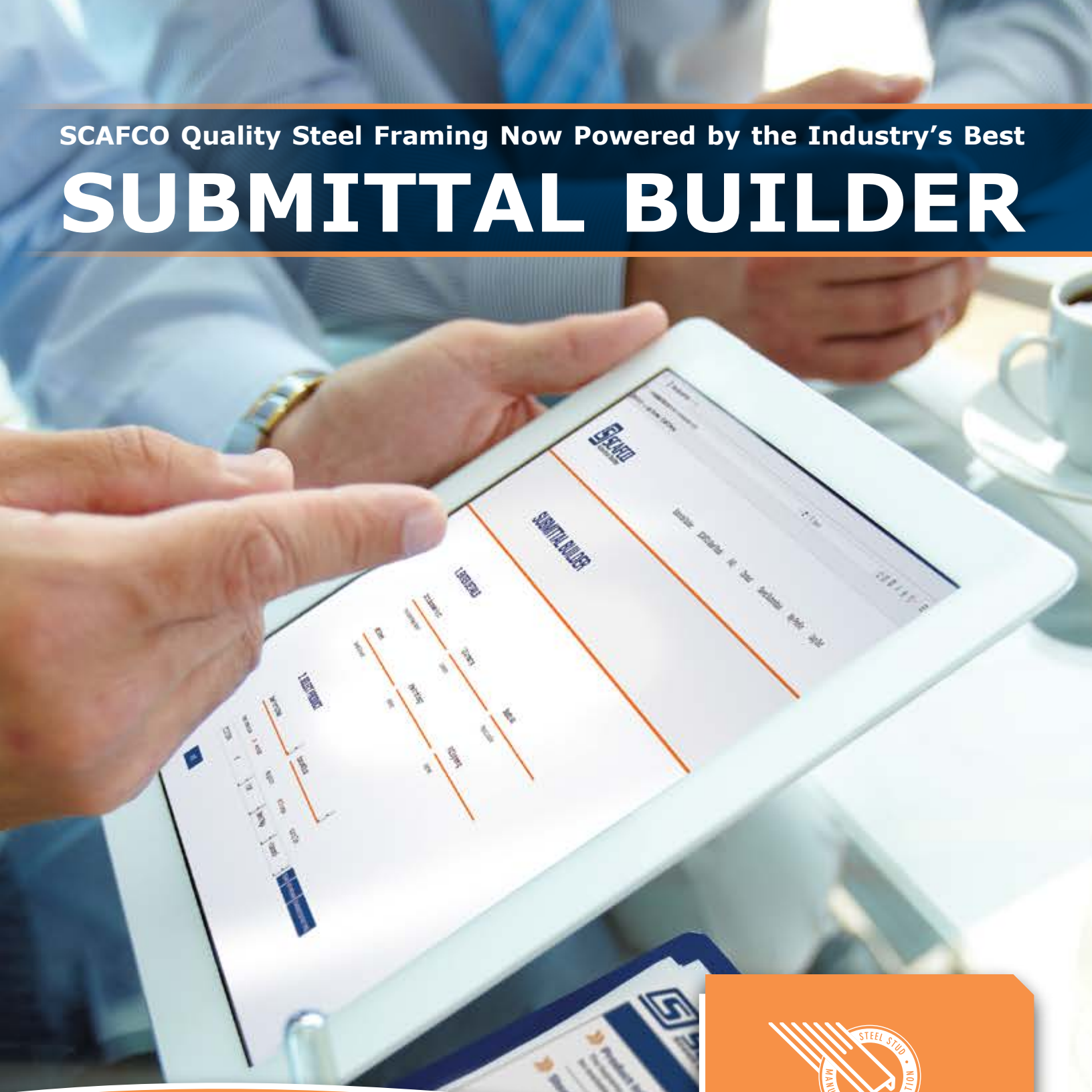
SCAFCO Quality Steel Framing Now Powered by the Industry's Best

SUBMITTAL BUILDER



SCAFCO® Steel Stud Company

SSMA®

SSFSA℠

Supreme Steel Framing System Association

www.SCAFCO.com

www.SCAFCOsubmittal.com

SCAFCO's Submittal Builder is a premium, online tool that helps compile the product data that architects, engineers, and general contractors require.

Register to create a free account and start making custom, organized submittal packages for your project, whether you need a hard copy print or digital file.

All you need is your name and e-mail address to register.

Features and Benefits

SCAFCO's Submittal Builder:

- Creates a project cover page that includes
  - Project Name
  - Project location
  - Name of general contractor
  - Name of architect and engineer
- Organizes the submittal sheet by product category
  - Option to include LEED information and SDS sheets
- Generates a table of contents
- Allows you to e-mail a link or pdf of your submittal

Registered Users Can Then:

- Save submittal packages for individual projects
- Make edits to saved submittal packages

As a registered user you can add, remove or edit submittal sheets as the project progresses. Each submittal sheet is specific to the product you selected.

If any questions arise while building your submittal, contact SCAFCO's engineering department for their assistance and expert analysis.

Call: *509-789-8669*

Email: *Technical@SCAFCO.com*

Effective 04/19/17 and supersedes all previous information.

The Industry's Best Submittal Package

SCAFCO Submittal Builder automatically creates a project cover page, a table of contents, and organizes the submittal sheets by product category.

Let's Get Started!

FIRST – Log In to Create Your Own Account.

It's simple and will only take about 30 seconds.

LOG IN / REGISTER

Now you can begin assembling your submittal package.

Creating Submittal Packages Is As Easy As 1, 2, 3

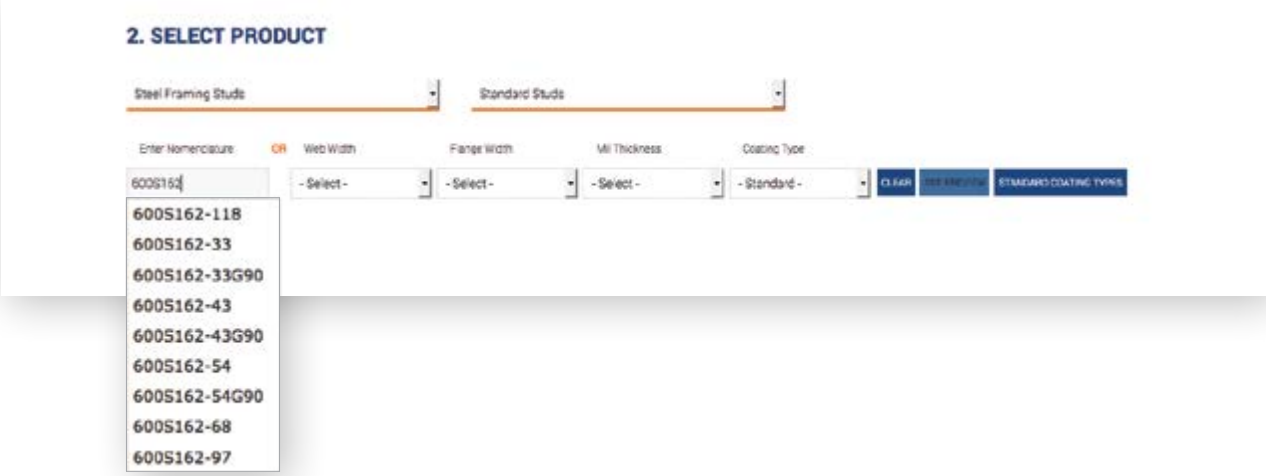
1 Enter Details for Cover Sheet

Now that you've logged in, enter the details for your submittal cover sheet. Fill in the desired fields and move to step 2.

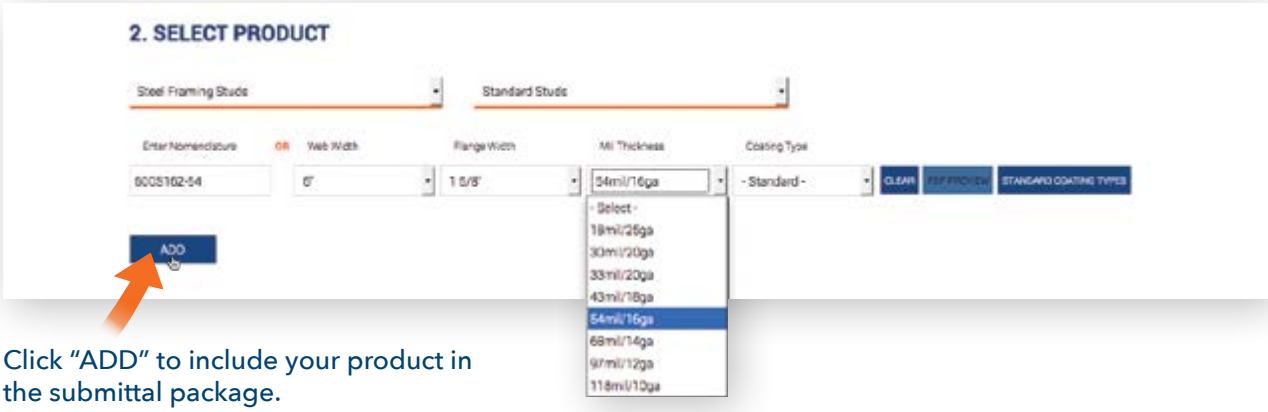
Select Products 2

Once you've finished entering the details for your cover sheet, begin selecting your product part number, or by progressively building your parts by dimension.

Select Products by Part Number Search



OR Select Products by Progressively Building Part by Dimension



Click "ADD" to include your product in the submittal package.

Verify / Edit Your Products 3

With your submittal package compiled, you may verify and edit your products, and select SDS sheets / LEED documentation before generating a PDF or e-mail link.

DONE! Your Submittal Package is Now Professional and Complete

The Industry's Best Submittal Builder Contains:

Cover Page & Table of Contents

Your SCAFCO Submittal Builder cover page conveniently includes the names of the project, location, general contractor, architect and engineer.

The table of contents indicates the page number where each part begins, neatly organized by product category.

SCAFCO Steel Stud Company

Product Submittal Package

Steel Framing Products

Project Name:

School Expansion Project

Contractor:

123 Contracting

Project location:

Seattle, WA

General contractor:

ABC General

Architect:

John Smith Design

Engineer:

XYZ Engineering

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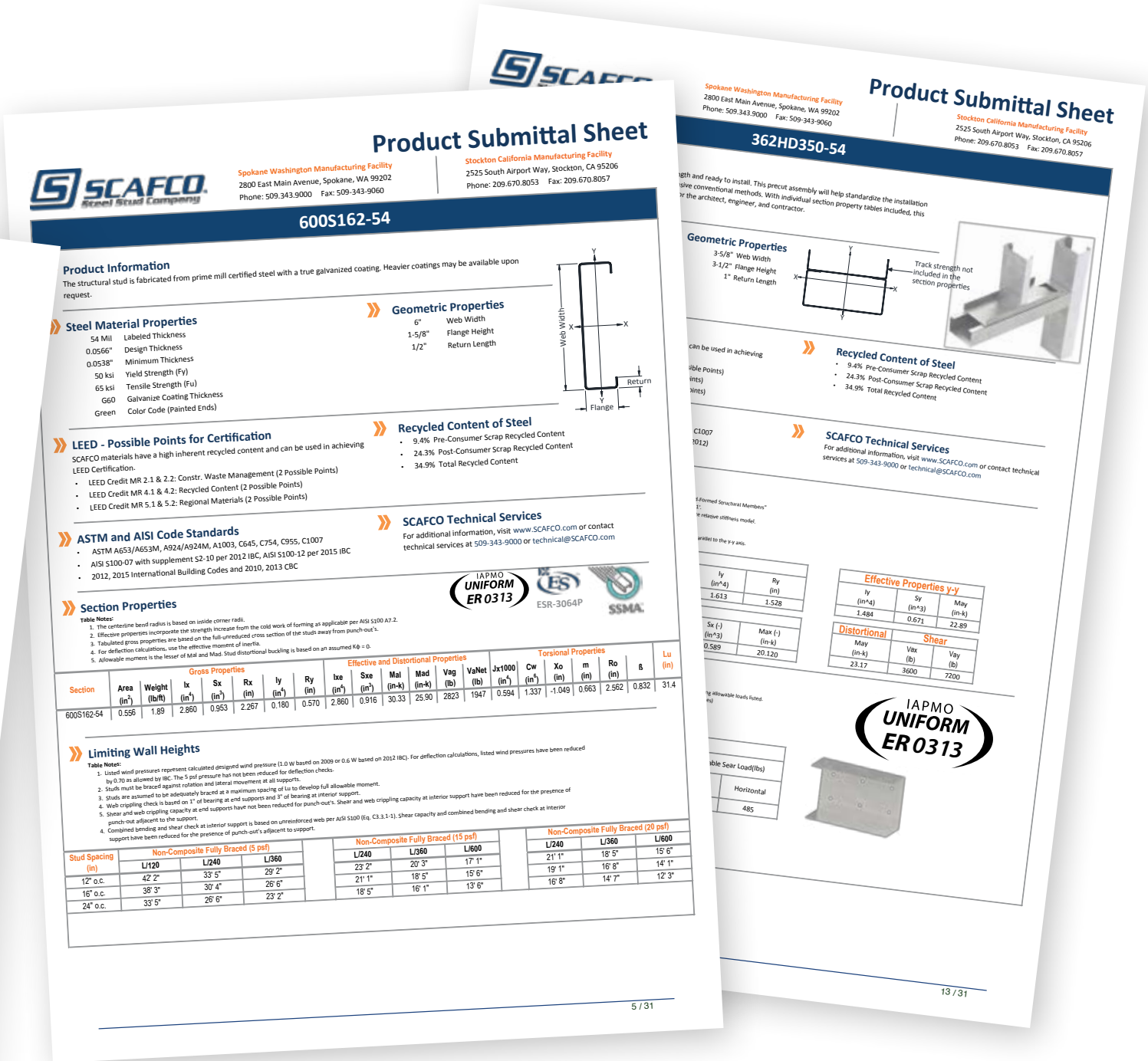
Individual Submittal Sheets

Individual Submittal Sheets include highlights of steel material properties, LEED info, section properties, wall heights and AISI/ASTM Standards.



SCAFCO Steel Stud Company

Spokane Washington Manufacturing Facility
2800 East Main Avenue, Spokane, WA 99202
Phone: 509.343.9000 Fax: 509-343-9060

Stockton California Manufacturing Facility
2525 South Airport Way, Stockton, CA 95206
Phone: 209.670.8053 Fax: 209.670.8057

Product Submittal Sheet

600S162-54

Product Information

The structural stud is fabricated from prime mill certified steel with a true galvanized coating. Heavier coatings may be available upon request.

Steel Material Properties

54 Mil	Labeled Thickness
0.0566"	Design Thickness
0.0538"	Minimum Thickness
50 ksi	Yield Strength (Fy)
65 ksi	Tensile Strength (Fu)
G60	Galvanize Coating Thickness
Green	Color Code (Painted Ends)

Geometric Properties

6"	Web Width
1-5/8"	Flange Height
1/2"	Return Length

Web Width, Return, Flange

LEED - Possible Points for Certification

SCAFCO materials have a high inherent recycled content and can be used in achieving LEED Certification.

- LEED Credit MR 2.1 & 2.2: Constr. Waste Management (2 Possible Points)
- LEED Credit MR 4.1 & 4.2: Recycled Content (2 Possible Points)
- LEED Credit MR 5.1 & 5.2: Regional Materials (2 Possible Points)

Recycled Content of Steel

- 9.4% Pre-Consumer Scrap Recycled Content
- 24.3% Post-Consumer Scrap Recycled Content
- 34.9% Total Recycled Content

ASTM and AISI Code Standards

- ASTM A653/A653M, A924/A924M, A1003, C645, C754, C955, C1007
- AISI S100-07 with supplement S2-10 per 2012 IBC, AISI S100-12 per 2015 IBC
- 2012, 2015 International Building Codes and 2010, 2013 CBC

SCAFCO Technical Services

For additional information, visit www.SCAFCO.com or contact technical services at 509-343-9000 or technical@SCAFCO.com

IAPMO UNIFORM ER 0313 | ESR-3064P | SSMA

Section Properties

Table Notes:

1. The centerline bend radius is based on inside corner radii.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI S100 A7.2.
3. Tabulated gross properties are based on the full-unreduced cross section of the studs away from punch-out's.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment is the lesser of Mal and Mad. Stud distortional buckling is based on an assumed Kϕ = 0.

Section	Gross Properties							Effective and Distortional Properties					Torsional Properties						Lu
	Area (in²)	Weight (lb/ft)	Ix (in⁴)	Sx (in³)	Rx (in)	Iy (in⁴)	Ry (in)	Ixe (in⁴)	Sxe (in³)	Mal (in-k)	Mad (in-k)	Vag (lb)	VaNet (lb)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	m (in)	Ro (in)	ß	(in)
600S162-54	0.556	1.89	2.860	0.953	2.267	0.180	0.570	2.860	0.916	30.33	25.90	2823	1947	0.594	1.337	-1.049	0.663	2.562	0.832	31.4

Limiting Wall Heights

Table Notes:

1. Listed wind pressures represent calculated designed wind pressure (1.0 W based on 2009 or 0.6 W based on 2012 IBC). For deflection calculations, listed wind pressures have been reduced by 0.70 as allowed by IBC. The 5 psf pressure has not been reduced for deflection checks.
2. Studs must be braced against rotation and lateral movement at all supports.
3. Studs are assumed to be adequately braced at a maximum spacing of Lu to develop full allowable moment.
4. Web crippling check is based on 1" of bearing at end supports and 3" of bearing at interior support.
5. Shear and web crippling capacity at end supports have not been reduced for punch-out's. Shear and web crippling capacity at interior support have been reduced for the presence of punch-out adjacent to the support.
4. Combined bending and shear check at interior support is based on unreinforced web per AISI S100 (Eq. C3.3.1-1). Shear capacity and combined bending and shear check at interior support have been reduced for the presence of punch-out's adjacent to support.

Stud Spacing (in)	Non-Composite Fully Braced (5 psf)			Non-Composite Fully Braced (15 psf)			Non-Composite Fully Braced (20 psf)		
	L/120	L/240	L/360	L/240	L/360	L/600	L/240	L/360	L/600
12" o.c.	42' 2"	33' 5"	29' 2"	23' 2"	20' 3"	17' 1"	21' 1"	18' 5"	15' 6"
16" o.c.	38' 3"	30' 4"	26' 6"	21' 1"	18' 5"	15' 6"	19' 1"	16' 8"	14' 1"
24" o.c.	33' 5"	26' 6"	23' 2"	18' 5"	16' 1"	13' 6"	16' 8"	14' 7"	12' 3"

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Product Submittal Sheet

362HD350-54

...gth and ready to install. This precut assembly will help standardize the installation ...sive conventional methods. With individual section property tables included, this ...r the architect, engineer, and contractor.

Geometric Properties

3-5/8" Web Width
3-1/2" Flange Height
1" Return Length

Track strength not included in the section properties

...can be used in achieving ...ible Points) ...ints) ...oints)

Recycled Content of Steel

- 9.4% Pre-Consumer Scrap Recycled Content
- 24.3% Post-Consumer Scrap Recycled Content
- 34.9% Total Recycled Content

...C1007 ...012)

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...-Formed Structural Members" ...e relative stiffness model. ...arallel to the Y-Y axis.

Iy (in^4)	Ry (in)
1.613	1.528

Sx (-) (in^3)	Max (-) (in-k)
0.589	20.120

Effective Properties y-y		
Iy (in^4)	Sy (in^3)	May (in-k)
1.484	0.671	22.89

Distortional	Shear	
May (in-k)	Vax (lb)	Vay (lb)
23.17	3600	7200

...g allowable loads listed. ...es)

IAPMO UNIFORM ER 0313

...ble Sear Load(lbs)

Horizontal
485

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Print and Download

Once you've generated your PDF, you're free to print and download the file.

Congratulations on using the SCAFCO Submittal Builder. We wish your project great success...

SCAFCO Steel Framing

With 60 years of manufacturing experience, SCAFCO has gained a worldwide reputation for high-quality products, great customer service, and strong corporate ethics. Our comprehensive team of engineers, administrative and office staff, and craftsmen, focus on providing customer driven products. We currently have manufacturing facilities in Spokane, WA and Stockton, CA. We also feature press brakes and shears capable of making on demand, custom parts up to 24′ in length.

Engineering Services

For assistance with ordering or questions on your project, utilize SCAFCO Engineering Services:

Call: 509-789-8669
Email: Technical@SCAFCO.com

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