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**Initial Approval**  
July, 2013

**Re-Approved**  
November, 2017

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**Report Owner**

**USG Interiors, LLC**  
550 West Adams Street  
Chicago, Illinois 60661

**Product**

**Celebration™ Snap-In System**  
**Celebration™ Torsion Spring System**  
**Gypsum Lay-In Panel System**  
**Linear Metal Ceiling Systems**  
(Paraline II® & Paraline Plus™)

**Approved Manufacturing Locations**

<b>USG Interiors, LLC</b> <b>Plant # 601</b> 1000 Crocker Rd. Westlake, OH 44145	<b>USG Interiors, LLC</b> <b>Plant # 603</b> 2575 East Loomis Rd. Stockton, CA 95205	<b>USG Interiors, LLC</b> <b>Plant # 605</b> 1000 Donn Dr. Cartersville, GA 30120
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<b>CGC Interiors, Inc.</b> <b>Plant # 091</b> 735 Fourth Line Rd. Oakville, Ontario, Canada L6L 5B7
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**Evaluation Report Information**

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**USG Support: 800.USG4YOU (800.879.4968)**

**General Details**

This report covers the exterior application of the following evaluated systems: **Celebration Snap-In** suspended ceiling systems; **Celebration Torsion Spring** suspended ceiling system; **Linear Metal Ceiling Systems** comprised of two systems **Paraline II panels** supported by Symmetrical Carrier suspension system and **Paraline Plus** Panels supported by Paralock Main Tees. These systems are manufactured by **USG Interiors, LLC**. The plant locations listed above have an approved Q.C. Manual for the manufacture of the grid parts only and have a Product Evaluation Service Agreement with **Pei Evaluation Service** / Inspection Agreement with **Progressive Engineering Inc.** The plant locations listed above will be audited Quarterly by **Pei**.

**Product Description**

The **USG Interiors, LLC** ceiling framing systems described in this report are assemblies that may be used in exterior, fire-resistance-rated and non-fire-resistance-rated, construction. The suspended ceiling systems consist of main and cross runner framing members with metal panels, gypsum lay-in panels, and linear metal pans. Each suspended ceiling system is available with a variety of wall angles, moldings, access angles, and corner caps.

**Celebration Snap-In** System consists of painted or anodized aluminum panels supported by **FINELINE DXFEVH 2924** or **DXFEVH 2930** suspension systems. The main tees **DXFEVH2924** and **DXFEVH2930** are manufactured using ASTM A653 CS Type B steel with a Type G90 hot-dipped galvanized coating. Available panel sizes range from 12"wide x 24"long to 30"wide x 78"long, with perforation and/or embossing. Exterior system installations and load ratings are summarized in Table 1 of this **PER**.

**Celebration Torsion Spring** System consists of painted or anodized aluminum panels supported by ZXL26 main tees with aluminum tee cap. The main tees are manufactured using ASTM A653 CS Type B steel with a Type G90 hot-dipped galvanized coating. Ceiling panels lock into the suspension system by means of a torsion spring device and are manufactured using 3003 Series Aluminum. Ceiling panels are manufactured in four sizes: 24"wide x 24"long, 24"wide x 48"long, 24"wide x 72"long, and 48"wide x 48"long. Exterior system installations and load ratings are summarized in Table 2 of this **PER**.

**Gypsum Lay-In Panel** System consists of SHEETROCK® Brand ClimaPlus™ Lay-In Ceiling Panels supported by **DONN Brand ZXL26** suspension system manufactured using ASTM A653 CS Type B steel with a polyester paint finish. SHEETROCK® Brand ClimaPlus™ Lay-In Ceiling Panels with FIRECODE formulation are vinyl laminated face gypsum panels available in panel sizes of 2'x2'x1/2" or 2'x4'x1/2". Exterior system installations and load ratings are summarized in Table 3 of this **PER**.

**Product Description continued...**

**Paraline II** panels are supported by Symmetrical Carrier suspension system. The **Paraline II** ceiling system combines 12' long linear aluminum pans in widths of 3-1/4" and 7-1/4" and an aluminum Symmetrical Carrier. Exterior system installations and load ratings are summarized in Table 4 of this **PER**.

**Paraline Plus** Panels are supported by Paralock® main tees. The **Paraline Plus** ceiling system combines 12' long linear aluminum pans in widths of 3-1/4" and 7-1/4" and Paralock main tees suitable for exterior ceiling applications under protected soffits. Paralock main tees are manufactured using ASTM A653 CS Type B steel with a Type G90 hot-dipped galvanized coating. Exterior system installations and load ratings are summarized in Table 5 of this **PER**.

**Code & Standard Compliance**

Meets the requirements for the exterior application of suspended ceilings in accordance with:

<b>2012 &amp; 2015 International Residential Code</b>	<b>2012 &amp; 2015 International Building Code</b>
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*Note: Compliance has been verified for exterior applications and wind resistance in accordance with UL 580, UL 1897, and/or Miami Dade County TAS 202/203 only.*

**General Product Usage and Limitations**

1. Building structure from which the ceiling system is suspended must be capable to withstand the applicable loads required by Chapter 16 of the 2012 and 2015 International Building Code.
2. The suspension ceiling grid systems shall be installed in accordance with manufacturers recommendations and are subject to the conditions of this **PER**. A copy of the USG Exterior Ceiling Application Systems Guide SC2561 shall be made easily available to the installer.
3. Finish is not UV-resistant. All **USG DONN** Brand suspension grid systems should not be installed where direct exposure to sun or weather will occur. Furthermore, indirect exposure to severe environmental conditions will shorten the lifespan of the product.

**Celebration™ Snap-In System:**

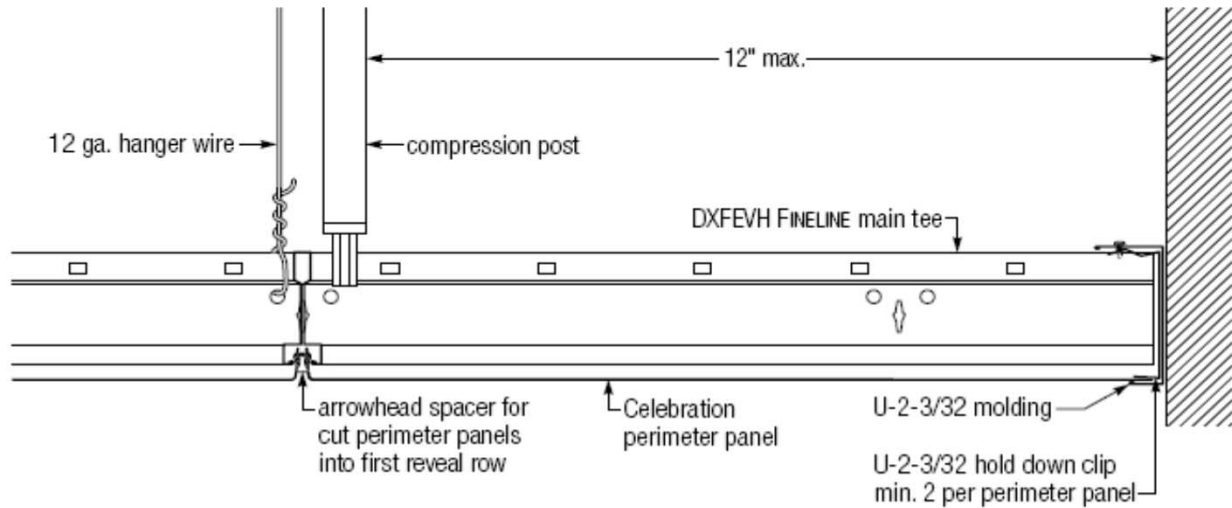
1. U-2-3/32 molding is design to receive the perimeter tees and the tee ends are cut back at an angle. Back-blocking is not required. Fastener attachments through the top leg of molding in the bulb are required.
2. See Celebration Installation Guide IC462 and USG Exterior Ceiling Application Systems Guide SC2561 for more details.

**Table 1 - Celebration Snap-In System Load Rating and Performance**

Main Tee	Main Tee Spacing (in)	Cross Tee Spacing (in)	Compression Post Spacing (in)	UL Class	Maximum Load Rating (psf)	Test Standard
DXFEVH 2924	48	24	24	Class 15	15	UL580
	24	48	48	Class 15 <sup>1</sup>	15	Engineering Analysis
	24	24	24	Class 90	90	UL580
	24	24	24	n/a	102	UL1897
	24	24	24	n/a	+80 / -70	TAS 202 & TAS 203
DXFEVH 2930	30	30	30	n/a	68	UL1897
	30	30	30	Class 60	60	UL580

**Note:**

1. Value derived through engineering calculation.



**Figure 1 - DXFEVH FINELINE Main Tee Perimeter Detail Assembly**

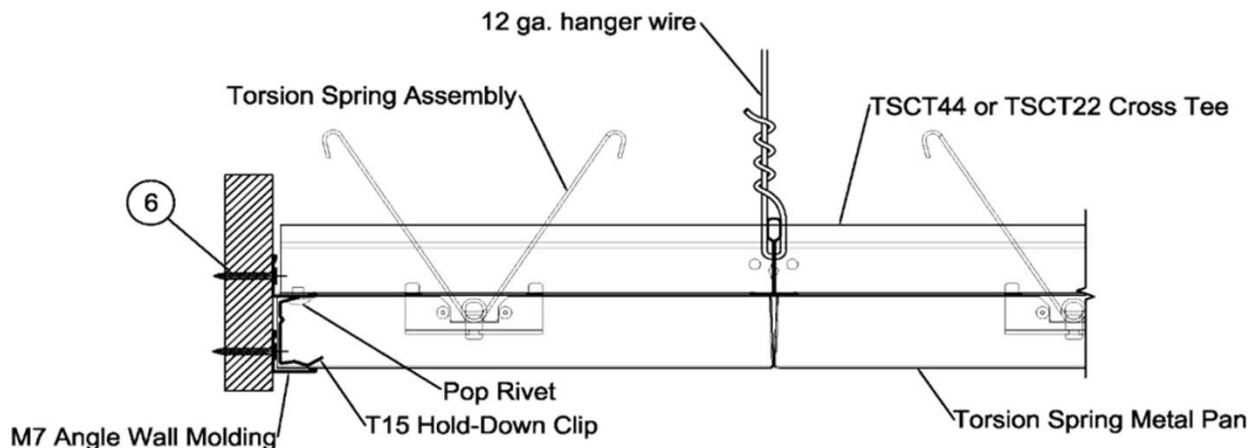
**Celebration Torsion Spring System:**

**Table 2 - Celebration Torsion Spring System Load Rating and Performance**

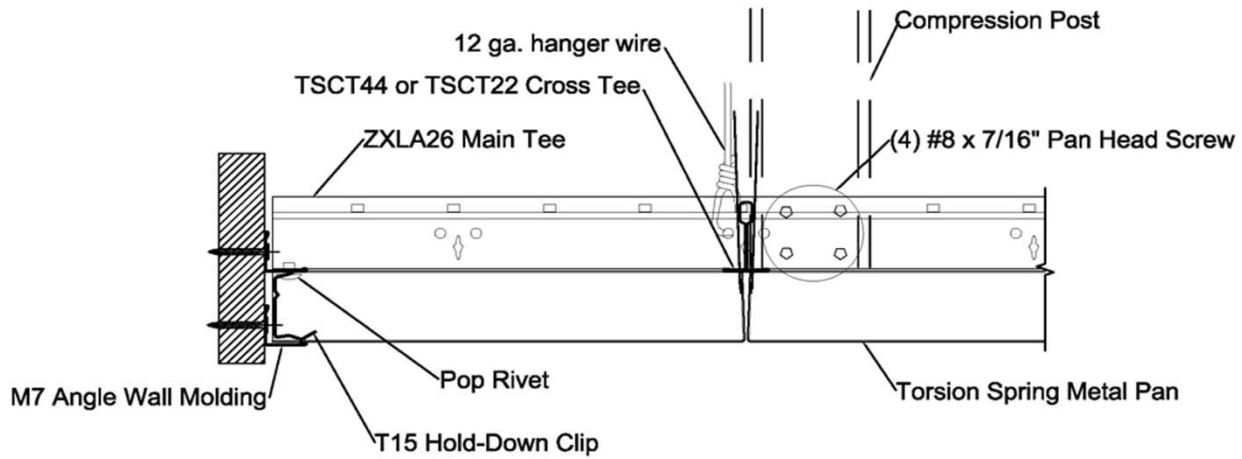
Main Tee	Panel Size	Main Tee Spacing (in)	Cross Tee Spacing (in)	Compression Post Spacing (in)	UL Class	Maximum Load Rating (psf)	Test Standard
ZXLA26	24"x24" & 24"x48"	24	24	24	Class 90	90	UL580
		24	24	24	n/a	133	UL1897
	48"x48"	48	24	48	Class 15	15	UL580
	24"x48" & 24"x96"	48	24	24	Class 30	30	UL580
	24"x72" & 24"x24"	72	24	24 / 48 <sup>1</sup>	Class 30	30	UL580
	24"x24" & 24"x48"	24	24	24	n/a	73.3	TAS 202 & 203

**Note:**

1. Compression posts are spaced at 24" O.C. parallel to the main tees and at 48" O.C. maximum perpendicular to the main tees.



**Figure 2 - Torsion Spring Cross Tee Assembly Detail**



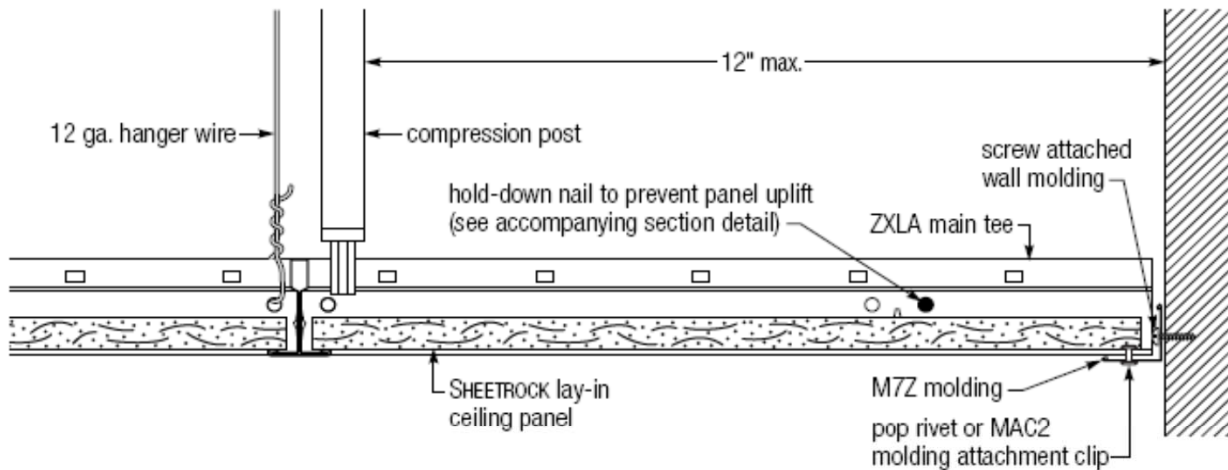
**Figure 3 - Torsion Spring Main Tee Assembly Detail**

**SHEETROCK® Brand ClimaPlus™ Lay-In Ceiling Panels supported by DONN Brand ZXL A26:**

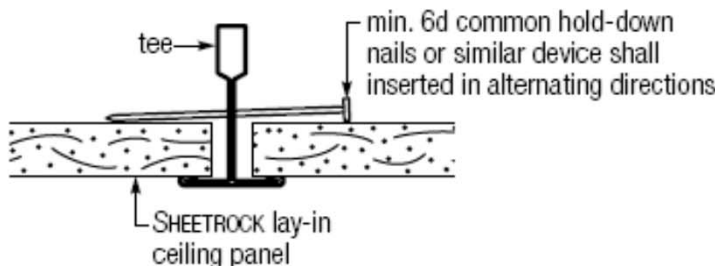
1. The SHEETROCK Lay-in Panel and ZXL A 26 System performance is summarized in Table 3.
2. The panels must be held down with a min. 6d common nail installed through available hanger wire holes to prevent panel uplift. The nails must be spaced at a maximum of 6 inches on center along each tee.
3. Pop rivets shall be suitable for exterior use.
4. See USG Exterior Ceiling Application Systems Guide SC2561 for more details.

**Table 3 - ZXL A System Load Rating and Performance**

Main Tee	Main Tee Spacing (in)	Cross Tee Spacing (in)	Compression Post Spacing (in)	UL Class	Maximum Load Rating (psf)	Test Standard
ZXL A26	48	24	24	n/a	25	UL1897
ZXL A26	24	48	24	Class 30	30	UL580
ZXL A26	24	48	24	n/a	85	UL1897



**Figure 4 - ZXL A Main Tee Perimeter Detail Assembly**



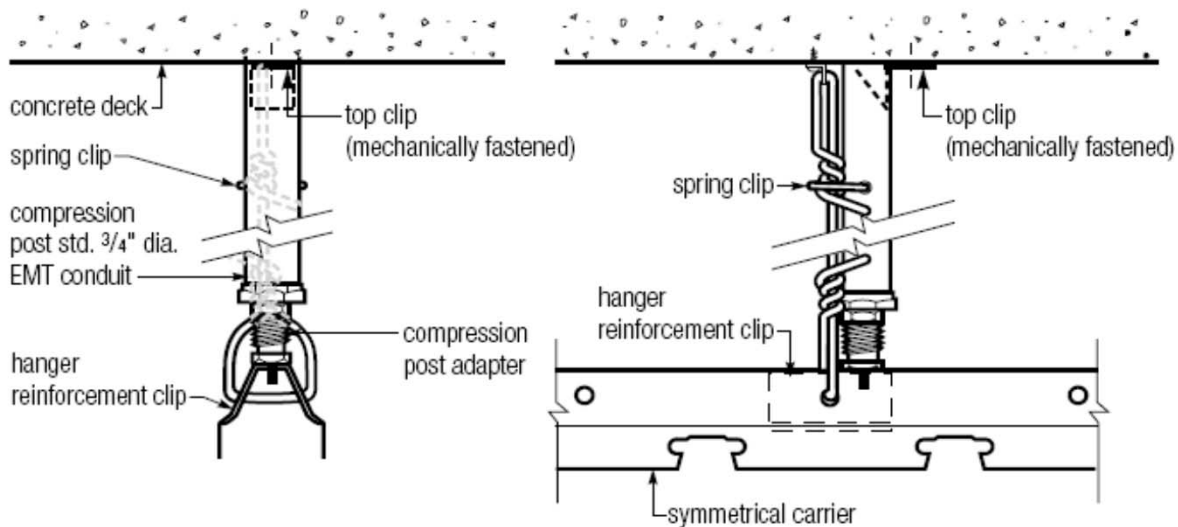
**Figure 5 - Hold-Down Nail Detail**

**Paraline II System:**

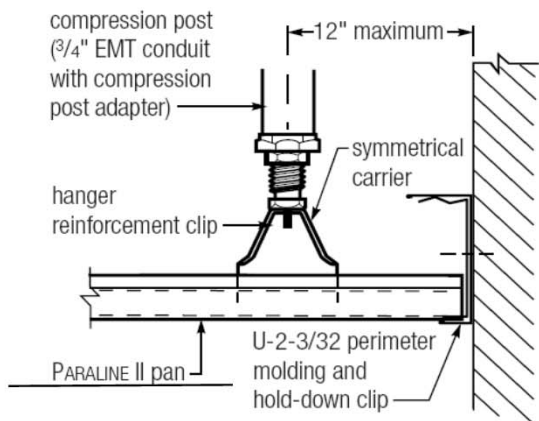
1. Pop rivets shall be suitable for exterior use.
2. See [USG Exterior Ceiling Application Systems Guide SC2561](#) for more details.

**Table 4 - Paraline II System Load Rating and Performance**

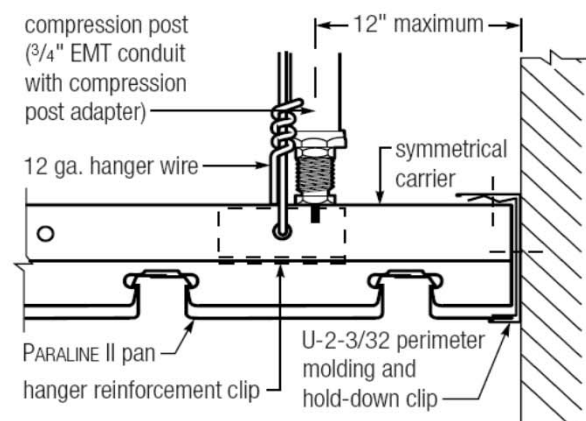
Main Tee	Main Tee Spacing (in)	Cross Tee Spacing (in)	Compression Post Spacing (in)	UL Class	Maximum Load Rating (psf)	Test Standard
Symmetrical Carrier	48	no cross tees	24	n/a	46	UL1897
Symmetrical Carrier	24	no cross tees	24	Class 90	90	UL580



**Figure 6 - Symmetrical Carrier Profile Detail**



**Figure 7 - Pans Perpendicular to Wall**



**Figure 8 - Pans Parallel to Wall**

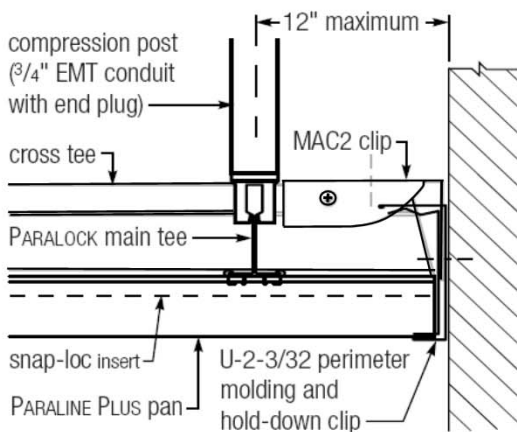


**Paraline Plus System:**

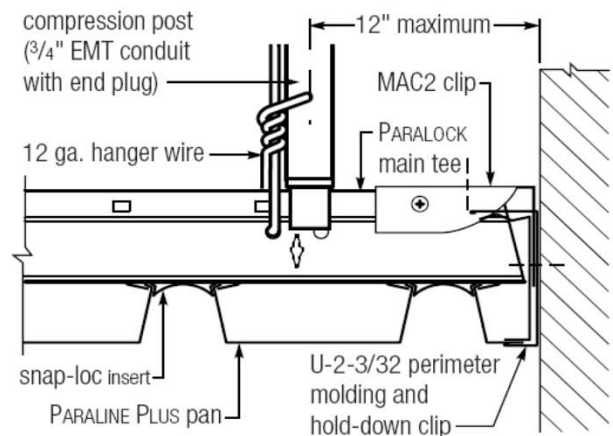
1. Pop rivets shall be suitable for exterior use.
2. See [USG](#) exterior ceiling Application Guide for more details.

**Table 5 - Paraline Plus System Load Rating and Performance**

Main Tee	Main Tee Spacing (in)	Cross Tee Spacing (in)	Compression Post Spacing (in)	UL Class	Maximum Load Rating (psf)	Test Standard
Paralock	48	24	24	Class 30	30	UL580
	48	24	24	n/a	55	UL1897
	24	30	30	Class 60	60	UL580
	24	24	24	Class 90	90	UL580
	24	24	24	n/a	102	UL1897
	24	24	24	n/a	+75 / -35	TAS 202 & TAS 203



**Figure 9 - Pans Perpendicular to Wall**



**Figure 10 - Pans Parallel to Wall**

**Product Labeling**

Each ceiling grid system shipment assembly, that is covered by this **Product Evaluation Report**, must have a label attached with at least the following information (as applicable):

1. [USG Interior, LLC](#) Name and Address
2. Product Name
3. Plant Identifier & Date Code
4. **Pei ES** Information: See **Pei** Evaluation Report at [p-e-i.com](http://p-e-i.com)
5. UL Backstamp Information for Fire Resistance
6. Image of Permanent Label on Main Tee for Miami-Dade NOA
7. ICC-ES ESR Report Number

**Acceptable Evaluation Marks**

