Presented by Muhammad Muhaimin bin Zulkarnain

December 2025

DRAFTER Portfolio

Showcasing My Design Journey and Projects

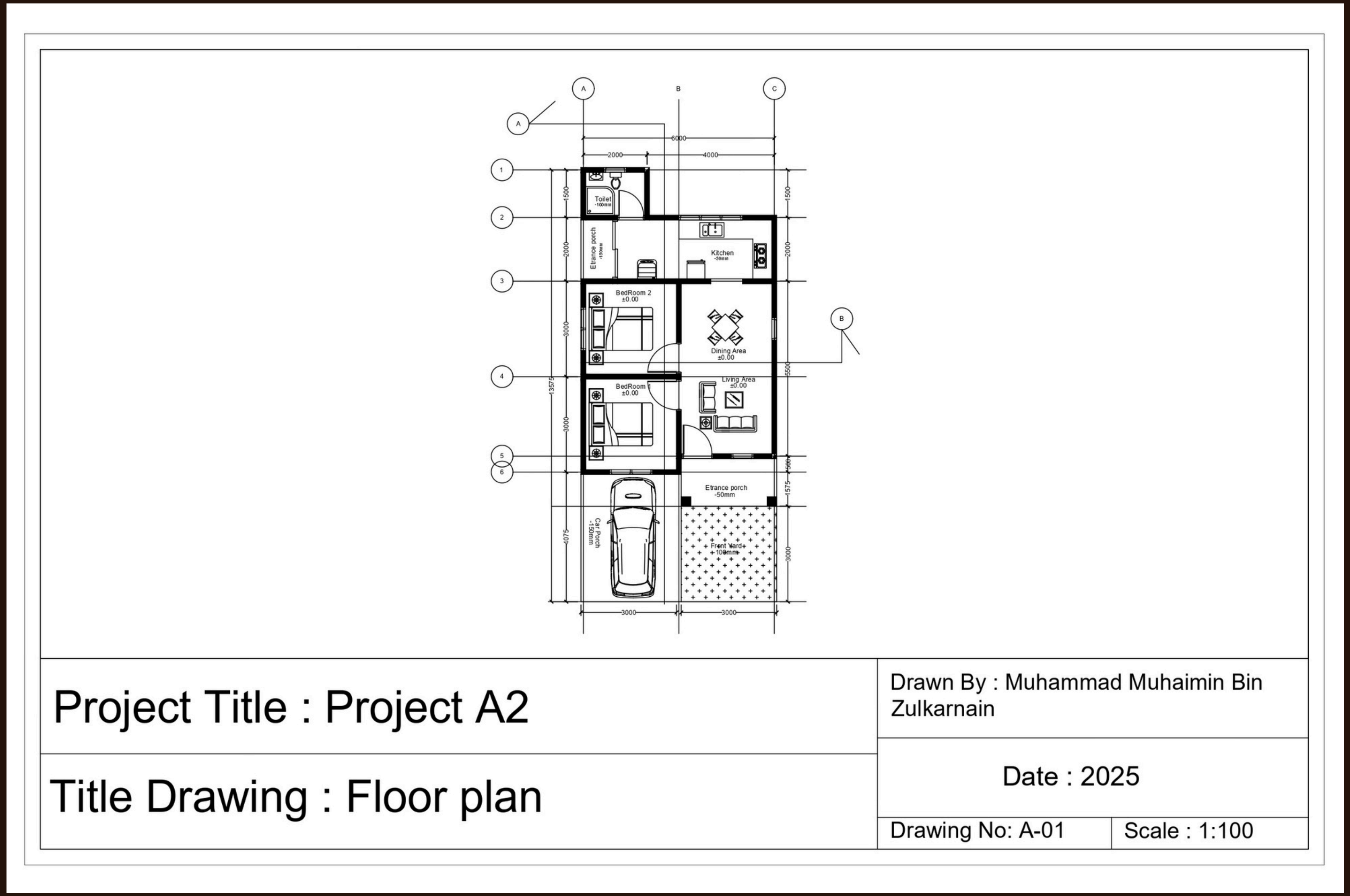
Education

I have an educational background in drafting and technical drawing, where I gained basic knowledge and practical skills in preparing technical drawings. During my studies, I learned how to use AutoCAD and developed an understanding of drawing standards and accuracy.

Institut Teknologi Yayasan Negeri Sembilan (2015 - 2016)

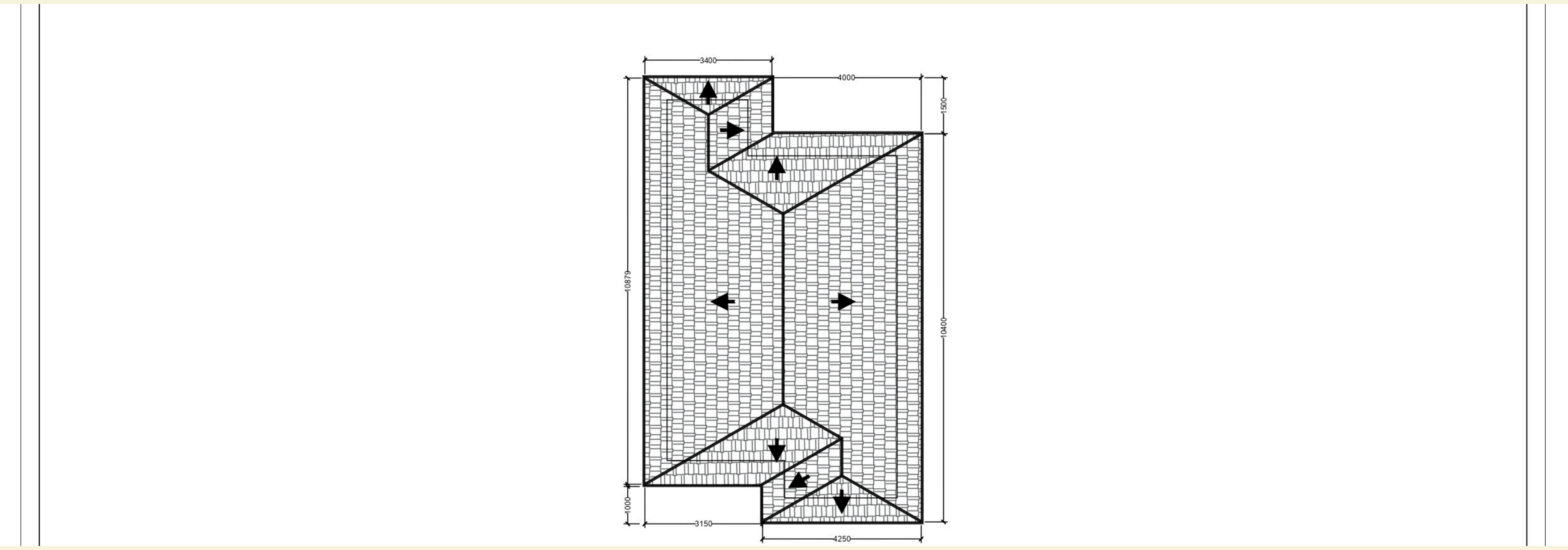
- Experienced in using SketchUp for 3D modeling and AutoCAD to produce accurate and well-structured technical drawings for project planning and documentation.
- Skilled in preparing layouts, technical drawings, and 3D visualizations using SketchUp and AutoCAD to support design development and presentations.

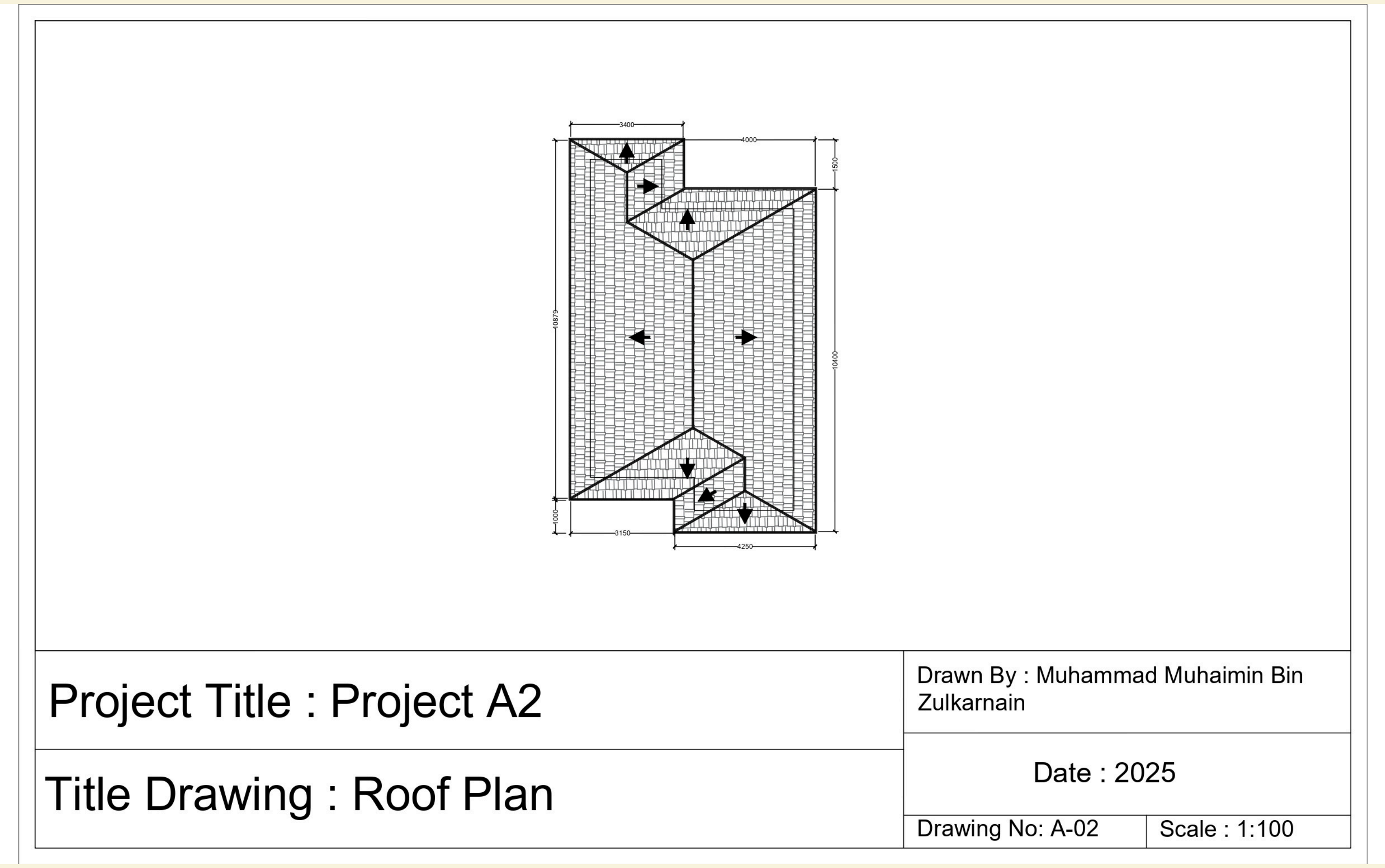
Project 1 - Floor Plan



The drawing includes clearly labeled dimensions, grid lines, and room sizes to indicate the length and width of each space. These dimensions provide accurate measurements for construction and help ensure proper scale and alignment. Wall thicknesses, door swings, and furniture layouts are also shown to enhance clarity and functionality.

Overall, the floor plan is prepared according to standard drafting practices and is suitable for construction reference and project documentation





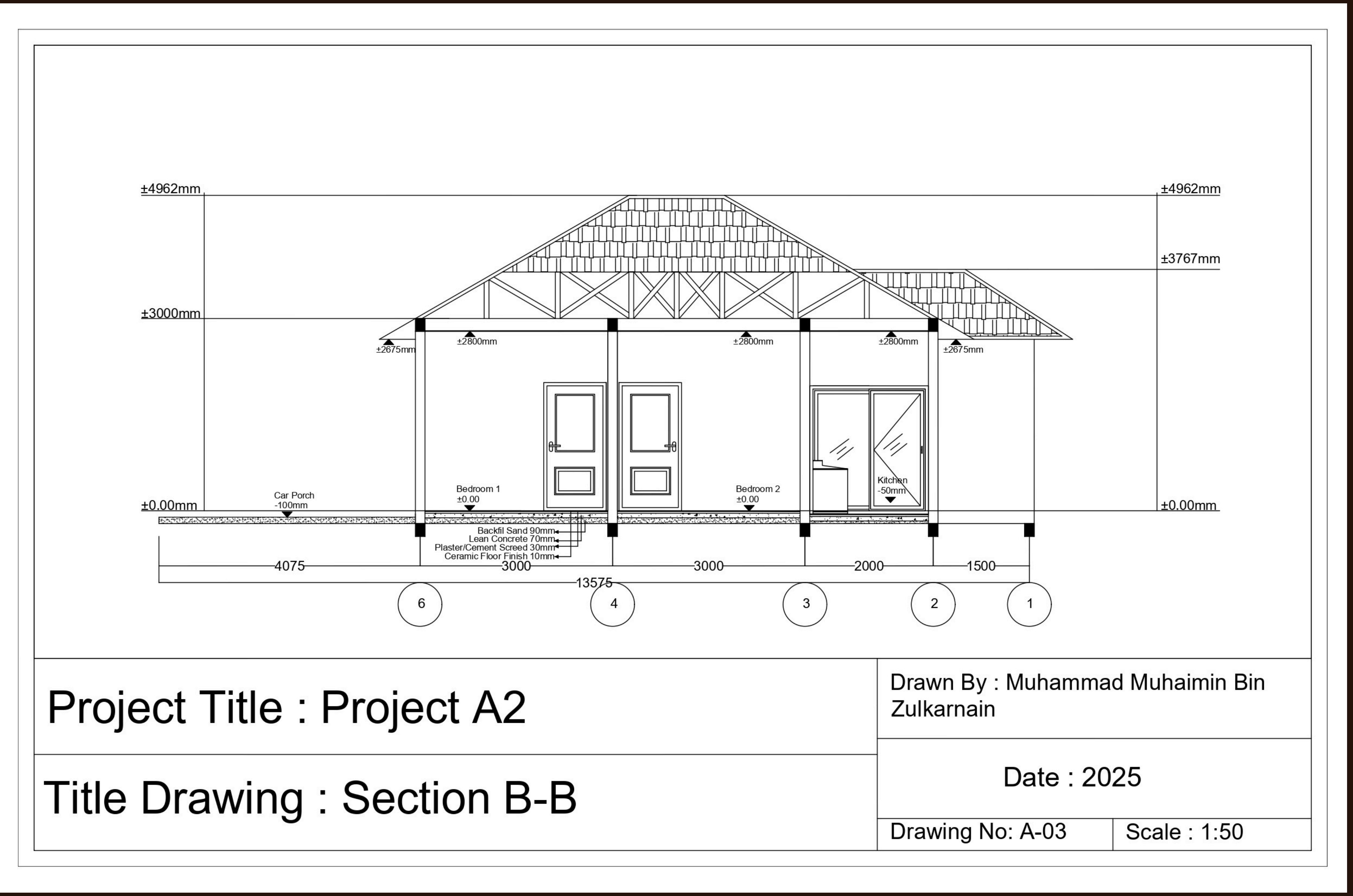
Project 2 - Roof Plan

Directional arrows are provided on the roof surfaces to show the slope direction, which helps in understanding rainwater flow and drainage. The roof pattern and lines represent the roofing material layout and structural form.

The drawing also includes clearly defined dimensions that indicate the length and width of each roof section. These dimensions ensure accurate measurement, proper alignment, and correct installation during construction.

Overall, this roof plan is prepared according to standard drafting practices and is suitable for construction reference, coordination, and project documentation.

Project 3 - Section



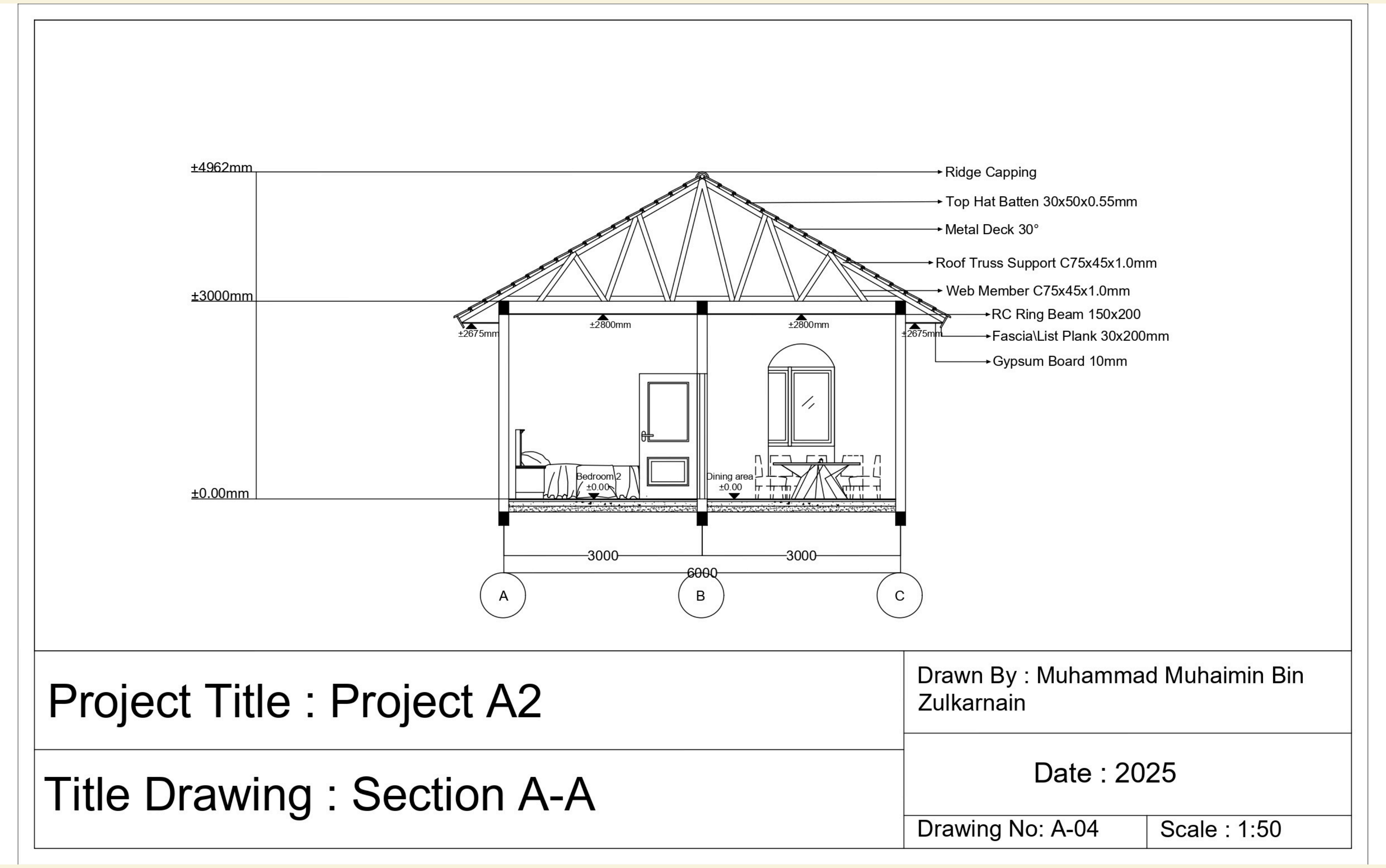
Section B-B

The drawing includes vertical height levels, where the finished floor level is indicated at ±0.00 mm. The roof height reaches approximately ±4962 mm, while other reference levels such as ±3000 mm and ±3767 mm are shown to indicate ceiling and roof structure heights.

Horizontal dimensions are also provided to show the spacing between structural elements and rooms, including widths of 3000 mm, 2000 mm, and 1500 mm, contributing to an overall building length of approximately 13,575 mm.

Construction details such as floor finishes are labeled, including ceramic floor finish, cement screed, lean concrete, and backfill sand layers. The roof structure and truss system are clearly illustrated to show structural support and roof slope.

Project 4 - Section



Directional arrows are provided on the roof surfaces to show the slope direction, which helps in understanding rainwater flow and drainage. The roof pattern and lines represent the roofing material layout and structural form.

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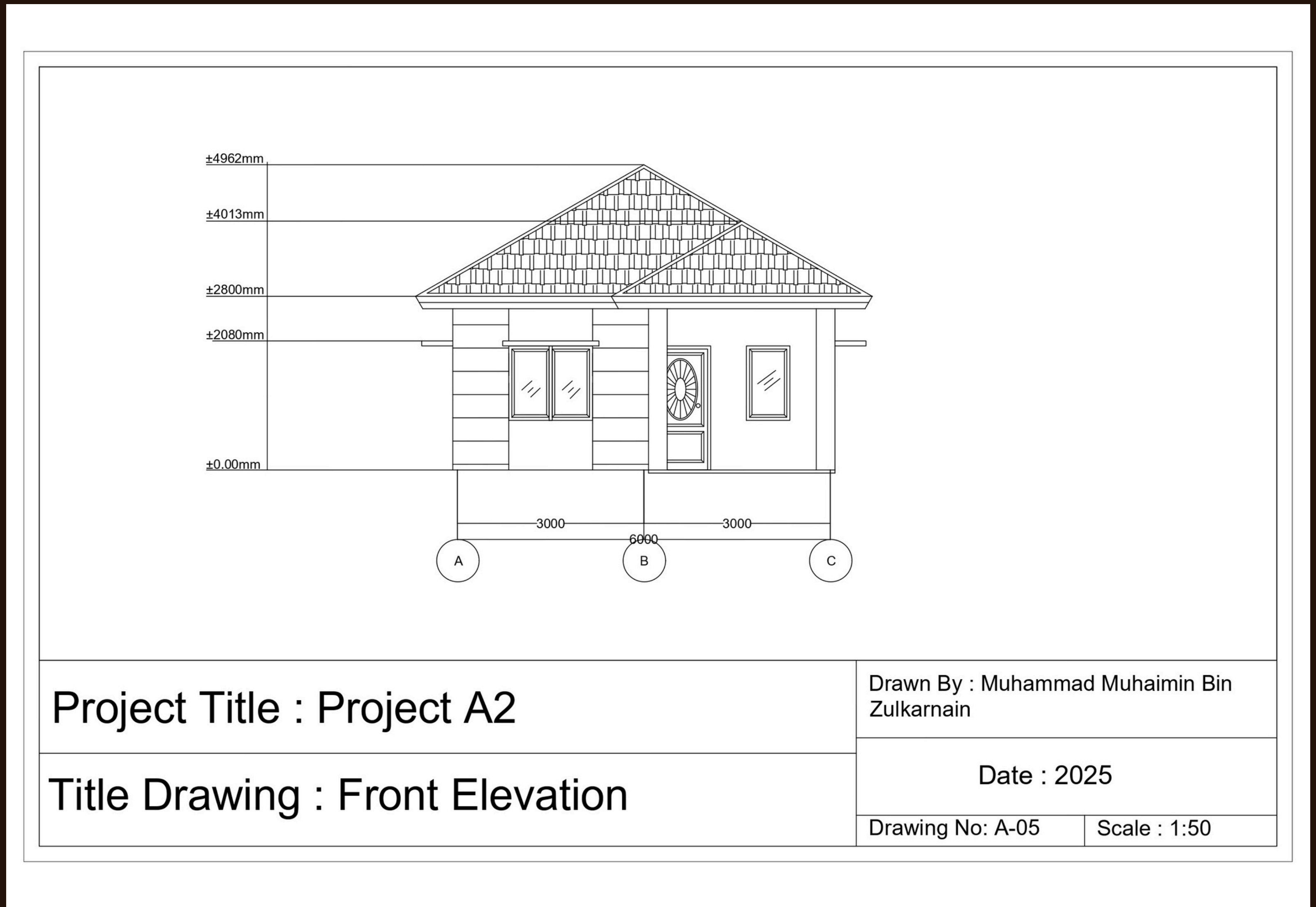
Overall, this roof plan is prepared according to standard drafting practices and is suitable for construction reference, coordination, and project documentation.

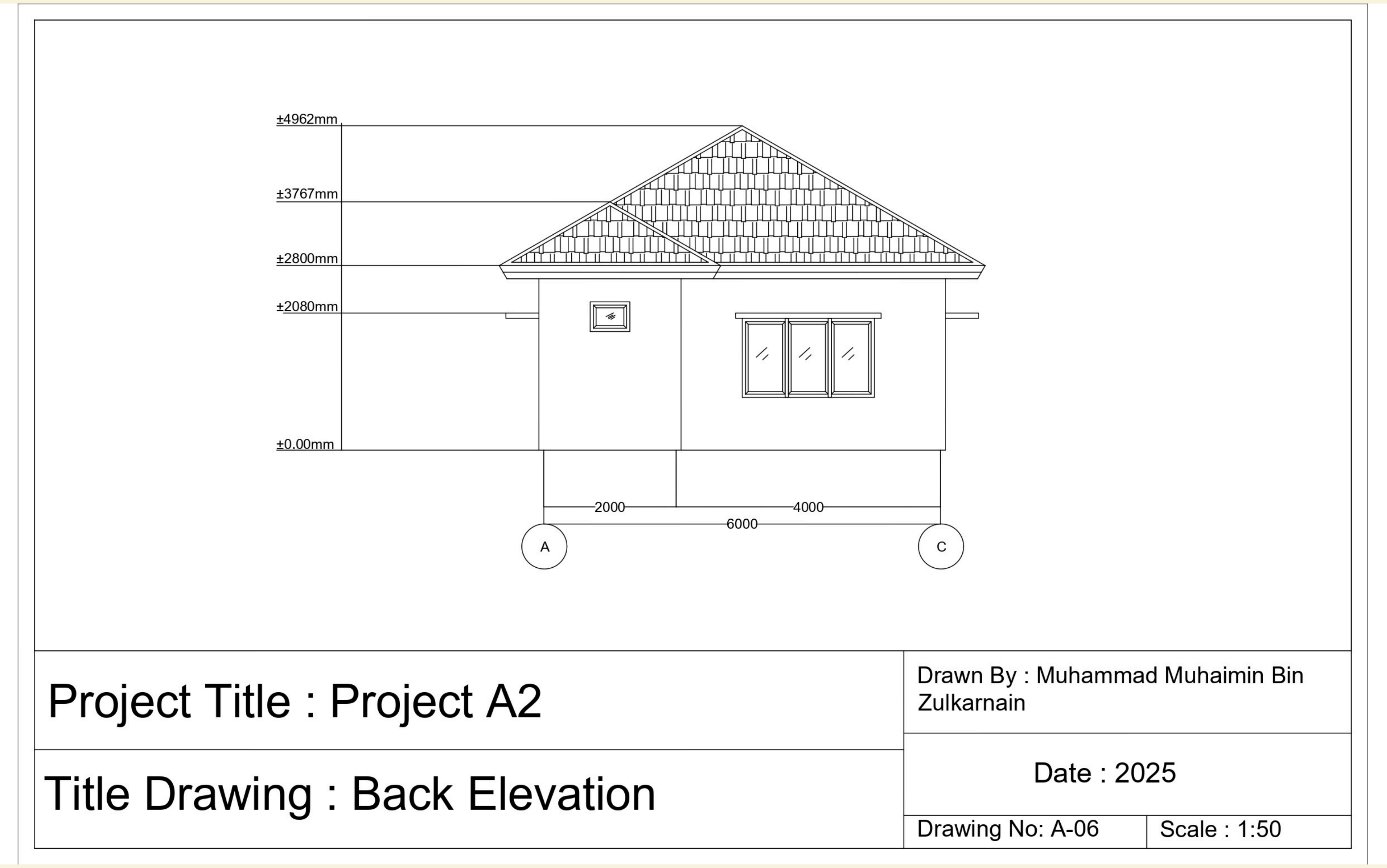
Project 5 - FRONT ELEVATION

This front elevation drawing presents the design of a single-storey residential house with a simple and modern architectural approach that emphasizes functionality and clarity of form. The pitched roof design with a stepped arrangement adds visual interest while remaining appropriate to the local residential context. The placement of windows and doors is carefully planned to ensure adequate natural lighting and ventilation.

The façade is designed with minimal ornamentation, highlighting clean lines and a balanced composition. This drawing is prepared at a 1:50 scale and includes clear height level indications, accurately illustrating the building's proportions in accordance with architectural drafting standards.



Project 6 - BACK ELEVATION



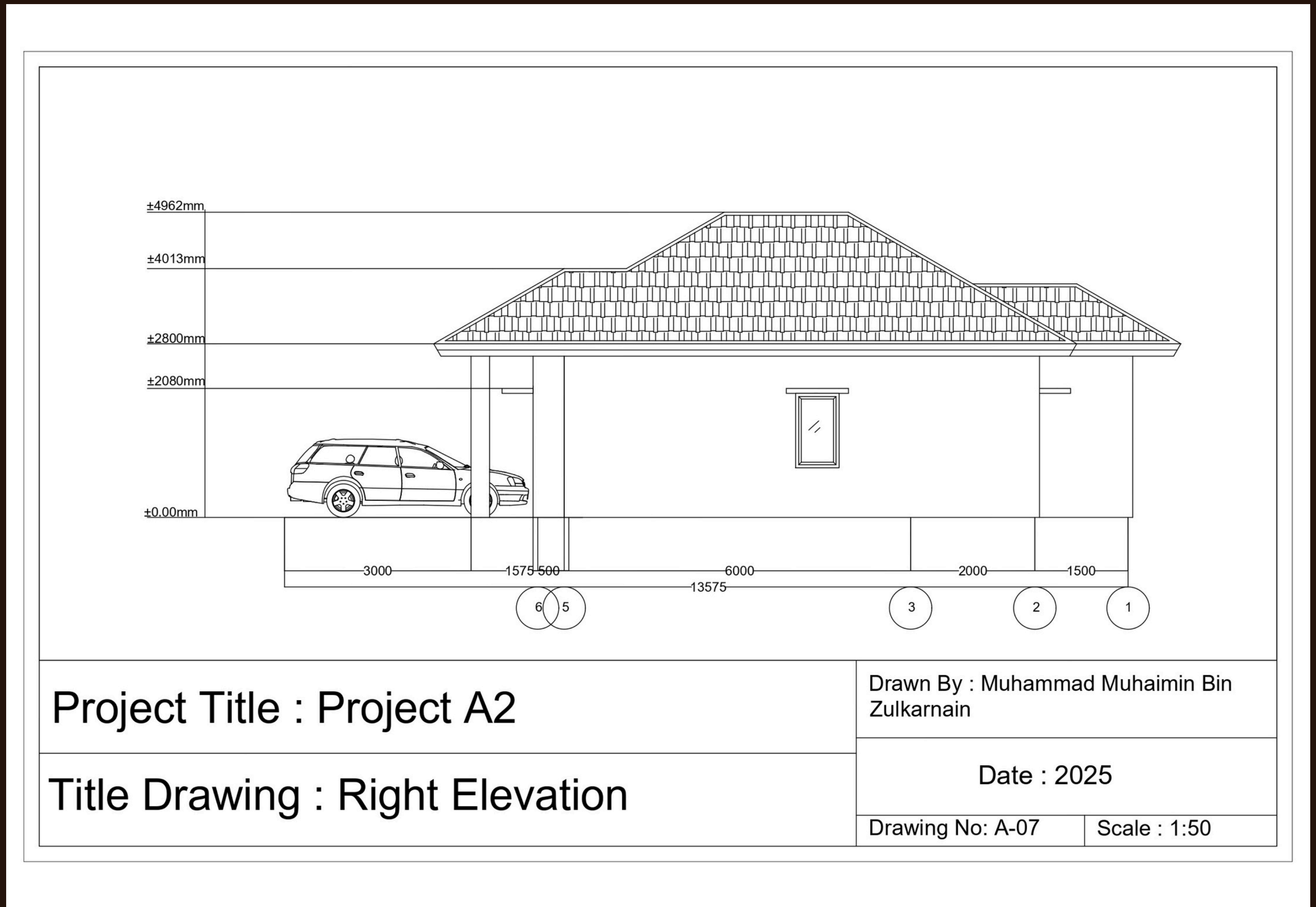
This back elevation drawing illustrates the rear façade of a single-storey residential house designed with a simple and functional modern approach. The elevation emphasizes practicality, featuring well-proportioned window openings that support natural lighting and ventilation while maintaining privacy. The pitched roof form continues consistently from the front elevation, reinforcing a cohesive architectural language throughout the building.

The rear façade is treated with minimal detailing, reflecting a clean and efficient design strategy suitable for local residential use. Prepared at a 1:50 scale, the drawing clearly indicates height levels and dimensional relationships, ensuring accurate representation of the building’s proportions in accordance with standard architectural drafting practices.

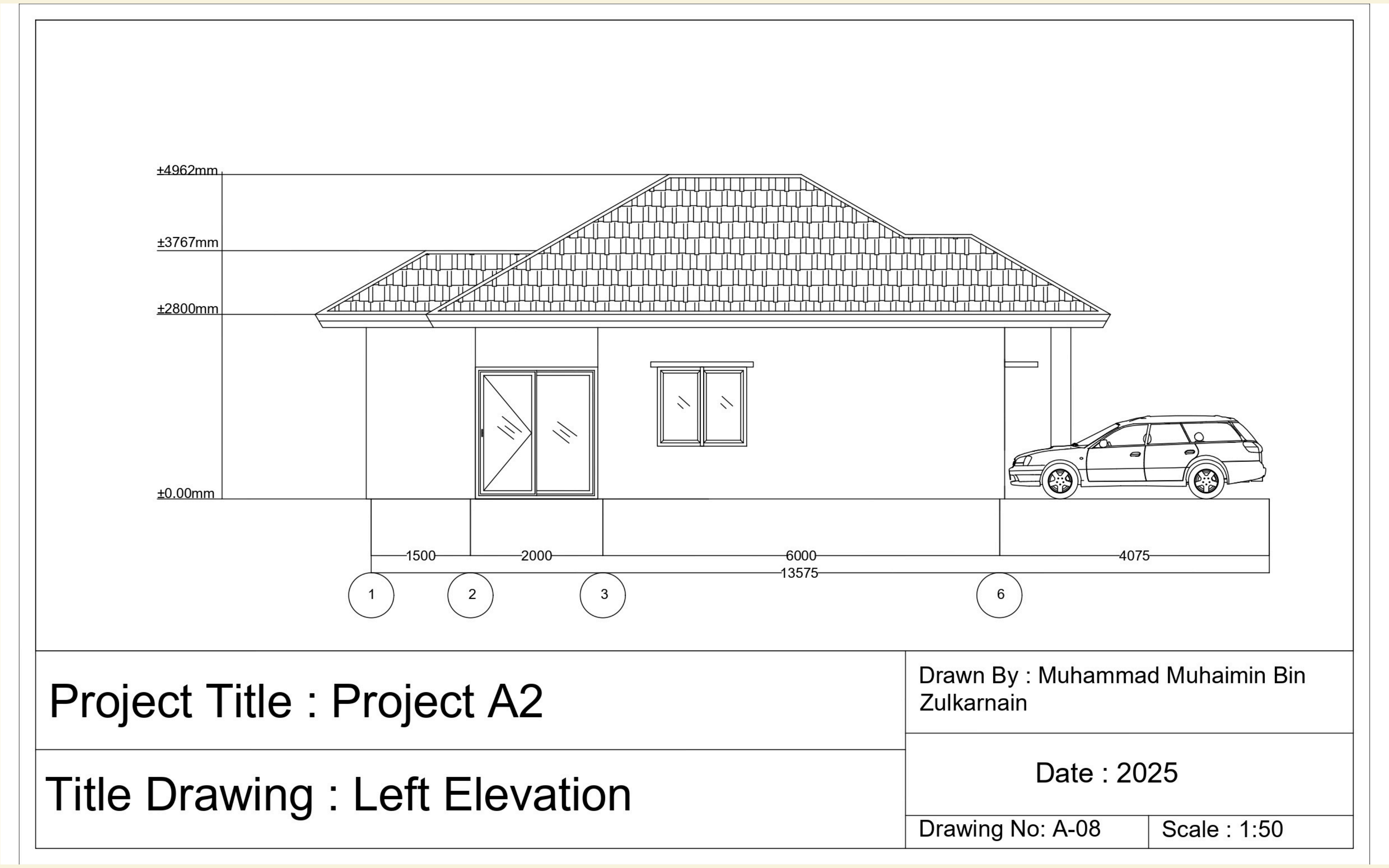
Project 7 - RIGHT ELEVATION

This right elevation drawing illustrates the side façade of a single-storey residential house, highlighting the building's linear proportions and functional spatial arrangement. The elevation clearly presents the extended roof form and covered car porch, demonstrating practical consideration for daily residential use while maintaining a simple and cohesive architectural expression.

Openings are positioned strategically to provide natural light and ventilation without compromising privacy. The continuous pitched roof reinforces visual continuity across all elevations. Prepared at a 1:50 scale, this drawing includes clear dimensional and height references, accurately conveying the relationship between architectural elements in accordance with standard architectural drafting conventions



Project 8 - LEFT ELEVATION



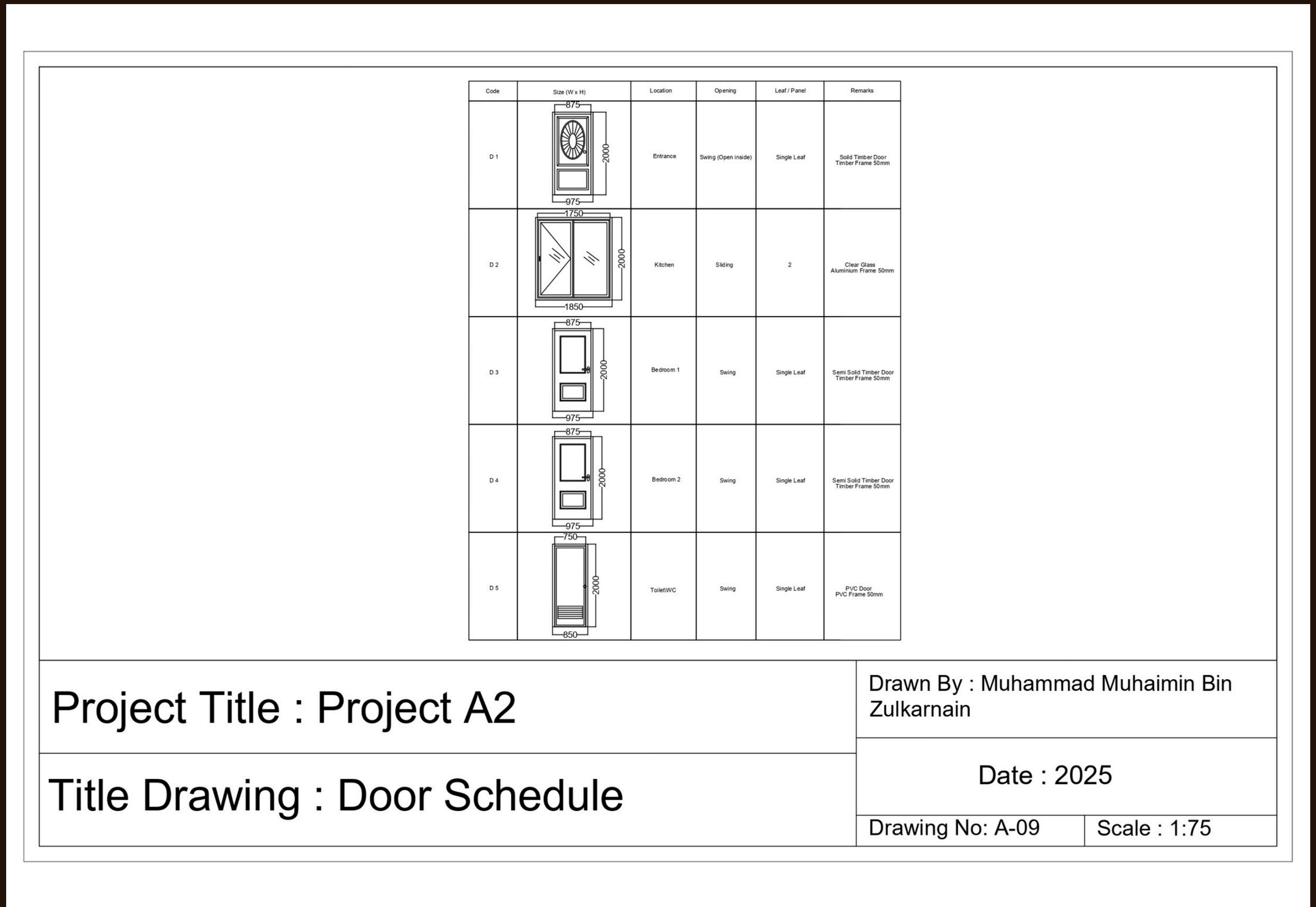
The left elevation illustrates a single-storey residential design with a clear and well-balanced architectural composition. The pitched roof design, detailed with roof tile patterns, creates visual interest while maintaining functional efficiency. The building heights are clearly indicated, demonstrating proper scale and proportion in accordance with residential construction standards.

Openings such as sliding glass doors and windows are strategically positioned to enhance natural lighting and ventilation. The façade is kept minimal with a clean plastered wall finish, contributing to a simple and modern appearance. A car porch is integrated on the right side of the elevation, designed to complement the main structure without disrupting the overall form.

Project 9 - RIGHT ELEVATION

The door schedule provides a clear and systematic summary of all door types used in Project A2, including dimensions, locations, opening types, and material specifications. Each door is coded and detailed to ensure clarity in construction coordination and installation.

The schedule differentiates between solid timber doors, semi-solid timber doors, glass sliding doors, and PVC doors, reflecting functional requirements for various spaces such as entrances, bedrooms, kitchens, and sanitary areas. Frame materials and thicknesses are specified to support accurate execution on site.



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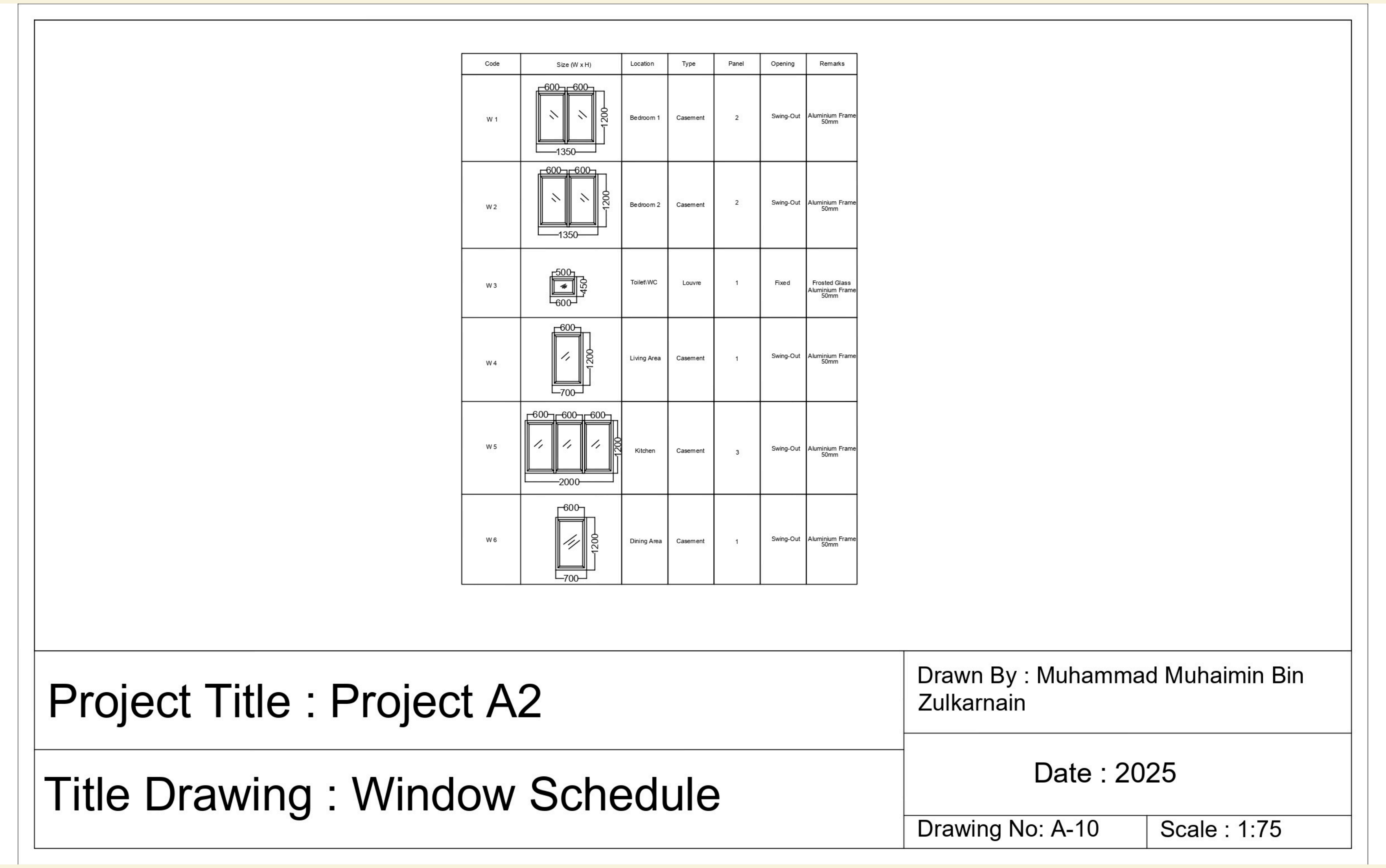
Project 10 - WINDOW SCHEDULE



Code	Size (W x H)	Location	Type	Panel	Opening	Remarks
W 1	600, 600, 1200, 1350	Bedroom 1	Casement	2	Swing-Out	Aluminium Frame 50mm
W 2	600, 600, 1200, 1350	Bedroom 2	Casement	2	Swing-Out	Aluminium Frame 50mm
W 3	500, 450, 600	Toilet\WC	Louvre	1	Fixed	Frosted Glass Aluminium Frame 50mm
W 4	600, 1200, 700	Living Area	Casement	1	Swing-Out	Aluminium Frame 50mm
W 5	600, 600, 600, 1200, 2000	Kitchen	Casement	3	Swing-Out	Aluminium Frame 50mm
W 6	600, 1200, 700	Dining Area	Casement	1	Swing-Out	Aluminium Frame 50mm

Project Title : Project A2	Drawn By : Muhammad Muhaimin Bin Zulkarnain	
Title Drawing : Window Schedule	Date : 2025	
	Drawing No: A-10	Scale : 1:75

The window schedule presents a structured overview of window types, sizes, locations, and opening mechanisms used in Project A2. Each window is coded and detailed to ensure consistency and accuracy during construction.

Various casement windows are specified to support natural ventilation and daylighting, while fixed and louvre windows are applied in service areas for privacy and functional airflow. Aluminium frames and glass specifications are clearly indicated to ensure durability and ease of installation.

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Thank You

Get in Touch

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