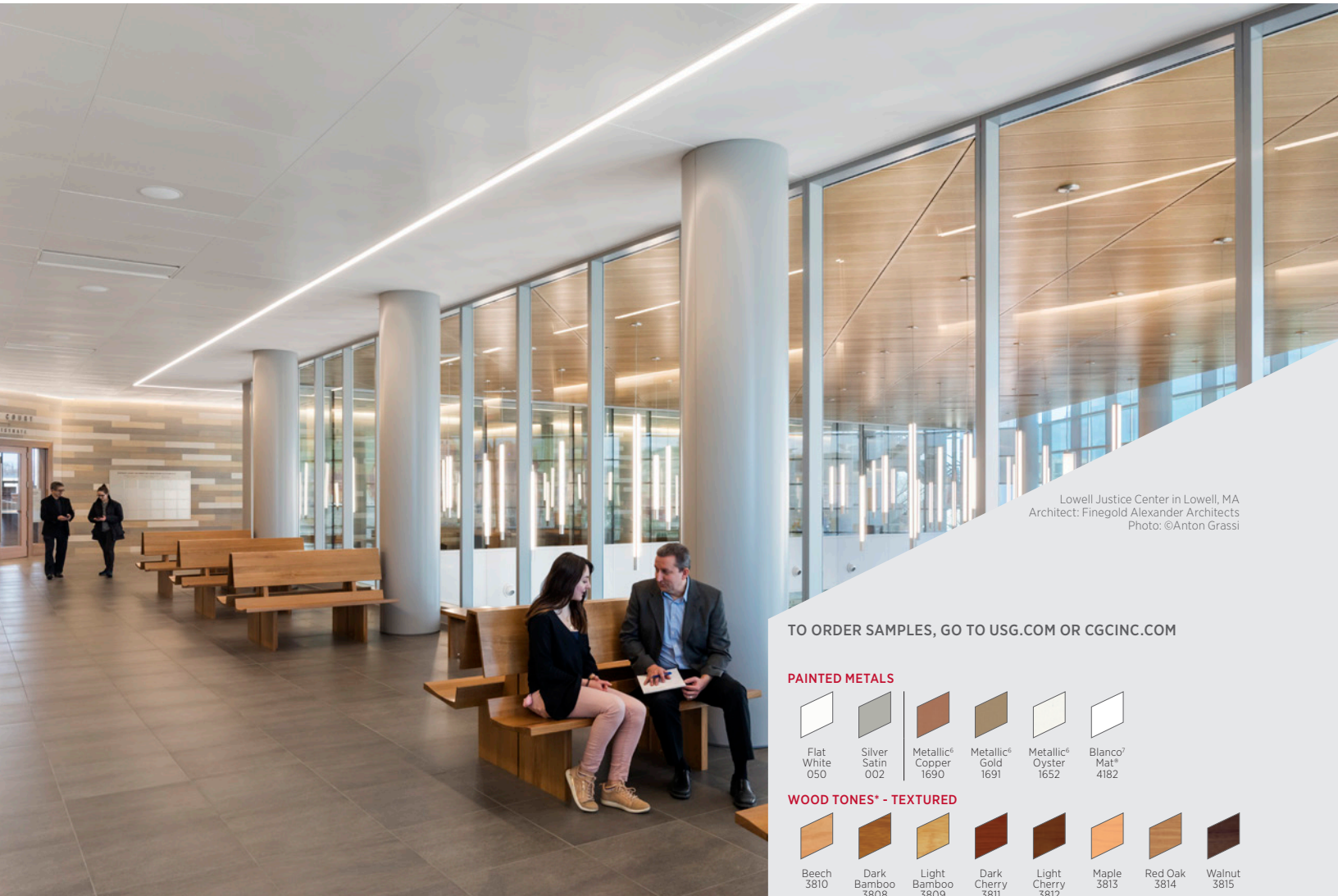


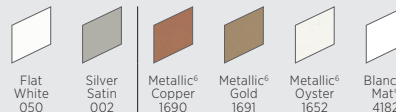
USG CELEBRATION™ TORSION SPRING SYSTEM



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

TO ORDER SAMPLES, GO TO USG.COM OR CGCINC.COM

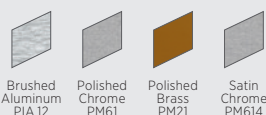
PAINTED METALS



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

USG CELEBRATION™ TORSION SPRING SYSTEM

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



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 ⁵ | | 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 ¹ | Intermediate Duty | 12' (3600 mm) | USG: 1.64" (42 mm) CGC: 1.5" (38 mm) DX/DXL24 |
| | 15/16" Main Tee ¹ | Heavy Duty | 12' (3600 mm) | USG: 1.64" (42 mm) CGC: 1.5" (38 mm) DX/DXL26 |
| Cross Tees | 15/16" Cross Tee ¹ | — | 2' (600 mm) | 1-1/2" (38 mm) TSCT22 |
| | 15/16" Cross Tee ¹ | — | 4' (1200 mm) | 1-1/2" (38 mm) TSCT44 |
| | 15/16" Cross Tee ¹ | — | 6' (1800 mm) | 1-1/2" (38 mm) TSCT66 |
| Wall Moldings | 7/8" Wall Angle ¹ | — | 12' (3600 mm) | 7/8" (22 mm) M7 |
| | 2" Wall Angle ^{1,2} | — | 10' (3000 mm) | 1" (25 mm) M20 |
| | 2-1/2" F-Molding ³ | — | 10' (3000 mm) | 2-1/2" (64 mm) CTS15AL |
| Molding Accessories | Panel Hold-Down Clip ⁴ | — | 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 |

ACOUSTICS⁸

| 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)

Certified low emitting performance for select finishes, meets CDPH 01350 v1.2 - 2017. Certificates of Compliance for Low VOC Emissions are available on usg.com and at usg.ecomedes.com.

High Recycled Content

USG classifies High Recycled Content as greater than 50%. Methodology of calculation based on FTC guidelines.

PHYSICAL DATA

Additional Documents and Resources

System Guide: IC638
 Installation Guide: IC637
 Perforations Selection Guide: IC425
 Warranty: SC2102
 Exterior Ceiling systems Guide: SC2561
 Handling Guide: IC518

Online Tools

usgdesignstudio.com, cgcdesignstudio.com or usg.ecomedes.com

Fire Classification

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

Acoustics

The NRC rating of 0.60 is for standard CD06305NB (A062) perforation pattern with Acoustibond™ backer.

Seismic Compliance

Suspension System is included in ICC ES ESR 1222 for use in Seismic Design Categories A through F when installed according to ASTM C636 and ASTM E580. Alternate installation methods may be used when designed by a registered engineer and approved by the authority having jurisdiction. Test reports for suspension system performance may be available upon request.

Recycled Content

USG Celebration™ Torsion Spring aluminum panels: up to 95% recycled content.

Limitation

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 *Metal Ceilings Technical Guidelines* published by the Ceilings & Interior Systems Construction.

Notes

- Min. G30 hot-dipped galvanized. Install according to ASTM C636, ASTM E580, CISCA and USG requirements.
- For seismic applications. The main-tee and cross-tee connections meet IBC requirements for tension and compression strength.
- Produced from aluminum.
- 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.
- Other sizes available, contact your sales representative.
- Celebration Torsion Spring panels available in Metallix up to 2' wide and up to 4' long.
- Celebration Torsion Spring available in Blanco Mat 4182 up to 2' wide and up to 6' long.
- Refer to IC425 for additional NRC information based on perforation pattern.

Notice

The information in this document is subject to change without notice. CGC Inc. or USG Corp. assumes no responsibility for any errors that may inadvertently appear in this document.

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 550 West Adams Street
 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.

