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(Singapore)**

PLY Studio  
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With her partner Victor Lee, Plystudio Architects was formed 10 years ago. Dealing with various building types and scales, the practice recently completed the extension to the Rainbow Centre School at it's Margaret Drive's campus, and is currently also working with the school to develop a series of prototypical spaces that addresses the unique requirements of children with special needs.

As a complement to practice both founders have sustained interests in propagating design through writing, curatorial and other critical efforts. Jacqueline was a member of the curatorial team for Singapore's contribution to the 6th International Architecture Biennale of Sao Paulo, Brazil, as well as editor of the accompanying book entitled '699.1'.

Jacqueline was a recipient of the Perspective Hong Kong's 40 under 40 award amongst others. She is interested in the craft of building buildings with a specific focus on the materiality and technology of building.

TOPIC 1 : RAINBOW CENTRE SCHOOL EXTENSION

TOPIC 2 : COVE GALLERIA

TOPIC 3 : CAMPUS BRIDGE

PLYSTUDIOARCHITECTS





# RAINBOW CENTRE

## PLYSTUDIO ARCHITECTS

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### RAINBOW CENTRE EXTENSION

USE  
School, Community, Office

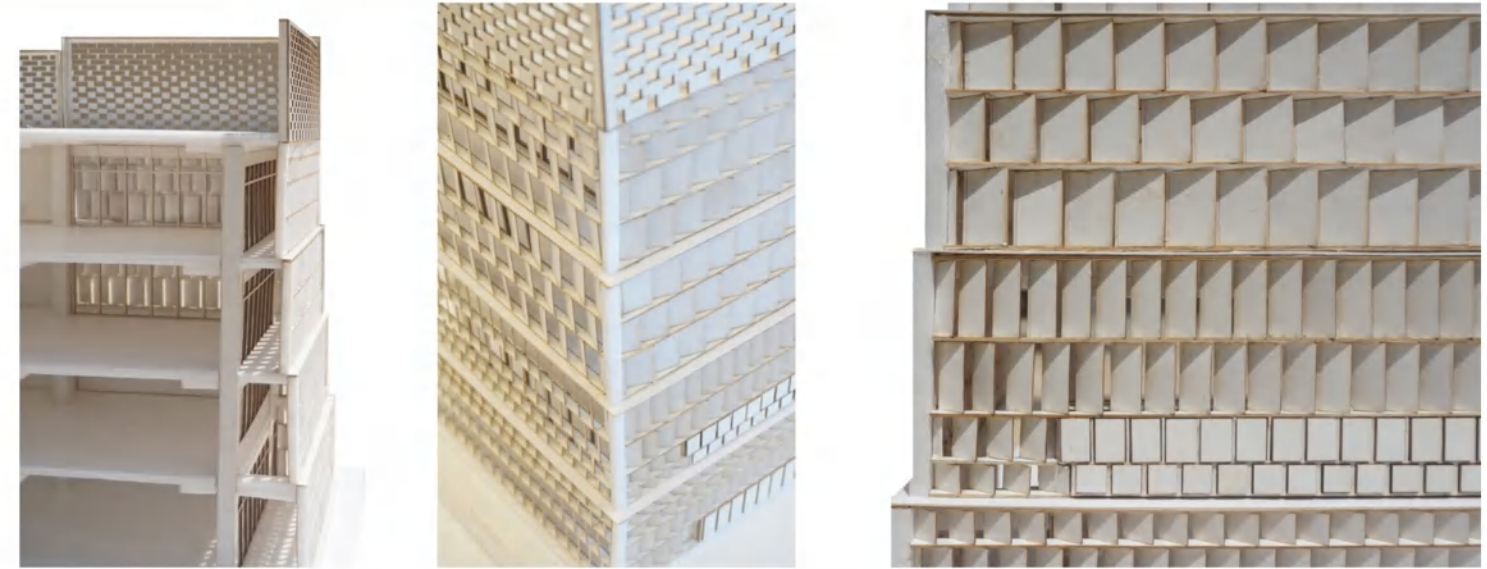
STATUS  
Completed

LOCATION  
Singapore

SIZE  
11,000 sqm

IN ASSOCIATION WITH  
The Architects' Circle

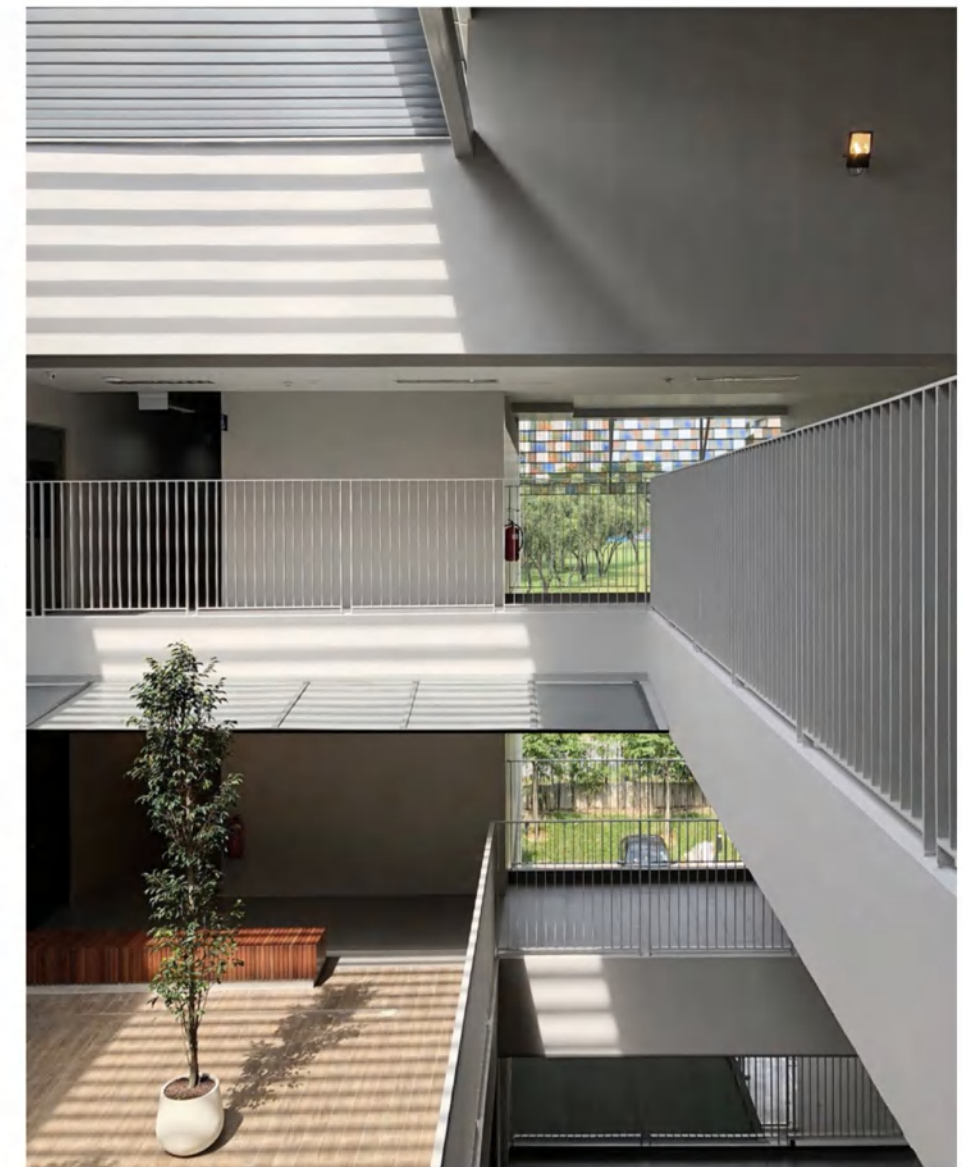
The building form is characterised by a massing which gently shifts in plan and in section. These incremental shifts purposefully encapsulate spaces, defining function and performance.



The design concept is envisioned as an architectural embodiment of making small differences in incremental steps that will result in significant change.

The design references the typology of the courtyard plan organisation used in the existing school but with a slight variant, facilitating a seamless and comfortable transition for students when the old and new connects. Each courtyard serves one of the educational cores of the school yet remain functionally conjoined by shared spaces. The courtyards stagger in section; not only do they provide a source of light, ventilation and relief, overhanging floors also provide shade and shelter from the tropical climate.

The facade works as an environmental screen, articulated by a veil of sun shades positioned in response to incident light, limiting shadows and creating a diffused light quality. The incremental shifts provided by the stepped floor plates and walls allow the incorporation of buffer areas, further offering protection and climate control.





# RAINBOW CENTRE

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# COVE GALLERIA

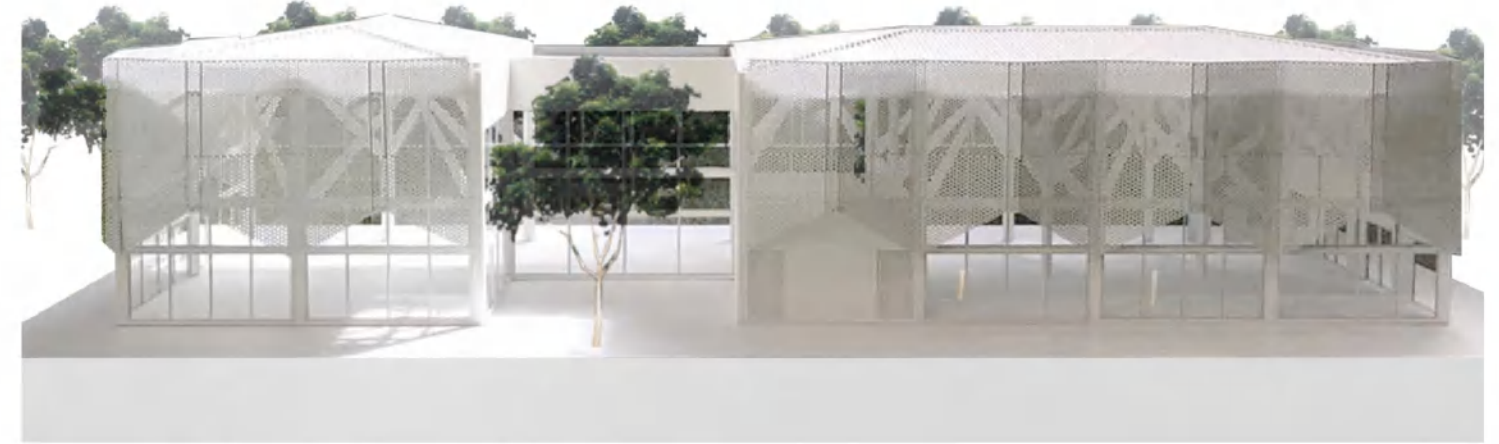
## PLYSTUDIO ARCHITECTS

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### COVE GALLERIA

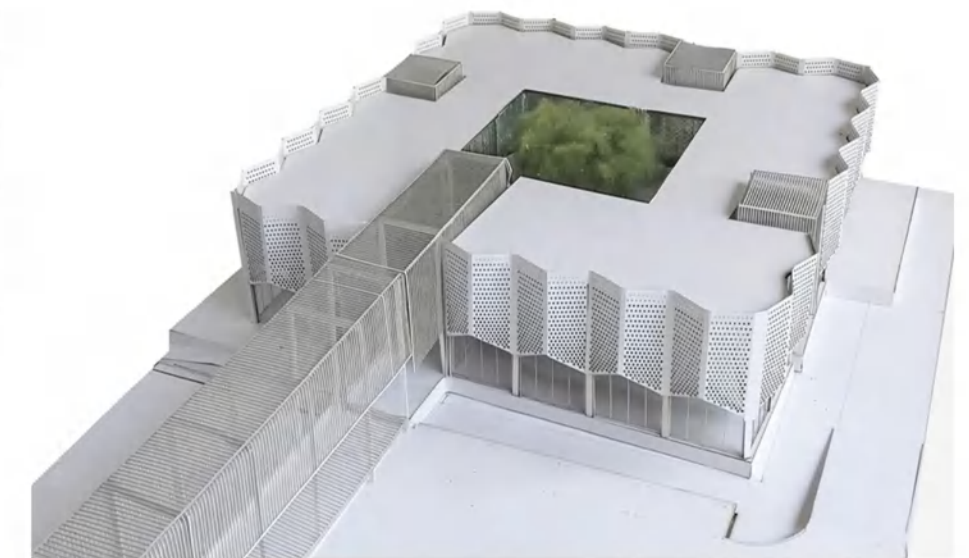
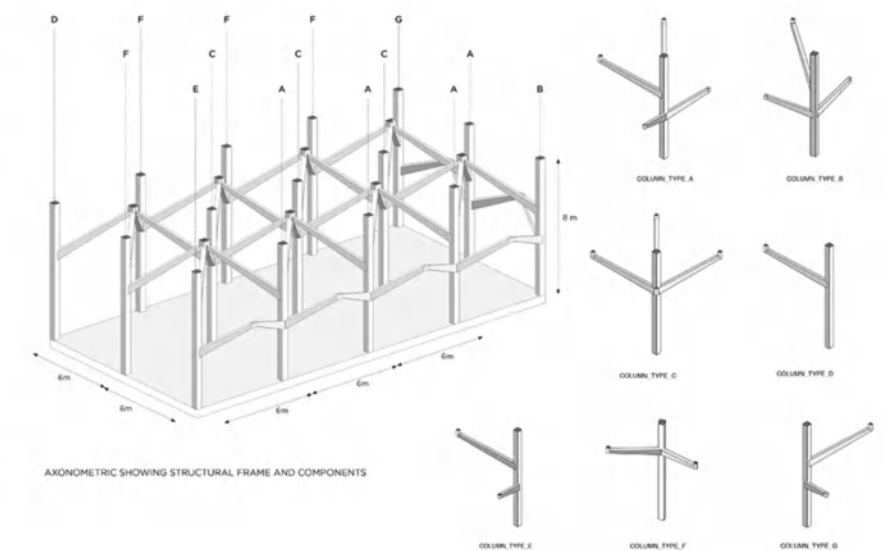
USE  
Gallery, Office  
STATUS  
Ongoing  
LOCATION  
Kuala Lumpur, Malaysia  
SIZE  
20,000 sqm  
IN ASSOCIATION WITH  
A&A Architects

The idea of a 'Tree-branch' as a structural system derived from nature figuratively and experientially organises landscape, yet rationally integrates architectural expression and structural performance into a hybrid product of man and nature.



Cove Galleria is a micro complex of buildings with spaces comprising of sales, exhibition, retail and office amenities to showcase an upcoming prestigious Masterplan development.

The project strikes a dialogue between the man-made and natural - a landscape and environmental strategy of newly planted trees juxtaposed against that of Precast concrete Tree-shaped columns creating a structural and organisational framework. The main functional spaces are housed within 4 identical, separate yet linked blocks arranged in a pinwheel formation, ensuring a continuous and seamless visitor passage and experience in constant relation to the external and internal landscape. The further integration of building structure and architecture harnesses the use of in-house Industrialised Building System (IBS) technology and expertise to craft a unique building expression.

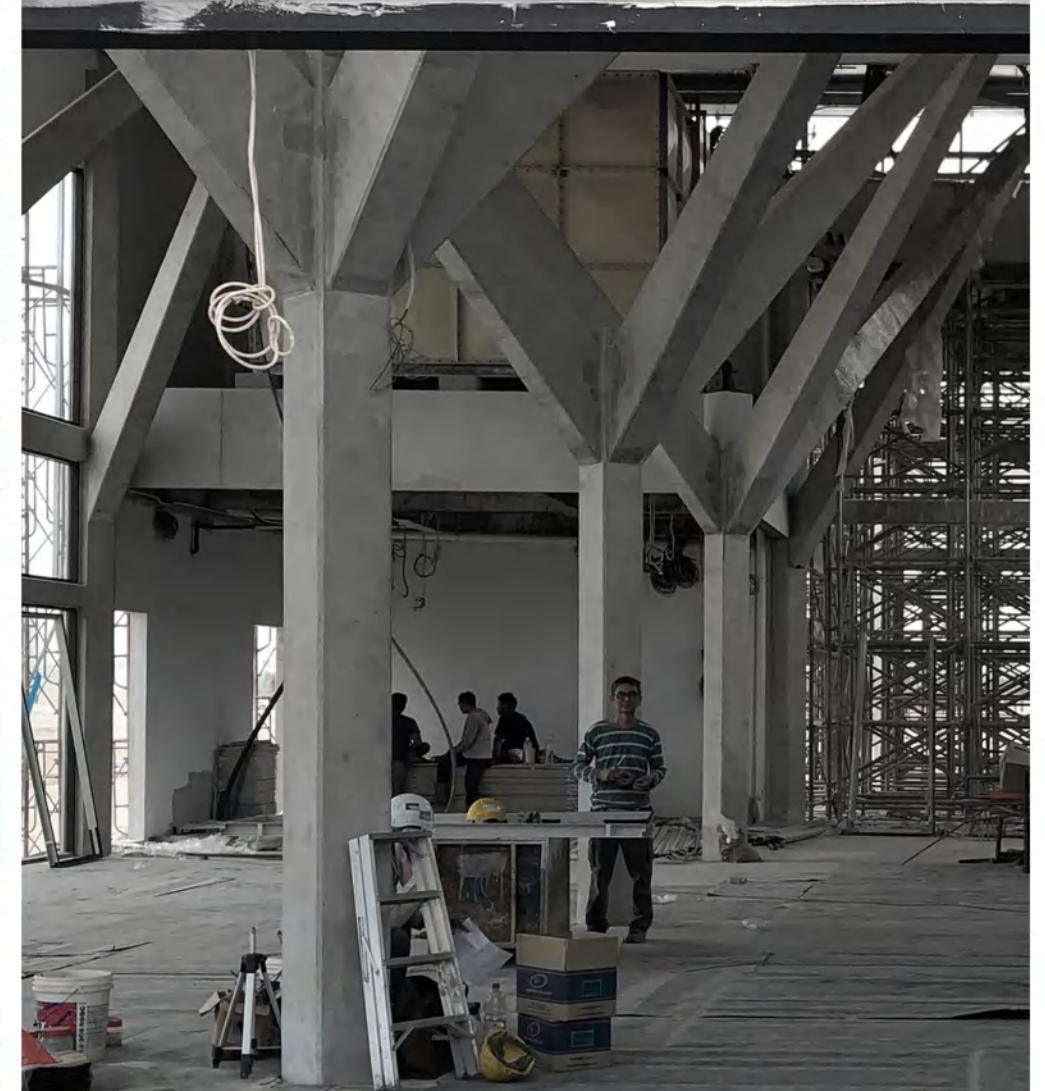
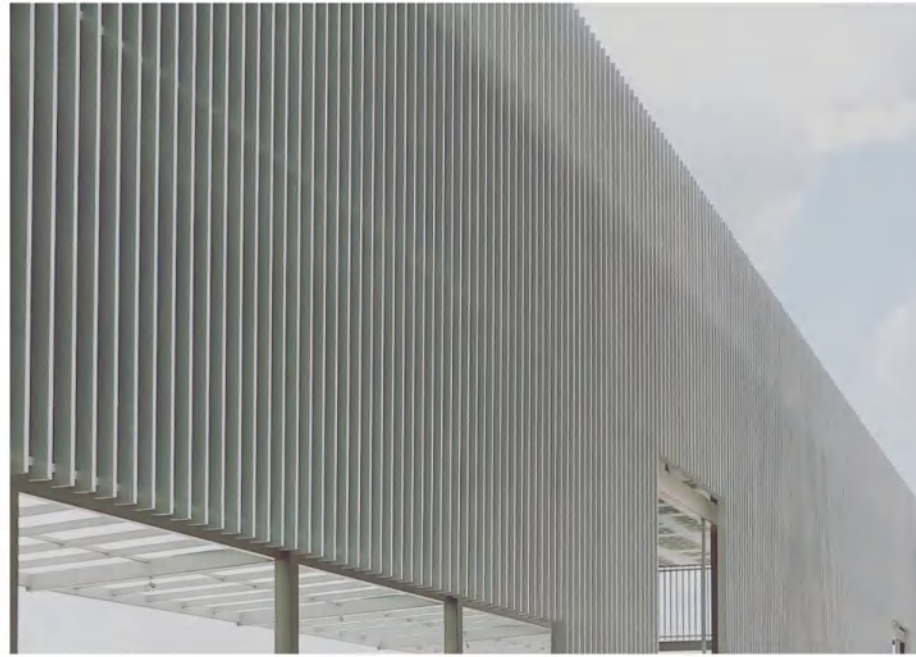
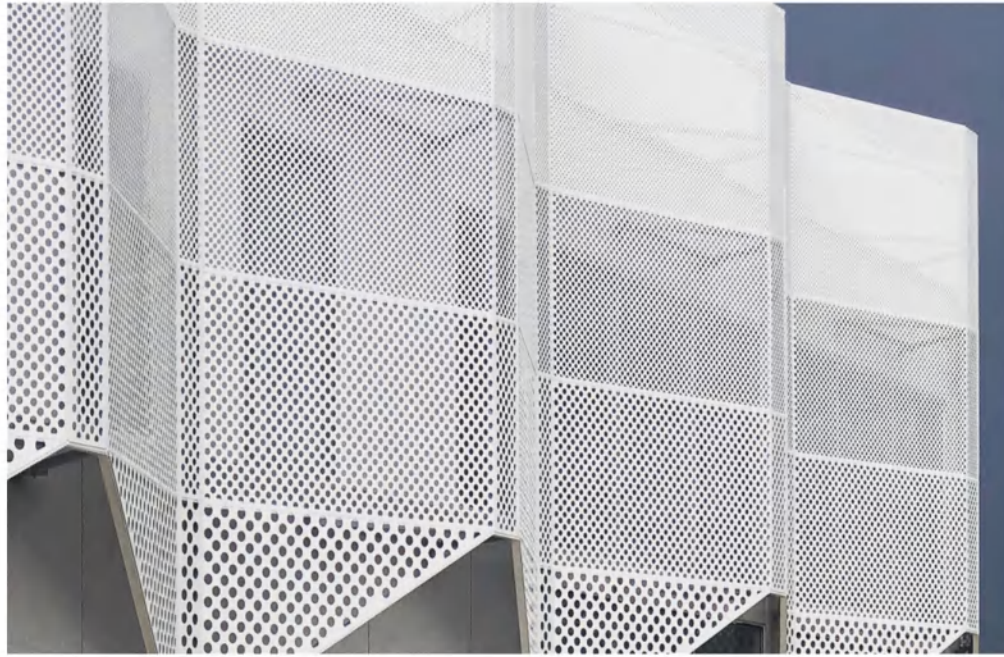




# COVE GALLERIA

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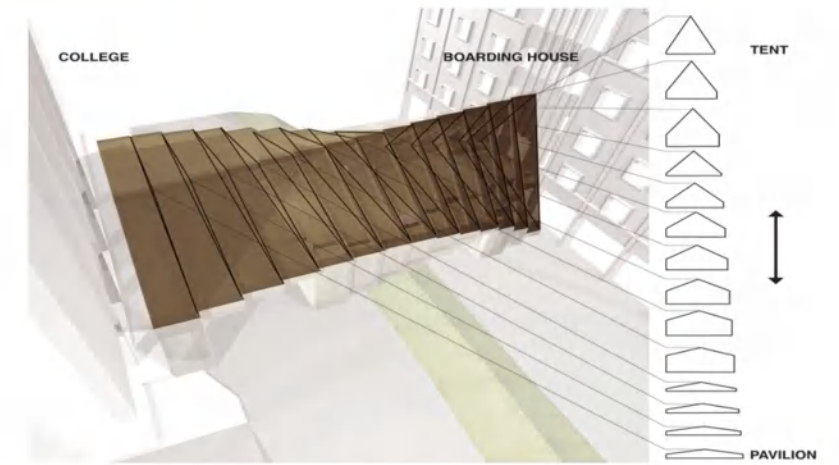
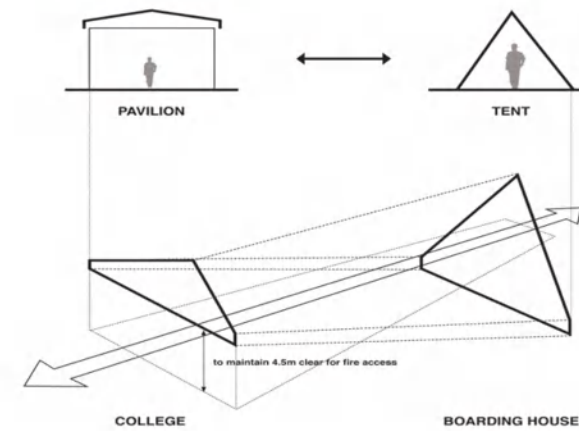
# CAMPUS BRIDGE

## PLYSTUDIO ARCHITECTS

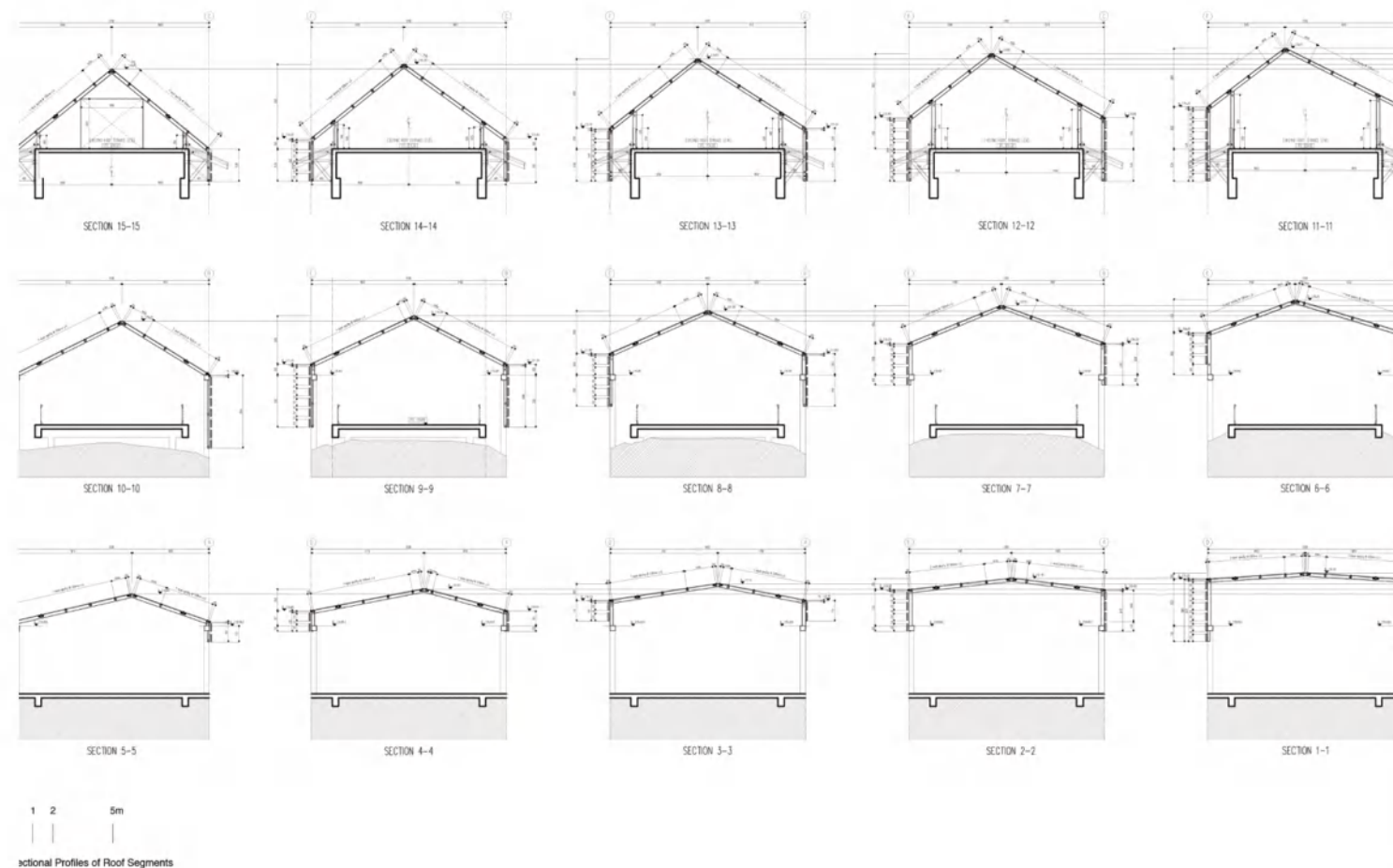
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### CAMPUS BRIDGE

USE  
Bridge, Linkway  
STATUS  
Completed  
LOCATION  
National Junior College, Singapore  
SIZE  
200 sqm  
IN ASSOCIATION WITH  
The Architects' Circle



Continuously differentiated and modulated structural portals span across topographical variations in site as a response to physical constraints pertaining to head height, centrality, and ground conditions..



The design of the Campus Bridge linking the student's Boarding House to the College is derived from a response to a set of physical constraints pertaining to head height, centrality, and ground conditions. Firstly, the need to straddle between extremes of scale from low to high head height results in a closed to a more open enclosure, bearing typological references to 'Tent' and 'Pavilion' forms. Secondly, the connecting points are off-center; however, having a tapering form would add unnecessary complexity to the design. Lastly, the bridge traverses across 3 distinct topographical conditions - its overall form is thus the result of negotiating these conditions. Consequently the structure is defined in 3 shifting segments, each consisting of 5 differentiated steel portals of incremental heights, roof angles (pitch) and side enclosures. The portals' shape incrementally shifts to gently define a continuously differentiated form, and is designed to appear similar in order to create an impression of uninterrupted structural coherence.





# CAMPUS BRIDGE

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