

REALIZE THE BENEFIT

of Cold Formed Steel Framing

Cold-formed steel (CFS) is resilient, adaptable and durable and does not decay or age as quickly as other construction materials, which reduces life cycle costs.



Lower Costs

- Design Savings - CFS has the highest strength-to-weight ratio of any building system
- No Hidden Site Construction Costs - Related to fire safety requirements for combustible framing systems
- Lower Insurance Rates - "Frame" or "Wood" construction has a greater likelihood to burn

Increased ROI

- Quicker Installation & Erection - Earlier return on investment to the owner
- No Height or Floor Size Restrictions - Building owners can maximize the number of units built on an available footprint of land, making it a much more profitable alternative than wood framing



Resists High Seismic / Wind

- Strong and Resilient - Withstand such major events as fire, earthquakes & high wind
- Lateral Load Resistance - Optimal material for this purpose because it is ductile
- Consistent Performance - Steel is an inherently stable, manufactured material
- Connection Strength - Not limited by the resistance of the wood in bearing or withdrawal

Corrosion Resistance

- Zinc Coating - The protective barrier over cold-formed steel will last nearly 700 years before the level of corrosion resistance deteriorates
- Water Retainage - Steel does not retain water



Mold Resistance

- Unlike wood framing, cold-formed steel is inorganic and won't provide a source for mold and mildew

Resists Termites & Pests

- Termites represent a significant threat to the long-term resilience of a building throughout most of the U.S.
- CFS is one of the few materials that can resist termites in nearly any climate or building type



Does Not Burn

- The performance of steel components and steel structures in fire has been researched more extensively than any other building material
- Cold-formed steel does not burn and will not contribute to the spread or intensity of a fire



Quality Light Steel Framing Connections & Members

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THE STEEL NETWORK

REDUCE YOUR RISK INCREASE YOUR RETURN

With Light Steel Framing

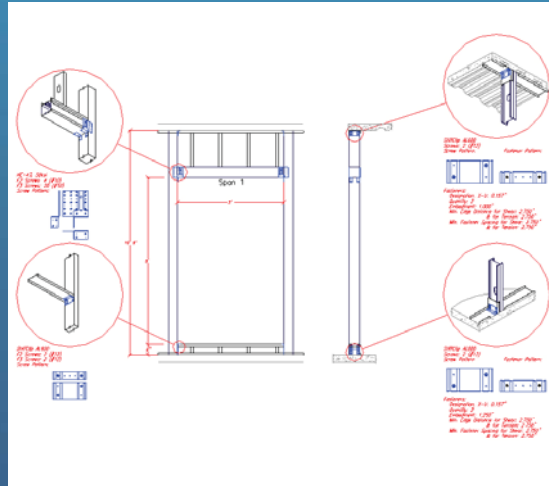
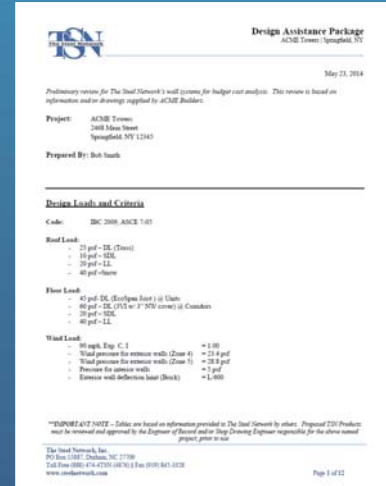


25 YEARS
of PRODUCT
INNOVATION

DESIGN

Design Assist Services

TSN's Design Assist Services cut materials by over 50% and reduced labor associated with the built-up materials in this 8-story project, saving the contractor significant time and labor expenses.



Design Assist Report

Window Opening Details

Ask about our Design Assist Services today to see how TSN products can save you thousands in reduced material and labor!



Materials Cut by 50%!

BUILD

Build Taller and Stronger

SigmaStud's innovative shape is 40% stronger than the conventional "Cee" shaped stud allowing engineers to design more efficient structures.

SigmaStud®: 800SG200-43

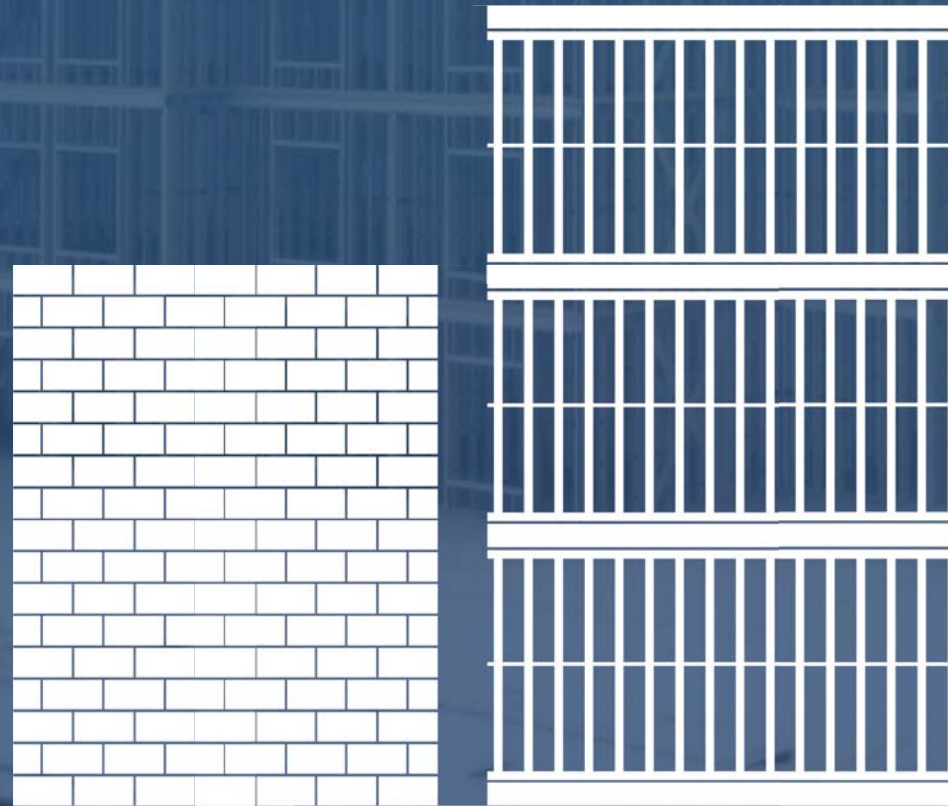
Standard Stud: 800S200-54



Max Axial Load: 10.71 kips

Max Axial Load: 7.66 kips

SigmaStud® Load Bearing Wall System is 82% Lighter than CMU!



Same Weight, More Floors!

SAVE

Rapid Construction

Structural components were erected in 6 weeks rather than the 14 weeks it normally would have taken with concrete block material.



Hilton Garden Inn - Durham, NC

- 6 Stories in 6 weeks
- 120,000 ft² Total Building
- 120 Total Units
- 833 ft² Average per Unit

"TSN's SigmaStud® System cut 30% of our labor and 20% in material costs."

- Derrick Gilchrist, RGC Inc.



1st Floor: January 17



2nd Floor: January 25



3rd Floor: January 31



4th Floor: February 7



5th Floor: February 15



6th Floor: February 21

6 Floors in 6 Weeks!