ClarkDietrich BUILDING SYSTEMS

Product Submittal Sheet

Tech Support: 888-437-3244
Engineering Services: 877-832-3206
Sales: 800-543-7140
clarkdietrich.com

09.22.16 (Non-Structural Metal Framing)

4” 20ga USG Shaft Wall System

USG SHEETROCK® Brand Shaft Wall System

These systems are non-load-bearing gypsum panel partitions designed to construct elevator shafts, mechanical shafts, stairwells, air returns and horizontal membranes. SHEETROCK® Brand Shaft Wall Systems have been comprehensively tested for 1 to 4 hour fire resistance ratings (UL Design No U415) only when all of the system components are used together.
Substitutions of any of the components are not recommended.

Product Material Thickness:

Member	Minimum thickness			Design thickness
	(mils)	gauge	(in.)	(in.)
CH, ES, JR & JS	34	20	0.0341	0.0359

All material is produced with a coating of: G40 (G60 Available)

Structural Properties:

Member	Product code	Weight (lb / ft)	Area (in^2)	Ix (in^4)	Sx* (in^3)	Allowance design stress (ksi)
4" C-H Stud 20ga (34mils)	400CH-34	1.243	0.3433	0.730	0.318	24.0
4" J-Runner 20ga (34mils)	400JR-34	0.857	0.2577	0.574	0.251	4.96
4" Jamb Strut 20ga (34mils)	400JS-34	1.006	0.2936	0.647	0.270	3.00

* Full section modulus to be used with corresponding design stress

ASTM & Code Standards:

- All USG Shaft Wall Systems manufactured by ClarkDietrich are fabricated conforming to steel and coating specification ASTM C645, A653 & A1003.
- Structural Properties have been calculated in conformance with AISI-NASPEC 1996
- UL Design No. U415
- MSDS & Product Certification Information is available at www.clarkdietrich.com

Other available USG Shaft Wall Systems:

Available in 2-1/2”, 4” & 6” deep systems in 25ga or 20ga

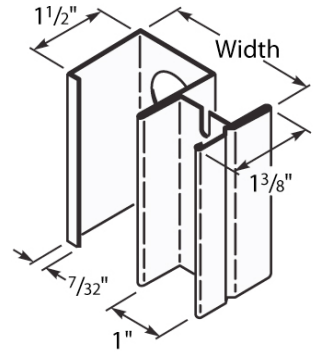
For more information about either of these systems, refer to USG Shaft Wall Systems brochure SA926 available at www.clarkdietrich.com or www.usg.com

USG and SHEETROCK is a registered trademark of United States Gypsum.

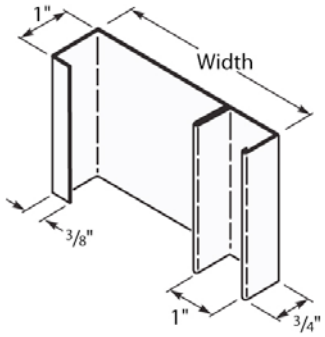
GREEN Benefits and Recycled Content:

LEED Credit MR 2 - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.
LEED Credit MR 4 - ClarkDietrich's steel products have a minimum recycled content of 34.9%, of which 24.3% is post-consumer, and 9.4% is pre-consumer. To report a higher number for your project or seek Credit MR 5, contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com.

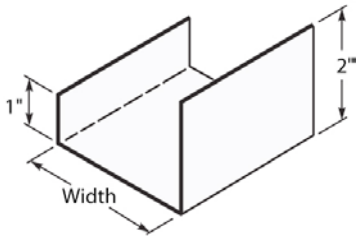
C-H Shaft Wall System



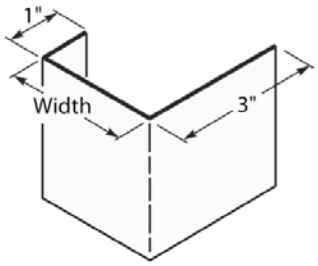
C-H Stud (CH)



E-Stud (ES)



J-Runner (JR)



Jamb-Strut (JS)

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Project Information	Contractor Information	Architect Information
Name:	Name:	Name:
Address:	Contact:	Contact:
	Phone:	Phone:
	Fax:	Fax: