



Project Featured: Roof Cover for Lot no. 10419 in Hulhumale

UNVEILING BRILLIANCE: A CANOPY OF INNOVATION FOR OPEN STAIRCASE

THIS E-BOOK COVERS OUR INNOVATIVE APPROACH AND DESIGN SOLUTIONS, FEATURING THE OPEN STAIRCASE AT THE BALCONY OF ONE OF OUR RESIDENTIAL PROJECTS IN HULHUMALE.

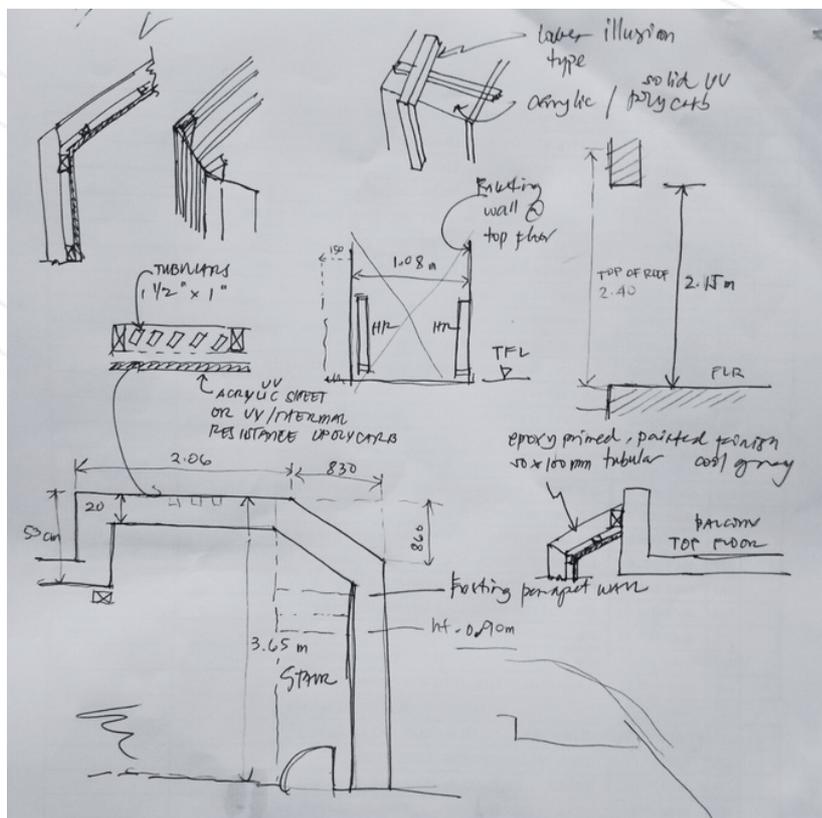
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THE CHALLENGE

Our task involves designing a solution to enclose the exposed staircase located on the open deck. This solution should be both cost-effective and aesthetically pleasing while maintaining its functionality. Importantly, it must be implemented in a way that does not pose a risk to the structural integrity of the existing building.



Site Survey and Measurement



Quick Conceptual Sketch and Design Idea during our team's Site Survey

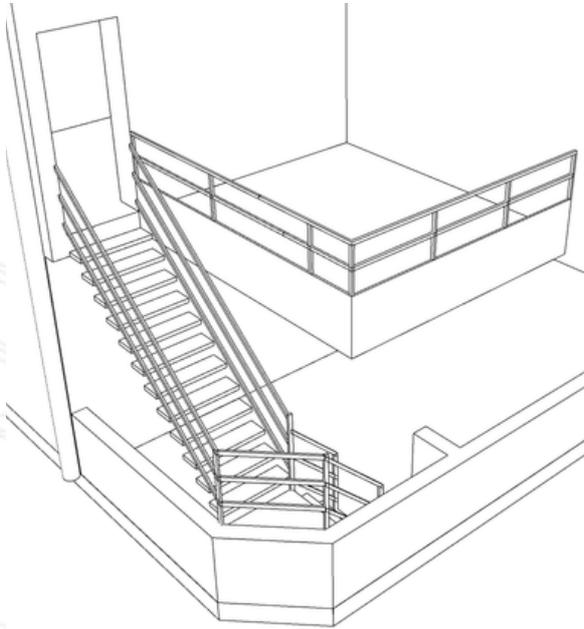
Our Quick Conceptual Design Approach

Key Considerations:

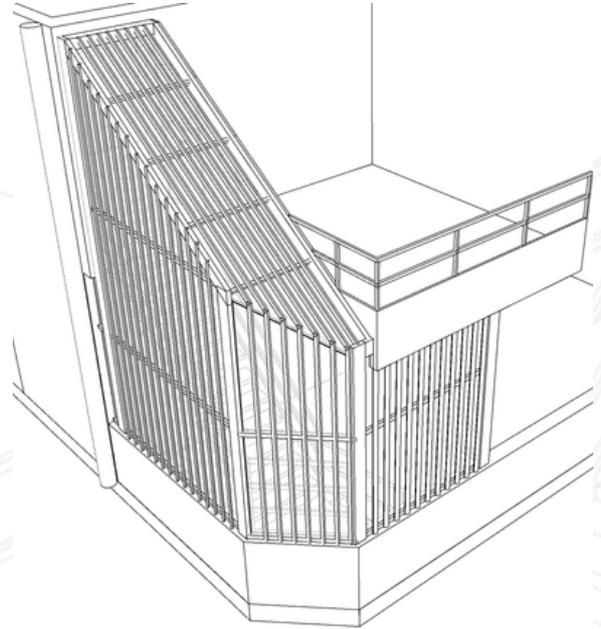
- Material Type
- Existing Material type
- Environmental Pressure
- Weight, Shape & Form
- Methodology of Installation
- Availability of Materials
- Color and texture
- Aesthetically Pleasing
- Sustainability
- Eco-Friendly
- More functional

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Environmental Pressure: Material Type, Existing Material type, Availability of Materials, Sustainability, Eco-Friendly



The Challenge



The Design Solution

Utilization of Sustainable Materials:

Utilization of Sustainable Materials:

Our design approach and solution to the problem encompass the following key elements:

Efficient Installation and Cost-effectiveness:

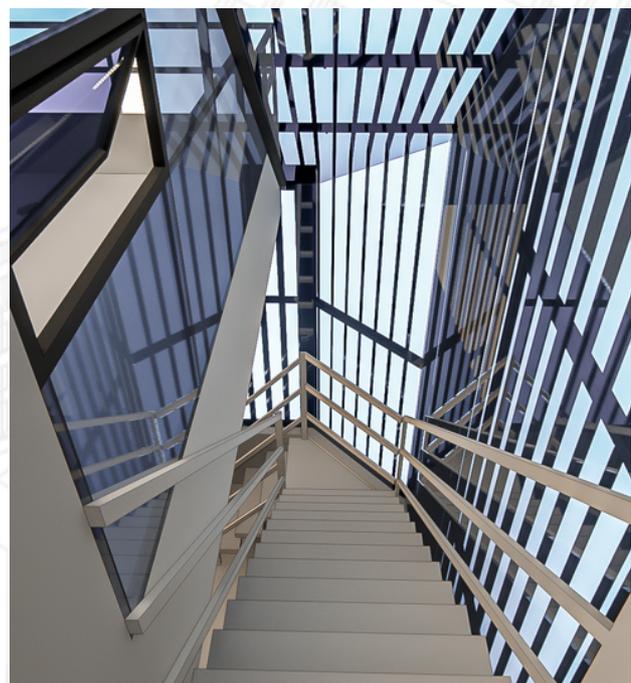
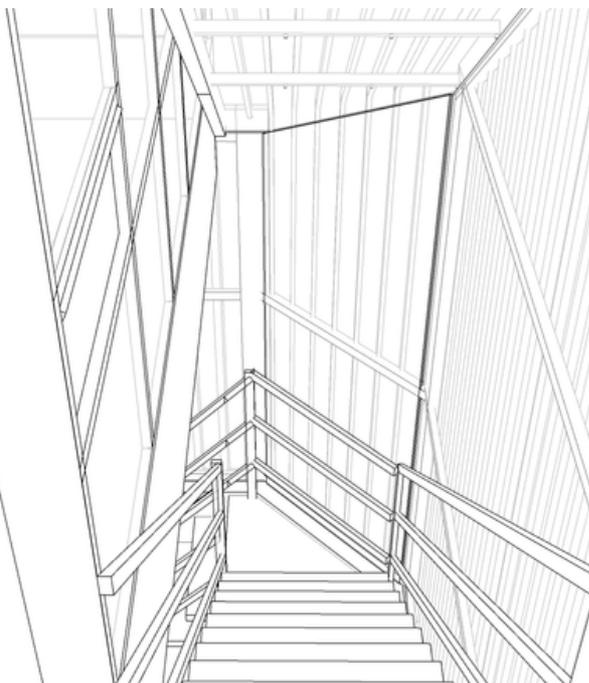
Energy Efficiency and Sustainable Practices:

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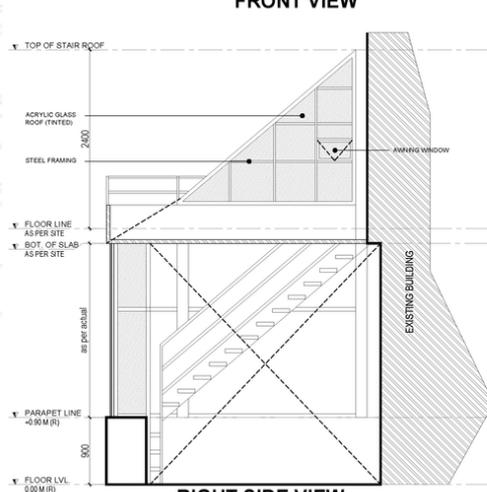
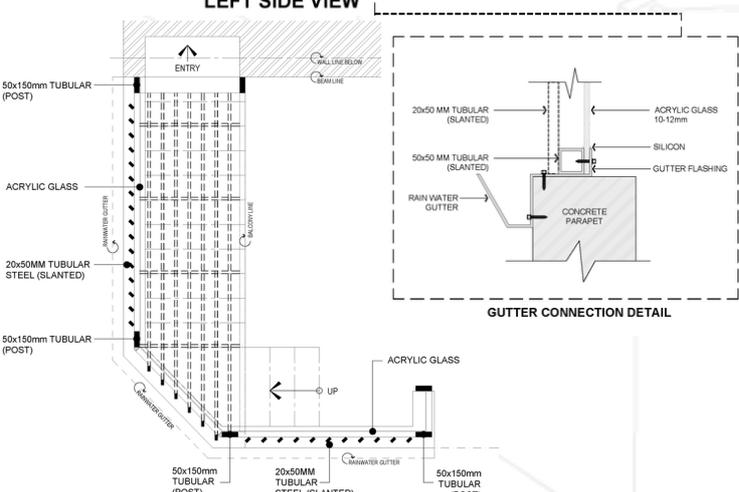
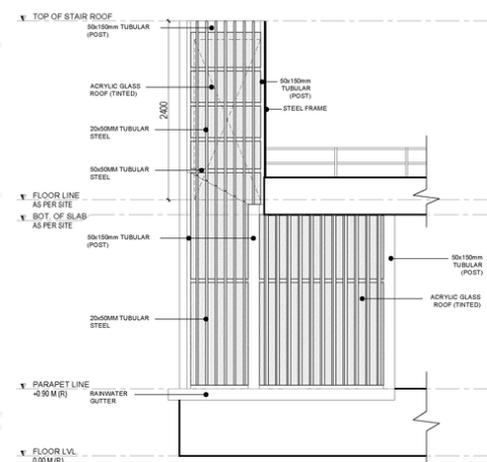
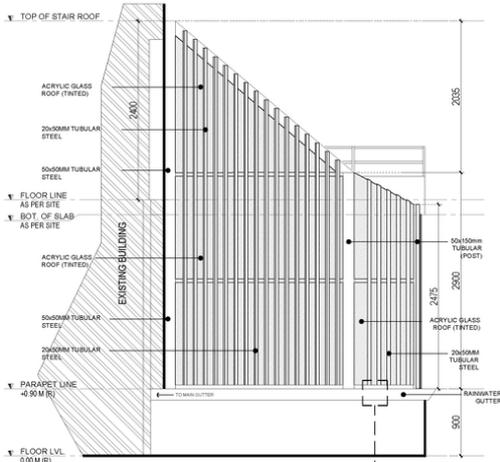
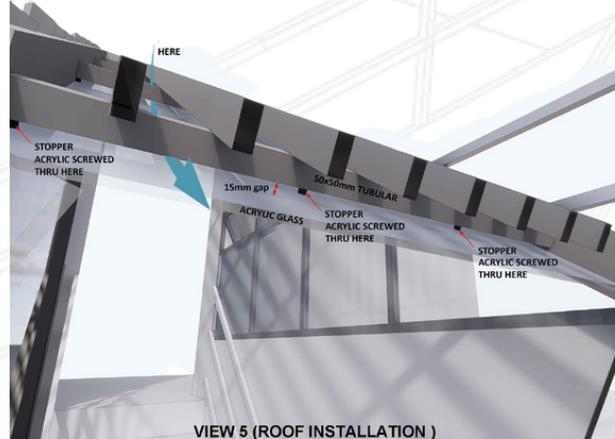
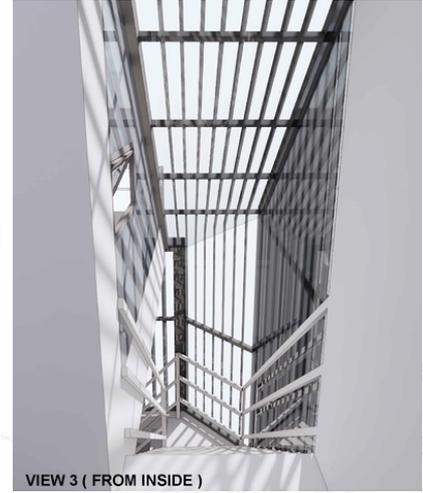
Our design approach and solution to the problem encompass the following 4-key elements:

1. Utilization of Sustainable Materials: We prioritize the use of readily available sustainable materials from the market. This approach ensures that the materials employed in the project are environmentally responsible and have a minimal impact on the ecosystem.
2. Steel Framing and Lightweight Structure: Our solution involves the strategic implementation of steel framing and supports. This choice is deliberate, aiming to create a lightweight structure that aligns with the existing building's load-bearing capacities while offering enhanced durability.
3. Efficient Installation and Cost-effectiveness: The design solution emphasizes an efficient and cost-effective approach to installation and construction. By streamlining processes and methods, we minimize both time and costs without compromising the quality or integrity of the final outcome.
4. Energy Efficiency and Sustainable Practices: Our design prioritizes energy efficiency, aiming for nearly zero resource and energy consumption during the structure's lifecycle. Moreover, we emphasize effective waste management practices to minimize environmental impact.

By integrating these four components into our design strategy, we not only address the initial problem of covering the exposed staircase on the open deck but also contribute to a sustainable, functional, and environmentally conscious solution. This approach ensures that our design aligns with modern standards of environmental responsibility while meeting the functional and aesthetic goals set for the project.



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THANK YOU

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