

USG
Ceiling
Solutions

USG PARALINE™ BAFFLES

LINEAR METAL CEILING
SYSTEM

INSTALLATION GUIDE



IT'S YOUR WORLD. BUILD IT.®

USG PARALINE™ BAFFLES

LINEAR METAL CEILING SYSTEM

USG Paraline Baffles is a flexible and customizable linear metal system that can achieve numerous design aesthetics and is supported for a variety of installation requirements. It is integrated with an array of components and accessories to meet visual design and installation needs.

INTRODUCTION

2 System Overview

INSTRUCTIONS

- 2 Warranty
- 2 Installation Requirements
- 2 Cleaning Instructions
- 3 Components
- 7 Assembly Details
- 9 System Assembly Instructions
- 10 Standard & Curvatura Grid Installation
- 12 Independently Suspended Installation

SELECTION

15 Product Identification System

FOR MORE INFORMATION

Technical Service
800 USG.4YOU (874-4968)

Web Site
usg.com or cgcinc.com

SYSTEM OVERVIEW

WARRANTY

The USG Paraline Baffles system has been tested based on the installation procedures described in this document. Failure to follow these installation instructions and guidelines will result in the voidance of the USG Ceilings Commercial Application Warranty (SC2102).

INSTALLATION REQUIREMENTS

The Paraline Baffles system requires minimum plenum clearance above the system installation. Following the recommended installation instructions and guidelines, installation does not require the components enter the plenum space more than a typical suspended ceiling installation.

CLEANING INSTRUCTIONS

Cleaning

Wipe baffles with a clean, soft cloth to remove dust. For more difficult residue, wash panels with a mild soap or detergent (see Compatible Cleaners below) and lukewarm water, using a clean sponge or soft cloth. Rinse well with clean water. Dry thoroughly with a chamois or moist cellulose sponge to prevent water spots. Do not scrub or use brushes.

To remove fresh paint splashed, grease or smeared glazing compounds, rub panels lightly with VM&P naphtha or isopropyl alcohol. Wash with warm water and a mild soap or detergent solutions. Rinse well with clean water. Dry thoroughly with a chamois or moist cellulose sponge to prevent water spots. Do not scrub or use brushes.

Important: Use care when cleaning perforated baffles with acoustical backer laminated to the back surface. This backer must not be immersed in or saturated with water.

Compatible Cleaners

Harsh solvents such as methyl ethyl ketone (MEK) or muriatic acid can cause surface degradation and crazing. Use only the following mild cleaning agents:

- Joy® dishwashing detergent
- Palmolive® dishwashing liquid
- Windex® glass cleaner

Follow the manufacturer's instructions and recommendations when using these products.

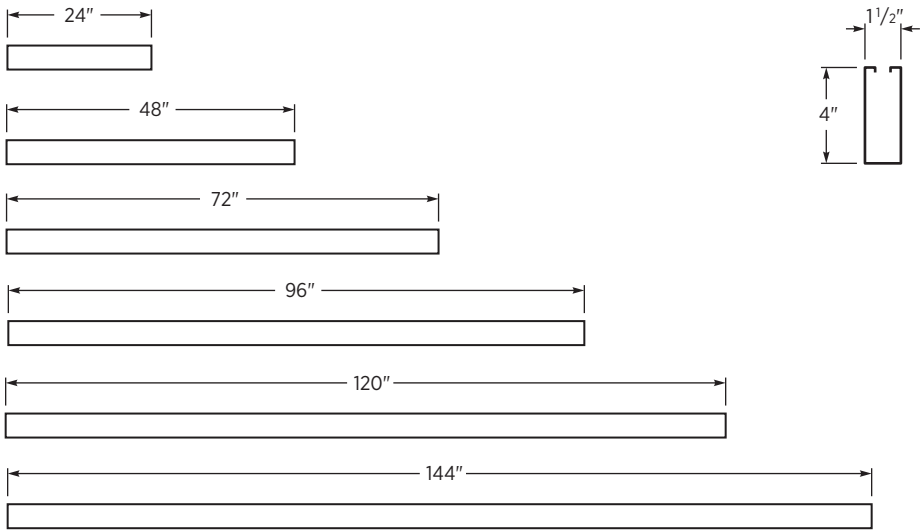
Limitations

Do not use abrasive or highly alkaline cleaners.
Do not scrape panels with squeegees, razor blades or other sharp instruments.
Do not use benzene, gasoline, acetone, carbon tetrachloride or butyl cellosolve.

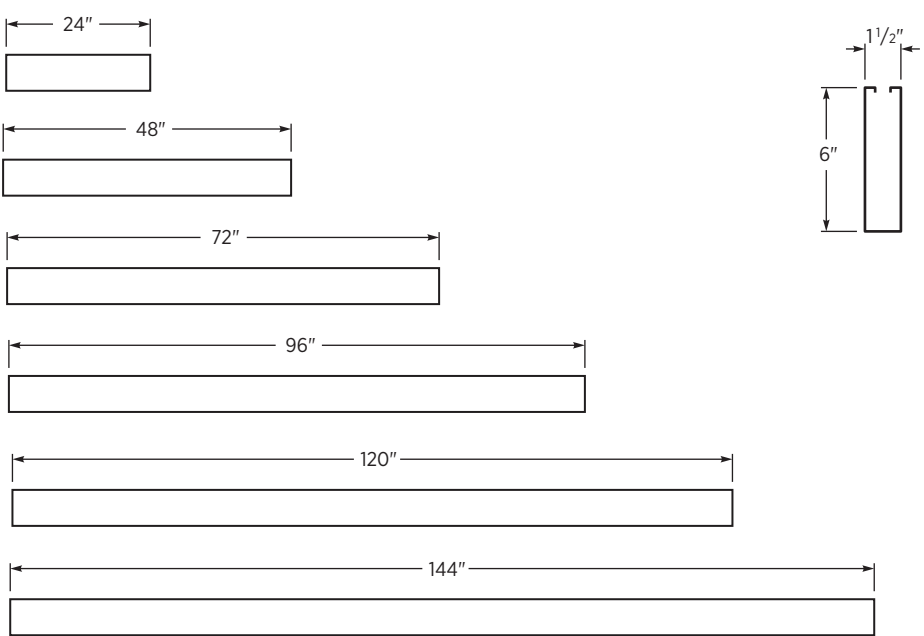
BAFFLE SIZES

COMPONENTS

4 in. Profile

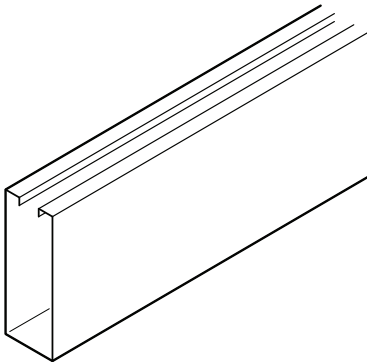


6 in. Profile

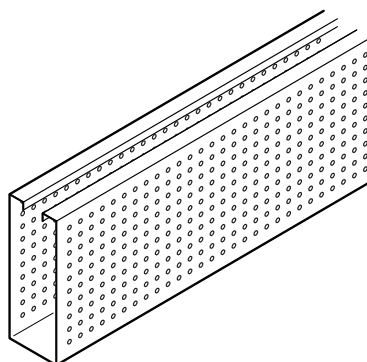


DETAILS

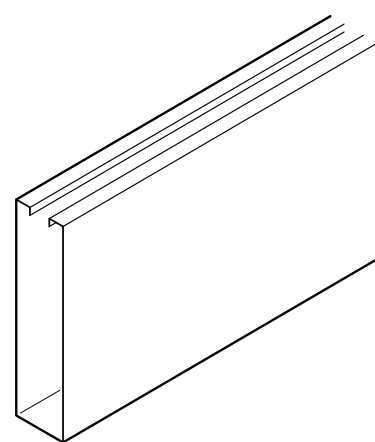
4 in. Baffle, Unperforated



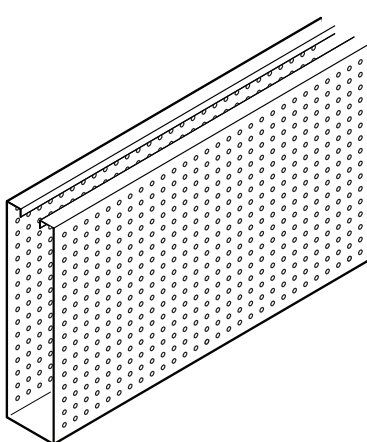
4 in. Baffle, Perforated



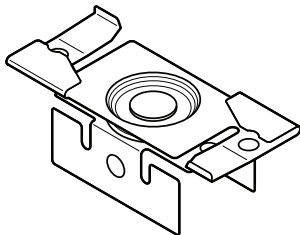
6 in. Baffle, Unperforated



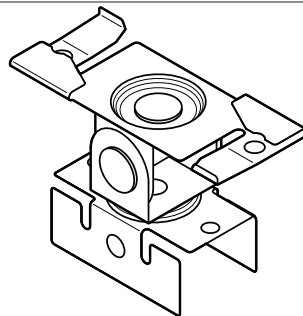
6 in. Baffle, Perforated



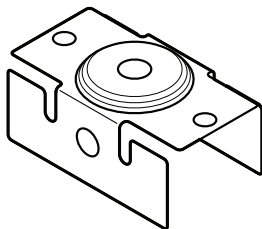
Grid Attachment Clip



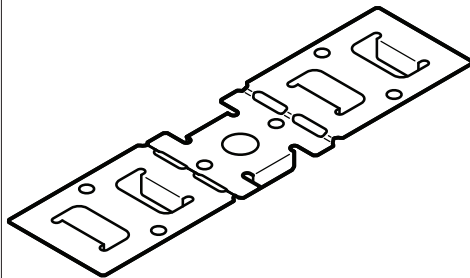
Curvatura Attachment Clip



Free Attachment Clip



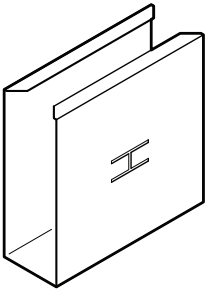
Joining Clip



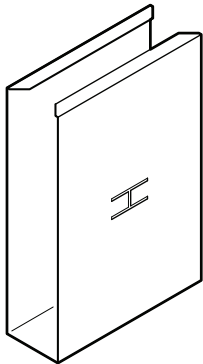
COMPONENTS

DETAILS

4 in. Splice



6 in. Splice



4 in. End Plug

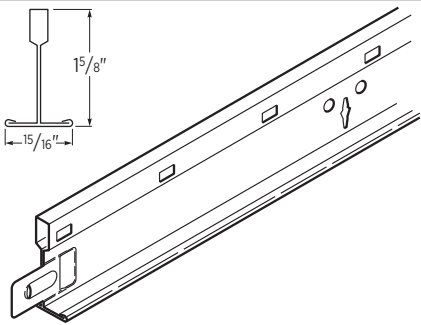


6 in. End Plug

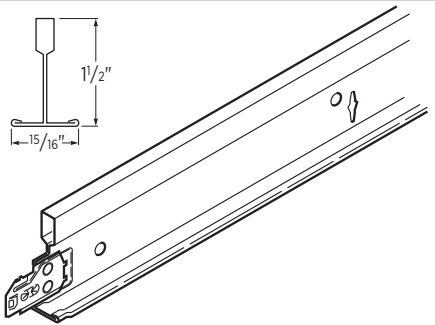


SUSPENSION SYSTEM

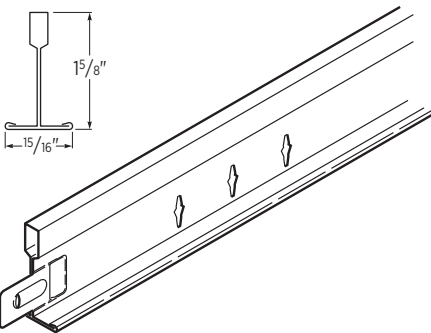
DX Main Tee



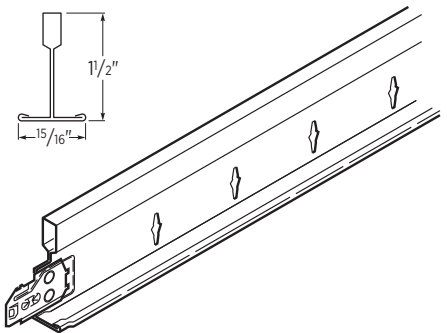
DX Cross Tee



Gridware Main Tee



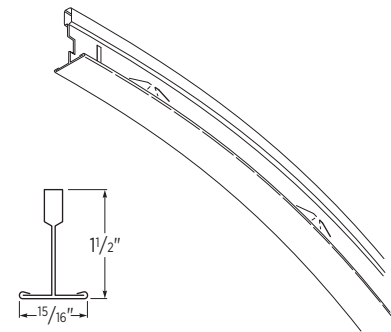
Gridware Cross Tee



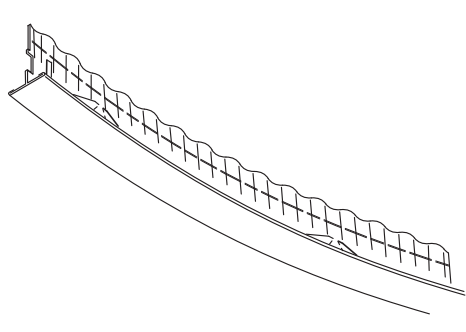
SUSPENSION SYSTEM

DETAILS

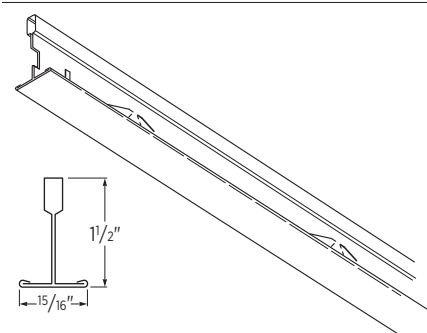
Curvatura Vault Main Tee



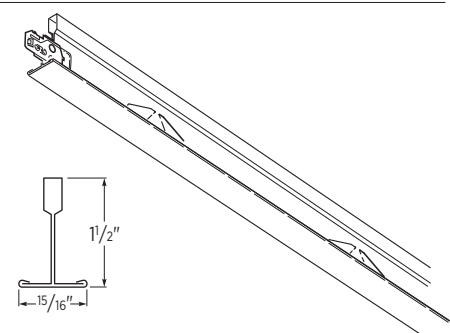
Curvatura Valley Main Tee



Curvatura Straight Main Tee

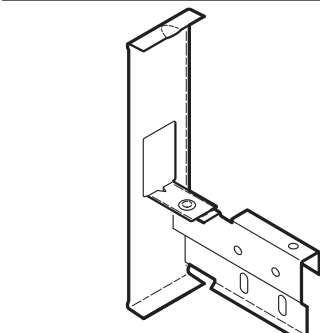


Curvatura Cross Tee

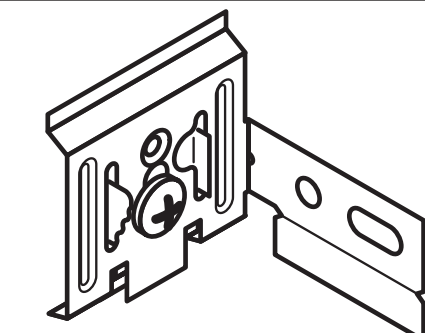


PERIMETER

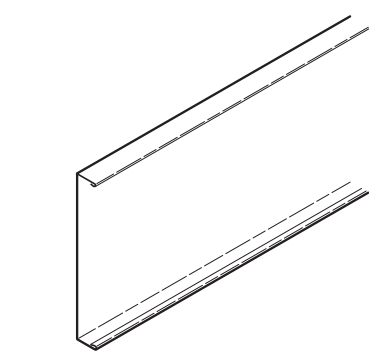
Compasso Standard Trim Clip



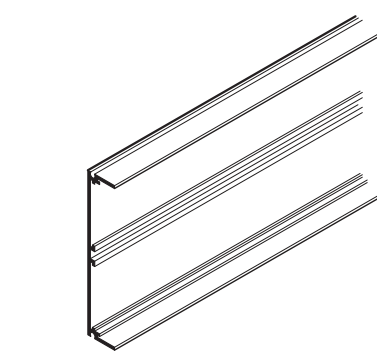
Compasso Elite Trim Clip



Compasso Standard Trim



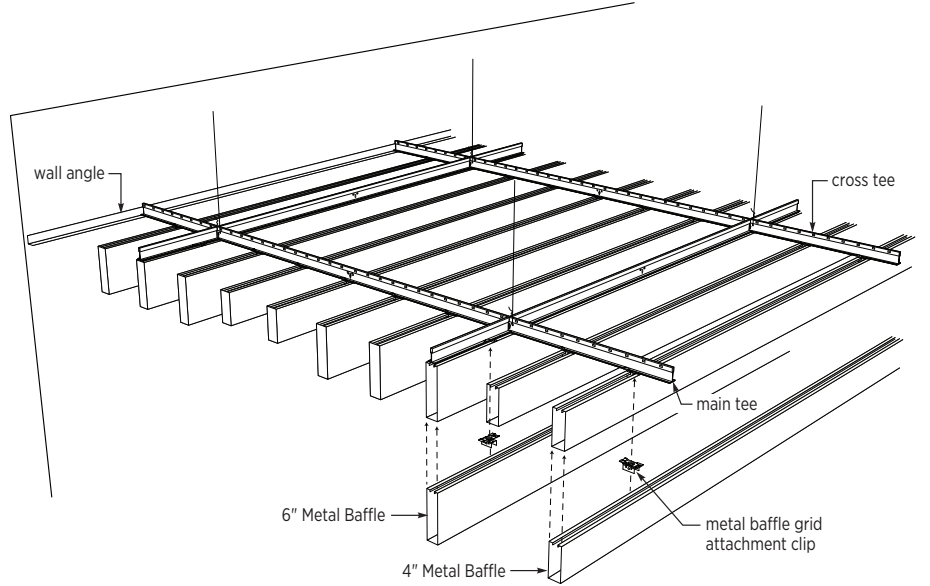
Compasso Elite Trim



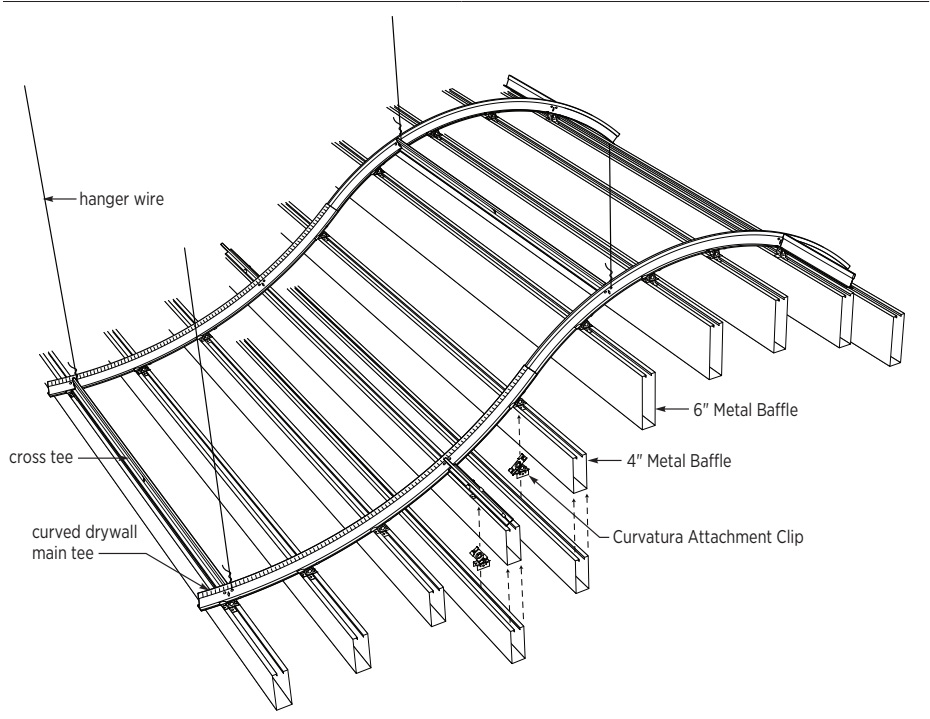
DETAILS

ASSEMBLY

Flat Grid Assembly



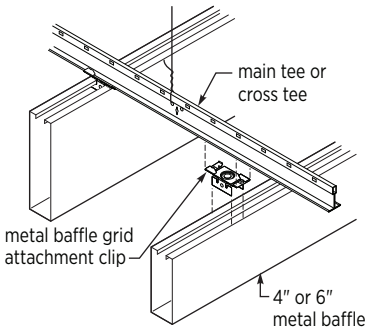
Curvatura Grid Assembly



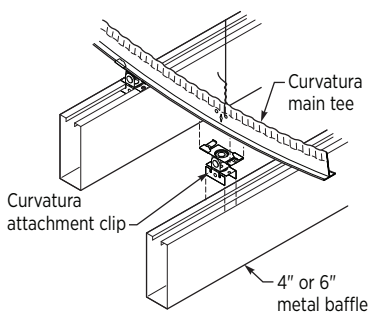
ASSEMBLY

DETAILS

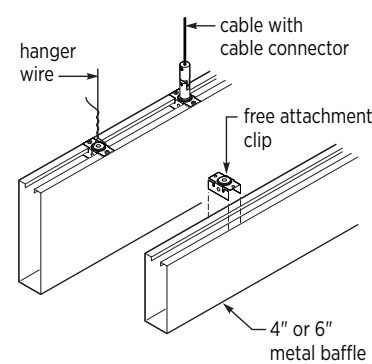
Grid Attachment Clip Assembly



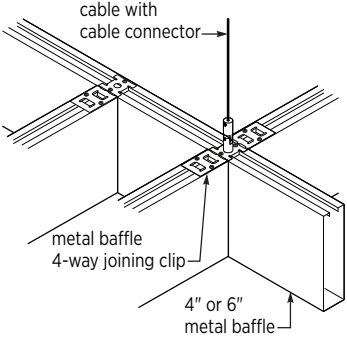
Curvatura Attachment Clip Assembly



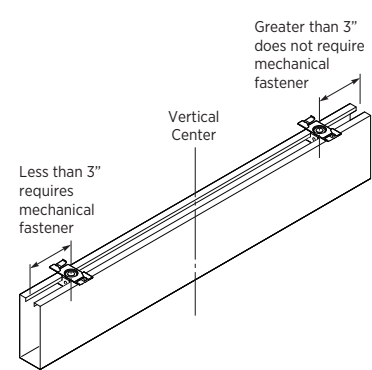
Free Attachment Clip Assembly



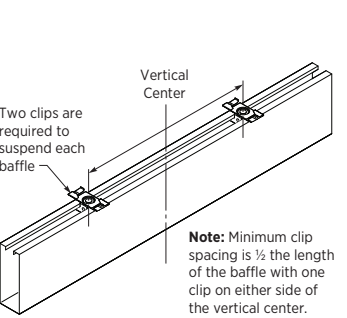
Joining Clip Assembly



Clip Placement Detail - Requirements



Clip Placement Detail - End Location



ASSEMBLY

GENERAL BAFFLE & CLIP ASSEMBLY

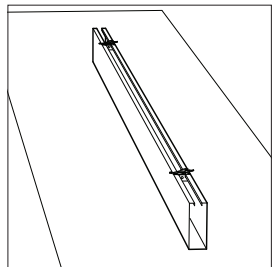
Assemble Baffle and Clips

Paraline Baffles are attached to the various grid systems using specific attachment clips. Safety gloves are recommended when handling the clips.

Generally, installation is simplest when a baffle is assembled on the ground and then attached to the grid system as a completed assembly.

A grid attachment clip should be slid into the open baffle end and then placed in the approximate location of the assembled grid structure.

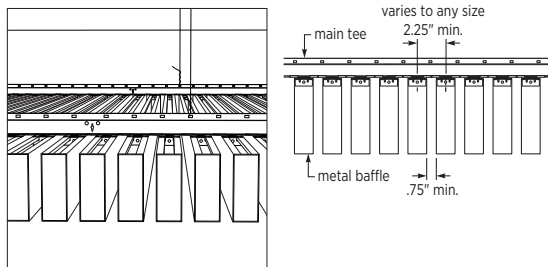
Note: A minimum of two clips are required to suspend each individual baffle from the grid system. Clips should be installed on the opposing sides of the baffle vertical center as noted in the Clip Placement Detail - End Location and secured, as needed, as noted in Clip Placement Detail - Requirements.



LAYOUT SPACING

Minimum centerline spacing.

A minimum centerline spacing of approximately 2.25 in. applies to all baffle assemblies. This results in a spacing between adjacent baffles sides of approximately 0.75 in.



STANDARD & CURVATURA GRID INSTALLATION

STEP 1

Grid system installation.

Refer to the project documents and the USG Acoustical System Installation Guide (WL576) or USG Curvatura 2x2 Ceiling System Installation Guide (IC461) for the installation of the grid suspension system.

Install the ceiling as per WL576/IC461, ensuring that all recommendations for installation are followed and the finished ceiling is square and level.

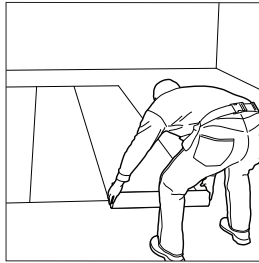
Note: the grid system attachment point is X in. above the finished baffle face for 6 in. Paraline Baffles and X in. above the finished baffle face for 4 in. Paraline Baffles.

STEP 2

Locate the panel layout per any architectural drawings.

STEP 3

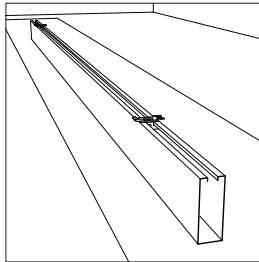
Protect the floor with a suitable tarp of construction paper, as needed.



STEP 4

Assemble the baffles.

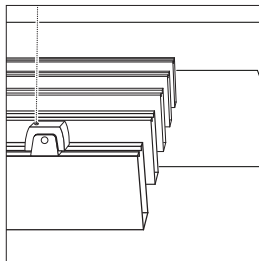
Assemble the baffles on the floor per the assembly instructions and the panel layout.



STEP 5

Determine baffle attachment points.

Determine and plumb up the baffle attachment points to the installed grid structure.



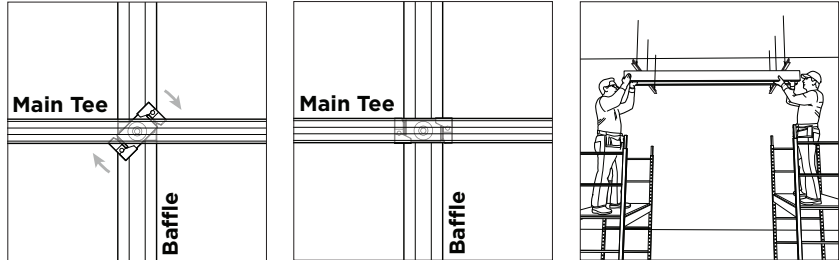
STANDARD & CURVATURA GRID INSTALLATION

STEP 6

Attach the baffle to grid.

Rotate clip such that required grid member runs through diagonal openings.

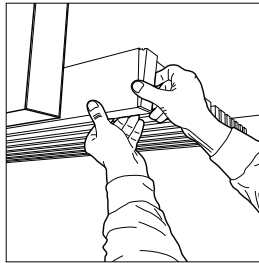
Press clip to grid member and rotate until all four tabs of the clip securely snap into place over the grid flange. Repeat with remaining clips until the entire baffle assembly is supported by the grid structure.



STEP 7

Insert end plugs.

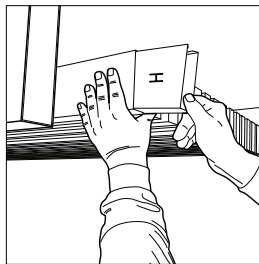
Where required, insert the baffle end plug into the baffle end opening and press in until the end plug is flush with the baffle end.



STEP 8

Insert splices.

Where required, insert the baffle splice into the baffle end opening and press in until approximately 3 in. of the baffle splice is inserted into the suspended baffle and approximately 3 in. of the splice protrudes for installation into the subsequently installed baffle.

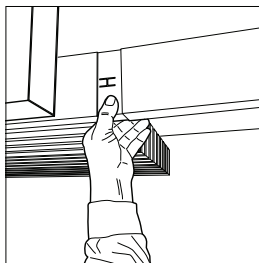


STEP 9

Install subsequent baffles.

Install the subsequent baffle onto the grid system, following Step 6. Press the new baffle onto the protruding splice until baffles sit flush together.

Note: baffles with spliced connections are not independently accessible. To create independent access areas, install baffles without splices or with end caps on both baffle ends.



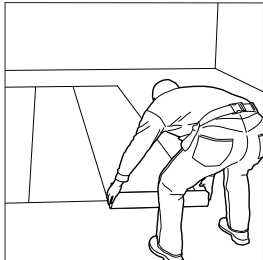
INDEPENDENTLY SUSPENDED SYSTEM INSTALLATION

STEP 1

Locate the panel layout per any architectural drawings.

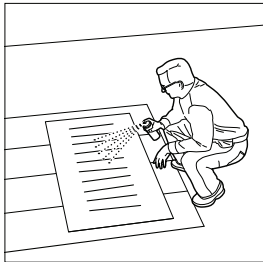
STEP 2

Protect the floor with a suitable tarp of construction paper, as needed.



STEP 3

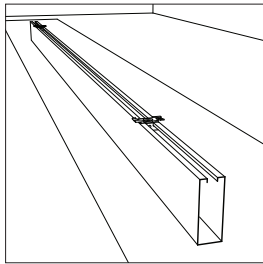
Black out hanger wire if desired.



STEP 4

Assemble the baffles.

Assemble the baffles on the floor per the assembly instructions and the panel layout.



STEP 5

Determine finished ceiling height.

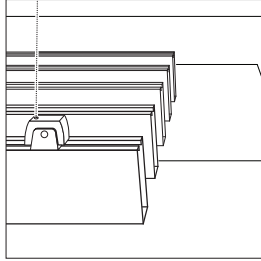
Note: the hanger attachment point is X in. above the baffle face for 4 in. baffles and X in. above the baffle face for 6 in. baffles.

INDEPENDENTLY SUSPENDED SYSTEM INSTALLATION

STEP 6

Determine baffle attachment points.

Determine and plumb up the baffle attachment points to the ceiling deck.



STEP 7

Install suspension wire or cables to attachment points, as appropriate.

STEP 8

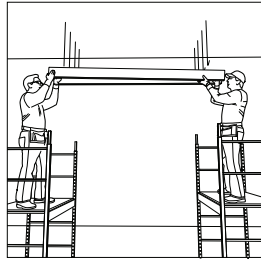
Locate baffle height and bend hangers.

STEP 10

Install baffles.

Rotate clip such that required grid member runs through diagonal openings.

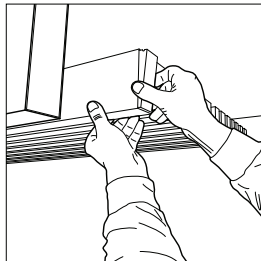
Press clip to grid member and rotate until all four tabs of the clip securely snap into place over the grid flange. Repeat with remaining clips until the entire baffle assembly is supported by the grid structure.



STEP 11

Insert end plugs.

Where required, insert the baffle end plug into the baffle end opening and press in until the end plug is flush with the baffle end.

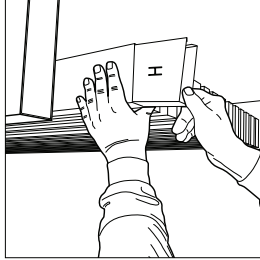


STANDARD GRID INSTALLATION

STEP 12

Insert splices.

Where required, insert the baffle splice into the baffle end opening and press in until approximately 3 in. of the baffle splice is inserted into the suspended baffle and approximately 3 in. of the splice protrudes for installation into the subsequently installed baffle.

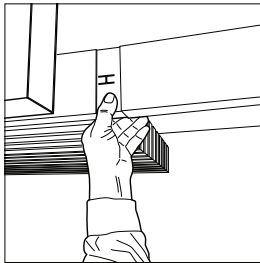


STEP 13

Install subsequent baffles.

Install the subsequent baffle onto the grid system, following Step 6. Press the new baffle onto the protruding splice until baffles sit flush together.

Note: baffles with spliced connections are not independently accessible. To create independent access areas, install baffles without splices or with end caps on both baffle ends.



PRODUCT IDENTIFICATION

PRODUCT IDENTIFICATION SYSTEM

USG has a descriptive nomenclature for identifying Paraline Baffles

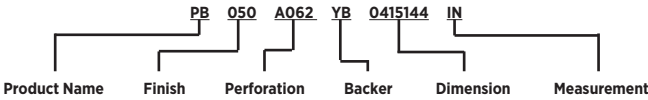
Coding for this system consists of the following six components

Attribute	Classification	Example A	Example B
Product Name	PB (Paraline Baffles)	PB	PB
Finish	Color Code	050	3708
Perforation	No or Perforation Code	A062	N
Backer	No or Yes with Color (Black or White)	YB	N
Dimension	H x W x L (given in inches or millimeters)	0415144	061572
Measurement	Inches or Millimeters	IN	IN

EXAMPLE A

PB050A062YB0415144IN

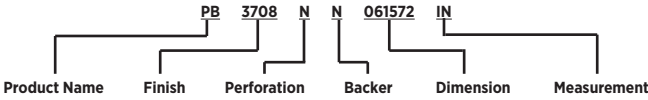
A 4 in. x 1.5 in. x 144 in. Paraline Baffle in Flat White with A062 perforation and black Acoustibond backer



EXAMPLE B

PB3708NN061572IN

A 6 in. x 1.5 in. x 72 in. Paraline Baffle in Matte White with no perforations or backer



Notice Regarding Availability: Most Paraline Baffle configurations are readily available in all markets, but there can be exceptions. Consult your local sales representative for details and questions about custom configurations.

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

CUSTOMER SERVICE

USG 800 950-3839

CGC 800 387-2690

TECHNICAL SERVICE

800 USG.4YOU (874-4968)

WEBSITES

usg.com

cgcinc.com

usgdesignstudio.com

cgcdesignstudio.com

PRODUCT INFORMATION

Data Page: IC700

System Guide: IC701

Field Cutting Instructions: IC718

See usg.com or cgcinc.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, within all applicable code requirements. Alternative assemblies and installation methods may be utilized when approved by the authority having jurisdiction. USG recommends checking with the authority having jurisdiction prior to designing and installing a suspended ceiling system.

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.

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.

COLOR VARIATIONS

Some commercially acceptable color variation may occur between lots and between different size canopies of the same color.

SEISMIC APPLICATIONS

Refer to *Seismic Technical Guide, Specialty Decorative Ceilings (SC2494)* for more information on architectural components.

SAFETY FIRST!

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

WARRANTY

One (1) year limited warranty. See *USG Ceilings Commercial Application Warranty (SC2102)* for additional details. For Canadian product needs, please contact your local sales representative.

IC702/5-18

© 2017 USG Corporation and/or its affiliates. All rights reserved.

The trademarks USG, ACOUSTIBOND CELEBRATION, COMPASSO, CURVATURA, DONN, DX, GEOMETRIX, PANZ, PARALINE, ZOLA, IT'S YOUR WORLD. BUILD IT., the USG logo, the design elements and colors, and related marks are trademarks of USG Corporation or its affiliates.

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.