



**ASTEEL AJIYA GREEN INTEGRATED
BUILDING SYSTEM**

**We Provide Roofing And Building Materials
That Everyone Prefers**

INTRODUCTION

AGiBS™ green integrated building system which can be used to design, detail and manufacture steel frames for both residential and light commercial market. The next phase of eco-friendly construction evolution that promises accelerated project completion and higher productivity due to shortened construction time, reduced labour and wastages.

The breakthrough complies with Australian Standards and is endorsed by CIDB Malaysia.



ADVANTAGES & BENEFITS

- Fast & Easy Installation
- Flexible Designs
- Pre-punched Service Openings
- Decreased Heavy Machinery Usage
- Welding Not required
- Smoother & Even Wall Surface
- Lightweight Reinforce Concrete Wet Wall System
- Decreased Site Cleaning Costs due to Debris and Waste Reduction
- Minimizes Crack Lines



Cost Effective and Quick to Build

Construction is quick and simple with the FRAMECAD accurate steel frame system components. This means high quality results anywhere, using low-cost, low-skilled labour and shorter timeframes.



Strong and Design-Flexible

Steel's inherent strength enables architectural and design flexibility – allowing long spans and curves to be easily incorporated into functional designs.

Fire Resistant

Steel frame housing components have been tested and proven to withstand severe bush fire temperatures of more than 1000°C.



Durable and Safe

Thanks to exceptional resistance to fire, corrosion and pests, steel framed buildings are the first choice for extreme environmental conditions. Because steel doesn't need treating with pesticides, preservatives or glues, it's also safer for people handling and living or working around it.



Waste Reduction



Welding not required



Lightweight Reinforce Concrete Wet Wall System

AGiBS™ green integrated building system is a complete steel framing system that you and your clients can trust. The system incorporates the world class **CAD software system**.

Our **CAD software system** incorporating over 20 years of light gauge steel research and development, and construction feedback from thousands of projects.

CAD System can generate 3D building information modeling (BIM) used in the building and construction industries for steel and concrete detailing, precast and cast-in-situ.

The **AGiBS™** rollformer is a high speed solution for manufacturing precision house frames. It is able to manufacture all the sections required for a house frame with high speed production.

The **Tekla® software system** is a cost competitive, easy to install building system that is self-certified for non-cyclonic regions and includes all brackets and accessories required for a complete housing solution.



AGiBS™ ROLLFORMER



The **AGiBS™** rollformer is an all-in-one rollformer, producing all steel sections required for trusses and wall frames. This saves factory space and reduces manufacturing complexity.

The **AGiBS™** rollformer comes in two sizes: 75mm & 90mm

Manufacturing using the **AGiBS™** rollformer is fast and simple as the rollformer is especially designed for high speed rollforming and punching. The Quality Control procedures take the guess work out of operation. It is not just a machine - it is a complete manufacturing system.

Two sections are manufactured - a ribbed C-section adding strength to trusses, studs and U-section for nogging and plate. There is also an optional L-profile for ceilings. The **AGiBS™** rollformer will also manufacture brackets required for the **AGiBS™** integrated building system



AGiBS™ WALL FRAME SYSTEM SMART WALLING SYSTEM

AGiBS™ frame system is a lightweight wall framing system that has been specifically designed with follow on trades in mind. The inclusion of trussed headers makes the wall framing system an efficient wall system.

Pre-punched holes and recesses dimples in the framing system act as locators for easy assembly and ensure a flush finish, Multiple service holes mean that services can be run without the need to drill holes. Rib lath is easily attached to **AGiBS™** framing system.



ADVANTAGES & BENEFITS

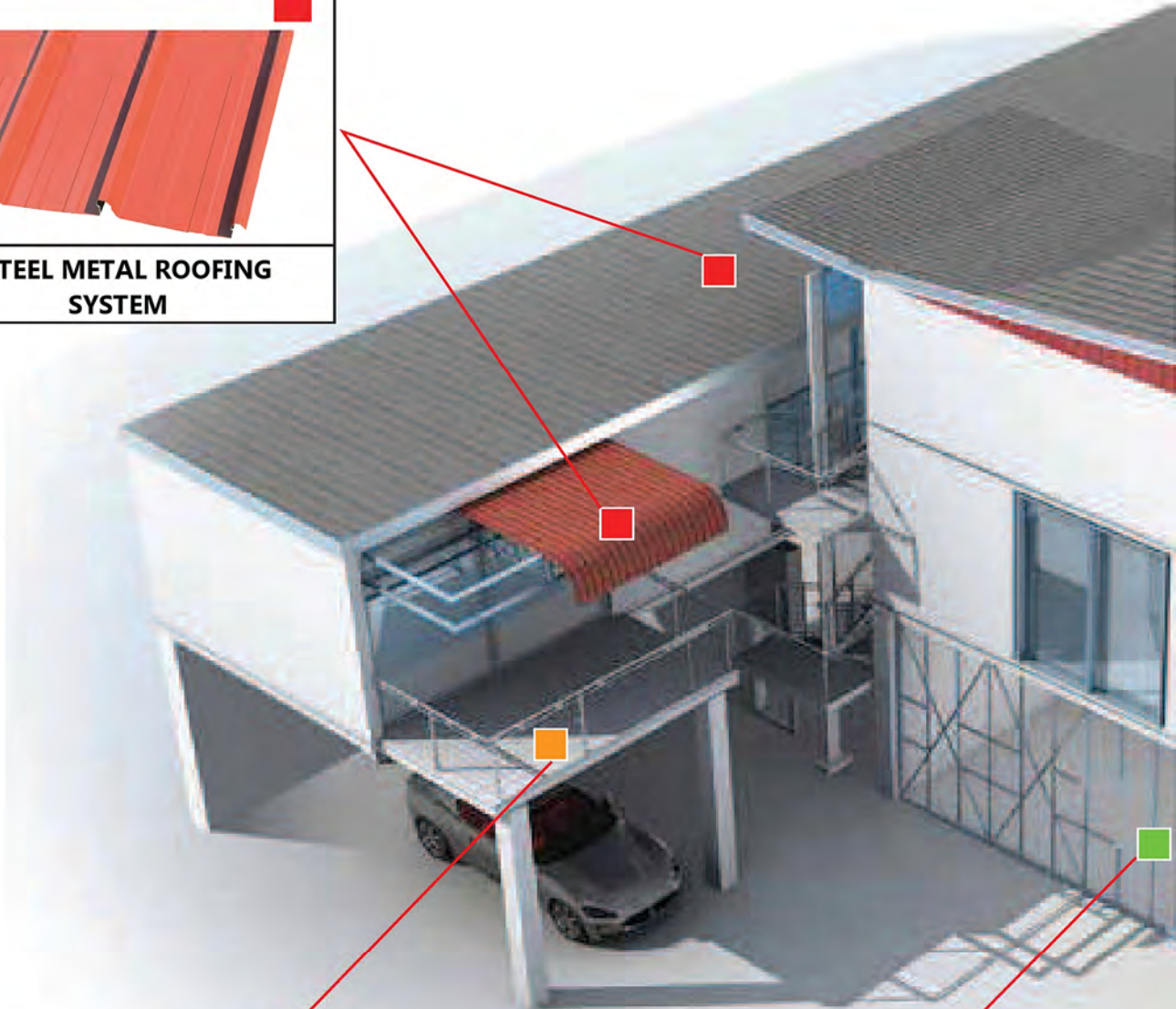
- Precise & Accurate (no measurement needed to be taken on-sit at all)
- **Computer-Aided Design (CAD)** software system (Pre-calculate Engineering Drawing)
- Plate Transition bracket (Front & Side Grip Hold Down Bracket)

WET WALL SYSTEM

Wet Wall is a wall reinforced with expanded metal and plastering at both sides of wall. Infill with cement mixture to the wall will enhance the performance of the wall in terms of water adsorption, permeability, sound transmission and most importantly, the impact strength.



8 | SERIES OF HOUSING COMPONENTS





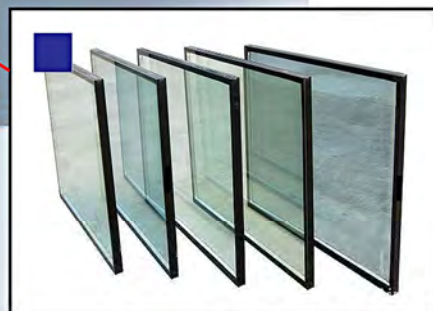
ASTEEL TRUSS SYSTEM



**AriteQ™ / ASTEEL
CEILING PRODUCT**



**AriteQ™ / ASTEEL
SUN SHADE PANEL**



AJIYA SAFETY GLASS



AJIYA FRAME PRODUCTS



ASTEEL GROUP



ASTEEL AJIYA

ASTEEL AJIYA SDN BHD (1279869-K)

LOT 1268, BLOCK 8, DEMAK LAUT INDUSTRIAL PARK IV,
93050, KUCHING, SARAWAK.

TEL: +6082 433 403 / +6082 433 402

FAX: +6082 433 686

