

## Data Sheet

### Product Name

Steel-Con™ Roof and Floor Trusses

### Manufacturer

Steel Construction Systems  
11250 Astronaut Blvd.  
Orlando, FL 32837  
Phone: (407) 438-1664

### Product Description

Steel-Con light gauge steel roof and floor trusses offer builders a competitive alternative to traditional wood trusses. Advantages include:

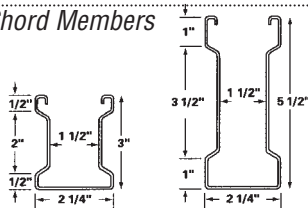
- ▶ Higher strength-to-weight ratio
- ▶ More consistent quality
- ▶ Dimensionally stable
- ▶ Non-combustibility
- ▶ Termite/Vermin - resistance

Steel-Con roof and floor trusses employ a proprietary (*patented*) chord section that provides significant improvements over other light-gauge steel shapes currently available, including:

- ▶ More efficient use of material
- ▶ Safer to handle
- ▶ Easier to fabricate
- ▶ Simpler to erect

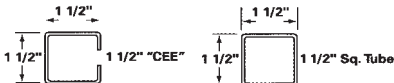
### Product Design

#### Chord Members



Available in 20-18-16 gauge material

#### Web Members



Available in 20 gauge material

Available in 20-18-16 gauge material

### Technical Data

All sheets steel metal used in Steel-Con trusses is mill certified to meet ASTM A653 Structural Steel requirements with G60 galvanization in the following thickness:

Reference Gauge	Minimum Base Metal Thickness
22	0.027"
20	0.033"
18	0.043"
16	0.054"

The calculation of structural properties for the chord and web members are in accordance with the AISI "Specification for the Design of Cold-Formed Steel Structural Members" and trusses are designed in accordance with the AISI "design Guide for Cold-Formed Steel Trusses."

### Installation

Steel-Con trusses can be stored, handled and installed using methods that are quite similar to traditional wood trusses.

Assistance is available to help builders, framers, and other subtrades become familiar with proper construction procedures, including:

- ▶ Protecting trusses from accidental damage
- ▶ Using temporary bracing during installation
- ▶ Avoiding excessive construction loads
- ▶ Proper storage and installation

### Availability/Costs

Steel-Con trusses are manufactured at our facility in Orlando, FL and distributed throughout the Southeast United States and are available for export. For your local sales representative, please call Steel Construction Systems at (407) 438-1664.

### Warranty

Steel-Con will replace or repair without charge, any of its products that are found to be defective at the time of delivery, barring any altering of fabricated trusses or repairs to damaged chords or webs without prior approval of Steel-Con or a licensed professional engineer.

### Maintenance

Steel-Con trusses are intended for use within properly ventilated and enclosed buildings and require no on-going maintenance.

### Technical Services

Steel-Con trusses are designed by Steel-Con personnel using the advanced Keymark IT software and are "sealed" by a licensed professional engineer.

As with traditional wood trusses, the overall building design, including such items as bracing, hold downs and sheathing attachment, is the responsibility of the engineer/architect of record.

\*See Steel Construction Systems Terms and Conditions of Sale for further details on Warranty, Maintenance and Technical Service