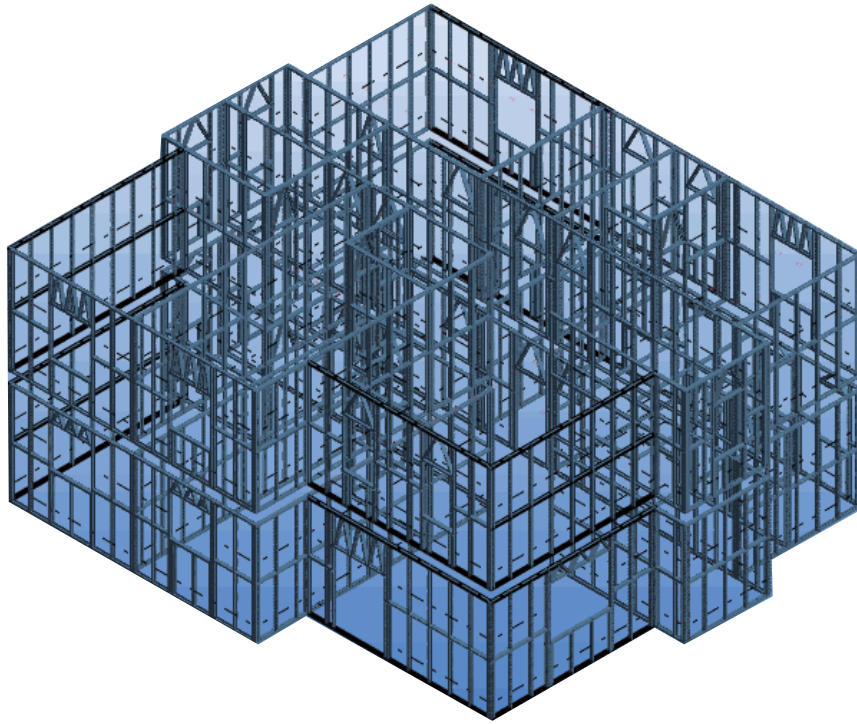


PROFORMER LGS/LSF Steel Framing System

Integrated Design to Production LGS Solution





Steel framing utilizes cold roll formed steel members for walls, floors, and/or roofs. The framing members are C-sections with standard dimensions.

Steel framing machine produce galvanized sheet steel. The sheets are zinc coated (galvanized) to prevent corrosion.

Manufacture of steel framing members adheres to strict tolerances, which results in consistent strength, straightness, and dimensionally stable members.

Steel framing provides excellent design flexibility due to the inherent strength of steel, which allows it to span longer than wood, and also resist wind and earthquake loads.

All cold roll formed steel framing contains a minimum of 25% recycled steel. The major environmental benefits of steel framing include: a 25% minimum recycled content and 100% recyclability; minimal job site waste due to standard quality.

Framing members can be ordered cut-to-length which can result in reduced on site labor costs and reduced on site waste. Framing weighs up to two-thirds less than conventional materials. Lightweight steel framing lends itself to panelization techniques that can speed the on site construction process by allowing the assembly of walls in controlled environments. Steel framing members also have pre-punched holes that allow for easy installation of electrical wiring and plumbing.

Natural disasters, especially earthquakes, are unpredictable in terms of magnitude, frequency, duration, and location. Consequently, the ideal structure to withstand earthquake forces will behave in a consistent and predictable manner. Cold roll formed steel is capable of meeting this standard due to the strict process used to manufacture steel studs, inherent properties of steel and typical construction methods used in steel framing.

The Benefits of the steel framing are as below:

- **Cost Effective**
- **Easy to Install**
- **Uniform Quality**
- **Strong and Lightweight**
- **Design Flexibility**
- **Improved Construction Quality**
- **Fire Resistant**
- **Saves Labor**
- **Recyclable**

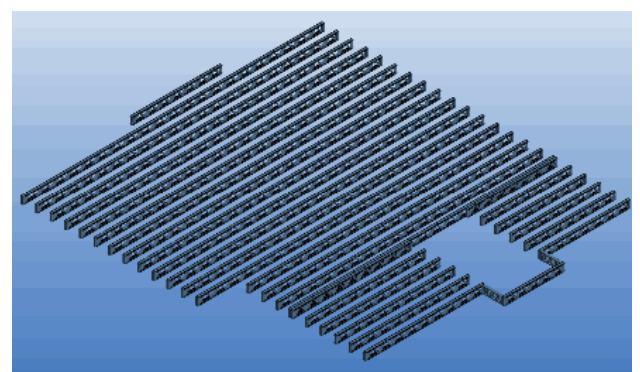
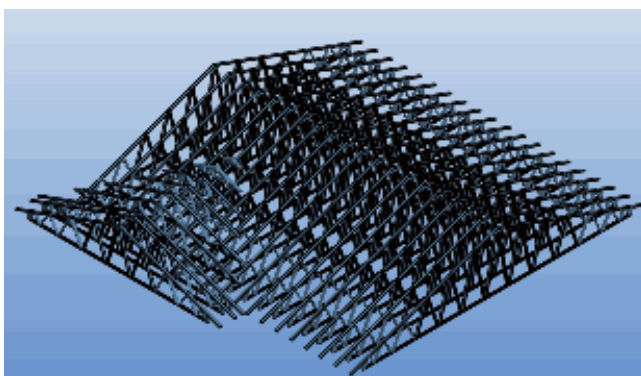
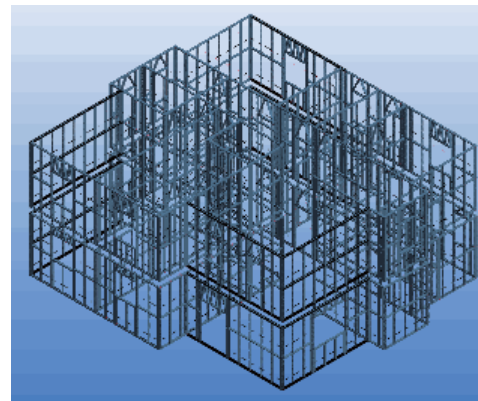
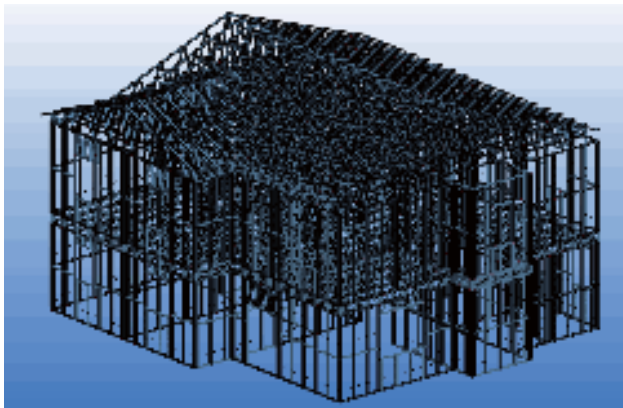
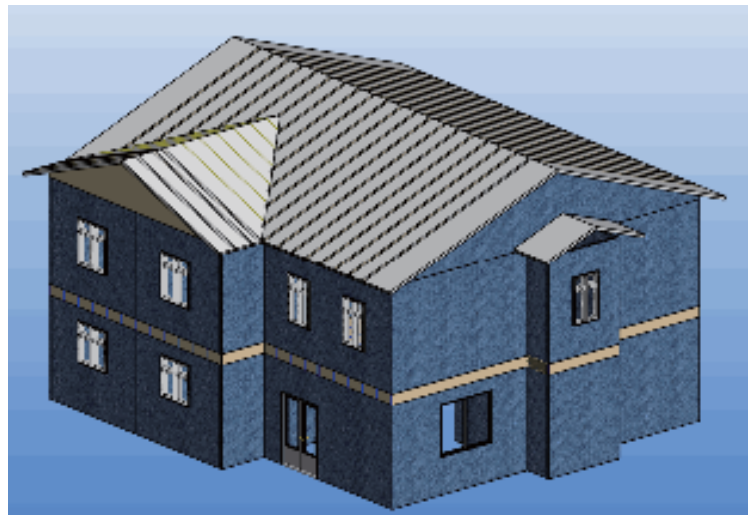
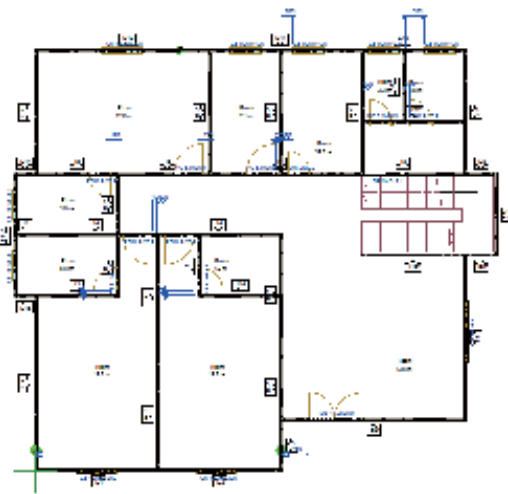


The PROFORMER steel framing system is a modern method of rapid, quality construction using light gauge steel. The PROFORMER steel framing machines make all punching and fixing holes by accurate computer control. This allows Frames or Trusses to be manufactured with high precision and enable the frame to be self locating.



Design Software: the steel framing system of the Proformer use the world famous Architectural and Framing Software. It is a full house design software, home building software, light commercial building software, and panel fabrication software, all packaged together. It combines the functionality of the Architectural and Framing software packages into one complete system. Custom home builders, production home builders, and commercial builders of all types and sizes use this software when they need the ability to create full architectural and structural drawing sets. Manufactured, modular and panelized home builders also take advantage of the fabrication drawing features, and with the NC Link add-on module, export framing information directly to their manufacturing equipment.

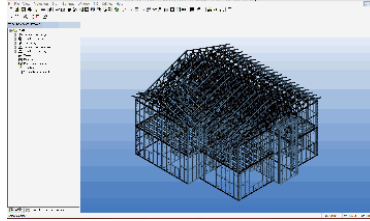
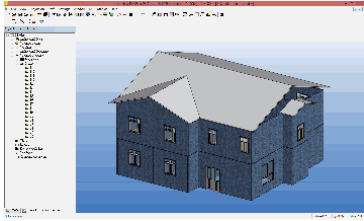
The software contains the functionality necessary for creating architectural, structural, and fabrication drawing sets. This includes all the features for creating walls, doors, windows, roof, ceilings, and floors in 2D layouts and 3D models, as well as, architectural trims, beams and columns, and other architectural components, plus all the framing layout features for walls, floors, ceilings, and roofs. It also includes 2D and 3D macros of furniture, appliances, cabinets, and many other accessories that will add a new level of detail to your models.





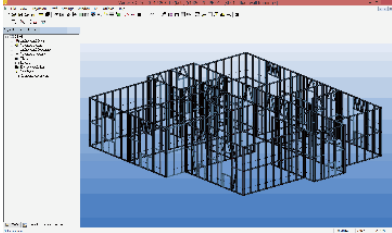
Step 1: 3D CAD Design

3D Design Software (CAD)

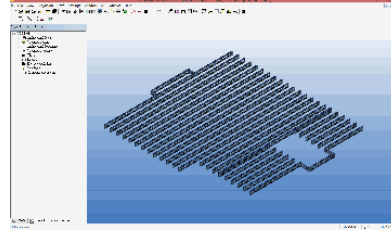


Step 2: Detailing

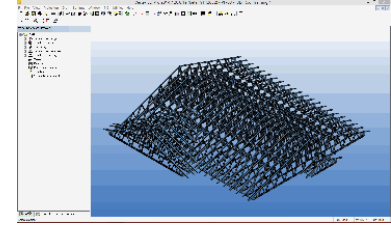
Wall Panel



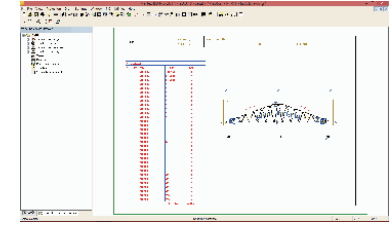
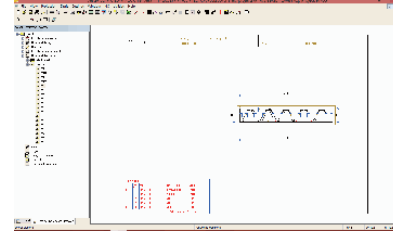
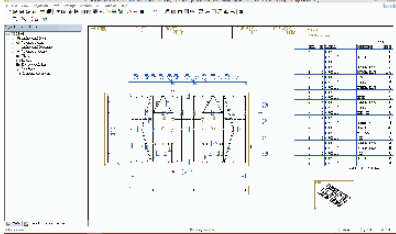
Floor Truss



Roof Truss



Step 3: Generate CAM CNC file



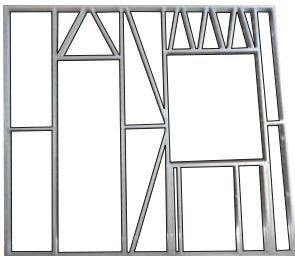
Step 4: Produce piece by piece

LGS/LSF Framing



Step 5: Panel Assembly

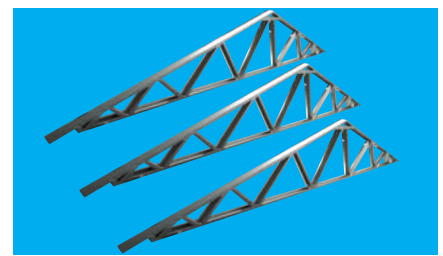
Wall Panel



Floor Truss



Roof Truss



Step 6: Structure engineering



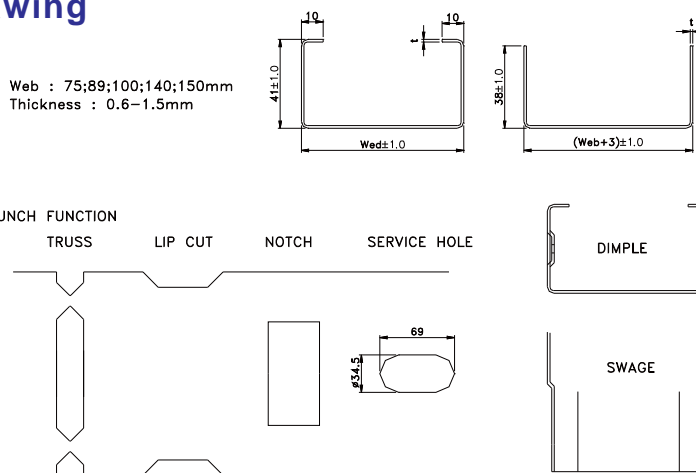


A1 Steel Framer: The A1 machine is a single web size profile. The A1 is suited to construct walls, floors and roofs for Residential, Modular & Transportable Units and Light Commercial construction.
The A1's web profile can be 75mm or 89mm or 100mm or 140mm or 150mm.
The thickness range is from 0.6-1.5mm.

A1 Machine Photo



A1 Profile drawing



A1 Specification

Description: Single Web Size Profile (C+C & C+U) Framing System

Design Soft Integrated: Design Software with 3D Modeling, Detailing, Structure calculations

Machine Control: Windows Base PC control & Full NC linked with Design Software

Profile Sizes Capable

C Profile: A1-75 (75x41mm) or A1-89(89x41mm) or A1-100(100x41mm)
or A1-140(140x41mm) or A1-150(150x41mm)

U Profile: A1-75 (78x38mm) or A1-89(92x38mm) or A1-100(102x38mm)
or A1-140(143x38mm) or A1-150(153x38mm)

Thickness Range: 0.6mm-1.5mm

Tooling Punch: Service Hole, Web Notch, Lip cut, Truss, Dimple, Swage, Crimp, Shear

Max. Line Speed: 1800M/min

Main Driver Motor: 10HP (7.5Kw) Servo Motor

Hydraulic Power: 7.5HP(5.5Kw) with 3 Liters Accumulator and Oil Cooler

Printer: Hitachi Industrial Inkjet Printer

Dimension: Length 4000mmx Width 1350mmx Height 1450mm

Machine Weight: about 3500Kgs

Uncoiler: 2000Kgs, Powered

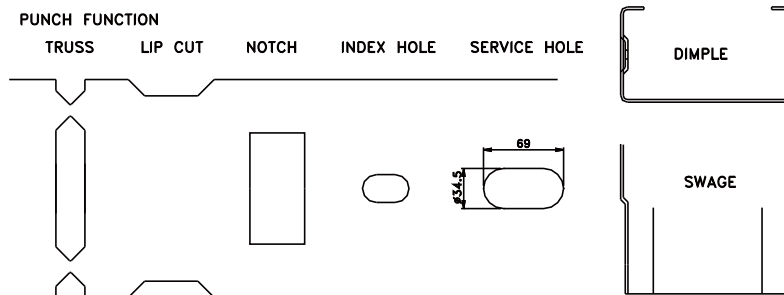
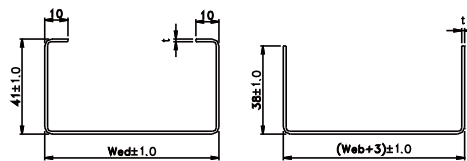
A3 Steel Framer: The A3 machine with three web size profiles. The A3 is suited to construct walls, floors and roofs for Residential, Modular & Transportable Units and Commercial construction.
 The A3's web profile can be 75/89/140mm or 75/100/140mm or 75/89/150mm or 75/100/150mm.
 The thickness range is from 0.6-1.5mm.

A3 Machine Photo



A3 Profile drawing

Web : 75/89/140mm or
 75/89/150mm or
 75/100/140mm or
 75/100/150mm
 Thickness : 0.6-1.5mm



A3 Specification

- Description:** Three Web Size Profiles (C+C & C+U) Framing System
- Design Soft Integrated:** Design Software with 3D Modeling, Detailing, Structure calculations
- Machine Control:** Windows Base PC control & Full NC linked with Design Software
- Profile Sizes Capable**
 - C Profile:** A3-75/89/140 (75/89/140x41mm) or A3-75/89/150(75/89/150x41mm) or A3-75/100/140(75/100/140x41mm) or A3-75/100/150(75/100/150x41mm)
 - U Profile:** A3-75/89/140 (78/92/143x38mm) or A3-75/89/150(78/92/143x38mm) A3-75/100/140(78/103/143x38mm) or A3-75/100/150(78/92/153x38mm)
- Thickness Range:** 0.6mm-1.5mm
- Tooling Punch:** Service Hole, Web Notch, Lip cut, Truss, Index hole, Dimple, Swage, Crimp, Shear
- Max. Line Speed:** 1800M/min
- Main Driver Motor:** 10HP (7.5Kw) Servo Motor
- Hydraulic Power:** 7.5HP(5.5Kw) with 3 Liters Accumulator and Oil Cooler
- Printer:** Hitachi Industrial Inkjet Printer
- Dimension:** Length 5100mmx Width 1500mmx Height 1500mm
- Machine Weight:** about 4000Kgs
- Uncoiler:** 2000Kgs, Powered