



Expanding Your Solutions



Mid-Rise Construction

CEMCO's Steel Framed and Metal Lath Products
for Mid-Rise and Multi-Family Construction

Table of Contents

Mid-Rise Construction Introduction	3
ASTM/Standards Declaration	3

Floor/Ceilings

Floor/Ceilings Introduction	4
-----------------------------------	---

Steel Framed Floor System with Extra Large Punchouts

Sure-Span®	5–8
------------------	-----

Interior Partition Wall Framing

Interior Partition Wall Framing Introduction	9
--	---

Steel Framing: Interior/Non-Load Bearing for Partition Walls

ViperStud®	10–14
ProX Header®	15

Stairwells/Horizontal Plenums

Stairwells/HVAC Chase Walls & Plenums Introduction	16
--	----

Shaft Walls/Stairwells & Area Separation Wall

CT Stud/J-Runner	17
H-Stud/C-Runner	18

Drywall Finishing Trims

Drywall Finishing Trims Section Introduction	19
--	----

Drywall Accessories

Cornerbeads (Straight & Bullnose)	20
#900 Veneer Plaster Mini-Bead	21
Corner Angles	22
Flat Straps	23
FAS-093X Fire Rated Control Joint	24
HOTROD® XL	25
Fire Bead®	26
Sound Gasket®	27

Channels

Channels Section Introduction	28
-------------------------------------	----

Sound Channels

RC1 Resilient Channel	29
NEW! RC1-XD (Xtra-Duty) Resilient Channel	30

Framing Channels

7/8" Furring Channel, 1-1/2" Furring Channel	31
Z-Furring Channel	32
U-Channels	33

Metal Lath & Plastering Accessories

Metal Lath & Plastering Accessories Introduction	34
3/8" Hi-Rib Lath	35
Self-Furring Dimpled Lath	36
Self-Furring Grooved Lath	37
Casing Beads & Screeds	38–40
J-Metals	41
Control Joints	42–43
Wire Corners	44
Water Management Products	45–46

Composite Wall & Floor Sheathing Products

Composite Wall & Floor Sheathing Products Introduction	47
Sure-Board® Series 200 (for Cold-Formed Steel Framing)	48
Sure-Board® Series 200W (for Wood Framing, 1/8" MDF Sheathing)	49
Sure-Board® Series 200S/F (for Floor & Flat-Roof)	50

Introduction

CEMCO's Commitment to Mid-Rise and Multi-Family Projects

As a leader in the cold-formed steel framing industry for over four decades, CEMCO's products have been widely used in commercial, institutional, educational, and industrial projects across the United States. Now, CEMCO introduces many of those same products for Mid-Rise and Multi-Family projects too.

CEMCO manufactures all of our products in the USA in each of our four state-of-the-art facilities located in City of Industry, CA; Pittsburg, CA; Denver, CO; and Ft. Worth, TX. CEMCO is one of the few manufacturers to produce all of our products from high quality mill-certified hot-dipped galvanized steel. Our products are manufactured to the stringent tolerances established by the American Iron and Steel Institute, and the most recent IBC, IRC, and CBC Building Codes.

Steel Thickness

Color Code (painted on ends)	Mil Thickness	Design Thickness (in.) ¹	Minimum Thickness (in.) ^{1,2}
None	18	0.0188 (.48 mm)	0.0179 (.45 mm)
White	33	0.0346 (.88 mm)	0.0329 (.84 mm)
Yellow	43	0.0451 (1.15 mm)	0.0428 (1.09 mm)
Green	54	0.0566 (1.44 mm)	0.0538 (1.37 mm)
Orange	68	0.0713 (1.81 mm)	0.0677 (1.72 mm)

1) Uncoated Steel Thickness. Thickness is for carbon sheet steel.

2) Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness with 2004 AISI supplement.

ASTM & Code Standards

- Structural Framing & Accessories Product Specification
 - ASTM C955 (Product), ASTM C1007 (Installation)
 - AISI S240
- Drywall Non load-Bearing (Nonstructural) Framing and Accessories Product Specification
 - ASTM C645 (Product), ASTM C754 (Installation)
 - AISI S220
- Metal Lath & Accessories Product Specification
 - ASTM C847 (Product), ASTM C1063 (Installation)
 - ASTM C1047 (Product), ASTM C841 (Installation)
- Steel & Coating Specification for all Product Specification
 - ASTM A924/A924M (Coating), ASTM A653/A653M
 - ASTM A1003/A1003M, ASTM B69 (Zinc Metal Lath)
- IBC: 2012, 2015, 2018, 2021
- IRC: 2015, 2018, 2021

LEED v4 for Building & Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

Recycled Content

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

California's Proposition 65 Warning

California's Safe Drinking Water and Toxic Enforcement Act of 1986 – commonly referred to as Proposition 65 ("Prop 65") (27 Cal. Code Reg. § 25600, et seq.) – has recently changed, requiring manufacturers to provide a warning based on its knowledge about the presence of one or more of the almost 900 listed chemicals which are known to the State of California to cause cancer and birth defects, or other reproductive harm. With a few exceptions, manufacturers operating in the state of California as well as those entities who distribute, import, package, and/or supply products into the State of California are now required provide a "clear and reasonable" warning to consumers that their products may contain one or more of these listed chemicals or compounds. The complete list is available at www.P65Warnings.ca.gov.

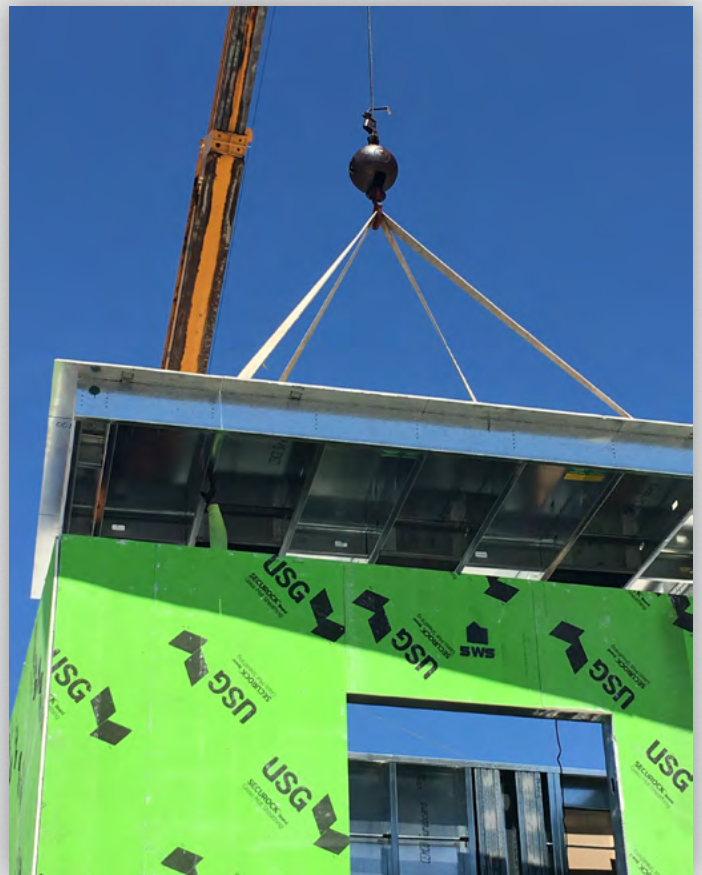
In compliance with the new requirements, we are notifying each of our customers that CEMCO products contain Nickel (metallic) and/or other chemicals listed which are known to the State of California to cause cancer and birth defects or other reproductive harm. Safety data sheets from our major suppliers are available from CEMCO on our website at www.cemcosteel.com.

Floor/Ceilings

CEMCO's Sure-Span® Steel Floor Joist System has been a popular choice for both single-family and multi-family construction projects. Manufactured in several depths such as 7-14", 9-1/4" and 11-1/4" to match up with dimensional lumber, these steel floor joists come with extra-large punch-outs to allow for electrical, HVAC, plumbing, and technology lines without compromising the structural integrity of the joists themselves common to typical wood floor joists.



Scan or click the code below to view the full Sure-Span Catalog



Product Information for SSCJ (Joists) and SSTT (Rim Track)

Sure-Span is the perfect solution for floor framing when large punch-outs are needed for HVAC, plumbing, electrical, and technology lines. Sure-Span has been used successfully in over 100 mid-rise projects.

- **Thicknesses ranging from 43 mils (18 ga.) to 97 mils (12 ga.)**

- **SSCJ Joists are available in the following configurations:**

- 7-1/4", 8", 9-1/4", & 11-1/4" depths with 1-3/4" flanges
- 10", 12", & 14" depths with 2" flanges
- First punch-out is located at 18" from one end, and 48" on-center after that

- **SSTT Rim Tracks are available in the following configurations:**

- 7-1/4", 8", 9-1/4", 10", 11-1/4", 12", & 14" web depths with 2" legs
- Pre-Spaced/Pre-Attached clips at 12", 16", or 24" on-center
- All Rim Tracks available in either 16' or 32' lengths

- **Grades of Steel**

- F_y (min. yield strength) = 33 KSI
 - > 43 mils (18 ga.)
 - ~ SSCJ Joists & SSTT Rim Tracks (7-1/4" & 8" only)
 - ~ SB Sure-Bridge clips
 - ~ Corner/Utility clips
- F_y (min. yield strength) = 50 KSI
 - > 54 mils (16 ga.)
 - ~ SSCJ Joists and SSTT Rim Tracks
 - ~ Corner/Utility clips
 - > 68 mils (14 ga.)
 - ~ SSCJ Joists and SSTT Rim Tracks
 - ~ Corner/Utility clips
 - > 97 mils (12 ga.)
 - ~ SSCJ Joists and SSTT Rim Tracks
 - ~ Corner/Utility clips

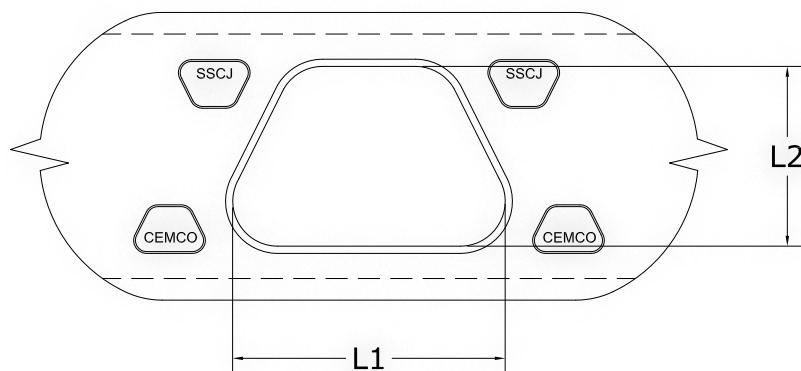


Steel Thickness

Minimum Base Metal Thickness (mil)	Design Thickness (in.) ¹	Minimum Thickness (in.) ^{1,2}	Color Code
43	0.0451" (1.15 mm)	0.0428" (1.09 mm)	Yellow
54	0.0566" (1.44 mm)	0.0538" (1.37 mm)	Green
68	0.0713" (1.81 mm)	0.0677" (1.72 mm)	Orange
97	0.1017" (2.58 mm)	0.0966" (2.45 mm)	Red

1) Uncoated steel thickness. Thickness is for carbon sheet steel.

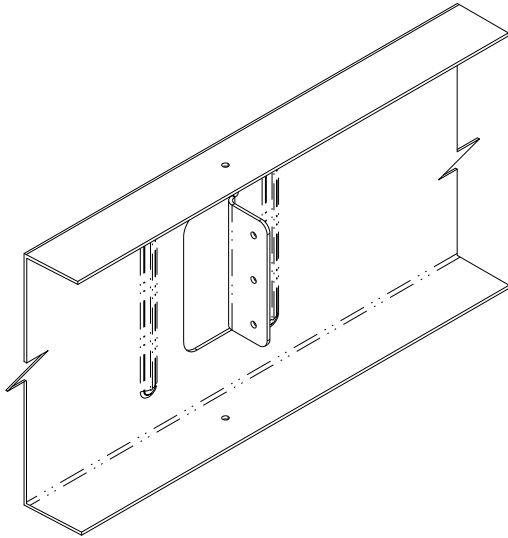
2) Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A4.3 of the AISI S100-2012.



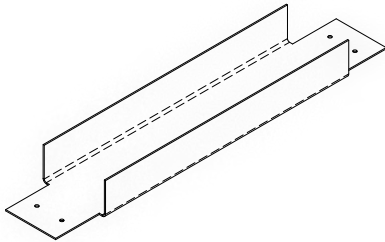
Detail of SSCJ Punch-Outs

SSCJ Punch-Out Dimensions

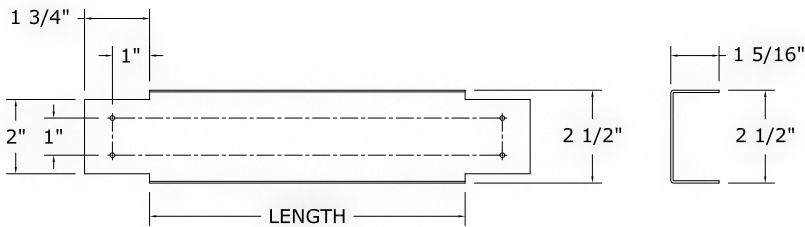
Section	L1 (in.)	L2 (in.)	Spacing Between Punch-Outs (in.)
725SSCJ175 - XX	7-5/32	4-1/4	48
800SSCJ175 - XX	7-5/32	4-1/4	48
925SSCJ175 - XX	9-15/32	6-1/4	48
1000SSCJ200 - XX	9-15/32	6-1/4	48
1125SSCJ175 - XX	9-15/32	6-1/4	48
1200SSCJ200 - XX	9-1/32	8	48
1400SSCJ200 - XX	11-1/16	10	48



Detail of SSTT



Detail of Sure Bridging



Sure-Bridging for 1-3/4" Flange Joists

Thickness (mils)	Part No.	Length	Joist Spacing
43	175SB4312	10"	12" O.C.
	175SB4316	14"	16" O.C.
	175SB4324	22"	24" O.C.

Sure-Bridging for 2" Flange Joists

Thickness (mils)	Part No.	Length	Joist Spacing
43	200SB4312	9-3/4"	12" O.C.
	200SB4316	13-3/4"	16" O.C.
	200SB4324	21-3/4"	24" O.C.

Joist Designation	20 psf Dead Load and 40 psf Live Load							
	TL Deflection = $L/240$, LL Deflection = $L/360$ Single Span • Spacing (in.) o.c.				TL Deflection = $L/240$, LL Deflection = $L/480$ Single Span • Spacing (in.) o.c.			
	12	16	19.2	24	12	16	19.2	24
725SSCJ175-43	13' 11"	12' 1"	11' 0"	9' 10"	13' 11"	12' 1"	11' 0"	9' 10"
725SSCJ175-54	17' 7"	15' 11"	15' 0"	13' 6"	15' 11"	14' 6"	13' 8"	12' 8"
725SSCJ175-68	18' 10"	17' 1"	16' 1"	14' 11"	17' 1"	15' 7"	14' 8"	13' 7"
800SSCJ175-43	15' 8"	13' 6"	12' 4"	11' 1"	15' 8"	13' 6"	12' 4"	11' 1"
800SSCJ175-54	19' 0"	17' 3"	16' 3"	15' 1"	17' 3"	15' 8"	14' 9"	13' 8"
800SSCJ175-68	20' 5"	18' 6"	17' 5"	16' 2"	18' 6"	16' 10"	15' 10"	14' 9"
925SSCJ175-54	21' 5"	19' 5"	18' 3"	16' 7"	19' 5"	17' 8"	16' 7"	15' 5"
925SSCJ175-68	23' 0"	20' 10"	19' 8"	18' 3"	20' 10"	19' 0"	17' 10"	16' 7"
925SSCJ175-97	25' 7"	23' 3"	21' 10"	20' 4"	23' 3"	21' 1"	19' 10"	18' 5"
1000SSCJ200-54	23' 3"	21' 2"	19' 9"	17' 8"	21' 2"	19' 3"	18' 1"	16' 9"
1000SSCJ200-68	25' 0"	22' 9"	21' 5"	19' 10"	22' 9"	20' 8"	19' 5"	18' 0"
1000SSCJ200-97	27' 10"	25' 4"	23' 10"	22' 1"	25' 4"	23' 0"	21' 8"	20' 1"
1125SSCJ175-54	25' 1"	22' 7"	20' 8"	18' 5"	22' 10"	20' 9"	19' 6"	18' 1"
1125SSCJ175-68	27' 0"	24' 6"	23' 1"	21' 3"	24' 6"	22' 3"	21' 0"	19' 6"
1125SSCJ175-97	30' 1"	27' 4"	25' 9"	23' 11"	27' 4"	24' 10"	23' 4"	21' 8"
1200SSCJ200-54	25' 3"	21' 10"	19' 11"	17' 10"	24' 7"	21' 10"	19' 11"	17' 10"
1200SSCJ200-68	29' 1"	26' 5"	24' 10"	22' 10"	26' 5"	24' 0"	22' 7"	20' 11"
1200SSCJ200-97	32' 5"	29' 5"	27' 8"	25' 9"	29' 5"	26' 9"	25' 2"	23' 4"
1400SSCJ200-68	33' 0"	30' 0"	27' 9"	24' 10"	30' 0"	27' 3"	25' 8"	23' 10"
1400SSCJ200-97	36' 10"	33' 6"	31' 6"	29' 3"	33' 6"	30' 5"	28' 8"	26' 7"

The technical information contained in these 'Tables' was prepared to assist professional engineers and architects in the selection of the Sure-Span® Floor Joist System and should only be used with the guidance and judgment of such architect or engineer.

Span Table Notes

- Spans are based on continuous lateral support of compression flange.
- Clip angle must be attached to the hard side of joist.
- Spans are not valid if any portion of the Sure-Span® flared hole falls over a bearing support.
- F_y is 33 ksi for 18 gauge, 50 ksi for 16, 14, and 12 gauge steel.
- The minimum bearing stud flange width is 1.625". Please consult CEMCO Design Engineer for use of smaller bearing stud flanges width.
- Recommended bridging/blocking is 8'-0" on center, maximum.
- Rim Track is to have continuous bearing support along the length (i.e. top of wall installation). Please consult CEMCO Design Engineer for all other support conditions.
- If an additional concentrated load is located at the end bearing of joist, web crippling must be checked separately.

- Leading edge of first hole shall be typically 10" minimum from inside face of bearing support.

10. TL = Total Load; LL = Live Load

- Applications involving multiple spans, cantilevers, concentrated loads, impact loading, and etc., should be investigated separately.

- Deflection and stress calculations did not consider composite action of sheathing materials.

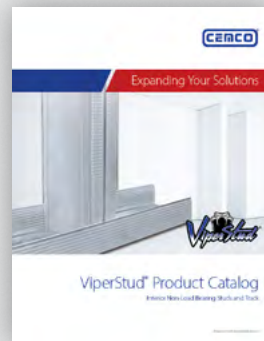
- Values in 'Tables' are subject to change contingent upon ICC ES approval.

The data contained in this CEMCO publication is intended to be informative and accurate. It should be used as a Technical Guideline only and does not replace the Judgment and Design of a qualified Architect and/or Engineer. Because physical properties vary from competitive products, information from this Publication should be used only with CEMCO Stud and Track Sections. CEMCO assumes no liability for failure resulting from the use of its drawings, computations or for failure resulting from the use of alternative materials, or improper application or installation.

Interior Partition Wall Framing



CEMCO's ViperStud® is perfect for interior partition framing due to its inherent ease of installation and multitude of fire-rated and sound-tested wall assemblies. ViperStud is unaffected by changes in humidity and provides the best option for building straight and true walls. Resistant to insects, mold, twisting, and shrinkage once the structure is completed, developers and owners alike can be confident their homes, apartments, and condominiums will resist any common defects seen in wood framed walls.



Scan or click the code
below to view the
ViperStud Product
Catalog



A High Strength, Flat Steel Drywall Framing System

The ViperStud® Drywall Framing System offers all the benefits of conventional flat steel studs with a design that performs even better. The ViperStud® drywall framing system is interchangeable with conventional framing components. Since ViperStud® is flat steel, it is easy to plumb and mark, make minor adjustments and use laser levels. This makes installation the same as conventional studs. No extra training or special fasteners are required for installation.

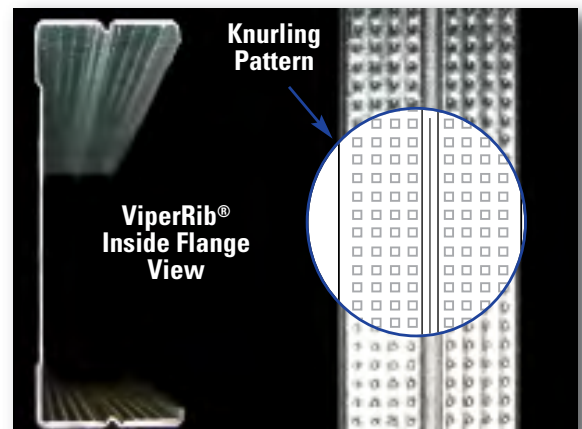
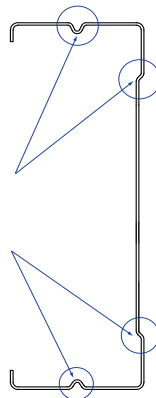
Flat Steel

Knurl & Rib Technology

The stud and track system utilizes a knurled flange and reinforcing ribs along with a flat stud design. Knurling is the pattern of small ridges formed on the flange to prevent screws from walking. Since knurling is only formed on one side of the steel, the stud stays flat, never compromising the strength or thickness of the steel.

ViperRib® technology applies a reinforced ribbing over the web and flange of ViperStud. The ribs provide added strength, are less prone to twist and creating "high-shoulders" when finishing gypsum board.

ViperRib® Technology
makes ViperStud stronger
& less prone to twist or buckle.



The One-Track System

We've tested ViperTrack25 extensively with Viper25 studs. Our third-party testing proves that it is not necessary to use the same thickness track as the stud. Now you can submit a lighter gauge track with your Viper20 studs and reduce your cost.

- Saves money
- Fewer items to inventory
- Supported by testing

Not applicable for Impact or Abuse Rated walls. Fire rated walls should be built per specific assembly requirements.

SAFETY
EDGED
BY CEMCO



For more information, please contact CEMCO's Technical Service Department at 800-416-2278.

This technical information reflects the most current information available and supersedes any and all previous publications effective February 16, 2023 #VSB5-5/2015

ViperStud®

MODEL NO.	DESIGN THICKNESS (in)	MINIMUM THICKNESS (in)	YIELD (ksi)	WEB SIZES (in)	COATING ^{1,2}	FLANGE (in)	RETURN LIP
VIPER25	0.0155	0.0147	50	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4	1/4
*VIPER 18mil	0.0188	0.0179	33	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4	1/4
VIPER20	0.0190	0.0181	70	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4	VARIOUS
VIPER 30mil	0.0312	0.0296	33	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4	1/4
VIPER 33mil	0.0346	0.0329	33	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4	1/4

ViperTrack®

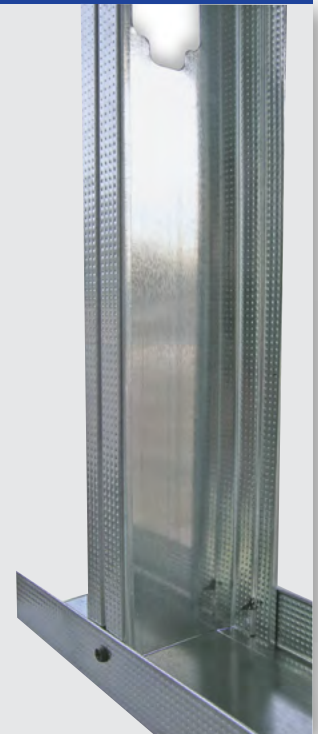
MODEL NO.	DESIGN THICKNESS (in)	MINIMUM THICKNESS (in)	YIELD (ksi)	WEB SIZES (in)	COATING ^{1,2}	FLANGE (in)
VIPERTRACK25	0.0155	0.0147	50	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4
*VIPERTRACK 18mil	0.0188	0.0179	33	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4
VIPERTRACK20	0.0190	0.0181	50	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4
VIPERTRACK 30mil	0.0312	0.0296	33	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4
VIPERTRACK 33mil	0.0346	0.0329	33	1-5/8, 2-1/2, 3-5/8, 4, 6	G40	1-1/4

Notes:

1. Per ASTM C645 & ASTM A1003 Table 1.
2. G60 and G90 available upon request.
3. Knockout size for 1-5/8" & 2-1/2" stud is 3/4" x 1-3/4".
Knockout size for 3-5/8", 4", and 6" stud is 1-1/2" x 2-1/2".

*For Select Markets Only

Viper25 (15 mil) is equivalent to conventional 25 gauge (18 mil) studs, and Viper20 (18 mil/70 ksi) is equivalent to conventional 20 gauge studs (30 mil). ASTM C 645 Section 5.1 allows for permissible dimensional thickness variations. Section 8.2 allows for thickness variations and exemptions from minimum section property values, if specified performance requirements are not met. The ViperStud Drywall Framing products meet and exceed these requirements.



VIPERSTUD® SECTION PROPERTIES

MODEL NO.	GAUGE (mils)	MEMBER	DESIGN (in)	MIN. (in)	YIELD (ksi)	WEIGHT (lb/ft)	GROSS PROPERTIES					EFFECTIVE PROPERTIES		MOMENTS				CRITICAL UNBRACED LENGTH (in)
							AREA (in ²)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _{xd} (in ⁴)	S _x (in ³)	ALLOWABLE MOMENT Ma (in-k)	LOCAL BUCKLING NOMINAL MOMENT VIPER Mnl (in-k)	DISTORTIONAL BUCKLING NOMINAL MOMENT VIPER Mnd (in-k)	NOMINAL MOMENT FOR CONVENTIONAL STUDS Mn (in-k)	
VIPER25	25EQ (15)	162VS125-15 (25EQ)	0.0155	0.0147	50	0.24	0.071	0.032	0.671	0.0000	0.461	0.032	0.024	0.66	1.42	1.20	1.02 (18MIL)	25.1
		250VS125-15 (25EQ)	0.0155	0.0147	50	0.29	0.085	0.084	0.998	0.0170	0.452	0.090	0.042	1.17	2.72	2.12	1.72 (18MIL)	24.8
		362VS125-15* (25EQ)	0.0155	0.0147	50	0.35	0.102	0.199	1.390	0.0190	0.435	0.205	0.058	1.60	3.48	2.90	2.47 (18MIL)	24.5
		400VS125-15* (25EQ)	0.0155	0.0147	50	0.37	0.108	0.250	1.520	0.0200	0.429	0.255	0.061	1.69	3.99	3.06	2.74 (18MIL)	24.4
		600VS125-15* (25EQ)	0.0155	0.0147	50	0.47	0.139	0.659	2.180	0.0220	0.397	0.628	0.085	2.36	5.90	4.27	4.13 (18MIL)	23.7
VIPER20	20EQ (18)	162VS125-18-70 (20EQ)	0.0190	0.0181	70	0.285	0.084	0.039	0.683	0.0179	0.462	0.0328	0.0285	1.19	1.99	2.02	1.99 (30MIL)	21.2
		250VS125-18-70 (20EQ)	0.0190	0.0181	70	0.351	0.103	0.106	1.010	0.0227	0.469	0.0942	0.0581	2.09	4.07	3.49	3.49 (30MIL)	21.9
		362VS125-18-70 (20EQ)	0.0190	0.0181	70	0.423	0.124	0.249	1.420	0.0256	0.454	0.213	0.0755	3.08	5.28	5.14	5.14 (30MIL)	21.5
		400VS125-18-70 (20EQ)	0.0190	0.0181	70	0.449	0.132	0.315	1.550	0.0266	0.449	0.265	0.085	3.44	5.93	5.74	5.74 (30MIL)	21.5
		600VS125-18-70* (20EQ)	0.0190	0.0181	70	0.586	0.172	0.846	2.220	0.0319	0.430	0.647	0.151	5.41	10.60	9.04	9.00 (30MIL)	21.5
VIPER 30MIL	20 (30)	162VS125-30	0.0312	0.0296	33	0.46	0.135	0.062	0.688	0.0280	0.455	0.062	0.067	1.32	2.21	2.38	1.99 (30MIL)	30.8
		250VS125-30	0.0312	0.0296	33	0.55	0.161	0.166	1.020	0.0320	0.045	0.163	0.120	2.31	3.96	3.86	3.49 (30MIL)	30.1
		362VS125-30	0.0312	0.0296	33	0.67	0.197	0.391	1.410	0.0370	0.431	0.385	0.172	3.39	5.67	5.85	5.14 (30MIL)	29.7
		400VS125-30	0.0312	0.0296	33	0.71	0.209	0.493	1.540	0.0380	0.425	0.486	0.191	3.78	6.31	6.52	5.74 (30MIL)	29.6
		600VS125-30	0.0312	0.0296	33	0.92	0.271	1.310	2.190	0.0420	0.392	1.230	0.341	5.95	11.30	9.93	9.00 (30MIL)	28.7
VIPER 33MIL	20 (33)	162VS125-33	0.0346	0.0329	33	0.50	0.147	0.069	0.683	0.0300	0.453	0.068	0.077	1.53	2.55	2.71	2.29 (33MIL)	30.8
		250VS125-33	0.0346	0.0329	33	0.61	0.178	0.183	1.010	0.0360	0.447	0.181	0.137	2.65	4.53	4.42	4.02 (33MIL)	30.1
		362VS125-33	0.0346	0.0329	33	0.75	0.220	0.432	1.400	0.0400	0.429	0.428	0.201	3.96	6.62	6.75	6.00 (33MIL)	29.7
		400VS125-33	0.0346	0.0329	33	0.78	0.230	0.544	1.540	0.0410	0.424	0.539	0.224	4.42	7.38	7.53	6.70 (33MIL)	29.5
		600VS125-33	0.0346	0.0329	33	1.02	0.301	1.440	2.190	0.0460	0.391	1.390	0.400	6.93	13.20	11.60	10.55 (33MIL)	28.6

Notes:

1. Nominal Moments for Viper25 are based on testing. Allowable moment (Ma) is calculated with safety factor of 1.81 in accordance with chapter F of AISI S100-12 specification.
2. Nominal moment for Viper20, Viper 30mil, Viper 33mil and conventional studs are based on calculations per AISI S100 & S220.
3. Section properties are in accordance with AISI S100 & S220.
4. Web depth-to-thickness ratio exceeds 200.
5. Web depth-to-thickness ratio exceeds 260.
6. ViperStud is considered fully braced when the unbraced length is less than listed Lu.
7. K₀ assumed to be zero for distortional buckling moments.

For more information, please contact CEMCO's Technical Service Department at 800-416-2278.

This technical information reflects the most current information available and supersedes any and all previous publications effective February 16, 2023 #VSB5-5/2015



MODEL NO.	DEPTH	GAUGE (mil.)	MEMBER	DESIGN (in)	MIN. (in)	YIELD (ksi)	SPACING O.C. (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
VIPER25	1-5/8"	25EQ (15)	162VS125-15 (25EQ)	0.0155	0.0147	50	12	13'-9"	11'-4"	9'-10"	12'-0"	9'-11"	8'-3"	10'-11"	8'-10"	--
			162VS125-15 (25EQ)	0.0155	0.0147	50	16	12'-6"	10'-4"	8'-8"	10'-11"	9'-11"	--	9'-11"	7'-11"	--
			162VS125-15 (25EQ)	0.0155	0.0147	50	24	10'-11"	8'-10"	--	9'-5"	8'-10"	--	8'-2"	--	--
	2-1/2"	25EQ (15)	250VS125-15 (25EQ)	0.0155	0.0147	50	12	17'-3"	14'-5"	12'-9"	15'-0"	12'-7"	11'-1"	13'-8"	11'-6"	10'-1"
			250VS125-15 (25EQ)	0.0155	0.0147	50	16	15'-8"	13'-1"	11'-7"	13'-8"	11'-6"	10'-1"	12'-3"	10'-5"	8'-9"
			250VS125-15 (25EQ)	0.0155	0.0147	50	24	13'-8"	11'-6"	10'-1"	11'-6"	10'-0"	8'-2"	10'-0"	8'-8"	--
	3-5/8"	25EQ (15)	362VS125-15 (25EQ)	0.0155	0.0147	50	12	20'-10"	17'-3"	15'-2"	18'-2"	15'-1"	13'-3"	15'-10"	13'-9"	12'-0"
			362VS125-15 (25EQ)	0.0155	0.0147	50	16	18'-11"	15'-9"	13'-9"	15'-10"	13'-9"	12'-0"	13'-9"	12'-6"	10'-11"
			362VS125-15 (25EQ)	0.0155	0.0147	50	24	15'-10"	13'-9"	12'-0"	12'-11"	12'-0"	10'-6"	11'-3"	10'-11"	9'-6"
	4"	25EQ (15)	400VS125-15 (25EQ)	0.0155	0.0147	50	12	22'-1"	18'-3"	16'-3"	19'-3"	15'-11"	14'-2"	16'-8"	14'-6"	12'-11"
			400VS125-15 (25EQ)	0.0155	0.0147	50	16	20'-0"	16'-7"	14'-9"	16'-8"	14'-6"	12'-11"	14'-5"	13'-2"	11'-9"
			400VS125-15 (25EQ)	0.0155	0.0147	50	24	16'-8"	14'-6"	12'-11"	13'-7"	12'-8"	11'-3"	11'-9"	11'-6"	10'-1"
	6"	25EQ (15)	600VS125-15 (25EQ)	0.0155	0.0147	50	12	24'-8"	23'-9"	21'-1"	22'-3"	20'-9"	18'-5"	20'-0"	18'-10"	16'-9"
			600VS125-15 (25EQ)	0.0155	0.0147	50	16	22'-11"	21'-7"	19'-2"	20'-0"	18'-10"	16'-9"	17'-5"	15'-3"	15'-3"
			600VS125-15 (25EQ)	0.0155	0.0147	50	24	20'-0"	18'-10"	16'-9"	16'-5"	16'-5"	14'-8"	13'-6"	13'-6"	13'-0"
VIPER20	1-5/8"	20EQ (18)	162VS125-18-70 (20EQ)	0.0190	0.0181	70	12	13'-10"	11'-0"	9'-7"	12'-1"	9'-7"	8'-5"	11'-0"	8'-9"	--
			162VS125-18-70 (20EQ)	0.0190	0.0181	70	16	12'-7"	10'-0"	8'-9"	11'-0"	8'-9"	7'-11"	10'-0"	7'-11"	--
			162VS125-18-70 (20EQ)	0.0190	0.0181	70	24	11'-0"	8'-9"	--	9'-7"	--	--	8'-9"	--	--
	2-1/2"	20EQ (18)	250VS125-18-70 (20EQ)	0.0190	0.0181	70	12	18'-2"	14'-5"	12'-7"	15'-10"	12'-7"	11'-0"	14'-5"	11'-5"	9'-10"
			250VS125-18-70 (20EQ)	0.0190	0.0181	70	16	16'-6"	13'-1"	11'-5"	14'-5"	11'-5"	9'-10"	13'-1"	10'-4"	8'-10"
			250VS125-18-70 (20EQ)	0.0190	0.0181	70	24	14'-5"	11'-5"	9'-10"	12'-7"	9'-10"	8'-5"	11'-5"	8'-10"	-
	3-5/8"	20EQ (18)	362VS125-18-70 (20EQ)	0.0190	0.0181	70	12	21'-11"	18'-0"	15'-10"	19'-1"	15'-9"	13'-10"	17'-5"	14'-3"	12'-7"
			362VS125-18-70 (20EQ)	0.0190	0.0181	70	16	19'-11"	16'-4"	14'-9"	17'-5"	14'-3"	12'-11"	15'-10"	13'-0"	11'-4"
			362VS125-18-70 (20EQ)	0.0190	0.0181	70	24	17'-5"	14'-3"	12'-7"	15'-2"	12'-6"	10'-10"	13'-6"	11'-3"	9'-9"
	4"	20EQ (18)	400VS125-18-70 (20EQ)	0.0190	0.0181	70	12	22'-11"	18'-11"	16'-8"	20'-0"	16'-7"	14'-7"	18'-2"	15'-1"	13'-3"
			400VS125-18-70 (20EQ)	0.0190	0.0181	70	16	20'-10"	17'-3"	15'-2"	18'-2"	15'-1"	13'-3"	16'-6"	13'-8"	12'-1"
			400VS125-18-70 (20EQ)	0.0190	0.0181	70	24	18'-2"	15'-1"	13'-3"	15'-10"	13'-2"	11'-7"	13'-6"	11'-11"	10'-5"
	6"	20EQ (18)	600VS125-18-70 (20EQ)	0.0190	0.0181	70	12	30'-6"	26'-0"	23'-0"	26'-7"	22'-9"	20'-1"	24'-2"	20'-8"	18'-4"
			600VS125-18-70 (20EQ)	0.0190	0.0181	70	16	27'-8"	23'-7"	20'-11"	24'-2"	20'-8"	18'-4"	20'-3"	18'-9"	16'-8"
			600VS125-18-70 (20EQ)	0.0190	0.0181	70	24	24'-2"	20'-8"	18'-4"	18'-0"	18'-0"	16'-0"	13'-6"	13'-6"	13'-6"
VIPER 30MIL	1-5/8"	20 (30)	162VS125-30	0.0312	0.0296	33	12	14'-7"	11'-6"	10'-0"	12'-9"	10'-0"	8'-6"	11'-7"	8'-11"	--
			162VS125-30	0.0312	0.0296	33	16	13'-3"	10'-5"	8'-11"	11'-7"	8'-11"	--	10'-6"	7'-10"	--
			162VS125-30	0.0312	0.0296	33	24	11'-7"	8'-11"	--	10'-1"	--	--	8'-10"	--	--
	2-1/2"	20 (30)	250VS125-30	0.0312	0.0296	33	12	18'-9"	14'-10"	13'-0"	16'-4"	13'-0"	11'-4"	14'-10"	11'-10"	10'-4"
			250VS125-30	0.0312	0.0296	33	16	17'-0"	13'-6"	11'-10"	14'-10"	11'-10"	10'-4"	13'-6"	10'-9"	9'-3"
			250VS125-30	0.0312	0.0296	33	24	14'-10"	11'-10"	10'-4"	12'-9"	10'-4"	8'-10"	11'-0"	9'-3"	--
	3-5/8"	20 (30)	362VS125-30	0.0312	0.0296	33	12	23'-3"	18'-6"	16'-2"	20'-4"	16'-2"	14'-1"	18'-6"	14'-8"	12'-10"
			362VS125-30	0.0312	0.0296	33	16	21'-2"	16'-9"	14'-8"	18'-6"	14'-8"	12'-10"	16'-4"	13'-4"	11'-6"
			362VS125-30	0.0312	0.0296	33	24	18'-6"	14'-8"	12'-10"	15'-4"	12'-10"	11'-0"	13'-4"	11'-6"	9'-11"
	4"	20 (30)	400VS125-30	0.0312	0.0296	33	12	25'-2"	20'-0"	17'-6"	22'-0"	17'-6"	15'-3"	19'-5"	15'-11"	13'-10"
			400VS125-30	0.0312	0.0296	33	16	22'-11"	18'-2"	15'-11"	19'-5"	15'-11"	13'-10"	16'-10"	14'-5"	12'-7"
			400VS125-30	0.0312	0.0296	33	24	19'-5"	15'-11"	13'-10"	15'-10"	13'-10"	12'-1"	13'-6"	12'-7"	10'-11"
	6"	20 (30)	600VS125-30	0.0312	0.0296	33	12	31'-10"	26'-9"	23'-4"	26'-0"	23'-4"	20'-5"	22'-6"	21'-3"	18'-6"
			600VS125-30	0.0312	0.0296	33	16	27'-7"	24'-3"	21'-3"	22'-6"	21'-3"	18'-6"	19'-6"	19'-3"	16'-10"
			600VS125-30	0.0312	0.0296	33	24	22'-6"	21'-3"	18'-6"	18'-0"	18'-0"	16'-2"	13'-6"	13'-6"	13'-6"
VIPER 33MIL	1-5/8"	20 (33)	162VS125-33	0.0346	0.0329	33	12	14'-11"	11'-10"	10'-4"	13'-0"	10'-4"	8'-10"	11'-10"	9'-4"	--
			162VS125-33	0.0346	0.0329	33	16	13'-6"	10'-9"	9'-4"	11'-10"	9'-4"	--	10'-9"	8'-4"	--
			162VS125-33	0.0346	0.0329	33	24	11'-10"	9'-4"	--	10'-4"	--	--	9'-4"	--	--
	2-1/2"	20 (33)	250VS125-33	0.0346	0.0329	33	12	19'-4"	15'-4"	13'-5"	16'-10"	13'-5"	11'-8"	15'-4"	12'-2"	10'-8"
			250VS125-33	0.0346	0.0329	33	16	17'-7"	13'-11"	12'-2"	15'-4"	12'-2"	10'-8"	13'-11"	11'-0"	9'-8"
			250VS125-33	0.0346	0.0329	33	24	15'-4"	12'-2"	10'-8"	13'-5"	10'-8"	9'-2"	12'-0"	9'-8"	--
	3-5/8"	20 (33)	362VS125-33	0.0346	0.0329	33	12	23'-10"	18'-11"	16'-6"	20'-10"	16'-6"	14'-5"	18'-11"	15'-0"	13'-1"
			362VS125-33	0.0346	0.0329	33	16	21'-8"	17'-2"	15'-0"	18'-11"	15'-0"	13'-1"	17'-2"	13'-8"	11'-10"
			362VS125-33	0.0346	0.0329	33	24	18'-11"	15'-0"	13'-1"	16'-6"	13'-1"	11'-4"	13'-6"	11'-10"	10'-3"
	4"	20 (33)	400VS125-33	0.0346	0.0329	33	12	25'-8"	20'-4"	17'-10"	22'-5"	17'-10"	15'-7"	20'-4"	16'-2"	14'-1"
			400VS125-33	0.0346	0.0329	33	16	23'-4"	18'-6"	16'-2"	20'-4"	16'-2"	14'-1"	18'-4"	14'-8"	12'-10"
			400VS125-33	0.0346	0.0329	33	24	20'-4"	16'-2"	14'-1"	17'-3"	14'-2"	12'-4"	13'-6"	12'-10"	11'-2"
	6"	20 (33)	600VS125-33	0.0346	0.0329	33	12	34'-5"	27'-7"	24'-1"	28'-1"	24'-1"	21'-1"	24'-4"	21'-11"	19'-2"
			600VS125-33	0.0346	0.0329	33	16	29'-10"	25'-1"	21'-11"	24'-4"	21'-11"	19'-2"	20'-3"	19'-11"	17'-5"
			600VS125-33	0.0346	0.0329	33	24	24'-4"	21'-11"	19'-2"	18'-0"	18'-0"	16'-9"	13'-6"	13'-6"	13'-6"

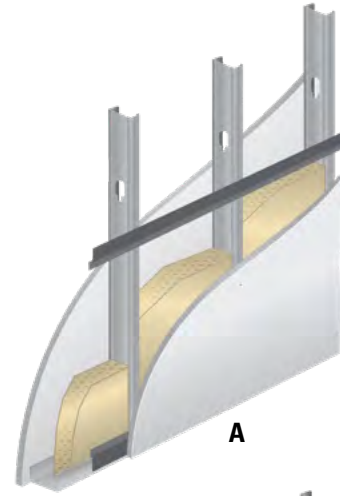
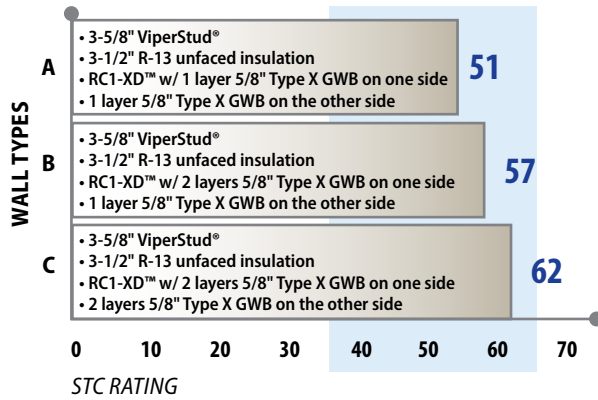
Notes:

- Viper composite limiting heights are based on testing in accordance with ICC-ES acceptance criteria AC86.
- Mechanical fastening of gypsum panel to the stud and track is required, except when installing a minimum 30 mil slotted track with 2-1/2" legs in lieu of standard track.
- Viper composite limiting heights based on a single layer of 5/8" Type X gypsum board applied vertically to both sides of the wall over full height. 5/8" Type X wallboard from the following manufacturers are acceptable: USG, National, Georgia Pacific, CertainTeed, American and Continental.
- For deflection track usage contact Technical Services.
- Review fire related assemblies for any additional requirements.

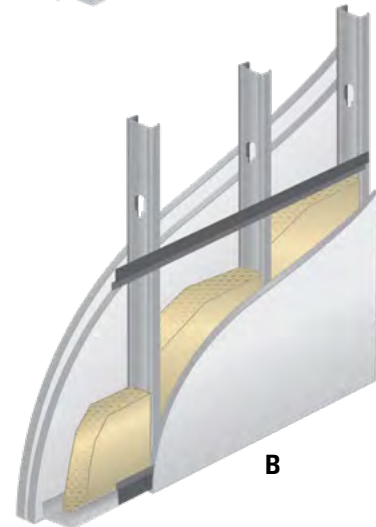
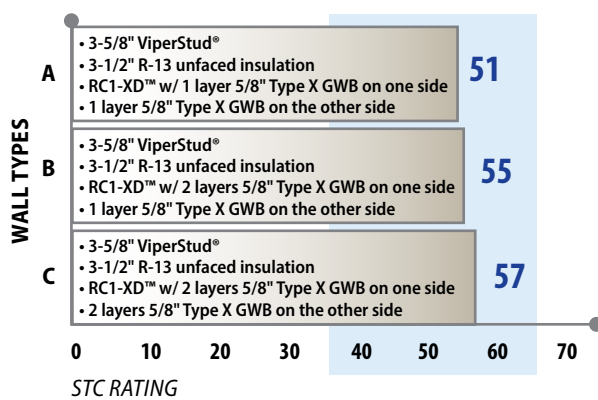
For more information, please contact CEMCO's Technical Service Department at 800-416-2278.

This technical information reflects the most current information available and supersedes any and all previous publications effective February 16, 2023 #VSB5-5/2015

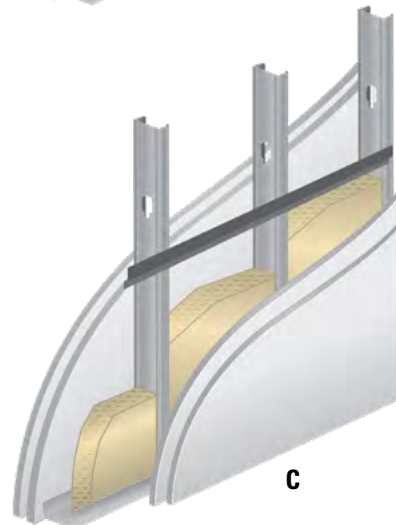
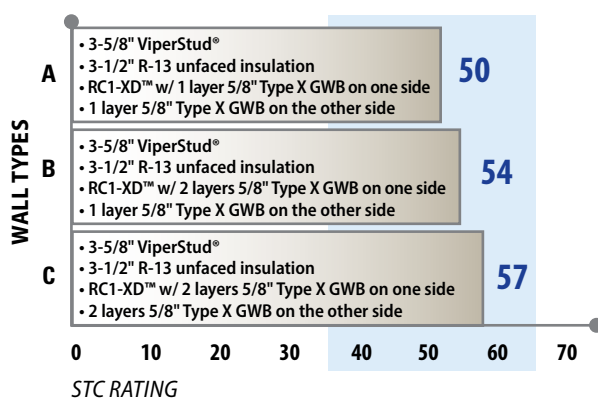
VIPER20 24" O.C.



VIPER20 16" O.C.



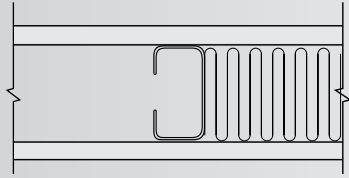
VIPER 33 MIL 24" O.C.



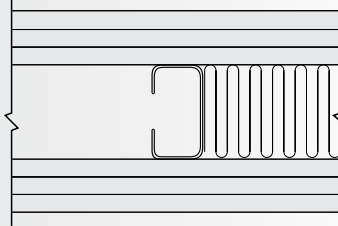
For more information, please contact CEMCO's Technical Service Department at 800-416-2278.

This technical information reflects the most current information available and supersedes any and all previous publications effective February 16, 2023 #VSB5-5/2015

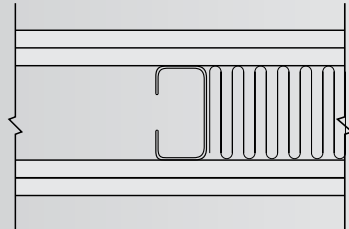
1 Hour Wall Assembly



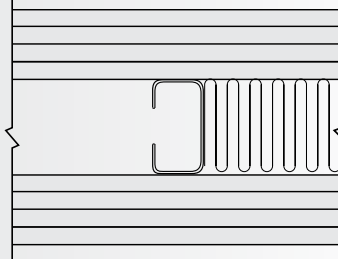
3 Hour Wall Assembly



2 Hour Wall Assembly



4 Hour Wall Assembly



Insulation shown is optional in most assemblies.
Check UL Design Guide for rated assembly requirements.

**VIPERSTUD® IS
FIRE TESTED**



VIPERSTUD® FIRE TESTING DATA (ASTM E119)

UL Design No.	ViperStud Min. Thickness	Wall Rating:	UL Design No.	ViperStud Min. Thickness	Wall Rating:
U375	Viper25	2 HR	V412	Viper20	2 HR
U403	Viper20	2 HR	V416	Viper20	1 HR
U407	Viper25	1/2 or 1 HR	V417	Viper25	1 HR
U408	Viper20	2 HR	V418	Viper20	2 HR
U411	Viper20	2 HR	V419	Viper20	2 HR
U412	Viper20	2 HR	V425	Viper20	1 HR
U419	Viper25	1, 2, 3 or 4 HR	V435	Viper25	1 HR
U421	Viper20	2 HR	V437	Viper20	1 HR Chase
U431	Viper20	4 HR	V438	Viper25	1, 2, 3, or 4 HR
U435	Viper20	3 or 4 HR	V443	Viper20	4 HR
U436	Viper20	1, 2, or 3 HR	V444	Viper20	1 HR
U450	Viper20	1, 3, or 4 HR	V448	Viper25	1 HR
U451	Viper20	1 HR	V449	Viper20	2 HR
U454	Viper20	2 HR	V452	Viper25	1 or 2 HR
U463	Viper20	3 or 4 HR	V469	Viper25	1 or 2 HR Chase
U465	Viper20	1 HR Chase	V476	Viper20	1, 3, or 4 HR
U466	Viper20	1 HR	V486	Viper25	1, 2, or 2-1/2 HR
U471	Viper20	1-1/2 HR	V488	Viper25	1 or 2 HR Chase
U475	Viper20	1, 2, 3 or 4 HR	V489	Viper25	1, 2, 3, or 4 HR
U478	Viper20	3 HR	V496	Viper20	1 or 2 HR Chase
U491	Viper20	2 HR	V498	Viper25	1, 2, 3, or 4 HR
U493	Viper25	1, 2 HR Chase	W411	Viper25	1/2 or 1 HR
U494	Viper20	1 HR	W415	Viper20	1 or 2 HR
U495	Viper20	1 or 2 HR	W423	Viper25	1/2 or 1 HR
U496	Viper20	1 HR	W424	Viper25	1/2 or 1 HR
V410	Viper20	2 HR	W432	Viper25	2 HR
			W433	Viper25	1/2 HR

Note: Check UL Design assembly for minimum stud web width and other requirements.
Visit www.cemcosteel.com for more information on fire rated assemblies.

For more information, please contact CEMCO's Technical Service Department at 800-416-2278.

This technical information reflects the most current information available and supersedes any and all previous publications effective February 16, 2023 #VSB5-5/2015

ProX Header® Installation is Consistent, Fast, & Easy

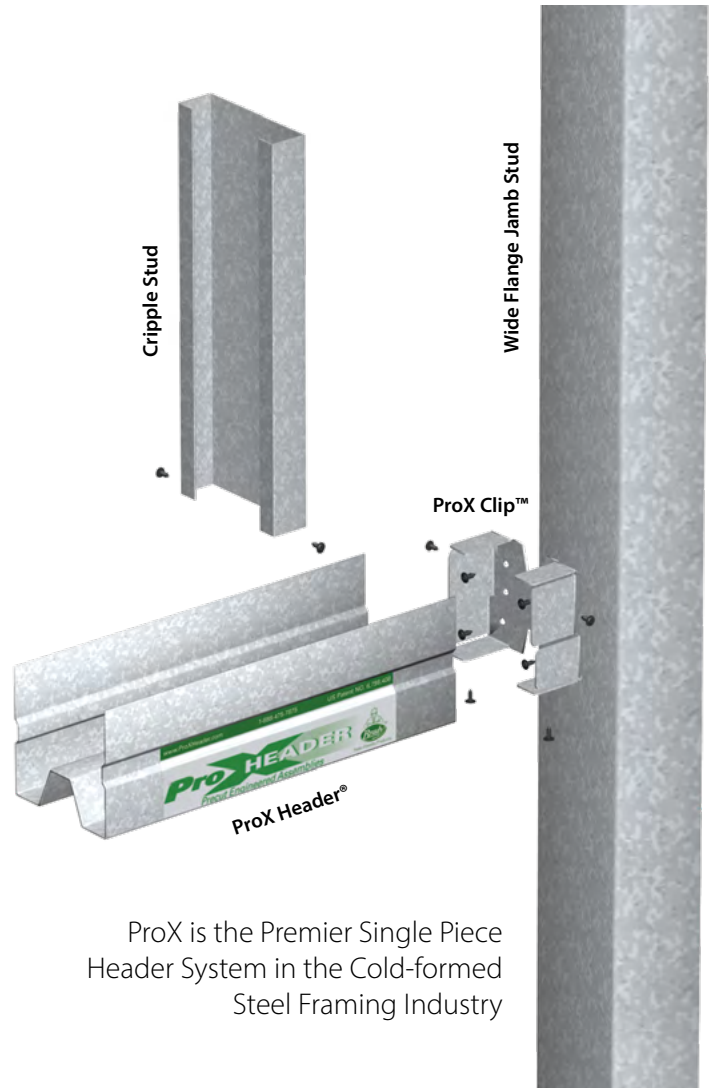
The unique shape of ProX Header is engineered to carry higher load values with less steel. The patented system utilizes an internal clip that fastens to the vertical Jamb stud(s). The ProX Header member snaps into place and leaves a flush surface for the application of drywall.

The exploded assembly shows just how simple the ProX Header System is. The internal clip allows the ProX member to “snap and hold-in-place” for fast installation and transfers loads to the vertical jamb studs. ProX is the fastest, easiest and the lowest installed cost, most efficient system for all rough openings. Code compliance is easily achieved when the ProX Header is used.

The ProX Header is made of 20, 18, 16 and 14 gauge (33, 43, 54 and 68 mil) galvanized steel complying with industry standard ASTM performance criteria for metal stud framing. The members fasten together with No. 8 (interior) or No. 10 (exterior) sheet metal screws (SMS). ProX Header Clips are internal and connect horizontal to vertical members, which leaves a smooth framing substrate for the drywall and finishing trades.

Benefits:

- IAPMO ER-0286.
- IIBC 2012/2015/2018 & CBC 2013/2016/2019 code compliant.
- The ProX Header is engineered to deliver superior strength with fewer pieces.
- Easy, consistent installation – no welding required.
- Superior strength at connection points – internal ProX Header Clip design.
- Improved load values in lighter gauge materials.
- Straight cuts that deliver consistent and accurate fitting components.
- Reduces field cutting, welding and trimming.
- Consistent door and window header design for both interior and exterior metal framed openings.
- ProX Header offers a flush framing substrate that provides a better quality drywall finish.
- Easily insulates during the “work in progress.”
- Pre-engineered code compliant Span Tables.



ProX is the Premier Single Piece Header System in the Cold-formed Steel Framing Industry

Watch ProX Header Component Assembly

See how simply the system components assemble to form a stronger header.

Scan code on right to view, or visit: www.proxheader.com

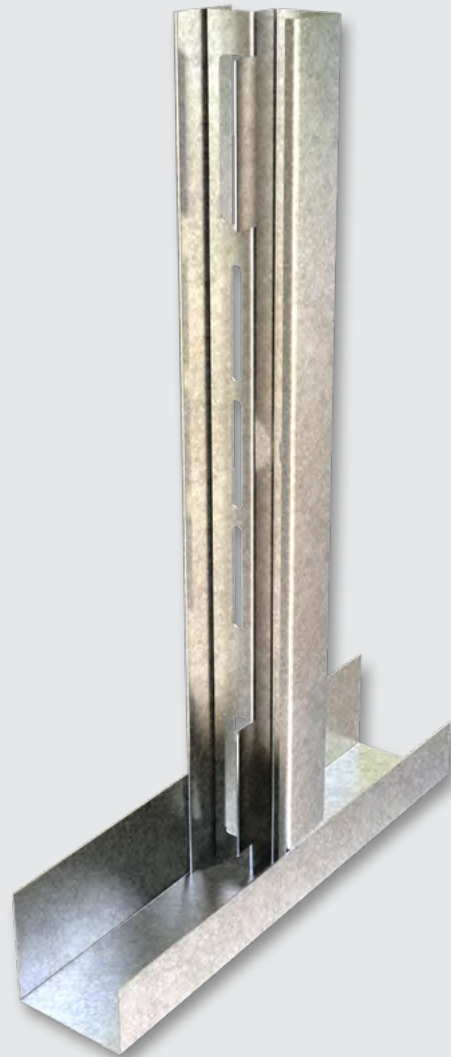


Stairwells/HVAC Chase Walls & Plenums

CEMCO's CT Shaft Wall are an economical solution for enclosing stairwells, chase walls, and plenums built to enclose HVAC plenums. Tested for both 1 and 2 hour fire-rated wall assemblies, CT shaft wall studs are easy to install and offer several different UL fire rated assemblies with various manufacturers of gypsum Shaftliner panels.



Scan or click the code
below to view the
CT Shaft Wall Stud
System Catalog



CT Shaft Wall Studs

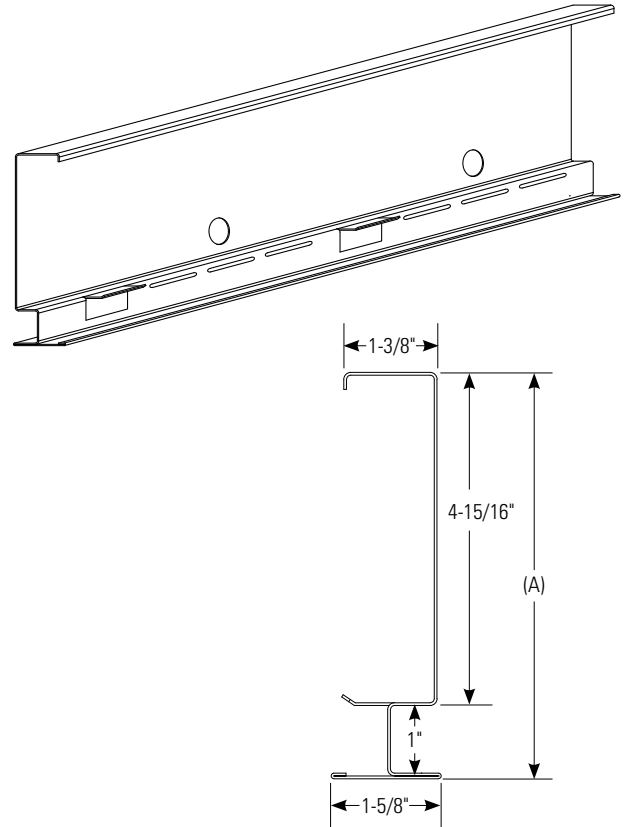
CEMCO's 33, and 43 Mil CT studs are fabricated in web depths of 2-1/2", 4", and 6" each with a short-flange width of 1-3/8" and long-flange width of 1-5/8". All CT studs manufactured by CEMCO are produced from hot-dipped galvanized steel. 33 Mil CT studs are available in standard G40 coating (G60 is available upon special request); 43 Mil CT studs are available in standard G60 coating (G90 is available upon special request).

Properties

Member Depth (A) (in)	Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
2-1/2, 4, 6	33	0.0346 (88mm)	0.0329 (84mm)
2-1/2, 4, 6	43	0.0451 (1.15 mm)	0.043 (1.09 mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on AISI S100.



J-Runner

CEMCO's 34 Mil "JR" J-Runners are fabricated in web depths of 2-1/2", 4", and 6"; with a short leg of 1", and a long leg of 2". J-Runners manufactured by CEMCO are produced from hot-dipped galvanized steel in standard G40 coating. G60 is available upon special request.

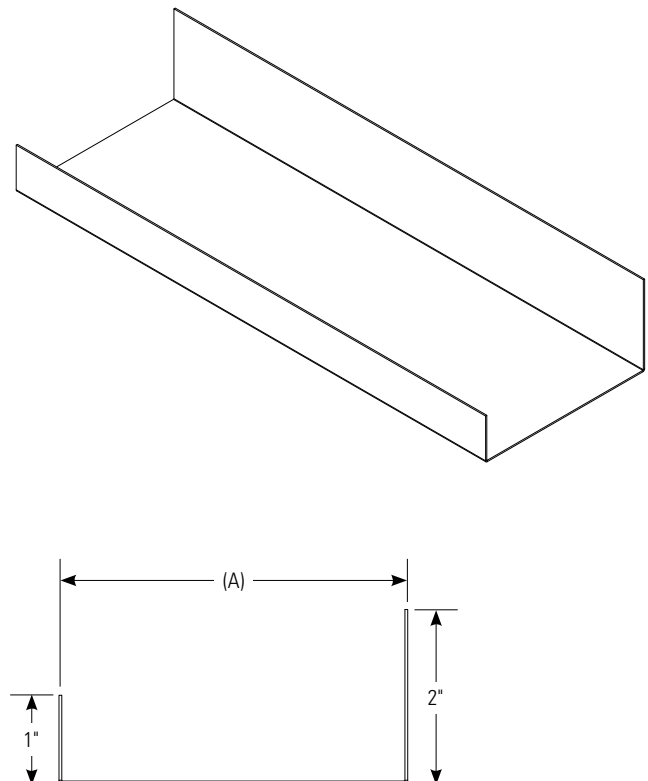
The 43 Mil "JR" J-Runners are fabricated in web depths of 4", and 6"; with a short leg of 1", and a long leg of 2". They are produced from hot-dipped galvanized steel in standard G60 coating. G90 is available upon special request.

Properties

Member Depth (A) (in)	Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
2-1/2, 4, 6	34	0.0359 (0.91mm)	0.0341 (0.87mm)
4 & 6	43	0.0451(1.15 mm)	0.0428 (1.09 mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A4.3 of the AISI S100.

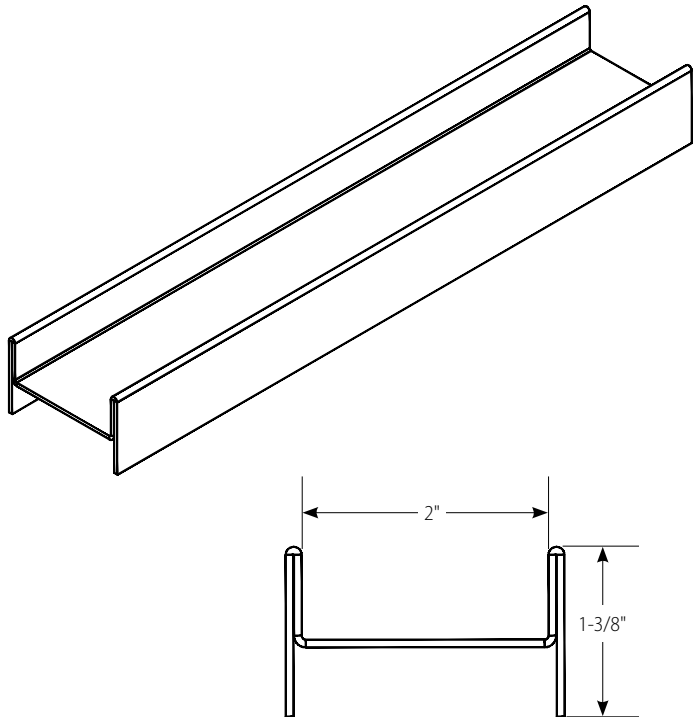


H-Stud

H-Stud members slide over and engage edges of adjacent liner panels for solid area separation walls. The members are fabricated from hot-dipped galvanized steel complying with ASTM A653, with a minimum G40 coating. The framing members comply with ASTM C645. Fire and sound rated assemblies listed under the code and Gypsum Association Fire Resistance Design Manual.

Properties

Stud Member Width (in)	Length (ft)	Mil (Gauge)
2	8 to 16	18 & 34 (25 & 20)

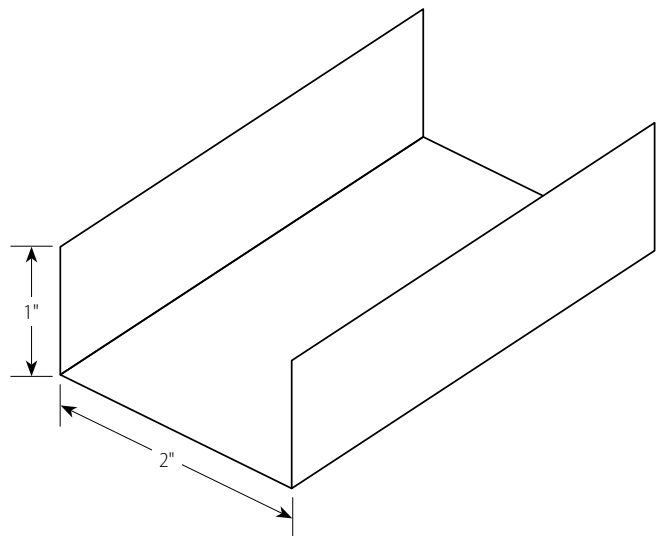


C-Runner

C-Runner members are used for solid area separation walls. The members are fabricated from hot-dipped galvanized steel complying with ASTM A653, with a minimum G40 coating. The framing members comply with ASTM C645. Fire and sound rated assemblies listed under the code and Gypsum Association Fire Resistance Design Manual.

Properties

Stud Member Width (in)	Length (ft)	Mil (Gauge)
2	10	18 & 34 (25 & 20)



Drywall Finishing Trims



CEMCO's wide variety of drywall finishing trims includes everything from standard 90-degree cornerbead to composite products like Fire Bead® and 093X-V fire-rated control joints. These trims provide not only aesthetically pleasing finishes but also framing accessories and fire/sound abatement solutions. Manufactured from the highest quality materials, these trims, control joints, and framing sub-components will help you maintain the highest level of finish quality you expect from CEMCO.



Scan or click the code below to view the Drywall Framing Accessories Catalog

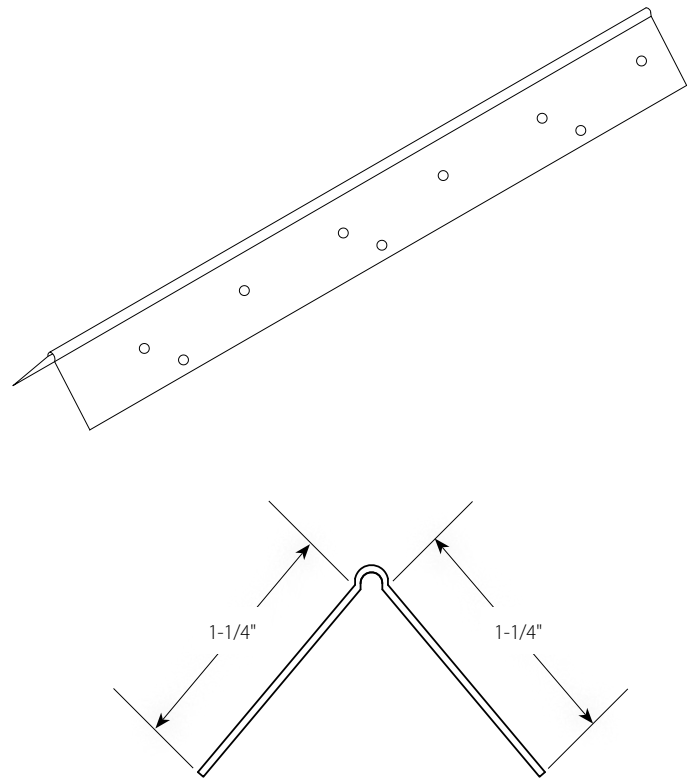


Cornerbead (Straight & Bullnose)

CEMCO's drywall cornerbead is manufactured from 13 mil hot-dipped galvanized steel in standard G40 coating for interior 90 degree corner applications. Both flanges are knurled and punched to maximize adhesion of the drywall finishing compound, creating a clean, crisp and smooth finish.

Packaging

Size	Wt/Mlf (lbs)	Pcs/Ctn	Ft/Ctn	Ctn/Plt	Wt/ctn (lbs)
1-1/4" x 1-1/4" x 7'	111	86	602	40	67
1-1/4" x 1-1/4" x 8'	110	75	600	40	66
1-1/4" x 1-1/4" x 9'	111	67	603	40	67
1-1/4" x 1-1/4" x 10'	110	60	600	40	66
1-1/4" x 1-1/4" x 12'	110	50	600	40	66
1-1/4" x 1-1/4" x 7'	111	86	602	40	67
1-1/4" x 1-1/4" x 8'	110	75	600	40	66
1-1/4" x 1-1/4" x 9'	111	67	603	40	67
1-1/4" x 1-1/4" x 10'	110	60	600	40	66
1-1/4" x 1-1/4" x 12'	110	50	600	40	66

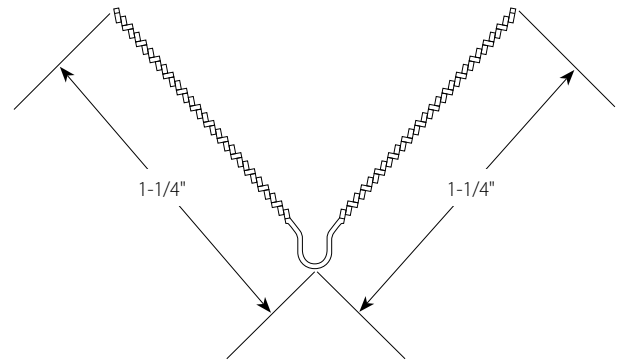
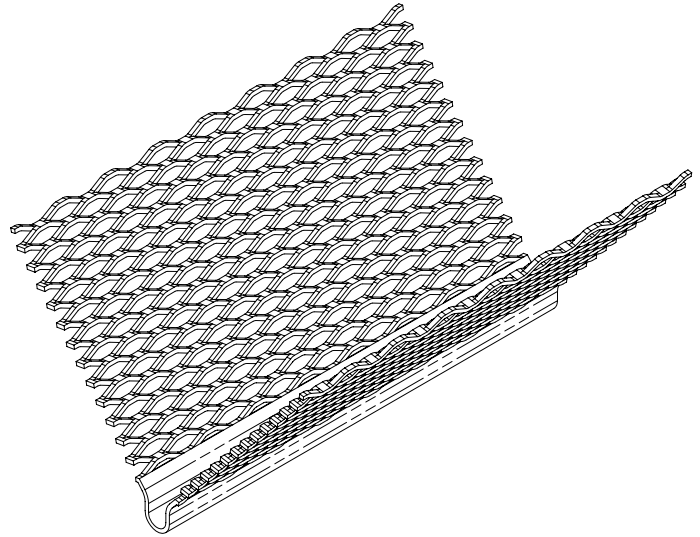


#900 Veneer Plaster Bead (Mini-Bead)

CEMCO's #900 Veneer Plaster Bead, also commonly known as #900 Mini-Bead, is an expanded flange cornerbead specifically designed to provide positive mechanical keying for thin plaster finishes on interior walls. It is a perfect cornerbead for high-end wall finishes such as Venetian plaster. #900 Mini-Bead is manufactured in standard G60 hot-dipped galvanized steel by Niles and distributed by CEMCO.

Packaging

Size	Wt/Mlf (lbs)	Pcs/ Ctn	Ft/ Ctn	Ctn/ Plt	Wt/Ctn (lbs)
1-1/4" x 1-1/4" x 8'	75	60	480	25	36
1-1/4" x 1-1/4" x 10'	75	60	600	25	45





Corner Angles

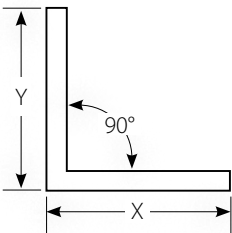
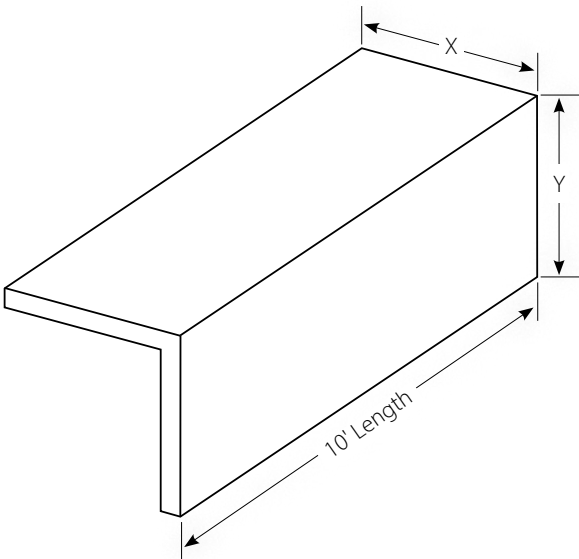
Standard 90-degree Corner Angles come in 10' length and are available with 1-1/2", 2", and 3" legs in thicknesses ranging from 18 mil up to 97 mil. 18 and 33 mil Corner Angles are fabricated from hot-dipped galvanized steel in standard G40 coating (*G60 and G90 coatings are available upon special request). 43, 54, 68 and 97 mil Corner Angles are fabricated from hot-dipped galvanized steel in standard G60 coating (*G90 coating is available upon special request).

*May require extended lead time and up-charges.

Properties

Product Code	Thickness (T)		Yield (ksi)	X (in)	Y (in)
	Design Thickness (in)	Minimum Thickness (in)			
25A112112	0.0188	0.0179	33	1-1/2	1-1/2
20A112112	0.0346	0.0329	33	1-1/2	1-1/2
18A112112	0.0451	0.0428	33	1-1/2	1-1/2
16A112112	0.0566	0.0538	50	1-1/2	1-1/2
14A112112	0.0713	0.0677	50	1-1/2	1-1/2
12A112112	0.1017	0.0966	50	1-1/2	1-1/2
25A22	0.0188	0.0179	33	2	2
20A22	0.0346	0.0329	33	2	2
18A22	0.0451	0.0428	33	2	2
16A22	0.0566	0.0538	50	2	2
14A22	0.0713	0.0677	50	2	2
12A22	0.1017	0.0966	50	2	2
25A33	0.0188	0.0179	33	3	3
20A33	0.0346	0.0329	33	3	3
18A33	0.0451	0.0428	33	3	3
16A33	0.0566	0.0538	50	3	3
14A33	0.0713	0.0677	50	3	3
12A33	0.1017	0.0966	50	3	3

- Notes:
1. Uncoated steel thickness. Thickness is for carbon sheet steel.
 2. Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness.



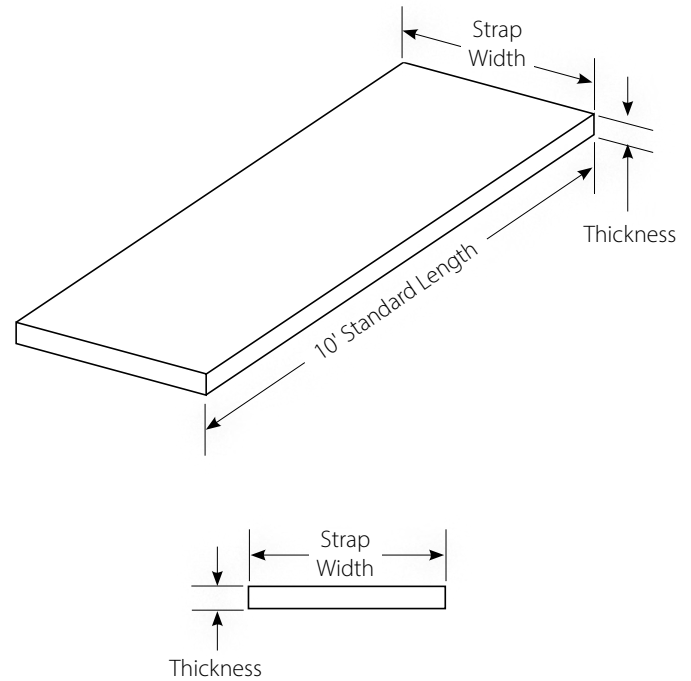
Flat Straps

CEMCO stocks several configurations of flat strap. Made from hot-dipped galvanized steel, these flat straps are stocked in 10' lengths in a variety of standard widths ranging from 2" up to 12" in 18 mil to 97 mil thicknesses. 18 and 33 mil Flat Straps are fabricated from hot-dipped galvanized steel in standard G40 coating (*G60 and G90 coatings are available upon special request). 43, 54, 68 and 97 mil Flat Straps are fabricated from hot-dipped galvanized steel in standard G60 coating (*G90 coating is available upon special request).

*May require extended lead time and up-charges.

Properties

Product Code	Strap Width (in)	Thickness (mils)	Yield Strength (ksi)
25FS2	2	18	33
20FS2	2	33	33
18FS2	2	43	33
16FS2	2	54	50
14FS2	2	68	50
12FS2	2	97	50
25FS4	4	18	33
20FS4	4	33	33
18FS4	4	43	33
16FS4	4	54	50
14FS4	4	68	50
12FS4	4	97	50
25FS6	6	18	33
20FS6	6	33	33
18FS6	6	43	33
16FS6	6	54	50
14FS6	6	68	50
12FS6	6	97	50
25FS8	8	18	33
20FS8	8	33	33
18FS8	8	43	33
16FS8	8	54	50
14FS8	8	68	50
12FS8	8	97	50
25FS10	10	18	33
20FS10	10	33	33
18FS10	10	43	33
16FS10	10	54	50
14FS10	10	68	50
12FS10	10	97	50
25FS12	12	18	33
20FS12	12	33	33
18FS12	12	43	33
16FS12	12	54	50
14FS12	12	68	50
12FS12	12	97	50



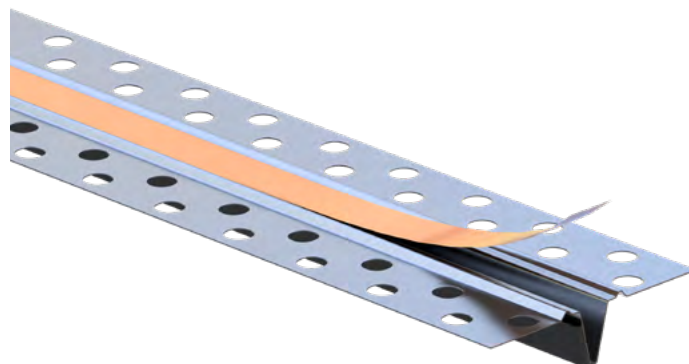
FAS-093X Fire Rated Control Joint

CEMCO's FAS-093X Fire Rated Control Joint is a composite control joint with intumescent tape factory applied to the back side of the control joint. The FAS-093X has been tested according to UL-2079 "Test For Fire Resistance of Building Joint Systems" and is used to relieve stresses of expansion and contraction of drywall interior partitions or ceilings running in a horizontal or vertical direction. The opening is protected by an orange plastic tape to indicate the fire rating. This tape is removed after joint compound has been applied and the finish is completed. The 093X can be used on metal or wood framing on one or both sides of the wall. Continuous framing or backing is required behind both flanges. The section is fabricated from 0.015 mil hot-dipped galvanized steel.

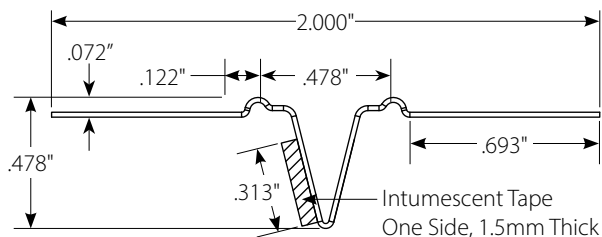
U.S. Patent 8,671,632

Packaging

Size (Length)	Pcs/Ctn	Ft/Ctn	Wt/Ctn (lbs)	Ctn/Plt
10'	20	200	-	25

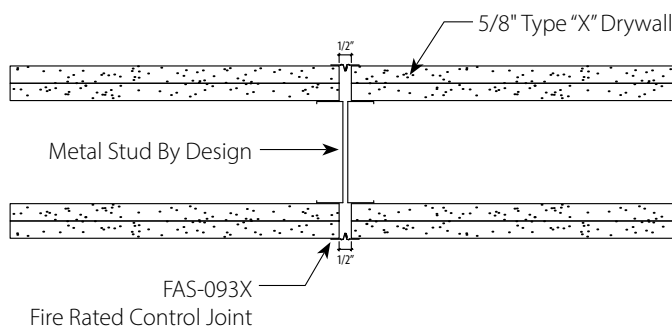
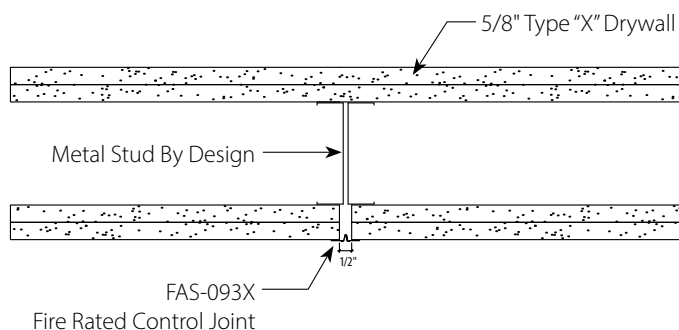


- **NO** Drywall Rips Required
- **NO** Fire Sealant Required
- **NO** Mineral Wool Required



← Scan or click
the code to view the
installation video!

Scan or click →
the code to view the
Joint Firestopping
Submittal Package
Catalog!





HOTROD® XL

CEMCO HOTROD® XL is a fire rated wall mount deflection bead that provides 1- and 2-hour fire-ratings for both dynamic and static joints for both fluted deck and concrete assemblies according to **UL-2079 5th edition** (for both standard walls and shaft walls) and no spray is required over mineral wool, and is sound tested according to ASTM E90. Sound Reports available upon request.

- HOTROD XL provides BOTH 1- and 2-hour fire ratings in ONE PROFILE and provides an L-rating of less than 1 CFM/Lin Ft for ambient and 400 degrees F.
- HOTROD XL combines HOTROD compressible firestopping foam with an easy to install finish vinyl drywall accessory for a single-step application.
- HOTROD XL may be used with CEMCO Spray-less Flute Clips in a perpendicular to flute wall assembly.
- HOTROD XL has a pink perforated attachment flange (mud leg) that is easily identified by the inspector as a UL certified firestopping accessory and a white vinyl flexible leg that conceals the compressible firestopping foam that can be painted.
- HOTROD XL has no installation temperature or humidity restrictions.
- HOTROD XL can be pre-installed to the front or back side of the drywall, to eliminate any post firestop installation work after the drywall is installed.

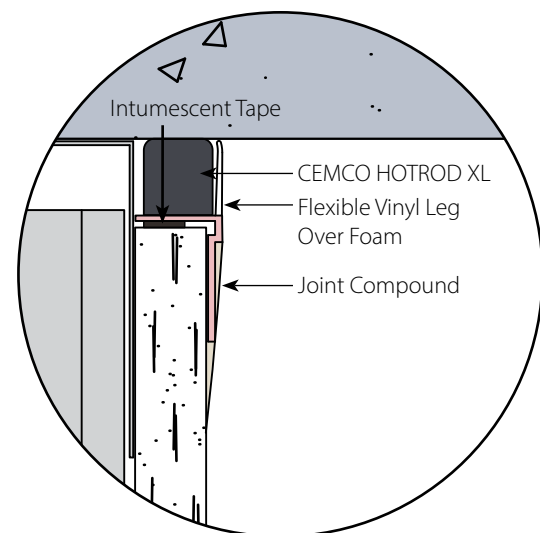
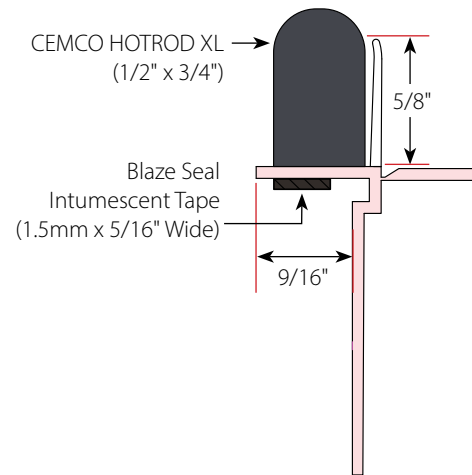
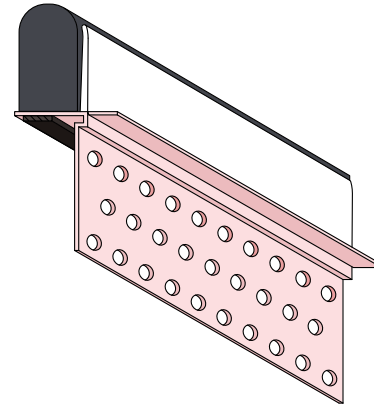
Packaging

Size (Length)	Pcs/Ctn	Ft/Ctn	Wt/Ctn (lbs)	Ctn/Plt
10' 0"	10	100'	--	30



← Scan or click the code to view the installation video!

Scan or click → the code to view the Joint Firestopping Submittal Package Catalog!





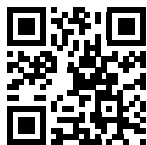
Fire Bead®

CEMCO FIRE BEAD® is a fire rated wall mount deflection bead that provides 1- and 2-hour fire-ratings for both dynamic and static joints according to **UL-2079 5th edition** (for both standard walls and shaft walls) and is sound tested according to ASTM E90. Sound Reports available upon request.

- Fire Bead provides BOTH 1- and 2-hour fire ratings.
- The 1-hour profile has a 1/2" gasket with a 5/8" flexible horizontal return leg.
- The 2-hour profile has a 1/2" gasket with a 1-1/4" flexible horizontal return leg.
- Provides an L-rating less than 1 CFM/Lin Ft for ambient and 400 degrees F.
- Fire Bead is installed fully cured, is not affected by water or moisture and has no temperature restrictions for installation.
- Fire Bead has 2 separate compressible sealing points, one against the concrete deck and one against the framing member to prevent sound flanking.
- Fire Bead has a pink perforated mud leg to indicate to the installer and inspector that the vinyl accessory is fire rated.
- Fire Bead will stay flexible for the life of the assembly.

Packaging

Size (Length)	Pcs/Ctn	Ft/Ctn	Wt/Ctn (lbs)	Ctn/Plt
10' 0"	12	120'	—	40

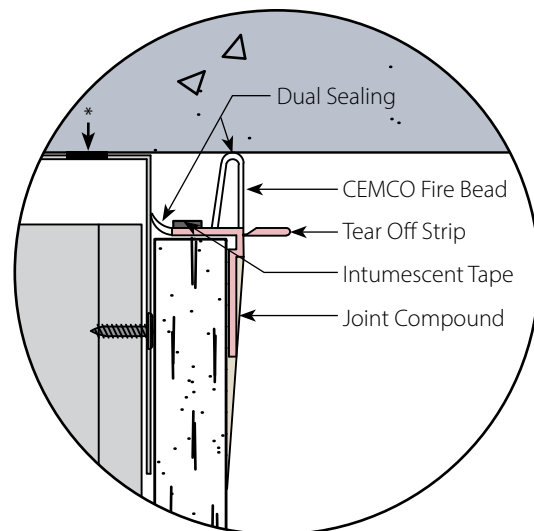
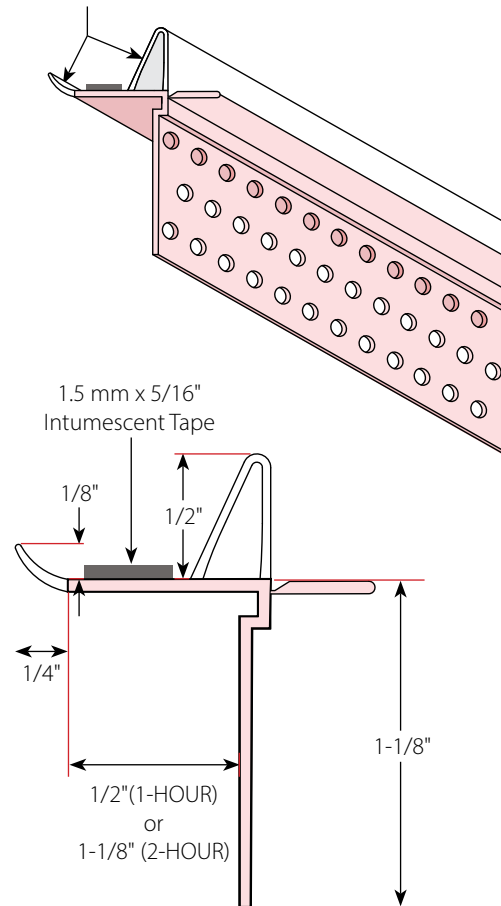


← Scan or click
the code to view the
installation video!

Scan or click →
the code to view the
Joint Firestopping
Submittal Package
Catalog!



Flexible Material 70 Durometer



* Optional bead of sealant can be applied to the web of the track prior to installation to seal off any potential gaps between the track and the concrete.





Sound Gasket®

CEMCO SOUND GASKET® is a vinyl accessory that provides smoke and sound ratings for both dynamic and static joints. The unique vinyl profile provides a seal along the inside leg to prevent sound flanking along the leg of the slotted and framing screws while the outer bubble gasket will compress to seal against uneven concrete.

- Sound Gasket is mechanically or adhesively fastened to the leg of the track. It features a 3/8" hollow bubble gasket on the upper corner that is easily compressed to seal against uneven concrete or fluted decks. Once properly installed the Sound Gasket provides an unbreakable seal, to provide long term smoke and sound protection.
- Sound Gasket takes the place of acoustic sealant at building joints.
- Sound Gasket can be used on head-of-wall, bottom-of-wall, and wall to wall building joints.
- Sound Gasket is tested for air leakage for compliance with Section 713.6 of IBC and CBC.
- Sound Gasket is manufactured in a light blue color vinyl that is easily identified by the inspector.
- Sound Gasket is paintable, always use high-quality paint.
- Sound Gasket installs fully cured and has no installation temperature or humidity restrictions.
- Sound Gasket installs on both sides of the wall and comes in 10' lengths.
- Sound Gasket can be installed in the field or pre-installed to the track prior to installing track in place.
- Sound Gasket provides up to 1" overall unencumbered movement.
- Sound Gasket is very durable and is not easily damaged, once installed it will not delaminate, it will not take in water, and it will not shrink or harden over time.
- Sound Gasket provides premium STC ratings.

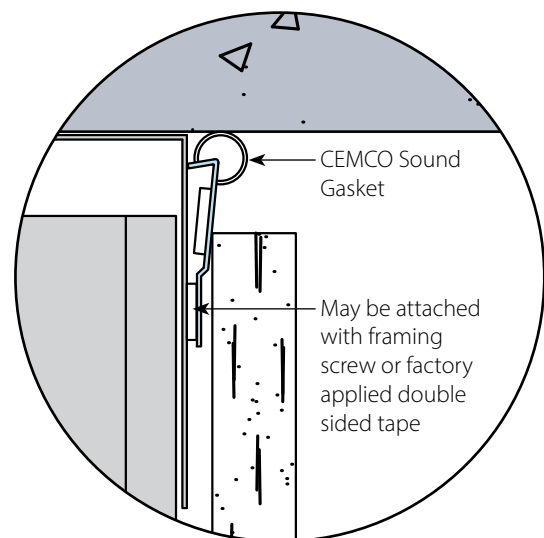
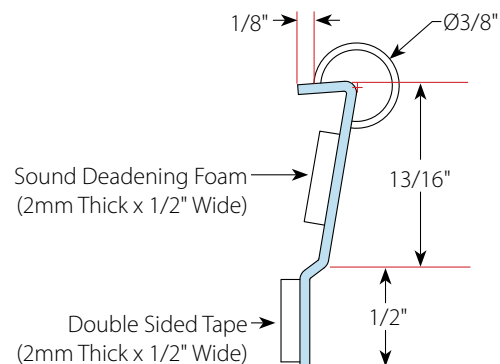
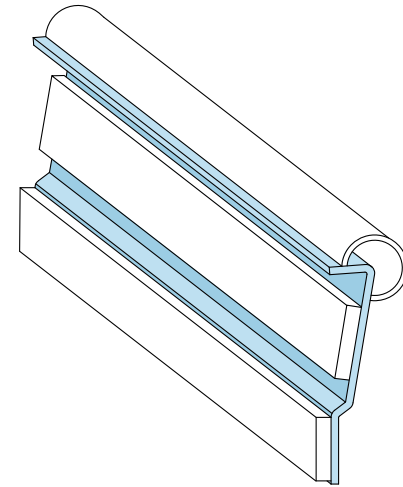
Packaging

Size (Length)	Pcs/Ctn	Ft/Ctn	Wt/Ctn (lbs)	Ctn/Plt
10' 0"	20	200'	--	96



← Scan or click
the code to view the
installation video!

Scan or click →
the code to view the
Joint Firestopping
Submittal Package
Catalog!



Channels

CEMCO's channels include furring channels, U-shaped channels, Z-furring channels, as well as single and double-leg resilient channels for sound control. Manufactured from high-quality hot-dipped galvanized steel, these accessories allow builders to add insulation products to both new and existing structures as well as increase structural integrity of walls in certain applications. CEMCO's new RC1-XD resilient channels are fast becoming the most demanded for both wall and floor/ceiling assemblies in high-end mid-rise and multi-family projects requiring STC's over 60.



Scan or click the code below to view the Premium Resilient Channel for High-Performance Sound Control Catalog



RC1 Resilient Channel (1/2" Height)

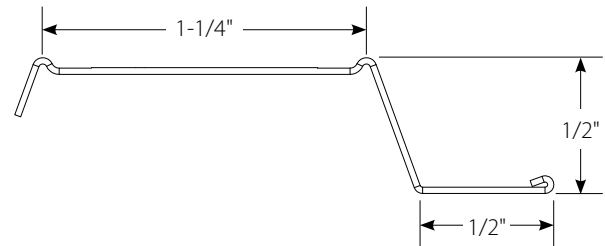
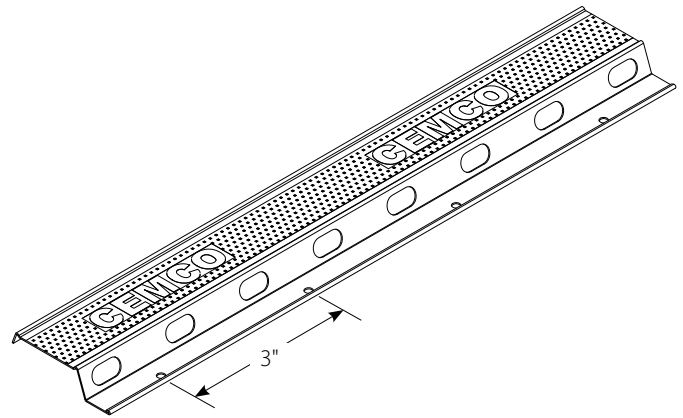
CEMCO's RC1 Resilient Channels are manufactured with a 1-1/4" top flange, and a 1/2" nailing/screw attachment flange, giving the channel 1/2" furring height from the face of the wall stud. RC1 is produced from hot-dipped galvanized steel in standard G40 coating weight. G60 is available upon special request.

Steel Thickness

Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
18	0.0188 (0.48mm)	0.0179 (0.46mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on 2012 AISI.



RC1-XD (Xtra-Duty) Resilient Channel (1/2" Height)

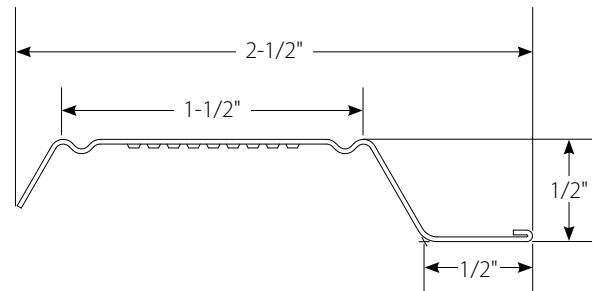
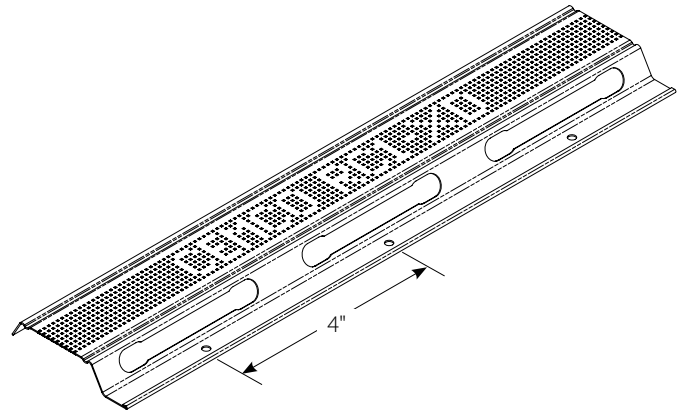
CEMCO's RC1-XD (Xtra-Duty) Resilient Channel is manufactured from 22 mil thick G40 steel with a large 1-1/2" top screw flange, 1/2" bottom flange for nailing/screwing into wood/steel studs providing a full 1/2" furring height. Standard coating is G40, G60 available upon special request.

Steel Thickness

Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
22	0.023 (0.59 mm)	0.0232 (0.589 mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on 2012 AISI.



7/8" Furring Channel

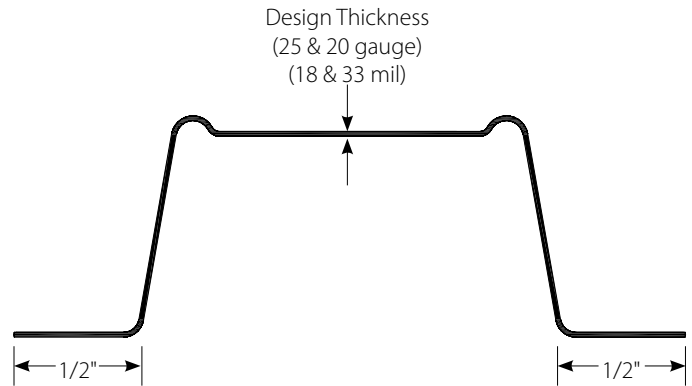
Hat-shaped Furring (F) Channels are fabricated in 7/8" height with 1/2" flanges. All CEMCO furring channels are produced from hot-dipped galvanized steel in standard G40 coating weight. G60 and G90 are available upon special request.

Steel Thickness

Product Code	Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
087F125-18	18	0.0188 (0.48mm)	0.0179 (0.46mm)
087F125-33	33	0.0346 (0.88mm)	0.0329 (0.83mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A4.3 of the AISI S100-2007.



1-1/2" Furring Channel

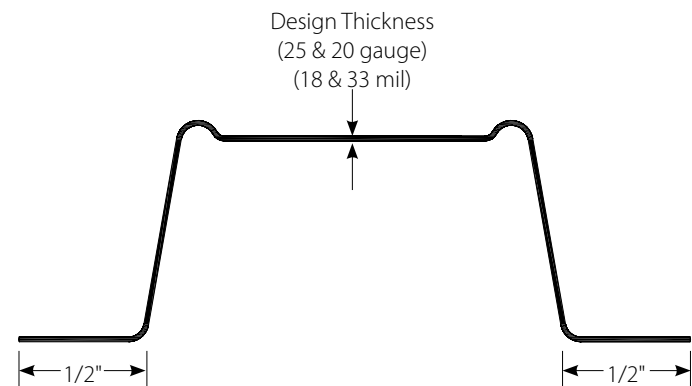
Hat-shaped Furring (F) Channels are fabricated in 1-1/2" height with 1/2" flanges. All CEMCO furring channels are produced from hot-dipped galvanized steel in standard G40 coating weight. G60 and G90 are available upon special request.

Steel Thickness

Product Code	Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
150F125-18	18	0.0188 (0.48mm)	0.0179 (0.46mm)
150F125-33	33	0.0346 (0.88mm)	0.0329 (0.83mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A4.3 of the AISI S100-2007.

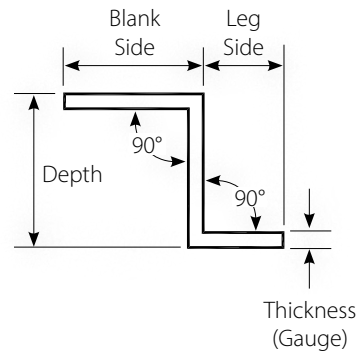
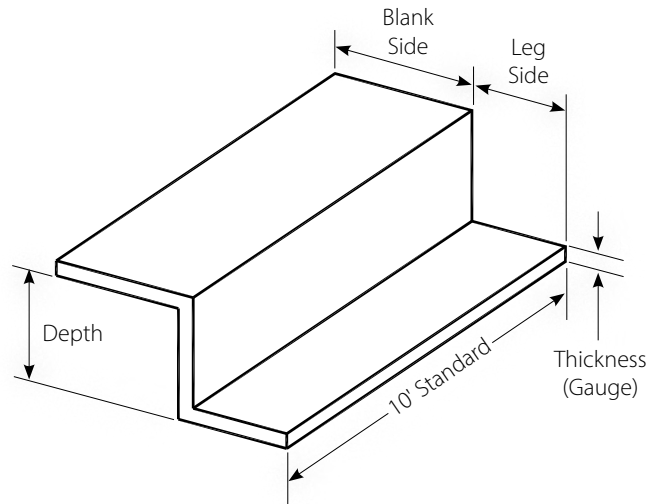


Z-Furring Channel

CEMCO's Z-Furring Channels are fabricated from hot-dipped galvanized steel complying with ASTM A653 with a minimum G40 coating meeting ASTM A924. The furring channels are fabricated in a variety of steel thicknesses (uncoated). Each channel is manufactured in various web depths and leg lengths (attachable flange). G60 and G90 coatings are available through special order and may require up-charges and extended lead times.

Steel Thickness

Product Code	Depth	Blank Side	Leg Side	Thickness (gauge)
25Z341114	1"	3/4"	1-1/4"	18 mil (25 ga)
20Z341114	1"	3/4"	1-1/4"	30 mil (20 ga)
25Z34112114	1-1/2"	3/4"	1-1/4"	18 mil (25 ga)
20Z34112114	1-1/2"	3/4"	1-1/4"	30 mil (20 ga)
20Z112112112	1-1/2"	1-1/2"	1-1/2"	30 mil (20 ga)
16Z112112112	1-1/2"	1-1/2"	1-1/2"	54 mil (16 ga)
25Z342114	2"	3/4"	1-1/4"	18 mil (25 ga)
20Z342114	2"	3/4"	1-1/4"	30 mil (20 ga)
25Z34212114	2-1/2"	3/4"	1-1/4"	18 mil (25 ga)
20Z34212114	2-1/2"	3/4"	1-1/4"	30 mil (20 ga)



"U" – UN-PUNCHED U-SHAPED CHANNELS

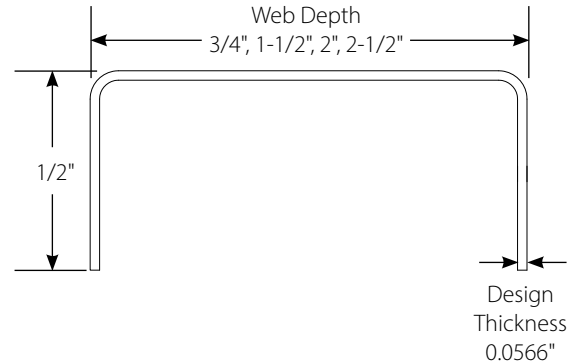
"U" channels are fabricated in 3/4", 1-1/2", 2", and 2-1/2" widths with 1/2" legs. All CEMCO U-Shaped channels are produced from hot-dipped galvanized steel in standard G60 coating weight. G90 is available upon special request.

Steel Thickness

Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}
54	0.0566 (1.44 mm)	0.0538 (1.37 mm)

Notes:

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel.
2. Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A4.3 of the AISI S100.



Metal Lath & Plastering Accessories

CEMCO offers one of the broadest product offerings in the metal lath and plastering industry. CEMCO's exterior plastering accessories are popular in 1 and 3-coat exterior stucco systems. CEMCO's diamond-mesh lath products are also specified in premium interior floor finish systems as well as high-end countertops. Coupled with the RC1-XD resilient channels, many of these high-end floor systems exceed STC's of 60, IIC's of 60, and HIIC's of 80.



Scan or click the code below to view the Metal Lath and Water Management Products Catalog

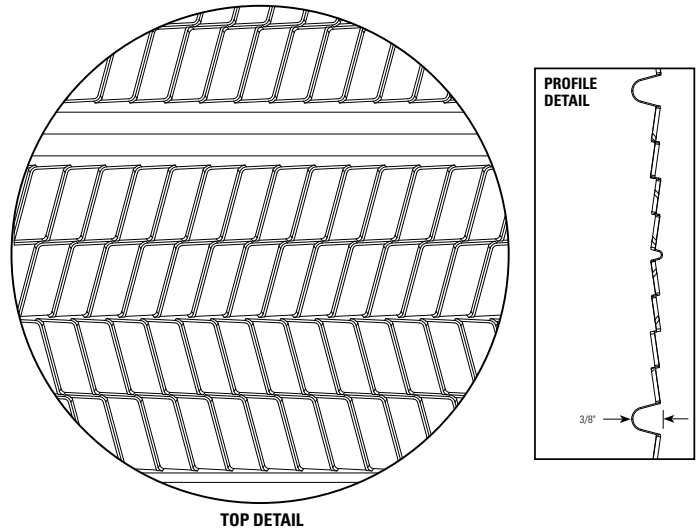


3/8" Hi-Rib Lath

CEMCO's 3/8" Hi-Rib Lath is the most rigid of all metal laths. With full 3/8" ribs longitudinally spaced at 4" apart between each 3/8" rib with a 1/8" rib. Hi-Rib lath is able to span up to 24" on center. This lath can be used in both vertical and horizontal applications. Please consult CEMCO's Technical Services for specifics. CEMCO 3/8" Hi Rib lath is fabricated from 0.015-inch-thick in standard G60 hot-dipped galvanized steel. G90 is available upon special request.

Packaging

Sheet Size	Pieces/ Bundle	Yards/ Bundle	Yards/ Pallet	Bundle/ Pallet
27.5" x 96"	10	20	1000	50

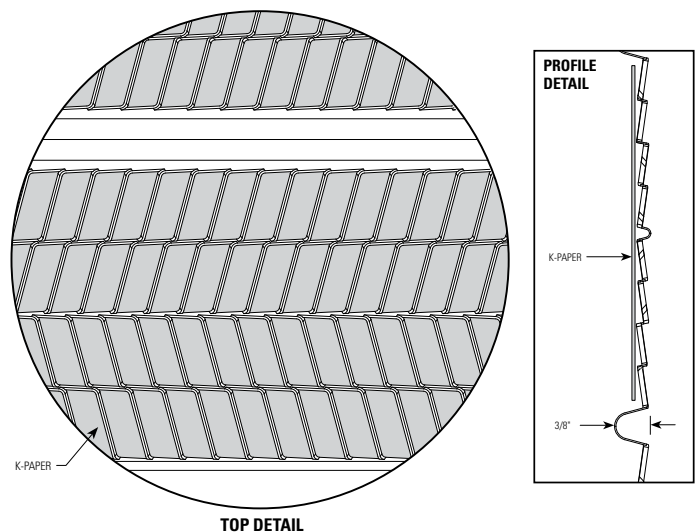


3/8" Hi-Rib Lath with K-Paper

CEMCO's 3/8" Hi-Rib Lath is available with 3" strips of K-Paper attached to the spaces between the 3/8" ribs to minimize blow through of plaster when machine applied. This lath can be used in both vertical and horizontal applications. CEMCO 3/8" Hi-Rib w/ K-Paper is fabricated from 0.015-inch-thick in standard G60 hot-dipped galvanized steel. G90 is available upon special request.

Packaging

Sheet Size	Pieces/ Bundle	Yards/ Bundle	Yards/ Pallet	Bundle/ Pallet
27.5" x 96"	10	20	1000	50

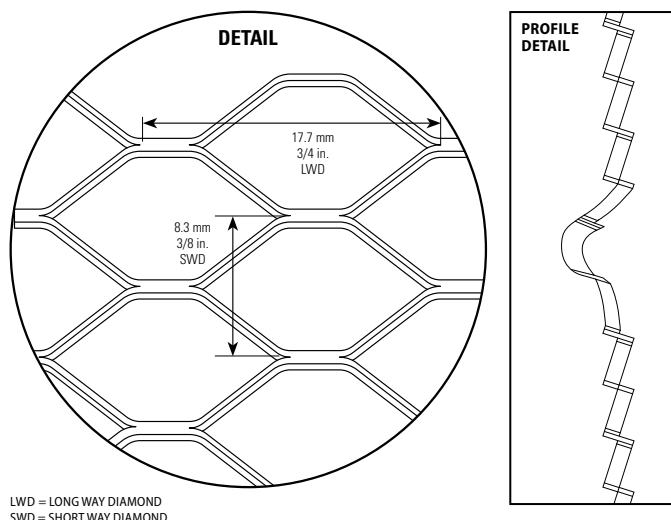


Self-Furring Dimpled Lath

CEMCO's Self Furred Diamond Metal Lath "Dimpled" is manufactured with 1/4" dimples in the lath. The dimples provide the necessary minimum 1/4" furring off the sheathing's surface to allow for proper embedment and keying of the scratch coat on all types of walls. CEMCO Self-Furring Dimpled metal lath is produced from standard G60 hot-dipped galvanized steel. G90 is available upon special request. 50 bundles per pallet.

Packaging

Weight per Square Yard (lb/yd ²)	Minimum Thickness	Sheet Size	Pieces / Bundle	Yards / Pallet
2.5	0.0175"	27.5" x 97"	10	500
3.4	0.0231"	27.5" x 97"	10	500

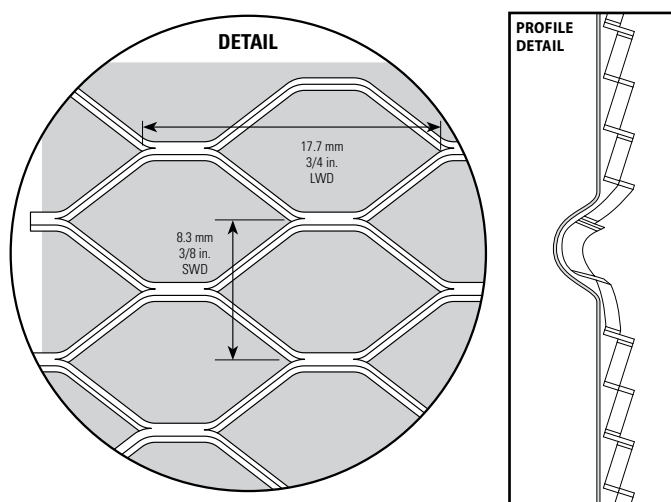


Self-Furring Dimpled Lath with D-Paper

CEMCO's Self Furred Diamond Metal Lath "Dimpled" is available with Grade D asphalt paper backing. A saturated black asphalt paper complying with Federal Spec. No. UUB-790A Style 2 Grade D. Manufactured with a 3" lap for weathered application. CEMCO Self-Furring Dimpled with D-paper metal lath is produced from standard G60 hot-dipped galvanized steel. G90 is available upon special request. 25 bundles per pallet.

Packaging

Weight per Square Yard (lb/yd ²)	Minimum Thickness	Sheet Size	Pieces / Bundle	Yards / Pallet
2.5	0.0175"	27.5" x 97"	10	500
3.4	0.0231"	27.5" x 97"	10	500

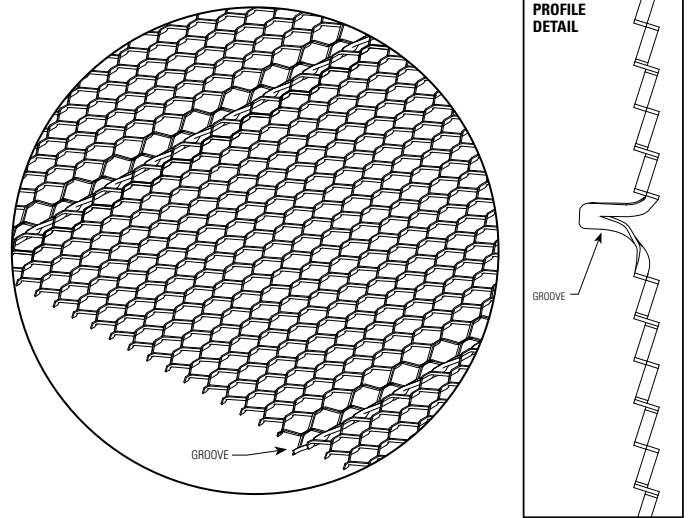


Self-Furring Grooved Lath

CEMCO's Self Furred Diamond Metal Lath "Grooved" is manufactured with 5 "V"-grooves in the lath in lieu of standard "dimples." These 5 grooves provide the necessary 1/4" furring off the sheathing's surface to allow for proper embedment and keying of the scratch coat on all types of walls. CEMCO Self-Furring Grooved metal lath is produced from standard G60 hot-dipped galvanized steel. G90 is available upon special request. 50 bundles per pallet.

Packaging

Weight per Square Yard (lb./yd ²)	Minimum Thickness	Sheet Size	Pieces / Bundle	Yards / Pallet
2.5	0.0175"	27.5" x 97"	10	500
3.4	0.0231"	27.5" x 97"	10	500

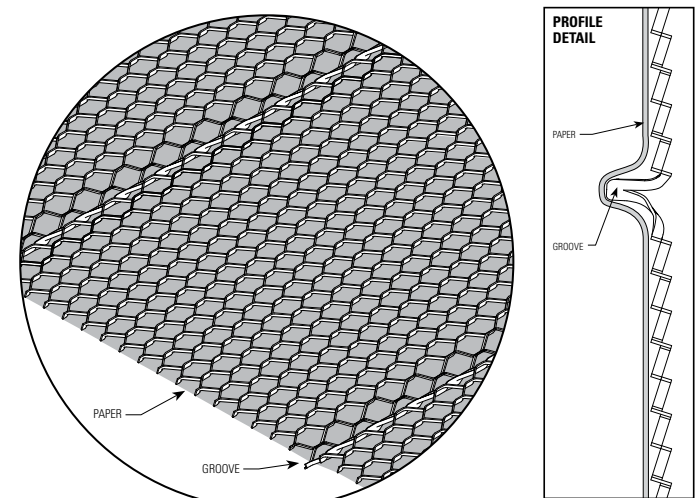


Self-Furring Grooved Lath with D-Paper

CEMCO's Self Furred Diamond Metal Lath "Grooved" is available with Grade D asphalt paper backing. A saturated black asphalt paper complying with Federal Spec. No. UUB-790A Style 2 Grade D. Manufactured with a 3" lap for weathered application. CEMCO Self-Furring Grooved w/ D-Paper metal lath is produced from standard G60 hot-dipped galvanized steel. G90 is available upon special request. 25 bundles per pallet.

Packaging

Weight per Square Yard (lb./yd ²)	Minimum Thickness	Sheet Size	Pieces / Bundle	Yards / Pallet
2.5	0.0175"	27.5" x 97"	10	500
3.4	0.0231"	27.5" x 97"	10	500

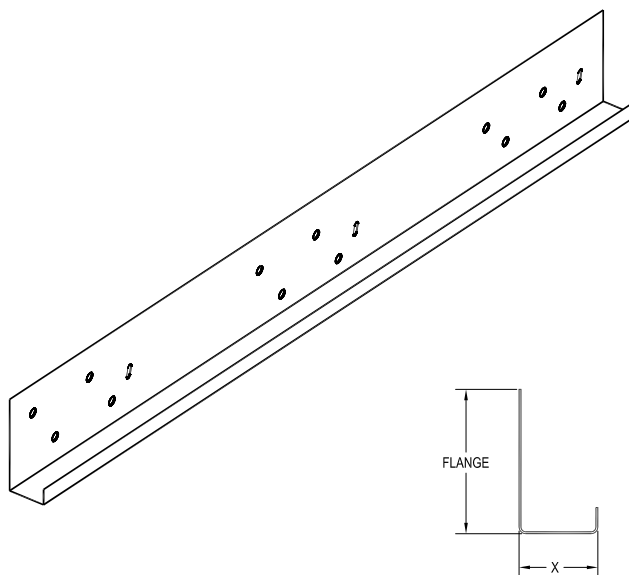


#66 Short-Flange Casing Bead

CEMCO's #66 Short-Flange Metal Casing Bead has a short 90-degree turn at the plaster surface for a clean and neat finish at the end of a wall or when adjoining dissimilar material. This product is manufactured with a slight arch in the 1-1/4" long nailing flange to ensure a tight fit. #66 is manufactured from 26 gauge standard G60 hot-dipped galvanized steel. G90 is available upon special request.

Packaging

Size (X)	Pcs/ Carton	Length (ft)	Ft/Ctn	Wt/Ctn (lbs)	Ctns/ Plt
3/8"	30	10'	300'	52	30
1/2"	30	10'	300'	59	30
3/4"	30	10'	300'	60	30
7/8"	30	10'	300'	62	30
1"	30	10'	300'	64	30
1-1/4"	30	10'	300'	68	30

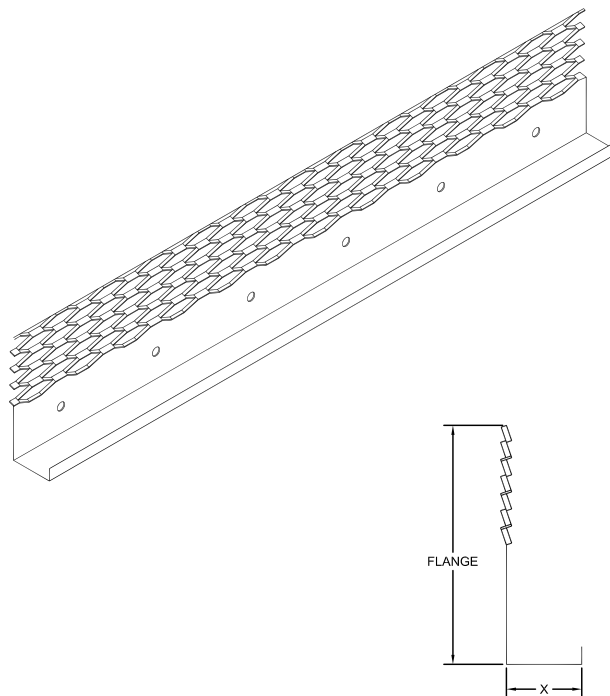


#66 Expanded-Flange Casing Bead

CEMCO's #66 Expanded-Flange Casing Bead formed to a 90° for applications at inside corners. Absorbs movement due to expansion and contraction of plastered walls. Provided with an expanded flange for proper keying and easy application. #66 Expanded Flange Casing Bead is fabricated from 26 Gauge galvanized steel in standard G60. G90 coating is available upon request.

Packaging

Size (X)	Flange Size (in)	Pcs./ Carton	Length (ft)	Ft/ Ctn	Wt/Ctn (lbs)	Ctns/Plt
1/4"	2-5/8"	30	10'	300'	42	42
3/8"	2-5/8"	30	10'	300'	48	42
1/2"	2-5/8"	30	10'	300'	55	42
3/4"	2-5/8"	30	10'	300'	58	42
7/8"	2-5/8"	30	10'	300'	62	42
1"	2-5/8"	30	10'	300'	64	42
1-1/4"	2-5/8"	30	10'	300'	68	42

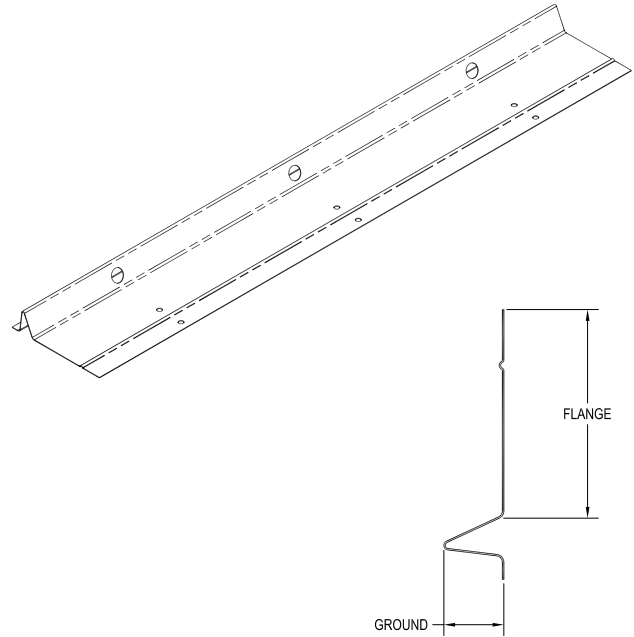


#7 Foundation Sill Screed

CEMCO's #7 Foundation Sill Screed is commonly known as FHA Screed due to its meeting of FHA requirements. Nails or stapled to the sill plate provides a straight line stucco stop. Manufactured with 1/2" holes, the sill screed allows for water and moisture to weep from the exterior plaster system and away from the structure. #7 sill screed is fabricated from 26 ga. G60 hot-dipped galvanized steel. G90 coating is available upon request.

Packaging

Size	Ground (in)	Flange Size (in)	Length (ft)	Pcs/Bdl	Pcs/Plt
5-1/2"	1/2" 5/8" 3/4" 7/8" 1-3/8"	3-1/2"	10'	10	1000

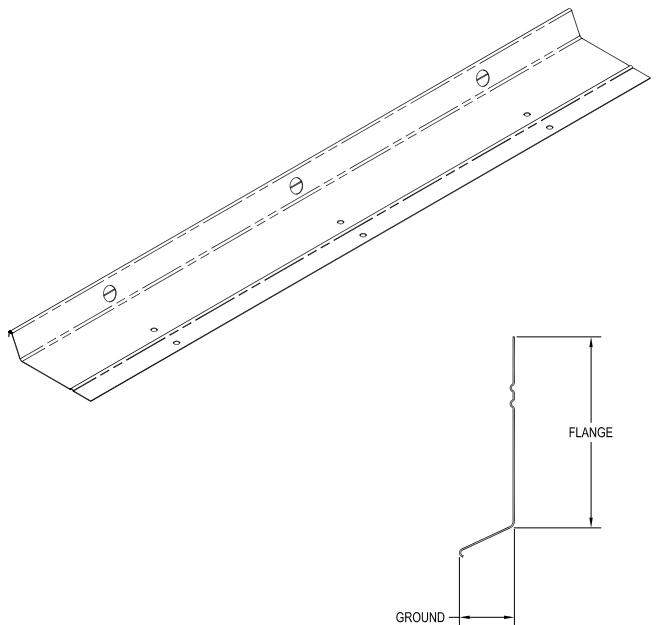


#36 Foundation Sill Screed

CEMCO's #36 Foundation Sill Screed is manufactured in 7/8" ground WITH 1/2" weep holes for drainage. The lack of a full-return on the bottom allowing for trowel access to clean access stucco material, leaving no visible metal below the stucco finish line. #36 sill screed is fabricated from 26 ga., G60 hot-dipped galvanized steel. G90 coating is available upon request.

Packaging

Size	Ground (in)	Flange Size (in)	Length (ft)	Pcs/Bdl	Pcs/Plt
5-1/2"	7/8"	3-1/2"	10'	10	1000

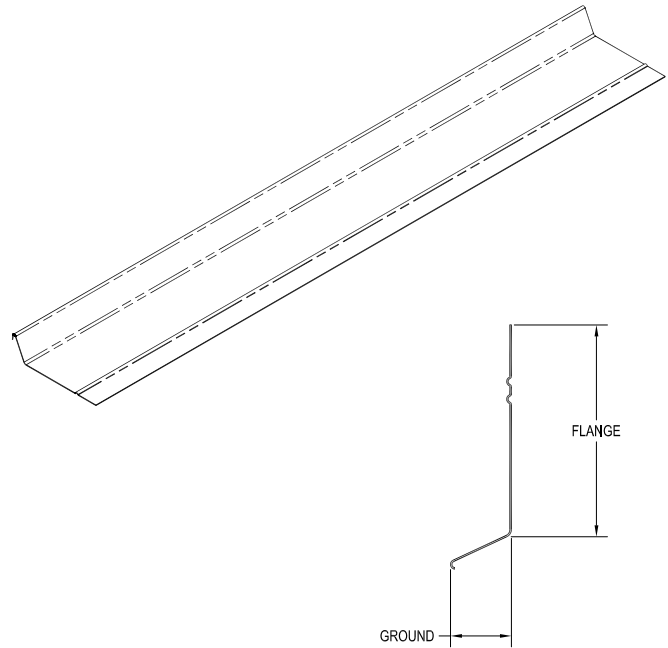


#34 Foundation Sill Screed

#34 Foundation Sill Screed is identical to CEMCO's #36 sill screed but without the 1/2" drainage holes. Offered in 7/8" ground, No. 34 sill screed is fabricated from 26 ga., G60 hot-dipped galvanized steel. G90 coating is available upon request.

Packaging

Size	Ground (in)	Flange Size (in)	Length (ft)	Pcs/ Bundle	Pcs/ Plt
5-1/2"	7/8"	3-1/2"	10'	10	1000

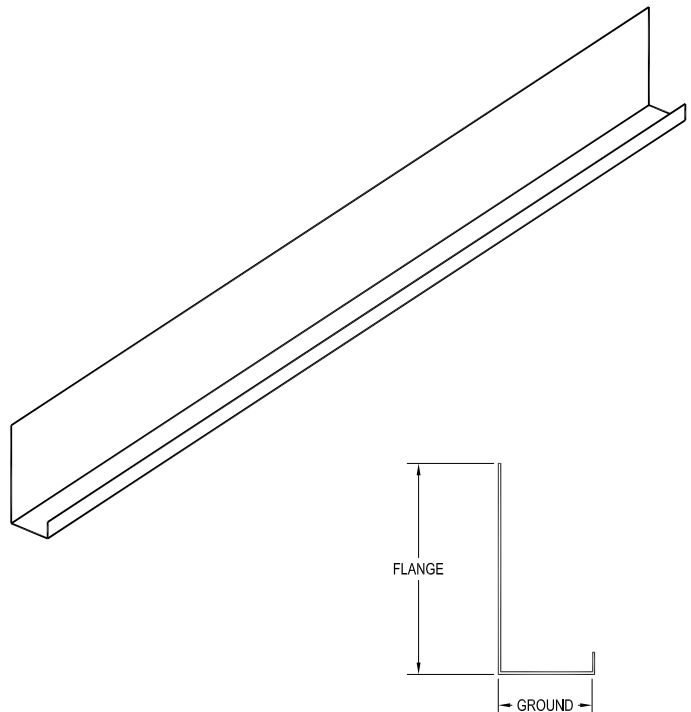


J-Metals

"J" Metal products are manufactured in various grounds (depths) to be used with a variety of polystyrene or foam insulation boards for exterior purposes. "J" Metal also provides for a workable screed around doors and windows. "J" Metal can also be ordered with holes and be used in some applications as a weep screed, and with a short flange (1-3/4") or long-flange (3-1/2"). CEMCO's J-Metal is fabricated from 26 ga., G60 hot-dipped galvanized steel. G90 coating is available upon request.

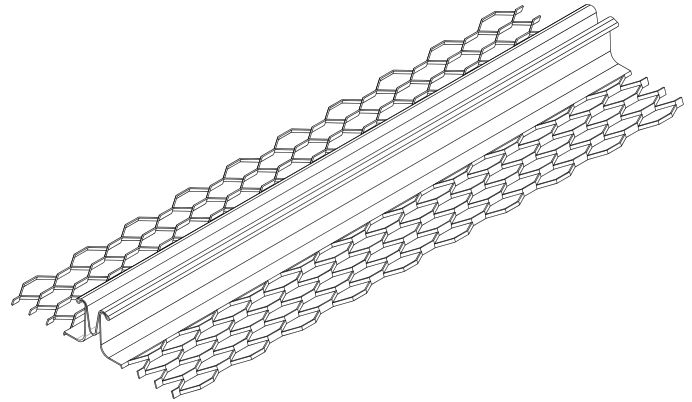
Packaging

Gauge	Ground (in)	Flange Size (in)	Wt./Mlf (lbs)	Pcs/ Bundle	Bdls/Plt
26	7/8"	1-3/4"(SF)	161	10	50
26	1-3/8"	1-3/4"(SF)	208	10	50
26	3/8"	3-1/2"(LF)	238	10	50
26	1/2"	3-1/2"(LF)	245	10	50
26	3/4"	3-1/2"(LF)	267	10	50
26	7/8"	3-1/2"(LF)	281	10	50
26	1-3/8"	3-1/2"(LF)	316	10	50



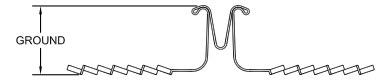
Double "J" (#XJ-15) Control Joint

Double "J" (XJ-15) Control Joint relieves stresses and strains in large plaster walls and ceilings. This product has expanded flanges for proper keying and easy application. Its unique design permits the plaster to key underneath the rolled edges for added adhesion while the walls expand and contract under typical conditions. The pull tape on the joint itself permits a clean finish when removed after the finish coat. CEMCO's Double "J" Control Joint is manufactured from 26 ga. G60 hot-dipped galvanized steel by Niles and distributed by CEMCO. G90 is also available upon special request.



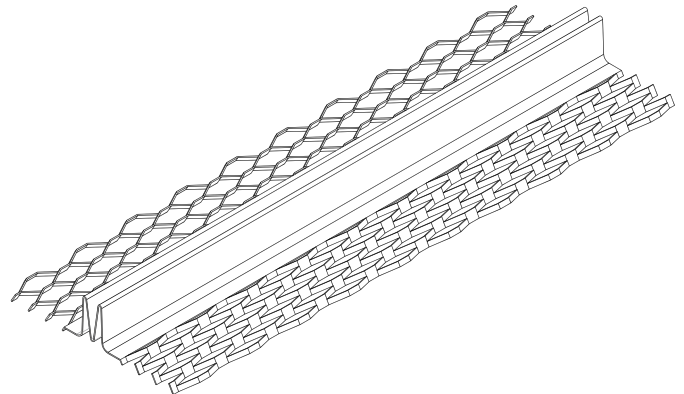
Packaging

Ground (Depth)	Pcs/ Carton	Length (ft)	Ft/Ctn (ft)	Wt/Ctn (lbs)	Ctns/Plt
1/2"	24	10'	240'	74	40
3/4"	24	10'	240'	80	40
7/8"	24	10'	240'	84	40



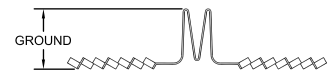
Double "V" (#15) Control Joint

Double "V" (#15) Control Joint relieves stresses and strains in large plaster walls and ceilings. This inconspicuous product provides a clean and neat joint in exterior applications. This product has expanded flanges for proper keying and easy application. CEMCO's Double "V" Control Joint is manufactured from 26 ga., G60 hot-dipped galvanized steel by Niles and distributed by CEMCO. G90 is also available upon special request.



Packaging

Ground (Depth)	Pcs/ Carton	Length (ft)	Ft/Ctn (ft)	Wt/Ctn (lbs)	Ctns/Plt
1/4"	24	10'	240'	45	42
3/8"	24	10'	240'	48	42
1/2"	24	10'	240'	74	40
3/4"	24	10'	240'	80	40
7/8"	24	10'	240'	84	40

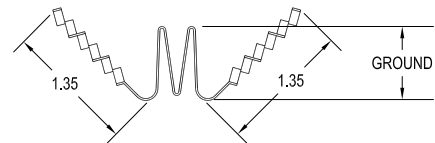
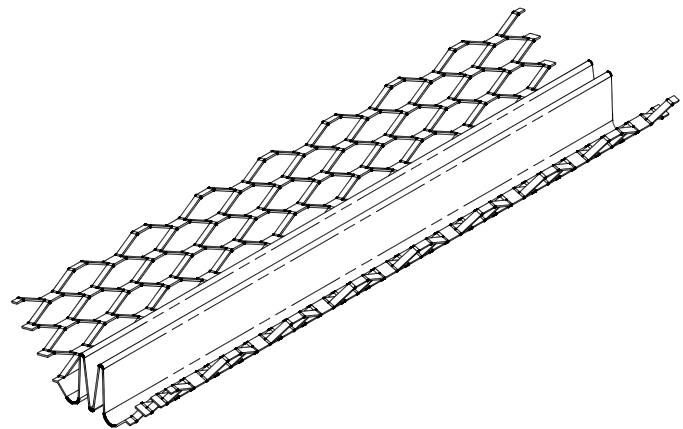


#30 Corner Control Joint

#30 corner expansion joint is a Double-V expansion joint formed to a 90° for applications at inside corners. Absorbs movement due to expansion and contraction of plastered walls. Provided with an expanded flange for proper keying and easy application. #30 is manufactured from 26 ga., G60 hot-dipped galvanized steel. G90 is also available upon special request.

Packaging

Ground (Depth)	Pcs/ Carton	Length (ft)	Ft/Ctn (ft)	Wt/Ctn (lbs)	Ctns/ Pallet
1/2"	24	10'	240'	66	40
3/4"	24	10'	240'	74	40
7/8"	24	10'	240'	83	40
3/4"	24	10'	240'	80	40
7/8"	24	10'	240'	84	40

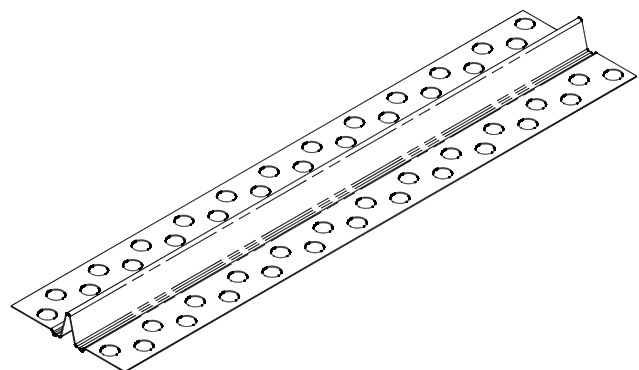


#093 Zinc Control Joint

.093 true-zinc control joint is perfect for interior high-end plaster applications, allowing for controlled expansion of the ceiling or wall finish. Made from high quality 26 ga. zinc, and formed to exacting tolerances, the .093 bead has a tape protected expansion trough to provide for crisp and clean finishes in both plaster and veneer finishes. CEMCO's .093 control joint is manufactured by Niles and distributed by CEMCO.

Packaging

Ground	Length	Pcs/Ctn	Ft/Ctn	Wt/Ctn (lbs)	Ctns/ Plt
0.478"	10'	25	250'	66	40



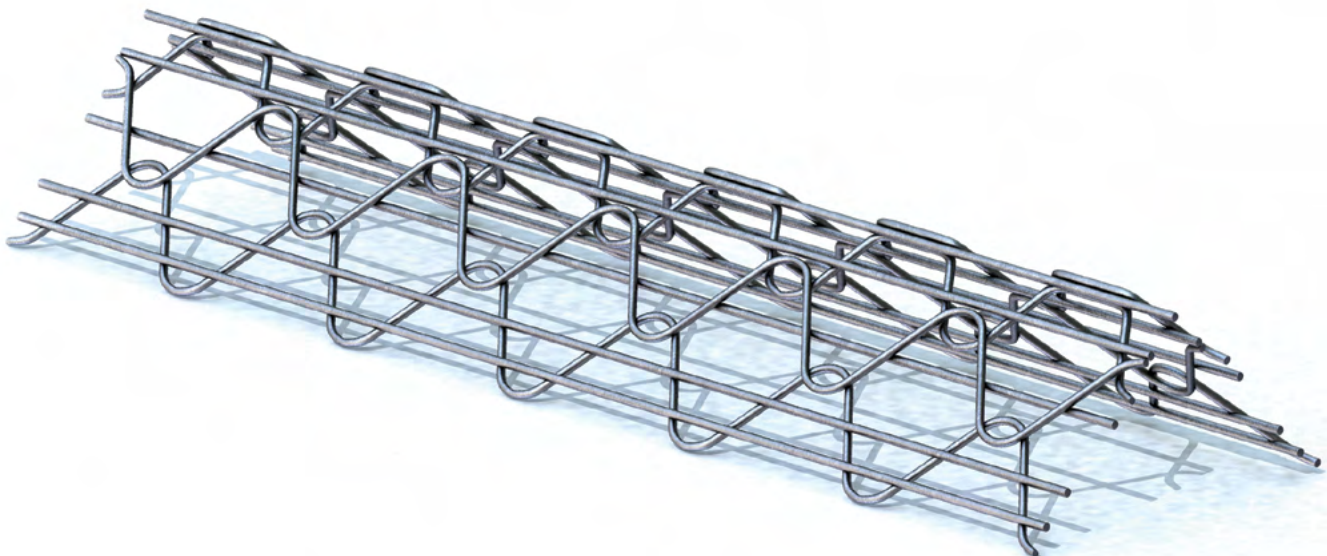
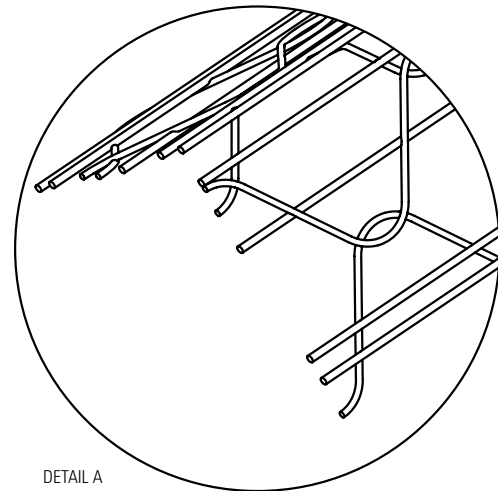
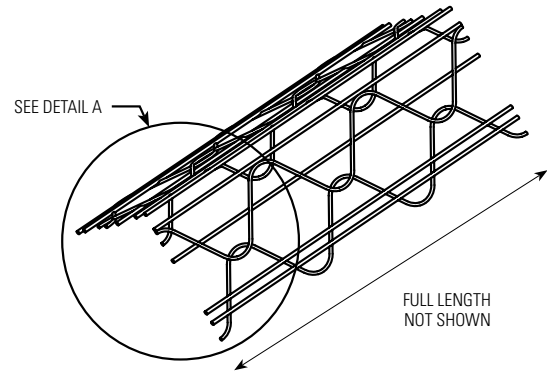
CEMCORNER

CEMCORNER is used as an exterior corner reinforcement that has a nailing strip along both sides for faster installation and straighter corners. CEMCORNER was designed so that it is easier for Portland cement plaster to flow into the nose of the CEMCORNER. CEMCORNER is fabricated from 17.5 GA. [0.054 inch diameter] galvanized welded-wire. CEMCORNER is available in the following configurations:

- Straight
- Straight Arch
- Straight Shortflange
- Bullnose
- Bullnose Arch
- Bullnose Shortflange

Packaging

Product	Length (ft)	Foot/Carton	Cartons/Pallet
Straight	8'	320	24
Straight	9'	360	24
Straight	10'	400	24
Straight Arch	10'	400	24
Straight Shortflange	10'	400	24
Bullnose	8'	320	24
Bullnose	9'	360	24
Bullnose	10'	400	24
Bullnose Arch	10'	400	24
Bullnose Shortflange	10'	400	24

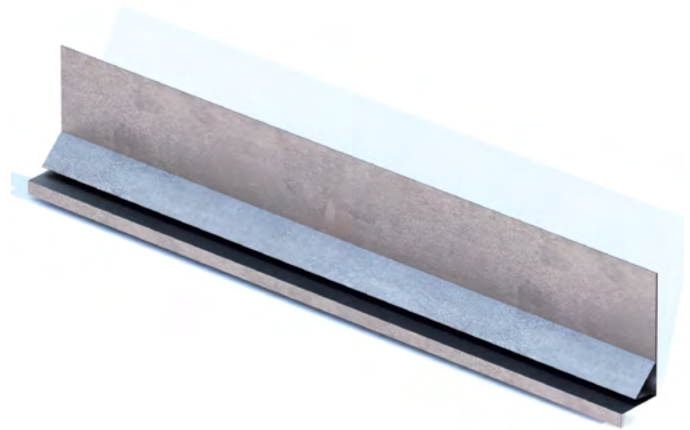


#3 Flashing Screed

The #3 FLASHING SCREED is manufactured for applications above windows, doors and vents on exterior plaster walls. The #3 Flashing Screed consists of a combined single piece 45° weep screed, for drainage, and a Z flashing for window head protection. Available with or without weep holes. The #3 Flashing Screed is fabricated from minimum 0.018-inch thick hot-dipped galvanized steel having a minimum G-90 coating.

Packaging

Size	Pcs/Bdl	Length (ft)	Ft/Bdl (ft)	Wt/Bdl (lbs)	Pcs/Plt
7/8"	10	10'	100	69	250

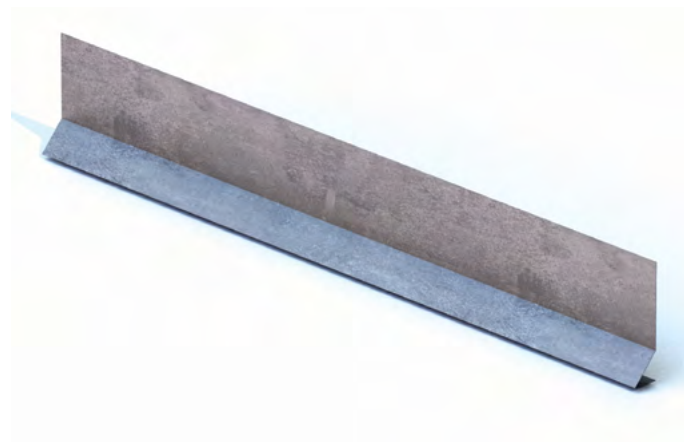


#6 Head Drip Screed

The #6 HEAD DRIP SCREED is manufactured for application above windows, doors, base of walls, and vents on exterior plaster walls. The 45° slope allows water to weep out of the assembly, and the 90° return provides a 3/4-inch solid metal leg for sealant application from stucco assembly to dissimilar materials. #6 Head/Foundation Drip Screed is fabricated from minimum 0.018-inch thick hot-dipped galvanized steel having a minimum G-90 coating.

Packaging

Size	Pcs/Bdl	Length (ft)	Ft/Bdl (ft)	Wt/Bdl (lbs)	Pcs/Plt
3/4"	20	10'	200	84	30
7/8"	20	10'	300	84	30

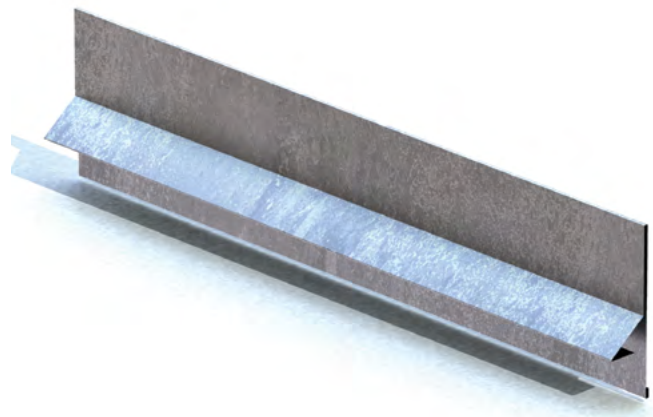


#7 Extended Foundation Screed

The #7 EXTENDED FOUNDATION SCREED provides an additional layer of 25 ga. G90 metal to protect waterproof deck membranes at the base wall from U.V. degradation. The #7 EXTENDED FOUNDATION SCREED is fabricated from minimum 0.018-inch thick hot-dipped galvanized steel having a minimum G-90 coating.

Packaging

Size	Pcs/Bdl	Length (ft)	Ft/Bdl (ft)	Wt/Bdl (lbs)	Pcs/Plt
7/8"	10	10'	100	76	250

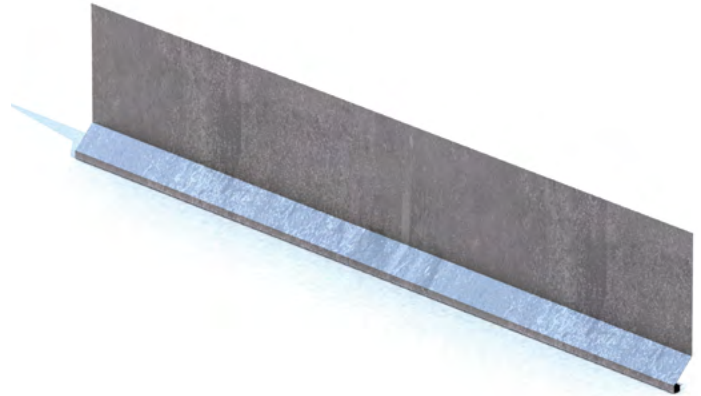


#12 Soffit Drip Edge

The #12 SOFFIT DRIP EDGE is manufactured for soffit and recessed windows head application. The 45° slope allows water to weep out of the assembly. The Drip edge provides a place for water to drip from rather than travel back along the soffit. The #12 SOFFIT DRIP EDGE fabricated from minimum 0.018-inch thick hot dipped galvanized steel having a minimum G-90 coating.

Packaging

Size	Pcs/Bdl	Length (ft)	Ft/Bdl (ft)	Wt/Bdl (lbs)	Pcs/Plt
3/4"	20	10'	100	38	250
7/8"	20	10'	100	38	250

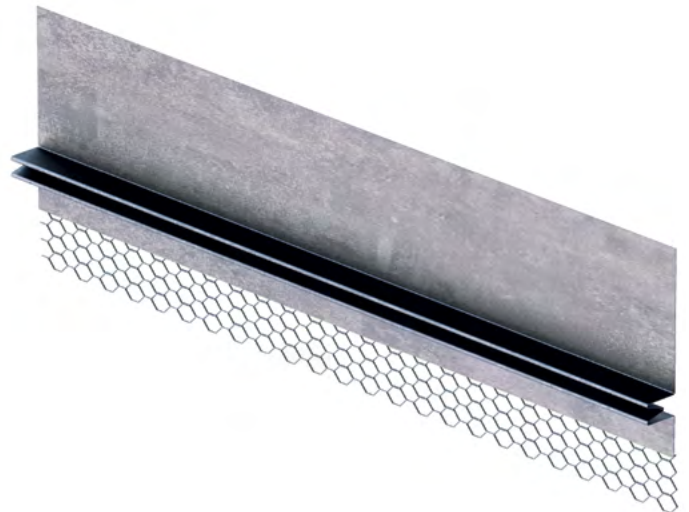


#15 Solid Leg Control Joint

The #15 SOLID LEG CONTROL JOINT is manufactured for horizontal application on exterior plaster walls. The .30" gap in the V groove is designed to allow movement due to horizontal expansion and contraction of plastered walls. The 5" x 3/4" horizontal control joint has a 3" long upper solid flange that allows for water to weep out of the stucco cavity and a 1.5" long lower expanded metal flange that allows proper keying of plaster. The #15 Solid Leg Control Joint is fabricated from minimum 0.018-inch thick hot-dipped galvanized steel having a minimum G90 coating.

Packaging

Size	Pcs/Bdl	Length (ft)	Ft/Bdl (ft)	Wt/Bdl (lbs)	Pcs/Plt
3/4"	15	10'	200	84	30
7/8"	15	10'	300	84	30

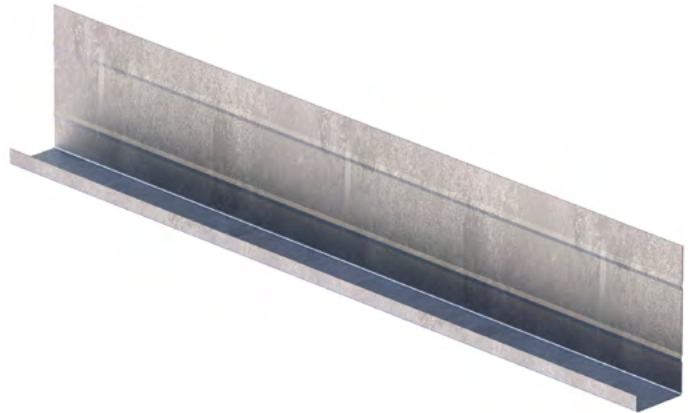


J-Series Casing Bead

The J-SERIES CASING BEAD is manufactured non-perforated to enable the casing bead to have solid flashing capabilities. J-Series Casing Bead is fabricated from minimum 0.018-inch thick hot-dipped galvanized steel having a minimum G-90 coating.

Packaging

J-Bead Flange Depth (A)	Ground Width (G)	Casing Bead Lip (F)
2-1/2"	3/4" & 7/8"	1/4" & 1/2"
3-1/2"	3/4" & 7/8"	1/4"

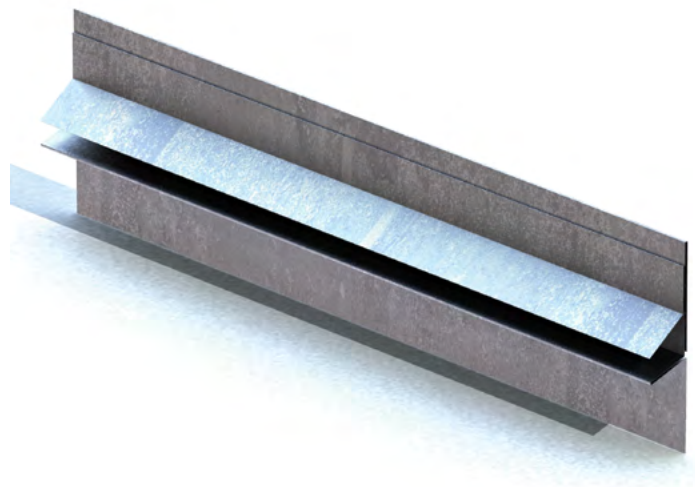


M-Slide Expansion Joint

The M-SLIDE EXPANSION JOINT is manufactured for application where movement is anticipated. The self-aligning two-piece design allows for 1-inch vertical movement while maintaining a watertight assembly for plaster walls. M-Slide expansion joint is fabricated from minimum 0.018-inch thick hot-dipped galvanized steel having a minimum G-90 coating.

Packaging

Size	Pcs/Bdl	Length (ft)	Ft/Bdl (ft)	Wt/Bdl (lbs)	Pcs/Plt
7/8"	10	10'	100	9.4	200



Composite Wall & Floor Sheathing Products



Sure-Board® for Shear is one of the industry's most popular solutions for both wall shear and floor diaphragm shear in multi-family and mid-rise projects. Commonly used with various gypsum wall panels, Sure-Board is also available in a thin 1/8" (Sure-Board 200W) that can be attached to wood framing using nails or screws. The 200S/F series, available with a 3/4" Magnesium Oxide (MgO) tongue-and-groove substrate, is perfect for any mid-rise or multi-family floor specified for a 1-, 2-, or 3-hour fire-rating



Scan or click the code below to view the Sure-Board Catalog



Sure-Board Series 200

Sure-Board® Series 200 for Steel Framing is a steel sheet and gypsum board composite product that is installed on steel framed shear walls at points requiring shear.



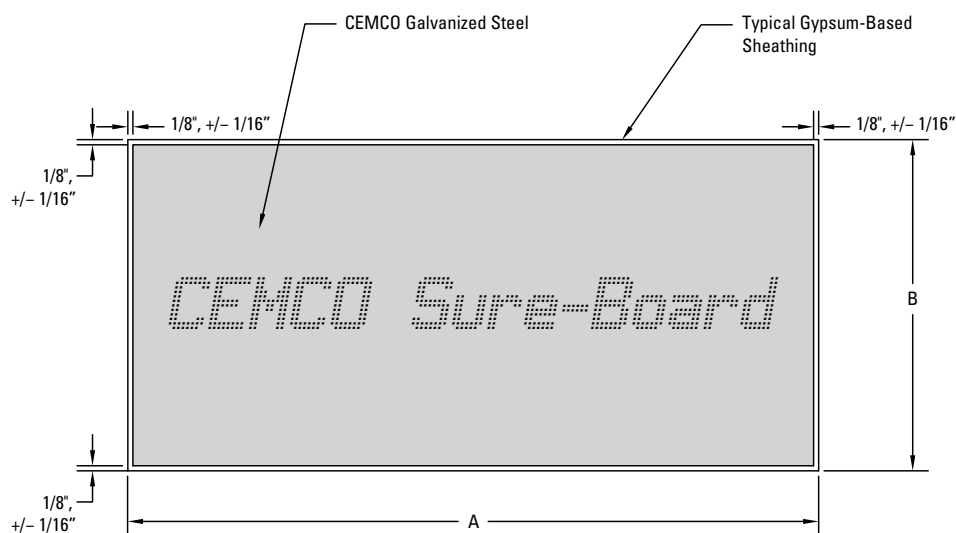
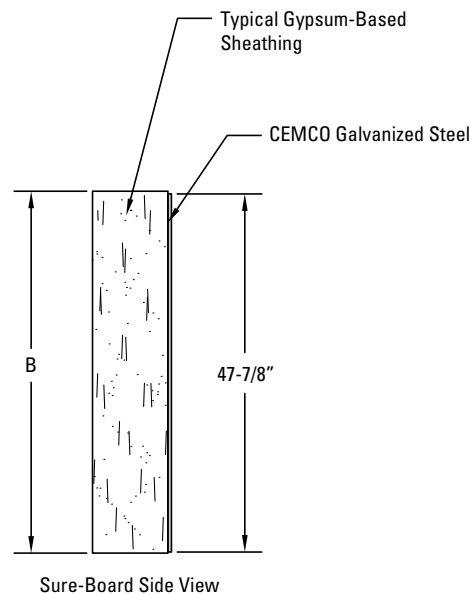
SURE-BOARD® For Shear

Steel Thickness

Length A (ft)	Width B (ft)	Sheathing Thickness (in)	Steel Thickness Gauge (mil)
8, 9, 10, & 12	48	1/2 to 3/4	22 (27)

Notes:

1. Requests for a specific brand of gypsum drywall must be made at the time of order.
2. Ordering certain specialty non-stock gypsum/cement board products, may result in extended lead-times.



Sure-Board Series 200W

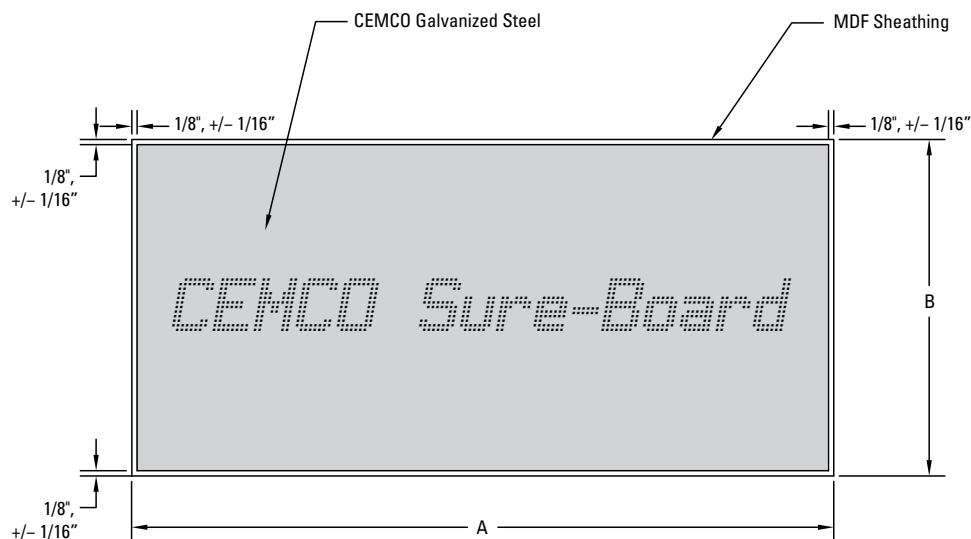
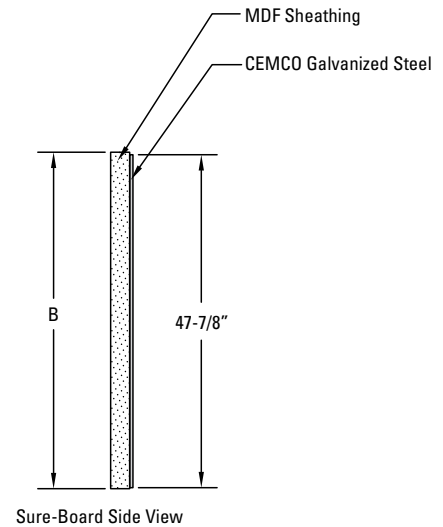
Sure-Board®W for Steel framing and Series 200W for Wood Framing are a steel sheet and medium density fiber board composite product that is installed on steel or wood framed shear walls at points requiring shear.

Steel Thickness

Length A (ft)	Width B (ft)	Sheathing Thickness (in)	Steel Thickness Gauge (mil)
8, 9, 10, & 12	48	1/8	22 (27)



SURE-BOARD® For Shear



Sure-Board Series 200S-F (Floor & Flat-Roof)

Sure-Board® for Shear Series 200S-F (Floor & Flat-Roof) panels are 3/4" x 48" x 48" fiber cement panels backed with 33 mil (20 gauge) thick sheet of hot-dipped G40 galvanized steel for use in fire-rated floor sheathing assemblies. Each panel has a 2" overhang of steel to provide for backing at horizontal joints. G60 and G90 coated steel is available upon special request only, and will incur extended lead-times and delivery.

Steel Thickness

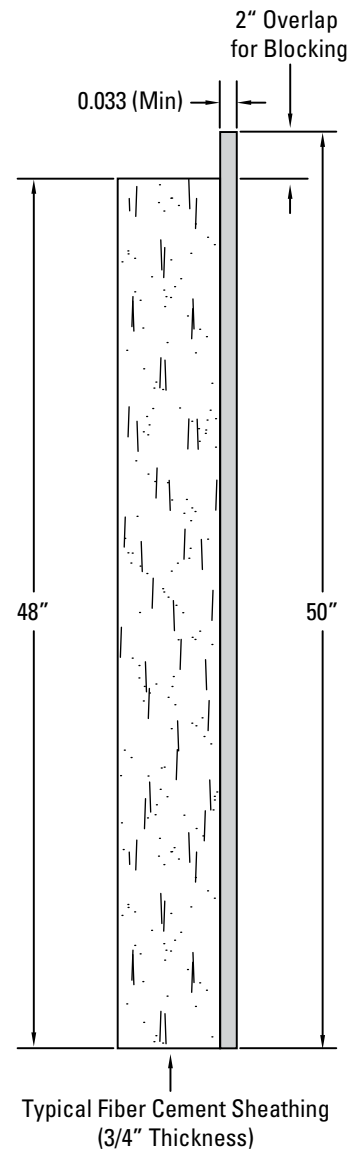
Thickness (mil)	Design Thickness (in) ¹	Minimum Thickness (in) ^{1,2}	Yield (ksi)	Panel Sizes (in)
33	0.0346	0.0329	33	3/4" x 48" x 48"

Notes:

1. Uncoated steel thickness. Thickness is for carbon steel.
2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on section A4.3 of the AISI S100-2012



SURE-BOARD® For Shear







Expanding Your Solutions

Corporate Headquarters

13191 Crossroads Parkway North, Suite 325, City of Industry, CA 91746

P: 800.775.2362 | **F:** 626.330.7598

Southern California Manufacturing Facility

263 North Covina Lane, City of Industry, CA 91746

P: 800.775.2362 | **F:** 626.330.7598

Northern California Manufacturing Facility

1001-A Pittsburg Antioch Hwy, Pittsburg, CA 94565

P: 925.473.9340 | **F:** 925.473.9341

Denver Colorado Manufacturing Facility

490 Osage Street, Denver, CO 80204

P: 303.572.3626 | **F:** 303.572.3627

Fort Worth Texas Manufacturing Facility

8600 Will Rogers Blvd, Fort Worth, TX 76140

P: 817.568.1525 | **F:** 817.568.2759

www.cemcosteel.com

