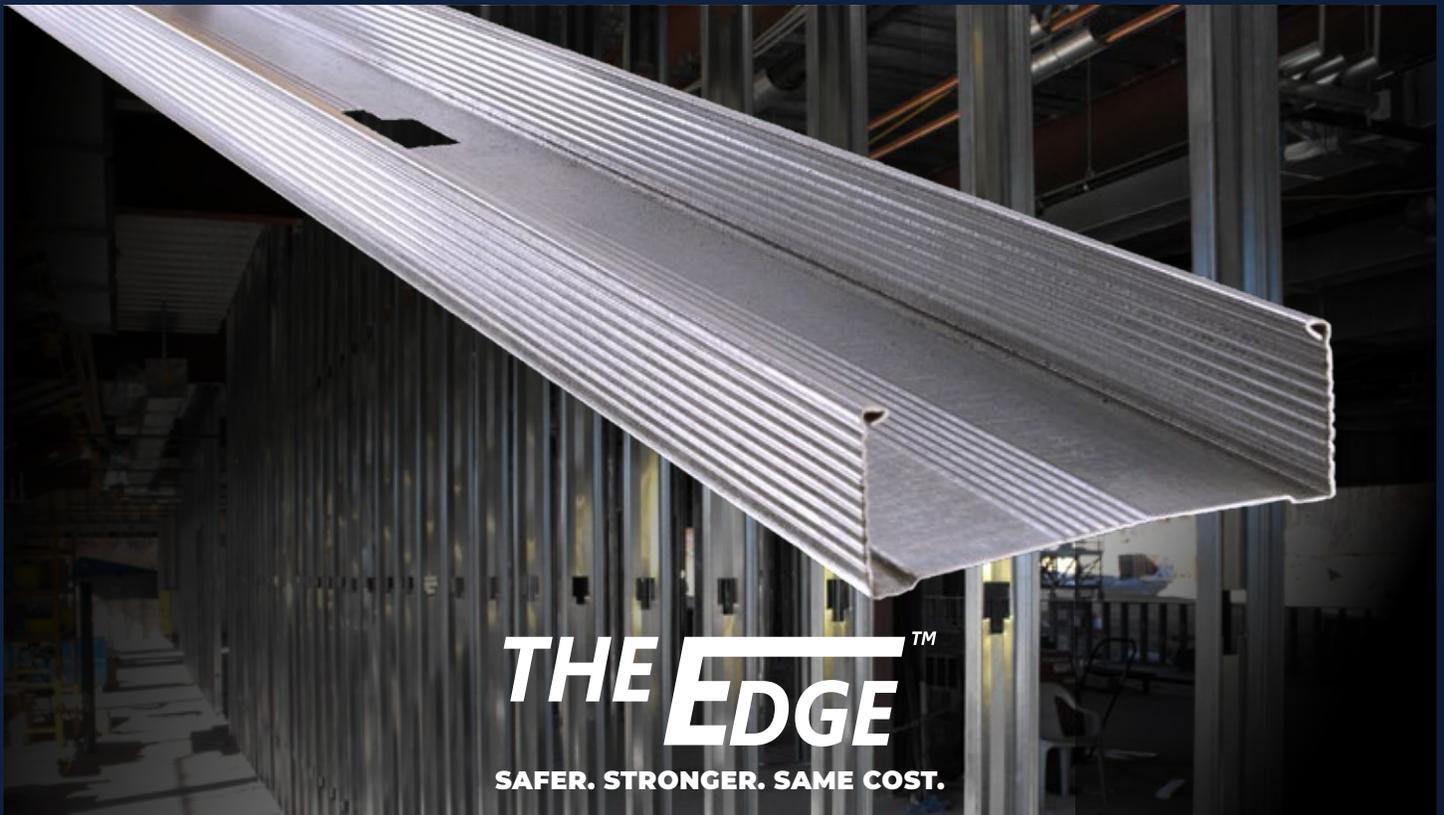


THE EDGE™ STUDS AND TRACK ARE LISTED IN UL DESIGNS U419, V438, V489, V498, W433, W440



THE EDGE™
STEEL FRAMING SYSTEM
INTERIOR FRAMING & ACCESSORIES

PRODUCT CATALOG



The EDGE™ – The Safest & Strongest Choice in Steel Framing.

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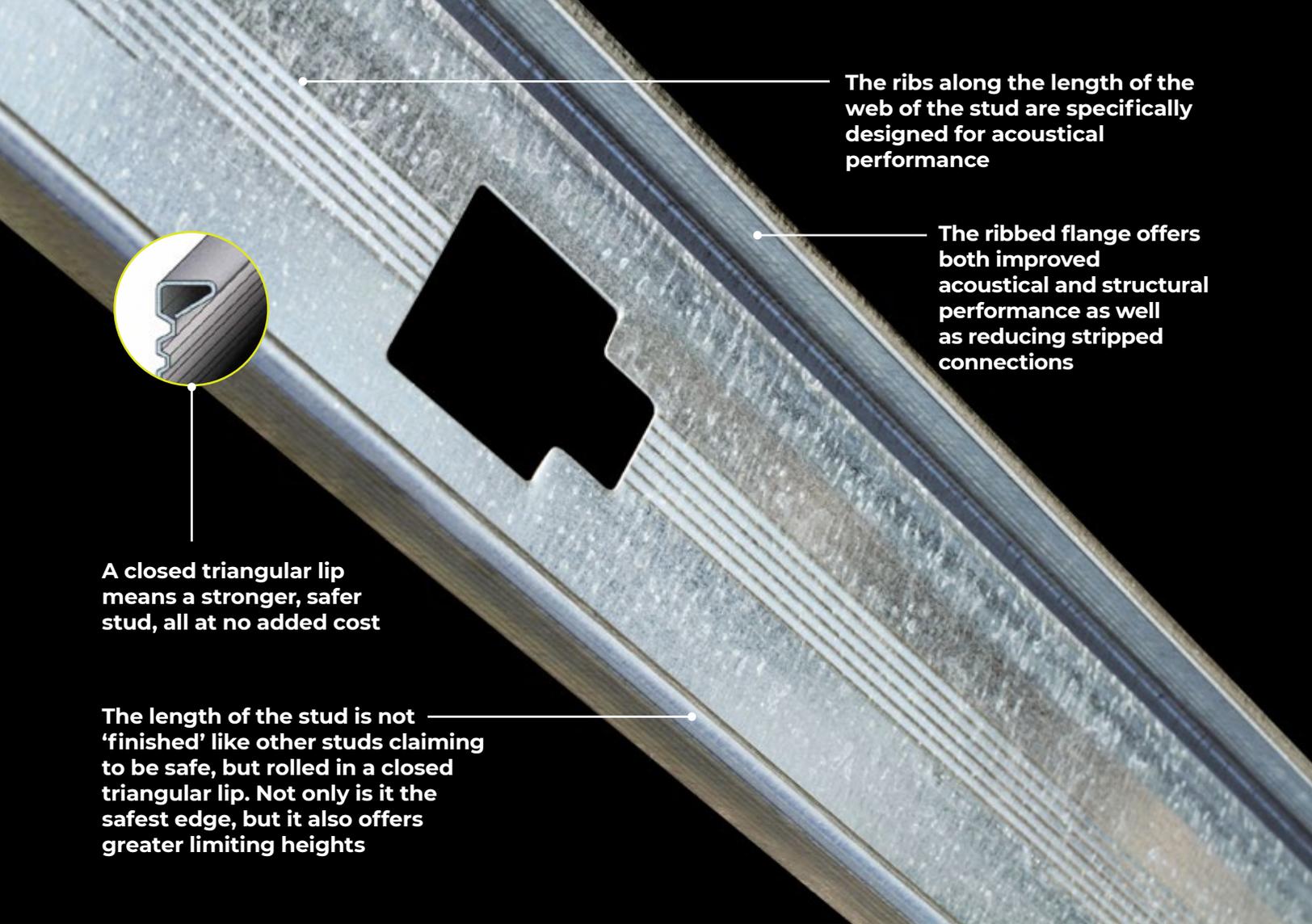
MISSISSIPPI FACILITY
53 W L Runnels Ind Dr
Hattiesburg, MS 39401
P: 601-584-7550

MADE IN THE USA 



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AMERICAN OWNED & OPERATED SINCE 1973



The ribs along the length of the web of the stud are specifically designed for acoustical performance

The ribbed flange offers both improved acoustical and structural performance as well as reducing stripped connections



A closed triangular lip means a stronger, safer stud, all at no added cost

The length of the stud is not 'finished' like other studs claiming to be safe, but rolled in a closed triangular lip. Not only is it the safest edge, but it also offers greater limiting heights

SAFETY SHOULDN'T JUST BE A COLOR ON A JOBSITE...

THE EDGE™

SAFER. STRONGER. SAME COST.

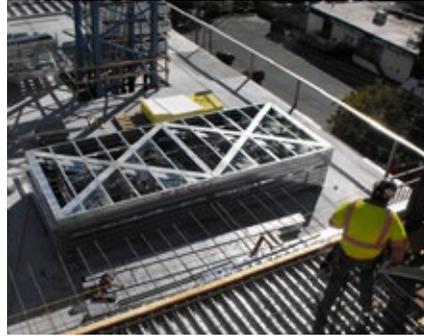
The EDGE™ by Super Stud Building Products is the safest drywall system on the market. Its rolled triangular lip eliminates sharp edges along the length of the stud. Even our EDGE™ track incorporates a hemmed lip for added safety.

By design, The EDGE™ also delivers increased wall heights and improved acoustical performance.

Compare for yourself and see why The EDGE™ increases productivity and reduces time and cost. Not every stud is created equal, let Super Stud give you The EDGE™.

A HISTORY OF EXCELLENCE

Since 1973, Super Stud Building Products, Inc. has been a proud manufacturer of the industry's most diverse offering of steel framing components and accessories for use in the construction of commercial, institutional and residential structures.



COMPREHENSIVE OFFERINGS THAT HELP YOU ACHIEVE YOUR PROJECT GOALS

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We have a serious commitment to providing quality products and services as we continue to expand our capabilities with new production facilities and manufacturing expertise.

Our in-house construction specialists are ready to assist in engineering your project from design to final delivery and installation of our products. Our mission is to provide quality service, timely deliveries, and competitive pricing. Our goal is customer satisfaction from start to finish on every project, regardless of size or scope.

Super Stud is constantly striving to create solutions for the cold formed steel framing industry, such as our patented EDGE™ studs and other product innovations. We offer a wide variety of standard sections and complementary accessories to satisfy the requirements of any light structural application. Our Product Development Staff subjects each new product to both rigorous in-house and field-testing procedures to assure their load carrying capacities and compatibility for intended use.

Super Stud interior drywall, exterior curtain wall, and load-bearing products are third-party inspected by Home Innovation Research Labs to assure conformance to American Iron and Steel Institute (AISI) steel specifications, building code standards, and proper product usage.

*Home Innovation is recognized as a Global Certifications Agency
www.homeinnovation.com*

THE EDGE™

The most framer-friendly, cost-effective drywall steel framing system in the industry.

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The EDGE™ is offered in four thicknesses to accommodate any drywall framing need:

1. **The EDGE™ 25 (EDS125-15)** has a design thickness of 15 mils (0.0153") and is an ideal replacement for conventional 25 gauge framing (0.0188").
2. **The EDGE™ Performance 20 (EDS125-19)** drywall stud has a design thickness of 19 mils (0.0188") and is manufactured from 55 KSI steel. The EDGE™ Performance 20 Drywall Stud System has been independently tested for compliance with AISI standard S220-15: Standard for Cold-Formed Steel Framing – Nonstructural Members. AISI S220 was developed specifically for state-of-the-art nonstructural drywall products – like The EDGE™ Performance 20 System – and S220-15 has been approved for adoption into the 2018 International Building Code (IBC). Should screw pullout values be a consideration, it is suggested that the designer refer to The EDGE™ screw pullout values on page 13.
3. **The EDGE™ Super 20 (EDS125-23)** drywall stud utilizes a design thickness of 23 mils (0.0232") and is manufactured from minimum 40 KSI material. The EDGE™ Super 20 Drywall Stud System has been independently tested for compliance with AISI standard S220-15: Standard for Cold-Formed Steel Framing – Nonstructural Members. AISI S220 was developed specifically for state-of-the-art nonstructural drywall products – like The EDGE™ Super 20 System – and S220-15 has been approved for adoption into the 2018 IBC.
4. **Now available: The EDGE™ 30 Mil**

Features & Benefits of The EDGE™

Strength by Design

A patented triangular lip provides greater flexural strength and stiffness. The result: greater wall heights, easier to screw into and a measurably safer product. The EDGE™ is a truly unique design.

Increased Productivity

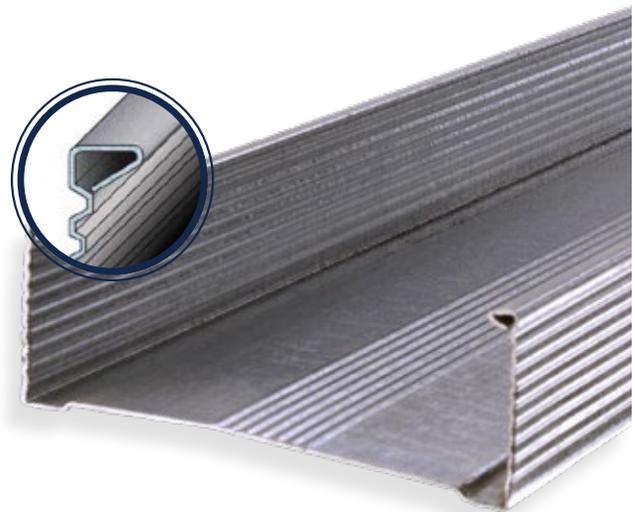
Safer, stronger, fewer stripped screws.

Saves on Worker's Comp claims and downtime.

The Rolled Edge Steel Safety System makes The EDGE™ the safest & strongest choice, all at no added cost!

UL® Classified

Tested and approved for use in up to 4-hour rated wall assemblies. The EDGE™ steel framing system is compliant with ASTM standards C645, C754, A653, and A1003.



PHYSICAL PROPERTIES

Stud						Track				
Model No.	Member Designation	Design Thickness (Inches)	Minimum Thickness (Inches)	Yield	Coating	Member Designation	Design Thickness (Inches)	Minimum Thickness (Inches)	Yield	Coating
The EDGE™ 25	EDS125-15	0.0153	0.0145	50 KSI	G40 _{2,3}	T125-15	0.0153	0.0145	40 KSI	G40 _{2,3}
The EDGE™ Performance 20	EDS125-19	0.0188	0.0179	55 KSI	G40 _{2,3}	T125-19	0.0188	0.0179	40 KSI	G40 _{2,3}
The EDGE™ Super 20	EDS25-23	0.0232	0.0220	40 KSI	G40 _{2,3}	T125-23	0.0232	0.022	40 KSI	G40 _{2,3}
DW 30 ₁	S125-30	0.0312	0.0296	33 KSI	G40 _{2,3}	T125-30	0.0312	0.0296	33 KSI	G40 _{2,3}
DW 33 ₁	S125-33	0.0346	0.0329	33 KSI	G40 _{2,3}	T125-33	0.0346	0.0329	33 KSI	G40 _{2,3}
Stud web sizes: 1-5/8", 2-1/2", 3-5/8", 4", 6" Knockout sizes: 1-5/8" stud = 3/4" x 1-1/2" 2-1/2", 3-5/8", 4", 6" = 1-1/2" x 2-1/2"					Flange: 1-1/4" Return lip: 0.350"	Track web sizes: 1- 5/8", 2-1/2", 3-5/8", 4", 6" Flange: 1 – 1/4"				

Notes:

- 1 - DW 30 and DW 33 are traditional C-shaped studs
- 2 - Or equivalent per ASTM C645
- 3 - G60 available by special order

All thicknesses referenced herein are bare metal thicknesses, and do not include galvanization or any other metallic or non-metallic coatings.

SECTION PROPERTIES - THE EDGE™ STUD

Section	Design Thickness (Inches)	Gross Section Properties						Effective Section Properties			Torsional Properties				
		Area (in ²)	Weight lbs/ft	I _x (in ⁴)	r _x (in)	I _y (in ⁴)	r _y (in)	I _{xe} (in ⁴)	S _{xe} (in ³)	M _a (in-lbs)	X _o (in)	J _x 10 ⁵ (in ⁴)	C _w (in ⁶)	R _o (in)	Beta
1-5/8"	0.0153	0.0682	0.240	0.0324	0.690	0.0142	0.4560	0.0284	0.0285	683	-1.050	0.512	0.0082	1.33	0.377
	0.0188	0.0826	0.249	0.0385	0.683	0.0165	0.4471	0.0366	0.0376	1238	-1.028	0.974	0.0092	1.31	0.384
	0.0232	0.1003	0.364	0.0480	0.682	0.0208	0.4496	0.0467	0.0516	1236	-1.024	0.185	0.0114	1.31	0.389
2-1/2"	0.0153	0.0813	0.285	0.0851	1.023	0.0162	0.4470	0.0730	0.0483	1156	-0.910	0.610	0.0203	1.44	0.601
	0.0188	0.0991	0.350	0.1017	1.013	0.019	0.4373	0.0974	0.0636	2093	-0.893	1.167	0.0231	1.42	0.605
	0.0232	0.1236	0.434	0.1271	1.014	0.0239	0.4396	0.1203	0.0867	2076	-0.891	2.218	0.0289	1.41	0.601
3-5/8"	0.0153 ₁	0.0982	0.344	0.1992	1.424	0.018	0.4280	0.1717	0.0758	1815	-0.789	0.736	0.0460	1.68	0.779
	0.0188	0.1202	0.422	0.2397	1.412	0.0211	0.4189	0.2278	0.1001	3297	-0.771	1.416	0.0529	1.66	0.784
	0.0232	0.1497	0.523	0.2994	1.414	0.0266	0.4210	0.2867	0.1397	3347	-0.770	2.686	0.0662	1.66	0.785
4"	0.0153 ₂	0.1038	0.363	0.2505	1.553	0.0185	0.4220	0.2144	0.0847	2028	-0.756	0.779	0.0572	1.77	0.818
	0.0188 ₁	0.1273	0.446	0.3019	1.540	0.0217	0.4125	0.2849	0.1119	3685	-0.739	1.500	0.0660	1.76	0.824
	0.0232	0.1584	0.553	0.3770	1.543	0.0272	0.4147	0.3600	0.1567	3754	-0.738	2.842	0.0827	1.76	0.824
6"	0.0153 ₂	0.1338	0.467	0.6571	2.216	0.0203	0.3900	0.5416	0.1365	3270	-0.623	1.004	0.1429	2.33	0.929
	0.0188 ₂	0.1649	0.560	0.7970	2.199	0.0238	0.3802	0.7083	0.1803	5937	-0.607	1.943	0.1658	2.31	0.931
	0.0232 ₂	0.0248	0.711	0.9943	2.203	0.03	0.3824	0.9265	0.2557	6124	-0.608	3.674	0.2079	2.32	0.931

Notes:

- Section properties were determined in accordance with AISI North American Specification for the Design of Cold-Formed Steel Members, 2007 edition.
- Calculated effective moment of inertia (I_{xe}) is based on serviceability determination
- Effective properties and moment capacity did not incorporate stress increase as a result of cold work of forming.
- Allowable bending moment is based on a fully braced section about its major axis.
- 1 - Web-depth to thickness ratio exceeds 200. Web stiffeners are required at all bearing locations.
- 2 - Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate concentrated load locations.

LIMITING WALL HEIGHTS OVERVIEW

The EDGE™ Steel Framing System has multiple applications, most notably for use in walls, ceilings and soffits. The majority of assemblies can be designed based upon the tables within this brochure; however, some projects will require the assistance of a professional.

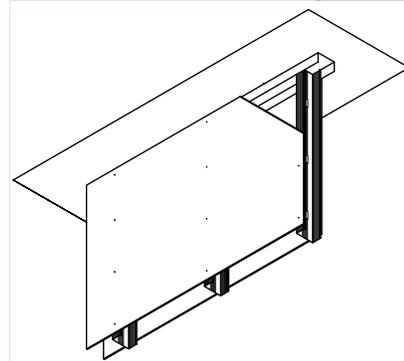
Use the images on this page to find the required assembly and follow the instructions to choose the appropriate EDGE™ assembly.

Technical Engineering Services are available through Super Stud visit our website or call 800-477-7883.

Composite Wall Assemblies

Composite walls are assemblies where drywall sheathing is attached to both stud flanges at the full height of the wall as depicted at right. The EDGE™ has been independently tested for compliance with the new AISI standard S220-15 which was specifically developed for state-of-the-art nonstructural drywall products and approved for adoption into the 2018 International Building Code (IBC).

Values shown in the table on page 7 were obtained using 1/2" generic gypsum board. Using 5/8" board would yield greater values. Complete limiting height tables are also available at www.BuySuperStud.com.

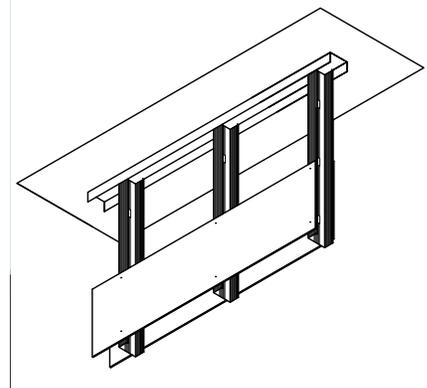
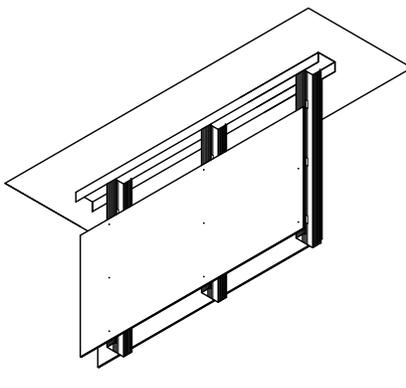
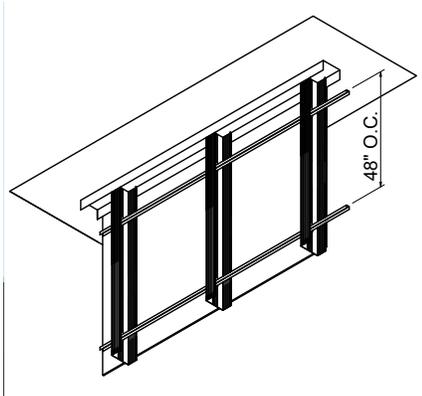


Note: When gypsum board or other wall sheathing is attached full-height to both flanges of steel stud interior partitions, as represented by the diagram above, no cold-rolled channel or other lateral bracing is required.

Non-Composite Wall Assemblies

Non-composite wall assemblies do not have the drywall sheathing attached to the full height of the wall, such as when studs continue above a grid ceiling. These wall assemblies are common in many structures. Limiting height data for non-composite assemblies can be found

on pages 8 and 9, or at www.BuySuperStud.com. While these tables cover most conditions, there may be situations or conditions where a professional should be consulted.



Alternative Framing Conditions and Applications

The EDGE™ can also be utilized in framing conditions other than standard wall assemblies, such as ceiling runners, soffits, and chase or furred walls. Special attention should be paid to unusual ceiling loads or to whether these non-standard walls are composite or non-composite assemblies.

Call Super Stud's Technical Engineerings at 800-477-7883 for information and assistance with these design conditions.

Note to the Design Professional: Our Composite Tables were tested to AC86-10. In addition, we have added the L/480 column for your review to illustrate the increased stiffness your wall will achieve using The EDGE™.

ALLOWABLE COMPOSITE LIMITING HEIGHTS

THE EDGE™ DRYWALL SYSTEM-COMPOSITE LIMITING HEIGHTS - 1/2" GYPSUM WALLBOARD (FT. - IN.)

Depth	EDGE Product	Design Thickness (Mils)	Member Designation	Spacing (in.)	5 psf				7.5 psf				10 psf				15 psf			
					L/120	L/240	L/360	L/480 ¹	L/120	L/240	L/360	L/480 ¹	L/120	L/240	L/360	L/480 ¹	L/120	L/240	L/360	L/480 ¹
					ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in
1-5/8"	EDGE 25	15	162EDS125-15	12	13-4 f	11-1	9-9	8-10	10-11 f	9-8	8-6	7-9	9-5 f	8-10	7-9					
				16	11-7 f	10-1	8-10	8-0	9-5 f	8-10	7-9		8-2 f	8-0						
				24	9-5 f	8-10	7-9													
	EDGE 20P	19	162EDS125-19	12	14-4	11-11	10-5	9-5	12-6	10-5	9-1	8-2	11-2 f	9-5	8-2					
				16	13-0	10-9	9-5	8-6	11-2 f	9-5	8-2		9-8 f	8-6						
				24	11-2 f	9-5	8-2		9-1 f	8-2			7-10 f							
	EDGE 20S	23	162EDS125-23	12	14-11	12-4	10-10	9-11	13-1	10-9	9-5	8-7	11-10	9-9	8-6	7-9	8-6 f			
				16	13-7	11-2	9-10	8-11	11-10	9-9	8-6	7-9	10-9	8-10	7-9					
				24	11-10	9-9	8-6	7-9	10-4	8-6			9-2 f							
2-1/2"	EDGE 25	15	250EDS125-15	12	16-5 f	14-1	12-4	11-1	13-5 f	12-4	10-8	9-7	11-7 f	11-2	9-7	8-8				
				16	14-2 f	12-10	11-2	10-0	11-7 f	11-2	9-7	8-8	10-0 f	10-0	8-8	7-9				
				24	11-7 f	11-2	9-7	8-8	9-5 f	9-5 f	8-3		8-2 f	8-2 f						
	EDGE 20P	19	250EDS125-19	12	18-3	15-1	13-4	12-2	15-10 f	13-2	11-7	10-5	13-8 f	12-0	10-5	9-4	9-0 f	9-0 f	8-11	
				16	16-7	13-8	12-1	10-11	13-8 f	12-0	10-5	9-4	11-10 f	10-9	9-4	8-5	7-10 f	7-10 f	7-10 f	
				24	13-8 f	12-0	10-5	9-4	11-2 f	10-3	8-11	8-1	9-8 f	9-2	8-1					
	EDGE 20S	23	250EDS125-23	12	18-5	15-2	13-4	12-1	16-1	13-3	11-7	10-6	14-7	12-0	10-6	9-6	10-7 f	10-5	9-1	
				16	16-9	13-9	12-1	10-11	14-7	12-0	10-6	9-6	13-3	10-10	9-6	8-7	9-2 f	9-2 f	8-3	
				24	14-7	12-0	10-6	9-6	12-9	10-5	9-1	8-3	11-4 f	9-5	8-3					
3-5/8"	EDGE 25	15	362EDS125-15	12	18-8 f	17-10	15-8	14-4	15-3 f	15-3 f	13-8	12-6	13-2 f	13-2 f	12-5	11-3	8-8 f	8-8 f		
				16	16-2 f	16-2 f	14-3	13-0	13-2 f	13-2 f	12-5	11-3	11-5 f	11-5 f	11-1	9-11				
				24	13-2 f	13-2 f	12-5	11-3	10-9 f	10-9 f	10-6	9-5	9-4 f	9-4 f	9-3	8-4				
	EDGE 20P	19	362EDS125-19	12	22-7 f	19-3	17-0	15-5	18-6 f	16-10	14-10	13-6	16-0 f	15-4	13-6	12-3	10-6 f	10-6 f		
				16	19-7 f	17-6	15-5	14-0	16-0 f	15-4	13-6	12-3	13-10 f	13-10 f	12-3	10-11	9-0s	9-0s		
				24	16-0 f	15-5	13-6	12-3	13-1 f	13-1 f	11-9	10-4	11-4 f	11-4 f	10-4	9-2				
	EDGE 20S	23	362EDS125-23	12	23-5	19-4	17-2	15-8	20-6	16-11	15-0	13-8	18-3 f	15-4	13-7	12-5	12-0 f	12-0 f		
				16	21-3	17-7	15-7	14-3	18-3 f	15-4	13-7	12-5	15-10 f	13-11	12-4	11-2	10-5 f	10-5 f		
				24	18-3 f	15-4	13-7	12-5	14-11 f	13-5	11-11	10-7	12-11 f	12-2	10-6	9-5	8-6 f	8-6 f		
4"	EDGE 25	15	400EDS125-15	12	21-4 f	19-4	17-0	15-11	17-5 f	17-0	14-11	13-11	15-1 f	15-1 f	13-7	12-8				
				16	18-6 f	17-8	15-7	14-6	15-1 f	15-1 f	13-7	12-8	13-1 f	13-1 f	12-4					
				24	15-1 f	15-1 f	13-7	12-8	12-4 f	12-4 f	11-10	11-1								
	EDGE 20P	19	400EDS125-19	12	25-3 f	21-2	18-7	17-3	20-8 f	18-7	16-4	15-2	17-10 f	17-0	14-10	13-9	11-9 f	11-9 f		
				16	21-11 f	19-4	17-0	15-9	17-10 f	17-0	14-10	13-9	15-6 f	15-6 f	13-6	12-6				
				24	17-10 f	17-0	14-10	13-9	14-7 f	14-7 f	13-0	12-0	12-8 f	12-8 f	11-10					
	EDGE 20S	23	400EDS125-23	12	26-7	21-4	18-9	17-3	23-5	18-9	16-5	15-1	20-10 f	17-1	14-11	13-9	13-9 f	13-9 f		
				16	24-3	19-5	17-1	15-8	20-10 f	17-1	14-11	13-9	18-1 f	15-6	13-7	12-5	11-11 f	11-11 f		
				24	20-10 f	17-1	14-11	13-9	17-0 f	14-11	13-1	12-0	14-9 f	13-7	11-10					
6"	EDGE 25	15	600EDS125-15	12	25-6 f	25-6	22-4	20-5	20-10 f	20-10 f	19-6	17-10	18-0 f	18-0 f	17-9	16-2				
				16	22-1 f	22-1 f	20-4	18-6	18-0 f	18-0 f	17-9	16-2	15-7 f	15-7 f	15-7 f	14-8				
				24	18-0 f	18-0 f	17-9	16-2	14-5 f	14-5 f	14-5 f	14-1								
	EDGE 20P	19	600EDS125-19	12	30-0 f	26-11	23-6	21-8	24-6 f	23-6	20-7	18-11	21-3 f	21-3 f	18-8	17-3	14-0 f	14-0 f		
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				24	21-3 f	21-3 f	18-8	17-3	17-4 f	17-4 f	16-4	15-0	15-0 f	15-0 f	14-9	13-7				
	EDGE 20S	23	600EDS125-23	12	31-2 f	27-9	24-4	22-6	25-6 f	24-2	21-3	19-8	22-1 f	22-0	19-4	17-10	14-2 f	14-2 f		
				16	27-0 f	25-2	22-1	20-5	22-1 f	22-0	19-4	17-10	19-1 f	19-1 f	17-7	16-2	12-3 f	12-3 f		
				24	22-1 f	22-0	19-4	17-10	18-0 f	18-0 f	16-11	15-7	15-7 f	15-7 f	15-4	14-1				

Allowable composite limiting heights are calculated using International Code Council Evaluation Service (ICC-ES) Acceptance Criteria AC86 (ICC-ES AC86-2010).

Minimum safety factor for strength = 1.508 for 5 to 10 pounds per square foot (psf), and 2.327 for 15 psf.

The gypsum board must be applied full height to each stud flange and installed using minimum No. 6 type S drywall screws spaced a maximum of 12-inches on-center to the framing members in accordance with ASTM C754-2018 and IBC 2018.

No fasteners are required for attaching the stud to the track.

The stud end bearing must be a minimum of 1 inch.

Minimum material yield strength equal to 50KSI for EDGE 25, 55KSI for EDGE 20P, 40KSI for EDGE 20S.

NOTE Superscript 1: Composite Limiting Heights for L/480 deflection criteria are presented for comparison only and to illustrate the exceptional flexural stiffness of The EDGE™ design. Calculations based on L/360 values

'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.

's' adjacent to the height value indicates that shear/end reaction controls the allowable wall height.

No "f" or "s" adjacent to the height value indicates deflection controls the allowable wall height.

ALLOWABLE NON-COMPOSITE LIMITING HEIGHTS FULLY BRACED

THE EDGE™ DRYWALL SYSTEM NON-COMPOSITE LIMITING HEIGHTS

Depth	EDGE Product	Design Thickness (Mils)	Member Designation	Spacing (in.)	5 (psf)			7.5 (psf)			10 (psf)			15 (psf)		
					L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
					ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in
1-5/8"	EDGE 25	15	162EDS125-15	12	9-1	7-3	6-4	8-0	6-4	5-6	7-3	5-9	5-0	6-2 f	5-0	4-5
				16	8-3	6-7	5-9	7-3	5-9	5-0	6-5 f	5-3	4-7	5-3 f	4-7	4-0
				24	7-3	5-9	5-0	6-2 f	5-0	4-5	5-3 f	4-7	4-0	4-4 c	4-0	3-6
	EDGE 20P	19	162EDS125-19	12	9-11	7-11	6-11	8-8	6-11	6-0	7-11	6-3	5-6	6-11	5-6	4-9
				16	9-0	7-2	6-3	7-11	6-3	5-6	7-2	5-8	5-0	6-1 c	5-0	4-4
				24	7-11	6-3	5-6	6-11	5-6	4-9	6-1 c	5-0	4-4	5-0 c	4-4	3-10
	EDGE 20S	23	162EDS125-23	12	10-6	8-6	7-5	9-5	7-5	6-6	8-6	6-9	5-11	7-5 f	5-11	5-6
				16	9-9	7-9	6-9	8-6	6-9	5-11	7-10	6-2	5-5	6-9 f	5-5	4-8
				24	8-6	6-9	5-11	7-5	5-11	5-2	6-9	5-5	4-8	5-9 f	4-8	4-1
2-1/2"	EDGE 25	15	250EDS125-15	12	12-8	10-0	8-9	11-0	8-9	7-8	9-8 f	8-0	7-0	7-10 f	7-0	6-1
				16	11-6	9-1	8-0	9-8 f	8-0	7-0	8-4 f	7-3	6-4	5-11 c	5-11 c	5-6
				24	9-8 f	8-0	7-0	7-10 f	7-0	6-1	5-11 c	5-11 c	5-6	4-0 c	4-0 c	4-0 c
	EDGE 20P	19	250EDS125-19	12	13-9	10-11	9-7	12-0	9-7	8-4	10-11	8-8	7-7	9-2 f	7-7	6-8
				16	12-6	9-11	8-8	10-11	8-8	7-7	9-8 f	7-11	6-11	7-11 f	6-11	6-0
				24	10-11	8-8	7-7	9-2	7-7	6-8	7-11 f	6-11	6-0	6-0 c	6-0	5-3
	EDGE 20S	23	250EDS125-23	12	14-10	11-10	10-4	13-0	10-4	9-0	11-10	9-4	8-2	10-4	8-2	7-2
				16	13-6	10-9	9-4	11-10	9-4	8-2	10-9	8-6	7-5	9-1 f	7-5	6-6
				24	11-10	9-4	8-2	10-4	8-2	7-2	9-1 f	7-5	6-6	7-5 f	6-6	5-8
3-5/8"	EDGE 25	15	362EDS125-15	12	16-8	13-3	11-7	13-10 f	11-7	10-1	10-11 c	10-6	9-2	7-4 c	7-4 c	7-4 c
				16	14-9 f	12-0	10-6	10-11 c	10-6	9-2	8-2 c	8-2 c	8-2 c	5-6 c	5-6 c	5-6 c
				24	10-11 c	10-6	9-2	7-4 c	7-4 c	7-4 c	5-6 c	5-6 c	5-6 c	3-8 c	3-8 c	3-8 c
	EDGE 20P	19	362EDS125-19	12	18-3	14-6	12-8	15-11	12-8	11-1	14-1 f	11-6	10-1	11-3 c	10-1	8-9
				16	16-7	13-2	11-6	14-1 f	11-6	10-1	12-2 f	10-5	9-2	8-5 c	8-5 c	8-0
				24	14-1 f	11-6	10-1	11-3 c	10-1	8-9	8-5 c	8-5 c	8-0	5-8 c	5-8 c	5-8 c
	EDGE 20S	23	362EDS125-23	12	19-9	15-8	13-9	17-3	13-9	12-0	15-8	12-6	10-11	13-4 f	10-11	9-6
				16	18-0	14-3	12-6	15-8	12-6	10-11	14-2 f	11-4	9-11	11-7 f	9-11	8-8
				24	15-8	12-6	10-11	13-4 f	10-11	9-6	12-6	9-11	8-8	8-5 c	8-5 c	7-7
4"	EDGE 25	15	400EDS125-15	12	17-11	14-3	12-5	14-3 c	12-5	10-11	10-8 c	10-8 c	9-11	7-2 c	7-2 c	7-2 c
				16	15-7 f	12-11	11-4	10-8 c	10-8 c	9-11	8-0 c	8-0 c	8-0 c	5-4 c	5-4 c	5-4 c
				24	10-8 c	10-8 c	9-11	7-2 c	7-2 c	7-2 c	5-4 c	5-4 c	5-4 c	3-7 c	3-7 c	3-7 c
	EDGE 20P	19	400EDS125-19	12	19-8	15-7	13-8	17-2	13-8	11-11	14-11 f	12-5	10-10	11-0 c	10-10	9-6
				16	17-10	14-2	12-5	14-11 f	12-5	10-10	12-5 c	11-3	9-10	8-3 c	8-3 c	8-3 c
				24	14-11 f	12-5	10-10	11-0 c	10-10	9-6	8-3 c	8-3 c	8-3 c	5-6 c	5-6 c	5-6 c
	EDGE 20S	23	400EDS125-23	12	21-4	16-11	14-10	18-8	14-10	12-11	16-11	13-5	11-9	14-1 f	11-9	10-3
				16	19-5	15-5	13-5	16-11	13-5	11-9	15-0 f	12-3	10-8	12-3 f	10-8	9-4
				24	16-11	13-5	11-9	14-1 f	11-9	10-3	12-3	10-8	9-4	8-3 c	8-3 c	8-2
6"	EDGE 25	15	600EDS125-15	12	18-10 c	18-10 c	16-9	12-7 c	12-7 c	12-7 c	9-5 c	9-5 c	9-5 c	6-4 c	6-4 c	6-4 c
				16	14-2 c	14-2 c	14-2 c	9-5 c	9-5 c	9-5 c	7-1 c	7-1 c	7-1 c	4-9 c	4-9 c	4-9 c
				24	9-5 c	9-5 c	9-5 c	6-4 c	6-4 c	6-4 c	4-9 c	4-9 c	4-9 c	3-2 c	3-2 c	3-2 c
	EDGE 20P	19	600EDS125-19	12	26-7	21-2	18-6	19-11 c	18-6	16-2	14-11 c	14-11 c	14-8	9-11 c	9-11 c	9-11 c
				16	22-5 c	19-2	16-9	14-11 c	14-11 c	14-8	11-2 c	11-2 c	11-2 c	7-6 c	7-6 c	7-6 c
				24	14-11 c	16-9	14-8	9-11 c	9-11 c	9-11 c	7-6 c	7-6 c	7-6 c	5-0 c	5-0 c	5-0 c
	EDGE 20S	23	600EDS125-23	12	29-0	23-0	20-1	25-4	20-1	17-7	22-0 f	18-3	16-0	16-10 c	16-0	13-11
				16	26-4	20-11	18-3	22-0 f	18-3	16-0	18-11 c	16-7	14-6	12-8 c	12-8 c	12-8 c
				24	22-0 f	18-3	16-0	16-10 c	16-0	13-11	12-7 c	12-7 c	12-7 c	8-5 c	8-5 c	8-5 c

NOTE:

- Heights are based on the AISI North American Specification for the Design of Cold-Formed Steel Structural Members, 2016 edition.
- Heights are limited by moment, deflection, shear and web crippling (assuming 1" end bearing).
- Minimum material yield strength equal to 50KSI for EDGE 25, 55KSI for EDGE 20P, 40KSI for EDGE 20S
- "f" denotes moment capacity controlled the limiting height
- "c" denotes that web crippling controlled the limiting heights. If a bearing stiffener is used a higher limiting height is possible.
- No "f" or "c" adjacent to the height value indicates deflection controls the allowable wall height.

ALLOWABLE NON-COMPOSITE LIMITING HEIGHTS BRACED AT 48" O.C.

THE EDGE™ DRYWALL SYSTEM NON-COMPOSITE LIMITING HEIGHTS

Depth	EDGE Product	Design Thickness (Mils)	Member Designation	Spacing (in.)	5 (psf)			7.5 (psf)			10 (psf)			15 (psf)		
					L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
					ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in
1-5/8"	EDGE 25	15	162EDS125-15	12	9-1 f	7-4	6-5	7-5 f	6-5	5-7	6-5 f	5-10	5-1	5-3 f	5-1	4-5
				16	7-11 f	6-8	5-10	6-5 f	5-10	5-1	5-7 f	5-4	4-8	4-7 f	4-8	4-1
				24	6-5 f	5-10	5-1	5-3 f	5-1	4-5	4-7 f	4-7 f	4-1	3-9 f	3-9 f	3-7
	EDGE 20P	19	162EDS125-19	12	10-1	8-0	7-0	8-7 f	7-0	6-1	7-6 f	6-4	5-7	6-1 f	5-7	4-10
				16	9-2 f	7-3	6-4	7-6 f	6-4	5-7	6-6 f	5-9	5-1	5-3 f	5-1	4-5
				24	7-6 f	6-4	5-7	6-1 f	5-7	4-10	5-3 f	5-1	4-5	4-4 f	4-5	3-10
	EDGE 20S	23	162EDS125-23	12	10-10	8-7	7-6	9-6	7-6	6-7	8-7 f	6-10	6-0	7-0 f	6-0	5-3
				16	9-10	7-10	6-10	8-7 f	6-10	6-0	7-5 f	6-2	5-5	6-1 f	5-5	4-9
				24	8-7 f	6-10	6-0	7-0 f	6-0	5-3	6-1 f	5-5	4-7	5-0 f	4-9	4-2
2-1/2"	EDGE 25	15	250EDS125-15	12	11-11 f	10-2	8-10	9-9 f	8-10	7-9	8-5 f	8-1	7-0	6-11 f	6-11 f	6-2
				16	10-4 f	9-3	8-1	8-5 f	8-1	7-0	7-4 f	7-4	6-5	6-0 f	6-0 f	5-7
				24	10-4 f	8-1	7-0	6-11 f	6-11 f	6-2	5-11 c	5-11 c	5-7	4-0 c	4-0 c	4-0 c
	EDGE 20P	19	250EDS125-19	12	13-10 f	11-1	9-8	11-4 f	9-8	8-5	9-9 f	8-9	7-8	8-0 f	7-8	6-8
				16	12-0 f	10-0	8-9	9-9 f	8-9	7-8	8-6 f	8-0	7-0	6-11 f	6-11 f	6-1
				24	9-9 f	8-9	7-8	8-0 f	7-8	6-8	6-11 f	6-11 f	6-1	5-8 f	5-8 f	5-4
	EDGE 20S	23	250EDS125-23	12	14-11	11-10	10-5	12-10 f	10-5	9-1	11-2 f	9-5	8-3	9-1 f	8-3	7-2
				16	13-7	10-10	9-5	11-2 f	9-5	8-3	9-8 f	8-7	7-6	7-11 f	7-6	6-7
				24	11-2 f	9-5	8-3	9-1 f	8-3	7-2	7-11 f	7-6	6-7	6-5 f	6-5 f	5-9
3-5/8"	EDGE 25	15	362EDS125-15	12	14-8 f	13-5	11-9	12-0 f	11-9	10-3	10-5 f	10-5 f	9-4	7-4 c	7-4 c	7-4 c
				16	12-9 f	12-3	10-8	10-5 f	10-5 f	9-4	8-2 c	8-2 c	8-2 c	5-6 c	5-6 c	5-6 c
				24	10-5 f	10-5 f	9-4	7-4 c	7-4 c	7-4 c	5-6 c	5-6 c	5-6 c	3-8 c	3-8 c	3-8 c
	EDGE 20P	19	362EDS125-19	12	17-2 f	14-8	12-10	14-1 f	12-10	11-3	12-2 f	11-8	10-2	9-11 f	9-11 f	8-11
				16	14-11 f	13-4	11-8	12-2 f	11-8	10-2	10-6 f	10-6 f	9-3	8-5 c	8-5 c	8-1
				24	12-2 f	11-8	10-2	9-11 f	9-11 f	8-11	8-5 c	8-5 c	8-1	5-8 c	5-8 c	5-8 c
	EDGE 20S	23	362EDS125-23	12	19-10 f	15-10	13-10	16-2 f	13-10	12-1	14-0 f	12-6	10-11	11-5 f	10-11	9-7
				16	17-2 f	14-4	12-6	14-0 f	12-6	10-11	12-2 f	11-5	10-0	9-11 f	9-11 f	8-8
				24	14-0 f	12-6	10-11	11-5 f	10-11	9-7	9-11 f	9-11 f	8-8	8-1 f	8-1 f	7-7
4"	EDGE 25	15	400EDS125-15	12	15-6 f	14-6	12-8	12-8 f	12-8 f	11-1	10-8 c	10-8 c	10-1	7-2 c	7-2 c	7-2 c
				16	13-5 f	13-2	11-6	10-8 c	10-8 c	10-1	8-0 c	8-0 c	8-0 c	5-4 c	5-4 c	5-4 c
				24	10-8 c	10-8 c	10-0	7-2 c	7-2 c	7-2 c	5-4 c	5-4 c	5-4 c	3-7 c	3-7 c	3-7 c
	EDGE 20P	19	400EDS125-19	12	18-2 f	15-10	13-10	14-10 f	13-10	12-1	12-10 f	12-7	11-0	10-6 f	10-6 f	9-7
				16	15-9 f	14-5	12-7	12-10 f	12-7	10-12	11-1 f	11-1 f	10-0	8-3 c	8-3 c	8-3 c
				24	12-10 f	12-7	11-0	10-6 f	10-6 f	9-7	8-3 c	8-3 c	8-3 c	5-6 c	5-6 c	5-6 c
	EDGE 20S	23	400EDS125-23	12	20-11 f	17-1	14-11	17-1 f	14-11	13-0	14-10 f	13-6	11-10	12-1 f	11-10	10-4
				16	18-1 f	15-6	13-7	14-10 f	13-6	11-10	12-10 f	12-4	10-9	10-6 f	10-6 f	9-5
				24	14-10 f	13-6	11-10	12-1 f	11-10	10-4	10-6 f	10-6 f	9-5	8-3 c	8-3 c	8-3
6"	EDGE 25	15	600EDS125-15	12	18-10 c	18-10 c	17-2	12-7 c	12-7 c	12-7 c	9-5 c	9-5 c	9-5 c	6-4 c	6-4 c	6-4 c
				16	14-2 c	14-2 c	14-2 c	9-5 c	9-5 c	9-5 c	7-1 c	7-1 c	7-1 c	4-9 c	4-9 c	4-9 c
				24	9-5 c	9-5 c	9-5 c	6-4 c	6-4 c	6-4 c	4-9 c	4-9 c	4-9 c	3-2 c	3-2 c	3-2 c
	EDGE 20P	19	600EDS125-19	12	22-4 f	21-7	18-10	18-3 f	18-3 f	16-6	14-11 c	14-11 c	14-11 c	9-11 c	9-11 c	9-11 c
				16	19-4 f	19-4 f	17-2	14-11 c	14-11 c	14-11 c	11-2 c	11-2 c	11-2 c	7-6 c	7-6 c	7-6 c
				24	14-11 c	14-11 c	14-11 c	9-11 c	9-11 c	9-11 c	7-6 c	7-6 c	7-6 c	5-0 c	5-0 c	5-0 c
	EDGE 20S	23	600EDS125-23	12	25-10 f	23-4	20-4	21-1 f	20-4	17-9	18-4 f	18-3 f	16-2	14-11 f	14-11 f	14-1
				16	22-5 f	21-2	18-6	18-4 f	18-4 f	16-2	15-10 f	15-10 f	14-8	12-8 c	12-8 c	12-8 c
				24	18-4 f	18-4 f	16-2	14-11 f	14-11 f	14-1	12-7 c	12-7 c	12-7 c	8-5 c	8-5 c	8-5 c

NOTE:

- Heights are based on the AISI North American Specification for the Design of Cold-Formed Steel Structural Members, 2016 edition.
- Heights are limited by moment, deflection, shear and web crippling (assuming 1" end bearing).
- Minimum material yield strength equal to 50KSI for EDGE 25, 55KSI for EDGE 20P, 40KSI for EDGE 20S
- Bridging required at 48" O.C. or less
- "f" denotes moment capacity controlled the limiting height
- "c" denotes that web crippling controlled the limiting heights. If a bearing stiffener is used a higher limiting height is possible.
- No "f" or "c" adjacent to the height value indicates deflection controls the allowable wall height.

ASTM C754 – 18 30 MIL COMPOSITE 5/8" BOARD

Depth	Member Designation	Spacing (in.)	5 (psf)			7.5 (psf)			10 (psf)		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
			ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in
1-5/8"	162S125-30	12	14-11	11-10	10-4	13-1	10-4	8-11	11-10	9-4	7-11
		16	13-7	10-9	9-4	11-10	9-4	7-11	10-9	8-3	n/a
		24	11-10	9-4	7-11	10-4	7-11	n/a	9-4	n/a	n/a
2-1/2"	250S125-30	12	18-5	15-10	14-1	16-1	13-10	12-4	14-7	12-7	11-2
		16	16-9	14-5	12-10	14-7	12-7	11-2	13-3	11-5	10-2
		24	14-7	12-7	11-2	12-9	11-0	9-9	11-7	10-0	8-8
3-1/2"	350S125-30	12	22-6	17-11	15-8	19-8	15-8	13-8	17-11	14-2	12-4
		16	20-6	16-3	14-2	17-11	14-2	12-4	16-3	12-11	11-1
		24	17-11	14-2	12-4	15-8	12-4	10-7	13-9f	11-1	n/a
3-5/8"	362S125-30	12	22-10	18-3	16-4	19-11	16-0	14-3	18-1	14-6	12-11
		16	20-8	16-7	14-10	18-1	14-6	12-11	16-5	13-2	11-6
		24	18-1	14-6	12-11	15-9f	12-8	10-11	13-8f	11-4	n/a
4"	400S125-30	12	24-6	19-5	17-0	21-5	17-0	14-10	19-5	15-5	13-6
		16	22-3	17-8	15-5	19-5	15-5	13-6	17-5f	14-0	12-2
		24	19-5	15-5	13-6	16-5f	13-6	11-7	14-2f	12-2	10-4
5-1/2"	550S125-30	12	30-5	24-10	22-0	27-0	22-0	19-5	24-10	20-2	17-10
		16	28-0	22-9	20-2	24-10f	20-2	17-10	21-7f	18-6	16-2
		24	24-10	20-2	17-10	20-4f	17-10	15-7	17-7f	16-2	n/a
6"	600S125-30	12	34-2	27-1	23-8	28-11f	23-8	20-8	25-0f	21-6	18-9
		16	30-8f	24-7	21-6	25-0f	21-6	18-9	21-8f	19-6	17-1
		24	25-0f	21-6	18-9	20-5f	18-9	16-5	17-8f	17-1	n/a

Notes to Table:

1. Allowable composite heights are derived from tests conducted in accordance with ICC-ES AC86-2012.
2. Table heights also applicable for two layers of gypsum board.
3. The gypsum board (one or two layers) must be installed vertically full height to each stud flange using minimum No. 6 Type S drywall screws spaced a maximum of 12 in. on-center for studs at 24 in. spacing, and 16 in. on-center for studs at 16 in. and 12 in. spacing. Gypsum board (one or two layers) must be attached to each top and bottom track flange using minimum No. 6 drywall screws at maximum 16 in. on-center.
4. Application of gypsum board as required in accordance with ASTM C840.
5. No fasteners are required for attaching the stud to the track except as required by subsection 5.3.2.1.
6. Stud end bearing must be a minimum of 1 in.
7. Minimum material yield strength equals 33 ksi (230 MPa).
8. 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.

Data tables have been reproduced with permission from ASTM International for Super Stud Building Products, Inc.



ASTM C754 – 18 33 MIL COMPOSITE 5/8” BOARD

Depth	Member Designation	Spacing (in.)	5 (psf)			7.5 (psf)			10 (psf)		
			L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
			ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in	ft - in
2-1/2”	250S125-33	12	19-8	15-8	13-8	17-3	13-8	11-11	15-8	12-5	10-10
		16	17-11	14-3	12-5	15-8	12-5	10-10	14-3	11-3	9-10
		24	15-8	12-5	10-10	13-8	10-10	9-5	12-4f	9-10	8-4
3-1/2”	350S125-33	12	23-0	18-3	15-11	20-1	15-11	13-11	18-3	14-6	12-8
		16	20-11	16-7	14-6	18-3	14-6	12-8	16-7	13-2	11-4
		24	18-3	14-6	12-8	15-11	12-8	10-10	14-4f	11-4	9-8
3-5/8”	362S125-33	12	24-2	19-2	16-9	21-1	16-9	14-8	19-2	15-3	13-4
		16	21-1	17-5	15-3	19-2	15-3	13-4	17-5	13-10	11-11
		24	19-2	15-3	13-4	16-8f	13-4	11-4	14-5f	11-11	10-1
4”	400S125-33	12	25-3	20-1	17-6	22-1	17-6	15-4	20-1	15-11	13-11
		16	22-11	18-3	15-11	20-1	15-11	13-11	18-3	15-4	12-7
		24	20-1	15-11	13-11	17-3f	13-11	12-0	15-0f	12-7	10-9
6”	600S125-33	12	35-4	28-1	24-6	30-10	24-6	21-5	27-10f	22-3	19-5
		16	32-1f	25-6	22-3	27-10f	22-3	19-5	24-1f	20-3	17-8
		24	27-10	22-3	19-5	22-9f	19-5	16-11	19-8f	17-8	n/a

Notes to Table:

- Allowable composite heights are derived from tests conducted in accordance with ICC-ES AC86-2012.
- Table heights also applicable for two layers of gypsum board.
- The gypsum board (one or two layers) must be installed vertically full height to each stud flange using minimum No. 6 Type S drywall screws spaced a maximum of 12 in. on-center for studs at 24 in. spacing, and 16 in. on-center for studs at 16 in. and 12 in. spacing. Gypsum board (one or two layers) must be attached to each top and bottom track flange using minimum No. 6 drywall screws at maximum 16 in. (406 mm) on-center
- Application of gypsum board as required in accordance with ASTM C840.
- No fasteners are required for attaching the stud to the track except as required by subsection 5.3.2.1 of ASTM C754-18.
- Stud end bearing must be a minimum of 1 in.
- Minimum material yield strength equals 33 ksi (230 MPa).
- 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.

Data tables have been reproduced with permission from ASTM International for Super Stud Building Products, Inc.



THE EDGE™ FRAMING SYSTEM FIRE RATING & SOUND ASSEMBLIES

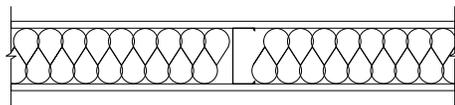
INTERIOR NON-BEARING WALL RATINGS

Certified by Western Electro-Acoustic Laboratories

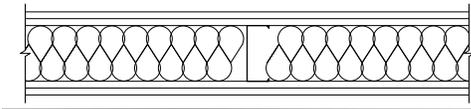


Hour Rating	Wall Depth	Stud Depth	STC Rating	STC RSIC-V&1	Layers of Gypsum	Insulation R-Value	Sound Test	Stud Spacing	The EDGE™ (Mils)*
1	3 1/2"	2 1/2"	47		1 layer/1 layer of 1/2"	1 1/2" SAFB	SA-831001	24"	19
1	3 1/2"	2 1/2"	48 Est.		1 layer/1 layer of 1/2"	1 1/2" SAFB	Estimate	24"	15
1	4"	2 1/2"	50	RC-1	1 layer/1 layer of 1/2"	1 1/2" SAFB	RAL TL87-156	24"	19
1	4"	2 1/2"	50		1 layer/2 layer of 1/2"	1 1/2" SAFB	SA-800504	24"	19
1	4 7/8"	3 5/8"	49		1 layer/1 layer of 5/8"	R-13	WEAL TL10-588	16"	15
1	4 7/8"	3 5/8"	49		1 layer/1 layer of 5/8"	3" SAFB	SA-870717	24"	19
1	4 7/8"	3 5/8"	51		1 layer/1 layer of 5/8"	R-13	WEAL TL10-591	24"	15
1	5 3/8"	3 5/8"	54	RC-1	1 layer/1 layer of 5/8"	3" SAFB	RAL-TL83-216	24"	23
1	5 3/8"	3 5/8"	54	RC-1	1 layer/1 layer of 5/8"	3" SAFB	RAL-TL83-216	24"	19
1	5 3/8"	3 5/8"	56 Est.	RC-1	1 layer/1 layer of 5/8"	3" SAFB	Estimate	24"	15
1	5 1/2"	3 5/8"	53		1 layer/2 layer of 5/8"	R-13	WEAL TL10-587	16"	15
1	5 1/2"	3 5/8"	56		1 layer/2 layer of 5/8"	R-13	WEAL TL10-590	24"	15
1	6"	3 5/8"	53	RSIC-V®	1 layer/1 layer of 5/8"	R-19	WEAL TL07-636	24"	23
1	6"	3 5/8"	58	RC-1	1 layer/2 layer of 5/8"	3" SAFB	RAL-TL83-215	24"	23
1	6 1/2"	3 5/8"	58	RSIC-1®	1 layer/1 layer of 5/8"	R-19	RAL-TL87-156	24"	23
1	6 1/2"	3 5/8"	58	RSIC-1®	1 layer/1 layer of 5/8"	R-19	RAL-TL05-013	24"	23
1	6 5/8"	3 5/8"	59	RSIC-V®	1 layer/2 layer of 5/8"	R-19	WEAL TL07-641	24"	23
1	7 1/8"	3 5/8"	61	RSIC-1®	1 layer/2 layer of 5/8"	R-19	RAL TL05-012	24"	23
2	3 5/8"	1 5/8"	51 Est.		2 layer/2 layer of 1/2"	1 1/2" SAFB	Estimate	24"	15
2	4 1/8"	1 5/8"	54 Est.		2 layer/2 layer of 5/8"	1 1/2" SAFB	Estimate	24"	15
2	5"	2 1/2"	51		2 layer/2 layer of 5/8"	2 1/2" SAFB	GA-WP-1548	24"	19
2	5"	2 1/2"	53 Est.		2 layer/2 layer of 5/8"	2 1/2" SAFB	Estimate	24"	15
2	6 1/8"	3 5/8"	57		2 layer/2 layer of 5/8"	R-13	WEAL TL10-586	16"	15
2	6 1/8"	3 5/8"	58		2 layer/2 layer of 5/8"	R-13	WEAL TL10-589	24"	15
2	7 1/4"	3 5/8"	64	RSIC-V®	2 layer/2 layer of 5/8"	R-19	WEAL TL07-642	24"	23
2	7 3/4"	3 5/8"	64	RSIC-1®	2 layer/2 layer of 5/8"	R-19	RAL TL05-011	24"	23
3	4 5/8"	1 5/8"	57 Est.		3 layer/3 layer of 1/2"	1 1/2" SAFB	Estimate	24"	15
3	4 5/8"	1 5/8"	59		3 layer/3 layer of 1/2"	1 1/2" SAFB	SA-830112	24"	19
3	5 3/8"	1 5/8"	59 Est.		3 layer/3 layer of 5/8"	1 1/2" SAFB	Estimate	24"	15
3	7 7/8"	3 5/8"	63	RC-1	3 layer/3 layer of 1/2"	3" SAFB	RAL TL87-152	24"	15
3	7 7/8"	3 5/8"	64 Est.	RC-1	3 layer/3 layer of 1/2"	3" SAFB	Estimate	24"	15
4	5 5/8"	1 5/8"	62		4 layer/4 layer of 1/2"	1 1/2" SAFB	SA-830113	24"	19
4	5 5/8"	1 5/8"	62 Est.		4 layer/4 layer of 1/2"	1 1/2" SAFB	Estimate	24"	15
4	6 5/8"	1 5/8"	63 Est.		4 layer/4 layer of 5/8"	1 1/2" SAFB	Estimate	24"	15

Superior STC results achieved by The EDGE™ 25 drywall stud:



1-hour STC 51



2-hour STC 58

- Tested results achieved using NO RC-1 channel, saving time and cost, while producing superior results.
- Decibel rules of thumb for The EDGE™ studs (15 mil) - adding resilient channels adds 2-3 STC points for 1 & 1 construction, 3-4 STC points for 2 & 1 construction, and 5 STC points for 2 & 2 construction.
- 1 & 1 construction means 1 layer of gypsum board on each face of the wall full height.
- 2 & 2 construction means two layers each side. Note that when it is used, resilient channel need only be applied on one side of the wall.

Notes:

- The EDGE™ 25 (15 mil)
- The EDGE™ Performance 20 (19 mil)
- The EDGE™ Super 20 (23 mil)

The EDGE™ studs and tracks are listed in Underwriters Laboratories (UL) designs: U419, V438, V489, V498, W433, and W440.

Acoustical Performance - NVLAP Accredited for ASTM E90-09, E413-04, E2235-04 and ISO Certified Re-printed values with the consent of PAC-Intl. [RSIC-V® and RSIC-1®] Estimates are based upon physical properties computer modeling and comparative analysis of actual test results.

* Design Thickness

ALLOWABLE SCREW DESIGN VALUES [LBS]

Member designation	#6 Screw Size (0.135" Dia.) – 5/8" Type X Gypsum					
	ASTM C645					
	Design Thickness (Mils)	Yield Fy (KSI)	Penetration	Shear	Pullover	Pull-out
The EDGE™ 25	15	50 KSI	Pass	-	-	-
The EDGE™ Performance 20	19	55 KSI	Pass	72	138	43
The EDGE™ Super 20	23	40 KSI	Pass	102	178	56
DW 30	31	33 KSI	Pass	129	129	55
DW 33	35	33 KSI	Pass	151	143	61

1 – Reference Documents: ASTM C645-09; AISI S100-07; AISI S905-08; ASTM A1003-10; ASTM A370-07

2 – The EDGE™ "Super20" was tested and approved by US Gypsum for use with their Fiberock & Durock panels

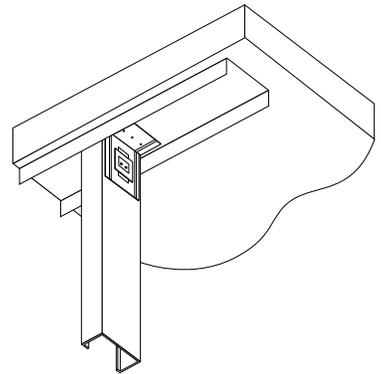
HEAD-OF-WALL DEFLECTION SOLUTIONS

Interior Top Track Clip

Product Application:

The Super Stud Interior Top Track Clip, ITTC450, has 150 to 300-pound lateral capacity, and a vertical range of movement of 1-1/2 inches. That means the roof or floor above can move 3/4" up and 3/4" down without binding or adding additional load to the framing below.

The ITTC 450 can supplement a standard deep-leg or slotted track at concentrated load locations such as jambs and support for interior millwork. Patented GlidePlate™ technology allows any standard screw to work without binding or squeaks.



Allowable Vertical Design Load - Model No. ITTC 450 (for 3 5/8" to 6" studs)		
Stud Design Thickness (Inches)	Stud Yield Strength (KSI)	Design Load (Pounds)
The EDGE™ 25 (0.015)	50	--
The EDGE™ Performance 20 (0.019)	55	180
The EDGE™ Super 20 (0.023)	40	220
DW 33 (0.033)	33	300

Slotted Deflection Track (Also Known as Slotted Slip Track)



Product Application:

Slotted Deflection Track is a CFS top track manufactured to prevent cracking of finishes applied to interior partition framing resulting from deflection of structure above. This is achieved by fastening studs to top track through provided slots, allowing fastener vertical movement of up to 1 1/2".

Slotted Deflection Track is available with galvanized coating in accordance with ASTM A653 & A1003: G40 for thicknesses up to 30 mil; G60 (standard) or (G90) for 33 mil and heavier. Requires one screw in each flange of each stud to attain full design capacity.

Web Depths: 2 -1/2" to 16"

Slots: length = 1-1/2"; width = 1/4"; spacing = 1" o. c.

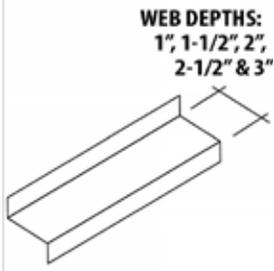
Leg Lengths: 2-1/2" standard; up to 3-1/2" available

Steel Thickness: 18 to 118 mil (25 to 10 gauge)

UL Classified in the following head-of-wall designs:

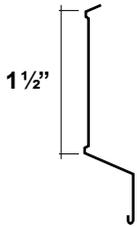
- | | |
|-----------|-----------|
| HW-D-0498 | HW-D-0513 |
| HW-D-0502 | HW-D-0543 |
| HW-D-0503 | HW-D-0597 |
| HW-D-0505 | HW-D-0632 |
| HW-D-0506 | HW-D-0633 |
| HW-D-0512 | |

DRYWALL ACCESSORIES

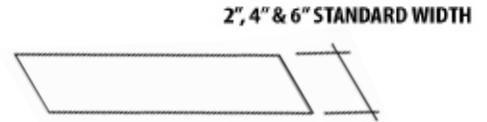


Z Furring
Steel Thickness: 18 to 118 mil (25 to 10 gauge)
Standard Lengths: 8, 9 & 10 Ft.
 Z Furring facilitates the attachment of gypsum drywall to concrete or masonry walls. The depth of the furring varies to allow for the installation of insulation between the furring.

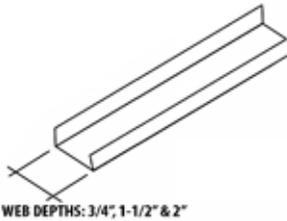
Backing Plate / Flat Stock
Steel Thickness: 18 to 118 mil (25 to 10 gauge)
Standard Width: 2", 3", 4", 6", 8", 10", 12"
Standard Length: 10 Ft.
 Backing plate is a general multipurpose flat stock product that is used to support millwork, shelves, cabinetry, fixtures or handrails for attachment to metal stud walls. Flat stock does not replace and should not be used as tension strapping or cross bracing.



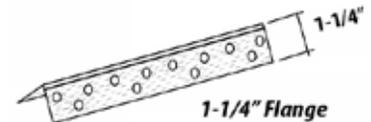
Resilient Channel
Steel Thickness: 18 mil (RC1 & RC2); 23 mil (RC Super)
Standard Lengths: 10 & 12 Ft. Resilient channel provides a 1/2" offset between gypsum board and wall studs or ceiling rafters: enhancing acoustical performance in wall and floor-ceiling assemblies. RC1 and RC2 have 1 1/4" attachment flanges, while RC Super has a 1 1/2" flange.



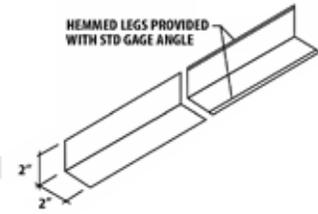
Flat Strap
Steel Thickness: 18 to 118 mil (25 to 10 gauge)
Standard Width: 2", 4" & 6"
(Custom widths available upon request)
Standard Length: 10 Ft.
 Flat Strap has a variety of uses that include wall bridging and backer plates to facilitate the installation of handrails and fixtures.



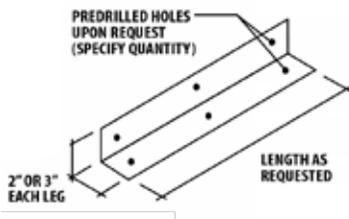
Cold Rolled Channel
Steel Thickness: 54 mil (16 ga.)
Standard Lengths: 10 & 16 Ft.
 Cold Rolled Channel has a number of uses ranging from cross furring and hangers in both plaster and gypsum wallboard ceilings to mechanical bridging for stud walls.



Super Bead®
 High Quality Super Bead® is used in conventional gypsum wallboard installations. All of our corner beads provide a straight, smooth finished surface for outside corners of gypsum wallboard assemblies while it protects the corner from abuse and wear after installations.

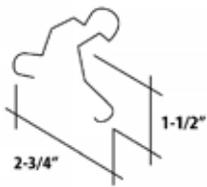


Utility Angle
Standard Steel Thickness: 18 to 118 mil (25 to 10 gauge). Hemmed edge on 18 mil only.
Standard Length: 10 Ft.
 Utility Angle is installed at corner conditions to provide continuous support for board products.

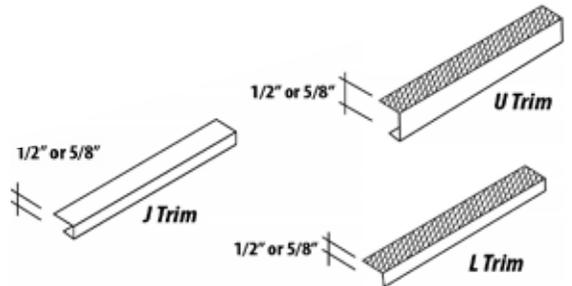


Clip Angles
Steel Thickness: 18 to 118 mil (25 to 10 gauge).
 Clip Angles serve a variety of functions in the construction of a steel framing system. They may be used to make attachments between framing members or to transfer gravity and lateral loads from a stud to the primary frame.

Metal Trim Accessories – J, U & L Trim
Standard Length: 8, 9 & 10 Ft.
 Metal trim is used to protect free edges of gypsum wallboards ranging in thickness from 1/2" to 5/8".



Furring Channel Clips
 Furring Channel Clips are used to attach metal furring channel to 1-1/2" cold rolled channel in the construction of ceiling grids.



J Trim	U Trim	L Trim
No. 401 – 1/2"	No. 201A – 1/2"	No. 201B – 1/2"
No. 402 – 5/8"	No. 202A – 5/8"	No. 202B – 5/8"

SUPER STUD BUILDING PRODUCTS – LEED® INFORMATION

Super Stud supports the programs of multiple green building rating systems, including Leadership in Energy and Environmental Design (LEED), Green Globes, Living Building Challenge, the WELL Building Standard, and others. Most of our raw steel materials are brought in by rail directly to our building, for faster service and lower energy consumption. We do slitting on-site, have detailed waste-reduction and scrap recovery programs, and ALL unused and scrap steel is either reused or recycled. All Super Stud steel products have a minimum of 25% recycled content and are 100% recyclable.

LEED® V4 & LEED® V4.1

For Leadership in Energy and Environmental Design (LEED) Version 4: Super Stud has participated in the development of our industry-wide [Environmental Product Declaration \(EPD\)](#). Using steel-based products from Super Stud can contribute Materials and Resources (MR) credits in multiple LEED categories and systems.

- Up to one point is available in each of the LEED V4 MR credit under Building Product Disclosure and Optimization:
- Environmental Product Declarations: submit the Super Stud industry-wide EPD for all Super Stud steel products. The scope of this EPD is “cradle to gate,” and the report conforms with International Organization for Standardization (ISO) standards ISO 14025, 14040, ISO 14044, and ISO 21930.
- Sourcing of Raw Materials: Super Stud tracks all of our steel materials from the coil source. We have worked with our material suppliers, and have secured traceability commitments from most of them. Before starting on a project seeking LEED certification, check with Super Stud to ensure that coil sourcing is from one of our traceable sources. This can provide up to one LEED V4 point.
- Material Ingredients: Super Stud can provide detailed information on all materials that go into our steel. This includes not only the base steel chemical composition but also coatings and treatments such as oil and chemicals for corrosion protection. Although we have not yet developed a Health Product Declaration (HPD), Super Stud does make material ingredient information available for all customers to make intelligent material choices.
- Up to two points are available in the LEED V4 MR credit under Construction and Demolition Waste Management. Since all Super Stud steel products are 100% recyclable, any steel construction wastes can and should be diverted from the waste stream and sold to a recycler. Fees from scrap sales not only add to the bottom line but also close the loop on material recycling and waste and energy reduction.
- LEED V4 innovation points are available in several areas. Examples include reducing the amount of steel required on a project by employing the EDGE drywall framing, which can reduce the amount of steel used by 30%, or by increasing stud spacing to 24” on center, reducing both steel and fastener weight.

Additional credits may be available from using safety programs like the prevention through design (PTD), where safety-enhancing products like the EDGE are used to make buildings safer for construction teams, maintenance personnel, and occupants. For more information on this PTD pilot credit, visit our website.

LEED 2009

With the sunset of LEED 2009 in 2015, most projects now need only comply with the LEED V4 requirements and points system as stated above. However, Super Stud can still provide recycled content documentation and local sourcing information for projects permitted under the 2009 version of LEED.

Living Building Challenge

The base steel and galvanized coating on all Super Stud metal products comply with all of the Living Building Challenge requirements. Super Stud is working with suppliers to provide acceptable alternatives to the chem-treat used on top of the zinc coating on some of our products. The current chemical treatment that most of our suppliers provide is not LBC compliant.

Green Globes

Green Globes rates buildings on a 1,000 point scale in 7 categories. Steel Framing from Super Stud can qualify users for points in the categories of Energy, Indoor Environment, Resources, Emissions, and Project/Environmental Management. Green Globes requires onsite verification by a Green Globes Assessor, to verify self-reported claims, allowing projects to qualify for one to four globes.

Company-Wide Environmental Stewardship

Super Stud is a longstanding member of the United States Green Building Council (USGBC) and employs a full-time LEED® Accredited Professional (A.P.) on staff.

Our primary manufacturing facility has in-house recycling of both manufacturing and office waste. We have waste reduction programs for both manufacturing and office supplies, and we work with some of our key customers to ensure the stewardship extends upstream to the materials we source.

We encourage reduced-emissions commuting by being close to transit facilities and by having bicycle storage and shower facilities for non-motorized commuters. We have facilities for and encourage rail delivery of steel rather than trucked-in product for reduced transportation emissions, and we maintain our own fleet of trucks for efficient delivery of our finished products. Incentive programs are in place to encourage employees and customers to conserve energy and natural resources: at home, at work, and in our communities.



Super Stud Building Products, Inc. is an active member of the U.S. Green Building Council with LEED® Accredited Professionals on staff. Super Stud is committed to supplying quality products and continually looking for new ways to develop greener building products and sustainable business practices.



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