



Curtain Wall Members

QUALITY LIGHT STEEL FRAMING MEMBERS AND CONNECTIONS

Curtain Wall Members

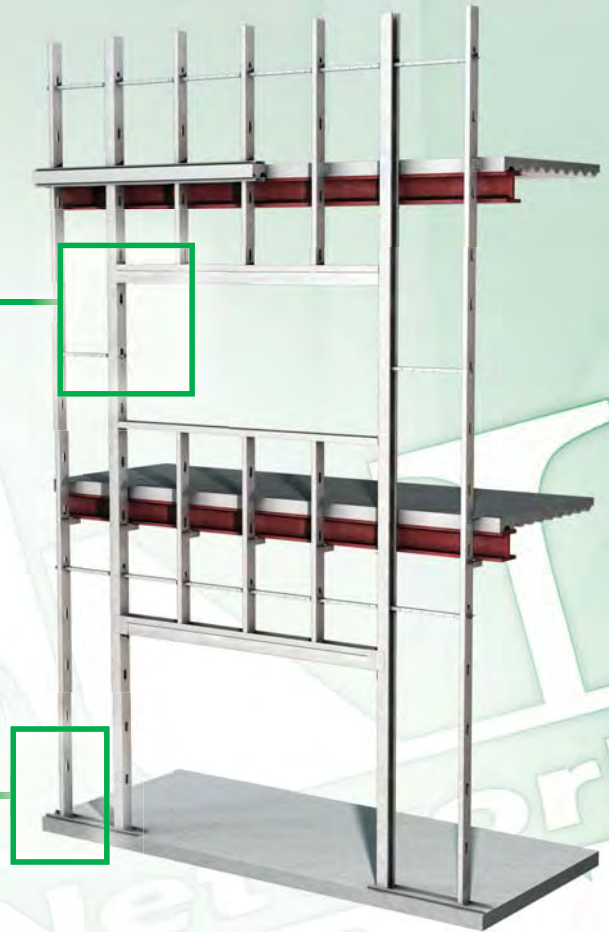
JamStud®

JamStud® Wall Opening Jamb Member
JamStud® Header/Sill Member



Standard Stud & Track

Standard Stud & Track General Information



Project Spotlight: Palomar Pomerado Hospital; Escondido, CA



40% Materials Saved!

The Steel Network's JamStud® was used on one of the largest Hospital projects in the state of California.

The Palomar Pomerado Hospital design team replaced multiple built-up studs and tracks at interior and exterior openings with a single TSN JamStud®. JamStud® was also used to replace tube steel in ribbon windows.

Replacing the built-up sections with a TSN JamStud® resulted in a 40% material savings. Also the use of TSN JamStud® offered additional cost savings in labor.

TSN offered a preliminary design analysis that showed the potential savings TSN would be able to offer this project. This engineering and budget analysis helps to maximize material and installation efficiency on a project. For TSN's Value Engineering Services, contact us at 1-888-474-4876.



Curtain Wall Members

Introduction:

JamStud® is a revolutionary addition to the light gauge steel stud industry, producing significant economies in both design and installation when compared with conventional "C" Shaped studs. JamStud's unique configuration delivers increased strength and stiffness, minimizing or eliminating the use of built-up jamb and header sections in a curtain wall assembly. Available in all common wall stud depths, JamStud streamlines the design and construction process. JamStud's shape is easily differentiated from the typical c-shape, enabling the selection of the most optimal member sizes to fit project conditions.

Quality

- Increases load capacity over a standard "C-shaped" stud of the same thickness, reducing overall all materials needed (single "JS" from double or triple "C-Shape" common)
- Increased stiffness for deflection
- Increased load capacity enables selection of optimal thickness of curtain wall studs

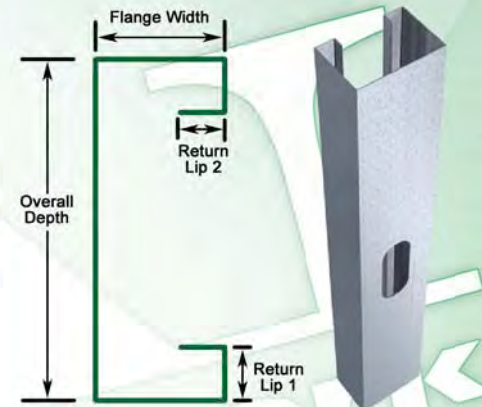
Value

- Simplified jamb and header design
- Lighter weight results in shipping efficiencies and easier handling
- Provides a flat surface for attachment of door or window frame, requiring no additional track
- No welding or fastening built-up members together

JamStud® Wall Opening Jamb Member

Nomenclature

600JS250-43, 50ksi



JamStud® Header/Sill Member

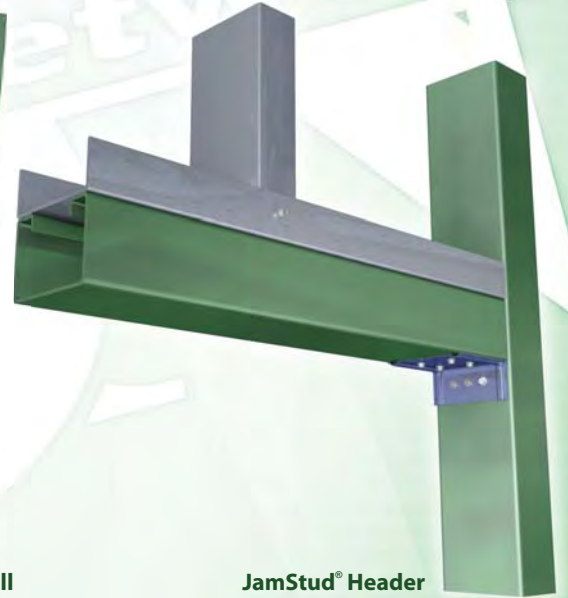
JamStud delivers exceptional value when utilized as part of a header or sill assembly. JamStud's unique shape allows for the design and construction of a lightweight header versus the more cumbersome built-up header assemblies. Oriented horizontally, JamStud provides an increased stiffness and strength compared with standard 'cee' studs, resulting in lighter headers which require less labor to install.

Features

- Eliminates the need for Built up jambs
- Simple Inspection
- Speeds installation
- Fewer fasteners

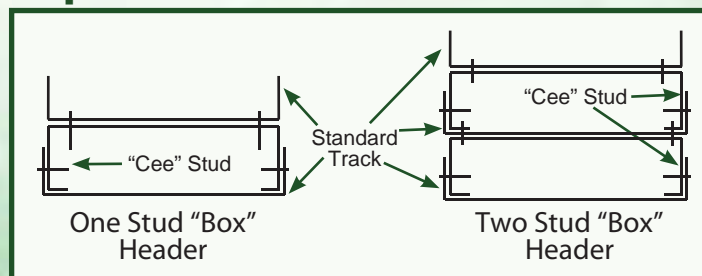


JamStud® at Sill

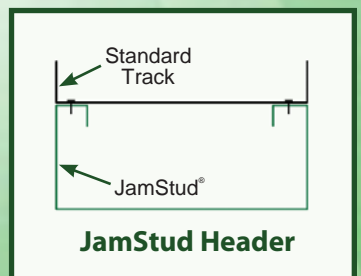


JamStud® Header

Replace This:



With This:



* The top track seen in the assemblies above is to capture the cripple studs above and does not factor in the design of the header.

Curtain Wall Members

Standard Stud & Track

Introduction:

TSN provides solutions for all standard light steel framing applications, including load-bearing mid-rise construction systems, curtain wall systems, rigid connectors, vertical deflection connectors, lateral drift connectors and anchorage connectors. Substantial effort has been made by the industry to standardize construction practices to ensure the positive connections of light steel framing components. Toward this end, TSN products have undergone extensive field and laboratory testing to achieve complete solutions for both designers and installers. In an effort to becoming a full service manufacturer, we offer standard C-shaped studs & track in addition to our other proprietary products.

Quality

- Utilizes only certified 33ksi and 50ksi steel
- All material utilized by TSN is traceable

Value

- Use with all TSN products together as a system, in all applications

Standard Stud & Track General Information

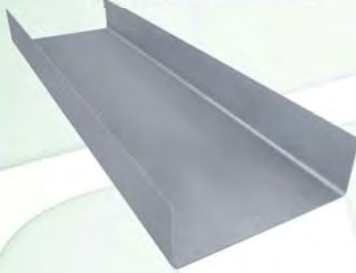
600S162-54

Overall Depth (in) x 100
Ex: 6" = 600
For all "T" sections,
member depth is inside
to inside dimension

Style
Ex: T = Track Section
S = Stud or Joist Section

Flange Width (in) x 100
Ex: 1.625" = 162

Material Thickness (mils)
Ex: 0.054" = 54 mils (16ga)
Material Thickness is the minimum base
metal thickness in mils, representing
95% of the design thickness.



JamStud® Project Spotlight



Use of JamStud as jambs and openings on this 8 story project saved the contractor significant time and labor expenses. With the high amount of openings (500+) it is easy to see how JamStud positively benefits installation. Use of JamStud in lieu of built-up jambs and headers cut materials by over 50% and reduced labor associated with the built-up materials.

Ask about our **Value Engineering Services** today to see how **JamStud®** can save you **thousands** in reduced material and labor!

Terms, Conditions, and Limited Warranty

Product Use

Products in this catalog are designed and manufactured for the specific purposes shown, and should not be used in other applications unless approved by a qualified design professional. All modifications to products or changes in installation procedures should be made by a qualified design professional. The performance of such modified products or altered installation procedures is the sole responsibility of the design professional or installation contractor. The installation contractor and/or qualified design professional are responsible for installing all products in accordance with relevant specifications and building codes.

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Patented Technology

VertiClip®, VertiTrack®, BridgeClip®, BridgeBar®, BuckleBridge®, StiffClip®, DriftClip®, DriftTrak®, DriftCorner®, GripClip®, JamStud®, MidWall®, StiffWall®, SigmaStud®, CircleTrak®, PrimeWall™, NotchTrak®, and BackIt® are trademarked products, and are patented or patent-pending technologies of TSN. Patent numbers are: #5,904,023; #5,467,566; #5,906,080; #6,701,689; and #6,892,504. Numerous TSN design configurations are patented and/or patent pending and are protected under US and International patent laws.

Contact Information

North Carolina

The Steel Network, Inc.
2012 T W Alexander Drive
P.O. Box 13887
Durham, NC 27709
Phone: (919) 845-1025
Fax: (888) 474-4877



Nevada

The Steel Network, Inc.
1650 Helm Drive
Suite 1000 - 1200
Las Vegas, NV 89119
Phone: (702) 643-4330
Fax: (702) 643-4331

Web Site: www.steelnetwork.com

E-mail: support@steelnetwork.com

Toll Free Nationwide Phone
(888) 474-4876

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