QUICK . COST EFFECTIVE . LIGHTWEIGHT

S FRAME



S FRAME BUILDTECH SDN. BHD.

(1201656-K)

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COMPANY BACKGROUND

- S. Frame Buildtech Sdn. Bhd. specializes in design, manufacture, construction of light gauge steel framing which having its office and factory in bintulu, sarawak.

WHAT IS LIGHT GAUGE COLD-FORMED STEEL FRAMING (LGSF) ?

- One type of cold-formed construction method that fabricated from thin steel sheet formed into variou
- LGSF in internationally recognized and accepted in as US, Europe, New Zealand and etc.
- Benefits: - lightweight, strong, quick, high accuracy clable, cost effective, fire resistance, etc.

WHAT IS S FRAME SYSTEM?

- S. Frame System is adopting light gauge cold-formed steel framing to produce the following components :



Load/Non-load Bearing Wall Panel System



Roof Truss System



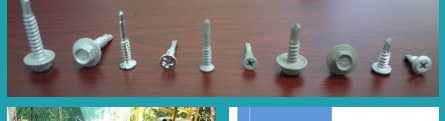


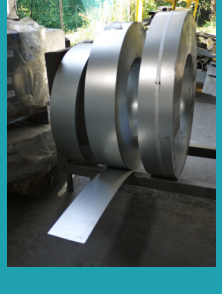
Floor Joist System

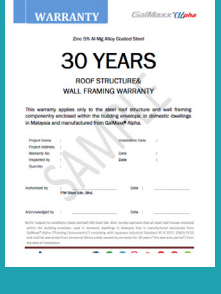
- The frames are designed in compliance to various international standards such as British / Australian / New Zealand standards or other equivalent standards.
- We utilize computer aided design (CAD) software and CNC cold forming machines, to design and produce the components.
- All components are individually processed and labelled either to assemble in the factory or site.
- For factory assembly, we normally produce the components in panels form, and transportable size with ease of handling. Likewise for site assembly, members will be bundled up in flat pack then deliver to site. Identity marking will be printed onto individual member for ease of reference.
- High quality screws are used to fasten the members together.

CORROSION PROTECTION

- Screws with high quality corrosion protective coating are used. For example class 3 protective coating screws.
- Steel coils either or mild steel or high tensile steel sheet coated with various kinds of corrosion protective coating for instance hot dipped galvanized, hot dip aluminium zinc alloy, galmaxx® alpha and etc. Some coil manufacturers extend the warranty against corrosion up to 30 years subject to their terms and conditions.







makes use steel framing
s shapes.

developed countries such

, termite free, 100% recy-

EXAMPLE OF STRUCTURES CAN BE BUILT USING S FRAME SYSTEM

- There are many kind of structures can be built by S Frame System ranging from residential housing, commercial buildings, modular structures, roof trusses, building extension work, furniture and etc.
- For examples :

OFFICE







MODULAR BUILDINGS





SHEDS





KER QUARTERS





CONSTRUCTION FORMWORK

HOUSES





BULDING EXTENSION WORK





STORES





STAIRCASE





FURNITURE



PORTABLE ACCOMODATION



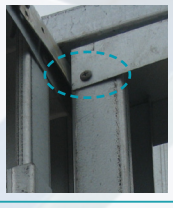
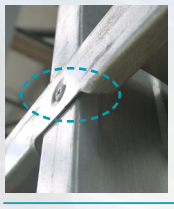
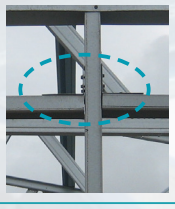
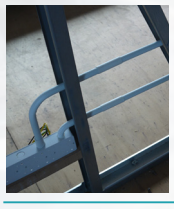
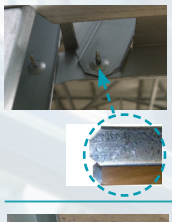
WHY S FRAME SYSTEM?

- High accuracy and precision - all components are designed by CAD software and produced by fully automated cold-formed CNC machine
- S Frame System uses:
  - P-chord concept - the members are connected in plane. This concept can be applied onto wall framings, floor joists and roof trusses.
  - Back to back concept - the members are connected off plane. This concept suitable for conventional roof trusses.





- S frame system assures high quality products in connection features for instance:

S FRAME SYSTEM	CONNECTION FEATURES	CONVENTIONAL SYSTEM
 Screw recess its flush with the surface allowing the drywall to fit flat with the framing.	Dimple	 Screw heads are protruding from the framing surface.
 Crimp section to fit inside a plate or noggin while maintaining the same overall external sizes for both plates and studs.	Swage	 The plate "warp" due to same size of stud fit into it.
 Web notch provision of web opening to allow members passing through one another.	Web & Lip Notch	 I plates are used to connect the nogging onto stud.
 Service holes provision of passage for piping and cabling services.	Service Holes	 Not provided
 Bracing diagonal members can be created for stability and maintaining squareness.	Bracing	 Not provided
 Webbed head strong opening "lintel" to transfer loading from top to the side.	Webbed Head	 Not provided
 End truss provision of chamfering the flanges for diagonal brace/web for creating angular external intersections.	End Truss	No such feature
 End bearing able to create bearing stud with zero clearance so the direct transfer of load from the stud end to the bottom plate.	End Bearing	No such feature
 Identity printing - provision to print the label for each single member of plate/stud.	Ink Jet Printer Information	No such feature

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