrix.

WK 2.2 16 Nov– 20 Nov

MSc1 and MSc 3 midterm presentations with Atelier Bow-Wow on Monday and Tuesday, 16 and 17 November 2015

Super conversation dinner with Atelier Bow-Wow on Tuesday, 17 November 2015

Thesis advisor meeting with Ido Avissar, Salomon Frausto, or Stefano Milani on Friday, 20 November 2015

Building physical models from the matrix.

Editing and refinement of prior works.

WK 2.3 23 Nov– 27 Nov

Editing and refinement of prior works.

WK 2.4 30 Nov–4 Dec

Dress rehearsal with thesis advisors on Friday, 4 December 2015

WK 2.5 7 Dec–11 Dec

E2 presentations with thesis exam committee and thesis advisors on Thursday and Friday, 10 and 11 December 2015

Super pin-up with Atelier Bow-Wow on Monday, 7 December 2015

WK 2.6 14–18 Dec

Postproduction workshop 1

WK 2.7 4–8 Jan

Postproduction workshop 2

WK 2.8 11–15 Jan

Postproduction workshop 3

WK 2.9 18–22 Jan

Postproduction workshop 4

MSc1 and MSc 3 final presentations with Atelier Bow-Wow on Monday and Tuesday, 18 and 19 January 2016

Super conversation dinner with Atelier Bow-Wow Tuesday, 16 January 2016

WK 2.10 25–29 Jan

E3 on Thursday–Friday, 28–29 January 2016