

DESIGN
GUIDE

X-1[®] Steel Framing

 **STRATCO**





STRATCO
**X-1 FRAMING™
SYSTEM**

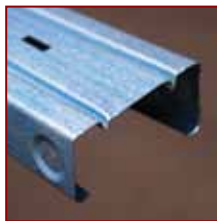
X-1 Framing System

The X-1 Framing System is a complete steel framing solution that has been designed and engineered by Stratco to strict standards of strength and quality.

With straight and true lines the Stratco X-1 Framing System can add an extensive range of quality features to your next project, such as raked or dropped ceilings, split level living areas and complex roof profiles.

X-1 Steel frames ...

- Are termite and borer resistant
- Remain straight and true
- Are easy to install
- Are strong and lightweight
- Do not absorb water
- Are not susceptible to dry rot
- Will not contribute to the fire load
- Are safe to handle
- Allow extended design freedom
- Are 100% recyclable
- Improve work site security



X-1 Wall Frames

Straight and true

Double ribbed 75mm zinc/alum high tensile steel stud, plate and noggin provides superior strength and rigidity.

Walls and ceilings are straight and true with no twists and curves making linings, floor coverings and carpentry simpler and quicker to install.

Recessed connections

Recessed locating indents and fixing holes create a flush and uniform wall finish, ideal for the installation of both internal and external wall linings.

The unique textured stud profile provides a strong keying surface for lining adhesives.

Special features

X-1 wall frames make home building easier...

- Rolled edge service holes for electrical and plumbing remove the need to use grommets.
- The product is asymmetric which allows studs to be 'boxed' (Fit inside one another).
- Stratco's lock-in brick tie system eliminates the use of fasteners.
- Light weight frames make handling and installation easier.





X-1 Roof Trusses



Truss chord and web

By using high tensile zinc/alum steel truss chord and web members the X-1 Framing System achieves up to a 15m clear spanning capacity.

X-1 roof trusses are suitable for tiled or steel roofs with pitches from 10° to over 45° and up to 900mm eaves overhang.



Truss tie down system

The X-1 truss tag system provides a simple and convenient way of positioning and securing trusses to external walls.

This system reduces installation time and the reliance on on-site measurements.



Profiles

X-1 roof trusses are designed to allow for a broad range of roof and ceiling profiles such as:

- Dutch gables
- Hips
- Skillion roofs
- Exposed eaves
- Porticos
- Raked ceilings
- Coffered ceilings
- Dropped bulkheads

X-1 Flooring

Utilising open web bearers and joists the X-1 Framing System offers a versatile, tough and reliable solution for multistorey homes.

X-1 flooring is suited to a wide range of floor coverings including particle board and aerated concrete products.

Roof Truss Designs



CONTACT

1300 165 165

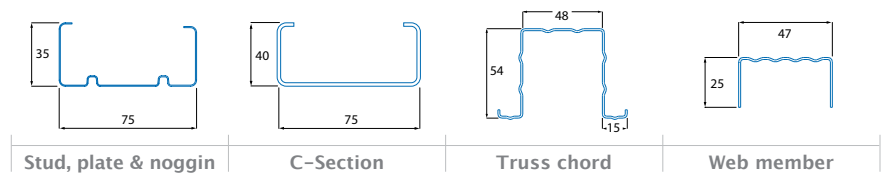
Specifications

Steel wall frames

- Stud, plate and noggin width 75mm
- Material 0.55/0.75mm BMT, G550 AZ150
- Maximum stud spacing 600mm
- Connections 5mm steel rivet
- Bracing 0.8mm x 30mm tensioned strap

Steel roof frames

- Truss chord height 54mm
- Truss chord width 78mm
- Web member width 47mm
- Truss chord and web member material 0.80/1.0mm BMT, G550 AZ150
- C-Section rafters height 75mm
- C-Section rafters material..... 0.95mm BMT, G550 Z350
- Maximum clear truss span 15m
- Connections Steel self drilling screws



Easy Installation

Quick and easy to install, the Stratco X-1 Steel Framing System is ideally suited to project, specialist and owner builders. By providing you with a complete set of steel components your frames are installed following a step-by-step set of assembly instructions.

By utilising many of the second fix features built into your Stratco X-1 frames you will soon find second fixing to the X-1 Framing System both quick and easy. All this is backed by Stratco's commitment to the highest level of customer service.

Quality Design and Engineering

Stratco X-1 wall frames and roof trusses are manufactured from high tensile Zinc/alum steel providing high strength and excellent corrosion protection. Due to the extensive use of light-weight steel sections the X-1 Framing System is also very easy to handle on site.

The Stratco X-1 Framing System has been designed in accordance with applicable Australian Standards, AS/NZS 1170.0, .1 & .2, AS4055, AS4600, AS3600 and AS3623. The engineering calculations have been assessed and certified by independent structural engineers.

Maintenance

X-1 Steel Framing is produced from the highest quality materials and will provide many years of service if the important recommendations set out in the Stratco 'Selection, Use and Maintenance' brochure are followed.