

## USG Exterior Ceiling Systems

### SYSTEMS GUIDE



IT'S YOUR WORLD. BUILD IT.®

# USG EXTERIOR CEILING SYSTEMS

## SYSTEMS GUIDE

For decades, USG exterior ceiling systems have been utilized in a wide variety of exterior applications because they not only satisfy stringent performance requirements and design criteria but also provide beauty and durability.

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# USG EXTERIOR CEILING SYSTEMS

## SYSTEMS GUIDE

### Ceiling Product Data Sheets

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#### LINEAR METAL CEILING SYSTEMS

[Paraline® II](#)

[Paraline® Plus](#)

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[Celebration™ Snap-In](#)

[Celebration™ Torsion Spring](#)

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#### LAY-IN PANELS

[USG Sheetrock® Brand Gypsum Lay-In Panels \(GLIP\)](#)

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#### CONTINUOUS CEILINGS

[USG Sheetrock® Brand Drywall with USG Drywall Suspension System \(DWSS\)](#)

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# SYSTEMS OVERVIEW

## Exterior Ceiling Applications

### INTRODUCTION

USG provides six systems for use in exterior environments that are not directly exposed to the weather, such as under soffits, parking garages, covered entrances, or drive-throughs:

- Paraline® II Linear Metal Ceiling System<sup>1</sup>
- Paraline® Plus Linear Metal Ceiling System
- Celebration™ Snap-In Metal Panel Ceiling System
- Celebration™ Torsion Spring Metal Panel Ceiling System
- ZXLA™ with USG Sheetrock® Lay-In Ceiling Panel
- USG Drywall Suspension System

These ceiling systems combine traditional modules, elegant linear pans, or metal panels with a specially engineered suspension system to create dynamic ceilings featuring clean, contemporary planes.

This guide covers flat ceilings attached to perimeter walls on all sides. installed per ASTM C636. For other installations including sloped or curved ceilings consult USG architectural Representative.

These guidelines outline the design considerations, test results, and construction details for the installation of each USG exterior ceiling system. USG exterior assemblies were tested per UL 580, UL 1897, TAS 202, and TAS 203, and listed in PEI Evaluation Report, PER-12055.

For more information about UL Standards, please visit [www.UL.com](http://www.UL.com).

For more information about Florida Building Code Testing Application Standards (TAS), please visit [www.floridabuilding.org](http://www.floridabuilding.org).



<sup>1</sup> The Paraline® II closed-reveal linear metal ceiling is the Paraline® system appropriate for exterior ceiling applications.

# SYSTEMS OVERVIEW

## Exterior Ceiling Applications

### WIND DESIGN NOTES

#### Miles Per Hour (mph) versus Pounds Per Square Foot (psf)

ASCE 7-16, Minimum Design Loads for Buildings and Other Structures, American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI), contains a formula that converts wind speed into static pressure. The formula is a comprehensive approach to include factors such as height or location of the building or directionality of wind loads affecting the structure expressed as:

$$q_z = 0.00256 K_z K_{zt} K_d V^2$$

$q_z$  = velocity pressure evaluated at height  $z$  above the ground (psf)

$K_z$  = velocity pressure exposure coefficient

$K_{zt}$  = topographic factor

$K_d$  = wind directionality factor

$V$  = basic wind speed (mph)

All the test results presented in this guide were achieved by measuring the maximum pressure that the system can withstand. The formula above provides guidance on how to estimate the wind speed correlating to the particular pressure. Because the factors ( $K_z$ ,  $K_{zt}$ ,  $K_d$ ) are project specific, they were conservatively estimated to be equal to one. Therefore, the simplified formula to estimate wind speed based on given pressures is as follows:

$$V = \sqrt{q_z / 0.00256}$$

Wind load provisions of ASCE 7-16 are recognized in the 2018 International Residential Code (IRC) and the 2018 International Building Code (IBC). The information presented is correct to the best of our knowledge at the date of issuance. Because codes continue to evolve, check with a local official prior to designing and installing a ceiling system. Other restrictions and exemptions may apply.

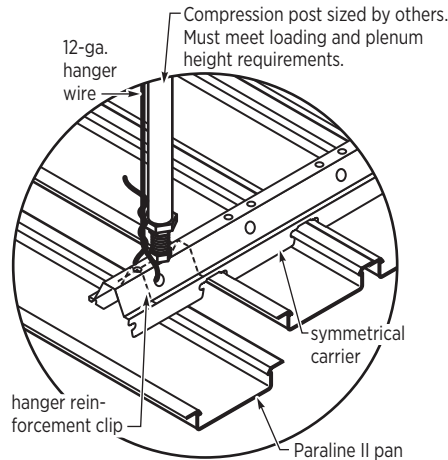
### WIND PRESSURE TEST METHODS

USG exterior assemblies were tested for both uplift (positive) and downward (negative) pressures. The positive values represent uplift capacity and the negative values represent downward capacity. Testing for both positive and negative pressures offers a more complete assessment of the performance of USG assemblies. It also allows USG to evaluate and certify the comparative resistance of USG assemblies to both positive and negative pressures. With the publication of this thorough wind load assessment, design professionals can be assured USG exterior assemblies satisfy the most stringent performance requirements and design criteria.

# PRODUCT SELECTOR

## Linear Metal Ceiling Systems

### PARALINE® II (See page 9)

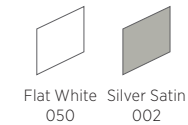


- One part system - pans with integral closed reveal.
- Pans can be removed for plenum access.
- 3-1/4" wide pans, 3/4" integral closed reveal, 12' long pans.
- NOA issued by Miami Dade County.

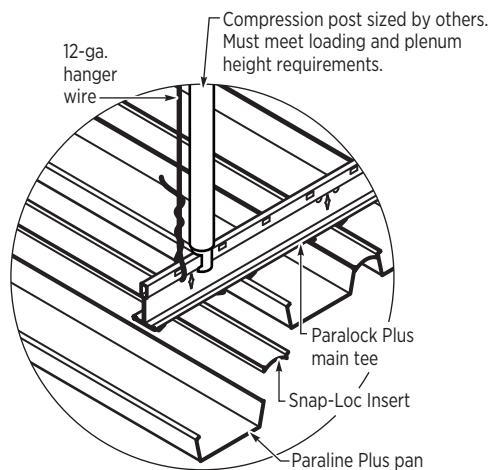
#### PRODUCT PERFORMANCE RANGES

Pressure psf (kPa)		Wind speed mph (Kph)
Up	Down	
46 to 102 (2.20 to 4.88)	-106 (-5.08)	135 to 200 (217 to 322)

#### STANDARD PAINTED METALS



### PARALINE® PLUS (See page 9)

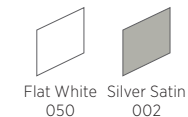


- 2 part system - pans with Snap-Loc inserts to close reveal between pans.
- Snap-Loc inserts and pans can be removed for plenum access.
- 3", 7" & 11" wide, 1" reveal, 12' long pans.
- Approved for installation in seismic category C, D, E, & F.
- Notice of Acceptance (NOA) issued by Miami Dade County.

#### PRODUCT PERFORMANCE RANGES

Pressure psf (kPa)		Wind speed mph (Kph)
Up	Down	
30 to 127 (1.44 to 6.08)	-25 to -38 (-1.20 to -1.82)	98 to 222 (158 to 357)

#### STANDARD PAINTED METALS



#### ANODIZED METALS



#### TIMBRE™



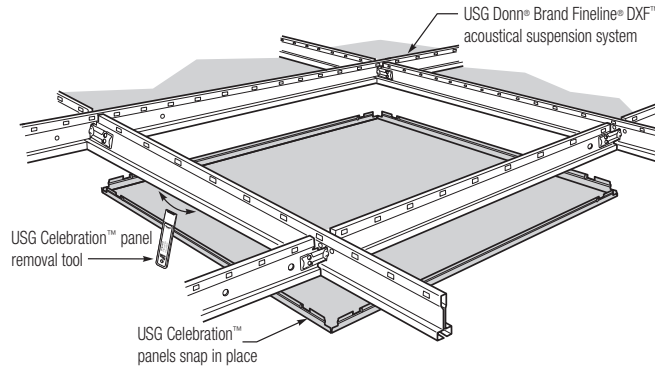
#### WOOD TONES (11" not available in Wood Tones)



# PRODUCT SELECTOR

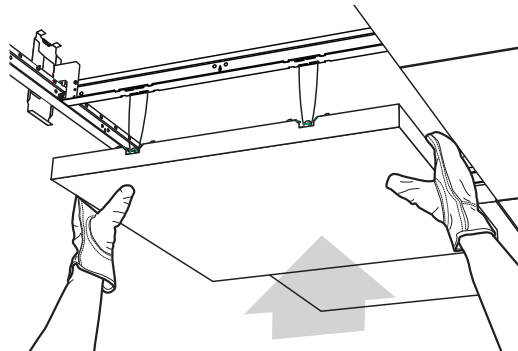
## Metal Panel Ceiling Systems

**CELEBRATION™  
SNAP-IN**  
(See page 25)



- Aluminum panels provide a monolithic appearance.
- Easy Installation into standard USG Donn Brand Fineline "DXFEVH" Acoustical Suspension System.
- Available panel sizes: 2' x 2', 2' x 4', 2' x 6', 2' x 8', 4' x 4', 30" X 30" & 30" X 60".
- Downward panel access is excellent for shallow plenum areas.
- Approved for installation in seismic category C, D, E, & F.
- NOA issued by Miami Dade County.

**CELEBRATION™  
TORSION SPRING  
(WITH HEAVY DUTY ZXLA™)**  
(See page 25)



- Aluminum panels provide a monolithic appearance.
- Spring clip design provides superior panel alignment.
- Full 90-degree swing-down motion.
- Downward panel access is excellent for shallow plenum areas.
- Available panel sizes: 2' x 2', 2' x 4', 2' x 6', 2' x 8' & 4' x 4'.
- Approved for installation in seismic category C, D, E, & F.
- NOA issued by Miami Dade County.

### PRODUCT PERFORMANCE RANGES

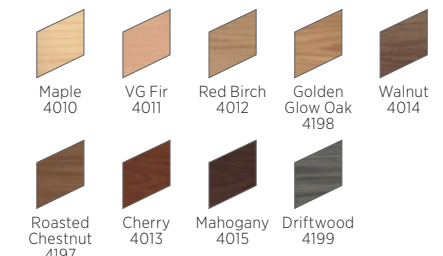
Pressure psf (kPa)		Wind speed mph (Kph)
Up	Down	
30 to 102 (1.44 to 4.88)	-25 to -70 (-1.20 to -3.35)	98 to 222 (158 to 321)

#### STANDARD PAINTED METALS

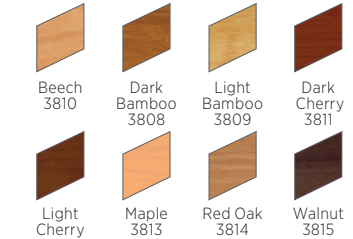


#### ANODIZED METALS

#### TIMBRE™



#### WOOD TONES



### PRODUCT PERFORMANCE RANGES

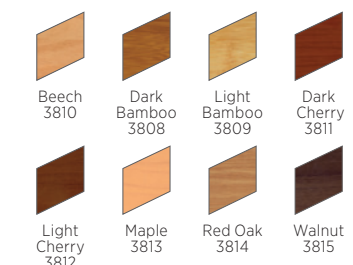
Pressure psf (kPa)		Wind speed mph (Kph)
Up	Down	
15 to 133 (0.72 to 6.37)	-13.3 (-0.64)	77 to 228 (124 to 367)

#### STANDARD PAINTED METALS



#### ANODIZED METALS

#### WOOD TONES



# PRODUCT SELECTOR

## Lay-In Panels

**USG SHEETROCK® BRAND  
LAY-IN PANELS {GLIP}  
(WITH HEAVY DUTY ZXLA™)**  
(See page 39)



### PRODUCT PERFORMANCE RANGES

Pressure psf (kPa)		Wind speed mph (Kph)
Up	Down	
21 to 85 (1.01 to 4.07)	-68 (-3.25)	90 to 182 (145 to 293)

### STANDARD PAINTED METALS

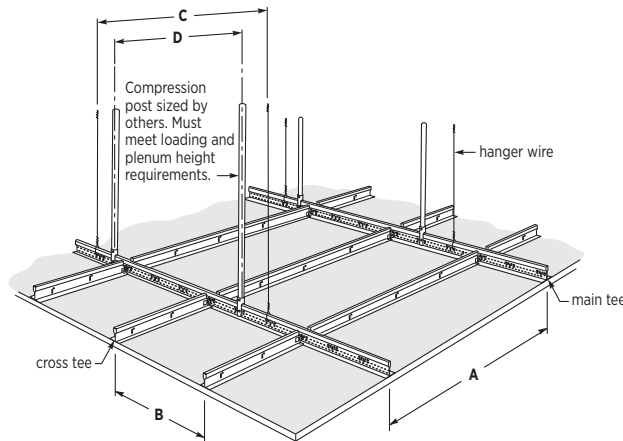


Flat White  
050

- Washable and scrubbable finish-impact and scratch resistant.
- Recommended for garage applications.
- Available panel sizes: 2' x 2' & 2' x 4'.
- Approved for installation in seismic category C, D, E, & F.

## Continuous Ceilings

**DRYWALL  
SUSPENSION SYSTEM**  
(See page 39)



### PRODUCT PERFORMANCE RANGES

Pressure psf (kPa)		Wind speed mph (Kph)
Up	Down	
15 to 90 (0.72 to 4.31)		77 to 188 (124 to 302)

### FIELD PAINTED



- Must be finished for exterior application. See document WB2451 for additional information.
- Apply a synthetic-type direct-applied finish system in accordance with finish manufacturer's recommendations.
- Approved for installation in seismic category C, D, E, & F
- NOA issued by Miami Dade County



# LINEAR METAL CEILING SYSTEMS

## PARALINE® II AND PARALINE® PLUS

PARALINE® II

PARALINE® PLUS

### Technical Data

Main Tee	All Acceptable Panel Sizes (Inch)	Main Tee Spacing (Inch)	Cross Tee Spacing (Inch)	Compression Post Spacing (Inch)	Test Standard	Maximum Load Rating (psf)		Equivalent Wind Speed mph (kph)
						Uplift psf (kPa)	Downward psf (kPa)	
Symmetrical Carrier	3-1/4	24	N/A	24	UL 1897 <sup>1</sup>	102 (4.88)	-106 (-5.08)	200 (322)
	3-1/4	24	N/A	24	UL 580 <sup>2</sup>	90 (4.31)		188 (302)
	3-1/4	48	N/A	24	UL 1897 <sup>1</sup>	46 (2.20)		135 (217)
Paralock Plus	3, 7, 11	48	24	24	UL 580 <sup>2</sup>	30 (1.44)		98 (158)
	3, 7, 11	48	24	24	UL 1897 <sup>1</sup>	55 (2.63)		147 (237)
	3	24	24	24	UL 1897 <sup>1</sup>	127 (6.08)	-38 (-1.82)	222 (357)
	7, 11	24	24	24	UL 1897 <sup>1</sup>	127 (6.08)	-25 (-1.20)	222 (357)
	3, 7, 11	24	24	24	UL 580 <sup>2</sup>	90 (4.31)		188 (302)
	3, 7, 11	24	24	30	UL 580 <sup>2</sup>	60 (2.87)		153 (246)
	3 and 7	24	24	24	Miami Dade NOA TAS 202 & 203 <sup>3</sup>	75 (3.59)	-35 (-1.68)	171 (275)

<sup>1</sup> Factor of safety of 1.17 is included

<sup>2</sup> Factor of safety of 1.5 for 30 psf; 1.3 for 60 psf; 1.17 for 90 psf is included per test standard

<sup>3</sup> Factor of safety of 1.5 is included per test standard



# LINEAR METAL CEILING SYSTEMS

## PARALINE® II AND PARALINE® PLUS

### WIND RESISTANCE

USG Paraline® ceiling systems may be used for protected exterior applications not directly exposed to the weather. The Paraline® II and Paraline® Plus systems have been tested for wind load resistance. The two units of measure commonly used are miles per hour (mph) and pounds per square foot (psf), equated by the methods in ASCE 7, Minimum Design Loads for Buildings and Other Structures, American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI).<sup>1</sup>

**Limitations:** The Paraline® finish is not UV-resistant; therefore, these ceiling systems should not be installed where direct exposure to sun or weather will occur, such as fascias or facades. These ceiling systems are not suitable for areas subject to high concentrations of acid rain. Indirect exposure to severe environmental conditions may shorten the lifespan of these products. The specific design of exterior ceiling installations requires the review and approval of the architect or engineer of record. For more information refer to *Paraline® Linear Metal Ceiling Systems IC463*.

### TECHNICAL DATA

- 
- The wind pressure is presented in accordance with applicable test standards.
  - The compression posts used for the tests were minimum 1-5/8", 20-gauge steel studs. (maximum length of 24")
  - For Paraline® II tests, EMT conduit with USG top and bottom clips were used.

### GUIDELINES

- 
- The building structure from which the Paraline® system is suspended, as well as hanger wire and compression post attachment connections must be capable of withstanding the design loads connections. For further information on the compression post, see page 50
  - Other materials can be used for compression posts, provided the capacity and attachment connections are approved for use by a structural engineer of record.
  - The architect's details must cover the design and location of expansion joints and meet all applicable building code requirements.

### PANEL SIZES

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The Paraline® II and Paraline® Plus systems presented in this guide can accommodate 3-1/4" wide pans for Paraline® II and 3", 7" & 11" wide Paraline® Plus pan sizes.

<sup>1</sup> The system shall comply with local wind load requirements. The engineer of record shall determine the final recommendation for the design wind pressure requirements of each project.

For more information about Paraline® linear metal ceiling systems, visit [usg.com](http://usg.com)

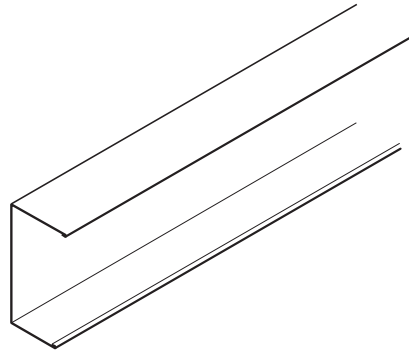
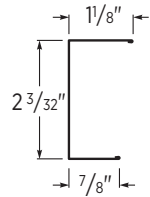
# LINEAR METAL CEILING SYSTEMS

## PARALINE® II

### System Components

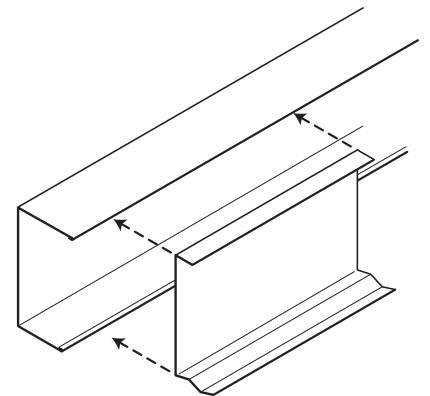
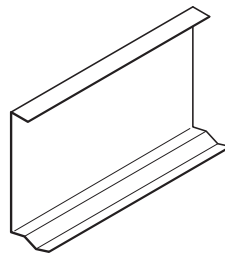
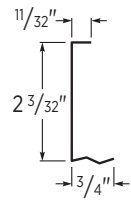
#### PERIMETER MOLDING

U-2-3/32



#### ACCESSORIES

U-2-3/32 Hold-Down Clip

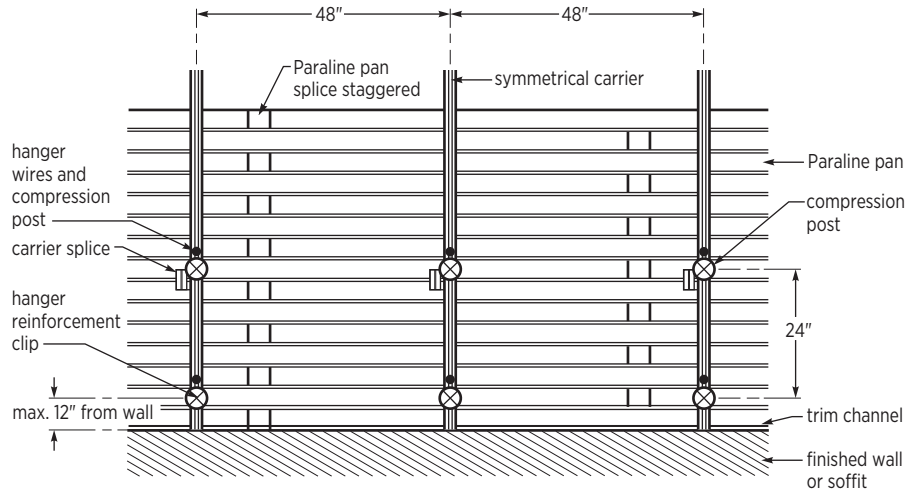


# LINEAR METAL CEILING SYSTEMS

## PARALINE® II

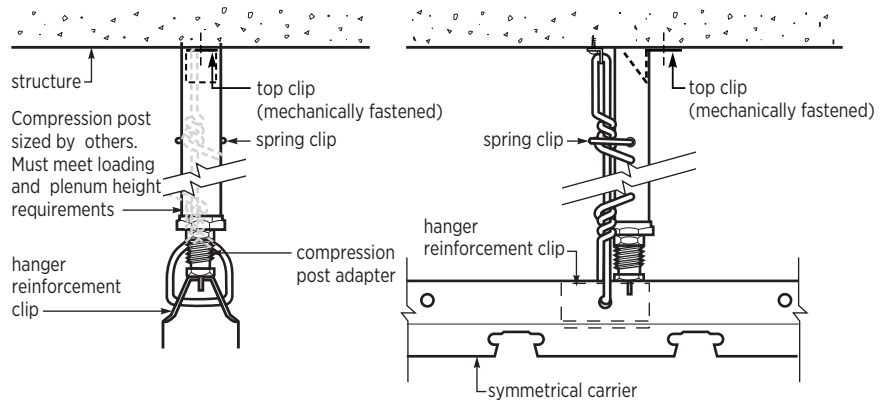
### Application Details

#### GENERAL LAYOUT<sup>1</sup>

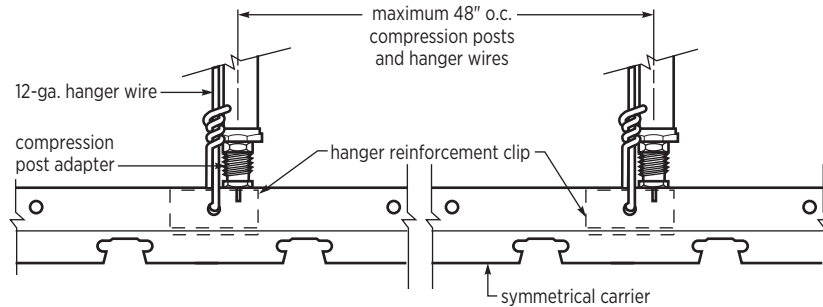


<sup>1</sup> The product layout and spacing will vary based on the load rating and uplift class. Refer to the technical data and associated reference pages for details.

#### USG SYMMETRICAL CARRIER RUN



#### COMPRESSION POST DETAIL



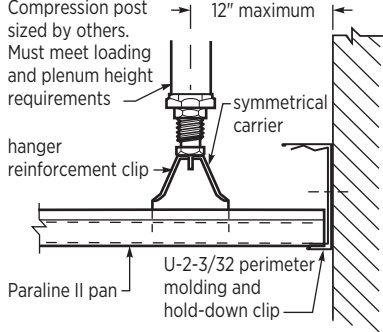
# LINEAR METAL CEILING SYSTEMS

## PARALINE® II

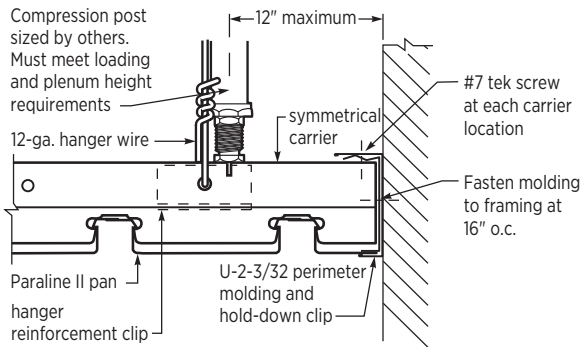
### Application Details

#### WALL INTERSECTION

#### Pans Perpendicular to Wall



#### Pans Parallel to Wall



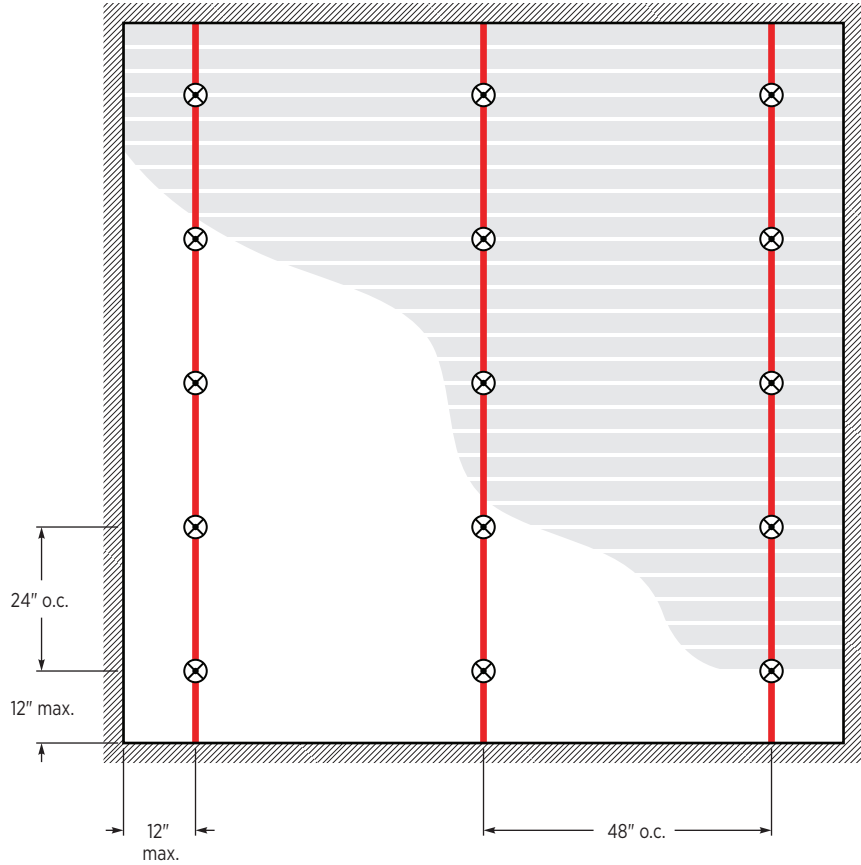
# LINEAR METAL CEILING SYSTEMS

## PARALINE® II

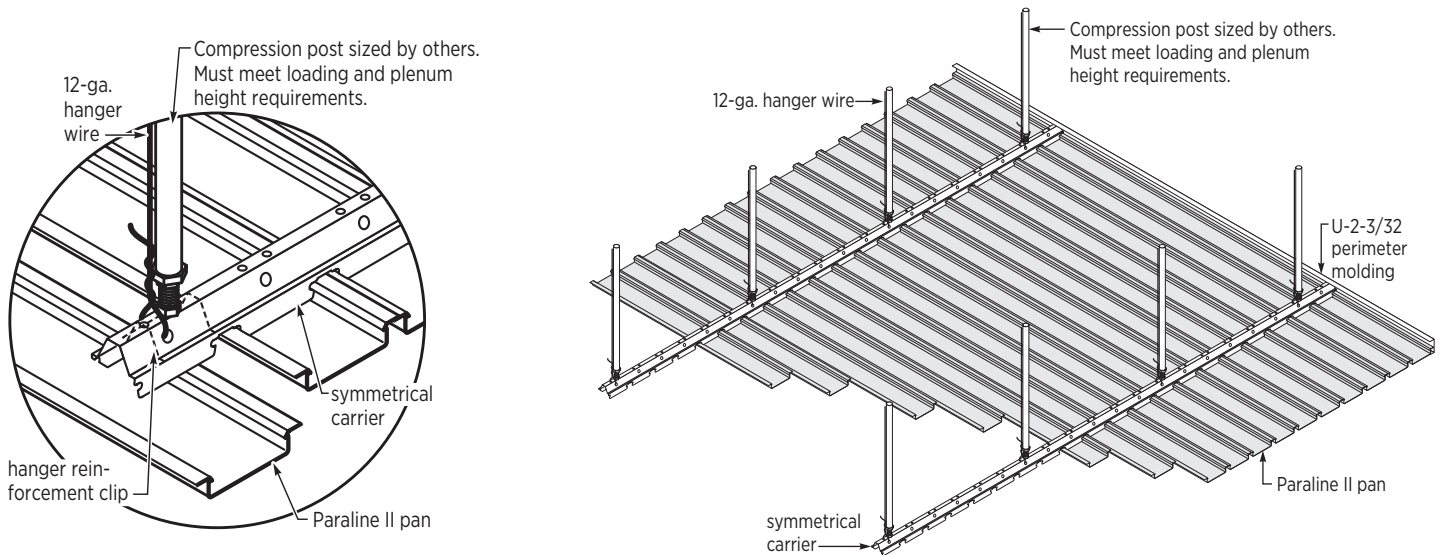
**UL 1897**  
**46 psf**

**Main Tees:** 48 in. o.c.  
**Compression Posts:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- Paraline® Symmetrical Carrier



### Paraline® II Assembly



# LINEAR METAL CEILING SYSTEMS

## PARALINE® II

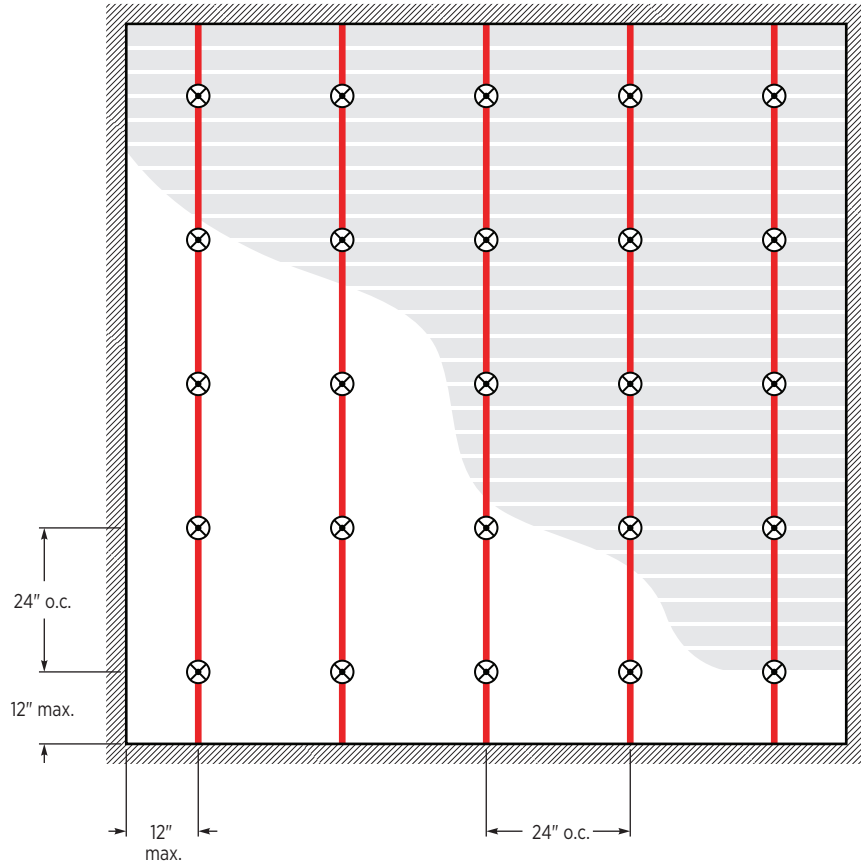
**UL 580**  
**Class 90**

**Main Tees:** 24 in. o.c.

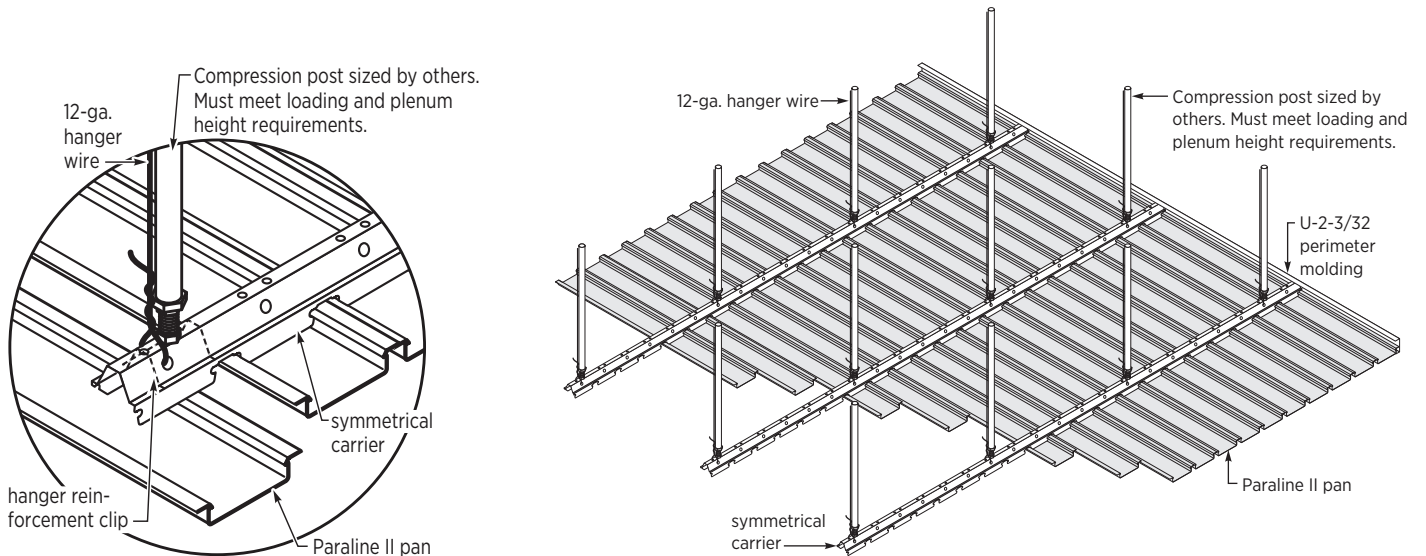
**Compression Posts:** 24 in. o.c.

⊗ Hanger & Compression Post

— Paraline® Symmetrical Carrier



### Paraline® II Assembly



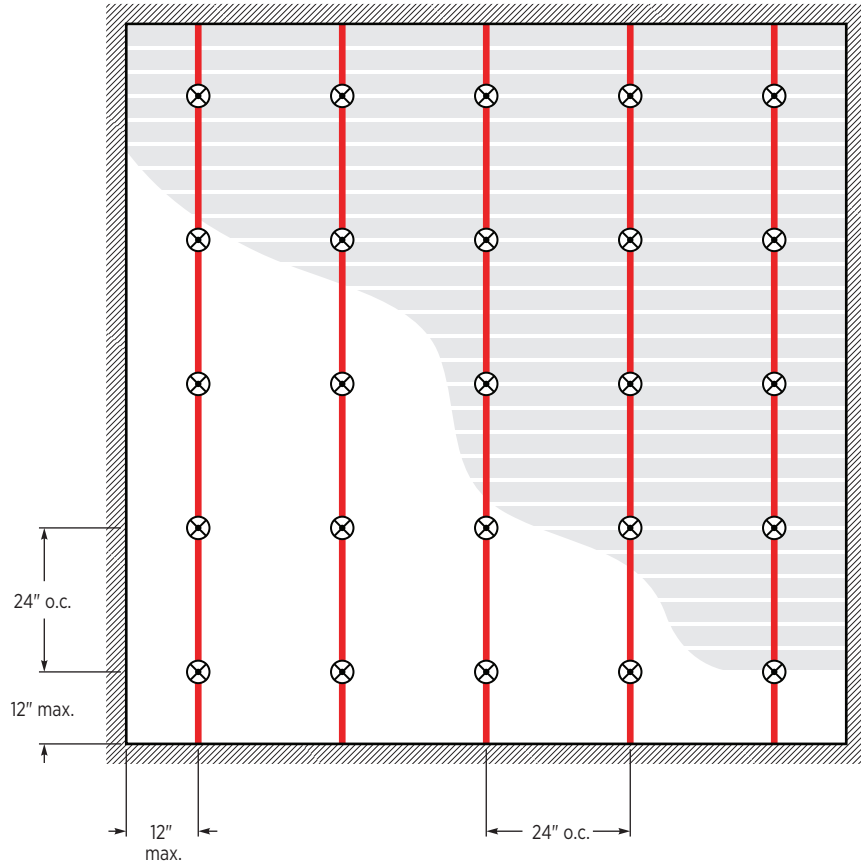
# LINEAR METAL CEILING SYSTEMS

## PARALINE® II

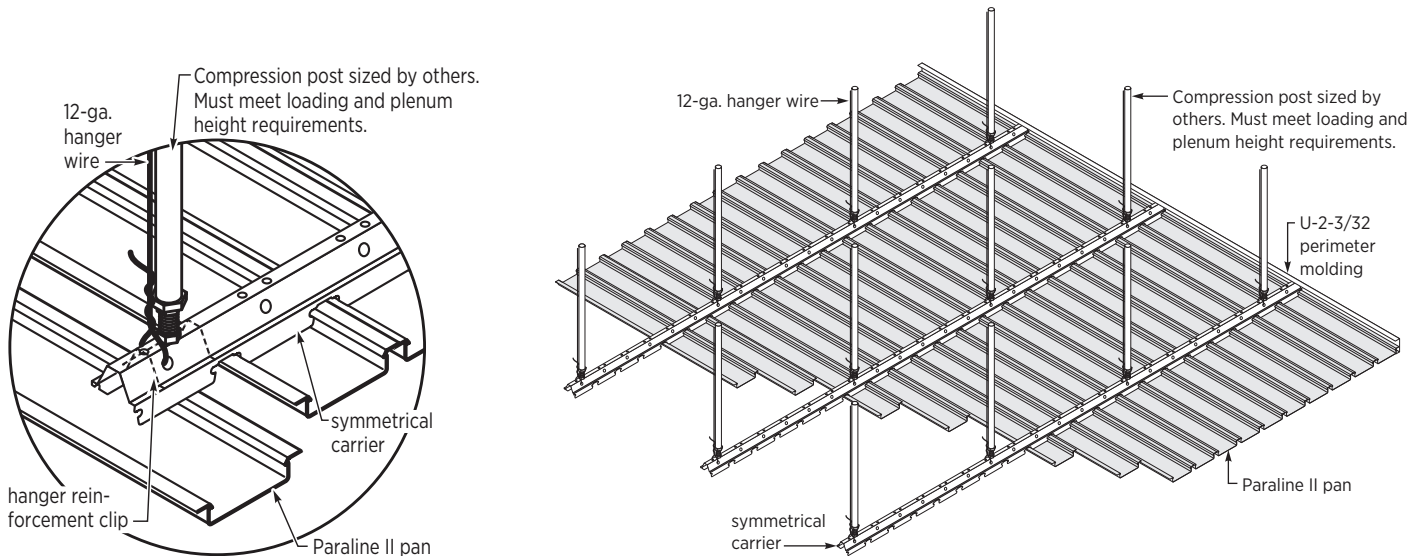
**UL 1897**  
**106 psf (Downward)**

**Main Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- Paraline® Symmetrical Carrier



### Paraline® II Assembly





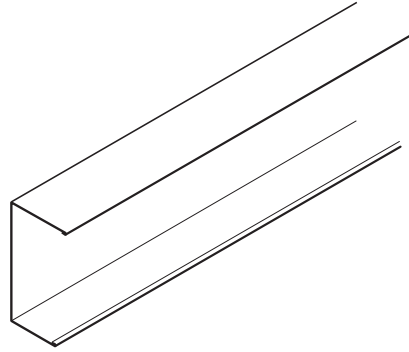
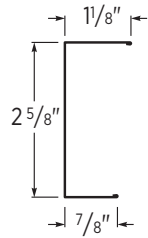
# LINEAR METAL CEILING SYSTEMS

## PARALINE® PLUS

### System Components

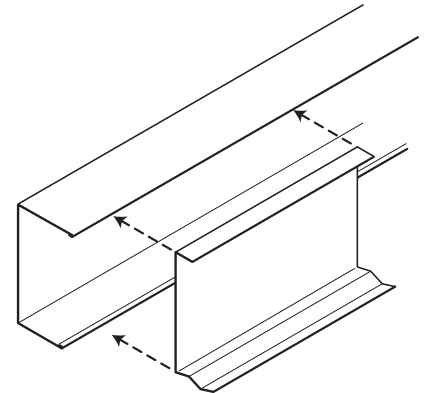
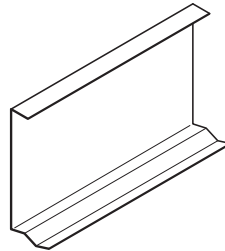
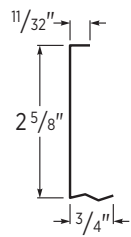
#### PERIMETER MOLDING

U-2-5/8



#### ACCESSORIES

U-2-5/8 Hold-Down Clip

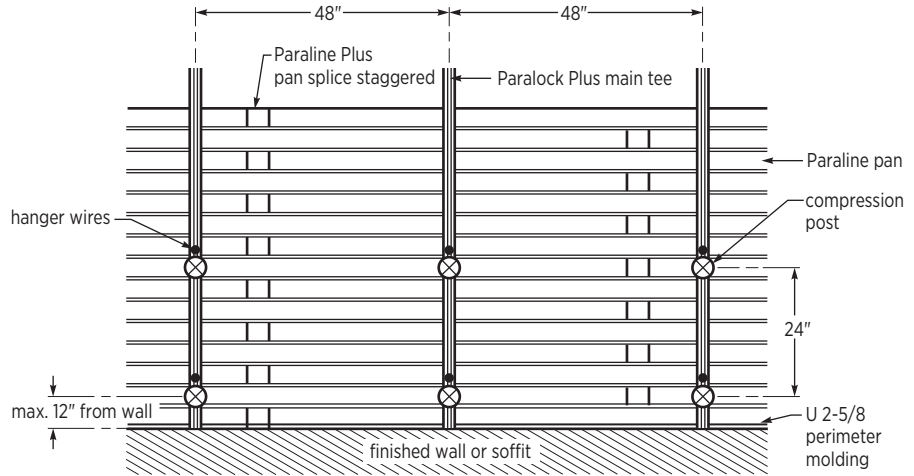


# LINEAR METAL CEILING SYSTEMS

## PARALINE® PLUS

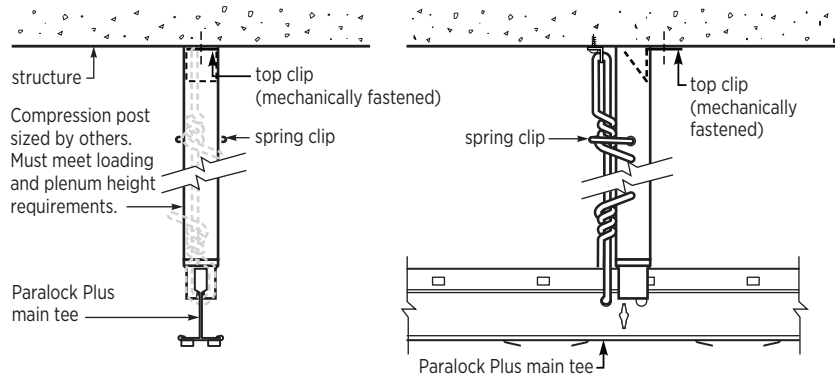
### Application Details

#### GENERAL LAYOUT<sup>1</sup>

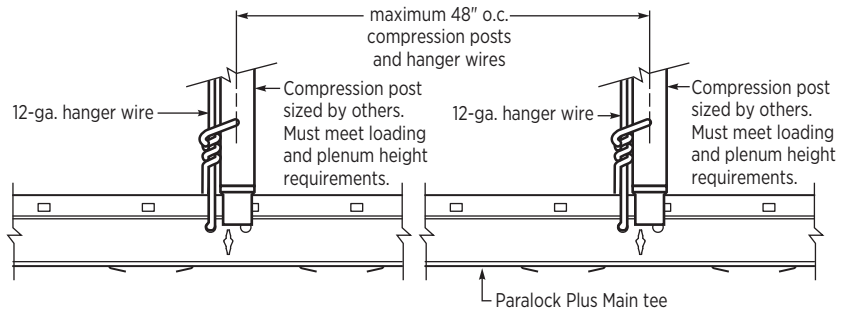


<sup>1</sup> The product layout and spacing will vary based on the load rating and uplift class. Refer to the technical data and associated reference pages for details.

#### PARALOCK CARRIER RUN



#### POST DETAIL



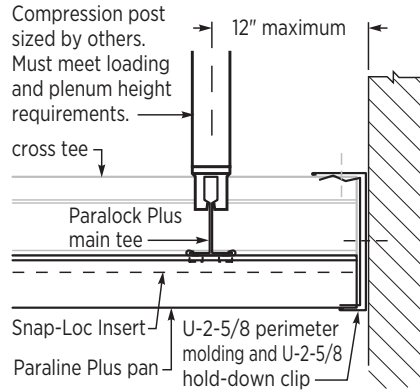
# LINEAR METAL CEILING SYSTEMS

## PARALINE® PLUS

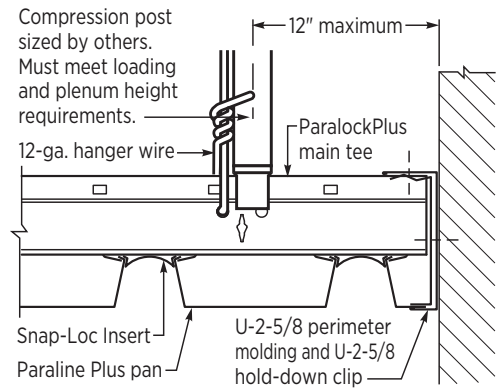
### Application Details

#### WALL INTERSECTION

#### Pans Perpendicular to Wall



#### Pans Parallel to Wall



# LINEAR METAL CEILING SYSTEMS

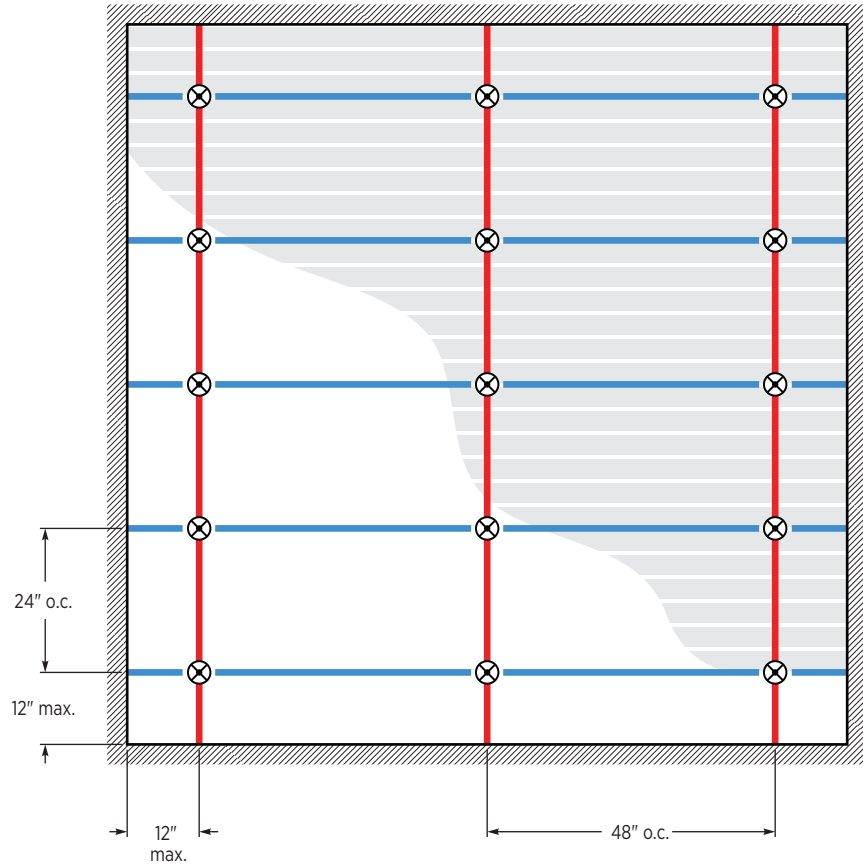
## PARALINE® PLUS

**UL 580**  
**Class 30**

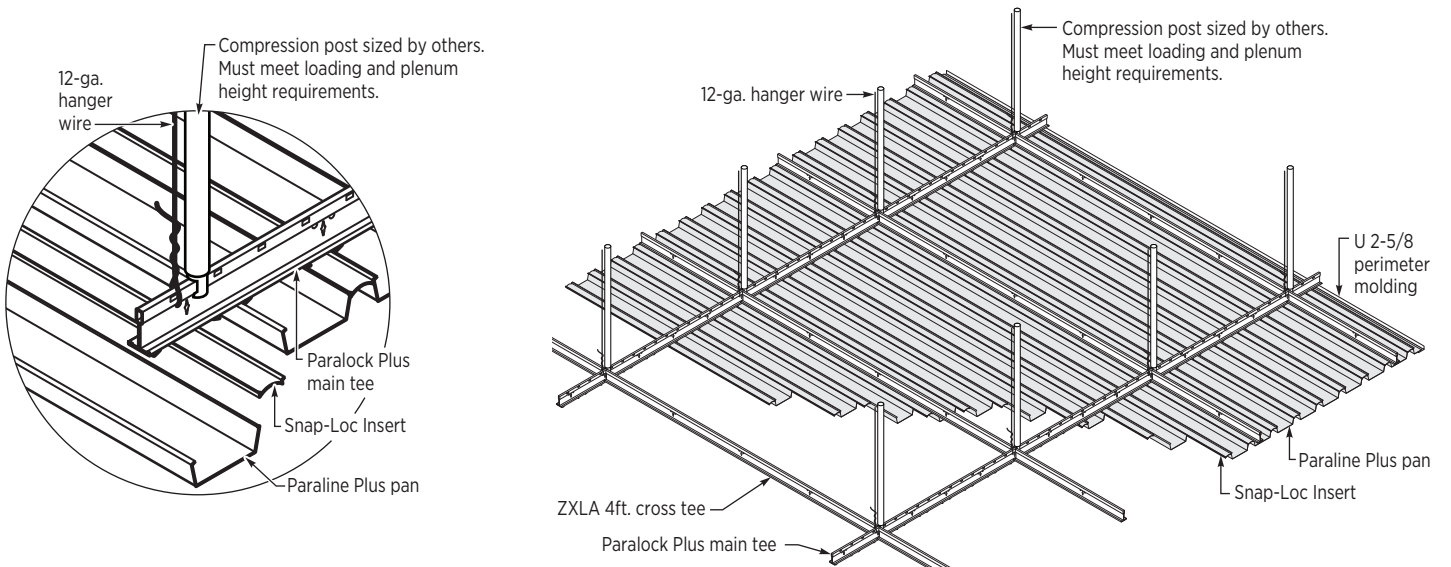
**UL 1897**  
**55 psf**

**Main Tees:** 48 in. o.c.  
**Compression Posts:** 24 in. o.c.  
**Cross Tees:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- Paralock Plus Main Tee
- ZXLA424 (48 in. Cross Tee)



### Paraline® Plus Assembly



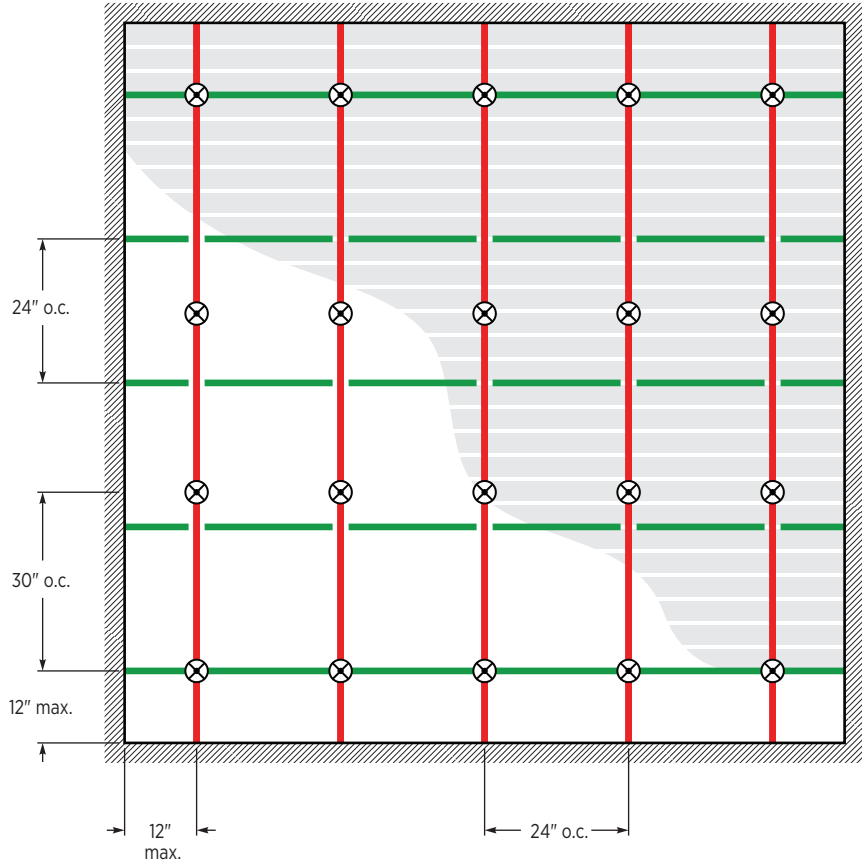
# LINEAR METAL CEILING SYSTEMS

## PARALINE® PLUS

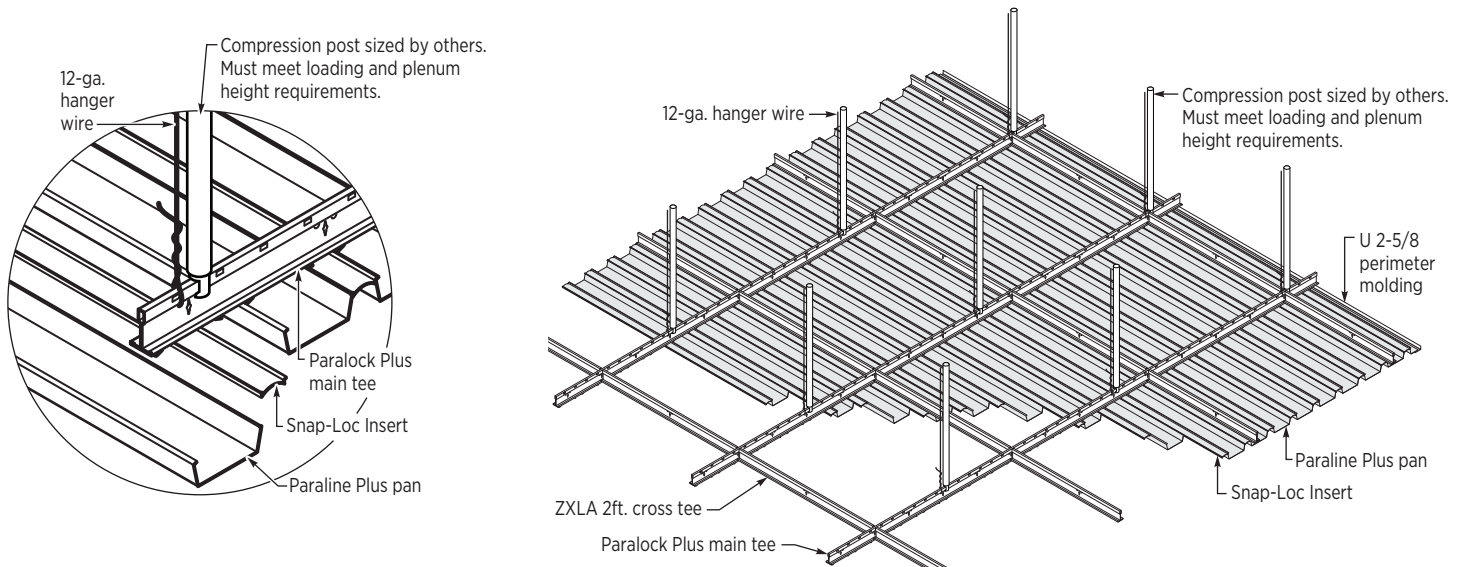
**UL 580**  
**Class 60**

**Main Tees:** 24 in. o.c.  
**Compression Posts:** 30 in. o.c.  
**Cross Tees:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- Paralock Plus Main Tee
- ZXLA224 (24 in. Cross Tee)



### Paraline® Plus Assembly



# LINEAR METAL CEILING SYSTEMS

## PARALINE® PLUS

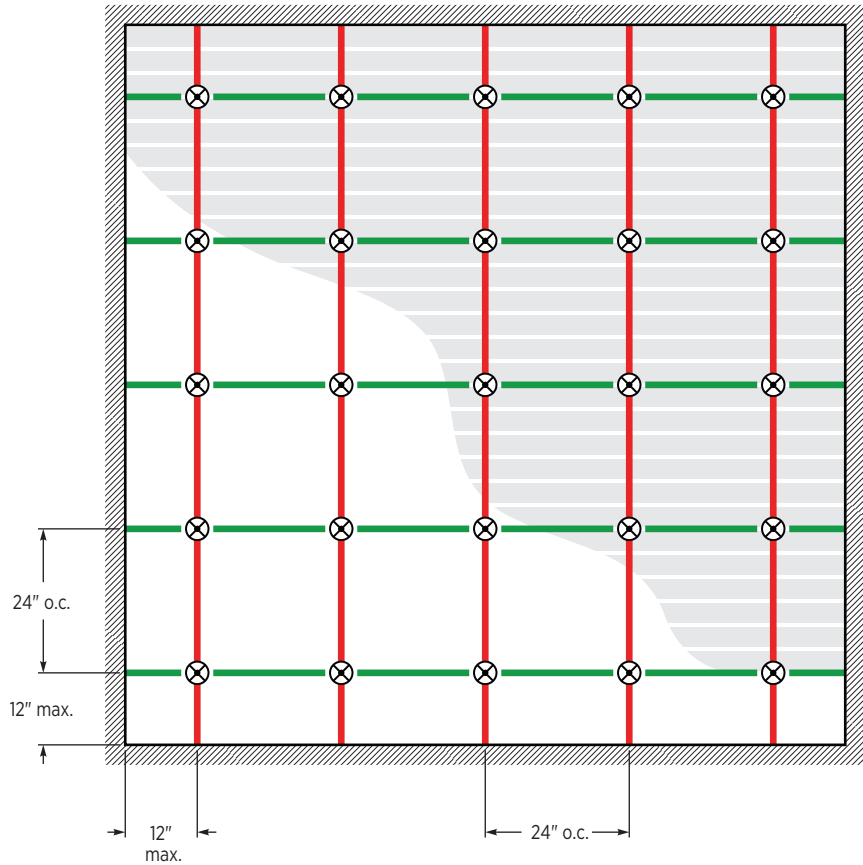
**UL 580**  
**90 psf**

**UL 1897**  
**102 psf**

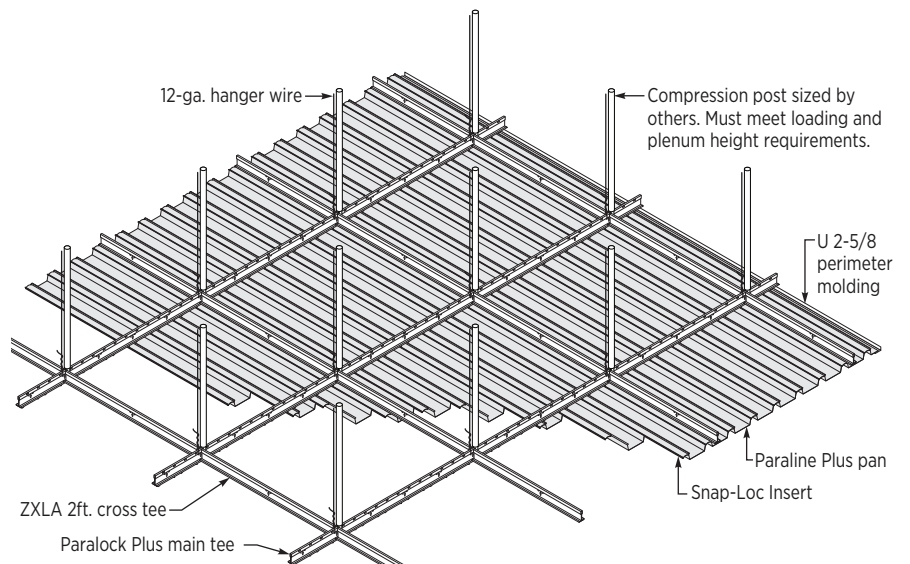
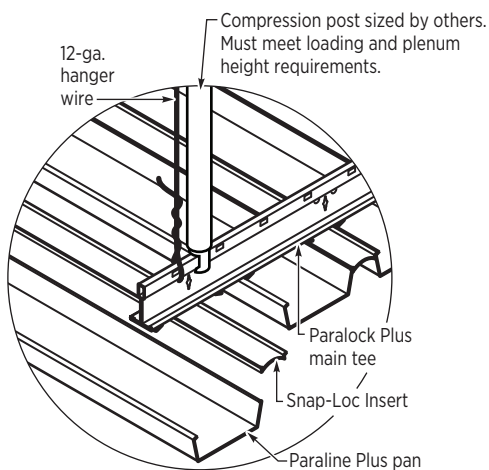
**Miami-Dade NOA No. 15-12223.05**  
**171 mph**

**Main Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.  
**Cross Tees:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- Paralock Plus Main Tee
- ZXLA224 (24 in. Cross Tee)



### Paraline® Plus Assembly



# LINEAR METAL CEILING SYSTEMS

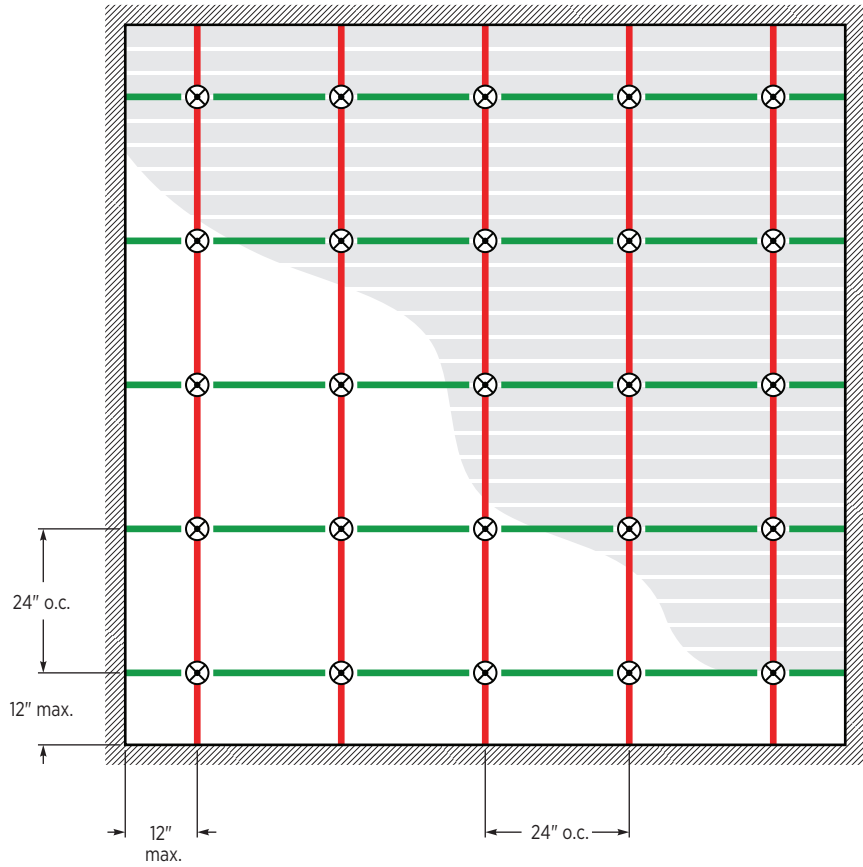
## PARALINE® PLUS

### UL 1897

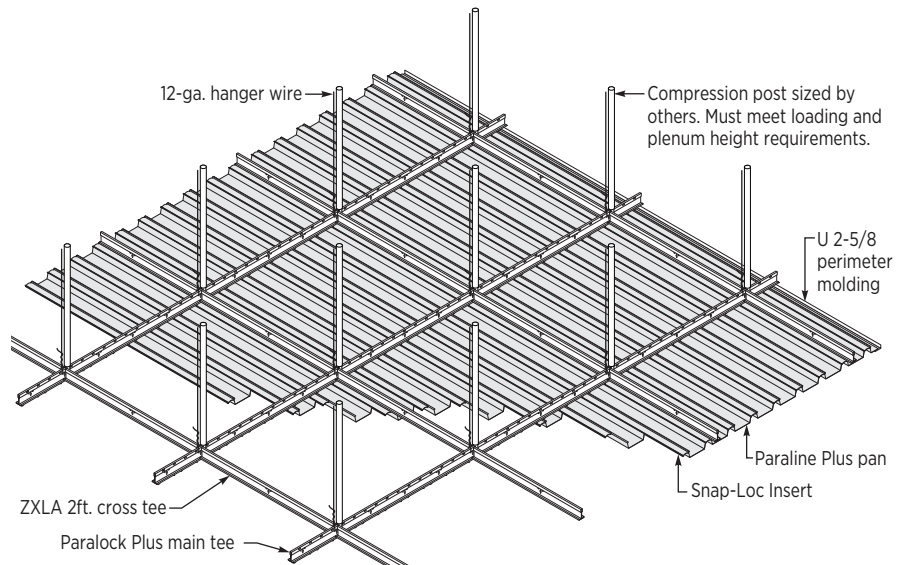
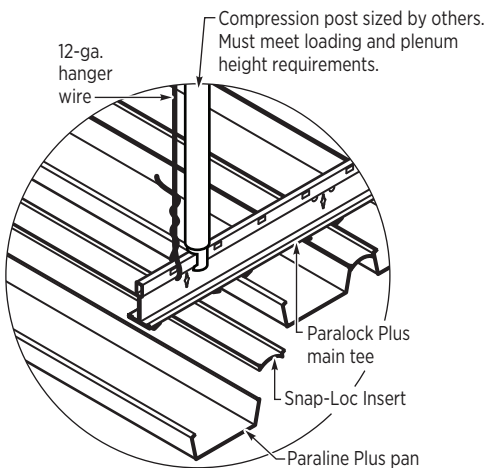
### 17 psf (Downward Load)

**Main Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.  
**Cross Tees:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- Paralock Plus Main Tee
- ZXLA224 (24 in. Cross Tee)



#### Paraline® Plus Assembly



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# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ SNAP-IN

## CELEBRATION™ TORSION SPRING

CELEBRATION™  
SNAP-IN

CELEBRATION™  
TORSION SPRING

### Technical Data

Main Tee	All Acceptable Panel Sizes (Inch)	Main Tee Spacing (Inch)	Cross Tee Spacing (Inch)	Compression Post Spacing (Inch)	Test Standard	Maximum Load Rating (psf)		Equivalent Wind Speed mph (kph)
						Uplift psf (kPa)	Downward psf (kPa)	
<b>DXFEVH2924</b>	12 x 24, 12 x 48 24 x 24, 24 x 48	48	24	24	UL 1897 <sup>1</sup>	30 (1.44)	-25 (-1.20)	98 (158)
	24 x 24, 24 x 48 24 x 72, 24 x 96	24	24	24	UL 580 <sup>2</sup>	90 (4.31)		188 (302)
	24 x 24, 24 x 48 24 x 72, 24 x 96	24	24	24	UL 1897 <sup>1</sup>	102 (4.88)		200 (321)
	24 x 24, 24 x 48	24	24	24	Miami Dade NOA TAS 202 & 203 <sup>3</sup>	80 (3.83)	-70 (-3.35)	176 (283)
<b>DXFEVH2930</b>	30 x 30, 30 x 60	30	30	30	UL 1897 <sup>1</sup>	72 (3.45)	-51 (-2.44)	141 (227)
	30 x 30, 30 x 60	30	30	30	UL 580 <sup>2</sup>	60 (2.87)		153 (246)
<b>ZXLA26</b>	24 x 24, 24 x 48	24	24	24	UL 580 <sup>2</sup>	90 (4.31)		188 (302)
	24 x 24, 24 x 48	24	24	24	UL 1897 <sup>1</sup>	133 (6.37)		228 (367)
	24 x 24	24	24	24	Miami Dade NOA TAS 202 & 203 <sup>3</sup>	73.3 (3.51)	-13.3 (-0.64)	170 (274)
	24 x 72	72	24	48/24	UL 580 <sup>2</sup>	30 (1.44)		98 (158)
	48 x 48	48	24	48	UL 580 <sup>2</sup>	15 (0.72)		77 (124)
	24 x 48, 24 x 96	48	24	24	UL 580 <sup>2</sup>	30 (1.44)		98 (158)

<sup>1</sup> Factor of safety of 1.17 is included

<sup>2</sup> Factor of safety of 1.5 for 30 psf; 1.3 for 60 psf; 1.17 for 90 psf is included per test standard

<sup>3</sup> Factor of safety of 1.5 is included per test standard

# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ SNAP-IN

## CELEBRATION™ TORSION SPRING

### WIND RESISTANCE

Both USG Celebration™ Snap-In and Torsion Spring metal panel ceiling systems may be used for protected exterior applications not directly exposed to the weather. Celebration™ Snap-In and Torsion Spring metal panel ceiling systems have been tested for wind load resistance. The two units of measure commonly used are miles per hour (mph) and pounds per square foot (psf), equated by methods in ASCE 7, Minimum Design Loads for Buildings and Other Structures, American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI).<sup>1</sup>

**Limitations:** The Celebration™ finish is not UV-resistant; therefore, the Celebration™ Snap-In and Torsion Spring metal panel ceiling systems should not be installed where direct exposure to sun or weather will occur, such as fascias or facades. These systems are not suitable for areas subject to high concentrations of acid rain. Indirect exposure to severe environmental conditions may shorten the lifespan of these products. The specific design of exterior ceiling installations requires the review and approval of the architect or engineer of record. For more information refer to *Celebration™ and Panz™ Metal Ceiling Systems*, IC415.

### TECHNICAL DATA

- 
- The wind pressure is presented in accordance with applicable test standards.
  - The compression posts used for the tests were minimum 1-5/8", 20-gauge steel studs. (maximum length of 24")

### GUIDELINES

- 
- The building structure from which the Celebration™ Snap-In or Torsion Spring ceiling system is suspended and spaced, as well as the hanger wire, compression posts, or studs used in the assembly, must be capable of withstanding the design loads. For further information on the compression posts see page 50.
  - Heavy duty main tees shall be used.
  - Other materials can be used for compression posts provided the capacity and attachment connections are approved for use by a structural engineer of record.
  - The architect's details must cover the design and location of expansion joints and meet all applicable building code requirements.
  - Arrowhead Reveal Spacers (CA1) shall be installed.

### PANEL SIZES

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The Celebration™ Snap-In systems presented in this guide can accommodate all available panel sizes. The performance values are not limited to a particular panel size. All available panel sizes will meet the performance values presented.

The Celebration™ Torsion Spring systems presented in this guide can accommodate the following panel sizes: 2ft.x2ft., 2ft.x4ft., 2ft.x6ft., 2ft.x8ft., and 4ft.x4ft.

<sup>1</sup> The system shall comply with local wind load requirements. The engineer of record shall determine the final recommendation for the design wind pressure requirements of each project.

For more information about Paraline® linear metal ceiling systems, visit [usg.com](http://usg.com)

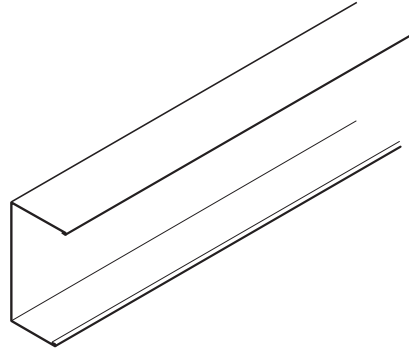
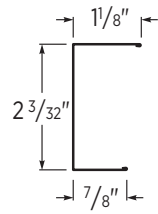
# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ SNAP-IN

### System Components

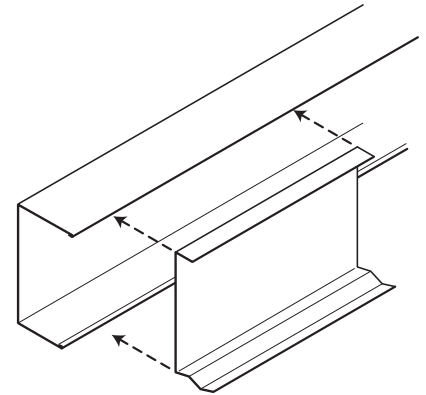
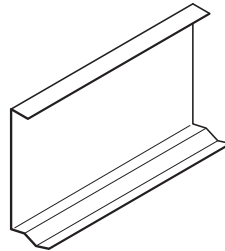
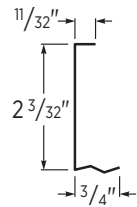
#### PERIMETER MOLDING

U-2-3/32

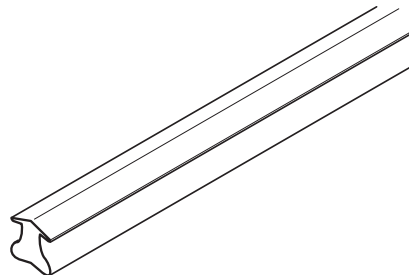
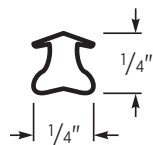


#### ACCESSORIES

U-2-3/32 Hold-Down Clip



CA1 Arrowhead Reveal Spacer



# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ SNAP-IN

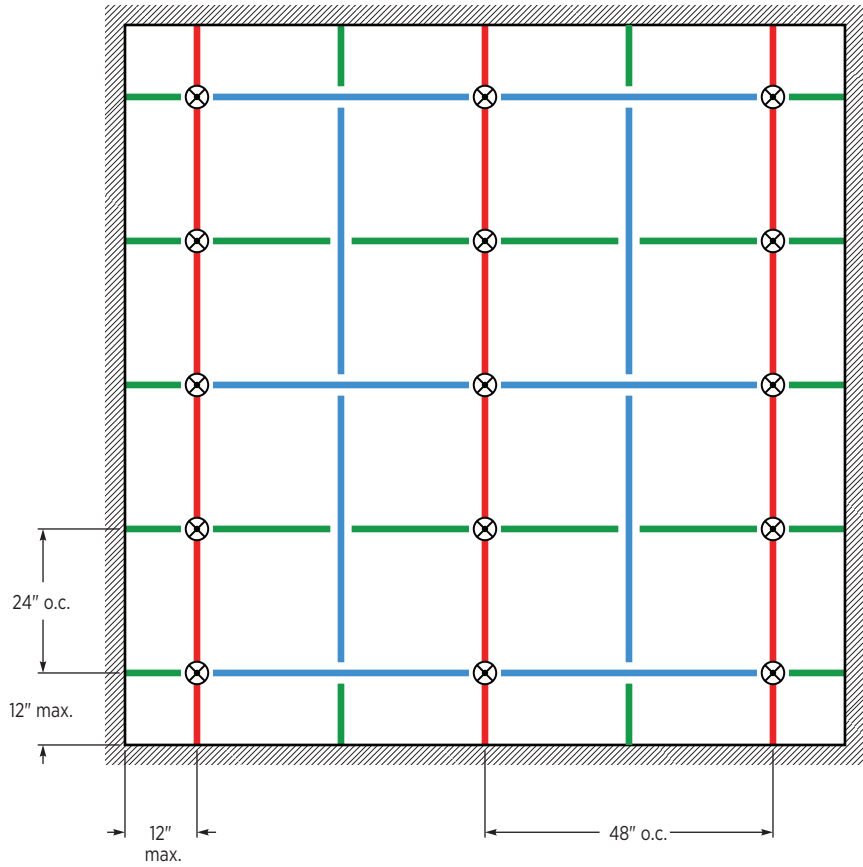
### UL 1897

### 25 psf (Downward Load)

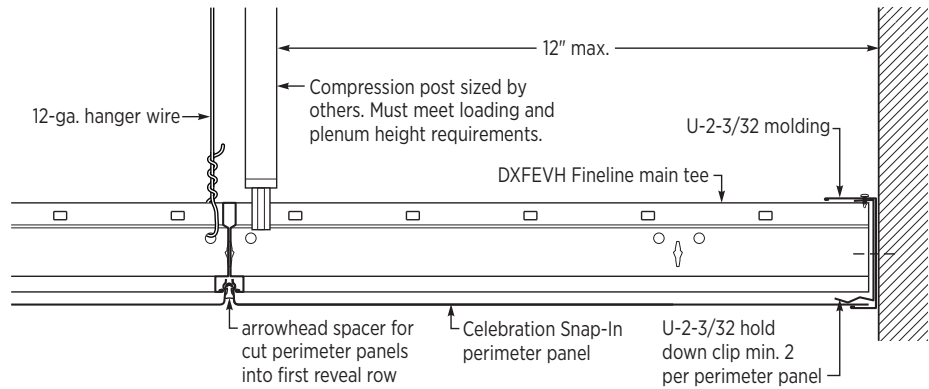
**Main Tees:** 48 in. o.c.  
**Cross Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.

- ⊗ Hanger & Compression Post
- DXFEVH2924 (Heavy Duty Main Tee)
- DXFEV429N (48 in. Cross Tee)
- DXFEV229 (24 in. Cross Tee)

**Note:** Celebration™ Snap-In panels cannot be installed across a main tee and a 4 ft. cross tee.



### PERIMETER CONDITIONS



**Note:** A fastener attachment through the top leg of the molding into the tee bulb is required.

# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ SNAP-IN

**UL 580**  
**Class 90**

**UL 1897**  
**102 psf**

**Miami-Dade NOA No. 15-12223.04**  
**176 mph**

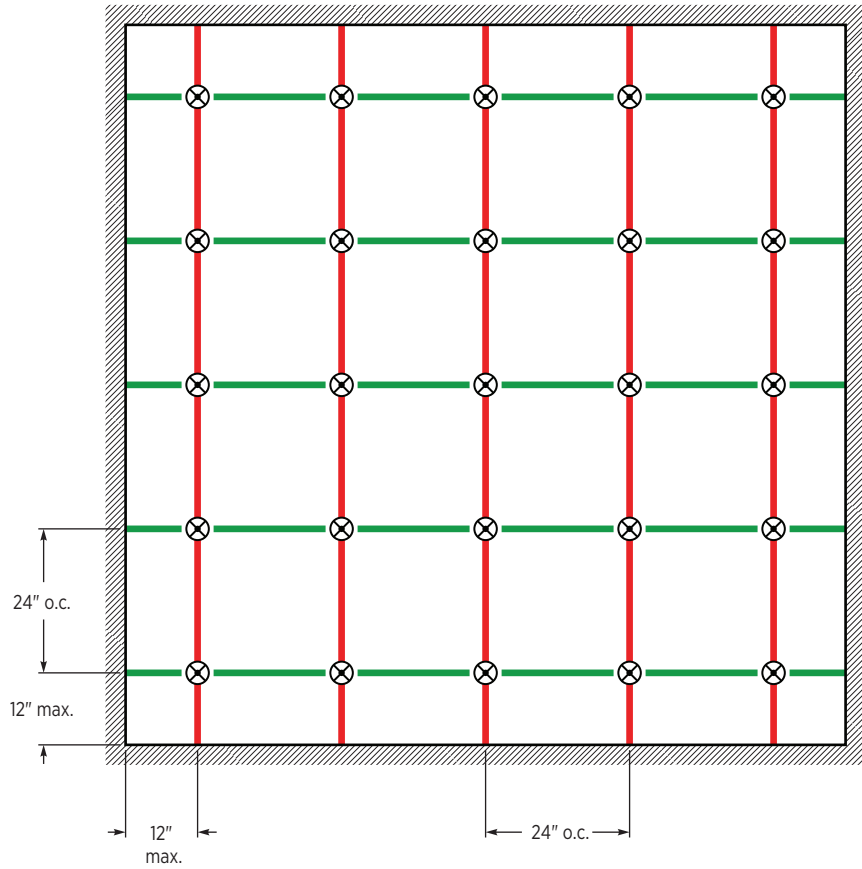
**Main Tees:** 24 in. o.c.  
**Cross Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.

⊗ Hanger & Compression Post

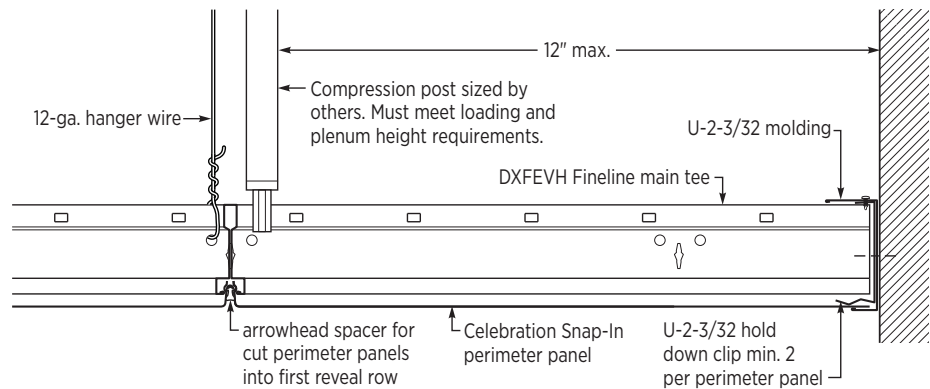
— DXFEVH2924  
(Heavy Duty Main Tee)

— DXFEV229 (24 in. Cross Tee)

**Note:** Celebration™ Snap-In panels cannot be installed across a main tee.



### PERIMETER CONDITIONS



# METAL PANEL CEILING SYSTEMS

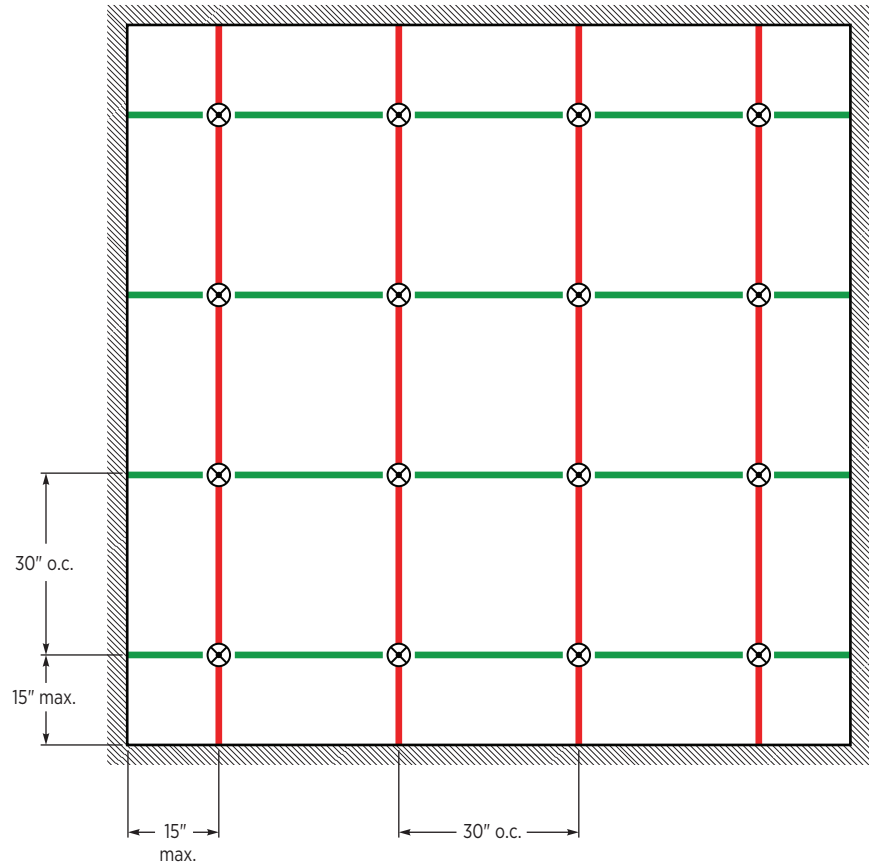
## CELEBRATION™ SNAP-IN

**UL 1897**  
**51 psf**

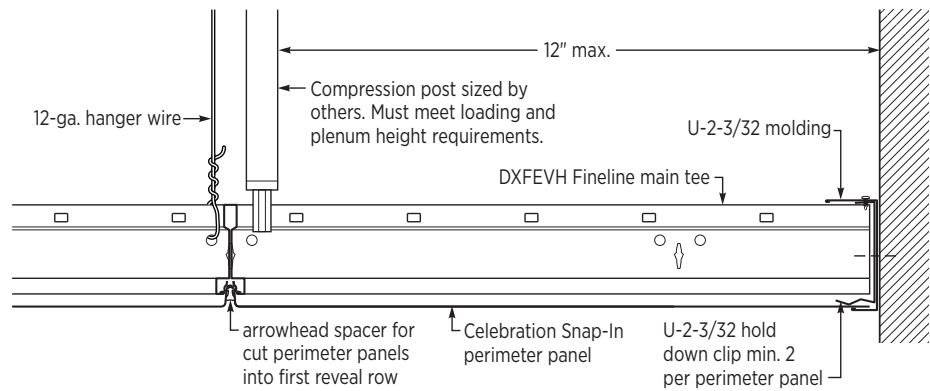
**Main Tees:** 30 in. o.c.  
**Cross Tees:** 30 in. o.c.  
**Compression Posts:** 30 in. o.c.

- ⊗ Hanger & Compression Post
  - DXFEVH2930 (Heavy Duty Main Tee)
  - DXFEV30 (30 in. Cross Tee)<sup>1</sup>
- <sup>1</sup> Special Order

**Note:** Celebration™ Snap-In panels cannot be installed across a main tee.



### PERIMETER CONDITIONS



# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ SNAP-IN

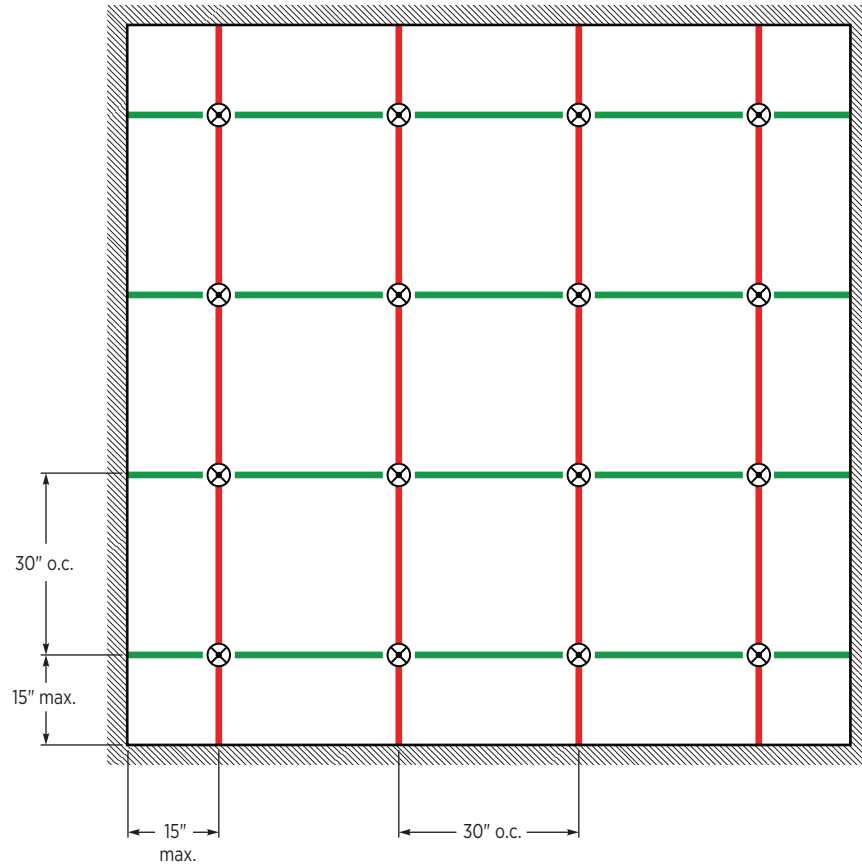
**UL 1897**  
**68 psf**

**UL 580**  
**Class 60**

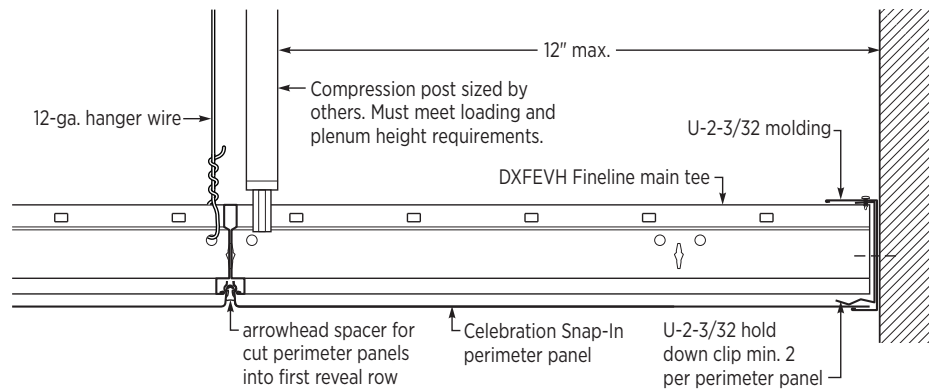
**Main Tees:** 30 in. o.c.  
**Cross Tees:** 30 in. o.c.  
**Compression Posts:** 30 in. o.c.

- ⊗ Hanger & Compression Post
  - DXFEVH2930 (Heavy Duty Main Tee)
  - DXFEV30 (30 in. Cross Tee)<sup>1</sup>
- <sup>1</sup> Special Order

**Note:** Celebration™ Snap-In panels cannot be installed across a main tee.



### PERIMETER CONDITIONS



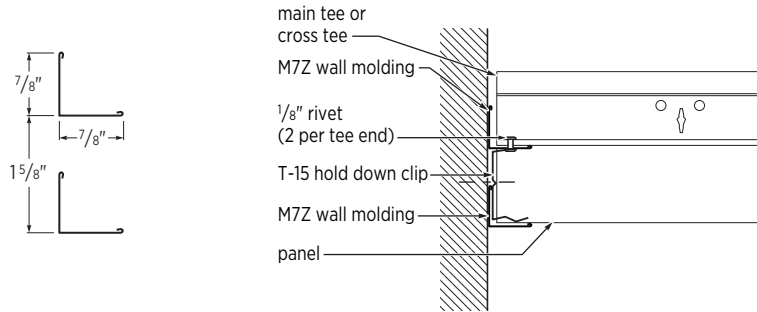
# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ TORSION SPRING

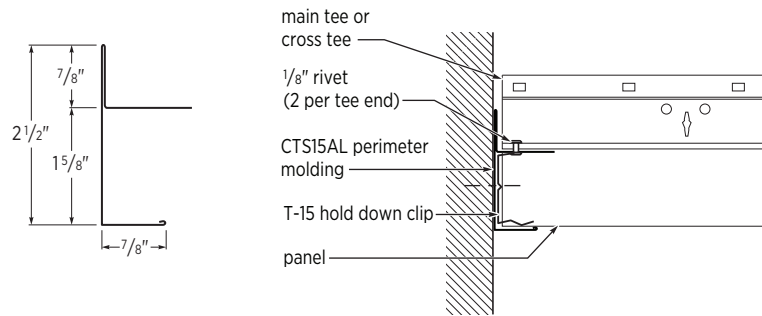
### System Components

#### PERIMETER MOLDING

#### Option 1 Two Layers of M7Z

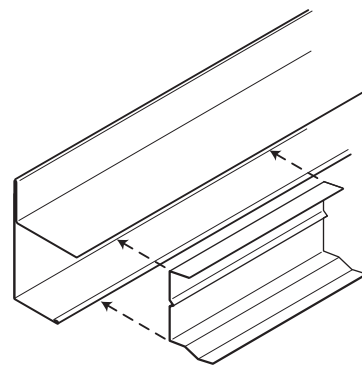
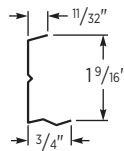


#### Option 2 CTS15AL Perimeter Molding



#### ACCESSORIES

#### T15 Hold-Down Clip





# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ TORSION SPRING

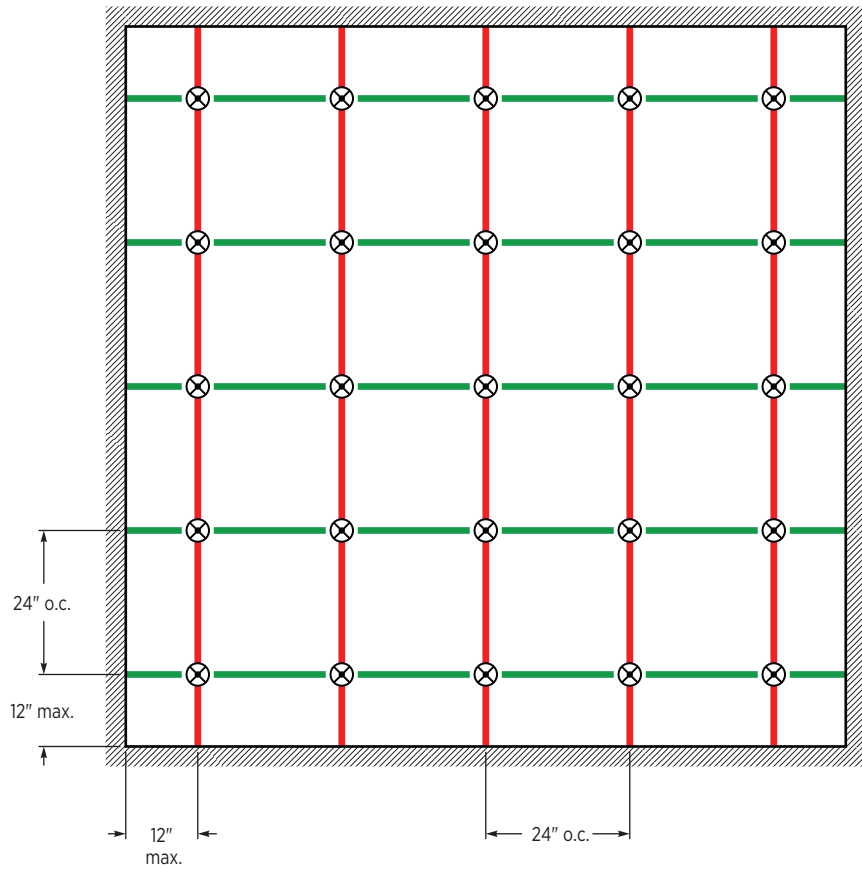
**UL 580**  
**Class 90**

**UL 1897**  
**133 psf**

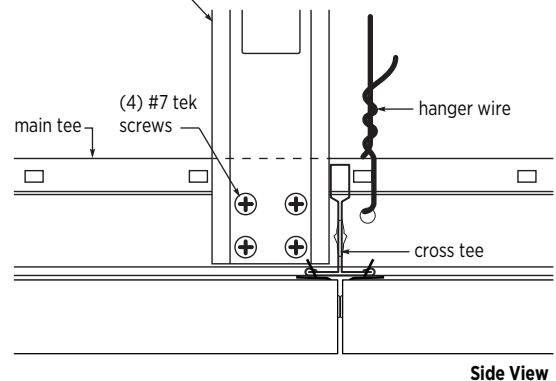
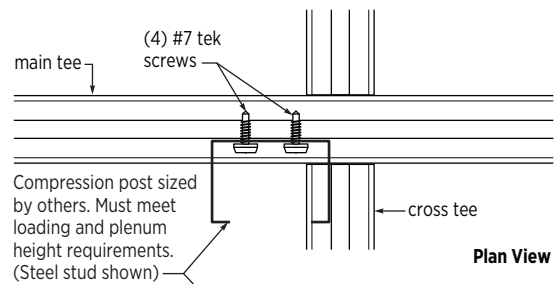
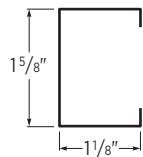
**Miami-Dade NOA No. 16-0404.02**  
**170 mph**

**Main Tees:** 24 in. o.c.  
**Cross Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.  
**Panel Sizes:** 2 ft. x 2 ft. and  
2 ft. x 4 ft.

- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- TSCT22ZX (24 in. Cross Tee)



### COMPRESSION POST DETAILS



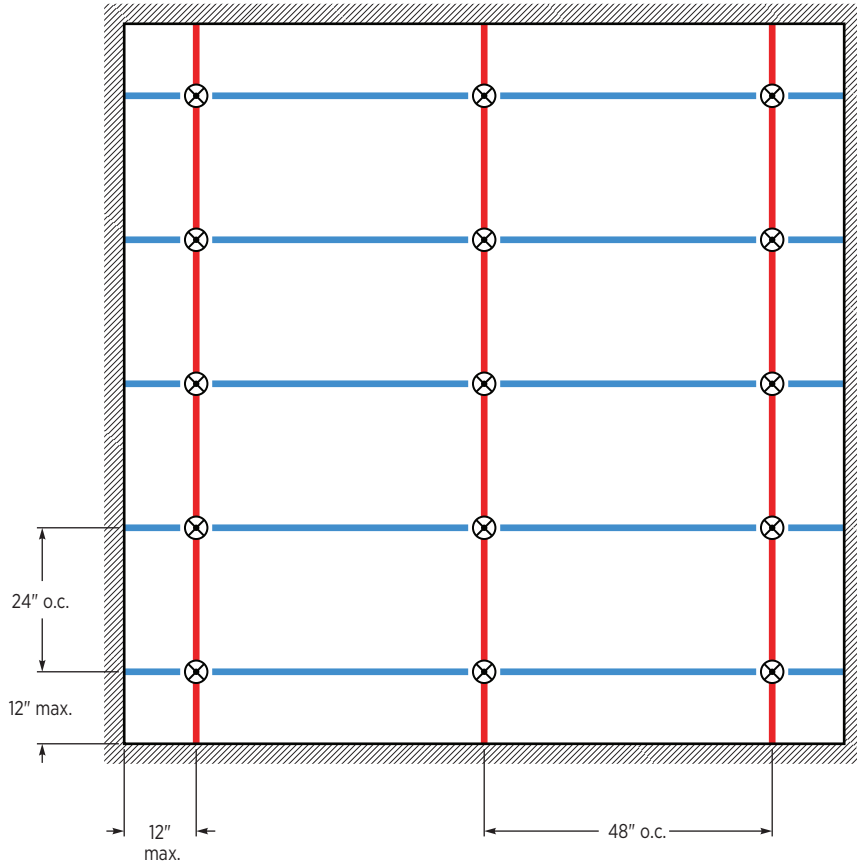
# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ TORSION SPRING

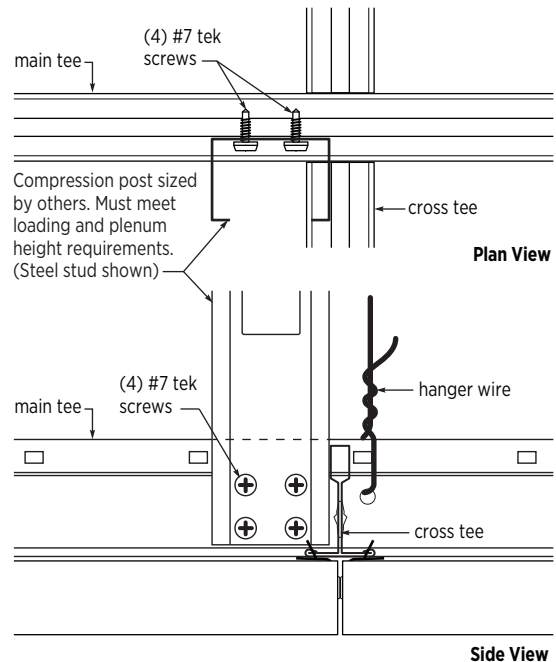
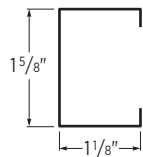
### UL 580 Class 30

**Main Tees:** 48 in. o.c.  
**Cross Tees:** 24 in o.c.  
**Compression Posts:** 48 in. o.c.  
**Panel Sizes:** 2 ft. x 4 ft. and  
 2 ft. x 8 ft.

- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- TSCT44ZXA (48 in. Cross Tee)



### COMPRESSION POST DETAILS



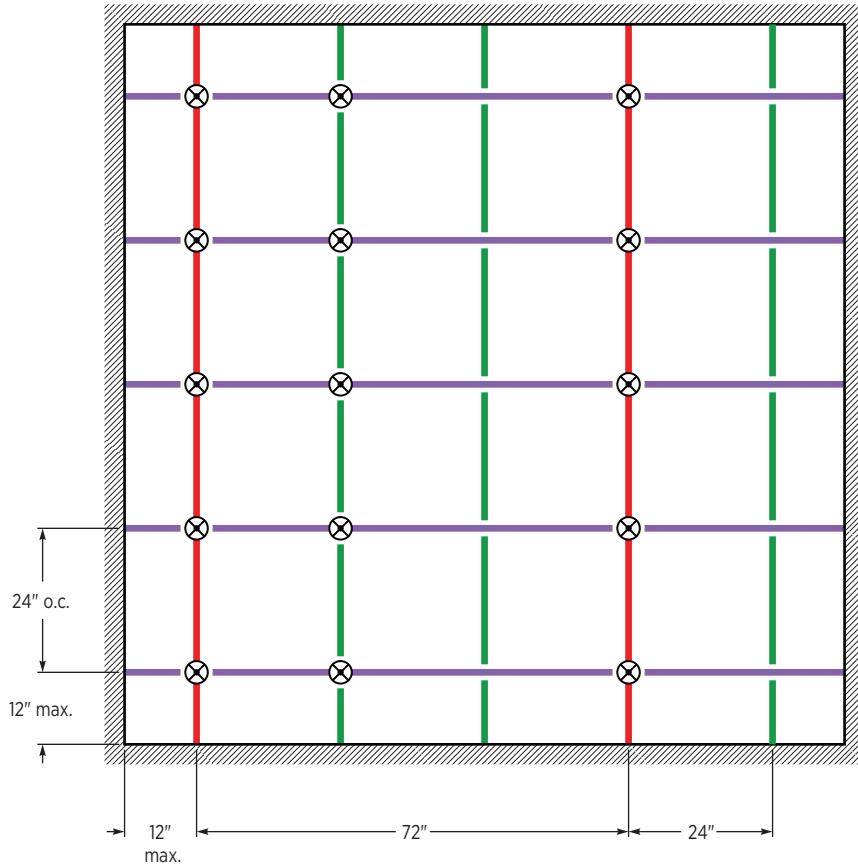
# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ TORSION SPRING

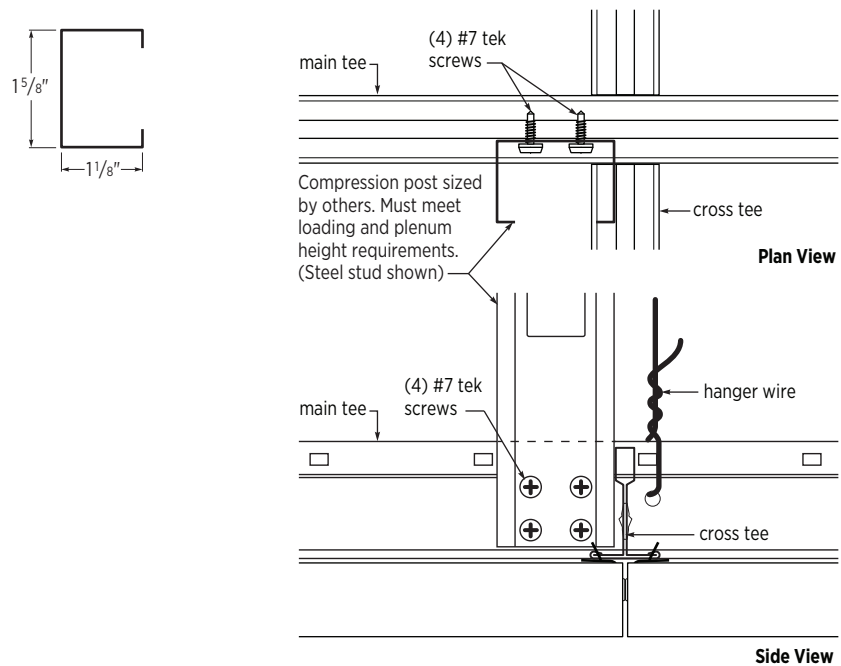
### UL 580 Class 30

**Main Tees:** 72 in. o.c.  
**Cross Tees:** 24 in o.c.  
**Compression Posts:** 24 in. o.c.  
**Panel Size:** 2 ft. x 6 ft.

- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- TSCT66ZX (72 in. Cross Tee)
- ZXLA224 (24 in. Cross Tee)



### COMPRESSION POST DETAILS



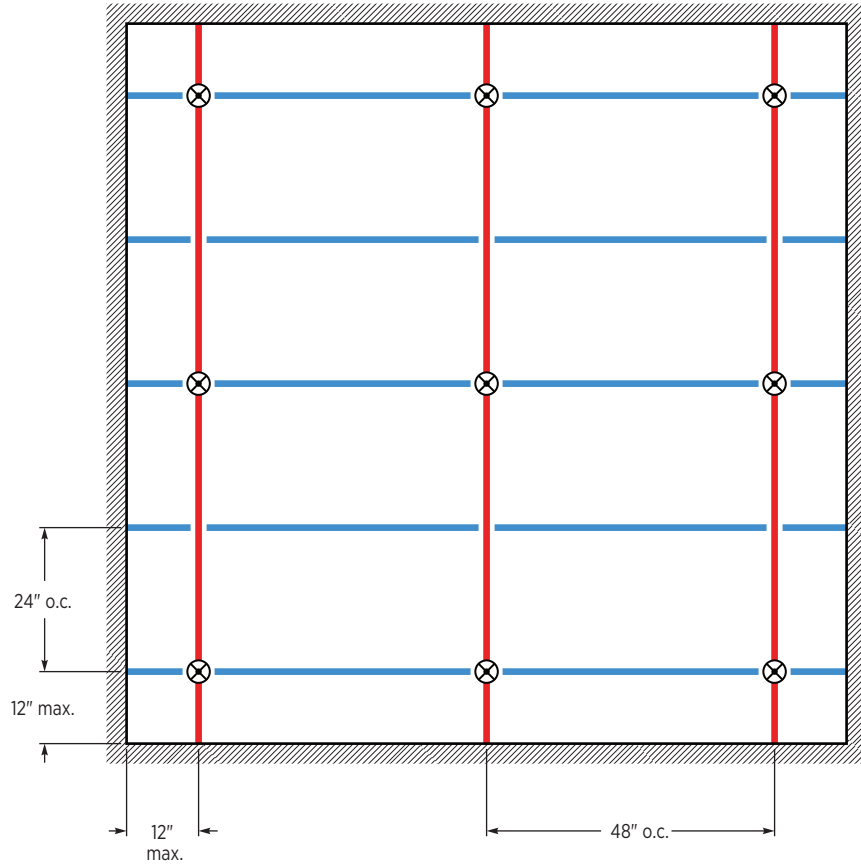
# METAL PANEL CEILING SYSTEMS

## CELEBRATION™ TORSION SPRING

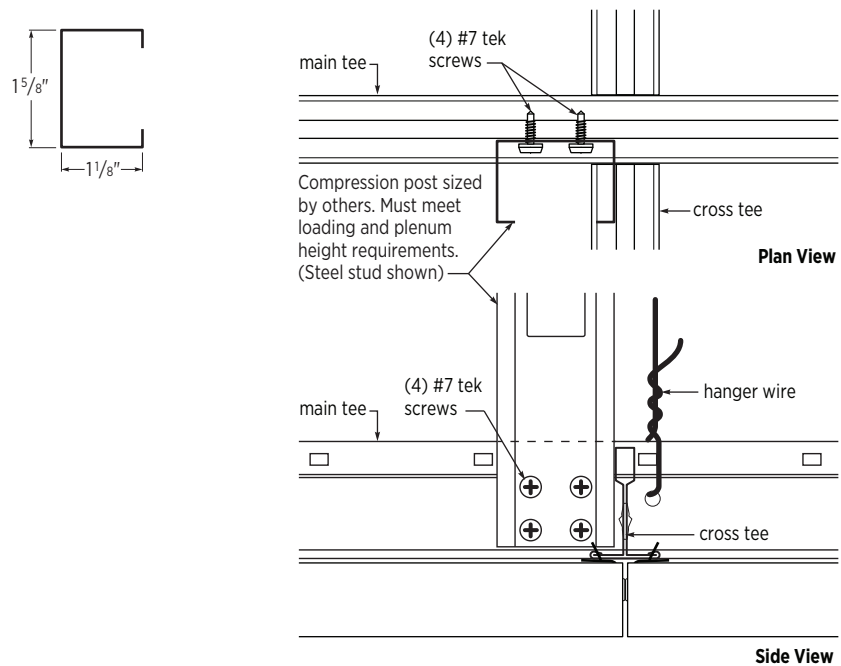
### UL 580 Class 15

**Main Tees:** 48 in. o.c.  
**Cross Tees:** 24 in o.c.  
**Compression Posts:** 48 in. o.c.  
**Panel Size:** 4 ft. x 4 ft.

- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- TSCT44ZX (48 in. Cross Tee)



### COMPRESSION POST DETAILS



# METAL PANEL CEILING SYSTEMS

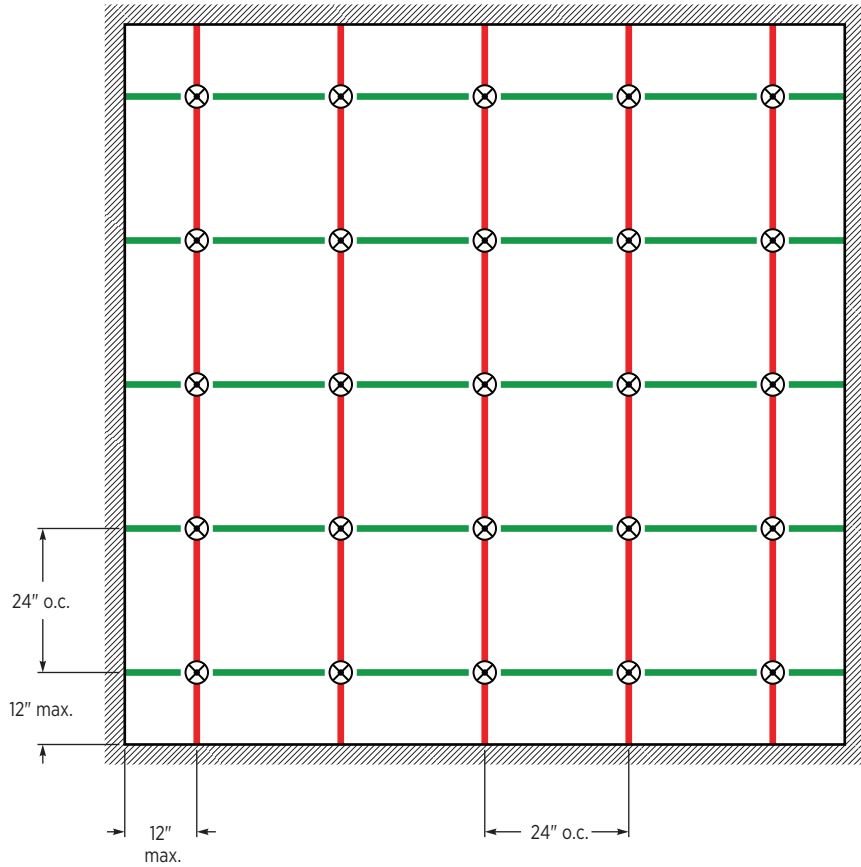
## CELEBRATION™ TORSION SPRING

### UL 1897

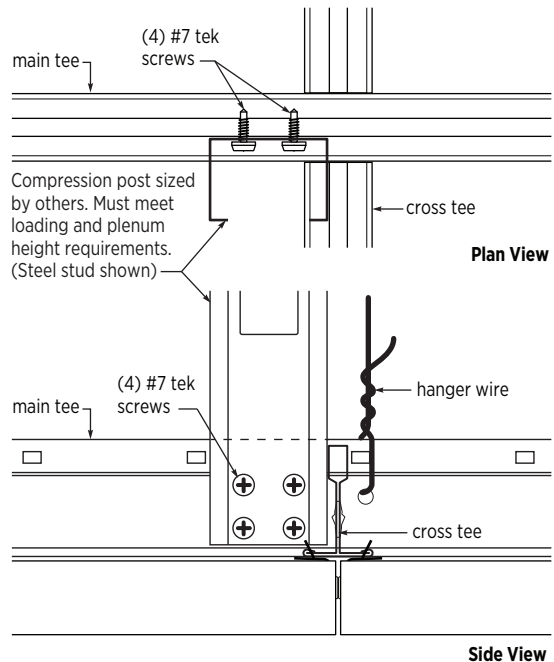
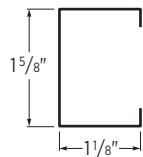
### 13 psf (Downward Load)

**Main Tees:** 24 in. o.c.  
**Cross Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.  
**Panel Size:** 2 ft. x 2 ft.

- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- TSCT22ZX (24 in. Cross Tee)



### COMPRESSION POST DETAILS



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# USG SHEETROCK® BRAND LAY-IN CEILING PANELS (GLIP) ZXLA™

ZXLA™ AND GLIP

## Technical Data

Main Tee	All Acceptable Panel Sizes (Inch)	Main Tee Spacing (Inch)	Cross Tee Spacing (Inch)	Compression Post Spacing (Inch)	Test Standard	Maximum Load Rating (psf)		Equivalent Wind Speed mph (kph)
						Uplift psf (kPa)	Downward psf (kPa)	
ZXLA26	24 x 48	48	24	24	UL 1897 <sup>1</sup>	25 (1.20)	-13 (-0.62)	100 (161)
	24 x 24	48	24	24	UL 1897 <sup>1</sup>	21 (1.01)		90 (145)
	24 x 48	24	48	24	UL 1897 <sup>1</sup>	85 (4.07)	-68 (-3.25)	182 (293)

<sup>1</sup> Factor of safety of 1.17 is included



# USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

## 2 FT. x 2 FT. AND 2 FT. x 4 FT. SYSTEMS

### WIND RESISTANCE

USG ZXLA™ Suspension Systems with USG Sheetrock® Brand Lay-In Ceiling Panels may be used for sheltered exterior applications not directly exposed to the weather. These systems have been tested for wind load resistance. The two units of measure commonly used are miles per hour (mph) and pounds per square foot (psf), equated by methods in ASCE 7, Minimum Design Loads for Buildings and Other Structures, American Society of Civil Engineers/Structural Engineering Institute (ASCE/SEI).<sup>1</sup>

**Limitations:** This system should not be installed where direct exposure to sun or weather will occur, such as fascias or facades. This system is not suitable for areas subject to high concentrations of acid rain. Indirect exposure to severe environmental conditions may shorten the lifespan of the product. The specific design of exterior ceiling installations requires the review and approval of the architect or engineer of record.

### TECHNICAL DATA

- The wind pressure is presented in accordance with applicable test standards.
- Compression posts used for the tests or minimum 1-5/8 in., 20-gauge steel studs (maximum length of 24 in.).  
Refer to Compression Post page 50

### AVAILABLE PANELS

USG Sheetrock® Brand Lay-In Ceiling Panel, Vinyl	Edge	Panel Size	Item No.
	Square	2' x 2' x 1/2"	3260
	Square	2' x 4' x 1/2"	3270

### GUIDELINES

- The building structure from which the USG Sheetrock® Brand Lay-In Ceiling Panel system is suspended and spaced, as well as hanger wire and compression post attachment methods, must be capable of withstanding the loads applied during wind conditions.
- Other materials can be used for compression posts if the compressive strength and attachment method are approved for use by a local structural engineer.
- A minimum of 16d common hold-down nails or similar devices shall be installed at regular intervals to prevent uplift. A minimum of six for each 2 ft. x 4 ft. panel module and a minimum of four for each 2 ft. x 2 ft. panel module are required.
- A minimum of 16d common hold-down nails or similar devices shall be inserted in alternating directions.
- A minimum of 16d common hold-down nails or similar devices may be installed through the hanger wire holes, cross tee clip holes, and through a field-punched hole in the web of the tee.
- The architect's details must cover the design and location of expansion joints and meet all applicable building code requirements.

<sup>1</sup> The system shall comply with local wind load requirements. The engineer of record shall determine the final recommendation for the design wind pressure requirements of each project.



# USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

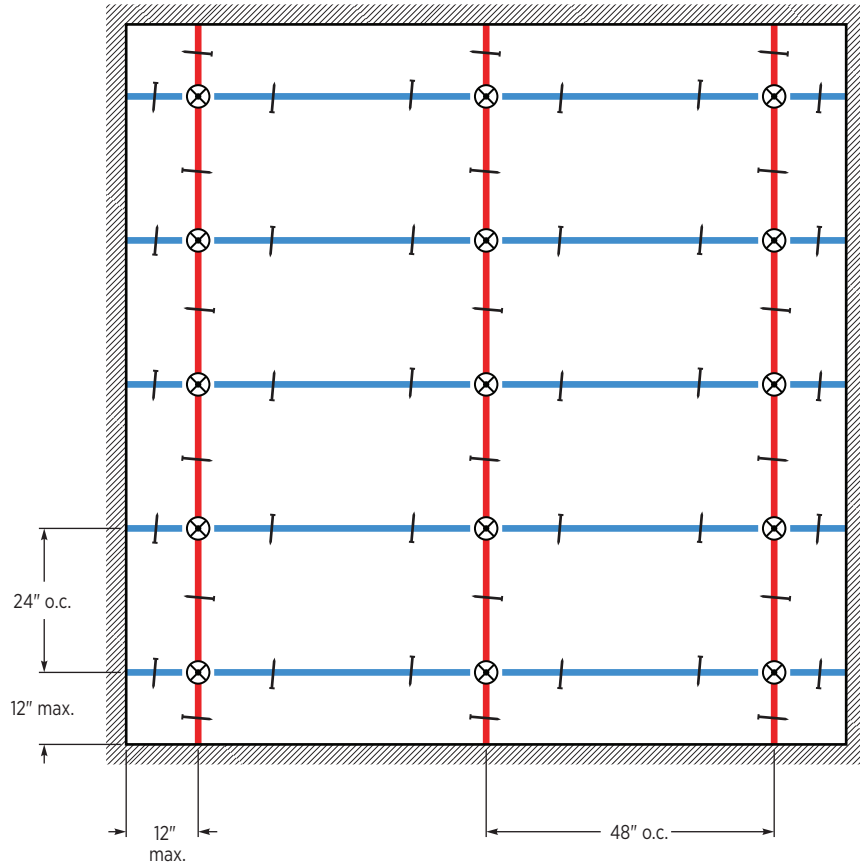
2 FT. x 4 FT. SYSTEMS

UL 1897

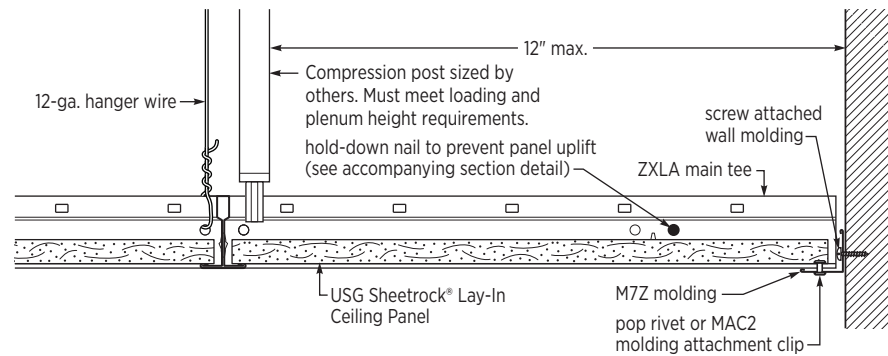
26 psf

**Main Tees:** 48 in. o.c.  
**Cross Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.

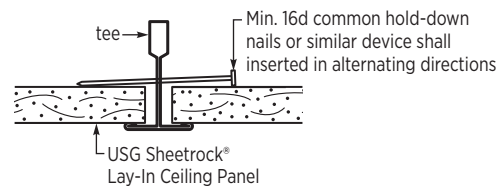
- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- ZXLA424 (48 in. Cross Tee)
- Hold-Down Nail



## PERIMETER CONDITIONS



## HOLD-DOWN NAIL



**Note:** Pop rivets are suitable for exterior use.

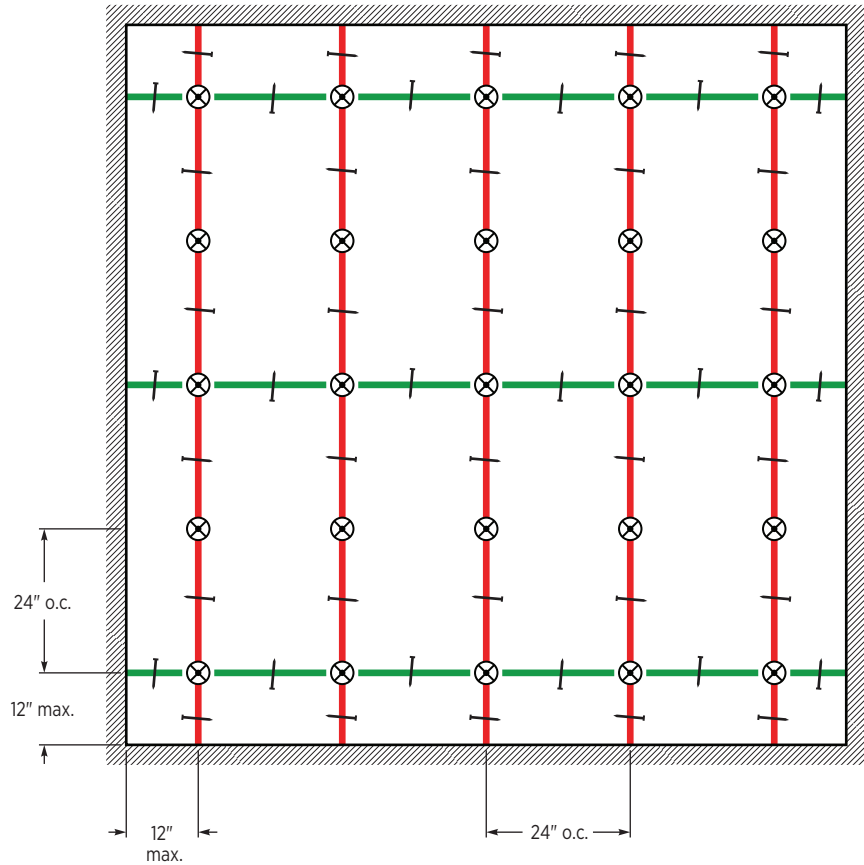
# USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

## 2 FT. x 4 FT. SYSTEMS

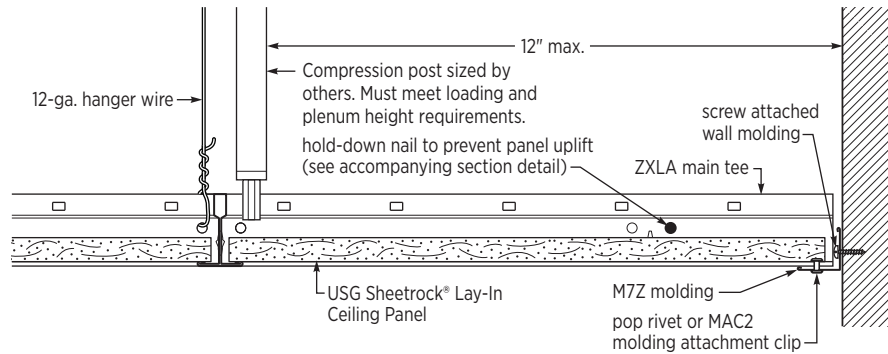
**UL 580**  
**Class 30**

**Main Tees:** 24 in. o.c.  
**Cross Tees:** 48 in. o.c.  
**Compression Posts:** 24 in. o.c.

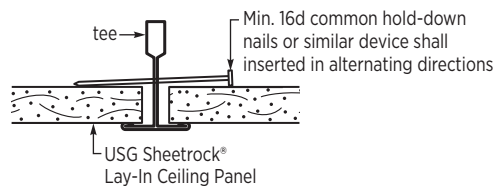
- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- ZXLA224 (24 in. Cross Tee)
- Hold-Down Nail



### PERIMETER CONDITIONS



### HOLD-DOWN NAIL



**Note:** Pop rivets are suitable for exterior use.

# USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

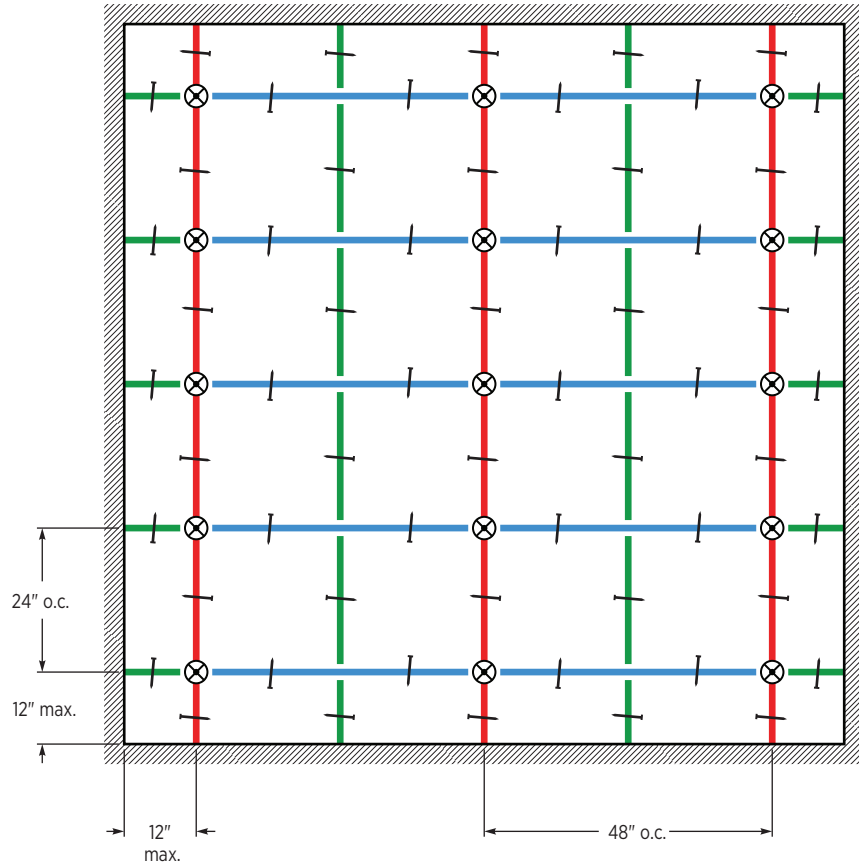
2 FT. x 2 FT. SYSTEMS

UL 1897

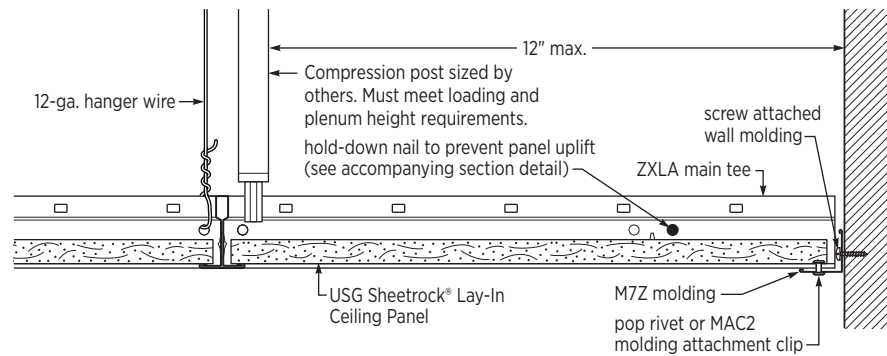
21 psf

**Main Tees:** 48 in. o.c.  
**Cross Tees:** 24 in. o.c.  
**Compression Posts:** 24 in. o.c.

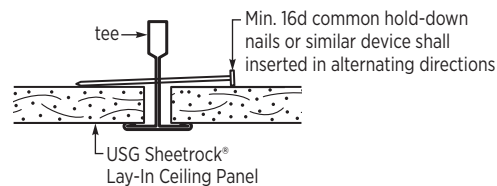
- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- ZXLA424 (48 in. Cross Tee)
- ZXLA224 (24 in. Cross Tee)
- Hold-Down Nail



## PERIMETER CONDITIONS



## HOLD-DOWN NAIL



**Note:** Pop rivets are suitable for exterior use.

# USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

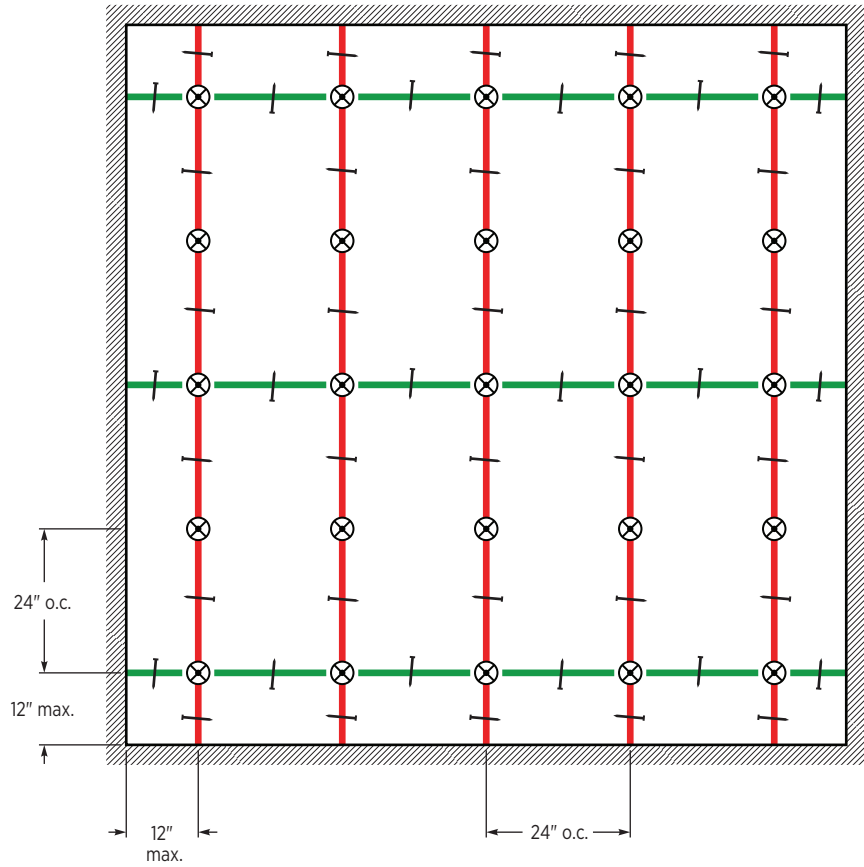
2 FT. x 4 FT. SYSTEMS

UL 1897

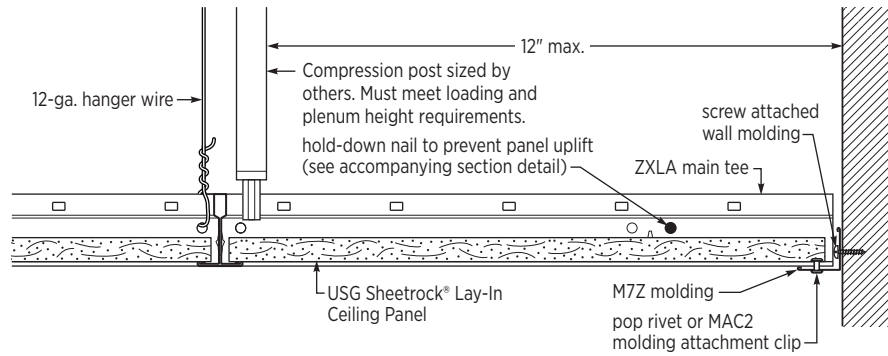
85 psf

**Main Tees:** 24 in. o.c.  
**Cross Tees:** 48 in o.c.  
**Compression Posts:** 24 in. o.c.

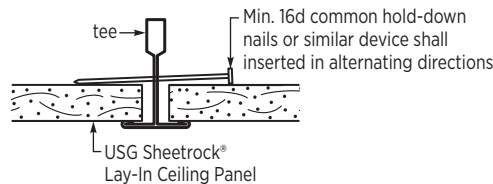
- ⊗ Hanger & Compression Post
- ZXLA26 (Heavy Duty Main Tee)
- ZXLA224 (24 in. Cross Tee)
- Hold-Down Nail



## PERIMETER CONDITIONS



## HOLD-DOWN NAIL



**Note:** Pop rivets are suitable for exterior use.

# USG DRYWALL SUSPENSION SYSTEM

## DGLW26E

DRYWALL AND DWSS

### Technical Data

Main Tee	All Acceptable Panel Sizes (Inch)	Main Tee Spacing (Inch)	Cross Tee Spacing (Inch)	Compression Post Spacing (Inch)	Test Standard	Maximum Load Rating (psf)		Equivalent Wind Speed mph (kph)
						Uplift psf (kPa)	Downward psf (kPa)	
DGLW26E	See note 4 below	24	16	24	Miami Dade NOA TAS 202 & 203 <sup>5</sup>	75 (3.59)	-75 (-3.59)	171 (275)
	1 layer of 5/8"	48	24	24	UL 580 <sup>2</sup>	15 (0.72)		77 (124)
	1 layer of 1/2"	48	16	30	UL 580 <sup>2</sup>	15 (0.72)		77 (124)
	1 layer of 5/8"	48	24	30	UL 580 <sup>2</sup>	15 (0.72)		77 (124)
	1 layer of 5/8"	24	24	30	UL 580 <sup>2</sup>	30 (1.44)		108 (174)
	2 layers of 5/8"	24	24	42	UL 580 <sup>2</sup>	60 (2.87)		153 (246)
	2 layers of 5/8"	24	24	30	UL 580 <sup>2</sup>	90 (4.31)		188 (302)
	3/8" plywood and 5/8" drywall	24	16	24	UL 580 <sup>2</sup>	90 (4.31)		188 (302)

<sup>1</sup> Factor of safety of 1.17 is included

<sup>2</sup> Factor of safety of 1.5 for 30 psf; 1.3 for 60 psf; 1.17 for 90 psf is included per test standard

<sup>3</sup> Factor of safety of 1.5 is included per test standard

<sup>4</sup> Min 1/2" Securock® Glass Mat sheathing or  
Min 1/2" Securock® Ultra Light Glass Mat Sheathing or  
Min 1/2" ExoAir 430



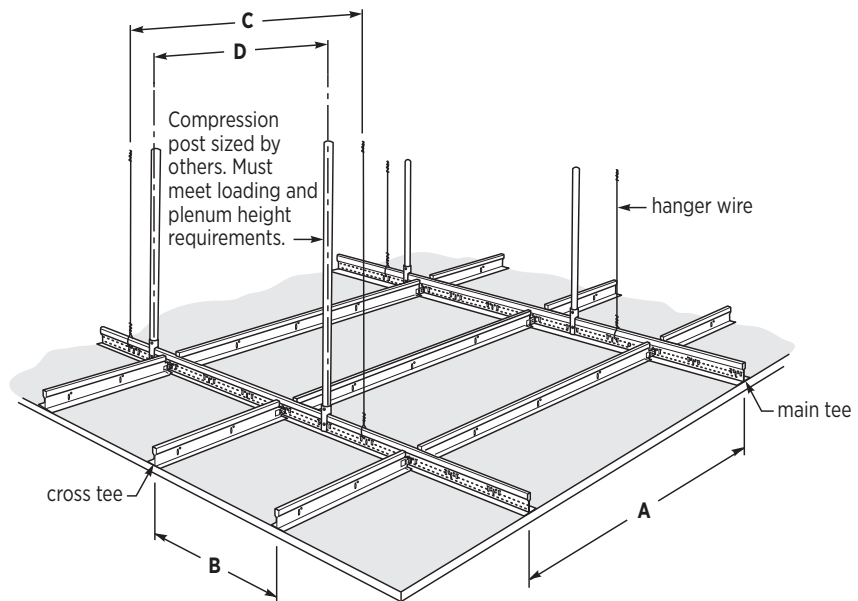
# USG DRYWALL SUSPENSION SYSTEM

## WIND RESISTANCE FOR EXTERIOR SOFFITS

The USG Drywall Suspension System may be used for protected exterior applications not directly exposed to weather. The system has been tested using applicable industry standards for wind resistance when installed in exterior soffits and canopies. For more information regarding test standards and online resources, please refer to the Systems Overview section of this guide.

Only USG Securock® Brand Glass-Mat Sheathing is suitable for exterior applications. Refer to Securock® data sheet and installation instructions for more information.

## WIND RESISTANCE FOR EXTERIOR SOFFITS



# OTHER CONSIDERATIONS

**Finishes**

**Compression Posts**

**Seismic Perimeter Applications**



# FINISHES

## Selector

USG offers a wide selection of colors and finishes suitable for linear metal and metal panels in exterior applications. Available in painted, anodized, and wood-tone finishes.

**Painted:** Flat White, Silver Satin

**Anodized:** Satin Chrome

**Wood Tone:** Beech, Dark Bamboo, Dark Cherry, Light Bamboo, Light Cherry, Maple, Red Oak, Walnut

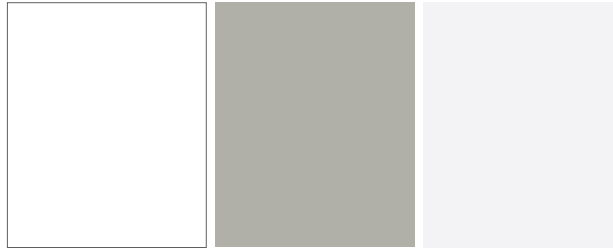
Additional finish options may be available to meet specific project requirements or coating specifications. Contact your USG representative for more information.

### PAINTED METALS

**Flat White**  
050

**Silver Satin**  
002

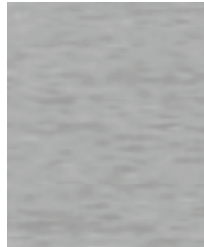
**Blanco Mat**  
4182  
(Celebration Snap-In &  
Celebration Torsion Spring)



### ANODIZED METALS

Paraline® II not available  
in Satin Chrome (PM614)  
(2' x 2' panels)

**Satin Chrome**  
PM614



**TIMBRE™**  
(Paraline® Plus and  
Celebration™ Snap-In)

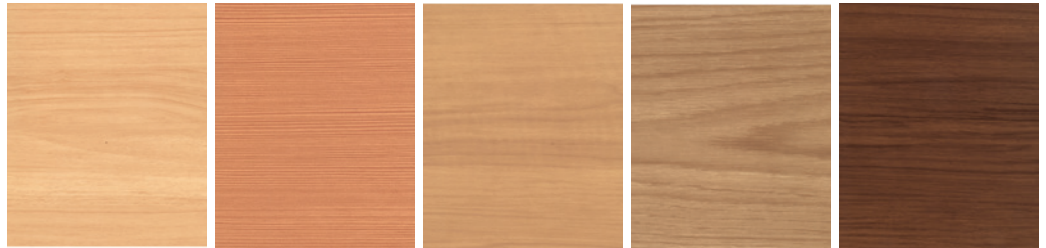
**Maple**  
4010

**VG Fir**  
4011

**Red Birch**  
4012

**Golden Glow Oak**  
4198

**Walnut**  
4014

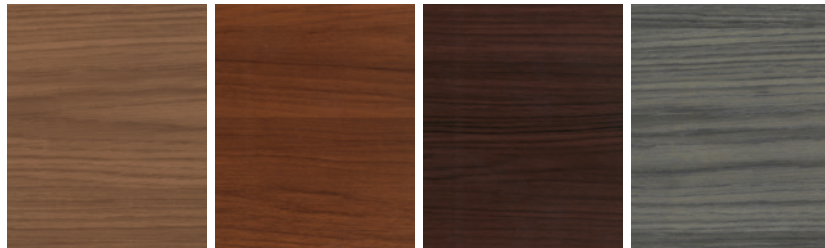


**Roasted Chestnut**  
4197

**Cherry**  
4013

**Mahogany**  
4015

**Driftwood**  
4199





# FINISHES

## Selector

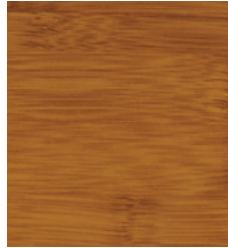
### WOOD TONES

Paraline II & 11" Paraline Plus not available in Wood Tones

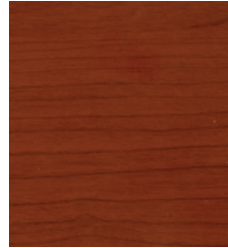
**Beech 3810**



**Dark Bamboo 3808**



**Dark Cherry 3811**



**Light Bamboo 3809**



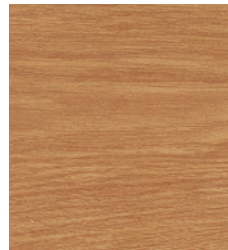
**Light Cherry 3812**



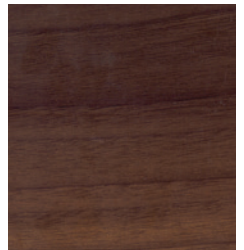
**Maple 3813**



**Red Oak 3814**




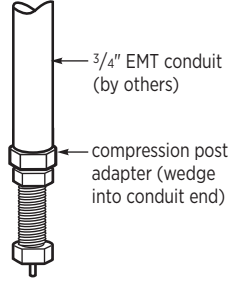
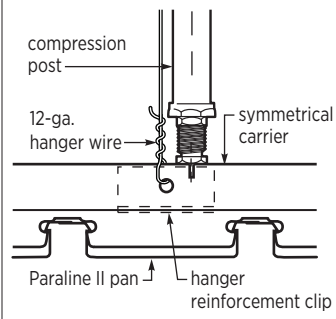
**Walnut 3815**



# COMPRESSION POSTS

## PARALINE® II COMPRESSION POSTS

EMT conduit is best used with USG Paraline® II. USG Paraline® II adapter is inserted into EMT conduit and into symmetrical carrier.

Paraline® II Compression Post Adapter	Paraline® II Compression Post Adapter in Conduit	Paraline® II Compression Post Application
	 <p>3/4" EMT conduit (by others)</p> <p>compression post adapter (wedge into conduit end)</p>	 <p>compression post</p> <p>12-ga. hanger wire</p> <p>symmetrical carrier</p> <p>Paraline II pan</p> <p>hanger reinforcement clip</p>

<sup>1</sup> When used with symmetrical carriers, compression post adapters must be purchased. The end plug of the compression post is removed and replaced with the adapter prior to installation. The Paraline® II compression post adapter is not included with the compression post and must be purchased separately.

## STEEL FRAMING COMPRESSION STRUTS

Steel members with sufficient strength are allowed by code and may be suitable for use as a compression post. Below are some common, light-gauge steel members provided by others that are typically used as compression posts.

Uplift Class / Maximum Pressure	Maximum Length (in.)	Compression Post
Class 15 & Class 30 / 30 psf	96	Min. 1-5/8 in. — 20-ga. stud
		Min. 1-5/8 in. — 20-ga. track
Class 60 / 60 psf	48	Min. 1-5/8 in. — 20-ga. stud
		Min. 1-5/8 in. — 20-ga. track
	96	Min. 2-1/2 in. — 20-ga. stud back to back
		Min. 2-1/2 in. — 20-ga. stud back to back
Class 90 / 150 psf	48	Min. 1-5/8 in. — 20-ga. stud
		Min. 1-5/8 in. — 20-ga. track
	96	Min. 2-1/2 in. — 20-ga. stud back to back
		Min. 2-1/2 in. — 20-ga. stud back to back

### Notes

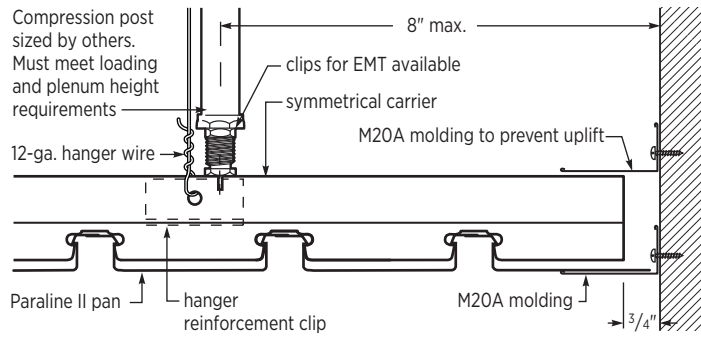
- The information provided is for quick reference only. Other restrictions and exemptions may apply.
- All struts and allowable lengths should be verified by a design professional before use.
- A structural engineer should be consulted for lengths greater than 8 ft.
- Larger posts can be used; however, the compression post properties listed above shall be considered minimums.
- The compression post must be attached to the grid member with at least four #8 screws.
- The compression post attachment to the structure shall be determined by the engineer of record.

# SEISMIC PERIMETER APPLICATIONS

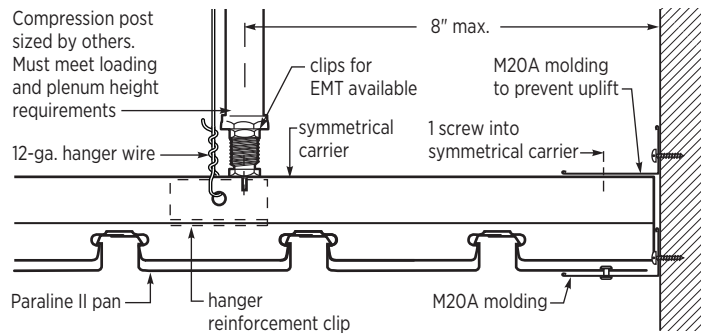
## PARALINE® II

### PERIMETER CONDITIONS<sup>1</sup>

#### Floating



#### Fixed



**Note:** A 3/4 in. gap is shown for typical seismic design categories D-F. Seismic design category C projects shall be constructed to satisfy seismic design category D-F, as illustrated.

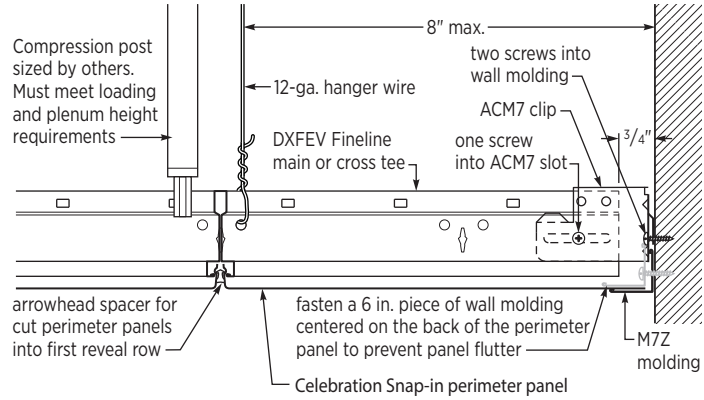
<sup>1</sup> Other seismic detailing in the field of the system may be required. Typically, wind load bracing requirements are more stringent than seismic requirements; however, there may be some exceptions. Please contact your representative or visit [usg.com](http://usg.com) for more information.

# SEISMIC PERIMETER APPLICATIONS

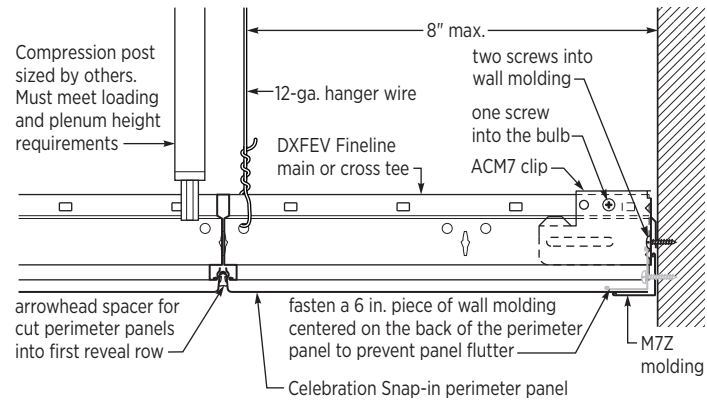
## CELEBRATION™ SNAP-IN

### PERIMETER CONDITIONS<sup>1</sup>

#### Floating



#### Fixed



**Note:** A 3/4 in. gap is shown for typical seismic design categories D-F. Seismic design category C projects shall be constructed to satisfy seismic design category D-F, as illustrated.

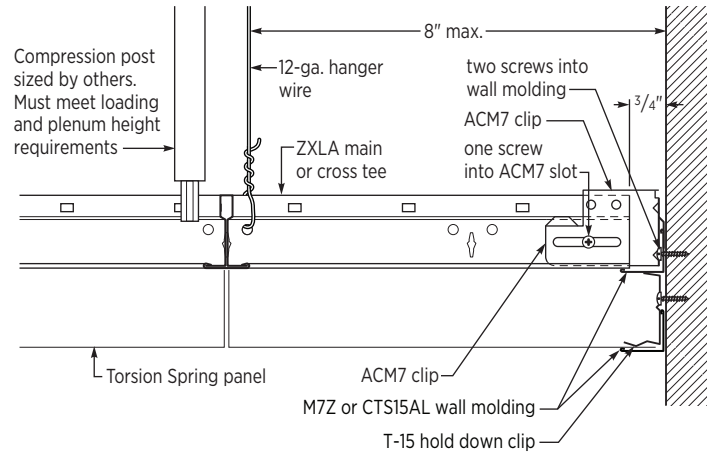
<sup>1</sup> Other seismic detailing in the field of the system may be required. Typically, wind load bracing requirements are more stringent than seismic requirements; however, there may be some exceptions. Please contact your representative or visit [usg.com](http://usg.com) for more information.

# SEISMIC PERIMETER APPLICATIONS

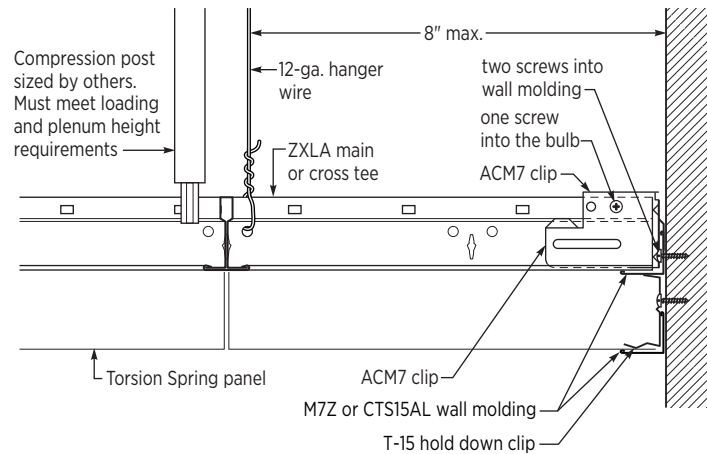
## CELEBRATION™ TORSION SPRING

### PERIMETER CONDITIONS<sup>1</sup>

#### Floating



#### Fixed



**Note:** A 3/4 in. gap is shown for typical seismic design categories D-F. Seismic design category C projects shall be constructed to satisfy seismic design category D-F, as illustrated.

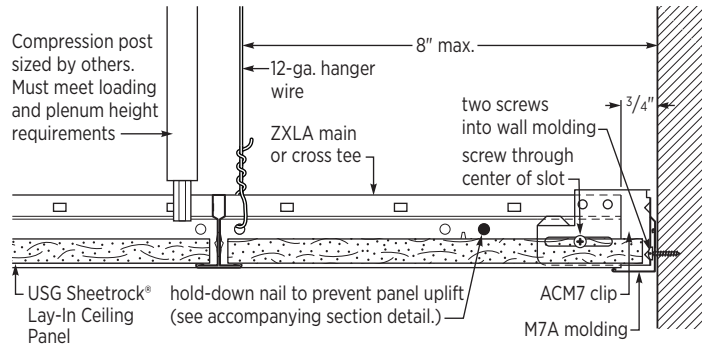
<sup>1</sup> Other seismic detailing in the field of the system may be required. Typically, wind load bracing requirements are more stringent than seismic requirements; however, there may be some exceptions. Please contact your representative or visit [usg.com](http://usg.com) for more information.

# SEISMIC PERIMETER APPLICATIONS

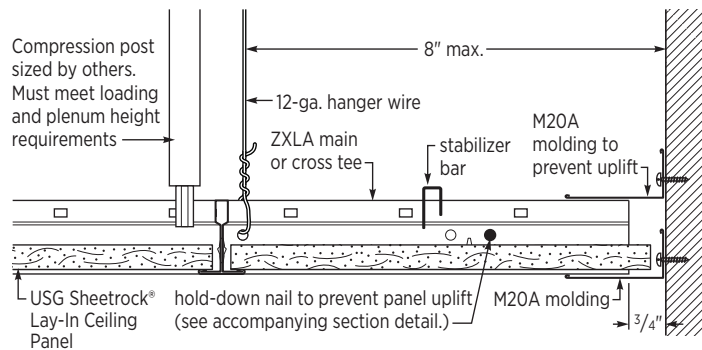
## USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

### FLOATING PERIMETER TREATMENT OPTIONS

#### ACM7 Seismic Clip

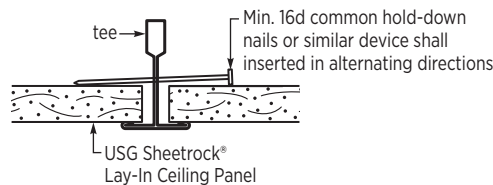


#### 2 in. Wall Molding



**Note:** A 3/4 in. gap is shown for typical seismic design categories D-F. Seismic design category C projects shall be constructed to satisfy seismic design category D-F, as illustrated.

#### HOLD-DOWN NAIL



**Note:** Min. 16d common hold-down nails or similar devices shall be inserted in alternating directions.

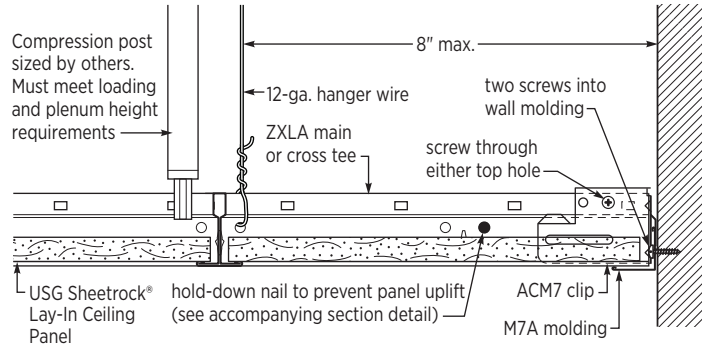
<sup>1</sup> Other seismic detailing in the field of the system may be required. Typically, wind load bracing requirements are more stringent than seismic requirements; however, there may be some exceptions. Please contact your representative or visit [usg.com](http://usg.com) for more information.

# SEISMIC PERIMETER APPLICATIONS

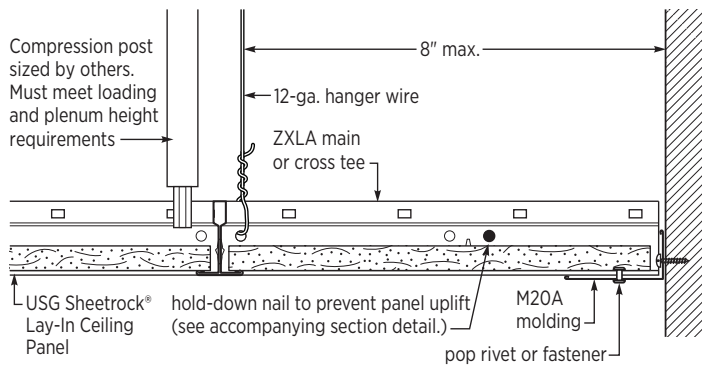
## USG SHEETROCK® BRAND LAY-IN PANEL (GLIP) WITH ZXLA™

### FIXED PERIMETER TREATMENT OPTIONS

#### ACM7 Seismic Clip

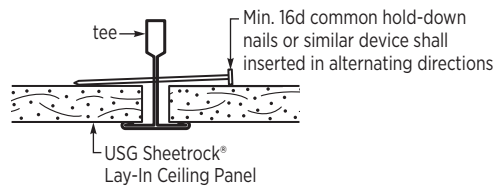


#### 2 in. Wall Molding



**Note:** A 3/4 in. gap is shown for typical seismic design categories D-F. Seismic design category C projects shall be constructed to satisfy seismic design category D-F, as illustrated.

#### HOLD-DOWN NAIL



**Note:** Min. 16d common hold-down nails or similar devices shall be inserted in alternating directions.

<sup>1</sup> Other seismic detailing in the field of the system may be required. Typically, wind load bracing requirements are more stringent than seismic requirements; however, there may be some exceptions. Please contact your representative or visit [usg.com](http://usg.com) for more information.

## WEBSITES

[usg.com](http://usg.com)

[cgcinc.com](http://cgcinc.com)

[usgdesignstudio.com](http://usgdesignstudio.com)

[cgcdesignstudio.com](http://cgcdesignstudio.com)

## PRODUCT INFORMATION

DXFEV Data Sheet AC3304. Celebration Torsion Spring Exterior Accessories IC642. Exterior Ceilings Installation Guide SC3212. See [usg.com](http://usg.com) for the most up-to-date product information.

## INSTALLATION

Must be installed in compliance with ASTM C636, ASTM E580, CISCA, and standard industry practices. Refer to Exterior Ceilings Installation Guide SC3212.

## CODE COMPLIANCE

The information presented is correct to the best of our knowledge at the date of issuance. Because codes continue to evolve, check with a local official prior to designing and installing a ceiling system. Other restrictions and exemptions may apply. This is only intended as a quick reference.

## PROGRESSIVE ENGINEERING INC. EVALUATION REPORT COMPLIANCE

Wind load tested and listed in PEI Evaluation Report PER-12055 and PEI Evaluation Report PER-14077.

## PURPOSE

This technical guide is intended as a resource for design professionals, to promote more uniform criteria for plan review and jobsite inspection of projects. This technical guide indicates an acceptable method for achieving compliance with applicable codes and regulations, although other methods proposed by design professionals may be considered and adopted. The renderings and details provided are for illustrative purposes only and are not a substitute for certified architectural and engineering drawings.

## ICC EVALUATION SERVICE, INC., REPORT COMPLIANCE

Suspension systems manufactured by USG Interiors, LLC, have been reviewed and are approved by listing in ICC-ES Evaluation Report 1222. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to [usgdesignstudio.com](http://usgdesignstudio.com) or [usg.com](http://usg.com) for current reports.

## L.A. RESEARCH REPORT COMPLIANCE

Donn brand suspension systems manufactured by USG Interiors, LLC, have been reviewed and are approved by listing in the following L.A. Research Report number: 25764.

## NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered. Trademarks

## SAFETY FIRST!

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

### Notice

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Manufactured by  
USG Interiors, LLC  
550 West Adams Street  
Chicago, IL 60661

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