



PRIN LAOWTRAKUL (MEE)

a set designer | an architect

PORTFOLIO

selected works 2017 - 2021



PRIN [MEE] LAOWTRAKUL

a energetic young designer, who loves experiments
of spatial design, technologies, and people habits;

Open minded | Team Player | Problem Solver | Fast Learner

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- plaoowtrakul@gmail.com
- Prin Laowtrakul
- 19th April 1995
- 173 Chimplee rd. Talingchan Bangkok, Thailand

PROFESSIONAL EXPERIENCES

AUG 2019 - CURRENT Set Designer | H.U.I co.,Ltd.

- Designing Set, Stage, Prop, Installation for concerts and more, with the Team
- Dealing with clients in design development process
- Scenic Designing and Working with Motion Graphic team to product the work
- Communicating with suppliers with As-Built drawing for prepatation and during Set up time
- Operating the show with the Team
- Communicate with Backstage and Stage Management team for Show Running

Achievements:

2021

- Music Video: คนคิดเล็ก - Potabo [Set Design / Art Direct]
- Online Event: Amway Conference (NLC/NC) [Set Design & Camera Cueing]

2020

- Event: Pup Toei The Wedding [Set Design]
- Concert: BMMF11 : Chic Stage [Design Direct]
- Concert: The Gentlemen Live [Set & Scenic Design]
- Installation: The Forest Exhibition [Set Design]
- Music Video: เจ้าป่า - Bowkylion [Set Design]
- Online Event: ALIANZ Sunday Together Online Concert [Set Design & Camera Cueing]
- Music Video: สบไม่ได้อะไรให้ใคร XR ver. - Ink Warunthon [Set Design & Camera Cueing]
- Online Concert: KLEAR x H.U.I. XR Concert [Set Design & Camera Cueing]
- Online Concert: Nont Tanont It's yours : Interactive live [Set & Scenic Design & Camera Cueing]
- Online Concert: GMM Online Music Festival [Set & Scenic Design]
- Online Concert: Top Hits Thailand Music Festival H.U.I.xWhattheduck [Set & Soenic Design]
- Online Concert: What and Dolph Online Market [Set Design]
- Concert: Aof Magic Night Concert [Set Design]
- Concert: Bodyslam นักรบ 1 ถึง 7 [Set Design]

2019

- Concert: White Party BKK2020 [Scenic Design]
- Concert: BMMF10 : Ferris Wheel Stage [Set Design]
- Concert: Lovels Homecoming Concert [Set Design]
- Concert: Joax Top 100th 2019 [Set Design]
- Concert: The Rhythm of Beau Sunita [Set & Scenic Design]
- Concert: JAMFEST2 [Set Design]
- Concert: Tata Young My Perfection [Set Design]
- Concert: The Toys Loy on Mars [Set Design]
- Concert: What and Dolph Fish Market [Set Design]
- Concert: J Adrenaline 360 [Set Design]
- Concert: The Rapper All Star [Set Design]

- 2018 JUN -AUG Internship : UX Designer - Interface - User Experience Design, Unity Script (C#)
ANY I MEDIA | Bangkok, Thailand
- 2017 - 2018 OCT - MAY Graphic Designer - designed all online - on ground medias
TEDxThammasatU2018
- 2016 JUN - AUG Internship : Junior Architect - House - Detail Design
M.O.L. STUDIO | Bangkok, Thailand

EDUCATION

- 2017 - 2019 Master in Architecture [Information Technology in Architecture]
THESIS : Guideline for Using Genetic Algorithm In Architectural Design [2019]
Faculty of Architecture and Planning | Thammasat University | Pathumtani,Thailand
- 2013 - 2016 Bachelor of Science In Architecture
Faculty of Architecture and Planning | Thammasat University | Pathumtani,Thailand
- 2007 - 2013 Highschool Certification
Assumption College | Bangkok, Thailand
- 2011 - 2012 Highschool Cultural Exchange Program [USA]
Cassadaga Valley Highschool, New York, USA
iStudy Thailand

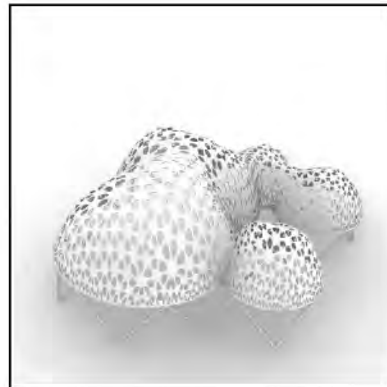
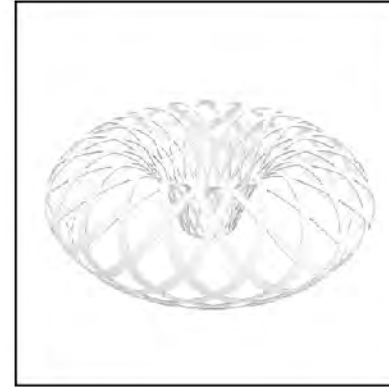
KEY SKILLS

- Design Softwares Intermediate : 3dsmax, Vray, Rhinoceros, Grasshopper, Autocad, Sketch Up, Adobe PS, AI
Moderate : Revit, Vectorworks, Unreal Engine, Unity, Processing, Python/C# Scripting, Adobe PR,AE,IN,XD, Touch Designer, Arduino
- Interests VR, AR, XR Production, Projection Mapping, Mo-cap, 3D Printing, Laser Cutting, Blockchain, UX UI, Creative Coding
- Language Intermediate : Thai, English
Moderate : Python, C#, HTML-CSS

ACTIVITIES

- Hobbies Drum Set, Piano, Running, Basketball, Taekwondo, Concert Hopping, Reading
- University CLICK's Staff 2018 - Innovation center's staff
Speaker at TREA Talks 2017 : Eco Business District
Vice President of Student Council in 2017
Co President of Music Club in 2017
Music Production Staff in Faculty's Stage Play 2016
Faculty's Cheerleader
Studio Teacher Assistant

COMPUTATIONAL DESIGN



SOME OF MY EXPERIMENTS USING RHINO + GRASSHOPPER DID A SKETCH DESIGN IDEAS

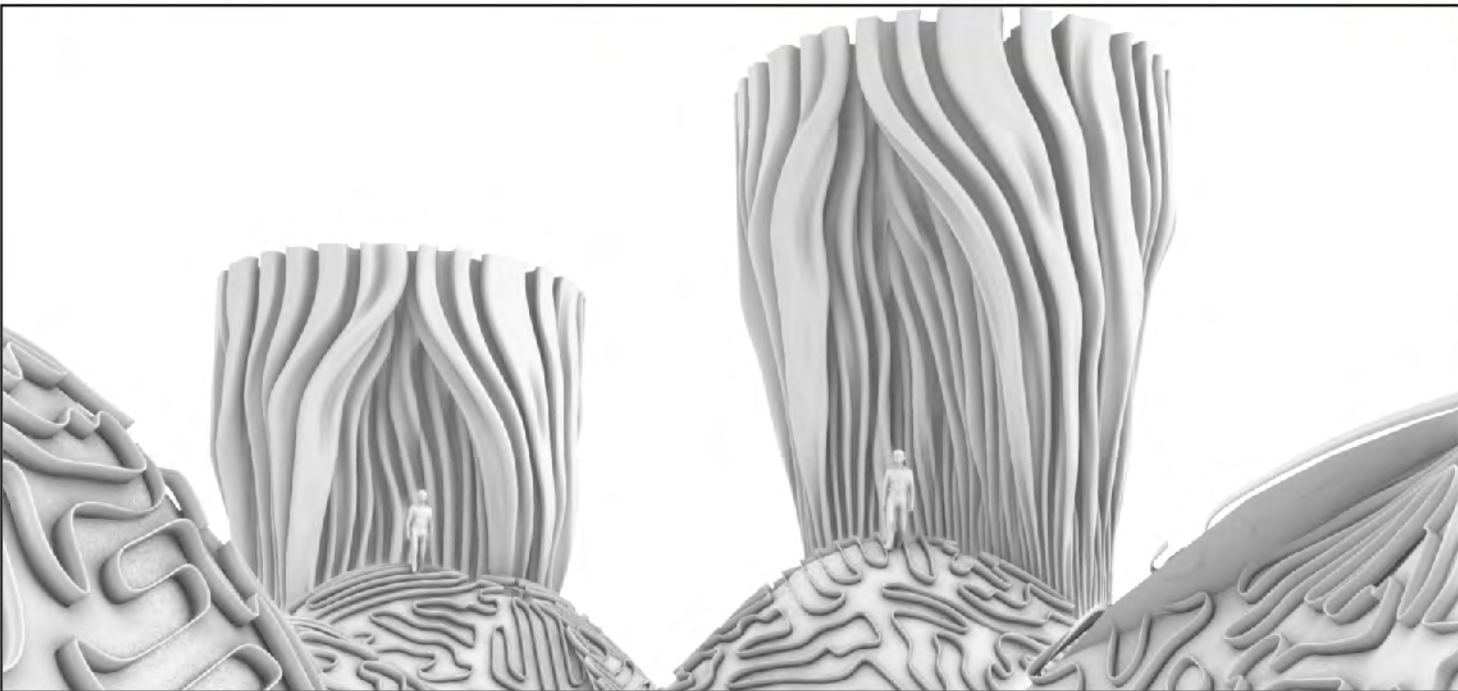


'THE GROOTS'

Conceptual Stage Design Experiment
by Rhino + Grasshopper + Python Scripting

Method Used: Fractal / Recursion

Post Prod by Unreal Engine4 + PS



'THE CORAL HIGHLAND'

Conceptual Stage Design Experiment
by Rhino + Grasshopper

Method Used: Growth Simulation

AR788 Programming for Architectural Simulation THAMMASAT UNIVERSITY 2018

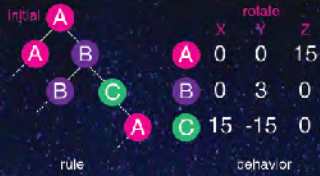
L - 2077.

FUTURISTIC ARCHITECTURE BY LINDENMAYER SYSTEM

Abstract

L - 2077, an futuristic architecture, is inspired by L-System method (Lindenmayer system), which a parallel rewriting system and a type of formal grammar. An L-system consists of an alphabet of symbols that can be used to make strings, a collection of production rules that expand each symbol into some larger string of symbols

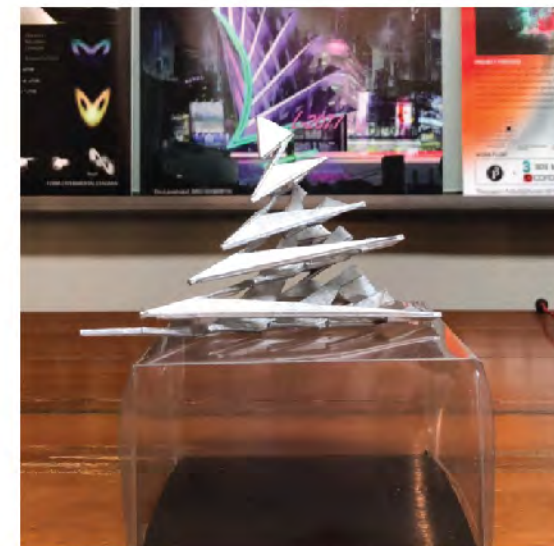
Method Explanation



Form Diagram



Elevation



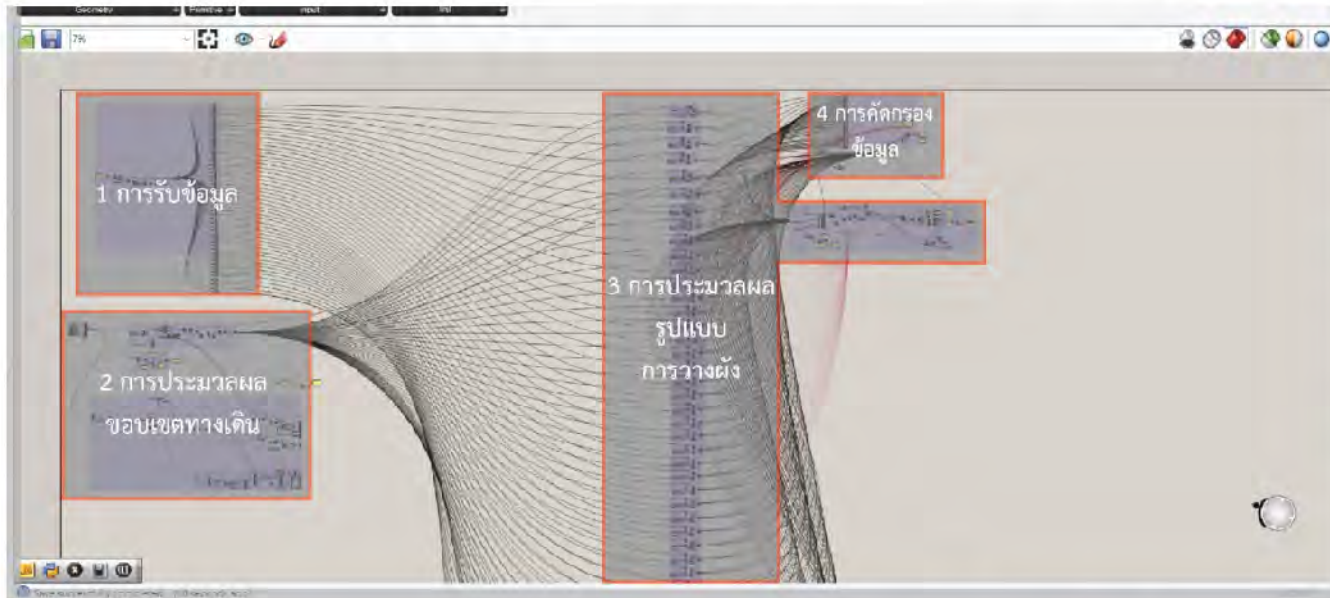
Conceptual Design for Studio Assignment

Scripted by Processing + 3dsmax

Method Used: L-System

THESIS

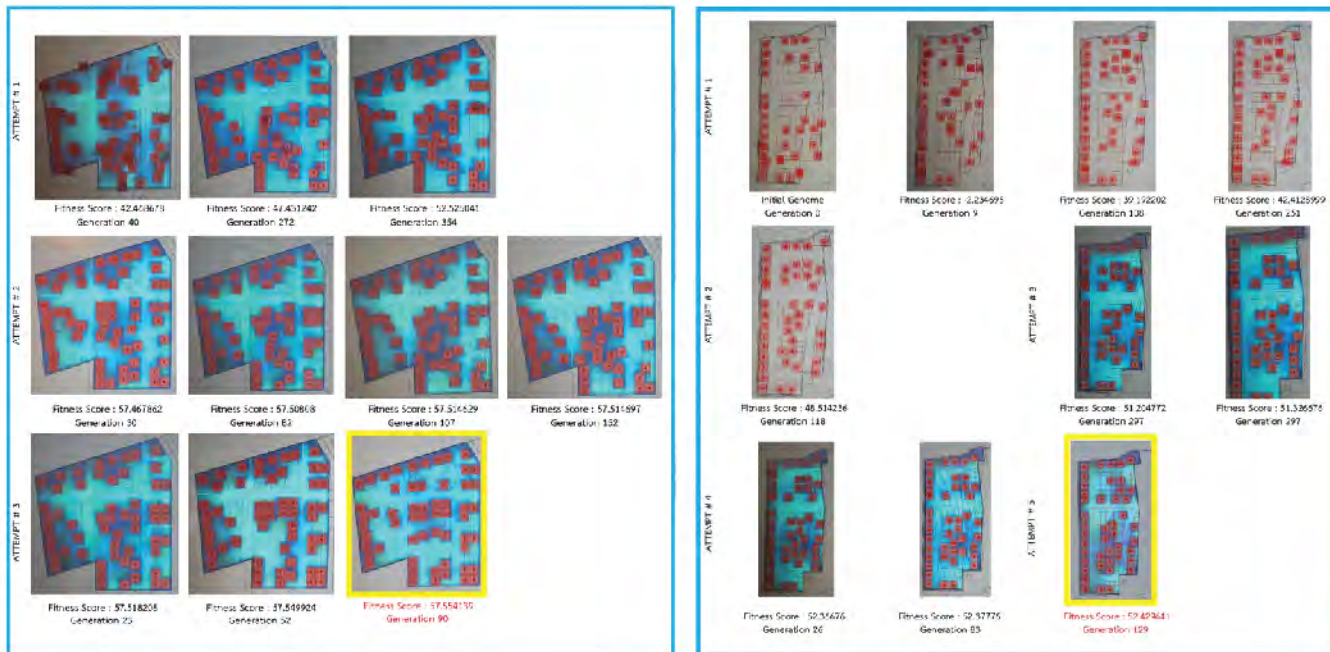
GUIDELINE FOR USING GENERIC ALGORITHM IN ARCHITECTURAL DESIGN



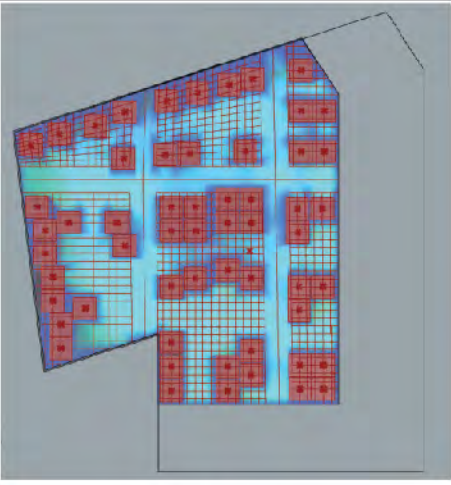
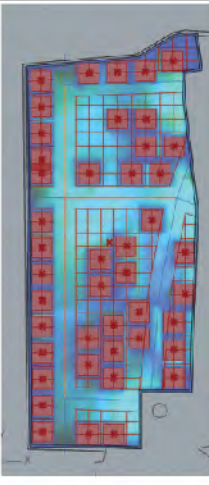
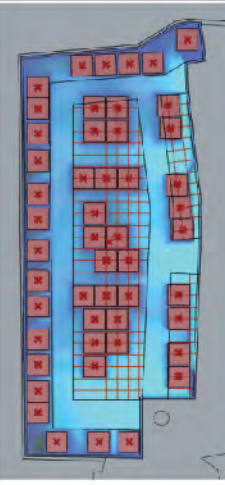
Using community mall projects as case studies to optimizing its planning for the best solution, which had an objective to reduce blind spot in planning, shortest the walking path, and maximize sell areas.

I used Rhino and Grasshopper to studied and developed my research. Plugins I used are Galapagos, Octopus, Decoding Space.

This is summary of my grasshopper script workflow, which divided by 4 parts.



These are series of generated planning from gh script. There are two malls that I used its existing plan to developed in this project.

TYPE			
ISOVIST	0.554139	0.429641	0.449376
TIME	27hr	22hr	17hr
GEN	596	878	847

The table shows the best solution that came out within 1.5 days of generating, which their ISOVIST scores are higher than the existing plan.



These are some of perspective that I made from the computer generated plan. All Opening area seems to clear all stores facade from walking path.

INTERACTION DESIGN



postIT.

Interactive Wall

(by Processing + Projection Mapping)



Video



P.O.D. SUIT MARK 0

Interactive Waterwar Suit

(by Arduino)



Video



d.BIRD

Interactive Bird Releasing Merit

(by Processing + Projection Mapping)



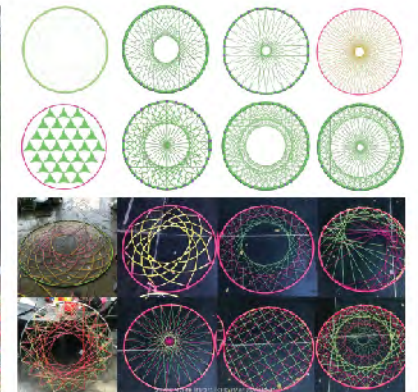
Video

SET DESIGN

BIG MOUNTAIN MUSIC FESTIVAL 11 : CHIC STAGE | DESIGN DIRECTOR

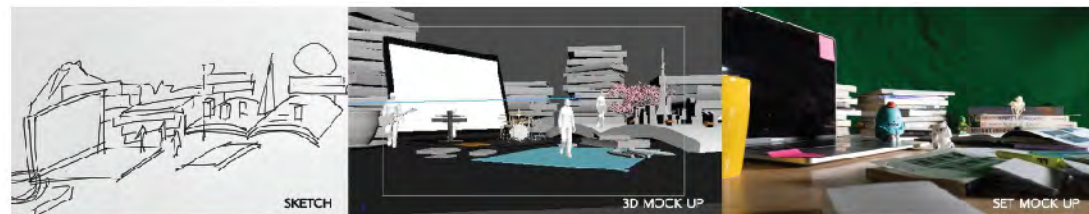
Concept: Dream Catcher Forest

SET DESIGN | SCENIC DESIGN | LIGHTING DESIGN | STAGE MANAGEMENT



MUSIC VIDEO : คนตัวเล็ก - Potato | SET DESIGNER - ART DIRECT
SET DESIGN | ART DIRECTION | SET OPERATION

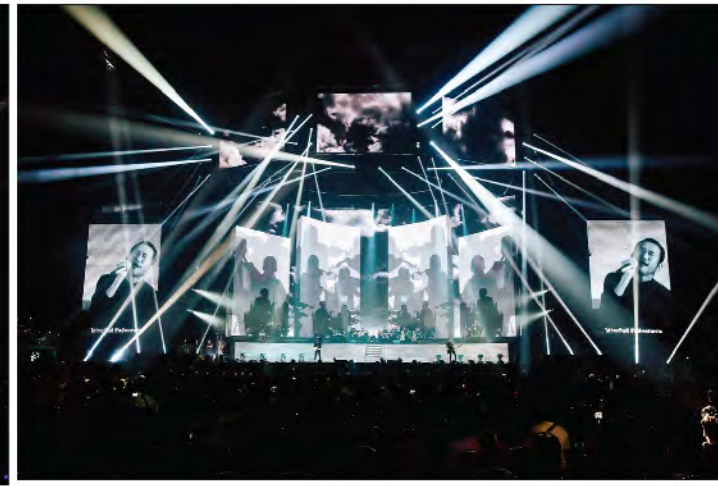
<https://youtu.be/uuB7lx-wsMM>



CONCERT: THE GENTLEMEN LIVE | SET DESIGNER

Concept: Gentlemen Space

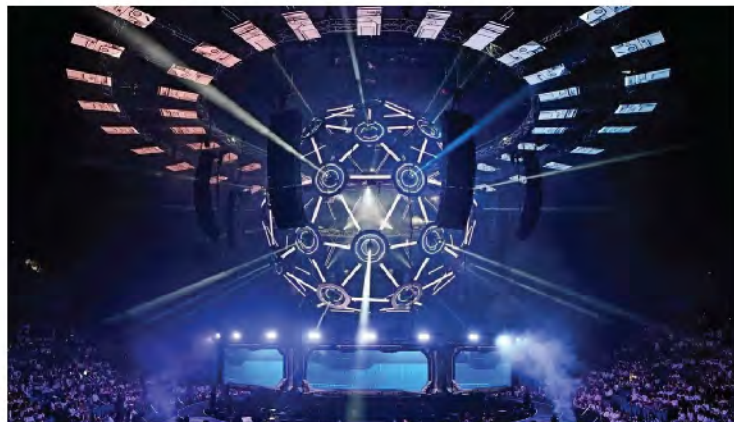
SET DESIGN | SCENIC DESIGN



CONCERT: J ADRENALINE 360

Concept: Geodesic Deathstar

SET DESIGN | STAGE MANAGEMENT



CONCERT: BODYSLAM นั้บ 1-7

SET DESIGN | STAGE MANAGEMENT



ONLINE CONCERT: TOP HITS MUSIC FESTIVAL

SET DESIGN | SCENIC DESIGN | STAGE MANAGEMENT



ARCHITECTURAL DESIGN



CH. Engineering Group Head Office

Location : Pathumtani, Thailand

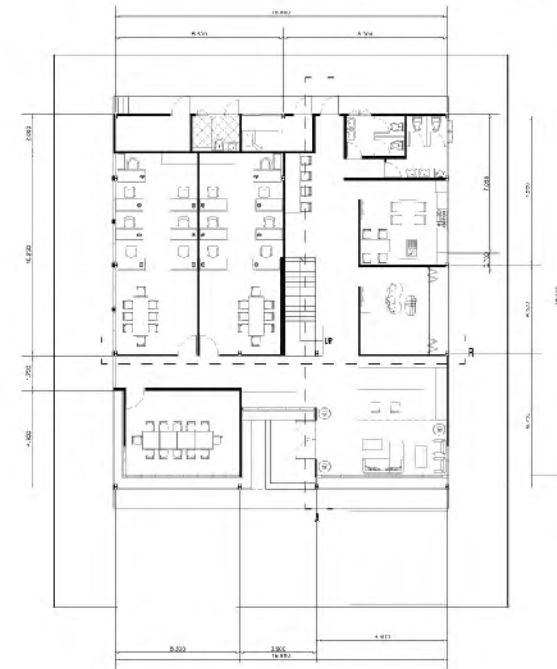
Size : 322 sq.m

“Office that feels like home but not a home office”. Engineering Office is a perfect match with industrial design, all of the roughness are fit in to modern formed architecture to keep it look cool, and credible at the same time.





APPROACH VIEW FROM ROAD



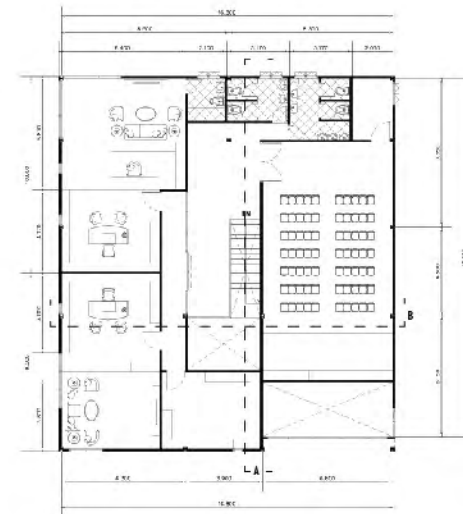
GROUND FL PLAN



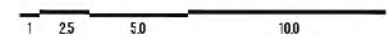
RECEPTION



Hallway



SECOND FL PLAN

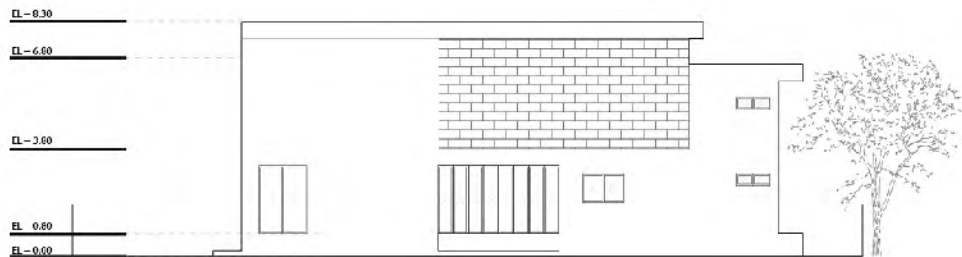




Working Room (Engineer)



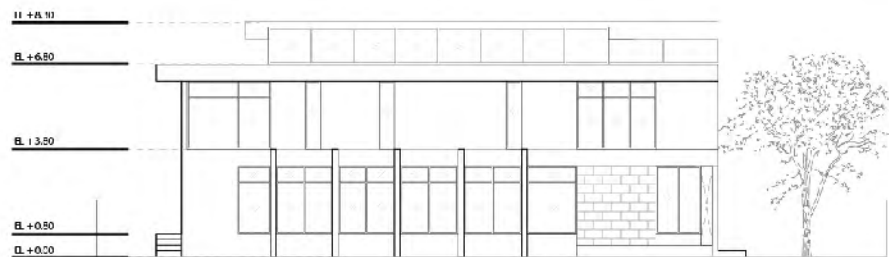
Kitchen



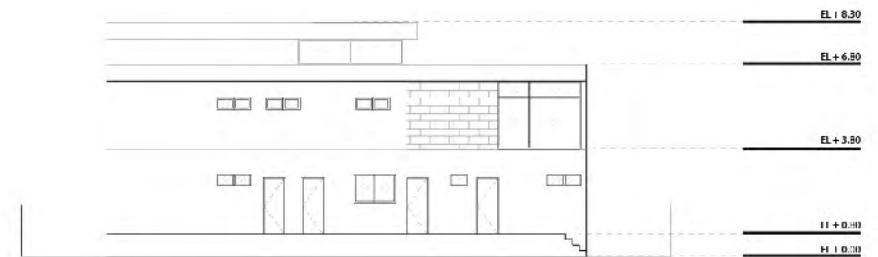
RIGHT ELEVATION



FRONT ELEVATION



LEFT ELEVATION



BACK ELEVATION





Wanderlust Tree

Location : Standalone

Purpose : Design Competition

Have you ever get tired from a long travel trip and you got no place to fully charged your energy? Cafe Amzon will be a place from modern traveller to rest and gathering wanderlust's society. Not like other cafe of coffee store at rest area, but Wanderlust Tree will be new generation of Adventurer Stop point ! Just grab your cup and bag and go explore the world !

CAFE AMAZON AWAKE AWARD 2016 BY PTT THAILAND



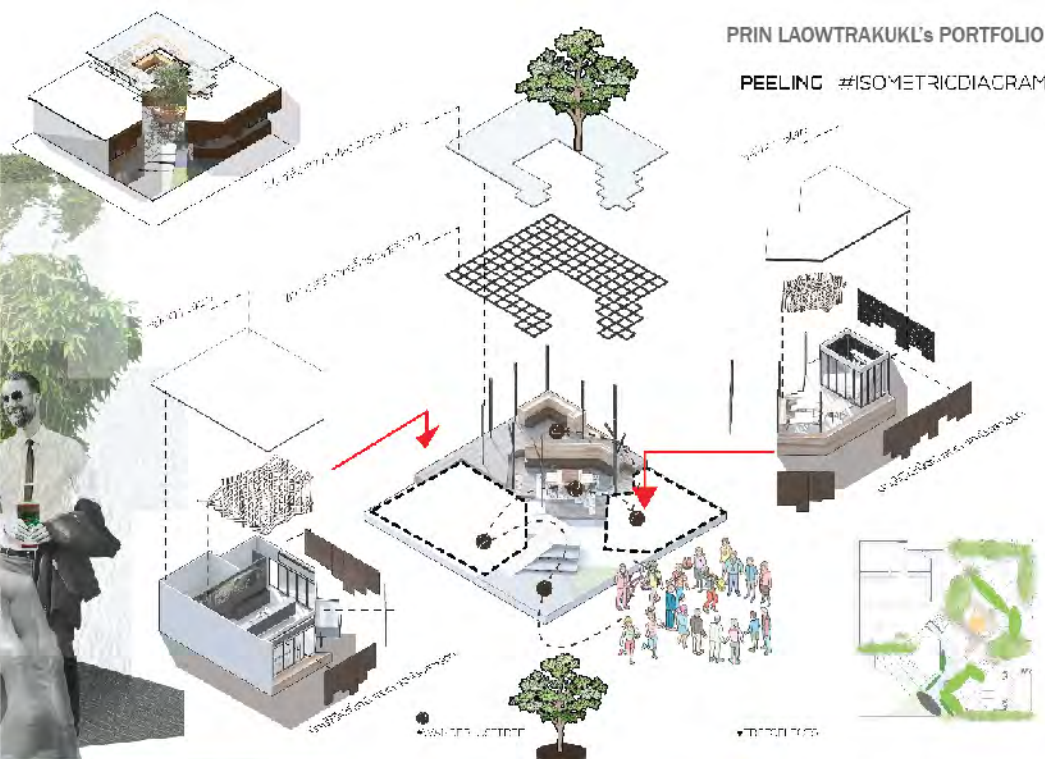


WANDERLUST TREE

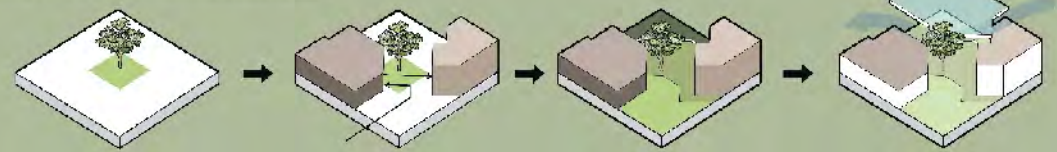
#bycafeamazon

Wanderlust Tree is a modern, eco-friendly building designed for a cafe and community space. It features a central courtyard with a large tree, surrounded by multi-level seating and a green wall. The building is designed to be a sustainable and social hub for the community.

PEELING #ISOMETRICDIAGRAM



FORMDIAGRAM #MASSDESIGN



The form diagram illustrates the building's massing and how it integrates with the surrounding landscape. It shows the building's footprint, the central courtyard, and the green wall. The diagram is divided into four stages: 1. Site context, 2. Building footprint, 3. Building massing, and 4. Building with landscape integration.

INTERIORDESIGN #PURSELECTS



MASTERPLAN #SCALE1:75



The master plan shows the overall layout of the cafe, including the building, courtyard, and surrounding area. It is designed to be a sustainable and social hub for the community.



#WANDERLUSTTREE



Degradable Shader

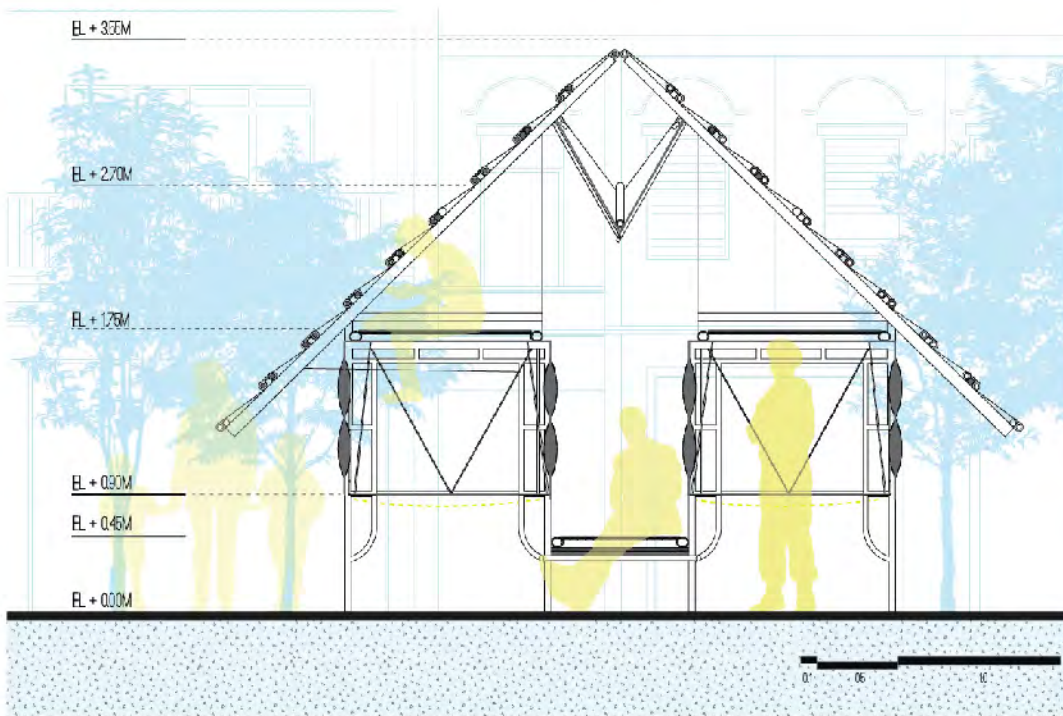
Location : Standalone

Size : 10 – 15 sq.m.

Purpose : Material experimental

In present, industrial era, there are varieties of materials that have been using in construction industrial around the world, we can say that most of those materials look highly innovative and effective during these days. Nevertheless, Does it sustain enough for this world? Is it highly effective in all of their life time? the answer is "it's not". In case of construction waste, concrete has produced un degradable waste, and it also create concrete fragment after its life. This is what we use the most in construction industrial. However, there are some methods about construction waste minimization, and waste management concept, which become a initial point of this project to use alternative material in architecture and make it environmental friendly during all of its life time. It is "Natural fabric"





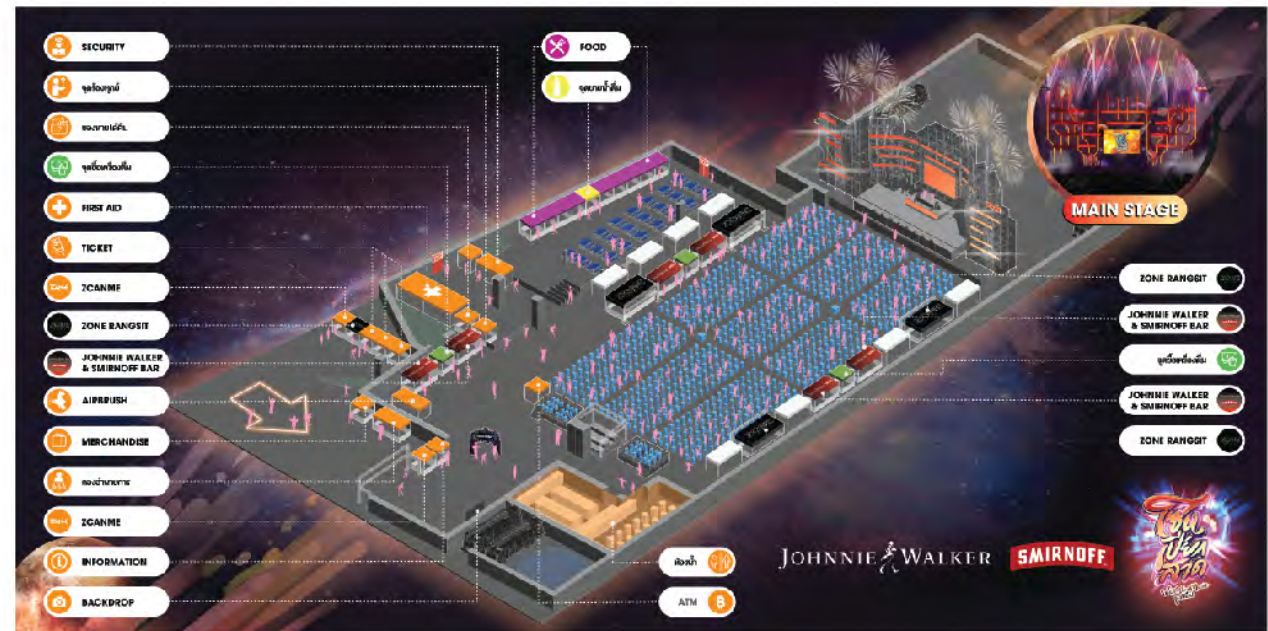
SECTION DRAWING

One module of d.Shader will fit 1-2 people. Its function is for multipurpose, by several ways to place two or more module together. According to the section diagram above, two module of shader place next to each one, reflectly, which can be used for lot of purpose, for example, rest - waiting area for anyone, camping shader, etc.



STRUCTURAL DIAGRAM

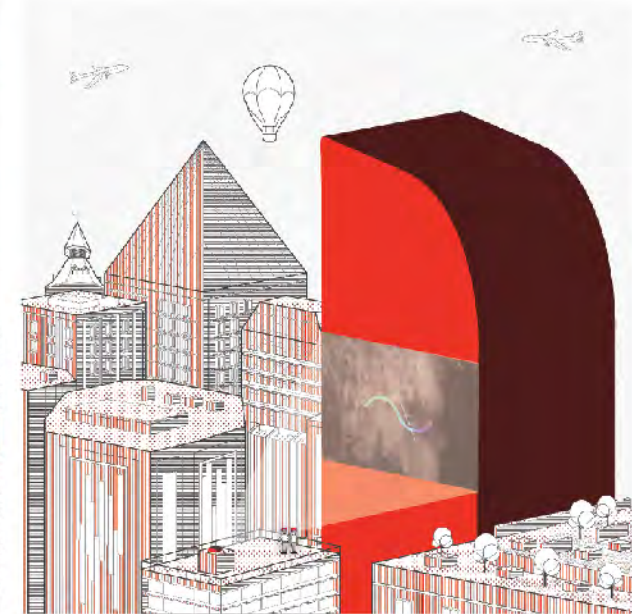
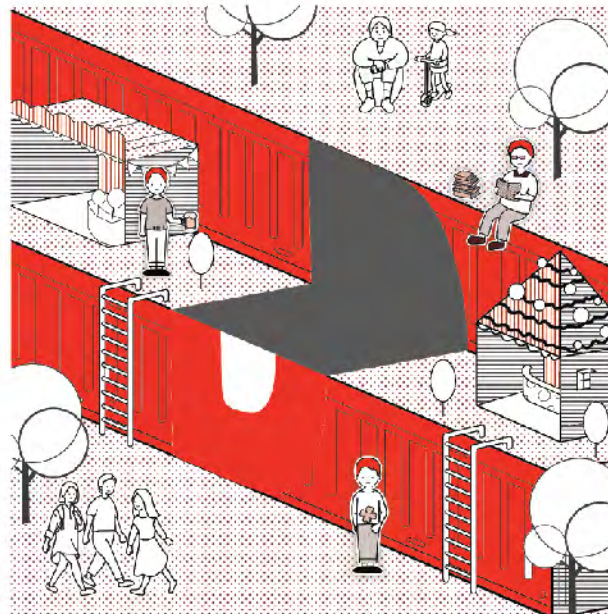
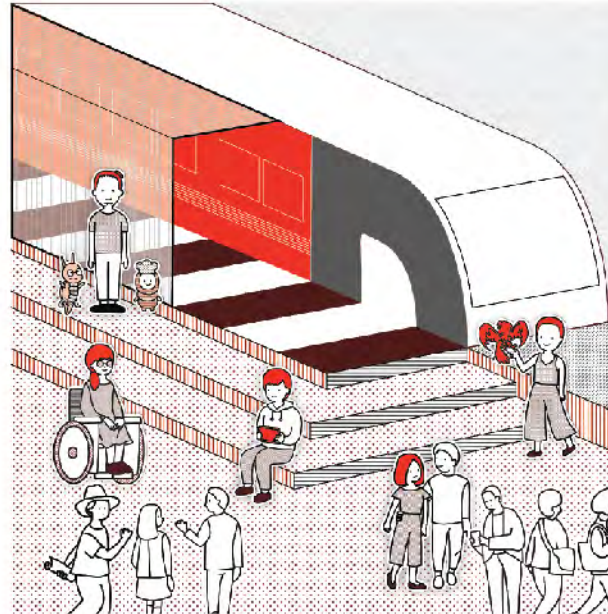
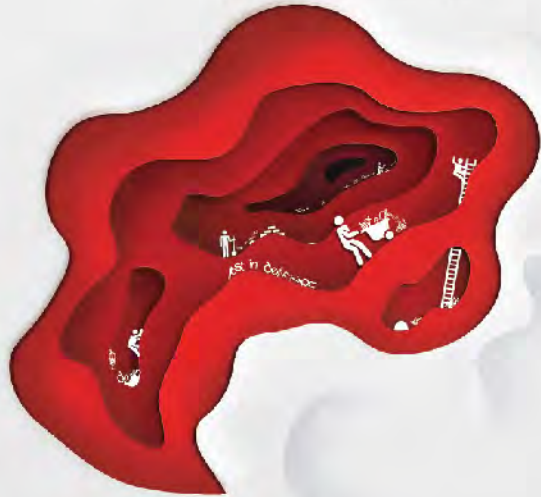
GRAPHIC DESIGN



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13 May 2018
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