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## QUICK HOUSE PANEL ASSEMBLY MANUAL

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### I - INTRODUCTION:

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Quick House's metal panels are manufactured with profiled galvanized sheet metal modules, produced on high quality and dimensional precision roll forming machines.

The panels are light, easy to handle and transport, and allow the execution of walls quickly and a clean and dry work.

There are four types of panels, which combined meet the most diverse project configurations, both for homes and commercial buildings.

The purpose of this manual is to guide professional builders on how to design, handle, transport, store and assemble Quick House panels so that the best use can be made of the product.

When reading this MANUAL, if you have any doubts, please do not hesitate to contact us:



**Quick House®**

BUILDING SOLUTIONS

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*Proper planning is without a doubt the best way.*

*Before starting any work, plan it properly!*

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## MODULAR STEEL PANELS

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The panels are made to be joined, fitted and screwed together as modules.  
When the modules are joined, they form double-sided pillars, every 610 mm, which prevents compression.



• DOOR PANEL



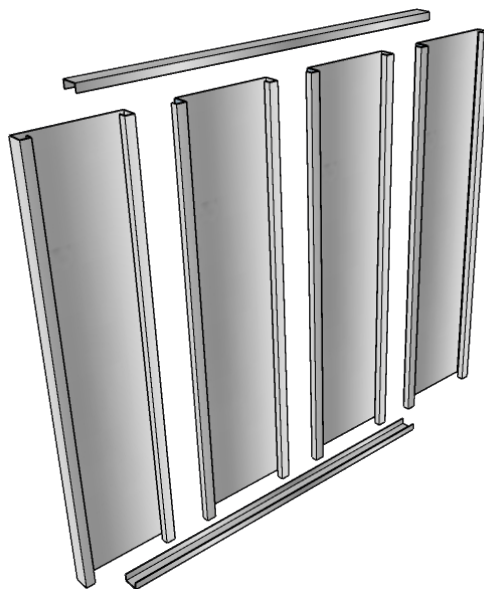
• CLOSED PANEL



• WINDOW PANEL



• SMALL WINDOW PANEL



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## II – GETTING TO KNOW THE QUICK HOUSE PANELS:

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- **Closed Panel (P180):** Panel 1.80 m wide by 2.60 m high;
- **Door Panel (Pp):** Panel 1.80 m wide and 2.60 m high with a 0.90 m x 2.10 m door span;
- **Window Panel (PJ):** Panel 1.80 m wide by 2.60 m high with 1.20 m x 1.20 m window opening and 0.90 m sill;
- **Small Window Panel (Pjp):** Panel 1.80 m wide by 2.60 m high with 0.60 m x 0.60 m window opening and 1.50 m sill;
- **Closed Panel 120 (P120):** Panel 1.20 m wide by 2.60 m high;
- **Adjustment module 60 (M60):** Module 0.60 m wide by 2.60 m high;
- **Adjustment module 30 (M30):** Module 0.30 m wide by 2.60 m high;
- **Closing profile:** "U" profile 0.10 x 0.05 x 3 m for closing panels.

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## III – DESIGNING USING THE QUICK HOUSE PANELS:

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It is important that you already have your project suitable for the measurements of **Quick House** panels. For that, you must ask the professional who executed the project to adapt the measures of the panels or make a project already in accordance with these measures.

When carrying out the project, the professional should always try to use standard panels measuring 1.80 m so that the work becomes more economical and avoid using the adjustment modules or even cuts in the standard panels.

Quick House has some plans defined with different areas and configurations that can be used, but you should hire a professional who will make the necessary adjustments for your land.

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#### IV - SUPPORT BASE:

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The support base (floor) where the panels will be placed must be firm and level. When on the ground, we recommend making a foundation slab (radier) of reinforced concrete with a thickness greater than 12 cm and double reinforcement (positive and negative) in both directions with a 15 cm mesh and 5 mm iron. Concrete should be 25 mpa. The execution must always be accompanied by a cognizant professional (Architect or Engineer). The Quick House Panels with plasterboard coatings and cement sheets weigh no more than 280 kg per linear meter.

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#### IV – SAFETY TOOLS AND EQUIPMENT:

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Before starting any service, you must have at hand all the tools necessary for assembly and also personal protective equipment (PPE).

To assemble the Quick House panels you need these tools and PPEs:

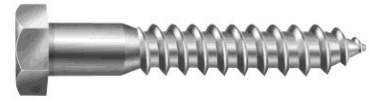
- Hammer drill and 10 mm widia drill bit and 5 mm high-speed steel drill bit;
- 5/16" hex screwdriver and socket and Philips tip;
- 4 ½" or 5" angle grinder;
- 5/16" socket wrench;
- Riveter;
- Hammer;
- Level
- Plummet;
- Leather gloves;
- Protective goggles;
- Protective footwear;
- Scaffolding.

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## V – REQUIRED MATERIALS IN ADDITION TO PANELS:

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- **Hex screw:** Fixing the panels to the floor, hexagonal screw with 50 mm hex lag bolt, 5/16" head. 3 screws are used in each 1.80 panel.



- **Plastic bushing:** Fixing the panels to the floor, 10 mm plastic bushing 3 bushings are used in each 1.80 panel.



- **Self-tapping screw** Fixing the panels to each other, self-tapping screw measuring 10 x 14 x 3/4 Head: 5/16". 4 screws are used on each panel.



- **Pop Rivet:** Fixing "U" profiles and angles to the panels, Aluminum Pop Rivet - 4.8 x 19mm.



- **Waterproofing:** Waterproofing the base of the external walls in contact with the floor.

## VI - ASSEMBLY:

Assembly requires at least two people, one holding the panel and the other fixing it.

The assembly of the panels must be started at one of the corners of the building, fixing the first wall panel that advances to the corner of the floor slab to the floor.

