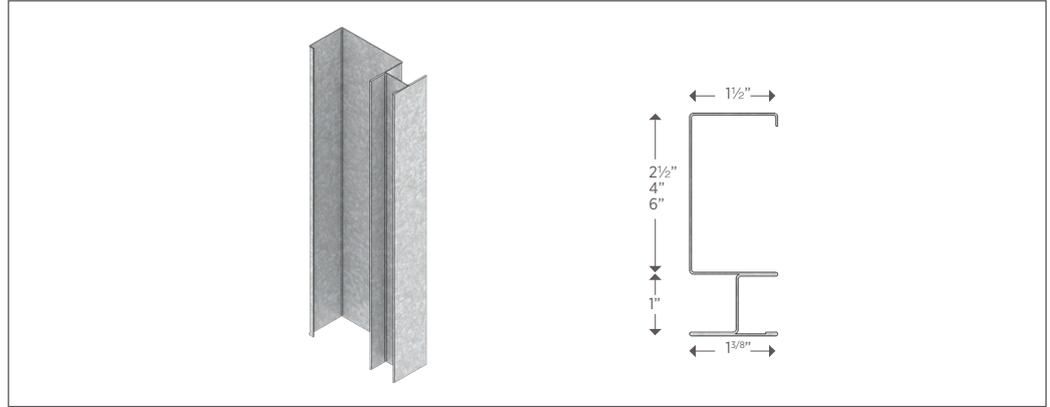


# CH-STUD SHAFTWALL FRAMING SYSTEMS

212	CH
400	CH
600	CH
CH-Stud Depth	CH-Stud



## DESCRIPTION

Used to construct elevator shafts, mechanical shafts, stair shafts, services risers, air return shafts and horizontal shaft wall ceiling.

## MATERIAL PROPERTIES

Yield stress, Fy 33 ksi Ultimate, with G40-G90 Zinc coating

## ASTM & CODE STANDARDS

- Shaftwall Studs are produced to meet or exceed ASTM C645 and C955
- Galvanized sheet steel meets or exceeds requirements of ASTM A-653
- For installation & storage information refer to ASTM C1007 & C754

## SECTION & MATERIAL PROPERTIES

Type	Thickness (mm)	CH Flange (mm)	CH Depth (mm)	Section Area (mm <sup>2</sup> )	Centroid (mm)	Moment of inertia(Ixx) (mm <sup>4</sup> )	Section Modulus (Sx)(mm <sup>3</sup> )	Radius of Gyration (mm)	Steel Mechanical Properties		
									Yield strength N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>	Elongation (%)
CH-STUD	0.60	38 / 35	64	129.6	29.30	67,986.00	1,959.00	22.90	297-308	366-372	29-30
	0.80	38 / 35		172.8	29.37	89,807.00	2,593.00	22.80	297-308	366-372	30-31
	0.90	38 / 35		194.4	29.40	100,564.00	2,907.00	22.74	297-308	366-372	30-31
	0.60	38 / 35	100	151.2	52.35	188,123.00	3,949.00	35.27	297-308	366-372	29-30
	0.80	38 / 35		201.6	52.44	249,261.00	5,241.00	35.16	297-308	366-372	30-31
	0.90	38 / 35		226.8	52.47	279,539.00	5,882.00	35.11	297-308	366-372	30-31
	0.60	38 / 35	150	182.4	84.40	482,604.00	7,357.00	51.44	297-308	366-372	29-30
	0.80	38 / 35		243.2	84.47	640,890.00	9,781.00	51.33	297-308	366-372	30-31
	0.90	38 / 35		273.6	84.52	719,553.00	10,988.00	51.28	297-308	366-372	30-31

## GREEN BENEFITS AND RECYCLED CONTENT

LEED Credit MR 2 - USG products are manufactured from coldformed steel. Steel is 100% recyclable, which helps divert debris from the waste stream.

LEED Credit MR 4 - USG's steel products have a minimum of 25.5% post-consumer recycled content, and 6.8% pre-consumer.

## REFERENCES

For further health and safety instructions, refer to the Safety Data Sheet (SDS) for this product, available from your USG Middle East sales office or [USGme.com](http://USGme.com)

### Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to [usgme.com](http://usgme.com) for the updated products information document.

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