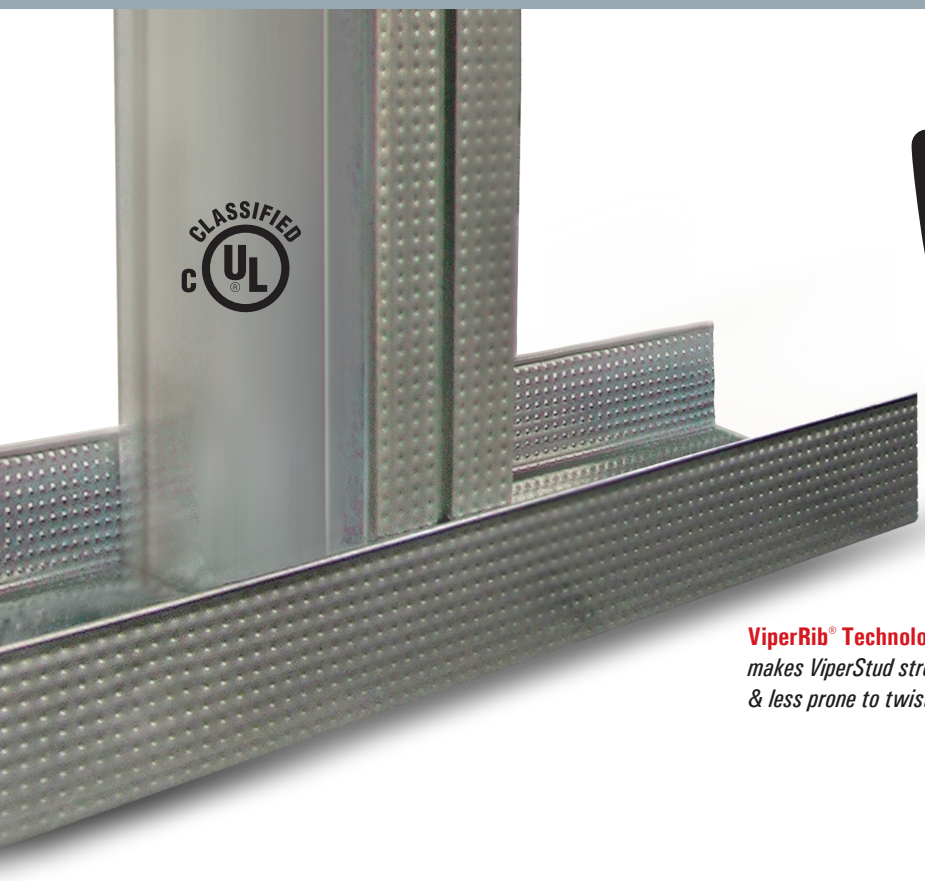
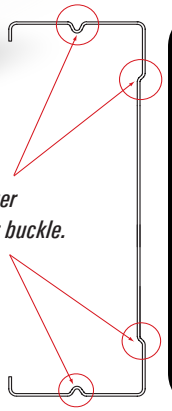
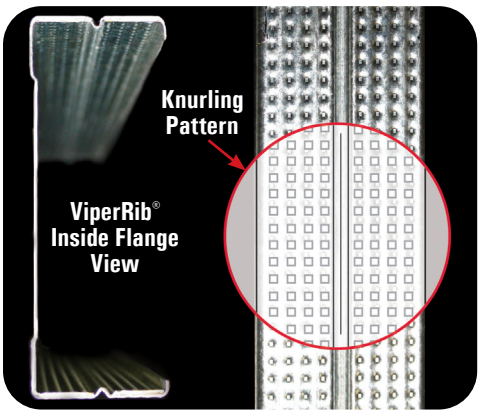
Viper V20 | Standing Strong.™



ViperStud® Imperial

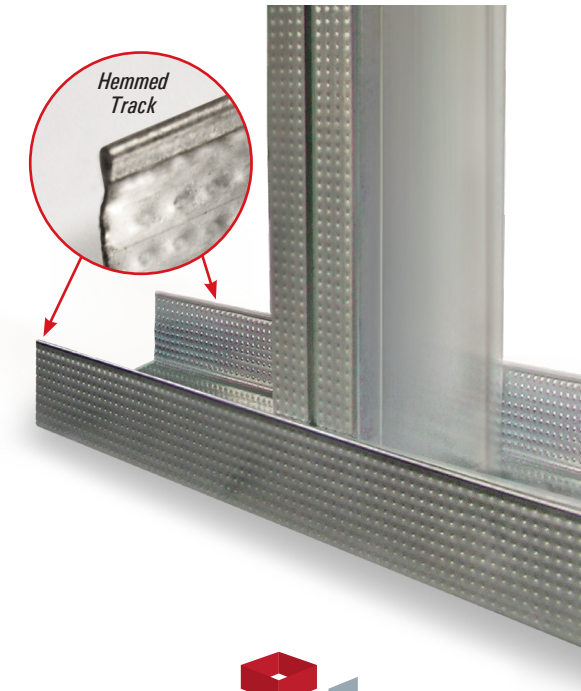


ViperRib® Technology
makes ViperStud stronger & less prone to twist or buckle.



VIPERSTUD® & VIPERTRACK®

The Proprietary Steel Framing System That Has Withstood The Test Of Time...



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.

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.

By providing a lighter, stronger, more efficient framing system, ViperStud® has earned the trust of industry leaders nationwide. Made from high-strength steel and formed with exclusive ViperRib technology, ViperStud® is the flat steel system that will be here for the long term, you can count on that.

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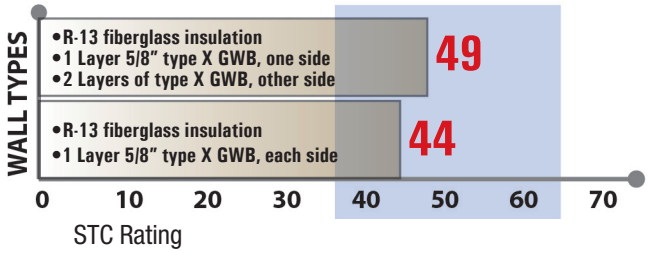
Viper V20 | Standing Strong.™

ViperStud® Drywall Framing System

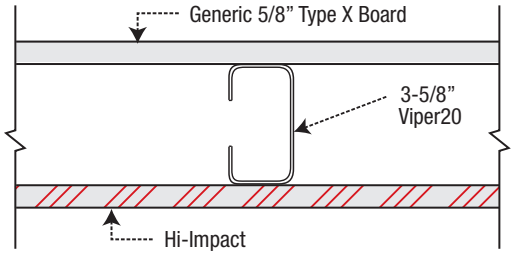
COMPOSITE LIMITING WALL HEIGHTS - 5/8" TYPE X[2]

MODEL NO.	DEPTH	GAUGE	MEMBER	SPACING (in. o.c.)	DESIGN THICKNESS (in.)	YIELD STRESS (ksi)	5.2 psf (0.25 kPa)			7.8 psf (0.375 kPa)			10.4 psf (0.5 kPa)		
							L/120	L/240	L/360	L/120	L/240	L/360	L/120	L/240	L/360
VIPER20	1-5/8"	20EQ	162VS125-18	12	0.0190	70	13' 7"	10' 10"	9' 5"	11' 11"	9' 5"	8' 3"	10' 10"	8' 7"	-
				16	0.0190	70	12' 4"	9' 10"	8' 7"	10' 10"	8' 7"	-	9' 10"	7' 9"	-
				24	0.0190	70	10' 10"	8' 7"	-	9' 5"	-	-	8' 7"	-	-
	2-1/2"	20EQ	250VS125-18	12	0.0190	70	17' 10"	14' 2"	12' 4"	15' 7"	12' 4"	10' 10"	14' 2"	11' 3"	9' 8"
				16	0.0190	70	16' 3"	12' 10"	11' 3"	14' 2"	11' 3"	9' 8"	12' 10"	10' 1"	8' 8"
				24	0.0190	70	14' 2"	11' 3"	9' 8"	12' 4"	9' 8"	8' 3"	11' 3"	8' 8"	-
	3-5/8"	20EQ	362VS125-18	12	0.0190	70	21' 7"	17' 9"	15' 7"	18' 10"	15' 6"	13' 7"	17' 1"	14' 1"	12' 4"
				16	0.0190	70	19' 7"	16' 1"	14' 2"	17' 1"	14' 1"	12' 4"	15' 6"	12' 9"	11' 2"
				24	0.0190	70	17' 1"	14' 1"	12' 4"	14' 11"	12' 3"	10' 8"	13' 7"	11' 0"	9' 7"
	4"	20EQ	400VS125-18	12	0.0190	70	22' 7"	18' 8"	16' 5"	19' 8"	16' 4"	14' 4"	17' 11"	14' 10"	13' 1"
				16	0.0190	70	20' 6"	16' 11"	14' 11"	17' 11"	14' 10"	13' 1"	16' 3"	13' 5"	11' 10"
				24	0.0190	70	17' 11"	14' 10"	13' 1"	15' 7"	12' 11"	11' 4"	14' 2"	11' 9"	10' 2"
	6"	20EQ	600VS125-18	12	0.0190	70	30' 0"	25' 7"	22' 8"	26' 3"	22' 5"	19' 10"	23' 10"	20' 4"	18' 0"
				16	0.0190	70	27' 3"	23' 3"	20' 7"	23' 10"	20' 4"	18' 0"	21' 8"	18' 6"	16' 5"
				24	0.0190	70	23' 10"	20' 4"	18' 0"	20' 6"	17' 9"	15' 9"	17' 9"	16' 2"	14' 4"

VIPER20 16" O.C.



The Viper20 drywall framing system has been tested to determine the transmission of sound through walls. Acoustic tests were performed using 3-5/8" @ 16" o.c. ViperStud steel studs. The tests were performed according to ASTM E 90 in different configurations.



Viper20 was tested to ASTM C1629 by Progressive Engineering, Inc with High-Impact wallboard. All boards earned a Level 3 Classification.

Viper20 (19 mil) is equivalent to conventional 20GA studs (30 mil).

A Track Record You Can Count On

ViperStud® Drywall Framing System is tested or conforms to these standards:

- **ASTM A1003** Standard Specification for Steel Sheet, Carbon, Metallic - and Nonmetallic-Coated for Cold-Formed Framing Members
- **ASTM C645** Standard Specification for Nonstructural Steel Framing Members
- **ASTM C754** Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products
- **ASTM E90** Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **ASTM E119** Standard Test Methods for Fire Tests of Building construction and Materials. Fire rated for 1, 2, 3, and 4 hour rated walls.
- **ASTM E72** Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
- **ASTM C1629** Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels

HI-ABUSE/HI-IMPACT – VIPER20

Sheathing Type and Thickness	Steel Framing	Screw Type	Drill Speed (RPM)	C645 PASS/Fail ASTM
USG 5/8"High Impact	3-5/8" Viper20	#6 x 1-1/4" Type S sharp pt	4000	PASS
National Gypsum 5/8" High Impact	3-5/8" Viper20	#6 x 1-1/4" Type S sharp pt	4000	PASS
Georgia Pacific 5/8" High Impact	3-5/8" Viper20	#6 x 1-1/4" Type S sharp pt	4000	PASS
CertainTeed 5/8" High Impact	3-5/8" Viper20	#6 x 1-1/4" Type S sharp pt	4000	PASS
Continental 5/8" High Impact	3-5/8" Viper20	#6 x 1-1/4" Type S sharp pt	4000	PASS

*Testing conducted by Structural Testing & Research, Inc.

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