

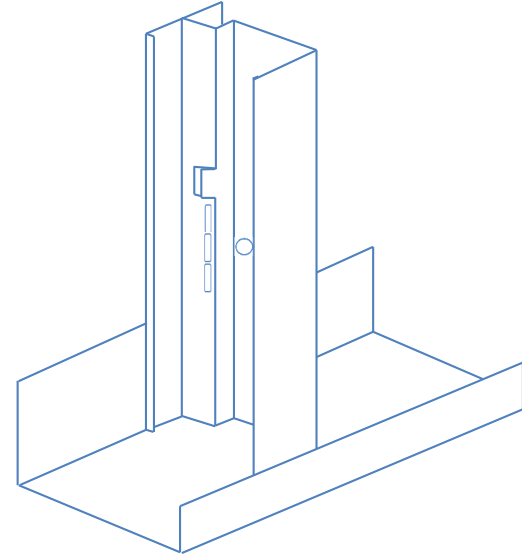
Shaftwall

Shaftwall systems are used to aid in the construction of elevator shafts, mechanical shafts, stairwells, air return shafts and horizontal membranes. The system is designed to use with 1" gypsum board. MBA's shaftwall is available in 2-1/2", 4", or 6" sizes. Shaftwall is available in 18 and 33 mil thicknesses (25-20ga.).

Steel Thickness

Mils	Gauge	Thickness (in)	
		Design	Minimum ¹
22	25	0.0188	0.0179
33	20	0.0346	0.0329
43	18	0.0451	0.0436

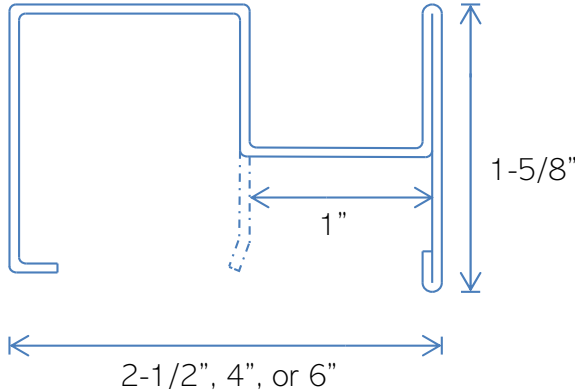
¹ Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on AISI S100-16/S2-20.



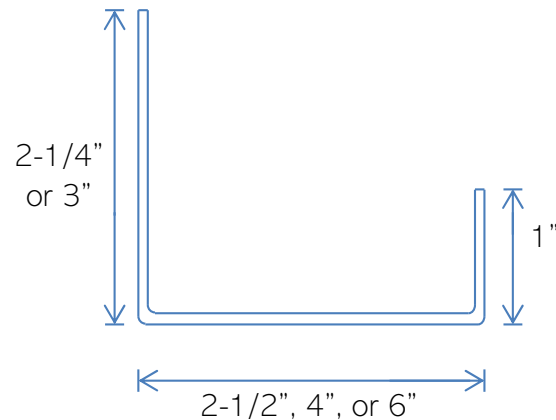
Dimensions

Web Width	2-1/2", 4", or 6"
Yield Strength	33 ksi
Coating	G40EQ (G40/G60 available)
Tab Spacing	24"

CT Stud



Tab Track



General Notes

- Physical properties have been calculated in conformance with the AISI S100-16/S2-20.
- Drywall framing members have a protective coating conforming to ASTM spec A 653/A 653M, G-40 min, or equivalent corrosion resistance.
- Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- All delivered material must be kept dry, preferably by being stored inside a building under a roof. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.
- Drywall framing [nonstructural 25 gauge and 20 gauge] is not permitted in load bearing (i.e. axial load greater than 200 lbs.) or exterior applications (i.e. transverse load greater than 10 PSF). Reference ASTM C 645 section 3.2.2.

LEED Green Building Credits

- MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.
- MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content.
- MR Credit 5: Regional Materials – MBA has manufacturing facilities in multiple states.

Shaftwall Limiting Wall Heights

Shaftwall systems are used to aid in the construction of elevator shafts, mechanical shafts, stairwells, air return shafts and horizontal membranes. The system is designed to use with 1" gypsum board. MBA's shaftwall is available in 2-1/2", 4", or 6" sizes. Shaftwall is available in 18 and 33 mil thicknesses (25-20ga.).

Section	Gauge	5psf				7.5psf				10psf				15psf		
		L/120	L/180	L/240	L/360	L/120	L/180	L/240	L/360	L/120	L/180	L/240	L/360	L/120	L/180	L/240
250CT-22	25	12' - 10"	11' - 3"	10' - 2"	8' - 11"	11' - 3"	9' - 10"	8' - 11"	7' - 9"	10' - 2"	8' - 11"	8' - 1"	7' - 1"	8' - 8"	7' - 9"	7' - 1"
250CT-33	20	14' - 7"	12' - 9"	11' - 7"	10' - 1"	12' - 9"	11' - 1"	10' - 1"	8' - 10"	11' - 7"	10' - 1"	9' - 2"	8' - 0"	10' - 1"	8' - 10"	8' - 0"
250CT-43	18	15' - 10"	13' - 10"	12' - 7"	10' - 11"	13' - 10"	12' - 1"	10' - 11"	9' - 7"	12' - 7"	10' - 11"	9' - 11"	8' - 8"	10' - 11"	9' - 7"	8' - 8"
400CT-22	25	18' - 5"	16' - 1"	14' - 7"	12' - 9"	16' - 1"	14' - 1"	12' - 9"	11' - 2"	12' - 8"	12' - 8"	11' - 7"	10' - 1"	8' - 5"	8' - 5"	8' - 5"
400CT-33	20	20' - 11"	18' - 3"	16' - 7"	14' - 6"	18' - 3"	16' - 0"	14' - 6"	12' - 8"	16' - 7"	14' - 6"	13' - 2"	11' - 6"	14' - 3"	12' - 8"	11' - 6"
400CT-43	18	22' - 9"	19' - 10"	18' - 0"	15' - 9"	19' - 10"	17' - 4"	15' - 9"	13' - 9"	18' - 0"	15' - 9"	14' - 4"	12' - 6"	15' - 9"	13' - 9"	12' - 6"
600CT-22	25	12' - 0"	12' - 0"	12' - 0"	12' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	6' - 0"	6' - 0"	6' - 0"	6' - 0"	4' - 0"	4' - 0"	4' - 0"
600CT-33	20	28' - 10"	25' - 2"	22' - 11"	20' - 0"	25' - 2"	22' - 0"	20' - 0"	17' - 6"	22' - 11"	20' - 0"	18' - 2"	15' - 10"	16' - 11"	16' - 11"	15' - 10"
600CT-43	18	31' - 5"	27' - 5"	24' - 11"	21' - 9"	27' - 5"	23' - 11"	21' - 9"	19' - 0"	24' - 11"	21' - 9"	19' - 9"	17' - 3"	21' - 6"	19' - 0"	17' - 3"

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