

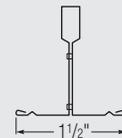
# USG DRYWALL SUSPENSION SYSTEM

WALL-TO-WALL

USG Wall-to-Wall Drywall  
Suspension System/USG Sheetrock®  
Brand Gypsum Panels

TO ORDER SAMPLES, GO TO [USG.COM](http://USG.COM) OR [CGCINC.COM](http://CGCINC.COM)

## PROFILE



No hanger wires required for  
spans up to 9'-0" with 5/8" USG  
Sheetrock® Brand EcoSmart Panels

## FEATURES AND BENEFITS

- Eliminates hanger wires for spans up to 9'-0" with 5/8" USG Sheetrock® Brand EcoSmart Panels or standard 1/2" thick gypsum panels.
- Simplifies construction for corridors and small rooms.
- Pre-engineered components allow easy transition between ceiling types and elevations.
- Min. G40 hot-dipped galvanized system, G90 available.
- Standard and custom lengths available.
- Manufactured in accordance with ASTM C635.
- ICC-ES Report ESR-4358.

## APPLICATIONS

- Condominiums and Apartments
- Healthcare
- Education
- Hotels
- Dormitories
- Office
- Corridors

Molding

USG Sheetrock® Brand  
Gypsum Panels

# USG DRYWALL SUSPENSION SYSTEM

## WALL-TO-WALL

ORDER SAMPLES/LITERATURE  
 USG: usg.com or samplitt@usg.com  
 CGC: contact Sales Representative

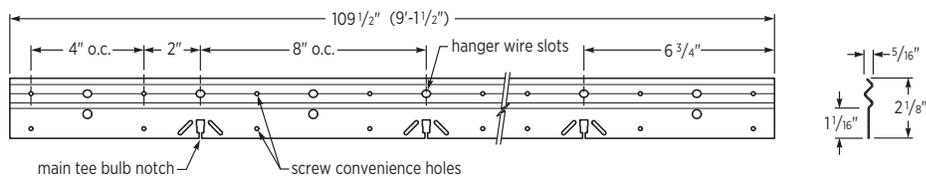
TECHNICAL SERVICES  
 800.USG.4YOU (874-4968)

FOR MOST UP-TO-DATE  
 TECHNICAL INFORMATION  
 AND LEED REPORT TOOL  
 usgdesignstudio.com  
 cgcdesignstudio.com  
 usg.ecomedes.com

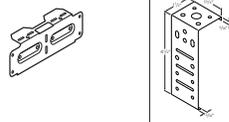
30 YEAR LIMITED SYSTEM WARRANTY  
 • No Visible Sag  
 • Mold/Mildew Protection

### Load Test Data<sup>1</sup>

	Length	Height	Face Width	Item No.	Fire Rating	Simple Span L/240 Uniform Load (lb./LF)							
						4'	5'	6'	7'	7'-6"	8'	8'-6"	9'
<b>DGW</b>  Straight Tee 6' 8' 10' 12' 14' Custom		1.617"	1-1/2"	DGW26s	Class A	34.9	18.1	10.6	6.7	5.5	4.5	3.8	3.2
 Moldings <sup>3</sup> 12'	12'	1"	1-1/2"	DGWM24	—	—	—	—	—	—	—	—	—
 12'	12'	1-5/8"	1"	DGCM27	—	—	—	—	—	—	—	—	—
 12'	12'	1-3/4"	1"	DGLC-12	—	—	—	—	—	—	—	—	—



DGSC180 Splice Clip\*      CMAC-1 Close Mount Attachment Clip



\* See AC3152 for additional main tee splice options.

### MEMBRANE LOADS

Span	O.C. Spacing (in.)	Maximum Load (lb./SF)	VERTICAL SUPPORT	Tee Spacing	Drywall	Span <sup>2</sup>	Support Requirement
4'	16	26.84		16" o.c.	1/2" (2.0 lbs./SF)	up to 9'	None
	24	17.89				9' 1"-16'*	Midspan
5'	16	14.08		16" o.c.	5/8" USG Sheetrock® Brand EcoSmart Firecode X (1.85 lbs./SF)	up to 9'	None
	24	9.38				9' 1"-16'*	Midspan
6'	16	8.31		24" o.c.	5/8" USG Sheetrock® Brand EcoSmart Firecode X (1.85 lbs./SF)	up to 9'	None
	24	5.54				8' 7" to 16'***	Midspan
7'	16	5.32		16" o.c.	5/8" (2.4 lbs./SF)	up to 9'	None
	24	3.55				16' 1"-24'***	Two supports at 1/3 points
7'-6"	16	4.36		24" o.c.	5/8" (2.4 lbs./SF)	up to 8'-6"	None
	24	2.90				16' 1"-24'***	Two supports at 1/3 points
8'	16	3.61		16" o.c.	5/8" (2.4 lbs./SF)	up to 9'	None
	24	2.41				9' 1"-16'*	Midspan
8'-6"	16	3.03		24" o.c.	5/8" (2.4 lbs./SF)	up to 8'	None
	24	2.02				8' 1"-16'*	Midspan
9'	16	2.57		16" o.c.	5/8" (2.4 lbs./SF)	up to 9'	None
	24	1.71				16' 1"-24'***	Two supports at 1/3 points
10'	16	14.08*	24" o.c.	5/8" (2.4 lbs./SF)	up to 8'	None	
	24	9.38*			8' 1"-16'*	Midspan	
12'	16	8.31*	16" o.c.	5/8" (2.4 lbs./SF)	up to 9'	None	
	24	5.54*			16' 1"-24'***	Two supports at 1/3 points	
16'	16	3.61*	24" o.c.	5/8" (2.4 lbs./SF)	up to 8'	None	
	24	2.41*			8' 1"-16'*	Midspan	

Notes  
 \*Vertical support at midspan.  
 \*\*Two vertical supports at 1/3 point.

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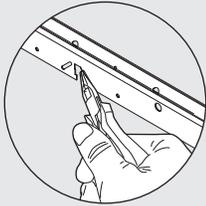
TECHNICAL SERVICES  
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• Mold/Mildew Protection

### USG INDEXED SUPPORT BAR ISB109 PROPERTIES

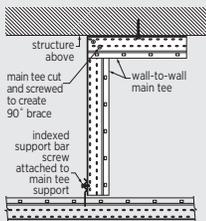
- Support spacing - 48" o.c. (hanger wires or other types such as steel studs or main tees).
- Main tee bulb notches spaced 8" o.c.
- Index notch to main tee pullout strength - 300 lb.
- Min. G40 hot-dipped galvanized steel.

### TYPICAL INSTALLATION



Use pliers to open tab on stabilizer bar, once in place close tab to lock in place.

### RECOMMENDED SUPPORT METHOD



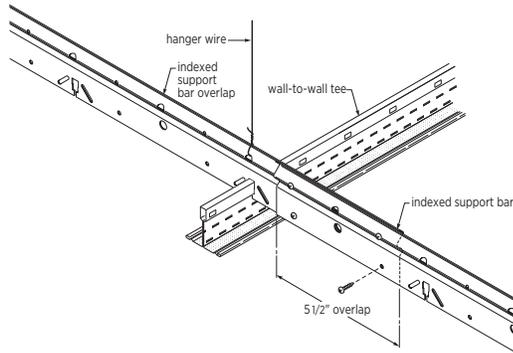
No blub means flush attachment when framing members are used for vertical support.

### PHYSICAL DATA/ FOOTNOTES

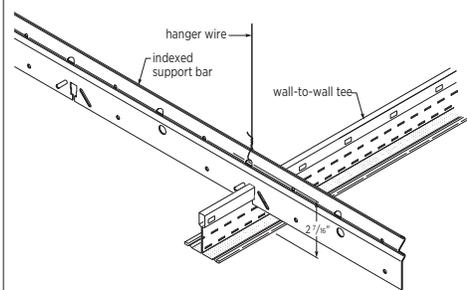
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### Installation with Overlap



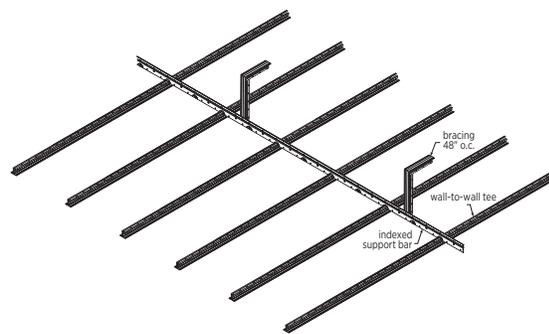
### Hanger Wire Elevation



**Note**  
Main tees must be supported at both ends when hanger wires are used

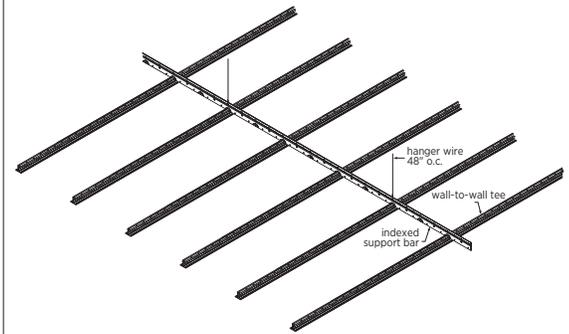
### Vertical Support with Main Tees or Studs (Recommended)

- Bracing 48" o.c.
- Wall-to-wall tee 16" o.c. (typ.)



### Vertical Support with Hanger Wires

- Hanger wire 48" o.c.
- Wall-to-wall tee 16" o.c. (typ.)
- Main tees must be supported at both ends when hanger wires are used.



**Product literature and samples**  
Data sheet: AC3230  
System brochure: AC3152

**Finishes**  
Galvanized.

**Online tools**  
usgdesignstudio.com, cgcdesignstudio.com or usg.ecomedes.com

**Material**  
Min. G40 double-web tee, G40 hot-dipped galvanized steel.

**Installation**  
Install according to ASTM C636, ASTM E580, ASTM C754, CISCA and USG requirements. Alternate installation methods may be used when approved by the authority having jurisdiction.

- Notes**
1. Load test data shows uniform load in lb./LF based on simple span tests in accordance with ASTM deflection limit on L/240.
  2. Spans greater than 14' require main tee splice. Use DGSC180 splice clip or alternative splicing options described in system brochure AC3152.
    - Attachment to wall structure is required.
    - Members conform to performance standard C645.
    - ISB109 for use with USG Wall-to-Wall System only. Main tees must be supported on both ends.
    - ISB109 must not be used to cantilever main tees.
    - Refer to system brochure AC3152 for list of USG Sheetrock® Brand Panel weights (lb./SF)

Manufactured by USG Interiors, LLC  
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Chicago, IL 60661

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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

