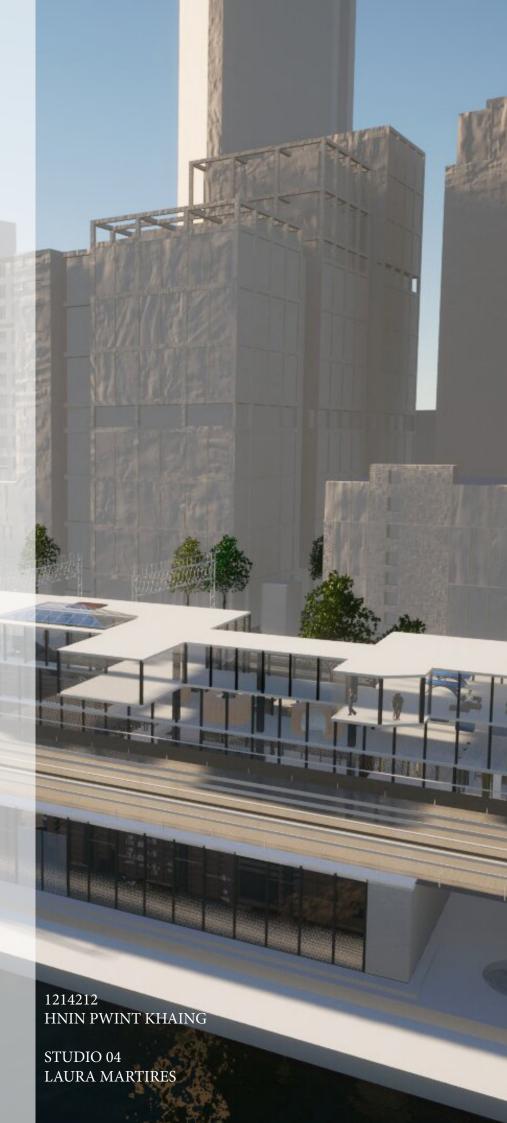
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DESIGN JOURNAL: THE LANGUAGE OF ARCHITECTURE





# STUDIO DELTA

Studio Delta consists of 3 different segments to completing our journey of finding what a contemporary library will become in the new world in the city of Melbourne. We started the journey with mapping, by gathering a range of informations such as case studies of the library, the city, and the site. We came up with a few design strategies using models to complete our architecture design of a contemporary library. With the design journal as a guide, we gathered more knowledge on what a library could become and what potential ways a library could be represented. This Design Journal will go through a series of journeys on what will drive the final design of the contemporary library.

# CONTENT 04

### EX LIBRIS FILM

A public library to explored through cultural and social fields. Is a library just for reading or could there be more?



08

# FLOOR PLAN CASE STUDY

Comparison of two different public libraries near the river and ocean, with a case study of the floor plan to understand the circulation and how it is used.



**12** 

# ON REPRESENTATION

A techniques of representation to look on different case studies that suits my project and articulate the vision and the potential of the project.



06

# THE HOUSE OF WISDOM

Is material used in a library crucial? Does the facade and bookshelves in a library matters? Where about does a library feel more welcoming?



10

# SECTION CASE STUDY

Case study of the section enables one to study architecture in its structure and its arrangement in hierarchy.



14

# MODEL MAKING

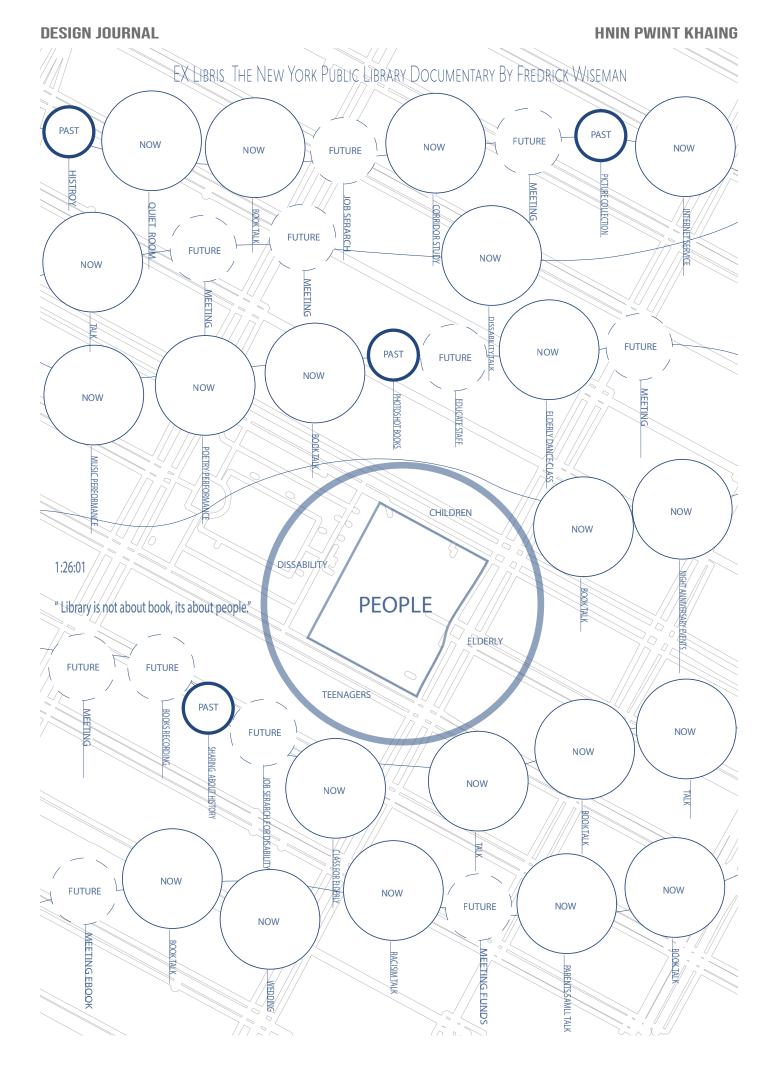
Model making skills: exploring different materials and different ways of crafting a model. How should I craft the curtain wall?



# ON THE PUBLIC LIBRARY

I am able to widen my horizons on how a library can be used. From my understanding, or from the documentation, I realised how the library is really about people. Designing a library is not just about designing for the individual but it's also for the people to gather, to seek help, to grow, and many more. I find it interesting about what the director is documenting, and find there is a patterns on how he wants to show the library with the different activities happening in the library and how people connect using scenes switching from past, present, and future. Some interesting activities including a theatre for minorities and their hobbies to be shown, giving 3G internet for poor people, and having a meeting frequently in the library on how to deliver better quality.

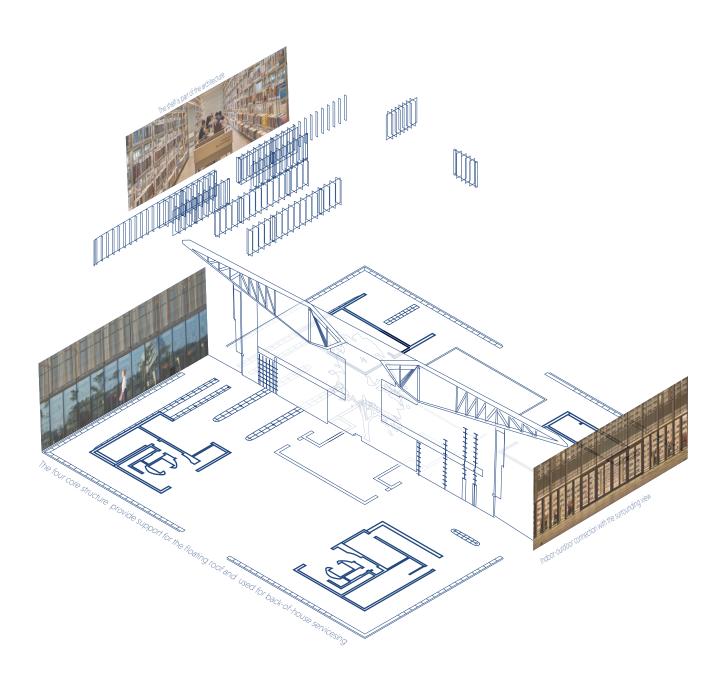
Ex Libris Film, Directed by Frederick Wisema



# A CONTEMPORARY LIBRARY

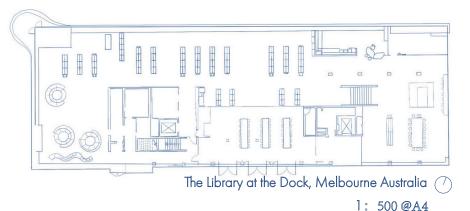
This is a building found in Metropolis magazine in the MSD library, 'The house of wisdom' by Foster + Partners. I found the bookshelf very interesting as I was very curious on how bookshelves are placed in a library and later understood that the bookshelves are a part of the architecture. I find this precedent has shown parts of the quality that I wish to show. It uses bookshelf as a column/ wall to divide the space. The space looks very wide when the primary structure where supported on the sides creating this center space for people to interact as well.

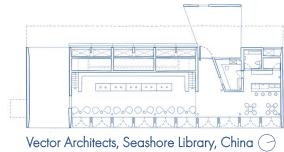
"The library is not only a source of knowledge and information, but also a space for contemplation and inspiration. It should reflect the surrounding community and be a place that celebrates the joy of learning." Norman Foster



# **ARCHITECTURE CASE STUDIES**

A case studies of two ground floor plan to understand the operation within the architecture through the composition and how they project it in their plans.





1: 500 @A4

Library at the Dock uses range of plantings and seating around the area to offers a views of the waterfront. In the floor plan a clear programs is able to see on how they organise a space for reading, hanging out, and more flexible spaces. This comparing with the Seashore Library in China, which also setting a view to the ocean in front, gives a more directed on how users could use the space and the main focus is the view at the front. The programs will be lesser as The library at the dock focus more for the community around Dockland in Melbourne whereas the Seashore library in China focuses more for visitors and providing with surrounding seas for views.

The below images description more informations about the observations made above.



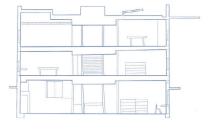






# **ARCHITECTURE CASE STUDIES**

A case studies of two section to understand the operation within the architecture through the structure, solid and void to understand how the space is used.







Vector Architects, Seashore Library, China 1: 500 @A4

Library at the Dock include open public space with skylight for table tennis activity, it is designed with recycled timber making the center as the main circulation for people to get straight to where they want to head into. The sections can be seen where different spaces are designed for different purpose used. Whereas Seashore Library in China has distinctive sloping roof, mimics the surrounding sand hills and giving lots of books for people to seats and calm down and view the sea. It also uses concrete and steel and glass as the material and emphasizes of natural light and being relaxed in the environment.









# ON REPRESENTATION

Hyper realistic renders by coordinating different representing of the techniques, such as camera angels, surround vegetations, light ans shadow, realistic material and adding human and removing human figures in renders. To make materials physically real, material should be created or represented as closely as possible and observe the details and investigate on the atmosphere of it.

















# **MODEL MAKING**

Understanding about tools, what tools to use, what materials to use, what time of techniques to be used, i used hand-scored on my curtain wall to show the mullion out and how to clean the finishes and showing the details such as lift, staircases, etc. Going through the many examples of how model can be make and with the guidance from school, I am able to practice a much cleaner model making skills.







### **Hand-Scored**

Material acrylic solic

**Tools**drafting tools / metal ruler / rice paper tape / scoring tool

### Tips & Techniques



Creating your own hand-scoring tool will help you achieve even score lines. Out a number of acrylic squares in a thickness that matches the desired dimension between scores. The quantity of cut squares should be equal to the height of the entire score pattern when stacked for half the height if the object you are scoring can be flipped). Adhere an X-acto blade to one of the acrylic squares. On an even surface, slide the scrylic square with the dull side of the blade along the vertical surface of the object to create a score. Add an acrylic square to the bottom of the stack and repeat until your score pattern is complete. This is a great technique for applying scores to curvilinear model parts.

Applied Technologies & Alternate Methods
The hand-scored block was created by scoring a
polished acrylic solid at equal intervals using the back
side of an X-Acto blade. Material can also be scored
with a CNC mill, a laser cutter, or the metal etch
process. You can rout a reveal line on a CNC mill or
score linework into a variety of materials with a laser
cutter. When working with metal, you can half-etch it
to create a score line. Each method has tolerances
dictated by your choice of material.

Architectural Concepts grid / incremental / joint / line / pattern / scale / texture

### Sample Model (p. 152)



