

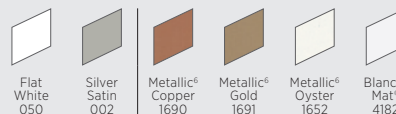
# USG CELEBRATION™ TORSION SPRING SYSTEM



Lowell Justice Center in Lowell, MA  
Architect: Finegold Alexander Architects  
Photo: ©Anton Grassi

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

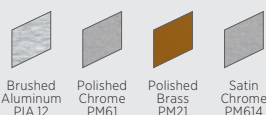
## PAINTED METALS



## WOOD TONES\* - TEXTURED



## ANODIZED METALS



## CUSTOM COLORS AVAILABLE



\*Trim available in painted coordinating colors.

## FEATURES AND BENEFITS

- Aluminum panels provide a monolithic appearance.
- Full 90-degree swing-down motion provides easy downward access to plenum areas.
- Spring clip design provides superior panel alignment.
- No reveal between panels.
- Wind load tested and approved, including Miami-Dade NOA, for exterior applications with proper bracing and framing.

## APPLICATIONS

- Interior and Exterior Applications
- Pods, Islands, and Clouds
- Wall to Wall Ceilings
- Low Sloped Ceilings
- New Construction
- Downward Accessible
- Concealed Grid



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ORDER SAMPLES/LITERATURE  
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TECHNICAL INFORMATION  
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usgdesignstudio.com  
cgcdesignstudio.com  
usg.ecomedes.com

TECHNICAL SERVICES  
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HRC

HIGH RECYCLED  
CONTENT

Declare.

Declare® Labels on select finishes,  
see usg.ecomedes.com for more  
details and documentation.

PRODUCT INFORMATION

Materials	Finishes	Standard Sizes	Plenum Depth	Weight
Aluminum panels; painted	Panels available with perforation. Custom perforation sizes and patterns are available upon inquiry. A special acoustical backing is available for all perforated panels.	2'x2', 2'x4', 2'x6', 2'x8', 4'x4'	6" minimum to accommodate suspension system and torsion spring	Approximately 0.63 lb./sq. ft.
Anodized <sup>5</sup>		2'x2'		

ACCESS

Any uncut USG Celebration™ Torsion Spring panel has downward accessibility and can be lowered and disengaged lengthwise for access to the space above while the engaged side continues to hold the panel in place to the grid system at a 90° angle. A special panel removal hand tool (part number 209216) available through USG is also recommended for use when lowering panels.

SUSPENSION SYSTEMS

	Component	ASTM Class	Length	Height	Item No.
Main Tees	15/16" Main Tee <sup>1</sup>	Intermediate Duty	12' (3600 mm)	USG: 1.64" (42 mm) CGC: 1.5" (38 mm)	DX/DXL24
	15/16" Main Tee <sup>1</sup>	Heavy Duty	12' (3600 mm)	USG: 1.64" (42 mm) CGC: 1.5" (38 mm)	DX/DXL26
Cross Tees	15/16" Cross Tee <sup>1</sup>	—	2' (600 mm)	1-1/2" (38 mm)	TSCT22
	15/16" Cross Tee <sup>1</sup>	—	4' (1200 mm)	1-1/2" (38 mm)	TSCT44
	15/16" Cross Tee <sup>1</sup>	—	6' (1800 mm)	1-1/2" (38 mm)	TSCT66
Wall Moldings	7/8" Wall Angle <sup>1</sup>	—	12' (3600 mm)	7/8" (22 mm)	M7
	2" Wall Angle <sup>1,2</sup>	—	10' (3000 mm)	1" (25 mm)	M20
	2-1/2" F-Molding <sup>3</sup>	—	10' (3000 mm)	2-1/2" (64 mm)	CTS15AL
Molding Accessories	Panel Hold-Down Clip <sup>4</sup>	—	10" (254 mm)	1-9/16" (40 mm)	T15
Perimeter Trims	6" USG Compásso™ Std. Trim	—	—	6" (152 mm)	CP610
	8" USG Compásso™ Std. Trim	—	—	8" (203 mm)	CP810
Perimeter Trim Clips	6" USG Compásso™ Std. Clip	—	—	—	TSCLP615CP
	8" USG Compásso™ Std. Clip	—	—	—	TSCLP815CP
	Perimeter main tee attachment clip for partial module trim applications	—	—	—	CTS-CMSC

ACOUSTICS<sup>8</sup>

Description	Optional Acoustical Material	Sound Rating – NRC	
		Perforation CD06305NB (A062)	Perforation CD11717 (A116)
Perforated Panel	Acoustibond™ backer	0.60	0.70
Perforated Panel	2", 0.75 lb. fiberglass in polybag (by others)	0.85	0.90

Low Emissions (VOC)

CDPH 01350 v1.2-2017 compliance on select finishes,  
see usg.ecomedes.com for more details and documentation.

High Recycled Content

USG classifies High Recycled Content as greater than 50%. Total recycled  
content is based on product composition of pre-consumer (post-industrial) and  
post-consumer recycled content per FTC guidelines.

FOR MORE  
INFORMATION

<b>Additional Documents and Resources</b> Data Sheet: IC622 System Guide: IC638 Installation Guide: IC637 Perforations Selection Guide: IC425 Warranty: SC2102 Exterior Ceiling systems Guide: SC2561 Cleaning Instructions: IC518  <b>Online Tools</b> usgdesignstudio.com, cgcdesignstudio.com or usg.ecomedes.com	<b>Fire Classification</b> ASTM E84 and CAN/ULC S102 surface-burning characteristics (with Acoustibond™ backer) Class A Flame spread: 25 or less Smoke developed: 50 or less  ASTM E84 and CAN/ULC S102 surface-burning characteristics (with light diffusing backer) Class A Flame spread: 25 or less Smoke developed: 50 or less  <b>Acoustics</b> The NRC rating of 0.60 is for standard CD06305NB (A062) perforation pattern with Acoustibond™ backer.  <b>Code Approval</b> See ICC-ES ESR 1222.	<b>Recycled Content</b> USG Celebration™ Torsion Spring aluminum panels: up to 90% recycled content.  <b>Limitation</b> Some commercially acceptable color variation may occur between lots and between different size products of the same color. For more information about metal ceiling finishes, refer to <i>Metal Ceilings Technical Guidelines</i> published by the Ceilings & Interior Systems Construction.  <b>Notes</b> 1. Min. G30 hot-dipped galvanized. Install according to ASTM C636, ASTM E580, Cisca and USG requirements. 2. For seismic applications. The main-tee and cross-tee connections meet IBC requirements for tension and compression strength. 3. Produced from aluminum. 4. When hold-down clips are required at the perimeter, the CTS15AL F-Mold can accommodate the USG T-15 Hold- Down Clip. Refer to IC638 for details. 5. Other sizes available, contact your sales representative. 6. Celebration Torsion Spring panels available in Metallics up to 2' wide and up to 4' long. 7. Celebration Torsion Spring available in Blanco Mat 4182 up to 2' wide and up to 6' long. 8. Refer to IC425 for additional NRC information based on perforation pattern.
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